

# **University of California**

## **Report on Financial Statements and Expenditures of Federal Awards in Accordance with the Uniform Guidance**

### **For the Year Ended June 30, 2023**

<u>Location</u>	<u>EIN - Campus</u>	<u>EIN - Medical Center(s)</u>
Office of the President	94-3067788	
Berkeley	94-6002123	
Davis	94-6036494	68-0334324 68-0344702
Irvine	95-2226406	
Los Angeles	95-6006143	95-4373071
Merced	27-0093858	
Riverside	95-6006142	
San Diego	95-6006144	33-0599494 23-7064656 80-0519972 82-4454688 26-0622624 33-0702174 33-0571597 20-5892682 27-4440873
San Francisco	94-6036493	94-3281657
Santa Barbara	95-6006145	
Santa Cruz	94-1539563	
Children's Hospital & Research Center at Oakland		94-0382330

# **University of California**

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**June 30, 2023**

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## Report of Independent Auditors

To The Regents of the University of California

### Report on the Audit of the Financial Statements

#### ***Opinions***

We have audited the accompanying financial statements of the business-type activities, the aggregate discretely presented component units, and the aggregate remaining fund information of the University of California (the “University”), a component unit of the State of California, as of and for the years ended June 30, 2023 and 2022, including the related notes, which collectively comprise the University’s basic financial statements as listed in the table of contents.

In our opinion, the accompanying financial statements present fairly, in all material respects, the respective financial position of the business-type activities, the aggregate discretely presented component units, and the aggregate remaining fund information of the University as of June 30, 2023 and 2022, and the respective changes in financial position and, where applicable, cash flows thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.

#### ***Basis for Opinions***

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (US GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the Auditors’ Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the University and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions. The financial statements of the University’s discretely presented component units were not audited in accordance with *Government Auditing Standards*.

#### ***Responsibilities of Management for the Financial Statements***

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the University’s ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.



### ***Auditors' Responsibilities for the Audit of the Financial Statements***

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with US GAAS and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with US GAAS and *Government Auditing Standards*, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the University's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

### ***Required Supplemental Information***

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis on pages 4 through 19 and the required supplementary information on pages 94 through 107 be presented to supplement the basic financial statements. Such information is the responsibility of management, and although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplemental information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.



### ***Supplemental Information***

Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the University's basic financial statements. The accompanying summary schedule of expenditures of federal awards and schedule of expenditures of federal awards (collectively the "schedules") for the year ended June 30, 2023 are presented for purposes of additional analysis as required by Title 2 U.S. *Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance) and are not a required part of the basic financial statements.

As described in Note B to the Schedules, the accompanying schedules were prepared on the cash basis, which is a comprehensive basis of accounting other than accounting principles generally accepted in the United States of America. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedules are fairly stated, in all material respects, on the basis of accounting described in Note B, in relation to the basic financial statements taken as a whole.

### ***Other Information***

Management is responsible for the other information included in the annual report. The other information in the University's Annual Financial Report (not presented herein) comprises the Letter from the President, Letter from the Executive Vice President, Facts in Brief and Campus Facts in Brief, but does not include the basic financial statements and our auditors' report thereon. Our opinions on the basic financial statements do not cover the other information, and we do not express an opinion or any form of assurance thereon.

In connection with our audit of the basic financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the basic financial statements, or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

### ***Other Reporting Required by Government Auditing Standards***

In accordance with *Government Auditing Standards*, we have also issued our report dated November 22, 2023 on our consideration of the University's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements and other matters for the year ended June 30, 2023. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the University's internal control over financial reporting and compliance.

PricewaterhouseCoopers LLP

San Francisco, California  
November 22, 2023

# Management's Discussion and Analysis (Unaudited)

The objective of this Management's Discussion and Analysis is to help readers of the University of California's financial statements better understand the financial position and operating activities for the year ended June 30, 2023, with selected comparative information for the years ended June 30, 2022 and 2021. This discussion has been prepared by management and should be read in conjunction with the financial statements and the notes to the financial statements. Unless otherwise indicated, years (2021, 2022 and 2023, etc.) in this discussion refer to the fiscal years ended June 30.

The University of California's financial report communicates financial information for the University of California (the University), the University of California campus foundations (campus foundations), the University of California Retirement System (UCRS), the University of California Retiree Health Benefit Trust (UCRHBT) and custodial external investment pool funds, through five primary financial statements and notes to the financial statements. Three of the primary statements, the statements of net position, the statements of revenues, expenses and changes in net position, and the statements of cash flows, present the financial position, changes in financial position and cash flows for the University and the affiliated campus foundations. The financial statements for the campus foundations are presented discretely from the University. Two of the primary statements, the statements of fiduciary net position and the statements of changes in fiduciary net position, present the financial position and operating activities for UCRS, UCRHBT and the custodial external investment pool funds. The notes to the financial statements provide additional information that is essential to a full understanding of the financial statements.

## THE UNIVERSITY OF CALIFORNIA

The University of California, one of the largest and most acclaimed institutions of higher learning in the world, is dedicated to excellence in teaching, research, health care and public service. The University encompasses 10 campuses, five medical centers, four law schools and a statewide Division of Agriculture and Natural Resources. The University is also involved in the operation and management of three national laboratories for the U.S. Department of Energy (DOE).

**Campuses.** The 10 campuses are located in Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, San Francisco, Santa Barbara and Santa Cruz. All of the campuses, except San Francisco, offer undergraduate, graduate and professional education; the San Francisco campus is devoted exclusively to graduate and professional education in health sciences.

**Health sciences.** The University operates one of the nation's largest health science and medical training programs. The instructional program is conducted in 16 health professional schools on six campuses. The University's health programs include five medical centers, two dental schools, three nursing schools, two public health schools and two pharmacy schools, in addition to a school of optometry and a school of veterinary medicine. The University's medical schools play a leading role in the development of health services and the advancement of medical science and research.

**Law schools.** The University has law schools at Berkeley, Davis, Irvine and Los Angeles. Also, UC College of the Law, San Francisco (UC Law SF) is affiliated with the University, although not included in the financial reporting entity.

**Agriculture and Natural Resources.** The Division of Agriculture and Natural Resources is a statewide research and public service organization that serves a large and diverse agricultural community. The division collaborates on research with all campuses and conducts studies at nine research and extension centers and on private land in cooperation with California producers. In addition, research and educational programs are conducted in each of the state's 58 counties.

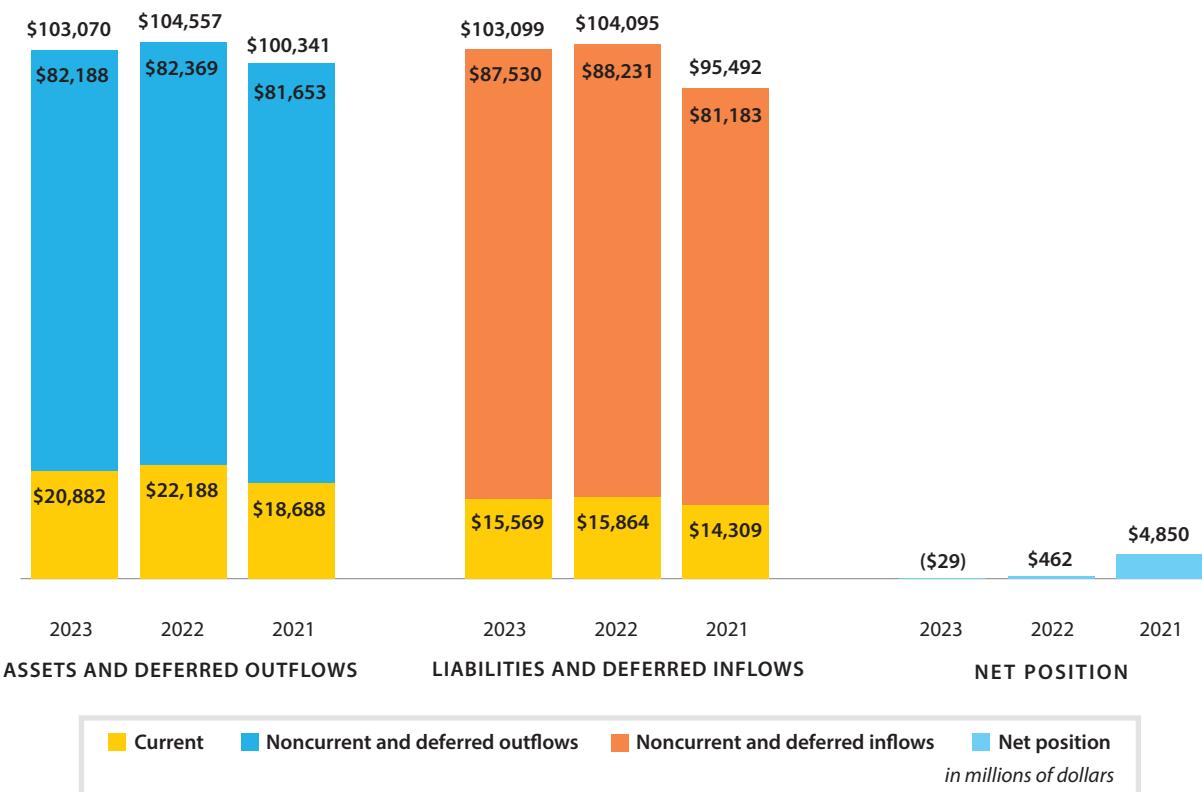
**University Extension.** The foremost continuing education program of its kind in size, scope and quality of instruction, University Extension offers almost 20,000 self-supporting courses statewide and in several foreign countries.

**National laboratories.** Under contract with the DOE, the University operates and manages the Ernest Orlando Lawrence Berkeley National Laboratory (LBNL) in California. The University is also a member in two separate joint ventures, Triad National Security, LLC (Triad) and Lawrence Livermore National Security, LLC (LLNS) that operate and manage the Los Alamos National Laboratory (LANL) and Lawrence Livermore National Laboratory (LLNL), respectively, under contracts directly with the DOE. The laboratories conduct broad and diverse basic and applied research in nuclear science, energy production, national defense and environmental and health areas.

## THE UNIVERSITY'S FINANCIAL POSITION

The University implemented a new accounting standard, Government Accounting Standard Board (GASB) Statement No. 96, *Subscription-Based Information Technology Arrangements* (GASB 96), effective for the University's fiscal year beginning July 1, 2022. Under GASB 96, these arrangements result in a right-to-use intangible asset and a corresponding subscription liability. Financial information for 2022 has been restated to retroactively apply this new accounting standard.

**Display 1: The University's Financial Position**



The statements of net position present the financial position of the University at the end of each fiscal year. They display all of the University's assets, deferred outflows, liabilities, deferred inflows and net position. The difference between assets, deferred outflows, liabilities and deferred inflows is net position. The major components of the statements of net position as of June 30, 2023, 2022 and 2021 are presented in Table MDA.1:

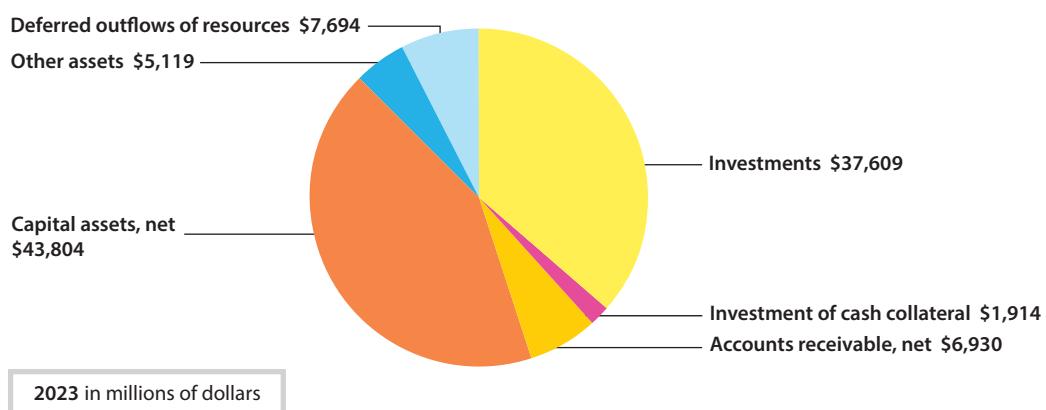
**Table MDA.1: Statements of Net Position**

(in millions of dollars)	2023	2022	2021*
<b>ASSETS</b>			
Investments	\$37,609	\$37,341	\$38,448
Investment of cash collateral	1,914	2,163	998
Accounts receivable, net	6,930	6,124	5,498
Capital assets, net	43,804	41,893	40,335
Other assets	5,119	5,537	5,304
<b>Total assets</b>	<b>95,376</b>	<b>93,058</b>	<b>90,583</b>
<b>DEFERRED OUTFLOWS OF RESOURCES</b>			
	<b>7,694</b>	<b>11,499</b>	<b>9,757</b>
<b>LIABILITIES</b>			
Debt, including commercial paper	36,341	35,930	32,668
Securities lending collateral	1,914	2,163	998
Net pension liability	20,385	21,403	5,895
Net retiree health benefits liability	22,327	20,172	24,916
Other liabilities	12,638	12,996	13,005
<b>Total liabilities</b>	<b>93,605</b>	<b>92,664</b>	<b>77,482</b>
<b>DEFERRED INFLOWS OF RESOURCES</b>			
	<b>9,495</b>	<b>11,430</b>	<b>18,009</b>
<b>NET POSITION</b>			
Net investment in capital assets	13,778	11,833	13,735
Restricted:			
Nonexpendable	1,336	1,307	1,285
Expendable	11,639	11,527	10,961
Unrestricted	(26,782)	(24,205)	(21,131)
<b>Total net position</b>	<b>(\$29)</b>	<b>\$462</b>	<b>\$4,850</b>

\*Does not reflect adoption of GASB 96

## The University's Assets and Deferred Outflows

**Display 2: The University's Assets and Deferred Outflows for 2023**



The University's total assets and deferred outflows of resources have fluctuated since 2021, at \$103.1 billion in 2023, compared to \$104.6 billion in 2022 and \$100.3 billion in 2021. Capital assets have increased due to continued investments in facilities in excess of depreciation. Investments increased in 2023 due to positive financial market returns. Deferred outflows have fluctuated primarily due to changes in the University's net pension and retiree health benefits liabilities.

### *Investments*

Investments held by the University are principally carried in the following investment pools: the Short Term Investment Pool (STIP), the Total Return Investment Pool (TRIP), the Blue and Gold Pool (BGP) and the General Endowment Pool (GEP). Cash for operations and bond proceeds for construction expenditures are invested in STIP. The University uses STIP to meet operational liquidity needs. TRIP provides the opportunity to enhance returns on long-term capital by taking advantage of the economies of scale of investing in a large pool across a broad range of asset classes. The University maximizes its use of TRIP while still maintaining sufficient funds in STIP to meet operational and liquidity needs. BGP was created to enhance returns by passively investing funds in the equity and fixed-income markets while still maintaining liquidity. The investment policy for TRIP is balanced between equities and fixed income while the investment policy for BGP is more heavily weighted toward equities. GEP is a balanced portfolio and the primary investment vehicle for individual endowments and funds functioning as endowments.

The University utilizes asset allocation strategies that are intended to optimize investment returns over time in accordance with investment objectives and at acceptable levels of risk. GEP had returns of 8.2 percent in 2023, (7.6) percent in 2022 and 33.7 percent in 2021. BGP was restarted on April 1, 2021 and had a return of (15.2) percent through June 30, 2022 and 13.3 percent in 2023. TRIP had returns of 8.6 percent, (11.3) percent and 21.2 percent in 2023, 2022 and 2021, respectively. STIP had positive returns of 2.8 percent, 0.4 percent and 0.8 percent in 2023, 2022 and 2021, respectively.

### *Capital assets, net*

The University's enrollment growth and continuing needs for renewal, modernization and seismic correction of existing facilities are the key drivers of capital investments. Capital spending continued at a brisk pace in order to provide the facilities necessary to support the University's teaching, research and public service mission and for patient care. Capital spending includes constructing and renovating academic buildings, research laboratories, libraries, student services, parking structures and infrastructure projects at all 10 campuses and five medical centers. The University has a goal to increase affordable campus housing for more students, given escalating living costs in many of the surrounding campus communities. The largest capital asset additions in 2023 were related to the construction of housing, classroom, parking and research facilities at various campuses and expansion of medical center facilities. The largest capital asset additions in 2022 were related to the construction of housing and research facilities at various campuses and expansion of medical center facilities. The largest capital asset additions in 2021 were related to the construction of housing facilities at various campuses and the continued renovation of facilities for seismic safety. Total additions of capital assets were \$5.0 billion in 2023 as compared to \$4.3 billion in 2022 and \$4.2 billion in 2021.

### *Other assets*

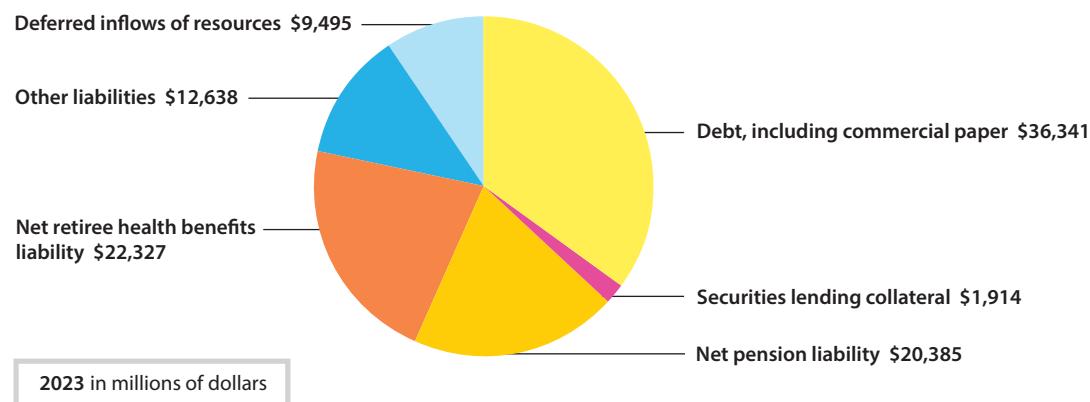
Other assets include cash, investments held by trustees, pledges receivable, notes and mortgages receivable, inventories and receivables from the DOE. The noncurrent receivable from the DOE, which fluctuates with the net pension and retiree health benefits liabilities due to the DOE's continuing responsibility to contribute for retired and terminated vested members of LLNL and LANL, increased by \$22.5 million in 2023 and increased by \$30.0 million in 2022.

### *Deferred outflows of resources*

Changes in the fair value of the University's interest rate swaps that are determined to be hedging derivatives, losses on debt refundings, asset retirement obligations and certain changes in the net pension and net retiree health benefits liabilities are reported as deferred outflows of resources. In 2023, deferred outflows decreased due to higher than expected investment returns for the UCRP portfolio. In 2022, deferred outflows increased due to lower than expected investment returns for the UCRP portfolio.

## The University's Liabilities and Deferred Inflows

**Display 3: The University's Liabilities and Deferred Inflows for 2023**



The University's liabilities and deferred inflows of resources decreased to \$103.1 billion in 2023 as compared to \$104.1 billion in 2022, and increased as compared to \$95.5 billion in 2021. The change in 2023 was primarily related to the decrease in the liability for pension benefits due to favorable market returns in the UCRP investment portfolio. In 2022, the liability for pension benefits increased and deferred inflows increased due to market performance in the UCRP investment portfolio.

### *Debt, including commercial paper*

Capital assets are financed from a variety of sources, including University equity contributions, state support, gifts, revenue bonds, bank loans and leases or structures that involve separate legal entities. Commercial paper and bank loans provide interim financing for capital assets during the construction period.

Outstanding debt increased by \$0.4 billion and \$3.3 billion in 2023 and 2022, respectively. A summary of the activity follows:

**Table MDA.2: Summary of Debt Activity**

(in millions of dollars)	2023	2022
<b>ADDITIONS TO OUTSTANDING DEBT</b>		
General Revenue Bonds	\$3,254	
Medical Center Pooled Revenue Bonds	\$3,000	
Blended Component Unit Revenue Bonds	191	
Limited Project Revenue Bonds	412	
Financing obligations, leases and SBITAs	516	584
Commercial paper, net	575	
Bond premium, net	309	165
<b>Additions to outstanding debt</b>	<b>4,079</b>	<b>4,927</b>
<b>REDUCTIONS FROM OUTSTANDING DEBT</b>		
Refinancing and prepayments	(2,430)	(612)
Scheduled principal payments	(926)	(901)
Payments on other borrowings	(95)	(45)
Commercial paper, net	(60)	
Amortization of bond premium	(157)	(107)
<b>Reductions from outstanding debt</b>	<b>(3,668)</b>	<b>(1,665)</b>
<b>Net increase in outstanding debt</b>	<b>\$411</b>	<b>\$3,262</b>

The University's debt, which is used primarily to finance capital assets, includes \$0.9 billion, \$0.9 billion and \$0.4 billion of commercial paper outstanding at the end of 2023, 2022 and 2021, respectively. Total debt outstanding was \$36.3 billion at the end of 2023 compared to \$35.9 billion and \$32.7 billion at the end of 2022 and 2021, respectively.

In 2023, General Revenue Bonds totaling \$3.3 billion, including \$2.8 billion in tax-exempt bonds, were issued to finance the acquisition, construction, improvement and renovation of certain facilities of the University and refund general revenue bonds totaling \$2.0 billion and medical center pooled revenue bonds totaling \$0.3 billion.

In 2022, Medical Center Revenue Bonds of \$0.4 billion were issued for operations and \$2.6 billion to finance the acquisition, construction, improvement and renovation of certain facilities at the University's medical centers. Additionally, \$191.3 million of tax-exempt bonds were issued to finance and refinance the construction of third-party housing facilities. Reductions to outstanding debt include \$1.0 billion for scheduled principal payments.

The University's General Revenue Bond ratings are currently affirmed at Aa2, AA and AA by Moody's Investors Service, Standard & Poor's and Fitch, respectively, all with stable outlooks. The University's Limited Project Revenue Bonds and Medical Center Pooled Revenue Bonds are currently affirmed at Aa3, AA- and AA- by Moody's Investors Service, Standard & Poor's and Fitch, respectively, all with stable outlooks.

Commercial paper borrowings decreased by \$60.0 million in 2023 as compared to 2022 and increased by \$575.0 million in 2022 compared to 2021. Commercial paper is primarily used as interim financing for construction projects and short-term financing for other needs. Commercial paper fluctuates based upon the timing of refinancing construction projects with the issuance of long-term revenue bonds. The University has various revolving credit agreements totaling \$700.0 million with major financial institutions for the purpose of providing additional liquidity for certain variable-rate demand bonds, commercial paper and other liquidity needs.

#### *Net pension liability and retiree health benefits*

The University has financial responsibility for pension benefits associated with its defined benefit plans and for retiree health benefits. The University's net pension liability was \$20.4 billion, \$21.4 billion and \$5.9 billion in 2023, 2022 and 2021, respectively. The changes were driven primarily by investment returns for the UCRP portfolio. In 2023, market performance was favorable compared to expected returns, and in 2022, market performance was unfavorable compared to expected returns. The total investment rate of return for UCRP was 10.1 percent in 2023, (10.8) percent in 2022 and 30.5 percent in 2021. The discount rate used to estimate the net pension liability was 6.75 percent in 2023, 2022 and 2021, respectively.

LBNL participates in the University's defined benefit pension plan, although the DOE has ongoing financial responsibility to reimburse the University for LBNL's share of the obligation to UCRP. In addition, under certain circumstances, the University makes contributions to UCRP for LANL and LLNL retirees and, based upon contractual arrangements with the DOE, is reimbursed by the DOE. The University recorded receivables from the DOE of \$0.6 billion for each 2023, 2022 and 2021, respectively, representing the DOE's share of the net pension liability.

The University's net retiree health benefits liability was \$22.3 billion, \$20.2 billion and \$24.9 billion in 2023, 2022 and 2021, respectively. While retiree health benefits are not a legal obligation of the University and can be canceled or modified at any time, accounting standards require the University to recognize a net retiree health benefits liability based on the current practices of providing such benefits. The University funds the retiree health benefits through UCRHBT based on a projection of benefits on a pay-as-you-go basis, and the assets in the trust are not currently sufficient to fund retiree health benefits. Therefore, the Bond Buyer 20-year tax-exempt general obligation municipal-bond index rate is used to discount the retiree health benefits liability. The increase in the net retiree health benefits liabilities in 2023 were primarily driven by an actuarial loss from higher than projected health care premium rates. The changes in the net retiree health benefits liabilities in 2022 were primarily driven by the changes in the discount rates used to estimate the net retiree health benefits liability. The discount rates as of June 30, 2023, 2022 and 2021 were 3.65 percent, 3.54 percent and 2.16 percent, respectively.

LBNL participates in the University's retiree health benefits plans and, based on contractual arrangements with the DOE, the University is reimbursed for retiree health benefits costs associated with LBNL retirees. The University recorded receivables from the DOE of \$710.0 million, \$708.6 million and \$711.5 million for 2023, 2022 and 2021, respectively, representing the DOE's share of the net retiree health benefits liability.

### *Other liabilities*

Other liabilities consist of accounts payable, accrued salaries, other employee benefits, unearned revenue, DOE laboratories' liabilities, federal refundable loans, self-insurance liabilities and obligations under split-interest agreements held by the University. The Centers for Medicare & Medicaid Services (CMS) modified the advance payment program for health care providers as part of the Coronavirus Aid, Relief, and Economic Security (CARES) Act, and the medical centers received advances under this program. Outstanding balances are \$4.0 million, \$88.4 million and \$806.4 million as of June 30, 2023, 2022 and 2021, respectively. Accrued salaries changes were due to the timing of payroll and benefit payments. Self-insurance liabilities decreased by \$336.6 million and increased by \$472.7 million in 2023 and 2022, respectively, due to changes in claims and changes in estimates.

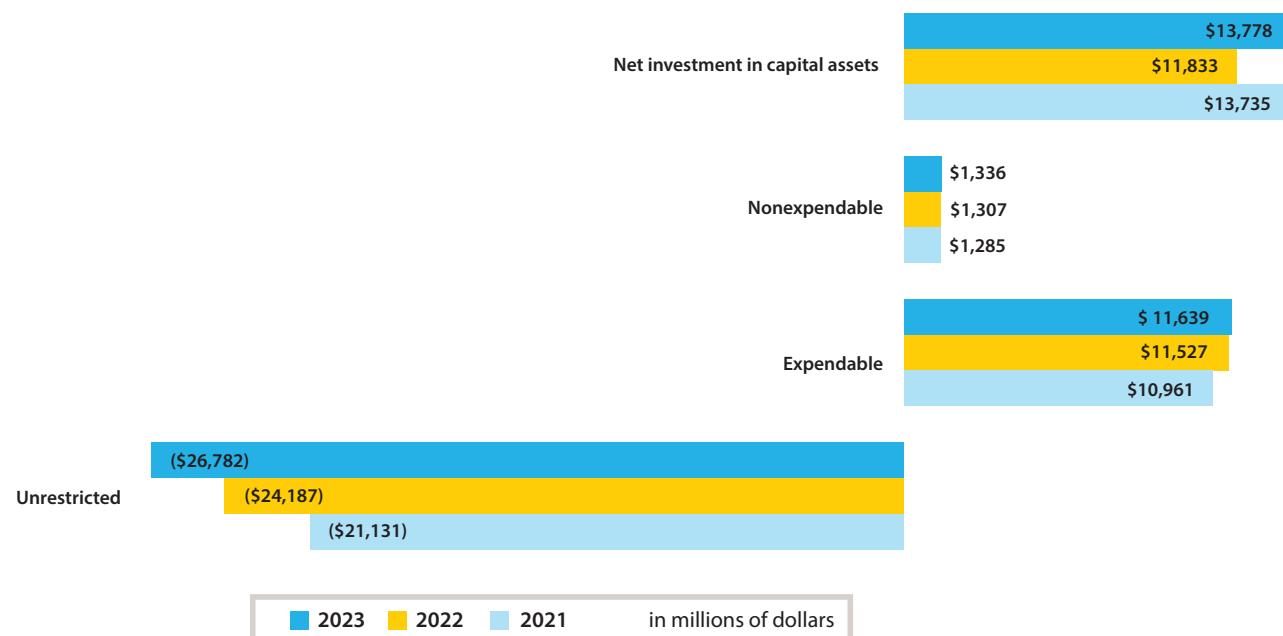
### *Deferred inflows of resources*

Deferred inflows of resources are related to the University's service concession arrangements, gains on debt refunding, sales of certain future patent royalty revenues, changes in the estimated future value of irrevocable split-interest agreements and certain changes in the net pension and net retiree health benefits liabilities. Changes in deferred inflows of resources were primarily due to fluctuations in the net pension liability related to investment market performance and the retiree health liability as a result of changes in the discount rate.

### **The University's Net Position**

Net position represents the residual interest in the University's assets and deferred outflows after all liabilities and deferred inflows are deducted. The University's net position was \$0.0 billion in 2023 compared to \$0.5 billion in 2022 and \$4.8 billion in 2021. Net position is reported in the following categories: net investment in capital assets, restricted nonexpendable, restricted expendable and unrestricted.

**Display 4: The University's Net Position**



#### *Net investment in capital assets*

The portion of net position invested in capital assets, net of accumulated depreciation and the related outstanding debt used to finance the acquisition, construction or improvement of these capital assets, was \$13.8 billion in 2023 compared to \$11.8 billion in 2022 and \$13.7 billion in 2021. To support its growth, the University continues to invest in its physical facilities, and financing with debt is used for a significant portion of the investments. Net investment in capital assets increased in 2023 by \$1.9 billion as the University continues to invest in its physical facilities and decreased in 2022 by \$1.9 billion due to depreciation and disposals outpacing non-financed capital spending.

***Restricted nonexpendable***

Restricted nonexpendable net position includes the corpus of the University's permanent endowments as well as minority interests. In 2023 and 2022, the increase in restricted nonexpendable net position was principally due to the receipt of new gifts.

***Restricted expendable***

Restricted expendable net position is subject to externally imposed restrictions governing its use. Restricted expendable net position may be spent only in accordance with the restrictions placed upon it and may include endowment income and gains, subject to the University's spending policy; support received from gifts, state or federal appropriations; and trustee-held investments. The increases or decreases in restricted expendable funds are principally due to the timing of spending restricted gifts and endowment income and gains.

***Unrestricted***

Net position that is not subject to externally imposed restrictions governing its use is classified as unrestricted for financial reporting purposes. Unrestricted net position is negative due primarily to obligations for pension and retiree health benefits exceeding University assets available to pay such obligations. Although unrestricted net position is not subject to externally imposed restrictions, substantially all of the University's unrestricted net position is allocated for academic and research initiatives or programs, for capital projects or for other purposes.

## THE UNIVERSITY'S RESULTS OF OPERATIONS

The statements of revenues, expenses and changes in net position present the University's operating results and indicate whether the financial condition has improved or deteriorated. In accordance with GASB requirements, certain significant revenues relied upon and budgeted for fundamental operational support of the core instructional mission of the University are required to be recorded as nonoperating revenues, including state educational appropriations, private gifts and investment income. A summarized comparison of the operating results for 2023, 2022 and 2021, arranged in a format that matches the revenue supporting the primary activities of the University with the expenses associated with these primary activities, is shown in Table MDA.3:

**Table MDA.3: The University's Results of Operations**

(in millions of dollars)	2023			2022			2021*		
	OPERATING	NONOPERATING	TOTAL	OPERATING	NONOPERATING	TOTAL	OPERATING	NONOPERATING	TOTAL
<b>REVENUES</b>									
Student tuition and fees, net	\$5,515		\$5,515	\$5,441		\$5,441	\$5,101		\$5,101
State educational appropriations		\$4,387	4,387		\$4,297	4,297		\$3,260	3,260
Direct government grants	128	128		843	843		880	880	
Federal Pell Grants	448	448		444	444		607	607	
Grants and contracts, net	7,615		7,615	7,055		7,055	6,234		6,234
Medical centers, net	19,160	42	19,202	17,467	40	17,507	15,639	38	15,677
Educational activities, net	5,890		5,890	5,351		5,351	4,711		4,711
Auxiliary enterprises, net	1,851		1,851	1,646		1,646	656		656
Department of Energy laboratories	1,147		1,147	1,031		1,031	1,081		1,081
Private gifts, net		1,826	1,826		1,737	1,737		1,572	1,572
Other revenues	1,024	1,168	2,192	904	632	1,536	690	724	1,414
<b>Revenues supporting primary activities</b>	<b>42,202</b>	<b>7,999</b>	<b>50,201</b>	<b>38,895</b>	<b>7,993</b>	<b>46,888</b>	<b>34,112</b>	<b>7,081</b>	<b>41,193</b>
<b>EXPENSES</b>									
Salaries and wages	21,880		21,880	19,887		19,887	18,485		18,485
Pension benefits	4,892		4,892	4,338		4,338	2,041		2,041
Retiree health benefits	1,108		1,108	1,238		1,238	1,892		1,892
Other employee benefits	5,213		5,213	4,615		4,615	3,975		3,975
Scholarships and fellowships	893		893	1,182		1,182	1,120		1,120
Supplies and materials	5,922		5,922	5,361		5,361	4,790		4,790
Depreciation and amortization	2,830		2,830	2,695		2,695	2,624		2,624
Department of Energy laboratories	1,104		1,104	991		991	1,042		1,042
Interest expense		1,158	1,158		1,130	1,130		1,082	1,082
Other expenses	7,327	58	7,385	7,033		7,033	5,226	22	5,248
<b>Expenses associated with primary activities</b>	<b>51,169</b>	<b>1,216</b>	<b>52,385</b>	<b>47,340</b>	<b>1,130</b>	<b>48,470</b>	<b>41,195</b>	<b>1,104</b>	<b>42,299</b>
<b>Income (loss) from primary activities</b>	<b>(\$8,967)</b>	<b>\$6,783</b>	<b>(\$2,184)</b>	<b>(\$8,445)</b>	<b>\$6,863</b>	<b>(\$1,582)</b>	<b>(\$7,083)</b>	<b>\$5,977</b>	<b>(\$1,106)</b>
<b>OTHER NONOPERATING ACTIVITIES</b>									
Net appreciation (depreciation) in fair value of investments			1,218			(3,149)			5,843
<b>Income (loss) before other changes in net position</b>				<b>(966)</b>			<b>(4,731)</b>		<b>4,737</b>
<b>OTHER CHANGES IN NET POSITION</b>									
State capital appropriations			105			1			1
Capital gifts and grants, net			340			311			228
Additions to permanent endowments			30			31			29
<b>Change in net position</b>			<b>(491)</b>			<b>(4,388)</b>			<b>4,995</b>
<b>NET POSITION</b>									
Beginning of year			462			4,850			(145)
<b>End of year</b>			<b>(\$29)</b>			<b>\$462</b>			<b>\$4,850</b>

\*Does not reflect adoption of GASB 96

## **Revenues supporting core activities**

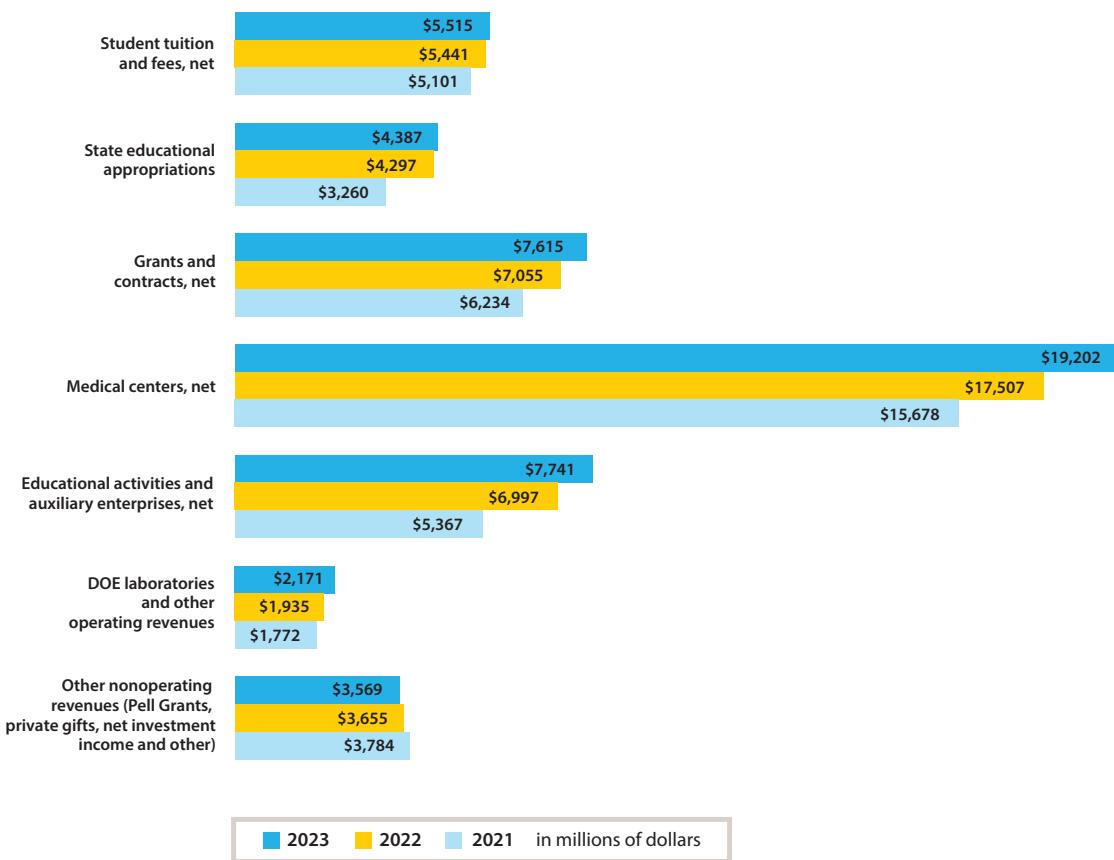
Revenues to support the University's primary activities, including those classified as nonoperating revenues, were \$50.2 billion, \$46.9 billion and \$41.2 billion in 2023, 2022 and 2021, respectively. These diversified sources of revenue increased by \$3.3 billion in 2023 and \$5.7 billion in 2022.

The state of California's educational appropriations, in conjunction with student tuition and fees, are the main components that support the instructional mission of the University. Grants and contracts provide opportunities for undergraduate and graduate students to participate in basic research alongside some of the most prominent researchers in the country.

Gifts to the University allow crucial flexibility to faculty for support of their fundamental activities or new academic initiatives. Other significant revenues are from medical centers, educational activities and auxiliary enterprises such as student housing, food service operations and parking.

Revenues in the various categories have changed as follows:

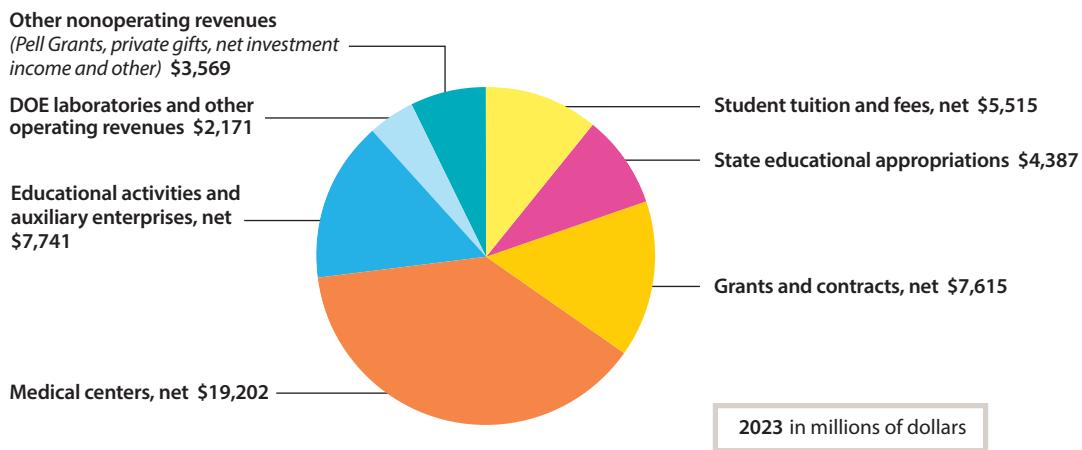
**Display 5: The University's Revenues by Category**



A major financial strength of the University is its diverse source of revenues, including those from student fees, federally sponsored grants and contracts, medical centers, the state of California, private support and auxiliary enterprises. The variety of fund sources has become increasingly important over the past several years.

Categories of both operating and nonoperating revenue that supported the University's primary activities in 2023 are as follows:

#### Display 6: The University's Operating and Nonoperating Revenues for 2023



#### *Student tuition and fees, net*

Net student tuition and fees were \$5.5 billion, \$5.4 billion and \$5.1 billion in 2023, 2022 and 2021, respectively. Scholarship allowances, or financial aid, are the difference between the stated charge for tuition and fees and the amount that is paid by the student and third parties on behalf of the student. Scholarship allowances, netted against student tuition and fees, were \$1.4 billion in each of 2023, 2022 and 2021, respectively. Student tuition and fees, net of scholarship allowances, increased by \$74.4 million in 2023 and by \$339.8 million in 2022, respectively.

Enrollment remained relatively flat in the 2022-23 academic year after growing by approximately 3.1 percent in 2021-22. Consistent with the Tuition Stability Plan approved by the Regents in July 2021, mandatory tuition for undergraduates who enrolled prior to fall 2022 will remain flat through 2026-27; undergraduates who first enrolled in 2022-23 are assessed a mandatory tuition level that is 4.25% higher than the prior cohort; and undergraduates who first enrolled in 2023-24 are assessed a mandatory tuition level that is 5.0% higher than the prior cohort. For graduate students in State-supported programs, adjustments to mandatory tuition and fees are pegged to the rate of inflation beginning with the 2022-23 academic year. Professional degree supplemental tuition varies by discipline; certain increases were approved by the Regents for 2023, 2022 and 2021.

#### *State educational appropriations*

Educational appropriations from the state of California were \$4.4 billion, \$4.3 billion and \$3.3 billion in 2023, 2022 and 2021, respectively. State educational appropriations increased by \$0.1 billion and \$1.0 billion in 2023 and 2022 due to a restoration of state support cut during prior years, a further base budget increase and new one-time funds for deferred maintenance and other purposes.

#### *Direct government grants*

In 2022 and 2021, the University received funds under certain provisions of the American Rescue Plan Act (ARPA) and CARES Act to minimize the impacts of lost revenues and increased expenses related to COVID-19. The campuses received \$70.6 million, \$642.7 million and \$456.0 million in 2023, 2022 and 2021, respectively, in grants to provide emergency financial aid to students and to mitigate the impacts of lost revenue and additional technology expenses associated with moving to online education. The medical centers received \$57.3 million, \$52.8 million and \$424.1 million in 2023, 2022 and 2021, respectively, in CARES Act provider relief funding for lost health care revenues and additional expenses for treating patients with COVID-19. In 2022, the medical centers received designated public hospital grants of \$147.9 million in support of their health care expenditures.

### *Grants and contracts, net*

Revenue from federal, state, private and local government grants and contracts, including facilities and administration cost recovery of \$1.6 billion, \$1.4 billion and \$1.3 billion in 2023, 2022 and 2021, respectively, was \$7.6 billion, \$7.1 billion and \$6.2 billion in 2023, 2022 and 2021, respectively.

In 2023, federal grants and contracts revenue increased \$338.0 million, or 8.3 percent, compared to 2022. In 2022, federal grants and contracts revenue increased \$468.0 million, or 13.1 percent, compared to 2021. Federal grants and contracts include federal facilities and administrative cost recovery of \$1.1 billion, \$981.0 million and \$912.6 million in 2023, 2022 and 2021, respectively. Changes in the federal budget impact the University's revenue from federal grants and contracts. Grants and contracts revenue, including grants for research related to COVID-19 in 2023, 2022 and 2021, is from a variety of federal agencies as indicated in Table MDA.4:

**Table MDA.4: Grants and Contracts Revenue Sources**

(in millions of dollars)	2023	2022	2021
Department of Health and Human Services	\$2,808	\$2,595	\$1,947
National Science Foundation	566	532	350
Department of Education	92	94	102
Department of Defense	306	312	219
National Aeronautics and Space Administration	142	114	83
Department of Energy (excluding national laboratories)	175	155	126
Other federal agencies	298	247	754
<b>Federal grants and contracts net revenue</b>	<b>\$4,387</b>	<b>\$4,049</b>	<b>\$3,581</b>

### *Medical centers, net*

Medical center revenue, net of allowances, increased \$1.7 billion, or 9.7 percent, in 2023 and \$1.8 billion, or 11.7 percent, in 2022. Revenue growth in 2023 and 2022 was the result of increases in both inpatient and outpatient volumes.

### *Educational activities and auxiliary enterprises, net*

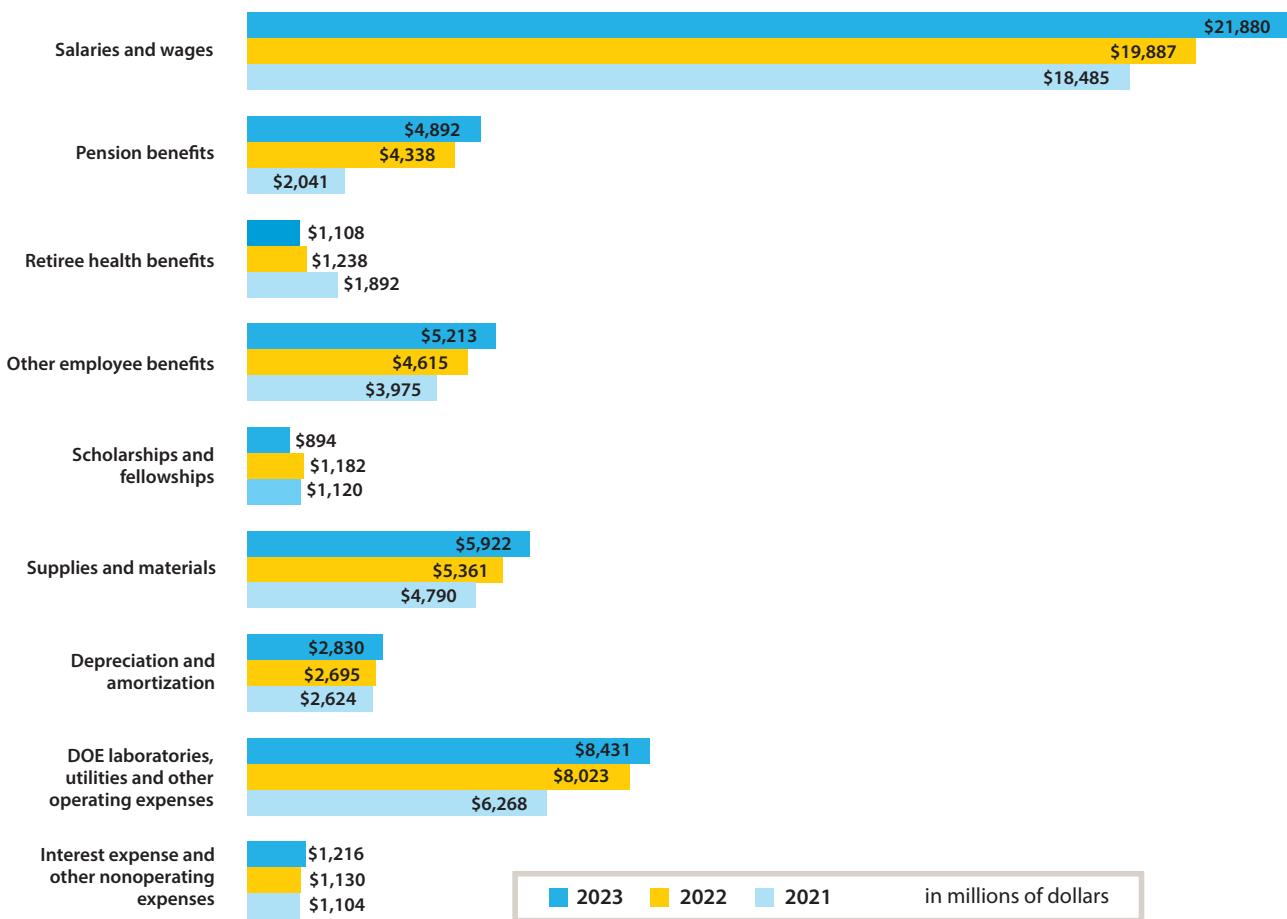
Revenue from educational activities, primarily medical professional fees, net of allowances, increased by \$538.9 million, or 10.1 percent, in 2023 and \$640.2 million, or 13.6 percent, in 2022, due to higher patient volumes.

Auxiliary enterprises include housing, food service, parking, bookstores, student centers, unions and child-care centers. Revenue from auxiliary enterprises, net of allowances, increased by \$204.3 million, or 12.4 percent, in 2023 which is consistent with the University's initiative to expand campus housing while minimizing increases in housing costs for students. Revenue for auxiliary enterprises increased by \$990.3 million, or 150.9 percent, in 2022 as in-person classes resumed in person starting in fall 2021.

## Expenses associated with primary activities

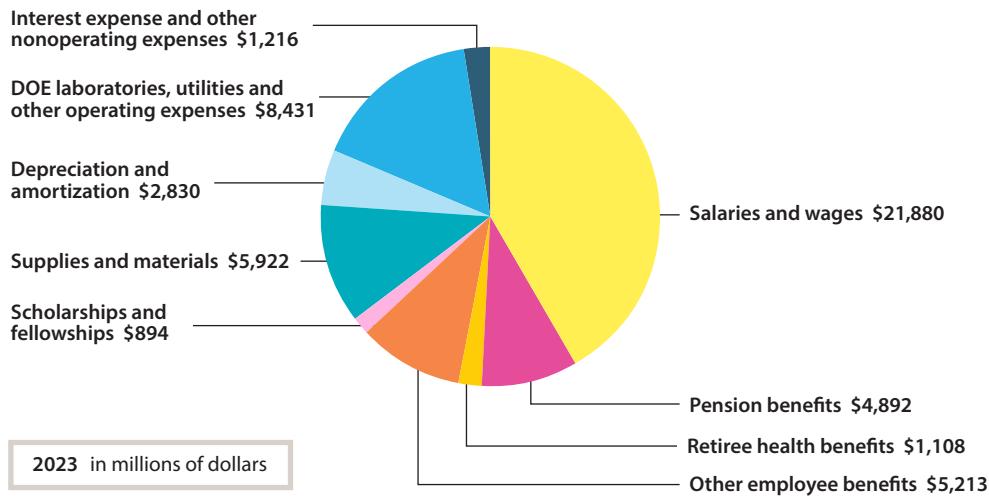
Expenses associated with the University's primary activities, including those classified as nonoperating expenses, were \$52.4 billion, \$48.5 billion and \$42.3 billion in 2023, 2022 and 2021, respectively. These expenses increased in 2023 by \$3.9 billion and in 2022 by \$6.2 billion. The University's operations continued to grow, principally at the medical centers, and expenses increased consistent with the overall growth in operations. Pension expenses have caused significant fluctuations in expenses due to the performance of the financial markets. Retiree health benefits expenses decreased in 2023 and 2022 due to the changes in the discount rate. Expenses in the various categories are as follows:

**Display 7: The University's Expenses by Category**



Categories of both operating and nonoperating expenses related to the University's primary activities in 2023 are as follows:

#### Display 8: Expenses Related to Primary Activities in 2023



#### Salaries and benefits

Approximately two-thirds of the University's expenses are related to salaries and benefits. There were 189,700 full-time equivalent (FTE) employees in 2023, excluding employees who were associated with LBNL, whose salaries and benefits were included as laboratory expenses, as compared to 180,200 FTEs in 2022. Total salaries and benefits expense increased by 10.0 percent in 2023, primarily driven by the increase in salaries and wages of \$2.0 billion and pension expense of \$0.6 billion. Total salaries and benefits expense increased by 14.0 percent in 2022, primarily driven by the increase in salaries and wages of \$1.4 billion and pension expense of \$2.3 billion.

In 2023, salaries increased by 10.0 percent, comprised of an increase of 5.3 percent in the number of FTEs and a 4.5 percent increase in the average salary per FTE. In 2023, employee benefits, excluding pension and retiree health benefits, increased by \$597.7 million, or 13.0 percent. Pension expense increased by \$0.6 billion due to changes in actuarial assumptions related to the experience study. Retiree health benefits expense decreased by \$130.2 million or 10.5 percent due to an increase in the discount rate.

In 2022, salaries increased by 7.6 percent, comprised of an increase of 7.0 percent in the number of FTEs and a 0.7 percent increase in the average salary per FTE. In 2022, employee benefits, excluding pension and retiree health benefits, increased by \$640.0 million, or 16.1 percent. Pension expense increased by \$2.3 billion due to lower-than-expected investment returns. Retiree health benefits expense decreased by \$653.2 million or 34.5 percent due to an increase in the discount rate.

#### Scholarships and fellowships

The University places a high priority on student financial aid as part of its commitment to affordability. Financial aid in all forms awarded by the University was \$2.7 billion, \$2.9 billion and \$2.6 billion in 2023, 2022 and 2021, respectively. Scholarship allowances which are netted against student tuition and fees were \$1.8 billion, \$1.7 billion and \$1.5 billion in 2023, 2022 and 2021, respectively. Scholarships and fellowships expense, representing payments of financial aid made directly to students and reported as an operating expense were \$0.9 billion, \$1.2 billion and \$1.1 billion in 2023, 2022 and 2021, respectively. On a combined basis, as the University continues its commitment to provide financial support for needy students, financial aid in all forms increased by \$0.2 million, or 8.3 percent, in 2023 as compared to 2022, and by \$334.0 million, or 12.9 percent, in 2022 as compared to 2021. Increases in financial aid, scholarships and fellowships in 2021 slowed since virtually all classes were held online and housing occupancy was limited. Increases in financial aid, scholarships and fellowships in 2022 are consistent with increases in enrollment, tuition, fees and housing costs. Financial aid includes direct payments to students of \$19.5 million, \$333.0 million and \$135.9 million in 2023, 2022 and 2021, respectively, related to funds received under the CARES Act. The University's practice is to minimize the impact of cost increases on first-generation and low-income students.

#### Supplies and materials

During 2023 and 2022, supplies and materials costs increased by \$560.9 million, or 10.5 percent and \$571.7 million, or 11.9 percent, respectively. The largest increases occurred at the medical centers due to increased patient volumes. In 2023, supply costs also increased for research activities related to increased federal contract and grant activities. In 2022 and 2021, the need for personal protective, laboratory and cleaning supplies due to the outbreak of COVID-19 caused significant increases in supplies expense. In recent years, there has been inflationary pressure on the costs for medical supplies and laboratory instruments and higher costs for general supplies necessary to support expanded medical patient volumes. The University continues to find opportunities to manage the costs of supplies and materials.

#### *Other expenses*

Other expenses consist of a variety of expense categories, including travel, rent, insurance, legal settlements and repairs and maintenance, plus any gain or loss on disposals of capital assets and other nonoperating expenses.

#### *Operating losses*

In accordance with GASB's reporting standards, operating losses were \$9.0 billion, \$8.4 billion and \$7.1 billion in 2023, 2022 and 2021, respectively. The operating losses in 2023, 2022 and 2021 were offset by \$6.8 billion, \$6.9 billion and \$6.0 billion, respectively, of net nonoperating revenue that supports primary operating activities of the University. Expenses exceeded revenues associated with primary activities by \$2.2 billion, \$1.6 billion and \$4.1 billion in 2023, 2022 and 2021, respectively. These fluctuations have been primarily driven by changes in pension and retiree health benefits expenses.

#### *Other nonoperating activities*

The University's other nonoperating activities, consisting of net appreciation or depreciation in the fair value of investments, are noncash transactions and, therefore, are not available to support operating expenses. In 2022, the University recognized net depreciation in the fair value of investments of \$3.1 billion. In 2023 and 2021, the University recognized net appreciation in the fair value of investments of \$1.2 billion and \$5.8 billion, respectively. The University's portfolio returns fluctuate with the overall performance in the investment markets.

#### *Other changes in net position*

Similar to other nonoperating activities discussed above, other changes in net position are also not available to support the University's operating expenses in the current year. State capital appropriations and capital gifts and grants may only be used for the purchase or construction of the specified capital assets. Only income earned from gifts of permanent endowments is available in future years to support the specified program.

### **LOOKING FORWARD — FACTORS IMPACTING FUTURE PERIODS**

Governor Newsom signed SB 101 on June 27, 2023, and AB 102 on July 10, 2023; together with issue-specific budget trailer bills, these bills constitute the Budget Act of 2023-24. Together, the budget provides the University of California with \$329.2 million in new ongoing support in 2023-24, an increase of 7.5 percent over 2022-23 levels. The budget also includes one-time funding of \$142.5 million to support various programs across the University. The final State budget provides the University with new ongoing funds to finance new capital projects that the State had previously proposed to support with larger one-time appropriations. This includes \$33.5 million in ongoing funding to replace \$437 million of one-time funds for student housing projects, and \$33.3 million in ongoing funding to replace \$498 million of one-time funds for Berkeley's Clean Energy Campus Project and campus expansion projects at Merced and Riverside.

The Budget Act reflects the second year of the Governor's multi-year compact with the University. Under the compact, the Governor will propose annual base budget increases of five percent for the University in 2022-23 through 2026-27. The University, in turn, has committed to specific and ambitious goals related to increasing access to the University of California, improving student success and advancing equity, increasing the affordability of a UC education, increasing intersegmental collaboration, supporting workforce preparedness and providing access to online course offerings.

The University's medical centers continue to face financial and competitive challenges in their regional markets, along with the added costs and responsibilities related to their function as academic institutions. The demand for health care services and the cost of providing them continue to increase significantly. In addition to the rising costs of salaries, benefits and medical supplies faced by hospitals across the state, along with the costs of maintaining and upgrading facilities, the University's medical centers also face additional costs associated with seismic retrofitting, new technologies, biomedical research, the education and training of health care professionals and the care for a significant share of the medically underserved in California. Other than Medicare and Medi-Cal (California's Medicaid program), health insurance payments do not recognize the added cost of teaching in academic medical centers. The growth in costs of the publicly funded programs and health care reform will likely continue to reduce rates or limit payment growth, placing downward pressure on operating results for the medical centers.

The University must have a wide range of facilities to meet its education, research and public service goals and continues to assess its long-term capital requirements. Support for the University's capital program is expected to be provided from a combination of sources, including the state of California, external financing, gifts and other sources.

## **CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS**

Certain information provided by the University, including written as outlined above or oral statements made by its representatives, may contain forward-looking statements as defined in the Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical facts, which address activities, events or developments that the University expects or anticipates will or may occur in the future contain forward-looking information.

In reviewing such information, it should be kept in mind that actual results may differ materially from those projected or suggested in such forward-looking information. This forward-looking information is based upon various factors and was derived using various assumptions. The University does not undertake to update forward-looking information contained in this report or elsewhere to reflect actual results, changes in assumptions or changes in other factors affecting such forward-looking information.

**UNIVERSITY OF CALIFORNIA  
STATEMENTS OF NET POSITION**

At June 30, 2023 and 2022 (in thousands of dollars)	UNIVERSITY OF CALIFORNIA		CAMPUS FOUNDATIONS	
	2023	2022	2023	2022
<b>ASSETS</b>				
Cash and cash equivalents	\$549,988	\$1,080,765	\$272,370	\$575,601
Short-term investments	9,946,972	11,178,413	1,788,817	1,213,678
Investment of cash collateral	1,833,062	2,112,588		
Investments held by trustees	345,834	428,877		
Accounts receivable, net	6,929,913	6,124,199	39,999	33,325
Pledges receivable, net	34,964	49,408	307,168	480,206
Current portion of notes and mortgages receivable, net	66,737	63,751		
Inventories	397,407	382,683		
Department of Energy receivable	178,365	196,186		
Other current assets	598,977	571,465	2,655	5,590
<b>Current assets</b>	<b>20,882,219</b>	<b>22,188,335</b>	<b>2,411,009</b>	<b>2,308,400</b>
Investments	27,662,435	26,162,468	13,035,528	12,060,357
Investment of cash collateral	80,824	49,932		
Investments held by trustees	99,091	105,424		
Pledges receivable, net	18,800	32,308	1,343,530	748,236
Notes and mortgages receivable, net	329,987	332,907	250	250
Department of Energy receivable	1,355,389	1,332,893		
Capital assets, net	43,803,907	41,893,424		
Other noncurrent assets	1,143,371	959,961	107,575	113,261
<b>Noncurrent assets</b>	<b>74,493,804</b>	<b>70,869,317</b>	<b>14,486,883</b>	<b>12,922,104</b>
<b>Total assets</b>	<b>95,376,023</b>	<b>93,057,652</b>	<b>16,897,892</b>	<b>15,230,504</b>
<b>DEFERRED OUTFLOWS OF RESOURCES</b>				
	<b>7,694,282</b>	<b>11,498,564</b>		
<b>LIABILITIES</b>				
Accounts payable	3,579,443	2,415,451	23,879	46,390
Accrued salaries	805,549	1,392,754		
Employee benefits	1,026,661	1,466,430		
Unearned revenue	1,943,846	1,882,436	39,440	46,153
Collateral held for securities lending	1,913,858	2,162,521		
Commercial paper	885,000	945,000		
Current portion of long-term debt	2,602,168	2,116,095		
Department of Energy laboratories' liabilities	189,122	206,827		
Other current liabilities	2,623,851	3,276,379	139,675	152,608
<b>Current liabilities</b>	<b>15,569,498</b>	<b>15,863,893</b>	<b>202,994</b>	<b>245,151</b>
Federal refundable loans	161,866	185,826		
Self-insurance	1,392,511	1,179,514		
Obligations under life income agreements	32,891	33,784	135,177	133,808
Long-term debt	32,853,607	32,868,786		
Net pension liability	20,385,317	21,403,045		
Net retiree health benefits liability	22,327,431	20,171,887		
Other noncurrent liabilities	881,779	957,282	44,130	39,251
<b>Noncurrent liabilities</b>	<b>78,035,402</b>	<b>76,800,124</b>	<b>179,307</b>	<b>173,059</b>
<b>Total liabilities</b>	<b>93,604,900</b>	<b>92,664,017</b>	<b>382,301</b>	<b>418,210</b>
<b>DEFERRED INFLOWS OF RESOURCES</b>				
	<b>9,494,694</b>	<b>11,430,376</b>	<b>210,622</b>	<b>202,841</b>
<b>NET POSITION</b>				
Net investment in capital assets	13,777,714	11,832,812		
Restricted:				
Nonexpendable: endowments and gifts	1,290,807	1,261,836	6,907,145	6,428,020
Nonexpendable: reserved for minority interests	45,436	45,366		
Expendable	11,639,236	11,526,450	8,067,172	7,191,936
Unrestricted	(26,782,482)	(24,204,641)	1,330,652	989,497
<b>Total net position</b>	<b>(\$29,289)</b>	<b>\$461,823</b>	<b>\$16,304,969</b>	<b>\$14,609,453</b>

See accompanying notes to financial statements.

UNIVERSITY OF CALIFORNIA  
**STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET POSITION**

Years ended June 30, 2023 and 2022 (in thousands of dollars)	UNIVERSITY OF CALIFORNIA		CAMPUS FOUNDATIONS	
	2023	2022	2023	2022
<b>OPERATING REVENUES</b>				
Student tuition and fees, net	\$5,514,899	\$5,440,530		
Grants and contracts, net:				
Federal	4,387,081	4,049,495		
State	793,594	775,898		
Private	1,984,963	1,829,799		
Local	449,279	400,317		
Medical centers, net	19,160,460	17,466,956		
Educational activities, net	5,889,864	5,350,956		
Auxiliary enterprises, net	1,850,937	1,646,591		
Department of Energy laboratories	1,147,115	1,031,233		
Campus foundation private gifts			\$2,241,726	\$1,980,697
Other operating revenues, net	1,024,373	903,906	2,165	791
<b>Total operating revenues</b>	<b>42,202,565</b>	<b>38,895,681</b>	<b>2,243,891</b>	<b>1,981,488</b>
<b>OPERATING EXPENSES</b>				
Salaries and wages	21,879,739	19,886,413		
Pension benefits	4,891,821	4,337,794		
Retiree health benefits	1,108,240	1,238,413		
Other employee benefits	5,213,015	4,615,318		
Supplies and materials	5,922,349	5,361,451		
Depreciation and amortization	2,829,698	2,694,875		
Department of Energy laboratories	1,104,266	990,713		
Scholarships and fellowships	892,943	1,182,024		
Utilities	529,740	463,127		
Campus foundation grants			1,846,139	1,528,788
Other operating expenses	6,797,133	6,569,494	50,307	44,230
<b>Total operating expenses</b>	<b>51,168,944</b>	<b>47,339,622</b>	<b>1,896,446</b>	<b>1,573,018</b>
<b>Operating income (loss)</b>	<b>(8,966,379)</b>	<b>(8,443,941)</b>	<b>347,445</b>	<b>408,470</b>
<b>NONOPERATING REVENUES (EXPENSES)</b>				
State educational appropriations	4,387,338	4,296,909		
State hospital fee grants	41,883	39,872		
Direct government grants	127,874	843,341		
Build America Bonds federal interest subsidies	53,834	52,385		
Federal Pell Grants	447,641	443,777		
Private gifts, net	1,825,635	1,736,613		
Investment income:				
Short term investment pool and other, net	711,486	112,827		
Endowment, net	302,891	136,149		
Securities lending, net	(8,420)	2,530		
Campus foundations			137,383	80,969
Net appreciation (depreciation) in fair value of investments	1,218,317	(3,148,849)	772,813	(1,217,490)
Interest expense	(1,158,643)	(1,130,050)		
Gain (loss) on disposal of capital assets	(58,211)	129,800		
Other nonoperating revenues	108,240	197,975	61	41
<b>Net nonoperating revenues (expenses)</b>	<b>7,999,865</b>	<b>3,713,279</b>	<b>910,257</b>	<b>(1,136,480)</b>
<b>Income (loss) before other changes in net position</b>	<b>(966,514)</b>	<b>(4,730,662)</b>	<b>1,257,702</b>	<b>(728,010)</b>
<b>OTHER CHANGES IN NET POSITION</b>				
Capital gifts and grants	339,658	311,160		
State capital appropriations	105,328	1,182		
Additions to permanent endowments	30,416	30,537	437,814	577,172
<b>Change in net position</b>	<b>(491,112)</b>	<b>(4,387,783)</b>	<b>1,695,516</b>	<b>(150,838)</b>
<b>NET POSITION</b>				
Beginning of year	461,823	4,849,606	14,609,453	14,760,291
<b>End of year</b>	<b>(\$29,289)</b>	<b>\$461,823</b>	<b>\$16,304,969</b>	<b>\$14,609,453</b>

See accompanying notes to financial statements.

**UNIVERSITY OF CALIFORNIA  
STATEMENTS OF CASH FLOWS**

Years ended June 30, 2023 and 2022 (in thousands of dollars)	UNIVERSITY OF CALIFORNIA		CAMPUS FOUNDATIONS	
	2023	2022	2023	2022
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>				
Student tuition and fees	\$5,512,640	\$5,427,086		
Grants and contracts	7,776,067	6,953,429		
Medical centers	18,680,849	17,298,084		
Educational activities	5,819,997	5,288,573		
Auxiliary enterprises	1,866,352	1,678,827		
Collection of loans from students and employees	8,681	89,744		
Campus foundation private gifts			\$1,655,810	\$1,345,547
Payments to employees	(23,214,793)	(20,359,569)		
Payments to suppliers and utilities	(12,948,944)	(11,847,058)		
Payments for pension benefits	(2,701,794)	(2,733,682)		
Payments for retiree health benefits	(432,897)	(409,295)		
Payments for other employee benefits	(4,254,948)	(4,021,009)		
Payments for scholarships and fellowships	(892,943)	(1,182,024)		
Loans issued to students and employees	(8,747)	(66,952)		
Payments to campuses and beneficiaries			(1,942,029)	(1,485,497)
Other receipts (payments)	(1,106,820)	(162,688)	260	80,157
<b>Net cash used by operating activities</b>	<b>(5,897,300)</b>	<b>(4,046,534)</b>	<b>(285,959)</b>	<b>(59,793)</b>
<b>CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES</b>				
State educational appropriations	4,411,505	4,319,931		
Federal Pell Grants	450,181	452,963		
Direct government grants	127,874	842,121		
State hospital fee grants	41,883	39,872		
Gifts received for other than capital purposes:				
Private gifts for endowment purposes	31,391	22,813	385,438	505,994
Other private gifts	1,831,605	1,722,772		
Receipt of retiree health contributions from UCRP	127,772	86,342		
Payment of retiree health contributions to UCRHBT	(169,201)	(96,028)		
Receipts from UCRHBT	416,594	404,992		
Payments for retiree health benefits made on behalf of UCRHBT	(433,424)	(418,025)		
Student direct lending receipts	531,156	526,203		
Student direct lending payments	(529,178)	(525,980)		
Proceeds from debt issuance		400,000		
Proceeds from line of credit			91,000	
Repayment of line of credit			(91,000)	
Commercial paper financing:				
Proceeds from issuance	807	3,698		
Payments of principal	(8,208)	(35,682)		
Interest paid on debt	(37,694)	(32,488)		
Other receipts	176,877	115,661	15,601	9,732
<b>Net cash provided by noncapital financing activities</b>	<b>6,969,940</b>	<b>7,829,165</b>	<b>401,039</b>	<b>515,726</b>
<b>CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES</b>				
Commercial paper financing:				
Proceeds from issuance	981,662	669,872		
Payments of principal	(1,034,262)	(62,888)		
Interest paid	(24,292)	(2,257)		
State capital appropriations	104,028	1,383		
Build America Bonds federal interest subsidies	75,124	33,570		
Capital gifts and grants	280,892	234,528		
Proceeds from debt issuance	3,566,604	3,453,201		
Proceeds from the sale of capital assets	11,698	1,816		
Purchase of capital assets	(4,115,155)	(3,293,353)		
Refinancing or prepayment of outstanding debt	(2,429,970)	(611,762)		
Scheduled principal paid on debt	(1,013,537)	(946,014)		
Interest paid on debt	(1,147,279)	(1,105,610)		
Other receipts	79,108	72,566		
<b>Net cash used by capital and related financing activities</b>	<b>(4,665,379)</b>	<b>(1,554,948)</b>		

See accompanying notes to financial statements.

UNIVERSITY OF CALIFORNIA  
**STATEMENTS OF CASH FLOWS** *continued*

Years ended June 30, 2023 and 2022 (in thousands of dollars)	UNIVERSITY OF CALIFORNIA		CAMPUS FOUNDATIONS	
	2023	2022	2023	2022
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>				
Proceeds from sales and maturities of investments	\$249,716,361	\$156,081,577	\$2,430,524	\$2,533,632
Purchase of investments	(247,548,563)	(158,112,202)	(2,967,923)	(2,831,462)
Investment income, net of investment expenses	894,164	205,640	119,088	80,827
<b>Net cash provided (used) by investing activities</b>	<b>3,061,962</b>	<b>(1,824,985)</b>	<b>(418,311)</b>	<b>(217,003)</b>
<b>Net change in cash and cash equivalents</b>	<b>(530,777)</b>	<b>402,698</b>	<b>(303,231)</b>	<b>238,930</b>
Cash and cash equivalents, beginning of year	1,080,765	678,067	575,601	336,671
<b>Cash and cash equivalents, end of year</b>	<b>\$549,988</b>	<b>\$1,080,765</b>	<b>\$272,370</b>	<b>\$575,601</b>
<b>RECONCILIATION OF OPERATING LOSS TO NET CASH USED BY OPERATING ACTIVITIES</b>				
Operating income (loss)	(\$8,966,379)	(\$8,443,941)	\$347,445	\$408,470
Adjustments to reconcile operating loss to net cash used by operating activities:				
Depreciation and amortization expense	2,829,698	2,694,875		
Noncash gifts			(136,643)	(319,875)
Allowance for uncollectible accounts	424,388	284,277	14,233	13,949
Loss on impairment of capital assets	45,090	50,496		
<i>Changes in assets and liabilities:</i>				
Investments held by trustees	(1,754)	4,488	(3,663)	(5,766)
Accounts receivable	(1,540,592)	(906,741)	755	344
Pledges receivable			(453,593)	(315,236)
Inventories	(14,724)	(33,913)		
Other assets	(190,932)	200,960	(26,561)	71,092
Accounts payable	129,048	350,980	(20,082)	28,581
Accrued salaries	(587,205)	224,071		
Employee benefits	(328,700)	(252,170)		
Unearned revenue	21,570	45,228	(8,518)	448
Department of Energy	(22,380)	(28,538)		
Self-insurance	(336,579)	472,747		
Obligations under life income agreements			275	(5,426)
Net pension liability	2,200,393	1,539,712		
Net retiree health benefits liability	596,235	748,675		
Other liabilities	(154,477)	(997,740)	393	63,626
<b>Net cash used by operating activities</b>	<b>(\$5,897,300)</b>	<b>(\$4,046,534)</b>	<b>(\$285,959)</b>	<b>(\$59,793)</b>
<b>SUPPLEMENTAL NONCASH ACTIVITIES INFORMATION</b>				
Capital assets acquired through leases	\$520,974	\$354,914		
Capital assets acquired through SBITAs	85,977	319,298		
Capital assets acquired with a liability at year end	208,072	57,734		
Change in fair value of interest rate swaps classified as hedging derivatives	67,016	65,117		
Gifts of capital assets	58,699	73,646		\$4,851
Other noncash gifts	19,889	61,743	\$182,846	318,803
Proceeds from issuance of blended component unit revenue bonds deposited with trustees		216,462		
Beneficial interests in irrevocable split-interest agreements administered by third parties	4,077	2,563	14,780	12,805
Noncash gifts for University-administered irrevocable split-interest agreements			2,650	14,820

See accompanying notes to financial statements.

**UNIVERSITY OF CALIFORNIA  
STATEMENTS OF FIDUCIARY NET POSITION**

At June 30, 2023 and 2022 (in thousands of dollars)	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM (UCRS)		UNIVERSITY OF CALIFORNIA RETIREE HEALTH BENEFIT TRUST (UCRHBT)		TOTAL UC RS AND UCRHBT	
	2023	2022	2023	2022	2023	2022
<b>ASSETS</b>						
Investments	\$118,799,215	\$109,139,801	\$176,766	\$164,240	\$118,975,981	\$109,304,041
Participants' interests in mutual funds	2,372,880	2,012,040			2,372,880	2,012,040
Investment of cash collateral	8,621,760	10,400,999			8,621,760	10,400,999
Participant 403(b) loans	202,344	195,668			202,344	195,668
Accounts receivable:						
Contributions from University and affiliates	69,525	194,140	31,674	29,889	101,199	224,029
Investment income	223,237	76,181			223,237	76,181
Security sales and other	904,019	692,710	825	167	904,844	692,877
Prepaid insurance premiums			2,799	2,563	2,799	2,563
<b>Total assets</b>	<b>131,192,980</b>	<b>122,711,539</b>	<b>212,064</b>	<b>196,859</b>	<b>131,405,044</b>	<b>122,908,398</b>
<b>LIABILITIES</b>						
Payable to University			19,240	17,385	19,240	17,385
Payable for securities purchased	562,797	190,619			562,797	190,619
Member withdrawals, refunds and other payables	164,675	758,163			164,675	758,163
Collateral held for securities lending	8,621,741	10,400,999			8,621,741	10,400,999
<b>Total liabilities</b>	<b>9,349,213</b>	<b>11,349,781</b>	<b>19,240</b>	<b>17,385</b>	<b>9,368,453</b>	<b>11,367,166</b>
<b>NET POSITION HELD IN TRUST</b>						
Members' defined benefit plan benefits	88,262,774	81,428,052			88,262,774	81,428,052
Participants' defined contribution plan benefits	33,580,993	29,933,706			33,580,993	29,933,706
Retiree health benefits			192,824	179,474	192,824	179,474
<b>Total net position held in trust</b>	<b>\$121,843,767</b>	<b>\$111,361,758</b>	<b>\$192,824</b>	<b>\$179,474</b>	<b>\$122,036,591</b>	<b>\$111,541,232</b>

*See accompanying notes to financial statements.*

UNIVERSITY OF CALIFORNIA  
**STATEMENTS OF FIDUCIARY NET POSITION** *continued*

	<b>CUSTODIAL EXTERNAL INVESTMENT POOL FUNDS</b>	
	<b>2023</b>	<b>2022</b>
<i>At June 30, 2023 and 2022 (in thousands of dollars)</i>		
<b>ASSETS</b>		
Investments	\$595,102	\$457,450
<b>Total assets</b>	<b>\$595,102</b>	<b>\$457,450</b>
<b>NET POSITION</b>		
Custodial external investment pool funds	595,102	457,450
<b>Total net position</b>	<b>\$595,102</b>	<b>\$457,450</b>

*See accompanying notes to financial statements.*

UNIVERSITY OF CALIFORNIA  
STATEMENTS OF CHANGES IN FIDUCIARY NET POSITION

Years ended June 30, 2023 and 2022 (in thousands of dollars)	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM (UCRS)		UNIVERSITY OF CALIFORNIA RETIREE HEALTH BENEFIT TRUST (UCRHTB)		TOTAL UC RS AND UCRHTB	
	2023	2022	2023	2022	2023	2022
<b>ADDITIONS</b>						
Contributions:						
Members and employees	\$3,196,194	\$3,016,947			\$3,196,194	\$3,016,947
University	2,927,174	2,992,564	\$371,631	\$355,137	3,298,805	3,347,701
<b>Total contributions</b>	<b>6,123,368</b>	<b>6,009,511</b>	<b>371,631</b>	<b>355,137</b>	<b>6,494,999</b>	<b>6,364,648</b>
Investment income (expense), net:						
Net appreciation (depreciation) in fair value of investments	5,808,449	(16,450,328)			5,808,449	(16,450,328)
Interest, dividends and other investment income	5,562,601	1,762,099	7,345	345	5,569,946	1,762,444
Securities lending income	336,928	40,940			336,928	40,940
Securities lending fees and rebates	(326,940)	(24,935)			(326,940)	(24,935)
<b>Net investment income (loss)</b>	<b>11,381,038</b>	<b>(14,672,224)</b>	<b>7,345</b>	<b>345</b>	<b>11,388,383</b>	<b>(14,671,879)</b>
<b>Total additions, net</b>	<b>17,504,406</b>	<b>(8,662,713)</b>	<b>378,976</b>	<b>355,482</b>	<b>17,883,382</b>	<b>(8,307,231)</b>
<b>DEDUCTIONS</b>						
Benefit payments:						
Retirement payments	3,363,060	3,181,330			3,363,060	3,181,330
Member withdrawals	141,026	173,892			141,026	173,892
Cost-of-living adjustments	797,574	683,885			797,574	683,885
Lump sum cash-outs	369,817	403,805			369,817	403,805
Preretirement survivor payments	59,756	58,363			59,756	58,363
Disability payments	24,853	26,717			24,853	26,717
Death payments	11,360	9,493			11,360	9,493
Participant withdrawals	2,174,893	1,923,293			2,174,893	1,923,293
<b>Total benefit payments</b>	<b>6,942,339</b>	<b>6,460,778</b>			<b>6,942,339</b>	<b>6,460,778</b>
Insurance premiums:						
Insured plans			148,974	136,317	148,974	136,317
Self-insured plans			179,276	175,189	179,276	175,189
Medicare Part B reimbursements			32,521	31,692	32,521	31,692
<b>Total insurance premiums, net</b>			<b>360,771</b>	<b>343,198</b>	<b>360,771</b>	<b>343,198</b>
Other deductions:						
Plan administration and other expenses	80,058	88,651	4,855	4,431	84,913	93,082
<b>Total other deductions</b>	<b>80,058</b>	<b>88,651</b>	<b>4,855</b>	<b>4,431</b>	<b>84,913</b>	<b>93,082</b>
<b>Total deductions</b>	<b>7,022,397</b>	<b>6,549,429</b>	<b>365,626</b>	<b>347,629</b>	<b>7,388,023</b>	<b>6,897,058</b>
<b>Change in net position held in trust</b>	<b>10,482,009</b>	<b>(15,212,142)</b>	<b>13,350</b>	<b>7,853</b>	<b>10,495,359</b>	<b>(15,204,289)</b>
<b>NET POSITION HELD IN TRUST</b>						
Beginning of year	111,361,758	126,573,900	179,474	171,621	111,541,232	126,745,521
<b>End of year</b>	<b>\$121,843,767</b>	<b>\$111,361,758</b>	<b>\$192,824</b>	<b>\$179,474</b>	<b>\$122,036,591</b>	<b>\$111,541,232</b>

See accompanying notes to financial statements.

UNIVERSITY OF CALIFORNIA  
**STATEMENTS OF CHANGES IN FIDUCIARY NET POSITION** *continued*

	<b>CUSTODIAL EXTERNAL INVESTMENT POOL FUNDS</b>	
Years ended June 30, 2023 and 2022 (in thousands of dollars)	<b>2023</b>	<b>2022</b>
<b>ADDITIONS</b>		
Contributions	\$254,217	\$97,438
Net appreciation in fair value of investments	227,363	10,681
Interest, dividends and other investment income	11,750	1,401
<b>Total additions</b>	<b>493,330</b>	<b>109,520</b>
<b>DEDUCTIONS</b>		
Withdrawals	355,678	173,459
<b>Total deductions</b>	<b>355,678</b>	<b>173,459</b>
<b>Change in net position</b>	<b>137,652</b>	<b>(63,939)</b>
<b>NET POSITION</b>		
Beginning of year	457,450	521,389
<b>End of year</b>	<b>\$595,102</b>	<b>\$457,450</b>

*See accompanying notes to financial statements.*

UNIVERSITY OF CALIFORNIA

# Notes to Financial Statements

*Years ended June 30, 2023 and 2022*

## **1. ORGANIZATION AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

### ***Organization***

The University of California (the University) was founded in 1868 as a public, state-supported institution. The California State Constitution provides that the University shall be a public trust administered by the corporation, "The Regents of the University of California," which is vested with full powers of organization and government, subject only to such legislative control necessary to ensure the security of its funds and compliance with certain statutory and administrative requirements. The majority of the 26-member independent governing board (The Regents) are appointed by the governor and approved by the state Senate. Various University programs and capital outlay projects are funded through appropriations from the state's annual Budget Act. The University's financial statements are discretely presented in the state's basic financial statements as a component unit.

### ***Financial Reporting Entity***

The University's financial statements include the 10 campuses, five medical centers, a statewide agricultural extension program and the operations of most student government or associated student organizations as part of the primary financial reporting entity because The Regents has certain oversight responsibilities for these organizations. Organizations that are not significant or for which the University is not financially accountable, such as booster and alumni organizations, are not included in the reporting entity.

Fiat Lux Risk and Insurance Company (Fiat Lux), the University's wholly owned captive insurance company, is a blended component unit of the University. The Regents is the sole corporate and voting member of Children's Hospital & Research Center at Oakland (CHRCO), a private, not-for-profit Internal Revenue Code section 501(c)(3) corporation. Children's Hospital & Research Center Foundation, a not-for-profit public benefit corporation, is organized and operated for the purpose of supporting CHRCO. CHRCO, combined with its foundation, is a blended component unit of the University. In addition, the financial position and operating results of certain other legally separate organizations are included in the University's financial reporting entity on a blended basis if The Regents is determined to be financially accountable for the organization. These include legally separate organizations that provide research and housing services entirely, or almost entirely, to the University or otherwise exclusively, or almost exclusively, to benefit the University.

The University has 11 legally separate, tax-exempt, affiliated foundations, one for each campus and the Lawrence Berkeley National Laboratory (LBNL). The economic resources received or held by the foundations are entirely for the benefit of the campuses. Because of the nature and significance of their relationship with the University, including their ongoing financial support, the campus foundations are reported under GASB requirements as discretely presented component units of the University.

Specific assets and liabilities and all revenues and expenses associated with LBNL, a major United States Department of Energy (DOE) national laboratory operated and managed by the University under contract directly with the DOE, are included in the accompanying financial statements.

The Regents has fiduciary responsibility for the UCRS, which includes two defined benefit plans, the University of California Retirement Plan (UCRP) and the University of California Voluntary Early Retirement Incentive Plan (UC-VERIP), and four defined contribution plans in the University of California Retirement Savings Program (UCRSP): the Defined Contribution Plan (DC Plan), the Supplemental Defined Contribution Plan (SDC Plan), the Tax-Deferred 403(b) Plan (403(b) Plan) and the 457(b) Deferred Compensation Plan (457(b) Plan). As a result, the UC RS statements of fiduciary net position and changes in fiduciary net position are shown as a fiduciary activity in the University's financial statements.

The Regents also has fiduciary responsibility for the UCRHBT. As a result, UCRHBT's statements of fiduciary net position and changes in fiduciary net position are shown as a fiduciary activity in the University's financial statements. UCRHBT allows certain University locations and affiliates, primarily campuses and medical centers that share the risks, rewards and costs of providing for retiree health benefits, the opportunity to fund such benefits on a cost-sharing basis and to accumulate funds on a tax-exempt basis under an arrangement segregated from University assets. The Regents serves as Trustee of UCRHBT and has the authority to amend or terminate the trust.

### ***Basis of Presentation***

The financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America, using the economic resources measurement focus and the accrual basis of accounting. The University follows accounting principles issued by the GASB.

Revenues are recorded when earned and expenses are recorded when a liability is incurred, regardless of the timing of related cash flows. As a public institution, the University is considered a special-purpose government engaged primarily in a business-type activity under the provisions of GASB Statements Nos. 34, *Basic Financial Statements — and Management's Discussion and Analysis — for State and Local Governments* and 35, *Basic Financial Statements — and Management's Discussion and Analysis — for Public Colleges and Universities — an amendment of GASB Statement No. 34*. Business type activities are those that are financed in whole or in part by fees charged to external parties for goods or services.

## **Adoption of Accounting Pronouncement**

In May 2020, the GASB issued Statement No. 96, *Subscription-Based Information Technology Arrangements* (GASB 96), effective for the University's fiscal year beginning July 1, 2022. Under this Statement, these arrangements result in a right-to-use intangible asset and a corresponding subscription liability.

The adoption of GASB 96 did not result in any adjustments to the financial statements of the campus foundations, UCFS, UCRHBT or the custodial external investment pool funds. Table 1.1 presents the effects of adopting GASB 96 in the University's financial statements for the year ended June 30, 2022. Upon adoption, the opening balances as of July 1, 2021, which were impacted by the effect of the adoption, were not restated because the effect of the adoption was not material to the University financial statements or disclosures.

**Table 1.1: Effects of Adopting GASB 96 for 2022**

	UNIVERSITY OF CALIFORNIA		
	AS PREVIOUSLY REPORTED	EFFECT OF ADOPTION OF GASB 96	AS RESTATED
(in thousands of dollars)			
<b>STATEMENT OF NET POSITION</b>			
<b>ASSETS</b>			
Other current assets	\$589,186	(\$17,721)	\$571,465
<b>Current assets</b>	<b>22,206,056</b>	<b>(17,721)</b>	<b>22,188,335</b>
Capital assets, net	41,675,440	217,984	41,893,424
<b>Noncurrent assets</b>	<b>70,651,333</b>	<b>217,984</b>	<b>70,869,317</b>
<b>Total assets</b>	<b>92,857,389</b>	<b>200,263</b>	<b>93,057,652</b>
<b>LIABILITIES</b>			
Current portion of long-term debt	2,051,945	64,150	2,116,095
Other current liabilities	3,274,835	1,544	3,276,379
<b>Current liabilities</b>	<b>15,798,199</b>	<b>65,694</b>	<b>15,863,893</b>
Long-term debt	32,744,372	124,414	32,868,786
<b>Noncurrent liabilities</b>	<b>76,675,710</b>	<b>124,414</b>	<b>76,800,124</b>
<b>Total liabilities</b>	<b>92,473,909</b>	<b>190,108</b>	<b>92,664,017</b>
<b>NET POSITION</b>			
Net investment in capital assets	11,804,936	27,876	11,832,812
Unrestricted net position	(24,186,920)	(17,721)	(24,204,641)
<b>Total net position</b>	<b>\$451,668</b>	<b>\$10,155</b>	<b>\$461,823</b>

**Table 1.1: Effects of Adopting GASB 96 for 2022** *continued*

(in thousands of dollars)	UNIVERSITY OF CALIFORNIA		
	AS PREVIOUSLY REPORTED	EFFECT OF ADOPTION OF GASB 96	AS RESTATED
<b>STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION</b>			
<b>OPERATING EXPENSES</b>			
Depreciation and amortization	\$2,626,612	\$68,263	\$2,694,875
Other operating expenses	6,651,594	(82,100)	6,569,494
<b>Total operating expenses</b>	<b>47,353,459</b>	<b>(13,837)</b>	<b>47,339,622</b>
<b>Operating loss</b>	<b>(8,457,778)</b>	<b>13,837</b>	<b>(8,443,941)</b>
<b>NONOPERATING REVENUES (EXPENSES)</b>			
Interest expense	(1,126,368)	(3,682)	(1,130,050)
<b>Net nonoperating revenues</b>	<b>3,716,961</b>	<b>(3,682)</b>	<b>3,713,279</b>
<b>Income before other changes in net position</b>	<b>(\$4,740,817)</b>	<b>\$10,155</b>	<b>(\$4,730,662)</b>
<b>Change in net position</b>	<b>(\$4,397,938)</b>	<b>\$10,155</b>	<b>(\$4,387,783)</b>
<b>STATEMENT OF CASH FLOWS</b>			
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>			
Payments to suppliers and utilities	(\$11,929,158)	\$82,100	(\$11,847,058)
<b>Net cash used by operating activities</b>	<b>(4,128,634)</b>	<b>82,100</b>	<b>(4,046,534)</b>
<b>CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES</b>			
Purchase of capital assets	(3,306,809)	13,456	(3,293,353)
Scheduled principal paid on debt and leases	(852,590)	(93,424)	(946,014)
Interest paid on debt and leases	(1,103,478)	(2,132)	(1,105,610)
<b>Net cash used by capital and related financing activities</b>	<b>(1,472,848)</b>	<b>(82,100)</b>	<b>(1,554,948)</b>
<b>RECONCILIATION OF OPERATING LOSS TO NET CASH USED BY OPERATING ACTIVITIES</b>			
Operating loss	(8,457,778)	13,837	(8,443,941)
Depreciation and amortization expense	2,626,612	68,263	2,694,875
<b>Net cash used by operating activities</b>	<b>(\$4,128,634)</b>	<b>82,100</b>	<b>(4,046,534)</b>
<b>SUPPLEMENTAL NONCASH ACTIVITIES INFORMATION</b>			
Capital assets acquired through SBITAs	\$0	\$319,298	\$319,298

## **Significant Accounting Policies**

The significant accounting policies of the University are as follows:

**Cash and cash equivalents.** The University and campus foundations consider all balances in demand deposit accounts to be cash.

The University classifies all other highly liquid cash equivalents with original maturities less than one year as short-term investments.

Certain campus foundations classify their deposits in the University's Short Term Investment Pool (STIP) as cash equivalents.

**Investments.** Investments are measured and reported at fair value. Securities are generally valued at the last sale price on the last business day of the fiscal year, as quoted on a recognized exchange or by utilizing an industry-standard pricing service, when available. Securities for which no sale was reported as of the close of the last business day of the fiscal year are valued at the quoted bid price of a dealer who regularly trades in the security being valued. Investment in non-exchange traded debt and equity investments are valued using inputs provided by independent pricing services or by brokers/dealers who actively trade in these markets. Certain securities may be valued on a basis of the price provided by a single source.

Investments also include private equities, private credit, absolute return funds, real estate, real asset and certain corporate asset-backed securities. Private equities include venture capital partnerships, buyouts, real assets and international funds. Fair values for interests in private equity, absolute return partnerships and real estate partnerships are based on valuations provided by the general partners of the respective partnerships. The valuations are primarily based on the most recent net asset value (NAV) of the underlying investments. The NAV is reported by the external investment managers, including general partners, in accordance with their policies as described in their respective financial statements and offering memoranda. The most recent NAV is adjusted for capital calls, distributions and significant known valuation changes, if any, of its related portfolio through June 30, 2023 and 2022.

Interests in certain direct investments in real estate and private credit are estimated based upon independent appraisals. Because the private equity, real estate, real assets and absolute return partnerships, along with direct investments in real estate, are not readily marketable, their estimated value is subject to uncertainty and, therefore, may differ significantly from the value that would be used had a ready market for such investments existed. These investments are generally less liquid than other investments.

For other investments, the University considers various factors to estimate fair value, such as the timing of the transaction, the market in which the company operates, comparable transactions, company performance and projections as well as discounted cash flow analysis. The selection of an appropriate technique may be affected by the availability and general reliability of relevant inputs. In some cases, one valuation technique may provide the best indication of fair value, while in other circumstances, multiple valuation techniques may be appropriate. Furthermore, the University may review the investment's underlying portfolio as well as engage external appraisers, depending on the nature of the investment.

The University exercises due diligence in assessing the external managers' use of and adherence to fair value principles. In conjunction with these procedures, estimated fair value is determined by consideration of a wide range of factors, including market conditions, redemption terms and restrictions and risks inherent to the inputs of the external investment managers' valuation. In situations where the information provided by the external manager is deemed to not be representative of the fair value as of the measurement date, management evaluates specific features of the investment and utilizes supplemental fair value information provided by the external manager along with any relevant market data to measure the investment's fair value.

Investments in registered investment companies are valued based upon the reported NAV of those companies. Mortgage loans held as investments are valued on the basis of their future principal and interest payments, and are discounted at prevailing interest rates for similar instruments. Insurance contracts are valued at contract value, plus reinvested interest, which approximates fair value.

Investments denominated in foreign currencies are translated into U.S. dollar equivalents using year-end spot foreign currency exchange rates. Purchases and sales of investments and their related income are translated at the rate of exchange on the respective transaction dates. Realized and unrealized gains and losses resulting from foreign currency changes are included in the University's statements of revenues, expenses and changes in net position.

Investment transactions are recorded on the date the securities are purchased or sold (trade date). Realized gains or losses are recorded as the difference between the proceeds from the sale and the average cost of the investment sold. Dividend income is recorded on the ex-dividend date and interest income is accrued as earned. Gifts of securities are recorded based on fair value at the date of donation.

Campus foundations may invest all or a portion of their investments in University-managed investment pools. Certain securities in these investment pools are included in the University's security lending program. Accordingly, the campus foundations' investments in University-managed investment pools and their allocated share of the securities lending activities have been excluded from the University's financial statements and included in the Campus Foundations' columns.

**Derivative financial instruments.** Derivative instruments are recorded at fair value. Futures contracts, foreign currency exchange contracts, stock rights and warrants, options and swaptions are valued at the settlement price on the last day of the fiscal year, as quoted on a recognized exchange or by utilizing an industry-standard pricing service, when available. Financial institutions or independent advisors have estimated the fair value of the interest rate swaps and total return swaps using quoted market prices when available or discounted expected future net cash flows.

The University has entered into interest rate swap agreements to limit the exposure of its variable-rate debt to changes in market interest rates. Interest rate swap agreements involve the exchange with a counterparty of fixed- and variable-rate interest payments periodically over the life of the agreement without exchange of the underlying notional principal amounts. The net differential to be paid or received is recognized over the life of the agreements as an adjustment to interest expense. The University's counterparties are major financial institutions.

Derivatives are recorded at estimated fair value as either assets or liabilities in the statements of net position. Certain derivatives are determined to be hedging derivatives and designated as either a fair value or cash flow hedge. Under hedge accounting, changes in the fair value of hedging derivatives are considered to be deferred inflows (for hedging derivatives with positive fair values) or deferred outflows (for hedging derivatives with negative fair values).

Changes in the fair value of derivatives that are not hedging derivatives are recorded as net appreciation or depreciation of investments in the statements of revenues, expenses and changes in net position.

**Accounts receivable, net.** Accounts receivable, net of allowance for uncollectible amounts, include reimbursements due from state and federal sponsors of externally funded research, patient billings, accrued income on investments and other receivables.

Other receivables include local government and private grants and contracts, educational activities and amounts due from lessees, students, employees and faculty.

**Pledges receivable, net.** Unconditional pledges of private gifts to the University or campus foundations, net of allowance for uncollectible amounts, are recorded as pledges receivable and revenue in the year promised at the net present value of expected cash flows. Conditional pledges, including all pledges of endowments and intentions to pledge, are recognized as receivables and revenues when the specified conditions are met.

**Beneficial interests in irrevocable split-interest agreements.** The beneficial interests in irrevocable split-interest agreements represent the University's and the campus foundations' right to the portion of the benefits from the irrevocable split-interest agreements that are administered by third parties and are recognized as assets and deferred inflows of resources. These beneficial interests are measured at fair value and are reported as other noncurrent assets in the statements of net position. Changes in the fair value of the beneficial interest assets are recognized as an increase or decrease in the related deferred inflows of resources. At the termination of the agreement, net assets received from the beneficial interests are recognized as revenues.

**Notes and mortgages receivable, net.** Loans to students, net of allowance for uncollectible amounts, are provided from federal student loan programs and from other University sources. Home mortgage loans, primarily to faculty, are funded from the University's STIP and from other University sources. Mortgage loans funded by STIP are classified as investments, and loans provided by other sources are classified as mortgages receivable in the statements of net position.

**Inventories.** Inventories for the campuses, consisting primarily of supplies and merchandise for resale, are valued at cost, typically determined under the weighted average method, which is not in excess of estimated net realizable value. Inventories for the medical centers consist primarily of pharmaceuticals and medical supplies which are stated on a first-in, first-out basis at the lower of cost or market.

**DOE national laboratories.** The University operates and manages LBNL under a contract directly with the DOE. Specific assets and liabilities and all revenues and expenses associated with LBNL are included in the financial statements. Other assets, such as cash, property and equipment and other liabilities of LBNL are owned by the United States government rather than the University and, therefore, are not included in the statements of net position. The statements of cash flows exclude the cash flows associated with LBNL other than reimbursements, primarily related to pension and retiree health benefits, since all other cash transactions are recorded in bank accounts owned by the DOE.

The University is a member in two separate joint ventures that operate and manage two other DOE laboratories under contracts directly with the DOE. Lawrence Livermore National Security, LLC (LLNS) operates and manages Lawrence Livermore National Laboratory (LLNL). Triad National Security, LLC (Triad) operates and manages Los Alamos National Laboratory (LANL). The University's investments in Triad and LLNS are accounted for using the equity method. Accordingly, the University's statements of net position include its equity interest in Triad and LLNS, adjusted for the equity in undistributed earnings or losses and the statements of revenues, expenses and changes in net position include its equity in the current earnings or losses of Triad and LLNS.

The DOE is financially responsible for substantially all of the current and future costs incurred at any of the national laboratories, including pension and retiree health benefit costs. Accordingly, to the extent there are liabilities on the University's statements of net position for pension or retiree health obligations related to these laboratories, the University also records a receivable from the DOE.

**Capital assets, net.** Land, infrastructure, buildings and improvements, intangible assets, equipment, libraries, collections and special collections are recorded at cost at the date of acquisition, or estimated acquisition value at the date of donation in the case of gifts. Estimates of acquisition value involve assumptions and estimation methods that are uncertain and, therefore, the estimates could differ from actual value. Intangible assets include easements, land rights, trademarks, patents, right-to-use lease assets, right-to-use subscription-based information technology arrangement (SBITA) assets and other similar arrangements. Leases and SBITAs are recorded at the estimated present value of future payments, net of amounts paid in advance and capitalizable implementation costs. Significant additions, replacements, major repairs and renovations to infrastructure and buildings are generally capitalized if the cost equals or exceeds \$35,000 and if they have a useful life of more than one year. Minor renovations are considered operating expenses. Equipment with a cost equal to or in excess of \$5,000 and a useful life of more than one year is capitalized. Incremental costs, including salaries and employee benefits, directly related to the acquisition, development and installation of major software projects are included in the cost of the capital assets. All costs of land, library collections and special collections are capitalized.

Depreciation is calculated using the straight-line method over the estimated useful life of the asset. Assets under leases and SBITAs are amortized over the shorter of the lease or subscription term or the estimated useful life of the asset. Leasehold improvements are amortized using the straight-line method over the shorter of the life of the applicable lease or the useful life of the asset.

Estimated useful lives are shown in Table 1.2:

**Table 1.2: Estimated Useful Lives**

	YEARS
Infrastructure	25
Buildings and improvements	15–33
Equipment	2–20
Computer software	3–7
Intangible assets	2–indefinite
Library books and collections	15

Capital assets acquired through federal grants and contracts where the federal government retains a reversionary interest are also capitalized and depreciated.

Inexhaustible capital assets, such as land or special collections that are protected, preserved and held for public exhibition, education or research, including art, museum, scientific and rare book collections are not depreciated.

**Service concession arrangements.** The University has entered into service concession arrangements with third parties for parking, student housing and certain other faculty and student services. Under these arrangements, the University enters into ground leases with third parties at minimal or no cost, and gives the third party the right to construct, operate and maintain a facility, primarily for the benefit of students and faculty at competitive rates. Rate increases for use of the facilities are subject to certain constraints, and ownership of the facilities reverts to the University upon expiration of the ground lease. The facilities are reported as capital assets by the University when placed in service, and a corresponding deferred inflow of resources is reported. The University has not provided guarantees on financing obtained by the third parties under these arrangements.

**Unearned revenue.** Unearned revenue primarily includes amounts received from grant and contract sponsors that have not been earned under the terms of the agreement and other revenue billed in advance of the event, such as student tuition and fees for housing and dining services.

**Federal refundable loans.** Certain loans to students are administered by the University with funding primarily supported by the federal government. The University's statements of net position include both the notes receivable and the related federal refundable loan liability representing federal capital contributions owed.

**Bond premium.** The bond premium received in the issuance of long-term debt is amortized as a reduction to interest expense over the term of the related long-term debt.

**Self-insurance programs.** The University is self-insured or insured through Fiat Lux for medical malpractice, workers' compensation, employee health care and general liability claims. These risks are subject to various claim and aggregate limits, with excess liability

coverage provided by independent insurers. Liabilities are recorded when it is probable a loss has occurred and the amount of the loss can be reasonably estimated. These losses include an estimate for claims that have been incurred, but not reported. The estimated liabilities are based upon an independent actuarial determination of the present value of the anticipated future payments. Settlements did not exceed self-insured or supplemental insured coverage for any program in the past three fiscal years.

**Obligations under life income agreements.** Obligations under life income agreements represent trusts with living income beneficiaries where the University has a residual interest. The investments associated with these agreements are recorded at fair value. The discounted present value of the income beneficiary interest is reported as a liability in the statements of net position. Gifts subject to such agreements administered by the University are recorded as deferred inflows of resources, net of the income beneficiary share, at the date of the gift. At the termination of the agreement, the University's residual interest is recorded as gift revenue in the statements of revenues, expenses and changes in net position.

**Pollution remediation obligations.** Upon an obligating event, the University estimates the components of any expected pollution remediation costs and recoveries from third parties. The costs, estimated using the expected cash flow technique, are accrued as a liability. Pollution remediation liabilities generally involve groundwater, soil and sediment contamination at certain sites where state and other regulatory agencies have indicated that the University is among the responsible parties. The liabilities are reviewed annually and may increase or decrease the cost of recovery from third parties, if any, as a result of additional information that refines the estimates, or from payments made from revenue sources that support the activity. There were no expected recoveries at June 30, 2023 and 2022 reducing the pollution remediation liability.

**Asset retirement obligations.** Upon an obligating event, the University records the costs of any expected tangible capital asset retirement obligations using the best estimate of the current value of outlays expected to be incurred. The liabilities are reviewed annually and may change as a result of additional information that refines the estimates. Actual asset retirement obligation costs may vary from these estimates as a result of changes in assumptions such as asset retirement dates, regulatory requirements, technology and costs of labor, materials and equipment. The estimated remaining useful lives of these assets range from 2 to 27 years.

**Deferred outflows of resources and deferred inflows of resources.** Deferred outflows of resources and deferred inflows of resources represent a consumption and acquisition of net position that apply to a future period, respectively. The University classifies gains on refunding of debt, increases in the fair value of hedging derivatives, payments received or to be received from service concession arrangements, changes in irrevocable split-interest agreements and certain lease payments to be received as deferred inflows of resources. The University classifies losses on refunding of debt, decreases in the fair value of hedging derivatives and certain asset retirement obligations as deferred outflows of resources. Gains or losses on refunding of debt are amortized as a component of interest expense over the remaining life of the old debt, or the new debt, whichever is shorter. Asset retirement obligations are recognized over the remaining useful life of the related asset. Revenues from split interest agreements are recognized when the resources become available to spend. Lease revenues are recognized over the lease term.

Changes in the net pension and net retiree health liabilities not included in expenses are reported as deferred outflows of resources or deferred inflows of resources. Employer contributions subsequent to the measurement date of the net pension and retiree health liabilities are reported as deferred outflows of resources.

**Net position.** Net position is required to be classified for accounting and reporting purposes into the following categories:

*Net investment in capital assets.* This category includes all of the University's capital assets, net of accumulated depreciation, reduced by outstanding debt attributable to the acquisition, construction or improvement of those assets.

*Restricted.* The University and campus foundations classify the net position resulting from transactions with purpose or time restrictions as restricted net position until the specific resources are used for the required purpose or for as long as the provider requires the resources to remain intact.

*Nonexpendable.* The net position subject to externally imposed restrictions, which must be retained in perpetuity by the University or campus foundations, is classified as restricted nonexpendable. This includes the University and campus foundation permanent endowment funds.

Also included in restricted nonexpendable net position are minority interests, which include the net position of legally separate organizations attributable to other participants.

*Expendable.* The net position whose use by the University or campus foundations is subject to externally imposed restrictions that can be fulfilled by actions of the University or campus foundations pursuant to those restrictions or that expire by the passage of time is classified as restricted expendable.

*Unrestricted.* The net position that is not subject to externally imposed restrictions governing its use is classified as unrestricted. The University's unrestricted net position may be designated for specific purposes by management or The Regents. The campus foundations' unrestricted net position may be designated for specific purposes by their Boards of Trustees. Substantially all of the University's unrestricted net position is allocated for academic and research initiatives or programs, for capital programs or for other purposes.

Restricted or unrestricted resources are spent based upon a variety of factors, including funding restrictions, consideration of prior and future revenue sources, the type of expense incurred, the University's budgetary policies surrounding the various revenue sources or whether the expense is a recurring cost. Unrestricted net position is negative due primarily to liabilities for pension and retiree health benefits exceeding University assets available to pay such obligations.

**Revenues and expenses.** Operating revenues of the University include receipts from student tuition and fees, grants and contracts for specific operating activities and sales and services from medical centers, educational activities and auxiliary enterprises. Expenses incurred in conducting the programs and services of the University are presented in the statements of revenues, expenses and changes in net position as operating activities. The University's equity in current earnings or losses of Triad and LLNS is also considered operating.

Certain significant revenues relied upon and budgeted for fundamental operational support of the primary mission of the University are mandated by GASB to be recorded as nonoperating revenues, including state educational appropriations, certain federal grants for student financial aid, private gifts and investment income, since GASB does not consider them to be related to the principal operating activities of the University.

Nonoperating revenues and expenses also include state financing appropriations, state hospital fee grants, direct government grants from the American Rescue Plan Act (ARPA), Coronavirus Aid, Relief, and Economic Security Act (CARES Act), Build America Bond federal interest subsidies, net appreciation (or depreciation) in the fair value of investments, interest expense and the gain (loss) on the disposal of capital assets.

The University received grants under certain provisions of the ARPA and CARES Act, reported as nonoperating revenues, to minimize the impacts of lost revenues and increased expenses related to COVID-19. The campuses received grants under the Higher Education Emergency Relief Fund (HEERF) to provide emergency financial aid to students and to mitigate the impacts of lost revenue and additional technology expenses associated with moving to online education. For the year ended June 30, 2022, the medical centers and the faculty practices received grants under the CARES Act Provider Relief Fund for lost revenues and health care related expenses related to operational changes to prepare for treating patients with COVID-19.

Campus foundations are established to financially support the University. Private gifts to campus foundations are recognized as operating revenues since, in contrast to the University, such contributions are fundamental to the primary mission of the campus foundations. Foundation grants to the University are recognized as operating expenses by the foundations. Private gift or capital gift revenues associated with campus foundation grants to the University are recorded by the University as gifts when the foundations transfer the gifts to the University.

State capital appropriations, capital gifts and grants and gifts for permanent endowment purposes are classified as other changes in net position.

**Student tuition and fees.** Substantially all student tuition and fees provide for the current operations of the University. A small portion of the student fees, reported as capital gifts and grants, is required for debt service associated with student unions and recreational centers.

The University recognizes scholarship allowances as the difference between the stated charge for tuition and fees, housing and dining charges, recreational center and other fees, and the amount that is paid by the student and third parties on behalf of the student. Payments of financial aid made directly to students are classified as scholarship and fellowship expenses.

Scholarship allowances are netted against student tuition and fees in the statements of revenues, expenses and changes in net position for the years ended June 30 as shown in Table 1.3:

**Table 1.3: Scholarship Allowances**

(in thousands of dollars)	2023	2022
Student tuition and fees	\$1,448,823	\$1,438,784
Auxiliary enterprises	317,042	277,501
Other operating revenues	17,794	19,318
<b>Scholarship allowances</b>	<b>\$1,783,659</b>	<b>\$1,735,603</b>

**State appropriations.** The state of California provides appropriations to the University on an annual basis. State educational appropriations are recognized as nonoperating revenue; however, the related expenses for educational, retirement or other specific operating purposes are reported as operating expenses. State appropriations for capital projects are recorded as revenue under other changes in net position when the related expenditures are incurred. Special state appropriations for research related to AIDS, tobacco and breast cancer are reported as state grants and contracts operating revenue.

**Grant and contract revenue.** The University receives grant and contract revenue from governmental and private sources. The University recognizes revenue associated with the direct costs of sponsored programs as the related expenditures are incurred. Recovery of facilities and administrative costs of federally sponsored programs is at cost reimbursement rates negotiated with the University's federal cognizant agency, the U.S. Department of Health and Human Services. For the year ended June 30, 2023, the facilities and administrative cost recovery totaled \$1.6 billion, which consisted of \$1.1 billion from federally sponsored programs and \$509.9 million from other sponsors. For the year ended June 30, 2022, the facilities and administrative cost recovery totaled \$1.4 billion, which consisted of \$981.0 million from federally sponsored programs and \$444.9 million from other sponsors.

**Medical center revenue.** Medical center revenue is reported at the estimated net realizable amounts from patients and third-party payors, including Medicare, Medi-Cal and others, for services rendered, as well as estimated retroactive adjustments under reimbursement agreements with third-party payors. Laws and regulations governing Medicare and Medi-Cal are complex and subject to interpretation. Retroactive adjustments are accrued on an estimated basis in the period the related services are rendered and adjusted in future periods as final settlements are determined. It is reasonably possible that estimated amounts accrued could change significantly based upon settlements, or as additional information becomes available.

**Net pension liability.** The University records a net pension liability for its defined benefit plans. The net pension liability is measured as the total pension liability, less the amount of the pension plans' fiduciary net positions. The fiduciary net position and changes in net position of the defined benefit plans have been measured consistent with the accounting policies used by the plans. The total pension liability is determined based upon discounting projected benefit payments based on the benefit terms and legal agreements existing at the pension plan's fiscal year end. Projected benefit payments are discounted using a single rate that reflects the expected rate of return on investments, to the extent that plan assets are available to pay benefits, and a tax-exempt, high-quality municipal bond rate when plan assets are not available.

Pension expense is recognized for benefits earned during the period, interest on the unfunded liability and changes in benefit terms. The differences between expected and actual experience and changes in assumptions about future economic or demographic factors are reported as deferred inflows or outflows and are recognized over the average expected remaining service period for employees eligible for pension benefits. The differences between expected and actual returns are reported as deferred inflows or outflows and are recognized over five years.

Both current employees and retirees at LBNL participate in UCRP. The University makes contributions to UCRP for LBNL employees based upon rates authorized by The Regents and is reimbursed by the DOE. The University also makes contributions to UCRP for LANL and LLNL retirees and terminated vested members, whose benefits were retained in UCRP at the time the joint ventures were formed. The University records a receivable for the net pension liability that is expected to be collected from the DOE. The University deposits funds in UCRP when the DOE makes payments for these contributions. The contributions from the DOE and deposits into UCRP on behalf of the DOE are included as DOE laboratory revenue in the statements of revenues, expenses and changes in net position.

**Retiree health benefits and liability.** The University's net retiree health benefits liability is measured as the total retiree health benefits liability, less the amount of the UCRHBT's fiduciary net position. The fiduciary net position and changes in net position of UCRHBT have been measured consistent with the accounting policies used by the trust. The total retiree health benefits liability is determined based upon discounting projected benefit payments based on the benefit terms and legal agreements existing at the health benefit trust's fiscal year end. Projected benefit payments are discounted using a single rate that reflects the expected rate of return on investments, to the extent that plan assets are available to pay benefits, and a tax-exempt, high-quality municipal bond rate when plan assets are not available.

Expense for retiree health benefits is recognized for benefits earned during the period, interest on the unfunded liability and changes in benefit terms. The differences between expected and actual experience and changes in assumptions about future economic or demographic factors are reported as deferred inflows or outflows and are recognized over the average expected remaining service period for employees eligible for retiree health benefits. The differences between expected and actual returns are reported as deferred inflows or outflows and are recognized over five years.

LBNL participates in the University's retiree health plans. The net retiree health benefits liability for LBNL is determined independently from the University's campuses and medical centers. Retiree health benefits expense for LBNL is included within the DOE laboratory expense, and the contributions from the DOE are included as DOE laboratory revenue in the statements of revenues, expenses and changes in net position.

The University records a receivable from the DOE for the DOE's portion of the University's net retiree health benefits liability attributable to LBNL. The University does not have any retiree health benefits liability for LANL or LLNL retiree health benefit costs since their current or former employees do not participate in the University's retiree health plans.

Campus and medical center contributions toward retiree health costs made to UCRHBT, the University's LBNL-related payments made directly to health care insurers and administrators and the corresponding reimbursements from the DOE are shown as operating activities in the statements of cash flows. Cash flows resulting from retiree health contributions from retirees are shown as noncapital financing activities in the statements of cash flows.

**University of California Retiree Health Benefit Trust.** UCRHBT receives the University's contributions toward retiree health benefits from campuses, medical centers and University affiliates. The University receives retiree health contributions from University affiliates and campus and medical center retirees that are deducted from their UCRP benefit payments and then remitted to UCRHBT.

The University acts as a third-party administrator on behalf of UCRHBT and pays health care insurers and administrators amounts currently due under the University's retiree health benefit plans for retirees. UCRHBT reimburses the University for these amounts.

Since LBNL does not participate in UCRHBT, the DOE has no interest in its assets.

**Compensated absences.** The University accrues annual leave, including employer-related costs, for employees at rates based upon length of service and job classification and compensatory time based upon job classification and hours worked.

**Endowment spending.** Under provisions of California law, the Uniform Prudent Management of Institutional Funds Act allows for investment income, as well as a portion of realized and unrealized gains, to be expended for the operational requirements of University programs.

**Custodial external investment pool funds.** Custodial funds represent assets held in the University's investment pools on behalf of associated organizations that are not part of the University's financial reporting entity. As a result, these funds are reported as fiduciary activities in the University's financial statements.

**Tax exemption.** The University is recognized as a tax-exempt organization under Section 501(c)(3) of the Internal Revenue Code (IRC), except for tax on unrelated business income under IRC Section 511. The University is also exempt from federal income tax under IRC Section 115(a) as a state institution. In addition, the University is exempt from state income taxes imposed under the California Revenue and Taxation Code. UCFS plans are qualified under IRC Section 401(a) and the related trusts are tax-exempt under Section 501(c)(3). The campus foundations are also qualified for tax exemption under IRC Section 501(c)(3). CHRCO and its component unit, the Children's Hospital and Research Center Foundation, are qualified for exemption under IRC Section 501(c)(3). Income received by UCRHBT is tax-exempt under IRC Section 115(a).

**Use of estimates.** The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenditures during the reporting period. Although management believes the estimates and assumptions are reasonable, they are based upon information available at the time the estimate or judgment is made and actual amounts could differ from those estimates.

## **New accounting pronouncements**

In April 2022, the GASB issued Statement No. 99, *Omnibus 2022* (GASB 99). The Statement addresses issues that have been identified during implementation and application of certain GASB Statements. Upon the issuance of GASB 99, The University adopted the requirements related to extension of the use of London Interbank Offered Rate (LIBOR), accounting for Supplemental Nutrition Assistance Program (SNAP) distributions, disclosures of non-monetary transactions, pledges of future revenues by pledging governments, clarification of certain provisions in GASB 34, as amended, and terminology updates related to GASB 53 and GASB 63. The requirements related to leases, public-private and public-public partnerships (PPPs), and subscription-based information technology arrangements (SBITAs) have been adopted by the University, and are effective for the University's fiscal year 2023. The requirements related to financial guarantees and the classification and reporting of derivative instruments within the scope of GASB 53 are effective for the University's fiscal year 2024. The University is evaluating the effect these requirements will have on its financial statements.

In June 2022, the GASB issued Statement No. 100, *Accounting Changes and Error Corrections — an amendment of GASB Statement No. 62* (GASB 100), effective for the University's fiscal year beginning July 1, 2023. The Statement requires disclosures of descriptive information about accounting changes and error corrections and addresses how information that is affected by a change in accounting principle or error correction should be presented in required supplementary information and supplementary information. As GASB Statement No. 100 is based on an unknown possible future event, materiality cannot be determined. The University will continue to evaluate for any potential impact in the future.

In June 2022, the GASB issued Statement No. 101, *Compensated Absences* (GASB 101), effective for the University's fiscal year beginning July 1, 2024. The Statement replaces Statement No. 16, *Accounting for Compensated Absences*, to align recognition and measurement guidance for all types of compensated absences under a unified model. This Statement requires that liabilities for compensated absences be recognized for (1) leave that has not been used and (2) leave that has been used but not yet paid in cash or settled through noncash means. The Statement also establishes guidance for measuring a liability for leave that has not been used. As of June 30, 2023, the University reported compensated absences liability of \$1.3 billion. Under GASB 101, the University's compensated absences liability is expected to increase. The University is evaluating the full effect that GASB 101 will have on its financial statements.

## **2. CASH AND CASH EQUIVALENTS**

The University maintains centralized management for substantially all of its cash and cash equivalents. Cash in demand deposit accounts is minimized by sweeping available cash balances into investment accounts on a daily basis.

Under University policy, deposits are only held at financial institutions that maintain an issuer rating on long-term debt of A3 or higher by Moody's Investors Service (Moody's), A- or higher by Standard & Poors (S&P) or an Asset Peer Group rating of 65 or higher as defined by Sheshunoff Bank Rating Reports. At June 30, 2023 and 2022, the carrying amount of the University's cash and cash equivalents, generally held in five nationally recognized banking institutions, was \$0.6 billion and \$1.1 billion, respectively, compared to bank balances of \$257.7 million and \$300.0 million, respectively. Deposits in transit and cash awaiting investment are the primary differences. The University's deposits are uninsured and uncollateralized except for bank balances insured by the Federal Deposit Insurance Corporation (FDIC) up to applicable statutory limits.

The University does not have significant exposure to foreign currency risk in demand deposit accounts. Accounts held in foreign countries maintain minimum operating balances with the intent to reduce potential foreign exchange risk while providing an adequate level of liquidity to meet the obligations of the academic programs established abroad. The equivalent U.S. dollar balances required to support research groups and education abroad programs in foreign countries was \$20.2 million at June 30, 2023 and \$25.0 million at June 30, 2022.

The carrying amount of the campus foundations' cash and cash equivalents at June 30, 2023 and 2022 was \$272.4 million and \$575.6 million, respectively, compared to bank balances of \$94.6 million and \$197.7 million, respectively. Deposits in transit and cash awaiting investment are the primary differences. Included in cash and cash equivalents are deposits in the University's Short Term Investment Pool of \$176.7 million at June 30, 2023 and \$377.7 million at June 30, 2022, with the remaining uncollateralized bank balances insured by the Federal Deposit Insurance Corporation (FDIC) up to applicable statutory limits. Uncollateralized bank balances include \$44.9 million and \$96.3 million in excess of the FDIC limits at June 30, 2023 and 2022, respectively. The campus foundations do not have exposure to foreign currency risk in their cash and cash equivalents. Included in the campus foundations' cash and cash equivalents is \$3.7 million and \$13.2 million, as of June 30, 2023 and 2022, respectively, held by the respective foundations in STIP.

### **3. INVESTMENTS**

The Regents, as the governing board of the University, is responsible for the oversight of the University's, UCRS' and UCRHBT's investments and establishes an investment policy, which is carried out by the Chief Investment Officer (CIO). These investments are associated with Short Term Investment Pool (STIP), Total Return Investment Pool (TRIP), Blue and Gold Pool (BGP), General Endowment Pool (GEP), UCRS, UCRHBT and other investment pools managed by the CIO, or are separately invested. Pursuant to The Regents' policies on campus foundations, the Board of Trustees for each campus foundation may determine that all or a portion of their investments will be managed by the CIO. Asset and Risk Allocation Policy guidelines are provided to the campus foundations by the Investments Committee of The Regents.

STIP allows participants to maximize the returns on their short-term cash balances by taking advantage of the economies of scale of investing in a large pool with a broad range of maturities and is managed to maximize current earned income. Cash to provide for payroll, construction expenditures and other operating expenses for campuses and medical centers is invested in STIP. The available cash in UCRS or endowment investment pools awaiting investment, or cash for administrative expenses, is also invested in STIP.

Investments authorized by The Regents for STIP include fixed-income securities with a maximum maturity of three years. In addition, for STIP, The Regents has also authorized loans, primarily to faculty members residing in California, under the University's Mortgage Origination Program with terms of up to 40 years.

TRIP allows participants the opportunity to maximize the return on their intermediate-term working capital by taking advantage of the economies of scale of investing in a large pool across a broad range of asset classes. TRIP is managed to a total return objective and is intended to supplement STIP. Investments authorized by The Regents for TRIP include a diversified portfolio of equity, fixed-income and alternative investments.

BGP is an investment pool whose objective is to provide a low-cost, liquid, diversified investment vehicle to invest long-term excess reserves to earn a higher return than would otherwise be expected from STIP and TRIP. To achieve liquidity, transparency and minimal expense, a passive investment strategy in equities and bonds is used.

GEP is an investment pool in which a large number of individual endowments participate in order to benefit from diversification and economies of scale. GEP is a balanced portfolio and the primary investment vehicle for endowed gift funds. Where donor agreements place constraints on allowable investments, assets associated with endowments are invested in accordance with the terms of the agreements.

Other investment pools primarily facilitate annuity and life income arrangements. Separate investments are those that cannot be pooled due to investment restrictions or income requirements.

Investments authorized by The Regents for BGP, GEP, UCRS, other investment pools and separate investments include equity securities, fixed-income securities and certain other asset classes. The equity portion of the investment portfolios include both domestic and foreign common and preferred stocks which may be included in actively or passively managed strategies, along with exposure to private equities. The University's investment portfolios may include foreign currency-denominated equity securities. The fixed-income portion of the investment portfolios may include both domestic and foreign securities, along with certain securitized investments, including mortgage-backed and asset-backed securities. Fixed-income investment guidelines permit the use of futures and options on fixed-income instruments in the ongoing management of the portfolios. Real estate investments are authorized for all pools except STIP. Absolute return strategies, which may incorporate short sales, plus derivative positions to implement or hedge an investment position, are also authorized for all pools except STIP.

Derivative instruments, including futures, forward contracts, options and swap contracts are authorized for portfolio rebalancing in accordance with The Regents' asset allocation policy and as substitutes for physical securities. Derivatives are not used for speculative purposes.

The Regents has also authorized certain employee account balances in defined contribution plans included as part of UCRS' investments to be invested in mutual funds. The participants' interests in mutual funds are not managed by the CIO and totaled \$2.4 billion and \$2.0 billion at June 30, 2023 and 2022, respectively.

Investments authorized by The Regents for the UCRHBT are restricted to a portfolio of high-quality money market instruments in a commingled fund that is managed externally. The average credit quality of the portfolio is A-1/P-1 with an average maturity of 15 days and 14 days at June 30, 2023 and 2022, respectively. The fair values of UCRHBT's investment in this portfolio were \$176.8 million and \$164.2 million at June 30, 2023 and 2022, respectively. These are measured at net asset value as of June 30, 2023 and 2022, respectively.

The composition of investments, by investment type at June 30 is shown in Table 3.1:

**Table 3.1: Composition of Investments By Investment Type**

	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM
(in thousands of dollars)	2023	2022	2023	2022	2023	2022
<b>Equity securities</b>	<b>\$15,479,559</b>	<b>\$12,242,327</b>	<b>\$85,519</b>	<b>\$180,715</b>	<b>\$58,291,786</b>	<b>\$50,442,124</b>
Fixed- or variable-income securities:						
U.S. government-guaranteed:						
U.S. Treasury bills, notes and bonds	6,369,175	5,727,621	546,959	247,386	6,043,002	5,260,326
U.S. Treasury strips	494,506	497,890	220	233	273,583	274,119
U.S. TIPS			1,961		1,345,010	1,439,960
U.S. government-backed securities			9,189	10,706		3,000
U.S. government-backed mortgage-backed securities			6,684	7,567	291,765	308,249
<b>U.S. government-guaranteed</b>	<b>6,863,681</b>	<b>6,225,511</b>	<b>565,013</b>	<b>265,892</b>	<b>7,953,360</b>	<b>7,285,654</b>
Other U.S. dollar-denominated:						
Corporate bonds	1,842,575	1,719,062	218,795	185,303	5,101,068	5,354,358
Commercial paper	5,736,866	4,752,465	0			
U.S. agencies	2,454,450	4,366,622	8,115	982	3,349,663	3,635,557
U.S. agencies - asset-backed securities	1,096	1,424	66,824	111,537	1,044,556	1,203,920
Corporate - asset-backed securities			17,865	29,513	28,918	47,678
Supranational/foreign	959,302	870,170	0		2,436,884	2,898,165
Other	2,620	3,197	58,773	13,308	18,591	25,123
<b>Other U.S. dollar-denominated</b>	<b>10,996,909</b>	<b>11,712,940</b>	<b>370,372</b>	<b>340,643</b>	<b>11,979,680</b>	<b>13,164,801</b>
Foreign currency-denominated:						
Government/sovereign			934	923		
<b>Foreign currency-denominated</b>			<b>934</b>	<b>923</b>		
Commingled funds:						
Absolute return funds	1,014,215	1,548,808	3,059,939	2,878,844	1,779,371	2,843,897
Non-U.S. equity funds	1,633,719	2,536,050	848,191	886,228	4,101,538	6,824,969
Private equity	4,619,151	4,467,398	2,838,595	2,611,463	9,232,758	8,746,627
Private credit	1,066,727	782,608			3,084,346	2,127,956
Money market funds	400,554	1,229,944	1,967,321	1,503,702	5,347,602	3,174,888
U.S. equity funds	3,204	2,367	1,817,247	1,453,650	2,880,961	2,489,916
Real estate investment trusts	2,485,523	928,473	239,205	235,052	6,167,824	3,395,281
Real assets	747,767	627,833	80,324	105,822	4,032,506	3,333,596
U.S. bond funds	4,822	4,897	175,045	161,548	14,475	101,827
Non-U.S. bond funds	73	79	20,180	20,161	11	11
Balanced funds	315,156	316,380	2,805,385	2,614,349		
<b>Commingled funds</b>	<b>12,290,911</b>	<b>12,444,837</b>	<b>13,851,432</b>	<b>12,470,819</b>	<b>36,641,392</b>	<b>33,038,968</b>
Other investments:						
Investment derivatives	2,451	(774)	48	9,182	15,235	9,535
Publicly traded real estate investment trusts	376,971	514,950			2,126,913	2,810,741
Mortgage loans	934,755	685,634				
Real estate	190,344	262,717	308,288	279,956	1,242,310	1,811,614
Other investments	151,556	154,642	348,700	442,357	548,539	576,364
Campus foundations' investments with the University	(4,717,138)	(4,414,014)				
UCRS investment in STIP	(4,365,490)	(2,030,439)				
Custodial investment funds	(595,102)	(457,450)	(705,961)	(716,452)		
<b>Other investments</b>	<b>(8,021,653)</b>	<b>(5,284,734)</b>	<b>(48,925)</b>	<b>15,043</b>	<b>3,932,997</b>	<b>5,208,254</b>
<b>Total investments</b>	<b>37,609,407</b>	<b>37,340,881</b>	<b>14,824,345</b>	<b>13,274,035</b>	<b>\$118,799,215</b>	<b>\$109,139,801</b>
Less: Current portion	(9,946,972)	(11,178,413)	(1,788,817)	(1,213,678)		
<b>Noncurrent portion</b>	<b>\$27,662,435</b>	<b>\$26,162,468</b>	<b>\$13,035,528</b>	<b>\$12,060,357</b>		

## **Investment Risk Factors**

There are many factors that can affect the value of investments. Some, such as custodial credit risk, concentration of credit risk and foreign currency risk, may affect both equity and fixed-income securities. Equity securities respond to such factors as economic conditions, individual company earnings performance and market liquidity, while fixed-income securities are particularly sensitive to credit risks and changes in interest rates. Alternative investment strategies and their underlying assets and rights are subject to an array of economic and market vagaries that can limit or erode value.

### **Credit Risk**

Fixed-income securities are subject to credit risk, which is the chance that a bond issuer will fail to pay interest or principal in a timely manner, or the possibility that negative perceptions of the issuer's ability to make these payments will cause security prices to decline. These circumstances may arise due to a variety of factors such as financial weakness, bankruptcy, litigation and/or adverse political developments.

A bond's credit quality is an assessment of the issuer's ability to pay interest on the bond and, ultimately, to pay the principal. Credit quality is evaluated by independent bond rating agencies, like Moody's or S&P. The lower the rating, the greater the chance, in the rating agency's opinion, that the bond issuer will default, or fail to meet its payment obligations. Generally, the lower a bond's credit rating, the higher its yield should be to compensate for the additional risk.

Certain fixed-income securities, primarily obligations of the U.S. government or those explicitly guaranteed by the U.S. government, are considered to have minimal credit risk. Asset-backed securities are debt obligations that represent claims to the cash flows from pools of commercial, mortgage, credit card or student loans. Mortgage-backed securities issued by Ginnie Mae are backed by the full faith and credit of the U.S. government.

The investment guidelines for STIP recognize that a limited amount of credit risk, properly managed and monitored, is prudent and provides incremental risk-adjusted return over its benchmark. The combined benchmark for STIP is a 50/50 weighted average of the yield on a constant maturity one-year U.S. Treasury Note and U.S. 30-day Treasury Bills.

The University recognizes that credit risk is appropriate in balanced investment pools such as TRIP, BGP, UCSP and GEP by virtue of the benchmarks chosen for the fixed-income portion of those pools.

The core fixed-income benchmark for UCSP is the Bloomberg MSCI US Aggregate ex-Tobacco ex-Fossil Fuels Index, comprised of 24.8 percent corporate bonds, 4.0 percent non-corporate bonds, and 29.1 percent mortgage/asset-backed bonds, all of which carry some degree of credit risk. The remaining 42.1 percent is government-issued bonds. The core fixed-income benchmark for TRIP, BGP, UCSP and GEP is the Bloomberg 1-5 Year US Government/Credit Index, comprised of 27.0 percent corporate bonds and 5.7 percent non-corporate bonds, all of which carry some degree of credit risk. The remaining 67.3 percent is government-issued bonds.

Credit risk is managed primarily by diversifying across issuers. The University monitors and reviews its exposures on an ongoing basis and will maintain a high-quality portfolio within its investment guidelines.

The credit risk profile for fixed- or variable-income securities at June 30 is shown in Table 3.2:

**Table 3.2: Credit Risk Profile**

(in thousands of dollars)	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM
	2023	2022	2023	2022	2023	2022
<b>Fixed- or variable-income securities:</b>						
U.S. government-guaranteed	\$6,863,681	\$6,225,511	\$565,013	\$265,892	\$7,953,360	\$7,285,654
Other U.S. dollar-denominated:						
AAA	755,713	339,500	101,419	146,260	1,314,520	1,366,474
AA	1,170,961	208,034	1,174	2,493	2,993,842	3,204,668
A	1,018,435	899,402	14,708	16,178	1,706,959	1,631,884
BBB	1,210,656	1,133,755	31,861	22,437	2,231,120	2,295,010
BB	8,894	11,578	80,548	59,925	1,206,753	1,602,838
B			76,568	63,776	1,072,912	1,312,090
CCC or below			8,973	12,931	278,493	386,029
A1/P1/F1				813		
Not rated	6,832,250	9,120,671	55,121	15,830	1,175,081	1,365,808
Foreign currency-denominated:						
BBB			934	923		
<b>Commingled funds:</b>						
U.S. bond funds: not rated	4,822	4,897	175,045	161,548	14,475	101,827
Non-U.S. bond funds: not rated	73	79	20,180	20,161	11	11
Money market funds: not rated	400,554	1,229,944	1,967,321	1,503,702	5,347,602	3,174,888
<b>Other investments:</b>						
Mortgage loans: not rated	934,755	685,634				

### Custodial Credit Risk

Custodial credit risk is the risk that in the event of the failure of the custodian, the investments may not be returned.

Substantially all of the University's, campus foundations' and UCRS' securities are registered in the University's name by the custodial bank as an agent for the University. Other types of investments such as private investments, real estate, commingled funds and derivatives represent ownership interests that do not exist in physical or book-entry form. As a result, custodial credit risk for such investments is remote.

### Concentration of Credit Risk

Concentration of credit risk is the risk associated with a lack of diversification, such as having substantial investments in a few individual issuers, thereby exposing the organization to greater risks resulting from adverse economic, political, regulatory, geographic or credit developments.

The U.S. and non-U.S. equity portions of the University and UCRS portfolios may be managed either passively or actively. For the portions managed passively, the concentration of individual securities is similar to their concentration in the benchmark. While some securities have a larger representation in the benchmark than others, the University considers passive management results in an absence of concentration of credit risk. For the portions managed actively, asset class guidelines do not specifically address concentration risk, but do state that the equity asset class, in the aggregate, will be appropriately diversified to control overall risk and will exhibit portfolio characteristics similar to the asset class benchmark (including concentration of credit risk). Concentration risk for individual portfolios is monitored relative to their individual benchmarks and agreed-upon risk parameters in their guidelines.

Each campus foundation may have its own individual investment policy designed to limit exposure to a concentration of credit risk. Securities issued or explicitly guaranteed by the U.S. government, mutual funds, external investment pools, other investment pools or investments that are invested by the University for the campus foundations are not subject to concentration of credit risk. Most of the campus foundations that hold other types of investments have policies to limit the exposure to an individual issuer.

At June 30, 2023 and 2022, no single issuer comprised more than 5 percent of investments held by the University, campus foundations or UCRS, excluding US government securities.

## Interest Rate Risk

Interest rate risk is the risk that the value of fixed-income securities will decline because of changing interest rates. The prices of fixed-income securities with a longer time to maturity, measured by effective duration, tend to be more sensitive to changes in interest rates and, therefore, more volatile than those with shorter durations. Effective duration is the approximate change in price of a security resulting from a 1-percentage-point change in the level of interest rates. Interest rate risk for STIP is managed by constraining the maturity of all individual securities to be less than or equal to three years. There is no restriction on weighted average maturity of the portfolio as it is managed relative to the liquidity demands of the investors. The nature and maturity of individual securities in STIP allow for the use of weighted average maturity as an effective risk management tool, rather than the more complex measure, effective duration.

The portfolio guidelines constrain the potential price movement due to interest rate changes of the portfolio being similar to that of the benchmark. There are similar restrictions for the high-yield and emerging market debt portfolios relative to their benchmarks.

The effective durations for fixed- or variable-income securities at June 30 are shown in Table 3.3:

**Table 3.3: Effective Durations for Fixed- or Variable-Income Securities**

(in thousands of dollars)	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM
	2023	2022	2023	2022	2023	2022
<b>Fixed- or variable-income securities:</b>						
U.S. government-guaranteed:						
U.S. Treasury bills, notes and bonds	2.2	2.0	1.2	2.8	4.4	4.9
U.S. Treasury strips	2.2	3.0	11.6	12.6	1.5	2.3
U.S. TIPS			3.7		4.8	5.2
U.S. government-backed securities				3.4		15.2
U.S. government-backed mortgage-backed securities				0.8	5.3	5.6
Other U.S. dollar-denominated:						
Corporate bonds	2.6	2.9	1.5	2.4	3.6	4.2
Commercial paper						
U.S. agencies	0.4		0.9	0.7	1.8	2.5
U.S. agencies - asset-backed securities	3.0	3.1		3.2	5.5	5.7
Corporate - asset-backed securities				0.8	3.2	3.6
Supranational/foreign	2.6	2.7			3.8	4.6
Other	2.2	2.2	1.5	1.9	6.6	5.9
Foreign currency-denominated:					1.4	
Government/sovereign						
<b>Commingled funds:</b>						
U.S. bond funds	6.5	6.3	4.1	4.1	12.8	15.3
Non-U.S. bond funds			7.2	6.4	7.3	7.4
Money market funds*			0.2			

\*Foundation investment in STIP

The University considers the effective durations for commercial paper, mortgage loans, insurance contracts and money market funds to be zero. The terms of the mortgage loans include variable interest rates. Insurance contracts can be liquidated without loss of principal, and money market funds consist of underlying securities that are of a short-term, liquid nature.

Investments also include various mortgage-backed securities, collateralized mortgage obligations, structured notes, variable-rate securities and callable bonds that may be considered to be highly sensitive to changes in interest rates due to the existence of prepayment or conversion features. The effective durations of these securities, however, may be low.

At June 30, the fair values of such investments are shown in Table 3.4:

**Table 3.4: Fair Value of Certain Investments**

(in thousands of dollars)	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM
	2023	2022	2023	2022	2023	2022
Mortgage-backed securities	\$1,096	\$1,424	\$17,561	\$20,678	\$1,317,804	\$1,488,684
Collateralized mortgage obligations			55,947	99,158	38,834	59,903
Other asset-backed securities			17,811	21,297	8,603	13,192
Variable-rate securities	477,247	391,944			969,924	926,255
Callable bonds	3,188,258	1,545,443			8,882,743	9,228,606
Structured notes	475,549	387,687			2,123,743	2,135,684
Convertible bonds					5,558	8,628
<b>Total</b>	<b>\$4,142,150</b>	<b>\$2,326,498</b>	<b>\$91,319</b>	<b>\$141,133</b>	<b>\$13,347,209</b>	<b>\$13,860,952</b>

**Mortgage-Backed Securities.** These securities are issued primarily by Fannie Mae, Ginnie Mae and Freddie Mac, and various commercial entities and include short embedded prepayment options. Unanticipated prepayments by the obligees of the underlying assets reduce the total expected rate of return.

**Collateralized Mortgage Obligations.** Collateralized mortgage obligations (CMOs) generate a return based upon either the payment of interest or principal on mortgages in an underlying pool. The relationship between interest rates and prepayments makes the fair value highly sensitive to changes in interest rates. In falling interest rate environments, the underlying mortgages are subject to a higher propensity of prepayments. In rising interest rate environments, the opposite is true.

**Other Asset-Backed Securities.** Other asset-backed securities also generate a return based upon either the payment of interest or principal on obligations in an underlying pool, generally associated with auto loans or credit cards. As with CMOs, the relationship between interest rates and prepayments makes the fair value highly sensitive to changes in interest rates.

**Variable-Rate Securities.** These securities are investments with terms that provide for the adjustment of their interest rates on set dates and are expected to have fair values that will be relatively unaffected by interest rate changes. Variable-rate securities may have limits on how high or low the interest rate may change. These constraints may affect the market value of the security.

**Callable Bonds.** Although bonds are issued with clearly defined maturities, an issuer may be able to redeem, or call, a bond earlier than its maturity date. The University must then replace the called bond with a bond that may have a lower yield than the original. The call feature causes the fair value to be highly sensitive to changes in interest rates.

At June 30, the effective durations for these securities are shown in Table 3.5:

**Table 3.5: Effective Durations for Certain Securities**

(in years)	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM
	2023	2022	2023	2022	2023	2022
Mortgage-backed securities	3.0	3.1	3.9	4.8	5.5	5.6
Collateralized mortgage obligations			2.7	2.7	4.9	4.6
Other asset-backed securities			1.0	1.0	2.3	3.0
Structured notes	2.9	2.9			4.1	4.5
Variable-rate securities	2.9	2.9			3.4	3.7
Callable bonds	1.8	2.9			3.0	3.8
Convertible bonds					2.7	1.2

### Foreign Currency Risk

The University's strategic asset allocation policy for TRIP, UCRS and GEP includes allocations to non-U.S. equities and non-dollar-denominated bonds. The benchmarks for these investments are not hedged; therefore, foreign currency risk is part of the investment strategy. Portfolio guidelines for U.S. investment-grade fixed-income securities also allow exposure to non-U.S. dollar-denominated bonds up to 10 percent of the total portfolio market value. Exposure to foreign currency risk from these securities is permitted, and it may be fully or partially hedged using forward foreign currency exchange contracts. Under the University's investment policies, such instruments are not permitted for speculative use or to create leverage. Similar limits on foreign exchange exposure apply to the high-yield debt and emerging market debt portfolios.

At June 30, the foreign currency risk expressed in U.S. dollars, organized by currency denomination and investment type, is shown in Table 3.6:

**Table 3.6: Foreign Currency Risk**

(in thousands of dollars)	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM
	2023	2022	2023	2022	2023	2022
<b>Equity securities:</b>						
Euro	\$1,017,777	\$948,524			\$4,140,709	\$3,583,138
British Pound	377,956	352,670			1,572,528	1,524,885
Japanese Yen	634,106	538,725			2,777,226	2,274,298
Canadian Dollar	288,019	254,613			1,259,656	1,104,907
Swiss Franc	289,691	294,989			1,190,684	1,175,627
Australian Dollar	172,971	151,452			750,052	668,166
Hong Kong Dollar	308,053	348,065			1,263,430	1,411,985
Swedish Krona	131,074	104,246			501,419	388,760
Singapore Dollar	30,289	34,868			128,444	146,095
Danish Krone	87,870	64,140			383,130	268,998
Norwegian Krone	19,150	17,904			81,231	86,732
South Korean Won	154,155	142,234			620,747	599,674
Brazilian Real	59,632	40,484			242,620	158,875
Indian Rupee	348,233	283,343	\$19,614	\$18,903	1,159,985	966,269
Taiwan New Dollar	204,663	190,207			837,109	794,538
South African Rand	38,475	36,988			149,216	142,802
Thai Baht	21,340	24,131			88,964	102,019
Mexican Peso	31,070	20,958			122,041	80,980
Chinese Yuan Renminbi	40,154	102,525			181,082	415,950
Other	189,070	169,245	19	231	755,048	745,514
<b>Subtotal</b>	<b>4,443,748</b>	<b>4,120,311</b>	<b>19,633</b>	<b>19,134</b>	<b>18,205,321</b>	<b>16,640,212</b>
<b>Fixed-income securities:</b>						
Mexican Peso			934	923		
<b>Subtotal</b>			<b>934</b>	<b>923</b>		
<b>Commingled funds (various currency denominations):</b>						
Absolute return funds	3,493	3,567	955,057	908,232		
Non-U.S. equity funds	1,633,719	2,536,050	834,984	886,228	4,101,538	6,824,969
Private equity	21,991	151,485	546,022	474,871	227,961	451,283
Private credit					307,747	
Real estate investment trusts			12,632	9,324		
Real assets	13,809	20,962	136,016	118,396	78,254	118,786
Non-U.S. bond funds	73	79	20,180	20,161	11	11
Balanced funds			150,497	216,471		
<b>Subtotal</b>	<b>1,673,085</b>	<b>2,712,143</b>	<b>2,655,388</b>	<b>2,633,683</b>	<b>4,715,511</b>	<b>7,395,049</b>
<b>Investment derivatives:</b>						
Australian Dollar			6		1	25
Canadian Dollar	10	14			73	101
British Pound						
Japanese Yen			11	(24)		
Hong Kong Dollar						1
Euro	30	8	15	(34)	89	684
Other	7	14	22	(103)	30	29
<b>Subtotal</b>	<b>47</b>	<b>42</b>	<b>48</b>	<b>(161)</b>	<b>193</b>	<b>840</b>
<b>Publicly traded real estate investment trusts:</b>						
Australian Dollar	13,877	12,662			58,495	52,726
Euro	7,428	6,739			30,323	29,188
British Pound	9,030	9,916			36,886	40,961
Japanese Yen	17,090	17,801			66,701	65,782
Singapore Dollar	7,148	7,166			30,718	30,363
Canadian Dollar	3,821	4,109			15,261	15,557
Other	13,951	6,925			43,506	27,408
<b>Subtotal</b>	<b>72,345</b>	<b>65,318</b>			<b>281,890</b>	<b>261,985</b>
<b>Total exposure to foreign currency risk</b>	<b>\$6,189,225</b>	<b>\$6,897,814</b>	<b>\$2,676,003</b>	<b>\$2,653,579</b>	<b>\$23,202,915</b>	<b>\$24,298,086</b>

## The University's Investment Pools

The composition of the University's investments at June 30, 2023, by investment pool, is shown in Table 3.7a:

**Table 3.7a: Composition of Investments by Investment Pool at June 30, 2023**

UNIVERSITY OF CALIFORNIA						
(in thousands of dollars)	STIP	TRIP	BGP	GEP	OTHER	TOTAL
Equity securities		\$6,771,581	\$2,137,502	\$6,462,027	\$108,449	\$15,479,559
Fixed- or variable-income securities:						
U.S. government-guaranteed	\$1,514,632	4,141,788	321,488	863,330	22,443	6,863,681
Other U.S. dollar-denominated	8,171,583	2,214,902	179,687	421,732	9,005	10,996,909
Commingled funds	198,732	121,373	26,435	11,340,980	603,391	12,290,911
Investment derivatives		1,470	409	540	32	2,451
Publicly traded real estate investment trusts		171,719	52,538	150,917	1,797	376,971
Mortgage loans	934,755					934,755
Real estate				157,738	32,606	190,344
Other investments				141,352	10,204	151,556
<b>Subtotal</b>	<b>10,819,702</b>	<b>13,422,833</b>	<b>2,718,059</b>	<b>19,538,616</b>	<b>787,927</b>	<b>47,287,137</b>
Campus foundations' investments with the University	(1,876,336)			(2,624,525)	(216,277)	(4,717,138)
UCRS investment in STIP	(4,365,490)					(4,365,490)
Custodial investment funds	(337,951)	(46,293)		(210,858)		(595,102)
<b>Total investments</b>	<b>\$4,239,925</b>	<b>\$13,376,540</b>	<b>\$2,718,059</b>	<b>\$16,703,233</b>	<b>\$571,650</b>	<b>\$37,609,407</b>

The composition of the University's investments at June 30, 2022, by investment pool, is shown in Table 3.7b:

**Table 3.7b: Composition of Investments by Investment Pool at June 30, 2022**

UNIVERSITY OF CALIFORNIA						
(in thousands of dollars)	STIP	TRIP	BGP	GEP	OTHER	TOTAL
Equity securities		\$5,351,785	\$1,676,889	\$5,058,582	\$155,071	\$12,242,327
Fixed- or variable-income securities:						
U.S. government-guaranteed	\$1,218,255	3,980,506	320,510	679,849	26,391	6,225,511
Other U.S. dollar-denominated	9,100,236	2,106,958	163,315	332,982	9,449	11,712,940
Commingled funds	982,998	118,256	30,381	10,785,915	\$527,287	12,444,837
Investment derivatives		59	(97)	(852)	116	(774)
Publicly traded real estate investment trusts		165,911	52,584	294,587	1,868	514,950
Mortgage loans	685,634					685,634
Real estate				231,953	30,764	262,717
Other investments				144,381	10,261	154,642
<b>Subtotal</b>	<b>11,987,123</b>	<b>11,723,475</b>	<b>2,243,582</b>	<b>17,527,397</b>	<b>761,207</b>	<b>44,242,784</b>
Campus foundations' investments with the University	(1,789,434)			(2,412,224)	(212,356)	(4,414,014)
UCRS investment in STIP	(2,030,439)					(2,030,439)
Custodial investment funds	(54,745)	(9,675)		(393,030)		(457,450)
<b>Total investments</b>	<b>\$8,112,505</b>	<b>\$11,713,800</b>	<b>\$2,243,582</b>	<b>\$14,722,143</b>	<b>\$548,851</b>	<b>\$37,340,881</b>

The total investment returns based upon unit values, representing the combined income plus net appreciation or depreciation in the fair value of investments, for the year ended June 30, 2023 were 8.6 percent for TRIP, 13.3 percent for BGP, 8.2 percent for GEP and 10.1 percent for UCRP. The total investment returns based upon unit values, representing the combined income plus net appreciation or depreciation in the fair value of investments, for the year ended June 30, 2022, were (11.3) percent for TRIP, (15.2) percent for BGP, (7.6) percent for GEP and (10.8) percent for UCRP. The investment return for STIP distributed to participants, representing combined income and realized gains or losses, during the same periods, was 2.8 percent and 0.4 percent, respectively. Other investments consist of numerous small portfolios of investments or individual securities, each with its own individual rate of return.

## Related Party Relationships with the University

UCRS and campus foundations may invest available cash in STIP. Shares are purchased or redeemed at a constant value of \$1 per share. Actual income earned, including any realized gains or losses on the sale of STIP investments, is allocated to UCRS and campus foundations based upon the number of shares held. Unrealized gains and losses associated with the fluctuation in the fair value

of investments included in STIP are recorded by the University as the manager of the pool. The net asset value for STIP is held at a constant value of \$1 and is not adjusted for unrealized gains and losses associated with the fluctuation in the fair value of investments included in STIP.

The campus foundations may also purchase or redeem shares in GEP, BGP, TRIP or other investment pools at the unitized value of the portfolio at the time of purchase or redemption. Actual income earned is allocated to the campus foundations based upon the number of shares held.

## Campus Foundations

The campus foundations' cash and cash equivalents and investments that are invested with the University are excluded from the University's statements of net position and included in the campus foundations' statements of net position. Under the accounting policies elected by each campus foundation, certain foundations classify all or a portion of their investment in STIP as cash and cash equivalents, rather than investments. Substantially all of the campus foundations' investments managed by the University are categorized as commingled funds or commingled money market funds by the campus foundations in the composition of investments.

The fair value of the campus foundations' cash and cash equivalents and investments that are invested with the University, by investment pool, at June 30 are shown in Table 3.8:

**Table 3.8: Fair Value of the Foundations' Cash, Cash Equivalents, Investments**

(in thousands of dollars)	2023	2022
STIP	\$1,876,336	\$1,789,434
GEP	2,624,525	2,412,224
Other investment pools	216,277	212,356
<b>Campus foundations' investments with the University</b>	<b>4,717,138</b>	<b>4,414,014</b>
Classified as cash and cash equivalents by campus foundations	(175,874)	(377,666)
<b>Classified as investments by campus foundations</b>	<b>\$4,541,264</b>	<b>\$4,036,348</b>

Investment income in the University's statements of revenues, expenses and changes in net position is net of income earned by, and distributed to, the campus foundations totaling \$69.1 million and \$10.7 million for the years ended June 30, 2023 and 2022, respectively.

## UCRS

UCRS had \$4.4 billion and \$2.0 billion invested in STIP at June 30, 2023 and 2022, respectively. These investments are excluded from the University's statements of net position and are included in UCRS' statements of fiduciary net position. They are categorized as commingled money market funds in the composition of investments for UCRS. STIP investment income in the University's statements of revenues, expenses and changes in net position is net of income earned by, and distributed to, UCRS totaling \$115.8 million and \$5.0 million for the years ended June 30, 2023 and 2022, respectively.

## External Investment Pools

STIP and GEP are external investment pools. The composition of their net position at June 30 is shown in Table 3.9:

**Table 3.9: Composition of Net Position for STIP and GEP**

(in thousands of dollars)	STIP 2023	STIP 2022	GEP 2023	GEP 2022
Investments	\$10,819,702	\$11,987,123	\$19,538,616	\$17,527,397
Investment of cash collateral			636,169	745,454
Securities lending collateral			(636,169)	(745,454)
Other assets, net	5,530,511	4,889,070	1,043,224	700,340
<b>Net position</b>	<b>\$16,350,213</b>	<b>\$16,876,193</b>	<b>\$20,581,840</b>	<b>\$18,227,737</b>

Participants purchase or redeem shares in STIP at a constant value of \$1 per share and purchase or redeem shares in GEP at the unitized value of the portfolio at the time of purchase or redemption. Actual income earned is allocated to participants based upon the number of shares held.

Other assets include amounts receivable for pension benefits from the campuses and medical centers of \$5.5 billion and \$5.0 billion at June 30, 2023 and 2022, respectively.

The changes in net position for STIP and GEP for the year ended June 30 are shown in Table 3.10:

**Table 3.10: Changes in Net Position for STIP and GEP**

<i>(in thousands of dollars)</i>	<b>STIP</b>	<b>STIP</b>	<b>GEP</b>	<b>GEP</b>
	<b>2023</b>	<b>2022</b>	<b>2023</b>	<b>2022</b>
Net position, beginning of year	\$16,876,193	\$16,129,790	\$18,227,737	\$19,095,006
Investment income	496,962	89,785	222,471	59,612
Net appreciation (depreciation) in fair value of investments	(11,702)	(708)	1,354,299	(1,576,316)
Net transfer to TRIP	(749,101)	(1,825)		
Transfers to BGP	(150,000)	(1,565,675)		
Participant contributions (withdrawals)	(112,139)	2,224,826	777,333	649,435
<b>Net position, end of year</b>	<b>\$16,350,213</b>	<b>\$16,876,193</b>	<b>\$20,581,840</b>	<b>\$18,227,737</b>

#### 4. SECURITIES LENDING

The University and UCRS jointly participate in a securities lending program as a means to augment income. Securities are lent to selected brokerage firms for which collateral received equals or exceeds the fair value of such investments lent during the period of the loan. Securities loans immediately terminate upon notice by either the University or the borrower. Collateral may be cash or securities issued by the U.S. government or its agencies, or the sovereign or provincial debt of foreign countries. Securities collateral cannot be pledged or sold by the University unless the borrower defaults.

Loans of domestic equities and all fixed-income securities are initially collateralized at 102 percent of the fair value of securities lent. Loans of foreign equities are initially collateralized at 105 percent. All borrowers are required to provide additional collateral by the next business day if the value of the collateral falls to less than 100 percent of the fair value of securities lent.

Cash collateral received from the borrower is invested by lending agents, as agents for the University, in investment pools in the name of the University, with guidelines approved by the University. These investments are shown as investment of cash collateral in the statement of net position. At June 30, 2023 and 2022, the securities in these pools had a weighted average maturity of 3 days.

The University records a liability for the return of the cash collateral shown as collateral held for securities lending in the statements of net position. Securities collateral received from the borrower is held in investment pools by the University's custodial bank.

At June 30, 2023 and 2022, the University had insignificant exposure to borrowers because the amounts the University owed the borrowers were substantially the same as the amounts the borrowers owed the University. The University is indemnified by its lending agents against any losses incurred as a result of borrower default.

The composition of the securities lending programs at June 30 is shown in Table 4.1:

**Table 4.1: Composition of the Securities Lending Program**

	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM
(in thousands of dollars)	2023	2022	2023	2022
<b>SECURITIES LENT</b>				
For cash collateral:				
Equity securities:				
Domestic	\$1,260,717	\$1,398,466	\$5,454,648	\$7,303,282
Foreign	207,478	179,530	772,168	985,499
Fixed-income securities:				
U.S. government-guaranteed	48,251	14,656	811,410	208,929
U.S. agency	43,502	44,235	638,693	41,733
Other U.S. dollar-denominated	317,106	455,184	775,060	1,491,655
Foreign currency-denominated			2,426	15,754
<b>Lent for cash collateral</b>	<b>1,877,054</b>	<b>2,092,071</b>	<b>8,454,405</b>	<b>10,046,852</b>
For securities collateral:				
Equity securities:				
Domestic	14	14	34	114
Foreign	275	51	67	3,656
Publicly traded real estate investment trusts:				
Publicly traded real estate investment trust		4		14
Fixed-income securities:				
U.S. government-guaranteed	5,290		2,773,493	
Other U.S. dollar-denominated				
Foreign currency-denominated				
<b>Lent for securities collateral</b>	<b>5,579</b>	<b>69</b>	<b>2,773,594</b>	<b>3,784</b>
<b>Total securities lent</b>	<b>\$1,882,633</b>	<b>\$2,092,140</b>	<b>\$11,227,999</b>	<b>\$10,050,636</b>
<b>COLLATERAL RECEIVED</b>				
Cash	\$1,913,858	\$2,162,521	\$8,621,742	\$10,400,999
<b>Total cash collateral received</b>	<b>1,913,858</b>	<b>2,162,521</b>	<b>8,621,742</b>	<b>10,400,999</b>
Securities	6,137	74	3,431,453	4,056
<b>Total collateral received</b>	<b>\$1,919,995</b>	<b>\$2,162,595</b>	<b>\$12,053,195</b>	<b>\$10,405,055</b>
<b>INVESTMENT OF CASH COLLATERAL</b>				
Fixed-income securities:				
Other U.S. dollar-denominated:				
Corporate bonds	\$27,232	\$17,195	\$122,678	\$82,805
Commercial paper	54,171	178,404	244,037	859,132
Repurchase agreements	1,195,531	1,049,001	5,385,771	5,038,685
Certificates of deposit/time deposits	645,778	919,375	2,909,169	4,427,382
Supranational/foreign	9,443		42,539	
Other liabilities, net*	(18,269)	(1,455)	(82,434)	(7,005)
<b>Investment of cash collateral</b>	<b>1,913,886</b>	<b>2,162,520</b>	<b>\$8,621,760</b>	<b>\$10,400,999</b>
Less: Current portion	(1,833,062)	(2,112,588)		
<b>Noncurrent portion</b>	<b>\$80,824</b>	<b>\$49,932</b>		

\* Other liabilities, net is comprised of pending settlements of cash collateral investments.

## Investment Risk Factors

There are a variety of potential risk factors involved in a securities lending program. Risks associated with the investment of cash collateral may include the credit risk from fixed-income securities, concentration of credit risk, interest rate risk and foreign currency risk. In addition, there may be custodial credit risk associated with both cash and securities received as collateral for securities lent.

The University's and UCRS' investment guidelines and other information related to each of these risks are summarized below. Campus foundations that participate in a securities lending program may have their own individual investment policies designed to limit the same risks.

### Credit Risk

The University's and UCRS' investment guidelines for the investment of cash collateral maintained in separately managed collateral pools restrict the credit rating of issuers at the time of purchase to no less than A-1, P-1 or F-1 for short-term securities and no less than A2/A for long-term securities. Asset-backed securities must have a rating of AAA at the time of purchase.

The credit risk profile for fixed- or variable-income securities associated with the investment of cash collateral at June 30 is shown in Table 4.2:

**Table 4.2: Credit Risk Profile**

(in thousands of dollars)	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM
	2023	2022	2023	2022
Fixed- or variable-income securities:				
Other U.S. dollar-denominated:				
AAA	\$6,150		\$27,703	
AA-	155,382	\$164,341	699,982	\$791,409
A+	302,612	420,084	1,363,238	2,022,977
A	100,831	191,569	454,237	922,526
A-1+	62,709	110,048	282,499	529,952
A-1 / A-2 / P-1 / F-1	105,647	228,932	475,931	1,102,455
Not rated	3,293		14,835	
Other liabilities, net*: not rated	(18,269)	(1,455)	(82,434)	(7,005)

\* Other liabilities, net is comprised of pending settlements of cash collateral investments.

### Custodial Credit Risk

Cash collateral received for securities lent is invested in pools by the University's lending agents. The University's and UCRS' securities related to the investment of cash collateral are registered in the University's name by the lending agents. Securities collateral received for securities lent are held in investment pools by the University's lending agents. As a result, custodial credit risk is remote.

### Concentration of Credit Risk

The University's and UCRS' investment guidelines with respect to the concentration of credit risk associated with the investment of cash collateral in the separately managed collateral pools restricts investments in any single issuer of corporate debt securities, time deposits, certificates of deposit, banker's acceptances and money market funds to no more than 5 percent of the portfolio value at the time of purchase. Campus foundations that directly participate in a securities lending program do not have specific investment policies related to concentration of credit risk, although the lending agreements with the agents establish restrictions for the type of investments, as well as minimum credit ratings.

Investments in issuers other than U.S. government-guaranteed securities that represent 5 percent or more of the total investment of cash collateral at June 30 are shown in Table 4.3:

**Table 4.3: Investment in Issuers Other Than U.S. Government-Guaranteed Securities that Represent 5 percent or more of the Total Investment of Cash Collateral**

	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM
(in thousands of dollars)	2023	2022	2023	2022
Goldman Sachs & Co.	\$132,609		\$597,391	
Citigroup Global Markets Inc.	151,735	\$126,211	683,549	\$607,789
JP Morgan Securities LLC		141,859		683,140
Barclays Bank PLC	296,637		1,336,321	

### Interest Rate Risk

The nature of individual securities in the collateral pools allows for the use of weighted average maturity as an effective risk management measure. The University's and UCRS' investment guidelines with respect to the interest rate risk associated with the investment of cash collateral in the separately managed collateral pools require the weighted average maturity of the entire collateral pool to be less than 120 days. The maturity of securities issued by the U.S. government and asset-backed securities must be less than five years, corporate debt obligations must be less than two years and time deposits must be less than 190 days.

The weighted average maturity expressed in days for fixed- or variable-income securities associated with the investment of cash collateral at June 30 is shown in Table 4.4:

**Table 4.4: Weighted Average Maturity**

	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM
(in days)	2023	2022	2023	2022
Fixed- or variable-income securities:				
Other U.S. dollar-denominated:				
Corporate bonds	1	1	1	1
Commercial paper	39	6	39	6
Repurchase agreements	2	3	2	3
Certificates of deposit/time deposits	4	5	4	5
Supranational/foreign	17		17	

Investment of cash collateral may include various asset-backed securities, structured notes and variable-rate securities that may be considered to be highly sensitive to changes in interest rates due to the existence of prepayment or conversion features, although the weighted average maturity may be short.

At June 30, the fair value of investments that are considered to be highly sensitive to changes in interest rates is shown in Table 4.5:

**Table 4.5: Fair Value of Investments Highly Sensitive to Interest Rate Changes**

	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM	UNIVERSITY OF CALIFORNIA RETIREMENT SYSTEM
(in thousands of dollars)	2023	2022	2023	2022
Other asset-backed securities	\$9,443		\$42,539	
Variable-rate investments	1,597,069	\$1,741,837	7,194,641	\$8,388,068
<b>Total</b>	<b>\$1,606,512</b>	<b>\$1,741,837</b>	<b>\$7,237,180</b>	<b>\$8,388,068</b>

At June 30, 2023 and 2022, the weighted average maturity expressed in days for asset-backed securities was less than 0.1 days and 1 day, respectively, and for variable-rate investments it was 1 day.

## **Foreign Currency Risk**

The University's and UCRS' investment policy with respect to the foreign currency risk associated with the investment of cash collateral maintained in separate collateral pools restricts investments to U.S. dollar-denominated securities. Therefore, there is no foreign currency risk.

## **5. DERIVATIVE FINANCIAL INSTRUMENTS**

The University may use derivatives including futures, forward contracts, options and interest rate swap contracts as a substitute for investing in equity and fixed-income securities to reduce the effect of fluctuating foreign currencies on foreign currency-denominated investments, or to limit its exposure of variable-rate bonds to changes in market interest rates. The Board of Trustees for each campus foundation may also authorize derivatives in its investment policy.

The University enters into futures contracts for the purpose of acting as a substitute for investing in equity and fixed-income securities. A futures contract is an agreement between two parties to buy and sell a security or financial index, interest rate or foreign currency at a set price on a future date. They are standardized contracts that can be easily bought and sold and are exchange-traded. Upon entering into such a contract, the University is required to pledge to the broker an amount of cash or securities equal to the minimum initial margin requirements of the exchange on which the contract is traded. Pursuant to the contract, the University agrees to receive from, or pay to, the counterparty an amount of cash equal to the daily fluctuation in the value of the contract. These contracts are settled on a daily basis, with the resulting realized gain or loss included in the statements of revenues, expenses and changes in net position. The settlement amount at the end of each day for each of the contracts, or variation margin, is included in investments and represents the fair value of the contracts.

Forward contracts are similar to futures contracts, although they are not exchange-traded. Foreign currency exchange contracts are forward contracts used to hedge against foreign currency exchange rate risks on non-U.S. dollar-denominated investment securities and to increase or decrease exposure to various foreign currencies.

An options contract gives the University the right to buy or sell a specified security or index at a fixed price during a specified period for a nonrefundable fee (the "premium"). The maximum loss to the University is limited to the premium originally paid for covered options. The University initially records premiums paid for the purchase of these options in the statements of net position as an investment which is subsequently adjusted to reflect the fair value of the options, with unrealized gains and losses included in the statements of revenues, expenses and changes in net position.

Rights and warrants provide the holder the right to buy a stock at a predetermined price for a finite period of time. Warrants usually have a longer time period to expiration. The holder of a right or warrant is permitted to buy at a price that may be below the actual market price for that stock. Warrants and rights cease to exist and become worthless if not used by their expiration date.

An interest rate swap is a contractual agreement entered into between the University and a counterparty under which each agrees to exchange periodic fixed or variable payments for an agreed period of time based upon a notional amount of principal or value of the underlying contract. The payments correspond to an equity index, an interest rate or currency. A credit default swap is an agreement whereby the seller will compensate the buyer in the event of a loan default. A swaption is an option granting its owner the right to enter into an underlying swap. The University considers its futures, forward contracts, options, credit default swaps, swaptions, rights, warrants and certain interest rate swaps to be investment derivatives.

As a means to lower the University's borrowing costs, when compared against fixed-rate bonds at the time of issuance, the University entered into interest rate swap agreements in connection with certain of its variable-rate Medical Center Pooled Revenue Bonds and General Revenue Bonds. The University determined certain of its interest rate swaps are derivative instruments that meet the criteria for an effective hedge. Certain of the interest rate swaps are considered hybrid instruments since, at the time of execution, the fixed rate on each of the swaps was off-market and the University received an upfront payment. As such, these swaps are each comprised of a derivative instrument, an at-the-market swap that is an effective hedge and a companion borrowing represented by the upfront payment. The unamortized amount of the borrowing under the companion instruments was \$66.7 million and \$71.7 million at June 30, 2023 and 2022, respectively.

The fair value balances and notional amounts of derivative instruments outstanding at June 30, categorized by type, and the changes in fair value of such derivatives are shown in Tables 5.1a, 5.1b, and 5.1c:

## University

**Table 5.1a: Fair Value Balances and Notional Amounts of Derivative Instruments Outstanding for the University**

(in thousands of dollars)	NOTIONAL AMOUNT 2023	NOTIONAL AMOUNT 2022	FAIR VALUE CLASSIFICATION	FAIR VALUE 2023	FAIR VALUE 2022	CHANGES IN FAIR VALUE CLASSIFICATION	CHANGES IN FAIR VALUE 2023	CHANGES IN FAIR VALUE 2022
CATEGORY	2023	2022						
<b>INVESTMENT DERIVATIVES</b>								
<i>Futures contracts:</i>								
Domestic equity futures:								
Long positions	\$100,670	\$84,248	Investments	\$2,374	(\$835)	Net appreciation (depreciation)	\$12,217	(\$16,180)
Foreign equity futures:								
Long positions	643	1,712	Investments	10	(108)	Net appreciation (depreciation)	105	286
<b>Futures contracts</b>				<b>2,384</b>	<b>(943)</b>		<b>12,322</b>	<b>(15,894)</b>
<i>Foreign currency exchange contracts:</i>								
Long positions	23	27	Investments			Net appreciation (depreciation)	38	(5)
Short positions	3,512	3,806	Investments	11	114	Net appreciation (depreciation)	(93)	226
<b>Foreign currency exchange contracts</b>				<b>11</b>	<b>114</b>		<b>(55)</b>	<b>221</b>
<i>Other:</i>								
Stock rights/warrants			Investments	56	55	Net appreciation (depreciation)	302	(281)
<b>Other</b>				<b>56</b>	<b>55</b>		<b>302</b>	<b>(281)</b>
<b>Total investment derivatives</b>				<b>\$2,451</b>	<b>(\$774)</b>		<b>\$12,569</b>	<b>(\$15,954)</b>
<b>CASH FLOW HEDGES</b>								
<i>Effective interest rate swaps:</i>								
Pay fixed, receive variable	\$1,760,550	\$1,768,060	Other (liabilities)	\$63,152	(\$1,178)	Deferred inflows (outflows)	\$64,330	\$153,004

## Campus Foundations

**Table 5.1b: Fair Value Balances and Notional Amounts of Derivative Instruments Outstanding for the Foundations**

(in thousands of dollars)	NOTIONAL AMOUNT	NOTIONAL AMOUNT	FAIR VALUE	FAIR VALUE	FAIR VALUE	CHANGES IN FAIR VALUE	CHANGES IN FAIR VALUE	CHANGES IN FAIR VALUE
CATEGORY	2023	2022	CLASSIFICATION	2023	2022	CLASSIFICATION	2023	2022
<b>INVESTMENT DERIVATIVES</b>								
<i>Futures contracts:</i>								
Domestic equity futures:								
Long positions	\$11,747		Investments		\$111	Net appreciation (depreciation)	\$2,535	(\$3,317)
Foreign equity futures:								
Long positions	\$10,885	5,174	Investments	\$48	(145)	Net appreciation (depreciation)	997	(1,806)
Other:								
Options/swaptions	622		Investments	10,059	8,549	Net depreciation	(19,171)	(16,613)
Swaps	212,355	133,016	Investments			Net appreciation (depreciation)	24,271	(24,833)
Custodial investment funds				667				
<b>Total investment derivatives</b>				<b>\$10,107</b>	<b>\$9,182</b>		<b>\$8,632</b>	<b>(\$46,569)</b>

## UCRS

**Table 5.1c: Fair Value Balances and Notional Amounts of Derivative Instruments Outstanding for UCRS**

(in thousands of dollars)	NOTIONAL AMOUNT	NOTIONAL AMOUNT	FAIR VALUE	FAIR VALUE	FAIR VALUE	CHANGES IN FAIR VALUE	CHANGES IN FAIR VALUE	CHANGES IN FAIR VALUE
CATEGORY	2023	2022	CLASSIFICATION	2023	2022	CLASSIFICATION	2023	2022
<b>INVESTMENT DERIVATIVES</b>								
<i>Futures contracts:</i>								
Domestic equity futures:								
Long positions	\$604,474	\$637,932	Investments	\$13,503	(\$4,501)	Net appreciation (depreciation)	\$75,090	(\$107,392)
Foreign equity futures:								
Long positions	49,890	55,322	Investments	643	(2,252)	Net appreciation (depreciation)	7,826	(3,806)
Short positions							202	
<b>Futures contracts</b>				<b>14,146</b>	<b>(6,753)</b>		<b>83,118</b>	<b>(111,198)</b>
<i>Foreign currency exchange contracts:</i>								
Long positions	10,939	12,830	Investments	(225)	(272)	Net appreciation (depreciation)	3,014	(1,730)
Short positions	309,399	340,938	Investments	1,005	15,422	Net appreciation (depreciation)	(8,477)	32,903
<b>Foreign currency exchange contracts</b>				<b>780</b>	<b>15,150</b>		<b>(5,463)</b>	<b>31,173</b>
<i>Other:</i>								
Stock rights/warrants	168		Investments	309	1,138	Net appreciation (depreciation)	1,692	(3,380)
<b>Other</b>				<b>309</b>	<b>1,138</b>		<b>1,692</b>	<b>(3,380)</b>
<b>Total investment derivatives</b>				<b>\$15,235</b>	<b>\$9,535</b>		<b>\$79,347</b>	<b>(\$83,405)</b>

## Objectives and Terms of Hedging Derivative Instruments

The objectives and terms of the hedging derivative instruments outstanding at June 30, along with the credit rating of the associated counterparty, are shown in Table 5.2:

**Table 5.2: Objectives and Terms of the Hedging Derivative Instruments Outstanding**

(in thousands of dollars)		NOTIONAL AMOUNT	NOTIONAL AMOUNT	EFFECTIVE DATE	MATURITY DATE	CASH PAID OR RECEIVED	TERMS	COUNTERPARTY CREDIT RATING	FAIR VALUE 2023	FAIR VALUE 2022
TYPE	OBJECTIVE	2023	2022						2023	2022
<b>UNIVERSITY</b>										
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds	\$44,760	\$48,905	2020	2032	None	Pay fixed 3.5897%; receive 58% of Federal Funds Rate + 0.564%	Aa1/A+	(\$1,515)	(\$3,476)
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds	28,245	31,610	2020	2030	None	Pay fixed 4.55%; receive 67% of Federal Funds Rate + 0.76%	Aa2/A+	(1,174)	(2,591)
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds	38,670	38,670	2020	2037	None	Pay fixed 4.625%; receive 67% of Federal Funds Rate + 0.797%	Aa2/A+	(5,176)	(7,385)
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds	54,495	54,495	2020	2043	None	Pay fixed 4.6935%; receive 67% of Federal Funds Rate + 0.861%	Aa2/A+	(8,938)	(14,193)
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate General Revenue Bonds	400,000	400,000	2019	2023	None	Pay fixed 1.8982%; receive 70% of Federal Funds Rate + 0.0925%	Aa2/AA-	2,484	1,262
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate General Revenue Bonds	100,000	100,000	2019	2023	None	Pay fixed 1.9057%; receive 70% of Federal Funds Rate + 0.0925%	Aa2/AA-	619	306
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate General Revenue Bonds	100,000	100,000	2019	2023	None	Pay fixed 1.8980%; receive 70% of Federal Funds Rate + 0.0975%	Aa2/A+	622	322
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate Medical Center Pooled Revenue Bonds	50,000	50,000	2020	2045-2047	None	Pay fixed 4.741%; receive 67% of Federal Funds Rate + 0.902%	Aa2/A+	(12,151)	(15,203)
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate General Revenue Bonds	500,000	500,000	2023	2039	None	Pay fixed 1.9817%; receive 70% of Federal Funds Rate	Aa2/AA-	22,757	273
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate General Revenue Bonds	100,000	100,000	2023	2039	None	Pay fixed 1.899%; receive 70% of Federal Funds Rate	Aa2/A+	5,487	952
Pay fixed, receive variable interest rate swap	Hedge of changes in cash flows on variable-rate General Revenue Bonds	344,380	344,380	2023	2048	None	Pay fixed 0.926% - 1.238%; receive 70% of Federal Funds Rate	A2/A,A2/A+	60,137	38,555
<b>Interest rate swaps, net</b>		\$1,760,550		\$1,768,060				\$63,152		(\$1,178)

## Hedging Derivative Instrument Risk Factors

### Credit Risk

The University could be exposed to credit risk if the interest rate swap counterparties to the contracts are unable to meet the terms of the contracts. Contracts with positive fair values are exposed to credit risk. The University faces a maximum possible loss equivalent to the amount of the derivative's fair value, less any collateral held by the University provided by the counterparty. Contracts with negative fair values are not exposed to credit risk.

Although the University has entered into interest rate swaps with creditworthy financial institutions to hedge its variable-rate debt, there is credit risk for losses in the event of nonperformance by counterparties or unfavorable interest rate movements.

There are no collateral requirements related to the interest rate swap with the \$44.8 million notional amount. Depending on the fair value and the counterparty credit rating for the swaps related to the Medical Center Pooled Revenue Bonds with the counterparty that is currently rated Aa2/A+ with a combined notional amount of \$171.4 million, the University may be entitled to receive collateral to the extent the positive fair value exceeds \$20.0 million. At June 30, 2023 and 2022, there was no collateral required.

Depending on the fair value and the counterparty credit rating for the swaps related to the General Revenue Bonds with the counterparty that is currently rated A2/A and A2/A with a combined notional amount of \$344.4 million, the University may be entitled to receive collateral to the extent the positive fair value with the counterparty exceeds \$50.0 million. At June 30, 2023 and 2022, there was no collateral required.

Depending on the fair value and the counterparty credit rating for the swap related to the General Revenue Bonds with the counterparty that is currently rated Aa2/A+ with a notional amount of \$100.0 million, the University may be entitled to receive collateral to the extent the positive fair value with the counterparty exceeds \$20.0 million. At June 30, 2023 and 2022, there was no collateral required.

### Interest Rate Risk

There is a risk that the value of the interest rate swaps will decline because of changing interest rates. The values of the interest rate swaps with longer maturities tend to be more sensitive to changing interest rates and, therefore, more volatile than those with shorter maturities.

### Basis Risk

There is a risk that the basis for the variable payment received on interest rate swaps will not match the variable payment on the bonds. This exposes the University to basis risk whenever the interest rates on the bonds are reset. The interest rate on the bonds is a tax-exempt interest rate, while the basis of the variable receipt on the interest rate swaps is taxable. Tax-exempt interest rates can change without a corresponding change in the Federal Funds Rate due to factors affecting the tax-exempt market which do not have a similar effect on the taxable market.

### Termination Risk

There is termination risk for interest rate swaps associated with variable-rate bonds in the event of nonperformance by counterparties in an adverse market, resulting in cancellation of the synthetic interest rate and returning the interest rate payments to the variable interest rates on the bonds. In addition, depending on the agreement, certain interest rate swaps may be terminated if a counterparty's credit quality rating, as issued by Moody's or S&P, falls below certain thresholds. For the interest rate swap with the \$44.8 million notional amount, the termination threshold is reached when the credit quality rating for either the underlying Medical Center Pooled Revenue Bonds or swap counterparty falls below Baa2 or BBB. For the swaps with the combined \$171.4 million notional amount, the termination threshold is reached when the credit quality rating for the underlying Medical Center Pooled Revenue Bonds falls below Baa3/BBB-, or the interest rate swap counterparty's rating falls below Baa2 or BBB. For the swaps with a combined notional amount of \$344.4 million with counterparties that are currently rated A2/A and A2/A, the termination threshold is reached when either the credit quality rating for the Medical Center Pooled Revenue Bonds or the swap counterparty's rating falls below Baa2 or BBB. Upon termination, the University may also owe a termination payment if there is a realized loss based on the fair value of each interest rate swap.

For the swaps with notional amounts of \$400.0 million and \$100.0 million with a counterparty that is currently rated Aa2/AA-, the termination threshold is reached when the credit quality rating for the underlying General Revenue Bonds falls below Baa2 or BBB, or the swap counterparty's rating falls below A3 or A-. For the swap with a notional amount of \$100.0 million with a counterparty that is currently rated Aa2/A+, the termination threshold is reached when the credit quality rating for the underlying General Revenue Bonds falls below Baa2 or BBB, or the swap counterparty's rating falls below A3 or A-. Upon termination, the University may also owe a termination payment if there is a realized loss based on the fair value of each interest rate swap.

## **Rollover Risk**

The University is exposed to rollover risk on hedging derivative instruments that are hedges of debt that mature or may be terminated prior to the maturity of the hedged debt. When these hedging derivative instruments terminate, the University will be re-exposed to the risks being hedged by the hedging derivative instruments. The University is exposed to rollover risk on the interest rate swaps that mature in June 2039 because the hedged debt is scheduled to mature in May 2048.

## **6. FAIR VALUE**

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Assets and liabilities reported at fair value are organized into a hierarchy based on the levels of inputs observable in the marketplace that are used to measure fair value. Inputs are used in applying the various valuation techniques and take into account the assumptions that market participants use to make valuation decisions. Inputs may include price information, credit data, liquidity statistics and other factors specific to the financial instrument. Observable inputs reflect market data obtained from independent sources. In contrast, unobservable inputs reflect the entity's assumptions about how market participants would value the financial instrument.

A financial instrument's level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. The following describes the hierarchy of inputs used to measure fair value and the primary valuation methodologies used for financial instruments measured at fair value on a recurring basis:

*Level 1* — Prices based on unadjusted quoted prices in active markets that are accessible for identical assets or liabilities are classified as Level 1. Level 1 investments include equity securities, commingled funds (exchange traded funds and mutual funds) and other publicly traded securities.

*Level 2* — Quoted prices in markets that are not considered to be active, dealer quotations or alternative pricing sources for similar assets or liabilities for which all significant inputs are observable, either directly or indirectly, are classified as Level 2. Level 2 investments include fixed- or variable-income securities, commingled funds, certain derivatives and other assets that are valued using market information.

*Level 3* — Investments, variable rate investment contracts, and other assets classified as Level 3 have significant unobservable inputs, as they trade infrequently or not at all. The inputs into the determination of fair value of these financial instruments are based upon the best information in the circumstance and may require significant management judgment. Level 3 financial instruments include private equity investments, real estate and beneficial interests in irrevocable split-interest agreements. The inputs into the determination of fair value of these investments are based upon the best information in the circumstance and may require significant management judgment. Level 3 investments include private equity investments, real assets and real estate.

*Net Asset Value (NAV)* — Investments whose fair value is measured at NAV are excluded from the fair value hierarchy. Investments in nongovernmental entities that do not have a readily determinable fair value may be valued at NAV. Investments measured at NAV include hedge funds, private equity investments and commingled funds.

*Not Leveled* — Cash and cash equivalents including pending trades and settlements within various pools are not measured at fair value and, thus, are not subject to the fair value disclosure requirements.

Tables 6.1a, 6.1b and 6.1c summarize the investments and other assets reported at fair value within the fair value hierarchy as of June 30, 2023:

**Table 6.1a: 2023 Investments and Other Assets Reported at Fair Value for the University**

(in thousands of dollars)	TOTAL	QUOTED PRICES IN ACTIVE MARKETS	OTHER OBSERVABLE INPUTS	UNOBSERVABLE INPUTS	NET ASSET VALUE	NOT LEVELED
		(Level 1)	(Level 2)	(Level 3)	(NAV)	
Equity securities	\$15,479,559	\$15,478,254		\$25	\$1,280	
Fixed- or variable-income securities:						
U.S. government-guaranteed	6,863,681			6,863,681		
Other U.S. dollar-denominated	10,996,909			10,996,909		
Commingled funds	12,290,911	414,089		(21)	2,049,545	\$9,795,861
Investment derivatives	2,451	77		2,374		\$31,437
Publicly traded real estate investment trusts	376,971	376,971				
Mortgage loans	934,755				934,755	
Real estate	190,344				33,127	157,217
Other investments	151,556				151,556	
Campus foundations' investments with the University	(4,717,138)					(4,717,138)
UCRS investment in STIP	(4,365,490)					(4,365,490)
Custodial investment funds	(595,102)					(595,102)
<b>Total investments</b>	<b>\$37,609,407</b>	<b>\$16,269,391</b>	<b>\$17,862,968</b>	<b>\$3,170,263</b>	<b>\$9,953,078</b>	<b>(\$9,646,293)</b>
<b>Securities lending investments of cash collateral</b>	<b>\$1,913,886</b>		<b>\$1,932,156</b>			<b>(\$18,270)</b>
<b>Investments held by trustees</b>	<b>\$444,925</b>	<b>\$183,267</b>	<b>\$100,730</b>		<b>\$2,157</b>	<b>\$158,771</b>
<b>Beneficial interests included in other noncurrent assets</b>	<b>\$54,756</b>				<b>\$54,756</b>	

**Table 6.1b: 2023 Investments and Other Assets Reported at Fair Value for the Foundations**

(in thousands of dollars)	TOTAL	QUOTED PRICES IN ACTIVE MARKETS	OTHER OBSERVABLE INPUTS	UNOBSERVABLE INPUTS	NET ASSET VALUE	NOT LEVELED
		(Level 1)	(Level 2)	(Level 3)	(NAV)	
Equity securities	\$85,519	\$56,471		\$297	\$28,751	
Fixed- or variable-income securities:						
U.S. government-guaranteed	565,013			565,013		
Other U.S. dollar-denominated	370,372			370,318	54	
Foreign currency-denominated	934			934		
Commingled funds	13,851,432	937,256		403	116,166	\$12,693,459
Investment derivatives	48	48				\$104,148
Real estate	308,288				38,193	270,095
Other investments	338,641	4,303			1,964	330,524
Futures and options contracts	10,059			10,059		1,850
Custodial investment funds	(705,961)	(9,024)		(12,896)	(1,613)	(347,455)
<b>Total investments</b>	<b>\$14,824,345</b>	<b>\$989,054</b>	<b>\$934,128</b>	<b>\$183,515</b>	<b>\$12,946,623</b>	<b>(\$228,975)</b>
<b>Beneficial interests included in other noncurrent assets</b>	<b>\$74,071</b>				<b>\$74,071</b>	

**Table 6.1c: 2023 Investments and Other Assets Reported at Fair Value for UC RS**

(in thousands of dollars)	TOTAL	QUOTED PRICES IN ACTIVE MARKETS	OTHER OBSERVABLE INPUTS	UNOBSERVABLE INPUTS	NET ASSET VALUE	NOT LEVELED
		(Level 1)	(Level 2)	(Level 3)	(NAV)	
Equity securities	\$58,291,786	\$58,287,558			\$4,228	
Fixed- or variable-income securities:						
U.S. government-guaranteed	7,953,360			\$7,953,360		
Other U.S. dollar-denominated	11,979,680	3,966	11,975,714			
Commingled funds	36,641,392	2,608,925	(14,927)	4,275,136	\$30,988,707	(\$1,216,449)
Investment derivatives	15,235	4,817	10,418			
Publicly traded real estate investment trusts	2,126,913	2,126,913				
Other investments	548,539			367,396	181,143	
Real estate	1,242,310			845	1,241,465	
<b>Total investments</b>	<b>\$118,799,215</b>	<b>\$63,032,179</b>	<b>\$19,924,565</b>	<b>\$4,647,605</b>	<b>\$32,411,315</b>	<b>(\$1,216,449)</b>
<b>Securities lending investments of cash collateral</b>	<b>\$8,621,760</b>		<b>\$8,704,194</b>			<b>(\$82,434)</b>

Tables 6.2a, 6.2b and 6.2c summarize the investments and other assets reported at fair value within the fair value hierarchy as of June 30, 2022:

**Table 6.2a: 2022 Investments and Other Assets Reported at Fair Value for the University**

(in thousands of dollars)	TOTAL	QUOTED PRICES IN ACTIVE MARKETS	OTHER OBSERVABLE INPUTS	UNOBSERVABLE INPUTS	NET ASSET VALUE	NOT LEVELED
		(Level 1)	(Level 2)	(Level 3)	(NAV)	
Equity securities	\$12,242,327	\$12,195,282		\$796	\$46,249	
Fixed- or variable-income securities:						
U.S. government-guaranteed	6,225,511			6,225,511		
Other U.S. dollar-denominated	11,712,940			11,712,940		
Commingled funds	12,444,837	1,411,312	55	469,782	\$10,737,769	(\$174,081)
Investment derivatives	(774)	4,479	(5,253)			
Publicly traded real estate investment trusts	514,950	514,950				
Mortgage loans	685,634				685,634	
Real estate	262,717			31,951	230,766	
Other investments	154,642				154,642	
Campus foundations' investments with the University	(4,414,014)					(4,414,014)
UCRS investment in STIP	(2,030,439)					(2,030,439)
Custodial investment funds	(457,450)					(457,450)
<b>Total investments</b>	<b>\$37,340,881</b>	<b>\$14,126,023</b>	<b>\$17,934,049</b>	<b>\$1,388,258</b>	<b>\$10,968,535</b>	<b>(\$7,075,984)</b>
<b>Securities lending investments of cash collateral</b>	<b>\$2,162,520</b>		<b>\$2,163,975</b>			<b>(\$1,455)</b>
<b>Investments held by trustees</b>	<b>\$534,301</b>	<b>\$389,806</b>	<b>\$49,369</b>		<b>\$14,094</b>	<b>\$81,032</b>
<b>Beneficial interests included in other noncurrent assets</b>	<b>\$50,679</b>			<b>\$50,679</b>		

**Table 6.2b: 2022 Investments and Other Assets Reported at Fair Value for the Foundations**

(in thousands of dollars)	TOTAL	QUOTED PRICES IN ACTIVE MARKETS	OTHER OBSERVABLE INPUTS	UNOBSERVABLE INPUTS	NET ASSET VALUE	NOT LEVELED
		(Level 1)	(Level 2)	(Level 3)	(NAV)	
Equity securities	\$180,715	\$149,315	\$3,807	\$27,593		
Fixed- or variable-income securities:						
U.S. government-guaranteed	265,892		265,892			
Other U.S. dollar-denominated	340,643		340,589	54		
Foreign currency-denominated	923		923			
Commingled funds	12,470,819	814,996	443	171,451	\$11,084,638	\$399,291
Investment derivatives	9,182	(50)	9,232			
Real estate	279,956		902	30,430	248,624	
Other investments	442,357	4,324		2,528	432,497	3,008
Custodial investment funds	(716,452)	(6,756)	(11,050)	(1,810)	(360,453)	(336,383)
<b>Total investments</b>	<b>\$13,274,035</b>	<b>\$961,829</b>	<b>\$610,738</b>	<b>\$230,246</b>	<b>\$11,405,306</b>	<b>\$65,916</b>
<b>Beneficial interests included in other noncurrent assets</b>		<b>\$77,314</b>			<b>\$77,314</b>	

**Table 6.2c: 2022 Investments and Other Assets Reported at Fair Value for UCFS**

(in thousands of dollars)	TOTAL	QUOTED PRICES IN ACTIVE MARKETS	OTHER OBSERVABLE INPUTS	UNOBSERVABLE INPUTS	NET ASSET VALUE	NOT LEVELED
		(Level 1)	(Level 2)	(Level 3)	(NAV)	
Equity securities	\$50,442,124	\$50,442,124				
Fixed- or variable-income securities:						
U.S. government-guaranteed	7,285,654		7,285,654			
Other U.S. dollar-denominated	13,164,801	9,096	13,155,705			
Commingled funds	33,038,968	1,206,712	1,115	\$1,043,286	\$30,447,598	\$340,257
Investment derivatives	9,535	21,664	(12,129)			
Publicly traded real estate investment trusts	2,810,741	2,810,741				
Other investments	576,364			379,465	196,899	
Real estate	1,811,614			1,379	1,810,235	
<b>Total investments</b>	<b>\$109,139,801</b>	<b>\$54,490,337</b>	<b>\$20,430,345</b>	<b>\$1,424,130</b>	<b>\$32,454,732</b>	<b>\$340,257</b>
<b>Securities lending investments of cash collateral</b>	<b>\$10,400,999</b>		<b>\$10,407,997</b>			<b>(\$6,998)</b>

Tables 6.3a, 6.3b and 6.3c present significant terms of certain investments at June 30, 2023:

**Table 6.3a: Significant Terms of Investments for the University**

(in thousands of dollars) INVESTMENT TYPE	FAIR VALUE	UNFUNDED COMMITMENTS	REMAINING LIFE (YEARS)	REDEMPTION TERMS AND RESTRICTIONS
Absolute return	\$1,014,215			Not eligible for redemption and lock-up provisions ranging from 0 to 3 years. For securities not eligible for redemption, the underlying assets are estimated to be liquidated within 3 to 5 years. For securities eligible for redemption, after initial lock-up expires, the redemption is available on a rolling basis and requires 30 to 365 days' prior notification.
Private equity	4,619,151	\$1,424,562	0 to 15	Not eligible for redemption.
Private credit	1,066,727	101,050	0 to 10	Not eligible for redemption and lock-up provisions ranging from 0 to 10 years. For securities not eligible for redemption, the underlying assets are estimated to be liquidated within 3 to 7 years. For securities eligible for redemption, after initial lock-up expires, the redemption is available on a rolling basis and requires 30 to 365 days' prior notification before winding down.
Real assets	747,767	140,906	0 to 15	Not eligible for redemption.
Real estate and real estate investment trusts	2,675,867	273,767	0 to 10	Closed-end funds are not eligible for redemption. For open-end funds, redemption is generally on a quarterly basis where the redemption date is the last day of each quarter. Payments of withdrawal requests are generally made within four quarters.
U.S. equity funds	3,204			Redemption generally requires at least 0 to 90 days' written notice of intention to terminate as of a date specified in the notice. Payments of withdrawal requests are generally made within 0 to 120 days.
Non-U.S. equity funds	1,633,719			Redemption requires at least 0 to 180 days' written notice of intention to terminate as of a date determined by the legal agreement between the investment manager and The Regents. Withdrawals may occur on the last business day of the month and are subject to certain withdrawal guidelines.
Balanced funds	315,156			Redemption requires at least 12 months' prior written notice of intention to terminate as of a date specified in the notice. Withdrawals will occur on the last business day of the month and are subject to certain withdrawal guidelines.

**Table 6.3b: Significant Terms of Investments for the Foundations**

(in thousands of dollars) INVESTMENT TYPE	FAIR VALUE	UNFUNDED COMMITMENTS	REMAINING LIFE (YEARS)	REDEMPTION TERMS AND RESTRICTIONS
Absolute return	\$3,059,939	\$14,758	0 to 1	Generally, lock-up provisions ranging from 0 to 3 years. After initial lock-up expires, redemptions are available and require 30 to 180 days' prior notification.
Private equity	2,838,595	568,123	0 to 15	Generally, lock-up provisions ranging from 0 to 16 years. After initial lock-up expires, redemptions are available and require 30 to 180 days' prior notification.
Real assets	80,324	7,923	0 to 12	Not eligible for redemption.
Real estate and real estate investment trusts	547,493	122,980	0 to 12	Not eligible for redemption.
U.S. equity and non-U.S. equity funds	2,665,438		0 to 15	Generally, lock-up provisions ranging from 0 to 4 years. After initial lock-up expires, redemptions are available and require 0 to 365 days' prior notification.

**Table 6.3c: Significant Terms of Investments for UCRS**

(in thousands of dollars) INVESTMENT TYPE	FAIR VALUE	UNFUNDED COMMITMENTS	REMAINING LIFE (YEARS)	REDEMPTION TERMS AND RESTRICTIONS
Absolute return	\$1,779,371			Not eligible for redemption and lock-up provisions ranging from 0 to 3 years. For securities not eligible for redemptions the underlying assets are estimated to be liquidated within 3 to 5 years. For securities eligible for redemptions, after initial lock-up expires, redemptions are available on a rolling basis and require 30 to 365 days' prior notification.
Private equity	9,232,758	3,444,656	0 to 15	Not eligible for redemption.
Private credit	3,084,346	526,019	0 to 10	Not eligible for redemption and lock-up provisions ranging from 0 to 10 years. For securities not eligible for redemptions the underlying assets are estimated to be liquidated within 3 to 7 years. For securities eligible for redemptions, after initial lock-up expires, redemptions are available on a rolling basis and require 30 to 365 days' prior notification before winding down.
Real assets	4,032,506	795,481	0 to 15	Not eligible for redemption.
U.S. equity funds	2,880,961			Redemption generally requires at least 0 to 90 days written notice of intention to terminate as of a date specified in the notice. Payments of withdrawal requests are generally made within 0 to 120 days.
Non-U.S. equity funds	4,101,538			Redemption requires at least 0 to 180 days' prior written notice of intention to terminate as of a date determined by the legal agreement between the investment manager and The Regents. Withdrawals may occur on the last business day of the month and are subject to certain withdrawal guidelines.
Real estate and real estate investment trusts	7,410,134	523,457	0 to 10	Closed-end funds are not eligible for redemption. For open-end funds, redemptions are generally on a quarterly basis where the redemption date is the last day of each quarter. Payments of withdrawal requests are generally made within four quarters.

## 7. INVESTMENTS HELD BY TRUSTEES

The University has entered into agreements with trustees to maintain trusts for compliance with the University's long-term debt requirements, capital projects and certain other requirements.

### Capital Projects

Proceeds from the sale of bonds for the design and construction of third-party blended component unit housing facilities are held by trustees. The fair value of these investments was \$271.5 million and \$461.8 million at June 30, 2023 and 2022, respectively. Substantially all of these investments are of a highly liquid, short-term nature.

## 8. ACCOUNTS RECEIVABLE

Accounts receivable and the allowance for uncollectible accounts are shown in Table 8.1:

**Table 8.1: Accounts Receivable and the Allowance for Uncollectible Accounts**

(in thousands of dollars)	UNIVERSITY						CAMPUS FOUNDATIONS
	STATE AND FEDERAL GOVERNMENT	MEDICAL CENTERS	INVESTMENT SALES	PRIVATE GRANTS AND CONTRACTS	MEDICAL PROFESSIONAL FEES	OTHER	
<i>At June 30, 2023</i>							
Accounts receivable	\$1,001,618	\$3,716,381	\$594,299	\$711,559	\$695,098	\$1,139,966	\$7,858,921
Allowance for uncollectible accounts	(18,359)	(607,888)		(49,341)	(186,888)	(66,532)	(929,008)
<b>Accounts receivable, net</b>	<b>\$983,259</b>	<b>\$3,108,493</b>	<b>\$594,299</b>	<b>\$662,218</b>	<b>\$508,210</b>	<b>\$1,073,434</b>	<b>\$6,929,913</b>
<i>At June 30, 2022</i>							
Accounts receivable	\$1,195,903	\$3,174,266	\$115,301	\$629,119	\$646,796	\$1,171,544	\$6,932,929
Allowance for uncollectible accounts	(11,354)	(521,589)		(47,547)	(180,078)	(48,162)	(808,730)
<b>Accounts receivable, net</b>	<b>\$1,184,549</b>	<b>\$2,652,677</b>	<b>\$115,301</b>	<b>\$581,572</b>	<b>\$466,718</b>	<b>\$1,123,382</b>	<b>\$6,124,199</b>

The University's other accounts receivable are primarily related to investment income, tuition and fees, auxiliary enterprises, insurance rebates and legal settlements.

The campus foundations' accounts receivable are primarily related to investment income.

The allowance for uncollectible accounts has changed the following revenues for the University for the years ended June 30 as shown in Table 8.2:

**Table 8.2: Allowance for Uncollectible Accounts**

(In thousands of dollars)	2023	2022
Student tuition and fees	(\$9,426)	(\$2,682)
Grants and contracts:		
Federal	(1,383)	(1,550)
State	(7,751)	(1,954)
Private	(5,782)	(25,002)
Local	29	(562)
Medical centers	(339,734)	(217,683)
Educational activities	(50,310)	(23,683)
Auxiliary enterprises	(3,864)	(2,995)
Other operating revenues	(6,167)	(8,166)
<b>Allowance for uncollectible accounts</b>	<b>(\$424,388)</b>	<b>(\$284,277)</b>

## 9. PLEDGES RECEIVABLE

The composition of pledges receivable at June 30 is summarized in Table 9.1:

**Table 9.1: Composition of Pledges Receivable**

(in thousands of dollars)	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS
	2023	2022	2023	2022
Total pledges receivable outstanding	\$64,197	\$92,488	\$1,900,812	\$1,429,468
Unamortized discount to present value	(372)	(248)	(170,341)	(118,716)
Allowance for uncollectible pledges	(10,061)	(10,524)	(79,773)	(82,310)
<b>Total pledges receivable, net</b>	<b>53,764</b>	<b>81,716</b>	<b>1,650,698</b>	<b>1,228,442</b>
Current portion of pledges receivable	(34,964)	(49,408)	(307,168)	(480,206)
<b>Noncurrent portion of pledges receivable</b>	<b>\$18,800</b>	<b>\$32,308</b>	<b>\$1,343,530</b>	<b>\$748,236</b>

Future receipts under pledge agreements for each of the five fiscal years subsequent to June 30, 2023 and thereafter are shown in Table 9.2:

**Table 9.2: Future Receipts Under Pledge Agreements**

(in thousands of dollars)	UNIVERSITY OF CALIFORNIA	UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS
<i>Year Ending June 30</i>		
2024	\$43,419	\$357,558
2025	11,321	288,437
2026	4,954	234,982
2027	4,102	230,213
2028	121	194,899
2029-2033	30	354,690
Beyond 2033	250	240,033
<b>Total payments on pledges receivable</b>	<b>\$64,197</b>	<b>\$1,900,812</b>

## 10. NOTES AND MORTGAGES RECEIVABLE

The University's notes and mortgage receivable at June 30, 2023 and 2022 are shown in Table 10.1:

**Table 10.1: Notes and Mortgage Receivable**

(in thousands of dollars)	CURRENT	NONCURRENT		
		NOTES	MORTGAGES	TOTAL
<i>At June 30, 2023</i>				
Notes and mortgages receivable	\$68,757	\$324,984	\$24,518	\$349,502
Allowance for uncollectible amounts	(2,020)	(19,364)	(151)	(19,515)
<b>Notes and mortgages receivable, net</b>	<b>\$66,737</b>	<b>\$305,620</b>	<b>\$24,367</b>	<b>\$329,987</b>
<i>At June 30, 2022</i>				
Notes and mortgages receivable	\$67,610	\$323,667	\$20,641	\$344,308
Allowance for uncollectible amounts	(3,859)	(11,401)		(11,401)
<b>Notes and mortgages receivable, net</b>	<b>\$63,751</b>	<b>\$312,266</b>	<b>\$20,641</b>	<b>\$332,907</b>

## 11. CAPITAL ASSETS

The University's capital asset activity for the years ended June 30 is shown in Table 11.1:

**Table 11.1: University's Capital Asset Activity**

(in thousands of dollars)	2021	ADDITIONS / TRANSFERS	DISPOSALS	2022	ADDITIONS / TRANSFERS	DISPOSALS	2023
<b>ORIGINAL COST</b>							
Land	\$1,477,442	\$66,663		\$1,544,105	\$187,975	(\$12,706)	\$1,719,374
Infrastructure	940,500	23,502		964,002	95,739		1,059,741
Buildings and improvements	47,281,574	2,622,051	(\$16,269)	49,887,356	1,456,693	(29,340)	51,314,709
Equipment, software and intangibles	9,617,372	648,053	(489,833)	9,775,592	789,688	(369,929)	10,195,351
Leases	2,947,422	354,914	(233,851)	3,068,485	520,974	(293,660)	3,295,799
Subscription-based IT arrangements		319,298		319,298	85,977	(9,155)	396,120
Libraries and collections	4,637,432	153,884	(18,845)	4,772,471	162,519	(20,648)	4,914,342
Special collections	605,639	12,526	(24)	618,141	30,690	(1,638)	647,193
Construction in progress	4,504,361	122,617		4,626,978	1,671,615	(33,630)	6,264,963
<b>Capital assets, at original cost</b>	<b>\$72,011,742</b>	<b>\$4,323,508</b>	<b>(\$758,822)</b>	<b>\$75,576,428</b>	<b>\$5,001,870</b>	<b>(\$770,706)</b>	<b>\$79,807,592</b>
 <b>DEPRECIATION AND AMORTIZATION</b>							
	2021	DISPOSALS	2022	DISPOSALS	2023		
<b>ACCUMULATED DEPRECIATION AND AMORTIZATION</b>							
Infrastructure	\$481,400	\$30,085	(\$2,256)	\$509,229	\$32,471		\$541,700
Buildings and improvements	20,435,269	1,511,091	(103,460)	21,842,900	1,551,388	(\$67,813)	23,326,475
Equipment, software and intangibles	6,740,830	659,947	(480,569)	6,920,208	717,228	(332,626)	7,304,810
Leases	556,855	283,005	(77,339)	762,521	289,968	(94,328)	958,161
Subscription-based IT arrangements		68,263		68,263	97,060	(9,155)	156,168
Libraries and collections	3,462,246	142,484	(24,847)	3,579,883	141,583	(5,095)	3,716,371
<b>Accumulated depreciation and amortization</b>	<b>\$31,676,600</b>	<b>\$2,694,875</b>	<b>(\$688,471)</b>	<b>\$33,683,004</b>	<b>\$2,829,698</b>	<b>(\$509,017)</b>	<b>36,003,685</b>
<b>Capital assets, net</b>	<b>\$40,335,142</b>			<b>\$41,893,424</b>			<b>\$43,803,907</b>

Service concession arrangements, reported as buildings and improvements, are \$278.7 million of original cost and \$51.4 million of accumulated depreciation at June 30, 2023, and are \$276.3 million of original cost and \$43.9 million of accumulated depreciation at June 30, 2022.

## 12. SELF-INSURANCE AND OTHER LIABILITIES

The University's self-insurance, obligations under life income agreements and other liabilities at June 30, 2023 and 2022 are shown in Table 12.1:

**Table 12.1: Self Insurance, Obligations Under Life Income Agreements and Other Liabilities**

(in thousands of dollars)	UNIVERSITY OF CALIFORNIA				UNIVERSITY OF CALIFORNIA CAMPUS FOUNDATIONS			
	2023		2022		2023		2022	
	CURRENT	NONCURRENT	CURRENT	NONCURRENT	CURRENT	NONCURRENT	CURRENT	NONCURRENT
Self-insurance programs	\$596,454	<b>\$1,392,511</b>	\$1,146,030	<b>\$1,179,514</b>				
Obligations under life income agreements	1,331	<b>\$32,891</b>	1,192	<b>\$33,784</b>	\$16,449	<b>\$135,177</b>	\$16,815	<b>\$133,808</b>
Other liabilities:								
Compensated absences	880,488	\$466,650	863,481	\$504,283				
Accrued interest	217,607		203,914					
Fair value of interest rate swaps		63,151		1,178				
Short-term advances	3,955		88,369					
Other	924,016	351,978	973,393	451,821	123,226	44,130	135,793	39,251
<b>Total</b>	<b>\$2,623,851</b>	<b>\$881,779</b>	<b>\$3,276,379</b>	<b>\$957,282</b>	<b>\$139,675</b>	<b>\$44,130</b>	<b>\$152,608</b>	<b>\$39,251</b>

### Self-Insurance Programs

Self-insured liabilities changed as shown in Table 12.2 for the years ended June 30:

**Table 12.2: Self-Insured Liabilities**

(in thousands of dollars)	MEDICAL MALPRACTICE	WORKERS' COMPENSATION	EMPLOYEE & STUDENT HEALTH CARE	GENERAL LIABILITY AND OTHER	TOTAL
Liabilities at June 30, 2022	\$245,162	\$854,774	\$264,042	\$961,566	\$2,325,544
Claims incurred and changes in estimates	97,557	290,242	2,169,974	(68,801)	2,488,972
Claim payments	(66,005)	(86,210)	(2,121,260)	(552,076)	(2,825,551)
<b>Liabilities at June 30, 2023</b>	<b>\$276,714</b>	<b>\$1,058,806</b>	<b>\$312,756</b>	<b>\$340,689</b>	<b>\$1,988,965</b>
<b>Discount rate</b>	<b>3.0%</b>	<b>3.0%</b>	<b>Undiscounted</b>	<b>3.0%</b>	
Liabilities at June 30, 2021	\$233,803	\$663,635	\$178,448	\$776,911	\$1,852,797
Claims incurred and changes in estimates	55,705	269,523	2,033,906	248,764	2,607,898
Claim payments	(44,346)	(78,384)	(1,948,312)	(64,109)	(2,135,151)
<b>Liabilities at June 30, 2022</b>	<b>\$245,162</b>	<b>\$854,774</b>	<b>\$264,042</b>	<b>\$961,566</b>	<b>\$2,325,544</b>
<b>Discount rate</b>	<b>3.0%</b>	<b>3.0%</b>	<b>Undiscounted</b>	<b>3.0%</b>	

## 13. DEBT

The University directly finances the construction, renovation and acquisition of facilities and equipment, or such other purposes as authorized by The Regents through the issuance of debt obligations or indirectly through structures that involve legally separate entities reported as blended component units. Commercial paper and bank loans provide interim financing. Long-term financing includes revenue bonds, financing obligations and other borrowings.

The University's outstanding debt at June 30 is shown in Table 13.1:

**Table 13.1: Outstanding Debt**

(in thousands of dollars)	WEIGHTED AVERAGE INTEREST RATE	INTEREST RATE RANGE	MATURITY YEARS	2023	2022
<b>INTERIM FINANCING:</b>					
Commercial paper		2.6 - 5.3%	2024	\$885,000	\$945,000
<b>LONG-TERM FINANCING:</b>					
University of California General Revenue Bonds:					
Fixed rate	4.6%	0.4 - 7.6%	2024 - 2115	14,549,785	13,928,370
Variable rate	3.2%	2.9 - 5.1%	2024 - 2048	1,094,380	750,000
University of California Limited Project Revenue Bonds	4.6%	0.6 - 6.3%	2024 - 2058	5,395,150	5,559,335
University of California Medical Center Pooled Revenue Bonds:					
Fixed rate	4.2%	2.3 - 6.6%	2024 - 2120	6,693,845	7,096,985
Variable rate	3.1%	3 - 3.2%	2024 - 2047	221,905	229,415
Unamortized bond premium				1,669,815	1,502,512
<b>University of California revenue bonds</b>	<b>4.4%</b>			<b>29,624,880</b>	<b>29,066,617</b>
Financing obligations		Various	2024 - 2042	62,244	80,868
Other University borrowings		Various	2024 - 2091	750,220	844,735
Leases		Various	2024 - 2120	2,568,717	2,487,704
Subscription-based information technology arrangements		Various	2024 - 2034	181,066	188,564
Blended component unit revenue bonds, net	4.0%	3 - 6.5%	2024 - 2054	2,268,648	2,316,393
<b>Total outstanding debt</b>				<b>36,340,775</b>	<b>35,929,881</b>
Less: Commercial paper				(885,000)	(945,000)
Current portion of outstanding debt				(2,602,168)	(2,116,095)
<b>Noncurrent portion of outstanding debt</b>				<b>\$32,853,607</b>	<b>\$32,868,786</b>

The activity with respect to the University's current and noncurrent debt, including the revenue bonds associated with blended component units, for the years ended June 30 is shown in Table 13.2:

**Table 13.2: Current and Noncurrent Debt Activity**

(in thousands of dollars)	UNIVERSITY REVENUE BONDS	FINANCING OBLIGATIONS, LEASES AND SUBSCRIPTION-BASED IT ARRANGEMENTS	OTHER UNIVERSITY BORROWINGS	BLENDED COMPONENT UNIT REVENUE BONDS	TOTAL
Long-term debt at June 30, 2022	\$29,066,617	\$2,757,136	\$844,735	\$2,316,393	\$34,984,881
New obligations	3,253,920	515,933			3,769,853
Bond premium, net	308,599				308,599
Refinancing or prepayment of outstanding debt	(2,324,165)	(105,805)			(2,429,970)
Scheduled principal payments	(538,795)	(355,253)	(94,515)	(32,155)	(1,020,718)
Amortization of bond premium	(141,280)			(15,590)	(156,870)
<b>Long-term debt at June 30, 2023</b>	<b>29,624,896</b>	<b>2,812,011</b>	<b>750,220</b>	<b>2,268,648</b>	<b>35,455,775</b>
Less: Current portion	(2,081,078)	(326,183)	(143,940)	(50,967)	(2,602,168)
<b>Noncurrent portion at June 30, 2023</b>	<b>\$27,543,818</b>	<b>\$2,485,828</b>	<b>\$606,280</b>	<b>\$2,217,681</b>	<b>\$32,853,607</b>
Long-term debt at June 30, 2021	\$26,611,233	\$2,589,434	\$889,472	\$2,207,717	\$32,297,856
New obligations	3,411,710	584,144		191,250	4,187,104
Bond premium, net	139,328			25,212	164,540
Refinancing or prepayment of outstanding debt	(495,535)	(39,293)	(114)	(76,820)	(611,762)
Scheduled principal payments	(503,725)	(377,149)	(44,623)	(20,510)	(946,007)
Amortization of bond premium	(96,394)			(10,456)	(106,850)
<b>Long-term debt at June 30, 2022</b>	<b>29,066,617</b>	<b>2,757,136</b>	<b>844,735</b>	<b>2,316,393</b>	<b>34,984,881</b>
Less: Current portion	(1,614,728)	(321,359)	(145,022)	(34,986)	(2,116,095)
<b>Noncurrent portion at June 30, 2022</b>	<b>\$27,451,889</b>	<b>\$2,435,777</b>	<b>\$699,713</b>	<b>\$2,281,407</b>	<b>\$32,868,786</b>

## Commercial Paper

The University has available a \$2.0 billion commercial paper program, issued in two series, with tax-exempt and taxable components. Commercial paper may be issued for interim financing for capital projects or equipment, financing for working capital for the medical centers, standby or interim financing for gift-financed projects and working capital for the University.

The program's liquidity is primarily supported by available investments in STIP, BGP and TRIP. Commercial paper is collateralized by a pledge of the revenues derived from the ownership or operation of the projects financed and constitutes limited obligations of the University. There is no encumbrance, mortgage or other pledge of property securing commercial paper and the paper does not constitute general obligations of the University.

Commercial paper outstanding, including interest rates, at June 30 is shown in Table 13.3:

**Table 13.3: Commercial Paper**

(in thousands of dollars)	2023	2023	2022	2022
	INTEREST RATES	OUTSTANDING	INTEREST RATES	OUTSTANDING
Tax-exempt	2.6 - 3.6%	\$550,000	1.19 - 1.2%	\$23,900
Taxable	5.1 - 5.3%	335,000	0.26 - 2.2%	921,100
<b>Total outstanding</b>		<b>\$885,000</b>		<b>\$945,000</b>

The expectation is that the University will continue to utilize available investments for liquidity support of the commercial paper program. Alternatively, the University may utilize lines of credit from external banks for the purpose of providing additional liquidity support for the commercial paper program. As of June 30, 2023, the University has two revolving credit agreements totaling \$700.0 million. There were no borrowings against the revolving credit lines as of June 30, 2023.

## University of California Revenue Bonds

Revenue bonds have financed various auxiliary, administrative, academic, medical center and research facilities of the University. The bonds generally have annual principal and semiannual or monthly interest payments, serial and term maturities, contain sinking fund requirements and may have optional redemption provisions. Revenue bonds are not collateralized by any encumbrance, mortgage or other pledge of property, except pledged revenues, and do not constitute general obligations of The Regents. Revenue bond indentures require the University to use the facilities in a way which will not cause the interest on the tax-exempt bonds to be included in the gross income of the bondholders for federal tax purposes. The indentures permit the University to issue additional bonds as long as certain conditions are met.

General revenue bonds are collateralized solely by general revenues as defined in the general revenue bond indenture. General revenues are certain operating and nonoperating revenues of the University consisting of gross student tuition and fees; a portion of state appropriations; facilities and administrative cost recovery from contracts and grants; revenues from educational, auxiliary and other activities; and other revenues, including unrestricted investment income. The General revenue bond indenture requires the University to set rates, charges and fees each year sufficient for general revenues to pay for the annual principal and interest on the bonds and certain other covenants. The pledge of general revenues for interest rate swap agreements is on a parity basis with the University's general revenue bonds. General revenues for the years ended June 30, 2023 and 2022 were \$21.2 billion and \$19.5 billion, respectively.

Limited project revenue bonds are issued to finance auxiliary enterprises and are collateralized by a pledge consisting of the sum of the gross revenues of specific projects. The limited project revenue bond indenture requires the University to achieve the sum of revenues equal to 1.1 times debt service and to maintain certain other covenants. The pledge of revenues for limited project revenue bonds is subordinate to the pledge of revenues for general revenue bonds, but senior to pledges for commercial paper notes. Pledged revenues for the years ended June 30, 2023 and 2022 were \$1.8 billion and \$1.5 billion, respectively.

Medical center pooled revenue bonds are issued to finance the University's medical center facilities and are collateralized by joint and several pledges of the gross revenues of all five of the University's medical centers. Medical center gross revenues are excluded from general revenues. The medical center pooled revenue bond indenture requires the medical centers to set rates, charges and fees each year sufficient for the medical centers' total operating and nonoperating revenues to pay for the annual principal and interest on the bonds and certain other covenants. The pledge of medical center revenues for interest rate swap agreements may be at parity with, or subordinate to, medical center pooled revenue bonds. Pledged revenues of the medical centers for the years ended June 30, 2023 and 2022 were \$19.5 billion and \$17.6 billion, respectively.

## **2023 Activity**

In February 2023, general revenue bonds totaling \$2.2 billion, including \$2.1 billion in tax-exempt bonds, were issued to finance or refinance the acquisition, construction, improvement and renovation of certain facilities of the University. The bonds mature at various dates through 2048. Proceeds of the bonds, including a bond premium of \$245.6 million, were used to pay for project construction, refinancing and issuance costs. The fixed-rate tax-exempt bonds have a stated weighted average interest rate of 5.0 percent. The taxable bonds have a stated weighted average interest rate of 4.7 percent. The University also issued tax-exempt variable rate bonds for which the interest rate will reset each business day. The deferred premium will be amortized as a reduction to interest expense over the term of the bonds. The refinancing and refunding of previously outstanding bonds resulted in cash flow savings of \$411.4 million and an economic gain of \$324.8 million.

In September 2022, general revenue bonds totaling \$767.5 million, including \$702.3 million in tax-exempt bonds and \$65.2 million in taxable bonds, were issued to finance the acquisition, construction, improvement and renovation of certain facilities of the University. The bonds mature at various dates through 2052. Proceeds of the bonds, including a bond premium of \$121.6 million, were used to pay for project construction and issuance costs. The tax-exempt bonds have a stated weighted average interest rate of 5.0 percent. The taxable bonds have a stated weighted average interest rate of 4.5 percent. The deferred premium will be amortized as a reduction to interest expense over the term of the bonds.

In August 2022, the University priced \$318.0 million of tax-exempt general revenue bonds that were delivered in February 2023. Proceeds of the bonds, including a bond premium of \$39.9 million, were used to pay for issuance costs and to repay \$348.8 million of outstanding general revenue bonds at the call date. The bonds have a stated weighted average interest rate of 5.0 percent. The deferred premium will be amortized as a reduction to interest expense over the term of the bonds. The refinancing and refunding of previously outstanding bonds resulted in cash flow savings of \$38.6 million and an economic gain of \$34.4 million.

## **2022 Activity**

In May 2022, medical center revenue bonds totaling \$3.0 billion, including \$1.1 billion in taxable bonds, were issued for working capital purposes and to finance the acquisition, construction, improvement and renovation of certain facilities at the University's medical centers. The bonds mature at various dates through 2054 and have a stated weighted average interest rate of 4.5 percent. Proceeds of \$400.0 million of the taxable bonds will be used for operations. Proceeds of the tax-exempt bonds, including a bond premium of \$100.2 million, and the remaining proceeds of the taxable bonds, were issued to pay for project construction and issuance costs. The deferred premium will be amortized as a reduction to interest expense over the term of the bonds.

In March 2021, the University priced \$411.7 million of tax-exempt limited project revenue bonds that were delivered in February 2022. Proceeds of the bonds, including a bond premium of \$90.9 million, were used to pay for issuance costs and to repay \$495.5 million of outstanding limited project revenue bonds at the call date. The bonds have a stated weighted average interest rate of 5.0 percent. The deferred premium will be amortized as a reduction to interest expense over the term of the bonds.

## **Leases**

The University has leases for land, buildings and equipment under agreements that extend through 2120. Some leases include one or more options to renew, with renewal terms that can extend the lease term from one to 39 years. Leases may also include options to terminate the leases.

Certain of the University's lease agreements include rental payments adjusted periodically primarily for inflation. The lease agreements do not contain any material lease incentive received, residual value guarantees, material restrictive covenants or material termination penalties. The University also subleases certain real estate to third parties.

The University measures the lease liability at the present value of payments expected to be made during the lease term. Leases with a term of 12 months or less, real estate leases with cumulative undiscounted payments of less than \$300,000 (including option periods) or equipment leases with cumulative undiscounted payments of less than \$100,000 (including option periods) are recognized as operating expense on a straight-line basis over the lease term. If the interest rate implicit in the lease cannot be readily determined, the University uses an incremental borrowing rate to discount the lease payments, which is an estimate of the interest rate that would be charged for borrowing the lease payment amounts during the lease term.

Future minimum payments on the University's leases with an initial or remaining non-cancelable term in excess of one year are shown in Table 13.4:

**Table 13.4: Future Minimum Payments on Leases**

(in thousands of dollars)	PRINCIPAL	INTEREST	TOTAL PAYMENTS
<i>Year Ending June 30</i>			
2024	\$237,853	\$90,424	\$328,277
2025	232,714	81,585	314,299
2026	212,439	74,559	286,998
2027	194,297	66,342	260,639
2028	185,463	59,229	244,692
2029-2033	742,746	203,798	946,544
2034-2038	440,934	91,645	532,579
2039-2043	174,398	33,414	207,812
2044-2048	54,216	17,671	71,887
2049-2053	40,471	10,518	50,989
2054-2058	22,799	6,245	29,044
2059-2063	21,451	3,039	24,490
2064-2068		3,113	3,113
2069-2073		4,050	4,050
2074-2078		4,050	4,050
2079-2083		5,822	5,822
2084-2088		7,088	7,088
2089-2093		7,088	7,088
2094-2098		7,088	7,088
2099-2103		7,088	7,088
2104-2108		7,088	7,088
2109-2113	1,199	5,888	7,087
2114-2118	6,099	988	7,087
2119-2120	1,499	37	1,536
<b>Total</b>	<b>\$2,568,578</b>	<b>\$797,857</b>	<b>\$3,366,435</b>

### Subscription-based Information Technology Arrangements

The University has subscription-based information technology arrangements (SBITAs) under agreements that extend through 2034. Some SBITAs include one or more options to renew, with renewal terms that can extend the subscription term from one to four years. SBITAs may also include options to terminate the subscription. SBITAs do not contain any material incentive received, material restrictive covenants or material termination penalties.

The University measures the SBITA liability at the present value of payments expected to be made during the subscription term. SBITAs with a term of 12 months or less or those with cumulative undiscounted payments of less than \$500.0 thousand (including option periods) are recognized as operating expense on a straight-line basis over the subscription term. If the interest rate implicit in the SBITA cannot be readily determined, the University uses an incremental borrowing rate to discount the SBITA payments, which is an estimate of the interest rate that would be charged for borrowing the SBITA payment amounts during the subscription term.

Future minimum payments on the University's SBITAs with an initial or remaining non-cancelable term in excess of one year are shown in Table 13.5:

**Table 13.5: Future Minimum Payments on SBITAs**

(in thousands of dollars)	PRINCIPAL	INTEREST	TOTAL PAYMENTS
<i>Year Ending June 30</i>			
2024	\$70,921	\$3,785	\$74,706
2025	49,663	2,389	52,052
2026	25,906	1,273	27,179
2027	16,556	749	17,305
2028	9,904	375	10,279
2029-2033	7,660	349	8,009
2034	456	6	462
<b>Total</b>	<b>\$181,066</b>	<b>\$8,926</b>	<b>\$189,992</b>

## **Other University Borrowings**

Other University borrowings consist of contractual obligations resulting from the acquisition of land or buildings and the construction and renovation of certain facilities, along with the borrowing component associated with hybrid derivative instruments.

The University may use uncollateralized revolving lines of credit with commercial banks for capital purposes and to provide interim financing for buildings and equipment. Lines of credit commitments for general corporate purposes, which expire on November 30, 2024, totaled \$200.0 million at June 30, 2023 and 2022. Outstanding borrowings under these bank lines totaled \$100.0 million at June 30, 2023 and 2022.

Certain of the interest rate swaps are considered hybrid instruments. As such, the interest rate swaps are comprised of a derivative instrument and a companion instrument recorded as a borrowing. The unamortized amount of the borrowing was \$66.7 million and \$71.7 million at June 30, 2023 and 2022, respectively.

In August 2016, the University entered into an agreement with a developer to design, construct, finance, operate and maintain certain auxiliary, administrative, academic and research facilities of one of its campuses through 2055. Construction of all of the facilities was completed in the summer of 2020. Payments under this agreement have two components: the first component of the agreement is related to the operations and maintenance of the facilities; the second component is to service the private debt incurred by the developer. The payments for servicing the private debt are recorded as other borrowings by the University. The operations and maintenance component of the payments will be expensed as incurred. In the event that the operations and maintenance agreement with the developer is terminated, the outstanding portion of the private debt incurred by the developer would become an obligation of the University. The outstanding amount of the borrowing was \$551.5 million and \$590.6 million at June 30, 2023 and 2022, respectively.

## **Blended Component Unit Revenue Bonds**

### ***Student Housing***

The University has entered into ground leases with legally separate nonprofit corporations that develop and own student housing projects and related amenities and improvements on three University campuses through the use of project limited liability corporations (LLC). Each LLC, through a conduit issuer, has outstanding Student Housing LLC Revenue Bonds to finance the construction of the student housing facilities. Each LLC manages the premises. The University's reversionary interest in the land is not subordinated. All costs associated with the ownership, operation and management of the improvements are the obligation of each LLC. Student rental rates are established in order to provide for operating expenses and to maintain the required debt service coverage ratios. The bonds generally have annual principal and semiannual interest payments, serial and term maturities, certain sinking fund requirements and optional redemption provisions. They are not collateralized by any encumbrance, mortgage or other pledge of property, except pledged revenues of the student housing projects, and do not constitute general obligations of The Regents.

In October 2021, one of the LLCs, through its conduit issuer, issued additional Student Housing LLC Revenue Bonds totaling \$191.3 million. The bonds mature at various dates through 2054 and have a stated weighted average interest rate of 3.7 percent. Proceeds, including a bond premium of \$30.6 million, were used to refinance \$76.8 million of outstanding bonds and to pay for project construction and issuance costs. The deferred premium will be amortized as a reduction to interest expense over the term of the bonds.

At June 30, 2023 and 2022, the LLCs, through a conduit issuer, have outstanding Student Housing LLC Revenue Bonds totaling \$1.7 billion. The bonds mature at various dates through 2054 and have a weighted average interest rate of 4.5 percent.

### ***Research Facilities***

The University has a public/private partnership for the purpose of developing, constructing and managing a neuroscience research and laboratory building and a psychiatry youth and family center, with a legally separate, nonprofit corporation (the Corporation). In connection with these facilities, the University entered into ground leases with the Corporation. The Corporation has entered into a sub-ground lease with a developer to construct, own and manage the facilities. The University agreed to lease all of the space in the building from the developer. The University's base rent payments are equal to the principal and interest payments on the bonds that are issued by a conduit issuer, and loaned to the nonprofit corporation to finance the construction of the building. As security on the bonds, the developer has assigned all payments received from the University for the space lease to the bond trustee.

At June 30, 2023, the Corporation, through a conduit issuer, has outstanding tax-exempt revenue bonds totaling \$172.3 million and taxable revenue bonds totaling \$188.0 million. At June 30, 2022, the Corporation, through a conduit issuer, had outstanding tax-exempt revenue bonds totaling \$178.7 million and taxable revenue bonds totaling \$188.0 million. The tax-exempt revenue bonds mature at various dates from 2024 to 2052 and have a weighted average interest rate of 5.0 percent. The tax-exempt revenue bonds have annual serial maturities, certain sinking fund requirements, semiannual interest payments and optional redemption provisions. The taxable bonds mature from 2026 to 2049 and have an interest rate of 6.5 percent. The taxable bonds were issued as Build America Bonds,

under which the U.S. Treasury was expected at the time of issuance to send the conduit issuer 35.0 percent of the semiannual interest cost on the taxable bonds. As of June 30, 2023, the U.S. Treasury had reduced the subsidy by 5.7 percent for a net subsidy of 33.0 percent and has published its intention to do so through Federal Fiscal Year 2030, making the net interest rate 4.3 percent post-subsidy. The taxable bonds have a term maturity with various certain annual sinking fund requirements, semiannual interest payments and optional redemption provisions.

In addition, the University entered into a ground lease with another legally separate, nonprofit corporation (the Consortium). The Consortium entered into an agreement with a developer to develop and own a research laboratory facility designed to expand collaborative work in stem cell research and facilitate its translation into tools and techniques to diagnose and treat degenerative diseases and other ailments. The developer constructed the research laboratory facility. All costs associated with the ownership, operation and management of the laboratory research facility are the obligation of the Consortium. The University, along with the other collaborative research partners, will lease space in the building.

The Consortium, through a conduit issuer, has outstanding revenue bonds totaling \$44.6 million and \$46.2 million at June 30, 2023 and 2022, respectively. The bonds mature at various dates through 2040 and have a weighted average interest rate of 4.4 percent. The bonds generally have annual principal and semiannual interest payments, serial and term maturities, certain sinking fund requirements and optional redemption provisions. Lease payments from the occupants of the building are pledged as collateral on the bonds. To the extent the lease payments are not sufficient to pay the debt service, the University is obligated to pay the shortfall.

### **Future Debt Service and Hedging Derivative Interest Rate Swaps**

Future debt service payments for the University's fixed- and variable-rate debt, excluding leases and SBITAs, for each of the five fiscal years subsequent to June 30, 2023, and thereafter are presented in Table 13.6a below. Although not a prediction by the University of the future interest cost of the variable-rate bonds, these amounts assume that current interest rates on variable-rate bonds will not change. As these rates vary, variable-rate bond interest payments will vary.

**Table 13.6a: Future Debt Service Payments**

(in thousands of dollars)	COMMERCIAL PAPER	MEDICAL CENTER REVENUE BONDS	UNIVERSITY REVENUE BONDS	FINANCING OBLIGATIONS	OTHER UNIVERSITY BORROWINGS	BLENDED COMPONENT UNIT REVENUE BONDS	TOTAL PAYMENTS	PRINCIPAL	INTEREST
<i>Year Ending June 30</i>									
2024	\$891,919	\$367,942	\$1,472,886	\$19,447	\$119,749	\$140,056	\$3,011,999	\$1,712,948	\$1,299,051
2025		367,398	1,831,573	18,092	21,017	136,712	2,374,792	1,111,179	1,263,613
2026		365,707	1,862,272	12,887	21,219	138,247	2,400,332	1,177,022	1,223,310
2027		366,845	1,855,780	4,816	21,399	139,977	2,388,817	1,201,257	1,187,560
2028		351,874	1,419,887	3,423	21,556	142,047	1,938,787	787,750	1,151,037
2029-2033		2,190,617	8,048,692	8,901	106,807	718,738	11,073,755	5,943,704	5,130,051
2034-2038		1,905,545	5,711,396		117,971	719,539	8,454,451	4,517,614	3,936,837
2039-2043		1,946,532	4,756,475		100,464	595,148	7,398,619	4,569,789	2,828,830
2044-2048		1,861,718	3,532,033		95,477	554,438	6,043,666	4,225,107	1,818,559
2049-2053		2,152,896	2,042,774		93,699	370,196	4,659,565	3,670,734	988,831
2054-2058		323,345	444,340		44,324	21,934	833,943	290,704	543,239
2058-2120		1,894,668	4,974,651				6,869,319	2,510,000	4,359,319
<b>Total future debt service</b>	<b>891,919</b>	<b>14,095,087</b>	<b>37,952,759</b>	<b>67,566</b>	<b>763,682</b>	<b>3,677,032</b>	<b>57,448,045</b>	<b>\$31,717,808</b>	<b>\$25,730,237</b>
Less: Interest component of future payments	(6,919)	(7,179,338)	(16,913,444)	(5,322)	(13,462)	(1,611,752)	(25,730,237)		
<b>Principal portion of future payments</b>	<b>885,000</b>	<b>6,915,749</b>	<b>21,039,315</b>	<b>62,244</b>	<b>750,220</b>	<b>2,065,280</b>	<b>31,717,808</b>		
<i>Adjusted by:</i>									
Unamortized bond premium		218,866	1,450,948				203,368	1,873,182	
<b>Total debt</b>	<b>\$885,000</b>	<b>\$7,134,615</b>	<b>\$22,490,263</b>	<b>\$62,244</b>	<b>\$750,220</b>	<b>\$2,268,648</b>	<b>\$33,590,990</b>		

Long-term debt does not include \$69.0 million of defeased liabilities at June 30, 2023. Investments that have maturities and interest

rates sufficient to fund retirement of these liabilities are being held in irrevocable trusts for the debt service payments. Neither the assets of the trusts nor the outstanding obligations are included in the University's statement of net position.

General revenue bonds of \$1.1 billion are variable-rate demand bonds which primarily reset daily and, in the event of a failed remarketing, can be put back to The Regents for tender. The University has classified these bonds as current liabilities as of June 30, 2023.

Medical center pooled revenue bonds of \$221.9 million are variable-rate demand bonds which give the debt holders the ability to put the bonds back to The Regents upon demand. The University has classified these bonds as current liabilities as of June 30, 2023.

For the University's cash flow hedges, future debt service payments for the University's variable-rate debt and net receipts or payments on the associated hedging derivative instruments for each of the five fiscal years subsequent to June 30, 2023, and thereafter are as presented below. Although not a prediction by the University of the future interest cost of the variable-rate bonds or the impact of the interest rate swaps, using rates as of June 30, 2023, combined debt service requirements of the variable-rate debt and net swap payments are shown in Table 13.6b:

**Table 13.6b: Future Debt Service Payments- Hedging Derivative Instruments**

<i>(in thousands of dollars)</i>	VARIABLE-RATE BONDS		INTEREST RATE SWAP, NET	TOTAL PAYMENTS
	PRINCIPAL	INTEREST		
<i>Year Ending June 30</i>				
2024	\$11,845	\$34,142	(\$16,907)	\$29,080
2025	12,210	34,456	(17,108)	29,558
2026	12,595	34,145	(17,108)	29,632
2027	12,990	33,814	(17,093)	29,711
2028	13,420	33,476	(17,092)	29,804
2029-2033	65,140	160,795	(84,221)	141,714
2034-2038	63,910	152,632	(82,764)	133,778
2039-2043	186,395	134,260	(35,224)	285,431
2044-2048	787,780	70,410	(9,125)	849,065
<b>Total</b>	<b>\$1,166,285</b>	<b>\$688,130</b>	<b>(\$296,642)</b>	<b>\$1,557,773</b>

## 14. DEFERRED OUTFLOWS AND INFLOWS OF RESOURCES

The University's composition of deferred outflows of resources at June 30 are summarized in Table 14.1:

**Table 14.1: Deferred Outflows**

(in thousands of dollars)	2023	2022
Net pension liability	\$2,964,134	\$6,232,412
Net retiree health benefits liability	4,456,785	4,837,480
Debt refunding	167,241	235,261
Interest rate swap agreements	22,747	89,066
Asset retirement obligations	82,467	101,622
Acquisitions	908	2,723
<b>Total</b>	<b>\$7,694,282</b>	<b>\$11,498,564</b>

The University's composition of deferred inflows of resources at June 30 are summarized in Table 14.2:

**Table 14.2: Deferred Inflows**

(in thousands of dollars)	2023	2022
Service concession arrangements	\$227,323	\$232,380
Net pension liability	93,756	143,913
Net retiree health benefits liability	8,027,404	9,967,408
Debt refunding	47,132	40,958
Interest rate swap agreements	85,898	87,888
Royalty sales	250,911	290,750
Irrevocable split-interest agreements	76,062	76,494
Leases	686,208	590,585
<b>Total</b>	<b>\$9,494,694</b>	<b>\$11,430,376</b>

The campus foundations' deferred inflows of resources are primarily related to irrevocable split-interest agreements.

## 15. RETIREMENT PLANS

Most University employees participate in UCRS. UCRS consists of UCRP, a governmental defined benefit plan funded with University and employee contributions; UCRSP, which includes defined contribution plans with options to participate in internally or externally managed investment portfolios generally funded with employee nonelective and elective contributions; and UC-VERIP, a defined benefit plan for University employees who were members of the California Public Employees' Retirement System (CalPERS) who elected early retirement. Other retirement plans include the Children's Hospital and Research Center at Oakland (CHRCO) Pension Plan, a defined benefit plan fully funded with CHRCO contributions and the Orange County Employees' Retirement System (OCERS) retirement plan, a cost-sharing multiemployer defined benefit pension plan for former employees of an Orange County hospital center who chose to remain with OCERS at the time the hospital was acquired by the University. The Regents has the authority to establish and amend UCRS, and administration authority with respect to the UCRS plans is vested with the President of the University as plan administrator. CHRCO administers the CHRCO Pension Plan as the Sponsor and plan assets are held by State Street Bank and Trust Company (Trustee) which is the successor trustee to U.S. Bank effective December 1, 2021.

Condensed financial information related to each plan in UCRS and CHRCO Pension Plan and the changes in pension liability for UCRP, UC-VERIP and the CHRCO Pension Plan for the year ended June 30, 2023 are shown in Table 15.1:

**Table 15.1: Condensed Financial Information for Retirement Plans**

(in thousands of dollars)	UNIVERSITY OF CALIFORNIA RETIREMENT PLAN	UNIVERSITY OF CALIFORNIA UC-VERIP	SUBTOTAL	UNIVERSITY OF CALIFORNIA RETIREMENT SAVINGS PROGRAM	TOTAL	CHILDREN'S HOSPITAL & RESEARCH CENTER AT OAKLAND PENSION PLAN
<b>CONDENSED STATEMENT OF PLAN FIDUCIARY NET POSITION</b>						
Investments at fair value	\$87,677,080	\$67,722	\$87,744,802	\$31,054,413	\$118,799,215	\$623,856
Participants' interests in mutual funds				2,372,880	2,372,880	
Investment of cash collateral	5,100,801	3,821	5,104,622	3,517,138	8,621,760	
Other assets	1,062,769	693	1,063,462	335,663	1,399,125	
<b>Total assets</b>	<b>93,840,650</b>	<b>72,236</b>	<b>93,912,886</b>	<b>37,280,094</b>	<b>131,192,980</b>	<b>623,856</b>
Collateral held for securities lending	5,100,800	3,821	5,104,621	3,517,120	8,621,741	
Other liabilities	545,065	426	545,491	181,981	727,472	
<b>Total liabilities</b>	<b>5,645,865</b>	<b>4,247</b>	<b>5,650,112</b>	<b>3,699,101</b>	<b>9,349,213</b>	
<b>Net position held in trust</b>	<b>\$88,194,785</b>	<b>\$67,989</b>	<b>\$88,262,774</b>	<b>\$33,580,993</b>	<b>\$121,843,767</b>	<b>\$623,856</b>
<b>CONDENSED STATEMENT OF CHANGES IN PLAN FIDUCIARY NET POSITION</b>						
Contributions	\$3,976,571		\$3,976,571	\$2,146,797	\$6,123,368	\$41,400
Net appreciation in fair value of investments	2,789,442	\$1,945	2,791,387	3,017,062	5,808,449	
Investment and other income, net	4,906,832	4,010	4,910,842	661,747	5,572,589	73,339
<b>Total additions, net</b>	<b>11,672,845</b>	<b>5,955</b>	<b>11,678,800</b>	<b>5,825,606</b>	<b>17,504,406</b>	<b>114,739</b>
Benefit payment and participant withdrawals	4,764,459	2,987	4,767,446	2,174,893	6,942,339	25,027
Other deductions	76,629	3	76,632	3,426	80,058	4,073
<b>Total deductions</b>	<b>4,841,088</b>	<b>2,990</b>	<b>4,844,078</b>	<b>2,178,319</b>	<b>7,022,397</b>	<b>29,100</b>
<b>Change in net position held in trust</b>	<b>6,831,757</b>	<b>2,965</b>	<b>6,834,722</b>	<b>3,647,287</b>	<b>10,482,009</b>	<b>85,639</b>
<b>Net position held in trust</b>						
Beginning of year	81,363,028	65,024	81,428,052	29,933,706	111,361,758	538,217
<b>End of year</b>	<b>\$88,194,785</b>	<b>\$67,989</b>	<b>\$88,262,774</b>	<b>\$33,580,993</b>	<b>\$121,843,767</b>	<b>\$623,856</b>
<b>CHANGES IN TOTAL PENSION LIABILITY</b>						
Service cost	\$2,753,510		\$2,753,510			\$14,159
Interest	6,985,737	\$1,181	6,986,918			44,522
Difference between expected and actual experience	451,908	(1,242)	450,666			6,851
Changes of benefit terms	33,303		33,303			
Changes of assumptions or other inputs	469,788	(440)	469,348			(23,590)
Benefits paid, including refunds of employee contributions	(4,764,459)	(2,987)	(4,767,446)			(25,027)
<b>Net change in total pension liability</b>	<b>5,929,787</b>	<b>(3,488)</b>	<b>5,926,299</b>			<b>16,915</b>
<b>Total pension liability</b>						
Beginning of year	102,635,910	20,227	102,656,137			657,935
<b>End of year</b>	<b>108,565,697</b>	<b>16,739</b>	<b>108,582,436</b>			<b>674,850</b>
<b>Net pension liability (asset), end of year</b>	<b>\$20,370,912</b>	<b>(\$51,250)</b>	<b>\$20,319,662</b>			<b>\$50,994</b>

Additional information on the retirement plans can be obtained from the 2022-2023 annual reports of the University of California Retirement System which can be found at <http://reportingtransparency.universityofcalifornia.edu>.

## University of California Retirement Plan

UCRP provides lifetime retirement income, disability protection, death benefits and postretirement and preretirement survivor benefits to eligible employees of the University, its affiliates and their survivors and beneficiaries.

The University's membership in UCRP consisted of the following as shown in Table 15.2 at June 30, 2023:

**Table 15.2: Membership in UCRP**

	CAMPUSES AND MEDICAL CENTERS	DOE NATIONAL LABORATORIES	TOTAL UNIVERSITY OF CALIFORNIA
Retirees and beneficiaries receiving benefits	74,654	12,628	87,282
Inactive members entitled to, but not receiving benefits	112,989	7,567	120,556
Active members:			
Vested	83,777	1,710	85,487
Nonvested	55,184	745	55,929
<b>Total active members</b>	<b>138,961</b>	<b>2,455</b>	<b>141,416</b>
<b>Total membership</b>	<b>326,604</b>	<b>22,650</b>	<b>349,254</b>

### Contributions

Contributions to UCRP are based upon rates determined by The Regents. The Regents' funding policy provides for contributions at rates to maintain UCRP on an actuarially sound basis. While the University's independent actuary annually determines the total funding policy contributions, the University is not required to contribute an amount equal to the total funding contribution. The actual contributions and the contribution rates of the University and employees are based on numerous factors, including the availability of funds to the University, the impact of employee contributions on the competitiveness of the University's total remuneration package, and collective bargaining agreements.

The Regents determines the portion of the total contribution to be made by the employer and by the employees, and employee contribution rates for represented employees are subject to collective bargaining. Additional information on UCRP contributions can be obtained from the 2022-2023 annual report of the University of California Retirement System.

As of June 30, 2023 and 2022, the University reported \$645.4 million and \$624.3 million, respectively, as other noncurrent Department of Energy receivables for pension liabilities. Contributions of \$111.7 million and \$75.1 million were deposited into UCRP on behalf of the DOE for the years ended June 30, 2023 and 2022, respectively.

### Net Pension Liability

All UCRP assets are available to pay any member's benefit. However, assets and liabilities for the campus and medical center segment of UCRP are internally tracked separately from the DOE national laboratory segments of UCRP. The net pension liability for UCRP for UCRP is shown in Table 15.3:

**Table 15.3: Net Pension Liability for UCRP**

(in thousands of dollars)	CAMPUSES AND MEDICAL CENTERS	DOE NATIONAL LABORATORIES	TOTAL UNIVERSITY OF CALIFORNIA
<i>At June 30, 2023</i>			
UCRP net position	\$78,873,984	\$9,320,801	\$88,194,785
Total pension liability	98,431,151	10,134,546	108,565,697
<b>Net pension liability</b>	<b>\$19,557,167</b>	<b>\$813,745</b>	<b>\$20,370,912</b>
<i>At June 30, 2022</i>			
UCRP net position	\$72,254,382	\$9,108,646	\$81,363,028
Total pension liability	92,468,791	10,167,119	102,635,910
<b>Net pension liability</b>	<b>\$20,214,409</b>	<b>\$1,058,473</b>	<b>\$21,272,882</b>

The University's net pension liability was measured as of June 30 and was calculated using the plan net position valued as of the measurement date and total pension liability determined by rolling forward the total pension liability from the results of the actuarial valuations as of July 1, one year prior to the measurement date. The actuarial assumptions were changed in 2023 based upon the results of an experience study conducted for the period July 1, 2018 through June 30, 2022. The actuarial assumptions used as of June 30, 2022 were based on the results of an experience study conducted for the period July 1, 2014 through June 30, 2018. The University's net pension liability was calculated using the following methods and assumptions as shown in Table 15.4:

**Table 15.4: Net Pension Liability Calculation Method**

	2023	2022
Inflation	2.50%	2.50
Investment rate of return	6.75	6.75
Projected salary increases	3.65 - 5.95	3.65 - 5.95
Cost-of-living adjustments	FYE 6/30/2023: 2.90% Future years: 2.00%	FYE 6/30/2022: 4.41% for those who retired 7/2/2019 - 7/1/2020; 3.69% for all others eligible for COLA. Future years: 2.00%

Mortality rates used to calculate the net pension liability are shown in Table 15.5:

**Table 15.5: Mortality Rates For Net Pension Liability**

	2023	2022
<b>Mortality Rates:</b>		
Preretirement	Pub-2010 Teacher Employee Amount-Weighted Above-Median Mortality Table multiplied by 90 percent for males and 95 percent for females	Pub-2010 Teacher Employee Amount-Weighted Above-Median Mortality Table
Postretirement Healthy Members	Pub-2010 Teacher Healthy Retiree Amount-Weighted Above-Median Mortality Table multiplied by 85 percent for male faculty members, 95 percent for female faculty members, 100 percent for other male members and 105 percent for other female members	Pub-2010 Teacher Healthy Retiree Amount-Weighted Above-Median Mortality Table multiplied by 90 percent for male faculty members, 95 percent for female faculty members, 100 percent for other male members and 110 percent for other female members
Postretirement Disabled Members	Pub-2010 Non-Safety Disabled Retiree Amount-Weighted Mortality Table multiplied by 100 percent for males and 95 percent for females	Pub-2010 Non-Safety Disabled Retiree Amount-Weighted Mortality Table
Beneficiaries of Retired Members	In pay status as of valuation: Pub-2010 Contingent Survivor Amount-Weighted Above-Median Mortality Table (separate tables for males and females) unadjusted for males and decreased by 10% for females, projected generationally with the two-dimensional mortality improvement scale MP-2021.  Not in pay status as of valuation: Pub-2010 Teacher Healthy Retiree Amount-Weighted Above-Median Mortality Table (separate tables for males and females) unadjusted for males and decreased by 5% for females, projected generationally with the two-dimensional mortality improvement scale MP-2021.	Pub-2010 Contingent Survivor Amount-Weighted Above-Median Mortality Table multiplied by 100 percent for males and 90 percent for females
Projection scale for all mortality tables	Generationally with the two-dimensional mortality improvement scale MP-2021.	Generationally with the two-dimensional mortality improvement scale MP-2018.

The long-term expected investment rate of return assumption for UCRP was determined based on the aforementioned experience study, using a building-block method in which expected future real rates of return (expected returns, net of inflation) are developed for each major asset class. These returns are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage, adding expected inflation and subtracting expected expenses and a risk margin. The target allocation and projected arithmetic real rates of return for each major asset class, after deducting inflation, but before deducting investment expenses, used in the derivation of the long-term expected investment rate of return assumption are summarized in Table 15.6:

**Table 15.6: Target Allocation and Projected Real Rate of Return**

	TARGET ALLOCATION	LONG-TERM EXPECTED REAL RATE OF RETURN
<i>Asset class</i>		
U.S. equity	33.0%	6.0%
Developed international equity	13.0	6.8
Emerging market equity	7.0	8.5
Core bonds	13.0	1.8
High-yield bonds	2.5	4.6
Emerging market debt	1.5	4.6
Private equity	12.0	9.6
Private credit	3.5	2.9
Real estate	7.0	3.9
Absolute return	3.5	1.1
Real assets	4.0	4.0
<b>Total</b>	<b>100.0%</b>	<b>5.6%</b>

### **Discount Rate**

The discount rate used to estimate the net pension liability was 6.75 percent as of June 30, 2023 and 2022. To calculate the discount rate, cash flows into and out of UCRP were projected in order to determine whether UCRP has sufficient cash in future periods for projected benefit payments for current members. For this purpose, University, state and member contributions that are intended to fund benefits of current plan members and their beneficiaries are included. Projected University contributions that are intended to fund the service costs of future plan members and their beneficiaries, as well as projected contributions of future plan members, are not included. UCRP was projected to have assets sufficient to make projected benefit payments for current members for all future years as of June 30, 2023 and 2022.

### **Sensitivity of the Net Pension Liability to the Discount Rate Assumption**

Table 15.7 presents the June 30, 2023 net pension liability of the University as well as what the net pension liability would be if it were calculated using a discount rate 1% lower and 1% higher than the current assumption:

**Table 15.7: Sensitivity of Net Pension Liability to Changes in the Discount Rate**

(in thousands of dollars)	1% DECREASE (5.75%)	CURRENT DISCOUNT (6.75%)	1% INCREASE (7.75%)
UCRP	\$34,982,449	\$20,370,912	\$8,377,910
UC-VERIP	(50,483)	(51,250)	(51,946)

## Deferred Outflows of Resources and Deferred Inflows of Resources

The University's composition of deferred outflows of resources and deferred inflows of resources for pensions are summarized in Tables 15.8a and 15.8b:

**Table 15.8a: 2023 Deferred Outflows and Deferred Inflows For Pensions**

(in thousands of dollars)	CAMPUSES AND MEDICAL CENTERS	DOE NATIONAL LABORATORIES	TOTAL UCRP	UC-VERIP	TOTAL
<i>At June 30, 2023</i>					
<b>DEFERRED OUTFLOWS OF RESOURCES</b>					
Difference between expected and actual experience					
Difference between expected and actual experience	\$628,584		\$628,584		\$628,584
Changes of assumptions or other inputs	416,267		416,267		416,267
Net difference between projected and actual earnings on pension plan investments	1,679,686	\$168,366	1,848,052	\$1,336	1,849,388
<b>Total</b>	<b>\$2,724,537</b>	<b>\$168,366</b>	<b>\$2,892,903</b>	<b>\$1,336</b>	<b>\$2,894,239</b>
<b>DEFERRED INFLOWS OF RESOURCES</b>					
Difference between expected and actual experience					
Difference between expected and actual experience	\$53,559		\$53,559		\$53,559
<b>Total</b>	<b>\$53,559</b>		<b>\$53,559</b>		<b>\$53,559</b>

**Table 15.8b: 2022 Deferred Outflows and Deferred Inflows For Pensions**

(in thousands of dollars)	CAMPUSES AND MEDICAL CENTERS	DOE NATIONAL LABORATORIES	TOTAL UCRP	UC-VERIP	TOTAL
<i>At June 30, 2022</i>					
<b>DEFERRED OUTFLOWS OF RESOURCES</b>					
Difference between expected and actual experience					
Difference between expected and actual experience	\$521,042		\$521,042		\$521,042
Changes of assumptions or other inputs	1,227,868		1,227,868		1,227,868
Net difference between projected and actual earnings on pension plan investments	3,919,906	\$434,207	4,354,113	\$3,207	4,357,320
<b>Total</b>	<b>\$5,668,816</b>	<b>\$434,207</b>	<b>\$6,103,023</b>	<b>\$3,207</b>	<b>\$6,106,230</b>
<b>DEFERRED INFLOWS OF RESOURCES</b>					
Difference between expected and actual experience					
Difference between expected and actual experience	\$112,415		\$112,415		\$112,415
<b>Total</b>	<b>\$112,415</b>		<b>\$112,415</b>		<b>\$112,415</b>

Net deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense during the years ended June 30 as shown in Table 15.9:

**Table 15.9: Net Deferred Outflows and Deferred Inflows of Resources**

(in thousands of dollars)	CAMPUSES AND MEDICAL CENTERS	DOE NATIONAL LABORATORIES	TOTAL UCRP	UC-VERIP	TOTAL
2024	\$411,451	(\$4,035)	\$407,416	\$32	\$407,448
2025	(152,593)	(93,865)	(246,458)	(604)	(247,062)
2026	2,669,247	315,730	2,984,977	2,243	2,987,220
2027	(257,127)	(49,464)	(306,591)	(335)	(306,926)
<b>Total</b>	<b>\$2,670,978</b>	<b>\$168,366</b>	<b>\$2,839,344</b>	<b>\$1,336</b>	<b>\$2,840,680</b>

## Defined Contribution Plan (DC Plan) / Supplemental Defined Contribution Plan (SDC Plan)

The DC Plan was established by resolution of The Regents to accept after-tax contributions and pretax contributions. The Regents established the SDC Plan to provide retirement benefits to certain designated employees of the University and their beneficiaries.

Additional information on the DC Plan and SDC Plan can be obtained from the 2022-2023 annual report of the University of California Retirement System.

## **Tax Deferred 403(b) Plan**

The University's Tax-Deferred 403(b) Plan (403(b) Plan) accepts pretax employee contributions.

Additional information on the 403(b) Plan can be obtained from the 2022-2023 annual report of the University of California Retirement System.

Employer contributions to the 403(b) Plan were \$10.8 million and \$9.4 million for the years ended June 30, 2023 and 2022.

## **457(b) Deferred Compensation Plan**

The University's 457(b) Deferred Compensation Plan (457(b) Plan) accepts pretax employee contributions.

Additional information on the 457(b) Plan can be obtained from the 2022-2023 annual report of the University of California Retirement System.

There were no employer contributions to the 457(b) Plan for the years ended June 30, 2023 and 2022.

Participants in the DC Plan, the SDC Plan, the 403(b) Plan and the 457(b) Plan may direct their elective and nonelective contributions to investment funds managed by the University. They may also invest account balances in certain mutual funds. The participants' interests in mutual funds is shown separately in the plans' statements of fiduciary net position.

## **University of California Voluntary Early Retirement Incentive Program (UC-VERIP)**

UC-VERIP is a defined benefit pension plan providing lifetime supplemental retirement income and survivor benefits to UC-VERIP members who elected early retirement under CalPERS.

Additional information on UC-VERIP can be obtained from the UCRS 2022-2023 annual report.

As of June 30, 2023, there are 296 retirees or beneficiaries receiving benefits under this voluntary early retirement program.

The University and the DOE laboratories previously made contributions to the UC-VERIP sufficient to maintain the promised benefits. The actuarially determined contributions are zero for the years ended June 30, 2023 and 2022.

## **Children's Hospital and Research Center at Oakland Pension Plan (CHRCO Pension Plan)**

The CHRCO Pension Plan is a noncontributory defined benefit plan subject to the single employer defined benefit under ERISA rules that covers active and retired employees. The CHRCO Pension Plan was amended effective January 1, 2012 to exclude unrepresented employees hired or rehired on or after January 1, 2012. The CHRCO Pension Plan provides retirement, disability and death benefits to plan participants. Benefits are based on a participant's length of service, age at retirement and average compensation as defined by the CHRCO Pension Plan.

The net pension liability for the CHRCO Pension Plan was calculated based upon the following assumptions as of June 30, 2023: 3.0 percent inflation, 7.0 percent investment rate of return; projected salary increases - represented employees: 4.0 percent for the fiscal year ended June 30, 2023, 4.1 percent for fiscal year ending 2024, 4.3 percent for fiscal year ending June 30, 2025, 3.5 percent for fiscal year ending June 30, 2026 and thereafter; unrepresented employees: 4.0 percent for fiscal year ended June 30, 2023, 4.5 percent for fiscal year ending June 30, 2024, 4.0 percent for fiscal year ending June 30, 2025, and 3.5 percent for fiscal year ending June 30, 2026 and thereafter and no cost-of-living adjustments. CHRCO recognized pension expense of \$44.2 million at June 30, 2023 and \$49.1 million at June 30, 2022.

The actuarial assumptions used in the June 30, 2023 and 2022 valuations were based on the results of an experience study conducted during 2019. In 2022, the mortality rates were based on the Pri-2012 Mortality Table with fully generational projected mortality improvements using Scale MP-2021. In 2021, the mortality rates were based on the Pri-2012 Mortality Table with fully generational projected mortality improvements using Scale MP-2020.

Additional information on the CHRCO Pension Plan can be found in the annual reports, which can be obtained by writing to Children's Hospital Oakland, Finance Department, 747 52nd Street, Oakland, California 94609.

Membership in the CHRCO Pension Plan consisted of the following as shown in Table 15.10 at June 30, 2023:

**Table 15.10: Membership in CHRCO Pension Plan**

Retirees and beneficiaries receiving benefits	1,380
Inactive members entitled to, but not yet receiving benefits	1,174
Active members	1,885
<b>Total membership</b>	<b>4,439</b>

## **Contributions**

Employer contributions are determined under IRC Section 430. Employees are not required or permitted to contribute to the CHRCO Pension Plan.

## **Net Pension Liability**

The net pension liability for the CHRCO Pension Plan was measured as of June 30 and the total pension liability was determined by an actuarial valuation as of January 1, rolled forward to June 30. The target allocation and projected arithmetic real rates of return, after deducting inflation but before investment expenses, used in the derivation of the long-term expected investment rate of return assumption for each major asset class for the CHRCO Pension Plan are shown in Table 15.11:

**Table 15.11: Long-term Expected Investment Rate of Return Assumption**

	PORTFOLIO PERCENTAGE	LONG-TERM EXPECTED REAL RATE OF RETURN
<i>Asset class</i>		
U.S. equity large cap	41.4%	4.7%
U.S. equity small cap	16.3	4.9
Developed international equity	20.4	5.4
Emerging market equity	7.9	6.4
Core fixed income	10.2	0.8
Cash	3.8	
<b>Total</b>	<b>100.0%</b>	

## **Discount Rate**

The discount rate used to estimate the net pension liability was 7.00 percent and 6.75 percent for June 30, 2023 and 2022, respectively. The projection of cash flows used to determine the discount rate assumes that CHRCO will make contributions to the CHRCO Pension Plan under IRC Section 430's minimum requirements for a period of 5 and 7 years for its unrepresented and represented employees, respectively, and that all future assumptions are met. Based on these assumptions, the CHRCO Pension Plan's fiduciary net position is projected to be available to make all projected future benefit payments for current active and inactive employees.

## **16. RETIREE HEALTH BENEFIT COSTS AND OBLIGATIONS**

The University administers single-employer health and welfare plans to provide health and welfare benefits, primarily medical, dental and vision, to eligible retirees (and their eligible family members) of the University and its affiliates through the University of California Retiree Health Benefit Program (the Program). The Regents has the authority to establish and amend the program. While retiree health benefits are not a legal obligation of the University and can be canceled or modified at any time, accounting standards require the University to recognize a net retiree health liability based on the current practices of providing retiree health benefits.

The University established the UCRHBT in order to allow certain University locations and affiliates (primarily campuses and medical centers) that share the risks, rewards and costs of providing for retiree health benefits to fund such benefits on a cost-sharing basis and accumulate funds on a tax-exempt basis under an arrangement segregated from University assets. Campus and medical center contributions toward retiree health benefits are made to UCRHBT at rates determined by the University. The University receives retiree health contributions from retirees that are deducted from their UCRP benefit payments or are received from the retiree through direct pay. The University acts as a third-party administrator on behalf of UCRHBT and pays health care insurers and administrators amounts currently due under the Program for retirees. UCRHBT reimburses the University for these amounts.

LBNL participates in the Program. LBNL does not participate in UCRHBT; therefore, the DOE has no interest in UCRHBT's assets. The University directly pays health care insurers and administrators amounts currently due under the University's retiree health benefit plans for retirees who previously worked at LBNL, and is reimbursed by the DOE. To the extent the University has recorded a net retiree health benefits liability (and related deferred inflows and outflows of resources) that will be reimbursed under DOE contracts, a receivable from the DOE is recorded. The University recorded receivables from the DOE of \$710.0 million and \$708.6 million for 2023 and 2022, respectively, representing the DOE's share of the net retiree health benefits liability.

Condensed financial information related to UCRHBT and the changes in retiree health benefits liability for the year ended June 30, 2023 is shown in Table 16.1:

**Table 16.1: Condensed Financial Information Related to UCRHBT at June 30, 2023**

(in thousands of dollars)	CAMPUSES AND MEDICAL CENTERS	LBNL	TOTAL UNIVERSITY OF CALIFORNIA
Contributions	\$580,493	\$21,490	\$601,983
Investment income, net	7,345		7,345
<b>Total additions</b>	<b>587,838</b>	<b>21,490</b>	<b>609,328</b>
Insurance premiums, net	(569,634)	(21,490)	(591,124)
Other deductions	(4,854)		(4,854)
<b>Total deductions</b>	<b>(574,488)</b>	<b>(\$21,490)</b>	<b>(595,978)</b>
<b>Change in net position held in UCRHBT</b>	<b>13,350</b>		<b>13,350</b>
Net position held in UCRHBT, beginning of year	179,474		179,474
<b>Net position held in UCRHBT, end of year</b>	<b>\$192,824</b>		<b>\$192,824</b>
<hr/>			
(in thousands of dollars)	CAMPUSES AND MEDICAL CENTERS	LBNL	TOTAL UNIVERSITY OF CALIFORNIA
<b>CHANGES IN TOTAL RETIREE HEALTH BENEFITS LIABILITY</b>			
Service cost	\$891,714	\$21,027	\$912,741
Interest	722,279	21,669	743,948
Difference between expected and actual experience	888,337	28,922	917,259
Changes of assumptions and other inputs	90,193	6,352	96,545
Benefits paid	(569,634)	(21,490)	(591,124)
Retiree contributions	86,800	2,725	89,525
<b>Net change in total retiree health benefits liability</b>	<b>2,109,689</b>	<b>59,205</b>	<b>2,168,894</b>
<b>Total retiree health benefits liability</b>			
Beginning of year	19,750,973	600,388	20,351,361
<b>End of year</b>	<b>21,860,662</b>	<b>659,593</b>	<b>22,520,255</b>
<b>Net retiree health benefits liability, end of year</b>	<b>\$21,667,838</b>	<b>\$659,593</b>	<b>\$22,327,431</b>

## Benefits

Retirees are eligible for medical and dental benefits. The costs of the medical and dental benefits are shared between the University and the retiree. The University does not contribute toward the cost of other benefits available to retirees. Retirees employed by the University prior to 1990 and not rehired after that date are eligible for the University's maximum contribution if they retire before age 55 and have at least 10 years of service, or if they retire at age 55 or later and have at least five years of service. Retirees employed by the University after 1989 and prior to July 1, 2013 become eligible for a percentage of the University's contribution starting at 50 percent of the maximum University contribution with 10 years of service or if age plus years of service equal at least 75, and increasing to 100 percent after 20 years of service. Retirees who are employed by the University after July 1, 2013, and retire at the age of 56 or older, become eligible for a percentage of the University's contribution based on age and years of service. These retirees are eligible for the maximum University contribution at age 65 with 20 or more years of service. Retirees pay the excess, if any, of the premium over the applicable portion of the University's contribution.

Membership in a defined benefit plan to which the University contributes or participation in the DC Plan is required to become eligible for retiree health benefits. Participation in the Retiree Health Benefit Program plans consisted of the following as shown in Table 16.2 at June 30, 2023:

**Table 16.2: Participation in the Retiree Health Benefit Program Plans**

	CAMPUSES AND MEDICAL CENTERS	LBNL	TOTAL UNIVERSITY OF CALIFORNIA
Retirees and beneficiaries receiving benefits	49,252	1,864	51,116
Active members	146,417	2,983	149,400
<b>Total membership</b>	<b>195,669</b>	<b>4,847</b>	<b>200,516</b>

## **Contributions**

The University does not pre-fund retiree health benefits and instead provides for benefits based upon projected pay-as-you-go financing. University and retiree contributions toward premiums made under purchased plan arrangements are determined by applying the health plan contract rates across the number of participants in the respective plans. Premium rates for the self-insured plan contributions are set by the University based upon a trend analysis of the historic cost, utilization, demographics and administrative expenses to provide for the claims incurred and the actuarially determined level of incurred but not reported liability. The assessment rates were \$2.23 and \$2.36 per \$100 of UCRP covered payroll effective July 1, 2022 and 2021, respectively.

In addition to the explicit University contribution provided to retirees, there is an “implicit subsidy.” The gross premiums for members that are not currently eligible for Medicare benefits are the same for active employees and retirees, based on a blend of their health costs. Retirees, on average, are expected to have higher health care costs than active employees. This is primarily due to the older average age of retirees. Since the same gross premiums apply to both groups, the premiums paid for active employees by the University are subsidizing the premiums for retirees. This effect is called the implicit subsidy. The implicit subsidy associated with retiree health costs paid during the past year is also considered to be a contribution from the University.

## **Net Retiree Health Benefits Liability**

The University’s net retiree health benefits liability was measured as of June 30 based on rolling forward the results of the actuarial valuations as of March 1, one year prior to the measurement date. Actuarial valuations represent a long-term perspective and involve estimates of the value of reported benefits and assumptions about the probability of occurrence of events far into the future. Significant actuarial methods and assumptions used to calculate the University’s net retiree health benefits liability are shown in Table 16.3:

**Table 16.3: Significant Actuarial Methods and Assumptions**

(shown as percentage)	2023	2022
Discount rate <sup>1</sup>	3.65%	3.54%
Inflation	2.5	2.5
Investment rate of return	2.5	2.5
Health care cost trend rates	Initially ranges from -3.1 to 29.1 decreasing to an ultimate rate of 3.9 for 2075 and later years.	Initially ranges from 1.4 to 14.6 decreasing to an ultimate rate of 3.9 for 2075 and later years.

<sup>1</sup>The discount rate was based on the Bond Buyer 20-year tax-exempt general obligations municipal bond index rate since UCHRB<sup>T</sup> assets are not sufficient to make projected benefit payments.

## **Mortality Rates**

Mortality rates used to calculate the University’s net retiree health benefits liability are shown in Table 16.4:

**Table 16.4: Mortality Rates**

	2023	2022
Mortality Rates:		
Preretirement	Pub-2010 Teacher Employee Headcount-Weighted Above-Median Mortality Table.	Pub-2010 Teacher Employee Headcount-Weighted Above-Median Mortality Table.
Postretirement Healthy Members	Pub-2010 Healthy Teacher Retiree Headcount-Weighted Above-Median Mortality Table multiplied by 90 percent for faculty members or 110 percent and 105 percent for other male and female members, respectively.	Pub-2010 Healthy Teacher Retiree Headcount-Weighted Above-Median Mortality Table multiplied by 90 percent for faculty members or 115 percent and 110 percent for other male and female members, respectively.
Postretirement Disabled Members	Pub-2010 Non-Safety Disabled Retiree Headcount-Weighted Mortality Table multiplied by 85 percent.	Pub-2010 Non-Safety Disabled Retiree Headcount-Weighted Mortality Table.
Beneficiaries of Retired Members	After the expected (and actual) death of the retired member: Pub-2010 Contingent Survivor Headcount-Weighted Above-Median Mortality Table multiplied by 100 percent for males and 95 percent for females. While retired member is alive: rates for healthy retired members.	Pub-2010 Contingent Survivor Headcount-Weighted Above-Median Mortality Table.
Projection scale for all mortality tables	Generationally with the two-dimensional mortality improvement scale MP-2021.	Generationally with the two-dimensional mortality improvement scale MP-2018.

Actuarial assumptions are subject to periodic revisions as actual results are compared with past expectations and new estimates are made about the future. The actuarial assumptions used at June 30, 2023 were based upon the results of the most recent experience study covering the period of July 1, 2018 through June 30, 2022. The actuarial assumptions used at June 30, 2022 were based upon the results of the most recent experience study covering the period of July 1, 2014 through June 30, 2018.

## **Sensitivity of Net Retiree Health Benefits Liability to the Health Care Cost Trend Rate**

Table 16.5 presents the June 30, 2023 net retiree health benefits liability of the University as well as what the net retiree health benefits liability would be if it were calculated using a health care cost trend rate 1% higher and 1% lower than the current assumption:

**Table 16.5: Sensitivity of Net Retiree Health Benefits Liability to Health Care Cost Trend Rates**

(in thousands of dollars)	1% DECREASE (-4.1% to 28.1%) DECREASING TO (2.9%)	CURRENT TREND (-3.1% to 29.1%) DECREASING TO (3.9%)	1% INCREASE (-2.1% to 30.1%) DECREASING TO (4.9%)
Net retiree health benefits liability	\$18,710,091	\$22,327,431	\$27,033,574

## **Discount Rate**

The discount rates used to estimate the net retiree health benefits liability as of June 30, 2023 and 2022 were 3.65 percent and 3.54 percent, respectively.

## **Sensitivity of Net Retiree Health Benefits Liability to the Discount Rate Assumption**

Table 16.6 presents the June 30, 2023 net retiree health benefits liability of the University as well as what the net retiree health benefits liability would be if it were calculated using a discount rate 1% higher and 1% lower than the current assumption:

**Table 16.6: Sensitivity of Net Retiree Health Benefits Liability to Discount Rates**

(in thousands of dollars)	1% DECREASE (2.65%)	CURRENT DISCOUNT (3.65%)	1% INCREASE (4.65%)
Net retiree health benefits liability	\$26,322,337	\$22,327,431	\$19,128,649

## **Deferred Outflows of Resources and Deferred Inflows of Resources**

Tables 16.7a and 16.7b show the composition of deferred outflows of resources and deferred inflows of resources for retiree health benefits at June 30, 2023 and 2022.

**Table 16.7a: Composition of Deferred Outflows and Deferred Inflows for Retiree Health Benefits in 2023**

(in thousands of dollars)	CAMPUSES AND MEDICAL CENTERS	LBNL	TOTAL UNIVERSITY OF CALIFORNIA
<b>DEFERRED OUTFLOWS OF RESOURCES</b>			
Difference between expected and actual experience	\$917,237	\$49,480	\$966,717
Changes of assumptions or other inputs	3,436,516	51,475	3,487,991
Net difference between projected and actual earnings on plan investments	2,077		2,077
<b>Total</b>	<b>\$4,355,830</b>	<b>\$100,955</b>	<b>\$4,456,785</b>
<b>DEFERRED INFLOWS OF RESOURCES</b>			
Difference between expected and actual experience	\$2,131,073	\$38,201	\$2,169,274
Changes of assumptions or other inputs	5,744,959	113,171	5,858,130
<b>Total</b>	<b>\$7,876,032</b>	<b>\$151,372</b>	<b>\$8,027,404</b>

**Table 16.7b: Composition of Deferred Outflows and Deferred Inflows for Retiree Health Benefits in 2022**

(in thousands of dollars)	CAMPUSES AND MEDICAL CENTERS	LBNL	TOTAL UNIVERSITY OF CALIFORNIA
<b>DEFERRED OUTFLOWS OF RESOURCES</b>			
Difference between expected and actual experience	\$156,193	\$32,320	\$188,513
Changes of assumptions or other inputs	4,566,601	75,929	4,642,530
Net difference between projected and actual earnings on plan investments	6,437		6,437
<b>Total</b>	<b>\$4,729,231</b>	<b>\$108,249</b>	<b>\$4,837,480</b>
<b>DEFERRED INFLOWS OF RESOURCES</b>			
Difference between expected and actual experience	\$2,847,012	\$65,098	\$2,912,110
Changes of assumptions or other inputs	6,903,908	151,390	7,055,298
<b>Total</b>	<b>\$9,750,920</b>	<b>\$216,488</b>	<b>\$9,967,408</b>

The net amount of deferred outflows of resources and deferred inflows of resources as of June 30, 2023 related to retiree health benefits that will be recognized in retiree health benefit expense during the next five years and thereafter is shown in Table 16.8:

**Table 16.8: Net Deferred Outflows and Deferred Inflows of Resources for Retiree Health Benefits**

(in thousands of dollars)	CAMPUSES AND MEDICAL CENTERS	LBNL	TOTAL UNIVERSITY OF CALIFORNIA
2024	(\$644,112)	(\$11,651)	(\$655,763)
2025	(818,725)	(13,768)	(832,493)
2026	(463,026)	(21,224)	(484,250)
2027	(302,491)	(11,053)	(313,544)
2028	(461,541)	5,599	(455,942)
Thereafter	(830,307)	1,680	(828,627)
<b>Total</b>	<b>(\$3,520,202)</b>	<b>(\$50,417)</b>	<b>(\$3,570,619)</b>

## 17. ENDOWMENTS AND GIFTS

Endowments and gifts are held and administered either by the University or by the campus foundations.

### University of California

The value of endowments and gifts held and administered by the University, excluding income distributed to be used for operating purposes, at June 30, 2023 and 2022 is shown in Table 17.1:

**Table 17.1: Endowments and Gifts Held and Administered by the University**

(in thousands of dollars)	RESTRICTED NONEXPENDABLE	RESTRICTED EXPENDABLE	UNRESTRICTED	TOTAL
<i>At June 30, 2023</i>				
Endowments	\$1,290,807	\$4,433,530	\$14,820	\$5,739,157
Funds functioning as endowments		3,522,985	9,430,282	12,953,267
Gifts		3,338,345	183,964	3,522,309
<b>University endowments and gifts</b>	<b>\$1,290,807</b>	<b>\$11,294,860</b>	<b>\$9,629,066</b>	<b>\$22,214,733</b>
<i>At June 30, 2022</i>				
Endowments	\$1,261,836	\$4,208,513	\$13,739	\$5,484,088
Funds functioning as endowments		3,364,004	7,546,084	10,910,088
Gifts		2,928,410	183,789	3,112,199
<b>University endowments and gifts</b>	<b>\$1,261,836</b>	<b>\$10,500,927</b>	<b>\$7,743,612</b>	<b>\$19,506,375</b>

The University's endowment income distribution policies are designed to preserve the value of the endowment in real terms (after inflation) and to generate a predictable stream of spendable income. Endowment investments are managed to achieve the maximum long-term total return. As a result of this emphasis on total return, the proportion of the annual income distribution provided by dividend and interest income and by capital gains may vary significantly from year to year. The University's policy is to retain the realized and unrealized appreciation with the endowment after the annual income distribution has been made. The net appreciation available to meet future spending needs is subject to the approval of The Regents and amounted to \$3.6 billion and \$3.4 billion at June 30, 2023 and 2022, respectively.

The portion of investment returns earned on endowments held by the University and distributed at the end of each year to support current operations for the following year is based upon a rate that is approved by The Regents. The annual income distribution transferred to the campuses from endowments held by the University was \$503.0 million and \$432.2 million for the years ended June 30, 2023 and 2022, respectively. The portion of this annual income distribution from accumulated capital gains, in addition to the dividend and interest income earned during the year, was \$463.6 million and \$488.6 million for the years ended June 30, 2023 and 2022, respectively. Accumulated endowment income available for spending in the future, including the annual income distribution, was \$1.0 billion and \$930.2 million at June 30, 2023 and 2022, respectively.

## Campus Foundations

The value of endowments and gifts held by the campus foundations and administered by each of their independent Boards of Trustees at June 30 are shown in Table 17.2:

**Table 17.2: Endowments and Gifts Held and Administered by the Foundations**

(in thousands of dollars)	RESTRICTED NONEXPENDABLE	RESTRICTED EXPENDABLE	UNRESTRICTED	TOTAL
<i>At June 30, 2023</i>				
Endowments	\$6,907,145	\$2,506,499		\$9,413,644
Funds functioning as endowments		2,762,831		2,762,831
Gifts		2,797,842	\$1,330,652	4,128,494
<b>Campus foundations' endowments and gifts</b>	<b>\$6,907,145</b>	<b>\$8,067,172</b>	<b>\$1,330,652</b>	<b>\$16,304,969</b>
<i>At June 30, 2022</i>				
Endowments	\$6,428,020	\$2,277,434		\$8,705,454
Funds functioning as endowments		2,551,720		2,551,720
Gifts		2,362,782	\$989,497	3,352,279
<b>Campus foundations' endowments and gifts</b>	<b>\$6,428,020</b>	<b>\$7,191,936</b>	<b>\$989,497</b>	<b>\$14,609,453</b>

## 18. LEASES

The University is a lessor of land, buildings and equipment under agreements that extend through 2112. Some leases include one or more lessee options to renew, with renewal terms that can extend the lease term from one to 40 years. These leases may also include lessee options to terminate the leases.

Certain of the University's lease agreements include rental payments that are adjusted periodically, primarily for inflation. The lease agreements do not contain any material lease incentives paid, residual value guarantees, material restrictive covenants or material termination penalties.

The University measures the deferred inflow of resources at the present value of payments expected to be received including any advance lease payments or lease incentives during the lease term.

During the years ended June 30, 2023 and 2022, the University recorded \$78.5 million and \$72.6 million, respectively, in lease revenues.

## 19. SEGMENT INFORMATION

The University's medical centers and CHRCO's revenues are pledged in support of the outstanding University of California Medical Center Pooled Revenue Bonds. The medical centers' operating revenues and expenses consist primarily of revenues associated with patient care and the related costs of providing that care.

Condensed financial statement information related to the University's medical centers for the years ended June 30, 2023 and 2022 is shown in Table 19.1:

**Table 19.1: Condensed Financial Statement Information Related to the Medical Centers**

(in thousands of dollars)	2023	2022
Revenue bonds outstanding	\$7,479,572	\$7,545,842
Related debt service payments	396,856	269,122
Bonds due serially through	2120	2120
<b>CONDENSED STATEMENTS OF NET POSITION</b>		
Current assets	\$10,157,587	\$9,659,213
Capital assets, net	10,590,830	9,637,675
Other assets	4,319,888	4,996,820
<b>Total assets</b>	<b>25,068,305</b>	<b>24,293,708</b>
<b>Total deferred outflows of resources</b>	<b>3,446,283</b>	<b>4,688,524</b>
Current liabilities	4,079,301	3,887,014
Long-term debt, net of current portion	8,742,588	8,859,795
Other noncurrent liabilities	16,629,522	15,927,968
<b>Total liabilities</b>	<b>29,451,411</b>	<b>28,674,777</b>
<b>Total deferred inflows of resources</b>	<b>3,063,768</b>	<b>3,624,464</b>
Net investment in capital assets	4,658,593	4,369,612
Restricted	159,505	166,376
Unrestricted	(8,818,689)	(7,852,997)
<b>Total net position</b>	<b>(\$4,000,591)</b>	<b>(\$3,317,009)</b>
<b>CONDENSED STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET POSITION</b>		
Operating revenues	\$19,270,291	\$17,519,975
Operating expenses before depreciation	(18,358,893)	(16,431,038)
Depreciation expense	(781,569)	(752,880)
<b>Operating income</b>	<b>129,829</b>	<b>336,057</b>
Nonoperating revenues (expenses), net	120,421	(200,136)
<b>Income before other changes in net position</b>	<b>250,250</b>	<b>135,921</b>
Health systems support	(948,093)	(825,034)
Transfers from (to) University, net	21,653	(11,616)
Changes in allocation for pension payable to University	(28,520)	(166,825)
Other, including donated assets	21,128	24,336
<b>Change in net position</b>	<b>(683,582)</b>	<b>(843,218)</b>
Net position - beginning of year	(3,317,009)	(2,473,791)
<b>Net position - end of year</b>	<b>(\$4,000,591)</b>	<b>(\$3,317,009)</b>
<b>CONDENSED STATEMENTS OF CASH FLOWS</b>		
<i>Net cash provided (used) by:</i>		
Operating activities	\$1,857,708	\$1,094,683
Noncapital financing activities	(791,988)	(209,273)
Capital and related financing activities	(2,090,028)	1,108,557
Investing activities	1,022,996	(2,312,628)
<b>Net change in cash and cash equivalents</b>	<b>(1,312)</b>	<b>(318,661)</b>
Cash and cash equivalents* - beginning of year	5,935,137	6,253,798
<b>Cash and cash equivalents* - end of year</b>	<b>\$5,933,825</b>	<b>\$5,935,137</b>

\*Cash and cash equivalents in the medical centers' financial statements are included in the University's Short Term Investment Pool.

Summarized financial information in these tables is from the medical centers' audited financial statements. Certain revenue, such as financial support from the state for clinical teaching programs, is classified as state educational appropriations rather than medical center revenue in the University's statements of revenues, expenses and changes in net position. However, in the medical centers' audited financial statements and for segment reporting purposes, these revenues are classified as operating revenue. Additional information on the individual University of California medical centers can be obtained from their audited financial statements which are available at <https://www.ucop.edu/uc-controller/financial-reports/medical-center-financial-reports.html>.

Certain revenue generating projects (including student and faculty housing, parking facilities, student centers, recreation and events facilities, student health facilities and athletics facilities) are also financed by Limited Project Revenue Bonds; however, assets and liabilities are not required to be accounted for separately.

## 20. BLENDED COMPONENT UNIT INFORMATION

Condensed financial statement information related to certain of the University's blended component units for the year ended June 30, 2023 is shown in Table 20.1a:

**Table 20.1a: Condensed Financial Statement Information Related to Blended Component Units for 2023**

(in thousands of dollars)	FIAT LUX	CHRCO	RESEARCH	HOUSING
<b>CONDENSED STATEMENTS OF NET POSITION</b>				
Current assets	\$1,504,586	\$331,357	\$8,772	\$317,979
Capital assets, net		458,692	126,553	1,424,693
Other assets	291,963	373,326	367,786	104,138
<b>Total assets</b>	<b>1,796,549</b>	<b>1,163,375</b>	<b>503,111</b>	<b>1,846,810</b>
<b>Total deferred outflows of resources</b>		<b>67,015</b>	<b>4,696</b>	
Current liabilities	407,716	208,486	19,634	87,920
Other noncurrent liabilities	923,183	194,032	470,060	1,860,146
<b>Total liabilities</b>	<b>1,330,899</b>	<b>402,518</b>	<b>489,694</b>	<b>1,948,066</b>
<b>Total deferred inflows of resources</b>		<b>59,833</b>		<b>27,885</b>
Net investment in capital assets		342,152	36,805	
Restricted		106,789		
Unrestricted	465,650	319,098	(18,692)	(129,141)
<b>Total net position</b>	<b>\$465,650</b>	<b>\$768,039</b>	<b>\$18,113</b>	<b>(\$129,141)</b>
<b>CONDENSED STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION</b>				
Operating revenues	\$488,469	\$724,623	\$29,365	\$132,400
Operating expenses	(386,649)	(706,191)	293	(39,122)
Depreciation expense		(33,637)	(4,724)	(35,016)
<b>Operating income (loss)</b>	<b>101,820</b>	<b>(15,205)</b>	<b>24,934</b>	<b>58,262</b>
Nonoperating revenues (expenses), net	87,101	31,760	(16,635)	(67,013)
<b>Income (loss) before other changes in net position</b>	<b>188,921</b>	<b>16,555</b>	<b>8,299</b>	<b>(8,751)</b>
Transfers from University			(3,925)	
Other, including donated assets	548	2,368		
<b>Change in net position</b>	<b>189,469</b>	<b>18,923</b>	<b>4,374</b>	<b>(8,751)</b>
Net position – beginning of year	276,181	749,116	13,739	(120,390)
<b>Net position – end of year</b>	<b>\$465,650</b>	<b>\$768,039</b>	<b>\$18,113</b>	<b>(\$129,141)</b>
<b>CONDENSED STATEMENT OF CASH FLOWS</b>				
Net cash provided (used) by:				
Operating activities	(\$445,408)	\$26,950	\$17,887	\$70,992
Noncapital financing activities	2,100	20,840	22	
Capital and related financing activities		(58,167)	(30,522)	(99,428)
Investing activities	5,432	3,472	(146)	8,436
<b>Net change in cash and cash equivalents</b>	<b>(437,876)</b>	<b>(6,905)</b>	<b>(12,759)</b>	<b>(20,000)</b>
Cash and cash equivalents – beginning of year	842,158	203,521	18,730	56,672
<b>Cash and cash equivalents – end of year</b>	<b>\$404,282</b>	<b>\$196,616</b>	<b>\$5,971</b>	<b>\$36,672</b>

Condensed financial statement information related to certain of the University's blended component units for the year ended June 30, 2022 is shown in Table 20.1b:

**Table 20.1b: Condensed Financial Statement Information Related to Blended Component Units for 2022**

(in thousands of dollars)	FIAT LUX	CHRCO	RESEARCH	HOUSING
<b>CONDENSED STATEMENTS OF NET POSITION</b>				
Current assets	\$1,836,802	\$332,360	\$19,435	\$477,263
Capital assets, net		439,373	130,578	1,322,719
Other assets	338,867	375,995	371,389	149,368
<b>Total assets</b>	<b>2,175,669</b>	<b>1,147,728</b>	<b>521,402</b>	<b>1,949,350</b>
<b>Total deferred outflows of resources</b>		<b>125,152</b>	<b>4,972</b>	
Current liabilities	996,981	213,183	29,211	91,824
Other noncurrent liabilities	902,507	262,537	483,424	1,977,916
<b>Total liabilities</b>	<b>1,899,488</b>	<b>475,720</b>	<b>512,635</b>	<b>2,069,740</b>
<b>Total deferred inflows of resources</b>		<b>48,044</b>		
Net investment in capital assets		319,697	36,792	
Restricted		106,644		
Unrestricted	276,181	322,775	(23,053)	(120,390)
<b>Total net position</b>	<b>\$276,181</b>	<b>\$749,116</b>	<b>\$13,739</b>	<b>(\$120,390)</b>
<b>CONDENSED STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION</b>				
Operating revenues	\$471,401	\$679,156	\$28,730	\$121,058
Operating expenses	(886,877)	(635,007)	922	(46,282)
Depreciation expense		(38,422)	(5,615)	(33,373)
<b>Operating income (loss)</b>	<b>(415,476)</b>	<b>5,727</b>	<b>24,037</b>	<b>41,403</b>
Nonoperating revenues (expenses), net	(114,509)	(733)	(17,600)	(63,260)
<b>Income (loss) before other changes in net position</b>	<b>(529,985)</b>	<b>4,994</b>	<b>6,437</b>	<b>(21,857)</b>
Transfers from University			(38,338)	
Other, including donated assets	397,000	23,338	191	
<b>Change in net position</b>	<b>(132,985)</b>	<b>28,332</b>	<b>(31,710)</b>	<b>(21,857)</b>
Net position – beginning of year	409,166	720,784	45,449	(98,533)
<b>Net position – end of year</b>	<b>\$276,181</b>	<b>\$749,116</b>	<b>\$13,739</b>	<b>(\$120,390)</b>
<b>CONDENSED STATEMENT OF CASH FLOWS</b>				
Net cash provided (used) by:				
Operating activities	\$68,833	\$14,284	\$29,092	(\$73,534)
Noncapital financing activities	400,000	24,551		
Capital and related financing activities		(31,444)	(59,497)	84,925
Investing activities	215,900	3,368	(178)	8,430
<b>Net change in cash and cash equivalents</b>	<b>684,733</b>	<b>10,759</b>	<b>(30,583)</b>	<b>19,821</b>
Cash and cash equivalents – beginning of year	157,425	192,762	49,313	36,851
<b>Cash and cash equivalents – end of year</b>	<b>\$842,158</b>	<b>\$203,521</b>	<b>\$18,730</b>	<b>\$56,672</b>

CHRCO's other assets include investments in the UCSF Foundation's Endowed Investment Pool of \$315.2 million and \$316.4 million at June 30, 2023 and 2022.

## 21. DISCRETELY PRESENTED COMPONENT UNIT INFORMATION — CAMPUS FOUNDATIONS

Under University policies, each individual campus may establish a separate foundation to provide valuable assistance in fundraising, public outreach and other support for the missions of the campus and the University. Although independent boards govern these foundations, their assets are dedicated for the benefit of the University of California.

Condensed financial statement information related to the University's campus foundations, including their allocated share of the assets and liabilities associated with securities lending transactions in the University's investment pools, for the year ended June 30, 2023 is shown in Table 21.1a:

**Table 21.1a: Condensed Financial Statement Information Related to the Foundations for 2023**

(in thousands of dollars)	BERKELEY	SAN FRANCISCO	LOS ANGELES	SAN DIEGO	ALL OTHER	TOTAL
<b>CONDENSED STATEMENT OF NET POSITION</b>						
Current assets	\$283,338	\$491,074	\$1,205,627	\$236,242	\$194,728	\$2,411,009
Noncurrent assets	3,257,301	3,301,808	3,997,639	1,501,557	2,428,578	14,486,883
<b>Total assets</b>	<b>3,540,639</b>	<b>3,792,882</b>	<b>5,203,266</b>	<b>1,737,799</b>	<b>2,623,306</b>	<b>16,897,892</b>
Current liabilities	10,948	108,312	27,771	41,517	14,446	202,994
Noncurrent liabilities	73,316	45,535	29,365	7,756	23,335	179,307
<b>Total liabilities</b>	<b>84,264</b>	<b>153,847</b>	<b>57,136</b>	<b>49,273</b>	<b>37,781</b>	<b>382,301</b>
<b>Total deferred inflows of resources</b>	<b>56,904</b>	<b>29,089</b>	<b>45,131</b>	<b>58,059</b>	<b>21,439</b>	<b>210,622</b>
Restricted	3,395,599	3,609,570	3,834,536	1,595,420	2,539,192	14,974,317
Unrestricted	3,872	376	1,266,463	35,047	24,894	1,330,652
<b>Total net position</b>	<b>\$3,399,471</b>	<b>\$3,609,946</b>	<b>\$5,100,999</b>	<b>\$1,630,467</b>	<b>\$2,564,086</b>	<b>\$16,304,969</b>
<b>CONDENSED STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION</b>						
Operating revenues	\$347,703	\$1,005,533	\$596,379	\$117,617	\$176,659	\$2,243,891
Operating expenses	(569,618)	(482,687)	(436,773)	(168,717)	(238,651)	(1,896,446)
<b>Operating income (loss)</b>	<b>(221,915)</b>	<b>522,846</b>	<b>159,606</b>	<b>(51,100)</b>	<b>(61,992)</b>	<b>347,445</b>
Nonoperating revenues	258,211	108,376	254,873	136,106	152,691	910,257
<b>Income before other changes in net position</b>	<b>36,296</b>	<b>631,222</b>	<b>414,479</b>	<b>85,006</b>	<b>90,699</b>	<b>1,257,702</b>
Additions to permanent endowments	110,034	38,463	155,776	67,000	66,541	437,814
<b>Change in net position</b>	<b>146,330</b>	<b>669,685</b>	<b>570,255</b>	<b>152,006</b>	<b>157,240</b>	<b>1,695,516</b>
Net position – beginning of year	3,253,141	2,940,261	4,530,744	1,478,461	2,406,846	14,609,453
<b>Net position – end of year</b>	<b>\$3,399,471</b>	<b>\$3,609,946</b>	<b>\$5,100,999</b>	<b>\$1,630,467</b>	<b>\$2,564,086</b>	<b>\$16,304,969</b>
<b>CONDENSED STATEMENT OF CASH FLOWS</b>						
Net cash provided (used) by:						
Operating activities	(\$98,430)	(\$172,172)	\$114,308	(\$53,585)	(\$76,080)	(\$285,959)
Noncapital financing activities	95,200	52,920	139,864	56,929	56,126	401,039
Investing activities	15,141	(134,101)	(317,773)	(10,197)	28,619	(418,311)
<b>Net change in cash and cash equivalents</b>	<b>11,911</b>	<b>(253,353)</b>	<b>(63,601)</b>	<b>(6,853)</b>	<b>8,665</b>	<b>(303,231)</b>
Cash and cash equivalents – beginning of year	29,997	422,910	68,234	7,192	47,268	575,601
<b>Cash and cash equivalents – end of year</b>	<b>\$41,908</b>	<b>\$169,557</b>	<b>\$4,633</b>	<b>\$339</b>	<b>\$55,933</b>	<b>\$272,370</b>

Condensed financial statement information related to the University's campus foundations, including their allocated share of the assets and liabilities associated with securities lending transactions in the University's investment pools, for the year ended June 30, 2022 is shown in Table 21.1b:

**Table 21.1b: Condensed Financial Statement Information Related to the Foundations for 2022**

(in thousands of dollars)	BERKELEY	SAN FRANCISCO	LOS ANGELES	SAN DIEGO	ALL OTHER	TOTAL
<b>CONDENSED STATEMENT OF NET POSITION</b>						
Current assets	\$447,399	\$524,316	\$933,973	\$210,280	\$192,432	\$2,308,400
Noncurrent assets	2,952,226	2,613,128	3,712,482	1,377,989	2,266,279	12,922,104
<b>Total assets</b>	<b>3,399,625</b>	<b>3,137,444</b>	<b>4,646,455</b>	<b>1,588,269</b>	<b>2,458,711</b>	<b>15,230,504</b>
Current liabilities	19,485	127,461	49,426	40,684	8,095	245,151
Noncurrent liabilities	73,728	39,550	29,954	7,573	22,254	173,059
<b>Total liabilities</b>	<b>93,213</b>	<b>167,011</b>	<b>79,380</b>	<b>48,257</b>	<b>30,349</b>	<b>418,210</b>
<b>Total deferred inflows of resources</b>	<b>53,271</b>	<b>30,172</b>	<b>36,331</b>	<b>61,551</b>	<b>21,516</b>	<b>202,841</b>
Restricted	3,250,109	2,939,890	3,597,765	1,446,975	2,385,217	13,619,956
Unrestricted	3,032	371	932,979	31,486	21,629	989,497
<b>Total net position</b>	<b>\$3,253,141</b>	<b>\$2,940,261</b>	<b>\$4,530,744</b>	<b>\$1,478,461</b>	<b>\$2,406,846</b>	<b>\$14,609,453</b>
<b>CONDENSED STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION</b>						
Operating revenues	\$587,289	\$514,165	\$526,655	\$136,196	\$217,183	\$1,981,488
Operating expenses	(361,772)	(444,814)	(381,558)	(125,389)	(259,485)	(1,573,018)
<b>Operating income (loss)</b>	<b>225,517</b>	<b>69,351</b>	<b>145,097</b>	<b>10,807</b>	<b>(42,302)</b>	<b>408,470</b>
Nonoperating expenses	(334,509)	(173,318)	(373,467)	(111,955)	(143,231)	(1,136,480)
<b>Loss before other changes in net position</b>	<b>(108,992)</b>	<b>(103,967)</b>	<b>(228,370)</b>	<b>(101,148)</b>	<b>(185,533)</b>	<b>(728,010)</b>
Additions to permanent endowments	169,549	85,638	154,539	60,142	107,304	577,172
<b>Change in net position</b>	<b>60,557</b>	<b>(18,329)</b>	<b>(73,831)</b>	<b>(41,006)</b>	<b>(78,229)</b>	<b>(150,838)</b>
Net position – beginning of year	3,192,584	2,958,590	4,604,575	1,519,467	2,485,075	14,760,291
<b>Net position – end of year</b>	<b>\$3,253,141</b>	<b>\$2,940,261</b>	<b>\$4,530,744</b>	<b>\$1,478,461</b>	<b>\$2,406,846</b>	<b>\$14,609,453</b>
<b>CONDENSED STATEMENT OF CASH FLOWS</b>						
Net cash provided (used) by:						
Operating activities	(\$96,500)	(\$40,129)	\$190,147	(\$19,738)	(\$93,573)	(\$59,793)
Noncapital financing activities	135,136	104,945	138,413	51,191	86,041	515,726
Investing activities	(15,772)	87,592	(267,933)	(25,251)	4,361	(217,003)
<b>Net change in cash and cash equivalents</b>	<b>22,864</b>	<b>152,408</b>	<b>60,627</b>	<b>6,202</b>	<b>(3,171)</b>	<b>238,930</b>
Cash and cash equivalents – beginning of year	7,133	270,502	7,607	990	50,439	336,671
<b>Cash and cash equivalents – end of year</b>	<b>\$29,997</b>	<b>\$422,910</b>	<b>\$68,234</b>	<b>\$7,192</b>	<b>\$47,268</b>	<b>\$575,601</b>

Additional information on the foundations can be found in the foundations' separately issued annual reports, which can be obtained by contacting each individual foundation.

## **22. COMMITMENTS AND CONTINGENCIES**

### **Contractual Commitments**

Amounts committed but unexpended for construction projects totaled \$8.5 billion at June 30, 2023. The University has a remaining commitment to contribute \$60.0 million for investments in joint ventures at June 30, 2023. The University has a remaining commitment for one of its campuses through 2036 to provide \$74.3 million for fire and other city-related services at June 30, 2023.

### **Contingencies**

Substantial amounts are received and expended by the University, including its medical centers, under federal and state programs, and are subject to audit and other inquiries by cognizant governmental agencies and other parties. This funding relates to research, student aid, medical center operations and other programs. University management believes that any liabilities arising from such audits and other inquiries will not have a material effect on the University's financial position.

The University and the campus foundations are contingently liable in connection with certain other claims and contracts, including those currently in litigation, arising in the normal course of its activities. Although there are inherent uncertainties in any litigation, University management and general counsel are of the opinion that the outcome of such matters will not have a material effect on the University's financial position.

## **23. SUBSEQUENT EVENTS**

In September 2023, General Revenue bonds totaling \$706.6 million, including \$586.5 million in tax-exempt bonds, were issued to finance the acquisition, construction, improvement and renovation of certain facilities of the University. The bonds mature at various dates through 2035. Proceeds of the bonds, including a bond premium of \$93.0 million, were used to pay for project construction and issuance costs. The fixed-rate tax-exempt bonds have a stated weighted average interest rate of 5.0 percent. The taxable bonds have a stated weighted average interest rate of 5.1 percent. The deferred premium will be amortized as a reduction to interest expense over the term of the bonds.

# Required Supplementary Information (Unaudited)

## UCRP

The schedule of changes in net pension liability includes multiyear trend information about whether the pension assets are increasing or decreasing over time relative to the pension liabilities. UCRP RSI Table 1 shows the schedule of changes in the net pension liability for UCRP as of June 30 for the past 10 years.

**UCRP RSI Table 1: Changes in Net Position Liability**

(in thousands of dollars)	2023	2022	2021	2020	2019
<b>TOTAL PENSION LIABILITY</b>					
Service cost	\$2,753,510	\$2,588,194	\$2,564,134	\$2,466,497	\$1,946,612
Interest on the total pension liability	6,985,737	6,633,210	6,311,412	5,981,599	5,576,660
Changes in benefit terms	33,303				
Difference between expected and actual experience	451,908	284,807	462,839	(282,321)	334,605
Changes of assumptions or other inputs	469,788				7,816,717
Benefits paid, including refunds of employee contributions	(4,764,459)	(4,534,161)	(4,299,910)	(3,944,998)	(3,816,434)
<b>Net change in total pension liability</b>	<b>5,929,787</b>	<b>4,972,050</b>	<b>5,038,475</b>	<b>4,220,777</b>	<b>11,858,160</b>
Total pension liability - beginning of year	102,635,910	97,663,860	92,625,385	88,404,608	76,546,448
<b>Total pension liability - end of year</b>	<b>108,565,697</b>	<b>102,635,910</b>	<b>97,663,860</b>	<b>92,625,385</b>	<b>88,404,608</b>
<b>PLAN NET POSITION</b>					
Contributions - employer	2,770,474	2,892,621	2,705,058	2,444,025	2,408,650
Contributions - member	1,206,097	1,105,405	1,053,939	1,019,302	956,543
Contributions - state					
Net investment income	7,696,274	(9,765,875)	21,439,296	1,184,938	4,018,595
Benefits paid, including refunds of employee contributions	(4,764,459)	(4,534,161)	(4,299,910)	(3,944,998)	(3,816,434)
Administrative expense	(76,629)	(84,760)	(64,826)	(65,989)	(61,981)
<b>Net change in plan net position</b>	<b>6,831,757</b>	<b>(10,386,770)</b>	<b>20,833,557</b>	<b>637,278</b>	<b>3,505,373</b>
Plan net position - beginning of year	81,363,028	91,749,798	70,916,241	70,278,963	66,773,590
<b>Plan net position - end of year</b>	<b>88,194,785</b>	<b>81,363,028</b>	<b>91,749,798</b>	<b>70,916,241</b>	<b>70,278,963</b>
<b>Net pension liability - end of year</b>	<b>\$20,370,912</b>	<b>\$21,272,882</b>	<b>\$5,914,062</b>	<b>\$21,709,144</b>	<b>\$18,125,645</b>

**UCRP RSI Table 1: Changes in Net Position Liability** *continued*

(in thousands of dollars)	2018	2017	2016	2015	2014
<b>TOTAL PENSION LIABILITY</b>					
Service cost	\$1,873,004	\$1,807,143	\$1,710,241	\$1,589,267	\$1,519,183
Interest on the total pension liability	5,295,733	5,035,267	4,784,904	4,538,846	4,316,728
Difference between expected and actual experience	138,419	74,664	136,167	(112,155)	(320,624)
Changes of assumptions or other inputs				2,136,793	
Benefits paid, including refunds of employee contributions	(3,587,554)	(3,320,990)	(3,105,641)	(2,976,992)	(2,687,540)
<b>Net change in total pension liability</b>	<b>3,719,602</b>	<b>3,596,084</b>	<b>3,525,671</b>	<b>5,175,759</b>	<b>2,827,747</b>
Total pension liability - beginning of year	72,826,846	69,230,762	65,705,091	60,529,332	57,701,585
<b>Total pension liability - end of year</b>	<b>76,546,448</b>	<b>72,826,846</b>	<b>69,230,762</b>	<b>65,705,091</b>	<b>60,529,332</b>
<b>PLAN NET POSITION</b>					
Contributions - employer	2,335,874	2,385,576	2,426,683	2,510,046	1,580,876
Contributions - member	941,144	891,987	845,036	793,012	577,466
Contributions - state	169,000	171,000	96,000		
Net investment income	4,837,552	7,866,281	(1,104,655)	1,993,801	8,009,980
Benefits paid, including refunds of employee contributions	(3,587,554)	(3,320,990)	(3,105,642)	(2,976,993)	(2,687,540)
Administrative expense	(36,684)	(44,128)	(48,340)	(48,283)	(37,641)
<b>Net change in plan net position</b>	<b>4,659,332</b>	<b>7,949,726</b>	<b>(890,918)</b>	<b>2,271,583</b>	<b>7,443,141</b>
Plan net position - beginning of year	62,114,258	54,164,532	55,055,450	52,783,867	45,340,726
<b>Plan net position - end of year</b>	<b>66,773,590</b>	<b>62,114,258</b>	<b>54,164,532</b>	<b>55,055,450</b>	<b>52,783,867</b>
<b>Net pension liability - end of year</b>	<b>\$9,772,858</b>	<b>\$10,712,588</b>	<b>\$15,066,230</b>	<b>\$10,649,641</b>	<b>\$7,745,465</b>

### Notes to Required Supplementary Information for the Year Ended June 30, 2023: UCRP

*Changes of benefit terms.* UCRP was amended during the fiscal year ended June 30, 2023 to provide a one-time cost-of-living adjustment (ad-hoc COLA) to a cohort of retirees. There were no changes to the size or composition of the covered population in any of the fiscal years in the 10 year period which ended June 30, 2023, that significantly affected the total pension liability.

*Changes of assumptions.* Actuarial assumptions were changed three times during the 10 year period which ended June 30, 2023, each time coinciding with an experience study. Amounts reported in 2023 include an adjustment to the mortality assumption reflecting longer life expectancy. Amounts reported in 2019 include an adjustment to the mortality assumption reflecting longer life expectancy and a decrease in the investment rate of return from 7.25 percent to 6.75 percent. Amounts reported in 2015 include an adjustment to the mortality assumption reflecting longer life expectancy and a decrease in the investment rate of return from 7.50 percent to 7.25 percent.

UCRP RSI Table 2 presents a 10-year history of the ratio of net pension liability to total pension liability and the net pension liability as a percentage of covered payroll.

**UCRP RSI Table 2: Ratio of Net Pension Liability to Total Pension Liability**

(in thousands of dollars)	2023	2022	2021	2020	2019
Total pension liability	\$108,565,697	\$102,635,910	\$97,663,860	\$92,625,385	\$88,404,608
Plan net position	88,194,785	81,363,028	91,749,798	70,916,241	70,278,963
<b>Net pension liability</b>	<b>\$20,370,912</b>	<b>\$21,272,882</b>	<b>\$5,914,062</b>	<b>\$21,709,144</b>	<b>\$18,125,645</b>
Ratio of plan net position to total pension liability	81.2%	79.3%	93.9%	76.6%	79.5%
Covered payroll	\$15,191,170	\$13,921,086	\$13,215,494	\$13,056,696	\$12,168,209
Net pension liability as a percentage of covered payroll	134.1%	152.8%	44.8%	166.3%	149.0%
(in thousands of dollars)	2018	2017	2016	2015	2014
Total pension liability	\$76,546,448	\$72,826,846	\$69,230,762	\$65,705,091	\$60,529,332
Plan net position	66,773,590	62,114,258	54,164,532	55,055,450	52,783,867
<b>Net pension liability</b>	<b>\$9,772,858</b>	<b>\$10,712,588</b>	<b>\$15,066,230</b>	<b>\$10,649,641</b>	<b>\$7,745,465</b>
Ratio of plan net position to total pension liability	87.2%	85.3%	78.2%	83.8%	87.2%
Covered payroll	\$11,923,489	\$11,301,506	\$10,689,424	\$10,047,570	\$9,372,583
Net pension liability as a percentage of covered payroll	82.0%	94.8%	140.9%	106.0%	82.6%

The Regents' funding policy provides for actuarially determined contributions at rates reasonably expected to maintain UCRP on an actuarially sound basis. LBNL is required to make employer and employee contributions in conformity with The Regents' contract with the DOE. The annual contribution deficiency as of June 30 is presented in UCRP RSI Table 3 below:

**UCRP RSI Table 3: Annual Contribution Deficiency**

(in thousands of dollars)

YEAR ENDED JUNE 30	ACTUARILY DETERMINED CONTRIBUTIONS	CONTRIBUTIONS IN RELATION TO ACTUARIAL CONTRIBUTIONS	CONTRIBUTION DEFICIENCY (EXCESS)	COVERED PAYROLL	CONTRIBUTIONS AS A PERCENTAGE OF COVERED PAYROLL
2023	\$3,814,606	\$2,770,474	\$1,044,132	\$15,191,170	18%
2022	3,712,774	2,892,621	820,153	13,921,086	21
2021	3,523,568	2,705,058	818,510	13,215,494	20
2020	2,516,234	2,444,025	72,209	13,056,696	19
2019	2,742,671	2,408,650	334,021	12,168,209	20
2018	2,669,169	2,504,874	164,295	11,923,489	21
2017	2,654,710	2,556,576	98,134	11,301,506	23
2016	2,610,953	2,522,683	88,270	10,689,424	24
2015	2,664,384	2,510,046	154,338	10,047,570	25
2014	2,472,697	1,580,876	891,821	9,372,583	17

**UCRP RSI Table 4: Methods and Assumptions Used to Determine Contribution Rates**

**NOTES TO SCHEDULE**

**Methods and assumptions used to determined contribution rates:**

Valuation date	Actuarially determined contribution rates are calculated as of July 1, two years prior to the end of the fiscal year in which contributions are reported.
Actuarial cost method	Entry age actuarial cost method.
Amortization method	Level dollar, closed periods.
Remaining amortization period	15.82 years as of July 1, 2022. The July 1, 2010 amortization bases were combined into a single amortization base and amortized over 30 years. Any changes in Unfunded Actuarial Accrued Liability (UAAL) due to actuarial experience gains or losses after July 1, 2010, are separately amortized over a fixed (closed) 30-year period effective with that valuation. Any changes in UAAL due to a change in actuarial assumptions or plan provisions are separately amortized over a fixed (closed) 15-year period. Any changes in UAAL due to actuarial experience gains or losses or a change in actuarial assumptions after July 1, 2014, are separately amortized over a fixed (closed) 20-year period. Any changes in UAAL due to plan amendments after July 1, 2014 affecting non-active members are separately amortized over a fixed (closed) 10-year period.
Asset valuation method	The market value of assets less unrecognized returns in each of the last five years. An unrecognized return is equal to the difference between the actual and the expected return on a market value basis and is recognized over a five-year period.
Inflation	2.50%.
Investment rate of return	6.75%, net of pension plan investment expenses, including inflation.
Projected salary increases	3.65-5.95%, varying by service, including inflation.
Cost-of-living adjustments	2.00%
Mortality	Actives and inactives: Pub-2010 Teacher Employee Amount-Weighted Above-Median Mortality Table. Healthy retired members: Pub-2010 Healthy Teacher Amount-Weighted Above-Median Mortality Table, multiplied by 90 percent for male faculty members, 95 percent for female faculty members, 100 percent for other male members and 110 percent for other female members. Beneficiaries of retired members: Pub-2010 Contingent Survivor Amount-Weighted Above-Median Mortality Table multiplied by 100 percent for males and 90 percent for females. Disabled members: Pub-2010 Non-Safety Disabled Retiree Amount-Weighted Mortality Table. All mortality tables listed above are projected generationally with the two-dimensional mortality improvement scale MP-2018.

## UC-VERIP

The schedule of changes in net pension liability includes multiyear trend information about whether the pension assets are increasing or decreasing over time relative to the pension liabilities. UC-VERIP RSI Table 1 shows the schedule of changes in the net pension liability for the UC-VERIP as of June 30:

**UC-VERIP RSI Table 1: Changes in Net Pension Liability**

(in thousands of dollars)	2023	2022	2021	2020	2019
<b>TOTAL PENSION LIABILITY</b>					
Interest on the total pension liability	\$1,181	\$1,384	\$1,513	\$1,656	\$1,983
Difference between expected and actual experience	(1,242)	108	179	(1,342)	(79)
Changes of assumptions or other inputs	(440)				714
Benefits paid, including refunds of employee contributions	(2,987)	(3,324)	(3,750)	(4,142)	(4,213)
<b>Net change in total pension liability</b>	<b>(3,488)</b>	<b>(1,832)</b>	<b>(2,058)</b>	<b>(3,828)</b>	<b>(1,595)</b>
Total pension liability - beginning of year	20,227	22,059	24,117	27,945	29,540
<b>Total pension liability - end of year</b>	<b>16,739</b>	<b>20,227</b>	<b>22,059</b>	<b>24,117</b>	<b>27,945</b>
<b>PLAN NET POSITION</b>					
Net investment income	5,955	(7,853)	18,277	1,049	3,748
Benefits paid, including refunds of employee contributions	(2,987)	(3,324)	(3,750)	(4,142)	(4,213)
Administrative expense	(3)	(3)	(4)	(4)	(5)
<b>Net change in plan net position</b>	<b>2,965</b>	<b>(11,180)</b>	<b>14,523</b>	<b>(3,097)</b>	<b>(470)</b>
Plan net position - beginning of year	65,024	76,204	61,681	64,778	65,248
<b>Plan net position - end of year</b>	<b>67,989</b>	<b>65,024</b>	<b>76,204</b>	<b>61,681</b>	<b>64,778</b>
<b>Net pension surplus - end of year</b>	<b>(\$51,250)</b>	<b>(\$44,797)</b>	<b>(\$54,145)</b>	<b>(\$37,564)</b>	<b>(\$36,833)</b>
(in thousands of dollars)	2018	2017	2016	2015	2014
<b>TOTAL PENSION LIABILITY</b>					
Interest on the total pension liability	\$2,042	\$2,463	\$2,533	\$2,704	\$2,857
Difference between expected and actual experience	(436)	(189)	(650)	242	(436)
Changes of assumptions or other inputs				1,837	
Benefits paid, including refunds of employee contributions	(4,610)	(4,738)	(4,937)	(5,081)	(5,169)
<b>Net change in total pension liability</b>	<b>(3,004)</b>	<b>(2,464)</b>	<b>(3,054)</b>	<b>(298)</b>	<b>(2,748)</b>
Total pension liability - beginning of year	32,544	35,008	38,062	38,360	41,108
<b>Total pension liability - end of year</b>	<b>29,540</b>	<b>32,544</b>	<b>35,008</b>	<b>38,062</b>	<b>38,360</b>
<b>PLAN NET POSITION</b>					
Net investment income	4,885	8,666	(1,425)	2,550	11,035
Benefits paid, including refunds of employee contributions	(4,610)	(4,738)	(4,937)	(5,081)	(5,169)
Administrative expense	(5)	(6)	(7)	(6)	(6)
<b>Net change in plan net position</b>	<b>270</b>	<b>3,922</b>	<b>(6,369)</b>	<b>(2,537)</b>	<b>5,860</b>
Plan net position - beginning of year	64,978	61,056	67,425	69,962	64,102
<b>Plan net position - end of year</b>	<b>65,248</b>	<b>64,978</b>	<b>61,056</b>	<b>67,425</b>	<b>69,962</b>
<b>Net pension surplus - end of year</b>	<b>(\$35,708)</b>	<b>(\$32,434)</b>	<b>(\$26,048)</b>	<b>(\$29,363)</b>	<b>(\$31,602)</b>

## **Notes to Required Supplementary Information for the Year Ended June 30, 2023: UC-VERIP**

*Changes of benefit terms.* There were no changes in benefit terms or the size or composition of the covered population in any of the fiscal years in the 10 year period which ended June 30, 2023, that significantly affected the total pension liability.

*Changes of assumptions.* Actuarial assumptions were changed three times during the 10 year period which ended June 30, 2023, each time coinciding with an experience study. Amounts reported in 2023 include an adjustment to the mortality assumption reflecting longer life expectancy. Amounts reported in 2019 include an adjustment to the mortality assumption reflecting longer life expectancy and a decrease in the investment rate of return from 7.25 percent to 6.75 percent. Amounts reported in 2015 include an adjustment to the mortality assumption reflecting longer life expectancy and a decrease in the investment rate of return from 7.50 percent to 7.25 percent.

UC-VERIP RSI Table 2 presents a 10-year history of the ratio of net pension liability to total pension liability.

**UC-VERIP RSI Table 2: Ratio of Net Pension Liability to Total Pension Liability**

(in thousands of dollars)	2023	2022	2021	2020	2019
Total pension liability	\$16,739	\$20,227	\$22,059	\$24,117	\$27,945
Plan net position	67,989	65,024	76,204	61,681	64,778
<b>Net pension surplus</b>	<b>(\$51,250)</b>	<b>(\$44,797)</b>	<b>(\$54,145)</b>	<b>(\$37,564)</b>	<b>(\$36,833)</b>
Ratio of plan net position to total pension liability	406.2%	321.5%	345.5%	255.8%	231.8%
<hr/>					
(in thousands of dollars)	2018	2017	2016	2015	2014
Total pension liability	\$29,540	\$32,544	\$35,008	\$38,062	\$38,360
Plan net position	65,248	64,978	61,056	67,425	69,962
<b>Net pension surplus</b>	<b>(\$35,708)</b>	<b>(\$32,434)</b>	<b>(\$26,048)</b>	<b>(\$29,363)</b>	<b>(\$31,602)</b>
Ratio of plan net position to total pension liability	220.9%	199.7%	174.4%	177.1%	182.4%

The University is not required to make contributions to the UC-VERIP due to its fully funded status.

## CHRCO PENSION PLAN

The schedule of changes in net pension liability includes multiyear trend information about whether the pension assets are increasing or decreasing over time relative to the pension liabilities. CHRCO RSI Table 1 shows the schedule of changes in the net pension liability for the CHRCO as of June 30:

**CHRCO RSI Table 1: Changes in Net Pension Liability**

(in thousands of dollars)	2023	2022	2021	2020	2019
<b>TOTAL PENSION LIABILITY</b>					
Service cost	\$14,159	\$15,775	\$14,873	\$12,648	\$11,430
Interest on the total pension liability	44,522	42,159	38,932	36,005	34,165
Changes of benefit terms					
Difference between expected and actual experience	6,851	1,058	18,527	23,581	5,214
Changes of assumptions or other inputs	(23,590)	(22,525)	(2,413)	28,609	(9,540)
Benefits paid, including refunds of employee contributions	(25,027)	(22,683)	(19,684)	(17,262)	(15,143)
<b>Net change in total pension liability</b>	<b>16,915</b>	<b>13,784</b>	<b>50,235</b>	<b>83,581</b>	<b>26,126</b>
Total pension liability - beginning of year	657,935	644,151	593,916	510,335	484,209
<b>Total pension liability - end of year</b>	<b>674,850</b>	<b>657,935</b>	<b>644,151</b>	<b>593,916</b>	<b>510,335</b>
<b>PLAN NET POSITION</b>					
Contributions - employer	41,400	37,452	31,752	31,200	31,200
Net investment income (loss)	73,339	(94,275)	111,835	(7,468)	25,203
Benefits paid, including refunds of employee contributions	(25,027)	(22,683)	(19,684)	(17,262)	(15,143)
Administrative expense	(4,073)	(4,062)	(3,600)	(3,598)	(2,711)
<b>Net change in plan net position</b>	<b>85,639</b>	<b>(83,568)</b>	<b>120,303</b>	<b>2,872</b>	<b>38,549</b>
Total plan net position - beginning of year	538,217	621,785	501,482	498,610	460,061
<b>Total plan net position - end of year</b>	<b>623,856</b>	<b>538,217</b>	<b>621,785</b>	<b>501,482</b>	<b>498,610</b>
<b>Net pension liability - end of year</b>	<b>\$50,994</b>	<b>\$119,718</b>	<b>\$22,366</b>	<b>\$92,434</b>	<b>\$11,725</b>
(in thousands of dollars)	2018	2017	2016	2015	2014
<b>TOTAL PENSION LIABILITY</b>					
Service cost	\$11,304	\$9,910	\$10,410	\$9,448	\$9,274
Interest on the total pension liability	31,854	29,672	27,782	24,683	22,453
Changes of benefit terms	92	33	24	40	142
Difference between expected and actual experience	3,609	2,442	(3,690)	762	2,487
Changes of assumptions or other inputs			3,613	33,105	
Benefits paid, including refunds of employee contributions	(12,802)	(11,767)	(9,509)	(8,082)	(6,994)
<b>Net change in total pension liability</b>	<b>34,057</b>	<b>30,290</b>	<b>28,630</b>	<b>59,956</b>	<b>27,362</b>
Total pension liability - beginning of year	450,152	419,862	391,232	331,276	303,914
<b>Total pension liability - end of year</b>	<b>484,209</b>	<b>450,152</b>	<b>419,862</b>	<b>391,232</b>	<b>331,276</b>
<b>PLAN NET POSITION</b>					
Contributions - employer	33,600	28,800	24,000	18,000	14,500
Net investment income	33,269	41,256	214	11,797	48,704
Benefits paid, including refunds of employee contributions	(12,802)	(11,767)	(9,509)	(8,082)	(6,994)
Administrative expense	(3,014)	(2,727)	(1,816)	(1,222)	(718)
<b>Net change in plan net position</b>	<b>51,053</b>	<b>55,562</b>	<b>12,889</b>	<b>20,493</b>	<b>55,492</b>
Total plan net position - beginning of year	409,008	353,446	340,557	320,064	264,572
<b>Total plan net position - end of year</b>	<b>460,061</b>	<b>409,008</b>	<b>353,446</b>	<b>340,557</b>	<b>320,064</b>
<b>Net pension liability - end of year</b>	<b>\$24,148</b>	<b>\$41,144</b>	<b>\$66,416</b>	<b>\$50,675</b>	<b>\$11,212</b>

CHRCO RSI Table 2 presents a 10-year history of the ratio of net pension liability to total pension liability.

**CHRCO RSI Table 2: Ratio of Net Pension Liability to Total Pension Liability**

(in thousands of dollars)	2023	2022	2021	2020	2019
Total pension liability	\$674,850	\$657,935	\$644,151	\$593,916	\$510,335
Plan net position	623,856	538,217	621,785	501,482	498,610
<b>Net pension liability</b>	<b>\$50,994</b>	<b>\$119,718</b>	<b>\$22,366</b>	<b>\$92,434</b>	<b>\$11,725</b>
Ratio of plan net position to total pension liability	92.4%	81.8%	96.5%	84.4%	97.7%
Covered payroll	\$224,898	\$214,184	\$220,208	\$209,596	\$190,599
Net pension liability as a percentage of covered payroll	22.7%	55.9%	10.2%	44.1%	6.2%
(in thousands of dollars)	2018	2017	2016	2015	2014
Total pension liability	\$484,209	\$450,152	\$419,862	\$391,232	\$331,276
Plan net position	460,061	409,008	353,446	340,557	320,064
<b>Net pension liability</b>	<b>\$24,148</b>	<b>\$41,144</b>	<b>\$66,416</b>	<b>\$50,675</b>	<b>\$11,212</b>
Ratio of plan net position to total pension liability	95.0%	90.9%	84.2%	87.0%	96.6%
Covered payroll	\$187,639	\$184,083	\$165,672	\$177,986	\$175,189
Net pension liability as a percentage of covered payroll	12.9%	22.4%	40.1%	28.5%	6.4%

The schedule of employer contributions for the CHRCO Pension Plan as of June 30 is:

**CHRCO RSI Table 3: Schedule of Employer Contributions**

(in thousands of dollars)	2023	2022	2021	2020	2019
Actuarially calculated employer contributions	\$17,990	\$11,050	\$15,270	\$22,070	\$17,870
Contributions in relation to the actuarially calculated employer contribution	41,400	37,452	31,752	31,200	31,200
<b>Annual contribution deficiency (excess)</b>	<b>(\$23,410)</b>	<b>(\$26,402)</b>	<b>(\$16,482)</b>	<b>(\$9,130)</b>	<b>(\$13,330)</b>
Covered payroll	224,898	\$214,184	\$220,208	\$209,596	\$190,599
Actual contributions as a percentage of covered payroll	18.4%	17.5%	14.4%	14.9%	16.4%
(in thousands of dollars)	2018	2017	2016	2015	2014
Actuarially calculated employer contributions	\$7,710	\$5,642	\$7,823	\$12,239	\$21,282
Contributions in relation to the actuarially calculated employer contribution	33,600	28,800	24,000	18,000	14,500
<b>Annual contribution deficiency (excess)</b>	<b>(\$25,890)</b>	<b>(\$23,158)</b>	<b>(\$16,177)</b>	<b>(\$5,761)</b>	<b>\$6,782</b>
Covered payroll	\$187,639	\$184,083	\$165,672	\$177,986	\$175,189
Actual contributions as a percentage of covered payroll	17.9%	15.6%	14.5%	10.1%	8.3%

**CHRCO RSI Table 4: Methods and Assumptions Used to Determine Contribution Rates**

#### NOTES TO SCHEDULE

##### Methods and assumptions used to determine contribution rates:

Valuation date	Actuarially calculated contributions are calculated as of January 1 of the fiscal year (for the Rep Plan) and as of July 1 of the beginning of the fiscal year (for the Unrep Plan) in which contributions are reported.
Actuarially determined contribution	The Plan is subject to funding requirements under ERISA. The contribution shown is the IRC Section 430 minimum contribution prior to offset by credit balances prorated for the number of months in the fiscal year. For the period January 1, 2014 to June 30, 2014, the amount shown does not reflect changes in the Highway and Transportation Funding Act of 2014 (HATFA). The contribution for July 1, 2014 to June 30, 2015, and after includes HATFA. The contribution for July 1, 2020 and after reflects the American Rescue Plan Act of 2021 (ARPA) and Infrastructure Investment and Jobs Act ("IIJA") of 2021. For the Rep Plan, the actuarially determined contribution represents half of the prior plan year and half of the current plan year required minimum contribution amounts.
Contributions in relation to the actuarially determined contribution	The amount shown is equal to the contributions contributed to the Plan during the fiscal year shown.
Actuarial cost method	Unit Credit Actuarial Cost Method.
Amortization method	Level dollar, closed amortization over a 15-year period from the valuation date as specified under PPA.
Remaining amortization period	15 years for changes in unfunded liabilities that occur each valuation date.
Asset valuation method	The actuarial value of assets is equal to the two-year average of Plan asset values as of the valuation date. The two-year average is the average of the two prior years' adjusted market value of assets and the current year's market value of assets. For this purpose, the prior years' market value of assets is adjusted to reflect benefit payments, administrative expenses, contributions and expected returns for the prior years. The resulting actuarial value of assets is adjusted to be within 10% of the market value of assets at the valuation date, as required by IRC Section 430.
Inflation	3.0% for the Rep Plan and Unrep Plan.
Investment rate of return	7.0% for the Rep Plan and Unrep Plan.
Projected salary increases	Represented employees: 4.0% for FYE23, 4.10% for FYE24, 4.3% for FYE25, 3.5% for FYE26 and thereafter; Unrepresented employees: 4.0% for FYE23, 4.5% for FYE24, 4.0% for FYE25 and 3.5% for FYE26 and thereafter.
Cost-of-living adjustments	N/A.
Mortality	IRS generational mortality table prescribed for the valuation year. Pri-2012 total dataset mortality table for males or females, as appropriate, with MP-2021 generational for mortality improvements.

## University Retiree Health Benefits Program

The schedule of changes in the net retiree health benefits liability includes multiyear trend information about whether the net retiree health benefits liability is increasing or decreasing over time relative to the pension liabilities. The University's net retiree health benefits liability includes liabilities for campuses, medical centers and LBNL.

UCRHBP RSI Table 1 shows the schedule of changes in the net retiree health benefits liability as of June 30 for the past 10 years.

**UCRHBP RSI Table 1: Changes in Net Retiree Health Benefits Liability**

(in thousands of dollars)	2023	2022	2021	2020	2019
<b>TOTAL RETIREE HEALTH BENEFITS LIABILITY</b>					
Service cost	\$912,741	\$1,336,924	\$1,296,146	\$912,067	\$815,654
Interest on the total retiree health benefits liability	743,948	565,679	554,169	724,584	758,521
Changes of benefit terms					(29,315)
Difference between expected and actual experience	917,259	177,238	(521,647)	(1,539,139)	(1,219,146)
Changes of assumptions or other inputs	96,545	(6,341,718)	212,837	4,354,033	1,124,039
Retiree contributions	89,525	90,710	88,625	86,166	85,820
Benefits paid	(591,124)	(565,532)	(551,760)	(546,616)	(512,824)
<b>Net change in total retiree health benefits liability</b>	<b>2,168,894</b>	<b>(4,736,699)</b>	<b>1,078,370</b>	<b>3,991,095</b>	<b>1,022,749</b>
Total retiree health benefits liability - beginning of year	20,351,361	25,088,060	24,009,690	20,018,595	18,995,846
<b>Total retiree health benefits liability - end of year</b>	<b>22,520,255</b>	<b>20,351,361</b>	<b>25,088,060</b>	<b>24,009,690</b>	<b>20,018,595</b>
<b>PLAN NET POSITION</b>					
University contributions	512,458	486,761	482,099	462,609	451,437
Retiree contributions	89,525	90,710	88,625	86,166	85,820
Net investment income	7,345	345	208	2,281	3,195
Insurance premiums	(591,124)	(565,532)	(551,760)	(546,616)	(512,824)
Other deductions	(4,854)	(4,431)	(4,369)	(4,531)	(4,300)
<b>Net change in retiree health benefits net position</b>	<b>13,350</b>	<b>7,853</b>	<b>14,803</b>	<b>(91)</b>	<b>23,328</b>
Retiree health benefits net position - beginning of year	179,474	171,621	156,818	156,909	133,581
<b>Retiree health benefits net position - end of year</b>	<b>192,824</b>	<b>179,474</b>	<b>171,621</b>	<b>156,818</b>	<b>156,909</b>
<b>Net retiree health benefits liability - end of year</b>	<b>\$22,327,431</b>	<b>\$20,171,887</b>	<b>\$24,916,439</b>	<b>\$23,852,872</b>	<b>\$19,861,686</b>

**UCRHBP RSI Table 1: Changes in Net Retiree Health Benefits Liability** *continued*

<i>(in thousands of dollars)</i>	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
<b>TOTAL RETIREE HEALTH BENEFITS LIABILITY</b>				
Service cost	\$835,154	\$1,004,644	\$830,041	\$702,935
Interest on the total retiree health benefits liability	716,777	646,279	735,294	719,853
Difference between expected and actual experience	(1,173,742)	101,280	(1,948,111)	
Changes of assumptions or other inputs	(354,585)	(3,827,924)	3,925,503	1,402,476
Retiree contributions	79,849	72,716	65,705	56,340
Benefits paid	(504,745)	(467,846)	(451,166)	(435,189)
<b>Net change in total retiree health benefits liability</b>	<b>(401,292)</b>	<b>(2,470,851)</b>	<b>3,157,266</b>	<b>2,446,415</b>
Total retiree health benefits liability - beginning of year	19,397,138	21,867,989	18,710,723	16,264,308
<b>Total retiree health benefits liability - end of year</b>	<b>18,995,846</b>	<b>19,397,138</b>	<b>21,867,989</b>	<b>18,710,723</b>
<b>PLAN NET POSITION</b>				
University contributions	453,988	432,953	410,945	367,416
Retiree contributions	79,849	72,716	65,705	56,340
Net investment income	1,634	606	155	41
Insurance premiums	(504,745)	(467,846)	(451,166)	(435,189)
Other deductions	(3,859)	(4,256)	(3,743)	(3,147)
<b>Net change in retiree health benefits net position</b>	<b>26,867</b>	<b>34,173</b>	<b>21,896</b>	<b>(14,539)</b>
Retiree health benefits net position - beginning of year	106,714	72,541	50,645	65,184
<b>Retiree health benefits net position - end of year</b>	<b>133,581</b>	<b>106,714</b>	<b>72,541</b>	<b>50,645</b>
<b>Net retiree health benefits liability - end of year</b>	<b>\$18,862,265</b>	<b>\$19,290,424</b>	<b>\$21,795,448</b>	<b>\$18,660,078</b>

UCRHBP RSI Table 2 presents a 10-year history of the ratio of net retiree health benefits liability to total retiree health benefits liability and the net retiree health benefits liability as a percentage of covered payroll.

**University Retiree Health Benefits Program RSI Table 2: Schedule of Net Retiree Health Benefits Liability**

(in thousands of dollars)	2023	2022	2021	2020	2019
Total retiree health benefits liability	\$22,520,255	\$20,351,361	\$25,088,060	\$24,009,690	\$20,018,595
Retiree health benefits net position	192,824	179,474	171,621	156,818	156,909
<b>Net retiree health benefits liability</b>	<b>\$22,327,431</b>	<b>\$20,171,887</b>	<b>\$24,916,439</b>	<b>\$23,852,872</b>	<b>\$19,861,686</b>
Ratio of retiree health benefits net position to total retiree health benefits liability	0.9%	0.9%	0.7%	0.7%	0.8%
Covered payroll	\$17,108,454	\$15,453,288	\$13,975,566	\$13,461,790	\$12,717,122
Net retiree health benefits liability as a percentage of covered payroll	130.5%	130.5%	178.3%	177.2%	156.2%
Discount rate	3.65%	3.54%	2.16%	2.21%	3.50%
(in thousands of dollars)	2018	2017	2016	2015	
Total retiree health benefits liability	\$18,995,846	\$19,397,138	\$21,867,989	\$18,710,723	
Retiree health benefits net position	133,581	106,714	72,541	50,645	
<b>Net retiree health benefits liability</b>	<b>\$18,862,265</b>	<b>\$19,290,424</b>	<b>\$21,795,448</b>	<b>\$18,660,078</b>	
Ratio of retiree health benefits net position to total retiree health benefits liability	0.7%	0.6%	0.3%	0.3%	
Covered payroll	\$12,391,018	\$11,495,997	\$10,689,424	\$10,047,570	
Net retiree health benefits liability as a percentage of covered payroll	152.2%	167.8%	203.9%	185.7%	
Discount rate	3.87%	3.58%	2.85%	3.80%	

**UCRHBP RSI Table 3: Notes to Schedule**

Mortality	June 30, 2023 measurement date	June 30, 2022 measurement date
	Active and inactive: Pub-2010 Teacher Employee Headcount-Weighted Above-Median Mortality Table.	Active and inactive: Pub-2010 Teacher Employee Headcount-Weighted Above-Median Mortality Table.
	Healthy: Pub-2010 Healthy Teacher Retiree Headcount-Weighted Above-Median Mortality Table multiplied by 90 percent for faculty members or 110 percent and 105 percent for other male and female members, respectively.	Healthy: Pub-2010 Healthy Teacher Retiree Headcount-Weighted Above-Median Mortality Table, multiplied by 90 percent for faculty members, 110 percent for other male members and 115 percent for other female members.
	Beneficiaries of retired members: After the expected or actual death of the retired member: Pub-2010 Contingent Survivor Headcount-Weighted Above-Median Mortality Table multiplied by 100 percent for males and 95 percent for females. While retired member is alive: rates for healthy retired members.	Beneficiaries of retired members: Pub-2010 Contingent Survivor Headcount-Weighted Above-Median Mortality Table.
	Disabled: Pub-2010 Non-Safety Disabled Retiree Headcount-Weighted Mortality Table multiplied by 85 percent.	Disabled: Pub-2010 Non-Safety Disabled Retiree Headcount-Weighted Mortality Table.
	All mortality tables listed above are projected generationally with the two-dimensional mortality improvement scale MP-2021.	All mortality tables listed above are projected generationally with the two-dimensional mortality improvement scale MP-2018.
Changes of benefit terms	In 2019, University contributions for retirees age 65 and older not eligible for Medicare were reduced to levels comparable to Medicare-eligible retirees over a three-year period.	
Changes of assumptions or other inputs	Changes of assumptions or other inputs primarily reflect the effects of changes in the discount rate and health care cost trend rate in each period. The following are the health care cost trend assumptions used in each period:	
As of June 30	Health Care Cost Trend Rate	
2023	(3.1%) to 29.1% decreasing to 3.9% in 2075	
2022	1.4% to 14.6% decreasing to 3.9% in 2075	
2021	2.7% to 7.5% decreasing to 4.0% in 2075	
2020	2.7% to 9.0% decreasing to 4.0% in 2076	
2019	4.4% to 9.4% decreasing to 4.0% in 2077	
2018	5.0% to 9.3% decreasing to 5.0% in 2033	
2017	5.0% to 9.5% decreasing to 5.0% in 2032	
2016	6.3% to 9.0% decreasing to 5.0% in 2031	
2015	6.6% to 10.0% decreasing to 5.0% in 2030	

## University of California Retiree Health Benefit Trust

The schedule of changes in the net retiree health benefits liability includes multiyear trend information about whether the trust assets are increasing or decreasing over time relative to the total retiree health benefits liability for the campuses and medical centers.

UCRHBT's schedule of changes in net retiree health benefits liability as of, and for, the year ending June 30 is:

**UCRHBT RSI Table 1: Schedule of Changes in Net Retiree Health Benefits Liability**

(in thousands of dollars)	2023	2022	2021	2020	2019
<b>TOTAL RETIREE HEALTH BENEFIT LIABILITY</b>					
Service cost	\$891,714	\$1,305,803	\$1,270,153	\$893,557	\$798,249
Interest on the total retiree health benefits liability	722,279	549,921	538,187	702,640	734,693
Changes of benefit terms				(28,401)	
Difference between expected and actual experience	888,337	138,495	(493,529)	(1,474,623)	(1,175,284)
Changes of assumptions or other inputs	90,193	(6,167,373)	206,722	4,222,620	1,091,609
Retiree contributions	86,800	87,861	85,607	83,111	82,710
Benefits paid	(569,634)	(544,166)	(529,804)	(525,262)	(490,615)
<b>Net change in total retiree health benefits liability</b>	<b>2,109,689</b>	<b>(4,629,459)</b>	<b>1,077,336</b>	<b>3,902,043</b>	<b>1,012,961</b>
Total retiree health benefits liability - beginning of year	19,750,973	24,380,432	23,303,096	19,401,053	18,388,092
<b>Total retiree health benefits liability - end of year</b>	<b>21,860,662</b>	<b>19,750,973</b>	<b>24,380,432</b>	<b>23,303,096</b>	<b>19,401,053</b>
<b>PLAN NET POSITION</b>					
University contributions	493,693	468,244	463,161	444,310	432,338
Retiree contributions	86,800	87,861	85,607	83,111	82,710
Net investment income	7,345	345	208	2,281	3,195
Insurance premiums	(569,634)	(544,166)	(529,804)	(525,262)	(490,615)
Other deductions	(4,854)	(4,431)	(4,369)	(4,531)	(4,300)
<b>Net change in UCRHBT net position</b>	<b>13,350</b>	<b>7,853</b>	<b>14,803</b>	<b>(91)</b>	<b>23,328</b>
UCRHBT net position - beginning of year	179,474	171,621	156,818	156,909	133,581
<b>UCRHBT net position - end of year</b>	<b>192,824</b>	<b>179,474</b>	<b>171,621</b>	<b>156,818</b>	<b>156,909</b>
<b>Net retiree health benefits liability - end of year</b>	<b>\$21,667,838</b>	<b>\$19,571,499</b>	<b>\$24,208,811</b>	<b>\$23,146,278</b>	<b>\$19,244,144</b>

(in thousands of dollars)	2018	2017	2016	2015
<b>TOTAL RETIREE HEALTH BENEFIT LIABILITY</b>				
Service cost	\$816,483	\$981,745	\$806,817	\$683,320
Interest on the total retiree health benefits liability	694,562	625,947	711,365	695,999
Difference between expected and actual experience	(1,149,032)	95,254	(1,875,009)	
Changes of assumptions or other inputs	(353,516)	(3,707,921)	3,798,113	1,358,761
Retiree contributions	76,873	69,968	65,705	56,340
Benefits paid	(483,479)	(447,604)	(433,849)	(418,244)
<b>Net change in total retiree health benefits liability</b>	<b>(398,109)</b>	<b>(2,382,611)</b>	<b>3,073,142</b>	<b>2,376,176</b>
Total retiree health benefits liability - beginning of year	18,786,201	21,168,812	18,095,670	15,719,494
<b>Total retiree health benefits liability - end of year</b>	<b>18,388,092</b>	<b>18,786,201</b>	<b>21,168,812</b>	<b>18,095,670</b>
<b>PLAN NET POSITION</b>				
University contributions	435,698	415,459	393,628	350,471
Retiree contributions	76,873	69,968	65,705	56,340
Net investment income	1,634	606	155	41
Insurance premiums	(483,479)	(447,604)	(433,849)	(418,244)
Other deductions	(3,859)	(4,256)	(3,743)	(3,147)
<b>Net change in UCRHBT net position</b>	<b>26,867</b>	<b>34,173</b>	<b>21,896</b>	<b>(14,539)</b>
UCRHBT net position - beginning of year	106,714	72,541	50,645	65,184
<b>UCRHBT net position - end of year</b>	<b>133,581</b>	<b>106,714</b>	<b>72,541</b>	<b>50,645</b>
<b>Net retiree health benefits liability - end of year</b>	<b>\$18,254,511</b>	<b>\$18,679,487</b>	<b>\$21,096,271</b>	<b>\$18,045,025</b>

UCRHBT's schedule of net retiree health benefits liability for campuses and medical centers as of June 30 is:

**UCRHBT RSI Table 2: Schedule of Net Retiree Health Benefits Liability**

(in thousands of dollars)	2023	2022	2021	2020	2019
Total retiree health benefits liability	\$21,860,662	\$19,750,973	\$24,380,432	\$23,303,096	\$19,401,053
UCRHBT net position	192,824	179,474	171,621	156,818	156,909
<b>Net retiree health benefits liability</b>	<b>\$21,667,838</b>	<b>\$19,571,499</b>	<b>\$24,208,811</b>	<b>\$23,146,278</b>	<b>\$19,244,144</b>
Ratio of UCRHBT net position to total retiree health benefits liability	0.9%	0.9%	0.7%	0.7%	0.8%
Covered payroll	\$16,665,067	\$15,048,178	\$13,595,891	\$13,104,846	\$12,381,741
Net retiree health benefits liability as a percentage of covered payroll	130.0%	130.1%	178.1%	176.6%	155.4%
Discount rate	3.65%	3.54%	2.16%	2.21%	3.50%

(in thousands of dollars)	2018	2017	2016	2015
Total retiree health benefits liability	\$18,388,092	\$18,786,201	\$21,168,812	\$18,095,670
UCRHBT net position	133,581	106,714	72,541	50,645
<b>Net retiree health benefits liability</b>	<b>\$18,254,511</b>	<b>\$18,679,487</b>	<b>\$21,096,271</b>	<b>\$18,045,025</b>
Ratio of UCRHBT net position to total retiree health benefits liability	0.7%	0.6%	0.3%	0.3%
Covered payroll	\$12,087,000	\$11,196,485	\$10,396,827	\$9,758,795
Net retiree health benefits liability as a percentage of covered payroll	151.0%	166.8%	202.9%	184.9%
Discount rate	3.87%	3.58%	2.85%	3.80%

**UCRHBT RSI Table 3: Notes to Schedule**

Mortality	<b>June 30, 2023 measurement date</b> Active and inactive: Pub-2010 Teacher Employee Headcount-Weighted Above-Median Mortality Table.  Healthy: Pub-2010 Pub-2010 Healthy Teacher Retiree Headcount-Weighted Above-Median Mortality Table multiplied by 90 percent for faculty members or 110 percent and 105 percent for other male and female members, respectively.  Beneficiaries of retired members: After the expected or actual death of the retired member: Pub-2010 Contingent Survivor Headcount-Weighted Above-Median Mortality Table multiplied by 100 percent for males and 95 percent for females. While retired member is alive: rates for healthy retired members.  Disabled: Pub-2010 Non-Safety Disabled Retiree Headcount-Weighted Mortality Table multiplied by 85 percent.  All mortality tables listed above are projected generationally with the two-dimensional mortality improvement scale MP-2021.	<b>June 30, 2022 measurement date</b> Active and inactive: Pub-2010 Teacher Employee Headcount-Weighted Above-Median Mortality Table.  Healthy: Pub-2010 Healthy Teacher Retiree Headcount-Weighted Above-Median Mortality Table, multiplied by 90 percent for faculty members, 110 percent for other male members and 115 percent for other female members.  Beneficiaries of retired members: Pub-2010 Contingent Survivor Headcount-Weighted Above-Median Mortality Table.  Disabled: Pub-2010 Non-Safety Disabled Retiree Headcount-Weighted Mortality Table.  All mortality tables listed above are projected generationally with the two-dimensional mortality improvement scale MP-2018.																				
Changes of benefit terms	In 2019, University contributions for retirees age 65 and older not eligible for Medicare were reduced to levels comparable to Medicare-eligible retirees over a three-year period.																					
Changes of assumptions or other inputs	Changes of assumptions or other inputs primarily reflect the effects of changes in the discount rate and health care cost trend rate in each period. The following are the health care cost trend assumptions used in each period:	<table border="1"> <thead> <tr> <th>As of June 30</th> <th>Health Care Cost Trend Rate</th> </tr> </thead> <tbody> <tr> <td>2023</td> <td>(3.1%) to 29.1% decreasing to 3.9% in 2075</td> </tr> <tr> <td>2022</td> <td>1.4% to 14.6% decreasing to 3.9% in 2075</td> </tr> <tr> <td>2021</td> <td>2.7% to 7.5% decreasing to 4.0% in 2075</td> </tr> <tr> <td>2020</td> <td>2.7% to 9.0% decreasing to 4.0% in 2076</td> </tr> <tr> <td>2019</td> <td>4.4% to 9.4% decreasing to 4.0% in 2077</td> </tr> <tr> <td>2018</td> <td>5.0% to 9.3% decreasing to 5.0% in 2033</td> </tr> <tr> <td>2017</td> <td>5.0% to 9.5% decreasing to 5.0% in 2032</td> </tr> <tr> <td>2016</td> <td>6.3% to 9.0% decreasing to 5.0% in 2031</td> </tr> <tr> <td>2015</td> <td>6.6% to 10.0% decreasing to 5.0% in 2030</td> </tr> </tbody> </table>	As of June 30	Health Care Cost Trend Rate	2023	(3.1%) to 29.1% decreasing to 3.9% in 2075	2022	1.4% to 14.6% decreasing to 3.9% in 2075	2021	2.7% to 7.5% decreasing to 4.0% in 2075	2020	2.7% to 9.0% decreasing to 4.0% in 2076	2019	4.4% to 9.4% decreasing to 4.0% in 2077	2018	5.0% to 9.3% decreasing to 5.0% in 2033	2017	5.0% to 9.5% decreasing to 5.0% in 2032	2016	6.3% to 9.0% decreasing to 5.0% in 2031	2015	6.6% to 10.0% decreasing to 5.0% in 2030
As of June 30	Health Care Cost Trend Rate																					
2023	(3.1%) to 29.1% decreasing to 3.9% in 2075																					
2022	1.4% to 14.6% decreasing to 3.9% in 2075																					
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2017	5.0% to 9.5% decreasing to 5.0% in 2032																					
2016	6.3% to 9.0% decreasing to 5.0% in 2031																					
2015	6.6% to 10.0% decreasing to 5.0% in 2030																					

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

<b>Cluster</b>	<b>Total Expenditures</b>
RESEARCH AND DEVELOPMENT CLUSTER	\$ 4,729,107,544
STUDENT FINANCIAL ASSISTANCE CLUSTER	1,715,201,447
TRIO CLUSTER	17,035,169
SNAP CLUSTER	9,284,718
HEALTH CENTER PROGRAM CLUSTER	6,504,452
FEDERAL TRANSIT CLUSTER	5,735,458
HIGHWAY SAFETY CLUSTER	4,557,722
477 CLUSTER	1,051,384
HEAD START CLUSTER	3,980,388
CCDF CLUSTER	1,758,189
ECONOMIC DEVELOPMENT CLUSTER	2,392,541
MEDICAID CLUSTER	1,280,540
WIOA CLUSTER	1,379,912
HIGHWAY PLANNING AND CONSTRUCTION CLUSTER	145,729
FMCSA CLUSTER	879,635
CDBG - ENTITLEMENT GRANTS CLUSTER	85,395
CHILD NUTRITION CLUSTER	81,378
SPECIAL EDUCATION CLUSTER (IDEA)	41,018
OTHER FEDERAL PROGRAMS	453,880,008
<b>TOTAL EXPENDITURES</b>	<b>\$ 6,954,382,627</b>

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
10.001	AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		\$ 13,128,416	\$ 136,754
10.001	AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH	COVID-19	DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		257,153	
10.001	AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH		PASS THROUGH	ARKANSAS CHILDREN'S HOSPITAL RESEARCH INSTITUTE	58-6026-7-001	(55)	
10.001	AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH		PASS THROUGH	CHI BOTANIC, INC	013266	69,144	
10.001	AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH	COVID-19	PASS THROUGH	CRDF GLOBAL	59-0210-6-004	5,439	
10.001	AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH		PASS THROUGH	CRDF GLOBAL	AA3-19-66142-1	950	
10.001	AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH		PASS THROUGH	CRDF GLOBAL	DAA3-19-66142-1	16	
10.001	AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH		PASS THROUGH	CRDF GLOBAL	DAA9-19-66139-1	52,433	
10.001	AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH		PASS THROUGH	NORTH CAROLINA STATE UNIVERSITY	58-6080-0-017	45,525	
10.001	AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH		PASS THROUGH	OREGON STATE UNIVERSITY	58-2072-0-026	83,254	
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	COVID-19	DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		614,723	28,205
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		5,283,687	426,342
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	012639	14,616	
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	013217	51,406	
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	013586	43,633	
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-1081-001-SF	46	
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0608-001-SF	11,814	
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-1867-001-SF	2,824	
10.025	PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE		PASS THROUGH	CORNELL UNIVERSITY	AP20VSD&B000C020	28,011	
10.028	WILDLIFE SERVICES		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		7,546	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		72,114	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	00010294	(5,602)	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	00010995	20,583	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	009926	19,208	18,213
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	011234	(1,129)	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	011250	2,928	3,417
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	011666	60,905	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	012093	130,798	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	012215	198,189	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	012905	4,894	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	012919	167,138	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	012937	150,619	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	012938	133,892	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	012939	162,969	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	012996	91,527	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	013028	68,864	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	013226	21,876	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	17-0727001-SF	1	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	18-0001-021-SC	2,305	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	18-0001-026-SC	(1,313)	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	18-0001-083-SC	(3,326)	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	19-0001-013-SF	(2,146)	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	19-0001-014-SF	7,919	7,919
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	19-0001-015-SF	7,781	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	19-0001-016-SF	12,221	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	19-0001-017-SF	(5,537)	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	19-0001-019-SF	(1,359)	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	19-0001-020-SF	6,340	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	19-0001-032-SF	(5,853)	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	19-0001-041-SF	2,774	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	19-0001-050-SF	(47)	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	19-0001-059-SF	(426)	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	19-001-018-SF	26,538	10,868
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	19-1044-001-SF	360,374	272,446
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	19-1046-001-SF	337,823	143,120
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0001-015-SF	210,275	9,152
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0001-016-SF	243,494	108,484
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0001-017-SF	136,105	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0001-030-SF	218,391	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0001-033-SF	209,537	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0001-036-SF	184,677	4,104
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0001-038-SF	215,117	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0001-039-SF	73,401	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0001-040-SF	147,573	60,879
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0001-042-SF	73,278	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0001-043-SF	203,454	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0001-044-SF	210,439	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0001-062-SF	136,055	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0001-64A-SF	13,601	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-018-SF	124,677	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-021-SF	128,533	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-024-SF	204,205	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-027-SF	66,726	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-031-SF	118,993	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-032-SF	127,045	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-034-SF	155,464	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-036-SF	83,638	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-038-SF	148,838	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-043-SF	118,449	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-047-SF	66,564	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-048-SF	166,426	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-42B-SF	90,502	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-46C-SF	38,047	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-001-039-SF	168,354	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0433-021-SF	266,775	4,108
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0433-026-SF	183,601	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0433-11A-SF	105,394	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0433-39A-SF	59,651	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0730-001-SF	94,094	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0731-001-SF	80,807	31,111
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0732-001-SF	161,285	2,981
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0734-001-SF	143,782	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-0001-002-SF	32,599	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-0001-017-SF	49,193	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-0001-018-SF	3,898	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-0001-019-SF	49,454	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-0001-020	41,909	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-0001-021-SF	34,358	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-0001-023-SF	63,899	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-0001-025	51,013	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-0001-027-SF	29,541	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-0001-031-SF	82,663	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-0001-033-SF	27,399	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-0001-034-SF	102,853	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-0001-036-SF	82,827	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-0001-043-SF	52,578	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	A21-0411	193,078	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	A21-3116	16,613	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	A22-0951-5001	124,976	1,837
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	S-001418	37,093	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SA22-6134-01	56,003	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	Sub S-001544 (21-0001-051-SF)	143,823	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	Sub 21-0433-017-SF (21SCBPC)	147,931	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CENTER FOR PRODUCE SAFETY	2021CP508	142,389	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CENTER FOR PRODUCE SAFETY	2021CP513	97,556	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CENTER FOR PRODUCE SAFETY	2022CP506	84,481	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	CENTER FOR PRODUCE SAFETY	USDA-AMS-TM-SCBGP-G-21-0003	208,712	57,940
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	HEALTH CARE WITHOUT HARM	Y20-5230	17,065	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	OCIDENTAL COLLEGE	20-0001-019-SF	23,884	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	ORGANIC FARMING RESEARCH FOUNDATION	Y21-5461	16,921	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	TECHNOLOGY EVOLVING SOLUTIONS	013371	24,215	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)	Sub 19-0001-054-SF(SA19-4523-0	7,136	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	UNIVERSITY CORPORATION AT MONTEREY BAY	202202145061101ASA	20,292	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	UNIVERSITY CORPORATION AT MONTEREY BAY	210311-5057901A-S-A	114,182	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	UNIVERSITY OF ARIZONA	59537	50,850	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	UNIVERSITY OF ARIZONA	SCBGP-FB21-32	49,190	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	UNIVERSITY OF FLORIDA	013738	31,428	
10.170	SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL		PASS THROUGH	UNIVERSITY OF FLORIDA	206680	21,741	
10.175	FARMERS MARKET AND LOCAL FOOD PROMOTION PROGRAM		PASS THROUGH	AGRICULTURAL INSTITUTE OF MARIN	Y23-6460	6,909	
10.177	REGIONAL FOOD SYSTEM PARTNERSHIPS	DIRECT		UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		239,272	58,973

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
10.177	REGIONAL FOOD SYSTEM PARTNERSHIPS		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-041-SF	111,122	
10.177	REGIONAL FOOD SYSTEM PARTNERSHIPS		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0001-054-SF	130,879	
10.177	REGIONAL FOOD SYSTEM PARTNERSHIPS		PASS THROUGH	GREEN TECHNICAL EDUCATION AND EMPLOYMENT	Y20-5157	6,833	
10.200	GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		574,321	418,045
10.200	GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS		PASS THROUGH	MISSISSIPPI STATE UNIVERSITY	20203850032562	19,479	
10.200	GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS		PASS THROUGH	MISSISSIPPI STATE UNIVERSITY	2020-38500-32562	24,944	
10.200	GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS		PASS THROUGH	NORTH CAROLINA STATE UNIVERSITY	2021-2884-03	3,792,732	254,825
10.200	GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS		PASS THROUGH	TEXAS A&M RESEARCH FOUNDATION	M2103087-A	31,349	
10.200	GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS		PASS THROUGH	TEXAS A&M RESEARCH FOUNDATION	M2103087-B	20,735	
10.200	GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF WASHINGTON	2018-38500-28889	53,104	
10.200	GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF WASHINGTON	A22-0053	42,565	
10.200	GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF WASHINGTON	A22-0056	16,457	
10.200	GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF WASHINGTON	A22-2999	30,135	
10.202	COOPERATIVE FORESTRY RESEARCH		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		595,371	
10.203	PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		5,835,686	
10.207	ANIMAL HEALTH AND DISEASE RESEARCH		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		215,027	
10.207	ANIMAL HEALTH AND DISEASE RESEARCH		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	20-0438-001-SF	13,965	
10.210	HIGHER EDUCATION – GRADUATE FELLOWSHIPS GRANT PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		319,090	14,882
10.212	SMALL BUSINESS INNOVATION RESEARCH		PASS THROUGH	ADVANCED COOLING TECHNOLOGIES, INC.	41276	68,834	
10.212	SMALL BUSINESS INNOVATION RESEARCH		PASS THROUGH	PHYCOVAX LLC	A23-0426	56,023	
10.212	SMALL BUSINESS INNOVATION RESEARCH		PASS THROUGH	TINY FARMS INC.	A19-1936	(3,291)	
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	012069	592	
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	20193864029880	120,349	
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	2020-38640-31523	95	
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	20213864034695	20,635	
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	A22-2724	14,360	
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	G105-22-W8617	28,062	
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	G112-21-W7899	53,800	8,546
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	G158-21-W7906	41,319	2,808
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	G170-21-W7902	1,688	
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	G232-19-W7502	8	
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	G233-22-W8615	9,173	
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	G236-21-W7902	10,100	
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	G255-19-W7500	61,158	16,823
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	G276-21-W8618	48,960	
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	G334-20-W7899	21,471	
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	MONTANA STATE UNIVERSITY	G347-20-W7904	4,507	
10.215	SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION		PASS THROUGH	WESTERN UNIVERSITY OF HEALTH SCIENCES	20181V-PERALTA-UCANR-2022	4,610	
10.216	1890 INSTITUTION CAPACITY BUILDING GRANTS		PASS THROUGH	UNIVERSITY OF MARYLAND EASTERN SHORE	SUB DHEK5208330UCSD2021	99,556	
10.217	HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		207,126	105,419
10.219	BIOTECHNOLOGY RISK ASSESSMENT RESEARCH		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		25,448	
10.220	HIGHER EDUCATION - MULTICULTURAL SCHOLARS GRANT PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		141,129	
10.223	HISPANIC SERVING INSTITUTIONS EDUCATION GRANTS	COVID-19	DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		76,968	
10.223	HISPANIC SERVING INSTITUTIONS EDUCATION GRANTS		PASS THROUGH	UNIVERSITY CORPORATION AT MONTEREY BAY	A22-0208-001	552,326	17,589
10.223	HISPANIC SERVING INSTITUTIONS EDUCATION GRANTS		PASS THROUGH	UNIVERSITY CORPORATION AT MONTEREY BAY		87,430	
10.226	SECONDARY AND TWO-YEAR POSTSECONDARY AGRICULTURE EDUCATION CHALLENGE GRANTS		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		29,262	23,785
10.227	1994 INSTITUTIONS RESEARCH PROGRAM		PASS THROUGH	NORTHWEST INDIAN COLLEGE	A19-0376-001	6,917	
10.237	FROM LEARNING TO LEADING: CULTIVATING THE NEXT GENERATION OF DIVERSE FOOD AND AGRICULTURE PROFESSIONALS		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		4,160	
10.250	AGRICULTURAL AND RURAL ECONOMIC RESEARCH, COOPERATIVE AGREEMENTS AND COLLABORATIONS		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		152,653	15,371
10.253	CONSUMER DATA AND NUTRITION RESEARCH		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		91,462	
10.290	AGRICULTURAL MARKET AND ECONOMIC RESEARCH		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		59,207	
10.303	INTEGRATED PROGRAMS		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		258,343	19,479
10.304	HOMELAND SECURITY AGRICULTURAL		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		785,891	282,440
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		542,147	140,422
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE		PASS THROUGH	CORNELL UNIVERSITY	2019-51300-30242	10,314	
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE		PASS THROUGH	IOWA STATE UNIVERSITY	2019-51300-30244	26,425	
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE		PASS THROUGH	OREGON STATE UNIVERSITY	20205130032179	47,930	
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE		PASS THROUGH	OREGON STATE UNIVERSITY	2021-51300-34911	72,383	
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE		PASS THROUGH	UNIVERSITY OF ARKANSAS SYSTEM DIVISION OF AGRICULTURE	AWD-101118-03	9,292	
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE		PASS THROUGH	UNIVERSITY OF FLORIDA	012651	109,945	
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE		PASS THROUGH	UNIVERSITY OF GEORGIA	SUB00001849	19,366	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	COVID-19	PASS THROUGH	UNIVERSITY OF GEORGIA	SUB00001850	186	
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE		PASS THROUGH	UNIVERSITY OF MAINE SYSTEM	2022-51300-37890	237	
10.307	ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE		PASS THROUGH	UNIVERSITY OF MAINE SYSTEM	UMS1391	884	
10.308	RESIDENT INSTRUCTION GRANTS FOR INSULAR AREA ACTIVITIES		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		143,026	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		1,911,870	819,414
10.309	SPECIALTY CROP RESEARCH INITIATIVE		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		11,319,705	2,851,167
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	CITRUS RESEARCH AND DEVELOPMENT FOUNDATION, INC.	20207002933196	316,796	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	CLEMSON UNIVERSITY	2020-51181-32142	78,723	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	CORNELL UNIVERSITY	8198010922	1,674	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	MICHIGAN STATE UNIVERSITY	011989	30,102	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	MISSISSIPPI STATE UNIVERSITY	014600.327226.07	1,096	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	NEW MEXICO STATE UNIVERSITY	Q02415	15,701	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	NORTH CAROLINA STATE UNIVERSITY	011252	56,115	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	NORTH CAROLINA STATE UNIVERSITY	2017-0398-11	2,319	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	NORTH CAROLINA STATE UNIVERSITY	2021-2518-10	3,871	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	OREGON STATE UNIVERSITY	2021-51181-35862	603,960	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	OREGON STATE UNIVERSITY	C0565B-A	45,627	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	PURDUE UNIVERSITY	013651	21,765	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	TENNESSEE STATE UNIVERSITY	PO143090	7,039	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	TEXAS A&M AGRILIFE RESEARCH	012864	124,930	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	TEXAS A&M RESEARCH FOUNDATION	06-M1703435	2,819	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	2021-51181-35906	16,104	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	THE TEXAS A&M UNIVERSITY SYSTEM	M2200553	17,791	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	UNIVERSITY OF FLORIDA	013473	4,238	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	UNIVERSITY OF FLORIDA	013481	147,714	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	UNIVERSITY OF FLORIDA	20197001629096	33,898	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	UNIVERSITY OF FLORIDA	2020-51181-32157	87,757	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	UNIVERSITY OF FLORIDA	2022-70029-38471	23,140	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB800002990	838	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	UNIVERSITY OF GEORGIA	SUB800002408	90,015	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	UNIVERSITY OF GEORGIA	SUB800002409	91,278	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	012238	26,340	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	UNIVERSITY OF MINNESOTA	2022-51181-38240	33,323	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	WASHINGTON STATE UNIVERSITY	133321-G004110	43,377	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	WASHINGTON STATE UNIVERSITY	133336-G003925	298,676	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	WASHINGTON STATE UNIVERSITY	133336-G003926	4,939	
10.309	SPECIALTY CROP RESEARCH INITIATIVE		PASS THROUGH	WASHINGTON STATE UNIVERSITY	137743 G004250	132,982	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	COVID-19	DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		468,542	63,172
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		27,915,682	6,085,230
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	ARIZONA STATE UNIVERSITY	ASUB00000768	69,666	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	AUBURN UNIVERSITY	011686	48,444	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	CALIFORNIA ENERGY COMMISSION	Sub A21-0019-5001 (EPC-19-060)	38,431	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	COLORADO STATE UNIVERSITY	012503	66,020	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	COLORADO STATE UNIVERSITY	2021-68014-34141	102,811	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	COLORADO STATE UNIVERSITY	G-50136-01	47,980	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	COLORADO STATE UNIVERSITY	G-89706-01	4,442	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	CORNELL UNIVERSITY	010974	22,077	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	CORNELL UNIVERSITY	012805	13,644	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	CORNELL UNIVERSITY	2018-67017-27827	4,541	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	CORNELL UNIVERSITY	Sub 88230-20118 (2020-67013)	64,523	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	013060	5,172	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	IOWA STATE UNIVERSITY	2021-68015-33501	80,810	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	IOWA STATE UNIVERSITY	2022-68015-37140	10,183	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	IOWA STATE UNIVERSITY	A21-0158	18,015	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	MERRITT COLLEGE	Y21-5468	12,545	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	MICHIGAN STATE UNIVERSITY	RC111302F	193,628	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	MISSISSIPPI STATE UNIVERSITY	060500.361432.03	88,912	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	MONTANA STATE UNIVERSITY	2022-69014-36369	18,897	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	NORTH CAROLINA STATE UNIVERSITY	010731	6,462	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	NORTH DAKOTA STATE UNIVERSITY	20216701534277	929	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	NORTH DAKOTA STATE UNIVERSITY	FAR0034531	108,843	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	OHIO STATE UNIVERSITY	20186800327466	207,863	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	OREGON STATE UNIVERSITY	USDA-NIFA-AFRI-007892	103,753	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	TEXAS A&M RESEARCH FOUNDATION	M1701755	150	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	009234	768	

**University of California**  
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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	TEXAS TECH UNIVERSITY	013111	32,239	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	TUFTS UNIVERSITY	104049-00001:AG0032	96,927	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF ARKANSAS SYSTEM	2022-69015-36720	4,553	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	A22-0383-001	95,351	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF FLORIDA	009625	176	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF FLORIDA	2019-67021-29691	38,657	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB800001916	292	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF MARYLAND EASTERN SHORE	SUB DHKE150 VITIS UCSD2021	130,834	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	202067015130770	48,485	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF MINNESOTA	2021-67023-33821	43,361	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF MINNESOTA	A22-0455-001	111,609	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF MINNESOTA	H008125601	127,061	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF MINNESOTA	H008208105	5,793	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	COVID-19	PASS THROUGH	UNIVERSITY OF MINNESOTA	H008727302	14,330	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF NEBRASKA-LINCOLN	25-6222-0937-002	51,290	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF NEVADA, RENO	2022-67014-36208	64,015	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF OREGON	239120A	262	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	UNIVERSITY OF TEXAS AT ARLINGTON	2021-67021-34493	11,424	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	VERDANT ROBOTICS, INC.	A22-3811	107,995	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	Sub 422692-19A28 (2019-67013-2	25,771	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	WASHINGTON STATE UNIVERSITY	139743 SPC003192	252,438	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	WASHINGTON STATE UNIVERSITY	143902 WSU001014	12,138	
10.310	AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)		PASS THROUGH	WASHINGTON STATE UNIVERSITY	20206702331637	51,710	
10.311	BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		80,610	71,781
10.311	BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM		PASS THROUGH	SIERRA HARVEST	Y22-6172	11,534	
10.320	SUN GRANT PROGRAM		PASS THROUGH	UNIVERSITY OF TENNESSEE	012540	28,040	
10.326	CAPACITY BUILDING FOR NON-LAND GRANT COLLEGES OF AGRICULTURE (NLGCA)		PASS THROUGH	CALIFORNIA STATE UNIVERSITY BAKERSFIELD	013404	78,716	
10.328	NATIONAL FOOD SAFETY TRAINING, EDUCATION, EXTENSION, OUTREACH, AND TECHNICAL ASSISTANCE COMPETITIVE GRANTS PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		231,358	57,625
10.328	NATIONAL FOOD SAFETY TRAINING, EDUCATION, EXTENSION, OUTREACH, AND TECHNICAL ASSISTANCE COMPETITIVE GRANTS PROGRAM		PASS THROUGH	OREGON STATE UNIVERSITY	C0595B-C	4,592	
10.328	NATIONAL FOOD SAFETY TRAINING, EDUCATION, EXTENSION, OUTREACH, AND TECHNICAL ASSISTANCE COMPETITIVE GRANTS PROGRAM		PASS THROUGH	UNIVERSITY OF HAWAII AT MANOA	20217002035678	113,825	
10.329	CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		1,613,284	643,882
10.329	CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM		PASS THROUGH	PURDUE UNIVERSITY	F0003750302026	8,101	
10.329	CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	2021-70006-35315	25,077	
10.330	ALFALFA AND FORAGE RESEARCH PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		74,956	59,144
10.330	ALFALFA AND FORAGE RESEARCH PROGRAM		PASS THROUGH	MONTANA STATE UNIVERSITY	20217000535689	101,236	
10.331	FOOD INSECURITY NUTRITION INCENTIVE GRANTS PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		1,647,812	
10.331	FOOD INSECURITY NUTRITION INCENTIVE GRANTS PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	22-1464-002-SF	36,649	
10.332	AGRICULTURAL GENOME TO PHENOME INITIATIVE		PASS THROUGH	IOWA STATE UNIVERSITY	2021-70412-35233	49,263	
10.332	AGRICULTURAL GENOME TO PHENOME INITIATIVE		PASS THROUGH	IOWA STATE UNIVERSITY	2022-70412-38454	35,867	
10.500	FOOD SAFETY COOPERATIVE AGREEMENTS		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		9,266,528	167,500
10.500	FOOD SAFETY COOPERATIVE AGREEMENTS		PASS THROUGH	EXTENSION FOUNDATION	NTAE-2020-2007	4,993	
10.500	FOOD SAFETY COOPERATIVE AGREEMENTS		PASS THROUGH	EXTENSION FOUNDATION	NTAE-2022-2238	3,052	
10.500	FOOD SAFETY COOPERATIVE AGREEMENTS		PASS THROUGH	KANSAS STATE UNIVERSITY	A22-0394-5003	2,918	
10.500	FOOD SAFETY COOPERATIVE AGREEMENTS		PASS THROUGH	PROJECT APIS M.	286	22,970	
10.500	FOOD SAFETY COOPERATIVE AGREEMENTS		PASS THROUGH	WASHINGTON STATE UNIVERSITY	140322 SPC004173	1,707	
10.500	FOOD SAFETY COOPERATIVE AGREEMENTS		PASS THROUGH	WASHINGTON STATE UNIVERSITY	140322 WSU001010	1,527	
10.500	FOOD SAFETY COOPERATIVE AGREEMENTS		PASS THROUGH	WESTERN CENTER FOR RISK MANAGEMENT EDUCATION	134194 SPC002702	8,688	
10.500	FOOD SAFETY COOPERATIVE AGREEMENTS		PASS THROUGH	WESTERN CENTER FOR RISK MANAGEMENT EDUCATION	34194 SPC002704	19,100	
10.519	EQUIPMENT GRANTS PROGRAM (EGP)		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		18,162	
10.520	AGRICULTURE RISK MANAGEMENT EDUCATION PARTNERSHIP GRANTS (ARPA)		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		161,149	
10.525	FARM AND RANCH STRESS ASSISTANCE NETWORK COMPETITIVE GRANTS PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	2021-70035-35573	88,108	
10.525	FARM AND RANCH STRESS ASSISTANCE NETWORK COMPETITIVE GRANTS PROGRAM		PASS THROUGH	WASHINGTON STATE UNIVERSITY	2020-70028-32731	222,299	25,531

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10.557	SPECIAL SUPPLEMENTAL NUTRITION PROGRAM FOR WOMEN, INFANTS, AND CHILDREN (WIC)		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	22-10460	12,720	
10.557	SPECIAL SUPPLEMENTAL NUTRITION PROGRAM FOR WOMEN, INFANTS, AND CHILDREN (WIC)		PASS THROUGH	TUFTS UNIVERSITY	OPS-WIC Telehealth-FY19-Tufts-MA	9,443	
10.604	TECHNICAL ASSISTANCE FOR SPECIALTY CROPS PROGRAM	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		145,262	
10.604	TECHNICAL ASSISTANCE FOR SPECIALTY CROPS PROGRAM		PASS THROUGH	CALIFORNIA AGRICULTURAL EXPORT COUNCIL, INC.	013272	133,743	
10.604	TECHNICAL ASSISTANCE FOR SPECIALTY CROPS PROGRAM		PASS THROUGH	CALIFORNIA CITRUS RESEARCH BOARD	013558	130,688	
10.604	TECHNICAL ASSISTANCE FOR SPECIALTY CROPS PROGRAM		PASS THROUGH	CALIFORNIA CITRUS RESEARCH BOARD	20-5050-010G	(191)	
10.604	TECHNICAL ASSISTANCE FOR SPECIALTY CROPS PROGRAM		PASS THROUGH	CALIFORNIA CITRUS RESEARCH BOARD	22-5050-010G	134,891	
10.604	TECHNICAL ASSISTANCE FOR SPECIALTY CROPS PROGRAM		PASS THROUGH	CALIFORNIA CITRUS RESEARCH BOARD	22-5500-501B	163,112	
10.612	USDA LOCAL AND REGIONAL FOOD AID PROCUREMENT PROGRAM		PASS THROUGH	CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO	Y22-5939	7,694	
10.612	USDA LOCAL AND REGIONAL FOOD AID PROCUREMENT PROGRAM		PASS THROUGH	MONTANA STATE UNIVERSITY	G103-23-W9211	35,178	
10.612	USDA LOCAL AND REGIONAL FOOD AID PROCUREMENT PROGRAM		PASS THROUGH	UNIVERSITY OF MINNESOTA	A010480401	7,748	
10.652	FORESTRY RESEARCH	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		64,877	
10.652	FORESTRY RESEARCH		PASS THROUGH	NATIONAL FISH AND WILDLIFE FOUNDATION	0806.22.075503	24,628	
10.652	FORESTRY RESEARCH		PASS THROUGH	OREGON STATE UNIVERSITY	20-00080	(32)	
10.664	COOPERATIVE FORESTRY ASSISTANCE	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		4,533	
10.674	WOOD UTILIZATION ASSISTANCE	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		95,732	431
10.674	WOOD UTILIZATION ASSISTANCE		PASS THROUGH	UNIVERSITY OF NEVADA, RENO	Sub UNR-20-37(19-DG-11046000-6	364	
10.675	URBAN AND COMMUNITY FORESTRY PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION	20-DG-11052021-226	104,736	
10.680	FOREST HEALTH PROTECTION	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		392,172	
10.680	FOREST HEALTH PROTECTION		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0146-001-SF	39,882	
10.684	INTERNATIONAL FORESTRY PROGRAMS	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		121,838	
10.684	INTERNATIONAL FORESTRY PROGRAMS		PASS THROUGH	WASHINGTON STATE UNIVERSITY	22-DG-11132762-418	36,191	
10.699	PARTNERSHIP AGREEMENTS	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		240,433	
10.707	RESEARCH JOINT VENTURE AND COST REIMBURSABLE AGREEMENTS	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		299,249	
10.777	NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP		PASS THROUGH	NORTH CAROLINA STATE UNIVERSITY	FX21BF-10777R026	4,000	
10.902	SOIL AND WATER CONSERVATION	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		270,776	
10.902	SOIL AND WATER CONSERVATION		PASS THROUGH	OREGON STATE UNIVERSITY	DB066A-C	2,412	
10.902	SOIL AND WATER CONSERVATION		PASS THROUGH	UNIVERSITY OF ARIZONA	NR193A750007C002	51,797	
10.903	SOIL SURVEY	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		47,610	8,209
10.903	SOIL SURVEY		PASS THROUGH	CITY UNIVERSITY OF NEW YORK	011178	10,852	
10.912	ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		568,487	11,342
10.912	ENVIRONMENTAL QUALITY INCENTIVES PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0619-002-SF	43,114	
10.912	ENVIRONMENTAL QUALITY INCENTIVES PROGRAM		PASS THROUGH	OKLAHOMA STATE UNIVERSITY	3-580900.UCANR1	1,655	
10.912	ENVIRONMENTAL QUALITY INCENTIVES PROGRAM		PASS THROUGH	TEXAS A&M AGRILIFE RESEARCH	M2102131	23,792	
10.912	ENVIRONMENTAL QUALITY INCENTIVES PROGRAM		PASS THROUGH	THE LATINO EQUITY ADVOCACY & POLICY INSTITUTE, THE LEAP INST	NR223A750013G036	19,596	
10.913	FARM AND RANCH LANDS PROTECTION PROGRAM	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		3,154	
10.960	TECHNICAL AGRICULTURAL ASSISTANCE	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		37,605	
10.961	SCIENTIFIC COOPERATION AND RESEARCH	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		28,243	
10.962	COCHRAN FELLOWSHIP PROGRAM	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		338,444	
10.RD	FEDERAL CONTRACTS	DIRECT	PASS THROUGH	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		61,974	
10.RD	FEDERAL CONTRACTS	DIRECT	PASS THROUGH	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		1,567,223	15,440
10.RD	FEDERAL CONTRACTS		PASS THROUGH	BIGELOW LABORATORY FOR OCEAN SCIENCES	490040A	63,137	
10.RD	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	011885	(7,671)	
10.RD	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0741-000-SG	(20,250)	
10.RD	FEDERAL CONTRACTS		PASS THROUGH	DAIRY MANAGEMENT INC	3693-0	48,000	
10.RD	FEDERAL CONTRACTS		PASS THROUGH	DAIRY MANAGEMENT INC	A23-2121	521,195	
10.RD	FEDERAL CONTRACTS		PASS THROUGH	DAIRY MANAGEMENT INC	D1323	84,489	
10.RD	FEDERAL CONTRACTS		PASS THROUGH	DAIRY RESEARCH INSTITUTE	1299-0	392,020	
10.RD	FEDERAL CONTRACTS		PASS THROUGH	FLORAPULSE CO.	A23-0466	46,267	
10.RD	FEDERAL CONTRACTS		PASS THROUGH	FOUNDATION FOR FOOD AND AGRICULTURE RESEARCH	550830	11,753	5,392
10.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL FISH AND WILDLIFE FOUNDATION	0806.19.064532	60,650	15,423
10.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL FISH AND WILDLIFE FOUNDATION	0806.19.064580	8,533	
10.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL FISH AND WILDLIFE FOUNDATION	19-PA-11050700-006	323,081	151,833
10.RD	FEDERAL CONTRACTS		PASS THROUGH	OKLAHOMA STATE UNIVERSITY	2-570230.UCD	25,349	
10.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF WASHINGTON	A23-3650	81	
10.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	2018-70005-28737	683	
10.RD	FEDERAL CONTRACTS		PASS THROUGH	WASHINGTON STATE UNIVERSITY	134194.WSU001046	8,334	
10.RD	FEDERAL CONTRACTS		PASS THROUGH	WESTAT	6798-S01	10,051	
10.RD	FEDERAL CONTRACTS		PASS THROUGH	WESTAT	GS00F009DA/ 12319820F0060	6,000	
11.001	CENSUS BUREAU DATA PRODUCTS	DIRECT	PASS THROUGH	DEPARTMENT OF COMMERCE (DOC)		73,337	
11.001	CENSUS BUREAU DATA PRODUCTS		PASS THROUGH	ALMOND BOARD OF CALIFORNIA	ENT027	61,008	
11.001	CENSUS BUREAU DATA PRODUCTS		PASS THROUGH	ALMOND BOARD OF CALIFORNIA	SA20-5546-01	(10,832)	

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11.001	CENSUS BUREAU DATA PRODUCTS		PASS THROUGH	CALIFORNIA ENERGY COMMISSION	SP22-0018	19,340	
11.001	CENSUS BUREAU DATA PRODUCTS		PASS THROUGH	FOUNDATION FOR CALIFORNIA COMMUNITY COLLEGES	4678	194,716	78,727
11.001	CENSUS BUREAU DATA PRODUCTS		PASS THROUGH	HELMHOLTZ-ZENTRUM DRESDEN-ROSSENDORF	4500052870	46,265	
11.001	CENSUS BUREAU DATA PRODUCTS		PASS THROUGH	IMMVENTION THERAPEUTIX, INC.	A21-0043	(746)	
11.001	CENSUS BUREAU DATA PRODUCTS		PASS THROUGH	RUSSELL SAGE FOUNDATION	G-2011-28846	5,286	
11.001	CENSUS BUREAU DATA PRODUCTS		PASS THROUGH	SANTA CLARA VALLEY WATER DISTRICT	A21-0130	46,472	
11.001	CENSUS BUREAU DATA PRODUCTS		PASS THROUGH	SIERRA HEALTH FOUNDATION	CA21CCPF01	433	
11.001	CENSUS BUREAU DATA PRODUCTS		PASS THROUGH	THE ROBERT WOOD JOHNSON FOUNDATION	A21-1200-5001	8,370	
11.001	CENSUS BUREAU DATA PRODUCTS		PASS THROUGH	WESTAT	20221488-05-01	(469)	
11.011	OCEAN EXPLORATION		DIRECT	DEPARTMENT OF COMMERCE (DOC)		145,815	13,112
11.011	OCEAN EXPLORATION		PASS THROUGH	NATIONAL HISTORY MUSEUM OF LOS ANGELES COUNTY	AGREEMENT NO. SA000110428-2	22,631	
11.012	INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)		DIRECT	DEPARTMENT OF COMMERCE (DOC)		3,212,371	1,165,321
11.012	INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)		PASS THROUGH	MONTEREY BAY AQUARIUM RESEARCH INSTITUTE	A21-0746	85,851	
11.012	INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)		PASS THROUGH	MONTEREY BAY AQUARIUM RESEARCH INSTITUTE	A22-0762-001	2,774	
11.012	INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)		PASS THROUGH	MONTEREY BAY AQUARIUM RESEARCH INSTITUTE	NA21NOS0120090	478,160	
11.012	INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)		PASS THROUGH	MONTEREY BAY AQUARIUM RESEARCH INSTITUTE	PO-2111127	74,645	
11.012	INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	A22-0259	68,898	
11.012	INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	A23-0681-001	1,779	
11.012	INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)		PASS THROUGH	WOODS HOLE OCEANOGRAPHIC INSTITUTION	A101505	52,836	
11.017	OCEAN ACIDIFICATION PROGRAM (OAP)		DIRECT	DEPARTMENT OF COMMERCE (DOC)		300,997	
11.020	CLUSTER GRANTS		DIRECT	DEPARTMENT OF COMMERCE (DOC)		138,939	
11.020	CLUSTER GRANTS		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S4878	34,200	
11.021	NOAA SMALL BUSINESS INNOVATION RESEARCH (SBIR) PROGRAM		PASS THROUGH	DIVEVIZ LLC	DiveViz 002	871	
11.022	BIPARTISAN BUDGET ACT OF 2018		PASS THROUGH	PACIFIC STATES MARINE FISHERIES COMMISSION	21-049G	344,093	
11.022	BIPARTISAN BUDGET ACT OF 2018		PASS THROUGH	PACIFIC STATES MARINE FISHERIES COMMISSION	A20-0832-001	127,164	
11.405	ANADROMOUS FISH CONSERVATION ACT PROGRAM		DIRECT	DEPARTMENT OF COMMERCE (DOC)		208,921	
11.405	ANADROMOUS FISH CONSERVATION ACT PROGRAM		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	Sub 0000002478 (NA22NES4050 )	55,966	
11.407	INTERJURISDICTIONAL FISHERIES ACT OF 1986		PASS THROUGH	PACIFIC STATES MARINE FISHERIES COMMISSION	NA19NMF4070280	25,602	
11.417	SEA GRANT SUPPORT		DIRECT	DEPARTMENT OF COMMERCE (DOC)		3,998,614	873,204
11.417	SEA GRANT SUPPORT		PASS THROUGH	UC SEA GRANT COLLEGE PROGRAM	19054	(834)	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UC SEA GRANT COLLEGE PROGRAM	NA180AR4170073	(7,862)	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UC SEA GRANT COLLEGE PROGRAM	R/AQ-153F	(30,018)	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UC SEA GRANT COLLEGE PROGRAM	2022-1668	121	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UC SEA GRANT COLLEGE PROGRAM	A21-1539	(726)	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UC SEA GRANT COLLEGE PROGRAM	NA180AR4170073	(679)	(5)
11.417	SEA GRANT SUPPORT		PASS THROUGH	UC SEA GRANT COLLEGE PROGRAM	NA180AR4170331	(9,350)	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UC SEA GRANT COLLEGE PROGRAM	NA210AR4170242	40,037	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UC SEA GRANT COLLEGE PROGRAM	R/AQ-151F	(17,093)	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UC SEA GRANT COLLEGE PROGRAM	R/AQ-152F	6,110	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UC SEA GRANT COLLEGE PROGRAM	R/HCE-22F_Yr 1	6,075	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UC SEA GRANT COLLEGE PROGRAM	R/HCE-26F_Yr 1	14,942	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UNIVERSITY OF ALASKA SYSTEM	UA 21-0023	4,276	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	129407351	12,675	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00003150	38,670	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UNIVERSITY OF SOUTHERN MISSISSIPPI	8006106-01.01-C2 UCSD	7,929	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13302	56,344	
11.417	SEA GRANT SUPPORT		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC14119 BPO#69334	11,168	
11.417	SEA GRANT SUPPORT		PASS THROUGH	USC SEA GRANT	SCON-00003148	3,594	
11.417	SEA GRANT SUPPORT		PASS THROUGH	USC SEA GRANT	SCON-00003830	10,067	
11.419	COASTAL ZONE MANAGEMENT ADMINISTRATION AWARDS		PASS THROUGH	SOUTHWEST WETLANDS INTERPRETIVE ASSOCIATION	SWIA 2023-01-06	17,587	
11.420	COASTAL ZONE MANAGEMENT ESTUARINE RESEARCH RESERVES		DIRECT	DEPARTMENT OF COMMERCE (DOC)		156,918	
11.427	FISHERIES DEVELOPMENT AND UTILIZATION RESEARCH AND DEVELOPMENT GRANTS AND COOPERATIVE AGREEMENTS PROGRAM		DIRECT	DEPARTMENT OF COMMERCE (DOC)		86,021	19,340
11.427	FISHERIES DEVELOPMENT AND UTILIZATION RESEARCH AND DEVELOPMENT GRANTS AND COOPERATIVE AGREEMENTS PROGRAM		PASS THROUGH	AUBURN UNIVERSITY	NA22NMF4270155	22,599	
11.427	FISHERIES DEVELOPMENT AND UTILIZATION RESEARCH AND DEVELOPMENT GRANTS AND COOPERATIVE AGREEMENTS PROGRAM		PASS THROUGH	VIRGINIA INSTITUTE OF MARINE SCIENCE	724364-712683	14,893	
11.431	CLIMATE AND ATMOSPHERIC RESEARCH	COVID-19	DIRECT	DEPARTMENT OF COMMERCE (DOC)		278,308	
11.431	CLIMATE AND ATMOSPHERIC RESEARCH	COVID-19	DIRECT	DEPARTMENT OF COMMERCE (DOC)	GR16401	4,290,521	798,325
11.431	CLIMATE AND ATMOSPHERIC RESEARCH	COVID-19	PASS THROUGH	DESERT RESEARCH INSTITUTE	GR16402	66,867	
11.431	CLIMATE AND ATMOSPHERIC RESEARCH	COVID-19	PASS THROUGH	DESERT RESEARCH INSTITUTE	20172781	9,903	
11.431	CLIMATE AND ATMOSPHERIC RESEARCH	COVID-19	PASS THROUGH	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NOAA	PROTECH-UCI	(101,565)	
11.431	CLIMATE AND ATMOSPHERIC RESEARCH	COVID-19	PASS THROUGH	RIVERSIDE TECHNOLOGY, INC.	M2103574-02-404281-01001	24,458	
11.431	CLIMATE AND ATMOSPHERIC RESEARCH	COVID-19	PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	M2103574-02-404111-01001	32,361	
11.431	CLIMATE AND ATMOSPHERIC RESEARCH	COVID-19	PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	M2200242-02-404111-01001	104,024	

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11.431	CLIMATE AND ATMOSPHERIC RESEARCH		PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	M2200246-02-404181-01001	85,789	
11.431	CLIMATE AND ATMOSPHERIC RESEARCH		PASS THROUGH	UNIVERSITY OF FLORIDA	A23-0050	4,590	
11.431	CLIMATE AND ATMOSPHERIC RESEARCH		PASS THROUGH	UNIVERSITY OF MIAMI	OS00000353	37,087	
11.431	CLIMATE AND ATMOSPHERIC RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUB K00011126(DE-NA0003944)	(554)	
11.432	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) COOPERATIVE INSTITUTES COVID-19		DIRECT	DEPARTMENT OF COMMERCE (DOC)			(7,264)
11.432	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) COOPERATIVE INSTITUTES		DIRECT	DEPARTMENT OF COMMERCE (DOC)		17,267,645	1,821,084
11.432	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) COOPERATIVE INSTITUTES		PASS THROUGH	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	G1898102	213,464	
11.432	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) COOPERATIVE INSTITUTES		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	A21-0700	30,075	
11.432	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) COOPERATIVE INSTITUTES		PASS THROUGH	SOLANO COUNTY OFFICE OF EDUCATION	NOAA-NOS-ONMS-2022-2007153	31,787	
11.432	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) COOPERATIVE INSTITUTES		PASS THROUGH	THE UNIVERSITY OF ALABAMA SYSTEM	A22-0307-5002	35,849	
11.432	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) COOPERATIVE INSTITUTES		PASS THROUGH	THE UNIVERSITY OF ALABAMA SYSTEM	A22-0310-5002	268,110	
11.432	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) COOPERATIVE INSTITUTES		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	101813-Z7554214	41,392	
11.432	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) COOPERATIVE INSTITUTES		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	101813-Z7554214-HSU	55,431	
11.438	PACIFIC COAST SALMON RECOVERY PACIFIC SALMON TREATY PROGRAM		PASS THROUGH	BERING SEA FISHERMEN'S ASSOCIATION	A19-0747-001	8,533	
11.439	MARINE MAMMAL DATA PROGRAM		DIRECT	DEPARTMENT OF COMMERCE (DOC)		436,139	202,855
11.451	GULF COAST ECOSYSTEM RESTORATION SCIENCE, OBSERVATION, MONITORING, AND TECHNOLOGY		DIRECT	DEPARTMENT OF COMMERCE (DOC)			124,832
11.451	GULF COAST ECOSYSTEM RESTORATION SCIENCE, OBSERVATION, MONITORING, AND TECHNOLOGY		PASS THROUGH	STONY BROOK UNIVERSITY (A STATE UNIVERSITY OF NEW YORK CAMPUS)	A20-0172	303,539	
11.454	UNALLIED MANAGEMENT PROJECTS		DIRECT	DEPARTMENT OF COMMERCE (DOC)		50,504	
11.459	WEATHER AND AIR QUALITY RESEARCH		DIRECT	DEPARTMENT OF COMMERCE (DOC)		189,607	6,381
11.459	WEATHER AND AIR QUALITY RESEARCH		PASS THROUGH	GEORGE MASON UNIVERSITY	E2059982	9,312	
11.459	WEATHER AND AIR QUALITY RESEARCH		PASS THROUGH	GEORGE MASON UNIVERSITY	E2059983	10,160	
11.460	SPECIAL OCEANIC AND ATMOSPHERIC PROJECTS		DIRECT	DEPARTMENT OF COMMERCE (DOC)		137,121	
11.462	HYDROLOGIC RESEARCH		PASS THROUGH	UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	SUBAWD001987	(1,502)	
11.463	HABITAT CONSERVATION		PASS THROUGH	NATIONAL FISH AND WILDLIFE FOUNDATION	A18-0506-001	(423)	
11.467	METEOROLOGIC AND HYDROLOGIC MODERNIZATION DEVELOPMENT		PASS THROUGH	UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	SUBAWD003887	178,923	
11.469	CONGRESSIONALLY IDENTIFIED AWARDS AND PROJECTS		DIRECT	DEPARTMENT OF COMMERCE (DOC)		189,898	
11.472	UNALLIED SCIENCE PROGRAM		DIRECT	DEPARTMENT OF COMMERCE (DOC)		84,237	
11.472	UNALLIED SCIENCE PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	P1970003	40,548	
11.472	UNALLIED SCIENCE PROGRAM		PASS THROUGH	NORTH PACIFIC RESEARCH BOARD	2117	42,106	
11.472	UNALLIED SCIENCE PROGRAM		PASS THROUGH	NORTH PACIFIC RESEARCH BOARD	2112A	153,089	
11.472	UNALLIED SCIENCE PROGRAM		PASS THROUGH	NORTH PACIFIC RESEARCH BOARD	2112B	12,018	
11.472	UNALLIED SCIENCE PROGRAM		PASS THROUGH	NORTH PACIFIC RESEARCH BOARD	A22-0292-001	71,837	
11.472	UNALLIED SCIENCE PROGRAM		PASS THROUGH	PACIFIC STATES MARINE FISHERIES COMMISSION	21-1456	55,761	37,143
11.473	OFFICE FOR COASTAL MANAGEMENT		PASS THROUGH	CALIFORNIA FIRE SAFE COUNCIL, INC.	20 NFWF 353968	21,127	
11.478	CENTER FOR SPONSORED COASTAL OCEAN RESEARCH COASTAL OCEAN PROGRAM		DIRECT	DEPARTMENT OF COMMERCE (DOC)		873,968	301,244
11.478	CENTER FOR SPONSORED COASTAL OCEAN RESEARCH COASTAL OCEAN PROGRAM		PASS THROUGH	OREGON STATE UNIVERSITY	NA355A-B	54,920	
11.482	CORAL REEF CONSERVATION PROGRAM		PASS THROUGH	NATIONAL FISH AND WILDLIFE FOUNDATION	0302.20.068675	18,149	
11.483	NOAA PROGRAMS FOR DISASTER RELIEF APPROPRIATIONS ACT - NON-CONSTRUCTION AND CONSTRUCTION		PASS THROUGH	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	NA22NMF4720103	438,216	
11.609	MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS		DIRECT	DEPARTMENT OF COMMERCE (DOC)		1,561,752	360
11.609	MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	Sub 1080440-471172 (70NANB2)	18,714	
11.609	MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS		PASS THROUGH	INDIANA UNIVERSITY	711G003	56,004	
11.609	MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS COVID-19		PASS THROUGH	IOWA STATE UNIVERSITY	022284F	627,555	
11.609	MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS		PASS THROUGH	UNIVERSITY OF MICHIGAN	Sub 3004650965 (70NANB17H291)	83,900	
11.609	MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS		PASS THROUGH	UNIVERSITY SYSTEM OF MARYLAND	86307-Z7573201	43,928	
11.619	ARRANGEMENTS FOR INTERDISCIPLINARY RESEARCH INFRASTRUCTURE		DIRECT	DEPARTMENT OF COMMERCE (DOC)		60,164	
11.619	ARRANGEMENTS FOR INTERDISCIPLINARY RESEARCH INFRASTRUCTURE		PASS THROUGH	BIOINDUSTRIAL MANUFACTURING AND DESIGN ECOSYSTEM	22-RACER-A-0106-0075	265,779	
11.619	ARRANGEMENTS FOR INTERDISCIPLINARY RESEARCH INFRASTRUCTURE		PASS THROUGH	BIOINDUSTRIAL MANUFACTURING AND DESIGN ECOSYSTEM	22-RACER-A-0107-0076	1,622,742	1,134,311
11.619	ARRANGEMENTS FOR INTERDISCIPLINARY RESEARCH INFRASTRUCTURE		PASS THROUGH	BIOINDUSTRIAL MANUFACTURING AND DESIGN ECOSYSTEM	GS3YEVS512N6	314,300	
11.619	ARRANGEMENTS FOR INTERDISCIPLINARY RESEARCH INFRASTRUCTURE		PASS THROUGH	UNIVERSITY OF ROCHESTER	SUB00000352	124,422	
11.620	SCIENCE, TECHNOLOGY, BUSINESS AND/OR EDUCATION OUTREACH		DIRECT	DEPARTMENT OF COMMERCE (DOC)		125,547	

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11.RD	FEDERAL CONTRACTS	COVID-19	DIRECT	DEPARTMENT OF COMMERCE (DOC)		42,456	29,427
11.RD	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF COMMERCE (DOC)		209,024	164,860
11.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF DELAWARE	PC5.2-203	13,735	
11.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS DARTMOUTH	36217	4,866	
12.002	PROCUREMENT TECHNICAL ASSISTANCE FOR BUSINESS FIRMS		PASS THROUGH	SRI INTERNATIONAL	Sub PO37365(W81XWH19C0096)	338,074	
12.005	CONSERVATION AND REHABILITATION OF NATURAL RESOURCES ON MILITARY INSTALLATIONS		PASS THROUGH	COLORADO STATE UNIVERSITY	A22-0764-001		28,850
12.005	CONSERVATION AND REHABILITATION OF NATURAL RESOURCES ON MILITARY INSTALLATIONS		PASS THROUGH	COLORADO STATE UNIVERSITY	A23-0743-001		46,093
12.005	CONSERVATION AND REHABILITATION OF NATURAL RESOURCES ON MILITARY INSTALLATIONS		PASS THROUGH	COLORADO STATE UNIVERSITY	G-17143-04		36,578
12.006	NATIONAL DEFENSE EDUCATION PROGRAM		DIRECT	DEPARTMENT OF DEFENSE		556,944	22,126
12.008	DREDGED MATERIAL CONTAINMENT AREA		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	012430	73,857	
12.010	YOUTH CONSERVATION SERVICES		DIRECT	DEPARTMENT OF DEFENSE		506,410	
12.114	COLLABORATIVE RESEARCH AND DEVELOPMENT	COVID-19	DIRECT	DEPARTMENT OF DEFENSE		(106,237)	
12.114	COLLABORATIVE RESEARCH AND DEVELOPMENT		DIRECT	DEPARTMENT OF DEFENSE		4,141,390	244,698
12.225	COMMERCIAL TECHNOLOGIES FOR MAINTENANCE ACTIVITIES PROGRAM		PASS THROUGH	NATIONAL CENTER FOR MANUFACTURING SCIENCES	2022137-142232		54,845
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH	COVID-19	DIRECT	DEPARTMENT OF DEFENSE		1,087,153	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		DIRECT	DEPARTMENT OF DEFENSE		80,434,698	7,390,019
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S549278	120,299	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	1141311-425280	193,815	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	CHARLES RIVER ANALYTICS	A21-0469	133,020	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	COLORADO STATE UNIVERSITY	A21-0383-001	203,542	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG014055)	2,797	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	Sub 3(GG014055) ( N00014-19 )	22,044	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	COOPERATIVE ECOSYSTEM STUDIES UNITS	20200160-01	30,858	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	141417-21519	79,562	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	142620-21680	13,482	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	FLORIDA STATE UNIVERSITY	R02164	94,609	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	FOUNDATION FOR MARINE ECOLOGY AND TELEMETRY RESEARCH	028-0205IO001_002	21,029	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	19-S10	239,581	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	AWD-102036-G4	160,834	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH	COVID-19	PASS THROUGH	HAL TECHNOLOGY, LLC	214780	71,927	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	HLS RESEARCH, INC.	Sub 30013590 (N00014-17-C-7041	2,146	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	INTUITIVE SURGICAL OPERATIONS, INC	30028871	25,828	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2004801912	89,448	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	KELP MARINE RESEARCH	30171186	23,097	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	KELP MARINE RESEARCH	20 2702 001	85,739	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	LINCOLN LABORATORY	7000542228	127,793	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710004237	5,358	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S4954 PO 441624	272,364	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	NATIONAL MARROW DONOR PROGRAM	17-SIBS	2,001	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	NATIONAL MARROW DONOR PROGRAM	C#10141/11050-Measure	9,608	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	NORTH CAROLINA STATE UNIVERSITY	SUB 2015-1959-03 (N00014-15-1-	(3,271)	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	NORTHEASTERN UNIVERSITY	503405-78050	69,015	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	011158	41,466	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	RICE UNIVERSITY	R1A843	111,804	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	RICE UNIVERSITY	X03072516	71,151	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	A20-0174	140,598	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	SUB SA00000719 (N00014-19-1-268	76,774	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	SMRU LIMITED	A20-0735-001	(90)	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62167799-140670	51,466	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	A19-0734	50,068	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	SUB 62669594-189695 (N0001 )	178,148	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	TRITON SYSTEMS, INC.	TSI-2736-21-20205663	(2,553)	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF ALASKA SYSTEM	UA 21-0112	298,807	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	206874	32	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	217733	(23,389)	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	390506	(12,491)	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	SUB 200257(N00014-16-1-2237)	232	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1559358(N00014-20-1-2580)	159,759	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	SUB 1553360 (N0014-15-1-2809)	46,111	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	SUB 1557550(OCG6761B)	31,740	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	Sub 1558946(N00014-19-1-2522)	5,037	

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12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF EDINBURGH	WT9939033/RB0860	23,600	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	010076	244,734	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	18010467-C-05	223,563	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	34553-AT-RB-111182	62,862	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS DARTMOUTH	021122	21,381	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	A006141804	75,157	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF NEBRASKA	25-0509-0202-002	243,166	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	N00014-20-1-2590	355,093	3,653
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA SYSTEM	5118246 (N00014-20-1-2590)	(273,817)	(3,653)
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	203349UCSD	12	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	204133UCSD	33,251	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00003971 (417688-6)	285,253	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	115250657	107,732	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	135239543	1,314	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00003986	83,372	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 84902573 (N00014-17-1-206	(19,878)	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub SCON-00003366 (N00014-2 )	138,018	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN MISSISSIPPI	SUB USM-8006352-01.01 UCSD(N00)	50,932	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF ST ANDREWS	A23-0647-001	3,324	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF TENNESSEE	A19-0099-5004	29,853	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTA16-000560	(1,365)	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTA20-000913	70,484	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF VIRGINIA	GG12149.160225	53,008	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13937	356,977	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC14298 PO 70696	3,706	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC9067	57,535	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC9069	142,551	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	VANDERBILT UNIVERSITY	UNIV61745	21,870	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	A21-0055	108,209	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	CALIFORNIA STATE UNIVERSITY FULLERTON/CSU FULLERTON AUXILIARY	A22-0778-001	21,368	
12.300	BASIC AND APPLIED SCIENTIFIC RESEARCH		PASS THROUGH	RTI HEALTH SOLUTIONS	Sub 10-312-0216908-65594L (W91)	126,713	
12.330	SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS (STEM) EDUCATION, OUTREACH AND WORKFORCE PROGRAM	COVID-19	DIRECT	DEPARTMENT OF DEFENSE		248,821	
12.330	SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS (STEM) EDUCATION, OUTREACH AND WORKFORCE PROGRAM		PASS THROUGH	NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY	A20-0564-004	(8)	
12.335	NAVY COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS, INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE		DIRECT	DEPARTMENT OF DEFENSE		226,199	
12.335	NAVY COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS, INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE		PASS THROUGH	EPISYS SCIENCE, INC.	Sub NAVY-AlphaUUV-S001 (N68)	(7,897)	
12.335	NAVY COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS, INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2351825	49,704	
12.335	NAVY COMMAND, CONTROL, COMMUNICATIONS, COMPUTERS, INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE		PASS THROUGH	ORBITAL INSIGHT, INC.	052414	62,297	
12.340	NAVAL MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	Subaward # 5638	1,973,961	1,720,795
12.340	NAVAL MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1010447_UCSF	(439)	
12.351	SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	COVID-19	DIRECT	DEPARTMENT OF DEFENSE		844,728	
12.351	SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION		DIRECT	DEPARTMENT OF DEFENSE		6,470,709	1,619,889
12.351	SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION		PASS THROUGH	HARVARD UNIVERSITY	124326-5116876	186,313	
12.351	SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	011887	414,352	
12.351	SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	012995	114,986	
12.351	SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub 2004730758 (HDTRA12020001)	345,073	
12.351	SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION		PASS THROUGH	NATIONAL UNIVERSITY OF SINGAPORE	2022-0341	106,185	
12.351	SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	SA21-04	3,475	
12.351	SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION		PASS THROUGH	TEMPLE UNIVERSITY	258954-UCLA	(744)	
12.351	SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION		PASS THROUGH	UNIVERSITY OF TENNESSEE	A18-0780-5001	142	
12.351	SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION		PASS THROUGH	VANDERBILT UNIVERSITY	UNIV59843	(6,529)	
12.355	PEST MANAGEMENT AND VECTOR CONTROL RESEARCH		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	203396UCSF	626	
12.369	MARINE CORPS SYSTEMS COMMAND FEDERAL ASSISTANCE PROGRAM	COVID-19	DIRECT	DEPARTMENT OF DEFENSE		426,497	
12.400	MILITARY CONSTRUCTION, NATIONAL GUARD		PASS THROUGH	STANFORD UNIVERSITY	62947385-239263	84,076	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		DIRECT	DEPARTMENT OF DEFENSE		1,504,091	5,217
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		DIRECT	DEPARTMENT OF DEFENSE		54,975,223	4,188,934
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	AMERICAN BURN ASSOCIATION	A20-3319	513,428	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	AMERICAN BURN ASSOCIATION	A20-3320	447,678	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	AMERICAN BURN ASSOCIATION	W81XWH-19-2-0043	7,331	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	ARETE ASSOCIATES, INC.	A23-0241-001	34,833	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	SUB 7000001062 (W81XWH-15-2-00)	34	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	Sub m S456755 (W81XWH-17-0589)	9,224	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0001820287	109	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	1620245	28,485	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	1789227	33,490	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	CENTER FOR VETERANS RESEARCH AND EDUCATION	CVRE-28	68,487	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	DUKE UNIVERSITY	235594/3531868	6,420	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	DUKE UNIVERSITY	3131141	80,601	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	FLORIDA STATE UNIVERSITY	R000002942	67,139	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	GENEVA FOUNDATION	S-11059-01	19,483	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	GYPHON BIO, INC	W81XWH2110469-RG	59,538	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	H. LEE MOFFITT CANCER CENTER & RESEARCH INSTITUTE, INC	12-20451-99-01-G3	46,501	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	HENNEPIN HEALTHCARE RESEARCH INSTITUTE	Sub 15059-01 (W81XWH-17-2-0059)	4,871	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	4096	229,402	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	5529	52,734	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	823738/WX81XWH112017	11,343	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	Sub 5998 (W81XWH-18-2-0024)	14,431	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2003952086	26,774	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2004692651	12,529	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	KESSLER FOUNDATION INC	40616-02	3,507	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	LUNDQUIST INSTITUTE FOR BIOMEDICAL INNOVATION AT HARBOR-UCLA	SCON-00003773	2,366	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	MASS GENERAL BRIGHAM INCORPORATED	533034	141,133	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	MASSACHUSETTS EYE AND EAR INFIRMARY	38037	(19,510)	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S4834 - PO 361087	(8,610)	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	W81XWH2110890	413,136	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	MELANOMA RESEARCH ALLIANCE	W81XWH2210768-UCSF01	30,855	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	MEMORIAL SLOAN-KETTERING CANCER CENTER	Sub MSKSU800000137 (W81XWH)	60,118	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	NEW YORK UNIVERSITY	19-A0-00-1003679	82,533	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, IN	CHA2342-01	272,569	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, IN	WOO2191-01	28,990	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	NORTHWESTERN UNIVERSITY	60059317 UCLA	293,588	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	NORTHWESTERN UNIVERSITY	60060216 UCB	184,238	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	NYU LANGONE HEALTH SYSTEM	22-A0-00-1008054	146,172	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	OHIO STATE UNIVERSITY	SUB 60065095 (W81XWH1810059)	27,388	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	013313	50,000	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	PURDUE UNIVERSITY	13001027-074	20,950	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT	COVID-19	PASS THROUGH	RESILIENCE GOVERNMENT SERVICES, INC.	Asimov	513	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	ROSWELL PARK CANCER INSTITUTE CORPORATION	Sub 494-01 (W81XWH-22-1-1072)	30,459	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	SAN JOSE STATE UNIVERSITY RESEARCH FOUNDATION	21-1301-6376-UCSF	20,228	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	SANTA CLARA VALLEY MEDICAL CENTER	A135342	23,074	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	STANFORD UNIVERSITY	A21-0025	51,104	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	A127043	39,144	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF ARIZONA	sub 668190 (W81XWH2210319)	68,715	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF CINCINNATI	010376-002	984	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY18.576.005	23,473	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	W81XWH-15-1-0584	139,383	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT	COVID-19	PASS THROUGH	UNIVERSITY OF FLORIDA	20204040	1,007	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF MARYLAND, BALTIMORE	F302463-1	69,843	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	578105	24,786	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	578105 (W81XWH1910861)	(3,655)	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	582686	4,347	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	582686 (W81XWH2110590)	4,144	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	A137799	31,626	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	170495/170514	62,829	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF UTAH	1002769-02	(7,447)	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF UTAH	10058466-01	144,989	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT	COVID-19	PASS THROUGH	UNIVERSITY OF VIRGINIA	GG12337	56,977	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF VIRGINIA	GG12471.170350	57,971	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13507	56,576	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	000000217	31,525	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA NORMAN 315013 (W81XWH-15)	70,772	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Afari (323660) 112579741	6,360	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA BROCK 321479 (W81XWH181047)	3,453	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA JAK 322924 (W81XWH1910656)	6,969	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA JAK 323015 (W81XWH-19-2006)	25,503	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Jak 324328 (W81XWH2010862)	27,714	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA LEUNG 323195(WH1910691)	26,874	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA MORLAND 322923(W81XWH19106)	4,619	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Onton 325242 (7002502)	33,668	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA RISBROUGH 321506(W81XWH181)	13,736	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Schiehser 321968 110788676	82,305	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA TWAMLEY 323042(W81XWH19106)	68,275	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA TWAMLEY 323410(PK17VMRF1)	79	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA ETTENHOFER 324540 (W81X )	23,774	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA MERRITT 324504 (W81XWH )	8,462	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA NEWTON 324607 ((W81XWH))	1,741	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Rutledge 326072 (W81XWH )	10,220	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA YANG 326123 (W81XWH-20)	14,062	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Delano-Wood 326245 (7W8 )	80,249	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Risbrough 326265 (W81XW )	28,627	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Schiehser 326585 (W81X )	7,698	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Bangs 326584 (W81XWH21 )	10,888	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Bondi 326586 (W81XWH211 )	10,569	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Rutledge 326072 (W81XWH)	14,982	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	WAKE FOREST UNIVERSITY HEALTH SCIENCES	W81XWH2010864	8,008	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	YESHIVA UNIVERSITY	321220	124,794	
12.420	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	GREATER LOS ANGELES VETERANS RESEARCH AND EDUCATION FOUNDATION	CON-80004036 (GR118519):2	29,711	
12.431	BASIC SCIENTIFIC RESEARCH		DIRECT	DEPARTMENT OF DEFENSE		29,410,261	7,879,910
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S376336	268,265	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	SS81392	148,155	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	Sub 43B-1097279 (W911NF-16-1-0)	48,198	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, NORTHRIDGE	A19-0006-5001	57,754	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	1130233-469803	165,419	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	W911NF20D0002	28,743	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	DREXEL UNIVERSITY	940002	2,153,477	503,481
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	DREXEL UNIVERSITY	940015	109,068	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	DUKE UNIVERSITY	313-0838	89,591	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	AWD-001219-G1	124,796	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	134373-5114507	155,989	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2003506204	81,079	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2003550747	271,858	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2004718190	241,323	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2004718191	120,252	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005607573	122,687	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	GMO200605 PO:000002007C	833,572	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S4660-P021710	169,320	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	MAXENTRIC TECHNOLOGIES LLC	sub UCSD-4330-1(W81XWH20C0001)	(15,920)	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	MEDICAL TECHNOLOGY ENTERPRISE CONSORTIUM	2018-674	4,323,411	1,456,748
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	NORTH CAROLINA STATE UNIVERSITY	22-1238-01	5,853	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	NORTHERN ARIZONA UNIVERSITY	W911NF1910040	28,897	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	SPC-1000007047   GR129059	106,583	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	PRINCETON UNIVERSITY	SUB0000404	412,256	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	SEMI	20194311	(1,006)	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62455187-163612	218,602	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62455475-163612	233,521	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	THE TEXAS A&M UNIVERSITY SYSTEM	Sub M2203597 (W911NF-22-0)	36,441	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF HOUSTON	W911NF20C0038	27,073	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	37919-28424101	127,792	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	3004628715	101,645	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00008376	92,795	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00013910	187,553	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	576798	225,327	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	574723	275,197	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	133572263	123,483	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	140992089	264,204	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	80483423	77,416	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	006950	46,773	
COVID-19							

**University of California**  
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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	Sub UWCS10378(W911NF-17-1-0595)	122,147	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	Sub 0000001470 (W911NF2110317)	92,723	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	US IGNITE, INC.	A22-0641-001	(35,000)	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	012669	496,695	
12.431	BASIC SCIENTIFIC RESEARCH	COVID-19	PASS THROUGH	WORCESTER POLYTECHNIC INSTITUTE	10520-GR	432,052	
12.431	BASIC SCIENTIFIC RESEARCH		PASS THROUGH	STONY BROOK UNIVERSITY (A STATE UNIVERSITY OF NEW YORK CAMPUS)	95787-1178495-2	23,967	
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		DIRECT	DEPARTMENT OF DEFENSE		11,787,325	884,140
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		PASS THROUGH	ADVANCED REGENERATIVE MANUFACTURING INSTITUTE, INC.	T0173-B	132,932	
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		PASS THROUGH	CONSTRUCTION ENGINEERING RESEARCH LABORATORY	W9132T20C0010		(37,391)
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		PASS THROUGH	CREATIVE ENGINEERING SOLUTIONS	20141952		(1)
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	112327		8,345
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		PASS THROUGH	MISSISSIPPI STATE UNIVERSITY	060500.364114.01		12,283
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	006576		918,906
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	4957-UCD-ARMY-0045		271,537
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		PASS THROUGH	RAM LABORATORIES, INC.	Sub 2021-RAM-UCSD-001 (HR00 )		(5,188)
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	088831-16649		571,009
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	088831-19224		31,212
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	572622		410,402
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	Sub 572622(W911NF-17-2-0181)		390,961
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC11927		(650)
12.630	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING		PASS THROUGH	AGILE MATERIALS AND TECHNOLOGIES, INC.	SB070018		8,967
12.631	SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) EDUCATIONAL PROGRAM: SCIENCE, MATHEMATICS AND RESEARCH FOR TRANSFORMATION (SMART)		DIRECT	DEPARTMENT OF DEFENSE			402,394
12.631	SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) EDUCATIONAL PROGRAM: SCIENCE, MATHEMATICS AND RESEARCH FOR TRANSFORMATION (SMART)		PASS THROUGH	LMI GOVERNMENT CONSULTING	A20-2873-001		13,906
12.631	SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) EDUCATIONAL PROGRAM: SCIENCE, MATHEMATICS AND RESEARCH FOR TRANSFORMATION (SMART)		PASS THROUGH	RTI HEALTH SOLUTIONS	Sub 18-312-0216908-65879L (888)		
12.740	PAST CONFLICT ACCOUNTING		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	5844		5,201
12.740	PAST CONFLICT ACCOUNTING		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	5986		157,794
12.740	PAST CONFLICT ACCOUNTING		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	6027		23,408
12.750	UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS		DIRECT	DEPARTMENT OF DEFENSE			3,171
12.750	UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS		PASS THROUGH	GENEVA FOUNDATION	S-11147-01		2,208,553
12.750	UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	2942		5,657
12.750	UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	4689		274,702
12.750	UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	5455		(133,540)
12.750	UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	5972		(430,636)
12.750	UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	5802		30,230,687
12.750	UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	Sub 4911(HU00011920025)		7,999,064
12.750	UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	Sub 5359 (HU00012020031)		27,597
12.750	UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	Sub 5731 (HU00012120033)		(92,587)
12.750	UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY			753,278
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	COVID-19	DIRECT	DEPARTMENT OF DEFENSE			6,069,585
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		DIRECT	DEPARTMENT OF DEFENSE			29,232,815
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	AECOM TECHNICAL SERVICES	A20-0825		7,647,801
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	APPLIED RESEARCH ASSOCIATES, INC.	S-D00243-08-TO-01-UCSD		(1,239)
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	BIOINDUSTRIAL MANUFACTURING AND DESIGN ECOSYSTEM	T-PC01-A-03-0076		(579)
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	COVID-19	PASS THROUGH	BIOINDUSTRIAL MANUFACTURING AND DESIGN ECOSYSTEM	T-PC02-A-04-0075		14,875
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S394857		159,112
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH				50,611

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S414979	363,526	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	COVID-19	PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S415023	96,825	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	COVID-19	PASS THROUGH	COLUMBIA UNIVERSITY	1(GG016303)	59,872	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	COVID-19	PASS THROUGH	CORNELL UNIVERSITY	84713-111113	123,641	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	DEPARTMENT OF DEFENSE	FA2386-20-1-1007	6,000	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	DEPARTMENT OF DEFENSE	FA2386-21-1-4033	120,815	81,635
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	DEPARTMENT OF DEFENSE	FA2386-21-1-4055	121,682	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	DEPARTMENT OF DEFENSE	FA2386-22-1-0042	8,378	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	DUKE UNIVERSITY	313-0918	15,069	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	FIRST RF CORPORATION	Sub T22981 (FA8750-19-C-0081)	(59,242)	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	SUB 18-512 (FA9550-18-1-0288)	9,289	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	GEORGIA TECH RESEARCH CORPORATION	AWD-001454-G1	32,419	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	HARVARD UNIVERSITY	130427-5114546	311,249	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	HARVARD UNIVERSITY	130427-5114550	160,288	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	HARVARD UNIVERSITY	134400-5124428	127,342	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	HENRY M. JACKSON FOUNDATION FOR THE ADVANCEMENT OF MILITARY	FA8650-18-26837	1,796	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	INFOSCITEX CORPORATION	A22-0656-001	85,181	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	COVID-19	PASS THROUGH	K2 SPACE CORPORATION	054935	22,407	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	LINCOLN LABORATORY	Sub 7000499402 (FA8702-15-D )	113,749	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	NANO-BIO MANUFACTURING CONSORTIUM	NB18-20-22	(4,316)	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	COVID-19	PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	S001882-AFOSR	187,667	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	PURDUE UNIVERSITY	O10490	197,904	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	RENNSELAER POLYTECHNIC INSTITUTE	A21-0129-5001	123,495	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	SRI INTERNATIONAL	37644	164,203	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	STANFORD UNIVERSITY	60796566-114411	(284)	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	STANFORD UNIVERSITY	61964931-136167	2,844	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	STANFORD UNIVERSITY	62658434-184333	157,953	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	COVID-19	PASS THROUGH	STANFORD UNIVERSITY	62741612-204669	220,324	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	STANFORD UNIVERSITY	62900577-204048	14,044	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	STATE UNIVERSITY OF NEW YORK	SB220198-GDP1	1,502,346	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF CENTRAL FLORIDA	O11223	278,466	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF CENTRAL FLORIDA	A19-0646	200,678	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	Sub 1563562 (FA9550-22-1-0211)	12,085	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF CONNECTICUT	SUB 141414 (FA9550-14-1-0351)	(487)	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF FLORIDA	A19-0638	180,007	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB800002931	34,681	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	7479-28142001	(10)	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF MINNESOTA	A007638501	157,107	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF NEW MEXICO	271704-870D	234,561	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF TEXAS AT ARLINGTON	2016GC0246	266,273	69,343
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	Sub UTA19-000774 (FA9550- 19-1)	54,513	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTAUS-SUB00000690	38,787	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF TEXAS AT DALLAS	A19-0807-001	31,850	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF UTAH	10038423-S2	(177)	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF UTAH	10052440-S2	54,498	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	UNIVERSITY OF UTAH	10059059-04-UCSB	220,261	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	VANDERBILT UNIVERSITY	OSA00000043	112,925	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	COVID-19	PASS THROUGH	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	450577-19910	46,930	
12.800	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM		PASS THROUGH	STONY BROOK UNIVERSITY (A STATE UNIVERSITY OF NEW YORK CAMPUS)	87240/2/1159338	90,798	
12.810	AIR FORCE MEDICAL RESEARCH AND DEVELOPMENT		PASS THROUGH	AMPHP, INC.	A23-1156	46,183	
12.901	MATHEMATICAL SCIENCES GRANTS		DIRECT	DEPARTMENT OF DEFENSE		(2,922)	
12.905	CYBERSECURITY CORE CURRICULUM		DIRECT	DEPARTMENT OF DEFENSE		142,266	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT	COVID-19	DIRECT	DEPARTMENT OF DEFENSE		6,768,697	3,545,499
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		DIRECT	DEPARTMENT OF DEFENSE		30,299,031	10,591,929
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	ARIZONA STATE UNIVERSITY	Sub ASUB00000292 (HR0011199003)	16,513	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	ARM LIMITED	20200730	190,555	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	AUTONOMOUS THERAPEUTICS INC.	D19AC00004	1,480	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT	COVID-19	PASS THROUGH	BOSTON UNIVERSITY	4500003487	352,813	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S489438	598,968	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S545106	543,868	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	CENTER FOR OPEN SCIENCE	Sub 7976 (N660011924015)	490	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	COLUMBIA UNIVERSITY	HR01122C034	51,463	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	DONALD DANFORTH PLANT SCIENCE CENTER	O10121	935,882	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	A23-0197-001	40,827	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	AWD-102938-G5	(260)	

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12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	HARVARD UNIVERSITY	A19-0906-002	(5)	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	HP INC.	HPL-MM-UCSB-0007-1	26	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0258-A951-4609:1	57,394	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	LEIDOS, INC.	30074545/P010250769	831,282	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT	COVID-19	PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S4940, P01 447984	(7,984)	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	MONTANA STATE UNIVERSITY	G173-19-W7329	158,151	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	MSB ASSOCIATES	A22-0570-001	347,899	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	NORTHEASTERN UNIVERSITY	505232-78050	150,679	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	NOVATEUR RESEARCH SOLUTIONS LLC	HR0011150926 UCSD-SUBK (DAR )	46,523	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	PRINCETON UNIVERSITY	A21-0793	125,584	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	PRINCIPLE POWER INC.	050021	60,156	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	PURDUE UNIVERSITY	13000933-008	473,065	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	SRI INTERNATIONAL	PO 44993	(8,289)	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	STANFORD UNIVERSITY	62747292-212543	718,782	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT	COVID-19	PASS THROUGH	STANFORD UNIVERSITY	SUB 62459362-155611(HR00112 )	(8,856)	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	STANFORD UNIVERSITY	SUB 62459357-155611(HR00112 )	127	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	STANFORD UNIVERSITY	SUB 62780870-155611	795,920	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	STANFORD UNIVERSITY	Sub 63020288-155611	148,895	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	STATE UNIVERSITY OF NEW YORK	2020-916	551,143	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	THE TEXAS A&M UNIVERSITY SYSTEM	M1901610 M1901612	106,792	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB00003619	47,722	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF MARYLAND, BALTIMORE	D18A000060	644	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF MIAMI	A22-0347-001	305,670	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00018272	110,781	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT	COVID-19	PASS THROUGH	UNIVERSITY OF MINNESOTA	A002069701	(1,077)	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF MINNESOTA	Sub A008043201 (FA8650-20-2-70)	539,610	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5124423	1,099,100	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	204368UCB	171,920	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	125049675	259,691	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	134700428	84,836	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	140937689	117,637	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	A22-0055-5045	237,831	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	CON-80003879(GR117211):3	334,066	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF TEXAS AT DALLAS	1705120	6,217	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT	COVID-19	PASS THROUGH	UNIVERSITY OF TEXAS AT DALLAS	2109526	111,355	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF TEXAS AT DALLAS	5U19A128913-05	197,412	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	UNIVERSITY OF VIRGINIA	GG12438.169157	225,042	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	YALE UNIVERSITY	A21-0446-005	6,244	
12.910	RESEARCH AND TECHNOLOGY DEVELOPMENT		PASS THROUGH	STONY BROOK UNIVERSITY (A STATE UNIVERSITY OF NEW YORK CAMPUS)	87770/2/116045	271,623	
12.RD	FEDERAL CONTRACTS	COVID-19	DIRECT	DEPARTMENT OF DEFENSE		39,332,199	3,688,580
12.RD	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		4,290	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	ACCENTURE FEDERAL SERVICES LLC	012923	150,097	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	ACCENTURE FEDERAL SERVICES LLC	013239	8,018	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	ACCENTURE SAS	012923	75,664	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	ACCENTURE SAS	013239	339,654	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	ADVANCED TECHNOLOGY INTERNATIONAL	2021-402	165,227	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	AGNITRON TECHNOLOGY, INC.	SB210145	82,221	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	AGNITRON TECHNOLOGY, INC.	SB220074	57,851	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	AMERICAN BURN ASSOCIATION	W81XWH-16-2-0048	683	
12.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	AMERICAN LIGHTWEIGHT MATERIALS MANUFACTURING INNOVATION INST	K021-01	22,606	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	AMETHYST RESEARCH, INC.	SB220208	146,355	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	AMPHP, INC.	A23-2970	18,284	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	APPLIED RESEARCH SOLUTIONS, INC.	S00017	131,187	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	APTIMA, INC.	Sub 1337-2094 (W81XWH-19-C-002)	69,680	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	ARIZONA STATE UNIVERSITY	ASUB00000021	77,574	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	ARIZONA STATE UNIVERSITY	ASUB000000244	413,521	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	BAE SYSTEMS (GREAT BRITAIN)	1141088	154,995	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	BOSTON FUSION	013543	50,915	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	CDM SMITH INC.	013412	74,513	
12.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	CDM SMITH INC.	A22-4008	128,701	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	CHARLES RIVER ANALYTICS	SC1936106	149,097	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	CLARKSON AEROSPACE CORP.	UCB21-1-0460	84,264	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	COALITION FOR NATIONAL TRAUMA RESEARCH	CNTR20-HUMA-07	4,636	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	CODAGENIX INC.	A21-4194	69,698	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	COGNIONICS, INC.	CI-226881	9,917	

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12.RD	FEDERAL CONTRACTS		PASS THROUGH	COGNIONICS, INC.	Sub 30097844 (W81XWH-18-C-0)	142,758	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	COLUMBIA UNIVERSITY	7 (GG018338-06)	278,016	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	COLUMBIA UNIVERSITY	8(GG018338-06)	204,342	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	CORNELL UNIVERSITY	145105-21914	50,872	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	DUKE UNIVERSITY	313-000044	91,486	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	DUKE UNIVERSITY	3130986	22,550	
12.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	DUKE UNIVERSITY	313-1035	67,960	
12.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	ELECTRA AERO, INC.	224117	107,025	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	FLORIDA TURBINE TECHNOLOGIES, INC.	FA865019D2056	19,618	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	GE GLOBAL RESEARCH	401152372	607,024	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	GE GLOBAL RESEARCH	401176065	145,589	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	GENEVA FOUNDATION	013464	116,649	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	GEORGIA TECH RESEARCH CORPORATION	AWD-004308-S7	188,600	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	GRIFFITH UNIVERSITY	A21-4282	26,181	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	HALEY & ALDRICH, INC.	012965	86,812	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	HAMILTON SUNSTRAND CORPORATION	201454124	132,633	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	HENNINGSON, DURHAM & RICHARDSON P.C.	HDR MSA 100030000780, TO 6	(381)	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	HRL LABORATORIES, LLC	21004-213644-QS	226,343	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	HRL LABORATORIES, LLC	A22-2485	336,317	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	INSTITUTE OF GAS TECHNOLOGY	S1223	117,944	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	INTEL CORPORATION	CW2077960	303,587	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	INTELLIGENT OPTICAL SYSTEMS, INC.	IOS #3304	66,886	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	IOWA STATE UNIVERSITY	W912H221C0050	82,970	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1671641	269,617	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	JETZERO, INC.	JZI-224567	35,873	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	134841	28,836	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	KITWARE, INC.	K003623-00-501	334,628	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	KITWARE, INC.	K003868-00-501	39,571	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B645188	77,394	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B656480	127,473	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	LINCOLN LABORATORY	7000543737	38,995	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	20200439	12,790	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	PO 70000569902	50,463	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	SS013	188,546	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	MAXENTRIC TECHNOLOGIES LLC	Sub UCSD-3948-1 (FA8750-20-C-1)	(35)	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	MAYACHITRA, INC.	UCS8-14-C-0333	6,297	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	MAYBELL QUANTUM INDUSTRIES	22-001	41,179	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	MEDICAL TECHNOLOGY ENTERPRISE CONSORTIUM	2023-391	24,374	
12.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	MEDICAL TECHNOLOGY ENTERPRISE CONSORTIUM	MTEC-20-12-COVID19-D-023	1,010,710	
12.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	MEDPACE, INC.	AKB-9778-CI-6001	8,015	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	MID-ATLANTIC EPILEPSY & SLEEP CENTER, LLC	A20-4167	7,355	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	MILITARY HEALTH RESEARCH FOUNDATION	FA8650-20-2-6104	97,093	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	MILITARY HEALTH RESEARCH FOUNDATION	W81XWH1820072	114,726	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	MILITARY HEALTH RESEARCH FOUNDATION	W81XWH-20-1-0180	606	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	MONDE WIRELESS INC.	MW2022-01	8,226	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL UNIVERSITY OF SINGAPORE	RL2016-157	(3,155)	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	NEAR EAST SOUTH ASIA CENTER FOR STRATEGIC STUDIES	N68335-21-C-0818	176,071	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	NEXUS PHOTONICS, INC.	FA8649-21-P-0958	122,357	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	NEXUS PHOTONICS, INC.	HR001120C0135_Sub	451,516	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	NEXUS PHOTONICS, INC.	HR001122C0017UCLA	1,046,362	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	NORTHEASTERN UNIVERSITY	S04174-78051	47,786	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	NORTHEASTERN UNIVERSITY	S05219-78050	56,189	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	NORTHROP GRUMMAN CORPORATION	PO# 5300012899	193,550	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	NVIDIA CORPORATION	A18-1587	92,836	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	OCEANIT LABORATORIES, INC.	SB220013	29,820	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	OPTO-KNOWLEDGE SYSTEMS, INC.	289-UCLA	71,966	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	OXFORD DEFENSE NORTH CAROLINA LLC	140DD422C0006	109,373	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	PALO ALTO RESEARCH CENTER LLC	P316754	192,274	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	2023-JU-3136	37,810	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	S23-11	46,855	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	W911W6-21-2-0002	78,192	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	PERATON LABS INC.	PO-0A23033	223,251	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	PI RADIO INC.	SB220194	17,138	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	POLARIS PROPULSION LABS INC.	FA9300-19-P-1012	(17)	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	PPG INDUSTRIES	052207	126,614	

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12.RD	FEDERAL CONTRACTS		PASS THROUGH	PURDUE UNIVERSITY	13000844-035	121,671	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	RADIABEAM TECHNOLOGIES, LLC	20204571	164	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	RE2 INC.	19-400-0001-2008-STAR-UCLA	86,593	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	3-312-0218812-67241L	13,812	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	RICE UNIVERSITY	R18719	148,215	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	D9203-025A952A05A974A7802	107,903	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SECONDWAVE SYSTEMS, INC.	30139860	(6,372)	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SECONDWAVE SYSTEMS, INC.	Sub 30071551(2020-470)	215,221	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SEMI	20212868	411,093	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SEMI	RFP-19-183	(780)	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SEMICONDUCTOR RESEARCH CORPORATION	2018-JU-2778	5,923,620	3,289,653
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SIEMENS CORPORATION	207-01	102,160	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SILATRONIX, INC.	N00014-21-C-1075	120,237	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SMITHSONIAN/WOODROW WILSON INTERNATIONAL CENTER FOR SCHOLARS	052554	5,756	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SPR THERAPEUTICS, INC	20192736	232,019	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SRI INTERNATIONAL	K01TW011187-05	169,789	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SRI INTERNATIONAL	LM-30284-UCLA:4	189,893	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SRI INTERNATIONAL	PO37364	102,875	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SYSTEMS & TECHNOLOGY RESEARCH LLC	2022-0011	144,305	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	SYSTEMS & TECHNOLOGY RESEARCH LLC	2022-0030	46,802	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	TELEDYNE SCIENTIFIC & IMAGING LLC	PO00166990	156,224	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	TELEDYNE SCIENTIFIC & IMAGING LLC	PO00170662	136,066	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	TELEDYNE SCIENTIFIC & IMAGING LLC	PO00170663	86,890	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	TOYON RESEARCH CORPORATION	SC212C2421-P1756	89,910	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	TRANSFORM, INC.	W31PAQ-21-C-0009-1	83,039	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	TRANSWAVE PHOTONICS, LLC	SB230066	52,000	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	ULTRA-LOW LOSS TECHNOLOGIES, INC.	SB210043	98,305	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	ULTRA-LOW LOSS TECHNOLOGIES, INC.	SB230079	73,000	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF ALASKA SYSTEM	PO551512	50,306	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF ARIZONA	011401	4,614	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1560821	25,639	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF ILLINOIS CHICAGO	011316	69,236	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00015414	189,653	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00015415	29,880	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF MONTANA	PG23-6A263-01	95,987	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE	012131	16,974	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	203278UCB	379,340	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	203278UCSB-Mishra	131,099	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF OREGON	251820A	23,359	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF OXFORD	HR0011-20-2-028	36,392	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	013065	274,266	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00002770	15,587	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF ST ANDREWS	N3943019C2176	(11,471)	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF VIRGINIA	GI18518.156870	123,006	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	VANDERBILT UNIVERSITY	HR00112190135	321,230	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	VANDERBILT UNIVERSITY	HR00112290115	103,668	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	VANDERBILT UNIVERSITY	UNIV60701	148,210	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	WASHINGTON STATE UNIVERSITY	W912HQ19C0065	26,495	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	MRIGLOBAL	812-111161-3	6,009	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE	F302962-1	3,212	
12.RD	FEDERAL CONTRACTS		PASS THROUGH	AGILE MATERIALS AND TECHNOLOGIES, INC.	SB100023	11,397	
13.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	HST-GO-16501.002-A	101,359	
14.506	GENERAL RESEARCH AND TECHNOLOGY ACTIVITY		DIRECT	DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD)		274,993	225,506
14.536	RESEARCH AND EVALUATIONS, DEMONSTRATIONS, AND DATA ANALYSIS AND UTILIZATION		DIRECT	DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT (HUD)		142,438	
14.536	RESEARCH AND EVALUATIONS, DEMONSTRATIONS, AND DATA ANALYSIS AND UTILIZATION		PASS THROUGH	URBANSIM INC.	053136	(15,541)	
14.900	LEAD-BASED PAINT HAZARD CONTROL IN PRIVATELY-OWNED HOUSING		PASS THROUGH	OHIO STATE UNIVERSITY	GR122800/SPC-1000004625	34,326	
14.RD	FEDERAL CONTRACTS		PASS THROUGH	2M RESEARCH SERVICES LLC	2022-HUD-10222	22,037	
15.015	GOOD NEIGHBOR AUTHORITY		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		35,228	
15.231	FISH, WILDLIFE AND PLANT CONSERVATION RESOURCE MANAGEMENT (DELETED IN 2020)		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		42,645	
15.232	JOINT FIRE SCIENCE PROGRAM		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		143,406	
15.232	JOINT FIRE SCIENCE PROGRAM		PASS THROUGH	THE WELLCOME TRUST	L0238A-A	22,210	

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15.233	FOREST AND WOODLANDS RESOURCE MANAGEMENT		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		1,175	
15.245	PLANT CONSERVATION AND RESTORATION MANAGEMENT		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		34,138	
15.246	THREATENED AND ENDANGERED SPECIES		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		492,436	32,298
15.247	WILDLIFE RESOURCE MANAGEMENT		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		104,845	67,221
15.248	NATIONAL LANDSCAPE CONSERVATION SYSTEM		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		24,759	
15.423	BUREAU OF OCEAN ENERGY MANAGEMENT (BOEM) ENVIRONMENTAL STUDIES (ES)		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)			1,002,781
15.504	TITLE XVI WATER RECLAMATION AND REUSE		PASS THROUGH	CALIFORNIA DELTA STEWARDSHIP COUNCIL	DSC-21023	60,433	180,657
15.504	TITLE XVI WATER RECLAMATION AND REUSE		PASS THROUGH	CALIFORNIA TROUT, INC.	06-001544	68,721	
15.506	WATER DESALINATION RESEARCH AND DEVELOPMENT		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		117,756	
15.506	WATER DESALINATION RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	1559200	183	
15.512	CENTRAL VALLEY IMPROVEMENT ACT, TITLE XXXIV		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		6,739,623	25,050
15.512	CENTRAL VALLEY IMPROVEMENT ACT, TITLE XXXIV		PASS THROUGH	CALIFORNIA DELTA STEWARDSHIP COUNCIL	18204	257,022	70,357
15.512	CENTRAL VALLEY IMPROVEMENT ACT, TITLE XXXIV		PASS THROUGH	CALIFORNIA DELTA STEWARDSHIP COUNCIL	A20-0088-001	121,955	
15.512	CENTRAL VALLEY IMPROVEMENT ACT, TITLE XXXIV		PASS THROUGH	CALIFORNIA DELTA STEWARDSHIP COUNCIL	DSC-21011	148,393	
15.512	CENTRAL VALLEY IMPROVEMENT ACT, TITLE XXXIV		PASS THROUGH	CALIFORNIA DELTA STEWARDSHIP COUNCIL	R20AC00121	74,041	
15.514	RECLAMATION STATES EMERGENCY DROUGHT RELIEF		PASS THROUGH	EL DORADO COUNTY WATER AGENCY	SA20-5211-01	5,952	
15.514	RECLAMATION STATES EMERGENCY DROUGHT RELIEF		PASS THROUGH	EL DORADO COUNTY WATER AGENCY	Y20-5211	87,852	
15.517	FISH AND WILDLIFE COORDINATION ACT		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		1	
15.521	LOWER RIO GRANDE VALLEY WATER RESOURCES CONSERVATION AND IMPROVEMENT		PASS THROUGH	CALIFORNIA DELTA STEWARDSHIP COUNCIL	A20-0733-001		(16,786)
15.530	WATER CONSERVATION FIELD SERVICES (WCFS)		PASS THROUGH	METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA	010196	4,814	
15.530	WATER CONSERVATION FIELD SERVICES (WCFS)		PASS THROUGH	METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA	191248	5,434	
15.533	CALIFORNIA WATER SECURITY AND ENVIRONMENTAL ENHANCEMENT		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		74,032	
15.554	COOPERATIVE WATERSHED MANAGEMENT		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		132,804	
15.557	APPLIED SCIENCE GRANTS		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		9,667	
15.560	SECURE WATER ACT - RESEARCH AGREEMENTS		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		142,291	5,005
15.564	CENTRAL VALLEY PROJECT CONSERVATION		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		501,237	
15.608	FISH AND WILDLIFE MANAGEMENT ASSISTANCE		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		16,034	
15.614	COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION PROGRAM		PASS THROUGH	CALIFORNIA STATE COASTAL CONSERVANCY	16-044		(24,061)
15.615	COOPERATIVE ENDANGERED SPECIES CONSERVATION FUND		PASS THROUGH	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	012969	36,078	
15.615	COOPERATIVE ENDANGERED SPECIES CONSERVATION FUND		PASS THROUGH	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	P2081014	55,705	
15.615	COOPERATIVE ENDANGERED SPECIES CONSERVATION FUND		PASS THROUGH	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	Q1940402	61	
15.615	COOPERATIVE ENDANGERED SPECIES CONSERVATION FUND		PASS THROUGH	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	Q1982002	32,515	1,976
15.615	COOPERATIVE ENDANGERED SPECIES CONSERVATION FUND		PASS THROUGH	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	Q2140401	65,868	
15.615	COOPERATIVE ENDANGERED SPECIES CONSERVATION FUND		PASS THROUGH	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	Q2280112	21,550	
15.630	COASTAL		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		6,357	
15.634	STATE WILDLIFE GRANTS		PASS THROUGH	ALASKA DEPARTMENT OF FISH AND GAME	COOP-23-062	3,880	
15.634	STATE WILDLIFE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	Q2240401	36,651	1,941
15.634	STATE WILDLIFE GRANTS		PASS THROUGH	FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION	20006	59,292	
15.648	CENTRAL VALLEY PROJECT IMPROVEMENT ACT (CVPIA)		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		35,647	
15.654	NATIONAL WILDLIFE REFUGE SYSTEM ENHANCEMENTS		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		7,522	
15.657	ENDANGERED SPECIES RECOVERY IMPLEMENTATION		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		549,711	
15.657	ENDANGERED SPECIES RECOVERY IMPLEMENTATION	COVID-19	PASS THROUGH	AMERICAN ASSOCIATION OF ZOOLOGICAL PARKS AND AQUARIUMS	054892	21,414	
15.657	ENDANGERED SPECIES RECOVERY IMPLEMENTATION		PASS THROUGH	ZOOLOGICAL SOCIETY OF SAN DIEGO	20223569	11,965	
15.657	ENDANGERED SPECIES RECOVERY IMPLEMENTATION		PASS THROUGH	ZOOLOGICAL SOCIETY OF SAN DIEGO	A21-0829	92,241	44,746
15.658	NATURAL RESOURCE DAMAGE ASSESSMENT AND RESTORATION		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		43,179	
15.660	CANDIDATE SPECIES CONSERVATION		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		33,996	
15.664	FISH AND WILDLIFE COORDINATION AND ASSISTANCE		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		128,434	
15.670	ADAPTIVE SCIENCE		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		23,116	
15.678	COOPERATIVE ECOSYSTEM STUDIES UNITS		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		736,351	
15.683	PRESCOTT MARINE MAMMAL RESCUE ASSISTANCE		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		74,806	
15.805	ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		286,359	56,870
15.807	EARTHQUAKE HAZARDS PROGRAM ASSISTANCE		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		1,219,002	
15.807	EARTHQUAKE HAZARDS PROGRAM ASSISTANCE		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	118063052	(813)	
15.807	EARTHQUAKE HAZARDS PROGRAM ASSISTANCE		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00002292	44,857	
15.807	EARTHQUAKE HAZARDS PROGRAM ASSISTANCE		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00002302	3,733	
15.808	U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		5,295,068	
15.808	U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	HST-GO-14884.002-A	37,009	
15.808	U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00003771	10,381	
15.808	U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00003772	20,753	
15.808	U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00003895	35,122	
15.808	U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SUB00003407	12,460	

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15.815	NATIONAL LAND REMOTE SENSING EDUCATION OUTREACH AND RESEARCH		PASS THROUGH	AMERICAVIEW	AV18-CA-01	21,136	
15.820	NATIONAL AND REGIONAL CLIMATE ADAPTATION SCIENCE CENTERS		PASS THROUGH	UNIVERSITY OF ARIZONA	478582	(11,714)	
15.820	NATIONAL AND REGIONAL CLIMATE ADAPTATION SCIENCE CENTERS		PASS THROUGH	UNIVERSITY OF ARIZONA	629236	54,912	
15.820	NATIONAL AND REGIONAL CLIMATE ADAPTATION SCIENCE CENTERS		PASS THROUGH	UNIVERSITY OF ARIZONA	485764	29,316	
15.820	NATIONAL AND REGIONAL CLIMATE ADAPTATION SCIENCE CENTERS		PASS THROUGH	UNIVERSITY OF ARIZONA	629235	29,316	
15.820	NATIONAL AND REGIONAL CLIMATE ADAPTATION SCIENCE CENTERS		PASS THROUGH	UNIVERSITY OF ARIZONA	G18AC00320	55,584	
15.820	NATIONAL AND REGIONAL CLIMATE ADAPTATION SCIENCE CENTERS		PASS THROUGH	UNIVERSITY OF ARIZONA	G19AP00038	6,903	
15.820	NATIONAL AND REGIONAL CLIMATE ADAPTATION SCIENCE CENTERS		PASS THROUGH	UNIVERSITY OF ARIZONA	G21AC10111-00	112,832	
15.820	NATIONAL AND REGIONAL CLIMATE ADAPTATION SCIENCE CENTERS		PASS THROUGH	UNIVERSITY OF ARIZONA	G21AC10513-00	51,913	
15.820	NATIONAL AND REGIONAL CLIMATE ADAPTATION SCIENCE CENTERS		PASS THROUGH	UNIVERSITY OF ARIZONA	G21AC10514-00	9,804	6,245
15.820	NATIONAL AND REGIONAL CLIMATE ADAPTATION SCIENCE CENTERS		PASS THROUGH	UNIVERSITY OF ARIZONA	G22AC00076-00	130,859	48,594
15.820	NATIONAL AND REGIONAL CLIMATE ADAPTATION SCIENCE CENTERS		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1562816	1,857	
15.904	HISTORIC PRESERVATION FUND GRANTS-IN-AID		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		52,594	
15.922	NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		20,250	
15.933	PRESERVATION OF JAPANESE AMERICAN CONFINEMENT SITES		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		194,334	
15.944	NATURAL RESOURCE STEWARDSHIP		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		25,500	
15.944	NATURAL RESOURCE STEWARDSHIP		PASS THROUGH	COOPERATIVE ECOSYSTEM STUDIES UNITS	P21AC10870	(17,000)	
15.945	COOPERATIVE RESEARCH AND TRAINING PROGRAMS – RESOURCES OF THE NATIONAL PARK SYSTEM		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		1,728,199	23,169
15.945	COOPERATIVE RESEARCH AND TRAINING PROGRAMS – RESOURCES OF THE NATIONAL PARK SYSTEM		PASS THROUGH	COOPERATIVE ECOSYSTEM STUDIES UNITS	P22AC01582	51,609	
15.945	COOPERATIVE RESEARCH AND TRAINING PROGRAMS – RESOURCES OF THE NATIONAL PARK SYSTEM		PASS THROUGH	UNIVERSITY OF GEORGIA	P17AC01606	4,373	
15.945	COOPERATIVE RESEARCH AND TRAINING PROGRAMS – RESOURCES OF THE NATIONAL PARK SYSTEM		PASS THROUGH	COOPERATIVE ECOSYSTEM STUDIES UNITS	P21AC10907-00	10,904	
15.954	NATIONAL PARK SERVICE CONSERVATION, PROTECTION, OUTREACH, AND EDUCATION		PASS THROUGH	NATIONAL WRITING PROJECT	92-CA03-NPS2021	3,833	
15.RD	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		746,364	33,744
15.RD	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE	011344	70,895	
15.RD	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA DIVISION OF BOATING AND WATERWAYS	C1370030	19,741	
15.RD	FEDERAL CONTRACTS		PASS THROUGH	NOVATEUR RESEARCH SOLUTIONS LLC	20225609	15,483	
15.RD	FEDERAL CONTRACTS		PASS THROUGH	OREGON DEPARTMENT OF FISH AND WILDLIFE	20232679	23,676	
16.044	FORENSIC TRAINING AND TECHNICAL ASSISTANCE PROGRAM		DIRECT	DEPARTMENT OF JUSTICE (DOJ)		33,206	
16.525	GRANTS TO REDUCE DOMESTIC VIOLENCE, DATING VIOLENCE, SEXUAL ASSAULT, AND STALKING ON CAMPUS		DIRECT	DEPARTMENT OF JUSTICE (DOJ)		108,489	
16.560	NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS		DIRECT	DEPARTMENT OF JUSTICE (DOJ)		1,491,926	287,917
16.560	NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS		PASS THROUGH	COLORADO STATE UNIVERSITY	Sub G-75544-01 (2016-DN-BX-419)	13	
16.560	NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS		PASS THROUGH	JUSTICE AND SECURITY STRATEGIES, INC.	2018-75-CX-0003	41,941	
16.560	NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS		PASS THROUGH	NATIONAL OPINION RESEARCH CENTER	G264.UCI.01	88,464	
16.560	NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS		PASS THROUGH	PRINCETON UNIVERSITY	SUB0000608	51,470	
16.560	NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS		PASS THROUGH	UNIVERSITY OF PITTSBURGH	SUB CNVA00059288 (413841-5)	24,416	
16.754	HAROLD ROGERS PRESCRIPTION DRUG MONITORING PROGRAM		DIRECT	DEPARTMENT OF JUSTICE (DOJ)		107,804	52,939
16.817	INNOVATIONS IN COMMUNITY-BASED CRIME REDUCTION		PASS THROUGH	LOCAL INITIATIVES SUPPORT CORPORATION	52441-001	19,782	
16.817	INNOVATIONS IN COMMUNITY-BASED CRIME REDUCTION		PASS THROUGH	UNIVERSITY OF ILLINOIS CHICAGO	2015-AJ-BX-K047	15,190	
16.RD	FEDERAL CONTRACTS		PASS THROUGH	LOS ANGELES POLICE FOUNDATION	2014A647	768	
16.RD	FEDERAL CONTRACTS		PASS THROUGH	THE FREDRIC RIEDERS FAMILY RENAISSANCE FOUNDATION	A23-2410	72,087	
17.268	H-1B JOB TRAINING GRANTS		DIRECT	DEPARTMENT OF LABOR (DOL)		2,127,654	1,489,488
17.502	OCCUPATIONAL SAFETY AND HEALTH SUSAN HARWOOD TRAINING GRANTS		DIRECT	DEPARTMENT OF LABOR (DOL)		221,072	
19.019	INTERNATIONAL PROGRAMS TO COMBAT HUMAN TRAFFICKING		PASS THROUGH	END MODERN SLAVERY INITIATIVE FOUNDATION	G14-003-UCLA-220701	33,120	
19.019	INTERNATIONAL PROGRAMS TO COMBAT HUMAN TRAFFICKING		PASS THROUGH	INNOVATIONS FOR POVERTY ACTION	USDOS-20-10001-X1	29,134	
19.021	INVESTING IN PEOPLE IN THE MIDDLE EAST AND NORTH AFRICA		DIRECT	DEPARTMENT OF STATE		32,223	
19.025	U.S. AMBASSADORS FUND FOR CULTURAL PRESERVATION		DIRECT	DEPARTMENT OF STATE		90,677	65,644
19.121	CONFLICT AND STABILIZATION OPERATIONS		DIRECT	DEPARTMENT OF STATE		145,856	
19.221	REGIONAL DEMOCRACY PROGRAM		DIRECT	DEPARTMENT OF STATE		(1,647)	
19.303	DECRYPTING PRC INDUSTRIAL AND TECHNOLOGY POLICY		DIRECT	DEPARTMENT OF STATE		878,167	150,000
19.501	PUBLIC DIPLOMACY PROGRAMS FOR AFGHANISTAN AND PAKISTAN		PASS THROUGH	INSTITUTE OF INTERNATIONAL EDUCATION, INC.	SRFUS04000	17,909	
19.600	BUREAU OF NEAR EASTERN AFFAIRS		PASS THROUGH	HALA SYSTEMS, INC.	HALA-2022-02	35,838	

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19.705	TRANS-NATIONAL CRIME		DIRECT	DEPARTMENT OF STATE		50,289	49,425
19.900	AEECA/ESF PD PROGRAMS		PASS THROUGH	AMERICAN COUNCILS FOR INTERNATIONAL EDUCATION	1018-3	17,183	
19.RD	FEDERAL CONTRACTS		PASS THROUGH	INCORPORATED RESEARCH INSTITUTIONS FOR SEISMOLOGY	SC-19-1098-01-UCSD	14,178	
20.106	AIRPORT IMPROVEMENT PROGRAM		DIRECT	DEPARTMENT OF TRANSPORTATION (DOT)		207,672	
20.108	AVIATION RESEARCH GRANTS		DIRECT	DEPARTMENT OF TRANSPORTATION (DOT)		401,335	
20.109	AIR TRANSPORTATION CENTERS OF EXCELLENCE		DIRECT	DEPARTMENT OF TRANSPORTATION (DOT)		163,168	
20.109	AIR TRANSPORTATION CENTERS OF EXCELLENCE		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S5171 - PO 523807	9,073	
20.200	HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM		DIRECT	DEPARTMENT OF TRANSPORTATION (DOT)		25,415	81,814
20.200	HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM		PASS THROUGH	CONTRA COSTA TRANSPORTATION AUTHORITY	549	3,536	
20.200	HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM		PASS THROUGH	UNIVERSITY OF CINCINNATI	20210466	237,839	
20.200	HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM		PASS THROUGH	VIRGINIA TRANSPORTATION RESEARCH COUNCIL	NCHRP 9-62	12,337	
20.215	HIGHWAY TRAINING AND EDUCATION		DIRECT	DEPARTMENT OF TRANSPORTATION (DOT)		199,759	
20.232	COMMERCIAL DRIVER'S LICENSE PROGRAM IMPLEMENTATION GRANT		PASS THROUGH	UNIVERSITY OF CINCINNATI	13289	28,596	
20.301	RAILROAD SAFETY	COVID-19	DIRECT	DEPARTMENT OF TRANSPORTATION (DOT)		(229)	
20.505	METROPOLITAN TRANSPORTATION PLANNING AND STATE AND NON-METROPOLITAN PLANNING AND RESEARCH		PASS THROUGH	METROPOLITAN TRANSPORTATION AUTHORITY	051873	12,010	
20.530	PUBLIC TRANSPORTATION INNOVATION		PASS THROUGH	CONTRA COSTA TRANSPORTATION AUTHORITY	567	8,711	
20.530	PUBLIC TRANSPORTATION INNOVATION		PASS THROUGH	SAN JOAQUIN REGIONAL TRANSIT DISTRICT	22003-U	44,187	
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		DIRECT	DEPARTMENT OF TRANSPORTATION (DOT)		4,081,985	2,303,529
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		PASS THROUGH	CORNELL UNIVERSITY	79841-10829	193,047	
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		PASS THROUGH	NORTHWESTERN UNIVERSITY	60057004UCB	14,107	
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		PASS THROUGH	OHIO STATE UNIVERSITY	GR121290	50,228	
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	0083768	472,286	
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA SYSTEM	5106575	53,998	
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	2117-9070-00-C and 2117-9075-00-C	661,238	
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	84381457	194,393	
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	012719	43,230	
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	013727	63,633	
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	84377997	293,441	
20.701	UNIVERSITY TRANSPORTATION CENTERS PROGRAM		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00003756	81,851	
20.723	PHMSA PIPELINE SAFETY RESEARCH AND DEVELOPMENT "OTHER TRANSACTION AGREEMENTS"		PASS THROUGH	NORTHEAST GAS ASSOCIATION, INC.	A21-3803	50,409	
20.724	Pipeline Safety Research Competitive Academic Agreement Program (CAAP)		DIRECT	DEPARTMENT OF TRANSPORTATION (DOT)		10,246	
20.817	AIR EMISSIONS AND ENERGY INITIATIVE		DIRECT	DEPARTMENT OF TRANSPORTATION (DOT)		127,417	
20.RD	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF TRANSPORTATION (DOT)		438,675	34,000
20.RD	FEDERAL CONTRACTS		PASS THROUGH	APPLIED PAVEMENT TECHNOLOGY, INC.	693JJ322F00317N	2,362	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	CALTRANS CALIFORNIA DEPARTMENT OF TRANSPORTATION	65A0638	(8)	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	CONTRA COSTA TRANSPORTATION AUTHORITY	568	195,463	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	ICF INTERNATIONAL, INC.	2006172042	38,403	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	LEIDOS, INC.	013789	25,000	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	LEIDOS, INC.	A20-0552-002	10,296	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	LEIDOS, INC.	P010279765:01	56,849	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	s5935	1,568	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL ASPHALT PAVEMENT ASSOCIATION, INC.	A23-0952	47,808	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	SACRAMENTO AREA COUNCIL OF GOVERNMENTS	SACOG Master	5,665	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	SOUTHERN CALIFORNIA ASSOCIATION OF GOVERNMENTS	012342	10,106	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	TRANSPORTATION RESEARCH CENTER INC.	20214041	52,319	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	TRANSPORTATION RESEARCH CENTER INC.	693JJ921D000018	199,446	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF CINCINNATI	013809-00002	304,105	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	108130-29833201	219,839	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	109962-29840201	28,240	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	116300-29973201	25,384	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	84380215	338,475	
20.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00002197	17,307	
21.019	CORONAVIRUS RELIEF FUND		PASS THROUGH	CITY OF SANTA ANA	A-2020-158-36	(2,011)	
21.RD	FEDERAL CONTRACTS		PASS THROUGH	CHILDREN'S INSTITUTE, INC	20212576	(11)	
21.RD	FEDERAL CONTRACTS		PASS THROUGH	CITY OF OXNARD	A-8398	151,834	
21.RD	FEDERAL CONTRACTS		PASS THROUGH	MITRE CORPORATION, THE	MSA-000021/1160379	3,991	
27.011	INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM		DIRECT	OFFICE OF PERSONNEL MANAGEMENT (OPM)		46,779	
39.RD	FEDERAL CONTRACTS	COVID-19	DIRECT	GENERAL SERVICES ADMINISTRATION		6,387	
43.001	SCIENCE		DIRECT	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION		203,443	76,637
43.001	SCIENCE		PASS THROUGH	ARIZONA STATE UNIVERSITY	A16-0487	55,989,564	7,013,186
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	010021	71,471	
43.001	SCIENCE					9,962	

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43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	010874	16,890	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	011509	1,231	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	013015	11,744	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	64580540/64580544:4	170,753	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A18-0596-001	(217)	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A18-0610-005	1,098	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A18-0613-001	12,188	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A18-0624-001	(318)	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A19-0649	189,331	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A19-0690	19,215	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A19-0757-001	(404)	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A20-0426	29,129	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A20-0577-001	(5,747)	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A20-0587-001	5,183	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A20-0588-001	(807)	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A20-0662-001	2,199	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A20-0750-001	454	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A21-0024-001	(404)	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A21-0315-001	1,456	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A21-0411	49,336	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A21-0553-001	208	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A21-0558-001	14,998	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A21-0561-001	20,883	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A21-0563-001	22,796	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A22-0450-001	59,482	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A22-0553-001	44,161	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A22-0584-001	22,844	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A22-0585-001	64,114	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A22-0587-001	130,384	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A22-0701-001	50,005	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A22-0702-001	24,222	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A22-0708-001	32,817	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A22-0799-001	9,992	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A23-0008-001	8,791	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A23-0009-001	4,090	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A23-0011-001	166,360	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A23-0013-001	10,286	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A23-0014	60,356	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A23-0420-001	88,952	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A23-0709-001	20,951	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A23-0711-001	30,348	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A24-0069-001	1,442	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-15801.001-A	4,214	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-15804.005-A	41,637	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-15809.001-A	54,969	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-14894.004-A	14,729	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15096.003-A	1,727	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15115.002-A	6,077	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15199.001-A	14,200	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15212.007-A	28,125	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15226.002-A	(1,122)	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15652.001-A	96,548	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15652.005-A	9,228	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15706.002-A	(81)	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15902.033-A	82,669	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15923.002-A	4,499	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15972.001-A	1,304	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16004.001-A	12,342	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16009.001-A	(44)	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16041.001-A	20,096	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16073.002-A	27,905	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16087.001-A	(1,073)	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16192.002-A	57,299	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16204.005-A	4,419	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16463.001-A	15,887	

**University of California**  
**Schedule of Expenditures of Federal Awards**

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16667.004-A	20,230	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-HF2-51488.001-A	10,245	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	JWST-GO-02107.006-A	131,519	
43.001	SCIENCE		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	Sub STSci-52358 (80NS)	41,587	
43.001	SCIENCE		PASS THROUGH	BANPIL PHOTONICS, INC.	A22-1801	40,838	
43.001	SCIENCE		PASS THROUGH	BIGELOW LABORATORY FOR OCEAN SCIENCES	BLOS 17-001	(320)	
43.001	SCIENCE		PASS THROUGH	BOISE STATE UNIVERSITY	8974-PO137171	178,132	
43.001	SCIENCE		PASS THROUGH	BOISE STATE UNIVERSITY	9998-PO139411	36,455	
43.001	SCIENCE		PASS THROUGH	BOSTON UNIVERSITY	4500003664	196,263	
43.001	SCIENCE		PASS THROUGH	BROWN UNIVERSITY	00001997	100,894	
43.001	SCIENCE		PASS THROUGH	BUBBLELOGY RESEARCH INTERNATIONAL, LLC	218087	23,458	
43.001	SCIENCE		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	011169	43,595	
43.001	SCIENCE		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	80NSCI19M0129	22,242	
43.001	SCIENCE		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S437620	2,823	
43.001	SCIENCE		PASS THROUGH	CALIFORNIA STATE UNIVERSITY SAN MARCOS CORPORATION	85300-UCB	124,464	
43.001	SCIENCE		PASS THROUGH	CLEMSON UNIVERSITY	2151-204-2013427	49,971	
43.001	SCIENCE		PASS THROUGH	COLORADO STATE UNIVERSITY	G-96614-01	86,651	
43.001	SCIENCE		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG016257)	127,486	
43.001	SCIENCE		PASS THROUGH	COLUMBIA UNIVERSITY	4(GG016372-01)	497,613	
43.001	SCIENCE		PASS THROUGH	COLUMBIA UNIVERSITY	5(GG016372-01)	472,726	
43.001	SCIENCE		PASS THROUGH	CORNELL UNIVERSITY	142075-21986	194,817	
43.001	SCIENCE		PASS THROUGH	DARTMOUTH COLLEGE	R1443	106,608	
43.001	SCIENCE		PASS THROUGH	DREXEL UNIVERSITY	950019	130,463	
43.001	SCIENCE		PASS THROUGH	DREXEL UNIVERSITY	950067	5,070	
43.001	SCIENCE		PASS THROUGH	EARTH AND SPACE RESEARCH	ESR 2021-274	23,266	
43.001	SCIENCE		PASS THROUGH	EARTH AND SPACE RESEARCH	ESR-2016-224-UCSD	(656)	
43.001	SCIENCE		PASS THROUGH	FLORIDA GULF COAST UNIVERSITY	20113-JCB-01	2,444	
43.001	SCIENCE		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	011723	13,642	
43.001	SCIENCE		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	AWD-000836-G1	40,335	
43.001	SCIENCE		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	AWD-002988-G1	14,891	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	655371	179	
43.001	SCIENCE	COVID-19	PASS THROUGH	JET PROPULSION LABORATORY	1524322	121,681	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1568910	(4,814)	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1612013	9,835	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1673515	116,362	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1674228	75,330	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1690095	1,518	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1401886	102,106	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1512986	1,080,615	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1523995	19,589	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1537426	84,604	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1556185	722	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1564598	41,170	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1643024	1	
43.001	SCIENCE	COVID-19	PASS THROUGH	JET PROPULSION LABORATORY	1647964	759	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1659075	238	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1671172	44,355	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1675074	18,924	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1678099	4,041	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1687803	1,240	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1688780	23,874	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1689093	43,652	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1689148	4,061	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1689244	10,113	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	1692245	28,142	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	A16-0081	16,419	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	A20-0625	32,672	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	A21-0634	7,885	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	A23-0786-001	15,595	
43.001	SCIENCE		PASS THROUGH	JET PROPULSION LABORATORY	Sub 1656366 (Formerly 1642277)	494	
43.001	SCIENCE		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	132224	98,821	
43.001	SCIENCE		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	168014	82,143	
43.001	SCIENCE		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	178856	97,500	
43.001	SCIENCE		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	179518	3,270	
43.001	SCIENCE		PASS THROUGH	KANSAS STATE UNIVERSITY	A20-0571-5001	89,829	

**University of California**  
**Schedule of Expenditures of Federal Awards**

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43.001	SCIENCE		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003020		(701)
43.001	SCIENCE		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	A22-0210		13,752
43.001	SCIENCE		PASS THROUGH	MCLEAN HOSPITAL	401498		13,278
43.001	SCIENCE		PASS THROUGH	MONTANA STATE UNIVERSITY	G241-19-W7767		28,630
43.001	SCIENCE		PASS THROUGH	MONTEREY BAY AQUARIUM RESEARCH INSTITUTE	A20-0161		59,565
43.001	SCIENCE		PASS THROUGH	NEW JERSEY INSTITUTE OF TECHNOLOGY	5U01MH114829-05-R1		76,550
43.001	SCIENCE		PASS THROUGH	NEW JERSEY INSTITUTE OF TECHNOLOGY	997433		36,973
43.001	SCIENCE		PASS THROUGH	NEW JERSEY INSTITUTE OF TECHNOLOGY	997562		40,056
43.001	SCIENCE		PASS THROUGH	NEW MEXICO STATE UNIVERSITY	A22-0528-001		473
43.001	SCIENCE		PASS THROUGH	NEW MEXICO STATE UNIVERSITY	SUB Q02252 (80NSSC21K0551 )		48,250
43.001	SCIENCE		PASS THROUGH	NORTHWEST RESEARCH ASSOCIATES, INC.	NWRA-20-S-213		20,773
43.001	SCIENCE		PASS THROUGH	OHIO STATE UNIVERSITY	GR125287 SPC1000005984		120,776
43.001	SCIENCE		PASS THROUGH	OREGON STATE UNIVERSITY	NS355B-B		138,540
43.001	SCIENCE		PASS THROUGH	PLANETARY SCIENCE INSTITUTE	1705-UCLA		17,231
43.001	SCIENCE		PASS THROUGH	POINT BLUE CONSERVATION SCIENCE	2197-UM-1		102,063
43.001	SCIENCE		PASS THROUGH	PREDICTIVE SCIENCE INC.	92820NAPR10-UCB		(4,375)
43.001	SCIENCE		PASS THROUGH	PRINCETON UNIVERSITY	SUB80000560		70,911
43.001	SCIENCE		PASS THROUGH	PURDUE UNIVERSITY	012065		69,003
43.001	SCIENCE		PASS THROUGH	RESEARCH FOUNDATION OF THE CITY UNIVERSITY OF NEW YORK	80NSC22K0152		111,865
43.001	SCIENCE		PASS THROUGH	RICE UNIVERSITY	80NSC18K0828		158,821
43.001	SCIENCE		PASS THROUGH	RICE UNIVERSITY	R53822		73,933
43.001	SCIENCE		PASS THROUGH	ROCHESTER INSTITUTE OF TECHNOLOGY	31967-01		24,270
43.001	SCIENCE		PASS THROUGH	ROCHESTER INSTITUTE OF TECHNOLOGY	32744-02		19,903
43.001	SCIENCE		PASS THROUGH	ROCHESTER INSTITUTE OF TECHNOLOGY	32804-02		11,832
43.001	SCIENCE		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	1947		4,123
43.001	SCIENCE		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	013330		4,947
43.001	SCIENCE		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	SUB 0643 (80NSSC18M0093)		121,241
43.001	SCIENCE		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	A19-0729		9,202
43.001	SCIENCE		PASS THROUGH	SEA-BIRD ELECTRONICS, INC.	F2020-002		63,936
43.001	SCIENCE		PASS THROUGH	SETI INSTITUTE	013219		46,296
43.001	SCIENCE		PASS THROUGH	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO2-23053X		10,347
43.001	SCIENCE		PASS THROUGH	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO3-24006X		13,418
43.001	SCIENCE		PASS THROUGH	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO9-20054C		22,729
43.001	SCIENCE		PASS THROUGH	SMITHSONIAN INSTITUTE	G01-22137X		19,709
43.001	SCIENCE		PASS THROUGH	SOUTHWEST RESEARCH INSTITUTE	699046X		226,815
43.001	SCIENCE		PASS THROUGH	SOUTHWEST RESEARCH INSTITUTE	80NSC21K1988		47,649
43.001	SCIENCE		PASS THROUGH	SOUTHWEST RESEARCH INSTITUTE	A21-0742-001		9,915
43.001	SCIENCE		PASS THROUGH	SOUTHWEST RESEARCH INSTITUTE	M99019CAC		12,733
43.001	SCIENCE		PASS THROUGH	SOUTHWEST RESEARCH INSTITUTE	M99056DS		40,419
43.001	SCIENCE		PASS THROUGH	SOUTHWEST RESEARCH INSTITUTE	Sub N99059EH (80GSFC18C0014)		89,550
43.001	SCIENCE		PASS THROUGH	SRI INTERNATIONAL	PO36751		50,147
43.001	SCIENCE		PASS THROUGH	STANFORD UNIVERSITY	62356549-145590		43,207
43.001	SCIENCE		PASS THROUGH	STANFORD UNIVERSITY	62962513-244464		274,180
43.001	SCIENCE		PASS THROUGH	STANFORD UNIVERSITY	A00-1350		132,617
43.001	SCIENCE		PASS THROUGH	STANFORD UNIVERSITY	A20-0432-004		6,057
43.001	SCIENCE		PASS THROUGH	STANFORD UNIVERSITY	A22-0657-001		18,915
43.001	SCIENCE		PASS THROUGH	STATE OF MONTANA	30073675		74,208
43.001	SCIENCE		PASS THROUGH	STATE UNIVERSITY OF NEW YORK	1169651-2-91932		168,107
43.001	SCIENCE		PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	M2300680		177
43.001	SCIENCE		PASS THROUGH	THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY LLC	012577		48,498
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	80NSC21K0285		77,340
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	A21-0665-001		9,459
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	A22-0636		28,986
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	A23-0678-001		22,524
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	AR2-23007X		31,579
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	DD0-21114A		(9)
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO0-21066A		43,876
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO1-22062A		10,137
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO1-22075A		77,980
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO1-22138X		55,630
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO2-23039X		2,192
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO2-23057X		31,899
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO2-23058X		24,561
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO9-20058C		(123)
43.001	SCIENCE		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO9-20060C		20,581

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
43.001	SCIENCE		PASS THROUGH	THE UNIVERSITY OF ALABAMA	2021-1332	40,634	
43.001	SCIENCE		PASS THROUGH	THE UNIVERSITY OF ALABAMA	A00-513-S001	(11)	
43.001	SCIENCE		PASS THROUGH	UNIVERSITIES SPACE RESEARCH ASSOCIATION	07-0239	(381)	
43.001	SCIENCE		PASS THROUGH	UNIVERSITIES SPACE RESEARCH ASSOCIATION	NNA17BF53C	8,969	
43.001	SCIENCE		PASS THROUGH	UNIVERSITIES SPACE RESEARCH ASSOCIATION	sub 08-0086 (NNA17BF53C)	16,479	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	SUBAWD003763	6,371	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	UCAR Subaward 002494	47,869	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF ALASKA SYSTEM	UA22-0055	31,566	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF ALASKA SYSTEM	UAF 20-0029	34,752	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF ALASKA SYSTEM	UAF 20-0056	28,736	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF ARIZONA	010750	14,435	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF ARIZONA	596840	3,605	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF ARIZONA	700369	9,966	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF ARIZONA	A16-0505	103,210	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF ARIZONA	A20-0166	20,381	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF ARIZONA	A20-0436	12,181	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF ARIZONA	A21-0417	49,962	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF CENTRAL FLORIDA	012070	186,231	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF CENTRAL FLORIDA	A21-0467-001	8,996	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF CENTRAL FLORIDA	GR102610	49,931	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF CHICAGO	A21-0449	124,498	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	011523	4,680	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1559618	18,034	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1562246	11,547	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1563149	4,187	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	A22-0581-001	38,577	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY19-977.001	45,390	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	1546525	113,873	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	1554053	27	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	1556906	(17)	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	1557517	35	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	1557867	33,916	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	1559320	11,041	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	1559841	337,200	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF DELAWARE	48247	25,058	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF DELAWARE	58185	38,911	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF DELAWARE	A19-0541	45,734	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF DELAWARE	UDR0000141	63,613	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF FLORIDA	A20-0434	41,575	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF HAWAII SYSTEM	MA1306	1,976	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF HOUSTON	5U54DK120342-05	9,802	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF HOUSTON	R-20-0013	62,950	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF HOUSTON	R-23-0005	90,987	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF IOWA	1001745125	(165)	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF IOWA	S00973-01	222,163	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF IOWA	S01117-01	28,460	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF IOWA	S01120-01	(22,446)	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF IOWA	S01390-01	49,200	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF IOWA	S01485-01	86,971	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MAINE SYSTEM	UMS1282	262,038	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	113968-Z6440201	18,870	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	54296-Z6059207	121,919	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	78798-Z6199202	25,327	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	87923-Z6267203	51,546	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	NASA0095-01	32,320	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	SUB 79032-Z6208201(80NSSC19K05)	16,739	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	B000768569	1,453	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00017342	64,047	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MINNESOTA	A008844101	9,386	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MINNESOTA	A008969901	43,271	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MINNESOTA	A009928901	555,784	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MINNESOTA	P008686901	313,002	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MINNESOTA	Sub A007249101 (80NSSC19K0858)	23,636	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MISSOURI	C00077406-3	242,491	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF MISSOURI	C00077406-4(80NSSC21K0596)	114,057	

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43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF NEW HAMPSHIRE	06-001	507,340	10,245
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF NEW HAMPSHIRE	L0150	325	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF NEW MEXICO	011519	15,413	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	118063018	3,717	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	80NSC19K0739	12,347	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF TEXAS AT ARLINGTON	2019GC0724	5,278	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF TEXAS AT ARLINGTON	2021GC0619	35,670	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	A17-0561	1,950	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	A21-0421	22,644	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTA19-000493	18,590	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTA21-000438	60,916	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTAUS-SUB00000621	61,147	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF TEXAS AT DALLAS	1705881	5,256	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF TEXAS AT DALLAS	1806773	8,480	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF TEXAS AT DALLAS	22010677	1,755	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	1288	221,798	
43.001	SCIENCE		PASS THROUGH	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	426717-19910	10,497	
43.001	SCIENCE		PASS THROUGH	WEST VIRGINIA UNIVERSITY	21-481-UCLA	2,744	
43.001	SCIENCE		PASS THROUGH	WEST VIRGINIA UNIVERSITY	21-499-UCB	153,104	
43.001	SCIENCE		PASS THROUGH	WESTED	S-00019052	31,186	
43.001	SCIENCE		PASS THROUGH	WESTED	S00030264.0	81,838	
43.001	SCIENCE		PASS THROUGH	WOODS HOLE OCEANOGRAPHIC INSTITUTION	A101564	90,742	
43.001	SCIENCE		PASS THROUGH	WOODS HOLE OCEANOGRAPHIC INSTITUTION	A101585/23016901	55,145	
43.001	SCIENCE		PASS THROUGH	WOODS HOLE OCEANOGRAPHIC INSTITUTION	A18-0503	78,346	
43.001	SCIENCE		PASS THROUGH	WOODS HOLE OCEANOGRAPHIC INSTITUTION	A21-0224	37,124	
43.001	SCIENCE		PASS THROUGH	UNIVERSITY AT BUFFALO (A STATE UNIVERSITY OF NEW YORK CAMPUS)	R1264148	23,703	
43.002	AERONAUTICS	DIRECT	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION			1,846,219	872,602
43.002	AERONAUTICS	PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	NCC9-58-81		(186)	
43.002	AERONAUTICS	PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S403570		915,300	
43.002	AERONAUTICS	PASS THROUGH	STANFORD UNIVERSITY	62508787-176172		87,509	
43.002	AERONAUTICS	PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC12243		36,202	
43.003	EXPLORATION	DIRECT	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION			1,349,348	172,874
43.003	EXPLORATION	PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	7000001678		525,194	
43.003	EXPLORATION	PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	NNX16A069A		(384)	
43.003	EXPLORATION	PASS THROUGH	SOUTHWEST RESEARCH INSTITUTE	J99018CP		191,972	
43.003	EXPLORATION	PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	80NSC21K1140		38,882	
43.003	EXPLORATION	PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	1555630		201,664	
43.007	SPACE OPERATIONS	DIRECT	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION			233,357	
43.008	OFFICE OF STEM ENGAGEMENT (OSTEM)	DIRECT	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION			1,468,126	108,707
43.008	OFFICE OF STEM ENGAGEMENT (OSTEM)	PASS THROUGH	CALIFORNIA STATE UNIVERSITY, NORTHridge	A22-0078-5003		18,294	
43.008	OFFICE OF STEM ENGAGEMENT (OSTEM)	PASS THROUGH	UNIVERSITY OF TEXAS AT SAN ANTONIO	1000003323		66,165	
43.009	SAFETY, SECURITY AND MISSION SERVICES	DIRECT	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION			491	
43.010	CONSTRUCTION & ENVIRONMENTAL COMPLIANCE & REMEDIATION	PASS THROUGH	JET PROPULSION LABORATORY	A21-0644-001		6,516	
43.011	OFFICE OF INSPECTOR GENERAL	DIRECT	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION			47,907	
43.012	SPACE TECHNOLOGY	DIRECT	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION			10,015,187	3,368,186
43.012	SPACE TECHNOLOGY	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-16121.001-A		38,677	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	OREGON STATE UNIVERSITY	U1646A-A		28,219	
43.RD	FEDERAL CONTRACTS	DIRECT	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION			67,061,131	33,086,732
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ARIZONA STATE UNIVERSITY	17-253		42,511	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ARKANSAS TECH UNIVERSITY	063021-a		421	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASHWIN-USHAS CORPORATION	222171		15,241	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	009543		20,512	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	011675		56,866	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	012764		25,816	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	013353		14,933	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	013406		64,933	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	013765		3,119	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-15797.001-A		9,914	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-16120.008-A		38,218	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-16141.001-A		16,491	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-16159.001-A		7,781	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-16608.001-A		47,197	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-16618.001-A		136,411	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-16628.002-A		129,631	
43.RD	FEDERAL CONTRACTS	PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-16640.001-A		68,285	

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-17026.004-A	51,152	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-17030.001-A	1,545	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-17059.001-A	41,964	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-17063.005-A	19,447	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-AR-13937.003-A	6,251	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-14764.002-A	12,491	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-14808.002-A	76,290	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15119.002-A	(5)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15145.003-A	1	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15172.001-A	26,972	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15176.002-A	89,592	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15275.012-A	29,697	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15396.004-A	24,608	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15412.004-A	46,826	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15646.003-A	36,547	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15653.001-A	281,554	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15665.001-A	43,394	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15840.008-A	94,072	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15866.002-A	19,088	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15871.001-A	18,169	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15901.001-A	60,678	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15902.001-A	541,017	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15905.004-A	6,761	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15908.002-A	14,892	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15918.002-A	23,725	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15920.027-A	25,174	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15921.003-A	21,775	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-15936.003-A	32,762	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16053.002-A	61,736	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16057.001-A	19,303	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16074.001-A	10,189	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16075.009-A	4,492	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16084.001-A	18,907	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16178.001-A	20,941	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16179.001-A	6,082	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16187.017-A	17,800	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16189.002-A	9,123	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16198.003-A	4,046	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16226.002-A	5,132	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16258.014-A	28,100	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16267.001-A	80,301	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16292.010-A	89,829	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16293.019-A	42,501	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16317.011-A	18,286	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16318.002-A	(466)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16318.007-A	12,771	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16454.001-A	(1)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16500.010-A	9,452	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16509.006-A	6,501	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16667.008-A	51,433	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16681.001-A	37,624	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16684.004-A	97,856	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16687.002-A	275	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16697.001-A	34,245	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16729.003-A	11,817	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16773.002-A	25,024	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16795.002-A	34,106	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16836.001	3,047	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16880.001-A	12,625	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16886.002-A	12,334	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16904.001-A	38,380	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16913.006-A	16,599	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-17067.001	44,035	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-17114.001-A	9,719	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-17147.002-A	1,920	
COVID-19							

**University of California**  
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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-17212.002-A	10,574	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-17216.002-A	541	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-17275.001-A	3,493	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-HF2-51412.001-A	(2,802)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-HF2-51447.001-A (NASS- 265)	7,760	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-HF2-51461.001-A	112,542	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-HF2-51469.001-A	124,944	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-HF2-51476.001-A	26,141	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-HF2-51509.001-A	97,528	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	JWST-ERS-01334.001-A	32,618	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	JWST-ERS-01373.001-A	69,932	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	JWST-ERS-01386.009-A	14,102	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	JWST-ERS-01386.043-A	47,705	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	JWST-ERS-01386.044-A	19,395	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	JWST-GO-01635.001-A	8,024	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	JWST-GO-01827.001-A	45,808	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	JWST-GO-01914.001-A	11,929	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	JWST-GO-01939.001-A	52,466	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	JWST-GO-01939.004-A	20,440	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	JWST-GO-02073.010-A	299,516	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	JWST-GO-02078.042-A	21,960	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	JWST-GO-02562.004-A	35,446	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	NASS- 03127	84,476	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	NASS-2A21-21576555	2,225	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	R21MH125274-02	42,168	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	Sub HST-GO-16032.001-A	111	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	Sub HST-GO-15461.001-A	90	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	Sub HST-GO-15817.001-A	12	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	SUBK00017687	20,711	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	UTAUS-SUB00000409	50,150	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	HST-GO-16169.001-A ( NASS )	10,762	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ATAC	053510	99,753	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	BANPIL PHOTONICS, INC.	A22-2530	12,137	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S442555	187,073	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S470965	1,581,830	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S574709	841,791	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	SUB 20192971	(2,899)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	COLORADO STATE UNIVERSITY	G-03626-05	4,757	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	FREEDOM PHOTONICS LLC	S7228	36,014	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	HENNINGSON, DURHAM & RICHARDSON P.C.	HDR MSA 1000300000780, TO 5	109,454	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1580267	21,558	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1590158	1	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1591277	262,336	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1596092	14,366	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1599801	(7,352)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1606278	9,966	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1617725	112,196	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1620716	23,763	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1628771	(42)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1629907	23	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1629909	39,612	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1630045	23	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1630317	23	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1630783	23	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1633148	91,389	30,981
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1633687	132,557	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1638198	74,373	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1639120	60	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1641977	66,032	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1642480	330	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1643548	15,874	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1647094	1,399	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1647926	19,522	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1650297	126,502	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1650617	580	

**University of California**  
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43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1650841	7,212	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1651254	5,444	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1651653	102,610	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1652179	(20)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1652181	20	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1652208	(10)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1655497	41,687	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1655580	17,699	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1655725	31,291	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1658425	41,952	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1658427	20,883	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1658485	465	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1659506	43,309	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1660880	67,727	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1662232	3,282	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1663546	(18)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1665525	(97)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1665530	72,105	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1665533	93,137	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1668090	71,742	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1668690	19,843	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1669120	177,864	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1670590	6,513	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1671278	17,407	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1673906	4,548	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1674114	(32)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1674868	12,123	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1675189	2	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1677946	32,044	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1682269	82,162	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1682336	72,207	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1682742	396,259	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1683761	86,793	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1683985	5,000	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1684125	85,346	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1685084	38,268	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1685412	14,558	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1687415	47,591	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1688502	3,539	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1690075	2,643	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1692021	4,295	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1694841	29,318	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	HST-GO-16929.001-A	19,477	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	K08AR072787-05	90,023	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	P015A220145	177,658	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	P015B220146	24,874	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	975268	2,828,674	968,765
43.RD	FEDERAL CONTRACTS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	LAC-263134-02:3	27,969	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	LEONARDO DRS, INC.	Sub 69002159 (80NSSC20K1671)	(16,352)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	LOCKHEED MARTIN CORPORATION	4104670676	29,525	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	MALIN SPACE SCIENCE SYSTEMS, INC.	12-0256	96,154	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	MICROLINK DEVICES, INC.	SB230027	41,112	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	MIRIOS, INC.	A-21-0036-0003	50,867	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	OEWAVES	A21-2123	288,542	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	OPTO-KNOWLEDGE SYSTEMS, INC.	80NSSC21C0374	(2,602)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	OPTO-KNOWLEDGE SYSTEMS, INC.	80NSSC22CA168	50,041	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	OPTO-KNOWLEDGE SYSTEMS, INC.	OKSI 297-AquaFloat Ph II-UCSD	173,279	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	PREDICTIVE SCIENCE INC.	91820NAPR09UCLA	78,206	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	PRINCETON UNIVERSITY	JWST-GO-01837.060-A	8,603	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	PRINCETON UNIVERSITY	SUB80000315	17,390	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	SMITHSONIAN INSTITUTE	SV1-11006	16,217	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	SMITHSONIAN INSTITUTE	SV1-81001	1,220,003	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	SMITHSONIAN INSTITUTE	SV3-83019	143,566	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	SOUTHWEST RESEARCH INSTITUTE	J99010MO	86,637	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	SOUTHWEST RESEARCH INSTITUTE	M99015KJ	211,159	

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43.RD	FEDERAL CONTRACTS		PASS THROUGH	STI LEGACY, INC.	Sub 30055717(80JSC017D0019)	364,363	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	SYSTEMS & PROCESSES ENGINEERING CORPORATION	22122	41,796	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	THE INNOVATION LABORATORY, INC.	053945	40,921	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	TRACLABS INC.	A23-1114	16,013	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	ULTRA-LOW LOSS TECHNOLOGIES, INC.	SB210245	66,100	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITIES SPACE RESEARCH ASSOCIATION	08-0027	2,973	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITIES SPACE RESEARCH ASSOCIATION	09-0023	23,525	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITIES SPACE RESEARCH ASSOCIATION	09-0151	5,188	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITIES SPACE RESEARCH ASSOCIATION	09-0233	28,400	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF ARIZONA	569113	95,182	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1000023229	(5,041)	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1000013136	1,993,346	46,672
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1546525	479,707	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1556355	21,961	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1562617	297,209	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF IOWA	1002081198	3,528,057	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF IOWA	1002082693	1,209,846	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00011436	71,543	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00011437	99,949	
43.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	80NSSC20K0513	57,490	
45.024	PROMOTION OF THE ARTS GRANTS TO ORGANIZATIONS AND INDIVIDUALS	COVID-19	DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		58,672	
45.024	PROMOTION OF THE ARTS GRANTS TO ORGANIZATIONS AND INDIVIDUALS		DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		241,008	
45.129	PROMOTION OF THE HUMANITIES-FEDERAL/STATE PARTNERSHIP		PASS THROUGH	CALIFORNIA HUMANITIES	HFAP20-87	2,000	
45.129	PROMOTION OF THE HUMANITIES-FEDERAL/STATE PARTNERSHIP		PASS THROUGH	CALIFORNIA HUMANITIES	HFAP21-100	10,155	
45.129	PROMOTION OF THE HUMANITIES-FEDERAL/STATE PARTNERSHIP		PASS THROUGH	CALIFORNIA HUMANITIES	HFAQ22-311	1,442	
45.129	PROMOTION OF THE HUMANITIES-FEDERAL/STATE PARTNERSHIP		PASS THROUGH	CALIFORNIA HUMANITIES	HFAQ22-328	4,923	
45.130	PROMOTION OF THE HUMANITIES CHALLENGE GRANTS		DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		(41,941)	
45.149	PROMOTION OF THE HUMANITIES DIVISION OF PRESERVATION AND ACCESS	COVID-19	DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		254,839	
45.149	PROMOTION OF THE HUMANITIES DIVISION OF PRESERVATION AND ACCESS		DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		401,718	
45.149	PROMOTION OF THE HUMANITIES DIVISION OF PRESERVATION AND ACCESS		PASS THROUGH	MICHIGAN STATE UNIVERSITY	013281	37,293	
45.160	PROMOTION OF THE HUMANITIES FELLOWSHIPS AND STIPENDS		DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		24,558	
45.161	PROMOTION OF THE HUMANITIES RESEARCH	COVID-19	DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		571,124	38,091
45.161	PROMOTION OF THE HUMANITIES RESEARCH		DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		2,586	
45.161	PROMOTION OF THE HUMANITIES RESEARCH		PASS THROUGH	THE LIBRARY COMPANY OF PHILADELPHIA	LCP-05667344	20,000	
45.161	PROMOTION OF THE HUMANITIES RESEARCH		PASS THROUGH	UNIVERSITY OF HOUSTON	R220000036	14,910	
45.162	PROMOTION OF THE HUMANITIES TEACHING AND LEARNING RESOURCES AND CURRICULUM DEVELOPMENT	COVID-19	DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		78,458	52,841
45.162	PROMOTION OF THE HUMANITIES TEACHING AND LEARNING RESOURCES AND CURRICULUM DEVELOPMENT		DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		216,589	
45.164	PROMOTION OF THE HUMANITIES PUBLIC PROGRAMS		DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		32,803	
45.164	PROMOTION OF THE HUMANITIES PUBLIC PROGRAMS	COVID-19	PASS THROUGH	NATIONAL WRITING PROJECT	92-CA03-2022BMPU	59,054	
45.164	PROMOTION OF THE HUMANITIES PUBLIC PROGRAMS		PASS THROUGH	SOCIAL SCIENCE RESEARCH COUNCIL	013166	96,189	
45.164	PROMOTION OF THE HUMANITIES PUBLIC PROGRAMS		PASS THROUGH	NATIONAL TRUST FOR HISTORIC PRESERVATION IN THE US	013230	23,925	
45.169	PROMOTION OF THE HUMANITIES OFFICE OF DIGITAL HUMANITIES	COVID-19	DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		45,452	
45.169	PROMOTION OF THE HUMANITIES OFFICE OF DIGITAL HUMANITIES		DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		43,623	7,676
45.301	MUSEUMS FOR AMERICA		DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		93,293	
45.312	NATIONAL LEADERSHIP GRANTS	COVID-19	PASS THROUGH	UNIVERSITY OF KANSAS / UNIVERSITY OF KANSAS CENTER FOR RESEARCH	FY2022-016	278	
45.312	NATIONAL LEADERSHIP GRANTS		DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		199,721	
45.312	NATIONAL LEADERSHIP GRANTS	COVID-19	PASS THROUGH	ASSOCIATION OF SCIENCE TECHNOLOGY CENTER	LG-250528-OLS-2-44	216,582	
45.312	NATIONAL LEADERSHIP GRANTS		PASS THROUGH	TEXAS AFTER VIOLENCE PROJECT	20214254	6,492	
45.313	LAURA BUSH 21ST CENTURY LIBRARIAN PROGRAM		PASS THROUGH	UNIVERSITY OF PITTSBURGH	30047824	98,638	
47.040	MATERIALS RESEARCH PROJECT SUPPORT		DIRECT	NATIONAL SCIENCE FOUNDATION		(17,052)	
47.040	MATERIALS RESEARCH PROJECT SUPPORT	COVID-19	PASS THROUGH	BICURE LLC	013240	190,196	
47.041	ENGINEERING		DIRECT	NATIONAL SCIENCE FOUNDATION		73,807	
47.041	ENGINEERING		DIRECT	NATIONAL SCIENCE FOUNDATION		13,440,995	930,355
47.041	ENGINEERING		PASS THROUGH	AMERICAN POLITICAL SCIENCE ASSOCIATION	20205059	51,915,603	1,611,455
47.041	ENGINEERING		PASS THROUGH	ARIZONA STATE UNIVERSITY	013606	3,359	
47.041	ENGINEERING		PASS THROUGH	ARIZONA STATE UNIVERSITY	15-742	45,660	
47.041	ENGINEERING		PASS THROUGH	BAYLOR UNIVERSITY	Sub 30240114-1 (1740203)	964,316	50,000
47.041	ENGINEERING					(18)	

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47.041	ENGINEERING		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	S19-0001	54,898	
47.041	ENGINEERING		PASS THROUGH	CALYX, INC.	1660263	5,575	
47.041	ENGINEERING		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	012978	149,749	
47.041	ENGINEERING		PASS THROUGH	CARTILAGE, INC.	218235	53,065	
47.041	ENGINEERING	COVID-19	PASS THROUGH	CORAVIE MEDICAL, INC.	053217	124,038	
47.041	ENGINEERING		PASS THROUGH	DARTMOUTH COLLEGE	R1600(1822140)	75,774	
47.041	ENGINEERING		PASS THROUGH	DARTMOUTH COLLEGE	R1601(1822140)	60,000	
47.041	ENGINEERING		PASS THROUGH	DARTMOUTH COLLEGE	R1602(1822140)	59,049	
47.041	ENGINEERING		PASS THROUGH	DARTMOUTH COLLEGE	R1651(1822140)	38,956	
47.041	ENGINEERING		PASS THROUGH	DARTMOUTH COLLEGE	Sub R1652(1822140)	19,793	
47.041	ENGINEERING	COVID-19	PASS THROUGH	EMBR LABS INC.	20161719	(357)	
47.041	ENGINEERING		PASS THROUGH	FYR DIAGNOSTICS, LLC	012576	5	
47.041	ENGINEERING		PASS THROUGH	GENERAL ENGINEERING & RESEARCH, LLC	Sub 30035504 (2035074)	(28,926)	
47.041	ENGINEERING	COVID-19	PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	AWD-002807-G7	1,563,238	
47.041	ENGINEERING		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	RG382-G1	2,806	
47.041	ENGINEERING		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	Sub AWD-002807-G6 (2112533)	18,197	
47.041	ENGINEERING		PASS THROUGH	HARVEY MUDD COLLEGE	EFMA-2240761	11,343	
47.041	ENGINEERING		PASS THROUGH	IOWA STATE UNIVERSITY	024472A	170,258	
47.041	ENGINEERING		PASS THROUGH	KNOX MEDICAL DIAGNOSTICS INC.	A130875	47,380	
47.041	ENGINEERING		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2132929	36,309	
47.041	ENGINEERING		PASS THROUGH	MICHIGAN STATE UNIVERSITY	Sub RC111316A (2027113)	18,389	
47.041	ENGINEERING		PASS THROUGH	MOKA BLOX LLC	A22-3233	3,747	
47.041	ENGINEERING		PASS THROUGH	NANOELECTRONICS RESEARCH CORPORATION	Sub 2016-NE-2701 (ECCS-1640173	153	
47.041	ENGINEERING		PASS THROUGH	NEW YORK UNIVERSITY	F1449-03	50,877	
47.041	ENGINEERING		PASS THROUGH	OKLAHOMA STATE UNIVERSITY	013369	10,300	
47.041	ENGINEERING		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	Sub S003312-NSF (CMMI-1826221)	21,982	
47.041	ENGINEERING		PASS THROUGH	PURDUE UNIVERSITY	Sub 10000719-081 (EEC-1227110)	736,058	
47.041	ENGINEERING		PASS THROUGH	ROCHESTER INSTITUTE OF TECHNOLOGY	32823-01	33,377	
47.041	ENGINEERING		PASS THROUGH	ST. JUDE CHILDREN'S RESEARCH HOSPITAL	120153010-8107799	121,225	
47.041	ENGINEERING	COVID-19	PASS THROUGH	STANFORD UNIVERSITY	28139880-50542-C	70,636	
47.041	ENGINEERING	COVID-19	PASS THROUGH	SYRACUSE UNIVERSITY	28250-04301-S33	(10,000)	
47.041	ENGINEERING		PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	M1801370	972,290	
47.041	ENGINEERING		PASS THROUGH	THE AMERICAN SOCIETY FOR ENGINEERING EDUCATION	2127509	127,738	
47.041	ENGINEERING	COVID-19	PASS THROUGH	THE AMERICAN SOCIETY FOR ENGINEERING EDUCATION	769-2059	147,476	
47.041	ENGINEERING		PASS THROUGH	THE AMERICAN SOCIETY FOR ENGINEERING EDUCATION	769-2075	111,748	
47.041	ENGINEERING		PASS THROUGH	THE AMERICAN SOCIETY FOR ENGINEERING EDUCATION	769-2082	50,307	
47.041	ENGINEERING		PASS THROUGH	THE AMERICAN SOCIETY FOR ENGINEERING EDUCATION	A23-2776	60,439	
47.041	ENGINEERING		PASS THROUGH	THE AMERICAN UNIVERSITY	2115405	132,095	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF AKRON	A22-0662-001	62,725	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF ARIZONA	Sub 413309 (CMMI-1662816)	(460)	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	SUB 454513(EFMA-1640860)	(3,589)	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF ILLINOIS CHICAGO	1563011	73,422	
47.041	ENGINEERING	COVID-19	PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	17350	6,709	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	087442-16581	140,038	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	096640-18890	48,800	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF MINNESOTA	011677	22,906	
47.041	ENGINEERING	COVID-19	PASS THROUGH	UNIVERSITY OF MINNESOTA	011959	482,154	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF MINNESOTA	A008985704	827,014	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF NEVADA, RENO	UNR-21-13	95,217	
47.041	ENGINEERING	COVID-19	PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	204212UCB	74,586	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	570440	107,298	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	570440	15,885	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	579913	180,193	
47.041	ENGINEERING	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	22-4823	59,943	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	012977	57,336	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	AWD00005441 (137354-2):1	302,586	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS - EL PASO	226100998G	78,918	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	Sub UTA15-000855 (1520817)	(5,060)	
47.041	ENGINEERING	COVID-19	PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTA12-000944	54,662	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTAUS-SUB00000150AM2	95,431	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	SUB UTA20-000980 (CMMI- 202 )	58,174	
47.041	ENGINEERING	COVID-19	PASS THROUGH	UNIVERSITY OF TEXAS AT EL PASO	226101060A	53,640	
47.041	ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS AT EL PASO	Sub 226101093C ( 2115124)	31,473	
47.041	ENGINEERING		PASS THROUGH	VENA VITALS, INC.	VV-5631808	11,162	
47.041	ENGINEERING		PASS THROUGH	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	480090-19B03	4,700	

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47.041	ENGINEERING		PASS THROUGH	CALIFORNIA STATE UNIVERSITY FULLERTON/CSU FULLERTON AUXILIARY	S-6655-UCI	56,399	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	DIRECT	NATIONAL SCIENCE FOUNDATION		28,341,469	2,278,348
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		DIRECT	NATIONAL SCIENCE FOUNDATION		99,060,463	2,008,218
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	ASSOCIATED UNIVERSITIES, INC.	22B-071	14,454	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	ASSOCIATED UNIVERSITIES, INC.	A22-0887-001	2,599	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	ASSOCIATED UNIVERSITIES, INC.	SOSPA6-024	3,081	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	ASSOCIATED UNIVERSITIES, INC.	SOSPA7-024	2,956	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	ASSOCIATED UNIVERSITIES, INC.	SOSPAD4A-002	4,473	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	ASSOCIATED UNIVERSITIES, INC.	Sub 373333 (1519126 )	13,449	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	ASSOCIATED UNIVERSITIES, INC.	Sub SOSPA8-009 (1519126)	24,716	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	ASSOCIATED UNIVERSITIES, INC.	SUB800002154-4A:10	14,154	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A17-0909	82,398	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	A20-0791-001	37,830	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	N56981C	87,657	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	BARNARD COLLEGE	A19-0334	14,256	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	Baylor University	1000293-01	63,084	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	Baylor University	1001399-01	17,403	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	BRANDEIS UNIVERSITY	GR404040	52,606	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY	14888	36,481	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY	15436	147,045	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY	A19-0370	3,341	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	A21-0174	73,414	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S488853	218,919	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, NORTHRIDGE	A20-0009-5001	149,205	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	1123478-437116	40,649	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	CARNEGIE MELLON UNIVERSITY	1123557-468089	61,111	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	COLUMBIA UNIVERSITY	31(GG016228)	196,662	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	COLUMBIA UNIVERSITY	32(GG016228)	164,411	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	CORNELL UNIVERSITY	75548-10820	482,369	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	CORNELL UNIVERSITY	78877-10862	13	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	CORNELL UNIVERSITY	79433-20660	336,444	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	CORNELL UNIVERSITY	79433-20670	324,413	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	CORNELL UNIVERSITY	PHY-1946735	7,823	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	DUKE UNIVERSITY	333-2455	404,867	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	DUKE UNIVERSITY	333-2553	48,932	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	DUKE UNIVERSITY	333-2771(2116298)	351,327	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	EMORY UNIVERSITY	A374210	965	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	EMORY UNIVERSITY	A378881	(218,207)	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	AWD-0000181-G2	15,472	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	INDIANA UNIVERSITY	011175	24,120	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	INDIANA UNIVERSITY	8054-UCLA	(4,738)	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	JACKSON STATE UNIVERSITY	633215-UCSB	78,067	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	JET PROPULSION LABORATORY	OS00000308/315610	62,687	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005291618	34,875	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Sub SS129 - PO 529457 (PHY)	165,105	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	MICHIGAN STATE UNIVERSITY	RC114050UC (2209717)	76,119	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	NORTHWESTERN UNIVERSITY	60062823 UCB	12,166	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	OHIO STATE UNIVERSITY	60046614	(23)	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	PRINCETON UNIVERSITY	Sub 0000182(PHY-1624356)	(137)	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	PRINCETON UNIVERSITY	SUB80000	4,128	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	PURDUE UNIVERSITY	10001942-029	48,028	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	RICE UNIVERSITY	R3j451	73,065	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	SOUTHERN METHODIST UNIVERSITY	G001942-7500	129,336	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	STANFORD UNIVERSITY	61941275-134448	79,968	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	A20-0805-002	211	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	THE SMITHSONIAN ASTROPHYSICAL OBSERVATORY	SVO-09009	19,904	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF ARIZONA	466912	69,352	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1561735	121,693	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1554565/1561736	1,049,401	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1561245	304,795	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1563020	209	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	1556927	23,732	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	R37DA044467-06	1,150,143	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	101433-19459	73,944	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF MINNESOTA	A008060103	169,084	

**University of California**  
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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF MINNESOTA	A008060114	19,144	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF NEBRASKA	25-0521-0244-016	7,080	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	203643UCB	(11)	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	203643UCLA	23,037	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	204276UCLA	275,891	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	204303UCB	205,224	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	204303UCLA	315,601	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	204512UCB	271,883	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	204512UCLA-AD	303,492	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	204512UCLA-WW	89,536	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	UND-225064	2,621	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF OREGON	2016VOC	46,512	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF ROCHESTER	2020249	120,607	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF ROCHESTER	417874-G	253,357	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF ROCHESTER	A22-0804-001	13,872	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF TEXAS AT EL PASO	226100993A	93,055	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF UTAH	10052943-UC	2,865	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC11424	25,408	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC14212	793	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC9674	(107)	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000000294	53,727	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	00000002391	29,201	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	011972	178,470	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	Sub 408K133 (PHY-1148698)	(53)	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	VIRGINIA COMMONWEALTH UNIVERSITY	FP00009404_SA001	53,916	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	VIRGINIA COMMONWEALTH UNIVERSITY	FP00017995_SA001	14,268	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	SF-2207-PITMAN	65,890	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	480717-19910	63,713	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	480718	58,517	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	SF-2208-Scott	66,555	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-22-0100	25,859	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	WAYNE STATE UNIVERSITY	WSU22188	27,557	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	YALE UNIVERSITY	CON-80003176 (GR114091)	298,224	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES		PASS THROUGH	YALE UNIVERSITY	GR110081 (CON-80002459)	259	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	STONY BROOK UNIVERSITY (A STATE UNIVERSITY OF NEW YORK CAMPUS)	76749/1316652/2	47,748	
47.049	MATHEMATICAL AND PHYSICAL SCIENCES	COVID-19	PASS THROUGH	STONY BROOK UNIVERSITY (A STATE UNIVERSITY OF NEW YORK CAMPUS)	93443/1172884/2S&C	93,156	
47.050	GEOSCIENCES	COVID-19	DIRECT	NATIONAL SCIENCE FOUNDATION		7,793,699	748,755
47.050	GEOSCIENCES		DIRECT	NATIONAL SCIENCE FOUNDATION		78,262,084	4,348,573
47.050	GEOSCIENCES		PASS THROUGH	AMERICAN POLITICAL SCIENCE ASSOCIATION	20211231	(19)	
47.050	GEOSCIENCES		PASS THROUGH	BROWN UNIVERSITY	Sub 00001768 (AGS-2002750)	47,993	
47.050	GEOSCIENCES		PASS THROUGH	CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO	Sub 202-10-51232 (1543539)	8,212	
47.050	GEOSCIENCES		PASS THROUGH	CARNEGIE INSTITUTION OF WASHINGTON	02-11021-1306(2152686)	24,969	
47.050	GEOSCIENCES		PASS THROUGH	CARNEGIE INSTITUTION OF WASHINGTON	02-11024-1307(2150829)	10,652	
47.050	GEOSCIENCES	COVID-19	PASS THROUGH	COLUMBIA UNIVERSITY	125(GGO009393-04)	39,900	
47.050	GEOSCIENCES		PASS THROUGH	COLUMBIA UNIVERSITY	2(GGO17158-01)	100,327	
47.050	GEOSCIENCES		PASS THROUGH	COLUMBIA UNIVERSITY	2C(GGO009393)	32,288	
47.050	GEOSCIENCES		PASS THROUGH	COLUMBIA UNIVERSITY	3(GGO15488)	172,247	
47.050	GEOSCIENCES		PASS THROUGH	COLUMBIA UNIVERSITY	A17-0484-011	7,625	
47.050	GEOSCIENCES		PASS THROUGH	COLUMBIA UNIVERSITY	A20-0020	29,031	
47.050	GEOSCIENCES		PASS THROUGH	COLUMBIA UNIVERSITY	A20-0878-001	6,976	
47.050	GEOSCIENCES		PASS THROUGH	CONSORTIUM FOR OCEAN LEADERSHIP	A00-0816-006	651	
47.050	GEOSCIENCES		PASS THROUGH	DUKE UNIVERSITY	Sub 333-2419 (1721611)	49,612	
47.050	GEOSCIENCES		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	012882	137,079	
47.050	GEOSCIENCES		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	2131914	208,725	
47.050	GEOSCIENCES		PASS THROUGH	HASKELL FOUNDATION	HFUSSD-01	29,781	
47.050	GEOSCIENCES		PASS THROUGH	INCORPORATED RESEARCH INSTITUTIONS FOR SEISMOLOGY	08-UCSD-SAGE	(1,468)	
47.050	GEOSCIENCES		PASS THROUGH	INCORPORATED RESEARCH INSTITUTIONS FOR SEISMOLOGY	09-UCSD (MD)-SAGE	(1,300)	
47.050	GEOSCIENCES		PASS THROUGH	INCORPORATED RESEARCH INSTITUTIONS FOR SEISMOLOGY	SU-19-1001-08-UCSD, Task Or	1,925,058	
47.050	GEOSCIENCES		PASS THROUGH	MICHIGAN STATE UNIVERSITY	RC112480A	52,938	
47.050	GEOSCIENCES		PASS THROUGH	MIDDLEBURY COLLEGE	530272-UCLA	17,043	
47.050	GEOSCIENCES		PASS THROUGH	MONTEREY BAY AQUARIUM RESEARCH INSTITUTE	2011048 (Sub OCE-1946578)	637,895	
47.050	GEOSCIENCES		PASS THROUGH	MONTEREY BAY AQUARIUM RESEARCH INSTITUTE	PO-2110540 sub OCE-2110258	108,882	
47.050	GEOSCIENCES	COVID-19	PASS THROUGH	NEW JERSEY INSTITUTE OF TECHNOLOGY	997613	37,139	
47.050	GEOSCIENCES		PASS THROUGH	NEW YORK UNIVERSITY	F0691-04	77,661	
47.050	GEOSCIENCES		PASS THROUGH	OLD DOMINION UNIVERSITY RESEARCH FOUNDATION	22-129-100868-010	11,690	

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
47.050	GEOSCIENCES		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	A22-0642-001	76,621	
47.050	GEOSCIENCES		PASS THROUGH	PURDUE UNIVERSITY	SA20-5279-01	60,478	
47.050	GEOSCIENCES		PASS THROUGH	QUINC.TECH LLC	quinc.tech 19109-2019-3183	(10,121)	
47.050	GEOSCIENCES		PASS THROUGH	SAN JOSE STATE UNIVERSITY RESEARCH FOUNDATION	A18-0010-004	9,054	
47.050	GEOSCIENCES	COVID-19	PASS THROUGH	SITKA SOUND SCIENCE CENTER	2022UCSD-01	107,872	
47.050	GEOSCIENCES		PASS THROUGH	STANFORD UNIVERSITY	62445563-178401	251,743	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	NCAR-5622810	80,970	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	P2020780	50,726	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	SERVICE003330	2,863	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	SUB SUBAWD003230 (1755088)	25,333	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF ALASKA SYSTEM	A18-0011	131,875	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF ARIZONA	682222	530	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF CHICAGO	1852617	181,525	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF CHICAGO	AWD0100221 (SUB00000066)	234,924	
47.050	GEOSCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF DELAWARE	59698	7,060	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF HAWAII - WEST OAHU	MA 1389	79,022	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF HAWAII AT MANOA	MA 1392	58,917	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	SA07523110 P086073	13,881	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF MIAMI	SPC-000190	(42)	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00017100	15,120	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF NEW MEXICO	A17-0628	340,392	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	A23-0130-001	103,708	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	91269673	92,286	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	011785	45	
47.050	GEOSCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	011943	372	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	012681	1,624	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	012682	15,540	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	012683	11,525	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	013528	25,375	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	013529	24,838	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	013530	29,884	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	013531	8,186	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	013532	16,062	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	91261301	99,944	
47.050	GEOSCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	A17-0917	172,801	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00004145	9,058	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub SCON-00002879 (EAR-1600 )	47,168	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF VIRGINIA	2023555	12,436	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY OF WASHINGTON	A22-0628-001	80,064	
47.050	GEOSCIENCES		PASS THROUGH	UNIVERSITY SYSTEM OF MARYLAND	86308-23459201	147,012	
47.050	GEOSCIENCES		PASS THROUGH	WEST VIRGINIA UNIVERSITY	2219079	12,471	
47.050	GEOSCIENCES		PASS THROUGH	WESTED	S-00017979	98,478	
47.050	GEOSCIENCES		PASS THROUGH	WOODS HOLE OCEANOGRAPHIC INSTITUTION	A101436	1,792,661	
47.050	GEOSCIENCES		PASS THROUGH	WOODS HOLE OCEANOGRAPHIC INSTITUTION	A101512	(11,816)	
47.050	GEOSCIENCES		PASS THROUGH	WOODS HOLE OCEANOGRAPHIC INSTITUTION	A101527	(826)	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	COVID-19	DIRECT	NATIONAL SCIENCE FOUNDATION		14,449,116	350,970
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		DIRECT	NATIONAL SCIENCE FOUNDATION		83,887,943	5,480,267
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	ARIZONA STATE UNIVERSITY	ASUB000001137	1,500	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	BLACKBERRY LIMITED	2022-L02329	257,140	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	BRIGHAM YOUNG UNIVERSITY	21-0565	23,477	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	1123591-459386	19,092	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	CENTER FOR THE ADVANCEMENT OF SCIENCE IN SPACE, INC.	008402	57,253	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	COLORADO SCHOOL OF MINES	5UG3HL154302-03	213,735	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	COMPUTING RESEARCH ASSOCIATION	1940460	111,477	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	COMPUTING RESEARCH ASSOCIATION	2021CIF-UCBerkeley-18	78,104	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	COVID-19	PASS THROUGH	COMPUTING RESEARCH ASSOCIATION	2021CIF-UCBerkeley-19	107,631	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	COMPUTING RESEARCH ASSOCIATION	2021CIF-UClrvine-20	110,708	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	COMPUTING RESEARCH ASSOCIATION	2021CIF-UClrvine-51	132,450	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	COMPUTING RESEARCH ASSOCIATION	2021CIF-UCLA-21	122,263	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	COMPUTING RESEARCH ASSOCIATION	2030859	18,045	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	COMPUTING RESEARCH ASSOCIATION	2127309	124,761	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	COMPUTING RESEARCH ASSOCIATION	CCC-USC-Krintz	20,964	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	COMPUTING RESEARCH ASSOCIATION	CIF2020-UCB-23	120,893	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	COMPUTING RESEARCH ASSOCIATION	CIF2020-UCLA-38	113,680	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	COMPUTING RESEARCH ASSOCIATION	Sub CIF2020-USCD-27 (2030859)	66,162	

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47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	COMPUTING RESEARCH ASSOCIATION	SUB CIF2020-UCSD-56 (2030859)	62,762	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	CORNELL UNIVERSITY	76221-10547	60,305	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	CORPORATION FOR EDUCATION NETWORK INITIATIVES IN CALIFORNIA	SUB C45-489 ( 2029306 )	179,324	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	COVID-19	PASS THROUGH	DIGITAL PROMISE	1844	50,454	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	HARVARD UNIVERSITY	124095-5116333	5,349	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	IMMERGO LLC	A22-0120-001	16,151	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	INDIANA UNIVERSITY	Sub BL4812537UCSD (OAC-1840034	18,610	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	INTERNET2	SUB 1048-B (2100003 )	48,311	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005281944	45,663	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub 2005245152 (2129051)	155,976	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	KANSAS STATE UNIVERSITY	A21-0144-5001	34,297	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	MICHIGAN STATE UNIVERSITY	Sub RC108911UCSD (OAC-1835144)	(625)	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	NANO COMPOSITE PRODUCTS, INC	Sub 20202484	8,522	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	COVID-19	PASS THROUGH	NORTHEASTERN UNIVERSITY	502864-78050	32,168	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	NORTHWESTERN UNIVERSITY	60054624 UCI	27,674	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	NORTHWESTERN UNIVERSITY	Sub 60054740 UCSD ( OAC-193598	124,686	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	NORTHWESTERN UNIVERSITY	SUB SP0044956-PROJ0013413(DMR-	(1)	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	OHIO STATE UNIVERSITY	2112606	130,860	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	OHIO STATE UNIVERSITY	2148253	38,187	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	OHIO STATE UNIVERSITY	60068496	(1,498)	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	OHIO STATE UNIVERSITY	SPC-1000005795 / GR125476	19,765	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	OHIO STATE UNIVERSITY	Sub SPC-1000005612 / GR1248	194,021	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	PAWR, LLC	PAWR-5582469	97,872	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	COVID-19	PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	Sub S000267-NSF (CNS-1805310)	5,268	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	PRINCETON UNIVERSITY	A19-0420	324,631	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	PRINCETON UNIVERSITY	Sub S00000269(OCA-1836650)	438,158	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	PRINCETON UNIVERSITY	SUB80000268	209,040	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	PRINCETON UNIVERSITY	SUB80000585	6,222	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	PURDUE UNIVERSITY	10000686-018	42,078	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	PURDUE UNIVERSITY	10002201-019	1,432	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	RENAISSANCE COMPUTING INSTITUTE	Sub S115825 (CNS-1935966)	24,151	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	TENNESSEE TECHNOLOGICAL UNIVERSITY	BL150290970	73,810	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF CENTRAL FLORIDA	16266244	7,727	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	COVID-19	PASS THROUGH	UNIVERSITY OF CINCINNATI	012486-002	35,768	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF CINCINNATI	A21-4329	1,495	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY22.1121.001.2104003(OAC21 )	22,250	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	SUB 083842-16110(ACI-1548562)	660,616	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	Sub 094096-17249 (1764055)	74,165	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	Sub 100253-18221 (2005572)	172,848	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	Sub 108822-18937 (2138307)	249,632	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	Sub 108825-18939 (2138296)	162,655	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	109961-23899201	186,162	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	Sub 110970-23919201 (ECCS21 )	69,591	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	COVID-19	PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	Sub 21-015236-A ( CCF- 193 )	54,662	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF MEMPHIS	A17-0019-5002-A04	108,726	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF MEMPHIS	A17-0019-5003-04	(225)	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF MEMPHIS	A21-0011-5001	70,116	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00013951	11,286	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF MINNESOTA	Sub A008754803 (OAC-2037773)	30,672	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF MISSOURI	010810	121,571	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE	012465	47,919	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	011941	28,664	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF OREGON	201450A	80,208	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	COVID-19	PASS THROUGH	UNIVERSITY OF TEXAS AT ARLINGTON	2019G00653	4,452	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	1854828	46,404	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTA18-001252	10,576	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTAUS-SUB00000013	52,490	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTAUS-SUB00000014	50,363	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTAUS-SUB00000547	338,764	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS AT EL PASO	012922	23,445	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS AT EL PASO	226101090F	28,398	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS AT EL PASO	A22-0407-001	29,648	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF UTAH	10061946-UCSD-01(2138811)	192,558	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	COVID-19	PASS THROUGH	UNIVERSITY OF VIRGINIA	GA11421.POH2197128	(13,755)	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF WASHINGTON	Sub UWSC13245 (OAC-2117997)	342,179	

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47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC11871	172	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC12166	2,107	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13277	24,063	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13985	85,853	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	203405439	115,832	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	Sub 0000001037 (203058 - OAC)	758,783	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	COVID-19	PASS THROUGH	VANDERBILT UNIVERSITY	UNIV62409	71,207	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	VIRGINIA COMMONWEALTH UNIVERSITY	SUB FP00011535_SA001 (2011 )	13,449	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	COVID-19	PASS THROUGH	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	479589-19910	133	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	COVID-19	PASS THROUGH	WAYNE STATE UNIVERSITY	WSU20079	98,511	
47.070	COMPUTER AND INFORMATION SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY AT BUFFALO (A STATE UNIVERSITY OF NEW YORK CAMPUS)	R1313615 (2137603)	124,132	
47.074	BIOLOGICAL SCIENCES	COVID-19	DIRECT	NATIONAL SCIENCE FOUNDATION		10,653,922	1,073,507
47.074	BIOLOGICAL SCIENCES		DIRECT	NATIONAL SCIENCE FOUNDATION		52,788,747	4,436,999
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	ARIZONA STATE UNIVERSITY	011869	14,971	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	ARIZONA STATE UNIVERSITY	2153503	31,152	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	AUBURN UNIVERSITY	013772	36,306	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	BROWN UNIVERSITY	Sub 00001351 (DBI-1707352)	81,755	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	BUCKNELL UNIVERSITY	012602	38,349	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	1926023	30,134	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S456833	58,817	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	SS93198	29,269	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	Sub 1122974-461303 (2154089)	78,373	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	CARY INSTITUTE OF ECOSYSTEM STUDIES	DEB-1855277	946	
47.074	BIOLOGICAL SCIENCES	COVID-19	PASS THROUGH	CENTRAL MICHIGAN UNIVERSITY	F63362	88	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	CHAPMAN UNIVERSITY	1737878	18,413	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG016318)	10,142	
47.074	BIOLOGICAL SCIENCES	COVID-19	PASS THROUGH	COLUMBIA UNIVERSITY	1(GG016611-01)	11,208	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	CORNELL UNIVERSITY	1822330	178,600	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	EMORY UNIVERSITY	011228	20,615	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	1844803	(18,044)	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	HARVARD UNIVERSITY	AWD-002525-G1(2100858)	117,197	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	HARVARD UNIVERSITY	111269-5110907	18,598	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	HARVARD UNIVERSITY	A19-0392	75,414	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	J. CRAIG VENTER INSTITUTE	JCVI-19-005	(2,154)	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	J. CRAIG VENTER INSTITUTE	JCVI-21-009 (NSF IOS-2103715)	128,967	
47.074	BIOLOGICAL SCIENCES	COVID-19	PASS THROUGH	KANSAS STATE UNIVERSITY	A00-0490-S001-A02	4,240	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	A21-0292	237,367	
47.074	BIOLOGICAL SCIENCES	COVID-19	PASS THROUGH	NORTHERN ARIZONA UNIVERSITY	1004895-01	23,494	
47.074	BIOLOGICAL SCIENCES	COVID-19	PASS THROUGH	OHIO STATE UNIVERSITY	SPC-10000005488   GR121049	108,903	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	011905	6,582	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	RICE UNIVERSITY	Sub R36401 (MCB-1616755)	(8)	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	0913	231,022	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	A20-0700	68,460	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	A21-0283	248,717	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	Sub 0912 ( DBI-1832184)	2,191,366	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	SUB D9193-02 SA00 5A647A 78	477	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	STANFORD UNIVERSITY	62553754-140293	33,664	
47.074	BIOLOGICAL SCIENCES	COVID-19	PASS THROUGH	STANFORD UNIVERSITY	62864268-221086	111,269	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	TENNESSEE STATE UNIVERSITY	TSU-05555411	36,952	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF ARIZONA	531848	34,209	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	012024	16,002	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	1556857	108,882	
47.074	BIOLOGICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF FLORIDA	SUB80002183	1,190	
47.074	BIOLOGICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF GEORGIA	SUB80002431	43,715	
47.074	BIOLOGICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF IDAHO	CB2960-897798	139,469	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF ILLINOIS CHICAGO	A22-0752-001	13,438	
47.074	BIOLOGICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	118864-Z3656201	70,130	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF MICHIGAN	012289	381	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF MICHIGAN	A23-0770-001	61,019	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF MINNESOTA	1934384	143,900	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF MINNESOTA	2042159	4,177	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF NEBRASKA	A18-0889-003	(4,860)	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5111338	82,158	
47.074	BIOLOGICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5111339	83,697	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	Sub 203615UCSD (1918692)	6,681	

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47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF OREGON	012860	34,001	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00004485 (012686-6)	272,222	
47.074	BIOLOGICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00004485(012686-2)	238,923	
47.074	BIOLOGICAL SCIENCES	COVID-19	PASS THROUGH	UNIVERSITY OF PUERTO RICO	2019-005	10,684	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF TENNESSEE	9500073623	75,794	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	SUB UTA20-000890 (2014862)	341,127	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC11362	(18,375)	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000000179	5,196	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF WYOMING	1002790A	9,790	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY OF WYOMING	1003260A-UCDAVIS	155	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	VIRGINIA COMMONWEALTH UNIVERSITY	2120665	1,522	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	A20-0115-001	19,614	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	WELLESLEY COLLEGE	SA26539	113,328	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	YALE UNIVERSITY	GR110066 (CON-80002444)	94,747	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY AT BUFFALO (A STATE UNIVERSITY OF NEW YORK CAMPUS)	6230	66,542	
47.074	BIOLOGICAL SCIENCES		PASS THROUGH	UNIVERSITY AT BUFFALO (A STATE UNIVERSITY OF NEW YORK CAMPUS)	R1092333	187,142	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	COVID-19	DIRECT	NATIONAL SCIENCE FOUNDATION		2,563,899	99,842
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		DIRECT	NATIONAL SCIENCE FOUNDATION		14,352,578	1,373,565
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	ARIZONA STATE UNIVERSITY	012387	32,194	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	BOSTON UNIVERSITY	4500003335	33,939	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	CLEMSON UNIVERSITY	2467-206-2015725	73,418	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	CORNELL UNIVERSITY	1823489	33,012	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	DARTMOUTH COLLEGE	R1560	14,782	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	Sub 22-518 (2223914)	81,561	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	GEORGIA STATE UNIVERSITY	1949003	33,626	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	GEORGIA STATE UNIVERSITY	SP00014301-01	42,914	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	HARVARD UNIVERSITY	Sub 100888-5119286 ( SES )	10,112	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	COVID-19	PASS THROUGH	INDIANA UNIVERSITY BLOOMINGTON	9187	33,629	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	COVID-19	PASS THROUGH	NATIONAL BUREAU OF ECONOMIC RESEARCH, INC.	36351.00.00.00.7700	28,344	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	COVID-19	PASS THROUGH	NATIONAL BUREAU OF ECONOMIC RESEARCH, INC.	36401.00.00.00.7700	40,469	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	COVID-19	PASS THROUGH	NATIONAL BUREAU OF ECONOMIC RESEARCH, INC.	36414.00.00.00.7700	84,252	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	COVID-19	PASS THROUGH	NATIONAL BUREAU OF ECONOMIC RESEARCH, INC.	SUB 36401.00.00.00.7700	17,334	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	COVID-19	PASS THROUGH	NORTH DAKOTA STATE UNIVERSITY	FAR035578	18,147	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	COVID-19	PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	A21-0145-001	6,198	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	COVID-19	PASS THROUGH	PORTLAND STATE UNIVERSITY	100104	17,720	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	COVID-19	PASS THROUGH	PRINCETON UNIVERSITY	SUB80000477	114,973	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	COVID-19	PASS THROUGH	STATE UNIVERSITY OF NEW YORK	550-1142143-79134	2,419	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	COVID-19	PASS THROUGH	SYRACUSE UNIVERSITY	30914-05434-S02	23,957	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	COVID-19	PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	009285	1,341	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	COVID-19	PASS THROUGH	THE UNIVERSITY OF MAINE	A21-0779-001	26,016	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	UNIVERSITY OF CHICAGO	2049929	64,847	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	UNIVERSITY OF CHICAGO	AWD067826 (SUB00000477)	(1,850)	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	19239	18,445	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00015253	15,137	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00017518	90,684	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	UNIVERSITY OF MINNESOTA	A005858801	29,040	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	20210505-01-UCL	5,386	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-000002707	28,168	
47.075	SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES		PASS THROUGH	UNIVERSITY AT BUFFALO (A STATE UNIVERSITY OF NEW YORK CAMPUS)	A21-0133	23,692	
47.076	EDUCATION AND HUMAN RESOURCES	COVID-19	DIRECT	NATIONAL SCIENCE FOUNDATION		28,539,399	1,309,436
47.076	EDUCATION AND HUMAN RESOURCES		DIRECT	NATIONAL SCIENCE FOUNDATION		48,492,142	1,345,541
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	9 DOTS COMMUNITY LEARNING CENTER	20184353	(3,278)	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	AMERICAN CHEMICAL SOCIETY	Sub20202576 (NSF-1834545)	52,038	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	AMERICAN EDUCATIONAL RESEARCH ASSOCIATION	012829	16,330	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	AMERICAN EDUCATIONAL RESEARCH ASSOCIATION	013487	18,028	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	AMERICAN EDUCATIONAL RESEARCH ASSOCIATION	20215296	13,072	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	BOSTON UNIVERSITY	4500003453	5,557	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	CALIFORNIA STATE UNIVERSITY SACRAMENTO/UNIVERSITY ENTERPRISE	532571A-cyc1	24,977	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, FRESNO	SC360490-19-01	8,645	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	CARLETON COLLEGE	Sub 1748-UCSD(1841992)	43,465	
47.076	EDUCATION AND HUMAN RESOURCES	COVID-19	PASS THROUGH	CARY INSTITUTE OF ECOSYSTEM STUDIES	200202111	33,209	
47.076	EDUCATION AND HUMAN RESOURCES	COVID-19	PASS THROUGH	CLARKSON UNIVERSITY	102500-2	439	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	CLEMSON UNIVERSITY	SUB800000325/ GR532493	1,615	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	DONALD DANFORTH PLANT SCIENCE CENTER	Sub 22012-C (2022975)	(2,592)	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	EAST LOS ANGELES COLLEGE	4500265007	120,699	

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47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	EDUCATION DEVELOPMENT CENTER, INC.	A21-0622	46,663	
47.076	EDUCATION AND HUMAN RESOURCES	COVID-19	PASS THROUGH	EXPLORATORIUM	050823	291,050	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	IMPERIAL VALLEY COLLEGE	30143795	13,795	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	MICHIGAN STATE UNIVERSITY	RC114068UCSB	9,757	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	MOREHOUSE COLLEGE	NSF-MC-UCLA_234043-01	76,839	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	MUSEUM OF SCIENCE & INDUSTRY	011397	63,650	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	NATIONAL UNIVERSITY	2022-01-02-03-2019-2021	4,848	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	PASADENA AREA COMMUNITY COLLEGE DISTRICT	012608	28,401	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	5864-UCI-NSF-1012	1,245	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	Sub S003221-NSF (DUE-2229983)	36,450	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	PORTLAND STATE UNIVERSITY	100246	1,421	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	RIVERSIDE UNIFIED SCHOOL DISTRICT	010990	123,006	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	Sub 1170 (DGE-1561687)	772	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	SANTA BARBARA CITY COLLEGE	P0010583	10,777	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	SANTA CLARA UNIVERSITY	A20-0610	21,355	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	STANFORD UNIVERSITY	62642199-179288	33,863	
47.076	EDUCATION AND HUMAN RESOURCES	COVID-19	PASS THROUGH	TEACHERS COLLEGE, COLUMBIA UNIVERSITY	513155	34,809	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	2200228	51,627	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	1953623	2,353	
47.076	EDUCATION AND HUMAN RESOURCES	COVID-19	PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1559734	111,723	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	A21-0162	114,495	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	1639340	8,611	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	SUB NSF00135-05 (HRD-2217329)	8,370	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00004424 (012684-2)	29,428	
47.076	EDUCATION AND HUMAN RESOURCES	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	126168692	(1)	
47.076	EDUCATION AND HUMAN RESOURCES	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-000002129	134,511	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	UNIVERSITY OF TEXAS RIO GRANDE VALLEY	012873	64,371	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	UNIVERSITY OF TEXAS RIO GRANDE VALLEY	2231387(02)	11,092	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC10468	45,098	
47.076	EDUCATION AND HUMAN RESOURCES	COVID-19	PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	787K161	361	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	VANDERBILT UNIVERSITY	SUB UNIV61965 ( 1647196 )	54,251	
47.076	EDUCATION AND HUMAN RESOURCES		PASS THROUGH	VILLANOVA UNIVERSITY IN THE STATE OF PENNSYLVANIA	2141849	20,817	
47.078	POLAR PROGRAMS	COVID-19	DIRECT	NATIONAL SCIENCE FOUNDATION		171,565	
47.078	POLAR PROGRAMS		DIRECT	NATIONAL SCIENCE FOUNDATION		3,546,435	219,353
47.078	POLAR PROGRAMS		PASS THROUGH	OREGON STATE UNIVERSITY	S2306L	98,459	
47.078	POLAR PROGRAMS	COVID-19	PASS THROUGH	OREGON STATE UNIVERSITY	S2306L-F	114,902	
47.078	POLAR PROGRAMS		PASS THROUGH	OREGON STATE UNIVERSITY	S2306L-G	203,959	
47.078	POLAR PROGRAMS		PASS THROUGH	PRINCETON UNIVERSITY	SUB0000447	952,026	
47.078	POLAR PROGRAMS		PASS THROUGH	UNIVERSITY OF CHICAGO	Sub AWD100518 ( Sub 000000152 (	24,906	
47.078	POLAR PROGRAMS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00018532	11,743	
47.078	POLAR PROGRAMS		PASS THROUGH	UNIVERSITY OF BUFFALO (A STATE UNIVERSITY OF NEW YORK CAMPUS)	R1293510	103,113	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	COVID-19	DIRECT	NATIONAL SCIENCE FOUNDATION		296,665	40,064
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		DIRECT	NATIONAL SCIENCE FOUNDATION		1,496,841	623
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		PASS THROUGH	ARIZONA STATE UNIVERSITY	ASUB000000617	36	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		PASS THROUGH	BIGELOW LABORATORY FOR OCEAN SCIENCES	A22-0135	24,052	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		PASS THROUGH	CRDF GLOBAL	G-202102-67367	2,836	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		PASS THROUGH	CRDF GLOBAL	G-202303-69991	2,991	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		PASS THROUGH	CRDF GLOBAL	OISE-19-65529	(1,069)	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		PASS THROUGH	CRDF GLOBAL	OISE-20-66886-1	4,048	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		PASS THROUGH	CRDF GLOBAL	R-202109-68106	11,905	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		PASS THROUGH	NATIONAL ACADEMY OF SCIENCES	SCON-10000619	23,644	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		PASS THROUGH	NEW MEXICO STATE UNIVERSITY	Sub Q02309 (214718)	41,428	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF DELAWARE	SUB S1656(1844463)	(6,012)	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF DELAWARE	Sub UDR0000007 (1844463)	78,298	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF PITTSBURGH	CNAVA00055445 (012058-1)	101,762	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTAUS-SUB00000010	53,996	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	Sub UTAUS-SUB00000082 (21)	82,760	
47.079	OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	COVID-19	PASS THROUGH	VANDERBILT UNIVERSITY	UNIV59732	770,659	
47.080	OFFICE OF CYBERINFRASTRUCTURE		DIRECT	NATIONAL SCIENCE FOUNDATION		1,986,098	606,826
47.082	TRANS-NSF RECOVERY ACT RESEARCH SUPPORT	COVID-19	DIRECT	NATIONAL SCIENCE FOUNDATION		87	
47.083	INTEGRATIVE ACTIVITIES	COVID-19	DIRECT	NATIONAL SCIENCE FOUNDATION		232,044	
47.083	INTEGRATIVE ACTIVITIES		DIRECT	NATIONAL SCIENCE FOUNDATION		9,616,489	2,513,138
47.083	INTEGRATIVE ACTIVITIES	COVID-19	PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S5460 PO#659527	20,827	
47.083	INTEGRATIVE ACTIVITIES		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Sub S5522 ( OIA -2134795)	15,037	
47.083	INTEGRATIVE ACTIVITIES		PASS THROUGH	MONTEREY BAY AQUARIUM RESEARCH INSTITUTE	A22-0408-001	52,212	

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47.083	INTEGRATIVE ACTIVITIES		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	S000227-NSF	103,933	
47.083	INTEGRATIVE ACTIVITIES		PASS THROUGH	RICE UNIVERSITY	X03057234	1,171	
47.083	INTEGRATIVE ACTIVITIES		PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	M2200194	11,304	
47.083	INTEGRATIVE ACTIVITIES		PASS THROUGH	UNIVERSITY OF CHICAGO	AWD101485 (SUB00000335)	21,367	
47.083	INTEGRATIVE ACTIVITIES		PASS THROUGH	UNIVERSITY OF CHICAGO	AWD101485 (SUB00000347)	3,767	
47.083	INTEGRATIVE ACTIVITIES		PASS THROUGH	UNIVERSITY OF DELAWARE	UDR0000344	157,369	
47.083	INTEGRATIVE ACTIVITIES	COVID-19	PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00013144	2	
47.083	INTEGRATIVE ACTIVITIES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	A16-0468-014	101,329	
47.083	INTEGRATIVE ACTIVITIES	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13179	97,841	
47.083	INTEGRATIVE ACTIVITIES		PASS THROUGH	WOODS HOLE OCEANOGRAPHIC INSTITUTION	A101563	49,936	
47.084	NSF TECHNOLOGY, INNOVATION, AND PARTNERSHIPS	COVID-19	DIRECT	NATIONAL SCIENCE FOUNDATION		1,175,247	787,251
47.084	NSF TECHNOLOGY, INNOVATION, AND PARTNERSHIPS		DIRECT	NATIONAL SCIENCE FOUNDATION		3,254,802	958,371
47.084	NSF TECHNOLOGY, INNOVATION, AND PARTNERSHIPS		PASS THROUGH	ARIZONA STATE UNIVERSITY	ASUB000001205 (2229385)	45,548	
47.084	NSF TECHNOLOGY, INNOVATION, AND PARTNERSHIPS		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	SUB: 1123649-463411 (2241237)	13,070	
47.084	NSF TECHNOLOGY, INNOVATION, AND PARTNERSHIPS		PASS THROUGH	CARYN BRADLEY	222923	80,909	
47.084	NSF TECHNOLOGY, INNOVATION, AND PARTNERSHIPS		PASS THROUGH	LEARN COLLABORATE INC.	224681	2,172	
47.084	NSF TECHNOLOGY, INNOVATION, AND PARTNERSHIPS		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S5951 PO#862403	26,809	
47.084	NSF TECHNOLOGY, INNOVATION, AND PARTNERSHIPS		PASS THROUGH	UNIVERSITY OF WASHINGTON	2229291	45,108	
47.084	NSF TECHNOLOGY, INNOVATION, AND PARTNERSHIPS		PASS THROUGH	VRIENDS CORP	A23-0535-001	39,008	
47.RD	FEDERAL CONTRACTS		DIRECT	NATIONAL SCIENCE FOUNDATION		254,373	5,407
47.RD	FEDERAL CONTRACTS		PASS THROUGH	COLUMBIA UNIVERSITY IRVING MEDICAL CENTER	1(GG014700-01)	2,715	
47.RD	FEDERAL CONTRACTS		PASS THROUGH	AMERICAN SOCIOLOGICAL ASSOCIATION	ASA-5672137	15,078	
47.RD	FEDERAL CONTRACTS		DIRECT	NATIONAL SCIENCE FOUNDATION		3,220,591	66,352
47.RD	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA HUMANITIES	RP-3025	5,500	
47.RD	FEDERAL CONTRACTS		PASS THROUGH	CORNELL UNIVERSITY	OCE-2109607	192,447	45,571
47.RD	FEDERAL CONTRACTS		PASS THROUGH	SEVEN BIOSCIENCES, INC.	A20-3901	16,374	
47.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF MINNESOTA	A009688001	11,914	
47.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	21-4348	(766)	
47.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	22-4863	19,996	
47.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	22-4869	14,973	
47.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	22-4871	19,999	
47.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	22-4873	17,647	
47.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	23-4998	60,000	
47.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	23-5168	1,559	
47.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	23-5263	384	
47.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF WISCONSIN SYSTEM	2005319	70,499	
59.037	SMALL BUSINESS DEVELOPMENT CENTERS	COVID-19	PASS THROUGH	CALIFORNIA STATE POLYTECHNIC UNIVERSITY, HUMBOLDT	S4370	84,671	
59.037	SMALL BUSINESS DEVELOPMENT CENTERS		PASS THROUGH	CALIFORNIA STATE UNIVERSITY FULLERTON/CU FULLERTON AUXILIARY	S-7789-UCI	39,374	
64.RD	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF VETERANS ADMINISTRATION		6,284,821	
66.001	AIR POLLUTION CONTROL PROGRAM SUPPORT		PASS THROUGH	AIR RESOURCES BOARD	011736	724	
66.001	AIR POLLUTION CONTROL PROGRAM SUPPORT		PASS THROUGH	EASTERN RESEARCH GROUP, INC.	013151	2,786	
66.001	AIR POLLUTION CONTROL PROGRAM SUPPORT		PASS THROUGH	EASTERN RESEARCH GROUP, INC.	013152	4,502	
66.001	AIR POLLUTION CONTROL PROGRAM SUPPORT		PASS THROUGH	EASTERN RESEARCH GROUP, INC.	013154	20,026	
66.204	MULTIPURPOSE GRANTS TO STATES AND TRIBES		PASS THROUGH	AIR RESOURCES BOARD	98T282010AA	116,847	
66.312	STATE ENVIRONMENTAL JUSTICE COOPERATIVE AGREEMENT PROGRAM		PASS THROUGH	LOS ANGELES COUNTY DEVELOPMENT AUTHORITY	NP-2022-4	8,570	
66.456	NATIONAL ESTUARY PROGRAM		PASS THROUGH	ASSOCIATION OF BAY AREA GOVERNMENTS	SFEP-24923	22,934	
66.456	NATIONAL ESTUARY PROGRAM		PASS THROUGH	ASSOCIATION OF BAY AREA GOVERNMENTS	SFEP-25882	43,286	
66.509	SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM	COVID-19	DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		206,988	95,610
66.509	SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM		DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		1,777,463	122,158
66.509	SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005843200	25,012	
66.509	SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM		PASS THROUGH	TULANE UNIVERSITY OF LOUISIANA	013064	20,229	
66.509	SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS SYSTEM	84045501-0	2,966	
66.511	OFFICE OF RESEARCH AND DEVELOPMENT CONSOLIDATED RESEARCH/TRAINING/FELLOWSHIPS		PASS THROUGH	MCGILL UNIVERSITY	4976-RFA19-1/20-10	22,630	
66.511	OFFICE OF RESEARCH AND DEVELOPMENT CONSOLIDATED RESEARCH/TRAINING/FELLOWSHIPS		PASS THROUGH	THE WATER RESEARCH FOUNDATION	012823	59,844	
66.516	P3 AWARD: NATIONAL STUDENT DESIGN COMPETITION FOR SUSTAINABILITY	COVID-19	DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		29,120	
66.516	P3 AWARD: NATIONAL STUDENT DESIGN COMPETITION FOR SUSTAINABILITY		DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		92,248	
66.521	INNOVATIVE WATER TECHNOLOGY GRANT PROGRAM		PASS THROUGH	WEST VIRGINIA UNIVERSITY	84046801	43,408	
66.605	PERFORMANCE PARTNERSHIP GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF PESTICIDE REGULATION	012760	104,711	
66.611	ENVIRONMENTAL POLICY AND INNOVATION GRANTS		DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		2,273	1,406
66.708	POLLUTION PREVENTION GRANTS PROGRAM		DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		110,482	

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
66.716	RESEARCH, DEVELOPMENT, MONITORING, PUBLIC EDUCATION, OUTREACH, TRAINING, DEMONSTRATIONS, AND STUDIES		DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		1,391,316	150,457
66.716	RESEARCH, DEVELOPMENT, MONITORING, PUBLIC EDUCATION, OUTREACH, TRAINING, DEMONSTRATIONS, AND STUDIES		PASS THROUGH	COLORADO STATE UNIVERSITY	83996902	95,681	
66.716	RESEARCH, DEVELOPMENT, MONITORING, PUBLIC EDUCATION, OUTREACH, TRAINING, DEMONSTRATIONS, AND STUDIES		PASS THROUGH	EXTENSION FOUNDATION	SA-2022-07	15,937	
66.716	RESEARCH, DEVELOPMENT, MONITORING, PUBLIC EDUCATION, OUTREACH, TRAINING, DEMONSTRATIONS, AND STUDIES		PASS THROUGH	OREGON STATE UNIVERSITY	83947901	23,328	
66.808	SOLID WASTE MANAGEMENT ASSISTANCE GRANTS		DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		69,217	
66.RD	FEDERAL CONTRACTS	COVID-19	DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		10	
66.RD	FEDERAL CONTRACTS		DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		3,861	
66.RD	FEDERAL CONTRACTS		PASS THROUGH	EASTERN RESEARCH GROUP, INC.	013703	93,345	
66.RD	FEDERAL CONTRACTS		PASS THROUGH	HEALTH EFFECTS INSTITUTE	R-83998101	169,268	
66.RD	FEDERAL CONTRACTS		PASS THROUGH	NEVADA DIVISION OF ENVIRONMENTAL PROTECTION	DPS 20-068	5,640	
66.RD	FEDERAL CONTRACTS		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	11-312-0217117-66588L	43,520	
77.008	U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM		DIRECT	NUCLEAR REGULATORY COMMISSION		153,336	
77.RD	FEDERAL CONTRACTS		DIRECT	NUCLEAR REGULATORY COMMISSION		46,732	
77.RD	FEDERAL CONTRACTS		PASS THROUGH	SOUTHWEST RESEARCH INSTITUTE	N99021BB	90,309	
81.036	INVENTIONS AND INNOVATIONS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	A22-0582	49,592	
81.036	INVENTIONS AND INNOVATIONS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	A22-0774-001	360	
81.036	INVENTIONS AND INNOVATIONS	COVID-19	PASS THROUGH	UT-BATTELLE, LLC	4000159454	383,231	
81.041	STATE ENERGY PROGRAM		PASS THROUGH	WEST BIOFUELS LLC	Sub 20190948 (DE-EE0008510)	5	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		DIRECT	DEPARTMENT OF ENERGY (DOE)		12,001,772	850,673
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		DIRECT	DEPARTMENT OF ENERGY (DOE)		80,647,334	5,901,791
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		98,491	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	ADAMAS NANOTECHNOLOGIES	052875	117,013	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	ALGENESIS CORPORATION	SUB 30025299 (DE-SC0019986)	8,127	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	ALLIANCE FOR SUSTAINABLE ENERGY, LLC	Sub 30023384	26,002	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	ARGONNE NATIONAL LABORATORY	2F-60311	62,010	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	ARGONNE NATIONAL LABORATORY	A21-0807	79,500	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	ARIZONA STATE UNIVERSITY	012064	393,227	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	ARIZONA STATE UNIVERSITY	ASUB00000188	22,642	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	ARIZONA STATE UNIVERSITY	ASUB000001288	65,917	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	AUTOMAT SOLUTIONS, INC.	013255	152,582	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	BAYLOR UNIVERSITY	012034	49,774	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	BRANDEIS UNIVERSITY	GR404240	309,788	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	198731	17,423	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	233044	163,524	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	BROWN UNIVERSITY	00002177	4,510	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	CACTUS MATERIALS, INC.	A20-0813-001	(319)	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	CACTUS MATERIALS, INC.	A21-0394-001	27,494	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	CACTUS MATERIALS, INC.	A21-0756	45,914	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S495187	171,721	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S534321	143,731	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	SUB 681CAP-1090300 (DE-SC00049	(258)	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	SUB S450724 (DE-SC0020373)	94,906	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	Sub \$495155 (DE-SC0021266)	238,401	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	Sub \$532207(DE-SC0022089)	154,288	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	Sub \$592889 (DE-SC0022991)	19,307	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	1070142-464197	58,096	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	COLUMBIA UNIVERSITY	Sub 1(GIG008714) (DE-SC0018218)	81	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	CORNELL UNIVERSITY	86832-11130	25,129	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	DARTMOUTH COLLEGE	R1573	175,561	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	DISSIGNO INTERNATIONAL, INC.	A23-1333	42,573	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	FERMI NATIONAL ACCELERATOR LABORATORY	Sub 657041 (DE-AC02-07CH11359)	380,869	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	FERMI NATIONAL ACCELERATOR LABORATORY	Sub 685800 (DE-AC02-07CH11359)	69,541	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	6852859 (DE-AC02-07CH11359)	38,511	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	A23-0703-001	13,330	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	A23-2927	72,648	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	FLORIDA STATE UNIVERSITY	ISL-FSU-3144-083022	57,868	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	FREEDOM PHOTONICS LLC	A20-3255	336,039	44,781
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	GENERAL ATOMICS	4500059085	(118)	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	GENERAL ATOMICS	Sub 4500071386 (DE-SC0018108)	30,542	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	GENERAL ATOMICS	SUB 450008861 (DE-FC02-04ER)	125,637	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	013636	64,776	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	AWD-102524-G1	64,648	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	GINER, INC.	407943	24,199	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	GLOBAL ALGAE INNOVATIONS INC.	Sub 20195147 (DE-SC0018781)	(1,573)	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	HARVARD UNIVERSITY	130298-5106298	228,617	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	INDIANA UNIVERSITY	9661-UCB	54,891	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	IOWA STATE UNIVERSITY	401-21-37D	(243)	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	J. CRAIG VENTER INSTITUTE	Sub JCVI-17-014 (DE-SC0018344)	185,218	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	R01HL144651-04	122,341	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	JOHN HOPKINS UNIVERSITY	Sub 200403307 (DE-SC0019388)	863	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	A20-0719	14,914	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	A20-0769	71,009	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	A21-0670	44,843	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	A21-0838	71,858	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	A22-0730-001	26,526	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	A23-0752-001	5,328	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B628449	27,515	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B649056	9,566	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	Sub B640113 (B623353)	21,853	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	DE-SC0022054	13,537	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S4686 - PO	(36)	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S5711 PO#766137	152,813	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S5869	171,950	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	MONTANA STATE UNIVERSITY	DE-SC0021369	246,742	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	NALU SCIENTIFIC LLC	A21-0795-001	(1,245)	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	A21-0407	123,093	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	NHANCED SEMICONDUCTORS	A20-3268	140,104	17,498
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	NIKIRA LABS INC.	055184	7,043	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	NORTHWESTERN UNIVERSITY	60051564UCB	(791)	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	NORTHWESTERN UNIVERSITY	60054427 UCI	25,041	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	NORTHWESTERN UNIVERSITY	60057508BERK	117,790	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	NORTHWESTERN UNIVERSITY	60060720 BERK	313,874	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	NORTHWESTERN UNIVERSITY	60063257 UC-IRV	2,102	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	NORTHWESTERN UNIVERSITY	Sub 60057508 UCSD (DE-SC002 )	140,485	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	NORTHWESTERN UNIVERSITY	Sub 60060511 UCSD (DE-SC002 )	289,029	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	OPTELIGENT, LLC	A20-3254	166,125	3,805
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	013422	39,962	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	503235	144,351	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	PRINCETON UNIVERSITY	SUB80000544	51,018	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	PURDUE UNIVERSITY	14000393-022	228,312	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	Q-CHEM, INC.	DE-SC0022364	31,806	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	STANFORD UNIVERSITY	20190002	34,568	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	STANFORD UNIVERSITY	61961563-136555	170,679	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	STANFORD UNIVERSITY	A22-0382	95,544	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	STANFORD UNIVERSITY	DE-SC0022296	57,599	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	TEXAS TECH UNIVERSITY	DE-SC0020204	8,488	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	THE UNIVERSITY OF ALABAMA	VR-031811-01+B3146	47,826	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	C2412	25,533	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	ULTRAMET	18640	4,584	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY CORPORATION FOR ATMOSPHERIC RESEARCH	1765	11,510	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF ARKANSAS, FAYETTEVILLE	UA2023-354	31,202	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF DELAWARE	51428	180,495	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF GEORGIA	SUB800002984	840	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF IDAHO	SH5849-772894	88,684	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	090634-16915	103,414	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF IOWA	S00456-01	126,157	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF MICHIGAN	3004764256	133,263	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00011112	113,533	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00013029	38,102	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00015006(DE-NA0004030)	126,857	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF MINNESOTA	A004527503	6,197	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF MINNESOTA	A007230203	235,035	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF MINNESOTA	A007660701	29,358	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF MINNESOTA	A010469803	241,657	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	DE-SC0020360	72,402	

**University of California**  
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81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	143749629	30,523	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	131471842-L	3,200	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF TENNESSEE	DE-SC0022311	95,713	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	SUB UT18-001255(DE-SC0019100)	14,355	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTA18-001379	788,902	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF TEXAS AT DALLAS	A22-0379	37,584	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF UTAH	10051975	98,211	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF UTAH	DE-SC0019285	35,420	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF WASHINGTON	SUB UWSCI0739(DE-SC0019288)	2,404	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC14342 71271 (DE-SC0019)	126,469	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000000368	266,157	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	614K924	(9)	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UT-BATTELLE, LLC	4000154999	81,508	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UT-BATTELLE, LLC	CW41627	41,744	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM		PASS THROUGH	UT-BATTELLE, LLC	CW43521	69,041	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	429438-19910	(23,147)	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	VISTA CLARA INC.	A22-0756-001	5,408	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	WAYNE STATE UNIVERSITY	WSU22052(DE-SC0022134)	131,275	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	WAYNE STATE UNIVERSITY	WSU22053	310,114	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	LOS ALAMOS NATIONAL SECURITY, LLC	520116	542,636	
81.049	OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	COVID-19	PASS THROUGH	STONY BROOK UNIVERSITY (A STATE UNIVERSITY OF NEW YORK CAMPUS)	72115/1126474/2	30,102	
81.057	UNIVERSITY CO-OP RESEARCH		DIRECT	DEPARTMENT OF ENERGY (DOE)		336,005	
81.086	CONSERVATION RESEARCH AND DEVELOPMENT		DIRECT	DEPARTMENT OF ENERGY (DOE)		5,258,018	1,631,303
81.086	CONSERVATION RESEARCH AND DEVELOPMENT	COVID-19	DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		(6,012)	
81.086	CONSERVATION RESEARCH AND DEVELOPMENT		PASS THROUGH	CALSTART	012221	225,675	
81.086	CONSERVATION RESEARCH AND DEVELOPMENT		PASS THROUGH	CENTER FOR ENERGY AND ENVIRONMENT	A19-1934	9,266	
81.086	CONSERVATION RESEARCH AND DEVELOPMENT		PASS THROUGH	CUMMINS, INC	050528	143,531	
81.086	CONSERVATION RESEARCH AND DEVELOPMENT		PASS THROUGH	GENERAL MOTORS LLC	013342	186,016	
81.086	CONSERVATION RESEARCH AND DEVELOPMENT		PASS THROUGH	NOBLE THERMODYNAMIC SYSTEMS INC.	050419	154,354	
81.086	CONSERVATION RESEARCH AND DEVELOPMENT		PASS THROUGH	SUNPOWER CORPORATION	220667	140,049	
81.086	CONSERVATION RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC12247	66,785	
81.086	CONSERVATION RESEARCH AND DEVELOPMENT		PASS THROUGH	XTELLIGENT, INC.	013298	123,859	
81.086	CONSERVATION RESEARCH AND DEVELOPMENT		PASS THROUGH	STONY BROOK UNIVERSITY (A STATE UNIVERSITY OF NEW YORK CAMPUS)	Sub 82192/1148574/2(DE-SC00192	66,388	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		DIRECT	DEPARTMENT OF ENERGY (DOE)		21,077,532	7,569,421
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		221,910	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	COVID-19	PASS THROUGH	ARIZONA STATE UNIVERSITY	Sub ASUB00000945 (DE-EE000)	72,089	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	COVID-19	PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	325257	19,411	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	COLORADO STATE UNIVERSITY	G-64006-02	40,874	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	CORNELL UNIVERSITY	Sub 81344-10987 (DE-EE0007978)	(989)	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	CZERO, LLC	SB200247	42,696	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	DUKE UNIVERSITY	A19-0484	29,103	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	ELECTRIC POWER RESEARCH INSTITUTE	011440	13,369	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	INVIZYNE TECHNOLOGIES, INC.	2020-01UCLA	63,519	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	A22-3140	51,629	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B639114	117,584	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B646346/B623353	174,379	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B647902	15,969	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B652215	227,161	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	NATEL ENERGY, INC.	EE0008777	(526)	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	NEW MEXICO CONSORTIUM, INC.	Sub 671-004 (DE-EE0008902)	149,214	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	SUNSPEC ALLIANCE	SUB PO 1104 (DE-EE0008759)	16,893	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	SUSTAINABLE MANUFACTURING INNOVATION ALLIANCE CORP.	21-01-RR-5056	74,564	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	SUSTAINABLE MANUFACTURING INNOVATION ALLIANCE CORP.	21-01-SA-5104	131,703	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	TERABASE ENERGY, INC.	051661	288,123	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	TUFTS UNIVERSITY	104040-00001	95,327	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	TUFTS UNIVERSITY	Sub 104040-00001 (DE-EE0009)	50,661	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF CENTRAL FLORIDA	DE-EE0008746	89,838	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF DELAWARE	DE-EE0009362	24,163	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	UT-BATTELLE, LLC	CW44186	38,585	
81.087	RENEWABLE ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	WORCESTER POLYTECHNIC INSTITUTE	011481	74,795	
81.089	FOSIL ENERGY RESEARCH AND DEVELOPMENT		DIRECT	DEPARTMENT OF ENERGY (DOE)		2,941,346	495,801
81.089	FOSIL ENERGY RESEARCH AND DEVELOPMENT		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		131,704	
81.089	FOSIL ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	GE GLOBAL RESEARCH	401162738	35,114	
81.089	FOSIL ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	GE GLOBAL RESEARCH	401169430	79,676	
81.089	FOSIL ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	TDA RESEARCH, INC.	GA.2201.011.UCI19.01	(267)	

**University of California**  
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81.089	FOSSIL ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	119684338	89,737	
81.089	FOSSIL ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	877K855	127,294	
81.089	FOSSIL ENERGY RESEARCH AND DEVELOPMENT		PASS THROUGH	UNIVERSITY OF KANSAS / UNIVERSITY OF KANSAS CENTER FOR RESEARCH	FY2020-035	284,133	
81.108	EPIDEMIOLOGY AND OTHER HEALTH STUDIES FINANCIAL ASSISTANCE PROGRAM		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		290,630	
81.112	STEWARSHIP SCIENCE GRANT PROGRAM		DIRECT	DEPARTMENT OF ENERGY (DOE)		2,361,686	316,406
81.112	STEWARSHIP SCIENCE GRANT PROGRAM		PASS THROUGH	CORNELL UNIVERSITY	Sub 83228-10970 (DE-NA0003764)	151,314	
81.112	STEWARSHIP SCIENCE GRANT PROGRAM		PASS THROUGH	GENERAL ATOMICS	Sub 4500083835(DE-NA0003939)	(184)	
81.112	STEWARSHIP SCIENCE GRANT PROGRAM		PASS THROUGH	HARVARD UNIVERSITY	DE-NA0003904	641	
81.112	STEWARSHIP SCIENCE GRANT PROGRAM		PASS THROUGH	HARVARD UNIVERSITY	DE-NA0004084	70,769	
81.112	STEWARSHIP SCIENCE GRANT PROGRAM		PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	M1803474	955,941	
81.112	STEWARSHIP SCIENCE GRANT PROGRAM		PASS THROUGH	UNIVERSITY OF ROCHESTER	6 U01CK000643-01-04	202,497	
81.113	DEFENSE NUCLEAR NONPROLIFERATION RESEARCH		DIRECT	DEPARTMENT OF ENERGY (DOE)		5,223,682	2,516,144
81.113	DEFENSE NUCLEAR NONPROLIFERATION RESEARCH		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	AWD-000372-G14	69,235	
81.113	DEFENSE NUCLEAR NONPROLIFERATION RESEARCH		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	DE-AC52-07NA27344	261,362	
81.113	DEFENSE NUCLEAR NONPROLIFERATION RESEARCH		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	Sub 507174	(180)	
81.113	DEFENSE NUCLEAR NONPROLIFERATION RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00010006	185,252	
81.117	ENERGY EFFICIENCY AND RENEWABLE ENERGY INFORMATION DISSEMINATION, OUTREACH, TRAINING AND TECHNICAL ANALYSIS/ASSISTANCE		DIRECT	DEPARTMENT OF ENERGY (DOE)		273,186	67,200
81.117	ENERGY EFFICIENCY AND RENEWABLE ENERGY INFORMATION DISSEMINATION, OUTREACH, TRAINING AND TECHNICAL ANALYSIS/ASSISTANCE		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY			
81.119	STATE ENERGY PROGRAM SPECIAL PROJECTS		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	Sub 1070261-436503 (DE-SC00)	46,995	
81.119	STATE ENERGY PROGRAM SPECIAL PROJECTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	A22-3269	40,012	
81.119	STATE ENERGY PROGRAM SPECIAL PROJECTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	Subaward 556805 (DE-AC05-76 )	44,146	
81.119	STATE ENERGY PROGRAM SPECIAL PROJECTS		PASS THROUGH	STANFORD UNIVERSITY	Sub 204069 (DE-AC02-76SF00515)	107,281	
81.121	NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION		DIRECT	DEPARTMENT OF ENERGY (DOE)		19,742	
81.121	NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	AWD-002989-G1	2,381,611	147,088
81.121	NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	SS190	118,033	
81.121	NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION		PASS THROUGH	NORTH CAROLINA STATE UNIVERSITY	2019-2349-02	175,549	
81.121	NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION		PASS THROUGH	NORTH CAROLINA STATE UNIVERSITY	2020-2006-01	50,876	
81.121	NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION		PASS THROUGH	UNIVERSITY OF ALASKA SYSTEM	UA23-0053	196,472	
81.121	NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION		PASS THROUGH	UNIVERSITY OF TENNESSEE	010336	10,963	
81.121	NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION		PASS THROUGH	UNIVERSITY OF TENNESSEE	A21-0478-5002	(1,678)	
81.121	NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000001771	329,821	
81.121	NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000001824	110,956	
81.121	NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION		PASS THROUGH	VIRGINIA COMMONWEALTH UNIVERSITY	FP00014623_SA001	174,315	
81.121	NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION		PASS THROUGH	STONY BROOK UNIVERSITY (A STATE UNIVERSITY OF NEW YORK CAMPUS)	95821/178553/2	32,542	
81.122	ELECTRICITY RESEARCH, DEVELOPMENT AND ANALYSIS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	A23-0742-001	80,373	
81.122	ELECTRICITY RESEARCH, DEVELOPMENT AND ANALYSIS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	Sub B639340 (B23353)	64,189	
81.122	ELECTRICITY RESEARCH, DEVELOPMENT AND ANALYSIS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	Sub 2082375	(7,157)	
81.123	NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM		DIRECT	DEPARTMENT OF ENERGY (DOE)		17,246	
81.123	NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	A17-0695	642,219	
81.123	NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	A17-0696	2,623	
81.123	NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	A17-0699	15,592	
81.123	NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	A23-0506	280,346	
81.123	NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	A23-0510-001	18,772	
81.123	NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	A23-0529	91,358	
81.123	NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	A23-0542	632,092	
81.123	NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	A23-0603-001	29,327	
81.123	NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	C 5109	14,460	
81.123	NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM		PASS THROUGH	FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY	1070143-461745	269,759	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		DIRECT	DEPARTMENT OF ENERGY (DOE)		11,944,683	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S539925	2,406,988	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	1070143-461745	95,859	
						71,932	

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	DEEP ISOLATION US LLC	AR-355-12.21	275,581	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	GE GLOBAL RESEARCH	401157062	146,697	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	HP INC.	HPEPO112828	35,988	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	INVIZYNE TECHNOLOGIES, INC.	NRG-Ganz-GV9	344,726	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub2004667924(DE-AR0001191)	53,739	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B648547	(148)	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	LEHIGH UNIVERSITY	Sub 543891-78002(DE-AR0001073)	(45,102)	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	COVID-19	PASS THROUGH	MARINE BIOLOGICAL LABORATORIES	54334	88,601	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S5694 PO#777275	44,596	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	s5775 PO #804669	258,222	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	NORTHWESTERN UNIVERSITY	60056489 UCI	7,752	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	OCEAN ERA, LLC	1037-001	122,152	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	OCEAN ERA, LLC	SUB 1037-003 (DE-AR0001037)	60,037	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	PERLUMI CHEMICALS, INC.	054017	27,988	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	PING THINGS, INC.	DE-AR0001104-UCB1	13,155	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	PRINCETON UNIVERSITY	SUB0000441	91,412	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	SEQUOIA SCIENTIFIC, INC.	DE-AR0001232	5,502	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	COVID-19	PASS THROUGH	SRI INTERNATIONAL	PO61757	171,753	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	STANFORD UNIVERSITY	62291108-137893	31,870	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	TRAFFIC TECHNOLOGY SERVICES, INC.	054676	68,106	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1557736	114,017	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	SUB 80152- Z7064203	70,363	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00009722	74,407	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00010994	402	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	UNIVERSITY OF TENNESSEE	013673	69,922	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	UNIVERSITY OF TEXAS AT ARLINGTON	2022GC0818	118,014	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	183405383	131,577	
81.135	ADVANCED RESEARCH PROJECTS AGENCY - ENERGY		PASS THROUGH	ZYMOCHEM, INC.	A22-0750	257,604	
81.139	ENVIRONMENTAL MANAGEMENT R&D AND VALIDATION TESTING ON HIGH EFFICIENCY PARTICULATE AIR (HEPA) FILTERS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		2,554	
81.140	LOS ALAMOS NATIONAL LABORATORY - FIRE PROTECTION		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	CR2447	332,033	
81.RD	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF ENERGY (DOE)		1,153,046	
81.RD	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		21,686,992	353,771
81.RD	FEDERAL CONTRACTS		PASS THROUGH	ALLIANCE FOR SUSTAINABLE ENERGY, LLC	013424	56,693	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	ALLIANCE FOR SUSTAINABLE ENERGY, LLC	SUB-2022-10083	135,320	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	ALLIANCE FOR SUSTAINABLE ENERGY, LLC	SUB-2022-10165	69,705	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	ALLIANCE FOR SUSTAINABLE ENERGY, LLC	SUB-2022-10286	57,966	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	ALLIANCE FOR SUSTAINABLE ENERGY, LLC	SUB-2021-10459 (DE-AC36-08G)	(12,393)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	AMES LABORATORY	SC-20-533	353,400	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	AMES LABORATORY	SC-21-554	39,631	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	ARGONNE NATIONAL LABORATORY	011089	788	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	ARGONNE NATIONAL LABORATORY	1F-60520	341,432	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	ARGONNE NATIONAL LABORATORY	1F-60524	219,168	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	ARGONNE NATIONAL LABORATORY	8F-30225	88,419	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	ARGONNE NATIONAL LABORATORY	9F-60030	12,112	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	ARGONNE NATIONAL LABORATORY	DE-AC02-06CH11357	100,329	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	BATTELLE ENERGY ALLIANCE, LLC	012320	48,317	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	BATTELLE ENERGY ALLIANCE, LLC	257892	12,656	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	BATTELLE MEMORIAL INSTITUTE	658057	2,180	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	BATTELLE MEMORIAL INSTITUTE	658698	20,474	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	BATTELLE MEMORIAL INSTITUTE	A22-3223	32,000	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	366357	38	
81.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	380680	19,829	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	391071	171,996	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	39554	156,402	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	410828	46,920	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	411822	1,766,740	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	412704	107,145	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	BROOKHAVEN SCIENCE ASSOCIATES, LLC	63913	352,419	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA ENERGY COMMISSION	013283	11,937	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	DE-AR0001127	121,256	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	CREATIVE POWER SOLUTIONS (USA), INC	221196	134,999	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	CZERO, LLC	SB200245	626	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI NATIONAL ACCELERATOR LABORATORY	672122	80,060	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	654315	499,485	

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81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	654998	29,961	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	657498	96,836	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	657932	304,671	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	659035	156,751	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	666201	275,796	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	666323	6,694	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	677918	57,060	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	682008	14,974	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	683587	47,741	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	684754	101,681	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	690059	40,692	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	690447	43,008	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	691058	55,810	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	DE-AC02-07CH11359	36,309	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	FUEL CELL ENERGY INC.	F72018000152	39,850	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	GENERAL ATOMICS	PO4500093528	155,144	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	GLYCOSURF LLC	DE-SC0021702	13,836	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	JEFFERSON SCIENCE ASSOCIATES, LLC	011527	83,381	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	JEFFERSON SCIENCE ASSOCIATES, LLC	21-D0505	105,693	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	KOOTENAI TRIBE OF IDAHO	19-2256	(8,775)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SE	B650049	3,154	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	013077	12,859	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	5U01AG076804-02	142,779	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	A21-2704	146,920	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	A22-1240	89,587	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	A22-2922	137,552	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B622827	(16)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B623353	37,089	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B628415	31,526	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B628440	(12,083)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B632718	69,836	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B637267	(55)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B638421	4,850	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B639054	74,334	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B639057	17,090	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B639330	19,472	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B641620	105,852	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B642550	100,923	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B642714	117,865	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B643142	10,239	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B644089	129,867	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B644155	(1,352)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B645174	1,119	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B645874	101,387	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B646530	20,115	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B646894	103,417	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B646979	65,737	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B647186	18,638	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B647215	779	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B647316	2,597	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B648405	11,632	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B649362	9,736	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B649519	112,118	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B649554	59,384	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B649777	272,696	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B649810	545,199	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B650324	10,395	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B650501	49,825	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B650660	26,655	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B651131	39,693	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B651337	89,930	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B651928	101,289	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B652219	20,332	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B652254	10,089	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B653054	36,922	

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81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B653077	100,000	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B653597	34,850	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B653655	115,251	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B653692	25,122	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B653945	118,732	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B653946	34,956	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B654233	44,940	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B654505	79,614	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B654508	111,593	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B654590	16,000	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B654720	169,218	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B654999	42,424	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B655102	11,509	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B655147	245,119	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B655224	316,277	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B655720	48,632	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B655754	67,697	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B655788	31,880	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B655862	6,457	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B655914	20,546	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B656066	28,329	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B656114	20,794	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B656358	56,719	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B656448	2,487	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B656730	42,259	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B657560	3,818	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B657751	8,067	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B657792	28,867	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	Sub B648062 (B623353)	(8,667)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	MISSION SUPPORT AND TEST SERVICES LLC	226163 Task Order No. 262853	54,016	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	MISSION SUPPORT AND TEST SERVICES LLC	226163 Task Order No. 268422	49,210	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	MRIGLOBAL	SUB-2022-10043	51,765	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	012588	87,905	86,111
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2105842	53,968	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2149060	175,344	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2169310	40,798	
81.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2208092	36,298	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2212433	16,768	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2221195	189,268	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2233815	37,184	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2246600	91,675	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2313694	90,877	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2321995	104,131	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2331054	39,795	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2340053	80,652	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2347172	33,706	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2354826	41,988	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2365239	12,621	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2420489	50,220	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2424887	33,347	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2439325	71,363	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2443926	22,064	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2446973	28,151	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2458827	2,373	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2460676	25,793	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	A22-4146	31,820	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	A23-2311	15,910	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	A24-0446	22,967	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	PO 2081583	33,480	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	SUB 1646732 (DE-AC04-94AL85000)	(31,841)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	Sub 2213935 (1655264)	(5,727)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	Sub 2261855 (2169310)	(472)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	OAK RIDGE ASSOCIATED UNIVERSITIES, INCORPORATED	SB230123	6,984	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	OCEAN RAINFOREST, INC.	SB220090	39,554	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	007516	(59)	

**University of California**  
**Schedule of Expenditures of Federal Awards**

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81.RD	FEDERAL CONTRACTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	011284	116,971	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	013016	41,235	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	013134	125,250	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	500186	124,984	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	512057	13,730	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	528678	108,867	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	545157	261,486	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	548460	137,651	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	551776	238,717	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	603466	266,417	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	611623	255,601	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	645012	43,597	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PACIFIC NORTHWEST NATIONAL LABORATORY	A21-0692	90,133	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PALO ALTO RESEARCH CENTER LLC	011935	73,975	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PRINCETON PLASMA PHYSICS LABORATORY	S015719	(16)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PRINCETON PLASMA PHYSICS LABORATORY	S220027	33,179	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	PRINCETON PLASMA PHYSICS LABORATORY	S230120	76,971	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	RADIABEAM TECHNOLOGIES, LLC	20164239	(41)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	RADIATION MONITORING DEVICES, INC.	049319	(50)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	SILI-ION INC.	013626	8,144	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	SLAC NATIONAL ACCELERATOR LABORATORY	202523	107,308	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	SLAC NATIONAL ACCELERATOR LABORATORY	207333	137,562	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	SLAC NATIONAL ACCELERATOR LABORATORY	216333	195,516	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	SOLAR TURBINES INCORPORATED	DE-EE0032106	72,655	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	530587	154,189	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	560581	20,186	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	585367	50,515	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	606434	79,742	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	610131	91,059	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	622423	(82)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	622476	(55)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	A22-3097	41,358	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	A22-3694	14,076	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	A23-1359	70,414	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	C1091-383906-V2	29,586	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	C1660	54,858	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	C2888	97,095	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	C3064	56,335	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	C3335	5,796	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	DE-AC52-06NA25396	2,753	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UCHICAGO ARGONNE, LLC	011087	62,249	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UCHICAGO ARGONNE, LLC	011898	81,616	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UCHICAGO ARGONNE, LLC	2F-60090	4,711	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UCHICAGO ARGONNE, LLC	2F-60199	6,834	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UCHICAGO ARGONNE, LLC	2F-60200	16,757	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UCHICAGO ARGONNE, LLC	A22-3082	28,949	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF TEXAS AT SAN ANTONIO	1000003901	83,459	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF TEXAS AT SAN ANTONIO	1000003902	68,570	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF TEXAS AT SAN ANTONIO	DE-E00009046	131,957	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	4000192712	115,976	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	008531	32,694	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	009441	227,099	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	010143	84,875	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	011164	16,468	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	012295	(4,665)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	4000168298	(12,904)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	4000178376	81,996	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	4000186583	131,360	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	4000187240	173,060	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	4000192807	7,065	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	4000194300	764,513	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	A21-4033	27,724	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	CW21849	45,564	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	CW41461	120,000	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	CW41516	223,510	

**University of California**  
**Schedule of Expenditures of Federal Awards**

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81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	CW41608	112,136	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	CW47100	29,482	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	UT-BATTELLE, LLC	DE-AC05-00OR22725	2,891	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LOS ALAMOS NATIONAL SECURITY, LLC	351438	57,759	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LOS ALAMOS NATIONAL SECURITY, LLC	487034	1	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LOS ALAMOS NATIONAL SECURITY, LLC	525705	(2,408)	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LOS ALAMOS NATIONAL SECURITY, LLC	591792	18,256	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	LOS ALAMOS NATIONAL SECURITY, LLC	89233218CNA000001	208,687	
84.015	NATIONAL RESOURCE CENTERS PROGRAM FOR FOREIGN LANGUAGE AND AREA STUDIES OR FOREIGN LANGUAGE AND INTERNATIONAL STUDIES PROGRAM AND FOREIGN LANGUAGE AND AREA STUDIES FELLOWSHIP PROGRAM		DIRECT	DEPARTMENT OF EDUCATION (ED)			
84.019A	FULBRIGHT-HAYS FACULTY RESEARCH ABROAD (FRA) PROGRAM		DIRECT	DEPARTMENT OF EDUCATION (ED)		3,425,146	2,524
84.022	OVERSEAS PROGRAMS - DOCTORAL DISSERTATION RESEARCH ABROAD		DIRECT	DEPARTMENT OF EDUCATION (ED)		895,291	
84.031	HIGHER EDUCATION INSTITUTIONAL AID		DIRECT	DEPARTMENT OF EDUCATION (ED)		795,018	
84.184	SCHOOL SAFETY NATIONAL ACTIVITIES (FORMERLY, SAFE AND DRUG-FREE SCHOOLS AND COMMUNITIES-NATIONAL PROGRAMS)		DIRECT	DEPARTMENT OF EDUCATION (ED)		2,583	
84.200	GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED		DIRECT	DEPARTMENT OF EDUCATION (ED)		944,772	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	COVID-19	DIRECT	DEPARTMENT OF EDUCATION (ED)		60,015	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		DIRECT	DEPARTMENT OF EDUCATION (ED)		6,661,751	1,073,158
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	COLUMBIA UNIVERSITY	R305X220022	32,946	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	EDUCATIONAL TESTING SERVICE	UCLA-ED-305A	(57)	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	LEHIGH UNIVERSITY	R305A200368	83,056	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	LITERACY DESIGN COLLABORATIVE, INC	20145515	(11)	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	S003130-IES	54,976	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	TULANE UNIVERSITY OF LOUISIANA	TUL-SCC-559827-21/22	158,656	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	UNIVERSITY OF CHICAGO	FP064959-01-PR	219,350	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	UNIVERSITY OF CHICAGO	AWD064959 (SUB00000431)	59,525	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	COVID-19	PASS THROUGH	UNIVERSITY OF CHICAGO	AWD100044(SUB000047)	129,334	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	UNIVERSITY OF GEORGIA	SUB00002772	75,236	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	UNIVERSITY OF MISSOURI	C00072139-1	58,856	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	1776-1081-00-A	34,999	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTAU-SUB00000761	28,270	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	WESTED	S-00016176	27,738	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	WESTED	S-00017683	189,712	
84.305	EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION		PASS THROUGH	WESTED	S-00018364	151,130	
84.324	RESEARCH IN SPECIAL EDUCATION	COVID-19	DIRECT	DEPARTMENT OF EDUCATION (ED)		760,330	104,988
84.324	RESEARCH IN SPECIAL EDUCATION		DIRECT	DEPARTMENT OF EDUCATION (ED)		911,448	334,426
84.324	RESEARCH IN SPECIAL EDUCATION		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	S001170-IES	73,410	
84.324	RESEARCH IN SPECIAL EDUCATION		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	R324A190076	346,495	
84.324	RESEARCH IN SPECIAL EDUCATION		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	SA0000767	26,719	
84.324	RESEARCH IN SPECIAL EDUCATION		PASS THROUGH	SCHOOL DISTRICT OF LEE COUNTY	20204551	996	
84.325	SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES		DIRECT	DEPARTMENT OF EDUCATION (ED)		872,058	208,565
84.326	SPECIAL EDUCATION TECHNICAL ASSISTANCE AND DISSEMINATION TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES		DIRECT	DEPARTMENT OF EDUCATION (ED)		330,925	
84.335	CHILD CARE ACCESS MEANS PARENTS IN SCHOOL	COVID-19	DIRECT	DEPARTMENT OF EDUCATION (ED)		2,069,811	
84.365	ENGLISH LANGUAGE ACQUISITION STATE GRANTS		DIRECT	DEPARTMENT OF EDUCATION (ED)		1,169,203	165,657
84.365	ENGLISH LANGUAGE ACQUISITION STATE GRANTS		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	Sub 5590-UCSD-USDE-0311 (T365)	27,623	
84.365	ENGLISH LANGUAGE ACQUISITION STATE GRANTS		PASS THROUGH	SANTA CLARA UNIVERSITY	A18-0382	155,924	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		DIRECT	DEPARTMENT OF EDUCATION (ED)		(109,769)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA SUBJECT MATTER PROJECT	ESSA22-CHSSP-UCI	10,054	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA SUBJECT MATTER PROJECT	ESSA22-CWP-UCI	18,063	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	CN210095	(923)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA21-CGEP-UCSB	(4,492)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA21-CMP-UCSB	(6,837)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA21-CSP-UCSB	(737)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA21-CWP-UCSB	(12,357)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA22-CMP-UCD	5,000	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA22-CMP-UCSB	17,395	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA22-CSP-UCSB	27,150	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA22-CWP-UCSB	(6)	
84.368	COMPETITIVE GRANTS FOR STATE ASSESSMENTS (FORMERLY GRANTS FOR ENHANCED ASSESSMENT INSTRUMENTS)		PASS THROUGH	COUNCIL OF CHIEF STATE SCHOOL OFFICERS	20193963	65,918	
84.371	COMPREHENSIVE LITERACY DEVELOPMENT		DIRECT	DEPARTMENT OF EDUCATION (ED)		9,114	

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84.374	TEACHER AND SCHOOL LEADER INCENTIVE GRANTS (FORMERLY THE TEACHER INCENTIVE FUND)		PASS THROUGH	THE LEARNING ACCELERATOR	TLA-05628948	111,343	
84.411	EDUCATION INNOVATION AND RESEARCH (FORMERLY INVESTING IN INNOVATION (I3) FUND)		DIRECT	DEPARTMENT OF EDUCATION (ED)		3,796,861	
84.411	EDUCATION INNOVATION AND RESEARCH (FORMERLY INVESTING IN INNOVATION (I3) FUND)		PASS THROUGH	LITERACY DESIGN COLLABORATIVE, INC	20223043	16,793	
84.411	EDUCATION INNOVATION AND RESEARCH (FORMERLY INVESTING IN INNOVATION (I3) FUND)		PASS THROUGH	NATIONAL MATH AND SCIENCE INITIATIVE, INC.	20160003	(1,759)	
84.411	EDUCATION INNOVATION AND RESEARCH (FORMERLY INVESTING IN INNOVATION (I3) FUND)		PASS THROUGH	NATIONAL WRITING PROJECT	92-CA03-2021I3WNTS	(1,420)	
84.411	EDUCATION INNOVATION AND RESEARCH (FORMERLY INVESTING IN INNOVATION (I3) FUND)		PASS THROUGH	NATIONAL WRITING PROJECT	92-CA03-2022I3Network	39,840	
84.417	DIRECTED GRANTS AND AWARDS		PASS THROUGH	UNIVERSITY OF WASHINGTON	30191811 (LM013725)	22,754	
84.423	SUPPORTING EFFECTIVE EDUCATOR DEVELOPMENT PROGRAM		PASS THROUGH	UNIVERSITY OF KANSAS / UNIVERSITY OF KANSAS CENTER FOR RESEARCH	Sub FY2019-055 ( U423A180029 )	5,198	
84.RD	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF EDUCATION (ED)		603,274	163,292
84.RD	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	20213283-05	(6,887)	
84.RD	FEDERAL CONTRACTS		PASS THROUGH	FERMI RESEARCH ALLIANCE, LLC	696543	15,873	
93.008	MEDICAL RESERVE CORPS SMALL GRANT PROGRAM		PASS THROUGH	NATIONAL ASSOCIATION OF COUNTY AND CITY HEALTH OFFICIALS	MRC22-2582	7,143	
93.011	NATIONAL ORGANIZATIONS OF STATE AND LOCAL OFFICIALS		PASS THROUGH	SOMALI FAMILY SERVICE OF SAN DIEGO	Sub 30117380 (HS42679)	74,831	
93.011	NATIONAL ORGANIZATIONS OF STATE AND LOCAL OFFICIALS		PASS THROUGH	UNITED WOMEN OF EAST AFRICA	Sub G32-004 (HS42686)	37,858	
93.043	SPECIAL PROGRAMS FOR THE AGING, TITLE III, PART D, DISEASE PREVENTION AND HEALTH PROMOTION SERVICES		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		27,149	
93.061	INNOVATIONS IN APPLIED PUBLIC HEALTH RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		55,083	
93.061	INNOVATIONS IN APPLIED PUBLIC HEALTH RESEARCH		PASS THROUGH	FLUID DISCOVERY, INC	A138945	65,050	
93.068	CHRONIC DISEASES: RESEARCH, CONTROL, AND PREVENTION		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		768,855	
93.070	ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,532,582	
93.070	ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	22-11167	32,833	
93.073	BIRTH DEFECTS AND DEVELOPMENTAL DISABILITIES - PREVENTION AND SURVEILLANCE		PASS THROUGH	NATIONAL FRAGILE X FOUNDATION	21010101-Sub01	8,744	
93.077	FAMILY SMOKING PREVENTION AND TOBACCO CONTROL ACT REGULATORY RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,907,893	260,783
93.077	FAMILY SMOKING PREVENTION AND TOBACCO CONTROL ACT REGULATORY RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	A2-0230-004	64,213	
93.077	FAMILY SMOKING PREVENTION AND TOBACCO CONTROL ACT REGULATORY RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	sub 122033 ( HL147326 )	149,267	
93.077	FAMILY SMOKING PREVENTION AND TOBACCO CONTROL ACT REGULATORY RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1013329-002_UCDavis	102,192	
93.077	FAMILY SMOKING PREVENTION AND TOBACCO CONTROL ACT REGULATORY RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	R01HL144384	(70,027)	
93.077	FAMILY SMOKING PREVENTION AND TOBACCO CONTROL ACT REGULATORY RESEARCH		PASS THROUGH	PORTLAND STATE UNIVERSITY	007815	2,748	
93.077	FAMILY SMOKING PREVENTION AND TOBACCO CONTROL ACT REGULATORY RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	P006754502	73,675	
93.077	FAMILY SMOKING PREVENTION AND TOBACCO CONTROL ACT REGULATORY RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	560236	111	
93.077	FAMILY SMOKING PREVENTION AND TOBACCO CONTROL ACT REGULATORY RESEARCH		PASS THROUGH	WESTAT	6782-S-01	8,087	
93.078	STRENGTHENING EMERGENCY CARE DELIVERY IN THE UNITED STATES HEALTHCARE SYSTEM THROUGH HEALTH INFORMATION AND PROMOTION		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		31,563	
93.080	BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		(3,332)	
93.080	BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDX2020CDC-UCD-01	14,516	
93.080	BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	Sub CIBDX2015CDC-UCSD-1 ( DDO )	130	
93.080	BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	sub CIBDX2020CDC-UCSD-02	2,543	
93.084	PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		340,108	74,418
93.084	PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES		PASS THROUGH	AEMS CORP.	A23-1138	38,946	
93.084	PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES		PASS THROUGH	HARVARD PILGRIM HEALTH CARE	U54CK000611	67,616	

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93.084	PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES	COVID-19	PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2350954	105,447	
93.084	PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES		PASS THROUGH	STATE UNIVERSITY OF NEW YORK AT ALBANY	sub 6-86001 (1 NU38PS004650-01)	(1,969)	
93.084	PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES		PASS THROUGH	STATE UNIVERSITY OF NEW YORK AT ALBANY	sub 8-93075 (6 NU38PS004650 )	157,211	
93.084	PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	3002578	29,578	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	DIRECT		DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		8,210,278	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		BRIGHAM AND WOMEN'S HOSPITAL	A139513	340	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	SA-19-4886-01	1,272	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		CHILDREN'S HOSPITAL LOS ANGELES	RGF011721-B	12,633	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	315765	12,975	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	A035045:1	40,092	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		CHILDREN'S HOSPITAL OF PHILADELPHIA	3200840822/PO# 20311256	93,752	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		COLUMBIA UNIVERSITY	GG017607	185,656	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		CUMBERLAND PHARMACEUTICALS INC.	20201844	23,232	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		DUKE UNIVERSITY	207574/215728	3,498	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		IAWA STATE UNIVERSITY	U01FD007683	30,240	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		JOHNS HOPKINS UNIVERSITY	sub 2005529030 (FD005942)	245,428	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		JOHNS HOPKINS UNIVERSITY	Sub 2005564741 (FD005942)	92,000	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		NCT HOLDINGS, INC.	Sub 20200271(FD006872)	(173)	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		NEW YORK MEDICAL COLLEGE	120007	119	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		NEW YORK MEDICAL COLLEGE	123900	8,026	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		THE CHILDREN'S HOSPITAL CORPORATION	Sub GENFD0001824208 (FD006003)	175,830	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZAD00001	38,409	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		UNIVERSITY OF MINNESOTA	Sub N008978101 (FD006335)	2,145	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		UNIVERSITY OF TEXAS M.D. ANDERSON CANCER CENTER	3002029443	205,188	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH	PASS THROUGH		VIRGINIA COMMONWEALTH UNIVERSITY	FP00009255_SA008	16,906	
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		860,277	
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		2,967,699	345,929
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		PASS THROUGH	HHT FOUNDATION INTERNATIONAL, INC.	20234827	5,288	
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	FY20.609.007	423	
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	FY22.609.004	7,035	
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	FY22.609.005_AMDS	30,007	
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIXHRS2012 - UCD - 10	(440)	
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIX2012HRSA - UCSD - 11	24,037	
93.113	ENVIRONMENTAL HEALTH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		504,997	
93.113	ENVIRONMENTAL HEALTH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		28,977,332	3,908,907
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	BAYLOR UNIVERSITY	R21ES033389	42,676	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	BECKMAN RESEARCH INSTITUTE OF THE CITY OF HOPE	64375.2011808.669301	68,542	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	BECKMAN RESEARCH INSTITUTE OF THE CITY OF HOPE	R01ES033413	3,319	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, NORTHridge	F-14-3503UCLA	17	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	U01ES029234	209,690	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	CITY OF HOPE	63427.2010840.669303	62,822	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	CITY OF HOPE	R01CA202261-06	242,362	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	COLORADO STATE UNIVERSITY	G-45067-02	(2,786)	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	COLUMBIA UNIVERSITY	013432	53,933	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	COLUMBIA UNIVERSITY	3(GG014926-01)	3,910	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	DREXEL UNIVERSITY	705538	7,174	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	EMORY UNIVERSITY	A541455	8,105	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	EMORY UNIVERSITY	A618930	6,695	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	EMORY UNIVERSITY	A758286	24,462	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	GEORGE MASON UNIVERSITY	E2053552	742	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	A17-0820-007	3,379	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	R01ES031117	103,111	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2003218455	51,048	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	R01ES034554	15,176	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	R24ES030893	5,443	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	MCGILL UNIVERSITY	PT 80521	73,210	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	NORTHEASTERN UNIVERSITY	500821-78051	73,739	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	PRINCETON UNIVERSITY	SUB0000327	92,387	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	01884	(69)	

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93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	01980	(5,291)	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	RESEARCH FOUNDATION FOR MENTAL HYGIENE	R01ES029281	9,980	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	SEATTLE CHILDREN'S HOSPITAL	12943SUB	24,779	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	SENSIT VENTURES, INC.	A22-0579	60,241	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	SILENT SPRING INSTITUTE	7370-USCF-Y01	(838)	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	5-54116	6,075	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF ARIZONA	585501	77,773	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF ARIZONA	R01ES020867	206,158	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	Sub 1557262 (ES027853)	10,111	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY17.625.006	(14,603)	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	Sub FY17.625.007 (ES027698)	1,226	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF IOWA	R01ES031098	270,076	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF MISSOURI	010644	134,239	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF NEW MEXICO	3RNW8	117,648	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF NEW MEXICO	SUB 3RH2 (ES030993)	184,072	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	23-5008	4,672	
93.113	ENVIRONMENTAL HEALTH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	129828894	(1,470)	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	1R01ES030364	87,592	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	sub (139078656)(ES031074)	109,569	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	sub-138959000-ES032295	110,963	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	A16-0601-007	17,757	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	A20-0554	120,932	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	UNIVERSITY OF UTAH	10060076-03	110,317	
93.113	ENVIRONMENTAL HEALTH		PASS THROUGH	WASHINGTON STATE UNIVERSITY	141774 SPC004977	111,618	
93.117	PREVENTIVE MEDICINE RESIDENCY		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		591,615	
93.121	ORAL DISEASES AND DISORDERS RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		(38,492)	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		40,085,367	1,831,058
93.121	ORAL DISEASES AND DISORDERS RESEARCH		DIRECT	LBLN LAWRENCE BERKELEY NATIONAL LABORATORY		(22,812)	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	BIOVINC LLC	5R44DE025524-03S1	(21,977)	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	4500004418	(59)	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	UM1-AI068636 HAVLIR	(894)	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	RES516561	114,511	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	80N5CC22K0751:P00001	178,739	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	KAISER PERMANENTE CENTER FOR HEALTH RESEARCH	sub (D029026) OOS030442-UCSD	(1,591)	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	LANKENAU INSTITUTE FOR MEDICAL RESEARCH	06297-0793	10,415	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	WSU23023	15,275	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	sub F7834-02 (DE029493)	31,601	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	PHOENIX Children's HOSPITAL	U01DE029750	34,906	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	SA00000601	16,364	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	61676501-123526	485	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62619084-131209	265,048	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	STYLOSONIC LLC	Sub 30201341 (DE031196)	8,473	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	644198	36,281	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF CONNECTICUT	UCHC7-163501194	10,264	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB800003181	39,787	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF ILLINOIS CHICAGO	18683	49,210	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	104529-18527	63,496	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	11006000/SR00001691	(363)	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00018366	319,720	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA SYSTEM	R01DE028146	299,676	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	573964	66,776	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00006223 (138754-2)	32,832	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	R01DE027329	45,656	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF PUERTO RICO	2023-000264	266	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	1320797943	428,236	186,825
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	143466103	113,408	30,000
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	5U01CA215709-05	410,814	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00003592	1,010,154	5,318
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00004370	89,474	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00004638	51,353	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	SA0002033	166,848	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	SA0002218	216,522	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	Sub10044863-28 (DE027493)	3,078	
93.121	ORAL DISEASES AND DISORDERS RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	010348	12,693	
93.127	EMERGENCY MEDICAL SERVICES FOR CHILDREN		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTA20-000617	41,862	

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.134	GRANTS TO INCREASE ORGAN DONATIONS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		4,941	
93.135	CENTERS FOR RESEARCH AND DEMONSTRATION FOR HEALTH PROMOTION AND DISEASE PREVENTION	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		123,759	37,578
93.135	CENTERS FOR RESEARCH AND DEMONSTRATION FOR HEALTH PROMOTION AND DISEASE PREVENTION		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,708,697	176,259
93.135	CENTERS FOR RESEARCH AND DEMONSTRATION FOR HEALTH PROMOTION AND DISEASE PREVENTION		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	SUB 18-10753 (NUF2CE002501-01)	(33,706)	
93.136	INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,444,032	37,864
93.136	INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	09-11612	(1,090)	
93.136	INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	22-10916 A1	246,202	
93.136	INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	Sub 20-10737 (NUF2CE002501)	111,895	
93.136	INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS		PASS THROUGH	NATIONWIDE CHILDREN'S HOSPITAL	80GSC23CA024	22,225	
93.136	INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS		PASS THROUGH	UNIVERSITY OF MISSOURI	C00078449-1	20,951	
93.137	COMMUNITY PROGRAMS TO IMPROVE MINORITY HEALTH GRANT PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,033,600	199,826
93.137	COMMUNITY PROGRAMS TO IMPROVE MINORITY HEALTH GRANT PROGRAM		PASS THROUGH	CITY OF CHULA VISTA	SUB 2021-079 (CPIMP211287-0)	3,165,673	
93.137	COMMUNITY PROGRAMS TO IMPROVE MINORITY HEALTH GRANT PROGRAM	COVID-19	PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	106812-Q1055302	36,086	
93.142	NIEHS HAZARDOUS WASTE WORKER HEALTH AND SAFETY TRAINING	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		(48,818)	
93.142	NIEHS HAZARDOUS WASTE WORKER HEALTH AND SAFETY TRAINING		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		2,484,602	618,992
93.143	NIEHS SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND EDUCATION	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		602,037	
93.143	NIEHS SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND EDUCATION		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		2,329,862	139,189
93.143	NIEHS SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND EDUCATION		PASS THROUGH	UNIVERSITY OF MINNESOTA	P008851003	55,268	
93.145	HIV-RELATED TRAINING AND TECHNICAL ASSISTANCE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		118,993	
93.153	COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN, INFANTS, CHILDREN, AND YOUTH (RYAN WHITE PROGRAM PART D WOMEN, INFANTS, CHILDREN AND YOUTH WICY PROGRAM)		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)			
93.157	CENTERS OF EXCELLENCE	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		2,942,083	774,668
93.172	HUMAN GENOME RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		13,471	6,090
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	ARIMA GENOMICS, INC.	Sub 20173614 (HG008118)	38,799,167	6,739,068
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	ARMONICA TECHNOLOGIES, INC.	ATI-222246	2	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	7000001691	28,846	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S380706	212,242	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG014890-02)	(411)	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	2(GG014890-01)	(4,017)	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	203286-4	45,735	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	A20-0400	368,832	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	EUROPEAN BIOINFORMATICS INSTITUTE	A17-0370	358,872	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	117357-5118288	364,214	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	sub 144581-5116058 (HG011485)	422,379	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	OOS030229-USCF	101,129	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	011266	141,643	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1013661_UCSF	313	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	1206	(19,647)	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62528457-140138	3,417	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62732877-210524	54,557	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62775146-210524	149,718	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	U24HG009649	397,625	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	A19-0066	(101,604)	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	THE BROAD INSTITUTE, INC.	Sub 5001318-5500001724 (HG0 )	1,150,526	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	THE BROAD INSTITUTE, INC.	Sub 210368-0224-11 (HG011735)	86,767	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	THE JACKSON LABORATORY	FY21.1067.001	1,606	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	Sub UCHC7-101026114-A1 (HG0098)	287,237	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	UNIVERSITY OF CONNECTICUT	Sub UCHC7-115885228-A3 (HG0098)	(11,195)	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	UNIVERSITY OF CONNECTICUT	Sub UCHC7-129086047-A5 (HG0098)	(217,027)	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	UNIVERSITY OF CONNECTICUT	Sub UCHC7-129086047-A5 (HG0098)	146,859	

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93.172	HUMAN GENOME RESEARCH		PASS THROUGH	UNIVERSITY OF CONNECTICUT	Sub UCHC7-140878217-A6 (HG0098)	(240,147)	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	UNIVERSITY OF CONNECTICUT	SUB UCHC7-162845374 (HG009889)	690,531	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	UNIVERSITY OF OKLAHOMA	2022-71	93,941	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE	20220988-01-CSF	18,960	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13089	1,078,303	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	A20-0399	837,346	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	A22-0099	100,714	
93.172	HUMAN GENOME RESEARCH		PASS THROUGH	YALE UNIVERSITY	CON-80004026 (GR117217)	79,851	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		25,598,409	1,525,829
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	BOSTON UNIVERSITY	A811392:1	274,547	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	BOSTON UNIVERSITY	GENFD0002157331:1	464,684	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	BOSTON UNIVERSITY	R01MH114981-05	106,510	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	BOSTON UNIVERSITY	R21CA245667-02	302,286	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	COLD SPRING HARBOR LABORATORY	Sub 65070112 (DC017695)	(73)	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	COLUMBIA UNIVERSITY	Sub 1(GG013438-01) (DC019908)	13	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	DREXEL UNIVERSITY	R01DC017181	29,444	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	DUKE UNIVERSITY	303000421	279,621	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	GEORGIA STATE UNIVERSITY	SP00015036-01	42,677	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	JACARANDA BIOSCIENCES, INC.	UCSFSub1-2022	84,769	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	MASSACHUSETTS EYE AND EAR INFIRMARY	530750	87,487	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	MASSACHUSETTS EYE AND EAR INFIRMARY	530879	35,091	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	MASSACHUSETTS EYE AND EAR INFIRMARY	530986	37,271	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	MASSACHUSETTS EYE AND EAR INFIRMARY	530988	409,998	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	MASSACHUSETTS EYE AND EAR INFIRMARY	530989	119,007	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	MEDICAL UNIVERSITY OF SOUTH CAROLINA	A23-0008-5001	28,410	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	008310	16,821	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	012107	346,878	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1010095_UCDAVIS	8,341	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	Sub 1016786_UCSD (DC012938)	76,815	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	PURDUE UNIVERSITY	SUB 11001185-005 (DC019129 )	33,121	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	Sub A21-0032-S001 (DC018237)	(6,734)	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	COVID-19	PASS THROUGH	STANFORD UNIVERSITY	R01DC004154	200,891	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	TEMPLE UNIVERSITY	263001-UCI	56,150	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	013333	123,676	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	A134193	1,929	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB800002600	71,069	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB00003128	23,866	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	UNIVERSITY OF NEVADA, RENO	UNR-22-125 (DC016099)	61,839	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	UNIVERSITY OF PITTSBURGH	A132439	3,848	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	21-4433	(38,327)	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	21-4369	71,230	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	22-4900	260,241	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	23-5318	6,057	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	Sub 2121-1001-00-C (DC015901)	127,328	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTA17-000879	78,338	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	UNIVERSITY OF UTAH	10041913-027	675	
93.173	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS		PASS THROUGH	UNIVERSITY OF KENTUCKY/THE UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	Sub 3210001602-21-013 (DC01 )	42,691	
93.185	IMMUNIZATION RESEARCH, DEMONSTRATION, PUBLIC INFORMATION AND EDUCATION TRAINING AND CLINICAL SKILLS IMPROVEMENT PROJECTS		PASS THROUGH	UNIVERSITY OF ROCHESTER	417620 / UR FAO		157,221
93.185	IMMUNIZATION RESEARCH, DEMONSTRATION, PUBLIC INFORMATION AND EDUCATION TRAINING AND CLINICAL SKILLS IMPROVEMENT PROJECTS		PASS THROUGH	UNIVERSITY OF ROCHESTER	SUB00000324/ GR532494		82,594
93.185	IMMUNIZATION RESEARCH, DEMONSTRATION, PUBLIC INFORMATION AND EDUCATION TRAINING AND CLINICAL SKILLS IMPROVEMENT PROJECTS		PASS THROUGH	UNIVERSITY OF ROCHESTER	SUB00000512/UR FAO: GR533230		42,604
93.185	IMMUNIZATION RESEARCH, DEMONSTRATION, PUBLIC INFORMATION AND EDUCATION TRAINING AND CLINICAL SKILLS IMPROVEMENT PROJECTS		PASS THROUGH	UNIVERSITY OF ROCHESTER	U01AG070959-03		27,312
93.185	IMMUNIZATION RESEARCH, DEMONSTRATION, PUBLIC INFORMATION AND EDUCATION TRAINING AND CLINICAL SKILLS IMPROVEMENT PROJECTS		PASS THROUGH	ASSOCIATION OF UNIVERSITY CENTERS ON DISABILITIES	12-8818-23		10,933

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93.185	IMMUNIZATION RESEARCH, DEMONSTRATION, PUBLIC INFORMATION AND EDUCATION TRAINING AND CLINICAL SKILLS IMPROVEMENT PROJECTS		PASS THROUGH	ASSOCIATION OF UNIVERSITY CENTERS ON DISABILITIES	15-8818-22	11,117	
93.186	NATIONAL RESEARCH SERVICE AWARD IN PRIMARY CARE MEDICINE	DIRECT	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		774,003	
93.211	TELEHEALTH PROGRAMS	DIRECT	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		40,865	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	DIRECT	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		13,690,271	1,012,021
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY		SUB R5515760 (U01AT010598)	67,041	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	EMORY UNIVERSITY		A659576	76,957	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	HEALTH RESEARCH, INC.		R01AT010216	19,782	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	JOHNS HOPKINS UNIVERSITY		Sub 20043363313 (AT010134)	134	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	LAUREATE INSTITUTE FOR BRAIN RESEARCH		SUB 1R34AT009889(AT009889)	(238)	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	LOMA LINDA UNIVERSITY		2200611-UCSD (R01AT011691)	66,688	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	NEW YORK UNIVERSITY		17-A0-00-008501	22,518	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	PALMER COLLEGE OF CHIROPRACTIC		12274	75,132	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	RAND CORPORATION		GENFD0002226724:1	101,644	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	STANFORD UNIVERSITY		62266174-139496	235,220	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	STANFORD UNIVERSITY		R01AT010593	247,408	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	UNIVERSITY OF CONNECTICUT		Sub 403552 (AT010555)	68,486	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	UNIVERSITY OF ILLINOIS CHICAGO		19469	4,460	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	UNIVERSITY OF MICHIGAN		SUBK00019805	11,323	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	UNIVERSITY OF UTAH		Sub 10063568-01-UCSD (AT011 )	66,311	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	UNIVERSITY OF VIRGINIA		GB11096.170022	108,592	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO		VPA 322745 Casmar (AT010332)	22,274	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO		VPA 322762 Norman (AT010332)	27,507	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO		VPA LANG 322920(AT010332)	87,299	
93.213	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO		VPA LIU 322822(AT010332)	44,667	
93.225	NATIONAL RESEARCH SERVICE AWARDS HEALTH SERVICES RESEARCH TRAINING	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)			305,169	61,128
93.225	NATIONAL RESEARCH SERVICE AWARDS HEALTH SERVICES RESEARCH TRAINING	PASS THROUGH	UNIVERSITY OF COLORADO DENVER		Sub FY19.817.001 (HS024597)	43	
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		47,136	11,280
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		8,029,986	906,036
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	123675	32,470	
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	127913	9,700	
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	CITY UNIVERSITY OF NEW YORK	CM00007327-02	116,177	
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG014652-01)	19,329	
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	INDIANA UNIVERSITY	9143	124,157	
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	MEDICAL UNIVERSITY OF SOUTH CAROLINA	Sub A00-3805-5002 (HS026491)	17,961	
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	RAND CORPORATION	SCON-00000375	44,579	
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	RAND CORPORATION	Sub SCON-00000535 (R18HS026 )	(1,836)	
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS	R18HS028578 (FY23.560.001)	29,417	
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00004760 (136826-1/(HS0 )	22,084	
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	143843529	6,405	
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	00148418	246,804	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	UNIVERSITY OF UTAH	10061427-01-UCSF	8,821	
93.226	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	YESHIVA UNIVERSITY	311587	17,756	
93.233	NATIONAL CENTER ON SLEEP DISORDERS RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		5,736,827	121,515
93.233	NATIONAL CENTER ON SLEEP DISORDERS RESEARCH		PASS THROUGH	BETH ISRAEL DEACONESS MEDICAL CENTER	A21-3946	17,380	
93.233	NATIONAL CENTER ON SLEEP DISORDERS RESEARCH		PASS THROUGH	BETH ISRAEL DEACONESS MEDICAL CENTER	PO1HL149630	43,250	
93.233	NATIONAL CENTER ON SLEEP DISORDERS RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	RO1HL152454	64,711	
93.233	NATIONAL CENTER ON SLEEP DISORDERS RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	RNG212054-UCSF-01	105,033	
93.233	NATIONAL CENTER ON SLEEP DISORDERS RESEARCH		PASS THROUGH	LOYOLA UNIVERSITY OF CHICAGO	Sub 211467 (MH14827)	277	
93.233	NATIONAL CENTER ON SLEEP DISORDERS RESEARCH		PASS THROUGH	TEXAS TECH UNIVERSITY	A22-0001-S001	3,074	
93.233	NATIONAL CENTER ON SLEEP DISORDERS RESEARCH		PASS THROUGH	WAYNE STATE UNIVERSITY	RO1AI135029-05	74,818	
93.236	GRANTS TO STATES TO SUPPORT ORAL HEALTH WORKFORCE ACTIVITIES		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		127,510	
93.239	POLICY RESEARCH AND EVALUATION GRANTS		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	1H79AE000058-01	45,145	
93.242	MENTAL HEALTH RESEARCH GRANTS	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		2,275,603	132,631
93.242	MENTAL HEALTH RESEARCH GRANTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		186,714,107	26,889,988
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	ADVANCED MRI TECHNOLOGIES, LLC	052592	94,538	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	ALLEN INSTITUTE	2022-0020	175,063	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	ALLEN INSTITUTE	SUB 20170566 (MH114827)	80,882	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	ALLEN INSTITUTE	Sub 2022-0639 (MH13019)	163,412	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	BENTEN TECHNOLOGIES, INC.	BT-5560953	(653)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	BOISE STATE UNIVERSITY	8424-PO133994 (MH119127)	77,360	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	BOSTON UNIVERSITY	R01MH122867	57,076	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	U19MH113201	(979)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	BROWN UNIVERSITY	00001704	20,726	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	BROWN UNIVERSITY	000001819	28,863	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S456163	123,100	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S490482	338,842	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S539519	483,852	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	Sub S539299 (MH128336)	40,207	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	S16-0021	27,532	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	CAMINO PHARMA LLC	Sub CP10-2020-UCSD (MH122063)	44,204	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	CENTRE FOR ADDICTION AND MENTAL HEALTH	SUB - 20-339 (MH112815)	523,043	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	CENTRE FOR ADDICTION AND MENTAL HEALTH	SUB 20-423 (MH119285)	14,235	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	CENTRE FOR ADDICTION AND MENTAL HEALTH	SUB 20-424 (MH120188)	38,900	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	CHILD MIND INSTITUTE INC	1R01MH115363 SubN3	21,023	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	306236	2,962	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	CLEVELAND CLINIC LERNER COLLEGE OF MEDICINE	SUB CCF22019354 (R01MH124530)	36,546	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	COLD SPRING HARBOR LABORATORY	6R21OH012361-01-02	80,998	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	COLD SPRING HARBOR LABORATORY	CLA-23134-02-3	404,672	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	COLD SPRING HARBOR LABORATORY	R01MH101214	119,327	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	COLD SPRING HARBOR LABORATORY	SUB 65290213 - PO# 921064-S	189,389	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG013760-01)	35,857	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	COLUMBIA UNIVERSITY	7(GG014146-01)	972	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	COLUMBIA UNIVERSITY	GG012936-05	93,546	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	COLUMBIA UNIVERSITY	RF1MH128969	76,160	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	DIGITAL ARTEFACTS, LLC	Sub 20162384 (MH099964)	(371,715)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	DREXEL UNIVERSITY	800106-b	113,946	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	DREXEL UNIVERSITY	R21MH121731	46,951	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	DUKE UNIVERSITY	20072196	164,643	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	DUKE UNIVERSITY	313000010	79,338	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	DUKE UNIVERSITY	sub A034434 (MH124612)	158,314	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	DUKE UNIVERSITY	Sub A03-5193 (MH114253)	(2,754)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	EASTERN VIRGINIA MEDICAL SCHOOL	R01MH118139	407,743	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	EMORY UNIVERSITY	SUB - A395267 (MH108826)	134,181	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	EPGEN BIOSCIENCES, INC.	Sub (1032)(Prime) 2R44MH115	8,487	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	FLORIDA INTERNATIONAL UNIVERSITY	000487	2,625	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	16-M111	(34,631)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	17-M95	(25,182)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	GEORGIA STATE UNIVERSITY	SP00013948-01	(11,072)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	GEORGIA STATE UNIVERSITY	SUB SP00015049-01 ( MH129 )	104,178	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	GLADSTONE INSTITUTES	A127350	(13,969)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	HARVARD UNIVERSITY	136462-5126490	9,478	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	HARVARD UNIVERSITY	164696-5122308	127,967	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	HARVARD UNIVERSITY	R01EB023052-04	458,265	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	HARVARD UNIVERSITY	SUB 150864.5120538.0002	401,955	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	HELUNA HEALTH	0743.0102	4,526	

**University of California**  
**Schedule of Expenditures of Federal Awards**

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	HELUNA HEALTH	0743.0103	20,909	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	HELUNA HEALTH	0761.0103	11,891	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	HELUNA HEALTH	A134549	258	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	HELUNA HEALTH	A136121	27,805	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-E531-4609/R01MH12524	139,306	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	R01MH124763	178,863	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	INSCOPIX, INC.	A20-1338	86,152	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	INSTITUTE OF BIOLOGICAL PSYCHIATRY	WERGE2021-SUB01 (MH124789)	3,384	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub 2004807807 (MH123423)	375,290	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	KITWARE, INC.	K003082-00-502	123,123	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	KITWARE, INC.	K003082-00-504	21,561	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	LAUREATE INSTITUTE FOR BRAIN RESEARCH	6922-03-COVID-5004	27,350	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	MAHIDOL UNIVERSITY	5R01MH119015-03	131,361	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	MICHIGAN STATE UNIVERSITY	RC112665M	35,592	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	NEW YORK UNIVERSITY	SUB F2163-01 (MH125261-03)	5,797	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	NO/AIDS TASK FORCE	NATF-5671954	134,582	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, IN	NEY2150-01	249,277	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, IN	PUL2250-01	8,076	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	OHIO STATE UNIVERSITY	GR128259 / POHSPC-1000007272	207,385	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	OXYGEN YOUTH HEALTH RESEARCH CENTRE	A132507	1,629	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	R34MH129217	80,143	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	S000699-DHHS	(377)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	PRINCETON UNIVERSITY	SUB80000532(MH128776)	255,773	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	RESEARCH FOUNDATION FOR MENTAL HYGIENE	156083	140,366	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	RESEARCH FOUNDATION FOR MENTAL HYGIENE	R01MH125868	29,771	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	RESEARCH FOUNDATION FOR MENTAL HYGIENE	Sub PO 154206 (MH124045)	83,766	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	RUSH UNIVERSITY MEDICAL CENTER	13041702-SUB01	(110)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	30124087	17,322	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	A17-0057-5007	304,008	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	A17-0057-5008	169,267	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	A20-0017-5002(U01 MH121282)	462,998	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	A21-0039-5001(UG3MH123394)	16	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	A23-0024-5003	601,170	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	SUB - A17-0057-5005 (MH114831)	220,411	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	sub A21-0039-5002 (MH123394)	45,697	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	SUB P0244872(MH114831)	28,717	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	A17-0057-5006 (3U19MH114831 )	37,947	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	Sub D9466-02 SA939 AO 5A918	70,499	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	61540206-121859	76,456	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	STANFORD UNIVERSITY	61835882-132392	71,332	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	STANFORD UNIVERSITY	62101628-128139	20,150	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	STANFORD UNIVERSITY	62199004-140720	44,280	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	STANFORD UNIVERSITY	62585432-164491	81,591	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	STANFORD UNIVERSITY	SUB 62031592-127992 (MH114856)	(19)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	STANFORD UNIVERSITY	SUB 62679603-175690 ( MH124 )	23,438	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	TEMPLE UNIVERSITY	264202-UC	525,216	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	TEMPLE UNIVERSITY	269882-USCF	48,190	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	TENDEL THERAPIES INC.	A22-2624	5,300	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	TEXAS TECH UNIVERSITY	21F010-01	17,945	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	237315	9,083	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	THE HEKTEN INSTITUTE OF MEDICINE	S0082-R01-UCLA02	7,549	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	THE HEKTEN INSTITUTE OF MEDICINE	A130938	4,353	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	sub 5-54369 (1RF1MH123224)	145,117	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	Sub 5-54631 (MH100175)	173,623	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	Sub 5-54899 (MH126719)	576,008	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000519413-SC001	70,386	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000534778-SC002	3,513	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000535911-SC001	91,893	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	THINK-NOW INC.	20232617	43,713	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	TRANSLUCENCE BIOSYSTEMS LLC	TB-5603858	(9,515)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF CHICAGO	Sub AWD100409 SU800000146(MH08)	194,169	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF CONNECTICUT	136123	(8,113)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF DENVER	SC37963-01-00	9,806	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF FLORIDA	UFDSPO0012225	163,588	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF ILLINOIS CHICAGO	18584	56,268	

**University of California**  
**Schedule of Expenditures of Federal Awards**

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93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	104620-18497	28,410	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	17128	(187)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF IOWA	S02439-01	41,347	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF LOUISVILLE	SCON-00002852:1	115,799	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF MARYLAND, BALTIMORE	R01MH065034	111,769	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF MARYLAND, BALTIMORE COUNTY	12046-02	20,915	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF MARYLAND, BALTIMORE COUNTY	HHS00089-01	58,188	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	R01MH131264	21,119	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00008746	322,189	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00012061	110,278	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00014224	117,314	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00016106	19,025	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF MINNESOTA	N00690501	94,981	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF MINNESOTA	sub N008249401 (MH123754)	22,215	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF MINNESOTA	Sub N008707701 (MH119569)	15,985	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF MISSOURI	00056433-2	21,779	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF NAIROBI	UON-USCF 1U01MH115512-01	274,707	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5117207	34,934	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5123789	152,568	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	sub 5121310 (MH128034)	49,783	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Sub 5123437 (HL157075)	20,042	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	sub 5124143 (MH118955)	21,948	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF OREGON	217310A	47,143	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	586407	61,590	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	Sub 569975 (MH111389)	(783)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF PITTSBURGH	CNVA00057692 (130512-1)	43,315	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF PITTSBURGH	CNVA00061652 (131408-1)	2,864	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF PITTSBURGH	CNVA00062468 (132248-1)	20,877	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF PITTSBURGH	SUB AW00004543 (136577-1)	30,723	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF ROCHESTER	013009	1,559	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	1R01MH128208-01A1	12,602	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	104020221	733	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	113864507	(29,132)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	138402253	406,601	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	141310813	(53,481)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-000002110	169,738	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00002462	36,040	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-0002470	116,766	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 104478552 (MH115005)	190,987	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 111299562 ( MH116990)	349,357	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	W912HQ23P0013	42,520	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF TEXAS AT DALLAS	Sub 1705329 (MH112620)	43,400	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	169329/1169328	288,812	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	700,3196-1: PO 000001787C	355,460	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	GMO190607 PO 0000001787C	58,700	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	PO-000001787C_GMO190607	114,481	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	GMO210205 PO0000002231 (MH1 )	19,500	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF VIRGINIA	AWD-004197-GR100563	921,018	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF VIRGINIA	GB10691.PO#2133383	281,375	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC10127	38,468	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13719	41,131	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC9388	(27,968)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UTAH STATE UNIVERSITY	203776-798	12,012	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	VANDERBILT UNIVERSITY	SUB OSAA00000113 (MH129634)	40,108	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	VANDERBILT UNIVERSITY	W911NF220243	341,087	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	VANDERBILT UNIVERSITY MEDICAL CENTER	OSA00000088	95,502	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	VANDERBILT UNIVERSITY MEDICAL CENTER	R01MH127228	395,911	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	VANDERBILT UNIVERSITY MEDICAL CENTER	Sub VUMC86231 (MH123563)	35,096	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA BARNES 325439 (MH123650)	13,193	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA CRAMER 325443 (MH123650)	6,751	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA RAMANATHAN 325434 (MH12 )	65,046	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Belikova-Bethell 32678	35,953	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	412746-19326	99,540	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	R01MH110504	27,976	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	VIRTUALLY BETTER, INC.	20191615	168	

**University of California**  
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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	Sub WU-19-35 (MH118031)	(10,173)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	SUB WU-21-51 ( MH104030)	(10)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-19-16	126,971	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-19-436	(1,073)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-20-348	7,662	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-20-350	12,602	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-21-52	197,917	121,093
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-23-0384	49,800	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	WAYNE STATE UNIVERSITY	WSU22172	13,355	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	WITS HEALTH CONSORTIUM (PTY) LIMITED	1R34MH126743-01	20,702	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	YALE UNIVERSITY	CON-80003685 (GR116237)	408,680	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	YALE UNIVERSITY	CON-80004272 (GR118114)	2,946	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	YALE UNIVERSITY	GEND00002179415:2	114,482	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	YALE UNIVERSITY	GR102867(CON-80001335)	(17)	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	YALE UNIVERSITY	R21AI149654-02	261,638	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	YALE UNIVERSITY	R-22-0000033:1	615,371	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	YALE UNIVERSITY	SUB GR110976 (CON-80002784)	472,575	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE	3000559 Request: 4815	434,626	
93.242	MENTAL HEALTH RESEARCH GRANTS		PASS THROUGH	CESHAR ZIMBABWE (CENTRE FOR SEXUAL HEALTH, HIV & AIDS RESEARCH)	NIH-PREP-01	47,234	
93.243	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		525,827	
93.243	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	AMERICAN ACADEMY OF ADDICTION PSYCHIATRY	MFG-2021-3	10,355	
93.243	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	AMERICAN ACADEMY OF ADDICTION PSYCHIATRY	MFG-2021-4	22,686	
93.243	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	AMERICAN PSYCHOLOGICAL ASSOCIATION	013124	6,459	
93.243	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	CALIFORNIA ACADEMY OF FAMILY PHYSICIANS FOUNDATION	A23-3327	1,707	
93.243	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	SKID ROW HOUSING TRUST	90-118	18,148	
93.243	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	WAKE FOREST UNIVERSITY HEALTH SCIENCES	011754	100,917	
93.243	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	COUNCIL ON ALCOHOLISM AND DRUG ABUSE	SB220039	34,487	
93.247	ADVANCED NURSING EDUCATION WORKFORCE GRANT PROGRAM	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		653,944	
93.262	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		6,963	
93.262	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		5,671,991	153,856
93.262	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		PASS THROUGH	HARVARD UNIVERSITY	112199-5106829	5,515	
93.262	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		PASS THROUGH	IOWA STATE UNIVERSITY	R01 OH011947	210,542	
93.262	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		PASS THROUGH	MARSHFIELD CLINIC RESEARCH FOUNDATION	5 US4OH009568-13-00	52,665	
93.262	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		PASS THROUGH	MARSHFIELD CLINIC RESEARCH FOUNDATION	6 US4OH009568-12-01	69,597	
93.262	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		PASS THROUGH	OHIO STATE UNIVERSITY	SPC-1000007190 / GR129304	21,096	
93.262	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		PASS THROUGH	STANFORD UNIVERSITY	61405844-48844	17,251	
93.262	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		PASS THROUGH	UNIVERSITY OF NEBRASKA MEDICAL CENTER	34-5420-2006-131	24,944	
93.262	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		PASS THROUGH	UNIVERSITY OF NEBRASKA MEDICAL CENTER	U54OH010162	9,914	
93.262	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5123435	54,224	
93.266	HEALTH SYSTEMS STRENGTHENING AND HIV/AIDS PREVENTION, CARE AND TREATMENT UNDER THE PRESIDENT'S EMERGENCY PLAN FOR AIDS RELIEF		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,442,626	415,059
93.268	IMMUNIZATION COOPERATIVE AGREEMENTS	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	18-10092	19,575,111	
93.273	ALCOHOL RESEARCH PROGRAMS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		26,486	43,119
93.273	ALCOHOL RESEARCH PROGRAMS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		22,196,549	2,674,598
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	BOSTON MEDICAL CENTER CORPORATION	5784-UCSF_02A1	246,252	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	BOSTON MEDICAL CENTER CORPORATION	6523-UCSF-01	19,899	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	1407-SUB	77,574	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	SUB 00001493560 (AA027036)	40,649	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	RGF010036-B	(39,342)	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	CLEVELAND CLINIC FOUNDATION	1492-SUB (NS100610)	99,166	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	DOULEUR THERAPEUTICS INC.	SUB 20192508 (NS113717)	(29,140)	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	FLORIDA STATE UNIVERSITY	Sub R000002931 (AA029547)	43,549	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	INDIANA UNIVERSITY-PURDUE UNIVERSITY INDIANAPOLIS	9188	8,937	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	sub 2005407836 (AA029544)	114,887	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	KAISER FOUNDATION HOSPITALS	RNG210793-USCF-01	80,992	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	RNG212099-USCF-01	41,718	

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**Schedule of Expenditures of Federal Awards**

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	KAIER FOUNDATION RESEARCH INSTITUTION	RNG212100-USCF-01	9,968	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	KAIER PERMANENTE DIVISION OF RESEARCH	RNG209393-USCF-03	15,316	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	NORTHWESTERN UNIVERSITY	6006019 UCSF	51,329	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	PALM THERAPEUTICS, INC.	30073980	12,885	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	013164	28,770	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	SA0000659	44,051	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	Sub SA0000641(AA026994)	82,862	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	Sub SA0000707 (AA026697)	6,037	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	SEAL ROCK THERAPEUTICS, INC.	30174964	120,462	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	SOUTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	5R01AA018071-13-SH1861	1,295	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	SOUTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	R01AA018071	51,270	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	SRI INTERNATIONAL	Sub PO51079 (AA021696)	6,919	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	SUNY DOWNSTATE HEALTH SCIENCES UNIVERSITY	Sub 100-1171519-9283 (AA02 )	26,912	
93.273	ALCOHOL RESEARCH PROGRAMS	COVID-19	PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	5-54324	4,847	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	5-54422 SUB (SP60 AA006420-38)	71,804	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	Sub 5-54154 (AA006420-37)	81,930	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	Sub 5-54155 (AA006420)	203,673	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	Sub 000512064-003 (AA020802)	(258)	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF ARKANSAS, FAYETTEVILLE	55197	7,858	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY19.580.004	23,542	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF MISSOURI	R01AA0201510	32,960	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	115959767	14,462	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	137334708	18,838	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 115958500 (AA011999)	34,851	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 115958813 (AA011999)	125,917	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 129201430 (AA011999)	1,194	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 93814100 (AA18663)	(1,825)	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA MANDYAM 322868 (AA020098)	96,466	
93.273	ALCOHOL RESEARCH PROGRAMS		PASS THROUGH	STONY BROOK UNIVERSITY (A STATE UNIVERSITY OF NEW YORK CAMPUS)	Sub 1009189-85979 (AA008401)	233,710	
93.276	DRUG-FREE COMMUNITIES SUPPORT PROGRAM GRANTS		PASS THROUGH	AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY, INC.	20165007	(8,503)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		431,940	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		90,255,733	10,324,502
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY, INC.	20164307	(26,501)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY, INC.	20212504	167,573	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	AMERICAN COLLEGE OF MEDICAL TOXICOLOGY, INC.	ISR20231036:1	618	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	ARIZONA STATE UNIVERSITY	ASU8000011229 (R01DA054601)	10,863	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	BOSTON MEDICAL CENTER CORPORATION	SUB 6170a??70535601 (DA045547)	1,851	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	BOSTON UNIVERSITY	Sub 4500003604 (DA050159)	179,432	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	BOSTON UNIVERSITY	Sub 4500004615 (DA051889)	150,123	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	BOSTON UNIVERSITY	Sub 4500004658 (DA047032)	240,812	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	BROWN UNIVERSITY	00001523	31,562	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	BROWN UNIVERSITY	Sub 00001761 (DA051849)	51,165	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	CARI HEALTH, INC.	Sub 20200817 (DA044905)	80,766	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	HST-GO-14939.001-A	54,625	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	CHARLES R. DREW UNIVERSITY OF MEDICINE AND SCIENCE	19-20-TF-R25DA050723-UCLA	41,596	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	000013598-A	13,884	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	000014221-D	31,186	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	RGF0020920-A	4,552	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	COVID-19	PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	RGF011158-B	31,126	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	Sub 000013208-B (DA041048)	633	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	DARTMOUTH COLLEGE	R1438	400,522	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	DUKE UNIVERSITY	303-000702	12,254	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	DUKE UNIVERSITY	SUB 2036646 (DA044571)	14,537	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	EMORY UNIVERSITY	AWD00003000 (138435-2):1	12,369	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	FORDHAM UNIVERSITY	FORD0042 (DA031608)	(3,229)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	FORDHAM UNIVERSITY	FORD0077-30290 (DA031608)	8,357	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	FORDHAM UNIVERSITY	sub FORD0074-30290 (DA031608)	592	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	FRIENDS RESEARCH INST., INC.	113462	25,293	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	GEORGE MASON UNIVERSITY	E2060192	4,279	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	GEORGE MASON UNIVERSITY	Sub E2052484 (DA050097)	45,677	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	GLADSTONE INSTITUTES	SC-00023	(29)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	GLADSTONE INSTITUTES	SC-00072	293,677	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	GLADSTONE INSTITUTES	sub SC-00032 (DA051144)	257	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	HANOI MEDICAL UNIVERSITY	1R01DA050486-01-UCLA	82,756	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	HELUNA HEALTH	0752.0102/0752.0103	137	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	HELUNA HEALTH	A133064	82	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	HELUNA HEALTH	A136543	201,554	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	HELUNA HEALTH	SCON-00000544:01	643,541	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	COVID-19	PASS THROUGH	HENNEPIN HEALTHCARE RESEARCH INSTITUTE	15248-1	121,084	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	HENNEPIN HEALTHCARE RESEARCH INSTITUTE	15312-13 (DA040316)	19,326	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	HUNTER COLLEGE	41996-A	(3,346)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-C341-4609	15,693	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-H651-4609	9,327	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	sub 2004890805 (DA013806)	226,103	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub K01DA043421 (2005596060)	34,796	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	RNG211910-UCSF-01	16,125	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	MAGEE-WOMENS RESEARCH INSTITUTE AND FOUNDATION	8135	47,786	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	MEDICAL UNIVERSITY OF SOUTH CAROLINA	SUB A00-3558-5001 (DA044438)	333,269	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	MEDICAL UNIVERSITY OF SOUTH CAROLINA	Sub MUSC19-010-8D703 (DA045300)	179,329	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	NANOCELLCT BIOMEDICAL, INC.	20200994	129,786	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	NEW YORK UNIVERSITY	A0-S1-003671	76,562	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	NEW YORK UNIVERSITY	R01AR07245-05	39,411	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	NEW YORK UNIVERSITY	R01DA045872	15,730	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	NORTHWESTERN UNIVERSITY	60042994 UCSFCA	(122)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	NORTHWESTERN UNIVERSITY	Sub 60059089 UCSD (DA048493)	28,413	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	OHIO STATE UNIVERSITY	GR128885 / PO # SPC-1000006939	28,923	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	OHIO STATE UNIVERSITY	GR128901 / PO-SPC-1000006	21,578	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	OHIO STATE UNIVERSITY	SPC-1000004123   GR116006	77,386	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	OHIO STATE UNIVERSITY	Sub SPC-1000006522	246,854	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	OHIO STATE UNIVERSITY	VR-31878/PO# 23004151	26,731	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	OLFA THERA, INC.	WEST300265509.5	40,081	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	COVID-19	PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1015420_UCIRVINE	251,743	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1017225_UCSF_A	103,334	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1017225_UCSF_AA1	(95)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1017225-004_UCSF	16,611	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	Sub 1012971_UCSD(DA046077)	101,611	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	PUBLIC HEALTH INSTITUTE	04453-A60768	17,694	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	Q2I, LLC	K08MH112773-05	129,894	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	RAND CORPORATION	SCON-00000182	(1,685)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	RAND CORPORATION	SCON-000000316	57,365	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	REKOVAR, INC.	R-225441	38,075	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	RESEARCH FOUNDATION FOR MENTAL HYGIENE	20202219	(483)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	1-312-0217620-66089L	10	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	1-340-0217717-66136L	16,400	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	2-312-0216573-65365L	12,600	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	2-312-0218840-67085L	13,244	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	3-312-0217620-66108L	(8)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	5-312-0216621-65427L	(227)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	8-312-0216621-65699L	36	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	SUB 9-312-0218755-67114L	145,908	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	COVID-19	PASS THROUGH	RUSH UNIVERSITY MEDICAL CENTER	21021008-Sub01	(8,184)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	D8253-02 SA00 5A441A 7802	46,589	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	SUB - SA0000770 (DA050724)	16,361	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	sub SA000072 (DA042666)	132,381	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	sub SA0000779 (DA053167)	48,509	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	Sub D8531-02 SA00 5A484A 78	56,068	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	SAN DIEGO STATE UNIVERSITY FOUNDATION	Sub D9285-02 SA927 AO 5A890	24,523	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	SAN FRANCISCO PUBLIC HEALTH FOUNDATION	1R01DA045690 -01A1	15,412	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	SUB 59842-12858-UCSD (DA041731)	(318)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	Sub 69878-13285-UCSD (DA051)	159,724	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	SERPIN PHARMA, LLC	SUB 30173295 (1R43CA268700)	113,117	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	STANFORD UNIVERSITY	62097886-26345	107,743	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	STANFORD UNIVERSITY	Sub 63051431-254722 (DA057567)	22,323	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	TEXAS CHRISTIAN UNIVERSITY	25937-19-04	38,236	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF CHICAGO	AWD100228 (SUB00000208)	112,388	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF CHICAGO	FP059270-B	34,882	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF CHICAGO	FP066079-01-PR	(430)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF HAWAII AT MANOA	013805	23,154	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF MARYLAND, BALTIMORE	20907	33,105	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF MIAMI	OS00000290	585,636	

**University of California**  
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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF MICHIGAN	Sub 3004429839 (U01DA043098)	52,894	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00010479	27,950	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF NEVADA, RENO	SUB UNR-16-07(DA038185)	18,559	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF NEW MEXICO	028453-87K7/028470-87K7	192,939	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF NEW SOUTH WALES	sub RG192392-UCSD (DA044170)	(126)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	1R01DA056264-01	32,522	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5124114	218,371	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5124806	75,760	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	583523	108,656	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	67875	52,298	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00005403 (137333-1)	343,352	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00006400 (138618-1)	11,151	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF TENNESSEE HEALTH SCIENCE CENTER	23-1610	20,664	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF TEXAS AT EL PASO	226141356B	94,947	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	GMO 190412	381	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	GMO230914 PO0000002769	539,223	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	GMO231107 PO0000002839	274,637	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	R01AI132731-05	74,928	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VMRF JPA Thomas Rutledge	6,010	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-20-115	36,817	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-23-0397	31,365	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	YALE UNIVERSITY	CON-80003161(GR112930)	(4,652)	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	YALE UNIVERSITY	CON-80003641(GR115927)	146,232	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	YALE UNIVERSITY	CON-80004147 (GR119182)	45,067	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	YALE UNIVERSITY	GR106902 (CON-80001833)	33,579	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	YALE UNIVERSITY	GR116593 (CON-80003700)	61,576	
93.279	DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS		PASS THROUGH	YESHIVA UNIVERSITY	RF1DA056400	60,095	
93.280	NATIONAL INSTITUTES OF HEALTH LOAN REPAYMENT PROGRAM FOR CLINICAL RESEARCHERS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		595,764	165,303
93.283	CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		797,311	
93.283	CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	22-10709	73,241	
93.283	CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE		PASS THROUGH	HOWARD UNIVERSITY	009870-100095838	(18,973)	
93.283	CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE	COVID-19	PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	75D30120C9617	6,274	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		2,101,459	676,108
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		28,772,011	3,572,697
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	7000001686 (EB032854-01)	264,667	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	BOSTON UNIVERSITY	4500003479	103,021	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	CANON MEDICAL RESEARCH USA, INC.	A20-3822	130,598	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	R01EB028635	174,419	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	CELSENSE, INC.	Sub 20194123(EB023761)	1,074	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	COVID-19	PASS THROUGH	EMORY UNIVERSITY	A370053	113,931	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	COVID-19	PASS THROUGH	EMORY UNIVERSITY	A454757	52,359	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	COVID-19	PASS THROUGH	EMORY UNIVERSITY	A459414	766	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	COVID-19	PASS THROUGH	EMORY UNIVERSITY	A761474	9,350	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	EMORY UNIVERSITY	SUB A306146(EB028350)	98,481	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	EMORY UNIVERSITY	Sub A398050(EB027690)	230,081	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	FLORIDA INSTITUTE OF TECHNOLOGY	GR-232508	38,976	

**University of California**  
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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	GE GLOBAL RESEARCH	401115242	308,802	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	INDIANA UNIVERSITY	9296	37,923	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005802535	59,807	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	COVID-19	PASS THROUGH	MAGNETIC INSIGHT, INC.	050057	243,090	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	UNI-232985-02	218	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	NYU LANGONE HEALTH SYSTEM	19-A0-00-000454	14,242	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	RADIATION MONITORING DEVICES, INC.	C22-02	109,912	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	RICE UNIVERSITY	R01EB030520	125,807	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	SOFIE BIOSCIENCES, INC.	A132313	1,612	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	COVID-19	PASS THROUGH	STANFORD UNIVERSITY	61799594-131106	4,033	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	COVID-19	PASS THROUGH	STANFORD UNIVERSITY	61947242-44290	46,772	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	COVID-19	PASS THROUGH	STANFORD UNIVERSITY	62416670-154145	212,112	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	STANFORD UNIVERSITY	R01EB028646	308,981	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	STANFORD UNIVERSITY	Sub 61456675-125287 (EB018302)	(15,069)	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	12893	99,210	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	Sub 237053 (3U54EB015408-08 )	969	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	UNIVERSITY OF ARIZONA	482236	85	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	UNIVERSITY OF HAWAII SYSTEM	R01EB031124	46,402	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	20589 Request:2261	35,129	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	COVID-19	PASS THROUGH	UNIVERSITY OF MASSACHUSETTS CHAN MEDICAL SCHOOL	OSP/WPM33765-USCF	(10,698)	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS CHAN MEDICAL SCHOOL	OSP-SUB105-UCI	8,177	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS CHAN MEDICAL SCHOOL	Sub OSP2016194 (EB0119936)	(337)	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS CHAN MEDICAL SCHOOL	Sub OSP-SUB102-USCD (EB0119936)	180,033	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	UNIVERSITY OF MEMPHIS	A00-0077-5030	158	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	UNIVERSITY OF MEMPHIS	A21-0019-5002	6,689	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	UNIVERSITY OF MEMPHIS	A21-0019-5005	1	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	UNIVERSITY OF MISSOURI	C00080154-1	316,521	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	204090UCI	102,873	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	144548312	19,766	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	R03EB028946	15,526	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	VENTUREWELL	24965-22	8,009	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	VENTUREWELL	VW-5655062	28,040	

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	YALE UNIVERSITY	U01EB029811	446,296	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH		PASS THROUGH	ZONAGEN INC.	20130924-38	(87,660)	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	COVID-19	PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	VU2193-01	(31,801)	
93.286	DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	COVID-19	PASS THROUGH	UNIVERSITY AT BUFFALO (A STATE UNIVERSITY OF NEW YORK CAMPUS)	R1282439	16,386	
93.297	TEENAGE PREGNANCY PREVENTION PROGRAM		PASS THROUGH	POLICY AND RESEARCH L.L.C.	1-TP2AH000070-01-00-M / 1- TP2AH000070-01-00	126,949	
93.300	NATIONAL CENTER FOR HEALTH WORKFORCE ANALYSIS	COVID-19	PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	USCEAP0706	(1,622)	
93.300	NATIONAL CENTER FOR HEALTH WORKFORCE ANALYSIS		PASS THROUGH	PUBLIC HEALTH INSTITUTE	7UG1CA189955	30,965	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,066,257	355,078
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		22,114,048	1,651,637
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	ALBERT EINSTEIN COLLEGE OF MEDICINE	Sub:31106A (MD011389)	(4,003)	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	122876	20,297	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	CHARLES R. DREW UNIVERSITY OF MEDICINE AND SCIENCE	20204201	115,158	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	CHARLES R. DREW UNIVERSITY OF MEDICINE AND SCIENCE	20223693	108,786	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	000014409-A (MD017344)	762,174	9,655
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	308648	15,413	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG017666-01) MD016278	8,461	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	DREXEL UNIVERSITY	900109	63,751	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	DREXEL UNIVERSITY	900109	325,361	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	EMMA PENDELTON BRADLEY HOSPITAL	712-7665	29,479	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	150385.5126189.0004	13,771	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	OOS030491-UCSF	78,737	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	COVID-19	PASS THROUGH	MEHARRY MEDICAL COLLEGE	170406MFL060 03	2,510	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	NATIONAL BUREAU OF ECONOMIC RESEARCH, INC.	41870.02.UCLA	602,176	528,713
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	NATIONAL BUREAU OF ECONOMIC RESEARCH, INC.	41930.00.1.UCSF	299,222	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	SP0041722-PROJ0011727	407	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	PALO ALTO VETERANS INSTITUTE FOR RESEARCH, INC.	WOG0009-03	122,675	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	S002976-DHHS	40,926	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	RAND CORPORATION	SCON-00000027	14,587	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	RAND CORPORATION	SCON-00000556	100,601	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62567278-180400	(6,755)	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62811112-209656	93,106	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	TEMPLE UNIVERSITY	269226-UCSF	53,146	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	5U01DK082370-13R	88,157	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	TUFTS UNIVERSITY	Sub 103574-00001 (MD016026)	7,490	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY19.001.005	149,195	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	UNIVERSITY OF HAWAII AT MANOA	KA1719	60,028	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	UNIVERSITY OF ILLINOIS CHICAGO	19363	44,354	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	107232-Z0462201	137,278	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00013081	172,860	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	CNAVA00056157 (130212-2)	88,653	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	6408-1149-00-B	43,865	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub SCON-00003304 (MD017344)	29,226	
93.307	MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	10046254-01	17,141	
93.310	TRANS-NIH RESEARCH SUPPORT	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		9,880,334	2,300,241
93.310	TRANS-NIH RESEARCH SUPPORT		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)	sub ASUB00001239 (AA030489)	62,555,661	11,796,159
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	ARIZONA STATE UNIVERSITY		9,821	
93.310	TRANS-NIH RESEARCH SUPPORT	COVID-19	PASS THROUGH	BUCK INSTITUTE FOR RESEARCH ON AGING	SA60001-UCB	132,742	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, NORTHridge	013307	5,183	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	S22-0006	64,263	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	S22-0007	64,759	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	S23-0001	9,393	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	A19-0387	163	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	A23-0181-001	93,599	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	S10A163745-01	376,986	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	RE5600504	59,712	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	DREXEL UNIVERSITY	900169	128,653	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	DREXEL UNIVERSITY	A18-2664	324,052	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	DUKE UNIVERSITY	A03-5255	6,092	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	DUKE UNIVERSITY	303001155	25,532	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	DUKE UNIVERSITY	303-001172	76,361	

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93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	DUKE UNIVERSITY	A03-5090	266,317	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	DUKE UNIVERSITY	A03-5256	19,368	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	EMORY UNIVERSITY	U01AG061357	22,394	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	GLADSTONE INSTITUTES	SC-00008 (R2500-A)	67,062	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	GLADSTONE INSTITUTES	SC-00034	37,276	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	HARVARD UNIVERSITY	sub 153351.5122467.0303	(1,269)	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	A20-0357	109,658	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub 2005099385 (HD105591)	5,746	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	RNG211423	14,819	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	UH30D023289	325,711	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	KECK GRADUATE INSTITUTE OF APPLIED LIFE SCIENCES	012932	85,061	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	LUDWIG INSTITUTE FOR CANCER RESEARCH	Sub 242301-05003B (DK107977)	(56,736)	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	LUDWIG INSTITUTE FOR CANCER RESEARCH	Sub CLEV_243601-6 (NS112503)	34,668	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	118	30	
93.310	TRANS-NIH RESEARCH SUPPORT	COVID-19	PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	17ABFP13962	(8,527)	
93.310	TRANS-NIH RESEARCH SUPPORT	COVID-19	PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	U24HG01423	138,771	
93.310	TRANS-NIH RESEARCH SUPPORT	COVID-19	PASS THROUGH	MOREHOUSE SCHOOL OF MEDICINE	U01-UC003-Yr4	24,988	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	NEW YORK UNIVERSITY	16-A0-00-006256-01	274,177	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	NEW YORK UNIVERSITY	19-A0-00-1003237	217,542	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	NYU LANGONE HEALTH SYSTEM	21-A0-S1-1002942	87,882	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	OCHIN INC	OI-5641059	102,577	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	OHIO STATE UNIVERSITY	60072959	667,672	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	RHODE ISLAND HOSPITAL	7137538	354,986	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	Sub P1057617 (DA047731)	8,721	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	Sub 70811-13708-UCSD (AG0797 )	1,030,339	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	THE CALIFORNIA MEDICAL INNOVATIONS INSTITUTE, INC.	Sub 2019-003 (OT20D028203)	9,959	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	241802	20,482	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY COLLEGE LONDON	CLA-294646/PO #69433076	24,567	
93.310	TRANS-NIH RESEARCH SUPPORT	COVID-19	PASS THROUGH	UNIVERSITY OF BUEA	002/HD/2021	220,061	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF BUEA	PO-0000169	341,192	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF CAPE TOWN	A22-0113	64,930	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	093670-17188	2,025,437	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF IOWA	Sub S00564-02 (AG055133)	18,181	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	OD025459	887,296	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	sub 1802271 UMB Ref. No.: 3	62,568	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF NEW MEXICO	3RGH1	265,071	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5125982	523,030	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF ROCHESTER	4174086/UR FAO GR510836	361,321	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF ROCHESTER	SUB800000432 / GR532986 (HL1 )	17,600	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	140442140	18,375	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 111515702 (CA229445)	14,351	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub SC0N-00004716 (DK135739)	4,186	
93.310	TRANS-NIH RESEARCH SUPPORT	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC10689	1,325,019	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC11544	122,464	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC14549 (NIH-10T20D032644 )	189,763	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000000237	102,351	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000001791 (NS111688)	31,217	
93.310	TRANS-NIH RESEARCH SUPPORT	COVID-19	PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000002174	25,921	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000002438	451,343	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	WAKE FOREST UNIVERSITY	U54DA049113	42,414	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	Sub WU-23-0282 (DK134301)	91,666	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	YALE UNIVERSITY	SUB (HG012510)	51,945	
93.310	TRANS-NIH RESEARCH SUPPORT		PASS THROUGH	RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK	Sub R1112800(CA221244)	11	
93.316	PUBLIC HEALTH PREPAREDNESS AND RESPONSE SCIENCE, RESEARCH, AND PRACTICE	COVID-19	PASS THROUGH	REGENERON PHARMACEUTICALS, INC.	A20-4421	79,999	
93.317	EMERGING INFECTIONS PROGRAMS	COVID-19	PASS THROUGH	HELUNA HEALTH	0008.0111	20,426	
93.317	EMERGING INFECTIONS PROGRAMS	COVID-19	PASS THROUGH	HELUNA HEALTH	0008.3610	89,057	
93.322	CSELS PARTNERSHIP: STRENGTHENING PUBLIC HEALTH LABORATORIES		PASS THROUGH	AMERICAN ASSOCIATION OF CLINICAL ENDOCRINOLOGISTS, INC.	20231589	30,605	
93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	20-11098	(30,018)	
93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	A21-0840-003	2,351,898	
93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	Sub A21-0840-5001 (20-11088)	104,825	

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93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	COVID-19	PASS THROUGH	HELUNA HEALTH	0187-0150	76,675	
93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)		PASS THROUGH	HELUNA HEALTH	5NU50CK000539-04	56,513	
93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)		PASS THROUGH	LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES	PH-004439	105,672	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		(30,758)	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)	A137578	46,765,918	3,379,919
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	ACRIGEN BIOSCIENCES, INC.	7000001567	6,840	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	FY23 620.003_AMD2	6,109	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	BOSTON UNIVERSITY	Sub 4500004316 (TR001430-06)	24,136	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	BOSTON UNIVERSITY	20162958	29,501	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	COVID-19	PASS THROUGH	CAIRN BIOSCIENCES, INC	0001838680	(197)	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	30007159	33,215	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	CHILDREN'S RESEARCH INSTITUTE	19-27168	20,450	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	DUKE UNIVERSITY	A137579	5,548	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	EMORY UNIVERSITY	UO1TR002997	57,796	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	GEORGIA TECH RESEARCH CORPORATION	732379 (US4NS116025)	Sub AWD-102041-G1 (EB024322)	(7)
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	HARVARD UNIVERSITY	153185.5122	36,764	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	2020.0001	25,663	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	INSTITUTE FOR SYSTEMS BIOLOGY	Sub 2016.0004 (TR002026)	266,858	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	INSTITUTE FOR SYSTEMS BIOLOGY	A136448	(8)	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	J. CRAIG VENTER INSTITUTE	Sub JCVI-16-006 (TR001801)	(397)	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	MEDICAL UNIVERSITY OF SOUTH CAROLINA	Sub A20-0049-5003 (TR002628)	165,871	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	COVID-19	PASS THROUGH	NEW YORK UNIVERSITY	051913	(953)	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	NEXILICO INC.	12511SUB	97,226	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	SEATTLE CHILDREN'S HOSPITAL	12885SUB	(9,351)	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	SEATTLE CHILDREN'S HOSPITAL	62103888-135580	119,296	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	STANFORD UNIVERSITY	Sub 5-54768 (TR002550)	29,490	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	997562-2	132,845	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	A21-4364-001	40,223	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	009904-018	82,264	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	UNIVERSITY OF CINCINNATI	A21-0513	1,177	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	UNIVERSITY OF MICHIGAN	U01 TR003409	30,966	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	UNIVERSITY OF MICHIGAN	AWD00006168 (138333-3)	102,544	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	UNIVERSITY OF PITTSBURGH	FP00010833_SA003	72,192	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	VIRGINIA COMMONWEALTH UNIVERSITY	RE-252335-OLS-22	774	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	U01TR002764	23,102	
93.350	NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	40,045,006	(2,625)	
93.351	RESEARCH INFRASTRUCTURE PROGRAMS	DIRECT	PASS THROUGH	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)	724	1,471,779	
93.351	RESEARCH INFRASTRUCTURE PROGRAMS		PASS THROUGH	UNIVERSITY OF KANSAS / UNIVERSITY OF KANSAS CENTER FOR RESEARCH	4,236,385		
93.352	CONSTRUCTION SUPPORT	DIRECT	PASS THROUGH	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)	Sub 20188-44-372 (DE028227)	458,071	
93.352	CONSTRUCTION SUPPORT		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	Sub FY20.904.003 (CA244688)	139,970	
93.352	CONSTRUCTION SUPPORT		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	7,694,021	23,510	
93.353	21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT	DIRECT	PASS THROUGH	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)	72,190	1,786,497	
93.353	21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT		PASS THROUGH	BOSTON UNIVERSITY	4500002986		
93.353	21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT		PASS THROUGH	BOSTON UNIVERSITY	4500002989	281,528	
93.353	21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	SUB 3201460821 (CA233285)	95,449	
93.353	21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT		PASS THROUGH	CITY OF HOPE	011639	17,825	
93.353	21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	1205405	442,879	
93.353	21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	1207105	248,024	
93.353	21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	0001004846	23,498	
93.353	21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	0001004851	195,160	
93.353	21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	0001084763	1,742	
93.353	21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	RNG210680-UCLA-01	43,080	
93.353	21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT		PASS THROUGH	NATIONWIDE CHILDREN'S HOSPITAL	700179-0623-00	177,851	
93.353	21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT		PASS THROUGH	UNIVERSITY OF TEXAS M.D. ANDERSON CANCER CENTER	3001720336	5	
93.355	CERTIFIED HEALTH IT SURVEILLANCE CAPACITY AND INFRASTRUCTURE IMPROVEMENT COOPERATIVE AGREEMENT PROGRAM	DIRECT	PASS THROUGH	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)	1,093,509	145,890	
93.355	CERTIFIED HEALTH IT SURVEILLANCE CAPACITY AND INFRASTRUCTURE IMPROVEMENT COOPERATIVE AGREEMENT PROGRAM		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, LONG BEACH FOUNDATION	SG256021100UCB	499,548	
93.360	BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT	DIRECT	PASS THROUGH	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)	23,291		
93.360	BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT		PASS THROUGH	CELLICS THERAPEUTICS, INC.	Sub (4500003622 / IDSEP160030)	139,086	

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.360	BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT		PASS THROUGH	VAXCYTE, INC.	Sub 20191655 (4500003905)	173,063	
93.361	NURSING RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		3,676,152	993,627
93.361	NURSING RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	7000001104	28,298	
93.361	NURSING RESEARCH		PASS THROUGH	BROWN UNIVERSITY	P22AC02418-00	268,909	
93.361	NURSING RESEARCH		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S458206	16,963	
93.361	NURSING RESEARCH		PASS THROUGH	CLEVELAND CLINIC LERNER COLLEGE OF MEDICINE	CCF23384974	2,498	
93.361	NURSING RESEARCH		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	1300204	(226)	
93.361	NURSING RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	R61NR020845	42,482	
93.361	NURSING RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005759824	70,830	
93.361	NURSING RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	16-A1-00-005413-01	7,604	
93.361	NURSING RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	61835904-125082	31,502	
93.361	NURSING RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62744400-206060	45,336	
93.361	NURSING RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	233238	(3,183)	
93.361	NURSING RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY17.782.004	(1,659)	
93.361	NURSING RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY19.961.002	14,973	
93.361	NURSING RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	FY20.961.003	10,003	
93.361	NURSING RESEARCH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS SYSTEM	SUB000000153	8,975	
93.361	NURSING RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	3004518092	49,382	
93.361	NURSING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	R01HL147883-04	24,883	
93.361	NURSING RESEARCH		PASS THROUGH	UNIVERSITY OF TENNESSEE	SUH3NS104095-05	32,258	
93.361	NURSING RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	SA0000206	22,310	
93.361	NURSING RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-20-274-MOD-3	102,282	
93.361	NURSING RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-20-275	(15,802)	
93.365	SICKLE CELL TREATMENT DEMONSTRATION PROGRAM		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	sub CIBDX2021HRSAC-UCSD-08	31,506	
93.365	SICKLE CELL TREATMENT DEMONSTRATION PROGRAM		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	Sub CIBDX2021HRSAC-UCSD-09	7,901	
93.368	21ST CENTURY CURES ACT - PRECISION MEDICINE INITIATIVE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		59,529	
93.371	DELETED		PASS THROUGH	VENTUREWELL	30053004 (75N92020Q0087)	19,481	
93.387	NATIONAL AND STATE TOBACCO CONTROL PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		748,432	
93.389	NATIONAL CENTER FOR RESEARCH RESOURCES		PASS THROUGH	LAM FOUNDATION, THE	20081178	20,939	
93.393	CANCER CAUSE AND PREVENTION RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,613,558	344,009
93.393	CANCER CAUSE AND PREVENTION RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		32,848,683	6,489,879
93.393	CANCER CAUSE AND PREVENTION RESEARCH		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		62,801	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	7000001499	21,277	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	P700000487	15,759	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	BECKMAN RESEARCH INSTITUTE OF THE CITY OF HOPE	62301.2008722.669302	30,376	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	BECKMAN RESEARCH INSTITUTE OF THE CITY OF HOPE	64035.2011566.669303	55,133	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	BECKMAN RESEARCH INSTITUTE OF THE CITY OF HOPE	64607.2011735.669202	4,119	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	BECKMAN RESEARCH INSTITUTE OF THE CITY OF HOPE	Sub 63147.201090.669301	5,432	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	4500003170	70,729	
93.393	CANCER CAUSE AND PREVENTION RESEARCH	COVID-19	PASS THROUGH	CALIBERMRI INC.	18230-001	115,572	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	1090617-430332	7,511	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	1454643	(2,404)	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	R00HD096050-05	48,257	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	CITY OF HOPE	Sub 20201618(CA199277)	144,858	6,317
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	201333-05	84,446	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	13205	188,381	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	1201305	44,943	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	62379.2007349.669309:1	138,336	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	A129118	(10,628)	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	DARTMOUTH COLLEGE	R1479	34,569	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	DUKE UNIVERSITY	A031195	19,692	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	ECOG-ACRIN MEDICAL RESEARCH FOUNDATION, INC.	EA2185	22,916	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	0001110318	23,678	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	6 NUS0MN000005-05-02	7,992	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	FRONTIER SCIENCE & TECHNOLOGY RESEARCH FOUNDATION INC.	1002	44,264	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	GEORGETOWN UNIVERSITY	424817_GR411040-UCLA	60,756	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	GEORGETOWN UNIVERSITY	425075_GR424901-UCLA	75,456	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	HARVARD PILGRIM HEALTH CARE	AH000632	(4,858)	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	13765	8,753	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	SUM1CA121947-16	96,148	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	7 UM1CA121947-15	17,357	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	7UM1CA121947-15	1,003,266	

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93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	A138600	1,127,554	
93.393	CANCER CAUSE AND PREVENTION RESEARCH	COVID-19	PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	210094-01	23,655	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	P01CA233432	59,284	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	RNG211064-UCD-01	32,219	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	RNG211065-UCD-01	123,926	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	RNG211423-UCSF-01	267,096	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	RNG211988-UCSF	49,545	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	210094-02	132,209	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	210542-03	736	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	RNG211477-UCLA	7,238	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE	SUB (CA23732) RNG210201-UCSD	43,492	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	A122238	161	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	A129358	6,063	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	A141166	25,218	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	A22-0449-001	56,598	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	U01CA269264	22,190	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	MEMORIAL SLOAN-KETTERING CANCER CENTER	MSKSUB00000116	32	
93.393	CANCER CAUSE AND PREVENTION RESEARCH	COVID-19	PASS THROUGH	MEMORIAL SLOAN-KETTERING CANCER CENTER	SUB00000480AM2	80,014	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60047262 UCSF	109,346	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60058756 UCI	10,590	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	PALO ALTO VETERANS INSTITUTE FOR RESEARCH, INC.	CUA0006-02	16,135	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	PONCE MEDICAL SCHOOL FOUNDATION, INC.	A133654	1,358	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	0879	67,677	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	SUB A22-0020-5001 (CA258221)	198,911	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	59856-12856-UCSF	(6,127)	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	SEATTLE INSTITUTE FOR BIOMEDICAL AND CLIN RESEARCH	CK11-UCD-2	161,149	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	61959228-130956	23,430	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62785931-237806	101,631	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	THE INSTITUTE FOR CANCER RESEARCH	75N91019D00022	149,341	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000519160-SC005	63,955	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	Sub 000527577-SC011 (CA248439)	7,793	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	THOMAS JEFFERSON UNIVERSITY	Sub 080-30000-S27901 (CA21552)	(122)	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	TULANE UNIVERSITY OF LOUISIANA	TUL-HSC-557431-20/21	47,660	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	582014	2,806	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	586331	38,068	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	R01CA092596	6,305	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF ARKANSAS, FAYETTEVILLE	UA2023-371	2,924	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	R21MH122800-02	256,062	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF HAWAII AT MANOA	A141059	32,294	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF HAWAII AT MANOA	KA1363	30,141	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF HAWAII AT MANOA	KA1488	223,645	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF HAWAII AT MANOA	KA1886	28,718	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF IOWA	1001588781	(261)	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	GR16844	5,935	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, BALTIMORE	20982	30,124	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF MELBOURNE	GLO58179- UCSF - Y1	(2)	
93.393	CANCER CAUSE AND PREVENTION RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF MIAMI	OS00000717	19,073	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	3004700012	13,489	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	3004717185	6,220	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	R21CA251343	87,344	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	N009774301	16,129	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5116923	26,554	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	sub 515810(CA227122)	65,478	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH TEXAS	PO17001851:13	823	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD000002840 (135006-1)	86,432	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF ROCHESTER	SUB00000540/UR FAO: GR533360	11,536	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	100794433	7,021	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	107857258	474,295	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	143298642	15,271	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-000002947	121,005	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-000003161	5,941	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-000003529	102,352	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-000003763	101,444	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS M.D. ANDERSON CANCER CENTER	00003027	370	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS M.D. ANDERSON CANCER CENTER	3002023553	101,127	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS M.D. ANDERSON CANCER CENTER	R35CA20430	24,576	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS M.D. ANDERSON CANCER CENTER	Sub 3001543561 (CA243554)	154,499	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS M.D. ANDERSON CANCER CENTER	Sub 3001922252 (CA267856)	153,219	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	R37CA265967	37,226	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	10054672-04	148,934	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	A22-0333-001	62,630	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF VERMONT	AWD00000046SUB00000012	66,467	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF VERMONT	AWD00000046SUB00000015	29,941	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF VIRGINIA	GB11058.169242	52,823	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	R01CA266377	39,604	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC11970	67,965	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC12783	104,413	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC12812	45,822	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA GUPTA 323320rev (CA222866)	135,293	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	YESHIVA UNIVERSITY	31190A	36,841	
93.393	CANCER CAUSE AND PREVENTION RESEARCH		PASS THROUGH	UNIVERSITY AT BUFFALO (A STATE UNIVERSITY OF NEW YORK CAMPUS)	R1319537	32,110	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		867,831	55,729
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		40,791,990	4,872,091
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	ACOUSTIC MEDSYSTEMS, INC.	A131852	315,806	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	ALAUNUS BIOSCIENCES, INC.	CA254649-UCSF	164,826	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	4500002285	87	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	45000022992	4,698	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	SUB800000039:1	(63,178)	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	BROWN UNIVERSITY	Sub 00001163 (CA159954)	10,824	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	CAPSULOMICS, LLC	001	43,162	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	RES516028	(5)	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	1993200	37,592	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0002122231	21,355	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0002179802	7,752	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	1931495	13,456	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	1941047	24,434	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	20223241	90,826	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	2111935	7,953	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	COVID-19	PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	SUB 30056284 (CA260591)	12,852	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	SUB 30056284 (CA260591) A	36,527	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	sub:1801598 (CA260591)	216,507	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	COVID-19	PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	U54CA260591	14,971	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	FP25672_SUB21	4,680	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	Sub FP00026529_SUB11_01 (CA180)	28,867	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	Sub 5(GG012885-01) (CA238433)	36,682	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	1283206	2,209	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	R01CA214912	2,102	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	DUKE UNIVERSITY	A03-5170	48,676	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	EASTERN VIRGINIA MEDICAL SCHOOL	S110281-03	24,811	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	ECOG-ACRIN MEDICAL RESEARCH FOUNDATION, INC.	304085-00001	1,123	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	FILTRO MEDICAL INC.	2021NIHSTR01	136,559	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	0001109923	18,450	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	0001110254	59,198	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	A135168	(1)	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	H. LEE MOFFITT CANCER CENTER & RESEARCH INSTITUTE, INC	110-21001-99-01-G2	4,940	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	Sub 20195234 (CA249765)	58,587	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	INFORMATION MANAGEMENT SERVICES, INC.	A23-0731-001	48,327	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	JHU-5628968	131,992	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	KFR0000152_UCLA	14,721	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH	COVID-19	PASS THROUGH	LEIDOS BIOMEDICAL RESEARCH, INC.	A23-0517-001	219,110	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	LEIDOS, INC.	sub 20CTA-DM0012(75N91019D0002)	162	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	MEMORIAL SLOAN-KETTERING CANCER CENTER	MSKSUB00000158	52,052	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	NRG ONCOLOGY	BS806-Jordan	1,176,474	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	NRG ONCOLOGY	NRG BSB - UCSF Yr 1	(3,027)	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	NRG ONCOLOGY	SUB NCTN05-Mayadev (CA180868)	9,559	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	OMNIQX, INC.	A17-0353	438,089	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	RENSSELAER POLYTECHNIC INSTITUTE	A20-0130-5001	89,121	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	Sub 59953-12989 (CA128814)	(148)	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	SRI INTERNATIONAL	R21CA260019	32,317	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62879948-139942	71,668	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	63083586-198537	49,929	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	R01CA250557	1,963	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	R01CA257843	104,435	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	THE AMERICAN COLLEGE OF RADIOLOGY	20112027	3,442	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	THE AMERICAN COLLEGE OF RADIOLOGY	CA21661	17,996	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	THOMAS JEFFERSON UNIVERSITY	Sub 080-30000-522601(CA194307)	(19,009)	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	TRACE-ABILITY, INC	P054424	(1,125)	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF BRITISH COLUMBIA	RO1CA221918	21,367	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, BALTIMORE	013494	2,782	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	1400685A Request 2609	20,674	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	RC114433UCSF	4,935	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00013602	131,662	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	N008522701	93,105	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	Sub H005023201 (CA203348)	(3)	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	Sub P006911701 (CA214550)	(12,297)	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	SUB P008201201(CA234228)	3,819	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF NEW MEXICO	7R21CA260019-02	12,623	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	133935849	24,855	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS AT SAN ANTONIO	169243/168546	(107,971)	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS M.D. ANDERSON CANCER CENTER	00005316	1,079	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC11764	247,254	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13685	125,401	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13823	22,845	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13860	46,413	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13861	39,085	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	VANDERBILT UNIVERSITY	UNIV62064	33,328	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	WAKE FOREST UNIVERSITY HEALTH SCIENCES	1280-45107-11000000454	13,727	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-22-0321	203,239	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	WINSANTOR INC	Sub 20183497(CA213555)	1,087	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	YALE UNIVERSITY	CON-80003963(GR116522)	10,586	
93.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		PASS THROUGH	YALE UNIVERSITY	SCON-00003419	92,580	
93.395	CANCER TREATMENT RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		47,945,632	4,411,592
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	ABG LAB LLC	ONC201	500	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	A133068	14,832	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	BECKMAN RESEARCH INSTITUTE OF THE CITY OF HOPE	SUB - 60808.2006130.669301	20,245	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	BIOMIMETIX JV, LLC	BMX-HGG-001	6,028	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	BRIDGENE BIOSCIENCES, INC.	A136667	66,628	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	A132926	(42,405)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CANCER TARGETED TECHNOLOGY	A132666	18,133	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	1 R21 CA246194 (RESS511519)	26,867	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	Sub 1684541 (SR01CA208851-05)	(7,400)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	Y22.830.006_AMDA4	88,915	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	2004-05	5,729	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	20230027	8,831	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	RGF011025-A	(12,750)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	RGF011774-A	35,649	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	20200007	20,972	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	A121763	2,030	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	A133302	561	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	ACCL1633	17	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	FP00026537_SUB35_01	(10)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	FP26529_SUB153	12,266	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	GRT-00000636	234,956	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	UCSF#A124469	4,252	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	UM1CA228823	10,653	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHIMERIX, INC.	A140498	39,993	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CITY OF HOPE	61984.2005759.669302	8,054	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CITY OF HOPE	A20-1587	414,885	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CITY OF HOPE	A21-1749	37,725	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	3(GG015224-01)	34,594	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	139860-21217	3,113	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	86782-11173	253,459	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	1294201	23,480	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	0001109918	2,451	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	0001125695	5,130	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

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93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	19-M49	1,766,587	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	20-M103	89,033	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	IBIS REPRODUCTIVE HEALTH	050868	15,499	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	A139425	102,925	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	A141327	37,215	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	Project Code: 13765	21,961	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	ABTC 1801	570	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	ABTC Image Core/PO#2002524918	37,640	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	KIBIO INC.	A22-1095	19,646	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	LEIDOS BIOMEDICAL RESEARCH, INC.	A23-3206	5,684	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	20192846	119,184	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	MEMORIAL SLOAN-KETTERING CANCER CENTER	BOR21-UCLA-9:3	51,402	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	MEMORIAL SLOAN-KETTERING CANCER CENTER	C21949119	86,860	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	MEMORIAL SLOAN-KETTERING CANCER CENTER	R01CA255639	134,925	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	MONTEFIORE MEDICAL CENTER	13748	(40,412)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	MONTEFIORE MEDICAL CENTER	13756	73,484	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	MONTEFIORE MEDICAL CENTER	A136200	(10,974)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	MONTEFIORE MEDICAL CENTER	A136997	(47,166)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	MONTEFIORE MEDICAL CENTER	A137604	(24)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	F7618-02	(98)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	Sub 60054204 UCSD (CA233878)	20,744	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	Sub 60062974 UCSD (CA268052)	26,977	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	NRG ONCOLOGY	5RC2DK118640-04	8,580	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	NRG ONCOLOGY	MSA NRG-GU007	5,583	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	NRG ONCOLOGY	MSA NRG-GU008	29,597	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	NRG ONCOLOGY	NRG-Feng-GY10	15,318	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	NRG ONCOLOGY	NRG-Simko-GY6	14,889	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	NRG ONCOLOGY	NRG-Tewari-GY10	10,269	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	NRG ONCOLOGY	NRG-WENZEL-GY6	1,750	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	NRG ONCOLOGY	NRG-Yom-GY8	15,000	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	SPC-1000011408   GR130912	4,996	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1004086-001_UCDAVIS	17,882	
93.395	CANCER TREATMENT RESEARCH	COVID-19	PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1013080_SWOG_UCIRVINE-cyc1	119,753	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1013080_UCIRVINE	60,821	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1013080_UCLA_Lo	18,056	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1013080-006_UCLA	15,502	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	A19-0609	66,451	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	A19-0611	8,851	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	SWOG-201304-1	(240)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PALM THERAPEUTICS, INC.	Subaward None (CA250702)	6,802	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PANDOMED	A18-2619	(33,717)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	20224245	1,057	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	A139215	20,388	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	A21-4359	7,837	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR03278 PO#02800	(803)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR03419 PO#2902	(3,941)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR03446 PO# 2891	(6,955)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR06754	102,935	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR10407	31,935	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR10907	15,274	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR10923	15,499	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR12164	60,220	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR13074	15,976	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR13075	7,928	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR13076	7,931	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR13077	3,466	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR59616	35,319	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR61601	3,600	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR64193	6,425	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	U10CA180886	27,249	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	SRI INTERNATIONAL	R01CA214515	(12,692)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	ST. JUDE CHILDREN'S RESEARCH HOSPITAL	A129189	1	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	THE EMMES COMPANY, LLC	30078719	38,795	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	THE EMMES COMPANY, LLC	2UM1CA121947-14	41,776	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	THE EMMES COMPANY, LLC	P015B180161-21:6	378,996	

**University of California**  
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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	236149A135379	111,524	
93.395	CANCER TREATMENT RESEARCH	COVID-19	PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	236688	(27)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	241749	27,102	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	TERANOSTEC INC.	A21-2237	4,741	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	Sub 680695 (CA242596)	7,421	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	FY22.1123	600	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00014072	68,895	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	PO1CA111412	146,125	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	SUB P008201201(CA234228)	20,805	
93.395	CANCER TREATMENT RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF NEVADA, LAS VEGAS/UNLV RESEARCH FOUNDATION	17-22AY-01	6,673	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	U24CA224122	34,588	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00002060 (138603-2)	152,759	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	86620293	(132)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS M.D. ANDERSON CANCER CENTER	3002038838	14,016	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	A18-0911	90,836	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	UNIVERSITY OF VIRGINIA	GB10562.PO #2169116	297,957	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	VANDERBILT UNIVERSITY MEDICAL CENTER	VUMC100499	10,953	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	VANDERBILT UNIVERSITY MEDICAL CENTER	VUMC82642	53,584	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Coffey 323632 85838851	11,045	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA LIU 323394 (CA222866)	29,796	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA MARTINEZ 323367 (CA222866)	14,211	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-19-267	279,856	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	YALE UNIVERSITY	Sub-GR109661(CA186689)	174,010	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S ONCOLOGY GROUP	20177442	(5,097)	
93.395	CANCER TREATMENT RESEARCH		PASS THROUGH	CHILDREN'S ONCOLOGY GROUP	20177495	(23,840)	
93.396	CANCER BIOLOGY RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		504,727	85,744
93.396	CANCER BIOLOGY RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		56,453,166	3,188,007
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	7000001498	21,277	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	BECKMAN RESEARCH INSTITUTE OF THE CITY OF HOPE	61502007369.669301	23,985	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	4500003967	332,051	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	SUBK00018073	223,852	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	COLD SPRING HARBOR LABORATORY	R01CA237413	60,438	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG012799-01)	3,141	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	DUKE UNIVERSITY	R34MH121228-03	26,057	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	GLYTR THERAPEUTICS, INC.	GTI-220085	129,431	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	INSTITUTE FOR SYSTEMS BIOLOGY	2018.0005	1,941	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2004998191	(1,830)	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	KINO DISCOVERY, INC.	222307	21,863	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	SUB 20051-01-144-384 (CA248 )	9,059	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	SUB 20051-01-150-384 (CA248 )	3,424	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	LEIDOS BIOMEDICAL RESEARCH, INC.	20204334	17,217	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	SUB 5710004012 (CA184898)	(53,470)	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	sub s5493, PO #648614 (CA25 )	152,470	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	MEMORIAL SLOAN-KETTERING CANCER CENTER	C2292449	23,255	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	NORTH YORK GENOME CENTER INC	A23-0454-001	10,098	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	NORTHERN ARIZONA UNIVERSITY	Sub 1004495-01(1U24CA248454 )	355,544	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60061067 UCSF	18,380	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	NYU LANGONE HEALTH SYSTEM	Sub 17-A1-00-0007144 (CA21698)	120,932	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	SPC-1000011449   GR124063	25,537	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	PURDUE UNIVERSITY	Sub 11001003-030 (CA254402)	430,144	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	PURDUE UNIVERSITY	Sub 4102-85283 (CA221289 )	179,823	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	RADIATION MONITORING DEVICES, INC.	C20-35	104,724	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	SAGE BIONETWORKS	ITCRUCLA	161,817	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	sub -60111_13533 (CA217625)	(89)	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62067977-121581	165,847	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62369039-139615	18,574	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	A22-0335	228,002	27,232
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	GF00017:1	37,696	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	Sub 000531784-SC004 (CA258248)	235,857	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB00003418	22,633	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	UNIVERSITY OF ILLINOIS CHICAGO	A22-0797	84,364	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	578075	107,831	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	585692	292,600	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTAUS-SUB000000807	140,075	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	171940/171682 (CA234228)	280,706	

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93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	5U01NS113871-03	415,491	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	Subaward 171946/171682 (CA2 )	7,836	
93.396	CANCER BIOLOGY RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	SUB UWSC9764(CA211310)	8,177	
93.397	CANCER CENTERS SUPPORT GRANTS	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		468,348	118,868
93.397	CANCER CENTERS SUPPORT GRANTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		35,836,261	1,474,624
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	ALBERT EINSTEIN COLLEGE OF MEDICINE	312138	12,182	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	ARIZONA STATE UNIVERSITY	ASU8000000010	42,975	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	CHARLES R. DREW UNIVERSITY OF MEDICINE AND SCIENCE	18-19-JV-G007740A-UCLA	4,310	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	1207658	48,273	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	A132724	101,342	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	EMORY UNIVERSITY	A791778	92,197	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	INDIANA UNIVERSITY	9373	15,000	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	INDIANA UNIVERSITY	9465	437,811	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	INDIANA UNIVERSITY	9467	26,482	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	INDIANA UNIVERSITY	9469	13,575	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	INDIANA UNIVERSITY	9470	7,894	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	INDIANA UNIVERSITY	9477	82,026	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	INSTITUTE FOR SYSTEMS BIOLOGY	2018.0013	12	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	INSTITUTE FOR SYSTEMS BIOLOGY	2022.0013	276,345	
93.397	CANCER CENTERS SUPPORT GRANTS	COVID-19	PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1010517_UCBERKELEY	7,770	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	RESEARCH FOUNDATION OF CUNY ON BEHALF OF BROOKLYN COLLEGE	Sub CM00004266-00(CA132378)	3,125	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	P50CA261605	417,952	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00010024	75,638	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	UNIVERSITY OF TEXAS M.D. ANDERSON CANCER CENTER	3001880140	9,862	
93.397	CANCER CENTERS SUPPORT GRANTS		PASS THROUGH	WASHINGTON UNIVERSITY ST. LOUIS	WU-19-171	(24)	
93.398	CANCER RESEARCH MANPOWER	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		84,676	
93.398	CANCER RESEARCH MANPOWER		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		13,540,760	
93.398	CANCER RESEARCH MANPOWER		PASS THROUGH	PURDUE UNIVERSITY	11000927-049	9,727	
93.398	CANCER RESEARCH MANPOWER		PASS THROUGH	PURDUE UNIVERSITY	11000929-026	28,049	
93.399	CANCER CONTROL		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		2,240,279	1,680,181
93.399	CANCER CONTROL		PASS THROUGH	ALLIANCE NCTN FOUNDATION	202010112	178,061	
93.399	CANCER CONTROL		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	A117662	148,311	
93.399	CANCER CONTROL		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	A134754	14,836	
93.399	CANCER CONTROL		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	UG1CA189955	5,967	
93.399	CANCER CONTROL		PASS THROUGH	ECOG-ACRIN MEDICAL RESEARCH FOUNDATION, INC.	UG1CA189828-06-UC1	21,400	
93.399	CANCER CONTROL	COVID-19	PASS THROUGH	NRG ONCOLOGY	A135966_ MMCA136 Mt. Zion	(67,929)	12,867
93.399	CANCER CONTROL		PASS THROUGH	NRG ONCOLOGY	NCORP-GOG0237-GY6	17,757	
93.399	CANCER CONTROL		PASS THROUGH	NRG ONCOLOGY	NRG-5578539	113,677	
93.399	CANCER CONTROL		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	A20-2986	19,458	
93.399	CANCER CONTROL		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR04843	18,727	
93.399	CANCER CONTROL		PASS THROUGH	PUBLIC HEALTH INSTITUTE	AR61519	38,828	
93.399	CANCER CONTROL		PASS THROUGH	PUBLIC HEALTH INSTITUTE	Master A# A137346 Task	63,248	
93.399	CANCER CONTROL		PASS THROUGH	PUBLIC HEALTH INSTITUTE	UG1CA189955	79,247	
93.399	CANCER CONTROL		PASS THROUGH	SWOG CANCER RESEARCH NETWORK	20213915	15,787	
93.399	CANCER CONTROL		PASS THROUGH	UNIVERSITY OF ARIZONA	584766	110,385	
93.421	STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND PROTECT THE NATION'S HEALTH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		806,439	
93.421	STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND PROTECT THE NATION'S HEALTH		PASS THROUGH	NATIONAL ASSOCIATION OF COUNTY AND CITY HEALTH OFFICIALS	2022-112802	35,666	
93.421	STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND PROTECT THE NATION'S HEALTH	COVID-19	PASS THROUGH	THE AMERICAN COLLEGE OF PREVENTIVE MEDICINE	710071-0923-00-1	323,947	
93.421	STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND PROTECT THE NATION'S HEALTH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC10959	42,847	
93.421	STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND PROTECT THE NATION'S HEALTH	COVID-19	PASS THROUGH	NATIONAL FOUNDATION FOR THE CENTERS FOR DISEASE CONTROL AND PREVENTION	20222282	2,461,876	1,845,971
93.426	IMPROVING THE HEALTH OF AMERICANS THROUGH PREVENTION AND MANAGEMENT OF DIABETES AND HEART DISEASE AND STROKE		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	18-10948	97,769	
93.433	ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		3,116	

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**For the Fiscal Year Ended June 30, 2023**  
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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.433	ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH		PASS THROUGH	BRANDEIS UNIVERSITY	GR404065	24,114	
93.433	ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH		PASS THROUGH	NEW ENGLAND COLLEGE OF OPTOMETRY	3740-09-30-19UCLA	77,612	
93.433	ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	GR126890 / SPC-1000006370	22,472	
93.433	ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	SPC-1000006535 / GR127056	8,997	
93.433	ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	COVID-19	PASS THROUGH	REHABILITATION INSTITUTE OF CHICAGO	82264	124,661	
93.433	ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	COVID-19	PASS THROUGH	REHABILITATION INSTITUTE OF CHICAGO	8163	104,863	
93.433	ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH		PASS THROUGH	SHEPHERD CENTER, INC.	SHEP-20-0002	201,963	
93.435	INNOVATIVE STATE AND LOCAL PUBLIC HEALTH STRATEGIES TO PREVENT AND MANAGE DIABETES AND HEART DISEASE AND STROKE-		PASS THROUGH	COUNTY OF SAN DIEGO	559701	633,476	10,000
93.493	CONGRESSIONAL DIRECTIVES		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		379,016	
93.504	FAMILY TO FAMILY HEALTH INFORMATION CENTERS	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		(9,801)	
93.516	PUBLIC HEALTH TRAINING CENTERS PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		83,680	
93.542	HEALTH PROMOTION AND DISEASE PREVENTION RESEARCH CENTERS: PPHF - AFFORDABLE CARE ACT PROJECTS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	SUB 2002922541(DP005045)	58	
93.592	FAMILY VIOLENCE PREVENTION AND SERVICES/DISCRETIONARY		PASS THROUGH	SOUTH BAY COMMUNITY SERVICES	30096969	27,940	
93.595	WELFARE REFORM RESEARCH, EVALUATIONS AND NATIONAL STUDIES		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		86,699	
93.630	DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS		PASS THROUGH	WAYNE STATE UNIVERSITY	WSU22048	103,915	
93.632	UNIVERSITY CENTERS FOR EXCELLENCE IN DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH, AND SERVICE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,240,284	
93.647	SOCIAL SERVICES RESEARCH AND DEMONSTRATION		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		20,913	
93.648	CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION		PASS THROUGH	COUNTY OF COLUSA	C000114268	6,324	
93.648	CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION		PASS THROUGH	UNIVERSITY OF NEBRASKA	ULRF_21-0988-01	103,464	
93.701	TRANS-NIH RECOVERY ACT RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF MICHIGAN	3002522303-PNT	2,448	
93.701	TRANS-NIH RECOVERY ACT RESEARCH SUPPORT		PASS THROUGH	UNIVERSITY OF ROCHESTER	100041-D	3,197	
93.702	NATIONAL CENTER FOR RESEARCH RESOURCES, RECOVERY ACT CONSTRUCTION SUPPORT		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		948,217	
93.732	MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		488,698	301,213
93.733	CAPACITY BUILDING ASSISTANCE TO STRENGTHEN PUBLIC HEALTH IMMUNIZATION INFRASTRUCTURE AND PERFORMANCE – FINANCED IN PART BY THE PREVENTION AND PUBLIC HEALTH FUND (PPHF)		PASS THROUGH	ACADEMIC PEDIATRIC ASSOCIATION	20152248		491
93.738	PPHF: RACIAL AND ETHNIC APPROACHES TO COMMUNITY HEALTH PROGRAM FINANCED SOLELY BY PUBLIC PREVENTION AND HEALTH FUNDS		PASS THROUGH	PUBLIC HEALTH ADVOCATES	7 UM1CA121947-15 / 13765		79,831
93.738	PPHF: RACIAL AND ETHNIC APPROACHES TO COMMUNITY HEALTH PROGRAM FINANCED SOLELY BY PUBLIC PREVENTION AND HEALTH FUNDS	COVID-19	PASS THROUGH	PUBLIC HEALTH INSTITUTE	21-10356		53,893
93.747	ELDER ABUSE PREVENTION INTERVENTIONS PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		266,464	
93.747	ELDER ABUSE PREVENTION INTERVENTIONS PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	21-3120	254,500	
93.747	ELDER ABUSE PREVENTION INTERVENTIONS PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	22-3023	92,466	
93.814	PARTNER SUPPORT FOR HEART DISEASE AND STROKE PREVENTION		PASS THROUGH	UNIVERSITY OF MICHIGAN	sub0016274 (NS119825 Direct )	21,890	
93.821	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	DUKE UNIVERSITY	SUB 243797(HHSN-27520180003I)	(1,812)	
93.837	CARDIOVASCULAR DISEASES RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,474,221	238,683
93.837	CARDIOVASCULAR DISEASES RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		122,532,084	13,248,702
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	ALBERT EINSTEIN COLLEGE OF MEDICINE	Sub 311257(HL140976)	37,437	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	ALBERT EINSTEIN COLLEGE OF MEDICINE	Sub 31148A (HL146132)	79,602	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	AUGUSTA UNIVERSITY	Sub 38479-3 (HL136275)	242,434	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	7000001657	27,830	
93.837	CARDIOVASCULAR DISEASES RESEARCH	COVID-19	PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	7000001802	207,029	
93.837	CARDIOVASCULAR DISEASES RESEARCH	COVID-19	PASS THROUGH	BOSTON UNIVERSITY	4500003918	38,658	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	123632	13,903	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	Sub 117712 (HL134811)	61,366	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	Sub 120938 (HL034594)	27,074	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	sub 126419 (HL160799)	298,033	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	SUB 225707 (HL123336)	3,832	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	SS32035	59,005	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CALIFORNIA NORTHSTATE UNIVERSITY, LLC	R01HL139639	17,414	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	S18-0011	9,535	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CARE NEW ENGLAND HEALTH SYSTEM	SUB 5001381(HL130591)	(44)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	RESS51085	176,901	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	Sub RESS515663 (HL149409)	262,613	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0001150918	(10,340)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0001562752	109,810	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	1670409	16,706	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	1686631	6,648	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	1847785	148,120	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	63427_2010840.669302:1	47,353	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	FY22-576.001:1	15,061	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	R01HL160860	51,855	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CHAPMAN UNIVERSITY	500623-Sub 1	41,245	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	20192539	286	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	3200170321	7,883	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	R01HL163798	48,816	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER	R01HL132831	364,207	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG011028)	(12,591)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	SUB 1 GG013356-01(HL138468)	521	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY IRVING MEDICAL CENTER	R01HL149680	(13,527)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	DREXEL UNIVERSITY	013893	7,695	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	1R01HL160654	8,713	
93.837	CARDIOVASCULAR DISEASES RESEARCH	COVID-19	PASS THROUGH	DUKE UNIVERSITY	303000406	13,834	
93.837	CARDIOVASCULAR DISEASES RESEARCH	COVID-19	PASS THROUGH	DUKE UNIVERSITY	303001735	9,054	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	EKO HEALTH, INC.	A137289	450	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A662266	15,591	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	SUB A429570 (HL146147)	125,275	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	FORDHAM UNIVERSITY	013750	25,850	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	FORDHAM UNIVERSITY	FORD0084-30387	18,659	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	0001081390	119,087	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	Basic	392,082	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	Sub 0001135321 (HL130483)	89,457	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	GE GLOBAL RESEARCH	sub 401148496 (HL153250)	190,563	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	Subaward 22-M17 (HL158305)	43,888	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SC-00002	521,075	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SC-00006	53,295	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SC-00041	32,203	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	111331-5117334	116,690	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	Sub GENFD0002119879 (HL162367)	144,985	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	HEALTHCORE, INC.	20151999	9,710	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	HUNTINGTON MEDICAL RESEARCH INSTITUTES	6085-19-02	17,788	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-E901-4609	215,106	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	Sub 0255-7877-4609 (HL127624)	114	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	R01DK118455	36,366	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	RNG209677-01	(15,887)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	RNG210915-UCSF	5,453	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	RNG212085-UCSF-01	24,197	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	KENT COUNTY MEMORIAL HOSPITAL	5001731-08-UCSF	117,709	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	Sub 22817-44-393 (HL136275)	101,006	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	Sub 22817-50-393 (HL136275)	(18,585)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	Sub 38479-3 (HL136275) 1	(1,368)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	LARIX BIOSCIENCE LLC	R43HL149492	79,104	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	LOMA LINDA UNIVERSITY	2160056-UCLA	12,678	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	LOYOLA UNIVERSITY OF CHICAGO	R01HL158649	112,707	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	LUNDQUIST INSTITUTE FOR BIOMEDICAL INNOVATION AT HARBOR-UCLA	22002633	12,190	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	LUNDQUIST INSTITUTE FOR BIOMEDICAL INNOVATION AT HARBOR-UCLA	SUB 31470-01 (HL146666)	21,679	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	A132138	169	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	MERCK SHARP & DOHME LLC	A130621	87,019	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NATIONAL BUREAU OF ECONOMIC RESEARCH, INC.	4144B.UCSF	43,657	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NEW ENGLAND RESEARCH INSTITUTES, INC.	201500084	4,183	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NEW ENGLAND RESEARCH INSTITUTES, INC.	A124544	9,937	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NEW ENGLAND RESEARCH INSTITUTES, INC.	G140030	2,656	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NEW ENGLAND RESEARCH INSTITUTES, INC.	PRESERVE	5,000	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NEW ENGLAND RESEARCH INSTITUTES, INC.	Sub 30075648 (HL068270)	90,783	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NEW ENGLAND RESEARCH INSTITUTES, INC.	Sub None (HL107407)	(16,692)	

**University of California**  
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93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NORTH CAROLINA STATE UNIVERSITY	2020-0275-01	152,795	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION, IN	Sub K1Z2200-05 (HL144707)	296,314	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60057139 UCSF	59,964	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60058454 UCSF	20,796	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60059342 UCSF	150,743	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60060152 UCSF	140,925	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60060286 UCSF	415,679	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60062965 UCSF	499,829	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	A122687	(44)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	GR124599	23,326	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	OPTIMA INTEGRATED HEALTH, INC.	145871707.2	34,799	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	OPTIMA INTEGRATED HEALTH, INC.	A133317	(75)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	OPTIMA INTEGRATED HEALTH, INC.	R44HL149428-01	3,703	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1015340	145,225	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	SUB 1005338 UCSD (HL078610)	1,358	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	PROFUSA, INC.	A135140	96,807	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	02098	3,235	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	PURDUE UNIVERSITY	11001052-015	17,057	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	RADY CHILDREN'S HOSPITAL-SAN DIEGO	sub S1072-1002532-SA1 (HL14517)	869,895	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	RAND CORPORATION	SCON-00000309	87,573	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	RAND CORPORATION	SCON-00000511	32,874	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	10-312-0217457-66032L	9,886	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	SUH3NS106945-05	60,160	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	R01HL141170	6,939	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	SUB00002734	4,193	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	SUB00002745	15,773	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	SAINT LOUIS UNIVERSITY	A01694-14590	19,751	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	Sub 60062-12921-UCSD (HL131474)	526	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	SEATTLE CHILDREN'S HOSPITAL	Sub 11903SUB (HL128630)	(2,518)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	SEATTLE CHILDREN'S HOSPITAL	Sub 12862SUB (HL157166)	9,865	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	61786701-132591	6,322	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	61925511-132591	53,151	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62060911-135894	(11)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62163872-136790	176	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62782624-131789	(555)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	A20-3260	314,501	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	P01HL141084	811,685	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	R01HL152055	77,865	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	R01HL158052	20,859	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	Sub (HL132225-04)	(2,793)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	Sub 61324668-122625(HL130840)	(8,074)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	Sub 62114678-131050 (HL141712)	59,905	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	Sub 62371248-139973 (HL149134)	295,916	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	sub 62479930-118781 (HL083359)	161,117	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	63042854-208825 5747035	27,481	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	SUB M1902042 (HL145534)	16,555	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	TEXAS HEART INSTITUTE	R01HL118650-08	181,279	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	20152908	42,458	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	230744	1,304	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	237424	3,090	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	237449	48,834	48,834
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	THE HEKTOEN INSTITUTE OF MEDICINE	A124992	743	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	50811-324-UCSF01	(130)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000518828-SC002	52,545	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	000530812-SC013	50,364	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF HOUSTON	FY23.1194.002	68,174	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF ILLINOIS CHICAGO	R-21-0096	30,275	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF IOWA	sub-18147-HL148756	20,586	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC.	S03650-01	31,750	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	011506	6,096	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MIAMI	18888 Request:2221	8,940	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MIAMI	OS00000857	12,362	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	Sub OS00000264(HL148880)	13,018	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00006576	(685)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00013863	53,923	

**University of California**  
**Schedule of Expenditures of Federal Awards**

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00016707	41,805	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	UG3HL145269	68,564	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	WT1163724	2,542	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	Sub SubK00012912 (SUBK00008 )	73,797	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	N006187401	(873)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	N006187440	(5,427)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	P008505104	16,403	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	P009030102	13,326	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	R01HL138539	5,205	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	5121395	43,973	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5123729	160,722	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5124051	19,474	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	SUB 5116340 (HL147853)	7,433	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	A132807	(1,065)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00004807 (136801-6)	7,875	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00004822 (137695-4)	19,656	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	CNVA00062571 (132385-1)	5,000	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF ROCHESTER	SUB00000377URFAOGR532630	3,135	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	6143-1210-00-A	110,128	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	133248014	214,299	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	142010096	16,348	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	R01HL146570	65,769	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS AT SAN ANTONIO	172403/172293	67,701	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT TYLER	SC18-01	331	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	GMO 230115	56,004	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	GMO230909	136,610	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	10059876-02	185,075	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	10064134-02-UCSF	2,517	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	R01HL163145-01	9,523	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF VIRGINIA	AWD-002157.GR100350	32,174	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF VIRGINIA	Sub GB10392 153894 (HL136098)	(2,487)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	A128449	2,506	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	A140798	48,450	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC10377	(282)	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN SYSTEM	R01HL141214/809K373	85,316	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000000669	258,592	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	VALVENTION, INC.	224122	27,398	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	VANDERBILT UNIVERSITY MEDICAL CENTER	sub VUMC 80057 (HL149948)	94,577	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	VANDERBILT UNIVERSITY MEDICAL CENTER	VUMC102874	308,699	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA VALLON 322798(HL142814)	90,536	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-23-0050	84,596	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-23-0391	28,304	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-23-0448	14,939	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	WORCESTER POLYTECHNIC INSTITUTE	11250-GR	26,282	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	YALE UNIVERSITY	CON-80003618(GR116086)	145,538	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	CHILDREN'S MERCY HOSPITAL	Sub 601164 (HL148463)	19,340	
93.837	CARDIOVASCULAR DISEASES RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	sub JOTV2359-01 (HL151564)	15,588	
93.838	LUNG DISEASES RESEARCH	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)			542,222	213,835
93.838	LUNG DISEASES RESEARCH	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)			62,693,939	9,453,541
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	ALTAY THERAPEUTICS, INC.	RHL162149A	48,385		
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	ARKANSAS CHILDREN'S HOSPITAL RESEARCH INSTITUTE	4469 LeWinn	16,371		
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	AUGUSTA UNIVERSITY	33346-2	3,908		
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	BOSTON UNIVERSITY	17-070	53,208		
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	BOSTON UNIVERSITY	R01HL150638	369,022		4,414
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	20201646	39,203		
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	118660 (Sub)(R01HL139634-04)	28,430		
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	122869	507,885		
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	A22-0101	169,786		
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	SUM1A069424-17	174,052		
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	WU-23-0272	455,109		
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	315648	63,207		
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	A20-0097	147,375		
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	CHILDREN'S HOSPITAL OF CINCINNATI	OS00000373/315648	1,772		
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	R01DK117809-05	4,274		
93.838	LUNG DISEASES RESEARCH	PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	U01HL159880	2,000		

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER	Sub 311013 (U24HL148865)	16,432	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER	sub OS00000357/311013 (HL14)	32,479	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG010919-05)	(1,993)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	8(GGO15000-01)	80,214	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	9(GGO15835)	47,245	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	GENFD0002340606:05	69,706	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY IRVING MEDICAL CENTER	4(GGO15835-03)	77,226	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY IRVING MEDICAL CENTER	4(GGO17998-01)	45,607	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	COPD FOUNDATION	003	19,701	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	214655-03	70,208	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	220367-14	260,612	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	222474-15	41,171	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	R01NS107851-04	32,502	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	SS0403	93,718	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	Sub 210581-5 (HL154944)	3,060	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	UWSC13491:1	48,230	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	20101137	38,934	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	EFFECTORBIO, INC.	A22-0626	64,388	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	FLORIDA INTERNATIONAL UNIVERSITY	000569	609,006	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	FLORIDA INTERNATIONAL UNIVERSITY	000570	522,637	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	FLORIDA INTERNATIONAL UNIVERSITY	SUB 000581 (HL146369)	135,560	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	HENRY FORD HEALTH SYSTEM	B11194_UCSF	35,402	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	SUB 0255-2931-4609 (HL137219)	40,855	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS ALL CHILDREN'S HOSPITAL INC	Sub ACR1 9-001 (HL130048)	(5)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2003614631	3,782	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005382143	19,552	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005688955	36,504	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	LUNDQUIST INSTITUTE FOR BIOMEDICAL INNOVATION AT HARBOR-UCLA	6H17MC40193-02-01	260,009	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	MCW-5608298	50,274	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	MCW-5613332	23,242	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	NATIONAL JEWISH HEALTH	20111605_UCSF sub	(211)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	NATIONAL JEWISH HEALTH	20116004-UCSF	189,951	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	NATIONAL JEWISH HEALTH	20133005_UCI	49,635	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	NATIONAL JEWISH MEDICAL AND RESEARCH CENTER	R01HL148437	9,398	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	NATIONAL JEWISH MEDICAL AND RESEARCH CENTER	SUB 2020072608 (HL089897)	139,088	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	NATIONAL MARROW DONOR PROGRAM	Sub C10002-17SIBS (HL131731)	(1,477)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	OT2HL156812	4,332	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	A139750	16,814	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	ADU-05-21	2,235,022	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	Sub NCT04505774 (HL156812)	15,660	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	SUB 20210721 (OT2HL161847-01)	4,946,348	2,464,195
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	NYU LANGONE HEALTH SYSTEM	A136202	(144)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	NYU LANGONE HEALTH SYSTEM	PREG-02-21	1,600,697	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	NYU LANGONE HEALTH SYSTEM	OT2HL161847-01 9PED-09-21	817,105	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	GR124199(SPC-1000005204)	163,247	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	R01HL139881	62,460	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	Sub 60057621(HL126945)	4	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	Sub 60061829 (HL138116)	(6,908)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	PROTEOGENOMICS RESEARCH INSTITUTE FOR SYSTEMS MEDICINE	sub 720605 (HL119165)	(302)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	REJUVENATION TECHNOLOGIES INC.	R44HL166034	22,411	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	SAGE BIONETWORKS	2022.03	24,191	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	SAGE BIONETWORKS	239077	(13,205)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	70225-13425-UCSD (HL131474)	225,755	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	70225-13430-UCSD (HL131474)	189,566	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	Sub 60062-12923-UCSD (HL131474)	(318)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62346239-131009	43,285	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62448056-151323	80,558	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	THE CHEST FOUNDATION	A137814	17,803	13,934
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	12389sc	8,083	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	14090sc	29,827	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	236620	184,564	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	237165	42,272	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	238369	42,209	11,856
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	238915	236,109	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	239080	51,203	

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93.838	LUNG DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	242484	147,756	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	A134296	61,682	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	A138623	327,431	54,901
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	A22-3714	(3,639)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	BLUE CORAL	5	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	2017292	(2,607)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	702660	87,401	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	702661	47,376	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	R01HL160666	38,162	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS	FY22.576.010	15,339	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY20.032.002	34	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY22.032.003_AMD1	224,532	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	R01A1135631-05	26,808	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	3004647871	15,662	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	011615	44,037	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00010623	41,841	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	Sub SUBK00013688-005 (HL156 )	(965)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	A005956202	224,910	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5123238	65,060	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5125917-H3UCSFAD&P	290,941	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	R01AG050687-05	39,156	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA SYSTEM	5121771	52,146	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA SYSTEM	sub 5114474-H3UCSDHILL (HL1389)	242,883	29,286
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	584974	134,017	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	586182	39,061	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	A140696	18,350	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	R01HL159886	(1,811)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	A19-0879	20,569	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	CNVA00049424 (128118-1)	(1,730)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	P01HL103455	(226)	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	sub AWD00002642 (135011-6)	198	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT TYLER	6053-SC22-19	7,949	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000001323	95,583	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	VANDERBILT UNIVERSITY MEDICAL CENTER	vurmc 44301	1,219	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-20-479-MOD-2	118,005	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	WAYNE STATE UNIVERSITY	7R01HL148247-03	1,176	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	WAYNE STATE UNIVERSITY	WSU22144	70,423	
93.838	LUNG DISEASES RESEARCH		PASS THROUGH	WEILL MEDICAL COLLEGE OF CORNELL UNIVERSITY	231781-3	36,227	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		159,349	102,558
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		7,038,521	92,963
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	ANN & ROBERT H. LURIE CHILDREN'S HOSPITAL OF CHICAGO	901516-UCI	41,953	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL AND RESEARCH CENTER FOUNDATION	127909	(35,238)	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	CLEVELAND CLINIC LERNER COLLEGE OF MEDICINE	CCF21259850 / 1359-SUB	(24,392)	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	CLEVELAND CLINIC LERNER COLLEGE OF MEDICINE	Sub CCF22367423 (HL140097)	24,098	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A136946	11,858	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	1068622	27,877	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	CLA-234667	84	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	6238112	30,831	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	NATIONAL MARROW DONOR PROGRAM	1704	13,647	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	SPC-10000011270/GR128911	14,691	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	PHENOMA BIOSCIENCES, INC.	002	120,504	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	PHENOMA BIOSCIENCES, INC.	A136084	(1,010)	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	1-312-216670-65884L	138,431	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	70225-13429-UCSB	375,631	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	70225-13430-USCD (HL131474)	445,912	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	GENFD000207609	32,339	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000524452-SC015	18,708	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000532950-SC002	632	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	UNIVERSITY OF IOWA	S00823	49,277	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	579472	140,409	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	R01HL107904	2,309	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD000000392 (137957-6)	4,560	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA PARMER 323779 098290001(HL)	81,629	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-19-208	23,339	
93.839	BLOOD DISEASES AND RESOURCES RESEARCH		PASS THROUGH	YALE UNIVERSITY	CON-80004239 (GR119540)	13,643	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.840	TRANSLATION AND IMPLEMENTATION SCIENCE RESEARCH FOR HEART, LUNG, BLOOD DISEASES, AND SLEEP DISORDERS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		3,116,028	447,722
93.840	TRANSLATION AND IMPLEMENTATION SCIENCE RESEARCH FOR HEART, LUNG, BLOOD DISEASES, AND SLEEP DISORDERS		PASS THROUGH	NATIONAL MARROW DONOR PROGRAM	#1904	3,314	
93.840	TRANSLATION AND IMPLEMENTATION SCIENCE RESEARCH FOR HEART, LUNG, BLOOD DISEASES, AND SLEEP DISORDERS		PASS THROUGH	NYU LANGONE HEALTH SYSTEM	OT2HL156812	310,157	
93.840	TRANSLATION AND IMPLEMENTATION SCIENCE RESEARCH FOR HEART, LUNG, BLOOD DISEASES, AND SLEEP DISORDERS	COVID-19	PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	20203331	3,232	
93.840	TRANSLATION AND IMPLEMENTATION SCIENCE RESEARCH FOR HEART, LUNG, BLOOD DISEASES, AND SLEEP DISORDERS	COVID-19	PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00015164	(1,046)	
93.840	TRANSLATION AND IMPLEMENTATION SCIENCE RESEARCH FOR HEART, LUNG, BLOOD DISEASES, AND SLEEP DISORDERS		PASS THROUGH	YALE UNIVERSITY	CON-80003766 (GR117030)	113,493	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,021,828	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		62,730,834	5,875,672
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	ALLANDER BIOTECHNOLOGIES, LLC	A22-3688	119,167	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	AUGUSTA UNIVERSITY	Sub 32307-32 (DK115255)	(22)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	R01HL139614-05	393,982	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	4500001983	(1)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	4500002321	785	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	20163020	(3,282)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	Sub 118780 (DK112940)	6,932	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	BROWN UNIVERSITY	00002281	35,797	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	CARTILAGE, INC.	CI-5616434	29,370	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	Sub RESS15415 (DK094157)	950	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	CLEVELAND CLINIC LERNER COLLEGE OF MEDICINE	CCF21339819	63,594	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	DARTMOUTH-HITCHCOCK MEDICAL CENTER	GC10392-04	236	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	EAST CAROLINA UNIVERSITY	sub AWD-20-0851-S001 (AR078)	9,581	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A659123	338,936	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	EPGEN BIOSCIENCES, INC.	SUB 20180686	158,446	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	EPGEN BIOSCIENCES, INC.	SUB 20190461(AR072546)	146	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	Sub 20-M14 (AR075304)	597	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	Sub S-GRD1213-KR40 (DK098246)	(20)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	HEBREW SENIORLIFE INC.	90100	71,326	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	HOLOBIOME, INC.	Sub R44DK120181	144,683	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	Sub 8426-UCSD (DK121378)	119,608	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	JAEB CENTER FOR HEALTH RESEARCH, INC.	Sub 30015853(DK108612)	(1,333)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2003547464	42,981	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	A22-2547	42,178	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	Sub 20108-44-342 (DK114457)	(226)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	LOYOLA UNIVERSITY OF CHICAGO	Sub 206882 (DK106898)	64,019	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	LOYOLA UNIVERSITY OF CHICAGO	Sub 208397 (DK111848)	75,702	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	MASS GENERAL BRIGHAM INCORPORATED	SU01CA233074-05	6,204	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	MEDICAL UNIVERSITY OF SOUTH CAROLINA	A20-0247-S001	35,680	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	MYOGENE BIO LLC	20212175	(62,594)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	19-A1-00-1000432	368,176	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	Sub 60046311 UCSD (DK092217)	(5,815)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	Sub 60050287 UCSD (DK117824)	51,001	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	SPC-1000006280 GR124880	15,239	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	ORGANOVO, INC.	Sub 20182413 (DK115242)	(15,034)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	013433	235,462	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	PULSETHERA CORPORATION	SUB 29911-2022-30056138 (AR )	100,000	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	COVID-19	PASS THROUGH	SEATTLE CHILDREN'S HOSPITAL	12129SU8	137,783	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	SONOVOL, INC.	Sub UCSD.liver.2019 (DK112492)	(10,696)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	SPINAL SINGULARITY, INC.	SUB 20183439 (DK109865)	6,313	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62231656-135310	60,330	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	STEADMAN PHILIPPON RESEARCH INSTITUTE	2022-03	252,676	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	THE BROAD INSTITUTE, INC.	SUB 5216277-550000942 (DK1055)	250	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	THE BROAD INSTITUTE, INC.	Sub 5216286-5500001263(DK10555)	10,643	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	SUB 5-53376 (DK110162)	(1)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	SUB 5-53822 (DK117872)	115,725	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	SUB 5-53968 (DK117138)	(13,763)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	sub 000534502-SC001 (AR081646)	14,364	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	TUFTS UNIVERSITY	102814-00001/NIH083	(12,017)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY17.873.001	(246)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	Sub FY19.957.001 (AR070879)	11,413	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF FLORIDA	R01HL137647-04	403,436	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF FLORIDA	R01HL141773-04	94,720	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF FLORIDA	UFDSP00012127	28,335	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF IOWA	SUB S000272-01(DK116624)	17,332	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00007880	67,464	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5121076	(5,943)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5121385	25,720	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5123300	592,038	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Sub S123439 (AR076730)	718,008	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA SYSTEM	5121077	169,604	42,774
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA SYSTEM	5121078	134,634	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA SYSTEM	5126158	39,431	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	564991	(52,911)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	575155	1,100	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	585496	24,401	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF ROCHESTER	SUB00000297/UR : GR532227	54,636	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF ROCHESTER	SUB00000308 (AR081025)	29,376	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	19-3826	27,233	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	Sub 6143-1147-00A (DK110621)	9,160	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	102070633	14,915	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	102517834	55,559	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	87118183	12,153	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	Sub 785K610(DK088925)	292,363	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA BRYAN 320632 (AR060772)	8,387	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA BRYAN, RU LIU 322799(AR075825)	1,624	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA CHANG 322720(AR075825)	52,206	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA IX 322721(DK097093)	12	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA IX 323252(DK098234)	32,089	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA MA 322861(AR075825)	51,727	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA SINGH 325907 (AR075825)	8,825	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Terkeltaub 320631 (AR06077)	48,818	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA TERKELTAUB 322743(AR075990)	1,642	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA-Mudaliar 323301 (DK098246)	22,752	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	VIRGINIA COMMONWEALTH UNIVERSITY	Sub PD304070-SC106315 (DK1059)	4	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	WASHINGTON STATE UNIVERSITY	Sub 128293 G003777 (DK082325)	12,259	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-19-181	(8,056)	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	XLOCK BIOSCIENCES, LLC	A20-2613	106,606	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	CHILDREN'S MERCY HOSPITAL	Sub 18-0019-CR (DK066143)	1,264	
93.846	ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH		PASS THROUGH	MIRIAM HOSPITAL	sub 710-7147150 (DK117857)	27,243	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)	578,686	21,465	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)	111,038,861	9,643,183	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	ACOUSTIC MEDSYSTEMS, INC.	2SB1DK108458	157,168	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	ANN & ROBERT H. LURIE CHILDREN'S HOSPITAL OF CHICAGO	901628-UCSF	62,786	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	ANN & ROBERT H. LURIE CHILDREN'S HOSPITAL OF CHICAGO	901634-UCLA	6,418	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	ARBOR RESEARCH COLLABORATIVE FOR HEALTH	AR8041916	827	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	AUGUSTA UNIVERSITY	32307-66	37,311	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	AUGUSTA UNIVERSITY	38871-2	49,569	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	AUGUSTA UNIVERSITY	A21-3630	45,923	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	AUGUSTA UNIVERSITY	Sub 35235-15 (703757/5U24DK)	29	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	AVIARA PHARMACEUTICALS, INC.	30126384	39,782	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	7000001471	49,018	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	DK127037	58,917	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	BIOPICO SYSTEMS	BPS-220645	8,521	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	BUCK INSTITUTE FOR RESEARCH ON AGING	1R01DK128435-01A1	5,089	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CALIFORNIA PACIFIC MEDICAL CENTER RESEARCH INSTITUTE	280201011-S203	39	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CALIFORNIA PACIFIC MEDICAL CENTER RESEARCH INSTITUTE	280201026-S290	(69)	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CALIFORNIA PACIFIC MEDICAL CENTER RESEARCH INSTITUTE	280201026-S296	685,954	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	R01DK125115	182,689	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	Sub RES156367 (DK094157)	7,137	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	sub RES516478 (DK116723)	(592)	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	Sub RES600216 (DK094157)	189,918	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0001405364	(3,065)	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0001897358	7,010	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0001919558	9,841	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	013156	254,722	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	5U01HL146333	8,780	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	R34MH122499-03	8,293	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	COVID-19	PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	Sub 0001827185 (DK123446)	19,890	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	SUB00000211/GR531765:1	18,994	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	Sub 0500000078/317534 (DK13)	186,144	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CITY OF HOPE	010305	26,462	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CITY OF HOPE	R01DK119590	19,838	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CITY OF HOPE	U24DK104162	102,002	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG015836-04)	364,832	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG016434-01)	19,948	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	2(GG016514-01)	21,039	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	6(GG015009-01)	43,488	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	A22-0504-001	84,861	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	sub 1(GG017615-01) (DK127778)	243,249	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY IRVING MEDICAL CENTER	P30DK063608	49,999	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	DUKE UNIVERSITY	Sub 300001193 (DK131497)	22,482	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A542006	19,553	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	ENDOCRINE SOCIETY, THE	P700000112:5	19,313	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	FZATA INC.	2022-5089	146,153	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	30105086	25,809	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	SUB S-GRD2223-TR40 (DK098246)	13,843	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SC-00025	144,018	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SC-00082	1,217	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD PILGRIM HEALTH CARE	AH000668	37,673	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-A945-4609 /A943/A944	25,916	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-B225-4609	185,011	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	80NSSC22K0926	37,003	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	7945	3,654	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	8017-UCLA	(6)	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	8429-UCSF	133,029	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	8895-UCSF (Fixed)	13,362	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	Subaward 8894-UCSD (DK 121378)	7,431	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	INSTITUTE FOR SYSTEMS BIOLOGY	Sub 2022.0005 (DK13468)	68,059	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	INTELLIGENT OPTICAL SYSTEMS, INC.	IOS-3284	(20,184)	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005772166	44,725	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	JOSLIN DIABETES CENTER	012920	19,772	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	A22-3100	6,797	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	P30DK092924	21,482	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	RNG211603-02	311,317	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	RNG211603-05	13,971	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	RNG211604-05	21,833	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	hrNG209783-ucsf-02	10,545	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	RNG200631-03	94	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	RNG209804-01	171,268	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	20108-04-144-342 (DK114457)	(82,338)	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	COVID-19	PASS THROUGH	LOMA LINDA UNIVERSITY	2190166-UCI-2	5,541	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	MCGILL UNIVERSITY	A127319	(13,581)	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	A22-1212	407,439	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	R01DK107541	(93)	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	Sub 60061103 UCSD (DK092217)	41,287	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1015566 (DK122843)	11,587	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1020881_UCSF	24,479	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	PRAETEGO INC	Sub 20202371 (DK120063)	393,976	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	PRAETEGO INC	Sub 30072671 (DK120063)	7,465	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	REELIN THERAPEUTICS, INC	Subaward 30044484 (DK126520)	7,918	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	RUSH UNIVERSITY MEDICAL CENTER	19092604-Sub01	48,133	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	SCRIPPS WHITTIER DIABETES INSTITUTE	Sub20162946-Godino(DK112322)	48,305	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	SENSEION, LLC	052413	42,327	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	SILICON KIDNEY LLC	A133108	(855)	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	SILICON KIDNEY LLC	SK 2019-02	10,098	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	SILICON KIDNEY LLC	SK 2019-04	1,937	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	SILICON KIDNEY LLC	SK 2023-01	8,523	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62742893-174993	119,603	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62744235-174993	39,859	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	63042036-247133	67,579	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	63063464-128573	45,214	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	63063465-128573	9,982	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	A22-1947	10,530	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	R01DK128932	215,484	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	THE BROAD INSTITUTE, INC.	5000815-5500001508 (DK10554)	301,410	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	THE BROAD INSTITUTE, INC.	Sub 5000869-5500001445(DK10555)	13,834	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	THE BROAD INSTITUTE, INC.	Sub 5001486-5500001866 (DK1 )	41,174	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	THE CALIFORNIA MEDICAL INNOVATIONS INSTITUTE, INC.	sub CALM12-2020-001 (DK125657)	285,060	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	Sub GENFD0001858891 (DK125490)	373,777	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	5-53816	8,675	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	SUB 5-53968 (DK117138)	42,497	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	SUB 5-53032 (DK135080-01)	12,717	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	509533	59,809	336
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	SUB 000518751-SP011-001	8,565	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	SUB 000518751-SP011-001	124,401	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	TUFTS UNIVERSITY	Sub 5021793_SERV (DK128208)	16,429	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF HAWAII AT MANOA	KA1365	(257)	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF IOWA	S02040-03	53,238	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF IOWA	S03393-01	55,564	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, BALTIMORE	19261	79,805	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	A128912	(1)	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS CHAN MEDICAL SCHOOL	SUB000000124	142,106	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00014404	360,956	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00017291	24,582	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	N005115009	21,927	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	N008738401	141,258	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF OKLAHOMA	RS20201585-03	22,241	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	582534/V585234	135,195	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	20120427	319	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	6163-1082-10-BX	803,912	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	6163-1082-10-CG	49,020	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	P000018929	122,479	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	U01DK128847	1,405,715	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	108190240	55,342	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	119256471	10,518	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	122369591	63,476	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	134245114	80,135	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF TENNESSEE	1R15DK132728-01	12,138	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	Covid-19	PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	SA0001985	47,493	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	A126823	(70)	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	10055841-03	2,383	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	10062158-02-UC	149,764	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	A134545	1,553	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC10242	136,903	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC12850	203,253	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	884K553	78,073	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VANDERBILT UNIVERSITY	R01DK125794	226,200	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VANDERBILT UNIVERSITY	UNIVS58354	123,662	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VANDERBILT UNIVERSITY	SUB - UNIV61907 (RES0041098 )	19,843	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	096070003 - 326158	456,027	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA AFARI 323832 ( DK106415)	29,583	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA (Ix) 323475 (DK119528)	(900)	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Ix (322722) SHL2118-06 (DK	4,426	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Ix (322967) (DK111510)	23,879	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Ix 322966 (DK102730)	22,956	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA KHANG 322537 (DK112042)	131,143	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Rikfin (322048) (DK111510)	43,302	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Singh 319617 (DK112042)	55,081	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Thomson 319596 (DK112042)	58,413	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA VALLON 317870 5013860(DK10)	17	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Vallon 319597 (DK112042)	147,927	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Volker Vallon 327229	15,697	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-23-0487	19,951	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	WINSANTOR INC	Sub 20190788	(170,969)	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	YALE UNIVERSITY	CON-80003428 (GR113803)	110,011	

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93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S MERCY HOSPITAL	18-0018	2,784	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S MERCY HOSPITAL	18-0020	16,896	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	EST3004-01	94,092	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	sub BAU2978-01 (DK104310)	41,828	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	sub EST2375-02 (DK130870)	10,671	
93.847	DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	YUK2177	170,245	
93.849	KIDNEY DISEASES, UROLOGY AND HEMATOLOGY RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	SUB 000518751-SP001-001(DK0793)	448,094	
93.851	TRACKING ELECTRONIC HEALTH RECORD ADOPTION AND CAPTURING RELATED INSIGHTS IN U.S. HOSPITALS		PASS THROUGH	ABFM FOUNDATION, INC.	PO549150	128,005	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		(30,964)	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		6,498,292	70,462
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	AMERICAN LIFE SCIENCE PHARMACEUTICALS, INC.	SUB 20183456(NS110147)	(32,395)	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	SUB 7000001030 (NS113294)	11,128	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	Sub 121804 (NS112107)	149,668	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	CENTRAL MICHIGAN UNIVERSITY	SUB F63353 (NS099709)	4,862	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	DARTMOUTH COLLEGE	SUB R1070 (NS108809)	12,911	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	DIAGNOSTIC CONSULTING NETWORK	Sub none (NS076359)	(10,868)	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	DUKE UNIVERSITY	Sub A03-1445 (NS109401)	82,172	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	EMORY UNIVERSITY	SUB A275623 (NS116025)	263,698	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	LUDWIG INSTITUTE FOR CANCER RESEARCH	Sub 240630-05003 (NS027036)	33,835	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	RAFT PHARMACEUTICALS LLC	SUB 20192484 (NS113705)	27,458	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	Sub P1015431 (NS104368)	61,023	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	Sub 60845-13183-UCSD (NS105969)	317,065	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	SUB 235400(NS115388)	295,661	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	UNIVERSITY OF CINCINNATI	SUB 010785-135727 (NS095869)	54,413	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	UNIVERSITY OF CINCINNATI	SUB 011266-135727 (NS100699)	1,742	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	UNIVERSITY OF CINCINNATI	SUB 011337-135727 (NS099043)	125,833	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	UNIVERSITY OF CINCINNATI	Sub 011961-135727 (NS106655)	46,238	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	UNIVERSITY OF CINCINNATI	SUB 012340-135727 (NS110728)	1,865	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	19-010728 B00	(48,458)	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK000008967 (NS100659)	6,862	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	SUB 818K484 (NS103844)	134,755	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	SUB 847K836 (NS109486)	106,242	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA 322738 SCHIEHSER (NS109852)	7,679	
93.852	NATIONAL SYNDROMIC SURVEILLANCE PROGRAM COMMUNITY OF PRACTICE (NSSP COP)		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA SHAHIDI, BAHAR 322777 (NS1)	6,203	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,615,026	63,952
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		210,713,240	20,814,385

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93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	3RT INNOVATIONS	30095253	6,999	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	ADGENE, INC.	U24NS119916	210,953	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	ALBANY RESEARCH INSTITUTE, INC.	92.6_03UCB	102,580	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	ALBANY RESEARCH INSTITUTE, INC.	U01NS108916	26,751	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	ALBERT EINSTEIN COLLEGE OF MEDICINE	R01NS104911	3,829	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	ALBERT EINSTEIN COLLEGE OF MEDICINE	Sub 311235 (NS104911)	81,242	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	7000001476	146,986	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	7000001578	225,333	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	U01NS114042	129,330	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	BETH ISRAEL DEACONESS MEDICAL CENTER	01064319	16,235	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	BETH ISRAEL DEACONESS MEDICAL CENTER	R01NS122589	117,947	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	BOSTON UNIVERSITY	4500004068	330,920	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	BOSTON UNIVERSITY	4500004084(1U19NS123717-01)	1,045,200	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	BOSTON UNIVERSITY	A16-0139-008	2	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	BOSTON UNIVERSITY	R56NS117141	330,897	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	BOSTON UNIVERSITY	Sub 4500003382(NS108472)	103,986	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	BOSTON UNIVERSITY	Sub 4500004079 (NS123717)	241,378	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	BRENTWOOD BIOMEDICAL RESEARCH INSTITUTE - USE VN2D	20111377	(5,668)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	COVID-19	PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	121803	132,323	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	012911	22,378	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	012951	33,768	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	RES513489	(47,899)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	1764731	(100,079)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	COVID-19	PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0001749379	(5,989)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0001938459	110,966	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0002141084	128,802	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	CENTRAL MICHIGAN UNIVERSITY	SUB - F64485 (NS120832)	363,234	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG011293-01)	15,599	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG013057-43)	356,652	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG013057-45)	343,447	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG015295-01)	58,634	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG015970-03)	45,476	

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93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	COLUMBIA UNIVERSITY	2(GG013057-40)	224,444	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	COLUMBIA UNIVERSITY	3(GG012011)	1,132	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	COLUMBIA UNIVERSITY	SU01MH119736-04	426,830	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	COLUMBIA UNIVERSITY	A132253	383,901	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	COLUMBIA UNIVERSITY	R01NS110826	66,638	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	COLUMBIA UNIVERSITY IRVING MEDICAL CENTER	013049	28,757	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	COLUMBIA UNIVERSITY IRVING MEDICAL CENTER	Sub 17(GG014929-07) (NS078059)	94,632	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	CORNELL UNIVERSITY	190630-04	132	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	CORNELL UNIVERSITY	224671	859	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	DARTMOUTH COLLEGE	R1597	218,133	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	DIGNITY HEALTH	1033516-UCSF	67,881	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	DIGNITY HEALTH	1033846UCSD (NS130492)	91	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	DUKE UNIVERSITY	A03-3120	33,886	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	DUKE UNIVERSITY	A03-3195	58,685	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	DUKE UNIVERSITY	A034006	(4,034)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	DUKE UNIVERSITY	A034206	(17,846)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	DUKE UNIVERSITY	A034453	308,822	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	DUKE UNIVERSITY	A19-0510-004	22	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	DUKE UNIVERSITY	Sub 303-000363 (NS111039)	110,441	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	DUKE UNIVERSITY	Sub A034711 (NS092521)	(18,837)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	EAST CAROLINA UNIVERSITY	AWD-22-0309-5001	19,590	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	EMORY UNIVERSITY	A645710	5,992	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	EMORY UNIVERSITY	A704931	109,360	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	EMORY UNIVERSITY	A706953	3,927	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	EMORY UNIVERSITY	A719465	103,056	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	EMORY UNIVERSITY	R01NS106905	74,648	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	EMORY UNIVERSITY	SUB A364771 (NS088748)	47,546	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	EYSZ, INC	P0537916	5,223	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	22-M25	7,662	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	sub 21-M50 (NS124477)	34,426	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	GEOGETOWN UNIVERSITY	Sub 414703_GR424846-UCSD	98,989	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	GEOGETOWN UNIVERSITY	SUB 414775_GR414769-UCSD	51,461	

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93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	GLADSTONE INSTITUTES	SC-00068	92,173	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	GLADSTONE INSTITUTES	Sub R2432-A (NS097976)	44,891	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	HARVARD UNIVERSITY	153407.5111711.0109	402,040	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	HUNTINGTON MEDICAL RESEARCH INSTITUTES	2755-19-01SB	83,601	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-C191-4609	45,434	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-F511-4609	223,895	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-F512-4609	160,082	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	900155:5	425,291	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	A138126	103,979	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005820764	122,591	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	R01NS117604	2,113	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	U01NS122764	16,749	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	KENNEDY KRIEGER INSTITUTE	20190402	(1,933)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	KENNEDY KRIEGER INSTITUTE	A133285	14,406	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	KENNEDY KRIEGER INSTITUTE	K12NS098482	51,591	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	KENNEDY KRIEGER INSTITUTE	RFA NS-19-040	154,329	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	LOUISIANA STATE UNIVERSITY SYSTEM	R01NS113955	68,808	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	LPATH INCORPORATED	1R44NS087641-01	617	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	LUNDQUIST INSTITUTE FOR BIOMEDICAL INNOVATION AT HARBOR-UCLA	PM-32068/PO#23000452	230,523	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	MAGNETIC TIDES, INC.	054269	109,761	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	MASSACHUSETTS HEALTH RESEARCH INSTITUTE, INC.	2020A014357	33,032	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	MASSACHUSETTS HEALTH RESEARCH INSTITUTE, INC.	Sub EN21-01 Task Order #02	47,144	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	THE-224063	18,322	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	UCA-232463	40,611	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	UCA-288816-03	158,635	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	UCL-232483	1,771	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	METHODIST HOSPITAL GROUP	AGMTO0004551	(26,149)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	NAVEGA THERAPEUTICS, INC.	Sub 30179251 (NS112088)	145,356	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	NEURANO BIOSCIENCE LLC	NB-216645	35,137	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	NEUROPACE, INC.	13880	140,652	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	NORTHWESTERN UNIVERSITY	60054977UCSF	49,152	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	NORTHWESTERN UNIVERSITY	60056762 UCI	24,404	

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93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	NOVOGLIA LLC	N-219885	30,093	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	NOVOGLIA LLC	N-220857	95,189	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	OHIO STATE UNIVERSITY	GR125069 / PO # SPC-10000	320,082	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	OHIO STATE UNIVERSITY	SPC-1000006884 GR128774	44,532	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1013078-005_UCLA	92,670	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	PALO ALTO VETERANS INSTITUTE FOR RESEARCH, INC.	R01NS117340	105,244	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	PRINCETON UNIVERSITY	U19NS104648	3,182	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	RICE UNIVERSITY	R23553	213,098	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	ROCKEFELLER UNIVERSITY	R01NS083823	(245)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	RUSH UNIVERSITY MEDICAL CENTER	15060903-Sub03	60,563	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	1 U19 NS123719-01	435,395	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	SUB A20-0038-5001 ( NS116885 )	6,983	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	Sub A21-0028-5001 ( NS115591 )	63,704	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	SEATTLE INSTITUTE FOR BIOMEDICAL AND CLIN RESEARCH	Sub PE165-UCSD-1 ( NS128966 )	47,899	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	SIERRA HEALTH FOUNDATION	SHF-5626188	32,012	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	STANFORD UNIVERSITY	61987623-135726	(44,515)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	STANFORD UNIVERSITY	62537895-197703	263,715	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	STANFORD UNIVERSITY	62578906-195082	112,335	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	STANFORD UNIVERSITY	62696336-209158	63,255	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	STANFORD UNIVERSITY	62696337-209158	51,997	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	STANFORD UNIVERSITY	62762174-224206	399	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	STANFORD UNIVERSITY	A18-0238	78,681	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	SYNAPTICURE, INC.	P0554092	563,770	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	TEMPLE UNIVERSITY	Sub 261426-UCSD ( NS105961 )	170,887	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	81199.UCLA.01.TSC	2,394	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	81199.UCLA.02.PTEN	117	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	GENFD0001773962	35,669	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	R03DK127131-02	18,452	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	239322	760,003	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	232364	55,027	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	234362	36,710	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	235400	148,669	

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93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	A18-0600-001		(166)
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	A23-0219-001		22,524
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	NN107		1,338
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	NN110		39,052
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	NN111		6,455
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	Sub 235400 (NS115388)		74,075
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	U01NS114001		26,312
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	SUB - 5-54487 (NS087026)		90,467
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	Sub 5-54569 (NS122098)		35,125
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE TEXAS A&M UNIVERSITY SYSTEM	M2000370		(14,585)
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000510297-SC005		488
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	1R01NS127424-01A1		30,738
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF ARIZONA	R01NS076856		28,979
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF ARIZONA	R01NS114913		185,764
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CHICAGO	AWD101286 (SUB00000377)		88,150
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CHICAGO	AWD101792 (SUB00000461)		171,250
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CHICAGO	FP066261-G		47,494
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CHICAGO	Sub AWD101042 (SUB00000300)		324,966
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	13381		485,491
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	010785- 127986		8,137
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	COVID-19	PASS THROUGH	UNIVERSITY OF CINCINNATI	010785-133897		12,165
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	010785-135728 HEMPHILL		733
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	010785-135728 MEISEL		7,309
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	011266-135728		12,958
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	011337-127986		11,906
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	COVID-19	PASS THROUGH	UNIVERSITY OF CINCINNATI	011337-133897		10,169
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	011337-135728		23,190
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	011414-Adm-Cramer		56,878
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	011414-Adm-Saver		19,931
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	012043-127986		8,702
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	COVID-19	PASS THROUGH	UNIVERSITY OF CINCINNATI	012043-133897		25,844
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	COVID-19	PASS THROUGH	UNIVERSITY OF CINCINNATI	012044-133897		7,965

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93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	012340-133897	665	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	012765-127986	1,420	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	013381-127986	1,130	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	013381-135728	538	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	013888-133897	213	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	014059-133897	1,112	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	A19-4628-1	4,025	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	R21NS125184-01	2,503	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	Sub 012765-135727 (NS110772)	5,933	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	Sub 013888-135727 (NS117450)	4,941	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	SUB 014059-135727 (NS100699)	106	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	U01NS110772	5,276	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF CINCINNATI	U01NS117450	12,185	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	693JJ32345078	50,557	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB00002667	15,125	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB00002739 (NS111680)	29,845	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB00002889	5,806	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB00003374	16,379	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF GEORGIA	7R01NS12422602	27,447	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF GEORGIA	R01NS100090	728	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF IOWA	1117750007	23,415	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF IOWA	S03327-01	40,350	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF IOWA	U01NS055903	311,854	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	Sub 20853 Request: 2765	40,592	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	22-016731 A00	351,140	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF MIAMI	OS00000257	96	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF MICHIGAN	3004730634	68	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00007560	(1,723)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00011821	283,738	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00011888	247,233	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00012299	22,106	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF MICHIGAN	U01NS099046	36,197	

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93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF MINNESOTA	Sub N009539501 (NS127266)	27,005	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF NEBRASKA AT KEARNEY	17-022-01		(8)
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	578251	32,453	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	578474/585761	14,666	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	579752	89,670	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	581679	28,977	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	585719	12,155	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	Sub 579752(NS114140)	(4,027)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF PITTSBURGH	3RF1NS121913-01S01	42,579	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF PITTSBURGH	CNVA00061536 (131230-1)		(12,752)
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF ROCHESTER	415681-G/5-27019	4,000	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF ROCHESTER	417388	282,832	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF ROCHESTER	417711	8,935	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF ROCHESTER	R25DE030574-02	19,807	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	132606203	19,207	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	137449716	149,616	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	84718050	162,918	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	85744618	8,069	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00002666	181,322	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00004679	75,471	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	SUB UTA20-001072 ( NS116377 )	819,358	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	SA0000791	20,616	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	SA0001495	16,179	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	SA0001541	169,826	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	R01NS017950	93,246	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	012028	134,885	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	COVID-19	PASS THROUGH	UNIVERSITY OF VERMONT	32808SUB52599	106,708	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF VERMONT	AWD00000566SUB00000245	37,144	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF VIRGINIA	GB10477.PO#2247114	(389)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF WASHINGTON	R61NS123195	143,026	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF WASHINGTON	SUB - UWSC12408 (NS108934)	359,456	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC10779	304,347	

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93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	R01NS110719	97,033	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	SUB 578K325 (NS083514)	(163)	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	VIVANI MEDICAL, INC.	20190428	170,258	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	VIVANI MEDICAL, INC.	20221018	47,029	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-23-0430	3,761	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	WINSANTOR INC	Subaward None (NS120354)	103,506	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	YESHIVA UNIVERSITY	312119	307,047	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	YESHIVA UNIVERSITY	312301	423,286	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	METHODIST HOSPITAL RESEARCH INSTITUTE	AGMT00000770	694	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY AT BUFFALO (A STATE UNIVERSITY OF NEW YORK CAMPUS)	R1317019	39,141	
93.853	EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS		PASS THROUGH	UNIVERSITY OF KENTUCKY/THE UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	3200003137-20-268	(32,132)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		49,008,509	17,202,004
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		380,972,594	109,798,846
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		2,730	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	ALBERTA CHILDREN'S HOSPITAL FOUNDATION	Sub 30076206 (AI165327)	34,343	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	ALEPH THERAPEUTICS, INC.	A138296	104,129	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	AMERICAN GASTROENTEROLOGICAL ASSOCIATION, INC.	Sub FMT_UCSD2022 (AI118629)	35,317	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	ARKANSAS CHILDREN'S HOSPITAL RESEARCH INSTITUTE	Sub 034146-016 (AI139032)	912	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	ARKANSAS CHILDREN'S HOSPITAL RESEARCH INSTITUTE	sub 034067 - UCSD Broide	12,816	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	30030379	35,823	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	7000000718	2,084	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	sub 70000001368 (AI157981)	10,731	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	A135426	2,152	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY16ITN182	8,133	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY16ITN207	169,578	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY19ITN160	31,500	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY19ITN199	(1,057)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY19ITN332	507,457	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY20ITN057	28,545	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY20ITN372	66,248	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY20ITN390	93,484	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY20ITN393	15,000	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY21ITN428	511,407	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY21ITN429	6,370,380	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY21ITN476	1,233	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY21ITN505	104,222	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY21ITN533	8,355	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY22ITN352	93,400	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY22ITN394	21,141	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY22ITN553	32,927	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY22ITN578	192,750	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY22ITN602	12,313	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	FY23ITN382	21,232	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	ITN258	775	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	ITN462	19,436	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BENAROYA RESEARCH INSTITUTE AT VIRGINIA MASON	UM1A1109565	5,295	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BIOPEPTIDE CO., INC.	20202480	396,033	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BIOSYNTHESIS, INC.	A140345 UCSF	198,731	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	4500002391	76	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	4500002399	(542)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	4500003416	20,398	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	4500003527	43,010	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	4500004283	39,000	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	sub (4500003871) (AI151639)	181,658	

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93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	109135	13,603	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	123506	356,132	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	127576	2,191	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	127798	23,784	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	PS#105087/CTOT-11	7,039	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	A22-0721-001	1,373	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	SUB S19-0017 (A1146719)	476	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0001726627	183	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	RNG21070-UCLA:3	17,866	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	Sub 0001522646 (A127406)	222,786	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	Sub 0001602163 (A141401)	305,261	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	Sub 0001604491 (A134030)	71,690	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	Sub 0001713984 (A103542)	7,773	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	000013273-B	5,699	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	RGF010603-D	16,785	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	139469	(494)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	A656378 (A229530):4	29,429	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	Sub 309363 (A117804)	23,605	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	POH20408856/GRT-00002464	18,279	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	COLORADO STATE UNIVERSITY	G-14944-1	(19)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	COLORADO STATE UNIVERSITY	G-65026-01	10,631	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	COLORADO STATE UNIVERSITY	R01A1148633	43,151	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	2(GG011896-65)	5	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	U54A1138370	53,172	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY IRVING MEDICAL CENTER	A139181	49,870	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	212094	575,943	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	212095-04	118,430	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	212645	94,136	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	223319	109,225	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	CORNELL UNIVERSITY	A21-3111	150,572	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	P01A1129859	378,996	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	1300402	45,987	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DARTMOUTH COLLEGE	009399	77,841	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DARTMOUTH COLLEGE	012635	62,589	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DARTMOUTH COLLEGE	R1263	94,641	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	303001640	89,634	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	303001650	61,449	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	SUM1A104681	2,937	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	A031636	249,830	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	A032960	(47,551)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	A039085	(1)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	A134936	37,358	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	PO-000738	454,165	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	Sub 248445/A031576 (A1139032)	2,196	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	sub 303000161 (A104681)	35,440	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	Sub 303000163 (A104681)	112,569	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	Sub A034274 (UM1A104681)	(6,047)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	DUKE UNIVERSITY	sub 303000168 (A104681)	17,764	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	ELDEC PHARMACEUTICALS, INC.	Sub WBSE-A034260, SPS-26111	87	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMMUNE, INC.	R42A1155107	1,159	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A21-2017	112,064	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A051274	32,205	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A231427	49,628	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A316780	73	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A316848	54,857	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A335552	42,455	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A335591	114,310	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A355399	25,167	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A527902	16,480	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A541924	134,434	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A563620	131,880	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A615375 (formerly A542078)	56,661	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A720359 / A310207	88,220	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	AWD-004393.GR	810	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	EMORY UNIVERSITY	Sub A358053 (A1090023)	34,672	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	012964	22,095	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	HPTN 084: PO21002697	1,007,130	965,959
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO18002627	22,353	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO15002977	93,227	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO17001861	666,466	381,869
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO19002630	16,865	12,961
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO20002573	(787)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO20002746	689,887	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO20002892	239,531	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO20003265	1,563	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO21000995	259,295	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO21000535	36,653	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO21000537	62,724	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO21001034 (HPTH-MGA-REGUC-1)	155,045	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO21002576 HVVTN140/HPT101	86,455	85,654
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO2200054	107,224	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO22001412	152,579	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO22002122	55,444	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	PO22002125	51,938	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	Sub PO G000040 (A106819)	16,445	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	sub PO2121000538 (A106819)	41,435	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FAMILY HEALTH INTERNATIONAL	SUB00002658	419,750	340,493
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FEDERAL UNIVERSITY OF BAHIA	20200500	102,569	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FELIX BIOTECHNOLOGY, INC.	1R41A165185-01A1	64,930	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	FRED HUTCHINSON CANCER CENTER	30090223	760	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	0001115993	317,537	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	80NSCC22K1005	216,615	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	P229A180016-21:6	196,667	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	FRED HUTCHINSON CANCER CENTER	sub 0001062466 (A106814)	53,275	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	PO No. 401109530	(468)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	GENERAL ELECTRIC COMPANY	012072	90,575	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	013076	40,067	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	21-M110	135,243	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	sub 21-M103 (A1117970)	67,160	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	GEORGETOWN UNIVERSITY	Sub 411316_GR411240-UCSD AWD-7	(1)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	GEORGETOWN UNIVERSITY	414702_GR414915-UCSD (2R01A)	214,643	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	GEORGIA STATE UNIVERSITY	SP00015567-01	104,272	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SC-00050	149,406	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	GLADSTONE INSTITUTES	SC-00086	162,641	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	sub SC-00051 (A1164559)	72,425	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	HARVARD PILGRIM HEALTH CARE	5U01A153005-04/PH763D	461,133	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	HARVARD PILGRIM HEALTH CARE	Subaward PH000875A (A1170254)	3,767	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	114487-5122326 (A1051164)	171	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	114722-5114089	72,395	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	160510-1955	26,460	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	GENFD0002200696 (A1163072)	8,165	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	Sub 114607-5121893 (A1138901)	31,231	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	HELUNA HEALTH	0014.0110	720,717	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	HELUNA HEALTH	0689.0101	4,502	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	HELUNA HEALTH	0689.0103	20,909	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	HELUNA HEALTH	A122745	(4,123)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	HENRY FORD HEALTH SYSTEM	B23836UCSF	366,328	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-A136-4609	46,946	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-B641-4609	31,504	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-C147-4609	(368)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-C164-4609	11,193	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-F841-4609	21,661	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	A133733	(28,186)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	A134502	(1,229)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	Sub 0255-A133-4609 (A1135972)	84,192	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	Sub 0255-A133-4609(A1135972)	65,996	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	Sub 0255-E053-4609 (1U01A1)	42,760	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	8295_UCSF A	(6,269)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	8987_UCSF A	226,156	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	8988_UCSF B	139,764	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	IOWA STATE UNIVERSITY	U01CA23370-05	108,024	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	LDR 40 MOD 01	1,331	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2003151007	(410)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2003229857	363	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2003649365	6,675	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2003649374	7,598	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2004171087	16,430	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005169203 (AI068632)	60,867	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005285932	45,692	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005303242	139,697	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005765093	180,000	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	IMPAACT-05617850	123,584	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	LDR 68 (UM1 AI068632-15)	33,041	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	LDR 70	25,863	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	PTCL 47	21,043	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	R01AI157007	344,953	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub (A13889) A138897	119	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub 200303655(AI069918)	(76,597)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	SUB 2003749517 (AI068632)	(888)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub 2003989285 (AI068632)	872	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub 2004117651 (AI134591)	21,077	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub 2004266092 (AI138897)	15,555	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub 2004427524 (AI145555)	23,701	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub 2004911378 (AI068632)	82	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub 2004911407 (AI068632)	87,340	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub 2004915361 (AI068632)	32,240	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub 2005039826 (AI068632-15)	196,096	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	sub 2005285894 (AI138897)	52,726	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Sub 2005818352 (AI164566)	13,054	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	sub LDR 59 (AI068632)	56,702	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	Subaward 2005476333 (AI069918)	150,929	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	UM1AI068632	55,913	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	20013-01-157-284	98,686	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	DE-EE0010228	179,726	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	Sub 20010-01-144-384 (AI15075)	71,044	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	Sub 27318-44-384 (AI135731)	46	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	Sub 27429-01-116-382 (AI142742)	20,123	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	Sub 27429-01-144-382 (AI42742)	17,601	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	Sub 27429-02-150-382 (AI142742)	39,771	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	BG38089	402,847	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	Master Agreement B623353	10,145	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	LEIDOS BIOMEDICAL RESEARCH, INC.	A20-3921	285,857	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	LIGNAMED, LLC	A20-0733	48,271	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	LUCIRA HEALTH, INC.	R44AI152737-SA1	304,366	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	LUNDQUIST INSTITUTE FOR BIOMEDICAL INNOVATION AT HARBOR-UCLA	65500214:1	(23,091)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	MICHIGAN STATE UNIVERSITY	sub RC10226UC (AI145925)	160,177	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	MONASH UNIVERSITY	sub: 299815414 - UCSD - 01	44,273	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	MONTANA STATE UNIVERSITY	G381-21-W9134	71,426	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	MONTANA STATE UNIVERSITY	Sub G221-20-W7868 (AI147441)	2,770	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	MOUNT KENYA UNIVERSITY	A140706	33,853	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NATIONAL JEWISH HEALTH	20124101 (AI151958)	351,654	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NATIONAL JEWISH HEALTH	Sub 20098105 Admin Core (AI117)	8,408	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NATIONWIDE CHILDREN'S HOSPITAL	700212	471,088	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NEW YORK BLOOD CENTER, INC.	MOP-NIH685	3,017	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NORTH CAROLINA STATE UNIVERSITY	R01AI139085	134,893	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NORTHERN ARIZONA UNIVERSITY	1004095-01	12,450	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NORTHERN ARIZONA UNIVERSITY	Sub 10053472-02 (AI166614)	32,193	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NORTHROP GRUMMAN SYSTEMS CORPORATION	7500157108	79,421	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60049111 UCLA	150,561	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60056418 UCSF	121,607	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60060177 UCSF	53,465	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	600611555 UCLA	89,761	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NOVOBIOTIC PHARMACEUTICALS, LLC	NBP-220432	(15)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NYU LANGONE HEALTH SYSTEM	20-00-00-1003829	512,312	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	NYU LANGONE HEALTH SYSTEM	22-A0-00-007347	49,754	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	SPC-1000006754   GR127946	19,584	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	R01AI166969	1,141	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	R21AI170547	147,106	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	PERATON CORP.	PO-0041499	302,829	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	PHARMACEUTICAL PRODUCT DEVELOPMENT, LLC	30078150	1,778	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	PURDUE UNIVERSITY	11001368-045	15,926	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	REACTIVE BIOSCIENCES INC.	P0543425	54,766	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	16-312-0217530-66871L	61,569	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	0943	(19,358)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	59560-12797-UCLA	(1)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	SOUTHERN MEDICAL UNIVERSITY	SMU-5535612	36,802	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	61444536-120709	3,994	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62539603-194831	99,597	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62594817-167216	197,275	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62630092-219928 (R01AI142864)	290,185	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62658988-171019	119,820	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	63004291-249941	7,566	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	63011367-242682	36,849	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	63101879-137240	10,566	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	Sub 62230099-135391 (AI142487)	6	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	STELLENBOSCH UNIVERSITY	S006815-02	67,870	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	TECHNOLOGICAL INSTITUTE OF CHASCOMUS	GMO220315:1	27,737	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	TEMPLE UNIVERSITY	262177-UCLA	(10,491)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	TEMPLE UNIVERSITY	268028-UCLA (P0685751)	366,424	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	TENDEL THERAPIES INC.	A21-1455	36,861	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	TENDEL THERAPIES INC.	A22-0731	117,627	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE AMERICAN ONCOLOGIC HOSPITAL	SUB CORE B (AI102853)	148,848	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE AMERICAN ONCOLOGIC HOSPITAL	SUB PROJECT 4 (AI102853)	319,443	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	A323611	4,663	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	GENFD0002185119	165,873	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	R01CA215185-05	100,115	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	R01MH115676-05	171,320	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	Sub GENFD0001572212 (AI125051)	800	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	Sub GENFD0001644919 (AI126614)	102,668	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	SUB80000600	116,039	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	232560	57,221	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	232788	11,948	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	239761	183,110	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	241285	9,074	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE HEKTOEN INSTITUTE OF MEDICINE	50616-324-UCSF01	(227)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	5-54363	1,187	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	5-54735	232,688	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	5-55024	22,776	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	R01HL143465-04	363,340	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	SUB 5-27434 (AI145815)	96,055	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	Sub 5-54210 (AI44462)	35,444	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	Sub 5-54834 (AI171443)	243,895	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	UM1A1144462	863,615	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	M1803705	123,942	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE TEXAS A&M UNIVERSITY SYSTEM	M1803707	175,012	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE TEXAS A&M UNIVERSITY SYSTEM	M2103444	308	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE TEXAS A&M UNIVERSITY SYSTEM	SUB M1800750 (AI127807)	(112)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000510836-005	8,296	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000529618-SC005	427,153	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000529618-SC007	321,101	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	R01GM102308-09	62,133	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	Sub 000509734-007 (HHSN2722016)	40,182	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	Sub 000529618-SC004 (AI067039)	515,824	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	Sub 510836-004(AI067039)	9	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	Sub (HHSN2722013000121/HHSN)	(6,730)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	TRANSLATIONAL GENOMICS RESEARCH INSTITUTE	ALTIN-20-01	(5)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	TRELLIS BIOSCIENCE, INC.	1R44AI150143-01	88,291	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	TRIANGLE BIOTECHNOLOGY, INC.	R44AI152796	3,121	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	TUFTS UNIVERSITY	104015-00001	77,167	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	TUFTS UNIVERSITY	R01AI146245	63,554	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	583970	424,930	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	649339	66,129	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	R21AI152394	1,284	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF CALGARY	A22-0498	53,848	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF CENTRAL FLORIDA	Sub 22206A07 (AI154777)	624,724	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF CENTRAL FLORIDA	Sub GR107045 (AI172066)	30,932	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF CHICAGO	A22-0665-001	77,881	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF CHICAGO	Sub FP066835-B (AI136056)	28,540	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF COLOMBO	2223475	2,190	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS	FY23.1050.006	27,780	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY19.956.001	98,170	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY21.1050.002	24,369	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY23.1050.007	16,642	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	Sub FY21.938.002 (AI153185)	152,285	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	Sub SUB00003196 (AI145815)	430,916	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB000003298	92,345	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF GEORGIA	SUB00001202	5,306	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF IOWA	R01AI132402	79,915	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF LOUISVILLE	Sub ULRF_19-0506-01(AI139671)	184,576	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC.	ULRF_21-0970-01 (AI168475)	353	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	R01AI154722	63,962	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS CHAN MEDICAL SCHOOL	1R01AI141181-01	219,993	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS CHAN MEDICAL SCHOOL	Sub 00000023 (AI160247)	242,754	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MIAMI	U24AI126683	119	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUB 0500001116 (169643)	34,915	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF MICHIGAN	3004686906	42,005	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	R01AI132372	7,942	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK000010590	134,211	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00014439	224,323	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00015556	56,176	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00016800	29,318	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	P010276612	101,516	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	P010276613	51,977	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	P010276614	33,411	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	P010276615	6,349	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	Sub P010276616 (AI171954)	183,607	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	Sub P010276617 (AI171954)	119,177	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	Sub P010276618 (AI171954)	548,124	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	Sub TBD (AI171954)	917	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MONTANA	SUB PG19-61078-01(HHSN22018000)	595,883	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NEW MEXICO	0480US-870D	35,682	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5031553	(16,769)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5112989	16,404	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5120658	41,550	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE	Sub 51133449 (AI145646)	10	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	20211125-03-UCI	104,594	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	204124UCSF	23,961	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	012248	353,340	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	1R01AI144522-01A1	15,525	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	579036	90,081	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	012269	59,864	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00002422_134588-1	41,671	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00004849 (137097-1)	7,438	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	R01AI019844	87,373	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF RHODE ISLAND	0007489/11012018	142,811	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SAN FRANCISCO	420072-A	34,017	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	6123-1246-03-D	129,595	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	009365	27,147	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	6123-1246-25-D	78,492	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	6123-1247-14-D	110,976	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	6144-1304-00-A	183,536	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	132725895	71,647	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	134501791	53,760	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-000002192	(2,540)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00002203	(3,223)	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS AT SAN ANTONIO	U19AI166761	52,754	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	169187/169185	20,511	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON	23-86408-03	42,447	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON	SU01AI151801	16,047	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF TORONTO	515231	378,868	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	10059619-01-UCSD	123,402	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	10061484-01-UCI	43,624	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Covid-19	PASS THROUGH	UNIVERSITY OF UTAH	U000386503	272,601	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Covid-19	PASS THROUGH	UNIVERSITY OF UTAH	Sub 10062103-11-UCSD (AI170 )	346,756	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Covid-19	PASS THROUGH	UNIVERSITY OF VERMONT	33925UB00000433	20,000	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	sub UWSC12876 (AI148300)	298,410	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC11806	37,099	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Covid-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC11940	53,978	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Covid-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13063	91,464	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13092	162,175	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13664/BPO65462	35,367	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	534	8,902	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000002121	336,086	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	A124789	99	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	A135574	100,232	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	P01AI132132	16,145	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Covid-19	PASS THROUGH	VANDERBILT UNIVERSITY	VUMC96943	73,471	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH	Covid-19	PASS THROUGH	VANDERBILT UNIVERSITY	VUMC96944	69,677	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VANDERBILT UNIVERSITY MEDICAL CENTER	Sub VUMC81650 (AI150739)	99,279	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VANDERBILT UNIVERSITY MEDICAL CENTER	U01AI154659	86,179	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	3UM1AI144462-01SI	(92)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	JPA Guatelli 323708 (AI129706)	59,739	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA (Guatelli) 323319 (AI08166)	119,101	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA 327054 (1R21AI162159-01A1)	29,669	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Bethell 327384 (AI157755)	2,418	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA GUATELLI 322679rev (AI116)	81,565	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA GUATELLI 323755 (3219)	15,202	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA LEWINSKI 326022 (AI116194)	38,836	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Lewinski 326868 (AI172489)	18,759	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Lewinski 326869 (36477-1)	37,149	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Looney 309176 (AI036214)	(13)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Richman 317687 (AI126620)	(36,378)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Singh 323261 (AI081668)	57,882	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Singh 326873 (AI116194)	48,217	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Stoneham 323290(AI140991)	(177)	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Stoneham 323309(AI081668)	40,592	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA STONEHAM 323901 (AI129706)	33,856	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA STONEHAM 324043 (AI116194)	2,111	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Stoneham 326867 (AI172599)	48,108	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	Sub 100970001-325453 (AI157 )	36,675	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA STONEHAM 323902 (SR33AI )	8,879	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA MAZROUEE 325785 (AI157 )	39,428	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA Singh 326945 (1R03A172 )	6,191	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA PA Rajendra Singh 32695	6,191	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	VITALANT	11859UCSF162	297,079	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	WAKE FOREST UNIVERSITY	sub 491-101720-114409 (AG05)	18,319	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	YALE UNIVERSITY	CON-80002963-GR112591	151,384	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	YALE UNIVERSITY	CON-80004224 (GR119485)	10,939	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	YALE UNIVERSITY	GR105299(CON-80001663)	6,376	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND SCHOOL OF MEDICINE	GR106288 (CON-80001798)	153,944	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	MIRIAM HOSPITAL	1903414	20,813	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	WISTAR INSTITUTE	714708SSNA	52,626	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	WISTAR INSTITUTE	25901-82-324	95,611	
93.855	ALLERGY AND INFECTIOUS DISEASES RESEARCH		PASS THROUGH	WISTAR INSTITUTE	sub 25900-32-324 (AI164570)	197,742	
93.856	MICROBIOLOGY AND INFECTIOUS DISEASES RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		453,651	
93.858	NATIONAL COLLABORATION TO SUPPORT HEALTH, WELLNESS AND ACADEMIC SUCCESS OF SCHOOL-AGE CHILDREN	Covid-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		(176)	
93.858	NATIONAL COLLABORATION TO SUPPORT HEALTH, WELLNESS AND ACADEMIC SUCCESS OF SCHOOL-AGE CHILDREN		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		11,759,749	1,027,211

**University of California**  
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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.858	NATIONAL COLLABORATION TO SUPPORT HEALTH, WELLNESS AND ACADEMIC SUCCESS OF SCHOOL-AGE CHILDREN		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	sub 121940 (GM132825)	34,911	
93.858	NATIONAL COLLABORATION TO SUPPORT HEALTH, WELLNESS AND ACADEMIC SUCCESS OF SCHOOL-AGE CHILDREN		PASS THROUGH	CARNEGIE MELLON UNIVERSITY	sub 1090607-425868 (GM137413)	2,392	
93.858	NATIONAL COLLABORATION TO SUPPORT HEALTH, WELLNESS AND ACADEMIC SUCCESS OF SCHOOL-AGE CHILDREN		PASS THROUGH	CITY UNIVERSITY OF NEW YORK	Sub CM00001969-00 (GM100946)	(269)	
93.858	NATIONAL COLLABORATION TO SUPPORT HEALTH, WELLNESS AND ACADEMIC SUCCESS OF SCHOOL-AGE CHILDREN		PASS THROUGH	INDIAN HEALTH COUNCIL, INC.	Sub 20174777 (GM128073)	20,159	
93.858	NATIONAL COLLABORATION TO SUPPORT HEALTH, WELLNESS AND ACADEMIC SUCCESS OF SCHOOL-AGE CHILDREN		PASS THROUGH	INDIAN HEALTH COUNCIL, INC.	Sub 20174885 (GM128073)	50,186	
93.858	NATIONAL COLLABORATION TO SUPPORT HEALTH, WELLNESS AND ACADEMIC SUCCESS OF SCHOOL-AGE CHILDREN		PASS THROUGH	INSTITUTE FOR SYSTEMS BIOLOGY	Sub 2017.0002 (GM127667)	3,593	
93.858	NATIONAL COLLABORATION TO SUPPORT HEALTH, WELLNESS AND ACADEMIC SUCCESS OF SCHOOL-AGE CHILDREN		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	Sub 5-53465 ( GM100934)	(2,309)	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		788,102	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		234,458,699	4,473,113
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		460,238	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	ADAMAS NANOTECHNOLOGIES	ANI1015	56,611	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	ALGEN BIOPHARMACEUTICALS, INC.	A141037	6,077	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	BRIDGE12 TECHNOLOGIES INC.	CNIGM0113	150,007	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	CAL STATE L.A. UNIVERSITY AUXILIARY SERVICES, INC. (UAS)	UCI-G01241	5,914	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	S504305	27,351	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA	O13923	5,034	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, LONG BEACH FOUNDATION	SG25262110UCI	14,481	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, NORTHridge	A22-0037-001	27,321	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	CHARLES R. DREW UNIVERSITY OF MEDICINE AND SCIENCE	PO59979	18,924	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	CITY UNIVERSITY OF NEW YORK	CM000004850-02	203,486	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	CLAREMONT COLLEGES	1R15GM135860-01-01	48,258	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	CORNELL UNIVERSITY	A20-0670	57,993	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	DEFINED BIOSCIENCE, INC.	Sub 30135292 (GM140750)	35,965	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	FELIX BIOTECHNOLOGY, INC.	1R43GM146502-01	99,439	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	FLUID DISCOVERY, INC	A141430	177,250	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	FORCYTE BIOTECHNOLOGIES INC.	220084	47,325	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	INCIPION LLC	I-222237	67,962	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	INDIAN HEALTH COUNCIL, INC.	Sub 20192950 (GM128073)	3,248	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	INTEGRATED MICRO-CHROMATOGRAPHY SYSTEMS, INC.	A21-0636	415,642	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	INTEGRATED MICRO-CHROMATOGRAPHY SYSTEMS, INC.	A22-0568	361,370	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	IOWA STATE UNIVERSITY	R35GM131885	(3,132)	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	LOYOLA UNIVERSITY OF CHICAGO	213711-UCI	60,806	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	UCA-251795	17,180	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	20185107	71,602	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	MICHIGAN STATE UNIVERSITY	RC110435UC	41,411	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	NANOCELLECT BIOMEDICAL, INC.	30225099	61,326	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	NORTH CAROLINA STATE UNIVERSITY	2016-3285-01	42,650	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	PURDUE UNIVERSITY	R01GM97332	20,368	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	Q-CHEM, INC.	049449	87,248	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	Q-CHEM, INC.	2R44GM121126-02	26,339	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	Q-CHEM, INC.	2R44GM128480-02A1 (Teresa Head-Gordon)	5,473	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	ROCKEFELLER UNIVERSITY	2R01GM112108-07	46,445	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	ROCKEFELLER UNIVERSITY	SUB00000266/5P41GM109824	222,600	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	STANFORD UNIVERSITY	62241037-136718	358,718	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	STANFORD UNIVERSITY	62388902-139655	64,440	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	A22-0240	26,776	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	Sub 5-53979 (GM133157)	168,763	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY CORPORATION AT MONTEREY BAY	210222-5056301A-S-A	33,942	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF ARKANSAS, FAYETTEVILLE	012822	26,965	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	1558952	93,831	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	Sub 1558951 (GM132386)	141,877	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	FY22.726.001_AMD3	(1,448)	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF CONNECTICUT	UCHC7-145415998	(41,250)	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB00000226	88,848	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF GEORGIA	012116	203,354	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF GEORGIA	R01GM137008	122,093	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	083118-15900	(8,095)	

**University of California**  
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93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	A21-0790	42,793	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS SYSTEM	OSP32288-00	17,803	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF MICHIGAN	A19-0897	45,159	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK000009716	(2,857)	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF NEBRASKA	24-1123-0005-002	(22,976)	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF NEBRASKA MEDICAL CENTER	R01GM131092	100,725	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	A22-0698-001	73,008	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	COVID-19	PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00000238 (136669-10)	9,981	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	COVID-19	PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00000238 (136669-6)	19,311	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING	COVID-19	PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00002352 (134497-4)	4	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF PITTSBURGH	CNVA00048589 (127394-3)	410	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF ROCHESTER	A21-0502-001	21,665	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	011656	66,376	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	GMO220311 PO#00000002624	153,232	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF UTAH	10044932-06	(5,524)	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF VIRGINIA	GB10352. PO #2200118	329	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF VIRGINIA	GB10854. PO 2271437	14,680	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	VANDERBILT UNIVERSITY	R01GM137458	37,268	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	VENOMYX, INC.	SUB 30076282 (1R41GM146314)	60,762	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	VIRGINIA TECH CARILION SCHOOL OF MEDICINE, INC	412703-19A28(GM143940)	39,681	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	YALE UNIVERSITY	012395	8,087	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	YALE UNIVERSITY	CON-80003969 (GR118383)	61,931	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	STONY BROOK UNIVERSITY (A STATE UNIVERSITY OF NEW YORK CAMPUS)	79590/2/1142917	48,952	
93.859	BIOMEDICAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	UNIVERSITY OF KENTUCKY/THE UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	3200005247-23-226	23,053	
93.860	EMERGING INFECTIONS SENTINEL NETWORKS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		2,467,679	2,219,899
93.860	EMERGING INFECTIONS SENTINEL NETWORKS		PASS THROUGH	OLIVE VIEW-UCLA EDUCATION & RESEARCH INSTITUTE, INC.	19-33	298	
93.860	EMERGING INFECTIONS SENTINEL NETWORKS		PASS THROUGH	OLIVE VIEW-UCLA EDUCATION & RESEARCH INSTITUTE, INC.	A136318	5,560	
93.861	STRENGTHENING THE PUBLIC HEALTH SYSTEM IN US-AFFILIATED PACIFIC ISLANDS (PPHF)		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		208,028	
93.862	GENETICS AND DEVELOPMENTAL BIOLOGY RESEARCH AND RESEARCH TRAINING		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)			
93.864	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,640,600	574,632
93.864	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		62,140	
93.864	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	BOSTON MEDICAL CENTER CORPORATION	Sub BMC ID 6928 (HD096798)	2,805,205	299,406
93.864	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	Sub 3200880522 (HD091185)	54,908	
93.864	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE GAIA MEDICAL INSTITUTE LLC	Sub None (HD097039)	14,315	
93.864	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	Sub 230910 (HD068250)	(1,003)	
93.864	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	Sub 231626 (HD093578)	9,178	
93.864	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	TULANE UNIVERSITY OF LOUISIANA	Sub TUL-HSC-557538-19/20 (HD05)	6,724	
93.864	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	RTI HEALTH SOLUTIONS	Sub None (HD054214)	(61)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		167,838	156,562
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		60,368	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	ANN & ROBERT H. LURIE CHILDREN'S HOSPITAL OF CHICAGO	R01HD102428	79,440,978	11,051,396
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	7000000309	11,443	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	BOSTON MEDICAL CENTER CORPORATION	Sub 6702-UCSD-0551 (HD096798)	(747)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CASE WESTERN RESERVE UNIVERSITY	RE5516081	29,694	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0002019957	16,756	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	COVID-19	PASS THROUGH	CHAPMAN UNIVERSITY	500480-SUB1	1,885	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	000013556-C	6,924	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	000013763-B	10,466	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	000014206-A	206,861	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	000014206-B	30,041	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	A126879	132,170	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	SUB 000013556-B (HD101641)	(93,123)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	Sub 000014111-D (HD105656)	21,041	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	314995	(1,860)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	GRT-00000762 / PO# 202411	35,472	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	R01HD101528	40,996	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	012263	42,952	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER	012273	393,334	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER	R33 HD100934	45,197	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER	R61HD100934	150,439	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	COLORADO STATE UNIVERSITY	R01HD099150	49,315	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	R01AI136976-04	174,823	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH			18,203	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	212826-9	10	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	215518-10	(7,952)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	215518-5	120,473	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	223953-2	76,374	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	DREXEL UNIVERSITY	P50HD11142	19,941	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	DUKE UNIVERSITY	A031513	183,079	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	COVID-19	PASS THROUGH	DUKE UNIVERSITY	A03-1915	124,928	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	COVID-19	PASS THROUGH	DUKE UNIVERSITY	A03-2101	2,950	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	EMORY UNIVERSITY	SUB A481093 (HD102534)	175,810	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	COVID-19	PASS THROUGH	FLINT REHABILITATION DEVICES	211059	30,714	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	FLINT REHABILITATION DEVICES	FRD-219010	59,573	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	FLORIDA INTERNATIONAL UNIVERSITY	AWD000003000 (138377-2):3	4,629	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	FLORIDA STATE UNIVERSITY	R000002917	48,520	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	FLORIDA STATE UNIVERSITY	R000003135	4,775	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	FLORIDA STATE UNIVERSITY	R000003169	29,276	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	FLORIDA STATE UNIVERSITY	SUB R000002676 (HD089875)	3,140	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	FLORIDA STATE UNIVERSITY	Sub R000002894 (HD089875)	361	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	GEORGIA INSTITUTE OF TECHNOLOGY	AWD-101651-G2	(99,277)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD PILGRIM HEALTH CARE	AH000583	(181)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	114205-1679-5096789	12,729	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	117267-0128-5120011 (HD103133)	88,120	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	117267-0330-5120013 (HD103133)	59,485	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	117267-0379-5119267	38,480	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	5U19AI166059-02	75,189	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	Sub 114205-1130-5096798 SMARTT	11,572	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	Sub 114205-1528-5096796 AMP	1,206	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	SU800003408	8,186	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	Sub 117267-0130-5120013	43,408	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	sub-117267-0109-5115585-P01	66,543	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	Sub 117267-0130-5120013	134,284	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	Sub 117267-0328-5120011	52,542	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	SUB 117267-0390-5126165	395	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HEALTH RESEARCH, INC.	R01HD109750	9,428	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	HENRY FORD HEALTH SYSTEM	A127022	(1)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-H061-4609	20,044	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	9551-UCSF	8,097	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2004679602	16,587	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005334978	39,168	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005457308 (HD106582)	18,698	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005796991	55,053	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	R01HD095128	263,943	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	RNG210150-UCD	77,713	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	KAISER PERMANENTE CENTER FOR HEALTH RESEARCH	A21-1635	15,709	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	2700-023	189,839	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	RNG209743-UCSF-03	120,936	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	RNG210150-UCSF	73,903	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	LUNDQUIST INSTITUTE FOR BIOMEDICAL INNOVATION AT HARBOR-UCLA	012314	30,000	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	LUNDQUIST INSTITUTE FOR BIOMEDICAL INNOVATION AT HARBOR-UCLA	20220124	(45,825)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	THE-307400/PO #69244746	20,643	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	MELIOLABS, INC.	1R41HD107895-01	55,869	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	MICHIGAN STATE UNIVERSITY	R01HD102319	149,685	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	MICHIGAN STATE UNIVERSITY	RC114510UC	25,730	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NATIONAL OPINION RESEARCH CENTER	3629-UCLA	4,694	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NATIONAL PARKINSON FOUNDATION INC.	PF-5624587	3,933	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NATIONWIDE CHILDREN'S HOSPITAL	3002425-05	7,412	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NATIONWIDE CHILDREN'S HOSPITAL	700171-0721-00	(14,894)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NATIONWIDE CHILDREN'S HOSPITAL	700196-0421-00	15,158	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NATIONWIDE CHILDREN'S HOSPITAL	CON-80003880(GR117207)	30,980	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NEMOURS FOUNDATION	Sub RSUB1223503 (HD102967)	14,619	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	011676	51	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	20-A1-00-1002855	121	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	R01HD102528	28,548	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60047828 UC Voloshina	96,175	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60047828 UCLA	96,138	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	COVID-19	PASS THROUGH	NORTHWESTERN UNIVERSITY	60047828UCI	6,554	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60054325 UCSF	457,347	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NYU LANGONE HEALTH SYSTEM	20-A1-00-1002855	6,338	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	OKLAHOMA MEDICAL RESEARCH FOUNDATION	R21HD103562	9,982	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	OKLAHOMA STATE UNIVERSITY	1-571918-UCSF	3,838	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	ONEGEVITY HEALTH, LLC	Sub 20202373 (HD103568)	(28)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	013005	17,624	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	1013129_UCLA	126,357	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	5R01HD080459-08	258,166	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	R24HD085927	17,367	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	RADY CHILDREN'S HOSPITAL-SAN DIEGO	1082-1002643-SB3	20,455	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	RADY CHILDREN'S HOSPITAL-SAN DIEGO	Sub 1081-1002643 AWD-SA1	97,479	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	20163942	6,243	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	4-312-0214493-66689L	224	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	Sub SA00000592 (HD088688)	(84,290)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	SEATTLE CHILDREN'S HOSPITAL	11625SUB	3,195	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	SHARP HEALTHCARE	A22-2415	1,807	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	SHARP HEALTHCARE FOUNDATION	RO1HD096023	196	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	COVID-19	PASS THROUGH	SHARP MARY BIRCH HOSPITAL FOR WOMEN AND NEWBORNS	RO12021 UCI	157	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	61704698-122525	109,609	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62664648-179224	60,341	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62709959-137090	27,116	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62716018-194562	548,697	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62763249-177568	71,338	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	63042037-247133(DK133995)	53,939	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	STORX TECHNOLOGIES, INC.	A21-1410	16,081	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE BROAD INSTITUTE, INC.	Sub 5000765-5500001515 (1R0 )	596,432	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	GENED0000172359	1,043	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	GENFD00001754389	308	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	GENFD00002078935	42,553	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	231263	6,979	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	234643	(518)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	Sub 230910 (HD06825)	(1,326)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	RO1HD102252	(347,085)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	RO1HD103494	(98,299)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA	RO1HD098179	659,797	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	000529934-SC001	48,775	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	Sub 000528920-SC001 (RO1HD1 )	14,176	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	TERANOVA, LLC	TNV 1012	189,305	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	TULANE UNIVERSITY OF LOUISIANA	Sub TUL-HSC-557538-19/20 (HD05)	977	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	TULANE UNIVERSITY OF LOUISIANA	TUL-HSC-557531-19/20	74	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF CINCINNATI	014666-00003	13,116	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO BOULDER	RHD086184A	40,773	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY21.156.001	202,131	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	SUB FY22.1176.001 (HD107700)	93,485	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF CONNECTICUT	KFS# 5652280	456,709	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF FLORIDA	A22-4200	787,000	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF GEORGIA	A20-0146	229,705	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF GEORGIA	SUB000002465	132,053	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF IOWA	S01936-01	289,078	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	107797-20394201	2,934	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	95537-20358201	10,523	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	Sub 115759-20514201 (HD107407)	33,913	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	C00079352-6	567,196	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	RO1HD085233	19,710	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	Sub SUBK00011706 (HD084633)	45,254	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00013063	14,400	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00019006	30,716	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	Sub P009801702 (HD109830)	3,775	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MISSOURI	CLA-300811	99,637	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MISSOURI	Sub C00079352-1 (HD000849)	9,848	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF MISSOURI SYSTEM	A21-0422	4,798	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	S109045	16,575	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5112245	8,642	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5116603	(1,000)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5117560	142	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5117865	(46,702)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5122030	50,948	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	5123162	(919)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	Sub HD089880	(86)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	UG3DA048388-03	63,550	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT GREENSBORO	Sub 21210208.1 (HD106391)	22,631	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	203344UCD	35,082	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	582891	20,877	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00002906 (135261-3)	104,903	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	6122-1052-00-A	2,835	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	87892310	(8,899)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	123005892	(4,675)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-00003448	54,033	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	sub SCON-00002372 (HD100821)	31,281	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub SCON-00003160 (HD105907)	5,254	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS AT ARLINGTON	R21HD107324	76,878	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS AT AUSTIN	UTAUS-SUB00000428AM2	32,813	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	220501	88,075	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	A128239	1,199	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	GMO220815 PO0000002748	589,536	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	10051369-05	6,104	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	10058860-10-UCSF	4,730	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	PL1HD105462	18,867	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF VIRGINIA	R01HD087413	10,541	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC1130	100,871	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC1167	31,009	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13039 (SR01HD096999-03)	57,397	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC9985	(7,775)	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000002071	2,473	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	1R01HD102207-01	55,527	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY	013316	24,999	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	WASHINGTON STATE UNIVERSITY	141156 SPC004934	275,670	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-22-0317	124,451	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	WEILL CORNELL MEDICINE - QATAR	Sub 215518-9 (HD000850)	14,152	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	WEILL MEDICAL COLLEGE OF CORNELL UNIVERSITY	224014-10	116,734	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	WEILL MEDICAL COLLEGE OF CORNELL UNIVERSITY	224014-15	90,991	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	WEILL MEDICAL COLLEGE OF CORNELL UNIVERSITY	224014-2	119,259	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	YALE UNIVERSITY	GR108746	7,937	
93.865	CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH		PASS THROUGH	NORTHSORE UNIVERSITY HEALTHSYSTEM RESEARCH INSTITUTE	EH17-256-S3	131,603	
93.866	AGING RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		4,781,060	2,273,583
93.866	AGING RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		271,744,768	46,720,744
93.866	AGING RESEARCH		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		477,236	
93.866	AGING RESEARCH		PASS THROUGH	AMERICAN FEDERATION FOR AGING RESEARCH (AFAR) INC.	19-CSTAR-UCSF	19,641	
93.866	AGING RESEARCH		PASS THROUGH	AMERICAN FEDERATION FOR AGING RESEARCH (AFAR) INC.	20-CSTARPILOT-UCSF	48,478	
93.866	AGING RESEARCH		PASS THROUGH	AMERICAN FEDERATION FOR AGING RESEARCH (AFAR) INC.	Sub 22-CSTAR-DEIA-UCSD (AG0)	6,658	
93.866	AGING RESEARCH		PASS THROUGH	AMERICAN SAMOA COMMUNITY CANCER COALITION	A140806	6,675	
93.866	AGING RESEARCH		PASS THROUGH	BANNER HEALTH	0435-06-102815	288,358	
93.866	AGING RESEARCH		PASS THROUGH	BANNER HEALTH	0435-06-185087	2,031	
93.866	AGING RESEARCH		PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	700001725	48,992	
93.866	AGING RESEARCH		PASS THROUGH	BETH ISRAEL DEACONESS MEDICAL CENTER	1576352	3,276	
93.866	AGING RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	013821	5,091	
93.866	AGING RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	4500003691	16,545	
93.866	AGING RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	4500004044	344,211	
93.866	AGING RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	A132294	7,233	
93.866	AGING RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	R01AG065359	44,876	
93.866	AGING RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	Sub 4500004471 (AG074591)	235,701	
93.866	AGING RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	T32HL069766-20	109,189	
93.866	AGING RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	U01MH115746-05	9,163	
93.866	AGING RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	U24MH100929-10	171,589	
93.866	AGING RESEARCH		PASS THROUGH	BRANDEIS UNIVERSITY	GR404367_UCB	30,623	
93.866	AGING RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	111014	51,147	
93.866	AGING RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	123216	19,682	
93.866	AGING RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	125298	148,252	
93.866	AGING RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	ESSA22-CMP-SO	122,270	
93.866	AGING RESEARCH		PASS THROUGH	BRIGHAM AND WOMEN'S HOSPITAL	Sub 121337 (AG063689)	170,721	

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.866	AGING RESEARCH		PASS THROUGH	BROWN UNIVERSITY	00001374	51,672	
93.866	AGING RESEARCH		PASS THROUGH	BROWN UNIVERSITY	00001388	39,010	
93.866	AGING RESEARCH		PASS THROUGH	BROWN UNIVERSITY	00002066	59,657	
93.866	AGING RESEARCH		PASS THROUGH	BROWN UNIVERSITY	U54AG063546	122,893	
93.866	AGING RESEARCH		PASS THROUGH	BUCK INSTITUTE FOR RESEARCH ON AGING	SA20026-UC	81,154	
93.866	AGING RESEARCH		PASS THROUGH	BUCK INSTITUTE FOR RESEARCH ON AGING	SA24041-UCB	34,137	
93.866	AGING RESEARCH		PASS THROUGH	BUCK INSTITUTE FOR RESEARCH ON AGING	SA45008-UCSF	5,005	
93.866	AGING RESEARCH		PASS THROUGH	BUTO CORPORATION	A22-2761	95,122	
93.866	AGING RESEARCH		PASS THROUGH	CALIFORNIA PACIFIC MEDICAL CENTER RESEARCH INSTITUTE	20204715	17,651	
93.866	AGING RESEARCH		PASS THROUGH	CALIFORNIA PACIFIC MEDICAL CENTER RESEARCH INSTITUTE	280201019-5236	1,027,810	
93.866	AGING RESEARCH		PASS THROUGH	CALIFORNIA PACIFIC MEDICAL CENTER RESEARCH INSTITUTE	280201024-5279	221,163	
93.866	AGING RESEARCH		PASS THROUGH	CALIFORNIA PACIFIC MEDICAL CENTER RESEARCH INSTITUTE	U19AG023122	168,398	
93.866	AGING RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0001756415	(2,485)	
93.866	AGING RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	sub 1757547 (AG065141)	38,889	
93.866	AGING RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	Sub 1758255 (AG065141)	159,126	
93.866	AGING RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	sub 1760792 (AG065141)	283,854	45,797
93.866	AGING RESEARCH		PASS THROUGH	CHAPMAN UNIVERSITY	2018-UCSB-AG054442	44,688	
93.866	AGING RESEARCH		PASS THROUGH	CHAPMAN UNIVERSITY	500690-Sub1	25,973	
93.866	AGING RESEARCH		PASS THROUGH	CHAPMAN UNIVERSITY	500786-UCSB	96,512	
93.866	AGING RESEARCH		PASS THROUGH	CLEVELAND CLINIC LERNER COLLEGE OF MEDICINE	CCF22176817	69,458	
93.866	AGING RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG013379)	43,380	
93.866	AGING RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG017202-01)	421,088	
93.866	AGING RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG017279-01)	4,029	
93.866	AGING RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	10(GG012955-06)	151,001	
93.866	AGING RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	11(GG013437-01)	119	
93.866	AGING RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	2(GG010471-12)	(12,091)	
93.866	AGING RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	2(GG017568-01)	142,877	
93.866	AGING RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	7(GG015353)	84,755	
93.866	AGING RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	GG015822-07	68,966	
93.866	AGING RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	Sub 1(GG017618-01) (AG069750)	99,833	
93.866	AGING RESEARCH		PASS THROUGH	COLUMBIA UNIVERSITY	Sub 3(GG017519-01) AG071024	137,614	
93.866	AGING RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	202900	106,433	
93.866	AGING RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	211791	214,793	
93.866	AGING RESEARCH		PASS THROUGH	CYTONUS THERAPEUTICS, INC.	Subaward 30052196(R41CA257020)	111,983	
93.866	AGING RESEARCH		PASS THROUGH	DREXEL UNIVERSITY	900142	45,962	
93.866	AGING RESEARCH		PASS THROUGH	DREXEL UNIVERSITY	R01AG061116	161,231	
93.866	AGING RESEARCH		PASS THROUGH	DUKE UNIVERSITY	303001207	29,096	
93.866	AGING RESEARCH		PASS THROUGH	DUKE UNIVERSITY	303001221	15,273	
93.866	AGING RESEARCH		PASS THROUGH	DUKE UNIVERSITY	5U19AG063744	3,718	
93.866	AGING RESEARCH		PASS THROUGH	DUKE UNIVERSITY	A032881	145,419	
93.866	AGING RESEARCH		PASS THROUGH	DUKE UNIVERSITY	A23-2834	65,152	
93.866	AGING RESEARCH		PASS THROUGH	DUKE UNIVERSITY	GEND0002112405-2	75,903	
93.866	AGING RESEARCH		PASS THROUGH	DUKE UNIVERSITY	SUB (303001605) 9AG063744-0451	90,520	
93.866	AGING RESEARCH		PASS THROUGH	DUKE UNIVERSITY	SUB 303000088 (AG063744)	12,276	
93.866	AGING RESEARCH		PASS THROUGH	DUKE UNIVERSITY	Sub A032692 (AG063744)	394,578	
93.866	AGING RESEARCH		PASS THROUGH	DUKE UNIVERSITY	Sub A033956 (AG063744)	15,656	
93.866	AGING RESEARCH		PASS THROUGH	DUKE UNIVERSITY	Sub A033972 (AG063744)	457,036	
93.866	AGING RESEARCH		PASS THROUGH	ELIMU INFORMATICS, INC.	Sub 37 (AG058357)	(581)	
93.866	AGING RESEARCH		PASS THROUGH	EMORY UNIVERSITY	010866	11,825	
93.866	AGING RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A229530	50,152	
93.866	AGING RESEARCH		PASS THROUGH	EMORY UNIVERSITY	A246684	13,311	
93.866	AGING RESEARCH		PASS THROUGH	EMORY UNIVERSITY	R01DK112939	76,611	
93.866	AGING RESEARCH		PASS THROUGH	FLORIDA STATE UNIVERSITY	R00002690	378,309	
93.866	AGING RESEARCH		PASS THROUGH	FRED HUTCHINSON CANCER CENTER	Sub 0000940803 (AG048209)	(3,032)	
93.866	AGING RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	Advanced Spending	240,191	
93.866	AGING RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	R01AG073474	4,694	
93.866	AGING RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	S-DPA2223-LM16	3,688	
93.866	AGING RESEARCH		PASS THROUGH	GEORGE WASHINGTON UNIVERSITY	SUB S-DPE2223-JC28 (AG078558)	30,774	
93.866	AGING RESEARCH		PASS THROUGH	GEORGETOWN UNIVERSITY	424369_GR424282-UCLA	41,745	
93.866	AGING RESEARCH		PASS THROUGH	GEORGETOWN UNIVERSITY	425400_GR425289_UCLA	14,050	
93.866	AGING RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	A130386	(59,096)	
93.866	AGING RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SC-00022	144,461	
93.866	AGING RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SC-00035	16,198	
93.866	AGING RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SC-00037	317,684	
93.866	AGING RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SC-00066	25,734	

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.866	AGING RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SC-00070	91,452	
93.866	AGING RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SC-00071	327,452	
93.866	AGING RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SC-00078	201,875	
93.866	AGING RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SC-00080	132,172	
93.866	AGING RESEARCH		PASS THROUGH	GLADSTONE INSTITUTES	SUB SC-00004 (AG064926)	141,593	
93.866	AGING RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	100887-5119932	53,037	
93.866	AGING RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	100887-5119936	26,535	
93.866	AGING RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	116360-5100251-Project 1	(30)	
93.866	AGING RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	116362-5111695	68,227	
93.866	AGING RESEARCH		PASS THROUGH	HARVARD UNIVERSITY	150851.5121119.0003	7,317	
93.866	AGING RESEARCH		PASS THROUGH	HEBREW SENIORLIFE INC.	90110	44,234	
93.866	AGING RESEARCH		PASS THROUGH	HEBREW UNIVERSITY OF JERUSALEM	3013004523	538,334	
93.866	AGING RESEARCH		PASS THROUGH	HUNTINGTON MEDICAL RESEARCH INSTITUTES	27800-21-001	78,196	
93.866	AGING RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-0044-4609	138,484	
93.866	AGING RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-8454-4609	82,702	
93.866	AGING RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	0255-E661-4609	171,528	
93.866	AGING RESEARCH		PASS THROUGH	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	SUB 0255-C701-4609 (AG055824)	9,213	
93.866	AGING RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	7863-UCSF	191,707	
93.866	AGING RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	8212_UCSF	301,364	
93.866	AGING RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	9579-UCSF	5,408	
93.866	AGING RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	GENFD0002244949:1	120,726	
93.866	AGING RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	IN4683237UCSF	452,692	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	INSTITUTE FOR MOLECULAR MEDICINE, INC. (CALIFORNIA)	4001-UCI-DHC-2018	129,797	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	INSTITUTE FOR MOLECULAR MEDICINE, INC. (CALIFORNIA)	4001-UCI-MBJ-2018	141,168	
93.866	AGING RESEARCH		PASS THROUGH	INSTITUTE FOR MOLECULAR MEDICINE, INC. (CALIFORNIA)	4008-UCI-DC-2020	21,916	
93.866	AGING RESEARCH		PASS THROUGH	INSTITUTE FOR MOLECULAR MEDICINE, INC. (CALIFORNIA)	8370-4015-UCI	50,919	
93.866	AGING RESEARCH		PASS THROUGH	INSTITUTE OF COGNITIVE AND TRANSLATIONAL NEUROSCIENCE	1002	(220)	
93.866	AGING RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	013601	7,069	
93.866	AGING RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2004171429	338,821	
93.866	AGING RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	U01AG060908-05	572	
93.866	AGING RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	RF1AG069259	36,695	
93.866	AGING RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	RNG210856-USCF-01	627,564	
93.866	AGING RESEARCH		PASS THROUGH	KAISER FOUNDATION RESEARCH INSTITUTION	RNG211971-USCF	93,710	
93.866	AGING RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	FY21.206.001:3	34,778	
93.866	AGING RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	RNG210270-USCF	19,400	
93.866	AGING RESEARCH		PASS THROUGH	KAISER PERMANENTE DIVISION OF RESEARCH	Sub RNG212175-USCD (AG077969)	27,677	
93.866	AGING RESEARCH		PASS THROUGH	KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE	012528	305,376	
93.866	AGING RESEARCH		PASS THROUGH	KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE	RNG210789-USCF/2022884023	164,194	
93.866	AGING RESEARCH		PASS THROUGH	KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE	RNG210976-USCF	409,737	
93.866	AGING RESEARCH		PASS THROUGH	KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE	RNG211395-USCD (AG066567)	78,577	
93.866	AGING RESEARCH		PASS THROUGH	KAISER PERMANENTE WASHINGTON HEALTH RESEARCH INSTITUTE	RNG211397-USCD (AG066567)	16,363	
93.866	AGING RESEARCH		PASS THROUGH	KARAMEDICA, INC.	SUB NONE (AG066567)	16,389	
93.866	AGING RESEARCH		PASS THROUGH	KECK MEDICAL CENTER OF USC	2R44AG059478-03	62,520	
93.866	AGING RESEARCH		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	SCON-00003721	49,833	
93.866	AGING RESEARCH		PASS THROUGH	LOMA LINDA UNIVERSITY	A21-0860-001	2,984	
93.866	AGING RESEARCH		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2190077	29,485	
93.866	AGING RESEARCH		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	SUB S5165 - PO (AG069192)	6,524	
93.866	AGING RESEARCH		PASS THROUGH	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	Sub S5801 (AG077227)	87,591	
93.866	AGING RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	CIS-263134	388,869	
93.866	AGING RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	CSF-294646	969,988	
93.866	AGING RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	DE-FC02-02ER63421:0026	99,516	
93.866	AGING RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	DE-SC0019152:0004	469,139	
93.866	AGING RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	FOR-263134	2,378,689	
93.866	AGING RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	NAT-287594-01/PO #69230960	43,443	
93.866	AGING RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	RO1DE026758-06	32,464	
93.866	AGING RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	RF1AG076122	16,543	
93.866	AGING RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	SUB SAN-263134 (AG063911)	114,524	
93.866	AGING RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	SUB SAN-263134/PO #67115777	242,188	
93.866	AGING RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	UCI-284424	126,162	
93.866	AGING RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	UOC-277060-01	292,036	
93.866	AGING RESEARCH		PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	VER-263134-02	12,132	
93.866	AGING RESEARCH		PASS THROUGH	MEMORYWELL INC.	A138664	95,536	
93.866	AGING RESEARCH		PASS THROUGH	NATIONAL BUREAU OF ECONOMIC RESEARCH, INC.	41910.UCLA	18,743	
93.866	AGING RESEARCH		PASS THROUGH	NATIONAL BUREAU OF ECONOMIC RESEARCH, INC.	SUB 41910.USCD (AG070806)	(6,766)	
93.866	AGING RESEARCH		PASS THROUGH	NORTHEASTERN UNIVERSITY	500899-78050	2,115	

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93.866	AGING RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60047861UCSF	(71,118)	
93.866	AGING RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60050621 UCSF	212,602	
93.866	AGING RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	6005307 UCLA	18,323	
93.866	AGING RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60054634 UCLA	62,171	
93.866	AGING RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60057573UCSF	28,140	
93.866	AGING RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	60060219 UCLA	82,718	
93.866	AGING RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	Sub 60048330 UCSD (AG057441)	(165)	
93.866	AGING RESEARCH		PASS THROUGH	NORTHWESTERN UNIVERSITY	SUB 60051680 UCSD (AG060426)	148,745	
93.866	AGING RESEARCH		PASS THROUGH	NOVORON BIOSCIENCE, INC.	003	119,592	34,667
93.866	AGING RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	GR123782	17,717	
93.866	AGING RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	GR127025	55,404	
93.866	AGING RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	Sub 60051415(AG050725)	1,063	
93.866	AGING RESEARCH		PASS THROUGH	PALO ALTO VETERANS INSTITUTE FOR RESEARCH, INC.	R01AG060726	140,637	
93.866	AGING RESEARCH		PASS THROUGH	PEKING UNIVERSITY	2021001	25,219	
93.866	AGING RESEARCH		PASS THROUGH	PENNINGTON BIOMEDICAL RESEARCH CENTER	PB210020-AG073204-UCB-01	8,935	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	5812-UCI-UWM-K562	4,221	
93.866	AGING RESEARCH		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	R21AG062931	7,240	
93.866	AGING RESEARCH		PASS THROUGH	PEOPLE DESIGNS, INC.	1R43AG076047-UCS01	74,188	
93.866	AGING RESEARCH		PASS THROUGH	PEOPLE DESIGNS, INC.	1R44AG074131-UCS01	77,159	
93.866	AGING RESEARCH		PASS THROUGH	PEOPLE POWER COMPANY	051829	751,171	
93.866	AGING RESEARCH		PASS THROUGH	PRAETEGO INC	SUB 30158786 (AG079696)	112,495	
93.866	AGING RESEARCH		PASS THROUGH	PROBIOME THERAPEUTICS, INC.	220040	105,835	
93.866	AGING RESEARCH		PASS THROUGH	RAND CORPORATION	SCON-000000326	7,332	
93.866	AGING RESEARCH		PASS THROUGH	RAND CORPORATION	SCON-000000504	63,507	
93.866	AGING RESEARCH		PASS THROUGH	REGENERATIVE RESEARCH FOUNDATION	5029-UCSF	141,569	
93.866	AGING RESEARCH		PASS THROUGH	RENSELAER POLYTECHNIC INSTITUTE	A21-0052-S001	9,478	
93.866	AGING RESEARCH		PASS THROUGH	RESEARCH FOUNDATION FOR MENTAL HYGIENE	152522	(25)	
93.866	AGING RESEARCH		PASS THROUGH	RUSH UNIVERSITY MEDICAL CENTER	20090204-Sub03	21,187	
93.866	AGING RESEARCH		PASS THROUGH	RUSH UNIVERSITY MEDICAL CENTER	A21-4249	213,762	
93.866	AGING RESEARCH		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	R01AG073627	78,379	
93.866	AGING RESEARCH		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	460	62,037	
93.866	AGING RESEARCH		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	2211	30,983	
93.866	AGING RESEARCH		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	A134969	1,059	
93.866	AGING RESEARCH		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	A19-0036-S003	183,687	
93.866	AGING RESEARCH		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	A22-0071-S002	172,444	
93.866	AGING RESEARCH		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	P0079660	432	
93.866	AGING RESEARCH		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	R01 AG066018 A20-0020-S002	835,255	
93.866	AGING RESEARCH		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	Sub A19-0036-S002-A01 (AG06440)	19,425	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	sub A21-0003-S001 (AG068635)	154,339	
93.866	AGING RESEARCH		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	Sub A21-0003-S004 (AG068635)	155,506	
93.866	AGING RESEARCH		PASS THROUGH	SALK INSTITUTE FOR BIOLOGICAL STUDIES	Sub A22-0071-S001 (AG076805)	5,723	
93.866	AGING RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	70032-13516-UCI	1,384	
93.866	AGING RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	70354-13498-UCSD (AG073084-01)	653,382	
93.866	AGING RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	70534-13587-USCB	275,736	
93.866	AGING RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	70534-13588-UCSD (AG071694)	319,567	
93.866	AGING RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	70648-13633-UCI	54,865	
93.866	AGING RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	Sub 20201587(AG065387)	66,177	
93.866	AGING RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	Sub 70427-13532(AG073965)	167,940	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	Sub 69990-13318-UCSD (AG071)	14,214	
93.866	AGING RESEARCH		PASS THROUGH	SANFORD BURNHAM PREBYS MEDICAL DISCOVERY INSTITUTE	Sub 69990-13317-UCSD ( AG07 )	79,089	
93.866	AGING RESEARCH		PASS THROUGH	SEATTLE INSTITUTE FOR BIOMEDICAL AND CLIN RESEARCH	Sub CD39-UCSD-1 (AG075338)	32,779	
93.866	AGING RESEARCH		PASS THROUGH	SRI INTERNATIONAL	PO35208	309,528	
93.866	AGING RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	61624544-4510	111,350	
93.866	AGING RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62716453-133224	31,961	
93.866	AGING RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	SUB: 61626841-127916 (AG057707)	5,951	
93.866	AGING RESEARCH		PASS THROUGH	STATE UNIVERSITY OF NEW YORK	Sub 1157497 - 86373 (AG0649550)	547,022	
93.866	AGING RESEARCH		PASS THROUGH	SUTTER BAY HOSPITALS	sub-280201024/S284-AG066671	40,644	
93.866	AGING RESEARCH		PASS THROUGH	SUTTER WEST BAY HOSPITALS	010412	281,398	
93.866	AGING RESEARCH		PASS THROUGH	SUTTER WEST BAY HOSPITALS	280201015-S216	133,415	
93.866	AGING RESEARCH		PASS THROUGH	SUTTER WEST BAY HOSPITALS	280201024-S287	(98)	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	SYRACUSE UNIVERSITY	32872-06364-S03	47,373	
93.866	AGING RESEARCH		PASS THROUGH	THE GAIA MEDICAL INSTITUTE LLC	SUB-30129013	26,761	
93.866	AGING RESEARCH		PASS THROUGH	THE GAIA MEDICAL INSTITUTE LLC	SUB-30129013 (R44 AG078044)	189,706	
93.866	AGING RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	235290	67,372	
93.866	AGING RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	239588	177,572	

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93.866	AGING RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	239631	43,230	
93.866	AGING RESEARCH		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	Sub 231823 (AG058256)	6,007	
93.866	AGING RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	Sub S-54811 (AG076745)	194,804	
93.866	AGING RESEARCH		PASS THROUGH	THE UNIVERSITY OF GEORGIA	SUB00002930	122,101	
93.866	AGING RESEARCH		PASS THROUGH	TERANOVA, LLC	R44AG058272	79,722	
93.866	AGING RESEARCH		PASS THROUGH	TOGETHER SENIOR HEALTH, INC.	Subaward TSH-MT-01	103,211	
93.866	AGING RESEARCH		PASS THROUGH	TOGETHER SENIOR HEALTH, INC.	TSH-RH22-BHT-01	108,636	
93.866	AGING RESEARCH		PASS THROUGH	TRANSLATIONAL GENOMICS RESEARCH INSTITUTE	A23-0447	30,410	
93.866	AGING RESEARCH		PASS THROUGH	TUFTS MEDICAL CENTER, INC.	5019742_SERV	(889)	
93.866	AGING RESEARCH		PASS THROUGH	TULANE UNIVERSITY OF LOUISIANA	TUL-HSC-559290-22/23	31,267	
93.866	AGING RESEARCH		PASS THROUGH	TULANE UNIVERSITY OF LOUISIANA	TUL-HSC-560715-22/23	11,231	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	2R01AG003376-36A1	417,087	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF ARIZONA	310311	(16,986)	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY18.792.002	2,920	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY19.572.002	167,006	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY22.572.001	72,189	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	Sub FY20.930.002(AG05913)	131,771	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	WU-23-0158	172,502	116,696
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF COLORADO SYSTEM	Sub 00001881 (R37AG033906)	44,182	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB00002698	104,081	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF FLORIDA	Sub S04050-01 (AG080472)	3,020	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF IOWA	R01AG069915	21,040	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, BALTIMORE	7R01DA042805-05R	183,872	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	Sub 20877 Request:3045 (048 )	37,128	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF MARYLAND, COLLEGE PARK	SU01EB026421-04	17,533	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	OSP27336-01	30,013	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	OSP32709-00	238	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	Sub 23-016677 N 00 (AG073107)	88,771	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF MIAMI	SUB 0500000674 (AG067568)	18,019	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	AWD000003000 (135310-5)	29,343	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00003638	17,371	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	U01AG017179	1,718	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	A006835803	28,632	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	P008759355	4,517	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF MINNESOTA	P009260953	69,693	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	S125893	126,315	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	S128021	51,161	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	R01AG061088	(10,594)	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH TEXAS	RF00105-2018-0317	60,384	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH TEXAS	SUB RF00110-2018-0022(AG058252)	162,307	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH TEXAS	Sub RF00197-2020-0349 (AG0 )	343,684	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE CENTER	RAWD0000066-SUB00142	5,827	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE CENTER	RAWD0000066-SUB00145	157,945	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	571660	(69,035)	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	579679	31,253	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	580820	579,533	39,039
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	Sub 20201585 (AG069130)	(389)	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PENNSYLVANIA	Sub 579015 (AG061173)	342,820	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	A23-0077-001	28,835	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD000002130 (138021-7)	3,643,186	72,175
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD000002130 (138520-11)	29,806	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD000003000 (138377-11)	24,534	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD000003547 (135875-2)	68,505	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD000003844 (135854-1)	36,586	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD000004643 (136650-4)	180,062	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD000004899 (137160-1)	102,345	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD000005610 (137480-2)	8,935	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	CNVA00050794 (128001-2)	61,872	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	PO65612:1	44,735	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	RO1NS078494-10	1,150,721	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	U19AG063720	818,523	587,726
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD000002169 (134323-2) (AG0 )	10,218	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF ROCHESTER	A21-0385	60,876	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF ROCHESTER	A21-0868	9,014	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF ROCHESTER	A22-0894-001	34,998	

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Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	6118-1082-00-C	8,612	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTH FLORIDA	6118-1099-00-A	119,514	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	87544370	66,689	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	105741448	156,961	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	109150990	2,887	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	117147219	(90)	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	117340131	61,348	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	107784754	110,183	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	010210	107,858	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	010298	83,249	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	105751256	150,385	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	105828736	(452)	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	106132015	14,437	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	120119676	232,545	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	120124677	194,713	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	125149718	18,391	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	129137033	34,783	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	129207761	16,281	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	131004311	149,218	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	136918461	42,677	25,000
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	137876613	213,346	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	137877037	13,769	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	138110694	74,346	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	138888987	20,872	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	75685631	168,126	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	79635074	186,073	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	79685690	8,017	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	80108370	(1,903)	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	B649282	102,037	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	R01AG063689	153,869	56,605
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-000002361	23	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-000003539	135,645	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-000003937	512,608	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-000004043	34,447	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-000004055	9,338	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SCON-000004565	22,604	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 107080396(AG055367)	411,059	20,894
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 109161761 (AG059329)	41,397	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 112743702 (AG060470)	53,896	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 120045183 (AG063689)	108,031	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub 79634313 (WEI2015-01)	3,061	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub SCON-00003260 (AG052350)	57,649	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	Sub SCON-00003869 (AG024968)	9,125	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	SUB# 120154248	4,894	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	U24AG057437	181,370	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF TENNESSEE HEALTH SCIENCE CENTER	22-0168-UCSF	11,309	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	SA0000466	51,300	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	Sub SA0000467 (AG063946)	48,188	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	U01AG070112	137,503	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	168723/168721	1,037	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	170682/170446	48,441	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO	R01AG054076	(6,092)	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER	PO	88,975	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF TEXAS SYSTEM	21-85575	206,047	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF TORONTO	6610100164	7,675	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF UTAH	10065083-01-UCLA	33,131	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF VERMONT	Sub 32667SUB53009(AG059451)	8,962	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	Sub UIWSC10150 (AG056711)	(2,165)	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	Sub UWSC12305 (AG056486)	8	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	Sub UWSC13000 (AG072122)	37,272	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	U24AG072122	25,945	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC10655	45,352	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC12997	34,265	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13001	101,187	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	SUB UWSC13762 (3U24AG072122 )	3,338	

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93.866	AGING RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000000275	9,044	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000001247	185,069	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	000001966	20,861	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000002277	316,531	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000002291	32,198	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000002365	34,623	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000002488	71,479	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000002836	47,689	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000002917	1,142	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000003205	22,205	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	00001245	142,245	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	011439	17,329	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	708K363	(31)	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	809K012	(29)	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	R01AG070883	79,835	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	RFA-MH-21-235	55,641	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	SUB 00000000038 (AG048218)	66	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	SUB 0000001246 (AG070883)	185,561	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	Sub 793K041 (AG057784)	159	
93.866	AGING RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	JPA Braun 325307 (AG065385)	5,192	
93.866	AGING RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA HAUGER 323479 (R01AG0653)	6,858	
93.866	AGING RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA RISSMAN 323477 (R01AG0653)	(30)	
93.866	AGING RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	VPA VALLEN 323314	90,568	
93.866	AGING RESEARCH		PASS THROUGH	VETERANS MEDICAL RESEARCH FOUNDATION OF SAN DIEGO	sub 102110001-327123 (AG08 )	6,930	
93.866	AGING RESEARCH		PASS THROUGH	WAKE FOREST UNIVERSITY	289-55811085033664-10000441385	42,700	
93.866	AGING RESEARCH	COVID-19	PASS THROUGH	WAKE FOREST UNIVERSITY	5U01NS117838-03	133,243	
93.866	AGING RESEARCH		PASS THROUGH	WAKE FOREST UNIVERSITY	80NSSC23K0035	356,794	
93.866	AGING RESEARCH		PASS THROUGH	WAKE FOREST UNIVERSITY	Sub 101720-554012 (AG054523)	224,184	
93.866	AGING RESEARCH		PASS THROUGH	WAKE FOREST UNIVERSITY HEALTH SCIENCES	1101-45116-11000000260	64,621	
93.866	AGING RESEARCH		PASS THROUGH	WAKE FOREST UNIVERSITY HEALTH SCIENCES	777-3364-1000001042	29,174	
93.866	AGING RESEARCH		PASS THROUGH	WAKE FOREST UNIVERSITY HEALTH SCIENCES	R01AG066910	127,017	
93.866	AGING RESEARCH		PASS THROUGH	WAKE FOREST UNIVERSITY HEALTH SCIENCES	R01AG075959	33,659	
93.866	AGING RESEARCH		PASS THROUGH	WASHINGTON STATE UNIVERSITY	R35AG071451	68,420	
93.866	AGING RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	013069	31,405	
93.866	AGING RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	R01AG059502-05	840,995	
93.866	AGING RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	R01CA220238-05	105,749	
93.866	AGING RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	R01GM134047-04	130,739	
93.866	AGING RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	SUB WU-19-281(AG053267)	54,248	
93.866	AGING RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	Sub WU-20-43 (AG059798)	482	
93.866	AGING RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-18-425-MOD-2	150	
93.866	AGING RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-21-110	(6,891)	
93.866	AGING RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-21-298-MOD-1	28,380	
93.866	AGING RESEARCH		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	WU-22-0070 (AG072694-01A1)	440,798	
93.866	AGING RESEARCH		PASS THROUGH	YALE UNIVERSITY	CON-80003692 (GR115853)	69,613	
93.866	AGING RESEARCH		PASS THROUGH	YALE UNIVERSITY	CON-80004243 (GR119550)	59,114	
93.866	AGING RESEARCH		PASS THROUGH	YESHIVA UNIVERSITY	WU-23-0358	72,185	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	2WE12990-19	176,351	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	A140816	105,098	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	A23-0119	201,793	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	R01AG034853	34,586	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	SHL2361-04	7,918	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	STE2196	66,944	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	sub SHL2361-01 (AG034853)	6,865	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	WEI2015-02	20,554	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	WEI2015-03	5,936	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	WEI2015-07	(21,090)	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	WEI2015-18	39,494	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	WEI2015-20	92,813	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	WEI2990-02	16,706	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	WEI2990-04	58,659	
93.866	AGING RESEARCH		PASS THROUGH	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH AND EDUCATION	WEI2990-08	330,566	
93.866	AGING RESEARCH		PASS THROUGH	RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK	010663	35,181	
93.866	AGING RESEARCH		PASS THROUGH	UNIVERSITY AT BUFFALO (A STATE UNIVERSITY OF NEW YORK CAMPUS)	Sub R1221945 (AG063659)	330,333	
93.867	VISION RESEARCH	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,265,916	
93.867	VISION RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		64,169,872	4,492,968

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93.867	VISION RESEARCH	COVID-19	PASS THROUGH	BAYLOR COLLEGE OF MEDICINE	7000000842	1,108,485	
93.867	VISION RESEARCH		PASS THROUGH	BOSTON UNIVERSITY	Sub 4500003692 (EY030727)	(8,610)	
93.867	VISION RESEARCH		PASS THROUGH	CALIFORNIA INSTITUTE OF TECHNOLOGY	SS20068	53,152	
93.867	VISION RESEARCH		PASS THROUGH	CEDARS-SINAI MEDICAL CENTER	0001449133	(7)	
93.867	VISION RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL MEDICAL CENTER OF CINCINNATI	OS00000362/309380	16,600	
93.867	VISION RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	A23-1130	185,240	
93.867	VISION RESEARCH		PASS THROUGH	CORNELL UNIVERSITY	R01NS104926	130,373	
93.867	VISION RESEARCH		PASS THROUGH	DOHENY EYE INSTITUTE	18242UCI	(4)	
93.867	VISION RESEARCH		PASS THROUGH	DUKE UNIVERSITY	303001470	139,077	
93.867	VISION RESEARCH		PASS THROUGH	DUKE UNIVERSITY	A034049	140,899	
93.867	VISION RESEARCH		PASS THROUGH	GEORGE MASON UNIVERSITY	E2048122	177,976	
93.867	VISION RESEARCH		PASS THROUGH	GEORGE MASON UNIVERSITY	R01EY029715	23,367	
93.867	VISION RESEARCH		PASS THROUGH	GREATER BALTIMORE MEDICAL CENTER	20194713	9,212	
93.867	VISION RESEARCH		PASS THROUGH	INDIANA UNIVERSITY	9282	275,183	
93.867	VISION RESEARCH		PASS THROUGH	JAEB CENTER FOR HEALTH RESEARCH, INC.	30072335	564	
93.867	VISION RESEARCH		PASS THROUGH	JAEB CENTER FOR HEALTH RESEARCH, INC.	051418	1,231	
93.867	VISION RESEARCH		PASS THROUGH	JAEB CENTER FOR HEALTH RESEARCH, INC.	201603120	(9,975)	
93.867	VISION RESEARCH		PASS THROUGH	JAEB CENTER FOR HEALTH RESEARCH, INC.	20203563	39,838	
93.867	VISION RESEARCH		PASS THROUGH	JAEB CENTER FOR HEALTH RESEARCH, INC.	20215114	5,007	
93.867	VISION RESEARCH		PASS THROUGH	JAEB CENTER FOR HEALTH RESEARCH, INC.	5U10 EY011751-20	2,351	
93.867	VISION RESEARCH		PASS THROUGH	JAEB CENTER FOR HEALTH RESEARCH, INC.	A22-3468	210	
93.867	VISION RESEARCH		PASS THROUGH	JAEB CENTER FOR HEALTH RESEARCH, INC.	AT522	41	
93.867	VISION RESEARCH		PASS THROUGH	JAEB CENTER FOR HEALTH RESEARCH, INC.	IXT7	1,701	
93.867	VISION RESEARCH		PASS THROUGH	JAEB CENTER FOR HEALTH RESEARCH, INC.	PEDIG_Master	1,725	
93.867	VISION RESEARCH		PASS THROUGH	JAEB CENTER FOR HEALTH RESEARCH, INC.	ROP3	7,107	
93.867	VISION RESEARCH		PASS THROUGH	JAEB CENTER FOR HEALTH RESEARCH, INC.	ROP4	19,469	
93.867	VISION RESEARCH		PASS THROUGH	JAEB CENTER FOR HEALTH RESEARCH, INC.	UG1EY014231	4,985	
93.867	VISION RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2003252076	32,002	
93.867	VISION RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2004415376	9,996	
93.867	VISION RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2004438024	66,934	
93.867	VISION RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005325649	38,724	
93.867	VISION RESEARCH		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	2005397037	355,533	
93.867	VISION RESEARCH		PASS THROUGH	M2-COR, INC.	222161	46,296	
93.867	VISION RESEARCH		PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	054472	23,094	
93.867	VISION RESEARCH		PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	1U24EY029891-04	393,788	
93.867	VISION RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	106171	825	
93.867	VISION RESEARCH		PASS THROUGH	NEW YORK UNIVERSITY	20174518	37,773	
93.867	VISION RESEARCH		PASS THROUGH	OHIO STATE UNIVERSITY	R01EY031098	234,719	
93.867	VISION RESEARCH		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	A19-0040	186,389	
93.867	VISION RESEARCH		PASS THROUGH	PENNSYLVANIA STATE UNIVERSITY	UCLAEY023533	(4,409)	
93.867	VISION RESEARCH		PASS THROUGH	PLEX PHARMACEUTICALS, INC.	A22-0872	65,030	
93.867	VISION RESEARCH		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	D8768-03 SA934 A0 5A810A 7804	22,842	
93.867	VISION RESEARCH		PASS THROUGH	SMITH-KETTLEWELL EYE RESEARCH INSTITUTE	6012401UCSF	118,292	
93.867	VISION RESEARCH		PASS THROUGH	SMITH-KETTLEWELL EYE RESEARCH INSTITUTE	6012601UCB	78,300	
93.867	VISION RESEARCH		PASS THROUGH	SMITH-KETTLEWELL EYE RESEARCH INSTITUTE	A18-0483	136,311	
93.867	VISION RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62884628-228056	195,904	
93.867	VISION RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	62893455-245349	305,724	
93.867	VISION RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	A23-0334-001	13,092	
93.867	VISION RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	A23-0335-001	13,092	
93.867	VISION RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	R01EY031972	168,101	
93.867	VISION RESEARCH		PASS THROUGH	STANFORD UNIVERSITY	UG1EY030417	29,666	
93.867	VISION RESEARCH		PASS THROUGH	STEVENS INSTITUTE OF TECHNOLOGY	R01EY029928	145,621	
93.867	VISION RESEARCH		PASS THROUGH	THE SCRIPPS RESEARCH INSTITUTE	5-27164	(2,584)	
93.867	VISION RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	012521	195,490	
93.867	VISION RESEARCH		PASS THROUGH	THE UNIVERSITY OF ALABAMA AT BIRMINGHAM	Sub 000512884 (EY026574)	(14,675)	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF CENTRAL FLORIDA	SUB 22206A02-02 (EY030104)	27,596	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF HOUSTON	R-23-0016	73,223	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	011056-9049	128,543	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK00013749 (1R25EY032739-01)	50,779	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF NEBRASKA MEDICAL CENTER	34-5270-2028-001	19,457	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF ROCHESTER	417376G / UR FAO GR510807	(574)	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF ROCHESTER	SUB00000165	84,806	
93.867	VISION RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	100574101	145,929	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	122275983	5,897	
93.867	VISION RESEARCH	COVID-19	PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	14378C-UCLA	22,122	

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93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	79508336	(301,793)	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF TENNESSEE HEALTH SCIENCE CENTER	Sub 21-0326-UCSD (EY021200)	94,738	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON	Sub 20-85068-01 (EY03105401)	90,339	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON	Sub 23-86246-01 (EY034376)	43,212	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF UTAH	10059308-01-UCSF	37,680	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF VIRGINIA	GB11029	62,887	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC13334	302,130	
93.867	VISION RESEARCH		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000001135	42,280	
93.867	VISION RESEARCH		PASS THROUGH	WAKE FOREST UNIVERSITY HEALTH SCIENCES	1576-45829-11000001091	104,583	
93.876	ANTIMICROBIAL RESISTANCE SURVEILLANCE IN RETAIL FOOD SPECIMENS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		359,101	
93.877	AUTISM COLLABORATION, ACCOUNTABILITY, RESEARCH, EDUCATION, AND SUPPORT		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		5,214,687	2,246,201
93.877	AUTISM COLLABORATION, ACCOUNTABILITY, RESEARCH, EDUCATION, AND SUPPORT		PASS THROUGH	DREXEL UNIVERSITY	900237	16,882	
93.877	AUTISM COLLABORATION, ACCOUNTABILITY, RESEARCH, EDUCATION, AND SUPPORT		PASS THROUGH	DREXEL UNIVERSITY	UCLA No. 2022-4913	26,563	
93.877	AUTISM COLLABORATION, ACCOUNTABILITY, RESEARCH, EDUCATION, AND SUPPORT		PASS THROUGH	ASSOCIATION OF UNIVERSITY CENTERS ON DISABILITIES	07-21-8840	(746)	
93.879	MEDICAL LIBRARY ASSISTANCE	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		35,420	
93.879	MEDICAL LIBRARY ASSISTANCE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		3,535,042	505,455
93.879	MEDICAL LIBRARY ASSISTANCE		PASS THROUGH	CHARLES R. DREW UNIVERSITY OF MEDICINE AND SCIENCE	16-17-LO-G0075000-UCLA	(26,047)	
93.879	MEDICAL LIBRARY ASSISTANCE		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG012264-01)	22,422	
93.879	MEDICAL LIBRARY ASSISTANCE		PASS THROUGH	COLUMBIA UNIVERSITY	A140860	5,457	
93.879	MEDICAL LIBRARY ASSISTANCE		PASS THROUGH	NEW YORK UNIVERSITY	20-A1-00-1003427	46,637	
93.879	MEDICAL LIBRARY ASSISTANCE		PASS THROUGH	NORTHWESTERN UNIVERSITY	SUB 60059874 UCSD (LM013523)	3,677	
93.879	MEDICAL LIBRARY ASSISTANCE		PASS THROUGH	STANFORD UNIVERSITY	62357550-138432	58,143	
93.879	MEDICAL LIBRARY ASSISTANCE		PASS THROUGH	UNIVERSITY OF WASHINGTON	Sub UWSC11481 (1R01LM013301-01)	188,524	
93.879	MEDICAL LIBRARY ASSISTANCE		PASS THROUGH	VANDERBILT UNIVERSITY	OSA00000056	39,925	
93.879	MEDICAL LIBRARY ASSISTANCE		PASS THROUGH	YALE UNIVERSITY	CR111621(CON-80002804)	26,574	
93.884	GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		748,982	
93.898	CANCER PREVENTION AND CONTROL PROGRAMS FOR STATE, TERRITORIAL AND TRIBAL ORGANIZATIONS		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	1810056	389	
93.910	FAMILY AND COMMUNITY VIOLENCE PREVENTION PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		409,367	
93.912	RURAL HEALTH CARE SERVICES OUTREACH, RURAL HEALTH NETWORK DEVELOPMENT AND SMALL HEALTH CARE PROVIDER QUALITY IMPROVEMENT		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		179,120	
93.918	GRANTS TO PROVIDE OUTPATIENT EARLY INTERVENTION SERVICES WITH RESPECT TO HIV DISEASE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		25,357	
93.928	SPECIAL PROJECTS OF NATIONAL SIGNIFICANCE		PASS THROUGH	AIDS UNITED	Sub 3031018-AU (HA42153)	239,127	
93.936	NATIONAL INSTITUTES OF HEALTH ACQUIRED IMMUNODEFICIENCY SYNDROME RESEARCH LOAN REPAYMENT PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		193,950	
93.936	NATIONAL INSTITUTES OF HEALTH ACQUIRED IMMUNODEFICIENCY SYNDROME RESEARCH LOAN REPAYMENT PROGRAM		PASS THROUGH	BOULDER NONLINEAR SYSTEMS, INC.	050859	18,487	
93.940	HIV PREVENTION ACTIVITIES HEALTH DEPARTMENT BASED		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	21-10800	444,017	100,000
93.945	ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,045,000	
93.958	BLOCK GRANTS FOR COMMUNITY MENTAL HEALTH SERVICES		PASS THROUGH	ALCOTT CENTER FOR MENTAL HEALTH SERVICES	01-2022	37,424	
93.959	BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE ABUSE		PASS THROUGH	SIERRA HEALTH FOUNDATION	sub CA19MAT117	2,388	
93.967	CDC'S COLLABORATION WITH ACADEMIA TO STRENGTHEN PUBLIC HEALTH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		246,039	52,838
93.968	FUNDING IN SUPPORT OF THE PENNSYLVANIA RURAL HEALTH MODEL		PASS THROUGH	SAN DIEGO STATE UNIVERSITY	Sub SA0000695 (HP28717)	322,004	
93.969	PPHF GERIATRIC EDUCATION CENTERS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		953,131	146,263
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		10,685,667	4,852,561
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	DUKE UNIVERSITY	303-001409	13,737	
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	DUKE UNIVERSITY	A03-2249	135,464	
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	EDUARDO MONDLANE UNIVERSITY	SUB C00012(TW011216)	25,453	
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	HELUNA HEALTH	0955.0101	28,759	
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	LOMA LINDA UNIVERSITY	2170175	(8,678)	
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	MAKERERE UNIVERSITY	MakCHS01/2022	34,552	
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	MAKERERE UNIVERSITY	MakCHS062017	(147)	
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	MAKERERE UNIVERSITY	MakCHS23/2019	19,315	
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	MUHIMBILI UNIVERSITY OF HEALTH AND ALLIED SCIENCES	1R25-04	15,463	
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	NORTHWESTERN UNIVERSITY	60049839 UNIVCSFO	9,371	

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93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	YALE UNIVERSITY	CON-80003661 (GR116424)	7,224	
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	YALE UNIVERSITY	CON-80003857(GR116385)	32,621	
93.989	INTERNATIONAL RESEARCH AND RESEARCH TRAINING		PASS THROUGH	YALE UNIVERSITY	GR102957 (CON-80001272)	33,998	
93.998	AUTISM AND OTHER DEVELOPMENTAL DISABILITIES, SURVEILLANCE, RESEARCH, AND PREVENTION		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)			
93.RD	FEDERAL CONTRACTS	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		980,766	141,578
93.RD	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		42,922	95,199
93.RD	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		10,592,179	1,402,603
93.RD	FEDERAL CONTRACTS		PASS THROUGH	ACCESS TO ADVANCED HEALTH INSTITUTE	75N93019C00059	208,908	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	ALLIANCE FOR CLINICAL TRIALS IN ONCOLOGY	Sub 20202533	49,611	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	ASSOCIATION OF AMERICAN MEDICAL COLLEGES	A22-1755	21,809	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	BECKMAN RESEARCH INSTITUTE OF THE CITY OF HOPE	62379.2007349.669309	143,155	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	BECKMAN RESEARCH INSTITUTE OF THE CITY OF HOPE	P000139095	370,434	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	BIOMIMETIX JV, LLC	Protocol 00062660	(1,950)	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	CHILD TRENDS, INCORPORATED	17273	38,528	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	000014932-A	77,879	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	CHILDREN'S HOSPITAL OF PHILADELPHIA	201702084	3,036	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	CITY OF SANTA ANA	A-2021-131-02	457,398	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	COLUMBIA UNIVERSITY	1(GG013668-01)	26,595	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	COLUMBIA UNIVERSITY	18(GG015997-01)	1,046	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	CONRAFECT CORPORATION	30135188	25,988	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	DUKE UNIVERSITY	303001366	42,616	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	DUKE UNIVERSITY	309000026	74,106	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	EPIGEN BIOSCIENCES, INC.	012523	5,518	
93.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	HENNEPIN HEALTHCARE RESEARCH INSTITUTE	75N94019C00006	38,935	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	IMS GOVERNMENT SOLUTIONS INC.	2017-IMS-SC-UCLA001	57,635	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	INTEGRATED RESEARCH ASSOCIATES, LLC	A23-1690	68,106	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1679414	4,420	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1679453	7,840	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1679539	5,420	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1680016	4,420	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1680044	4,420	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1680380	4,420	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1680385	7,840	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	JET PROPULSION LABORATORY	1685538	63,908	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	7200AA22CA00005	648,474	27,966
93.RD	FEDERAL CONTRACTS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	75P00120F37009	170,828	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	LDR 71	24,069	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	LA JOLLA INSTITUTE FOR IMMUNOLOGY	30029-03-103-367	42,916	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	A21-3431	17,365	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	LEIDOS BIOMEDICAL RESEARCH, INC.	16X114	41,724	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	LEIDOS BIOMEDICAL RESEARCH, INC.	22CTA-DM0004	371,104	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	LUNDQUIST INSTITUTE FOR BIOMEDICAL INNOVATION AT HARBOR-UCLA	HHSN2752013000241I	811,450	
93.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	MAYO CLINIC/MAYO FOUNDATION FOR MEDICAL EDUCATION & RESEARCH	A20-4501	8,496	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	A22-2386	241,265	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	MEDICAL COLLEGE OF WISCONSIN	A22-2387	249,225	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	MITRE CORPORATION, THE	139297	(23,585)	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL ECZEMA ASSOCIATION	NEA18-RG111	68	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	NET ESOLUTIONS CORPORATION	NETE_UCSF_NIAIDSEB	(2,005)	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	NEURANO BIOSCIENCE LLC	NB-220924	11,509	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	NORTHWESTERN UNIVERSITY	010555	66,517	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	NORTHWESTERN UNIVERSITY	012933	24,284	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	NORTHWESTERN UNIVERSITY	013628	330,653	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	NORTHWESTERN UNIVERSITY	013629	88,181	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	NORTHWESTERN UNIVERSITY	013822	147,901	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	NRG ONCOLOGY	20X100F-02-UCI	59,270	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	NVIGEN INC.	A20-2182	20,211	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	NYU LANGONE HEALTH SYSTEM	A136563	105,976	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	OPSICLEAR LLC	A22-1213	19,394	
93.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	PHARMACEUTICAL PRODUCT DEVELOPMENT, LLC	A21-3959	(2,536)	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	PHARMACEUTICAL PRODUCT DEVELOPMENT, LLC	A21-4142	(1,714)	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	POLYNVO BIOMATERIALS PTY. LTD.	A21-4310	106	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	PUBLIC HEALTH INSTITUTE	02627	210,098	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	RENDEV	SB220036	202,475	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	21-312-0217571-66106L	24,234	

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93.RD	FEDERAL CONTRACTS		PASS THROUGH	RESILIENCE GOVERNMENT SERVICES, INC.	23Sep2019-Stringer-UCSF-R	347,910	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	REVERAGEN BIOPHARMA, INC.	A18-2621	8,135	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	RICE UNIVERSITY	R23462	2,850	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	SWOG CANCER RESEARCH NETWORK	sub 30029327(NIH)	56,152	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	6NUJ38OT000288	4,913	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	THE CHILDREN'S HOSPITAL CORPORATION	R21GM142174-02	173,907	
93.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	238447	536,605	465,000
93.RD	FEDERAL CONTRACTS		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	239574	15,990	12,300
93.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	30065734_Adler	11,794	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	THERANOVA, LLC	R44HD102235	32,205	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	TRETHERA CORPORATION	20222662	69,573	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	TRISTAN TECHNOLOGIES	010503	(12,076)	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF ARIZONA	20215153	55,681	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF ARIZONA	306440	13,050	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF CHICAGO	75N92020D00018/75N92020F00001	72,655	
93.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	UNIVERSITY OF CHICAGO	AWD101462-R	43,360	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF CHICAGO	AWD101462-V	26,912	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF COLORADO DENVER	FY23.572.002	43,643	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB00003317	17,916	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF FLORIDA	SUB00003551	782,854	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF GEORGIA	Grant ID: 3200880522/PO# 20416465:6	597,355	
93.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	UNIVERSITY OF GEORGIA	SUB00002154	195,898	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF IDAHO	R01AI131609	26,898	
93.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	UNIVERSITY OF MINNESOTA	P008936301	28,988	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF MISSISSIPPI	SP14257-SB07	37,605	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF NORTH TEXAS	RF00250-2022-0038	380,660	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE CENTER	RF00280-SUB00229	4,628	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF PITTSBURGH	A22-3280	18,084	13,379
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00002944-1	74,002	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF ROCHESTER	417207	1,550	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTH CAROLINA	22-4658 PO#2000061727	24,204	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF SOUTHERN CALIFORNIA	132441900	17,736	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF WASHINGTON	20213497	106,551	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF WASHINGTON	75N92021D00006/TO#75N92021F00001	47,777	
93.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC12374	498,130	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC12375	608,308	
93.RD	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	UNIVERSITY OF WASHINGTON	UWSC7731/ BPO32897	(1,916)	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000001006	25,016	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	VITALANT	11736UCSFCHO142	347,853	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	VITALANT	11737UCSFCHO160	73,409	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	WASHINGTON UNIVERSITY IN ST. LOUIS	5U01TR002764-03	79,028	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	WESTAT	20221488-06	71,301	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	ZYMERON CORPORATION	30068496	(11,075)	
94.006	AMERICORPS		DIRECT	CORPORATION FOR NATIONAL AND COMMUNITY SERVICE (CNCS)		2,159,226	
94.026	NATIONAL SERVICE AND CIVIC ENGAGEMENT RESEARCH COMPETITION		DIRECT	CORPORATION FOR NATIONAL AND COMMUNITY SERVICE (CNCS)		89,082	9,399
95.RD	FEDERAL CONTRACTS		DIRECT	EXECUTIVE OFFICE OF THE PRESIDENT		(409)	
96.007	SOCIAL SECURITY RESEARCH AND DEMONSTRATION		PASS THROUGH	UNIVERSITY OF MICHIGAN	SUBK000016511	1,961	
96.007	SOCIAL SECURITY RESEARCH AND DEMONSTRATION		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	0000002576	19,507	
97.005	STATE AND LOCAL HOMELAND SECURITY NATIONAL TRAINING PROGRAM		PASS THROUGH	THE CENTER FOR RURAL DEVELOPMENT	EMW-2018-CA-00075	42,500	
97.012	BOATING SAFETY FINANCIAL ASSISTANCE		PASS THROUGH	CALIFORNIA DIVISION OF BOATING AND WATERWAYS	C8964310	(901)	
97.012	BOATING SAFETY FINANCIAL ASSISTANCE		PASS THROUGH	CALIFORNIA DIVISION OF BOATING AND WATERWAYS	C8965327	7,258	
97.012	BOATING SAFETY FINANCIAL ASSISTANCE		PASS THROUGH	CALIFORNIA DIVISION OF BOATING AND WATERWAYS	C8966307	13,020	
97.012	BOATING SAFETY FINANCIAL ASSISTANCE		PASS THROUGH	CALIFORNIA DIVISION OF BOATING AND WATERWAYS	C8967336	120	
97.030	COMMUNITY DISASTER LOANS		PASS THROUGH	CALIFORNIA MENTAL HEALTH SERVICES AUTHORITY	700-FEMA-2021-UCLA	53,952	
97.044	ASSISTANCE TO FIREFIGHTERS GRANT	COVID-19	DIRECT	DEPARTMENT OF HOMELAND SECURITY (DHS)		184,714	37,520
97.044	ASSISTANCE TO FIREFIGHTERS GRANT		PASS THROUGH	NORTHEASTERN UNIVERSITY	505166-78052	(37,265)	
97.061	CENTERS FOR HOMELAND SECURITY		PASS THROUGH	GEORGE MASON UNIVERSITY	E2055811	(117)	
97.061	CENTERS FOR HOMELAND SECURITY		PASS THROUGH	GEORGE MASON UNIVERSITY	E2059731	137,545	
97.061	CENTERS FOR HOMELAND SECURITY		PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	CBTS 0403-01	82,180	45,444
97.077	HOMELAND SECURITY RESEARCH, DEVELOPMENT, TESTING, EVALUATION, AND DEMONSTRATION OF TECHNOLOGIES RELATED TO NUCLEAR THREAT DETECTION		DIRECT	DEPARTMENT OF HOMELAND SECURITY (DHS)		460,784	123,648
97.394	CANCER DETECTION AND DIAGNOSIS RESEARCH		DIRECT	DEPARTMENT OF HOMELAND SECURITY (DHS)		324,912	

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97.RD	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF HOMELAND SECURITY (DHS)		252,580	99,750
97.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2334829	27,542	
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	COVID-19	DIRECT	U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT (USAID)		3,881,441	1,225,797
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS		DIRECT	U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT (USAID)		3,583,113	402,726
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS		PASS THROUGH	AMERICAN CENTER FOR INTERNATIONAL LABOR SOLIDARITY	20221936:1	56,402	19,000
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS		PASS THROUGH	AMERICAN UNIVERSITY IN CAIRO	A19-0607-001	218,030	
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS		PASS THROUGH	GEORGETOWN UNIVERSITY	AID-OAA-A-15-00042	30,838	
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS		PASS THROUGH	INNOVATIONS FOR POVERTY ACTION	USA-19-10002-X1	33,541	
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS		PASS THROUGH	MICHIGAN STATE UNIVERSITY	011520	230,044	125,000
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS		PASS THROUGH	NATIONAL ACADEMY OF SCIENCES	AID-263-A-15-00002	51,716	
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS		PASS THROUGH	PARTNERS IN HOPE (MALAWI)	72061221CA00010	952,532	
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS		PASS THROUGH	TUFTS UNIVERSITY	AI9014	135,272	
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	COVID-19	PASS THROUGH	UCP WHEELS FOR HUMANITY	WFH-2018-063-UKRTEAM	(159)	
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS		PASS THROUGH	UNIVERSITY OF NOTRE DAME DU LAC	202809UCB	100,134	
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	COVID-19	PASS THROUGH	UNIVERSITY RESEARCH CO., LLC	FY17-A02-6024	166,098	
98.006	FOREIGN ASSISTANCE TO AMERICAN SCHOOLS AND HOSPITALS ABROAD (ASHA)		DIRECT	U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT (USAID)		220,740	160,839
98.011	GLOBAL DEVELOPMENT ALLIANCE		PASS THROUGH	NATIONAL ACADEMY OF SCIENCES	2000008303	(2,628)	
98.012	USAID DEVELOPMENT PARTNERSHIPS FOR UNIVERSITY COOPERATION AND DEVELOPMENT		PASS THROUGH	CONCERN FOUNDATION	A20-0776-001	30,149	
98.RD	FEDERAL CONTRACTS		DIRECT	U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT (USAID)		4,260,475	2,600,027
98.RD	FEDERAL CONTRACTS		PASS THROUGH	ASTRAEA NATIONAL LESBIAN ACTION FOUNDATION	20201959	30,907	
98.RD	FEDERAL CONTRACTS		PASS THROUGH	BOSTON UNIVERSITY	4500004035	19,096	
98.RD	FEDERAL CONTRACTS		PASS THROUGH	CHEMONICS INTERNATIONAL, INC.	PO-HO-001	31,440	
98.RD	FEDERAL CONTRACTS		PASS THROUGH	DAI GLOBAL LLC	2022026	60,006	
98.RD	FEDERAL CONTRACTS		PASS THROUGH	JSI RESEARCH AND TRAINING INSTITUTE, INC.	UCD-UAN-1	285,751	
98.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL ACADEMY OF SCIENCES	2000007151	3	
98.RD	FEDERAL CONTRACTS		PASS THROUGH	NEVADA SYSTEM OF HIGHER EDUCATION	UNR-17-70	3,922	
98.RD	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF GEORGIA	SUB00002076	127,784	38,211
98.RD	FEDERAL CONTRACTS		PASS THROUGH	YOUTH DEVELOPMENT LABS INC	056465	66,716	
99.RD	FEDERAL CONTRACTS		PASS THROUGH	MINNEAPOLIS CHALLENGE CORPORATION	95332421C0044	1,718,904	1,031,283
<b>RESEARCH AND DEVELOPMENT CLUSTER TOTAL</b>						<b>\$ 4,729,381,719</b>	<b>\$ 581,719,764</b>

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<b>STUDENT FINANCIAL ASSISTANCE CLUSTER</b>							
84.007	FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITIES GRANT		DIRECT	DEPARTMENT OF EDUCATION (ED)		\$ 15,869,990	
84.033	FEDERAL WORK-STUDY PROGRAM		DIRECT	DEPARTMENT OF EDUCATION (ED)		16,544,657	
84.038	FEDERAL PERKINS LOAN PROGRAM BEGINNING BALANCE		DIRECT	DEPARTMENT OF EDUCATION (ED)		81,675,024	
84.063	FEDERAL PELL GRANTS		DIRECT	DEPARTMENT OF EDUCATION (ED)		452,778,160	
84.268	FEDERAL DIRECT STUDENT LOAN PROGRAM		DIRECT	DEPARTMENT OF EDUCATION (ED)		1,055,458,379	
84.379	TEACHER EDUCATION ASSISTANCE FOR COLLEGE AND HIGHER EDUCATION GRANTS (TEACH GRANTS)		DIRECT	DEPARTMENT OF EDUCATION (ED)		117,697	
93.342	STUDENTS/PRIMARY CARE LOAN BEG BAL HLTH PROFESSIONS STUDENT LOANS/LOANS FOR DISADVANTAGED		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		67,929,444	
93.342	STUDENTS/PRIMARY CARE-NEW LOAN		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		21,063,661	
93.364	ARRA-NURSING FACULTY LOAN PROGRAM BEGINNING BALANCE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		396,175	
93.364	ARRA-NURSING FACULTY LOAN PROGRAM NEW LOAN		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		35,500	
93.364	NURSING STUDENT LOAN PROGRAM BEGINNING BALANCE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,864,051	
93.364	NURSING STUDENT LOAN PROGRAM NEW LOAN		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		257,015	
93.925	SCHOLARSHIPS FOR STUDENTS FROM DISADVANTAGED BACKGROUND		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,211,694	
<b>STUDENT FINANCIAL ASSISTANCE CLUSTER TOTAL</b>						<b>\$ 1,715,201,447</b>	<b>\$ -</b>

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<b>TRIO CLUSTER</b>							
84.042	TRIO-STUDENT SUPPORT SERVICES		DIRECT	DEPARTMENT OF EDUCATION (ED)		\$ 2,432,478	
84.044	TRIO-TALENT SEARCH		DIRECT	DEPARTMENT OF EDUCATION (ED)		4,981,302	
84.047	TRIO-UPWARD BOUND		DIRECT	DEPARTMENT OF EDUCATION (ED)		8,398,204	
84.217	TRIO-MCNAIR POST-BACCALAUREATE ACHIEVEMENT		DIRECT	DEPARTMENT OF EDUCATION (ED)		1,223,185	
<b>TRIO CLUSTER TOTAL</b>						<b>\$ 17,035,169</b>	<b>\$ -</b>

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						Federal Expenditures	
<b>SNAP CLUSTER</b>							
10.561	STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	20-10333	\$ 1,863,103	
10.561	STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	20-10936	51,016	
10.561	STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	18-3056	2,844,822	163,422
10.561	STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	21-3060	3,796,274	810,137
10.561	STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM		PASS THROUGH	CATHOLIC CHARITIES OF CALIFORNIA, INC.	20-7008	55,283	
10.561	STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM		PASS THROUGH	CHICO STATE ENTERPRISES	013117	51,608	
10.561	STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM		PASS THROUGH	CHICO STATE ENTERPRISES	A22-0055-S043	212,888	
10.561	STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM		PASS THROUGH	CHICO STATE ENTERPRISES	A22-0055-5044	91,298	
10.561	STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM		PASS THROUGH	CHICO STATE ENTERPRISES	A22-0055-S049	189,598	
10.561	STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM		PASS THROUGH	CHICO STATE ENTERPRISES	OS00000286/309135:3	42,176	
10.561	STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM		PASS THROUGH	CHICO STATE ENTERPRISES	SUB A22-0059-S048 (21-3058)	69,819	
10.561	STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM		PASS THROUGH	COUNTY OF SAN DIEGO	567311	16,833	
<b>SNAP CLUSTER TOTAL</b>						<b>\$ 9,284,718</b>	<b>\$ 973,559</b>

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<b>HEALTH CENTER PROGRAM CLUSTER</b>							
93.224	HEALTH CENTER PROGRAM (COMMUNITY HEALTH CENTERS, MIGRANT HEALTH CENTERS, HEALTH CARE FOR THE HOMELESS, AND PUBLIC HOUSING PRIMARY CARE)	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		\$ 1,516,021	
93.224	HEALTH CENTER PROGRAM (COMMUNITY HEALTH CENTERS, MIGRANT HEALTH CENTERS, HEALTH CARE FOR THE HOMELESS, AND PUBLIC HOUSING PRIMARY CARE)		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		4,052,779	
93.224	HEALTH CENTER PROGRAM (COMMUNITY HEALTH CENTERS, MIGRANT HEALTH CENTERS, HEALTH CARE FOR THE HOMELESS, AND PUBLIC HOUSING PRIMARY CARE)		PASS THROUGH	AMPLA HEALTH	H81CS46985	81,704	
93.527	GRANTS FOR NEW AND EXPANDED SERVICES UNDER THE HEALTH CARE CENTER PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		853,948	
<b>HEALTH CENTER PROGRAM CLUSTER TOTAL</b>							
						\$ 6,504,452	\$ -

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<b>FEDERAL TRANSIT CLUSTER</b>							
20.507	FEDERAL TRANSIT-FORMULA GRANTS		PASS THROUGH	CITY OF DAVIS	A20-2871	\$ 413,847	
20.507	FEDERAL TRANSIT-FORMULA GRANTS		PASS THROUGH	CITY OF DAVIS	A21-4293	5,245,899	
20.507	FEDERAL TRANSIT-FORMULA GRANTS		PASS THROUGH	CITY OF DAVIS	A21-4294	75,712	
<b>FEDERAL TRANSIT CLUSTER TOTAL</b>						<b>\$ 5,735,458</b>	<b>\$ -</b>

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<b>HIGHWAY SAFETY CLUSTER</b>							
20.600	STATE AND COMMUNITY HIGHWAY SAFETY		DIRECT	DEPARTMENT OF TRANSPORTATION (DOT)		\$ (266)	
20.600	STATE AND COMMUNITY HIGHWAY SAFETY		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	PS22020	474,602	272,819
20.600	STATE AND COMMUNITY HIGHWAY SAFETY		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	PS22021	218,438	
20.600	STATE AND COMMUNITY HIGHWAY SAFETY		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	PS23035	247,676	
20.600	STATE AND COMMUNITY HIGHWAY SAFETY		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	PS23036	800,179	140,044
20.600	STATE AND COMMUNITY HIGHWAY SAFETY		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	PS23037	41,948	
20.600	STATE AND COMMUNITY HIGHWAY SAFETY		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	PS23040	75,122	
20.600	STATE AND COMMUNITY HIGHWAY SAFETY		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	PT16155	458	
20.600	STATE AND COMMUNITY HIGHWAY SAFETY		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	PT22095	88,720	
20.600	STATE AND COMMUNITY HIGHWAY SAFETY		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	PT23188	222,928	
20.600	STATE AND COMMUNITY HIGHWAY SAFETY		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR22013	429,869	
20.600	STATE AND COMMUNITY HIGHWAY SAFETY		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR23017	1,053,919	
20.616	NATIONAL PRIORITY SAFETY PROGRAMS		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	DI23029	21,822	
20.616	NATIONAL PRIORITY SAFETY PROGRAMS		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	DI3026	120,672	
20.616	NATIONAL PRIORITY SAFETY PROGRAMS		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR20004	2,394	
20.616	NATIONAL PRIORITY SAFETY PROGRAMS		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR22014	21,150	
20.616	NATIONAL PRIORITY SAFETY PROGRAMS		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR22015	79,553	
20.616	NATIONAL PRIORITY SAFETY PROGRAMS		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR22016	57,074	
20.616	NATIONAL PRIORITY SAFETY PROGRAMS		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR23015	162,612	
20.616	NATIONAL PRIORITY SAFETY PROGRAMS		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR23016	68,349	
20.616	NATIONAL PRIORITY SAFETY PROGRAMS		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR23018	149,782	
20.616	NATIONAL PRIORITY SAFETY PROGRAMS		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR23019	167,124	
20.616	NATIONAL PRIORITY SAFETY PROGRAMS		PASS THROUGH	CALIFORNIA OFFICE OF TRAFFIC SAFETY	TR23020	53,597	
<b>HIGHWAY SAFETY CLUSTER TOTAL</b>							
						\$ 4,557,722	\$ 412,863

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<b>477 CLUSTER</b>							
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	CALIFORNIA TRIBAL TANF PARTNERSHIP	C000114258	\$ 160,819	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF ALPINE	C000114240	593	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF AMADOR	C000114191	7,275	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF BUTTE	C000114217	10,653	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF DEL NORTE	C000114228	(3,613)	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF DEL NORTE	C000114229	(7)	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF GLENN	C000114182	11,937	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF GLENN	C000114357	15,219	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF HUMBOLDT	C000114179	34,189	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF INYO	C000114256	21,306	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF KINGS	C000114249	166,105	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF KINGS	GENT-2022-13	35,852	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF LAKE	C000114194	7,431	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF LAKE	EW-2022-14	31,190	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF MARIN	C000113813	48	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF MARIN	C000114196	8,044	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF MARIPOSA	C000114244	1,581	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF MARIPOSA	EW-2018-18	(1,530)	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF MODOC	C000114248	11,132	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF MONO	C000114359	15,156	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF NAPA	C000114193	10,890	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF PLUMAS	C000114221	4,111	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF SAN BENITO	C000114226	1,897	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF SAN BENITO	C000114227	3,952	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF SAN DIEGO	EW-2016-51	3,727	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF SAN JOAQUIN	C000114313	25,691	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF SAN LUIS OBISPO	C000114223	580	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF SAN LUIS OBISPO	GENT-2022-52	35,573	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF SAN MATEO	C000114219	101,179	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF SAN MATEO	C000114241	316	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF SANTA CRUZ	C000114176	(4,418)	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF SHASTA	C000114282	28,425	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF SIERRA	C000114234	2,174	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF SISKIYOU	C000114284	80,118	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF SOLANO	C000114232	13,241	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF STANISLAUS	C000113775	56	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF STANISLAUS	C000114306	94,860	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF STANISLAUS	C000114308	54,489	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF TRINITY	EW201737	765	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF TULARE	C000114314	44,345	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	COUNTY OF YOLO	C000114348	19,842	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	CITY OF LOS ANGELES ECONOMIC AND WORKFORCE DEVELOPMENT DEPARTMENT	C-130396	(2,143)	
93.558	TEMPORARY ASSISTANCE FOR NEEDY FAMILIES (TANF)		PASS THROUGH	CITY OF LOS ANGELES ECONOMIC AND WORKFORCE DEVELOPMENT DEPARTMENT	C-139198	(1,258)	
93.569	COMMUNITY SERVICES BLOCK GRANT	COVID-19	PASS THROUGH	COMMUNITY ACTION PARTNERSHIP OF ORANGE COUNTY	CAP-5609521	(408)	
<b>477 CLUSTER TOTAL</b>							
						\$ 1,051,384	\$ -

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<b>HEAD START CLUSTER</b>							
93.600	HEAD START	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		\$ 88,172	
93.600	HEAD START		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,874,489	
93.600	HEAD START		PASS THROUGH	AMERICAN ACADEMY OF PEDIATRICS	719190 UCLA	(661)	
93.600	HEAD START		PASS THROUGH	CALIFORNIA MEDICAL CENTER	20111273	200,636	
93.600	HEAD START		PASS THROUGH	EDUCATION DEVELOPMENT CENTER, INC.	EDC# 12555 (2020-0015)	462,788	
93.600	HEAD START		PASS THROUGH	GEOGETOWN UNIVERSITY	414798_GR424357_UCSF	181,329	
93.600	HEAD START		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	20160127	(37)	
93.600	HEAD START		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	21-016141 A 01	126,854	
93.600	HEAD START		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	22-016637 A 00	478,885	
93.600	HEAD START		PASS THROUGH	UNIVERSITY OF MASSACHUSETTS AMHERST	22-016637 A 001	567,933	
<b>HEAD START CLUSTER TOTAL</b>						<b>\$ 3,980,388</b>	<b>\$ -</b>

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<b>CCDF CLUSTER</b>							
93.575	CHILD CARE AND DEVELOPMENT BLOCK GRANT		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		\$ 25,564	
93.575	CHILD CARE AND DEVELOPMENT BLOCK GRANT		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	A18-0149	224,432	
93.575	CHILD CARE AND DEVELOPMENT BLOCK GRANT		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	CCTR-1170	3,259	
93.575	CHILD CARE AND DEVELOPMENT BLOCK GRANT		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	CCTR-2171	467,807	
93.575	CHILD CARE AND DEVELOPMENT BLOCK GRANT		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	CCTR-9253	(977)	
93.575	CHILD CARE AND DEVELOPMENT BLOCK GRANT		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	CSPP-2350	76,998	
93.575	CHILD CARE AND DEVELOPMENT BLOCK GRANT		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	CCTR-1134	(911)	
93.575	CHILD CARE AND DEVELOPMENT BLOCK GRANT		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	CCTR-2270	139,046	
93.575	CHILD CARE AND DEVELOPMENT BLOCK GRANT		PASS THROUGH	UNIVERSITY OF VIRGINIA	GENFD0002177398	68,236	
93.596	CHILD CARE MANDATORY AND MATCHING FUNDS OF THE CHILD CARE AND DEVELOPMENT FUND		PASS THROUGH	CALIFORNIA CHILD DEVELOPMENT DIVISION	013275	288,197	
93.596	CHILD CARE MANDATORY AND MATCHING FUNDS OF THE CHILD CARE AND DEVELOPMENT FUND		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	A18-0148	414,529	
93.596	CHILD CARE MANDATORY AND MATCHING FUNDS OF THE CHILD CARE AND DEVELOPMENT FUND		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	CCTR-9253	(2,451)	
93.596	CHILD CARE MANDATORY AND MATCHING FUNDS OF THE CHILD CARE AND DEVELOPMENT FUND		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	CCTR-2270	54,460	
<b>CCDF CLUSTER TOTAL</b>							
						\$ 1,758,189	\$ -

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<b>ECONOMIC DEVELOPMENT CLUSTER</b>							
11.307	ECONOMIC ADJUSTMENT ASSISTANCE	COVID-19	DIRECT	DEPARTMENT OF COMMERCE (DOC)		\$ 643,610	
11.307	ECONOMIC ADJUSTMENT ASSISTANCE		DIRECT	DEPARTMENT OF COMMERCE (DOC)		1,671,799	89,963
11.307	ECONOMIC ADJUSTMENT ASSISTANCE		PASS THROUGH	FOUNDATION FOR CALIFORNIA COMMUNITY COLLEGES	00006889	77,132	
<b>ECONOMIC DEVELOPMENT CLUSTER TOTAL</b>						<b>\$ 2,392,541</b>	<b>\$ 89,963</b>

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<b>MEDICAID CLUSTER</b>							
93.778	MEDICAL ASSISTANCE PROGRAM		PASS THROUGH	ALAMEDA COUNTY PUBLIC HEALTH DEPARTMENT	2017307	\$ 134,042	
93.778	MEDICAL ASSISTANCE PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF HEALTH CARE SERVICES	18-95094	175,314	
93.778	MEDICAL ASSISTANCE PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF HEALTH CARE SERVICES	20171252	(1,604)	
93.778	MEDICAL ASSISTANCE PROGRAM		PASS THROUGH	CITY AND COUNTY OF SAN FRANCISCO	1000011970	865,425	
93.778	MEDICAL ASSISTANCE PROGRAM		PASS THROUGH	COUNTY OF SAN JOAQUIN	C000114311	11,067	
93.778	MEDICAL ASSISTANCE PROGRAM		PASS THROUGH	COUNTY OF TEHAMA	C000114345	3,953	
93.778	MEDICAL ASSISTANCE PROGRAM		PASS THROUGH	COUNTY OF TEHAMA	C000114346	3,953	
93.778	MEDICAL ASSISTANCE PROGRAM		PASS THROUGH	COUNTY OF YUBA	C000114222	12,332	
93.778	MEDICAL ASSISTANCE PROGRAM		PASS THROUGH	COUNTY OF YUBA	GENT-2022-41	37,765	
93.778	MEDICAL ASSISTANCE PROGRAM		PASS THROUGH	HELUNA HEALTH	1000007616	38,293	
<b>MEDICAID CLUSTER TOTAL</b>						<b>\$ 1,280,540</b>	<b>\$ -</b>

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<b>WIOA CLUSTER</b>							
17.258	WIOA ADULT PROGRAM		DIRECT	DEPARTMENT OF LABOR (DOL)		\$ 3,025.00	
17.258	WIOA ADULT PROGRAM		PASS THROUGH	HOSPITALITY INDUSTRY TRAINING AND EDUCATION FUND	Phase II Y2-5R42DA050398-03 UCLA	20,845	
17.259	WIOA YOUTH ACTIVITIES		PASS THROUGH	CITY OF LOS ANGELES	C-139477 (T6906)	(3,111)	
17.259	WIOA YOUTH ACTIVITIES		PASS THROUGH	CITY OF LOS ANGELES	T-5276 (C-121313)	(2,681)	
17.259	WIOA YOUTH ACTIVITIES		PASS THROUGH	CITY OF LOS ANGELES	T6244	(5,583)	
17.259	WIOA YOUTH ACTIVITIES		PASS THROUGH	CITY OF LOS ANGELES	T6709/C136079	(68)	
17.259	WIOA YOUTH ACTIVITIES		PASS THROUGH	CITY OF LOS ANGELES ECONOMIC AND WORKFORCE DEVELOPMENT DEPARTMENT	C-135989:1	(10,065)	
17.259	WIOA YOUTH ACTIVITIES		PASS THROUGH	CITY OF LOS ANGELES ECONOMIC AND WORKFORCE DEVELOPMENT DEPARTMENT	C-141366-1	656,251	
17.259	WIOA YOUTH ACTIVITIES		PASS THROUGH	CITY OF LOS ANGELES ECONOMIC AND WORKFORCE DEVELOPMENT DEPARTMENT	C-141769	403,449	
17.259	WIOA YOUTH ACTIVITIES		PASS THROUGH	CITY OF LOS ANGELES ECONOMIC AND WORKFORCE DEVELOPMENT DEPARTMENT	T7286/C-142407	257,890	
17.259	WIOA YOUTH ACTIVITIES		PASS THROUGH	CITY OF LOS ANGELES ECONOMIC AND WORKFORCE DEVELOPMENT DEPARTMENT	T7288/C-143157	59,960	
<b>WIOA CLUSTER TOTAL</b>						<b>\$ 1,379,912</b>	<b>\$ -</b>

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<b>HIGHWAY PLANNING AND CONSTRUCTION CLUSTER</b>							
20.205	HIGHWAY PLANNING AND CONSTRUCTION		PASS THROUGH	CALTRANS CALIFORNIA DEPARTMENT OF TRANSPORTATION	65A0697	\$ 11,119	
20.205	HIGHWAY PLANNING AND CONSTRUCTION		PASS THROUGH	TEXAS A&M UNIVERSITY - COLLEGE STATION	48F20214632130	120,243	
20.205	HIGHWAY PLANNING AND CONSTRUCTION		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	087795-17990	5,543	
20.205	HIGHWAY PLANNING AND CONSTRUCTION		PASS THROUGH	UNIVERSITY OF ILLINOIS URBANA-CHAMPAIGN	098443-18773	8,824	
<b>HIGHWAY PLANNING AND CONSTRUCTION CLUSTER TOTAL</b>						\$ 145,729	\$ -

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<b>FMCSA CLUSTER</b>							
20.237	MOTOR CARRIER SAFETY ASSISTANCE HIGH PRIORITY ACTIVITIES GRANTS AND COOPERATIVE AGREEMENTS		DIRECT	DEPARTMENT OF TRANSPORTATION (DOT)		\$ 879,635	
<b>FMCSA CLUSTER TOTAL</b>							
						\$ 879,635	\$ -

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<b>CDBG - ENTITLEMENT GRANTS CLUSTER</b>							
14.218	COMMUNITY DEVELOPMENT BLOCK GRANTS/ENTITLEMENT GRANTS		PASS THROUGH	CITY OF LOS ANGELES	012942	\$ 85,395	
	<b>CDBG - ENTITLEMENT GRANTS CLUSTER TOTAL</b>					<u>\$ 85,395</u>	<u>\$ -</u>

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<b>CHILD NUTRITION CLUSTER</b>							
10.555	NATIONAL SCHOOL LUNCH PROGRAM (NSLP)		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	20230772	\$ 81,378	
<b>CHILD NUTRITION CLUSTER TOTAL</b>							
						\$ 81,378	\$ -

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<b>SPECIAL EDUCATION CLUSTER (IDEA)</b>							
84.027	SPECIAL EDUCATION-GRANTS TO STATES (IDEA, PART B)		PASS THROUGH	UNIVERSITY OF NEBRASKA-LINCOLN	26-1710-0233-002	38,312	
84.027	SPECIAL EDUCATION-GRANTS TO STATES (IDEA, PART B)		PASS THROUGH	UNIVERSITY OF NEBRASKA-LINCOLN	26-1727-0057-002	2,706	
<b>SPECIAL EDUCATION CLUSTER (IDEA) TOTAL</b>						\$ 41,018	\$ -

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<b>OTHER FEDERAL PROGRAMS</b>							
10.001	AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		\$ 32,588	
10.001	AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH		PASS THROUGH	CRDF GLOBAL	DAA3-20-66954-1	(240)	
10.001 Total						32,348	
10.168	FARMERS MARKET PROMOTION PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		149,497	
10.168	FARMERS MARKET PROMOTION PROGRAM		PASS THROUGH	THE ALAMEDA COUNTY DEPUTY SHERIFFS ACTIVITIES LEAGUE INC	Y21-5736	1,349	
10.168 Total						150,846	119,715
10.175	FARMERS MARKET AND LOCAL FOOD PROMOTION PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		123,282	
10.175 Total						123,282	
10.182	FOOD BANK NETWORK		PASS THROUGH	SECOND HARVEST FOOD BANK OF ORANGE COUNTY, INC.	1UAPI	9,280	
10.182 Total						9,280	
10.229	EXTENSION COLLABORATIVE ON IMMUNIZATION TEACHING AND ENGAGEMENT		PASS THROUGH	EXTENSION FOUNDATION	EXC3-2022-2250		10,000
10.229 Total						10,000	
10.331	FOOD INSECURITY NUTRITION INCENTIVE GRANTS PROGRAM		PASS THROUGH	CHN NEBRASKA	A135208		209,322
10.331 Total						209,322	
10.511	SMITH-LEVER 3(B) AND 3(C), SMITH-LEVER SPECIAL NEEDS, AND UNIVERSITY OF DISTRICT OF COLUMBIA PUBLIC POSTSECONDARY EDUCATION REORGANIZATION ACT PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)			(3,992)
10.511 Total							(3,992)
10.516	RURAL HEALTH AND SAFETY		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		140,723	
10.516 Total						140,723	18,826
10.522	FOOD AND AGRICULTURE SERVICE LEARNING PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		113,189	
10.522 Total						113,189	
10.525	FARM AND RANCH STRESS ASSISTANCE NETWORK COMPETITIVE GRANTS PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0504-004-SF		79,463
10.525 Total						79,463	
10.557	SPECIAL SUPPLEMENTAL NUTRITION PROGRAM FOR WOMEN, INFANTS, AND CHILDREN (WIC)		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	20-10848		192,123
10.557	SPECIAL SUPPLEMENTAL NUTRITION PROGRAM FOR WOMEN, INFANTS, AND CHILDREN (WIC)		PASS THROUGH	HELUNA HEALTH	Y20-5252		(71)
10.557 Total							192,052
10.558	CHILD AND ADULT CARE FOOD PROGRAM (CACFP)		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	003376		67,869
10.558	CHILD AND ADULT CARE FOOD PROGRAM (CACFP)		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	301466-1A		20,572
10.558	CHILD AND ADULT CARE FOOD PROGRAM (CACFP)		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	ITQ-07-418-CYC4		(95)
10.558 Total							88,346
10.613	FACULTY EXCHANGE PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)			7,956
10.613 Total							7,956
10.664	COOPERATIVE FORESTRY ASSISTANCE		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)			207,657
10.664 Total							207,657
10.675	URBAN AND COMMUNITY FORESTRY PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION	8GA20401		218,686
10.675	URBAN AND COMMUNITY FORESTRY PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION	8GA22401		70,614
10.675 Total							289,300
10.680	FOREST HEALTH PROTECTION		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)			218,105
10.680	FOREST HEALTH PROTECTION		PASS THROUGH	CALIFORNIA DEPARTMENT OF FORESTRY AND FIRE PROTECTION	8GA21603		100,444
10.680 Total							318,549
10.698	STATE & PRIVATE FORESTRY COOPERATIVE FIRE ASSISTANCE		PASS THROUGH	NATURE CONSERVANCY	UC COOP SFN 2021		(2,073)
10.698 Total							(2,073)

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10.902	SOIL AND WATER CONSERVATION		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		85,238	
10.902	SOIL AND WATER CONSERVATION		PASS THROUGH	CHILDREN LEARNING THROUGH OUTDOOR EXPERIENCES	Y22-5966	5,149	
10.902 Total						90,387	
10.912	ENVIRONMENTAL QUALITY INCENTIVES PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		65,284	
10.912	ENVIRONMENTAL QUALITY INCENTIVES PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0619-001-SF	98,026	
10.912 Total						163,310	
10.931	AGRICULTURAL CONSERVATION EASEMENT PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		6,600	
10.931 Total						6,600	
10.932	REGIONAL CONSERVATION PARTNERSHIP PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		46,072	46,072
10.932 Total						46,072	46,072
10.935	URBAN AGRICULTURE AND INNOVATIVE PRODUCTION		PASS THROUGH	COMMUNITY ALLIANCE WITH FAMILY FARMERS	Y22-5947	1,133	
10.935	URBAN AGRICULTURE AND INNOVATIVE PRODUCTION		PASS THROUGH	COMMUNITY ALLIANCE WITH FAMILY FARMERS	Y22-6138	3,003	
10.935 Total						4,136	
10.960	TECHNICAL AGRICULTURAL ASSISTANCE		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		21,468	
10.960 Total						21,468	
10.962	COCHRAN FELLOWSHIP PROGRAM		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		184,370	
10.962 Total						184,370	
10.U01	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA CERTIFIED ORGANIC FARMERS FOUNDATION	A21-4075	11,007	
10.U01 Total						11,007	
10.U02	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE	21-0325-002-SF	106,237	
10.U02 Total						106,237	
10.U03	FEDERAL CONTRACTS		PASS THROUGH	COUNTERPART INTERNATIONAL, INC	A18-1584-S001	92,986	
10.U03 Total						92,986	
10.U04	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL FISH AND WILDLIFE FOUNDATION	0806.21.071843	85,991	
10.U04 Total						85,991	
10.U05	FEDERAL CONTRACTS		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		5	
10.U05 Total						5	
10.U06	FEDERAL CONTRACTS		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		20,680	
10.U06 Total						20,680	
10.U07	FEDERAL CONTRACTS		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		9,266	
10.U07 Total						9,266	
10.U08	FEDERAL CONTRACTS		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		(23,177)	
10.U08 Total						(23,177)	
10.U09	FEDERAL CONTRACTS		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		26,553	
10.U09 Total						26,553	
10.U10	FEDERAL CONTRACTS		DIRECT	UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)		23,714	
10.U10 Total						23,714	
10.U11	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF HAWAII AT MANOA	MA1752	336	
10.U11 Total						336	
11.017	OCEAN ACIDIFICATION PROGRAM (OAP)		DIRECT	DEPARTMENT OF COMMERCE (DOC)		36,557	
11.017 Total						36,557	
11.024	BUILD TO SCALE	COVID-19	DIRECT	DEPARTMENT OF COMMERCE (DOC)		127,823	
11.024	BUILD TO SCALE		DIRECT	DEPARTMENT OF COMMERCE (DOC)		264,483	
11.024 Total						392,306	

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11.417	SEA GRANT SUPPORT		PASS THROUGH	UC SEA GRANT COLLEGE PROGRAM	NA22OAR4170106	28,586	
11.417 Total						28,586	
11.U01	FEDERAL CONTRACTS		PASS THROUGH	STARBURST ACCELERATOR, LLC	20205193	194,234	
11.U01 Total						194,234	
12.350	DEPARTMENT OF DEFENSE HIV/AIDS PREVENTION PROGRAM	COVID-19	PASS THROUGH	SENECA TELECOMMUNICATIONS, LLC	20201077 (HT001119C0017)	111,142	
12.350 Total						111,142	
12.550	THE LANGUAGE FLAGSHIP GRANTS TO INSTITUTIONS OF HIGHER EDUCATION		PASS THROUGH	INSTITUTE OF INTERNATIONAL EDUCATION, INC.	0054-UCLA-10	8,952	
12.550	THE LANGUAGE FLAGSHIP GRANTS TO INSTITUTIONS OF HIGHER EDUCATION		PASS THROUGH	INSTITUTE OF INTERNATIONAL EDUCATION, INC.	CON-80003673 (GR116224):3	318,631	
12.550 Total						327,583	
12.555	ENGLISH FOR HERITAGE LANGUAGE SPEAKERS SCHOLARSHIPS		PASS THROUGH	SAN DIEGO UNIFIED SCHOOL DISTRICT	SUB HE1254-17-1-0003(SV19-0306)	(4,408)	
12.555 Total						(4,408)	
12.U01	FEDERAL CONTRACTS		PASS THROUGH	ARMED FORCES SERVICES CORPORATION	K23MH116117-05	2,386,922	
12.U01 Total						2,386,922	
12.U02	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF DEFENSE		14,313	
12.U02 Total						14,313	
12.U03	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF DEFENSE		19,191	
12.U03 Total						19,191	
12.U04	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF DEFENSE		73,836	
12.U04 Total						73,836	
12.U05	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF DEFENSE		14,514	
12.U05 Total						14,514	
12.U06	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF DEFENSE		15,000	
12.U06 Total						15,000	
12.U07	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF DEFENSE		(17,470)	
12.U07 Total						(17,470)	
12.U08	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF DEFENSE		346,100	
12.U08 Total						346,100	
12.U09	FEDERAL CONTRACTS		PASS THROUGH	LEIDOS, INC.	P010266416	3,318,188	
12.U09 Total						3,318,188	
12.U10	FEDERAL CONTRACTS		PASS THROUGH	NEAR EAST SOUTH ASIA CENTER FOR STRATEGIC STUDIES	20172892	276,826	
12.U10 Total						276,826	
12.U11	FEDERAL CONTRACTS		PASS THROUGH	PINTEON THERAPEUTICS, INC.	PNT001-002 (DoD)	(2,355)	
12.U11 Total						(2,355)	
12.U12	FEDERAL CONTRACTS		PASS THROUGH	SYSTEMS PLUS, INC.	A21-2602	15,106	
12.U12 Total						15,106	
13.U01	FEDERAL CONTRACTS		DIRECT	CENTRAL INTELLIGENCE AGENCY		86	
13.U01 Total						86	
15.225	RECREATION RESOURCE MANAGEMENT (DELETED IN 2020)		PASS THROUGH	DUKE UNIVERSITY	343-000079	44,106	
15.225 Total						44,106	
15.235	SOUTHERN NEVADA PUBLIC LAND MANAGEMENT		PASS THROUGH	TAHOE RESOURCE CONSERVATION DISTRICT	Y18-4440	5,977	
15.235 Total						5,977	
15.614	COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION PROGRAM		DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		(161,089)	

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15.614 Total						(161,089)	
15.637 MIGRATORY BIRD JOINT VENTURES			PASS THROUGH	PHEASANTS FOREVER, INC.	PCSR-FWS 2021-06	84,158	
15.637 Total						84,158	
15.669 COOPERATIVE LANDSCAPE CONSERVATION			DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		129,325	
15.669 Total						129,325	
15.904 HISTORIC PRESERVATION FUND GRANTS-IN-AID			PASS THROUGH	CALIFORNIA PARKS AND RECREATION, DEPARTMENT OF	30242699	6,750	
15.904 Total						6,750	
15.922 NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT			DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		56,589	
15.922 Total						56,589	
15.933 PRESERVATION OF JAPANESE AMERICAN CONFINEMENT SITES			DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		320,222	
15.933 Total						320,222	
15.U01 FEDERAL CONTRACTS			DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		1,697,536	
15.U01 Total						1,697,536	
15.U02 FEDERAL CONTRACTS			DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		72,214	
15.U02 Total						72,214	
15.U03 FEDERAL CONTRACTS			DIRECT	DEPARTMENT OF THE INTERIOR (DOI)		44	
15.U03 Total						44	
16.525 GRANTS TO REDUCE DOMESTIC VIOLENCE, DATING VIOLENCE, SEXUAL ASSAULT, AND STALKING ON CAMPUS			DIRECT	DEPARTMENT OF JUSTICE (DOJ)		53,934	
16.525 Total						53,934	
16.554 NATIONAL CRIMINAL HISTORY IMPROVEMENT PROGRAM (NCHIP)			PASS THROUGH	STATE OF CALIFORNIA DEPARTMENT OF JUSTICE	21-0198	72,781	
16.554 Total						72,781	
16.560 NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS			DIRECT	DEPARTMENT OF JUSTICE (DOJ)		39,817	
16.560 Total						39,817	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	2017305	(61,636)	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	013107	176,538	111,724
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	013785	45,826	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	2020-V2-GX-0031	109,960	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	56536A/09-15	(40,979)	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	AT20018565	(342)	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	AT21 02 8565	138,166	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	AT21028556	111,135	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	AT22 03 8556	95,777	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	AT22 03 8565	132,682	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	CS21148556	239,331	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	KC19 03 8565	584	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	KC21 05 8565	204,313	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	KC22 01 8565	72,522	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	RC17 33 1141	(2,845)	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	RC20368565	(14,626)	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	RC21 37 8565	255,005	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	RC22 38 8565	544,761	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	XY22028556	90,325	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	COUNTY OF LOS ANGELES	20201092	88	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	COUNTY OF LOS ANGELES	RC6-2022	62,659	
16.575 CRIME VICTIM ASSISTANCE			PASS THROUGH	COUNTY OF LOS ANGELES	XC21 2022 RC6	43,994	
16.575 Total						2,203,238	111,724
16.590 GRANTS TO ENCOURAGE ARREST POLICIES AND ENFORCEMENT OF PROTECTION ORDERS PROGRAM			PASS THROUGH	COUNTY OF CONTRA COSTA	A129480	(2,852)	
16.590 Total						(2,852)	

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16.726	JUVENILE MENTORING PROGRAM		PASS THROUGH	NATIONAL 4-H COUNCIL	Y20-5254	(302)	
16.726	JUVENILE MENTORING PROGRAM		PASS THROUGH	NATIONAL 4-H COUNCIL	Y21-5837	19,715	
16.726 Total						19,413	
16.742	PAUL COVERDELL FORENSIC SCIENCES IMPROVEMENT GRANT PROGRAM		PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	CQ21 03 8556	52,033	
16.742 Total						52,033	
16.922	EQUITABLE SHARING PROGRAM		PASS THROUGH	COALITION TO ABOLISH SLAVERY & TRAFFICKING	A136055	(3,001)	
16.922 Total						(3,001)	
16.U01	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES	RC18348565	10,942	
16.U01 Total						10,942	
16.U02	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF JUSTICE (DOJ)		3,756	
16.U02 Total						3,756	
17.268	H-18 JOB TRAINING GRANTS		DIRECT	DEPARTMENT OF LABOR (DOL)		282,484	
17.268 Total						282,484	
17.401	INTERNATIONAL LABOR PROGRAMS		PASS THROUGH	AMERICAN CENTER FOR INTERNATIONAL LABOR SOLIDARITY	20211345	54,264	
17.401 Total						54,264	
17.502	OCCUPATIONAL SAFETY AND HEALTH SUSAN HARWOOD TRAINING GRANTS		DIRECT	DEPARTMENT OF LABOR (DOL)		346,061	52,917
17.502	OCCUPATIONAL SAFETY AND HEALTH SUSAN HARWOOD TRAINING GRANTS		PASS THROUGH	NEAR EAST SOUTH ASIA CENTER FOR STRATEGIC STUDIES	20223361	260,567	
17.502 Total						606,628	52,917
17.U01	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA EMPLOYMENT DEVELOPMENT DEPARTMENT	M7105788	(5,624)	
17.U01 Total						(5,624)	
17.U02	FEDERAL CONTRACTS		PASS THROUGH	CITY OF LOS ANGELES	C-127200	(128)	
17.U02 Total						(128)	
19.009	ACADEMIC EXCHANGE PROGRAMS - UNDERGRADUATE PROGRAMS		PASS THROUGH	INTERNATIONAL RESEARCH AND EXCHANGES BOARD, INC.	A23-2678	81,812	
19.009	ACADEMIC EXCHANGE PROGRAMS - UNDERGRADUATE PROGRAMS		PASS THROUGH	INTERNATIONAL RESEARCH AND EXCHANGES BOARD, INC.	S-ECAGD-21-CA-3082	125,644	
19.009	ACADEMIC EXCHANGE PROGRAMS - UNDERGRADUATE PROGRAMS		PASS THROUGH	WORLD LEARNING FOR INTERNATIONAL DEVELOPMENT	IDEAS21-UCEAP01	10,480	
19.009 Total						217,936	
19.010	ACADEMIC EXCHANGE PROGRAMS - HUBERT H. HUMPHREY FELLOWSHIP PROGRAM		PASS THROUGH	INSTITUTE OF INTERNATIONAL EDUCATION, INC.	SECAGD21CA3001	20,153	
19.010	ACADEMIC EXCHANGE PROGRAMS - HUBERT H. HUMPHREY FELLOWSHIP PROGRAM		PASS THROUGH	INSTITUTE OF INTERNATIONAL EDUCATION, INC.	S-ECAGD-21-CA-3001	15,333	5,000
19.010	ACADEMIC EXCHANGE PROGRAMS - HUBERT H. HUMPHREY FELLOWSHIP PROGRAM		PASS THROUGH	INSTITUTE OF INTERNATIONAL EDUCATION, INC.	S-ECAGD-22-CA-0009	226,279	
19.010 Total						261,765	5,000
19.040	PUBLIC DIPLOMACY PROGRAMS		DIRECT	DEPARTMENT OF STATE		21,308	
19.040 Total						21,308	
19.401	ACADEMIC EXCHANGE PROGRAMS - SCHOLARS		PASS THROUGH	INSTITUTE OF INTERNATIONAL EDUCATION, INC.	3000231366	4,552	
19.401	ACADEMIC EXCHANGE PROGRAMS - SCHOLARS		PASS THROUGH	INSTITUTE OF INTERNATIONAL EDUCATION, INC.	3000271990	33,691	
19.401 Total						38,243	
19.402	PROFESSIONAL AND CULTURAL EXCHANGE PROGRAMS - INTERNATIONAL VISITOR LEADERSHIP PROGRAM		PASS THROUGH	GLOBAL TIES U.S.	CPG-FY21-016	250	
19.402	PROFESSIONAL AND CULTURAL EXCHANGE PROGRAMS - INTERNATIONAL VISITOR LEADERSHIP PROGRAM		PASS THROUGH	GLOBAL TIES U.S.	CPG-FY22-033	122,238	
19.402 Total						122,488	
19.U01	FEDERAL CONTRACTS		PASS THROUGH	INSTITUTE OF INTERNATIONAL EDUCATION, INC.	S-ECAGD-23-CA-0009	24,648	
19.U01 Total						24,648	
20.106	AIRPORT IMPROVEMENT PROGRAM		DIRECT	DEPARTMENT OF TRANSPORTATION (DOT)		21,881	

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20.106 Total						21,881	
20.215 HIGHWAY TRAINING AND EDUCATION			DIRECT	DEPARTMENT OF TRANSPORTATION (DOT)		119,671	
20.215 Total						119,671	
21.027 CORONAVIRUS STATE AND LOCAL FISCAL RECOVERY FUNDS		COVID-19	PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF PLANNING AND RESEARCH	CCGF015	476,774	73,138
21.027 CORONAVIRUS STATE AND LOCAL FISCAL RECOVERY FUNDS		COVID-19	PASS THROUGH	CALIFORNIA VOLUNTEERS, OFFICE OF THE GOVERNOR	013066	1,552,359	
21.027 CORONAVIRUS STATE AND LOCAL FISCAL RECOVERY FUNDS		COVID-19	PASS THROUGH	CALIFORNIA VOLUNTEERS, OFFICE OF THE GOVERNOR	CCSFRF016	721,621	
21.027 CORONAVIRUS STATE AND LOCAL FISCAL RECOVERY FUNDS		COVID-19	PASS THROUGH	CALIFORNIA VOLUNTEERS, OFFICE OF THE GOVERNOR	CCSFRF017	1,034,354	
21.027 CORONAVIRUS STATE AND LOCAL FISCAL RECOVERY FUNDS		COVID-19	PASS THROUGH	COUNTY OF GLENN	Y22-6188	10,345	
21.027 CORONAVIRUS STATE AND LOCAL FISCAL RECOVERY FUNDS		COVID-19	PASS THROUGH	COUNTY OF ORANGE	SLFRP1607	156,288	
21.027 Total						3,951,741	73,138
21.U01 FEDERAL CONTRACTS		COVID-19	PASS THROUGH	CITY OF RIVERSIDE	013618	22,500	
21.U01 Total						22,500	
39.007 SALE OF FEDERAL SURPLUS PERSONAL PROPERTY			DIRECT	GENERAL SERVICES ADMINISTRATION		145,793	
39.007 Total						145,793	
42.010 TEACHING WITH PRIMARY SOURCES			DIRECT	LIBRARY OF CONGRESS		93,192	
42.010 Total						93,192	
42.U01 FEDERAL CONTRACTS			PASS THROUGH	CALIFORNIA GOVERNOR'S OFFICE OF PLANNING AND RESEARCH	CCSFRF015	3,036,962	423,963
42.U01 Total						3,036,962	423,963
42.U02 FEDERAL CONTRACTS			DIRECT	LIBRARY OF CONGRESS		83,858	
42.U02 Total						83,858	
43.001 SCIENCE			DIRECT	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION		44,500	
43.001 Total						44,500	
43.008 OFFICE OF STEM ENGAGEMENT (OSTEM)			DIRECT	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION		76,055	
43.008 OFFICE OF STEM ENGAGEMENT (OSTEM)			PASS THROUGH	CARTHAGE COLLEGE	FNL21_5.0	29	
43.008 Total						76,084	
43.009 SAFETY, SECURITY AND MISSION SERVICES			DIRECT	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION		1,176	
43.009 Total						1,176	
43.012 SPACE TECHNOLOGY			DIRECT	NATIONAL AERONAUTICS AND SPACE ADMINISTRATION		264,401	
43.012 Total						264,401	
43.U01 FEDERAL CONTRACTS			PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	011705	5,058	
43.U01 Total						5,058	
43.U02 FEDERAL CONTRACTS			PASS THROUGH	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY, INC.	013730	20,167	
43.U02 Total						20,167	
45.024 PROMOTION OF THE ARTS GRANTS TO ORGANIZATIONS AND INDIVIDUALS			DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		483,082	
45.024 Total						483,082	
45.129 PROMOTION OF THE HUMANITIES-FEDERAL/STATE PARTNERSHIP			PASS THROUGH	CALIFORNIA HUMANITIES	013231	14,524	
45.129 PROMOTION OF THE HUMANITIES-FEDERAL/STATE PARTNERSHIP			PASS THROUGH	CALIFORNIA HUMANITIES	HFAP21-110	8,567	
45.129 PROMOTION OF THE HUMANITIES-FEDERAL/STATE PARTNERSHIP			PASS THROUGH	CALIFORNIA HUMANITIES	HFAP22-123	5,966	
45.129 PROMOTION OF THE HUMANITIES-FEDERAL/STATE PARTNERSHIP			PASS THROUGH	CALIFORNIA HUMANITIES	SO-26863-20	24	
45.129 PROMOTION OF THE HUMANITIES-FEDERAL/STATE PARTNERSHIP			PASS THROUGH	CALIFORNIA HUMANITIES	ZSO-283128-21	103	
45.129 Total						29,184	
45.149 PROMOTION OF THE HUMANITIES DIVISION OF PRESERVATION AND ACCESS			DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		256,174	
45.149 PROMOTION OF THE HUMANITIES DIVISION OF PRESERVATION AND ACCESS			PASS THROUGH	AMERICAN RESEARCH CENTER IN EGYPT, INCORPORATED	20220049	11,129	
45.149 Total						267,303	
45.160 PROMOTION OF THE HUMANITIES FELLOWSHIPS AND STIPENDS			DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		59,965	

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45.160 Total						59,965	
45.161 PROMOTION OF THE HUMANITIES RESEARCH			DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		12,143	1,332
45.161 Total						12,143	1,332
45.162 PROMOTION OF THE HUMANITIES TEACHING AND LEARNING RESOURCES AND CURRICULUM DEVELOPMENT			DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		26,541	
45.162 Total						26,541	
45.163 PROMOTION OF THE HUMANITIES PROFESSIONAL DEVELOPMENT			DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		112,912	
45.163 Total						112,912	
45.169 PROMOTION OF THE HUMANITIES OFFICE OF DIGITAL HUMANITIES			DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		95,074	
45.169 Total						95,074	
45.301 MUSEUMS FOR AMERICA			DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		41,086	
45.301 Total						41,086	
45.312 NATIONAL LEADERSHIP GRANTS			DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		244,243	
45.312 NATIONAL LEADERSHIP GRANTS			PASS THROUGH	DREXEL UNIVERSITY	Sub 950022 ( RE-246450-OLS)	18,517	
45.312 Total						262,760	191,894
45.313 LAURA BUSH 21ST CENTURY LIBRARIAN PROGRAM			DIRECT	NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH)		29,540	
45.313 Total						29,540	
47.079 OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	COVID-19		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	A137222		(5,639)
47.079 Total							(5,639)
59.037 SMALL BUSINESS DEVELOPMENT CENTERS			DIRECT	SMALL BUSINESS ADMINISTRATION (SBA)		2,442,398	
59.037 SMALL BUSINESS DEVELOPMENT CENTERS			PASS THROUGH	CALIFORNIA STATE UNIVERSITY FULLERTON/CSU FULLERTON AUXILIARY	013023	90,634	
59.037 SMALL BUSINESS DEVELOPMENT CENTERS			PASS THROUGH	CALIFORNIA STATE UNIVERSITY FULLERTON/CSU FULLERTON AUXILIARY	013657	91,011	
59.037 Total						2,624,043	1,452,003
59.075 SHUTTERED VENUE OPERATORS GRANT PROGRAM	COVID-19		DIRECT	SMALL BUSINESS ADMINISTRATION (SBA)		507,812	
59.075 SHUTTERED VENUE OPERATORS GRANT PROGRAM			DIRECT	SMALL BUSINESS ADMINISTRATION (SBA)		92,949	
59.075 Total						600,761	
64.U01 FEDERAL CONTRACTS			DIRECT	DEPARTMENT OF VETERANS ADMINISTRATION		80,744	
64.U01 Total						80,744	
66.001 AIR POLLUTION CONTROL PROGRAM SUPPORT			PASS THROUGH	AIR RESOURCES BOARD	012887	43,405	
66.001 Total						43,405	
66.509 SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM			DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		19,358	
66.509 SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM			PASS THROUGH	PUBLIC HEALTH INSTITUTE	03721-AR07336	11,373	
66.509 Total						30,731	
66.808 SOLID WASTE MANAGEMENT ASSISTANCE GRANTS			DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		80,795	
66.808 Total						80,795	
66.U01 FEDERAL CONTRACTS			DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		15,000	
66.U01 Total						15,000	
66.U02 FEDERAL CONTRACTS			DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		15,000	
66.U02 Total						15,000	
66.U03 FEDERAL CONTRACTS			DIRECT	ENVIRONMENTAL PROTECTION AGENCY (EPA)		3,202,189	666,806
66.U03 Total						3,202,189	666,806
81.049 OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM			DIRECT	DEPARTMENT OF ENERGY (DOE)		101,292	
81.049 OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM			PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B650110	9,808	
81.049 OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM			PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B652497	38,021	
81.049 Total						149,121	
81.136 LONG-TERM SURVEILLANCE AND MAINTENANCE			DIRECT	DEPARTMENT OF ENERGY (DOE)		129,581	

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81.136 Total						129,581	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL TECHNOLOGY & ENGINEERING SOLUTIONS OF SANDIA, LLC	2256620	4,972	
81.RD	FEDERAL CONTRACTS		PASS THROUGH	SLAC NATIONAL ACCELERATOR LABORATORY	208519	9,145	
81.RD Total						14,117	
81.U01	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF ENERGY (DOE)		(67,650)	
81.U01 Total						(67,650)	
81.U02	FEDERAL CONTRACTS		PASS THROUGH	KRELL INSTITUTE	A22-2659	19,378	
81.U02 Total						19,378	
81.U03	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B643827	1,398	
81.U03 Total						1,398	
81.U04	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	A20-3661	29,620	
81.U04 Total						29,620	
81.U05	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B637431	(71)	
81.U05 Total						(71)	
81.U06	FEDERAL CONTRACTS		PASS THROUGH	LAWRENCE LIVERMORE NATIONAL SECURITY, LLC	B618798	71	
81.U06 Total						71	
81.U07	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		2,184	
81.U07 Total						2,184	
81.U08	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		377,135	
81.U08 Total						377,135	
81.U09	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		77,896	
81.U09 Total						77,896	
81.U10	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		6,520	
81.U10 Total						6,520	
81.U11	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		12,005	
81.U11 Total						12,005	
81.U12	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		644	
81.U12 Total						644	
81.U13	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		8,808	
81.U13 Total						8,808	
81.U14	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		29,640	
81.U14 Total						29,640	
81.U15	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		40,236	
81.U15 Total						40,236	
81.U16	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		11,420	
81.U16 Total						11,420	
81.U17	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		13,278	
81.U17 Total						13,278	
81.U18	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		18,414	
81.U18 Total						18,414	
81.U19	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		9,466	
81.U19 Total						9,466	
81.U20	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		26,110	
81.U20 Total						26,110	

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81.U21	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		30,291	
81.U21 Total						30,291	
81.U22	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		23,750	
81.U22 Total						23,750	
81.U23	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		46,073	
81.U23 Total						46,073	
81.U24	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		21,349	
81.U24 Total						21,349	
81.U25	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		61,478	
81.U25 Total						61,478	
81.U26	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		7,945	
81.U26 Total						7,945	
81.U27	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		18,160	
81.U27 Total						18,160	
81.U28	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		2,657	
81.U28 Total						2,657	
81.U29	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		17,394	
81.U29 Total						17,394	
81.U30	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		110,292	
81.U30 Total						110,292	
81.U31	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		5,359	
81.U31 Total						5,359	
81.U32	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		383	
81.U32 Total						383	
81.U33	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		28,220	
81.U33 Total						28,220	
81.U34	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		25,550	
81.U34 Total						25,550	
81.U35	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		9,161	
81.U35 Total						9,161	
81.U36	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		19,950	
81.U36 Total						19,950	
81.U37	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		2,501	
81.U37 Total						2,501	
81.U38	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		2,620	
81.U38 Total						2,620	
81.U39	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		1,874,326	
81.U39 Total						1,874,326	
81.U40	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		10,830	
81.U40 Total						10,830	
81.U41	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		4,941	
81.U41 Total						4,941	
81.U42	FEDERAL CONTRACTS		DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		60,253	

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81.U42 Total						60,253	
81.U43 FEDERAL CONTRACTS			DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		(6,963)	
81.U43 Total						(6,963)	
81.U44 FEDERAL CONTRACTS			DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		(230)	
81.U44 Total						(230)	
81.U45 FEDERAL CONTRACTS			DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		25,708	
81.U45 Total						25,708	
81.U46 FEDERAL CONTRACTS			DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		12,000	
81.U46 Total						12,000	
81.U47 FEDERAL CONTRACTS			DIRECT	LBNL LAWRENCE BERKELEY NATIONAL LABORATORY		142,295	
81.U47 Total						142,295	
84.015 NATIONAL RESOURCE CENTERS PROGRAM FOR FOREIGN LANGUAGE AND AREA STUDIES OR FOREIGN LANGUAGE AND INTERNATIONAL STUDIES PROGRAM AND FOREIGN LANGUAGE AND AREA STUDIES FELLOWSHIP PROGRAM			DIRECT	DEPARTMENT OF EDUCATION (ED)			
84.015 Total						968,152	
84.015 Total						968,152	
84.021 OVERSEAS PROGRAMS - GROUP PROJECTS ABROAD			DIRECT	DEPARTMENT OF EDUCATION (ED)		92,908	
84.021 Total						92,908	
84.031 HIGHER EDUCATION INSTITUTIONAL AID			DIRECT	DEPARTMENT OF EDUCATION (ED)		2,474,466	
84.031 HIGHER EDUCATION INSTITUTIONAL AID			PASS THROUGH	CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS FOUNDATION	F20-212	1,349	
84.031 HIGHER EDUCATION INSTITUTIONAL AID			PASS THROUGH	SANTA MONICA COLLEGE	A121646NC	(32)	
84.031 HIGHER EDUCATION INSTITUTIONAL AID			PASS THROUGH	SANTA MONICA COLLEGE	A172125SF4	1,069	
84.031 Total						2,476,852	
84.126 REHABILITATION SERVICES-VOCATIONAL REHABILITATION GRANTS TO STATES			PASS THROUGH	CALIFORNIA DEPARTMENT OF REHABILITATION	A128200		
84.126 Total						(6,540)	
84.126 Total						(6,540)	
84.165 MAGNET SCHOOLS ASSISTANCE			DIRECT	DEPARTMENT OF EDUCATION (ED)		59,778	
84.165 MAGNET SCHOOLS ASSISTANCE			PASS THROUGH	LEARN REGIONAL EDUCATIONAL SERVICE CENTER	20213582	131,422	
84.165 Total						191,200	
84.200 GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED			DIRECT	DEPARTMENT OF EDUCATION (ED)		3,683,398	
84.200 Total						3,683,398	
84.229 LANGUAGE RESOURCE CENTERS			DIRECT	DEPARTMENT OF EDUCATION (ED)		238,719	
84.229 Total						238,719	
84.287 TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS			PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	19-14349-30010-2A	897,783	329,657
84.287 TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS			PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	1914765300102A	35,385	
84.287 TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS			PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	2022-25607-30010-00	255,280	
84.287 TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS			PASS THROUGH	LOS ANGELES UNIFIED SCHOOL DISTRICT	4400007308	2,841	
84.287 TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS			PASS THROUGH	LOS ANGELES UNIFIED SCHOOL DISTRICT	02-464	(259)	
84.287 TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS			PASS THROUGH	LOS ANGELES UNIFIED SCHOOL DISTRICT	4400007308	184,363	
84.287 TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS			PASS THROUGH	LOS ANGELES UNIFIED SCHOOL DISTRICT	4400007308/7308-4.2	347,971	
84.287 TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS			PASS THROUGH	LOS ANGELES UNIFIED SCHOOL DISTRICT	7308-4.1	827,190	
84.287 TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS			PASS THROUGH	LOS ANGELES UNIFIED SCHOOL DISTRICT	7308-4.4	2,102	
84.287 TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS			PASS THROUGH	LOS ANGELES UNIFIED SCHOOL DISTRICT	C-119744	(155,908)	
84.287 TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS			PASS THROUGH	LOS ANGELES UNIFIED SCHOOL DISTRICT	PEPMO-UCLA-PS01	(568)	
84.287 Total						2,396,180	329,657
84.295 READY-TO-LEARN TELEVISION			PASS THROUGH	EDUCATION DEVELOPMENT CENTER, INC.	11972	(374)	
84.295 READY-TO-LEARN TELEVISION			PASS THROUGH	PUBLIC BROADCASTING SERVICE	20154615	27,094	
84.295 READY-TO-LEARN TELEVISION			PASS THROUGH	PUBLIC BROADCASTING SERVICE	61519:3	491,085	
84.295 Total						517,805	
84.305 EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION			DIRECT	DEPARTMENT OF EDUCATION (ED)		161,705	

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84.305 Total						161,705	
84.334	GAINING EARLY AWARENESS AND READINESS FOR UNDERGRADUATE PROGRAMS		DIRECT	DEPARTMENT OF EDUCATION (ED)		10,266,959	
84.334	GAINING EARLY AWARENESS AND READINESS FOR UNDERGRADUATE PROGRAMS		PASS THROUGH	LOS ANGELES UNIFIED SCHOOL DISTRICT	1200264	(189)	
84.334 Total						10,266,770	
84.335	CHILD CARE ACCESS MEANS PARENTS IN SCHOOL		DIRECT	DEPARTMENT OF EDUCATION (ED)		1,028,404	
84.335 Total						1,028,404	
84.336	TEACHER QUALITY PARTNERSHIP GRANTS		DIRECT	DEPARTMENT OF EDUCATION (ED)		1,400,189	
84.336 Total						1,400,189	
84.365	ENGLISH LANGUAGE ACQUISITION STATE GRANTS	COVID-19	DIRECT	DEPARTMENT OF EDUCATION (ED)		404,106	
84.365	ENGLISH LANGUAGE ACQUISITION STATE GRANTS		DIRECT	DEPARTMENT OF EDUCATION (ED)		1,699,278	237,866
84.365	ENGLISH LANGUAGE ACQUISITION STATE GRANTS		PASS THROUGH	ARIZONA STATE UNIVERSITY	T3652170170	35,285	
84.365	ENGLISH LANGUAGE ACQUISITION STATE GRANTS		PASS THROUGH	SANTA BARBARA UNIFIED SCHOOL DISTRICT	20030	3,268	
84.365 Total						2,141,937	237,866
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		DIRECT	DEPARTMENT OF EDUCATION (ED)		144,808	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	156643001	3,256,950	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	3E+14	921,232	886,582
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	3E+14	1,074,783	1,025,575
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	013774	9,521	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	156643001	1,909,232	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	ESSA19-CMP-SO	(747)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	ESSA20-CHSSP-UCLA	275	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	ESSA20-CMP-UCLA	(178)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	ESSA20-CRLP-UCLA	(415)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	ESSA20-CWP-UCLA	(298)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA SUBJECT MATTER PROJECT	CN220185	68	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	012916	(2,346)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	013649	8,491	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	A22-0233-002	(29,386)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	A22-0250-001	(10,526)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	A22-0747-001	(4,344)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	A22-0748-001	(15,514)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	A23-0257-001	18,177	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	A23-0260-001	24,527	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	A23-0265-001	15,650	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	CN220185	45,000	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA18-CWP-UCB	161	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA19-CRLP-UCB	13	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA21-CHSSP-SO	(25,310)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA21-CHSSP-UCD	(23,022)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA21-CRLP-UCB	(4,171)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA21-CVLP-UCB	(7,813)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA21-CWP-UCB	(3,788)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA21-CWP-UCD	(6,557)	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	ESSA22-CHSSP-SO	43,127	
84.367	SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	NCLB13-CHSSP-UCB	159	
84.367 Total						7,337,759	1,912,157
84.368	COMPETITIVE GRANTS FOR STATE ASSESSMENTS (FORMERLY GRANTS FOR ENHANCED ASSESSMENT INSTRUMENTS)		PASS THROUGH	IOWA DEPARTMENT OF EDUCATION	S368A190007	2,093,602	
84.368 Total						2,093,602	
84.382	STRENGTHENING MINORITY-SERVING INSTITUTIONS		DIRECT	DEPARTMENT OF EDUCATION (ED)		(437)	
84.382 Total						(437)	
84.407	TRANSITION PROGRAMS FOR STUDENTS WITH INTELLECTUAL DISABILITIES INTO HIGHER EDUCATION		DIRECT	DEPARTMENT OF EDUCATION (ED)		482,095	
84.407 Total						482,095	

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84.422	AMERICAN HISTORY AND CIVICS EDUCATION		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, FRESNO	SC330402-17-01	20,993	
84.422 Total						20,993	
84.424	STUDENT SUPPORT AND ACADEMIC ENRICHMENT PROGRAM		PASS THROUGH	LOS ANGELES COUNTY OFFICE OF EDUCATION	600125	686,567	
84.424 Total						686,567	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	DIRECT	DEPARTMENT OF EDUCATION (ED)		88,282	79,577
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	000705300	(33,081)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	012575	(186,163)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	012991	(2,793)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	20213283-01	(27,666)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	21CSMP-ESSER-CHSSP	(176,660)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	21CSMP-ESSER-CMP	(225,718)	243,071
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	21CSMP-ESSER-CWP	(50,547)	142,114
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	300000021106517	1,024,135	1,024,135
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	A22-0349-001	(6,093)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	A22-0619-001	(25,000)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	A22-0800-S002	(748)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	A22-0800-S003	(84,340)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	MC2246	(24,996)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	MC2265	(1,486)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	MCA2248	(11,215)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	S-001572	(21,912)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA MATHEMATICS PROJECT	SUB 20213283 ( CN210021 )	(1,093)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	A22-0293-001	(1,750)	
84.425D	COVID-19 ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION CURRICULUM AND INSTRUCTION	A22-0800-S001	(13,140)	
84.425D Total						218,016	1,488,897
84.425E	COVID-19 HIGHER EDUCATION EMERGENCY RELIEF FUND (HEERF) STUDENT AID PORTION	COVID-19	DIRECT	DEPARTMENT OF EDUCATION (ED)		23,682,850	
84.425E Total						23,682,850	
84.425F	COVID-19 HIGHER EDUCATION EMERGENCY RELIEF FUND (HEERF) INSTITUTIONAL AID PORTION	COVID-19	DIRECT	DEPARTMENT OF EDUCATION (ED)		79,516,059	
84.425F Total						79,516,059	
84.425L	COVID-19 HIGHER EDUCATION EMERGENCY RELIEF FUND (HEERF) MINORITY SERVING INSTITUTIONS	COVID-19	DIRECT	DEPARTMENT OF EDUCATION (ED)		8,966,073	
84.425L Total						8,966,073	
84.425S	COVID-19 HEERF SUPPLEMENTAL ASSISTANCE TO INSTITUTIONS HIGHER EDUCATION (SAIHE) PROGRAM	COVID-19	DIRECT	DEPARTMENT OF EDUCATION (ED)		20,070	
84.425S Total						20,070	

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84.425U	COVID-19 AMERICAN RESCUE PLAN ELEMENTARY AND SECONDARY SCHOOL EMERGENCY RELIEF FUND (ARP ESSER)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	221565230010ES	10,238	
84.425U Total						10,238	
84.425 Total						112,413,306	1,488,897
84.U01	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF EDUCATION	A23-1027	39,089	
84.U01 Total						39,089	
84.U02	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF EDUCATION (ED)		384,072	
84.U02 Total						384,072	
84.U03	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF EDUCATION (ED)		173	
84.U03 Total						173	
89.003	NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS		DIRECT	NATIONAL ARCHIVES AND RECORDS ADMINISTRATION		124,598	
89.003 Total						124,598	
93.059	TRAINING IN GENERAL, PEDIATRIC, AND PUBLIC HEALTH DENTISTRY		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,592,224	
93.059 Total						1,592,224	
93.067	GLOBAL AIDS	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,142,524	
93.067	GLOBAL AIDS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		18,862,130	
93.067	GLOBAL AIDS		PASS THROUGH	HAITIAN CENTER FOR THE STRENGTHENING OF THE HEALTH SYSTEM	A136119	546,710	
93.067	GLOBAL AIDS		PASS THROUGH	MAKERERE UNIVERSITY	A135941	326,453	
93.067	GLOBAL AIDS		PASS THROUGH	MAKERERE UNIVERSITY	METS-A-01	(3,290)	
93.067	GLOBAL AIDS		PASS THROUGH	MAKERERE UNIVERSITY	METS-C-01	(3,290)	
93.067	GLOBAL AIDS		PASS THROUGH	MAKERERE UNIVERSITY	METS-D-01	(3,290)	
93.067	GLOBAL AIDS		PASS THROUGH	UNIVERSITY OF WASHINGTON	7862_UCLA:7	170,057	
93.067 Total						21,038,004	4,088,011
93.068	CHRONIC DISEASES: RESEARCH, CONTROL, AND PREVENTION		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		4,271	
93.068 Total						4,271	
93.074	HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE AGREEMENTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	18-10040		
93.074	HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE AGREEMENTS		PASS THROUGH	COUNTY OF LOS ANGELES	H-705761		3,121,705
93.074	HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE AGREEMENTS		PASS THROUGH	COUNTY OF LOS ANGELES	H-705762		(13,455)
93.074	HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE AGREEMENTS		PASS THROUGH	LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES	H-707439		160,263
93.074 Total						2,294	
93.074 Total						3,270,807	
93.080	BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		210,328	
93.080	BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH		PASS THROUGH	PUBLIC HEALTH INSTITUTE	02478		2,516
93.080	BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIX2020CDC-BCH-03		25,178
93.080	BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIX2020CDC-USCF-03		26,666
93.080 Total						264,688	
93.080 Total						47,776	
93.084	PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		740,584	
93.084 Total						740,584	
93.090	GUARDIANSHIP ASSISTANCE		PASS THROUGH	COUNTY OF SANTA BARBARA	C000113800	105	
93.090 Total						105	

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93.092	AFFORDABLE CARE ACT (ACA) PERSONAL RESPONSIBILITY EDUCATION PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)			(680)
93.092 Total							(680)
93.098	TRIBAL PUBLIC HEALTH CAPACITY BUILDING AND QUALITY IMPROVEMENT		PASS THROUGH	NATIONAL COUNCIL FOR BEHAVIORAL HEALTH	A123610		(16)
93.098 Total							(16)
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,668,188	363,358
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH		PASS THROUGH	CHILDREN'S HOSPITAL LOS ANGELES	A137457	760	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH		PASS THROUGH	DUKE UNIVERSITY	234691/240919	4,478	
93.103	FOOD AND DRUG ADMINISTRATION RESEARCH		PASS THROUGH	YALE NEW HAVEN HEALTH SERVICES CORPORATION	A137325	3,100	
93.103 Total						1,676,526	363,358
93.107	AREA HEALTH EDUCATION CENTERS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,551,257	1,112,917
93.107 Total						1,551,257	1,112,917
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		4,898,459	840,084
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		PASS THROUGH	IMMUNE DEFICIENCY FOUNDATION	A136216	175,219	34,323
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		PASS THROUGH	UNIVERSITY HOSPITALS HEALTH SYSTEM, INC	2021-1037	1,765,061	42,282
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		PASS THROUGH	UNIVERSITY HOSPITALS HEALTH SYSTEM, INC	U1143532	10,610	
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIX2012RSA - UCD - 11	19,848	
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIX2012RSA-BCH-1	39,331	
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIX2012RSA-UCSF	23,564	
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIX2012RSA-UCSF-11	34,069	
93.110	MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIXRSA2012-BCHO-08	(2,199)	(1,074)
93.110 Total						6,963,962	915,615
93.116	PROJECT GRANTS AND COOPERATIVE AGREEMENTS FOR TUBERCULOSIS CONTROL PROGRAMS		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	17-10035	1,004,243	
93.116 Total						1,004,243	
93.117	PREVENTIVE MEDICINE RESIDENCY		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		410,689	
93.117 Total						410,689	
93.127	EMERGENCY MEDICAL SERVICES FOR CHILDREN		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		730,513	190,496
93.127	EMERGENCY MEDICAL SERVICES FOR CHILDREN		PASS THROUGH	RHODE ISLAND HOSPITAL	7017137490	379,708	
93.127 Total						1,110,221	190,496
93.129	TECHNICAL AND NON-FINANCIAL ASSISTANCE TO HEALTH CENTERS		PASS THROUGH	COMMUNITY HEALTH CENTER, INC	100218-FY22	19,005	
93.129 Total						19,005	
93.135	CENTERS FOR RESEARCH AND DEMONSTRATION FOR HEALTH PROMOTION AND DISEASE PREVENTION		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		(3,413)	(3,413)
93.135 Total						(3,413)	(3,413)
93.137	COMMUNITY PROGRAMS TO IMPROVE MINORITY HEALTH GRANT PROGRAM		PASS THROUGH	THE AMELIA ANN ADAMS WHOLE LIFE CENTER	OASH01	18,886	
93.137 Total						18,886	
93.145	HIV-RELATED TRAINING AND TECHNICAL ASSISTANCE	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		-	
93.145	HIV-RELATED TRAINING AND TECHNICAL ASSISTANCE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		7,766,202	1,249,689
93.145	HIV-RELATED TRAINING AND TECHNICAL ASSISTANCE		PASS THROUGH	CICATELLI ASSOCIATES INC	20201345	884,985	
93.145	HIV-RELATED TRAINING AND TECHNICAL ASSISTANCE		PASS THROUGH	HEALTH RESEARCH, INC.	A136724	11,589	
93.145	HIV-RELATED TRAINING AND TECHNICAL ASSISTANCE		PASS THROUGH	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY	2415	317,747	
93.145 Total						8,980,523	1,249,689
93.153	COORDINATED SERVICES AND ACCESS TO RESEARCH FOR WOMEN, INFANTS, CHILDREN, AND YOUTH (RYAN WHITE PROGRAM PART D WOMEN, INFANTS, CHILDREN AND YOUTH WICY PROGRAM)		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		180,986	128,736

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93.153 Total						180,986	128,736
93.157 CENTERS OF EXCELLENCE	CENTERS OF EXCELLENCE	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		46	
93.157 CENTERS OF EXCELLENCE	CENTERS OF EXCELLENCE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,185,512	73,608
93.157 CENTERS OF EXCELLENCE	CENTERS OF EXCELLENCE		PASS THROUGH	CITY AND COUNTY OF SAN FRANCISCO	BPHC11000112	(16)	
93.157 CENTERS OF EXCELLENCE	CENTERS OF EXCELLENCE		PASS THROUGH	OREGON HEALTH & SCIENCE UNIVERSITY	D34HP31026	26,980	
93.157 Total						1,212,522	73,608
93.161 HEALTH PROGRAM FOR TOXIC SUBSTANCES AND DISEASE REGISTRY	HEALTH PROGRAM FOR TOXIC SUBSTANCES AND DISEASE REGISTRY		PASS THROUGH	AMERICAN ACADEMY OF PEDIATRICS	100754\101032	493,844	
93.161 Total						493,844	
93.178 NURSING WORKFORCE DIVERSITY	NURSING WORKFORCE DIVERSITY		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		294,671	142,300
93.178 Total						294,671	142,300
93.191 GRADUATE PSYCHOLOGY EDUCATION	GRADUATE PSYCHOLOGY EDUCATION		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		386,769	
93.191 Total						386,769	
93.197 CHILDHOOD LEAD POISONING PREVENTION PROJECTS, STATE AND LOCAL LEVELS IN CHILDREN	CHILDHOOD LEAD POISONING PREVENTION PROJECTS, STATE AND LOCAL LEVELS IN CHILDREN		PASS THROUGH	MICHIGAN STATE UNIVERSITY	RC107653-UCSF		1,084
93.197 CHILDHOOD LEAD POISONING PREVENTION AND SURVEILLANCE OF BLOOD LEAD LEVELS IN CHILDREN	CHILDHOOD LEAD POISONING PREVENTION AND SURVEILLANCE OF BLOOD LEAD LEVELS IN CHILDREN		PASS THROUGH	MICHIGAN STATE UNIVERSITY	RC113817 - UCSF		3,663
93.197 Total						4,747	
93.217 FAMILY PLANNING-SERVICES	FAMILY PLANNING-SERVICES		PASS THROUGH	ESSENTIAL ACCESS HEALTH	1324-5320-70209	131,472	
93.217 Total						131,472	
93.226 RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		488,066	195,462
93.226 RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	A129437	115,804	
93.226 RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	SAEM RESEARCH FOUNDATION	A140731 UCSF	4,416	
93.226 RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	UNIVERSITY OF PITTSBURGH	AWD00004483 (136450-2)	13,281	
93.226 RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES		PASS THROUGH	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	SA0001752	189,598	
93.226 Total						811,165	195,462
93.241 STATE RURAL HOSPITAL FLEXIBILITY PROGRAM	STATE RURAL HOSPITAL FLEXIBILITY PROGRAM		PASS THROUGH	NATIONAL ASSOCIATION OF CHRONIC DISEASE DIRECTORS	210380	35,994	
93.241 Total						35,994	
93.243 SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		14,070,158	4,233,338
93.243 SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	AMERICAN ACADEMY OF ADDICTION PSYCHIATRY	20223534	49,285	
93.243 SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	AZUSA PACIFIC UNIVERSITY	H79T1082546-01-01	(888)	
93.243 SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	COUNTY OF SACRAMENTO	7202400-23/27-236	82,464	
93.243 SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	INTERNATIONAL RESCUE COMMITTEE, INC	1H795M085130-01	40,511	
93.243 SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	NATIONWIDE CHILDREN'S HOSPITAL	710068-0923-00	38,389	
93.243 SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	PACIFIC BEHAVIORAL HEALTH COLLABORATING COUNCIL	2018-002	46	
93.243 SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	ST. JOSEPH CENTER	UCLA-5H79T1080567	35,761	
93.243 SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	SUNRISE COMMUNITY COUNSELING CENTER	20174448	7,868	
93.243 SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	UNIVERSITY OF MISSOURI	0011106/00077847	(50,804)	
93.243 SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	UNIVERSITY OF MISSOURI	00118574/00079829	332,962	
93.243 SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	UNIVERSITY OF NEVADA, RENO	UNR-23-39	1,727	
93.243 SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE		PASS THROUGH	UNIVERSITY OF WISCONSIN-MADISON	WU-23-0157	12,888	
93.243 Total						14,620,367	4,233,338

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93.247	ADVANCED NURSING EDUCATION WORKFORCE GRANT PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		949,220	
93.247	ADVANCED NURSING EDUCATION WORKFORCE GRANT PROGRAM		PASS THROUGH	PETALUMA HEALTH CENTER	GM110	18,449	
93.247 Total						967,669	
93.250	GERIATRIC ACADEMIC CAREER AWARDS DEPARTMENT OF HEALTH AND HUMAN SERVICES		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		87,904	
93.250 Total						87,904	
93.253	POISON CENTER SUPPORT AND ENHANCEMENT GRANT	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		47	
93.253	POISON CENTER SUPPORT AND ENHANCEMENT GRANT		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		2,286,221	
93.253 Total						2,286,268	
93.262	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,692,308	33,160
93.262	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		PASS THROUGH	CPWR - THE CENTER FOR CONSTRUCTION RESEARCH AND TRAINING	3001-1412	200,154	78,750
93.262	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		PASS THROUGH	UNIVERSITY OF UTAH	10060337-02-UCLA	34,247	
93.262 Total						1,926,709	111,910
93.266	HEALTH SYSTEMS STRENGTHENING AND HIV/AIDS PREVENTION, CARE AND TREATMENT UNDER THE PRESIDENT'S EMERGENCY PLAN FOR AIDS RELIEF		PASS THROUGH	JHPIEGO	UH60A45170/22-SBA-237		
93.266 Total						150,018	150,018
93.268	IMMUNIZATION COOPERATIVE AGREEMENTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	23-10430	1,500	
93.268	IMMUNIZATION COOPERATIVE AGREEMENTS		PASS THROUGH	SIERRA HEALTH FOUNDATION	013242	5,772	
93.268 Total						7,272	
93.283	CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		288,580	
93.283	CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE		PASS THROUGH	AMERICAN COLLEGE HEALTH ASSOCIATION	013150	3,000	
93.283	CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE		PASS THROUGH	APIN PUBLIC HEALTH INITIATIVES LTD./GTE	GH21- 2147- PHIS3 PROJECT	179,793	
93.283	CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	17-10097	(14,924)	
93.283	CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE	COVID-19	PASS THROUGH	UNIVERSITY OF FLORIDA	NU21IP000597	313,988	153,021
93.283 Total						770,437	153,021
93.297	TEENAGE PREGNANCY PREVENTION PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		973,718	567,250
93.297 Total						973,718	567,250
93.300	NATIONAL CENTER FOR HEALTH WORKFORCE ANALYSIS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		586,890	86,838
93.300	NATIONAL CENTER FOR HEALTH WORKFORCE ANALYSIS		PASS THROUGH	HEALTH RESEARCH, INC.	4925-04	76,958	
93.300	NATIONAL CENTER FOR HEALTH WORKFORCE ANALYSIS		PASS THROUGH	HEALTH RESEARCH, INC.	4925-09	132,363	
93.300 Total						796,211	86,838
93.317	EMERGING INFECTIONS PROGRAMS		PASS THROUGH	HELUNA HEALTH	235.013.920	66,358	
93.317 Total						66,358	
93.318	PROTECTING AND IMPROVING HEALTH GLOBALLY: BUILDING AND STRENGTHENING PUBLIC HEALTH IMPACT, SYSTEMS, CAPACITY AND SECURITY	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		57,499	
93.318	PROTECTING AND IMPROVING HEALTH GLOBALLY: BUILDING AND STRENGTHENING PUBLIC HEALTH IMPACT, SYSTEMS, CAPACITY AND SECURITY		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,686,945	21,300
93.318 Total						1,744,444	21,300
93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	COVID-19	PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	20-11036	489,932	
93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)		PASS THROUGH	HELUNA HEALTH	0187.0150	260,000	
93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)		PASS THROUGH	HELUNA HEALTH	0187.1808/1809/1810	65,586	

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93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)		PASS THROUGH	HELUNA HEALTH	0187.2030	28,012	
93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)		PASS THROUGH	HELUNA HEALTH	0187.2607	65,176	
93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	COVID-19	PASS THROUGH	HELUNA HEALTH	0187.3308	21,995	
93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)		PASS THROUGH	HELUNA HEALTH	0187.3608	314,722	
93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)		PASS THROUGH	HELUNA HEALTH	SNU50CK000539-03-00	57,280	
93.323	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	COVID-19	PASS THROUGH	HELUNA HEALTH	A22-3286	270,328	
93.323 Total						1,573,031	
93.354	PUBLIC HEALTH EMERGENCY RESPONSE: COOPERATIVE AGREEMENT FOR EMERGENCY RESPONSE: PUBLIC HEALTH CRISIS RESPONSE		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	19-11143	2,325,486	
93.354 Total						2,325,486	
93.358	ADVANCED EDUCATION NURSING TRAINEESHIPS		PASS THROUGH	FAMILY HEALTH CENTERS OF SAN DIEGO, INC	Sub none(HP29857)	55,852	
93.358 Total						55,852	
93.359	NURSE EDUCATION, PRACTICE QUALITY AND RETENTION GRANTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		692,809	
93.359 Total						692,809	
93.365	SICKLE CELL TREATMENT DEMONSTRATION PROGRAM		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIX2014HRSA-UCSF-08	215,012	
93.365	SICKLE CELL TREATMENT DEMONSTRATION PROGRAM		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	CIBDIX2021HRSA-UCSF-09	17,421	
93.365	SICKLE CELL TREATMENT DEMONSTRATION PROGRAM		PASS THROUGH	CENTER FOR COMPREHENSIVE CARE & DIAGNOSIS OF INHERITED BLOOD DISORDERS	U1E27862	55,109	
93.365 Total						287,542	
93.391	ACTIVITIES TO SUPPORT STATE, TRIBAL, LOCAL AND TERRITORIAL (STLT) HEALTH DEPARTMENT RESPONSE TO PUBLIC HEALTH OR HEALTHCARE CRISES		PASS THROUGH	SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH	CDC Health Disparities	549,404	
93.391 Total						549,404	62,286
93.421	STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND PROTECT THE NATION'S HEALTH		PASS THROUGH	AMERICAN ACADEMY OF PEDIATRICS	PO# 101101	71,812	
93.421	STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND PROTECT THE NATION'S HEALTH		PASS THROUGH	ASIAN & PACIFIC ISLANDER AMERICAN HEALTH FORUM	UCSF-TB2021-S256	2,697	
93.421	STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND PROTECT THE NATION'S HEALTH		PASS THROUGH	CITY AND COUNTY OF SAN FRANCISCO	1000026141	44,420	
93.421	STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND PROTECT THE NATION'S HEALTH		PASS THROUGH	NATIONAL ASSOCIATION OF CHRONIC DISEASE DIRECTORS	210379	15,145	
93.421	STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND PROTECT THE NATION'S HEALTH		PASS THROUGH	NATIONAL ASSOCIATION OF COUNTY AND CITY HEALTH OFFICIALS	2021-112202	51,271	
93.421 Total						185,345	
93.426	IMPROVING THE HEALTH OF AMERICANS THROUGH PREVENTION AND MANAGEMENT OF DIABETES AND HEART DISEASE AND STROKE		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	20-10283	167,828	
93.426 Total						167,828	
93.439	STATE PHYSICAL ACTIVITY AND NUTRITION (SPAN)		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	19-10398	107,490	
93.439 Total						107,490	
93.456	CDC UNDERGRADUATE PUBLIC HEALTH SCHOLARS PROGRAM (CUPS): A PUBLIC HEALTH EXPERIENCE TO EXPOSE UNDERGRADUATES INTERESTED IN MINORITY HEALTH TO PUBLIC HEALTH AND THE PUBLIC HEALTH PROFESSIONS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		998,448	

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93.456	CDC UNDERGRADUATE PUBLIC HEALTH SCHOLARS PROGRAM (CUPS): A PUBLIC HEALTH EXPERIENCE TO EXPOSE UNDERGRADUATES INTERESTED IN MINORITY HEALTH TO PUBLIC HEALTH AND THE PUBLIC HEALTH PROFESSIONS		PASS THROUGH	KENNEDY KRIEGER INSTITUTE	NU50CD300866		24,939
93.456	CDC UNDERGRADUATE PUBLIC HEALTH SCHOLARS PROGRAM (CUPS): A PUBLIC HEALTH EXPERIENCE TO EXPOSE UNDERGRADUATES INTERESTED IN MINORITY HEALTH TO PUBLIC HEALTH AND THE PUBLIC HEALTH PROFESSIONS		PASS THROUGH	KENNEDY KRIEGER INSTITUTE	NU50MN00004		32,607
93.456 Total							1,055,994
93.493	CONGRESSIONAL DIRECTIVES		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)			465,963
93.493 Total							465,963
93.498	PROVIDER RELIEF FUND AND AMERICAN RESCUE PLAN (ARP) RURAL DISTRIBUTION	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)			43,221,400
93.498 Total							43,221,400
93.516	PUBLIC HEALTH TRAINING CENTERS PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)			443,782
93.516	PUBLIC HEALTH TRAINING CENTERS PROGRAM		PASS THROUGH	UNIVERSITY OF ARIZONA	455319		17,418
93.516 Total							461,200
93.556	PROMOTING SAFE AND STABLE FAMILIES		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	20-3038		348,179
93.556	PROMOTING SAFE AND STABLE FAMILIES		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	22-3014		2,585,848
93.556	PROMOTING SAFE AND STABLE FAMILIES		PASS THROUGH	LOS ANGELES COUNTY DEPARTMENT OF CHILDREN AND FAMILY SERVICE	20-01-05		291,394
93.556	PROMOTING SAFE AND STABLE FAMILIES		PASS THROUGH	OREGON DEPARTMENT OF EDUCATION	14386		164,904
93.556 Total							3,390,325
93.566	REFUGEE AND ENTRANT ASSISTANCE-STATE ADMINISTERED PROGRAMS		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	17-10015		161
93.566 Total							161
93.583	REFUGEE AND ENTRANT ASSISTANCE WILSON/FISH PROGRAM		PASS THROUGH	COLUMBIA UNIVERSITY IRVING MEDICAL CENTER	SUB 17(GG014929) (NS078059)		15,704
93.583 Total							15,704
93.604	ASSISTANCE FOR TORTURE VICTIMS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)			262,787
93.604 Total							262,787
93.631	DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE		PASS THROUGH	ALZHEIMER'S ASSOCIATION CALIFORNIA SOUTHLAND CHAPTER	90ADP10035-01-00		(1,179)
93.631 Total							(1,179)
93.645	STEPHANIE TUBBS JONES CHILD WELFARE SERVICES PROGRAM		PASS THROUGH	COUNTY OF INYO	C000114369		29,371
93.645 Total							29,371
93.658	FOSTER CARE-TITLE IV-E		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)			89,059
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	17-3027		(287,600)
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	18-3016		(25,655)
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	20-3019		8,836,250
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	21-3012		3,705,671
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	21-3017		3,819,546
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	CALIFORNIA DEPARTMENT OF SOCIAL SERVICES	22-3033		20,392,345
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	CHABOT-LAS POSITAS COMMUNITY COLLEGE DISTRICT	C000114361		16,087,475
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF ALAMEDA	900159/23359		10,473
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF CONTRA COSTA	20-381-0		123,007
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF FRESNO	C000113942		(544)
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF GLENN	C000114167		(2)
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF GLENN	C000114342		(2,087)
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF LASSEN	C000114051		177,243
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF MADERA	C000114246		(5,699)
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF MADERA	C000114331		4,912
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF MENDOCINO	C000114029		48,732
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF MENDOCINO	C000114049		(744)
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF MENDOCINO	C000114156		510
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF MENDOCINO	C000114224		(712)
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF MENDOCINO	C000114224		49
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF MENDOCINO	C000114319		20,293
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF MENDOCINO	GENT-2022-46		4,938
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF MERCED	C000114209		1,590

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93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF MERCED	C000114210	10,276	
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF MERCED	C000114340	33,992	
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF NAPA	C000114192	(7)	
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF NEVADA	C000113769	(43)	
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF NEVADA	C000114131	874	
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF NEVADA	C000114170	4,756	
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF NEVADA	C000114352	50,735	
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF PLACER	C000114238	593	
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF SACRAMENTO	7805000-19-314	14,507	
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF SACRAMENTO	7805000-23-314	92,361	
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF SUTTER	C000114255	6,772	
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF TRINITY	C000114356	39,002	
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	COUNTY OF VENTURA	GENT-2021-58	111,007	
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	LOS ANGELES COUNTY DEPARTMENT OF CHILDREN AND FAMILY SERVICE	16-0015	492	
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	LOS ANGELES COUNTY DEPARTMENT OF CHILDREN AND FAMILY SERVICE	20-0086	8,358,572	2,989,702
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	LOS ANGELES COUNTY DEPARTMENT OF CHILDREN AND FAMILY SERVICE	20213838	560,412	386,304
93.658	FOSTER CARE-TITLE IV-E		PASS THROUGH	MCM LABORATORIES INCORPORATED	2017303	(1,385)	
93.658 Total						46,194,491	28,090,655
93.659	ADPOTION ASSISTANCE		PASS THROUGH	LOS ANGELES COUNTY DEPARTMENT OF CHILDREN AND FAMILY SERVICE	19-11-01	83,547	
93.659	ADPOTION ASSISTANCE		PASS THROUGH	LOS ANGELES COUNTY DEPARTMENT OF CHILDREN AND FAMILY SERVICE	22-11-01	49,181	
93.659 Total						132,728	
93.667	SOCIAL SERVICES BLOCK GRANT		PASS THROUGH	COUNTY OF LASSEN	C000114126	(3,669)	
93.667	SOCIAL SERVICES BLOCK GRANT		PASS THROUGH	COUNTY OF LASSEN	C000114245	6,719	
93.667	SOCIAL SERVICES BLOCK GRANT		PASS THROUGH	COUNTY OF LASSEN	C000114339	18,182	
93.667	SOCIAL SERVICES BLOCK GRANT		PASS THROUGH	COUNTY OF LASSEN	EW-2017-15	1,912	
93.667 Total						23,144	
93.732	MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		2,674,593	442,961
93.732	MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS		PASS THROUGH	ASSOCIATION OF SCHOOLS AND PROGRAMS OF PUBLIC HEALTH, INC.	20215719	56,822	
93.732 Total						2,731,415	442,961
93.758	PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT FUNDED SOLELY WITH PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	18-10193	635,041	
93.758 Total						635,041	
93.788	OPIOID STR		PASS THROUGH	SIERRA HEALTH FOUNDATION	CA20MAT392	245,288	
93.788	OPIOID STR		PASS THROUGH	UNIVERSITY OF MISSOURI	00109613/00077332	150,839	
93.788 Total						396,127	
93.822	HEALTH CAREERS OPPORTUNITY PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		942,264	318,324
93.822 Total						942,264	318,324
93.834	CAPACITY BUILDING ASSISTANCE (CBA) FOR HIGH-IMPACT HIV PREVENTION		PASS THROUGH	CICATELLI ASSOCIATES INC	CDC PS19-1904	87,823	
93.834	CAPACITY BUILDING ASSISTANCE (CBA) FOR HIGH-IMPACT HIV PREVENTION		PASS THROUGH	HELUNA HEALTH	0592.0104	389,948	
93.834	CAPACITY BUILDING ASSISTANCE (CBA) FOR HIGH-IMPACT HIV PREVENTION		PASS THROUGH	SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH	1000013949	100,297	
93.834 Total						578,068	
93.858	NATIONAL COLLABORATION TO SUPPORT HEALTH, WELLNESS AND ACADEMIC SUCCESS OF SCHOOL-AGE CHILDREN		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		(8,957)	
93.858 Total						(8,957)	
93.860	EMERGING INFECTIONS SENTINEL NETWORKS		PASS THROUGH	OLIVE VIEW-UCLA EDUCATION & RESEARCH INSTITUTE, INC.	22-13	33,457	
93.860 Total						33,457	
93.881	THE HEALTH INSURANCE ENFORCEMENT AND CONSUMER PROTECTIONS GRANT PROGRAM		PASS THROUGH	CALIFORNIA DEPARTMENT OF INSURANCE	16035IA-3	45,348	
93.881 Total						45,348	

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93.884	GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		52,569	
93.884	GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		385,106	
93.884	GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT		PASS THROUGH	UNIVERSITY OF ILLINOIS CHICAGO	18669	4,690	
93.884 Total						442,365	
93.889	NATIONAL BIOTERRORISM HOSPITAL PREPAREDNESS PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,543,425	
93.889	NATIONAL BIOTERRORISM HOSPITAL PREPAREDNESS PROGRAM		PASS THROUGH	COUNTY OF LOS ANGELES	H-701039	(16,833)	
93.889 Total						1,526,592	535,645
93.898	CANCER PREVENTION AND CONTROL PROGRAMS FOR STATE, TERRITORIAL AND TRIBAL ORGANIZATIONS		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	2210319		4,946,405
93.898	CANCER PREVENTION AND CONTROL PROGRAMS FOR STATE, TERRITORIAL AND TRIBAL ORGANIZATIONS		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	A139687		486,356
93.898 Total							5,432,761
93.914	HIV EMERGENCY RELIEF PROJECT GRANTS		PASS THROUGH	AIDS UNITED	Sub 20182427 (U69HA310670100)		(887)
93.914	HIV EMERGENCY RELIEF PROJECT GRANTS		PASS THROUGH	ALAMEDA COUNTY PUBLIC HEALTH DEPARTMENT	2017306		(1,468)
93.914	HIV EMERGENCY RELIEF PROJECT GRANTS		PASS THROUGH	ALAMEDA COUNTY PUBLIC HEALTH DEPARTMENT	900159		169,198
93.914	HIV EMERGENCY RELIEF PROJECT GRANTS		PASS THROUGH	ALAMEDA COUNTY PUBLIC HEALTH DEPARTMENT	900159-25027		47,470
93.914	HIV EMERGENCY RELIEF PROJECT GRANTS		PASS THROUGH	CITY AND COUNTY OF SAN FRANCISCO	1000008790		322,351
93.914	HIV EMERGENCY RELIEF PROJECT GRANTS		PASS THROUGH	CITY AND COUNTY OF SAN FRANCISCO	1000012685		142,996
93.914	HIV EMERGENCY RELIEF PROJECT GRANTS		PASS THROUGH	LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES	PH-003770		589,758
93.914	HIV EMERGENCY RELIEF PROJECT GRANTS		PASS THROUGH	LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES	PH-003808		1,130,936
93.914	HIV EMERGENCY RELIEF PROJECT GRANTS		PASS THROUGH	LOS ANGELES COUNTY DEPARTMENT OF HEALTH SERVICES	PH-004213		63,226
93.914 Total							2,463,580
93.918	GRANTS TO PROVIDE OUTPATIENT EARLY INTERVENTION SERVICES WITH RESPECT TO HIV DISEASE	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		602,771	
93.918 Total							602,771
93.924	RYAN WHITE HIV/AIDS DENTAL REIMBURSEMENT AND COMMUNITY BASED DENTAL PARTNERSHIP GRANTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		47,058	
93.924 Total							47,058
93.928	SPECIAL PROJECTS OF NATIONAL SIGNIFICANCE		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		3,767,824	244,913
93.928	SPECIAL PROJECTS OF NATIONAL SIGNIFICANCE		PASS THROUGH	CICATELLI ASSOCIATES INC	RF1AG058484-01A1R	45,607	
93.928	SPECIAL PROJECTS OF NATIONAL SIGNIFICANCE		PASS THROUGH	NATIONAL ALLIANCE OF STATE AND TERRITORIAL AIDS DIRECTORS	22-SA-3215-037	621,221	
93.928 Total						4,434,652	244,913
93.939	HIV PREVENTION ACTIVITIES NON-GOVERNMENTAL ORGANIZATION BASED		PASS THROUGH	AIDS PROJECT LOS ANGELES	C-117194		(1,300)
93.939	HIV PREVENTION ACTIVITIES NON-GOVERNMENTAL ORGANIZATION BASED		PASS THROUGH	AIDS PROJECT LOS ANGELES	C-118200		297
93.939 Total							(1,003)
93.940	HIV PREVENTION ACTIVITIES HEALTH DEPARTMENT BASED		PASS THROUGH	ALAMEDA COUNTY PUBLIC HEALTH DEPARTMENT	24885		477
93.940	HIV PREVENTION ACTIVITIES HEALTH DEPARTMENT BASED		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	22-10923		464,974
93.940	HIV PREVENTION ACTIVITIES HEALTH DEPARTMENT BASED		PASS THROUGH	HELUNA HEALTH	1000008917		1,226
93.940	HIV PREVENTION ACTIVITIES HEALTH DEPARTMENT BASED		PASS THROUGH	HELUNA HEALTH	20-10318		265,877
93.940 Total							732,554
93.944	HUMAN IMMUNODEFICIENCY VIRUS (HIV)/ACQUIRED IMMUNODEFICIENCY VIRUS SYNDROME (AIDS) SURVEILLANCE		PASS THROUGH	HELUNA HEALTH	1000002605		14
93.944 Total							14
93.945	ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL		PASS THROUGH	ANN & ROBERT H. LURIE CHILDREN'S HOSPITAL OF CHICAGO	A23-0001-S003		32,253
93.945	ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL		PASS THROUGH	IMPROVECARENOW, INC	004		4,133
93.945 Total							36,386
93.946	COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		38,176	
93.946 Total							38,176

**University of California**  
**Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023**  
**(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.947	TUBERCULOSIS DEMONSTRATION, RESEARCH, PUBLIC AND PROFESSIONAL EDUCATION		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,478,199	
93.947 Total						1,478,199	
93.958	BLOCK GRANTS FOR COMMUNITY MENTAL HEALTH SERVICES		PASS THROUGH	CALIFORNIA DEPARTMENT OF HEALTH CARE SERVICES	21-10438	544,577	51,843
93.958	BLOCK GRANTS FOR COMMUNITY MENTAL HEALTH SERVICES		PASS THROUGH	SIERRA HEALTH FOUNDATION	CA21MAT485	99,725	
93.958	BLOCK GRANTS FOR COMMUNITY MENTAL HEALTH SERVICES		PASS THROUGH	SIERRA HEALTH FOUNDATION	CA21MAT561	41,364	
93.958	BLOCK GRANTS FOR COMMUNITY MENTAL HEALTH SERVICES		PASS THROUGH	SIERRA HEALTH FOUNDATION	CA21MAT562	66,812	
93.958 Total						752,478	51,843
93.959	BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE ABUSE	COVID-19	PASS THROUGH	SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH	1000024515		121,457
93.959	BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE ABUSE		PASS THROUGH	SIERRA HEALTH FOUNDATION	CA20MAT141		(197)
93.959	BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE ABUSE		PASS THROUGH	RHODE ISLAND DEPARTMENT OF BEHAVIORAL HEALTHCARE, DEVELOPMENT	0000000786		78,386
93.959 Total							199,646
93.969	PPHF GERIATRIC EDUCATION CENTERS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		689,522	41,868
93.969 Total						689,522	41,868
93.974	FAMILY PLANNING SERVICE DELIVERY IMPROVEMENT RESEARCH GRANTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		200,607	
93.974 Total						200,607	
93.976	PRIMARY CARE MEDICINE AND DENTISTRY CLINICIAN EDUCATOR CAREER DEVELOPMENT AWARDS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		314,168	
93.976 Total						314,168	
93.978	SEXUALLY TRANSMITTED DISEASES (STD) PROVIDER EDUCATION GRANTS	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,167,965	530,424
93.978	SEXUALLY TRANSMITTED DISEASES (STD) PROVIDER EDUCATION GRANTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,654,632	334,471
93.978 Total						2,822,597	864,895
93.983	MARKET TRANSPARENCY PROJECT FOR HEALTH IT INTEROPERABILITY SERVICES COOPERATIVE AGREEMENT PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)			(3,146)
93.983 Total							(3,146)
93.986	MEDICARE ACCESS AND CHIP REAUTHORIZATION ACT (MACRA) FUNDING OPPORTUNITY: MEASURE DEVELOPMENT FOR THE QUALITY PAYMENT PROGRAM		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		489	
93.986 Total						489	
93.991	PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	18-10566	435,292	
93.991	PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	21-10360	291,321	
93.991 Total						726,613	
93.994	MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	A134370	817,592	335,345
93.994 Total						817,592	335,345
93.RD	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		92,092	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	ABT ASSOCIATES INC.	A137093	(215)	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	EMI ADVISORS LLC	MSA-EMI-UCSF-211220	59,543	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	HENNEPIN HEALTHCARE RESEARCH INSTITUTE	75R60220C00011	21,746	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	HENNEPIN HEALTHCARE RESEARCH INSTITUTE	A136475	37,412	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL OPINION RESEARCH CENTER	8617.SIREN.01	3,391	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	PUBLIC HEALTH INSTITUTE	01906	63,769	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	RESEARCH TRIANGLE INSTITUTE	29-312-0214448-65402L	141,465	
93.RD	FEDERAL CONTRACTS		PASS THROUGH	VITALANT	11748UCSF155	47,846	
93.RD Total						467,049	
93.U01	FEDERAL CONTRACTS		PASS THROUGH	ALLIANCE NCTN FOUNDATION	A137646	9,000	
93.U01 Total						9,000	

**University of California  
Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023  
(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.U02	FEDERAL CONTRACTS		PASS THROUGH	AMERICAN ACADEMY OF ADDICTION PSYCHIATRY	MFG-21-6	103,189	
93.U02 Total						103,189	
93.U03	FEDERAL CONTRACTS		PASS THROUGH	AMERICAN INSTITUTES FOR RESEARCH IN THE BEHAVIORAL SCIENCES	A19-3385	792,472	
93.U03 Total						792,472	
93.U04	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	22-11124	120,355	
93.U04 Total						120,355	
93.U05	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	21-10015	2,101,768	
93.U05 Total						2,101,768	
93.U06	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA STATE UNIVERSITY, SAN FRANCISCO STATE UNIVERSITY	V21-0014	8,795	
93.U06 Total						8,795	
93.U07	FEDERAL CONTRACTS	COVID-19	DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		5,505	
93.U07 Total						5,505	
93.U08	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		89,314	
93.U08 Total						89,314	
93.U09	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		98,345	
93.U09 Total						98,345	
93.U10	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,754	
93.U10 Total						1,754	
93.U11	FEDERAL CONTRACTS		PASS THROUGH	COUNTY OF GLENN	C000114262	9,847	
93.U11 Total						9,847	
93.U12	FEDERAL CONTRACTS		PASS THROUGH	COUNTY OF LOS ANGELES	76850:15	58,960	
93.U12 Total						58,960	
93.U13	FEDERAL CONTRACTS		PASS THROUGH	COUNTY OF NAPA	GENT-2022-23	30,337	
93.U13 Total						30,337	
93.U14	FEDERAL CONTRACTS		PASS THROUGH	COUNTY OF NAPA	2300928	27,887	
93.U14 Total						27,887	
93.U15	FEDERAL CONTRACTS		PASS THROUGH	COUNTY OF PLACER	EW-2022-25	11,706	
93.U15 Total						11,706	
93.U16	FEDERAL CONTRACTS		PASS THROUGH	DANA-FARBER CANCER INSTITUTE, INC.	A139054	47,299	
93.U16 Total						47,299	
93.U17	FEDERAL CONTRACTS		PASS THROUGH	DUKE UNIVERSITY	HHSN27200008	43,489	
93.U17 Total						43,489	
93.U18	FEDERAL CONTRACTS		PASS THROUGH	ESSENTIAL ACCESS HEALTH	c-2018; Project 60207	16,091	
93.U18 Total						16,091	
93.U19	FEDERAL CONTRACTS		PASS THROUGH	IMS GOVERNMENT SOLUTIONS INC.	2017-IMS-SC-UCLA002	73,643	
93.U19 Total						73,643	
93.U20	FEDERAL CONTRACTS		PASS THROUGH	INBIOS INTERNATIONAL INC	75N93021C00063	98,862	
93.U20 Total						98,862	
93.U21	FEDERAL CONTRACTS		PASS THROUGH	JOHNS HOPKINS UNIVERSITY	172160	113,234	
93.U21 Total						113,234	
93.U22	FEDERAL CONTRACTS		PASS THROUGH	MARINUS PHARMACEUTICALS, INC.	A21-3238	103,288	
93.U22 Total						103,288	
93.U23	FEDERAL CONTRACTS		PASS THROUGH	MATHEMATICA INC.	50704507781	75,079	
93.U23 Total						75,079	

**University of California  
Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023  
(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
93.U24	FEDERAL CONTRACTS		PASS THROUGH	MCKING CONSULTING CORPORATION	A21-2816	3,682	
93.U24 Total						3,682	
93.U25	FEDERAL CONTRACTS		PASS THROUGH	MOST INVESTMENTS, LLC	LOA	724,415	
93.U25 Total						724,415	
93.U26	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		1,107,286	
93.U26 Total						1,107,286	
93.U27	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		(6,282)	
93.U27 Total						(6,282)	
93.U28	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL MARROW DONOR PROGRAM	A141216	2,502	
93.U28 Total						2,502	
93.U29	FEDERAL CONTRACTS		PASS THROUGH	NATIONAL OPINION RESEARCH CENTER	9569.UCDAVIS.01	52,187	
93.U29 Total						52,187	
93.U30	FEDERAL CONTRACTS		DIRECT	DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)		122,701	
93.U30 Total						122,701	
93.U31	FEDERAL CONTRACTS		PASS THROUGH	POLYNOVO BIOMATERIALS PTY. LTD.	201603858	136,873	
93.U31 Total						136,873	
93.U32	FEDERAL CONTRACTS		PASS THROUGH	REGENERON PHARMACEUTICALS, INC.	A21-2516	199,047	
93.U32 Total						199,047	
93.U33	FEDERAL CONTRACTS		PASS THROUGH	THE GENERAL HOSPITAL CORPORATION	NN106	1,000	
93.U33 Total						1,000	
94.006	AMERICORPS		PASS THROUGH	CALIFORNIA VOLUNTEERS, OFFICE OF THE GOVERNOR	011991	23,782	
94.006	AMERICORPS		PASS THROUGH	CALIFORNIA VOLUNTEERS, OFFICE OF THE GOVERNOR	20AFHY28-F212	263,327	
94.006	AMERICORPS		PASS THROUGH	CALIFORNIA VOLUNTEERS, OFFICE OF THE GOVERNOR	ACY27-F212	(882)	
94.006	AMERICORPS		PASS THROUGH	CALIFORNIA VOLUNTEERS, OFFICE OF THE GOVERNOR	ACY-28-F212	650,228	
94.006	AMERICORPS		PASS THROUGH	JUMPSTART FOR YOUNG CHILDREN, INC.	R01HL146552-04	217,581	
94.006	AMERICORPS		PASS THROUGH	SUPERIOR COURT OF CALIFORNIA, COUNTY OF LOS ANGELES	20200481	(11)	
94.006	AMERICORPS		PASS THROUGH	SUPERIOR COURT OF CALIFORNIA, COUNTY OF LOS ANGELES	2022-208	14,482	
94.006 Total						1,168,507	
94.U01	FEDERAL CONTRACTS		PASS THROUGH	NEW VISION MIDDLE SCHOOL	151341	(73)	
94.U01 Total						(73)	
95.U01	FEDERAL CONTRACTS		DIRECT	EXECUTIVE OFFICE OF THE PRESIDENT		28,192	
95.U01 Total						28,192	
97.005	STATE AND LOCAL HOMELAND SECURITY NATIONAL TRAINING PROGRAM		PASS THROUGH	THE CENTER FOR RURAL DEVELOPMENT	EMW-2021-CA-00097-501	18,010	
97.005	STATE AND LOCAL HOMELAND SECURITY NATIONAL TRAINING PROGRAM		PASS THROUGH	THE CENTER FOR RURAL DEVELOPMENT	EMW-2022-CA-00033-S01	6,260	
97.005 Total						24,270	
97.012	BOATING SAFETY FINANCIAL ASSISTANCE		PASS THROUGH	CALIFORNIA DIVISION OF BOATING AND WATERWAYS	C8965335	(572)	
97.012	BOATING SAFETY FINANCIAL ASSISTANCE		PASS THROUGH	CALIFORNIA DIVISION OF BOATING AND WATERWAYS	C8965336	(1,157)	
97.012	BOATING SAFETY FINANCIAL ASSISTANCE		PASS THROUGH	CALIFORNIA DIVISION OF BOATING AND WATERWAYS	C8966310	15,060	
97.012	BOATING SAFETY FINANCIAL ASSISTANCE		PASS THROUGH	CALIFORNIA DIVISION OF BOATING AND WATERWAYS	C8966311	6,554	
97.012	BOATING SAFETY FINANCIAL ASSISTANCE		PASS THROUGH	CALIFORNIA DIVISION OF BOATING AND WATERWAYS	C8967333	2,851	
97.012 Total						22,736	
97.032	CRISIS COUNSELING		PASS THROUGH	CALIFORNIA MENTAL HEALTH SERVICES AUTHORITY	701-FEMA-2021-UCD	(6,684)	
97.032 Total						(6,684)	
97.036	DISASTER GRANTS-PUBLIC ASSISTANCE (PRESIDENTIALLY DECLARED DISASTERS)	COVID-19	DIRECT	DEPARTMENT OF HOMELAND SECURITY (DHS)		31,755,186	
97.036 Total						31,755,186	

**University of California  
Schedule of Expenditures of Federal Awards**

**For the Fiscal Year Ended June 30, 2023  
(Expressed in Whole Dollars)**

Assistance Listing Number	Federal Program Title	Additional Award Identification	Direct / Pass Through	Agency or Pass Through Entity	Pass Through No. or Other Identifier	Federal Expenditures	Funds Passed Through to Subrecipients
97.U01	FEDERAL CONTRACTS		PASS THROUGH	CALIFORNIA DEPARTMENT OF PUBLIC HEALTH	21-10674	2,761,198	984,196
97.U01 Total						2,761,198	984,196
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS		DIRECT	U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT (USAID)		12,129,491	7,695,329
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS		PASS THROUGH	INTERNATIONAL AIDS VACCINE INITIATIVE INC.	2395	64,802	
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS		PASS THROUGH	PATH	AID.574718-01706926-SUB	186,549	
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	COVID-19	PASS THROUGH	PUBLIC HEALTH INSTITUTE	02200	896,465	
98.001	USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS		PASS THROUGH	WITS HEALTH CONSORTIUM (PTY) LIMITED	A133275	61,853	
98.001 Total						13,339,160	7,695,329
99.U01	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	COUNTY OF FRESNO	A140981	56,337	
99.U01 Total						56,337	
12.U13	FEDERAL CONTRACTS		PASS THROUGH	TOURNITEK INC.	A141067	1,700	
12.U13 Total						1,700	
81.U49	FEDERAL CONTRACTS		PASS THROUGH	TRIAD NATIONAL SECURITY, LLC	8354	424	
81.U49 Total						424	
93.U34	FEDERAL CONTRACTS		PASS THROUGH	UNIVERSITY OF FLORIDA	OT2OD031919	32,133	
93.U34 Total						32,133	
93.U35	FEDERAL CONTRACTS		PASS THROUGH	VANDERBILT UNIVERSITY MEDICAL CENTER	A141219	2,423	
93.U35 Total						2,423	
93.U36	FEDERAL CONTRACTS		PASS THROUGH	VIVLI, INC.	A139075	31,289	
93.U36 Total						31,289	
93.U37	FEDERAL CONTRACTS		PASS THROUGH	WAYNE STATE UNIVERSITY	WSU22166	223,332	
93.U37 Total						223,332	
93.U38	FEDERAL CONTRACTS		PASS THROUGH	WESTAT	HHSN261201800043C	161,760	
93.U38 Total						161,760	
93.U39	FEDERAL CONTRACTS	COVID-19	PASS THROUGH	WESTAT	20221488-08	128,698	
93.U39 Total						128,698	
93.U40	FEDERAL CONTRACTS		PASS THROUGH	WESTAT	GR128902 / PO-SPC-1000006949	4,817,207	1,708,449
93.U40 Total						4,817,207	1,708,449
81.U48	FEDERAL CONTRACTS		PASS THROUGH	PLASMA PROCESSES INC.	JSO-120103-1	554	
81.U48 Total						554	
<b>OTHER FEDERAL PROGRAMS TOTAL</b>						<b>\$ 453,605,833</b>	<b>\$ 62,349,968</b>
<b>TOTAL</b>						<b>\$ 6,954,382,627</b>	<b>\$ 645,532,183</b>

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**University of California**  
**Schedules of Expenditures of Federal Awards**

**For the Fiscal Year Ended**  
**June 30, 2023**  
**(Expressed in Whole Dollars \$)**

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**Notes A - I**

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**A. General**

The accompanying Summary Schedule of Expenditures of Federal Awards and Schedule of Expenditures of Federal Awards (SEFA) (collectively, the Schedules) present the activity of all federal financial assistance programs of the University of California (the University), a component unit of the State of California.

Consistent with the provisions of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements for Federal Awards* (Uniform Guidance), the accompanying Schedules do not include the expenditures of the Lawrence Berkeley National Laboratory (LBNL) – a major Department of Energy (DOE) national laboratory operated and managed by the University under contracts with DOE, as it represents a government-owned, contractor operated facility.

**B. Basis of Accounting**

The accompanying Schedules are presented on a cash basis as year-end accruals for financial statement purposes are performed in aggregate and not allocated to individual awards. Amounts expended for loan programs administered directly by the University are reflected at the value of new loans made or received during the fiscal year plus the beginning balance of loans from previous years for which the federal government imposes continuing compliance requirements.

The information in these Schedules is presented in accordance with the requirements of the Uniform Guidance. Negative amounts represent adjustments in the normal course of business to amounts reported in a prior year.

**C. Assistance Listing Numbers**

Research and Development (R&D) direct awards are presented on the SEFA by federal agency and major subdivision within the federal agency, when applicable. Pass-through awards have been presented by pass-through entity, assistance listing number, sponsor's award number when available, or by the University assigned identifier. Awards granted from the LBNL to the campuses are presented as direct awards on the SEFA since the University is operating and managing LBNL.

If the assistance listing three-digit extension is unknown, it is assigned a "U" followed by a two-digit number (e.g., U01, U02, etc.). If the Federal program is part of the R&D cluster and the assistance listing three-digit extension is unknown, "RD" is used as the assistance listing extension.

**D. Commingled Assistance**

In some cases, the University has included within the Schedules amounts received from pass-through entities which include funds from federal and non-federal sources because the pass-through entity is unable to determine the federal portion.

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**University of California**  
**Schedules of Expenditures of Federal Awards**

**For the Fiscal Year Ended**  
**June 30, 2023**  
**(Expressed in Whole Dollars \$)**

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**Notes A – I**

The California Student Aid Commission (CSAC) administers the State Cal Grant A and B Programs, selects the student recipients of these grant awards, and provides funds to participating institutions for disbursement. Federal Temporary Assistance for Needy Families (TANF) funds, assistance listing number 93.558, from the US Department of Health and Human Services, may comprise up to approximately 51% of the total funding for these Cal Grant awards.

In fiscal year 2023, the University paid Cal Grant A and B funds to students in the amount of \$963,097,426; however, CSAC is unable to determine the exact amount of TANF funds, if any, represented in those awards. Therefore, the Schedules do not include State Grant A and B awards.

**E. Outstanding Balances on Loan Programs**

Outstanding balances on federal loans programs administered directly by the University as of June 30, 2023 are as follows:

	Assistance Listing No.	Principal Outstanding
Federal Perkins Loan Program	84.038	\$54,678,473
Health Professions Student Loans, Loans for Disadvantaged Students, Primary Care Loans	93.342	\$75,004,650
Nursing Student Loans	93.364	\$1,895,958
Nursing Student Faculty Loans	93.264	\$396,175

**F. Facilities and Administrative Costs**

The University uses its negotiated facilities and administrative cost rates instead of the 10% de minimis rate allowed by the Uniform Guidance.

**G. Department of Health and Human Services – Provider Relief Funds**

The University was the recipient of funding under assistance listing number 93.498, *Provider Relief Fund and American Rescue Plan (ARP) Rural Distribution* (PRF), and as required based on guidance in the 2023 OMB Compliance Supplement, the Schedules include all funds received between July 1, 2021 and December 31, 2021 (Period 4), and between January 1, 2022 and June 30, 2022 (Period 5), and expended by December 31, 2022 and June 30, 2023, respectively, as reported to the Health Resources and Services Administration (HRSA) via the PRF Reporting Portal. In addition, the Schedules include \$13,410,384 of Period 2 funds (received between July 1, 2020 and December 1, 2020, and expended in the fiscal year June 30, 2022), as they were omitted from the prior year Schedules. The error was discovered by the University while preparing the current year Schedules.

The Schedules include direct expenditures and lost revenue by period as set forth in the table below. Given the timing covered by Period 4 and 5 funds, these expenses were reflected in the University's fiscal year 2022 financial statements. Additionally, lost revenue does not represent an expenditure in the University's financial statements and thus is a reconciling item between the federal expenses in the University's financial statements and the amount included in the Schedules.

**University of California  
Schedules of Expenditures of Federal Awards**

**For the Fiscal Year Ended  
June 30, 2023  
(Expressed in Whole Dollars \$)**

**Notes A - I**

	Direct Expenses	Lost Revenue	Total
Period 2 (July 1 – December 31, 2020)		\$13,410,384	\$13,410,384
Period 4 (July 1 – December 31, 2021)	\$7,608,883	6,849,540	14,458,423
Period 5 (January 1 - June 30, 2022)	4,808,425	10,554,168	15,352,593
Total	\$12,417,308	\$30,804,092	\$43,221,400

**H. Department of Education – Higher Education Emergency Relief Funds**

The University was the recipient of funding under assistance listing number 84.425, *Higher Education Emergency Relief Fund (HEERF)*. Of the amounts in the Schedules, \$54,861,914 are supported by lost revenue, as allowed under the terms and conditions of the program. As such, this amount represents a reconciling item between the federal expenses in the University's financial statements and the amount included in the Schedules.

**I. Department of Homeland Security - Federal Emergency Management Agency Public Assistance**

The University applied for reimbursement of certain expenses related to the COVID-19 pandemic under Assistance Listing 97.036, *Federal Emergency Management Agency (FEMA) Public Assistance* through the State of California. Expenditures are reflected in the Schedules in the year in which a project application is obligated, and expenses associated with those funds have been incurred. The Schedules thus include \$31,755,186 of expenditures incurred in fiscal years 2020, 2021, or 2022, for projects which were obligated in fiscal year 2023. In addition, the Schedules include \$8,288,780 for projects which were obligated prior to fiscal year 2023 but were omitted in the prior year Schedules (\$6,979,024 for the fiscal year 2021 Schedules and \$1,309,756 for the fiscal year 2022 Schedules). These errors were discovered by the University while preparing the current year Schedules. Collectively, the FEMA funds represent a reconciling item between the federal expenses in the University's financial statements and the amount included in the Schedules.



**Report of Independent Auditors on Internal Control Over Financial Reporting and on Compliance  
and Other Matters Based on an Audit of Financial Statements Performed in  
Accordance with Government Auditing Standards**

To The Regents of the University of California

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, the financial statements of the business-type activities, the aggregate discretely presented component units, and the aggregate remaining fund information of the University of California (the “University”), a component unit of the State of California as of and for the year ended June 30, 2023, including the related notes, which collectively comprise the University’s basic financial statements as listed in the table of contents, and have issued our report thereon dated November 22, 2023. The financial statements of the University’s discretely presented component units were not audited in accordance with *Government Auditing Standards*, and accordingly, this report does not include reporting on internal control over financial reporting or instances of reportable noncompliance associated with the University’s discretely presented component units.

**Report on Internal Control Over Financial Reporting**

In planning and performing our audit of the financial statements, we considered the University’s internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the University’s internal control. Accordingly, we do not express an opinion on the effectiveness of University’s internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity’s financial statements will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. We did identify a certain deficiency in internal control, described in the accompanying schedule of findings and questioned costs as item 2023-001, that we consider to be a significant deficiency.

**Report on Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the University’s financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, noncompliance with which could have a direct and material effect on the financial statements. However, providing an opinion on compliance with those provisions was



not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

#### **The University's Response to Findings**

*Government Auditing Standards* requires us to perform limited procedures on the University's response to the finding identified in our audit and described in the accompanying schedule of findings and questioned costs. The University's response was not subjected to the other auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on the response.

#### **Purpose of this Report**

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the University's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the University's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

*PricewaterhouseCoopers LLP*

San Francisco, California  
November 22, 2023



## **Report of Independent Auditors on Compliance for Each Major Program and on Internal Control Over Compliance Required by Uniform Guidance**

To The Regents of the University of California

### **Report on Compliance for Each Major Federal Program**

#### ***Opinion on Each Major Federal Program***

We have audited the University of California's (the "University") (a component unit of the State of California) compliance with the types of compliance requirements identified as subject to audit in the *OMB Compliance Supplement* that could have a direct and material effect on each of the University's major federal programs for the year ended June 30, 2023. The University's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

In our opinion, the University complied, in all material respects, with the compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2023.

#### ***Basis for Opinion on Each Major Federal Program***

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America (US GAAS); the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Our responsibilities under those standards and the Uniform Guidance are further described in the Auditors' Responsibilities for the Audit of Compliance section of our report.

We are required to be independent of the University and to meet our other ethical responsibilities, in accordance with relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion on compliance for each major federal program. Our audit does not provide a legal determination of the University's compliance with the compliance requirements referred to above.

#### ***Responsibilities of Management for Compliance***

Management is responsible for compliance with the requirements referred to above and for the design, implementation, and maintenance of effective internal control over compliance with the requirements of laws, statutes, regulations, rules and provisions of contracts or grant agreements applicable to the University's federal programs.

#### ***Auditors' Responsibilities for the Audit of Compliance***

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on the University's compliance based on our audit. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with US GAAS, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional



omissions, misrepresentations, or the override of internal control. Noncompliance with the compliance requirements referred to above is considered material, if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about the University's compliance with the requirements of each major federal program as a whole.

In performing an audit in accordance with US GAAS, *Government Auditing Standards*, and the Uniform Guidance, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
  - Identify and assess the risks of material noncompliance, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the University's compliance with the compliance requirements referred to above and performing such other procedures as we considered necessary in the circumstances.
  - Obtain an understanding of the University's internal control over compliance relevant to the audit in order to design audit procedures that are appropriate in the circumstances and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control over compliance.
- Accordingly, no such opinion is expressed.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and any significant deficiencies and material weaknesses in internal control over compliance that we identified during the audit.

#### **Other Matters**

The results of our auditing procedures disclosed instances of noncompliance, which are required to be reported in accordance with the Uniform Guidance and which are described in the accompanying schedule of findings and questioned costs as items 2023-002 through 2023-006. Our opinion on each major federal program is not modified with respect to these matters.

*Government Auditing Standards* requires the auditor to perform limited procedures on the University's response to the noncompliance findings identified in our audit described in the accompanying schedule of findings and questioned costs. The University's response was not subjected to the other auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

#### **Report on Internal Control Over Compliance**

Our consideration of internal control over compliance was for the limited purpose described in the Auditors' Responsibilities for the Audit of Compliance section above and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies in internal control over compliance and therefore, material weaknesses or significant deficiencies may exist that have not been identified. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, as discussed below, we did identify certain deficiencies in internal control over compliance that we consider to be significant deficiencies.

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned



functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. A *material weakness in internal control over compliance* is a deficiency, or combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis.

A *significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance. We consider the deficiencies in internal control over compliance described in the accompanying schedule of findings and questioned costs as items 2023-005 and 2023-006 to be significant deficiencies.

Our audit was not designed for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, no such opinion is expressed.

*Government Auditing Standards* requires the auditor to perform limited procedures on the University's response to the internal control over compliance findings identified in our audit described in the accompanying schedule of findings and questioned costs. The University's response was not subjected to the other auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

PricewaterhouseCoopers LLP

San Francisco, California  
February 29, 2024

**University of California  
Schedule of Findings and Questioned Costs  
Year Ended June 30, 2023**

## **SECTION I – SUMMARY OF AUDITOR’S RESULTS**

## **Financial Statements**

Type of auditor's report issued:  
Unmodified opinion

Internal control over financial reporting:	
● Material weakness(es) identified?	No
● Significant deficiency(ies) identified that are not considered to be material weaknesses	Yes

Noncompliance material to the financial statements noted? No

## Federal Awards

## **Internal control over major programs:**

- Material weakness(es) identified? No
  - Significant deficiency(ies) identified that are not considered to be material weaknesses Yes

Type of auditor's report issued on compliance for major programs Unmodified

Any audit findings that are required to be reported in accordance with  
2 CFR 200.516(a)? Yes

## Identification of major programs:

Program Name	Assistance Listing Number(s)
Research and Development Cluster	Various
COVID-19 – Elementary and Secondary School Emergency Relief Fund, Higher Education Emergency Relief Fund Student Aid Portion, Higher Education Emergency Relief Fund Institutional Aid Portion, Higher Education Emergency Relief Fund Minority Serving Institutions, HEERF Supplemental Assistance to Institutions of Higher Education Program, American Rescue Plan Elementary and Secondary School Emergency Relief Fund	84.425D, 84.425E, 84.425F, 84.425L, 84.425S, 84.425U
Global Aids	93.067
COVID-19 – Provider Relief Fund and American Rescue Plan (ARP) Rural Distribution	93.498
Foster Care Title IV-E	93.658
COVID-19 – Disaster Grants-Public Assistance (Presidentially Declared Disasters)	97.036
Dollar threshold used to distinguish between type A and type B programs:	\$20,863,148
Auditee qualified as a low-risk auditee?	Yes

**University of California**  
**Schedule of Findings and Questioned Costs**  
**Year Ended June 30, 2023**

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**SECTION II – FINANCIAL REPORTING FINDINGS**

**2023-001: IT General Controls for Retirement System (Significant Deficiency)**

**Criteria**

As part of our audit, we are required to obtain an understanding of internal controls relevant to the audit, which includes the end-to-end process around key financial reporting cycles and evidence the implementation of relevant controls and the related IT dependencies. (AU-C section 315)

**Condition**

The University of California (the “University”) implemented Redwood, a retirement recordkeeping system in March 2019, which is used throughout the University, except Children’s Hospital & Research Center Oakland. The University partners with a vendor to perform hosting of the system and certain IT controls responsibilities are outsourced to the vendor for the retirement system, including:

- Granting/revoking database level access including database administrator privileged access (i.e., provisioning/deprovisioning);
- Developing, testing and migrating changes into production, as well as ensuring segregation of duties between developers and migrators, and;
- Restricting access to the job scheduler used to run the new retirement system jobs.

While the University has processes over those IT activities within their control, the University relies on the vendor for the execution of the aforementioned key IT general controls. In situations where significant operations are subject to third party oversight, service organizations will typically provide users with an AICPA Systems & Organization Controls audit report that specifically addresses the design and operating effectiveness of internal controls (SOC 1 Type 2 report).

Management has concluded that the SOC 1 Type 2 reports for Redwood provided by the vendor were insufficient in order to determine the effectiveness of key IT controls at the service provider.

Documentation could not be provided by the vendor to evidence the design, implementation, and operation of key IT controls. As such, consistent with fiscal years 2019 through 2022, this has been determined to be a significant deficiency in internal control over financial reporting requiring communication to those charged with governance and is considered a repeat finding of 2022-001.

Additionally, as part of our 2023 sample testing of participant data records provided to the University's actuary for the net retiree health benefits liability valuation, we identified data discrepancies related to two of the benefit plan participants. After examining the identified discrepancies, management informed us that limited participant subsets of actives and retirees were not properly reflected in the final census data files that were submitted to its actuary due to errors within the Redwood system. This resulted in the actuarial valuation understating the University's net retiree health benefits liability by a de minimis amount.

**Cause**

While the University has processes over those IT activities within their control, the University relies on the vendor for the execution of the aforementioned key IT general controls. Documentation could not be provided by the vendor to evidence the design, implementation, and operation of key IT controls.

**Effect**

The absence of key IT controls over granting/revoking database level access, the making and migrating of changes, and restricting access to the job scheduler results in risks related to the ongoing validity, completeness, and accuracy of the data processed in the retirement system or in the reports generated from the retirement system.

**University of California**  
**Schedule of Findings and Questioned Costs**  
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**Questioned Costs**

None noted.

**Recommendation**

We recommend the University undertake actions to have the aforementioned IT general controls related to the retirement system designed and implemented appropriately, including maintaining the evidence of operating effectiveness of related controls.

**Management's Views and Corrective Action Plan**

Management's response is included in "Management's Views and Corrective Action Plan" included at the end of this report after the summary schedule of status of prior audit findings.

**University of California**  
**Schedule of Findings and Questioned Costs**  
**Year Ended June 30, 2023**

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**SECTION III – FEDERAL AWARD FINDINGS AND QUESTIONED COSTS**

**2023-002 – Transfer of costs from HEERF to FEMA not reported in HEERF quarterly report**

**Cluster:** Not applicable

**Sponsoring Agency:** Department of Education

**Award Name:** COVID-19 Higher Education Emergency Relief Fund (HEERF) – Institutional Portion

**Award Number:** P425F202631 - 20B

**Assistance Listing Title:** COVID-19 - Education Stabilization Fund

**Assistance Listing Number:** 84.425F

**Award Year:** 2020-2021

**Pass-through entity:** Not applicable

**Criteria**

The Department of Education provided the following guidance on their institutional quarterly HEERF forms: "Any changes or updates after initial posting must be conspicuously noted after initial posting and the date of the change must be noted in the 'Date of Report' line."

**Condition**

Through our testing of Federal Emergency Management Agency ("FEMA") submissions across three campuses, we compared costs in the FEMA transaction detail to those in quarterly HEERF submissions to understand whether there might be any duplication of costs. Through our review of the March 31, 2021 HEERF institutional report and our testing of HEERF in FY2021, we identified \$3.4 million related to COVID-19 testing purchased from a vendor that was included in the FEMA submission selected for testing at one campus. The campus was transparent in its application with FEMA that the cost was being transferred from HEERF and we obtained evidence of the cost transfer in the general ledger, however, the March 31, 2021 HEERF quarterly institutional report was not revised to reflect this change and subsequent replacement of this amount with lost revenue.

**Cause**

Management was not aware of the reporting requirement for changes and updates to HEERF uses of funding.

**Effect**

While FEMA was aware of the change to be made by this campus via the FEMA application, the Department of Education was not notified via the posting of a revised report and thus was not made aware of this change.

**Questioned Costs**

None noted.

**Recommendation**

We recommend the campus modify its March 31, 2021 quarterly HEERF institutional report to prominently identify the changes and post a revised report on the campus website along with the other completed quarterly HEERF reports.

**Management's Views and Corrective Action Plan**

Management's response is included in "Management's Views and Corrective Action Plan" included at the end of this report after the summary schedule of status of prior audit findings.

**University of California**  
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**2023-003 – Equipment and real property management**

**Cluster:** Research and Development

**Sponsoring Agency:** Various

**Award Names:** All awards for 3 campuses with federal equipment expenditures in the Schedules of Expenditures of Federal Awards (SEFA)

**Award Numbers:** Various

**Assistance Listing Titles:** Various

**Assistance Listing Numbers:** All awards for 3 campuses with equipment expenditures in the SEFA

**Award Year:** 2022-2023

**Pass-through entity:** All pass-through awards for 3 campuses with equipment expenditures in the SEFA

**Criteria**

2 CFR 200.313(d) requires that a physical inventory of equipment acquired in whole or in part under a Federal award must be taken and the results reconciled with the property records at least once every two years.

**Condition**

Through our testing of federal equipment and real property management across three campuses, we noted the following:

- One campus has a control by which all custodians are responsible for the completion of their federal equipment inventory on a 2-year rolling basis, which includes timely review and approval of the Physical Inventory Certification Form. Through our testing of 12 custodians, out of a population of 120, we noted that 11 custodians did not complete the Physical Inventory Certification Form within the two-year timeframe. On average these certifications were completed 263 days late.
- At a second campus, we noted a similar control in which a Department Inventorial Equipment Certification form is periodically required to be signed and submitted by each custodian. Through our testing of timeliness and approval of equipment inventories being performed by custodian, we selected 15 custodians, out of a population of 153, to ensure timely submission and approval of this form and noted the following:
  - Three of the sampled custodians submitted forms in early FY2022 and the next form was not due based on campus policy until FY2024; due dates for which were all beyond the two-year requirement. On average, using the scheduled due dates based on campus policy, these inventories would be 63 days late.
  - Eleven of the sampled custodians submitted the latest certifications during FY2022, FY2023 or FY2024, however, when compared to the date of the previous submission, the submissions were on average 274 days late when compared to the Uniform Guidance biennial requirement.
- At a third campus, we selected seven custodians for equipment observation procedures and for those seven custodians also obtained their annual inventory certification form, which was completed on a timely basis. One of the certifications that is attested to on this form is that the last inventory date on the equipment for which the custodian is responsible has been inventoried within the last two years. Through review of the underlying detail for these seven custodians, we noted two custodians with equipment that had not been inventoried within the two-year timeframe. For context, one custodian had 261 out of 972 pieces of equipment that had not been inventoried within the two year-period; a second custodian had 542 out of 569 assets that had not been inventoried within the two-year period, including 473 pieces having last inventory dates during calendar years 2012-2019.

**University of California**  
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**Cause**

- In the case of the first campus, we understand that many of the custodians continue to work remotely and adhering to the required timeframe has been difficult to enforce.
- In the case of the second campus, federal equipment inventory dates are assigned based on a system algorithm, which allocates due dates ratably across the custodians. This algorithm does not, however, take into account when the last inventory was completed and the biennial requirement. Additionally, we understand this campus has custodians working remotely and request extensions on their inventory requirement, however, when granting such extensions, the biennial requirement is not considered.
- In the case of the third campus, the custodians indicated that they completed the inventories as certified, however, due to the volume of assets they either do not update the dates in the equipment management system or update them well after-the-fact due to a manual process. There is no central review of the underlying equipment management system detail to validate “last inventory dates” and thus no monitoring to ensure inventory dates are updated by custodians in the equipment management system.

**Effect**

Federal equipment inventories that are not completed in a timely manner, could result in assets purchased with federal funds not being appropriately safeguarded.

**Questioned Costs**

None noted.

**Recommendation**

We recommend the campuses review their federal equipment policies and procedures and implement controls to ensure federal equipment inventories are completed on a timely basis in accordance with the Uniform Guidance requirements and that underlying details in the equipment management systems get updated timely, as applicable.

**Management's Views and Corrective Action Plan**

Management's response is included in "Management's Views and Corrective Action Plan" included at the end of this report after the summary schedule of status of prior audit findings.

**University of California**  
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**2023-004 – Procurement, Suspension and Debarment**

**Cluster:** Research and Development

**Sponsoring Agency:** NASA, National Science Foundation, Department of Energy, National Institutes of Health, Department of Health and Human Services

**Award Names:** Various

**Award Numbers:** NNX17AB45G, 2137984, 2230861, DE-SC0010064, DE-SC0022559, R01MH115979-05, 1R01DA054967-01A1, 1R01DK132735-01, 3UM1AI068636-15S3, 5R01HL155905-03, 5R01GM143536-03, 2RF1AG048120-06R, 5UM1AI106701-10R2

**Assistance Listing Titles:** Science, Mathematical and Physical Sciences, Biological Sciences, Office of Science Financial Assistance Program, Mental Health Research Grants, Drug Abuse and Addiction Research Programs, COVID-19 - Trans-NIH Research Support, COVID-19 - Allergy and Infectious Diseases Research, Allergy and Infectious Diseases Research, Biomedical Research and Training, Aging Research

**Assistance Listing Numbers:** 43.001, 47.049, 47.074, 81.049, 93.242, 93.279, 93.310, 93.855, 93.859, 93.866

**Award Year:** 2022-2023

**Pass-through entity:** Not applicable, all are direct awards

**Criteria**

2 CFR 200.318(i) notes that non-Federal entities must maintain records sufficient to detail the history of procurement. These records will include, but are not necessarily limited to, the following: Rationale for the method of procurement, selection of contract type, contractor selection or rejection, and the basis for the contract price.

Non-federal entities are also prohibited from contracting with or making subawards under covered transactions to parties that are suspended or debarred. When a non-federal entity enters into a covered transaction with an entity at a lower tier, the nonfederal entity must verify that the entity, as defined in 2 CFR section 180.995 and agency adopting regulations, is not suspended or debarred or otherwise excluded from participating in the transaction. This verification may be accomplished by (1) checking the System for Award Management (SAM) Exclusions maintained by the General Services Administration, (2) collecting a certification from the entity, or (3) adding a clause or condition to the covered transaction with that entity (2 CFR section 180.300).

**Condition**

Through our testing of 88 procurement transactions greater than the micro-purchase threshold across four campuses and 83 transactions related to suspension and debarment across four campuses, we noted the following at one campus:

- For four out of 25 procurement selections totaling \$964,259, the source selection and price reasonableness justification form was not completed and as such, we were unable to obtain documentation for how these vendors were selected.
- Seven SAM.gov checks of the 25 selected for testing, totaling \$900,152, were not dated and as such, we were unable to confirm these checks were completed in a timely manner. For six selections, totaling \$1,011,780, we were unable to obtain support that these vendors were either checked for suspension and debarment against SAM.gov or if the vendor was not listed on SAM.gov, evidence that the purchasing staff issued the Debarment Certification to the vendor to complete prior to the posting of the purchase order, as required by campus policy. Additionally, one Debarment and Certification form was dated after the posting of the purchase order on a transaction totaling \$249,850.

This is a repeat finding of 2021-003, which continued to remain open during FY2022.

**University of California**  
**Schedule of Findings and Questioned Costs**  
**Year Ended June 30, 2023**

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**Cause**

The buyers executing these transactions did not provide the required support when executing these transactions due to lack of understanding of what is required for a federal purchase. Additionally, there are no additional levels of reviews required, such that missing documentation would be identified prior to executing federal purchases.

**Effect**

The University may not select a vendor in the most efficient manner without following proper federal procurement procedures and additionally, they may do business with a vendor that is suspended or debarred if checks are not performed.

**Questioned Costs**

None noted.

**Recommendation**

We recommend the campus provide additional training in this area and determine if there is a more effective way to flag federal transactions for buyers and when flagged, guidance is readily made available as to what documentation is required prior to executing the transaction.

**Management's Views and Corrective Action Plan**

Management's response is included in "Management's Views and Corrective Action Plan" included at the end of this report after the summary schedule of status of prior audit findings.

**2023-005 – HEERF lack of compliance at one campus - (Significant deficiency)**

**Cluster:** Not applicable

**Sponsoring Agency:** Department of Education (ED)

**Award Names:** COVID-19 Education Stabilization Fund

**Award Numbers:** P425E200430 and P425F201596

**Assistance Listing Titles:** COVID-19 Higher Education Emergency Relief Fund (HEERF) Student Aid Portion and Institutional Aid Portion

**Assistance Listing Numbers:** 84.425E and 84.425F

**Award Year:** 2022-2023

**Pass-through entity:** Not applicable

**Criteria**

2 CFR 200.303 Internal Controls - The non-federal entity must establish and maintain effective internal control over the Federal award that provides reasonable assurance that the non-Federal entity is managing the Federal award in compliance with Federal statutes, regulations, and the terms and conditions of the Federal award. The OMB Uniform Guidance Compliance Supplement further notes that: Policies, procedures should provide for segregation of duties within and among processes and controls.

For CRRSAA HEERF II and ARP HEERF III, the Certification and Agreement and/or Supplemental Agreement indicate that Student Aid (ALN 84.425E) should be disbursed within 15 calendar days of the drawdown from ED's grant management system (G5), while Institutional Aid Portion, (a)(2), and (a)(3) funds (all other ALNs) should be disbursed within three calendar days of the drawdown from G5.

Regarding HEERF reporting, the Certification and Agreements notes that recipients must promptly and timely provide a detailed accounting of the use of funds provided by this award in such manner and with such subsequent frequency as the Secretary may require.

# **University of California**

## **Schedule of Findings and Questioned Costs**

### **Year Ended June 30, 2023**

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2 CFR 200.305(b)(9) - Interest earned amounts up to \$500 per year may be retained by the non-Federal entity for administrative expense. Any additional interest earned on Federal advance payments deposited in interest-bearing accounts must be remitted annually to the Department of Health and Human Services Payment Management System (PMS) through an electronic medium using either Automated Clearing House (ACH) network or a Fedwire Funds Service payment.

#### **Condition**

Through our testing of the HEERF student portion at one campus, we noted the following issues related to various compliance requirements:

- *Cash management* - During the COVID-19 pandemic state of emergency, the Student Financial Aid HEERF draws at the campus were made based on anticipated student aid disbursements rather than actual disbursements. Based on our understanding of management's drawdown process, we noted that in 2020, \$237,699 more was drawn down than was awarded to students and in 2022, \$7,262,247 more was drawn down at fiscal year-end than was awarded to students. The excess funds were awarded to students during FY2023; however, these awards were all made long after the required 15 calendar days from the date of the drawdown, with many of these disbursements not occurring until the Spring 2023 semester.

Additionally, as a result of having excess federal cash on hand, an interest calculation should have been completed to determine the amount of interest due back to the federal government and any amount due remitted to the government. The amount of interest that should have been remitted is estimated to be approximately \$173,000.

- *Eligibility* - There were no controls identified that could be tested relative to awarding funds to students. A policy was implemented explaining how HEERF funds were to be awarded to students under each tranche of HEERF and no exceptions were noted relative to this policy through our FY2023 detailed testing; however, there were no secondary reviews documented to validate the amounts being awarded to students were complete and accurate and consistent with the policy.
- *Reporting* - We selected the March 31, 2023 and June 30, 2023 quarterly HEERF reports for testing and we were unable to obtain support in an auditable format to agree the student information in question 2(b) within these reports to underlying detail. Additionally, through our review of support in the June 30, 2023 report, in question 3(b) for the following sub-question: "Purchasing, leasing, or renting additional equipment or software to enable distance learning, or upgrading campus wi-fi access or extending open networks to parking lots or public spaces, etc." it was noted \$127,450 was allocated to this purpose. Through review of the underlying detail, we noted \$19,250 related to paying 50% of a subscription renewal for the period March 31, 2023 through March 31, 2024. Three of the six months paid at this time towards the subscription, totaling \$9,625 are outside of the period of performance and should not have been charged to HEERF.

#### **Cause**

We understand the campus had turnover during FY2021 and FY2022 and as such, individuals managing the cash management aspect of the program were not familiar with the HEERF guidelines. As it pertains to the student eligibility controls, the financial aid office at this campus is small and with a detailed awarding policy, system reports tailored to identify eligible students and an urgency to get out funds to students in need, they did not believe a second review of the student awards was necessary. In terms of the quarterly reports, support was not retained to support how the numbers in the reports selected were generated and it was unable to be reproduced in an auditable format. Finally, regarding the invoice that should not have been charged to HEERF, 50% of the subscription for the period March

# **University of California**

## **Schedule of Findings and Questioned Costs**

### **Year Ended June 30, 2023**

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31, 2023-March 31, 2024 was paid in FY2023 and when compiling HEERF eligible costs the period this invoice pertained to was not considered.

#### **Effect**

Lack of controls specific to cash management can lead to not managing federal cash appropriately, including incurring interest that was not remitted. The lack of eligibility reviews could lead to students being incorrectly awarded and lack of support for reports submitted could result in the information within the reports not being complete and accurate.

#### **Questioned Costs**

\$173,000 in interest that should have been remitted to the federal government for draw downs in advance and \$9,625 for costs related to a period outside of the period of performance.

#### **Recommendation**

While the campus spent the remainder of its HEERF funding as of June 30, 2023, we recommend policies and procedures be reviewed related to administering an “ad hoc” emergency financial aid program to the extent one were to arise in the future. Additionally, the campus should revisit controls around the student aid awarding process more broadly and determine if there are any gaps relevant to these observations. Regarding the reporting, we recommend management recreate support for the quarterly reports in an auditable format to the extent they need to be reproduced for the Department of Education and/or for other audit purposes and enhance their policies and procedures around support required when submitting federal or other required reports.

#### **Management's Views and Corrective Action Plan**

Management's response is included in “Management's Views and Corrective Action Plan” included at the end of this report after the summary schedule of status of prior audit findings.

### **2023-006 – Completeness and accuracy of certain programs on the Prior Year Schedules of Expenditures of Federal Awards (SEFA) - (Significant Deficiency)**

**Cluster:** Not applicable

**Sponsoring Agency:** Department of Health and Human Services (DHHS) - Health Resources and Services Administration (HRSA), Department of Education (ED) and Federal Emergency Management Agency (FEMA)

**Award Names:** COVID-19 Provider Relief Fund and ARP (ARP) Rural Distribution (PRF), COVID-19 Higher Education Emergency Relief Fund (HEERF) Student Portion, COVID-19 Disaster Grants – Public Assistance (Presidentially Declared Disasters) and Maternal and Child Health Federal Consolidated Programs

**Award Numbers:** Various

**Assistance Listing Titles:** COVID-19 Provider Relief Fund and American Rescue Plan (ARP) Rural Distribution, COVID-19 Disaster Grants – Public Assistance (Presidentially Declared Disasters), COVID-19 Higher Education Emergency Relief Fund (HEERF) Student Aid Portion, COVID-19 HEERF Institutional Aid Portion, COVID-19 HEERF Minority Serving Institutions and Maternal and Child Health Federal Consolidated Programs

**Assistance Listing Number:** 93.498, 97.036, 84.425E, 84.425F, 84.425L, 93.110

**Award Year:** 2020-2021, 2021-2022, 2019-2020, 2021-2023

**Pass-through entity:** Not applicable

#### **Criteria**

2 CFR 200.510 *Financial statements* requires auditees to prepare a schedule of expenditures of Federal awards for the period covered by the auditee's financial statements which must include the total Federal awards expended as determined in accordance with 2 CFR 200.502. The information presented should be consistent with the accounting records and other federal guidance.

# **University of California**

## **Schedule of Findings and Questioned Costs**

### **Year Ended June 30, 2023**

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#### **Condition**

The following errors were identified related to COVID-19 funding that was improperly excluded from prior year SEFAs and is being included in the FY2023 SEFA along with two issues related to current year activity that has been adjusted in the FY2023 SEFA:

- FEMA
  - One campus and two medical centers had FEMA funding obligated and expended in FY2021 totaling \$7.0 million, which was incorrectly excluded from the FY2021 SEFA. Management has included this amount on the FY2023 SEFA, and one of these medical centers was selected for audit testing in FY2023.
  - Three campuses and one medical center had FEMA funding obligated and expended in FY2022 totaling \$1.3 million, which was incorrectly excluded from the FY2022 SEFA.
  - One campus duplicated a project of \$6.2 million in the SEFA during the preparation process and subsequently removed it to properly state the FY2023 SEFA.
- PRF - Management at the University Office of the President brought to our attention that in the prior year, the PRF Period Two expenditures for a faculty practice group that is part of one campus, were not included on the FY2022 SEFA. This error totaled \$13.4 million and represented 4% of total Period Two PRF expenditures included on the FY2022 SEFA and 0.2% of the total FY2022 SEFA. Management has included this amount on the 2023 SEFA and the campus was selected for audit testing in FY2023.
- HEERF – One campus understated its HEERF funding by \$286 thousand in 2020, two campuses understated their HEERF funding by \$767 thousand in 2021 and four campuses understated their HEERF funding by \$3.4 million in FY 2022. As such, the University recorded an adjustment of \$4.4 million related to prior periods that increased the expenditures in the FY2023 SEFA for these previous omissions. These were identified by management through final HEERF reconciliations.

In addition to the COVID-19 errors above, we identified that assistance listing 93.110 at one campus included \$29 million of spending against accumulated program income in the FY2023 SEFA, which should have been excluded. This amount has been appropriately removed but was not identified by management through the SEFA review process.

These errors did not impact the major program determination in 2021, 2022 or 2023 when considering programs across the University as a whole but has been determined to be a significant deficiency and is considered a repeat finding of 2022-008.

#### **Cause**

The COVID-19 pandemic resulted in the receipt and expenditure of federal funds across certain University medical centers where there has previously been limited to no federal funding and also resulted in a different nature of funding at certain of the campuses. The preparation of the SEFA requires information from each campus be provided to the University Office of the President for compilation, and the aggregation of the COVID-19 PRF and FEMA funding was manual. In addition, there was limited knowledge of the federal funding at the medical centers and thus a reliance on the part of management that each campus was reporting complete and accurate information. A final reconciliation of all portal submissions compared to the amounts on the SEFA also failed to detect the omitted PRF and FEMA expenditures in 2021 and 2022.

Additionally, regarding the omitted HEERF amounts, the campuses did not discover the errors until reconciling FY2023 amounts to the GL and total award spending.

Lastly, the campus used a federal general ledger code to track spending on accumulated program income and did not identify this as a code that should be excluded by the University Office of the President when accumulating the SEFA.

**University of California**  
**Schedule of Findings and Questioned Costs**  
**Year Ended June 30, 2023**

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**Effect**

A SEFA that is not complete and accurate could impact the scoping of an entity's major programs and result in incomplete information being provided to the federal government.

**Questioned Costs**

None noted.

**Recommendation**

We recommend updates on nonrecurring federal programs (e.g., FEMA, HEERF and PRF) at each campus (including the medical centers) be periodically provided to the team at the University Office of the President that is responsible for the compilation of the SEFA. This will allow for a more comprehensive understanding of the campus grant activity for these programs and the ability to better review and assess the completeness and accuracy reported for these programs on the University's year-end SEFA, inclusive of these programs. One means by which this might be accomplished is to develop a checklist of anticipated awards by campus in advance of the year and also complete an interim SEFA to identify inconsistencies earlier in the fiscal year. We recommend the campuses review the interim SEFA for completeness and accuracy and provide a formal sign-off/approval to the University Office of the President.

**Management's Views and Corrective Action Plan**

Management's response is included in "Management's Views and Corrective Action Plan" included at the end of this report after the summary schedule of status of prior audit findings.

**University of California**  
**Summary Schedule of Status of Prior Audit Findings**  
**Year Ended June 30, 2023**

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**2021-002 – Subrecipient Monitoring**

**Cluster:** Research & Development

**Sponsoring Agency:** Various across two campuses

**Award Name:** Various across two campuses

**Award Number:** Various across two campuses

**Assistance Listing Title:** Various across two campuses

**Assistance Listing Number:** Various across two campuses

**Award Year:** 2020 – 2021

**Pass-through entity:** Various across two campuses

**Condition**

- Through PwC's testing of 25 subrecipients at one campus, one instance was noted where the subrecipient Uniform Guidance report reviewed had findings associated with an award passed-through from this University campus. When inquiring as to what follow-up procedures were performed, the campus noted that they do not perform follow-up procedures if the subrecipient has been identified as low-risk within the subrecipient's Uniform Guidance report. This is not consistent with requirements under the Uniform Guidance, which require follow-up and the issuance of a management decision when there are subrecipient findings pertaining to an award passed-through to another organization. This was an over-arching policy issue at the campus and thus additional reviews may have not been performed across the subrecipient population at this campus.
- Through PwC's testing of 25 subrecipients at a second campus, there was no evidence indicating when subrecipient Uniform Guidance reports were reviewed. PwC was able to obtain a checklist completed for each subrecipient by management, however:
  - The checklists were not dated and thus it was unclear when the checklists were completed.
  - The checklists noted the Uniform Guidance report of the subrecipient was reviewed, but it was unclear which fiscal year report management reviewed.
  - There was no documentation on the checklists as to whether there were findings or issues noted through review of the subrecipient Uniform Guidance report that need further consideration or documentation.

**PwC Recommendation**

PwC recommended the first campus reassess its subrecipient monitoring policy to ensure that any Uniform Guidance reports with relevant subrecipient findings have appropriate follow-up procedures performed. PwC recommended the second campus enhance its subrecipient monitoring checklist to explicitly include a date the checklist was prepared and reviewed and that additional detail be added to document the nature of the information in the Uniform Guidance report that was reviewed (e.g., type of opinion, any applicable findings, follow-up action taken, etc.).

**Actions Taken**

Given the timing of the University's FY2021 Single Audit and management's corrective action plan, this finding remained open throughout FY2022 and thus in FY2023, the campuses impacted took the following actions:

Campus One

There is a new manager over the outgoing sub-award team since the findings occurred. The manager has taken over the sub-recipient monitoring process for the contract officers. A full review of all audits containing findings regardless of the determined auditor's risk level that was assigned. The manager now follows up with the subrecipients on findings affecting this campus's pass-through awards and has developed a Single Audit Certification form for findings that involve multiple pass-through entities or multiple audited entities. The corrective action plan is fully implemented.

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**Campus Two**

As of July 2022, the Risk Assessment Questionnaire was enhanced to explicitly state the date of review, the period of review (audit fiscal year), and details for the information that was reviewed (findings, corrective action plans, etc.), the outcome of the review (relevant findings), and any follow-up or actions taken. The Risk Assessment Questionnaire is required for new and continuing subawards. The enhancement helps provide additional information and clarity to subrecipient monitoring. The corrective action plan is fully implemented.

**2021-003 – Suspension and Debarment**

**Cluster:** Research & Development

**Sponsoring Agency:** Various across three campuses

**Award Name:** Various across three campuses

**Award Number:** Various across three campuses

**Assistance Listing Title:** Various across three campuses

**Assistance Listing Number:** Various across three campuses

**Award Year:** 2020 – 2021

**Pass-through entity:** Various across three campuses

**Condition**

- When testing of 25 transactions greater than \$10,000 at one campus, PwC noted nine instances where a suspension and debarment check was not performed prior to payment of the vendor. On average, these checks were 330 days after the payment date.
- Through PwC's testing at a second campus, it was noted that campus policy required SAM.gov support be attached as part of the purchasing package. However, if the vendor cannot be located on SAM.gov, the UCOP Debarment/Anti-Lobby form would be sent to the vendor to certify that the vendor was not suspended or debarred. For two out of 25 selections, the Purchasing department was unable to provide either form of support.
- Through PwC's testing at a third campus, there is a policy that a SAM.gov check be attached to each purchase order. Through PwC's testing of 25 selections, 11 instances were noted where the SAM.gov check was performed after the execution of the purchase order and eight instances where no SAM.gov support could be provided.

**PwC Recommendation**

PwC recommended the affected campuses review their policies and procedures specific to suspension and debarment checks and provide training to personnel. To the extent a third-party servicer is used for suspension and debarment purposes, it was recommended that the role of that servicer should be understood by all personnel, including when it can and cannot be relied upon.

**Actions Taken**

Given the timing of the University's FY2021 Single Audit and management's corrective action plan, this finding remained open throughout FY2022 and thus in FY2023, the campuses impacted took the following actions:

**Campus One**

Special training has been provided to all Procurement staff, both central and department buyers, with the training being available for everyone's review on the Procurement website. Our requisition and Purchase Order system is programmed, such that purchases on Federal Funds get flagged during the approval process reminding the buyer to upload the debarment certification to the requisition/PO prior to approval. The training and reminder flag in the system have been very effective in ensuring compliance.

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**Campus Two**

The comment remained opened for FY2023. With the new systems, orders will fall into two overall categories: Department Orders and Procurement and Contracting Services (PCS) Orders.

- Department orders are those which the department has been delegated the authority to place and include AggieBuy Orders (placed against an approved catalog agreement) and Sourced Agreements (either those done through a RFP process by UCOP or UCD Strategic Sourcing). Department orders are master agreements and made available to the campus departments without a PCS buyer touching it. With Department Orders, an agreement is set up with the supplier, and suppliers are checked both initially at time of RFP and on a monthly basis for debarment and exclusion by the Vendor Desk Team. If the Vendor Desk Team finds a match, then the supplier would be inactivated, and Purchase Orders could not be finalized. By March 2024, campus will employ Descartes Visual Compliance software to check suppliers for debarment and exclusion on a daily basis. If any matches are found, the supplier will be inactivated, and Purchase Orders will not be finalized.
- PCS Orders follow the UCOP Federal Fund Checklist. UCOP PCS will check for debarment on all orders, first via Sam.Gov. If a supplier is not located through the search, the UCOP Debarment Certification Form is sent to the supplier for signature. Training for PCS buyers will be done on a biannual basis to cover the proper procedures and documentation required. Buyer training includes documentation requirements, Federal Funds Checklist, and SAM.gov navigation instructions.

**Campus Three**

In August 2022, training was conducted for all buyers covering the requirements for purchases on federal funds. The training was recorded, and links made available on the Procurement website and published in the Procurement Newsletter for ongoing education. Additionally, refresher training was provided to Procurement Services in August 2022 on the Uniform Guidance requirements and institutional procedure. The Purchasing Services staff has been retrained on documentation requirements when a transaction uses federal funds. Additionally, documented standard operating procedures outlining the steps required to verify debarment have been developed and shared with the staff. The campus stance on the UC Federal Funds Checklist is that for anything over \$10,000, SAM.gov\* will be the preferred method for checking Debarment Verification. If the Supplier is not listed on SAM.gov, the Purchasing staff will then issue the Debarment Certification to the supplier to complete prior to the posting of the Purchase Order. This manual process will be followed until Descartes Visual Compliance and the new eProcurement system is implemented in January 2024.

Last, in September 2022, the KFS system was modified to include a flag anytime a requisition is submitted on Federal funds for over \$10,000. For these requisitions, a minimum of three comparison quotes must be secured and documented, and the conflict of interest section VIII of the Source Selection Justification Form must be completed, signed, and attached.

While these processes were put in place, exceptions were noted in the current year testing. Please refer to finding 2023-004 for additional details.

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**2021-004 – Cash management**

**Cluster:** Research and Development

**Sponsoring Agency:** Various for one campus

**Award Name:** Various for one campus

**Award Number:** Various for one campus

**Assistance Listing Title:** Various for one campus

**Assistance Listing Number:** Various for one campus

**Award Year:** Various for one campus

**Pass-through entity:** Various for one campus

**Condition**

In testing compliance with the cash management compliance requirement in accordance with the OMB Compliance Supplement, specifically the reimbursement method, 25 individual expenditures at one campus (100 collectively across four campuses) were tested to compare the date the University paid the vendor to the date the University requested sponsor reimbursement. PwC noted six out of 25 instances at one campus in which reimbursement was requested from the sponsor before the University paid the vendor.

**PwC Recommendation**

PwC recommended that the University revisit existing internal control procedures to ensure expenditures are paid in compliance with Federal reimbursement requirements.

**Actions Taken**

OMB has brought the 2023 Compliance Supplement in alignment with the requirements for cash management as written in 2 CFR Part 200.305(b), and the auditors did not note any findings in the cash management testing for the FY2023 audit.

**2022-001: IT General Controls for Retirement System (Significant Deficiency)**

**Condition**

The University implemented Redwood, a retirement recordkeeping system in March 2019, which is used throughout the University, except Benioff Children's Hospital & Research Center Oakland. The University partners with a vendor to perform hosting of the system and certain IT controls responsibilities are outsourced to the vendor for the retirement system, including:

- Granting/revoking database level access including database administrator privileged access (i.e. provisioning/deprovisioning);
- Developing, testing and migrating changes into production, as well as ensuring segregation of duties between developers and migrators, and
- Restricting access to the job scheduler used to run the new retirement system jobs.

While the University has processes over those IT activities within their control, the University relies on the vendor for the execution of the aforementioned key IT general controls. In situations where significant operations are subject to third party oversight, service organizations will typically provide users with an AICPA Systems & Organization Controls audit report that specifically addresses the design and operating effectiveness of internal controls (SOC 1 Type 2 report).

In 2019, documentation could not be provided by the vendor to evidence the design, implementation, and operation of key IT controls. The result was the absence of key vendor IT controls over the making and migrating of changes, granting/revoking database level access, and restricting access to the job scheduler, which results in the University having no IT controls on the ongoing validity, completeness or

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accuracy of the data processed in the retirement system or in the reports generated from the retirement system.

The University has previously received SOC 1 Type 2 reports for Redwood, however, management ultimately concluded the reports were insufficient in order to determine the effectiveness of key IT controls at the service provider.

**PwC Recommendation**

It was recommended the University undertake actions to have the aforementioned IT general controls related to the retirement system designed and implemented appropriately, including maintaining the evidence of operating effectiveness of related controls.

**Actions Taken**

Please refer to our response to finding 2023-001 for an update on this matter as a whole, which is included in "Management's Views and Corrective Action Plan" at the end of this report after the summary schedule of status of prior audit findings.

**2022-002 – Reporting into the Common Origination and Disbursement (COD) System**

**Cluster:** Student Financial Assistance

**Sponsoring Agency:** Department of Education (ED)

**Award Names:** Federal Pell Grant Program and Federal Direct Student Loans

**Award Numbers:** Not applicable

**Assistance Listing Titles:** Federal Pell Grant Program and Federal Direct Student Loans

**Assistance Listing Numbers:** 84.063 and 84.268

**Award Year:** 2021-2022

**Pass-through entity:** Not applicable

**Condition**

Through PwC's testing of 100 selections across four campuses, they noted at one campus that the date of disbursement per the COD did not match the date per the student account detail for 12 out of 25 selections. Additionally, five of the 25 selections were not reported to the COD within 15 calendar days of the disbursement to the student. On average, the five disbursements were reported nine calendar days late. Lastly, for one selection, a student was reported into the COD eight days before the disbursement, which is one day earlier than permitted by the regulation.

**PwC Recommendation**

PwC recommended the campus provide additional training on COD reporting requirements, including on the disbursement dates that should be reported and the timeline for reporting and that additional reviews be considered to identify potential errors prior to submission into the COD.

**Actions Taken**

The campus impacted took the following action:

This comment remained open throughout FY2023. The Oracle SFP system implementation is on track and the new financial aid management system will eliminate this challenge. The first phase of Oracle SFP is on track to go live in January 2024, and will be fully in place to manage our enhanced disbursement process for fall 2024 starting July 2024. A new fiscal analyst was hired to support the fiscal unit, and aid in the timely review of disbursement variances. The fiscal team meets bi-weekly to review processes and procedures and prioritize workload to ensure compliance. 2023-24 variance review began August 11, 2023.

We have one additional open position that we are looking to hire to support the fiscal unit. We continue

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to review reports in order to resolve variances between COD and our aging system in a timely manner.

We will continue to monitor variance reports to resolve issues and ensure compliance.

**2022-003 – Return of Title IV Funds**

**Cluster:** Student Financial Assistance

**Sponsoring Agency:** Department of Education (ED)

**Award Names:** Federal Supplemental Educational Opportunity Grants (FSEOG), Federal Pell Grant Program and Federal Direct Student Loans

**Award Numbers:** Not applicable

**Assistance Listing Titles:** Federal Supplemental Educational Opportunity Grants (FSEOG), Federal Pell Grant Program and Federal Direct Student Loans

**Assistance Listing Numbers:** 84.007, 84.063 and 84.268

**Award Year:** 2021-2022

**Pass-through entity:** Not applicable

**Condition**

Through PwC's testing of 100 students with Title IV awards who withdrew or otherwise left the University across four campuses, they noted the following at two campuses:

- 25 students were selected for testing at one campus and six of those 25 selections required a Title IV refund be submitted to ED. In five out of six of these instances, the refund was not submitted to ED within 45 days. On average, they were submitted 61 days late.
- 25 students were selected for testing at one campus and 15 of those 25 selections required a Title IV refund be submitted to ED. In two out of 15 of these instances, the refund was not submitted to ED within 45 days. On average, they were submitted 17 days late.

**PwC Recommendation**

PwC recommended both campuses review their staffing and training protocols to ensure in the event of turnover that there are no gaps in the management Title IV refund requirements.

**Actions Taken**

The campuses impacted took the following actions:

Campus One

This comment remained open throughout FY2023. The Oracle SFP system implementation is on track and the new financial aid management system will enhance our R2T4 capabilities through automation and enhanced reporting. A new fiscal analyst was hired to support the fiscal unit, and aid in the timely identification and review of R2T4 scenarios. The fiscal team meets bi-weekly to review processes and procedures and prioritize workload to ensure compliance. We have one additional open position that we are looking to hire to support the fiscal unit. The search is ongoing, and the position will be filled as soon as possible.

The mitigation efforts are manual but effective to ensure compliance. We will continue to monitor our student withdrawal reports to ensure timely and accurate R2T4 processing.

With the implementation of Oracle SFP, this issue will be eliminated. The first phase of Oracle SFP implementation is ongoing and we will transition to Oracle SFP to manage the 2024-25 financial aid cycle. The FAME system will be retired at the conclusion of the 2023-24 aid year in September 2024.

Campus Two

The audit finding was a direct result of staff transitions during the pandemic. However, now that our staffing levels for the impacted area is stable, processing is being completed on time.

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The Program Manager for Pell Grant met with our TechOps people in October 2022 to ensure that the Pell reports were being run weekly. They determined the best method of communication between IT and our department, to ensure that these reports are worked weekly to eliminate any delay in reporting Pell to COD. The program manager also did extensive training with the Pell team that covered the following topics:

- 2/1/23 – Foreign Address Reject Correction process
- 2/8/23 – FAFSA Comment code (C – Codes) review and corrects for Pell, not eligible flags
- 2/15/23 – SSNPAR and FAFSA corrections
- 2/22/23 – Tran Mismatch, 3/5/23 – Federal Pell Overpay, 6/6/23 – Transfer Monitoring

Through the clarification of the best method of communication between our TechOps department and the Pell Program Manager, along with the extensive training that was completed with the fully staffed Pell team, we have been working and clearing our Pell errors weekly.

**2022-004 – Enrollment Reporting**

**Cluster:** Student Financial Assistance

**Sponsoring Agency:** Department of Education (ED)

**Award Names:** Federal Pell Grant Program and Federal Direct Student Loans

**Award Numbers:** Not applicable

**Assistance Listing Titles:** Federal Pell Grant Program and Federal Direct Student Loans

**Assistance Listing Numbers:** 84.063 and 84.268

**Award Year:** 2021-2022

**Pass-through entity:** Not applicable

**Condition**

Through PwC's testing of 100 enrollment reporting selections across four campuses, they noted the following at two campuses:

- For three of 25 selections at one campus, PwC noted that the effective date of the change per NSLDS did not agree to the effective date of the actual status change per the student file. In each of these instances, the student was changing from part-time to full-time.
- For four of 25 selections at a third campus, PwC noted that the students were reported as withdrawn when they should have been reported as graduated.

**PwC Recommendation**

PwC recommended management implement controls to identify inconsistencies in enrollment reporting information and to ensure COD error reports are resolved in a timely manner.

**Actions Taken**

The campuses impacted took the following actions:

**Campus One**

The mismatch between the enrollment effective dates on the Campus Level and Program Level reports identified by PwC occurred due to a bug in the Campus Solutions system during the calculation of enrollment status change dates. The campus-level status date was sometimes incorrectly set as blank, which was then set to the term start date by NSLDS import process.

As of September 14, 2022, the Office of the Registrar has modified the program that creates the NSLDS data file to correct the blank status dates, removing the mismatches that were found by PwC. This ensures that the Campus Level and Program Level effective date matches.

The mismatch resulted from a programming error in the delivered COBOL program. This program

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continues to generate the same errors, but the downstream process that generates the NSC data file catches and fixes them. No monitoring is needed because this downstream process cannot send a blank value; it sets all blank campus-level status dates to be equal to the program-level status date for the row, and this value is never blank.

PwC remediation testing revealed that the programming fix to correct enrollment status dates that was put in place in Fall 2022 is working as designed, but in fact the scope of that fix was too narrow. Additional cases were discovered where the first day of the term is being substituted for the correct status change date. We did not see these before because they are occurring in instances where there was no change in enrollment status. For the previous remediation, our test bed and targeted fix was only for rows where the enrollment status had changed over the previous week.

As with the previous problem, these incorrect status dates occurred due to a bug in the vendor-delivered program. . The Office of the Registrar has successfully tested a fix to modify the program that provides enrollment reporting to National Student Clearinghouse (NSC). Due to the timing of our Spring term beginning and being able to use this data for the testing file; the modification is now scheduled to be implemented on February 29, 2024.

**Campus Two**

As planned, we started sending a graduated status in our enrollment files in March 2023. Moreover, we check and resolve all error reports that are generated when we send degree files to ensure that the enrollment records are updated with a graduated status.

We have not identified any cases in which students who graduated in spring 2023 do not have a graduated status in Clearinghouse records.

**2022-005 – HEERF Institutional portion unallowable costs**

**Cluster:** Not applicable

**Sponsoring Agency:** Department of Education (ED)

**Award Names:** COVID-19 Higher Education Emergency Relief Fund (HEERF) II and III Institutional Portions

**Award Numbers:** P425F202269 and P425F201852 - 20A

**Assistance Listing Title:** COVID-19 HEERF Institutional Portion

**Assistance Listing Number:** 84.425F

**Award Year:** 2020-2022

**Pass-through entity:** Not applicable

**Condition**

Through PwC's testing of 75 institutional portion costs across three campuses, they noted the following at two campuses:

- One out of 25 selections tested at one campus related to \$250 scholarships awarded to 19 students totaling \$4,750 for summer 2021. These scholarships were awarded to students participating in an early start academy to help the student prepare for future academic success. This scholarship program was not related to awarding funds to students for emergency costs arising due to COVID-19 or for elements of the cost of attendance, as defined in the criteria above. In total, \$58,000 in awards were made to students under this scholarship program in FY2022, which were not allowable costs per HEERF guidelines.
- At a second campus, PwC performed testing over \$21,803,672 claimed in lost revenue, which was supported in part by \$6,103,672 of lost rental revenue. Through PwC's testing of individual leases making up the lost rental revenue, they noted:
  - One lease arrangement totaling \$1,345,330 was selected for testing and this lease should

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- have been excluded from the analysis.
- One lease in which the supporting spreadsheet calculation of lost revenue was incorrect, resulting in an overstatement of lost revenue of \$39,000.
- Additionally, at the second campus, for each of PwC's seven fringe benefit selections, totaling \$19,581 they were unable to obtain support for the 52% fringe benefits rate used to derive the amount charged to the award.

**PwC Recommendation**

PwC recommended management at the first campus review any future scholarship programs being funded with HEERF institutional funds to ensure they meet the criteria laid out in the HEERF certification and agreement.

PwC recommended that management at the second campus review their lease tracking and management process and formalize controls over the review of future lost revenue analyses. Additionally, they should ensure support for all costs charged to the HEERF award can be fully supported, including support for the fringe benefits rate being charged.

Additionally, in both of these scenarios, PwC recommended management to reverse these transactions, update quarterly HEERF reports, as needed, and determine if the funds can be used for other allowable purposes and/or return the funds to the federal government.

**Actions Taken**

The campuses impacted took the following actions:

Campus One

Questioned costs were reversed on the March 2023 ledgers for the erroneously awarded scholarships to students. Campus filed the corrected March 2023 report reflecting the correction in the general ledger and updated the report with the following additional explanation in January 2024: "In response to audit findings, funds are being returned that a department erroneously applied to student accounts as scholarships which did not comply with HEERF guidelines. These expenses were originally reported on the 2021 Q4 report."

Campus Two

In October 2022, a HEERF revenue loss request template was developed and distributed to campus Financial Officers. The financial data collected in the temples were to be accompanied with the GL level detail supporting the revenues and expenses summarized in the template. The templates were reviewed in detail by the Campus Budget Office and then reviewed in summary with the CFO before HEERF funds were allocated.

The campus Recharge Advisory Committee engaged with Temporary Employment Services (TES) to formalize their recharge rate review proposal with a final review with the committee scheduled for October 2023.

The TES recharge rate review was delayed because of an extended leave for a key person within TES. However, the review was delayed because of an extended leave for a key person within TES. Final approval of the recharge rate proposal was done on December 20, 2023.

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**Summary Schedule of Status of Prior Audit Findings**  
**Year Ended June 30, 2023**

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**2022-006 – Quarterly Higher Education Emergency Relief Fund (HEERF) Reporting**

**Cluster:** Not applicable

**Sponsoring Agency:** Department of Education (ED)

**Award Names:** COVID-19 Higher Education Emergency Relief Fund (HEERF) Student Portion and COVID-19 HEERF Supplemental Assistance to Institutions of Higher Education (SAIHE) Program

**Award Numbers:** P425F202269 and P425S210019

**Assistance Listing Titles:** COVID-19 HEERF Student Portion and COVID-19 HEERF SAIHE Program

**Assistance Listing Number:** 84.425E and 84.425S

**Award Year:** 2020-2022

**Pass-through entity:** Not applicable

**Condition**

Through PwC's testing of 14 quarterly student and institutional reports across four campuses, they noted the following at one campus:

- Through PwC's testing, they reconciled the total cumulative student spending as reported on the June 30, 2022 quarterly report to the total cumulative spending of the student portion at this campus and noted that total student funds reported were \$1,505,755 in excess of the cumulative awards actually spent. This variance represented 50% of this campus's award under 84.425S, which was awarded to students, however, this should not have been included in the 84.425E totals.
- The June 30, 2022 quarterly report was also submitted two days late.

**PwC Recommendation**

PwC recommended we amend our June 30, 2022 report to include the correct amounts and assess whether any other quarters were impacted. Additionally, they recommended we implement a control to review proper classification of funds in future quarterly reports and to ensure timely submission.

**Actions Taken**

The campus impacted took the following action:

Due to the separate reporting of Financial Aid and the Institutional portions related to the HEERF funds, we erroneously included 50% of the SAIHE funding that was allocated out to students as Emergency Grants into the Financial Aid reporting. When the Financial Aid portion was added to the Institutional format, the error was not immediately noted on the quarterly reports until the annual audit. However, the annual report submitted in the federal portal accurately reported the SAIHE funding. As a result of the audit, the Financial Aid department updated the 2022 Q2 report and the quarterly reports that followed and the revised reports were posted on the campus website in early February 2024.

**2022-007 – HEERF Procurement, Suspension and Debarment**

**Cluster:** Not applicable

**Sponsoring Agency:** Department of Education (ED)

**Award Names:** COVID-19 Higher Education Emergency Relief Fund (HEERF) Institutional Portion

**Award Numbers:** P425F202269

**Assistance Listing Title:** COVID-19 HEERF Institutional Portion

**Assistance Listing Number:** 84.425F

**Award Year:** 2020-2022

**Pass-through entity:** Not applicable

**Condition**

Through PwC's testing of 12 selections across three campuses (out of a population of 54 across all three campuses) for both procurement and suspension and debarment, they noted the following for two out of three transactions selected for testing at one campus:

**University of California**  
**Summary Schedule of Status of Prior Audit Findings**  
**Year Ended June 30, 2023**

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- Missing original Source Selection & Price Reasonableness justification forms demonstrating appropriate procurement decisions and approval took place prior to the transactions, which are required at this campus for transactions greater than \$10,000.
- Management could not provide evidence that suspension and debarment checks were performed prior to purchase.

**PwC Recommendation**

PwC recommended that we reassess our document retention protocols and ensure controls are in place to ensure complete and accurate files, inclusive of timely suspension and debarment checks.

**Actions Taken**

The campus impacted took the following actions:

The Chief Procurement Officer (CPO) presented and discussed the Federal Funds Compliance and Suspension & Debarment requirements to central procurement staff on 9/9/2022, 4/14/23 and 9/22/23.

The regular discussions and reference documents have been effective in outlining requirements and expectations. Staff annually document their acknowledgment of the requirements. The Campus completed this implementation in December 2023.

**2022-008 – Completeness and accuracy of certain COVID-19 programs on the Prior Year Schedule of Expenditures of Federal Awards (SEFA) - (Significant Deficiency)**

**Cluster:** Not applicable

**Sponsoring Agency:** Department of Health and Human Services (HHS) - Health Resources and Services Administration (HRSA) and Department of Education (ED)

**Award Names:** COVID-19 Provider Relief Fund (PRF) and COVID-19 Higher Education Emergency Relief Fund (HEERF) Institutional Portion

**Award Numbers:** Not applicable and P425F202269

**Assistance Listing Titles:** COVID-19 Provider Relief Fund and American Rescue Plan (ARP) Rural Distribution and COVID-19 HEERF Institutional Portion

**Assistance Listing Number:** 93.498 and 84.425F

**Award Year:** 2020-2021 and 2020-2022

**Pass-through entity:** Not applicable

**Condition**

The following errors were identified in the University's FY2021 SEFA:

- Management at the University Office of the President brought to our attention that in the prior year, the PRF Period One expenditures at one hospital that was part of a certain medical center with multiple portal submissions, was not included on the University's SEFA. This error totaled \$26,358,874 and represented 6% of total Period One PRF expenditures included on the SEFA and 0.4% of the University's total SEFA. Exclusion of this amount did not impact PwC's major program determination in FY2021 or their scoping of the PRF major program across the University as a whole. Management included this amount on the FY2022 SEFA.
- Through their discussions with management at a second campus, PwC identified two additional PRF portal submissions were excluded from the FY2021 SEFA, as follows: Period One \$473,339 and Period One \$11,962. These submissions were also included in the FY 2022 SEFA.
- Through PwC's testing at a third campus, they noted that the FY2021 HEERF institutional funds expended per management's analysis did not agree to the amount reported on the FY2021 SEFA. The amount reported in FY2021 was understated by \$1,296,498. This amount was not material to HEERF or to the FY2021 SEFA as a whole. This amount was also included in the FY2022 SEFA.

**University of California**  
**Summary Schedule of Status of Prior Audit Findings**  
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**PwC Recommendation**

PwC recommended updates on atypical federal programs (e.g., HEERF and PRF) at each campus (including the medical centers) be periodically provided to the team at the University Office of the President that is responsible for the compilation of the SEFA. This would allow for a more comprehensive understanding of the campus grant activity for these programs and the ability to better review and assess the completeness and accuracy reported for these programs on the University's year-end SEFA, inclusive of these programs. One means by which this might be accomplished is to develop a checklist of anticipated awards by campus in advance of the year and also complete an interim SEFA to identify inconsistencies earlier in the fiscal year. PwC recommended the campuses review the interim SEFA for completeness and accuracy and provide a formal sign-off/approval to the University Office of the President. They also recommended formal review of the final year-end SEFA be evidenced by the Systemwide Controller or other appropriate personnel.

**Actions Taken**

Please refer to our response to finding 2023-006 for an update on this matter as a whole, which is included in "Management's Views and Corrective Action Plan" at the end of this report after the summary schedule of status of prior audit findings.



OFFICE OF THE ASSOCIATE VICE PRESIDENT—  
SYSTEMWIDE CONTROLLER

OFFICE OF THE PRESIDENT  
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Oakland, California 94607-5200

**MANAGEMENT'S VIEWS AND CORRECTIVE ACTION PLAN  
REPORT ON AUDIT OF FINANCIAL STATEMENTS AND ON FEDERAL AWARD PROGRAMS IN  
ACCORDANCE WITH 2 CFR 200, *UNIFORM GUIDANCE*, FOR THE YEAR ENDED JUNE 30,  
2023**

**2023-001 – IT General Controls for Retirement System (Significant Deficiency)**

The University continues to work with the vendor to enhance internal IT control issues. The vendor has committed to provide a third-party SOC2 Type 2 audit report for security, confidentiality, and availability of the Redwood System.

The University has continued to perform compensating controls to mitigate the risks associated with the vendor support and hosting of the system. These controls include checking changes made by the vendor who has production access for data fixes and code changes to verify that the changes made to production were approved by the University. Effective December 2023, the University of California Office of the President (UCOP) migrated the Redwood System from the vendor managed environment to UCOP Information Technology Services (ITS) managed environment. Simultaneously, the application support has also moved from the vendor to UCOP ITS. With these transitions, the University now has complete oversight of security issues on a go forward basis.

For inquiries regarding this finding, please contact Cheryl Lloyd at (510) 987-9289 who is responsible for the corrective action.

**2023-002 – Transfer of costs from HEERF to FEMA not reported in HEERF quarterly report**

**Cluster:** Not applicable

**Sponsoring Agency:** Department of Education (ED)

**Award Name:** COVID-19 Higher Education Emergency Relief Fund (HEERF) – Institutional Portion

**Award Number:** P425F202631 - 20B

**Assistance Listing Title:** COVID-19 - Education Stabilization Fund

**Assistance Listing Number:** 84.425F

**Award Year:** 2020-2021

**Pass-through entity:** Not applicable

The campus amended the March 31, 2021, quarterly HEERF institutional report by prominently highlighting the modifications.

- A revised report has been uploaded to the campus website (UCLA Financial Aid and Scholarships – HEERF Institutional Portion Reports) alongside the other completed quarterly HEERF reports.
- In accordance with ED guidelines, the old report has been replaced with the updated version, clearly indicating the date of the revision.

For inquiries regarding this finding, please contact Selina Martin at [selinamartin@finance.ucla.edu](mailto:selinamartin@finance.ucla.edu) who is responsible for the corrective action.

## **2023-003 – Equipment and real property management**

**Cluster:** Research and Development

**Sponsoring Agency:** Various

**Award Names:** All awards for 3 campuses with federal equipment expenditures in the SEFA

**Award Numbers:** Various

**Assistance Listing Titles:** Various

**Assistance Listing Numbers:** All awards for 3 campuses with equipment expenditures in the SEFA

**Award Year:** 2022-2023

**Pass-through entity:** All pass-through awards for 3 campuses with equipment expenditures in the SEFA

### Campus One

Actions already taken:

- Controller's Office-Capital Accounting had been aware of past due inventories throughout the pandemic caused by on-site restrictions departmental asset custodians faced in their accessibility to complete inventories. Once the federal state of emergency was lifted in May 2023, the Capital Accounting team presented a status update on outstanding inventory counts to UCSF's Control Points Financial Officers (Control Points) to obtain Control Point's assistance in bringing awareness of the need to bring inventory counts to current status, Capital Accounting began sending quarterly reports on overdue counts. Since this increased communication, there have been improvements in response rates and action taken by departmental custodians.
- In October 2023, Capital Accounting also conducted outreach to departmental asset custodians in the form of a feedback survey with the goal to seek information on how our custodians have returned to work, difficulties they have with the inventories they are assigned, and if they need clarifications on the training surrounding capital asset policy and procedures. As a result of our custodian outreach, Capital Accounting learned that most custodians are on-site and can perform their physical inventories, so the shelter in place restrictions are no longer a barrier in completing these physical inventories. We also identified the need for additional training for departmental asset custodians to ensure ongoing understanding of related policy and procedures, such as physical inventory counts.
- Additionally, additional metrics were added to the quarterly Controller's Office Operational Metrics Report to now include outstanding inventories at a campus departmental level. This provides an opportunity for the Controller and other leaders within central finance administration to have better visibility on our efforts surrounding this key control.

Additional Actions to be taken:

- A deadline of June 30, 2024, will be communicated to all custodians to bring their inventories up to date.
- The Controller's Office has been developing content and plans to begin hosting bi-monthly town halls in March 2024 with department custodians to provide hands on support in assisting with their counts. We also plan to update our training materials surrounding the tools (PeopleSoft) department custodians utilize for updating asset information with the goal

for inventory results to be entered in a more timely manner. By June 2024, we will have completed our first series of live support sessions with our custodians. By September 2024, we will roll out refreshed training materials for departmental custodians. These will be training guides that will be hosted on the Controller's Office website and will be mandatory during the onboarding of the custodians.

- The Controller's Office will also partner with our Control Points in reviewing the custodian role at each of their departments. We will assess FTEs with the custodian role and evaluate the number of equipment assigned to each custodian. The goal of this custodian role review is to provide insight into the workload of each custodian as we have noted some custodians have up to 1,000 assets assigned, which is an obstacle in the inventory timeliness. In the upcoming months, we will work with each control point area with how the custodian role is assigned within their areas and make any changes if needed.
- The Controller's Office will continue sending quarterly reports to our Control Points on physical inventory status for support in escalation and follow-up with their departments. The Controller's Office will also continue to track the metrics of late inventories within quarterly reporting to central Finance leadership.

For inquiries regarding this finding, please contact Shannon Turner at [Shannon.Turner@ucsf.edu](mailto:Shannon.Turner@ucsf.edu) who is responsible for the corrective action.

### Campus Two

The University will implement changes to its biennial certification process that ensure adherence to the Uniform Guidance biennial equipment inventory requirements through the following changes:

- Update policy to require custodians to complete the Department Inventorial Equipment Certification Form within the first 18-months of the two-year measurement period.
- Implement a static measurement period (the beginning and end dates of the two-year period) for each custodian to ensure compliance with the established certification deadlines.
- Increase the number of notifications sent to custodians reminding them of their responsibility to complete the certification form to begin on the six-month anniversary of the beginning of the measurement period and will continue to send notifications every 90 days thereafter for the next 12-months (i.e. the 18-month anniversary of the beginning of the measurement period). On the 18-month anniversary, the notification frequency will increase to every 30 days until certification is completed.
- Enhance the existing monitoring procedures by providing compliance reports highlighting custodians who are out of compliance with the 18-month performance period and will send notifications to custodians, custodian supervisors, and department heads notifying them they are out of compliance with University policy.

A project plan has been developed and the system programmer engaged with an anticipated reprogramming start date of mid-March 2024 and an estimated completion date of June 2024. Biennial submissions will be closely monitored for those under the current two-year process until they are enrolled in the new process.

For inquiries regarding this finding, please contact Michael Riley at [mriley5@berkeley.edu](mailto:mriley5@berkeley.edu) who is responsible for the corrective action.

### Campus Three

Management has taken the following actions:

- Discussed directly with the specific asset custodians the need and requirement to update the equipment management system (AMS) with the last inventory date.

- It is to be noted that the two custodians who were part of the audit sample stated they had performed the physical inventory counts from downloaded excel sheet lists. However, they did not finish updating the last inventory date in AMS after completing the physical inventory.
- The custodians agreed to do a more thorough job of completing this step going forward in a timely manner, as required.
- As a part our normal annual process, we already cover the need to update these dates during the annual equipment management training done each Fall. Additionally, we will place stronger emphasis on this requirement and highlight the importance of this step at our next annual training in October/November 2024 for all custodians.

Actions to be taken:

We will follow up with e-mails to custodians and approvers who have not updated the last inventory date field. The two specific custodians are currently completing the updates to the last inventory date fields in AMS that they did not previously complete. Custodians will be asked to complete inventories by April 30, 2024.

It is to be noted that our current AMS system only facilitates updating the last inventory date in the system one at a time in individual asset screens. It is a manual process that is time consuming for custodians with a large volume of equipment under their custody (hundreds in some instances). Our future inventory system scheduled to go live next year is expected to address this issue and enable more efficient updates once the physical inventory has been completed.

For inquiries regarding this finding, please contact Selina Martin at [selinamartin@finance.ucla.edu](mailto:selinamartin@finance.ucla.edu) who is responsible for the corrective action.

## **2023-004 – Procurement, Suspension and Debarment**

**Cluster:** Research and Development

**Sponsoring Agency:** NASA, National Science Foundation (NSF), Department of Energy (DOE), National Institutes of Health (NIH), Department of Health and Human Services (DHHS)

**Award Names:** Various

**Award Numbers:** NNX17AB45G, 2137984, 2230861, DE-SC0010064, DE-SC0022559, R01MH115979-05, 1R01DA054967-01A1, 1R01DK132735-01, 3UM1AI068636-15S3, 5R01HL155905-03, 5R01GM143536-03, 2RF1AG048120-06R, 5UM1AI106701-10R2

**Assistance Listing Titles:** Science, Mathematical and Physical Sciences, Biological Sciences, Office of Science Financial Assistance Program, Mental Health Research Grants, Drug Abuse and Addiction Research Programs, COVID-19 - Trans-NIH Research Support, COVID-19 - Allergy and Infectious Diseases Research, Allergy and Infectious Diseases Research, Biomedical Research and Training, Aging Research

**Assistance Listing Numbers:** 43.001, 47.049, 47.074, 81.049, 93.242, 93.279, 93.310, 93.855, 93.859, 93.866

**Award Year:** 2022-2023

**Pass-through entity:** N/A all are direct awards

On January 2, 2024, the University's Procurement system, BruinBuy Plus, was updated to incorporate additional controls. When purchase requests are made, the system will identify any transactions over \$10,000 involving federal sources and send them to the central Purchasing unit for review. Before these transactions are approved, the central Procurement Buyer must ensure that all necessary documentation and checks are completed. Spot checks are also

performed by managers as an additional level of review. All relevant documentation, including quotes, price reasonableness, and Statements of Work, are now stored within BruinBuy Plus along with the transaction. In conjunction with the new system, Central Buyers received training from November 27, 2023, to December 22, 2023, for two hours daily. The Chief Procurement Officer has acknowledged that additional training is necessary and will be scheduled this spring.

For inquiries regarding this finding, please contact Selina Martin at [selinamartin@finance.ucla.edu](mailto:selinamartin@finance.ucla.edu) who is responsible for the corrective action.

## **2023-005 – HEERF lack of compliance at one campus - (Significant deficiency)**

**Cluster:** Not applicable

**Sponsoring Agency:** Department of Education (ED)

**Award Names:** COVID-19 Education Stabilization Fund

**Award Numbers:** P425E200430 and P425F201596

**Assistance Listing Titles:** COVID-19 Higher Education Emergency Relief Fund (HEERF) Student Aid Portion and Institutional Aid Portion

**Assistance Listing Numbers:** 84.425E and 84.425F

**Award Year:** 2022-2023

**Pass-through entity:** Not applicable

### Cash Management

Interest in the amount of \$172,641.83 was remitted to DHHS on December 8, 2023. Effective June 2022, a new standard operating procedure (SOP) was implemented requiring a full reconciliation of costs prior to drawdowns to ensure only actual costs are drawn. The reconciliation must also be reviewed and approved by the Project Portfolio Financial Management Supervisor prior to the draw. The SOP applies to all Federal draws and therefore would apply to any "ad hoc" emergency programs moving forward.

### Eligibility

In the event of any future "ad hoc" emergency federal programs with eligibility requirements, our policy has been updated as of 2/13/2024 to require two approvals and to document the approvals.

- The reports used to determine student eligibility will be written and implemented by the Assistant Director of Financial Aid Systems.
- The Deputy Director will then direct the awarding of direct grant payments which is executed by the Financial Aid Systems team.
- Payments awarded to cover balances will be awarded by various members of the Financial Aid team during the processing of special circumstance appeals.

### Period of Performance

As a result of the unallowable cost, the University took the following action in February 2024:

- The Vice Chancellor for Student Affairs (VCSA) conducted a comprehensive review of current financial management policies and processes with specific attention to grant expenditure guidelines and timelines and provided training and educational resources to VCSA office staff since they do not ordinarily have responsibility for federal funding. Specifically, VCSA office staff have been trained on federal cost principles and now have responsibility for reviewing expense requests for allowability and allocability. Policies, training documents, and all resources developed as a result of this effort have been saved to a shared location for future reference.
- Additionally, the unallowable charge identified in the audit was reversed and HEERF balance instead used for lost revenue previously accrued but not claimed.

### Reporting

The Office of Financial Aid and Scholarships (OFAS) conducted a comprehensive review of the reporting process for HEERF and in October of 2023, established and documented a more systematic approach to reconcile the reports to the underlying data. At this time, updates to the 2022-2023 quarterly HEERF reports were also made.

For inquiries regarding this finding, please contact Amanda Preston-Nelson at [anelson10@ucmerced.edu](mailto:anelson10@ucmerced.edu) who is responsible for the corrective action.

### **2023-006 – Completeness and accuracy of certain programs on the Prior Year Schedules of Expenditures of Federal Awards (SEFA) - (Significant Deficiency)**

**Cluster:** Not applicable

**Sponsoring Agency:** Department of Health and Human Services (DHHS) - Health Resources and Services Administration (HRSA), Department of Education (ED) and Federal Emergency Management Agency (FEMA)

**Award Names:** COVID-19 Provider Relief Fund and ARP (ARP) Rural Distribution (PRF), COVID-19 Higher Education Emergency Relief Fund (HEERF) Student Portion, COVID-19 Disaster Grants – Public Assistance (Presidentially Declared Disasters) and Maternal and Child Health Federal Consolidated Programs

**Award Numbers:** Various

**Assistance Listing Titles:** COVID-19 Provider Relief Fund and American Rescue Plan (ARP) Rural Distribution, COVID-19 Disaster Grants – Public Assistance (Presidentially Declared Disasters), COVID-19 Higher Education Emergency Relief Fund (HEERF) Student Aid Portion, COVID-19 HEERF Institutional Aid Portion, COVID-19 HEERF Minority Serving Institutions, and Maternal and Child Health Federal Consolidated Programs

**Assistance Listing Number:** 93.498, 97.036, 84.425E, 84.425F, 84.425L, 93.110

**Award Year:** 2020-2021, 2021-2022, 2019-2020, 2021-2023

**Pass-through entity:** Not applicable

Management has implemented additional reconciliation and review procedures over the last two years to improve the accuracy and completeness of the SEFA.

- UCOP implemented an annual SEFA review process to include the systemwide Controller and campus Controllers. UCOP also distributed one interim SEFA draft to the External Fund Managers (EFMs) that had historically been tasked with only a year-end review.
- UCOP continued to reconcile atypical federal programs (e.g., PRF, FEMA, etc.) and included in the fiscal year 2023 SEFA drafts for campus Controller review.

Beginning in FY 2024, UCOP will implement more comprehensive financial reporting controls as follows:

- Interim SEFA reports, inclusive of atypical programs, will be prepared centrally and distributed to campuses for review and alignment with campus records. Campus management will be tasked with the responsibility for overall review and signoff for both interim and final SEFA reports.
- The Systemwide Controller will also be included in the review process by performing an overall review and signoff for both interim and final SEFA reports.

With respect to the specific findings in FY2023 for atypical / nonrecurring federal programs, the following actions have been and/or will be taken:

- FEMA: A reconciliation process was implemented within UCOP in FY2023, the result of which was the discovery of the understatement referenced in the finding. FEMA expenses are now reconciled to, and obligation dates retrieved from, the Federal FEMA Grants Portal to ensure project expenses are accurately reported in the proper fiscal year. Data from the State portal is distributed to campuses for validation. UCOP has also reminded campus and medical center Controllers of the reporting requirements and will cover this topic again in future trainings. Additionally, UCOP will remind campuses and medical centers of the requirement to account for the FEMA project in the federal fund range at the time of obligation to trigger SEFA reporting.
- PRF – A reconciliation process was implemented by UCOP in FY2022 and the reconciliation itself was completed in FY2023, the result of which was the discovery of the understatement referenced in the finding. PRF expenses reported by campuses are now reconciled to the HRSA online portal which will continue for the duration of the program. UCOP has also reminded campus and medical center Controllers of their responsibility to report on these dollars for their entire enterprise (Faculty Practice Group, School of Medicine, etc.). As with all other federal funding, PRF amounts will continue to be part of the SEFA reports distributed to campuses for review and signoff. Coordination between campuses and medical centers will be expected for this review and signoff.
- HEERF – while the program ended in FY2023, UCOP will apply lessons learned to any future “special” funding. When atypical programs such as this are awarded in the future, UCOP will provide more consistent guidance upfront and establish more consistent accounting and reporting requirements for campuses and the medical centers to follow. Requirements will include regular reporting of these dollars to UCOP with a reconciliation of campus ledgers to any sponsor reporting. As with all other federal funding, amounts will be part of the SEFA reports distributed to campuses for review and signoff.
- Program Income – UCOP will develop and conduct expanded training to campus Controllers, EFM's and their staff to include SEFA requirements generally, including treatment for program income (and other SEFA exclusions), new review procedures, etc. UCOP will target training for the spring of 2024.

For inquiries regarding this finding, please contact Barbara Cevallos at [barbara.cevallos@ucop.edu](mailto:barbara.cevallos@ucop.edu) who is responsible for the corrective action.

DocuSigned by:

Barbara B. Cevallos

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