

Dashboard for Education Expenditures and Revenues (DEER)

Fatima Barragan Herrera

Supervised by Emily Schondelmyer & Malia Howell

ECON - Educational Finance Branch

About the Common Core of Data Fiscal Surveys

National Center for Educational Statistics (NCES)

- Partnership support to collect financial data from public education systems

National Public Education Financial Survey (NPEFS)

- Finance data on public elementary/secondary education for every **state**; includes state operated institutions

Annual Survey of School System Finances/School District Finance Survey (F33)

- Universe survey of school **district**-level finance data, cosponsored by Census and NCES

Table 1. Source of revenues and type of expenditures for public elementary and secondary education, by state or jurisdiction: FY 2020

State or jurisdiction	Revenues [in thousands of dollars]				Expenditures [in thousands of dollars]		
	Total	Local ¹	State	Federal ²	Total	Total current ³	Capital outlay ⁴
United States ⁵	\$794,568,095	\$356,835,188	\$377,341,078	\$60,391,828	\$793,718,886 ^{7, 8, 9}	\$682,217,081 ^{7, 8}	\$81,334 ⁷
Alabama	8,703,515	2,765,682	4,953,327	984,506	8,442,654	7,546,680	613,000
Alaska	2,614,818	570,197	1,660,021	384,601	2,605,253	2,417,641	153,000
Arizona	12,175,096	4,546,329	6,237,220	1,391,547	11,853,130 ⁷	9,830,663 ⁷	1,559,000
Arkansas	5,874,455	2,225,247	3,011,242	637,967	6,062,958 ⁷	5,152,468 ⁷	735,000
California	100,127,294	35,347,874	56,846,136	7,933,283	101,119,632 ^{7, 8}	85,303,209 ^{7, 8}	11,353,000
Colorado	13,187,699	6,826,099	5,536,044	825,555	13,297,765	10,577,428	2,011,000
Connecticut	11,884,392	6,602,906	4,786,094	495,393	12,095,669 ^{7, 9}	10,939,432	783,000
Delaware	2,450,066	761,092	1,504,434	184,540	2,115,498	1,974,936	102,000
District of Columbia	2,703,715	2,501,478	†	202,237	2,862,000	2,134,996	535,000
Florida	33,934,527	16,795,390	13,657,772	3,481,365	33,867,714 ⁷	29,455,336 ⁷	3,267,000
Georgia	23,826,892	10,644,995	11,234,259	1,947,638	23,263,875	20,680,204	2,305,000
Hawaii	3,447,871	51,323	3,118,291	278,258	3,214,491	2,999,586	197,000
Idaho	3,082,137	751,262	2,032,417	298,459	3,044,950	2,593,494	372,000
Illinois	39,071,160	20,942,210	15,728,126	2,400,824	38,332,124	33,895,711	3,188,000
Indiana	13,777,624	4,035,331	8,710,782	1,031,511	12,913,458	11,352,772	1,131,000
Iowa	7,408,114	2,946,928	3,930,911	530,276	7,526,068	6,200,533	1,149,000
Kansas	7,358,312	1,945,496	4,882,714	530,102	7,416,841	5,955,857	1,194,000
Kentucky	8,757,350	3,001,240	4,751,147	1,004,964	8,990,754	7,868,145	840,000
Louisiana	9,444,754	4,147,561	4,144,028	153,166	9,222,695	8,531,692	548,000
Maine	3,180,672	1,678,830	1,308,712	193,130	3,201,181	2,896,754	218,000
Maryland	17,015,238	8,705,658	7,419,591	889,990	16,471,112	14,482,716	1,757,000
Massachusetts	19,782,831	10,791,067	8,066,237	925,527	20,103,635	18,945,441	719,000
Michigan	22,091,388	7,133,717	13,003,148	1,954,522	21,520,069	18,434,000	1,943,000
Minnesota	14,825,590	4,237,278	†	†	†	†	†
Mississippi	6,032,201	1,830,414	†	†	†	†	†

Table 3. Current expenditures for public elementary and secondary education, by state or jurisdiction: FY 2020

Mississippi
Mon
Neb

State or jurisdiction	Total	Instruction
United States ⁵	\$682,217,081 ^{6, 7}	\$412,616,246 ^{6, 7}
Alabama	7,546,680	4,388,859
Alaska	2,417,641	1,287,501
Arizona	9,830,663 ⁶	5,375,218 ⁶
Arkansas	5,152,468 ⁶	2,882,302 ⁶
California	85,303,209 ^{6, 7}	50,125,908 ^{6, 7}
Colorado	10,577,428	5,784,943
Connecticut	10,939,432	6,753,375 ⁶
Delaware	1,974,936	1,085,615
District of Columbia	2,134,996	1,081,517
Florida	29,455,336 ⁶	18,068,719 ⁶
Georgia	20,680,204	12,592,080 ⁶
Hawaii	2,999,586	1,775,678
Idaho	2,593,494	1,558,232 ⁶
Illinois	33,895,711	20,975,386 ⁶
Indiana	11,352,772	6,498,026
Iowa	6,200,533	3,721,160
Kansas	5,955,857	3,523,701
Kentucky	7,868,145	4,599,382
Louisiana	8,531,692	4,777,227 ⁶
Maine	2,896,754	1,703,120

Current publication is Overwhelming

Table 7. Total expenditures for public elementary and secondary education and other related programs, by state or jurisdiction: FY 2020

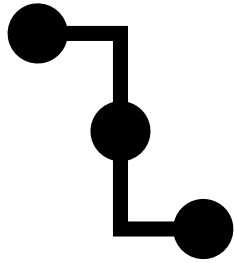
State or jurisdiction	Expenditures [in thousands of dollars]				
	Total expenditures	Current expenditures for public elementary/secondary education ¹	Construction	Land and existing structures	Equipment ³
United States ⁴	\$793,718,886 ^{5, 6, 7}	\$682,217,081 ^{5, 6}	\$63,326,373 ^{5, 6}	\$5,944,191 ^{5, 6}	\$12,064,225 ^{5, 6, 7}
Alabama	8,442,654	7,546,680	465,217	43,855	104,773
Alaska	2,605,253	2,417,641	87,244	49,835	16,220
Arizona	11,853,130 ⁷	9,830,663 ⁷	825,042	179,317	555,286
Arkansas	6,062,958 ⁷	5,152,468 ⁷	594,985	49,068	30,552
California	101,119,632 ^{7, 8}	85,303,209 ^{7, 8}	9,992,807 ⁸	579,253 ⁸	781,750 ^{8, 9}
Colorado	13,297,765	10,577,428	1,446,510	246,583	317,925
Connecticut	12,095,669 ^{7, 9}	10,939,432	539,403 ⁹	84,602 ⁹	159,639 ^{5, 7}
Delaware	2,115,498	1,974,936	89,507	279	13,077
District of Columbia	2,862,000	2,134,996	446,606 ⁵	30,362	58,400
Florida	33,867,714 ⁷	29,455,336 ⁷	2,341,178	198,330	727,538
Georgia	23,263,875	20,680,204	1,963,458	77,555	264,618
Hawaii	3,214,491	2,999,586	189,819	0	7,424
Idaho	3,044,950	2,593,494	270,424	29,944	72,305
Illinois	38,332,124	33,895,711	2,196,133 ⁹	344,448 ⁹	647,740
Indiana	12,913,458	11,352,772	758,088	208,042	165,726
Iowa	7,526,068	6,200,533	918,344	22,767	208,700
Kansas	7,416,841	5,955,857	853,664	88,807	252,053
Kentucky	8,990,754	7,868,145	639,033	28,892	172,159
Louisiana	9,222,695	8,531,692	440,501	23,018	85,379

Table 4. Student membership and current expenditures per pupil for public elementary and secondary education, by function, subfunction 2020

State, local	School year		Current expenditures ² per pupil								
FY 19 (inflation- adjusted to FY 20 dollars)	2019–20 student membership ¹	2019–20 student membership ¹	Total	Instruction	Total support services	Student support services ⁵	Instructional staff support	General adminis- tration	School adminis- tration	Operations and maintenance	Student trans- portation
United States ⁶	50,575,201	50,575,201	\$13,489 ^{7, 8}	\$8,158 ^{7, 8}	\$4,832 ^{7, 8}	\$850 ^{7, 8}	\$681 ^{7, 8}	\$263 ^{7, 8}	\$771 ^{7, 8}	\$1,224 ^{7, 8}	\$519 ^{7, 8}
\$15,483	Alabama	744,235	10,140	5,897	3,710	676	422	261	641	968	501
11,594	Alaska	132,017	18,313	9,753	7,894	1,446	1,504	268	1,129	2,211	581
19,859	Arizona	1,130,693	8,694 ⁷	4,754 ⁷	3,525 ⁷	704 ⁷	435 ⁷	167 ⁷	480 ⁷	1,003 ⁷	330 ⁷
10,558	Arkansas	496,927	10,369 ⁷	5,800 ⁷	4,034 ⁷	583 ⁷	834 ⁷	264 ⁷	545 ⁷	1,097 ⁷	371 ⁷
11,917	California	6,163,001	13,841 ^{7, 8}	8,133 ^{7, 8}	5,191 ^{7, 8}	927 ^{7, 8}	865 ^{7, 8}	216 ^{7, 8}	922 ^{7, 8}	1,293 ^{7, 8}	294 ^{7, 8}
16,264	Colorado	913,223	11,583	6,335	4,851	776	697	211	882	1,065	328
	Connecticut	523,690	20,889	12,896 ⁷	7,462 ⁷	1,552 ⁷	742 ⁷	484 ⁷	1,197 ⁷	1,774 ⁷	992 ⁷
13,774	Delaware	139,930	14,114	7,758	5,840	1,511	536	142	700	1,642	868
23,051	District of Columbia	89,878	23,754	12,033	11,153	2,151	1,107	1,351	1,726	2,204	1,434
16,778	Florida	2,858,461	10,305 ⁷	6,321 ⁷	3,510 ⁷	494 ⁷	652 ⁷	97 ⁷	558 ⁷	1,068 ⁷	366 ⁷
29,575	Georgia	1,769,657	11,686	7,116 ⁷	3,996 ⁷	674 ⁷	610 ⁷	155 ⁷	761 ⁷	883 ⁷	523 ⁷
11,287	Hawaii	181,088	16,564	9,806	6,001	1,718	537	77	1,206	1,641	309
12,966	Idaho	311,096	8,337	5,009 ⁷	2,965 ⁷	504 ⁷	461 ⁷	202 ⁷	478 ⁷	747 ⁷	335 ⁷
17,507	Illinois	1,938,813	17,483	10,819 ⁷	6,257 ⁷	1,312 ⁷	661 ⁷	658 ⁷	913 ⁷	1,378 ⁷	715 ⁷
	Indiana	1,051,411	10,798	6,180	4,148	608	484	220	732	1,200	561
	Iowa	517,324	11,986	7,193	4,276	728	747	311	693	1,025	405
								321	715	1,155	468
								244	681	946	606
								325 ⁷	796 ⁷	1,126 ⁷	658 ⁷
								583	870	1,766	754
								116 ⁷	983 ⁷	1,392 ⁷	795 ⁷
								386	857	1,561	804
								265	694	1,058	481

Overwhelming

Objectives

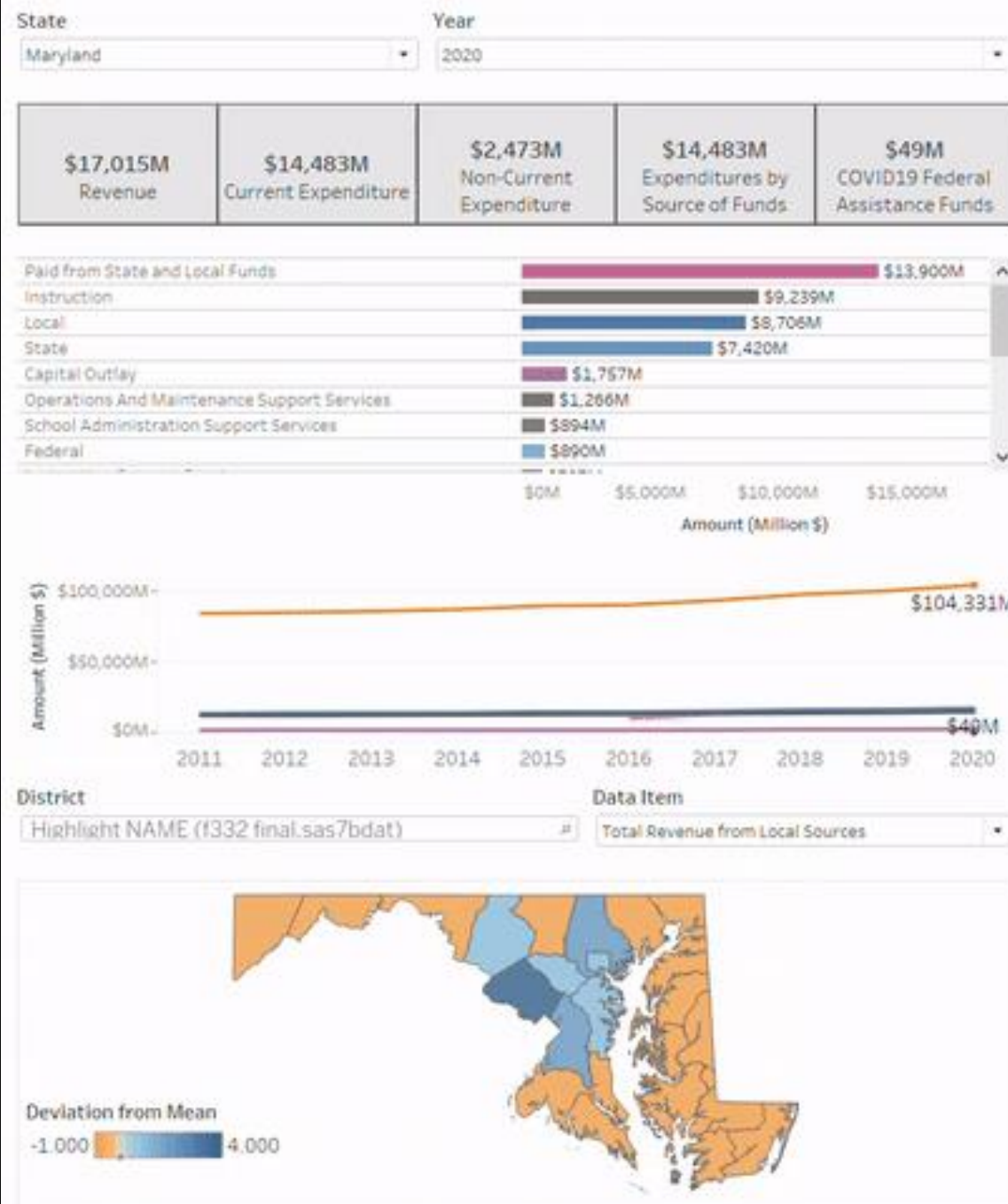


Create connection between
NPEFS and F33 datasets



Digestible and user-friendly
dashboard for all
stakeholders

Revenues and Expenditures By State and District



DEER Features

1. Filters by state and year
2. Categorical breakdown by revenues by source and expenditures by function
3. 10-year time series tracking selected category
4. District level map and data item filtering
5. 5-year time series of selected data item

Accomplishments

1

Merged
two previously
uncombined
datasets
to create a
drillable report

2

Created
user friendly
dashboard

3

Presented
at the
State Fiscal
Coordinator
Workshop

4

Received
positive
feedback
from
stakeholders

5

Published
on internal
Tableau
server

Future Work



Continuously update dashboard



Include SLFS in the future of DEER



Publish dashboard on Census.gov