ANNOTATED





2023 Survey of Doctorate Recipients

Conducted by







The National Center for Science and Engineering Statistics (NCSES) within the National Science Foundation (NSF) and the National Institutes of Health (NIH)

Data collection activities are contracted to NORC at the University of Chicago

Please make any name/address cha	nges below:	This paper form version of the 2023 Survey of Doctorate
First Name	Middle Name	Recipients (SDR) has been annotated to aid data users in matching variables on the public use data file to the questionnaire content.
Last Name		Variable names are placed next to their corresponding item. • Variable names shown in red font text boxes with a
Number and Street Address		solid border are directly reported and further denoted with [C] if the variable was in the short or critical item only survey path, and [N] if the variable
City		is new for the 2023 SDR.
State ZIP/Postal Code		 Variable names shown in blue font text boxes with a dashed border are derived from reported information (i.e., recoded variables).
Territory/Country (if non-U.S.)		

This information is solicited under the authority of the National Science Foundation Act of 1950, as amended, and the Confidential Information Protection and Statistical Efficiency Act of 2018. Per the Federal Cybersecurity Enhancement Act of 2015, your data are protected from cybersecurity risks through screening of the federal systems that transmit your data. The information you provide will be used for statistical purposes only. Your responses will be kept confidential. Your response is voluntary and failure to provide some or all of the requested information will not in any way adversely affect you. The average time to complete this survey is about 25 minutes. Please send any comments on the time required for this survey to National Science Foundation, 2415 Eisenhower Avenue, Alexandria, VA 22314, Attn: NSF Reports Clearance Officer.

OMB No.: 3145-0020 Approval Expires: 07/31/2026

	0	ffice Use Only		
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INSTRUCTIONS

Thank you for taking the time to complete this questionnaire.

- Please use a black or blue pen to complete this form.
- Mark X to indicate your answer. If you want to change your answer, darken the box and mark the correct answer.
- In order to get comparable data, we will be asking you to refer to the week of February 1, 2023, when answering most questions.
- Follow all appropriate skip instructions after marking a box. If no skip instruction is provided, you should continue to the next question.
- If you have any questions or concerns, please email us at SDR@norc.org or call us toll-free at 1-800-685-1663 or locally at 1-312-871-4272.

Thank you again for your help; we really appreciate it.

Part A - Employment Situation

A1. During the week of February 1, 2023, were you WRKG [C] working for pay or profit?

LESTAT Working for pay or profit also includes...

- being self-employed and not getting paid that week,
- being an intermittent worker not working that week (e.g., consultant, freelancer, independent contractor),
- being on a postdoctoral appointment,
- · traveling while employed,
- being on any type of paid or unpaid leave, including vacation or during a government shutdown.
- 1 Yes → Continue to question A2
- 2 No → Go to page 7, question A38

Principal Employer

A2. During the week of February 1, 2023, who was your principal employer?

EMRGP If you had more than one job, report the one for which you worked the most hours that week.

If your <u>employer had more than one location</u>, report the location that employed you.

If you worked for a <u>contracting or consulting company</u>, report the name of that company, not the client organization.

If you were an <u>independent contractor or</u> <u>self-employed</u>, report your name and address as the principal employer.

Employer Name
Department/Division
City
State ZIP/Postal Code
Territory/Country (if non-U.S.)

A3. During the week of February 1, 2023, which one of the following best describes your principal employer?

EMTPP Mark one answer.

SELF-EMPLOYED OR A BUSINESS OWNER

- 1 <u>Non-incorporated</u> business, professional practice, or farm
- Incorporated business, professional practice, or farm

PRIVATE SECTOR EMPLOYER

- **3** For-profit company or organization
- <u>Non-profit</u> organization (including taxexempt and charitable organizations)

U.S. GOVERNMENT EMPLOYER

- <u>Local</u> government in the U.S. (e.g., city, county, school district)
- 6 <u>U.S. state</u> government (including U.S. state colleges/universities)
- U.S. military service, active duty, or Commissioned Corps (e.g., USPHS or NOAA)
- codes 7 and 8 U.S. federal government (e.g., civilian employee)

OTHER TYPE OF EMPLOYER

- Non-U.S. government at any level
- Other specify

Employer's main husiness

NEDTPP

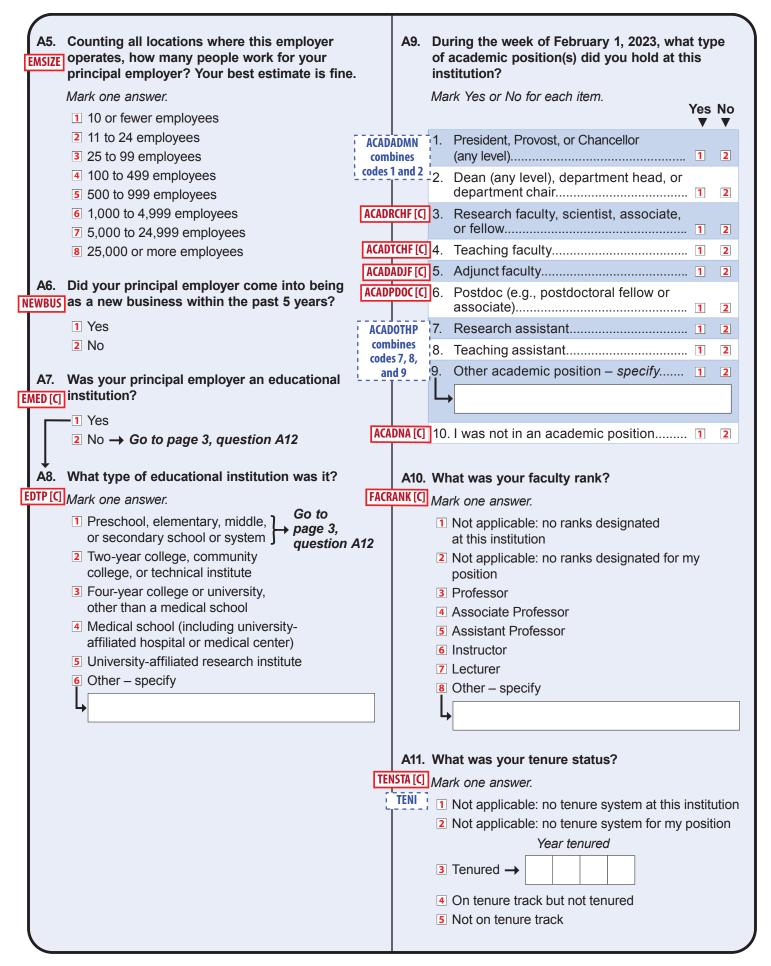
combines

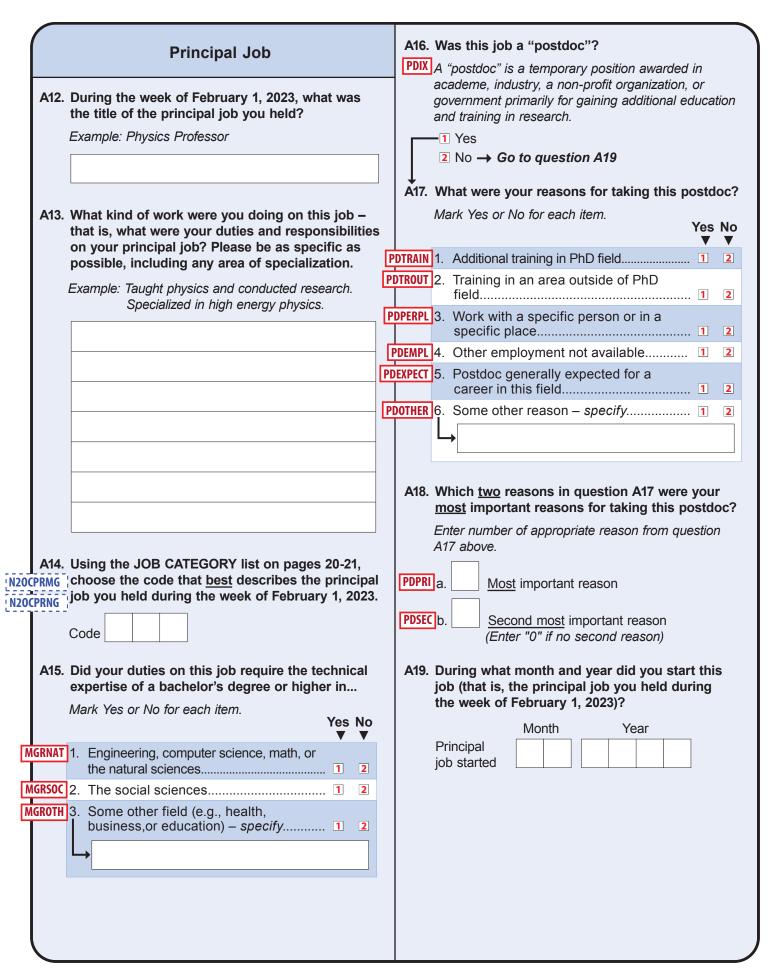
A 4.	What was your employer's main business
	or industry - that is, what did that employer
	make or do?

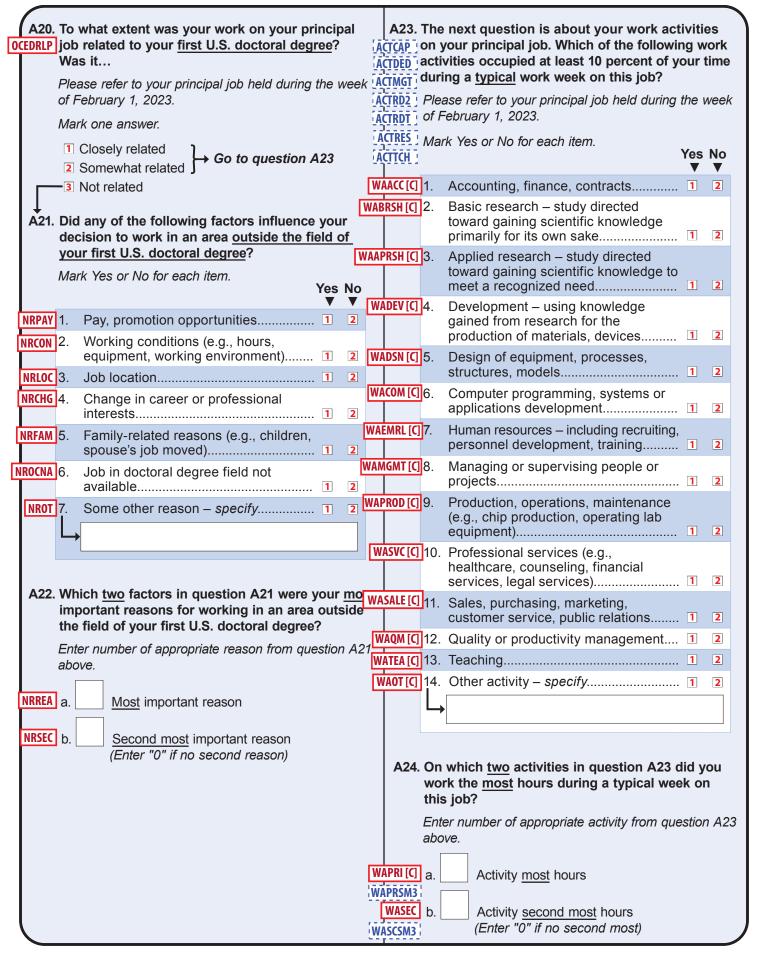
If your principal employer had more than one type of business, report the type of business primarily performed at the location where you worked.

Example: Production of microprocessor chips

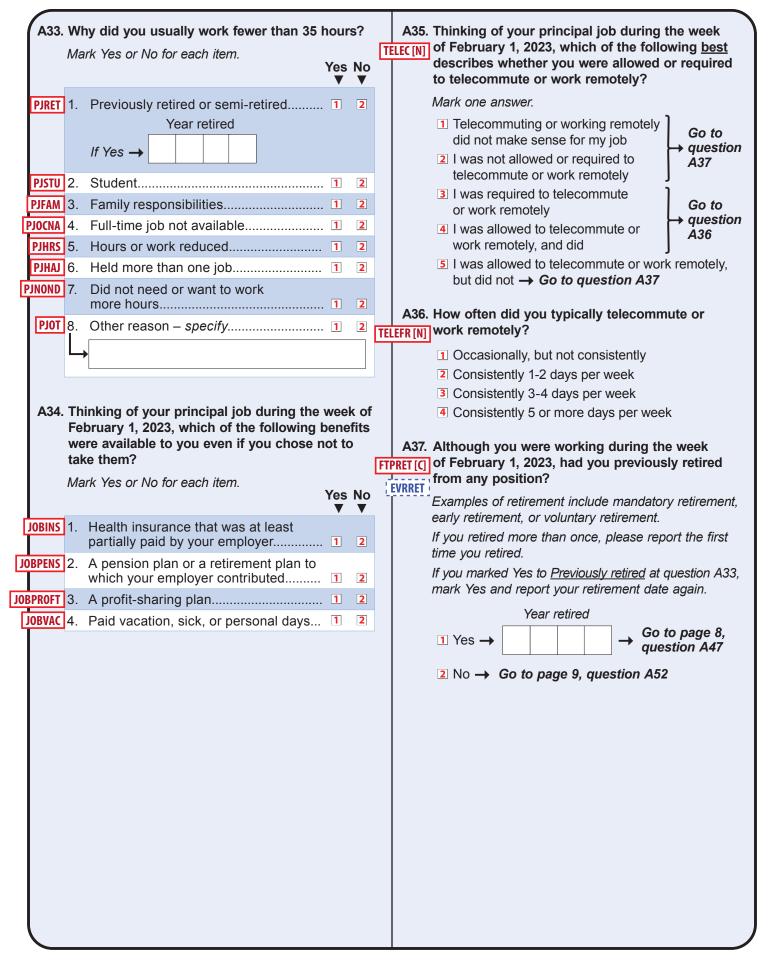
Employer's main such loss





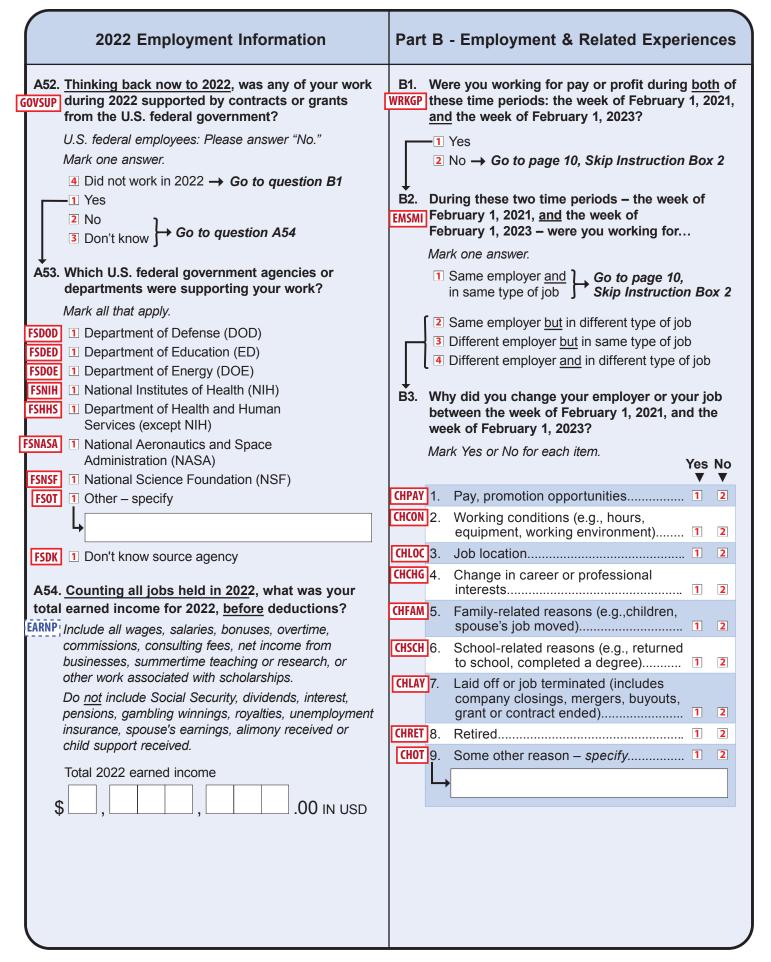


		W	s part of the princ eek of February 1, ork of others?						Thinking about the principal job you held during the week of February 1, 2023, how would you rate your overall satisfaction?
		ac oti	ark "Yes" if you reco ctions such as hiring hers. cachers: Do <u>not</u> cou	, firing	g, evaluati				Mark one answer.1 Very satisfied2 Somewhat satisfied3 Somewhat dissatisfied
			⊥ Yes	ne otac	201110.				Very dissatisfied
			I les I No → Go to qu e	etion	Δ27				very dissatisfied
	A26.		ow many people d			y			As of the week of February 1, 2023, what was your basic annual salary on your principal job, before deductions?
				Nun	nber Sup	ervised			
									Do <u>not</u> include bonuses, overtime, or additional compensation for summertime teaching or research.
		a.	Supervise directly?		none ent	ter "0")			If you are not salaried, please estimate your earned income, excluding business expenses.
		b.	. Supervise indirect through subordina supervisors?	te [Number	Supervis			Annual salary or earned income .00 IN USD
	A27.	th	ninking about you le week of Februal atisfaction with tha	ry 1, 2	cipal job 2023, plea	held du	ring		Was this salary based on a 52-week year, or less than that? Include paid vacation and sick leave.
				•					1 52-week year
		M	ark one answer for	each i					2 Less than 52 weeks
			9	Very satisfied	Somewhat satisfied		Very dissatisfied		I
Į				▼		▼	•	WKSLYR	weeks per year
_			Salary	1	2	3	4		· ·
7			Benefits	1	2	3	4		During a typical week on your principal job,
7			Job security	1	2	3	4	HRSWKP	how many hours did you work?
_			Job location	1	2	3	4		Please refer to the principal job you held during the week of February 1, 2023.
<u> </u>	AIAUV	5.	Opportunities for advancement	1	2	3	4		
SA	TCHAL	6.	Intellectual						Please round to the nearest whole hour.
			challenge	1	2	3	4		hours per week
SA	TRESP	7.	Level of responsibility	1	2	3	4		If <u>fewer than 35 hours</u> , go to question A32
2	ATIND	8.	Degree of independence	1	2	3	4		If 35 or more hours, go to page 6, question A34
2	ATSOC	9.	Contribution to society	1	2	3	4		or more hours per week on your principal job?
									1 Yes 2 No

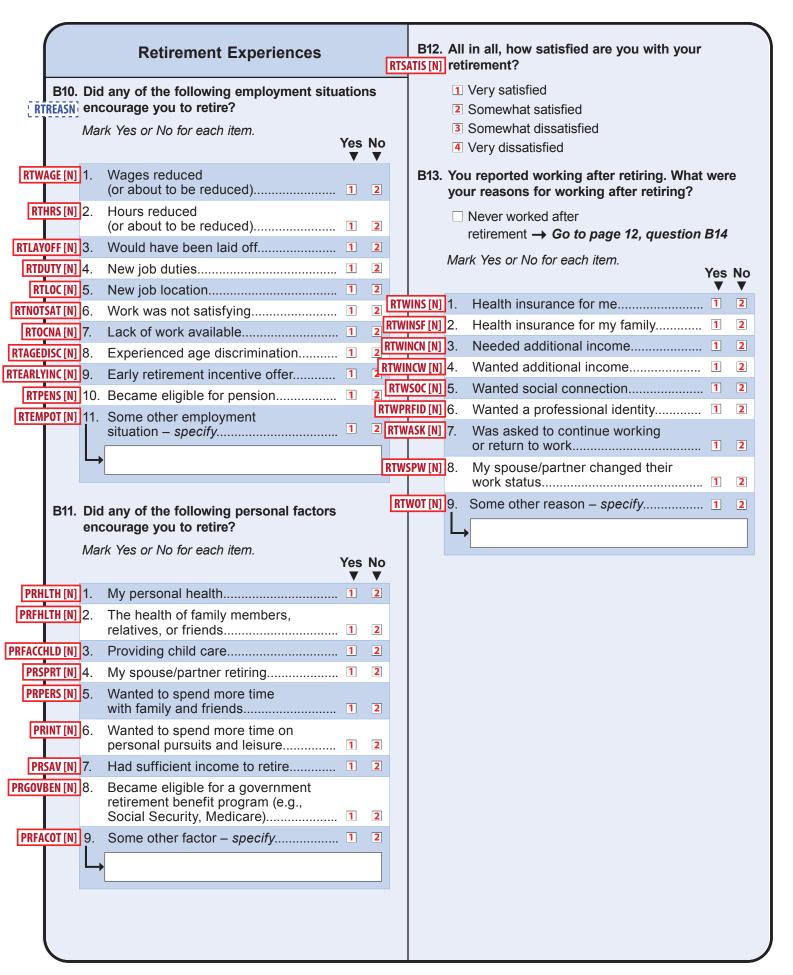


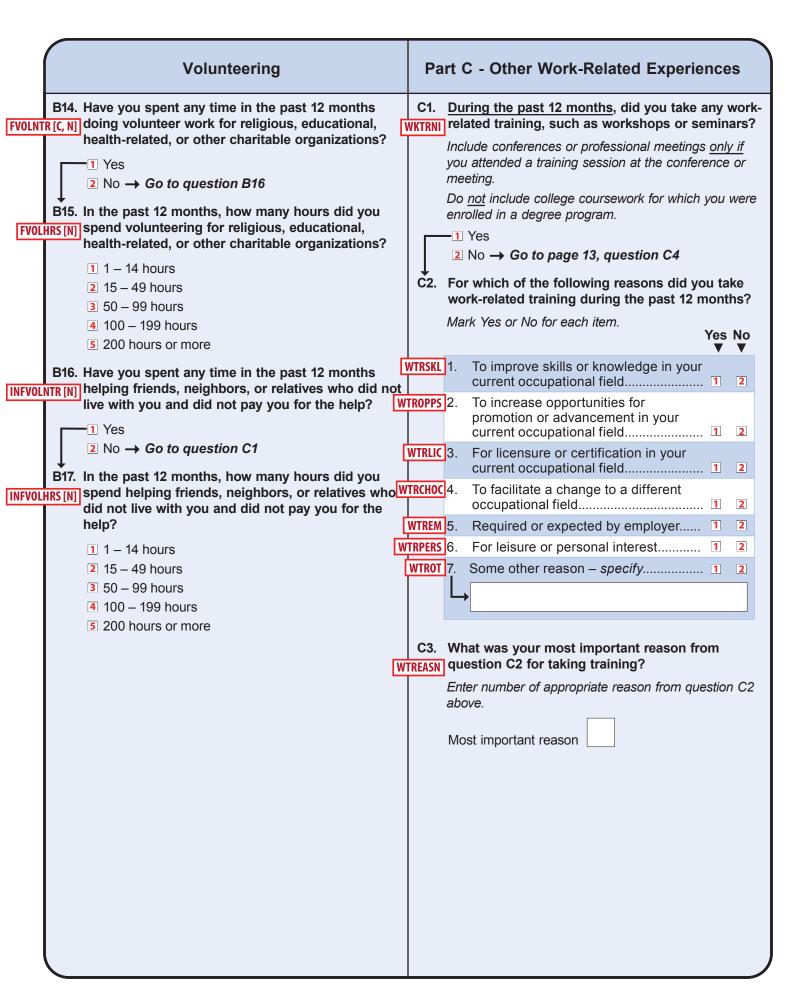
	Last Employment		Prior to the week of February 1, 2023, what was the title of the last job you held?
LOOKWK [C] prec	you look for work during the four weeks ceding February 1, 2023 (that is, between uary 4th and February 1st)?		Example: Physics Professor
your		A42.	What kind of work were you doing on this last job – that is, what were your duties and responsibilities? Please be as specific as possible, including any area of specialization. Example: Taught physics and conducted research. Specialized in high energy physics.
combines codes 1,	Retired		
NWSTU [C] 3. S NWFAM [C] 4. F 5. C	On layoff from a job		
A40. Prior you	r to the week of February 1, 2023, when did	A44.	Using the JOB CATEGORY list on pages 20-21, choose the code that best describes the last job you held prior to the week of February 1, 2023. Code To what extent was your work on your last job related to your first U.S. doctoral degree? Was it Mark one answer. 1 Closely related 2 Somewhat related 3 Not related

A45. During a typical week on your last job, how many LISTHRSWKP hours did you work?	Job Before Retirement
Please round to the nearest whole hour. hours per week → Go to Skip Instruction Box 1	A47. What was the title of the job you retired from? Example: Physics Professor
Please round to the nearest whole hour. hours per week → Go to Skip Instruction Box 1 SKIP INSTRUCTION BOX 1	A47. What was the title of the job you retired from? Example: Physics Professor A48. What kind of work were you doing on the job you retired from – that is, what were your duties and responsibilities? Please be as specific as possible, including any area of specialization. Example: Taught physics and conducted research. Specialized in high energy physics. A49. Using the JOB CATEGORY list on pages 20-21, choose the code that best describes the job you retired from. Code A50. To what extent was your work on the job you retired from related to your first U.S. doctoral degree? Was it
RTI	Mark one answer. 1 Closely related 2 Somewhat related 3 Not related A51. During a typical week on the job you retired from, HRSWKP how many hours did you work? Please round to the nearest whole hour.
	hours per week

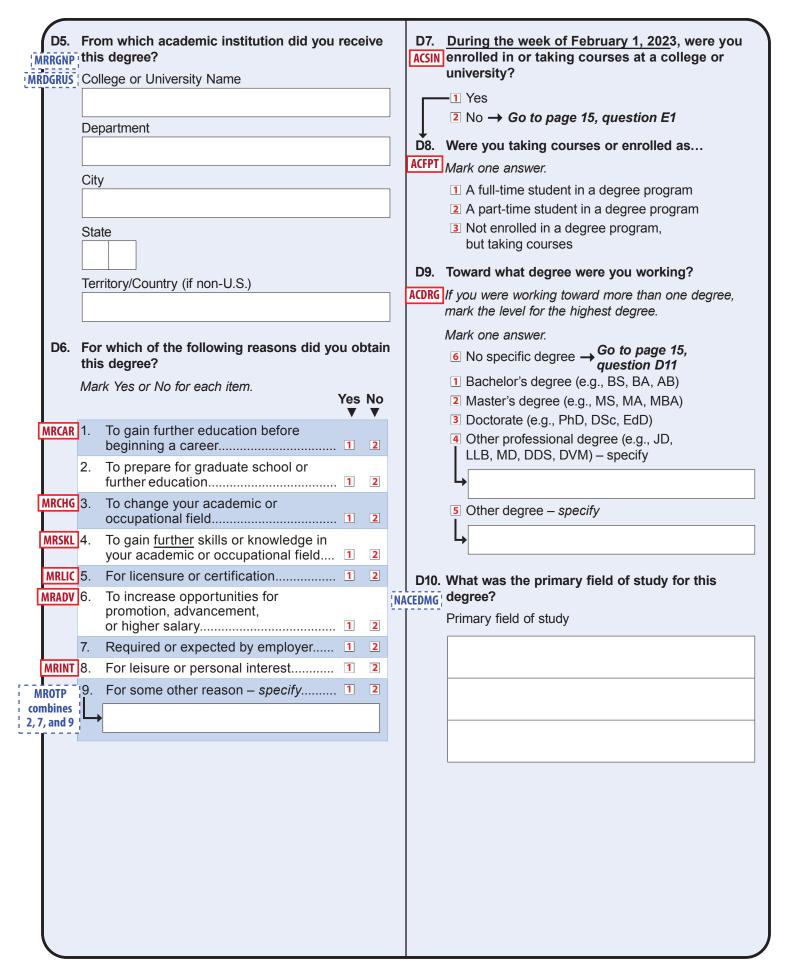


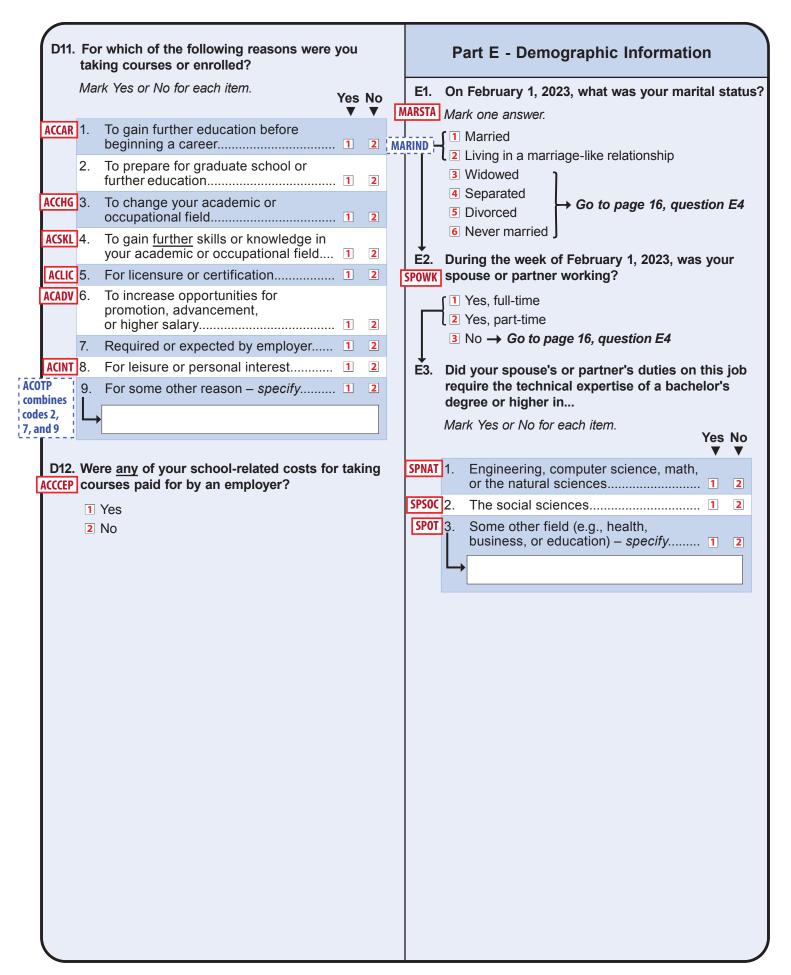
Health **SKIP INSTRUCTION BOX 2** B6. How is your physical health? During the week of February 1, 2023... PHYHLTH [N] 1 Excellent If you were not working → Continue to Very good question B4 3 Good If you were working, but → Go to page 11, 4 Fair previously retired question B10 5 Poor Go to page 12, If you were working and → Although you are currently not working, do you have never retired question B14 have an impairment or health problem that limits WABLLIM [C, N] the kind or amount of paid work you can do? 1 Yes B4. Have you spent any time in the past 12 months 2 No → Go to Skip Instruction Box 3 PROACTINI doing professional activities related to your first B8. Does this impairment or problem keep you from U.S. doctoral degree? WABLPRV [N] working altogether? Include research, writing, speaking engagements, advising or consulting, teaching, mentoring, and other 1 Yes → Go to Skip Instruction Box 3 professional activities. **2** No -1 Yes B9. Are you able to work full-time (35 or more hours 2 No → Go to question B6 per week) or can you work only part-time (fewer WABLHRS [N] In the past 12 months, how many hours did you than 35 hours per week)? spend doing professional activities related to your PROACTHRS [N] 1 Full-time] Go to Skip first U.S. doctoral degree? 2 Part-time / Instruction Box 3 Include research, writing, speaking engagements, advising or consulting, teaching, mentoring, and other professional activities. **SKIP INSTRUCTION BOX 3** 1 1 – 14 hours 2 15 – 49 hours During the week of February 1, 2023... 3 50 - 99 hours 4 100 - 199 hours If you were <u>retired</u> \rightarrow Go to page 11, 5 200 hours or more question B10 If you were not retired and \rightarrow Go to page 12, have previously worked question B14 for pay or profit If you have <u>never worked</u> \rightarrow Go to page 13, question D1 for pay or profit





PI	C4.	During the past 1 professional conf or association me	ferences	s, did yo or profo	ou attend essional	l any society	Pa	art D - Recent Educational Experiences
		Include regional, nathat you attended e	ational, o			_	D1.	Between February 2021 and February 2023, did you complete another degree?
		1 Yes, I attended	in perso	n or rem	otely			−1 Yes
		2 No	·		,			2 No → Go to page 14, question D7
PR		To how many reg	eties or				MRDG	
		currently belong?	?					Mark one answer.
		If none, enter "0."						■ Bachelor's degree (e.g., BS, BA, AB)
								2 Master's degree (e.g., MS, MA, MBA)
		Number						3 Doctorate (e.g., PhD, DSc, EdD)
	C6.	When thinking at of the following fa			mportant	t is each	1	4 Other professional degree (e.g., JD, LLB, MD, DDS, DVM) – specify
		Mark one answer t	or each i	tem.				L ₊
						Not		5 Other degree – specify
					Somewhat unimportant	important at all		- Curici degree Spearly
		-	. ▲	. •	. ▼	▼		L
		1. Salary		2	3	4		
- 5		2. Benefits		2	3	4		What was the primary field of study for this degree?
- 1		3. Job security		2	3			
- 3		4. Job location		2	3	4 [N/	MRMENGP	Primary field of study
		5. Opportunities fo advancement		2	3	4		
		6. Intellectual challenge	1	2	3	4		
		7. Level of responsibility	1	2	3	4		
		8. Degree of independence	. 1	2	3	4	D4	In what month and year was this degree awarded?
L	FACSOC	9. Contribution to society	1	2	3	4		If you do not remember the exact date the degree was
								awarded, please provide your best estimate.
								Month Year
								Degree awarded 2 0 2





E4.	As of the week of February 1, 2023, did you have any children living with you as part of your family?	E9. CTZFOR	On February 1, 2023, what kind of U.S. Resident Visa did you hold? Mark one answer.
	Only count children who lived with you at least 50 percent of the time.		 Permanent U.S. Resident Visa (Green Card) Temporary U.S. Resident Visa
	─ 1 Yes		I no longer hold a U.S. Resident Visa
	No → Go to question E6		_ · · · · · · · · · · · · · · · · · · ·
E5.	How many children did you have living with you as part of your family in each of the following age categories?	E10.	Of which country are you a citizen?
CH6IN	If no children in a category, enter "0."	E44	What is your hirthdate?
CHUN12	Number of Children \[\bar{A} \]		What is your birthdate?
	a. Under age 2		Month Day Year
	b. Aged 2-5	E12.	These questions are asked to verify that our records are correct and that we have reached the
	CH611IN ;		correct person selected for this study.
	c. Aged 6-11		a. From which institution did you receive your first doctorate?
	d. Aged 12-18		PhD institution
	e. Aged 19 or older		
	On February 1, 2023, were you living in the United States or Puerto Rico, another U.S. territory, or were you living in another country?		b. What is the field in which you earned your first doctorate?
	Mark one answer.		PhD field
	1 United States or Puerto Rico		
	2 Another U.S. territory		
	3 Another country – specify		
E7.	On February 1, 2023, were you a		
CTZUSIN			c. In what month and year was your first doctorate
CTZN	☐ U.S. citizen☐ With the control of		awarded to you?
ŢŢ	Non-o.o. onizen y do to question 25		Month Year
	Were you a U.S. citizen		
CTZUS	Mark one answer.		
	■ Born in the United States, Puerto Rico, Guam, the U.S. Virgin Islands, or Northern MarianasGo to question		
	2 Born abroad of a U.S. citizen parent		
	3 By naturalization		

None ▼	Slight ▼	Moderate ▼	Severe	Unable to de
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
1	2	3	4	5
	the acti go to p	<u>ivities</u> in d age 18, q	question uestion	n E13, E15
umcu	ides III	any or the	sse alea	5:
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 2 1 2 1 2 1 2 1 2 1 2 1 O Let you a the acting to poor of the two series of the tw	1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 1 2 3 Otherwise, conti	1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4

	In case we need to cla email address where y				tion you	have pro	ovided,	please list phone numb	ers and an
	Enter country code "001' elsewhere.	for U.S.	and Ca	nada. En	ter approp	oriate col	untry cod	le for phone numbers loc	eated
		Country C	ode	Area/City	Code	Number			
	Home Phone Number	0 0	1 -		-				
	Work Phone Number	0 0	1 -		- [_ [
	Cell Phone Number	0 0	1 -		- [-		
	Email Address								
E15a	indicate if the number	r can rec	ceive te	xt messa ere you v	ages and would mo	if you g st prefe	ive NOR	whone number provided C permission to text you give text messages in for cable (NA).	ou at that
		up to thi	ree time:	s in 2025	. Standar	d messa	ging and	d will not share, sell, or o data rates may apply. Yo 5-1663 for assistance.	
		1. Can tl receiv messa	e text	ıber	2. May N text the	nis		3. Indicate your prefer number to receive text messages.	red
		Mark V	es, No, or	NA	Mark Y	es No or	NA	Mark preferred number to text.	
			number.		for eacl	n number.		to text.	
			n number. No ▼	NA ▼	for each Yes ▼		NA ▼	Preferred Number	_
	Home phone number	for each				number.	NA ▼		
	Home phone number Work phone number	for each				number.	NA V		
		for each	No ▼			No ▼	NA V	Preferred Number	

will only be contacted if we have difficu			rinderilianly wi	ll be provided. These peopl
Person 1				
First Name	M.I.	Last Name		
Email Address				
Number and Street Address				
City			State	ZIP/Postal Code
Territory/Country (if non-U.S.)				
Territory, Godinary (ii flori G.G.)				
Country Code Area/City Code Numb	er		_	
	-			
Person 2				
First Name	M.I.	Last Name		
Email Address				
Number and Street Address				
City			State	ZIP/Postal Code
Territory/Country (if non-U.S.)				
Tomas y/odunu y (ii non-d.d.)				
Country Code Area/City Code Numb	er			
	_			

JOB CATEGORY If you cannot find the code that best describes your job, use the "other" code under the most appropriate broad category. If none of the codes fit your job, use Code 500. **Biological/Life Scientists** 021 Agricultural and food scientists 025 Medical scientists (excluding practitioners) 022 Biochemists and biophysicists 026 Technologists and technicians in the 023 Biological scientists (e.g., botanists, ecologists, biological/life sciences 027 Other life scientists zoologists) 024 Conservation scientists and foresters Clerical/Administrative 031 Bookkeeping, accounting and auditing clerks 033 Other office and administrative support **Support Occupations** 032 Secretaries and administrative assistants, and workers receptionists Clergy/Other Religious 040 Clergy and other religious workers Workers **Computer Occupations** Computer engineers – also consider 087 Computer 056 Database administrators engineers - hardware 057 Information security analysts Also consider 173 Operations 051 Computer and information research scientists 058 Network and computer systems research analysts, 052 Computer network architect administrators including modeling 053 Computer programmers (business, scientific, 059 Software developers – applications and process control) systems software 054 Computer support specialists 060 Web developers 055 Computer system analysts 061 Other computer and information science occupations **Consultants** Find the category that comes closest to your field of consulting and select the code 070 Counselors (e.g., educational, vocational, mental health, substance abuse) Also consider 240 Social Workers and 115 Psychologists - Health Services Counselors **Engineers/Architects** 081 Architects, except naval 090 Environmental engineers 082 Aeronautical/aerospace/astronautical engineers 091 Industrial engineers, including health and Also consider 100 to 104 under 083 Agricultural engineers Engineering Technologists, 084 Bioengineers or biomedical engineers 092 Marine engineers and naval architects Technicians and Surveyors 085 Chemical engineers 093 Materials engineers 086 Civil engineers, including architectural and 094 Mechanical engineers 095 Mining and geological engineers, including sanitary 087 Computer engineers - hardware mining safety engineers 096 Nuclear engineers 089 Electrical and electronics engineers 097 Petroleum engineers

098 Sales engineers 099 Other engineers **Engineering Technologists/** 100 Electrical, electronic, industrial, and mechanical 103 Other engineering technologists and technicians technicians Technicians/Surveyors 101 Drafting occupations, including computer drafting 104 Surveyors, cartographers, 102 Surveying and mapping technicians photogrammetrists Farming, Fishing, and 110 Farming, fishing, and forestry occupations **Forestry Occupations** Diagnosing/treating practitioners (e.g., dentists, Health technologists and technicians **Health Occupations** optometrists, physicians, psychiatrists, podiatrists, (e.g., dental hygienists, health record surgeons, veterinarians) technologists/technicians, licensed practical 112 Registered nurses, pharmacists, dieticians, nurses, medical or laboratory technicians, therapists, physician assistants, nurse radiological technicians) practitioners Psychologists - Health Services (e.g., clinical, 114 Other health occupations counseling, school psychologists) - Also consider 070 Counselors 125 Legal support workers (e.g., paralegals, **Legal Occupations** 120 Lawyers, judges, and related workers legal assistants) Librarians/Archivists/Curators 130 Librarians, archivists, curators Find the category that best describes the occupation of the people you manage and select the code Managers and Supervisors, First-Line Managers, Top-level 141 Top executives (e.g. chief executives, general and operations managers, legislators) **Executives/Administrators**

	JOB CATEGORY		
Managers, Other People who manage other managers	 Computer and information systems managers Engineering managers Medical and health services managers Medical and health services managers Medical and health services managers Other mid-level managers 		
Management-Related Occupations Also consider 142 to 147 under Managers, Other	 151 Financial specialists (e.g., accountants, auditors) 152 Personnel, training, and labor relations specialists 153 Other management related occupations (e.g., buyers and purchasing agents, clair adjusters, compliance officers, logistician management analysts, marketing specialists) 		
Mathematical Scientists	171 Actuaries174 Statisticians172 Mathematicians176 Other mathematical scientists173 Operations research analysts177 Data scientists		
Physical Scientists	 191 Astronomers 192 Atmospheric and space scientists 193 Biochemists and biophysicists 194 Environmental scientists and specialists 195 Geoscientists, including hydrologists and oceanographers 196 Physicists, except biophysicists 197 Technologists and technicians in the physical sciences 198 Other physical scientists 		
Research Associates/ Assistants	Find the category on page that comes closest to your research field and select the code		
Sales/Marketing Occupations	 Sales representatives: services (e.g., insurance, securities, real estate, and business services) Sales representatives: wholesale and manufacturing (e.g., industrial machinery/ equipment/supplies) Retail sales workers (e.g., furnishings, clothing, motor vehicles, cosmetics) Miscellaneous sales and related workers 		
Service Occupations, Except Health Also consider 111 to 114 under Health Occupations	 Food preparation and service (e.g., cooks, waitresses, bartenders) Protective services occupations (e.g., firefighters, police, guards, wardens, park rangers) Other service occupations, except health (e.g., personal care service occupations, building and grounds cleaning and maintenance occupations, etc.) 		
Social Scientists	231 Anthropologists and archeologists236 Psychologists - research and applied (e.g232 Economistsindustrial-organizational, experimental)233 Historians237 Sociologists235 Political scientists238 Other social scientists		
Social Workers	240 Social workers 241 Miscellaneous community and social service specialists (e.g., probation officers and correctional treatment specialists)		
Teachers—Precollege	 Preschool and kindergarten teachers Elementary and middle school teachers Secondary – computer, math, or sciences Secondary – social sciences Secondary – other subjects Special education – primary and secondary school Other precollegiate area 		
Teachers/Professors— Postsecondary	271 Agriculture 272 Art, Drama, and Music 273 Biological Sciences 274 Business 275 Chemistry 276 Computer Science 277 Atmospheric, Earth, Environmental, Marine, and Space Sciences 278 Economics 279 Education 280 Engineering 281 History 282 Mathematical Sciences 287 Health 288 Recreation and Fitness Studies 289 Physics 290 Political Science 291 Psychology 293 Sociology 293 Sociology 297 Other Life and Physical Sciences (e.g., Conservation, etc.) 298 Other Social Sciences 299 Other Postsecondary fields		
Teachers—Other	300 Other teachers and instructors (e.g., private tutors, dance or flying instructors, martial arts instructors)		
Writers/Editors/Public Relations Specialists/Artists/ Entertainers/Broadcasters	010 Writers, editors, public relations specialists, artists, entertainers, broadcasters		
Other Professions	 401 Construction and extraction occupations 402 Installation, maintenance, and repair occupations 403 Production occupations (e.g., assemblers bakers, metal workers, tailors, woodworke 405 Transportation and material moving occupations 		
Other Occupations	500 Other occupations (Not listed)		

Thank you for completing the questionnaire!

Please complete this form within two weeks and return it in the envelope provided.

If you have any questions or need assistance, please visit our SDR website at www.NSFsdr.org, call us toll-free at 1-800-685-1663 (inside the U.S. or Canada) or at 1-312-871-4272 (outside the U.S.), or email us at SDR@norc.org. If you cannot find the envelope or would like another, please email or call us.

Our mailing address is:

2023 Survey of Doctorate Recipients c/o NORC at the University of Chicago 55 E Monroe Street 19th floor, #9397 Chicago, IL 60603

UNITED STATES OF AMERICA

- Results of the Survey of Doctorate Recipients can be found on the National Science Foundation's Website at https://ncses.nsf.gov/surveys/doctorate-recipients.
- You are not required to respond to any information collection unless it displays a valid approval number from the Office of Management and Budget. The approval number for this survey is 3145-0020.

COMMENTS ABOUT THIS SURVEY				

Degree information collected in this survey is sorted to create a series of degree variables. Degree grid variables derived from reported information (i.e., recodes) are noted in blue text and indicated with an asterisk (*).

For the most recent degree:

MR5YRP*

MRRGNP*

MRDGRUS*

NMRMEMG*

NMRMENGP*

For the first US S&E or health PhD:

SDR5YRP*

SDRRGNP*

NSDRMEMTOD* NSDRMENTOD* SEHTOD* For the first bachelor's degree:

BAAYR5P*

BARGNP*

BADGRUS*

NBAMEMG*

NBAMENGP*

For the highest degree:

HDAY5P

HDRGNP*

HDDGRUS*

NDGMEMG*

NDGMENGP*

For the 2nd highest degree:

D2DG

D25YRP*

D2RGNP*

D2DGRUS*

ND2MEMG*

For the 3rd highest degree:

D3DG

D35YRP*

D3RGNP*

D3DGRUS*

ND3MEMG*