2019 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 Westat

Please make any name/address changes below:

First Name

M.I.

Last Name

Number and Street Address

City/Town

State

ZIP/Postal Code

Territory/Country (if non-U.S.)

Dr. {FIRST NAME} {MIDDLE INITIAL} {LAST NAME}
{ORGNAME}
{STREET ADDRESS 1}
{STREET ADDRESS 2}
{CITY}, {STATE} {ZIP CODE}

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 2002. 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: 08/31/2022
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 [x] and mark the correct answer.

• In order to get comparable data, we will be asking you to refer to the week of February 1, 2019 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@westat.com or call us toll-free at 1-855-460-5324 or locally at 301-637-8195.

Thank you again for your help; we really appreciate it.
Part A - Employment Situation

A1. Were you working for pay or profit during the week of February 1, 2019?

Working includes being self-employed and not getting paid that week, on a postdoctoral appointment, traveling while employed, or on any type of paid or unpaid leave, including vacation.

☐ Yes ➜ Go to question A8

☐ No

A2. Did you look for work during the four weeks preceding February 1, 2019? This would be between January 4th and February 1st.

☐ Yes

☐ No

A3. What were your reasons for not working during the week of February 1, 2019?

Mark Yes or No for each item.

1. Retired
2. On layoff from a job
3. Student
4. Family responsibilities
5. Chronic illness or permanent disability
6. Suitable job not available
7. Did not need or want to work
8. Other reason – Specify

A3a. If retired, please indicate the year you retired.

Year retired

A4. Prior to the week of February 1, 2019, when did you last work for pay or profit?

Last Worked

☐ Never worked for pay or profit ➜ Go to page 10, question D1

A5. What was the title of the last job you held prior to the week of February 1, 2019?

Example: Physics professor

A6. What kind of work were you doing on this last job – that is, what were your duties and responsibilities on your last job? Please be as specific as possible, including any area of specialization.

Example: Taught physics and conducted research. Specialized in high energy physics.

A7. Using the JOB CATEGORY list on pages 16-17, choose the code that best describes the last job you held prior to the week of February 1, 2019.

Code ➜ Go to page 8, question A42

A8. Although you were working during the week of February 1, 2019, had you previously retired from any position?

Examples of retirement include mandatory retirement, early retirement, or voluntary retirement.

☐ Yes ➜ Year retired

☐ No
A9. Who was your principal employer during the week of February 1, 2019?
   If you had more than one job, report the one for which you worked the most hours that week.
   If your employer had more than one location, report the location that employed you.
   If you worked for a contracting or consulting company, report the name of that company, not the client organization.

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

A10. What was that 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 Business

A11. Counting all locations where this employer operates, how many people work for your principal employer? Your best estimate is fine.
   Mark one answer.

   - 10 or fewer employees
   - 11 - 24 employees
   - 25 - 99 employees
   - 100 - 499 employees
   - 500 - 999 employees
   - 1,000 - 4,999 employees
   - 5,000 - 24,999 employees
   - 25,000 or more employees

A12. Did your principal employer come into being as a new business within the past 5 years?
   - Yes
   - No

A13. Which one of the following best describes your principal employer during the week of February 1, 2019? Were you...
   Mark one answer.

   **SELF-EMPLOYED OR A BUSINESS OWNER**
   - In a non-incorporated business, professional practice, or farm
   - In an incorporated business, professional practice, or farm

   **PRIVATE SECTOR EMPLOYEE**
   - In a for-profit company or organization
   - In a non-profit organization (including tax-exempt and charitable organizations)

   **U.S. GOVERNMENT EMPLOYEE**
   - In a local government in the U.S. (e.g., city, county, school district)
   - In a U.S. state government (including U.S. state colleges/universities)
   - In the U.S. military service, active duty or Commissioned Corps (e.g., USPHS, NOAA)
   - In the U.S. federal government (e.g., civilian employee)

   **OTHER TYPE OF EMPLOYEE**
   - In a non-U.S. government at any level
   - Other – Specify
A14. Was your principal employer an educational institution?

☐ Yes
☐ No → Go to page 4, question A19

A15. Was the educational institution where you worked a...

Mark one answer.

☐ Preschool, elementary, middle, or secondary school or system

☐ Two-year college, community college, or technical institute

☐ Four-year college or university, other than a medical school

☐ Medical school (including university-affiliated hospital or medical center)

☐ University-affiliated research institute

☐ Other – Specify

A16. During the week of February 1, 2019, what type of academic position(s) did you hold at this institution?

Mark Yes or No for each item.

1. President, Provost or Chancellor (any level).............................................. ☐ ☐
2. Dean (any level), department head or department chair................................. ☐ ☐
3. Research faculty, scientist, associate or fellow............................................. ☐ ☐
4. Teaching faculty................................................................. ☐ ☐
5. Adjunct faculty................................................................. ☐ ☐
6. Postdoc (e.g., postdoctoral fellow or associate)............................................ ☐ ☐
7. Research assistant.......................... ☐ ☐
8. Teaching assistant.......................... ☐ ☐
9. Other position – Specify.......................... ☐ ☐

A17. What was your faculty rank?

Mark one answer.

☐ Not applicable: no ranks designated at this institution

☐ Not applicable: no ranks designated for my position

☐ Professor
☐ Associate Professor
☐ Assistant Professor
☐ Instructor
☐ Lecturer
☐ Other – Specify

A18. What was your tenure status?

Mark one answer.

☐ Not applicable: no tenure system at this institution

☐ Not applicable: no tenure system for my position

☐ Tenured → Year tenured

☐ On tenure track but not tenured

☐ Not on tenure track
A19. What was the title of the principal job you held during the week of February 1, 2019?
Example: Physics professor

A20. What kind of work were you doing on this job—that is, what were your duties and responsibilities on your principal job? Please be as specific as possible, including any area of specialization.
Example: Taught physics and conducted research. Specialized in high energy physics.

A21. Using the JOB CATEGORY list on pages 16-17, choose the code that best describes the principal job you held during the week of February 1, 2019.

A22. Did your duties on this job require the technical expertise of a bachelor’s degree or higher in...
Mark Yes or No for each item.

1. Engineering, computer science, math or the natural sciences
2. The social sciences
3. Some other field (e.g., health, business, or education) – Specify

A23. Was this job a “postdoc”?
A “postdoc” is a temporary position awarded in academe, industry, a non-profit organization, or government primarily for gaining additional education and training in research.

Yes  No  Go to question A26

A24. What were your reasons for taking this postdoc?
Mark Yes or No for each item.

1. Additional training in Ph.D. field
2. Training in an area outside of Ph.D. field
3. Work with a specific person or in a specific place
4. Other employment not available
5. Postdoc generally expected for a career in this field
6. Some other reason – Specify

A25. Which two reasons in question A24 were your most important reasons for taking this postdoc?
Enter number of appropriate reason from question A24 above.

a. Most important reason
b. Second most important reason (Enter “0” if no second reason)

A26. During what month and year did you start this job (that is, the principal job you held during the week of February 1, 2019)?

Month  Year

Yes  No
A27. To what extent was your work on your principal job related to your first U.S. doctoral degree? Was it...
Mark one answer.
- Closely related
- Somewhat related
- Not related

Go to question A30

A28. Did these factors influence your decision to work in an area outside the field of your first U.S. doctoral degree?
Mark Yes or No for each item.

Yes No

1. Pay, promotion opportunities
2. Working conditions (e.g., hours, equipment, working environment)
3. Job location
4. Change in career or professional interests
5. Family-related reasons (e.g., children, spouse’s job moved)
6. Job in doctoral degree field not available
7. Some other reason – Specify

A29. Which two factors in question A28 were your most important reasons for working in an area outside the field of your first U.S. doctoral degree?
Enter number of appropriate reason from question A28 above.

a. Most important reason
b. Second most important reason

(Enter “0” if no second reason)

Go to question A30

A30. The next question is about your work activities on your principal job. Which of the following work activities occupied at least 10 percent of your time during a typical work week on this job?
Mark Yes or No for each item.

Yes No

1. Accounting, finance, contracts
2. Basic research – study directed toward gaining scientific knowledge primarily for its own sake
3. Applied research – study directed toward gaining scientific knowledge to meet a recognized need
4. Development – using knowledge gained from research for the production of materials, devices
5. Design of equipment, processes, structures, models
6. Computer programming, systems or applications development
7. Human resources – including recruiting, personnel development, training
8. Managing or supervising people or projects
9. Production, operations, maintenance (e.g., chip production, operating lab equipment)
10. Professional services (e.g., health care, counseling, financial services, legal services)
11. Sales, purchasing, marketing, customer service, public relations
12. Quality or productivity management
13. Teaching
14. Other activity – Specify

A31. On which two activities in question A30 did you work the most hours during a typical week on this job?
Enter number of appropriate activity from question A30 above.

a. Activity most hours
b. Activity second most hours

(Enter “0” if no second most)
A32. Did you supervise the work of others as part of the principal job you held during the week of February 1, 2019?

Mark “Yes” if you recommended or initiated personnel actions such as hiring, firing, evaluating, or promoting others.

Teachers: Do not count students.

☐ Yes
☐ No ➔ Go to question A34

A33. How many people did you typically...

<table>
<thead>
<tr>
<th>a. Supervise directly?</th>
<th>Number supervised</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Yes</td>
<td></td>
</tr>
<tr>
<td>☐ No</td>
<td></td>
</tr>
</tbody>
</table>

If none, enter “0”

<table>
<thead>
<tr>
<th>b. Supervise indirectly through subordinate supervisors?</th>
<th>Number supervised</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ Yes</td>
<td></td>
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<tr>
<td>☐ No</td>
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</table>

If none, enter “0”

A34. Thinking about your principal job held during the week of February 1, 2019, please rate your satisfaction with that job’s...

Mark one answer for each item.

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<tr>
<td>☐ Very satisfied</td>
<td>☐ Somewhat satisfied</td>
<td>☐ Somewhat dissatisfied</td>
<td>☐ Very dissatisfied</td>
<td>☐ Very satisfied</td>
<td>☐ Somewhat satisfied</td>
<td>☐ Somewhat dissatisfied</td>
<td>☐ Very dissatisfied</td>
<td>☐ Very dissatisfied</td>
</tr>
</tbody>
</table>

A35. How would you rate your overall satisfaction with the principal job you held during the week of February 1, 2019?

Mark one answer.

☐ Very satisfied
☐ Somewhat satisfied
☐ Somewhat dissatisfied
☐ Very dissatisfied
A36. As of the week of February 1, 2019, what was your basic annual salary on your principal job, before deductions?
Do not include bonuses, overtime, or additional compensation for summertime teaching or research.
If you are not salaried, please estimate your earned income, excluding business expenses.

Annual Salary or Earned Income
$
\phantom{,00}$ IN USD

A37. Was this salary based on a 52-week year, or less than that?
Include paid vacation and sick leave.

52-week year
Less than 52 weeks

Weeks Per Year

A38. During a typical week on your principal job, how many hours did you work?

Number of Hours Worked Per Week

• If fewer than 35 hours, go to question A39.
• If 35 or more hours, go to question A41.

A39. (If fewer than 35 hours) Did you want to work 35 or more hours per week on your principal job?

Yes
No

A40. For which of the following reasons did you usually work fewer than 35 hours per week on the principal job you held during the week of February 1, 2019?

Mark Yes or No for each item.

1. Previously retired or semi-retired
2. Student
3. Family responsibilities
4. Full-time job not available
5. Held more than one job
6. Did not need or want to work more hours
7. Other reason – Specify

A40a. If previously retired or semi-retired, please indicate the year you retired.

Year retired

A41. Concerning your principal job during the week of February 1, 2019, were any of the following benefits available to you, even if you chose not to take them?

Mark Yes or No for each item.

1. Health insurance that was at least partially paid by your employer
2. A pension plan or a retirement plan to which your employer contributed
3. A profit-sharing plan
4. Paid vacation, sick, or personal days
A42. Thinking back now to 2018, was any of your work during 2018 supported by contracts or grants from the U.S. federal government?

U.S. federal employees: Please answer “No.”
Mark one answer.

☐ Did not work in 2018 → Go to question B1 on this page

☐ Yes
☐ No
☐ Don’t know → Go to question A44

A43. Which U.S. federal government agencies or departments were supporting your work?

Mark all that apply.

☐ Department of Defense (DOD)
☐ Department of Education
☐ Department of Energy (DOE)
☐ National Institutes of Health (NIH)
☐ Department of Health and Human Services (except NIH)
☐ National Aeronautics and Space Administration (NASA)
☐ National Science Foundation (NSF)
☐ Other – Specify
☐ DON’T KNOW SOURCE AGENCY

A44. Counting all jobs held in 2018, what was your total earned income for 2018, before deductions?

Include all wages, salaries, bonuses, overtime, commissions, consulting fees, net income from businesses, summertime teaching or research, or other work associated with scholarships.

Total 2018 Earned Income

$\boxed{\text{ , }} \boxed{\text{ , }} \boxed{\text{ , }} \boxed{.00 \text{ IN USD}}$

Part B - Past Employment

B1. Were you working for pay or profit during both of these time periods – the week of February 1, 2017, and the week of February 1, 2019?

☐ Yes
☐ No → Go to page 9, question C1

B2. During these two time periods – the week of February 1, 2017, and the week of February 1, 2019 – were you working for...

Mark one answer.

☐ Same employer and in same type of job → Go to page 9, question C1

☐ Same employer but in different type of job
☐ Different employer but in same type of job
☐ Different employer and in different type of job

B3. Why did you change your employer or your job?

Mark Yes or No for each item.

Yes No

1. Pay, promotion opportunities
2. Working conditions (e.g., hours, equipment, working environment)
3. Job location
4. Change in career or professional interests
5. Family-related reasons (e.g., children, spouse’s job moved)
6. School-related reasons (e.g., returned to school, completed a degree)
7. Laid off or job terminated (includes company closings, mergers, buyouts, grant or contract ended)
8. Retired
9. Some other reason – Specify
Part C - Other Work-Related Experiences

C1. During the past 12 months, did you take any work-related training, such as workshops or seminars?
Include conferences or professional meetings only if you attended a training session at the conference or meeting.
Do not include college coursework for which you were enrolled in a degree program.

☐ Yes
☐ No Go to question C4

C2. For which of the following reasons did you take training during the past 12 months?
Mark Yes or No for each item.

1. To improve skills or knowledge in your current occupational field............

2. To increase opportunities for promotion or advancement in your current occupational field....................

3. For licensure or certification in your current occupational field....................

4. To facilitate a change to a different occupational field................................

5. Required or expected by employer......

6. For leisure or personal interest............

7. Other reason – Specify.........................

C3. What was your most important reason from question C2 for taking training?
Enter number of appropriate reason from question C2 above.

Most Important Reason

C4. During the past 12 months, did you attend any professional society or association meetings or professional conferences?
Include regional, national, or international meetings.

☐ Yes
☐ No

C5. To how many regional, national, or international professional societies or associations do you currently belong?
If none, enter “0.”

Number

C6. When thinking about a job, how important is each of the following factors to you?
Mark one answer for each item.

1. Salary........................

2. Benefits........................

3. Job security....................

4. Job location....................

5. Opportunities for advancement....................

6. Intellectual challenge..................

7. Level of responsibility............

8. Degree of independence...........

9. Contribution to society...............
### Part D - Recent Educational Experiences

#### D1. Between February 2017 and February 2019, did you complete another degree, such as a master’s or another doctorate?

- [ ] Yes
- [X] No ➔ Go to page 11, question D7

#### D2. What type of degree did you earn?

If you completed more than one degree between February 2017 and February 2019, mark the level for the highest degree awarded.

Mark one answer.

- [ ] Bachelor’s degree (e.g., BS, BA, AB)
- [ ] Master’s degree (e.g., MS, MA, MBA)
- [ ] Doctorate (e.g., Ph.D., DSc, EdD)
- [ ] Other professional degree (e.g., JD, LLB, MD, DDS, DVM) – Specify

- [ ] Other degree – Specify

#### D3. What was the primary field of study for this degree?

Primary Field of Study

#### D4. In what month and year was this degree awarded?

Degree Awarded

#### D5. From which academic institution did you receive this degree?

- College or University Name
- Department
- City/Town
- State
- Territory/Country (if non-U.S.)

#### D6. For which of the following reasons did you obtain this degree?

Mark Yes or No for each item.

1. To gain further education before beginning a career
   - Yes [ ] No [ ]
2. To prepare for graduate school or further education
   - Yes [ ] No [ ]
3. To change your academic or occupational field
   - Yes [ ] No [ ]
4. To gain further skills or knowledge in your academic or occupational field
   - Yes [ ] No [ ]
5. For licensure or certification
   - Yes [ ] No [ ]
6. To increase opportunities for promotion, advancement, or higher salary
   - Yes [ ] No [ ]
7. Required or expected by employer
   - Yes [ ] No [ ]
8. For leisure or personal interest
   - Yes [ ] No [ ]
9. For some other reason – Specify
   - Yes [ ] No [ ]
D7. During the week of February 1, 2019, were you enrolled in or taking courses at a college or university?

- Yes
- No  ➔ Go to page 12, question E1

D8. Were you taking courses or enrolled as...

Mark one answer.

- A full-time student in a degree program
- A part-time student in a degree program
- Not enrolled in a degree program, but taking courses

D9. Toward what degree were you working?

If you were working toward more than one degree, mark the level for the highest degree.

Mark one answer.

- No specific degree  ➔ Go to question D11
- Bachelor’s degree (e.g., BS, BA, AB)
- Master’s degree (e.g., MS, MA, MBA)
- Doctorate (e.g., Ph.D., DSc, EdD)
- Other professional degree (e.g., JD, LLB, MD, DDS, DVM) – Specify
- Other – Specify

D10. What was the primary field of study for this degree?

Primary Field of Study

D11. For which of the following reasons were you taking courses or enrolled?

Mark Yes or No for each item.

1. To gain further education before beginning a career..........................
2. To prepare for graduate school or further education..........................
3. To change your academic or occupational field..................................
4. To gain further skills or knowledge in your academic or occupational field........
5. For licensure or certification...........................................................
6. To increase opportunities for promotion, advancement, or higher salary...........
7. Required or expected by employer...................................................
8. For leisure or personal interest......................................................
9. For some other reason – Specify....................................................

D12. Were any of your school-related costs for taking courses paid for by an employer?

- Yes
- No
Part E - Demographic Information

E1. On February 1, 2019, were you...
   Mark one answer.
   - [ ] Married
   - [ ] Living in a marriage-like relationship
   - [ ] Widowed
   - [ ] Separated
   - [ ] Divorced
   - [ ] Never married

Go to question E4

E2. During the week of February 1, 2019, was your spouse or partner working?
   - [ ] Yes, full-time
   - [ ] Yes, part-time
   - [ ] No

Go to question E4

E3. Did your spouse's or partner's duties on this job require the technical expertise of a bachelor's degree or higher in...
   Mark Yes or No for each item.
   - [ ] Yes
   - [ ] No

1. Engineering, computer science, math or the natural sciences
2. The social sciences
3. Some other field (e.g., health, business, or education) – Specify

E4. As of the week of February 1, 2019, did you have any children living with you as part of your family?
   Only count children who lived with you at least 50 percent of the time.
   - [ ] Yes
   - [ ] No

Go to page 13, question E6

E5. How many of these children living with you as part of your family were...
   If no children in a category, enter “0.”

   Number of children
   a. Under age 2
   b. Aged 2-5
   c. Aged 6-11
   d. Aged 12-18
   e. Aged 19 or older
E6. On February 1, 2019, were you living in the United States or Puerto Rico, another U.S. territory, or were you living in another country?
Mark one answer.
- United States or Puerto Rico
- Another U.S. territory
- Another country – Specify

E7. On February 1, 2019, were you a...
- U.S. citizen
- Non-U.S. citizen → Go to question E9

E8. Were you a U.S. citizen...
Mark one answer.
- Born in the United States, Puerto Rico or another U.S. territory
- Born abroad of U.S. citizen parent(s)
- By naturalization

Go to question E11

E9. Were you a non-U.S. citizen...
Mark one answer.
- With a Permanent U.S. Resident Visa (Green Card)
- With a Temporary U.S. Resident Visa
- Who no longer held a U.S. Resident Visa

E10. Of which country are you a citizen?

E11. What is your birthdate?
Month Day Year

E12. These questions are asked to verify that our records are correct and that we have reached the correct person selected for this study.

a. From which institution did you receive your first doctorate?
Ph.D. Institution

b. What is the field in which you earned your first doctorate?
Ph.D. Field

c. In what month and year was your first doctorate awarded to you?
Month Year
E13. The next several questions are designed to help us better understand the career paths of individuals with specific functional limitations.

What is the USUAL degree of difficulty you have with...
Mark one answer for each item.

<table>
<thead>
<tr>
<th>Activity</th>
<th>None □</th>
<th>Slight □</th>
<th>Moderate □</th>
<th>Severe □</th>
<th>Unable to do □</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. SEEING words or letters in ordinary newsprint (with glasses/contact lenses, if you usually wear them)</td>
<td></td>
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<td></td>
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<tr>
<td>2. HEARING what is normally said in conversation with another person (with hearing aid, if you usually wear one)</td>
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<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>3. WALKING without human or mechanical assistance or using stairs</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>4. LIFTING or carrying something as heavy as 10 pounds, such as a bag of groceries</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. CONCENTRATING, REMEMBERING, or MAKING DECISIONS because of a physical, mental, or emotional condition</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* If you answered “None” to all the activities in question E13, go to question E15.
  * Otherwise, continue to E14.

E14. What is the earliest age at which you first began experiencing any difficulties in any of these areas?

Age [ ] OR [ ] Since birth

E15. In case we need to clarify some of the information you have provided, please list phone numbers and an email address where you can be reached.

Enter country code “001” for U.S. and Canada. Enter appropriate country code for phone numbers located elsewhere.

<table>
<thead>
<tr>
<th>Phone Type</th>
<th>Country Code</th>
<th>Area/City Code</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Home Phone Number</td>
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<tr>
<td>Work Phone Number</td>
<td>[ ] [ ]</td>
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<tr>
<td>Cell Phone Number</td>
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<td>Email Address</td>
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<td></td>
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</tbody>
</table>
E16. Because we are interested in how education and employment change over time, we may be contacting you in 2021. To help us contact you, please provide the name and contact information for two people who are likely to know where you can be reached. Do not include someone who lives in your household.

As with all the information provided in this questionnaire, complete confidentiality will be provided. These people will only be contacted if we have difficulty contacting you in 2021.

<table>
<thead>
<tr>
<th>Person 1</th>
<th>M.I.</th>
<th>Person 2</th>
<th>M.I.</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name</td>
<td></td>
<td>First Name</td>
<td></td>
</tr>
<tr>
<td>Last Name</td>
<td></td>
<td>Last Name</td>
<td></td>
</tr>
<tr>
<td>Email Address</td>
<td></td>
<td>Email Address</td>
<td></td>
</tr>
<tr>
<td>Number and Street Address</td>
<td></td>
<td>Number and Street Address</td>
<td></td>
</tr>
<tr>
<td>City/Town</td>
<td>State</td>
<td>City/Town</td>
<td>State</td>
</tr>
<tr>
<td>ZIP/Postal Code</td>
<td></td>
<td>ZIP/Postal Code</td>
<td></td>
</tr>
<tr>
<td>Territory/Country (if non-U.S.)</td>
<td></td>
<td>Territory/Country (if non-U.S.)</td>
<td></td>
</tr>
<tr>
<td>Country Code</td>
<td>Area/City Code</td>
<td>Country Code</td>
<td>Area/City Code</td>
</tr>
<tr>
<td>-</td>
<td>-</td>
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</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>JOB CATEGORY</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological/Life Scientists</td>
<td>021</td>
<td>Agricultural and food scientists</td>
</tr>
<tr>
<td></td>
<td>022</td>
<td>Biochemists and biophysicists</td>
</tr>
<tr>
<td></td>
<td>023</td>
<td>Biological scientists (e.g., botanists, ecologists, zoologists)</td>
</tr>
<tr>
<td></td>
<td>024</td>
<td>Forestry and conservation scientists</td>
</tr>
<tr>
<td></td>
<td>025</td>
<td>Medical scientists (excluding practitioners)</td>
</tr>
<tr>
<td></td>
<td>026</td>
<td>Technologists and technicians in the biological/life sciences</td>
</tr>
<tr>
<td></td>
<td>027</td>
<td>OTHER biological and life scientists</td>
</tr>
<tr>
<td>Clerical/Administrative Support Occupations</td>
<td>031</td>
<td>Accounting clerks and bookkeepers</td>
</tr>
<tr>
<td></td>
<td>032</td>
<td>Secretaries, receptionists, typists</td>
</tr>
<tr>
<td></td>
<td>033</td>
<td>OTHER administrative (e.g., record clerks, telephone operators)</td>
</tr>
<tr>
<td>Clergy/Other Religious Workers</td>
<td>040</td>
<td>Clergy and other religious workers</td>
</tr>
<tr>
<td>Computer Occupations</td>
<td>051</td>
<td>Computer &amp; information scientists, research and development experts</td>
</tr>
<tr>
<td></td>
<td>052</td>
<td>Computer network architect</td>
</tr>
<tr>
<td></td>
<td>053</td>
<td>Computer programmers (business, scientific, process control)</td>
</tr>
<tr>
<td></td>
<td>054</td>
<td>Computer support specialists</td>
</tr>
<tr>
<td></td>
<td>055</td>
<td>Computer system analysts</td>
</tr>
<tr>
<td></td>
<td>056</td>
<td>Database administrators</td>
</tr>
<tr>
<td></td>
<td>057</td>
<td>Information security analysts</td>
</tr>
<tr>
<td></td>
<td>058</td>
<td>Network and computer systems administrators</td>
</tr>
<tr>
<td></td>
<td>059</td>
<td>Software developers – applications and systems software</td>
</tr>
<tr>
<td></td>
<td>060</td>
<td>Web developers</td>
</tr>
<tr>
<td></td>
<td>061</td>
<td>OTHER computer and information science occupations</td>
</tr>
<tr>
<td>Consultants</td>
<td>070</td>
<td>Counselors (Educational, vocational, mental health and substance abuse)</td>
</tr>
<tr>
<td></td>
<td>081</td>
<td>Architects</td>
</tr>
<tr>
<td></td>
<td>082</td>
<td>Aeronautical/aerospace/astronautical engineers</td>
</tr>
<tr>
<td></td>
<td>083</td>
<td>Agricultural engineers</td>
</tr>
<tr>
<td></td>
<td>084</td>
<td>Bioengineers or biomedical engineers</td>
</tr>
<tr>
<td></td>
<td>085</td>
<td>Chemical engineers</td>
</tr>
<tr>
<td></td>
<td>086</td>
<td>Civil, including architectural/sanitary engineers</td>
</tr>
<tr>
<td></td>
<td>087</td>
<td>Computer engineers – hardware</td>
</tr>
<tr>
<td></td>
<td>088</td>
<td>Computer engineers – software</td>
</tr>
<tr>
<td></td>
<td>089</td>
<td>Electrical and electronics engineers</td>
</tr>
<tr>
<td></td>
<td>090</td>
<td>Environmental engineers</td>
</tr>
<tr>
<td></td>
<td>091</td>
<td>Industrial engineers</td>
</tr>
<tr>
<td></td>
<td>092</td>
<td>Marine engineers and naval architects</td>
</tr>
<tr>
<td></td>
<td>093</td>
<td>Materials and metallurgical engineers</td>
</tr>
<tr>
<td></td>
<td>094</td>
<td>Mechanical engineers</td>
</tr>
<tr>
<td></td>
<td>095</td>
<td>Mining and geological engineers</td>
</tr>
<tr>
<td></td>
<td>096</td>
<td>Nuclear engineers</td>
</tr>
<tr>
<td></td>
<td>097</td>
<td>Petroleum engineers</td>
</tr>
<tr>
<td></td>
<td>098</td>
<td>Sales engineers</td>
</tr>
<tr>
<td></td>
<td>099</td>
<td>OTHER engineers</td>
</tr>
<tr>
<td>Engineering Technologists/Technicians/Surveyors</td>
<td>100</td>
<td>Electrical, electronic, industrial, and mechanical technicians</td>
</tr>
<tr>
<td></td>
<td>101</td>
<td>Drafting occupations, including computer drafting</td>
</tr>
<tr>
<td></td>
<td>102</td>
<td>Surveying and mapping technicians</td>
</tr>
<tr>
<td></td>
<td>103</td>
<td>OTHER engineering technologists and technicians</td>
</tr>
<tr>
<td></td>
<td>104</td>
<td>Surveyors, cartographers, photogrammetrists</td>
</tr>
<tr>
<td>Farmers/Foresters/Fishermen</td>
<td>110</td>
<td>Farmers, foresters and fishermen</td>
</tr>
<tr>
<td>Health Occupations</td>
<td>111</td>
<td>Diagnosing/treating practitioners (e.g., dentists, optometrists, physicians, psychiatrists, podiatrists, surgeons, veterinarians)</td>
</tr>
<tr>
<td></td>
<td>112</td>
<td>Registered nurses, pharmacists, dieticians, therapists, physician assistants, nurse practitioners</td>
</tr>
<tr>
<td></td>
<td>236</td>
<td>Psychologists, including clinical – Also consider 070 Counselors</td>
</tr>
<tr>
<td></td>
<td>113</td>
<td>Health technologists and technicians (e.g., dental hygienists, health record technologists/technicians, licensed practical nurses, medical or laboratory technicians, radiological technicians)</td>
</tr>
<tr>
<td></td>
<td>114</td>
<td>OTHER health occupations</td>
</tr>
<tr>
<td>Lawyers/Judges</td>
<td>120</td>
<td>Lawyers, judges</td>
</tr>
<tr>
<td>Librarians/Archivists/Curators</td>
<td>130</td>
<td>Librarians, archivists, curators</td>
</tr>
<tr>
<td>Managers and Supervisors, First-Line</td>
<td>Find the category on page 16 or 17 that best describes the occupation of the people you manage and select the code</td>
<td></td>
</tr>
<tr>
<td>Managers, Top-level Executives/Administrators</td>
<td>141</td>
<td>Top-level managers, executives, administrators (e.g., CEO/COO/CFO, president, district manager, general manager, legislator, chancellor, provost)</td>
</tr>
<tr>
<td>Managers, Other</td>
<td>142</td>
<td>Computer and information systems managers</td>
</tr>
<tr>
<td></td>
<td>143</td>
<td>Engineering managers</td>
</tr>
<tr>
<td></td>
<td>144</td>
<td>Medical and health services managers</td>
</tr>
<tr>
<td></td>
<td>145</td>
<td>Natural sciences managers</td>
</tr>
<tr>
<td></td>
<td>146</td>
<td>Education administrators (e.g., registrar, dean, principal)</td>
</tr>
<tr>
<td></td>
<td>147</td>
<td>OTHER mid-level managers</td>
</tr>
</tbody>
</table>
## JOB CATEGORY (Continued)

<table>
<thead>
<tr>
<th>Management-Related Occupations</th>
<th>151 Accountants, auditors, and other financial specialists</th>
<th>153 OTHER management related occupations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Also consider 142 to 147 under Managers, Other</td>
<td>152 Personnel, training, and labor relations specialists</td>
<td></td>
</tr>
<tr>
<td><strong>Mathematical Scientists</strong></td>
<td>171 Actuaries</td>
<td>174 Statisticians</td>
</tr>
<tr>
<td></td>
<td>172 Mathematicians</td>
<td>175 Technologists and technicians in the mathematical sciences</td>
</tr>
<tr>
<td></td>
<td>173 Operations research analysts, including modeling</td>
<td>176 OTHER mathematical scientists</td>
</tr>
<tr>
<td><strong>Physical Scientists</strong></td>
<td>191 Astronomers</td>
<td>195 Oceanographers</td>
</tr>
<tr>
<td></td>
<td>192 Atmospheric and space scientists</td>
<td>196 Physicists, except biophysicists</td>
</tr>
<tr>
<td></td>
<td>022 Biochemists and biophysicists</td>
<td>197 Technologists and technicians in the physical sciences</td>
</tr>
<tr>
<td></td>
<td>193 Chemists, except biochemists</td>
<td>198 OTHER physical scientists</td>
</tr>
<tr>
<td></td>
<td>194 Geologists, including earth scientists</td>
<td></td>
</tr>
<tr>
<td><strong>Research Associates/Assistant</strong></td>
<td>Find the category on page 16 or 17 that comes closest to your research field and select the code</td>
<td></td>
</tr>
<tr>
<td><strong>Sales/Marketing Occupations</strong></td>
<td>200 Insurance, securities, real estate, and business services</td>
<td>202 Sales occupations – retail (e.g., furnishings, clothing, motor vehicles, cosmetics)</td>
</tr>
<tr>
<td></td>
<td>201 Sales occupations – commodities except retail (e.g., industrial machinery/equipment/supplies, medical and dental equip./supplies)</td>
<td>203 OTHER marketing and sales occupations</td>
</tr>
<tr>
<td><strong>Service Occupations, Except Health</strong></td>
<td>221 Food preparation and service (e.g., cooks, waitresses, bartenders)</td>
<td>223 OTHER service occupations, except health (e.g., probation officers, human services workers)</td>
</tr>
<tr>
<td>Also consider 111 to 114 under Health Occupations</td>
<td>222 Protective services (e.g., fire fighters, police, guards, wardens, park rangers)</td>
<td></td>
</tr>
<tr>
<td><strong>Social Scientists</strong></td>
<td>231 Anthropologists</td>
<td>236 Psychologists, including clinical – Also consider 070 Counselors</td>
</tr>
<tr>
<td></td>
<td>232 Economists</td>
<td>237 Sociologists</td>
</tr>
<tr>
<td></td>
<td>233 Historians</td>
<td>238 OTHER social scientists</td>
</tr>
<tr>
<td></td>
<td>235 Political scientists</td>
<td></td>
</tr>
<tr>
<td><strong>Social Workers</strong></td>
<td>240 Social workers</td>
<td></td>
</tr>
<tr>
<td><strong>Teachers—Precollege</strong></td>
<td>251 Pre-kindergarten and kindergarten</td>
<td>255 Secondary – other subjects</td>
</tr>
<tr>
<td></td>
<td>252 Elementary</td>
<td>256 Special education – primary and secondary</td>
</tr>
<tr>
<td></td>
<td>253 Secondary – computer, math, or sciences</td>
<td>257 OTHER precollegiate area</td>
</tr>
<tr>
<td></td>
<td>254 Secondary – social sciences</td>
<td></td>
</tr>
<tr>
<td><strong>Teachers/Professors—Postsecondary</strong></td>
<td>271 Agriculture</td>
<td>283 History</td>
</tr>
<tr>
<td></td>
<td>272 Art, Drama, and Music</td>
<td>286 Mathematics and Statistics</td>
</tr>
<tr>
<td></td>
<td>273 Biological Sciences</td>
<td>287 Health and Related Sciences</td>
</tr>
<tr>
<td></td>
<td>274 Business, Commerce, and Marketing</td>
<td>288 Physical Education</td>
</tr>
<tr>
<td></td>
<td>275 Chemistry</td>
<td>289 Physics</td>
</tr>
<tr>
<td></td>
<td>276 Computer Science</td>
<td>290 Political Science</td>
</tr>
<tr>
<td></td>
<td>277 Earth, Environmental, and Marine Science</td>
<td>291 Psychology</td>
</tr>
<tr>
<td></td>
<td>278 Economics</td>
<td>293 Sociology</td>
</tr>
<tr>
<td></td>
<td>279 Education</td>
<td>297 OTHER Natural Sciences</td>
</tr>
<tr>
<td></td>
<td>280 Engineering</td>
<td>298 OTHER Social Sciences</td>
</tr>
<tr>
<td></td>
<td>281 English</td>
<td>299 OTHER Postsecondary fields</td>
</tr>
<tr>
<td></td>
<td>282 Foreign Language</td>
<td></td>
</tr>
<tr>
<td><strong>Teachers—Other</strong></td>
<td>300 OTHER teachers and instructors (e.g., private tutors, dance or flying instructors, martial arts instructors)</td>
<td></td>
</tr>
<tr>
<td><strong>Writers/Editors/Public Relations Specialists/Artists/Entertainers/Broadcasters</strong></td>
<td>010 Writers, editors, public relations specialists, artists, entertainers, broadcasters</td>
<td></td>
</tr>
<tr>
<td><strong>Other Professions</strong></td>
<td>401 Construction and extraction occupations</td>
<td>403 Precision/production occupations (e.g., metal workers, woodworkers, butchers, bakers, assemblers, printing occupations, tailors, shoemakers, photographic process)</td>
</tr>
<tr>
<td></td>
<td>402 Installation, maintenance, and repair occupations</td>
<td>405 Transportation and material moving occupations</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OTHER OCCUPATIONS</strong></td>
<td>500 OTHER OCCUPATIONS (Not Listed)</td>
<td></td>
</tr>
</tbody>
</table>
THANK YOU FOR COMPLETING THE QUESTIONNAIRE.

Please return the completed form within two weeks in the envelope provided.

If you have any questions or need assistance, please visit our SDR website at www.sdr19.org, call us toll-free at 1-855-460-5324 or locally at 301-637-8195, or email us at SDR@westat.com. If you cannot find the envelope or would like another, please email or call us.

Our mailing address is:
Westat
1600 Research Blvd.
RC B16
Rockville, MD 20850

- Results of the Survey of Doctorate Recipients can be found on the National Science Foundation’s Website at https://www.nsf.gov/statistics/doctoratework.
- 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: