

# **EARLY CAREER DOCTORATES STUDY**

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**2015 QUESTIONNAIRE  
for a web-based survey**

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All Federal information collection efforts must be approved by the Office of Management and Budget (OMB), and must display a valid OMB control number. The OMB control number for this survey is 3145-0235, which expires on 6/30/2017. The average time to complete this survey is about 30 minutes. Response burden comments should be directed to the National Science Foundation, 2415 Eisenhower Avenue, Alexandria, VA 22314, Attn: NSF Reports Clearance Officer.

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**SECTION A: EDUCATION**  
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A\_TEXT: The first set of questions is about each educational degree that you have received.

Administered to: All respondents  
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A1 TEXT: Please start by thinking about your highest degree. *(If you have more than one doctorate or doctorate-equivalent degree, think about the first such degree you received.)*

A1: What type of degree is it?

- 1=Doctorate degree (e.g., PhD, EdD, DSc, Candidate of science, Dr. rer. nat., etc.)
- 2=Doctorate-equivalent degree (e.g., MD, DO, DDS, DVM, etc.)
- 3=Master's degree (e.g., MS, MA, MPH, Diplom, etc.)
- 4=Undergraduate degree (e.g., BS, BA, AB)
- 5=Other degree

Administered to: All respondents  
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A2: What type of doctorate degree is it?

- 1=PhD (Doctor of Philosophy)
- 2=EdD (Doctor of Education)
- 3=DSc (Doctor of Science)
- 4=Candidate of science
- 5=Dr. rer. nat
- 6=Other doctorate degree, including international degree equivalent to U.S. doctorate *(Please specify)*

Administered to: Respondents whose highest degree is a doctorate  
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A3: What type of doctorate-equivalent degree is it?

- 1=DDS (Doctor of Dental Surgery)
- 2=DO (Doctor of Osteopathic Medicine)
- 3=DVM (Doctor of Veterinary Medicine)
- 4=MD (Doctor of Medicine)
- 5=Other doctorate-equivalent degree, including international equivalent to U.S. degree *(Please specify)*

Administered to: Respondents whose highest degree is a doctorate-equivalent degree  
-----

A4: Is your highest degree an international equivalent to a U.S. doctorate or doctorate-equivalent degree?

- 1=Yes *(Please specify)*
- 0=No

Administered to: Respondents whose highest degree is neither a doctorate nor a doctorate-equivalent degree  
-----

A5: Are you currently enrolled in a doctoral or doctoral-equivalent program?

- 1=Yes
- 0=No

NOTE: If the highest degree is not a doctorate, doctorate-equivalent, or an international equivalent, the case is deemed ineligible and routed to F. Demographics.

Administered to: Respondents whose highest degree is not a doctorate, doctorate-equivalent, nor international equivalent

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A6: In what month and year was this degree awarded?

A6a. Month:	A6b. Year:
-9=-Select One	-9=- Select One
1=January	2014=2014
2=February	2013=2013
3=March	2012=2012
4=April	2011=2011
5=May	2009=2009
6=June	2008=2008
7=July	2007=2007
8=August	2006=2006
9=September	2005=2005
10=October	2004=2004
11=November	2003=2003
12=December	2002=2002 or before

NOTE: If the highest degree was awarded more than 10 years ago the case is deemed ineligible and routed to F. Demographics.

Administered to: Respondents whose highest degree is a doctorate, doctorate-equivalent degree, or international equivalent

-----  
A7: Was this degree received from an institution in the United States or another country?

1=United States  
2=Another country

Administered to: All ECDs

-----  
A8: What is the full name and location of the institution from which you received this degree? *(Please do not use acronyms for the institution name.)*

A8a: Institution Name:  
A8b: City or Branch:  
A8c: State:

NOTE: A coding application will be used to code institutions in the United States to the Integrated Postsecondary Data System.

Administered to: ECDs whose highest degree institution is in the U.S.

-----  
A9: What is the full name and location of the institution from which you received this degree? *(Please do not use acronyms for the institution name.)*

A9a: Institution name:  
A9b: City or branch:  
A9c: State or province:  
A9d: Country:

Administered to: ECDs whose highest degree institution is in a foreign country

-----  
A10: What was your primary field of study for this degree?

NOTE: A coding application will be used to code to the Classification of Instructional Programs.

Administered to: All ECDs

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A11: *A postdoctoral appointment, or “postdoc,” is a temporary position awarded in academe, industry, government, or a non-profit organization primarily for gaining additional education and training in research.*

How important is a postdoctoral appointment to advancement in **your** desired career track within your specific field?

- 1=Not important
- 2=Slightly important
- 3=Moderately important
- 4=Very important
- 5=Extremely important
- 6=Undecided on your desired career track

Administered to: All ECDs

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A12: Following is a list of types of knowledge, attributes, and behaviors. For each of these, how well did your graduate program prepare you for your first position after completing your [doctorate/doctorate-equivalent] degree? *(Select one response per row)*

- A12a: Applying research methodologies, tools and techniques appropriately
- A12b: Developing new ideas, processes, or products, which are rooted in research
- A12c: Critically analyzing and evaluating findings and results
- A12d: Demonstrating a theoretical and practical understanding of your subject area and its wider research context
- A12e: Working constructively with colleagues, acknowledging their contribution
- A12f: Influencing others, providing direction and encouraging their contribution
- A12g: Communicating ideas clearly and persuasively in writing such as in journal articles, grant proposals, or reports
- A12h: Communicating ideas clearly and persuasively when speaking to others one-on-one or in small groups
- A12i: Communicating ideas clearly and persuasively when speaking before audiences such as in presentations or lectures
- A12j: Effectively planning, managing and delivering projects on time

- 1=Very Unprepared
- 2=Unprepared
- 3=Prepared
- 4=Very Prepared
- 5=Not used in your first position

Administered to: All ECDs

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A13: Not including your [doctorate/doctorate-equivalent degree] in [field] from [institution], how many other undergraduate, graduate, or professional degrees have you received?

- 0=0
- 1=1
- 2=2
- 3=3
- 4=4
- 5=5 or more

Administered to: All ECDs

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**INFORMATION ONLY – DO NOT USE TO REPORT**

A14: So far you have told us about the following degrees:

[Degrees listed here]

Please provide the following information about your next highest degree.

What type of degree is it?

1=Doctorate degree (e.g., PhD, DSc, Candidates of science, Dr. rer. nat., etc.)

2=Doctorate-equivalent degree (e.g., MD, DO, DDS, DVM, etc.)

3=Master's degree (e.g., MS, MA, MPH, Diplom, etc.)

4=Bachelor's degree (e.g., BS, BA, AB)

5=Associate's degree (e.g., AS, AA)

6=Other postsecondary degree (*Please specify*)

Administered to: ECDs who have earned a postsecondary degree other than their highest degree

-----

A15: In what month and year was your [next highest degree] awarded?

A15a: Month:

A15b: Year:

-9=-Select One-

1955–2014

1=January

2=February

3=March

4=April

5=May

6=June

7=July

8=August

9=September

10=October

11=November

12=December

Administered to: ECDs who have earned a postsecondary degree other than their highest degree

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A16: Was your [next highest degree] received from an institution in the United States or another country?

1=United States

2=Another country

Administered to: ECDs who have earned a postsecondary degree other than their highest degree

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A17: In which country is this institution located?

Administered to: ECDs who have earned a postsecondary degree other than their highest degree from an institution outside the U.S.

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A18: What is the full name and location of the institution from which you received your Bachelor's degree?  
(*Please do not use acronyms for the institution name.*)

A18a: Institution name:

A18b: City:

A18c: State:

NOTE: A coding application will be used to code institutions in the United States to the Integrated Postsecondary Data System.

Administered to: ECDs who earned a Bachelor's degree in the U.S.

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A19: Was your [next highest degree] in [doctorate/doctorate-equivalent degree field]?

1=Yes

0=No

Administered to: ECDs who have earned a postsecondary degree other than their highest degree

-----

A20: What was your primary field of study for your [next highest degree]?

NOTE: A coding application will be used to code to the Classification of Instructional Programs.

Administered to: ECDs who have earned a postsecondary degree other than their highest degree in a different field

-----

A21: Have you earned any other undergraduate, graduate, or professional degrees?

1=Yes

0=No

Administered to: ECDs who have earned a postsecondary degree other than their highest degree and have completed responses for the number of degrees specified in A13

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A22: Have you **ever** taken a course at a community college?

1=Yes

0=No

Administered to: All ECDs

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A23: Which of the following were your sources of financial support during graduate school?

*(Select one response per row)*

A23a: Fellowship or scholarship from an institution in the U.S.

A23b: Fellowship or scholarship from abroad

A23c: Grant

A23d: Teaching assistantship

A23e: Research assistantship

A23f: Other assistantship

A23g: Traineeship

A23h: Internship or clinical residency

A23i: Loans from any source

A23j: Personal savings

A23k: Personal earnings during graduate school other than sources already listed

A23l: Spouse's, partner's, or family's earnings or savings

A23m: Employer reimbursement or assistance

A23n: Foreign (non-U.S.) support other than a fellowship or scholarship

A23o: Another source *(Please specify)*

1=Yes

0=No

Administered to: All ECDs

-----

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A24: When you received your [doctorate/doctorate-equivalent] degree in [field] from [institution], how much money did you owe that was directly related to your undergraduate and graduate education?

*(Select one response per column)*

A24a: Undergraduate

- 1=None
- 2=\$10,000 or less
- 3=\$10,001 - \$20,000
- 4=\$20,001 - \$30,000
- 5=\$30,001 - \$40,000
- 6=\$40,001 - \$50,000
- 7=\$50,001 - \$60,000
- 8=\$60,001 - \$70,000
- 9=\$70,001 - \$80,000
- 10=\$80,001 - \$90,000
- 11=\$90,001 or more

A24b: Graduate

- 1=None
- 2=\$10,000 or less
- 3=\$10,001 - \$20,000
- 4=\$20,001 - \$30,000
- 5=\$30,001 - \$40,000
- 6=\$40,001 - \$50,000
- 7=\$50,001 - \$60,000
- 8=\$60,001 - \$70,000
- 9=\$70,001 - \$80,000
- 10=\$80,001 - \$90,000
- 11=\$90,001 or more

Administered to: All ECDs

-----

A25: Do you **currently** owe any money directly related to your [undergraduate/graduate/undergraduate or graduate] education?

- 1=Yes
- 0=No

Administered to: ECDs who owed money for their undergraduate or graduate education when they completed their highest degree

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A26: How much money do you **currently** owe that is directly related to your [undergraduate/graduate/undergraduate and graduate] education?

*(Select one response per column)*

A26a: Undergraduate

- 1=None
- 2=\$10,000 or less
- 3=\$10,001 - \$20,000
- 4=\$20,001 - \$30,000
- 5=\$30,001 - \$40,000
- 6=\$40,001 - \$50,000
- 7=\$50,001 - \$60,000
- 8=\$60,001 - \$70,000
- 9=\$70,001 - \$80,000
- 10=\$80,001 - \$90,000
- 11=\$90,001 or more

A26b: Graduate

- 1=None
- 2=\$10,000 or less
- 3=\$10,001 - \$20,000
- 4=\$20,001 - \$30,000
- 5=\$30,001 - \$40,000
- 6=\$40,001 - \$50,000
- 7=\$50,001 - \$60,000
- 8=\$60,001 - \$70,000
- 9=\$70,001 - \$80,000
- 10=\$80,001 - \$90,000
- 11=\$90,001 or more

Administered to: ECDs who still owe money for their undergraduate or graduate education

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**SECTION B: PROFESSIONAL ACTIVITIES**  
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B\_TEXT: The next questions ask about your work and research activities.

Administered to: All ECDs  
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B1: Thinking about all of your paid, unpaid, and other research activities since receiving your [doctorate/doctorate-equivalent] degree in [field] from [institution], have you:

*(Select one response per row)*

B1a: Published papers in conference proceedings?

B1b: Authored or co-authored papers for presentation at regional, national, or international conferences?  
*(Do not include papers published in conference proceedings.)*

B1c: Had articles **accepted** for publication or already published in a peer-reviewed journal?

B1d: **Submitted** articles for publication in a peer-reviewed journal that were **not** accepted for publication or published?

B1e: Published books?

B1f: Published book chapters?

B1g: Been named as an inventor on U.S. patent applications?

B1h: Been named as an inventor on foreign patent applications?

1=Yes

0=No

Administered to: All ECDs  
-----

B2: Since receiving your [doctorate/doctorate-equivalent degree], how many...

B2a: Papers have you published in conference proceedings?

B2b: Papers have you authored or co-authored for presentation at regional, national, or international conferences? *(Do not include papers published in conference proceedings.)*

B2c: Articles have you had **accepted** for publication or already published in a peer-reviewed journal?

B2d: Articles have you **submitted** for publication in a peer-reviewed journal that were **not** accepted for publication or published? *(If you have submitted one paper multiple times, count it only once.)*

B2e: Books have you published?

B2f: Book chapters have you published?

B2g: U.S. patent applications have you been named as an inventor on?

B2h: Foreign patent applications have you been named as an inventor on?

Administered to: ECDs who have at least one work product since receiving their highest degree  
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B3: Since receiving your [doctorate/doctorate-equivalent] degree, how many patents have been granted to you as an inventor?

B3a: U.S. Patents Granted:

B3b: Foreign Patents Granted:

Administered to: ECDs who have been named as an inventor on a U.S. or foreign patent application since receiving their highest degree

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B4: Thinking of the U.S. patents that you have been granted since receiving your [doctorate/doctorate-equivalent] degree, for which of the following types of activity have they been granted?

*(Select one response per row)*

B4a: Utility patents (i.e., patents for inventions)

B4b: Plant patents (i.e., patents for fundamentally altered plant species)

B4c: Design patents (i.e., patents for appearance)

1=Yes

0=No

Administered to: ECDs who have been granted a U.S patent as an inventor since receiving their highest degree

-----  
B5: Since receiving your [doctorate/doctorate-equivalent] degree, have any of your patents resulted in commercialized products or processes or been licensed?

1=Yes

0=No

Administered to: ECDs who have been granted a U.S. or foreign patent as an inventor since receiving their highest degree

-----  
B6: 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.*

1=Yes

0=No

Administered to: All ECDs

-----  
B7: For which of the following reasons did you take training during the past 12 months?

*(Select one response per row)*

B7a: To improve skills or knowledge in your current occupational field

B7b: To increase opportunities for promotion or advancement in your current occupational field

B7c: For licensure or certification in your current occupational field

B7d: To facilitate a change to a different occupational field

B7e: Required or expected by employer

B7f: For leisure or personal interest

B7g: For another reason *(Please specify)*

1=Yes

0=No

Administered to: ECDs who have received training in the past 12 months

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**SECTION C: EMPLOYMENT**  
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C\_TEXT: We would like to ask you some questions about the work and research positions you have held since receiving your [doctorate/doctorate-equivalent] degree in [field] from [institution]. We are interested in any position including postdoctoral appointments, residencies, fellowships, internships, and self-employment.

Administered to: All ECDs  
-----

C1: Have you worked for pay or profit since receiving your [doctorate/doctorate-equivalent degree]? *Working includes being self-employed, on a postdoctoral appointment, or on any type of paid or unpaid leave, including vacation.*

1=Yes

0=No

Administered to: All ECDs  
-----

C2: What are your reasons for not working for pay?

*(Select one response per row)*

C2a: In school full-time

C2b: In school part-time

C2c: Family responsibilities - child care

C2d: Family responsibilities - other

C2e: Chronic illness or permanent disability

C2f: Suitable position not available

C2g: Do not need or want to work

C2h: On layoff from a position

C2i: Retired

C2j: Other *(Please specify)*

1=Yes

0=No

Administered to: ECDs who have not worked for pay since receiving their highest degree  
-----

C3: *For the next two questions, a full-time position is one that requires at least 35 hours per week and a part-time position is one that requires fewer than 35 hours per week.*

C3a: Since receiving your [doctorate/doctorate-equivalent] degree, how many different **full-time paid** positions have you had, including your current position if applicable?

C3b: Since receiving your [doctorate/doctorate-equivalent] degree, how many different **part-time paid** positions have you had, including your current position if applicable?

Administered to: ECDs who have worked for pay since receiving their highest degree  
-----

C4: Have you held an unpaid or volunteer position since receiving your [doctorate/doctorate-equivalent degree]?

1=Yes

0=No

Administered to: All ECDs  
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C5: Since receiving your [doctorate/doctorate-equivalent] degree, how many different unpaid positions have you had? *Please include your current position if applicable.*

Administered to: ECDs who have held an unpaid position since receiving their highest degree

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C6: *A postdoctoral appointment, or "postdoc," is a temporary position awarded in academe, industry, government or a non-profit organization primarily for gaining additional education and training in research. For the next question, please include any position you consider to be a "postdoc" even if your employer did not or does not. Please also count reappointments to the same position as one appointment.*

How many postdoctoral appointments have you had, including your current position if applicable?

-9=-Select One-

0=0

1=1

2=2

3=3

4=4

5=5

6=6

7=7

8=8

9=9

10=10

Administered to: ECDs who have worked for pay or held an unpaid position since receiving their highest degree

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TRANSITION\_TEXT:

*Iteration 1*

Text: First, we would like to ask you some questions about your **first full-time paid position** following the receipt of your [doctorate/doctorate-equivalent degree] in [field] from [institution]. [If you are currently employed in a different position, we will ask you about your current position later.]

Administered to: ECDs who have held a full-time paid position since receiving their highest degree

*Iteration 2*

Text: Now, we would like to ask you some questions about your current position.

Administered to: ECDs who currently hold a paid or unpaid position that is not their first full-time paid position

*Iteration 3*

Text: Now, we would like to learn more about the postdoctoral appointment, or "postdoc," that you reported holding. If you have had more than one postdoctoral appointment, please refer to the first postdoc that you held.

Administered to: ECDs who have held a postdoc, but neither their iteration 1 or iteration 2 position is considered a postdoc by the ECD or the institution

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C7: In what month and year did [your first full-time paid position/your current position/this postdoc] begin?

C7a: Month:  
-9=-Select One-  
1=January  
2=February  
3=March  
4=April  
5=May  
6=June  
7=July  
8=August  
9=September  
10=October  
11=November  
12=December

C7b: Year:  
-9=- Select One -  
2014=2014  
2013=2013  
2012=2012  
2011=2011  
2010=2010  
2009=2009  
2008=2008  
2007=2007  
2006=2006  
2005=2005  
2004=2004  
2003=2003 or before

Administered to: All ECDs eligible for the iteration  
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C8: In what month and year did this position end?

C8a: Month:  
-9=-Select One-  
1=January  
2=February  
3=March  
4=April  
5=May  
6=June  
7=July  
8=August  
9=September  
10=October  
11=November  
12=December

C8b: Year:  
-9=- Select One -  
2014=2014  
2013=2013  
2012=2012  
2011=2011  
2010=2010  
2009=2009  
2008=2008  
2007=2007  
2006=2006  
2005=2005  
2004=2004  
2003=2003 or before

C8c: You are still in this position  
1=Yes  
0=No

Administered to: All ECDs eligible for the iteration (iteration 1 and 3 only)  
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C9: What [is/was] the official title of this position?

Administered to: All ECDs eligible for the iteration  
-----

C10: Who [is/was] your employer for this position?

1=[Employer from sampling frame]  
2=[Employer from iteration 1]  
3=[Employer from iteration 2]  
4=A different employer  
5=Self-employed

Administered to: All ECDs eligible for the iteration

**INFORMATION ONLY – DO NOT USE TO REPORT**

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C11: What [is/was] the name and country of the place of your employment for this position? *(If your employer [has/had] more than one location, report the location that [employs/employed] you. If you [work/worked] for a contracting or consulting company, report the name of that company, not the client organization.)*

C11a: Employer name:

C11b: Country:

-9=-Select One-

1=United States

2=Outside of the United States

*(Please specify the country)*

NOTE: If the respondent is currently employed by an institution outside of the U.S., the case is deemed ineligible and routed to F. Demographics.

Administered to: ECDs eligible for the iteration who work/worked for an organization not previously identified  
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C12: Which one of the following best describes the type of organization where this position [is/was] located?  
1= Educational institution, public or private including university-affiliated research institutes, hospitals, and medical centers  
2=Government including military and intergovernmental organizations (e.g., United Nations)  
3=Federally Funded Research and Development Center (FFRDC)  
4=Hospital, medical care facility, or community health system not affiliated with a university  
5=For-profit business other than an educational or medical organization  
6=Non-profit organization or foundation other than an educational or medical organization  
7=Other *(Please specify)*

Administered to: ECDs eligible for the iteration who work/worked at an organization not previously identified  
-----

C13: Which one of the following best describes the type of educational institution where this position [is/was] located?  
1=Medical school including university-affiliated hospital or medical center  
2=University or a 4-year college other than a medical school  
3=University-affiliated research institute  
4=Community or two-year college  
5=Preschool, elementary, middle, secondary school or school system

Administered to: ECDs eligible for the iteration who work/worked at an educational organization not previously identified  
-----

C14: Which one of the following best describes the type of government institution where this position [is/was] located?  
1=U.S. military  
2=U.S. federal government (non-military)  
3=U.S. state government  
4=U.S. local government  
5=Foreign government or military  
6=Intergovernmental organization

Administered to: ECDs eligible for the iteration who work/worked at a government organization not previously identified

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- C15: Is this non-profit organization a...
- 1=Research institute, including medical research organization
  - 2=Hospital, medical care facility, or community health system not affiliated with a university
  - 3=University-affiliated hospital or medical center
  - 4=Private foundation
  - 5=Professional or technical society
  - 6=Advocacy group
  - 7=Other (*Please specify*)

Administered to: ECDs eligible for the iteration who work/worked at a non-profit organization not previously identified

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- C16: For each of the following job characteristics, please indicate if it [describes/described] your position or not.  
(*Select one response per row*)

- C16a: [Requires/Required] a PhD or doctorate-equivalent degree (e.g., MD, DO, DDS, DVM)
- C16b: [Requires/Required] that the doctorate was awarded within the last 10 years
- C16c: [Is/Was] a temporary position
- C16d: [Is/Was] intended to provide training in research
- C16e: [Is/Was] intended to advance professional skills
- C16f: [Requires/Required] a full-time commitment to research
- C16g: [Requires/Required] that you work under the direction of a senior scholar or Principal Investigator
- C16h: [Is/Was] intended to be for a defined period of time (i.e., [has/had] a term limit)
- C16i: [Requires/Required] publication of research in scholarly journals
- C16j: [Requires/Required] mentorship for professional development
- C16k: [Is/Was] intended to prepare you for an independent career
- C16l: [Has/Had] an expectation that you provide service to your institution, profession, or community (e.g., committee work, serving as a reviewer)

- 1=Yes
- 0=No
- 97=Don't know

Administered to: All ECDs eligible for the iteration

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- C17: [Would/Did] **you** consider this position a postdoctoral appointment?
- 1=Yes
  - 0=No

Administered to: ECDs eligible for the iteration except for those who are self-employed

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- C18: [Would/did] **your organization** consider this position a postdoctoral appointment?
- 1=Yes
  - 0=No

Administered to: ECDs eligible for the iteration except those who are self-employed and those whose job title string includes "postdoc"

**INFORMATION ONLY – DO NOT USE TO REPORT**

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C19: [In addition to your postdoctoral appointment, [do/did] you hold any of the following academic positions/What type of academic positions [do/did] you hold] at this institution?

*(Select one response per row)*

C19a: Research faculty, scientist, associate, or fellow

C19b: Teaching faculty

C19c: Adjunct faculty

C19d: Postdoc (e.g., postdoctoral fellow or associate)

C19e: Research assistant

C19f: Teaching assistant

C19g: President, Provost, or Chancellor (any level)

C19h: Dean (any level), department head, or department chair

C19i: Other position *(Please specify)*

1=Yes

0=No

Administered to: ECDs eligible for the iteration who work/worked at a postsecondary educational organization

-----  
C20: What [is/was] your faculty rank?

1=Full professor

2=Associate Professor

3=Assistant Professor

4=Instructor

5=Lecturer

6=Not applicable: no ranks designated at your institution

7=Not applicable: no ranks designated for your position

8=Other *(Please specify)*

Administered to: ECDs eligible for the iteration who work/worked in a faculty position at a postsecondary educational organization

-----  
C21: What [is/was] your tenure status?

1=Not applicable: No tenure system at your institution

2=Not applicable: No tenure system for your position

3=Tenured *(Please specify the year tenure was awarded)*

4=On tenure track but not tenured

5=Not on tenure track

Administered to: ECDs eligible for the iteration who work/worked in a faculty position at a postsecondary educational organization

-----  
C22: [Are/Were] you a...

C22a: Clinical researcher?

C22b: Clinical fellow?

C22c: Clinical practitioner?

1=Yes

0=No

Administered to: All ECDs eligible for the iteration

**INFORMATION ONLY – DO NOT USE TO REPORT**

- C23: To what extent [is/was] this position related to your [doctorate/doctorate-equivalent] degree? Would you say...
- 1=Closely related
  - 2=Somewhat related
  - 3=Not related

Administered to: All ECDs eligible for the iteration

-----

- C24: In what field [are/were] you working?

NOTE: A coding application will be used to code to the Classification of Instructional Programs.

Administered to: ECDs eligible for the iteration who work/worked in a field not related to their highest degree field

-----

- C25: Did any of the following factors influence your decision to work in an area outside the field of your [doctorate/doctorate-equivalent] degree?

*(Select one response per row)*

- C25a: Pay, promotion opportunities
- C25b: Working conditions (e.g., hours, equipment, working environment)
- C25c: Personal career or professional interests
- C25d: Family-related reasons (e.g., children, spouse's or partner's job location)
- C25e: Geographic location of position
- C25f: Position in your doctorate field of study was not available
- C25g: Opportunity for training outside doctorate field of study
- C25h: Some other reason *(Please specify)*

- 1=Yes
- 0=No

Administered to: ECDs eligible for the iteration who work/worked in a field not related to their highest degree field

-----

TRANSITION\_TEXT: The next series of questions are about your search for this position and how you decided to take it.

Administered to: All ECDs eligible for the iteration

-----

- C26: What was the primary way you found this position?
- 1=An advertisement in a journal, publication, or website
  - 2=Through your graduate advisor
  - 3=Through a mentor other than your graduate advisor
  - 4=Through another colleague
  - 5=Directly contacted by this employer other than by mentor or colleague
  - 6=You directly contacted this employer
  - 7=You were promoted from an internship within the organization
  - 8=You were promoted from another position within the organization
  - 9=Career or job fair
  - 10=Professional recruiter
  - 11=Other *(Please specify)*

Administered to: ECDs eligible for the iteration except those who are self-employed

INFORMATION ONLY – DO NOT USE TO REPORT

-----  
C27: Were you offered other positions at the time you accepted this position?

1=Yes

0=No

Administered to: All ECDs eligible for the iteration  
-----

C28: What type of positions were you offered at the time you accepted this position? Were you offered...

*(Select one response per row)*

C28a: Permanent position(s)

C28b: Postdoc(s)

C28c: Temporary position other than a postdoc

1=Yes

0=No

Administered to: ECDs eligible for the iteration who were offered other positions when they accepted their position  
-----

C29: What factors did you consider in your decision to choose this position?

*(Select one response per row)*

C29a: It was the only position you were offered at the time

C29b: Opportunity to publish

C29c: Opportunity to conduct your own independent research

C29d: Opportunity to increase knowledge in your [doctorate/doctorate-equivalent] degree field of study

C29e: Opportunity for training outside of your [doctorate/doctorate-equivalent] degree field of study

C29f: Opportunity to work with a particular researcher

C29g: Likelihood of receiving outside funding

C29h: Success of this supervisor's former staff (e.g., postdocs, research staff)

C29i: Prestige of the institution

C29j: Opportunity to work in a particular lab

C29k: Promotion opportunities

C29l: Salary

C29m: Benefits provided by the institution (e.g., health insurance)

C29n: Family-related reasons (e.g., children, spouse's or partner's job location)

C29o: Geographic location of position

C29p: Working conditions (e.g., hours, equipment, and working environment)

C29q: Other *(Please specify)*

1=Yes

0=No

Administered to: All ECDs eligible for the iteration

INFORMATION ONLY – DO NOT USE TO REPORT

- 
- C30: Which factor was most important in your decision to choose this position?
- 1=It was the only position you were offered at the time
  - 2=Opportunity to publish
  - 3=Opportunity to conduct your own independent research
  - 4=Opportunity to increase knowledge in your [doctorate/doctorate-equivalent] degree field of study
  - 5=Opportunity for training outside of your [doctorate/doctorate-equivalent] degree field of study
  - 6=Opportunity to work with a particular researcher
  - 7=Likelihood of receiving outside funding
  - 8=Success of this supervisor's former staff (e.g., postdocs, research staff)
  - 9=Prestige of the institution
  - 10=Opportunity to work in a particular lab
  - 11=Promotion opportunities
  - 12=Salary
  - 13=Benefits provided by the institution (e.g., health insurance)
  - 14=Family-related reasons (e.g., children, spouse's or partner's job location)
  - 15=Geographic location of position
  - 16=Working conditions (e.g., hours, equipment, and working environment)
  - 17=[Other factor specified in C29q]

Administered to: ECDs eligible for the iteration who identified more than one factor in their decision to choose the position

-----

- C31: When you were offered this position, were you provided with information about... *(Select one response per row)*
- C31a: Salary?
  - C31b: Benefits?
  - C31c: The end date of the position?
  - C31d: Research project(s) that you would be working on?
  - C31e: The responsibilities of the position?
- 1=Yes
  - 2=No
  - 3=Don't remember
  - 4=Not applicable

Administered to: ECDs eligible for the iteration except for those who are self-employed

-----

- C32: Thinking about this position, [are/were] any of the following benefits available to you, even if you [choose/chose] not to take them? *(Select one response per row)*
- C32a: Dental insurance
  - C32b: Vision insurance
  - C32c: Health insurance
  - C32d: Life insurance
  - C32e: Paid sick days
  - C32f: Paid vacation days
  - C32g: Paternity or maternity leave
  - C32h: Retirement plan (e.g., 401(k) or 403(b)) or pension
  - C32i: Childcare subsidy
  - C32j: Tuition reimbursement or education subsidy
  - C32k: Other *(Please specify)*
- 1=Yes
  - 0=No

Administered to: All ECDs eligible for the iteration

INFORMATION ONLY – DO NOT USE TO REPORT

-----  
TRANSITION\_TEXT: The next questions ask about the funding for this position.

C33: What [is/was] your basic annual salary before deductions for this position?

*Do not include bonuses, overtime, or additional compensation for summertime teaching or research. If you [are/were] not salaried, please estimate your earned income.*

C33a: Basic annual salary when you started the position: \$|.00

Unpaid or volunteer

1=Yes

0=No

C33b: [Current basic annual salary/Basic annual salary when this position ended]: \$|.00

Unpaid or volunteer

1=Yes

0=No

Administered to: All ECDs eligible for the iteration

-----  
C34: We appreciate the sensitivity of this question, and assure that this information will be kept confidential. Would you indicate which of the following categories best describes your basic annual salary before deductions for this position?

*Do not include bonuses, overtime, or additional compensation for summertime teaching or research. If you [are/were] not salaried, please estimate your earned income.*

C34a: Basic annual salary when you started the position

C34b: [Current basic annual salary/Basic annual salary when this position ended]

-9=-Select one-

0=Unpaid or volunteer

1=\$30,000 or less

2=\$30,001 - \$35,000

3=\$35,001 - \$40,000

4=\$40,001 - \$50,000

5=\$50,001 - \$60,000

6=\$60,001 - \$70,000

7=\$70,001 - \$80,000

8=\$80,001 - \$90,000

9=\$90,001 - \$100,000

10=\$100,001 - \$110,000

11=\$110,001 or above

98=Rather not say

Administered to: ECDs eligible for the iteration who did not answer one or both parts of J1SALARY

-----  
C35: Over how many months [is/was] your annual salary disbursed?

1=12 months

2=Fewer than 12 months

*(Please specify the number of months, rounding to nearest month)*

Administered to: ECDs eligible for the iteration who answered one or both parts of C33 or C34

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C36: Which of the following sources [fund/funded] [your current position at this point in time/ this position]?

*(Select one response per row)*

- C36a: U.S. federal research grant or contract
- C36b: U.S. federal fellowship or training grant
- C36c: U.S. state or public university funds
- C36d: Private university funds
- C36e: U.S. city or local government funds
- C36f: Foreign (non-U.S.) government funds
- C36g: Non-profit organization or foundation funds
- C36h: For-profit business funds
- C36i: Personal or other individually held funds
- C36j: Other sources *(Please specify)*

1=Yes  
0=No  
97=DK

Administered to: All ECDs eligible for the iteration  
-----

C37: How many U.S. federal [grants and contracts/fellowships and grants/grants, contracts, and fellowships] [support/supported] this position?

1=One  
2=More than one *(Please specify if number is known)*  
97=Don't know

Administered to: ECDs eligible for the iteration whose position is/was funded by a U.S. federal research grant/contract or federal training grant/fellowship  
-----

C38: Thinking about the U.S. federal fellowships, grants or contracts that [fund/funded] this position, to whom [are/were] these awarded?

*(Select one response per row)*

- C38a: Directly to you
- C38b: Your supervisor or the Principal Investigator of the project you [work/worked] on
- C38c: A research center, consortium, or lab
- C38d: Your organization
- C38e: Other *(Please specify)*

1=Yes  
0=No  
97=Don't know

Administered to: ECDs eligible for the iteration whose position is/was funded by a U.S. federal research grant/contract or federal training grant/fellowship

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-----  
C39: Which government agencies [fund/funded] this position?

*(Select one response per row)*

- C39a. Department of Agriculture (USDA)
- C39b. Department of Commerce (Commerce)
- C39c. Department of Defense (DOD)
- C39d. Department of Education (ED)
- C39e. Department of Energy (DOE)
- C39f. Department of Homeland Security (DHS)
- C39g. Department of the Interior (DOI)
- C39h. Department of Labor (DOL)
- C39i. Department of Transportation (DOT)
- C39j. Department of Veterans Affairs (VA)
- C39k. National Aeronautics and Space Administration (NASA)
- C39l. National Institutes of Health (NIH)
- C39m. National Science Foundation (NSF)
- C39n. Other *(Please specify)*

1=Yes  
0=No  
97=Don't know

Administered to: ECDs eligible for the iteration whose position is/was funded by a U.S. federal research grant/contract or federal training grant/fellowship

-----  
C40: During a typical week in this position, how many hours [do/did] you work?

Administered to: All ECDs eligible for the iteration

-----  
C41: The next questions ask about your work activities in this position.

While in this position [have/did] you...

*(Select one response per row)*

- C41a: [Written/Write] technical reports or working papers other than those presented at conferences or submitted for publication?
- C41b: [Attended/Attend] professional conferences when you were not presenting papers?
- C41c: [Served/Serve] as a reviewer for a conference, journal, or an agency, institution, or organization?
- C41d: [Supervised/Supervise] graduate students, postdocs, or research staff?
- C41e: [Taught/Teach] courses?
- C41f: [Developed/Develop] marketable products?
- C41g: [Worked/Work] with researchers not a part of your department or lab?
- C41h: [Served/Serve] as the principal or co-investigator on funded grants?
- C41i: [Prepared/Prepare] grant or fellowship proposals in which you [are/were] listed as the principal or co-investigator?
- C41j: [Prepared/Prepare] grant proposals in which you [are/were] **not** listed as the principal or co-investigator?

1=Yes  
0=No

Administered to: All ECDs eligible for the iteration

**INFORMATION ONLY – DO NOT USE TO REPORT**

C42: On which one of the following activities [do/did] you work the most hours during a typical week in this position?

- 1=Basic research
- 2=Applied research
- 3=Development
- 4=Teaching
- 5=Management or administration
- 6=Clinical or professional services to individuals
- 7=Supervising students
- 8=Other (*Please specify*)

Administered to: All ECDs eligible for the iteration

-----

C43: On which one of the following activities [do/did] you work the **second** most hours during a typical week in this position?

- 1=Basic research
- 2=Applied research
- 3=Development
- 4=Teaching
- 5=Management or administration
- 6=Clinical or professional services to individuals
- 7=Supervising students
- 8=Other (*Please specify*)
- 9=No secondary work activity

Administered to: All ECDs eligible for the iteration

-----

C44: How often [do/did] you and your supervisor meet to discuss your work? (*Do not count lab and departmental meetings.*) Would you say...

- 1=Once a day or more
- 2=At least once a week but not every day
- 3=At least once a month but not every week
- 4=At least once a year but not every month
- 5=Never
- 6=[Do/Did] not have a supervisor

Administered to: All ECDs eligible for the iteration

-----

C45: [Have/Did] you and your supervisor [written/write] a plan that [outlines/outlined] the expectations and responsibilities of your position?

- 1=Yes
- 0=No

Administered to: ECDs eligible for the iteration who have/had a supervisor

-----

C46: [Have/Did] you and your supervisor [discussed/discuss] the option of developing a plan?

- 1=Yes
- 0=No

Administered to: ECDs eligible for the iteration who did not develop a plan with their supervisors

INFORMATION ONLY – DO NOT USE TO REPORT

-----  
C47: How much [does/did] the plan reflect your personal career development goals? Would you say...  
1=Not at all  
2=Somewhat  
3=A great deal

Administered to: ECDs eligible for the iteration who developed a plan with their supervisors  
-----

C48: [Has/Did] your supervisor [provided/provide] you with a formal performance evaluation?  
1=Yes  
0=No

Administered to: ECDs eligible for the iteration who have/had a supervisor  
-----

C49: Do you expect a performance evaluation in the future?  
1=Yes  
0=No

Administered to: ECDs eligible for the iteration who are reporting on a current position for which they have not had a performance evaluation  
-----

C50: With regard to your supervisor, please indicate the extent to which you agree or disagree with the following statements.

Your supervisor...

*(Select one response per row)*

C50a: [Provides/Provided] appropriate recognition for your work.

C50b: [Encourages/Encouraged] collaboration with other researchers.

C50c: [Encourages/Encouraged] increasing independence in your research.

C50d: [Encourages/Encouraged] presenting work outside the department or lab.

C50e: [Provides/Provided] opportunities to work on grant proposals.

C50f: [Supports/Supported] publishing papers.

C50g: [Provides/Provided] career guidance

C50h: [Encourages/Encouraged] work-life balance.

1=Strongly disagree

2=Somewhat disagree

3=Neither agree nor disagree

4=Somewhat agree

5=Strongly agree

Administered to: ECDs eligible for the iteration who have/had a supervisor

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C51: While in this position, [have/did] you [attended/ attend] any training workshops or training courses about the following topics? *(Select one response per row)*

- C51a: Grant writing
- C51b: Publishing
- C51c: Orientation to various career paths
- C51d: Supervising people
- C51e: Project management
- C51f: Teaching
- C51g: Intellectual property
- C51h: Research ethics
- C51i: Other training workshops or training courses *(Please specify)*

1=Yes  
0=No

Administered to: All ECDs eligible for the iteration

-----

C52: [Does/Did] your organization have... *(Select one response per row)*

- C52a: A postdoctoral association?
- C52b: A postdoctoral office?
- C52c: A postdoctoral related agreement (i.e., a "Compact" or "Memorandum of Understanding")?

1=Yes  
0=No  
97=Don't know

Administered to: ECDs eligible for the iteration who are reporting on a position that either they or their organization considers a postdoc

-----

TRANSITION\_TEXT: Now, we ask you to evaluate this position.

Administered to: All ECDs eligible for the iteration

-----

C53: How much [does/did] this position meet your expectations in the following areas? *(Select one response per row)*

- C53a: Increase in subject matter knowledge
- C53b: Conduct your own independent research
- C53c: Publish papers
- C53d: Present papers at professional conferences
- C53e: Teach
- C53f: Gain supervisory experience
- C53g: Write grant proposals
- C53h: Grant submissions under your name
- C53i: Gain experience in an interdisciplinary research environment
- C53j: Network with colleagues
- C53k: Develop marketable products or technologies

1=Less than expected  
2=As expected  
3=More than expected  
4=No expectations  
5=Not applicable

Administered to: All ECDs eligible for the iteration

-----

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C54: How satisfied [are/were] you with this position? Would you say...

- 1=Very dissatisfied
- 2=Dissatisfied
- 3=Neither dissatisfied nor satisfied
- 4=Satisfied
- 5=Very satisfied

Administered to: All ECDs eligible for the iteration

-----

C55: What was the **primary** reason you left this position?

- 1=Term-limited position ended
- 2=Promoted
- 3=Accepted a better position
- 4=Pay
- 5=Working conditions (e.g., hours, equipment, and working environment)
- 6=Change in professional interests
- 7=Family-related reasons (e.g., children, spouse's or partner's job location)
- 8=Geographic location of position
- 9=Position was terminated
- 10=Funding not renewed
- 11=Other (*Please specify*)

Administered to: ECDs eligible for the iteration who are no longer working in the position being reported on

-----

C56: Are you currently working for pay or profit? *Working includes being self-employed, on a postdoctoral appointment, or on any type of paid or unpaid leave, including vacation.*

- 1=Yes
- 0=No

Administered to: ECDs eligible for iteration 1 who are no longer working in their first full-time paid position

-----

C57: What are your reasons for not currently working for pay? (*Select one response per row*)

- C57a: In school full-time
- C57b: In school part-time
- C57c: Family responsibilities - child care
- C57d: Family responsibilities - other
- C57e: Chronic illness or permanent disability
- C57f: Suitable position not available
- C57g: Do not need or want to work
- C57h: On layoff from a position
- C57i: Retired
- C57j: Other (*Please specify*)

- 1=Yes
- 0=No

Administered to: ECDs who are not currently working for pay

-----

C58: Do you currently hold an unpaid or volunteer position?

- 1=Yes
- 0=No

Administered to: ECDs who are not currently working for pay and have held an unpaid position

**INFORMATION ONLY – DO NOT USE TO REPORT**

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**SECTION D: WORK-LIFE BALANCE**  
-----

D\_TEXT: Now we have some questions about your work-life balance.

Administered to: All ECDs  
-----

D1: You indicated that your [doctorate/doctorate-equivalent] degree was awarded in [degree month] [degree year] and you started your first full-time paid position in [start month] [start year]. What were you doing between those dates? *(Select one response per row)*

D1a: Working in a part-time paid position

D1b: Working in an unpaid position either full-time or part-time

D1c: Not working

D1d: Other *(Please specify)*

1=Yes

0=No

Administered to: ECDs who started their first full-time paid position more than a year after their highest degree was awarded  
-----

D2: [Since you completed your [doctorate/doctorate-equivalent] degree in [field] from [institution]/Since you started your first full-time paid position], have you ever taken time off from work for six months or more?

1=Yes

0=No

Administered to: ECDs who received their highest degree in 2004 through 2013  
-----

D3: Why did you take time off? *(Select one response per row)*

D3a: For health reasons

D3b: To start a family or have more children

D3c: To care for a sick family member

D3d: To write papers from your dissertation for publication

D3e: To travel

D3f: For additional education

D3g: You could not find employment

D3h: For some other reason *(Please specify)*

1=Yes

0=No

Administered to: ECDs who have taken off 6 months or more since receiving their highest degree or starting their first full-time paid position  
-----

D4: How many months did you take off?

Administered to: ECDs who have taken off 6 months or more since receiving their highest degree  
-----

D5: Would you say that your [current/most recent] position [is/was]...

1=Not stressful at all

2=Somewhat stressful

3=Very stressful

4=Extremely stressful

Administered to: ECDs who have worked since earning their highest degree

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D6: Please indicate how much you agree or disagree with the following statements about balancing your [current] professional and personal responsibilities [when you were most recently employed].

*(Select one response per row)*

- D6a: You [can/could] manage the demands of your position and at home.
- D6b: Demands at home [limit/limited] your professional activities (e.g., going to conferences).
- D6c: Your work schedule [allows/allowed] you to maintain the overall quality of life you want.
- D6d: Your work schedule [provides/provided] the flexibility to take care of demands at home.
- D6e: Your supervisor [understands/understood] when demands at home [interfere/interfered] with your professional responsibilities.
- D6f: Demands at home [have] slowed down progress on your professional activities.

1=Strongly disagree

2=Disagree

3=Agree

4=Strongly Agree

Administered to: ECDs who have worked since earning their highest degree

-----  
**SECTION E: CAREER DEVELOPMENT AND PLANS**  
-----

E\_TEXT: Now we would like you to think about your career development and future career plans.

Administered to: All ECDs

-----  
E1: How important [are/were] the following knowledge, attributes, and behaviors to meeting your supervisor's expectations in your [current/most recent] position?

*(Select one response per row)*

- E1a: Applying research methodologies, tools and techniques appropriately
- E1b: Developing new ideas, processes or products which are rooted in research
- E1c: Critically analyzing and evaluating findings and results
- E1d: Demonstrating a theoretical and practical understanding of your subject area and its wider research context
- E1e: Working constructively with colleagues, acknowledging their contribution
- E1f: Influencing others, providing direction and encouraging their contribution
- E1g: Communicating ideas clearly and persuasively in writing such as in journal articles, grant proposals, or reports
- E1h: Communicating ideas clearly and persuasively when speaking to others one-on-one or in small groups
- E1i: Communicating ideas clearly and persuasively when speaking before audiences such as in presentations or lectures
- E1j: Effectively planning, managing and delivering projects on time

1=Not important

2=Slightly important

3=Moderately important

4=Very Important

5=Extremely important

Administered to: ECDs who have worked since receiving their highest degree

**INFORMATION ONLY – DO NOT USE TO REPORT**

- 
- E2: To what extent do you agree or disagree with the following statements? *(Select one response per row)*
- E2a: You were well prepared for your first position after completing your [doctorate/ doctorate-equivalent] degree.
  - E2b: Your [doctorate/ doctorate-equivalent] degree enabled you to make progress towards your career aspirations.
  - E2c: Your [doctorate/ doctorate-equivalent] degree enabled you to get a position in your chosen career track within 6 months after you completed your degree.
  - E2d: When you completed your [doctorate/doctorate-equivalent] degree, it was clear to you what career opportunities you could aspire to.
  - E2e: Your [doctorate/ doctorate-equivalent] degree enabled you to make a positive contribution at your workplace.
  - E2f: If you could start all over again, you would get a [doctorate/doctorate-equivalent] degree in your field.
  - E2g: Your [doctorate/doctorate-equivalent] degree enabled you to be innovative in your work.
  - E2h: In terms of your work, the transition to your first position after your [doctorate/doctorate-equivalent] degree was difficult.
  - E2i: Having a [doctorate/doctorate-equivalent] degree was required by or important to your [current/most recent] supervisor.
  - E2j: You are still using the subject knowledge or methods of your [doctorate/doctorate-equivalent] research.
  - E2k: Having a [doctorate/doctorate-equivalent] degree made a positive difference in your career path.
- 1=Strongly Disagree  
2=Disagree  
3=Agree  
4=Strongly Agree  
5=Too early to know

Administered to: All ECDs

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- E3: Do you have a mentor?
- 1=Yes
  - 0=No

Administered to: All ECDs

-----

- E4: Do you consider any of the following people to be your mentor? *(Select one response per row)*
- E4a: Your current supervisor
  - E4b: A previous supervisor
  - E4c: A senior colleague from your current position
  - E4d: A senior colleague from a previous position
  - E4e: Other colleagues
  - E4f: Your [doctorate/doctorate-equivalent] degree advisor
  - E4g: Other *(Please specify)*
- 1=Yes  
0=No

Administered to: ECDs who have a mentor

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-----  
E5: Whom do you primarily rely on for career development advice?

- 1=Your current supervisor
- 2=A previous supervisor
- 3=A senior colleague from your current position
- 4=A senior colleague from a previous position
- 5=Other colleagues
- 6=Your [doctorate/doctorate-equivalent degree] advisor
- 7=Other (*Please specify*)
- 8=No one

Administered to: All ECDs  
-----

E6: Which of the following types of positions will you look for next?

*(Select one response per row)*

- E6a: Permanent position
  - E6b: Postdoc
  - E6c: Temporary position other than a postdoc
- 1=Yes  
0=No

Administered to: ECDs who currently are working in a position that either they or their organization considers a postdoc  
-----

E7: Thinking about the next 10 years, where do you plan to pursue your career? Would you say...

- 1=In the U.S.
- 2=Abroad
- 3=Both in the U.S. and abroad

Administered to: All ECDs  
-----

E8: **At the time you completed your [doctorate/doctorate-equivalent] degree**, which one type of organization were you most interested in working in for the first 10 years?

- 1= Educational institution, public or private
- 2= including university-affiliated research institutes, hospitals, and medical centers
- 2=Government including military and intergovernmental organizations (e.g., United Nations)
- 3=Federally Funded Research and Development Center (FFRDC)
- 4=Hospital, medical care facility, or community health system not affiliated with a university
- 5=For-profit business other than an educational or medical organization
- 6=Non-profit organization or foundation other than an educational or medical organization
- 7=Self-employment
- 8=Other (*Please specify*)
- 9=Undecided

Administered to: All ECDs

**INFORMATION ONLY – DO NOT USE TO REPORT**

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E9: What type of organizations were you interested in working in for the first 10 years? *(Select one response per row)*

- E9a: Educational institution, public or private, including university-affiliated research institutes, hospitals, and medical centers
- E9b: Government including military and intergovernmental organizations (e.g., United Nations)
- E9c: Federally Funded Research and Development Center (FFRDC)
- E9d: Hospital, medical care facility, or community health system not affiliated with a university
- E9e: For-profit business other than an educational or medical organization
- E9f: Non-profit organization or foundation other than an educational or medical organization
- E9g: Self-employment
- E9h: Other *(Please specify)*

1=Yes

0=No

Administered to: ECDs who were undecided on the type of organization they were most interested in working for

-----

E10: **Currently**, which one type of organization are you most interested in working in for the next 10 years?

- 1= Educational institution, public or private, including university-affiliated research institutes, hospitals, and medical centers
- 2=Government including military and intergovernmental organizations (e.g., United Nations)
- 3=Federally Funded Research and Development Center (FFRDC)
- 4=Hospital, medical care facility, or community health system not affiliated with a university
- 5=For-profit business other than an educational or medical organization
- 6=Non-profit organization or foundation other than an educational or medical organization
- 7=Self-employment
- 8=Other *(Please specify)*
- 9=Undecided

Administered to: All ECDs

-----

E11: What type of organizations are you interested in working in for the next 10 years? *(Select one response per row)*

- E11a: Educational institution, public or private, including university-affiliated research institutes, hospitals, and medical centers
- E11b: Government including military and intergovernmental organizations (e.g., United Nations)
- E11c: Federally Funded Research and Development Center (FFRDC)
- E11d: Hospital, medical care facility, or community health system not affiliated with a university
- E11e: For-profit business other than an educational or medical organization
- E11f: Non-profit organization or foundation other than an educational or medical organization
- E11g: Self-employment
- E11h: Other *(Please specify)*

1=Yes

0=No

Administered to: ECDs who are undecided on the type of organization they are most interested in working for

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E12: **At the time you completed your [doctorate/doctorate-equivalent] degree**, which one career track were you most interested in pursuing for the first 10 years?

- 1=Tenured or tenure-track faculty position with an emphasis on teaching
- 2=Tenured or tenure-track faculty position with an emphasis on research
- 3=Clinical-track faculty position with an emphasis on teaching
- 4=Clinical-track faculty position with an emphasis on research
- 5=Other non-tenure track faculty position with an emphasis on teaching
- 6=Other non-tenure track faculty position with an emphasis on research
- 7=[Other teaching/Teaching] position
- 8=[Other research/Research] position
- 9=[Other clinical/Clinical] position
- 10=Administrative position
- 11=Independent consultant or business owner
- 12=Other (*Please specify*)
- 13=Undecided

Administered to: All ECDs

-----  
E13: Which career tracks were you interested in pursuing for the first 10 years? (*Select one response per row*)

- E13a: Tenured or tenure-track faculty position with an emphasis on teaching
- E13b: Tenured or tenure-track faculty position with an emphasis on research
- E13c: Clinical-track faculty position with an emphasis on teaching
- E13d: Clinical-track faculty position with an emphasis on research
- E13e: Other non-tenure track faculty position with an emphasis on teaching
- E13f: Other non-tenure track faculty position with an emphasis on research
- E13g: [Other teaching/Teaching] position
- E13h: [Other research/Research] position
- E13i: [Other clinical/Clinical] position
- E13j: Administrative position
- E13k: Independent consultant or business owner
- E13l: Other (*Please specify*)

- 1=Yes
- 0=No

Administered to: ECDs who were undecided on the career track they were most interested in

-----  
E14: **Currently**, which one career track are you most interested in pursuing for the next 10 years?

- 1=Tenured or tenure-track faculty position with an emphasis on teaching
- 2=Tenured or tenure-track faculty position with an emphasis on research
- 3=Clinical-track faculty position with an emphasis on teaching
- 4=Clinical-track faculty position with an emphasis on research
- 5=Other non-tenure track faculty position with an emphasis on teaching
- 6=Other non-tenure track faculty position with an emphasis on research
- 7=[Other teaching/Teaching] position
- 8=[Other research/Research] position
- 9=[Other clinical/Clinical] position
- 10=Administrative position
- 11=Independent consultant or business owner
- 12=Other (*Please specify*)
- 13=Undecided

Administered to: All ECDs

INFORMATION ONLY – DO NOT USE TO REPORT

-----  
E15: Which career tracks are you interested in pursuing for the next 10 years?

*(Select one response per row)*

- E15a: Tenured or tenure-track faculty position with an emphasis on teaching
- E15b: Tenured or tenure-track faculty position with an emphasis on research
- E15c: Clinical-track faculty position with an emphasis on teaching
- E15d: Clinical-track faculty position with an emphasis on research
- E15e: Other non-tenure track faculty position with an emphasis on teaching
- E15f: Other non-tenure track faculty position with an emphasis on research
- E15g: [Other teaching/Teaching] position
- E15h: [Other research/Research] position
- E15i: [Other clinical/Clinical] position
- E15j: Administrative position
- E15k: Independent consultant or business owner
- E15l: Other *(Please specify)*

1=Yes  
0=No

Administered to: ECDs who are undecided on the career track they are most interested in

-----  
E16: What is your primary reason for this choice?

- 1=Work environment
- 2=Work hours/schedule
- 3=Your interests
- 4=Salary
- 5=Benefits
- 6=Job security
- 7=Opportunity to make a positive contribution
- 8=Opportunity for leadership
- 9=Autonomy
- 10=Other *(Please specify)*

Administered to: ECDs who are most interested in the same career track as they were when they completed their highest degree OR were undecided when they completed their highest degree and now have one career track they are most interested in

-----  
E17: What is the primary reason for the change in your career track interests since completing your [doctorate/doctorate-equivalent degree]?

Administered to: ECDs who are most interested in a different career track than they were when they completed their highest degree

-----  
E18: How well do you feel your [current/most recent] position [prepares/prepared] you for your desired career?

- 1=Not well at all
- 2=Somewhat well
- 3=Very well
- 4=You are already in your desired career

Administered to: ECDs who have worked since receiving their highest degree

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**SECTION F: DEMOGRAPHICS**  
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F\_TEXT: Now some questions about your background.

Administered to: All respondents (including ineligible)

-----  
F1: What is your sex?

- 1=Male
- 2=Female

Administered to: All respondents (including ineligible)

-----  
F2: In what year were you born?

1935–1995

Administered to: All respondents (including ineligible)

-----  
F3: Are you of Hispanic, Latino, or Spanish origin?

- 1=No, not of Hispanic, Latino, or Spanish origin
- 2=Yes, Mexican, Mexican American, Chicano
- 3=Yes, Puerto Rican
- 4=Yes, Cuban
- 5=Yes, South American
- 6=Yes, another Hispanic, Latino, or Spanish origin (*Please specify*)

Administered to: All respondents (including ineligible)

-----  
F4: What is your race? (*Select all that apply*)

- F5a: White
  - F5b: Black or African American
  - F5c: Asian
  - F5d: Native Hawaiian or other Pacific Islander
  - F5e: American Indian or Alaska Native
- 1=Yes  
0=No

Administered to: All respondents (including ineligible)

-----  
F5: Is English your first language?

- 1=Yes
- 0=No

Administered to: All respondents (including ineligible)

-----  
F6: Are you a citizen of the United States?

- 1=Yes
- 0=No

Administered to: All respondents (including ineligible)

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F7: Are you a U.S. citizen...  
1=born in the United States  
2=born in Puerto Rico, Guam, the U.S. Virgin Islands, or Northern Marianas  
3=born abroad of American parent or parents  
4=by naturalization

Administered to: U.S. citizens (including ineligibles)

-----

F8: Have you ever served on active duty in the U.S. Armed Forces, military Reserves, or National Guard?  
1=Yes  
0=No

Administered to: All ECDs

-----

F9: Are you a non-U.S. citizen...  
1=With a permanent resident visa (green card)  
2=With a temporary non-resident or non-immigrant visa?

Administered to: ECDs who are not U.S. citizens

-----

F10: What type of visa do you have?  
1=H-1B or other H series temporary visa  
2=F-1 or other F series temporary visa  
3=J-1 or other J series temporary visa  
4=TN (Trade NAFTA) temporary visa  
5=Other type of temporary visa (*Please specify*)

Administered to: ECDs who have a temporary visa

-----

F11: Of which country do you hold citizenship?

Administered to: ECDs who are not U.S. citizens

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F12: In what year did you come to the United States for the first time to stay for a period of 6 months or more?  
1995–2014

Administered to: ECDs who are not U.S. citizens or are U.S. citizens by naturalization

-----

F13: How many years in total have you lived in the U.S.? *If you have moved back and forth between the United States and other countries, only count periods of time living in the United States.*

Administered to: ECDs who are not U.S. citizens or are U.S. citizens by naturalization

INFORMATION ONLY – DO NOT USE TO REPORT

-----  
F14: Which of the following factors influenced your decision to come to the United States?

*(Select one response per row)*

- F14a: Career opportunity
- F14b: Educational opportunity
- F14c: General economic conditions
- F14d: Political reasons
- F14e: Family-related reasons
- F14f: Overall quality of life
- F14g: Other *(Please specify)*

- 1=Influenced
- 2=Did Not Influence

Administered to: ECDs who are not U.S. citizens  
-----

F15: Before arriving in the United States for the first time, did you plan to leave the United States eventually?

- 1=Yes
- 0=No
- 97=Don't know

Administered to: ECDs who are not U.S. citizens  
-----

F16: Were you already in the United States on a visa before applying for your [current/most recent] position?

- 1=Yes
- 0=No

Administered to: ECDs who are not U.S. citizens and have worked since receiving their highest degree  
-----

F17: Now do you plan to leave the United States when your current position ends?

- 1=Yes
- 0=No
- 97=Don't know

Administered to: ECDs who are not U.S. citizens and are currently employed  
-----

F18: Now do you plan to leave the United States within the next 10 years?

- 1=Yes
- 0=No
- 97=Don't know

Administered to: ECDs who are not U.S. citizens and do not plan to return to their home country when their current position ends or are currently unemployed

INFORMATION ONLY – DO NOT USE TO REPORT

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F19: Did each of the following factors have an influence on your decision to leave the United States?

*(Select one response per row)*

- F19a: Career opportunity
- F19b: Educational opportunity
- F19c: General economic conditions
- F19d: Political reasons
- F19e: Family-related reasons
- F19f: Overall quality of life
- F19g: Residence permit or visa issues
- F19h: Other factor *(Please specify)*

1=Influenced

2=Did Not Influence

Administered to: ECDs who are not U.S. citizen and plan to return to their home country either when their current position ends or within the next 10 years

-----  
F20: Did each of the following factors have an influence on your decision to stay in the United States?

*(Select one response per row)*

- F20a: Career opportunity
- F20b: Educational opportunity
- F20c: General economic conditions
- F20d: Political reasons
- F20e: Family-related reasons
- F20f: Overall quality of life
- F20g: Other *(Please specify)*

1=Influenced

2=Did Not Influence

Administered to: ECDs who are not U.S. citizens and do not plan to return to their home country when their current position ends or within the next 10 years

-----  
F21: What is your current marital status?

1=Married

2=Living in a marriage-like relationship

3=Never married

4=Widowed

5=Separated

6=Divorced

Administered to: All ECDs

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F22: Does your [spouse/ partner] currently have a paid position?

1=Yes

0=No

Administered to: ECDs who have a spouse or partner

**INFORMATION ONLY – DO NOT USE TO REPORT**

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F23: Do you have any dependents?

1=Yes

0=No

Administered to: All ECDs  
-----

F24: How many dependents do you have in each of the following age groups?

F24a: Number of dependents aged 5 years or younger

F24b: Number of dependents aged 6 to 18 years

F24c: Number of dependents aged 19 to 25 years

F24d: Number of dependents over age 25 years

Administered to: ECDs who have dependents  
-----

F25: 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...

*(Select one response per row)*

F25a: Seeing words or letters in ordinary newsprint (with glasses/contact lenses, if you usually wear them)?

F25b: Hearing what is normally said in conversation with another person (with hearing aid, if you usually wear one)?

F25c: Walking or using stairs without human or mechanical assistance?

F25d: Lifting or carrying something as heavy as 10 pounds, such as a bag of groceries?

F25e: Concentrating, remembering, or making decisions because of a physical, mental, or emotional condition?

1=None

2=Slight

3=Moderate

4=Severe

5=Unable to do

Administered to: All ECDs  
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F26: What is the earliest age at which you first began experiencing any difficulties in any of these areas?

Administered to: ECDs who have a functional limitation  
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F27: What is the highest level of education completed by your father (stepfather or male guardian)?

1=Less than high school diploma

2=High school diploma or equivalent

3=Some college, vocational, or trade school

4=Associate degree (e.g., AA, AS, AAS)

5=Undergraduate degree (e.g., BS, BA, AB)

6=Master's degree (e.g., MS, MA, MPH)

7=Professional (e.g., MD, DO, DDS, DVM, etc.) or doctorate degree (e.g., PhD, EdD, DSc, Candidates of science, etc.)

8=Other degree *(Please specify)*

97=Don't know

Administered to: All ECDs

**INFORMATION ONLY – DO NOT USE TO REPORT**

- 
- F28: What is the highest level of education completed by your **mother** (stepmother or female guardian)?
- 1=Less than high school diploma
  - 2=High school diploma or equivalent
  - 3=Some college, vocational, or trade school
  - 4=Associate degree (e.g., AA, AS, AAS)
  - 5=Undergraduate degree (e.g., BS, BA, AB)
  - 6=Master's degree (e.g., MS, MA, MPH)
  - 7=Professional (e.g., MD, DO, DDS, DVM, etc.) or doctorate degree (e.g., PhD, EdD, DSc, Candidates of science, etc.)
  - 8=Other degree (*Please specify*)
  - 97=Don't know

Administered to: All ECDs

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**SECTION G: RECONTACT INFORMATION**

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G\_TEXT: The final questions ask for your contact information. NSF may need to clarify your responses or ask additional questions over time.

- 
- G1: Please provide phone numbers and email addresses where you can be reached.
- G1a: Primary telephone number:
  - G1b: Alternative telephone number:
  - G1c: Primary email:
  - G1d: Alternative email:

Administered to: All ECDs

- 
- G2: Please specify which of these is your preferred contact.
- 1=Primary telephone number
  - 2=Alternative telephone number
  - 3=Primary email
  - 4=Alternative email

Administered to: All ECDs

INFORMATION ONLY – DO NOT USE TO REPORT

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G3: NSF is interested in how education and employment change over time. Therefore, NSF may want to recontact you. Please provide the name and contact information for two people who are likely to know where you can be reached. *Do not include anyone who lives in your household.*

G3a1: First Name  
G3b1: Last Name  
G3c1: Telephone  
G3d1: Email  
G3e1: Street  
G3f1: Zip Code  
G3g1: City  
G3h1: State  
G3i1: Foreign Address  
G3j1: Foreign City  
G3k1: Foreign State/Province  
G3l1: Foreign Country  
G3m1: Foreign Zip/Postal Code  
G3n1: (Check here if this person has an international address.)

1=Yes  
0=No

G3a2: First Name  
G3b2: Last Name  
G3c2: Telephone  
G3d2: Email  
G3e2: Street  
G3f2: Zip Code  
G3g2: City  
G3h2: State  
G3i2: Foreign Address  
G3j2: Foreign City  
G3k2: Foreign State/Province  
G3l2: Foreign Country  
G3m2: Foreign Zip/Postal Code  
G3n2: (Check here if this person has an international address.)

1=Yes  
0=No

Administered to: All ECDs

-----

G4: How do you prefer to participate in research surveys?

1=On a personal computer or laptop  
2=On a tablet  
3=Telephone  
4=Mail  
5=In-Person

Administered to: All ECDs

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G5: Please provide any additional details about your career experiences that you want to share with NSF.

Administered to: All respondents (including ineligibles)