

Attachment B: DIS Pilot Study Independent Interviewing (INDI) Questionnaire

Background

This document includes the Survey of Doctorate Recipients (SDR) DIS Pilot Study web instrument information for the independent interviewing (INDI) approach in which the respondent is asked about the current reference period without acknowledgement of how they have answered the question in prior cycles.

Questionnaire Section	Uses DI approach (shows prefill info)	Existing item?	Reason for inclusion in the DIS Pilot Study
V1	Yes (as used in SDR)	Yes	Sample person verification
V1a	Yes (as used in SDR)	Yes	Sample person verification
V2a	Yes (as used in SDR)	Yes	Sample person verification
V2a1	Yes (as used in SDR)	Yes	Sample person verification
V2b	Yes (as used in SDR)	Yes	Sample person verification
V2b1	Yes (as used in SDR)	Yes	Sample person verification
V2c	Yes (as used in SDR)	Yes	Sample person verification
V2c1	Yes (as used in SDR)	Yes	Sample person verification
V4	No	Yes	
SDR Item: A1	No	Yes	Collects working status; determines routing for subsequent questions
SDR Item: When Leave – New	No	New for DIS Pilot Study	Determines when the employer change occurred and is input for calculating time in each employment state
SDR Item: A2	No	Yes	Establishes if those not working are still in labor force
SDR Item: A3	No	Modified	Modified response category in INDI version to capture impact of COVID on reasons for not working
SDR Item: A4	No	Yes	Identifies employment duration
SDR Item: A5	No	Yes	Needed for occupational coding of last job
SDR Item: A6	No	Yes	Needed for occupational coding of last job
SDR Item: A8	No	Yes	Identifies retirees who return to work

SDR Item: A8YY	No	Yes	Identifies date retirees return to work, when applicable
SDR Item: A9	No	Yes	Used for occupational coding
SDR Item: A10	No	Yes	Used for occupational coding
SDR Item: A11	No	Yes	Used for occupational coding
SDR Item: A12	No	Yes	Used for occupational coding
SDR Item: A14	No	Yes	Used for occupational coding
SDR Item: A15	No	Yes	
SDR Item: A16	No	Modified	Modified other specify response category in INDI version to explicitly show a category of “Not in an academic position” which SDR previously only offered in CATI; used for occupational coding
SDR Item: A17	No	Yes	Used for occupational coding
SDR Item: A18	No	Yes	Used for occupational coding
SDR Item: A19	No	Yes	Used for occupational coding
SDR Item: A20	No	Yes	Used for occupational coding
SDR Item: A26	No	Yes	Identifies employment duration; used for occupational coding
SDR Item: A30	No	Yes	Used for occupational coding
SDR Item: A31a/b	No	Yes	used for occupational coding
SDR Item: A32	No	Yes	Used for occupational coding
SDR Item: A33	No	Yes	Used for occupational coding
SDR Item: A34	No	Yes	
SDR Item: A35	No	Yes	
SDR Item: A36	No	Yes	Used for occupational coding
SDR Item: SALDOLLAR	No	Yes	Used for occupational coding
SDR Item: A36b	No	Yes	Used for occupational coding

SDR Item: A36e	No	New for DIS Pilot Study	Captures impact of coronavirus on salary
SDR Item: A36f	No	New for DIS Pilot Study	Captures impact of coronavirus on salary
SDR Item: A37	No	Yes	Used for occupational coding
SDR Item: A38	No	Yes	Used for occupational coding
SDR Item: B1	No	Yes	Used for occupational coding
SDR Item: B2	No	Yes	Used for occupational coding
SDR Item: B3	No	Modified	Modified response category in INDI version to capture impact of COVID on reasons changing employer/job
SDR Item: E1	No	Yes	Demographic variable
SDR Item: E7	No	Yes	Demographic variable

Introduction

Thank you for participating in this special study to support the **Survey of Doctorate Recipients (SDR)**, which is sponsored by the National Center for Science & Engineering Statistics (NCSES), a statistical agency within the National Science Foundation (NSF) and the National Institutes of Health (NIH).

Our records show that in 201x, you completed the SDR. This study is a follow-up to the 201x SDR to test different ways of asking questions about employment experience so that future cycles of SDR can reduce the burden on survey participants. Your participation is greatly appreciated.

Survey Information

Assurance of Confidentiality

- The information collected in the Survey of Doctorate Recipients (SDR) questionnaire 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.
- These laws require that the survey sponsors (National Center for Science and Engineering Statistics within the National Science Foundation, and National Institutes of Health) treat all information you provide as confidential. The information you provide will be used only for research and statistical purposes by the survey sponsors, their contractors, and collaborating researchers for the purpose of analyzing data and preparing scientific reports and articles. Any information publicly released (such as statistical summaries) will be in a form that does not personally identify you.
- 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 responses you provide today are being collected with software that is designed to secure your data and provide you with confidentiality. However, please be apprised that all Internet-

based communication is subject to the remote likelihood of tampering from an outside source.

OMB Control Number: xxxx-xxxx

- OMB approval for this study expires on xx/xx/xxxx.
- An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB Control Number.

Participation Information

- The average time to complete this survey is about 15 minutes. Actual time may vary depending on your circumstances.
- Your response is voluntary and failure to provide some or all of the requested information will not in any way adversely affect you.
- If you have questions about the SDR study, please refer to our Frequently Asked Questions. If you have any further questions, please contact Westat toll-free within the U.S. at 1-855-460-5324, or 301-637-8195 outside of the U.S. You can also send an email to sdr@westat.com.

Thank you for participating in the SDR!

Instructions

Navigation Instructions

- Move forward or backward one question at a time by clicking on the Next or Previous buttons. (DO NOT use your browser's Back or Forward buttons.)

Suspending the Survey

- If you need to exit the survey prior to completion, please click on the Save & Continue Later button at the bottom of any screen. All responses that you have provided to that point are securely stored, and you can resume the survey at your convenience.
- In order to resume your survey, you will need your PIN.
- If you exit the survey another way, for example by closing the browser window without clicking the Save & Continue Later button, all responses that you provided to that point are saved.

Sample Person Verification

V1 – current

Please answer these first few questions to help us verify that our records are correct.

Our records show that your name is:

{PERSPRFX} {PERSNAMF} {PERSMID} {PERSNAML} {PERSSUFFIX}

Is this correct?

Yes
No

V1a – current

(IF NO) Please edit the information below as appropriate.

Title: {PERSPRFX}
First Name: {PERSNAMF}
Middle Name: {PERSMID}
Last Name: {PERSNAML}
Suffix: {PERSSUFX}

V2a – current

Our records show that you received your doctorate from {PHDINSTNM}.

Is this correct?

Yes
No

V2a1 – current

(IF NO) From which institution did you receive your doctorate?

Ph.D. INSTITUTION: _____
INSTITUTION CITY: _____
INSTITUTION STATE: _ [DROPDOWN LIST OF STATES] _

V2b – current

Our records show that you received your doctorate in the field of {PHDFIELDV}.

{You have also described your field as {FIELDFIX_LAST}.}

Is this correct?

Yes
No

V2b1 – current

(IF NO) What is the field in which you earned your doctorate?

V2c – current

Our records show that you received your doctorate in {PHDCY}.

Is this correct?

Yes
No

V2c1 – current

(IF NO) In what month and year was your doctorate awarded to you?

MONTH: _ [DROPDOWN LIST OF MONTHS] _

YEAR: _____ (YYYY)

V4 – current

On **{REFERENCE DATE}**, were you living in the...

United States or Puerto Rico

Another U.S. territory

Another country

SKIP BOX 1

Update DOC_CODE based on answers to v2a/inst_chk, v2b/fieldchk, and v2c/date_chk, where each match adds '1' to the value of the variable

AT LEAST 2 OF 3 Ph.D. PRELOADS MATCH (DOC_CODE=2 or 3), then go to SDR A1.

Else, go to FINAL SCREEN (after RAS)

Survey Items

SDR A1 - current

Were you working for pay or profit during the week of **{REFERENCE DATE}**? *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 SKIP TO SDR A8

No GO TO WHEN LEAVE

Variable: WRKG

[SOFT ERROR MESSAGE: If no response given, display error message “It is very important that we get an answer to this question.

This information is used to determine the size of the doctoral workforce. Please answer to the best of your ability.”

If no response given, go to SDR CLOSE1.]

SDR CLOSE1 - Modified

This is one of the few questions that are critical to this survey, and we cannot continue with questions about your current employment without your answer to this question. Would you please reconsider and answer the question as best as you can?

Click "Previous" to return to the question and provide an answer.

Click "Next" to continue.
Previous – go to SDR A1
Next – go to RAS section

When Leave - New

When did you leave [{EMNAME_LAST}/{EMDEPT_LAST}/your {PRIOR CYCLE YEAR} employer]?
MM/YYYY

SDR A2 - current

Did you look for work during the four weeks preceding {REFERENCE DATE}? This would be between {REFERENCE MONTH/DAY MINUS 28 days} and {REFERENCE MONTH/DAY}.

Yes
No

[SOFT ERROR MESSAGE: If no response given, display error message “It is critical that we get an answer to this question. NSF uses this information to determine the unemployment rate of the doctoral population. Please answer as best as you can.”

If no response given, go to SDR CLOSE2.]

SDR CLOSE2 - Modified

This is one of the few questions that are critical to this survey, and we cannot continue with questions about your current employment without your answer to this question. Would you please reconsider and answer the question as best as you can?

Click "Previous" to return to the question and provide an answer.

Click "Next" to continue.
Previous – go to SDR A2
Next – go to RAS section

SDR A3 - current

What were your reasons for not working during the week of {REFERENCE DATE}?

Select Yes or No for each item.

- A3_1 Retired
- A3_2 On layoff from a job due to the coronavirus pandemic
- A3_3 On layoff from a job for reasons unrelated to the coronavirus pandemic
- A3_4 Student
- A3_5 Family responsibilities (e.g., childcare, eldercare), due to the coronavirus pandemic
- A3_6 Family responsibilities, for reasons unrelated to the coronavirus pandemic
- A3_7 Chronic illness or permanent disability
- A3_8 Suitable job not available
- A3_9 Did not need or want to work

A3_10 Other reason (specify)

SDR A4 - current

Prior to the week of {REFERENCE DATE}, when did you last work for pay or profit?
MM/YYYY

SDR A5 - current

What was the title of the last job you held prior to the week of {REFERENCE DATE}?
Example: Physics professor

[Call the autocoding occupation dictionary and compare job title (A5) to list.
If there is a match, set job code to the autocode value and go to SDR A6 - current.
If there is no match, go to occupation coding module, then go to SDR A6 - current.]

SDR A6 - current

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.

[SOFT ERROR MESSAGE: If no response given, display error message “It is critical that we get an answer to this question. This information is used to determine the types of jobs held by the doctoral population and to study employment patterns. Please answer to the best of your ability.”

If no response given at A5, A6 and no job code, go to SDR CLOSE3. Else, go to E1.]

SDR CLOSE3 - Modified

This is one of the few questions that are critical to this survey, and we cannot continue with questions about your current employment without your answer to this question. Would you please reconsider and answer the question as best as you can?

Click "Previous" to return to the question and provide an answer.

Click "Next" to continue.
Previous – go to SDR A6
Next – go to RAS section

SDR A8 - current

Although you were working during the week of {REFERENCE DATE}, had you previously retired from any position?
Examples of retirement include mandatory retirement, early retirement, or voluntary retirement.

Yes – go to Year Retired
No – go to SDR A9

SDR A8YY - current

In what year did you previously retire?

YEAR: _____ (YYYY)

INTRO1

The following questions ask about your principal employer during the week of [REFERENCE DATE].

SDR A9 - current

Who was your principal employer during the week of {REFERENCE DATE}?

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 or Division:

City/Town:

State:

Or {Country}:

ZIP/Postal Code:

SDR A10 – Current

Which one of the following best describes your principal employer during the week of {REFERENCE DATE}? Were you...

SELF-EMPLOYED or a BUSINESS OWNER

- 1 In a non-incorporated business, professional practice, or farm
- 2 In an incorporated business, professional practice, or farm
- PRIVATE SECTOR employee
- 3 In a for-profit company or organization
- 4 In a non-profit organization (including tax-exempt and charitable organizations)
- U.S. GOVERNMENT employee
- 5 In a local government in the U.S. (e.g., city, county, school district)
- 6 In a U.S. state government (including U.S. state colleges/universities)
- 7 In the U.S. military service, active duty or Commissioned Corps (e.g., USPHS, NOAA)
- 8 In the U.S. federal government (e.g., civilian employee)
- OTHER type of employee
- 10 In a non-U.S. government (at any level)
- 9 Other (specify)

[SOFT ERROR MESSAGE: If no response given, display error message “It is critical that we get an answer to this question. This information is a key employment characteristic of the academic doctoral population in the United States. Please answer as best as you can.”]

SDR A11 - current

What was {that employer's/your} main business or industry - that is what did {that employer/your business} make or do?

Please refer to your {principal employer/business} during the week of {REFERENCE DATE}.

If {your principal employer/you} 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

MAIN BUSINESS: _____

SDR A12 - current

Counting all locations where {this employer/your business} operates, how many people work for {your principal employer/your business}? Your best estimate is fine.

Select 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

SDR A14 - current

Was your {principal employer/business} an educational institution?

Please refer to your {principal employer/business} during the week of {REFERENCE DATE}.

Yes – Go to SDR A15

No – Go to SDR A19

[SOFT ERROR MESSAGE: If no response given, display error message “It is critical that we get an answer to this question. This information is a key employment characteristic used to determine the sectors where the doctoral population is employed. Please answer as best as you can.”]

SDR A15 - current

Was the educational institution where you worked a...

Please refer to your {principal employer/business} during the week of {REFERENCE DATE}.

Preschool, elementary, middle, or secondary school or system – Go to A19

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

SDR A16 - current

During the week of {REFERENCE DATE}, what type of academic position(s) did you hold at this institution?

Select Yes or No for each item.

A16_1 President, Provost or Chancellor (any level)

A16_2 Dean (any level), department head or department chair

A16_3 Research faculty, scientist, associate or fellow

A16_4 Teaching faculty

A16_5 Adjunct faculty

A16_6 Postdoc (e.g., postdoctoral fellow or associate)

A16_7 Research assistant

A16_8 Teaching assistant

A16_9 Other position (specify)

A16_10 I was not in an academic position (ONLY DISPLAY THIS CATEGORY IF PRIOR CYCLE WAS CATI MODE)

SDR A17 - current

What was your faculty rank?

Please refer to your faculty rank during the week of {REFERENCE DATE}.

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

[SOFT ERROR MESSAGE: If no response given, display error message “It is critical that we get an answer to this question. This information is a key employment characteristic of the academic doctoral population in the United States. Please answer as best as you can.”]

SDR A18 - current

What was your tenure status?

Please refer to your tenure status during the week of {REFERENCE DATE}.

Select one answer.

Not applicable; no tenure system at this institution

Not applicable; no tenure system for my position

Tenured

On tenure track but not tenured

Not on tenure track

[SOFT ERROR MESSAGE: If no response given, display error message “It is critical that we get an answer to this question. This information is a key employment characteristic of the academic doctoral population in the United States. Please answer as best as you can.”]

SDR A19 - current

What was the title of the principal job you held during the week of {REFERENCE DATE}?

Example: Physics professor

[Call the autocoding occupation dictionary and compare job title (A19) to list.

If there is a match, set job code to the autocode value and go to SDR A20.

If there is no match, go to occupation coding module, then go to SDR A20.]

SDR A20 - current

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 areas of specialization.

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

[SOFT ERROR MESSAGE: If no response given, display error message “It is critical that we get an answer to this question. This information is used to determine the types of jobs held by the doctoral population and to study employment patterns. Please answer to the best of your ability.”]

If no response given at A19, A20 and no job code, go to SDR CLOSE4. Else, go to A26.]

SDR CLOSE4 - Modified

This is one of the few questions that are critical to this survey, and we cannot continue with questions about your current employment without your answer to this question. Would you please reconsider and answer the question as best as you can?

Click "Previous" to return to the question and provide an answer.

Click "Next" to continue.

Previous – go to SDR A20

Next – go to RAS section

SDR A26 - current

During what month and year did you start this job (that is, the principal job you held during the week of {REFERENCE DATE})?

MM/YYYY

[SOFT ERROR MESSAGE: If no response given, display error message “It is critical that we get an answer to this question. This information is used to determine the employment changes in the doctoral population in the United States. Please answer the question as best as you can.”]

SDR A30 - current

The next question is about your work activities in 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?
Please refer to your principal job held during the week of {REFERENCE DATE}.

Select Yes or No for each item.

- A30_1 Accounting, finance, contracts
- A30_2 Basic research - study directed toward gaining scientific knowledge primarily for its own sake
- A30_3 Applied research - study directed toward gaining scientific knowledge to meet a recognized need
- A30_4 Development - using knowledge gained from research for the production of materials, devices
- A30_5 Design of equipment, processes, structures, models
- A30_6 Computer programming, systems or applications development
- A30_7 Human resources - including recruiting, personnel development, training
- A30_8 Managing or supervising people or projects
- A30_9 Production, operations, maintenance (e.g., chip production, operating lab equipment)
- A30_10 Professional services (e.g., health care, counseling, financial services, legal services)
- A30_11 Sales, purchasing, marketing, customer service, public relations
- A30_12 Quality or productivity management
- A30_13 Teaching
- A30_14 Other activity (specify)

[SOFT ERROR MESSAGE: If no response given, display error message “Your answers to these questions are important because it helps describe the kind of work you were doing.”]

SDR A31 - current

A31a: What was the activity on which you worked the most hours during a typical week on this job?
Please refer to the principal job you held during the week of {REFERENCE DATE}.

A31b: What was the activity on which you worked the second most hours during a typical week on this job?
Please refer to the principal job you held during the week of {REFERENCE DATE}.

SDR A32 - current

Did you supervise the work of others as part of the principal job you held during the week of {REFERENCE DATE}?

Select 'Yes' if you recommended or initiated personnel actions such as hiring, firing, evaluating, or promoting others.

Teachers: Do not count students.

Yes – go to SDR A33 - current

No – go to SDR A34 - current

SDR A33 - current

How many people did you typically...

Supervise directly?

Supervise indirectly through subordinate supervisors?

SDR A34 - current

Thinking about your principal job held during the week of {REFERENCE DATE}, please rate your satisfaction with that job's...

Select one answer for each item.

	Very satisfied	Somewhat satisfied	Somewhat dissatisfied	Very dissatisfied
Salary				
Benefits				
Job security				
Job location				
Opportunities for advancement				
Intellectual challenge				
Level of responsibility				
Degree of independence				
Contribution to society				

SDR A35 - current

How would you rate your overall satisfaction with the principal job you held during the week of {REFERENCE DATE}?

Very satisfied

Somewhat satisfied

Somewhat dissatisfied

Very dissatisfied

SDR A36 - current

As of the week of {REFERENCE DATE}, 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.

(Enter whole numbers only; do not enter commas.)

ANNUAL SALARY/EARNED INCOME: {\$} _____ .00

SDR SALDOLLAR - Current

In which currency did you report your salary above?

- 1 U.S. dollars
- 2 Another currency – please specify: _____

SDR A36b – current

(IF NO RESPONSE TO A36) Salary information is important data used to study employment conditions of the doctoral workforce. If you would rather give your salary in ranges, please indicate whether your basic annual salary on your principal job as of the week of {REFERENCE DATE} was...

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.

- 1 Less than \$20,000
- 2 \$20,000 - \$34,999
- 3 \$35,000 - \$49,999
- 4 \$50,000 - \$64,999
- 5 \$65,000 - \$79,999
- 6 \$80,000 - \$99,999
- 7 \$100,000 - \$119,999
- 8 \$120,000 or more

SDR A36e - new

For the principal job you held during the week of {REFERENCE DATE}, has your basic annual salary been affected at any time by the coronavirus pandemic?

Yes – go to SDR A36f

No – go to A37

SDR A36f - new

How has your basic annual salary been affected by the coronavirus pandemic?

Select Yes or No for each item.

- | | |
|--------|---|
| A36f_1 | It was decreased temporarily due to the coronavirus pandemic |
| A36f_2 | It is currently decreased due to the coronavirus pandemic |
| A36f_3 | It was increased temporarily due to the coronavirus pandemic |
| A36f_4 | It is currently increased due to the coronavirus pandemic |
| A36f_5 | It was impacted but has returned to normal |
| A36f_6 | I did not receive an expected raise due to the coronavirus pandemic |
| A36f_7 | I no longer have this job |

SDR A37 - current

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 – Number of weeks per year: ___

SDR A38 - current

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

Please refer to the principal job you held during the week of {REFERENCE DATE}.

Please round to the nearest whole hour.

NUMBER OF HOURS WORKED PER WEEK: _____

SDR B1 – Current

Were you working for pay or profit during both of these time periods - the week of February 1, {PRIOR CYCLE YEAR} and the week of {REFERENCE DATE}?

Yes – Go to SDR B2

No – Go to SDR E1

SDR B2 - current

During these two time periods – the week of February 1, 201x and the week of {REFERENCE DATE} – were you working for...

Same employer and in same type of job – Go to SDR E1

Same employer but in different type of job – Go to SDR B3

Different employer but in same type of job – Go to SDR B3

Different employer and in different type of job- Go to SDR B3

SDR B3 - current

Why did you change your {job/employer/employer and your job}?

Please refer to your employment situations during the weeks of February 1, 201x and {REFERENCE DATE}.

Select Yes or No for each item.

B3_1 Pay, promotion opportunities

B3_2 Working conditions (e.g., hours, equipment, working environment)

B3_3 Job location

B3_4 Change in career or professional interests

B3_5 Family-related reasons due to the coronavirus pandemic (e.g., childcare, eldercare)

B3_6 Family-related reasons unrelated to the coronavirus pandemic (e.g., children, spouse's job moved)

B3_7 School-related reasons (e.g., returned to school, completed a degree)

B3_8 Laid off or job terminated due to the coronavirus pandemic

B3_9 Laid off or job terminated, for reasons unrelated to the coronavirus pandemic (includes company closings, mergers, buyouts, grant or contract ended)

B3_10 Retired

B3_11 Some other reason (specify)

SDR E1 - current

On {REFERENCE DATE}, were you...

Select one answer.

Married

Living in a marriage-like relationship

Widowed

Separated

Divorced

Never married

SDR E7 - current

On {REFERENCE DATE}, were you a...

U.S. citizen

Non-U.S. citizen

Go to Response Analysis Survey.