# Memorandum

Date:	April 24, 2020
То:	Margo Schwab, Desk Officer Office of Management and Budget
From:	Emilda B. Rivers, Director National Center for Science and Engineering Statistics National Science Foundation
Via:	Suzanne Plimpton, Reports Clearance Officer National Science Foundation
Subject:	Request for approval of non-substantive changes in the 2021 Survey of Earned Doctorates (3145-0019)

The National Center for Science and Engineering Statistics (NCSES) requests approval for nonsubstantive changes to the collection of education questions in the 2021 Survey of Earned Doctorates (SED). The changes described in this memo stem from a previously approved methodological study conducted under the NCSES generic clearance (OMB No. 3145-0174, memo dated October 30, 2019) in order to improve the quality of education data collected in the SED while also reducing respondent burden. The number of respondents is not changing. The methodological study results suggest that these non-substantive changes to the collection of SED education questions may reduce burden, though NCSES is not changing the total estimated burden at this time.

# Background

The SED is an annual census survey of new recipients of research doctorates from U.S. institutions, sponsored by the National Center for Science and Engineering Statistics (NCSES) within the National Science Foundation, the National Institutes of Health, the Department of Education, and the National Endowment for the Humanities.

The SED collects educational history, education-related debt, financial support during graduate studies, information about postgraduation plans, and personal demographic information for each research doctorate recipient, primarily using the web survey mode with a small percentage of cases (approximately 2% of respondents) completing the survey by telephone.

The education section of the SED questionnaire is divided into Part A1, which collects respondents' doctorate and dissertation research fields of study, and Part A2, which collects the field of study of respondents' other postsecondary degrees. Proposed changes to the 2021 SED questions are summarized below with the justification for them in the next section.

Educational history data for research doctorate recipients is a rich and valuable source of information for federal agencies, policymakers, and researchers. However, collecting these data is a complex undertaking and requires considerable input from respondents. Innovation to reduce

response burden and improve data quality is an important goal for NCSES. For this reason, NCSES undertook a methodological study to test (1) an alternative method for collecting respondents' field of study (FOS) data and (2) different methods for collecting respondents' complete educational history data.

The testing of the FOS data involved the comparison of two methods: Conditions A and B.

- Condition A, which was the current SED method of respondents typing their field in a searchable box and selecting one field from the dropdown list based on partial match of the typed field string.
- Condition B, a newly proposed method of respondents typing their field in a text box, which was matched against the exact field strings from an auto-coding list.

The testing of the educational history involved three methods of collecting respondents' postsecondary degrees prior to earning their research doctorate: Conditions C, D, and E.

- Condition C was based on the current SED degree history questions, which asked the respondents about other postsecondary degrees they have in the following order: associate's degree, bachelor's degree, master's degree, and professional doctorate. For each degree type, the survey first asked about the number of each type of degrees earned. If the respondent had multiple degrees of same type, then information about the most recent degree and the first degree were collected.
- Condition D was similar to Condition C, except the degrees were asked in reverse chronological order.
- Condition E allowed respondents to list all postsecondary degrees they have in any order they chose and then asked follow-up questions about each degree in the order of the degrees listed.

The summary of findings for the methodological study is included in Attachment 1.

# **Proposed Changes**

#### Field of Study Questions

We do not propose making any changes to the FOS collection method because the methodological study showed that the current SED FOS coding method (Condition A) resulted in higher respondent self-coding rate than the Condition B. However, for 2021 SED and going forward, we propose to collect FOS data using the Classification of Instructional Programs (CIP) codes. Currently, SED allows the use of 334 FOS codes for degree fields, which are somewhat specialized and limited. Using the more detailed CIP code frame will improve the FOS data for the doctorate and dissertation research fields as well as other postsecondary degree fields. It also will help to completely align the SED FOS taxonomy with the NCSES' Taxonomy of Disciplines.

#### **Educational History Questions**

The methodological study showed that the education history collection method used in Condition E resulted in better degree data with less response burden than Conditions C or D, which asked about each type of degree in sequence.

Therefore, we propose changing the educational history questions as tested in Condition E, which asked the respondents to list all the postsecondary degrees they have earned in any order they chose, and then asked follow-up questions about each degree in the order of the degrees listed. If the respondents' degree list is missing any degree type (associate's, bachelor's, or master's), they will be specifically asked to verify that they did not earn that degree type.

# **Justification for Changes**

### Using CIP codes for SED FOS questions

The FOS verbatim strings reported by the respondents for degree fields they were unable to selfcode in the survey are manually reviewed by the SED expert coders to assign the appropriate SED FOS codes. In the 2019 SED, about 40% of the FOS verbatim strings were difficult even for the SED expert coders to code because the current list of 334 SED FOS codes did not provide sufficient detail fields to capture the respondents' degree fields, particularly their associate's or bachelor's degrees. The CIP, which has more than 2,000 fields, provides a finer level of degree field detail for the respondents to select from.

To evaluate the impact of the FOS coding frame change from the SED fields of study to the 2020 CIP on the SED trend data, we plan to add the SED fields not included the 2020 CIP list that we plan use in the 2021 SED FOS collection and create a crosswalk between the SED and CIP codes. This will help to bridge the SED degree field trend data changes.

#### Using Degree Listing Method for Educational History

In the qualitative feedback from respondents after they completed the educational history questions, some of those who responded to Conditions C and D spontaneously offered suggestions for question improvement similar to the Condition E format. One respondent explained, "It would have been better if I could list all of the degrees and information on one page instead of having to click "next" several times."

These quantitative and qualitative results suggest that Condition E is a better method than the other two conditions. Condition E collected the same amount of degree data from the respondents in significantly less time. As shown in Attachment 1, Condition D and E collected fewer associate's degrees than Condition C. However, the manual review of the associate's degree data in the current SED (which uses a format very similar to Condition C) showed that associate's degrees are overreported due to respondents' misunderstanding of what an associate's degree is. Because this degree type is asked about first, some respondents report their first postsecondary degree, even if it is not an associate's degree data as they asked respondents to recall and report their degrees in reverse chronological order (D) or all at once (E).

To reduce the risk that any degrees are mis- or under-reported in the 2021 SED, we will include three follow up questions after the degree list to prompt respondents to report all of their degrees. When a respondent does not list any associate's, bachelor's, or master's degree, a verification question about the missing degree type will be asked. These additional questions will help distinguish item nonresponse from the legitimate absence of a degree.

In summary, the proposed changes in the 2021 SED questions may result in changes to the trend data but they will improve the educational data quality by allowing respondents to choose from a

more detailed field of study list, and enabling the collection of the respondents' educational history data with reduced respondent burden. Although we expect the respondent burden to decrease with these changes, NCSES will keep the total burden estimates the same. The number of estimated respondents will also remain the same.

# 2021 SED Data Collection Schedule

Date	Activity/Deliverable
04/24/2020	OMB submission for approval of non-substantive changes
05/08/2020	OMB approval
05/13/2020	Finalize 2021 web survey instrument
05/15/2020	Launch 2021 survey collection for AY2021 graduates (July 2020–June 2021)
12/30/2021	2021 survey closeout
06/01/2021	2021 Doctorate Records File delivery
11/31/2021	2021 SED publication release

## **Contact Person**

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### Attachments

Attachment 1: Summary of SED Education Questions Methodological Study Results

Attachment 2: Current 2020 SED Part A2 Educational History Questions

Attachment 3: Proposed 2021 SED Part A2 Educational History Questions

### Attachment 1

#### Summary of SED Education Questions Methodological Study Results

A methodological study was conducted to determine the optimal way to collect field of study (FOS) information and educational histories from respondents. The study was conducted in two phases between December 2019 and January 2020 and included both quantitative analysis of missing and un-coded question items, and response time, along with an analysis of qualitative feedback from study participants.

The first phase test of the study consisted of a set of 1,146 participants with graduate degrees, recruited through Amazon's MTurk, and the second phase consisted of a set of 56 doctoral students and doctorate holders recruited at different colleges and universities.

The MTurk participants completed the web survey questions followed by a series of debriefing questions. The 56 doctoral students or doctorate recipients participated in cognitive interviews conducted by the SED survey contractor's research staff either in person or via web conference. All study participants held at least a master's degree, with approximately 15 percent held a doctorate.

Each participant in the methodological testing was randomly assigned to one of two conditions to examine different methods of collecting FOS information.

- **Condition A** was the control and was similar to the current SED. The response option of the FOS question was an interactive textbox that recommended possible FOS codes as participants entered their FOS. Participants could select a satisfactory FOS code from the recommendations or click a checkbox to activate another open-ended textbox to enter their preferred description of their FOS.
- **Condition B** provided participants with an open-ended text box and participants entered in their field. The instrument then matched the verbatim response to a database that included all codes on the SED FOS code frame plus a set of common spelling errors of the FOS items.

Participants in Condition A produced significantly fewer uncoded FOS responses (Table 1) and completed the questions about their doctoral degree and dissertation research faster than their counterparts in Condition B (Table 2). Some respondents also expressed an expectation of an interactive FOS field search process within the survey instrument when they were asked about their experience. For these reasons, we plan to keep the current FOS coding method.

	Con	dition A	Con	dition B
	Ν	% Uncoded	n	% Uncoded
Doctorate Field	178	25.8***	188	45.7
Dissertation Field	136	25.7***	144	58.3

\*\*\* P < .001 (t-test)

Note: Uncoded includes missing responses.

 Table 2. Response Time for Doctorate and Dissertation Questions by Test Condition

	C	ondition A	Сог	ndition B
	n	Minutes	n	Minutes
Doctorate/Dissertation Questions	178	5.4*	188	5.6

\*P < .05 (t-test)

To test the different methods for collecting educational history data, each study participant was randomly assigned to one of three conditions to examine different methods of collecting educational history data:

- **Condition C** was the control group, which asked the respondents to report their other postsecondary degrees as in the current SED in the following order: associate's degree, bachelor's degree, master's degree, and professional doctorate. At the associate's, bachelor's, and master's degree levels, the survey asked about the number of degrees earned, and for multiple degrees of same degree type, question about the <u>most recent</u> degree, followed by the <u>first</u> degree.
- **Condition D** asked respondents to report other postsecondary degrees in the reverse order: professional doctorate, master's degree, bachelor's degree, and associate's degree. As in Condition C, if respondent reported multiple degrees of same type, the survey first asked about the <u>most recent</u> degree, followed by the <u>first</u> degree.
- **Condition E** asked respondent to list all postsecondary degrees they have earned <u>in any</u> <u>order</u>. The survey asked follow-up questions about each degree <u>in the order the degrees were</u> <u>listed</u>. This method is similar to that used by the Early Career Doctorates Survey (OMB control number 3145-0235). The only difference is that if the respondent did not list a bachelor's or master's degree, they were asked if they had earned one in order to distinguish between item nonresponse and legitimate absence of a degree.

Respondents in each of the conditions reported similar numbers of bachelor's and master's degrees, while those assigned to Condition C reported a slightly higher number of associate's degrees (p < .05; Table 3). There was no statistical difference in the number of bachelor's and master's degrees reported across all conditions. The Condition E questionnaire included prompts for the respondents who did not report a bachelor's or master's degree to confirm they did not have the degree, but this prompt was not included for a missing associate's degree. This may explain the slightly lower number of associate's degrees collected in Condition E as compared to the other two test conditions. We will add in a prompt for the respondents who did not report an associate's degree in the 2021 SED.

Degree Type	Condition C (n=387)	Condition D (n=389)	Condition E (n=370)
Associate's	0.25	0.16*	0.14*
Bachelor's	1.04	1.02	1.05
Master's	1.02	1.03	1.06

Table 3. Average Number	of Reported	<b>Degrees by Degree</b>	<b>Type and Test Condition</b>
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\*p < .05 (t-test)

Larger differences were observed among the conditions in response time. While there was no significant difference between the response time in Conditions C and D, the response time in

Condition E was significantly less than Condition C and D (p < .001; Table 4). On average, respondents in conditions C and D spent almost 5 minutes, while those in Condition E spent only about 2.5 minutes to answer all educational history questions.

	Condition C	Condition D	Condition E
Ν	387	389	370
Mean <sup>a</sup> (minutes)	4.9	4.8	2.6***
Median (minutes)	4.0	3.7	2.1
SD	3.8	4.0	1.9
	•	•	

Table 4. Response Time in Educational History Section by Test Condition

\*\*\*p < .001 (t-test)

# Attachment 2

**Current 2020 SED Part A2 Educational History Questions** 

Did you ever earn college credit from a co	mmunity or 2-year college?
1 Yes 2 No	
SCOTATES DECREERS	
SSOCIATE'S DEGREE(S)	
Have you received an <u>associate's</u> degree (	e.g., AA, AS) or equivalent?
1 Yes 2 No → GO TO A	10 on PAGE 4
a. Please provide the following information	for the <u>first</u> associate's degree that you received.
Institution name	
Branch or city	
State as II S. territory	
State of 0.5. terniory	
Country	
Field number c. When did you <u>start</u> this associate's degree Month/year degree <u>started</u> : Month d. Have you ever received another associat 1 Yes 2 No → GO T	ee and when was the degree <u>granted</u> ? Year Month/year degree <u>granted</u> : Month Year te's degree (e.g., AA, AS) or equivalent? 10 A10 on PAGE 4
Field number c. When did you <u>start</u> this associate's degree Month/year degree <u>started</u> : Month d. Have you ever received another associat 1 Yes 2 No → CO T ↓ cond Associate's Degree	ee and when was the degree <u>granted</u> ? Year Month/year degree <u>granted</u> : Month Year Year te's degree (e.g., AA, AS) or equivalent? 10 A10 on PAGE 4 Third Associate's Degree
Field number c. When did you <u>start</u> this associate's degree Month/year degree <u>started</u> : Month d. Have you ever received another associat 1 Yes 2 No → GO T ↓ cond Associate's Degree Institution	ee and when was the degree <u>granted</u> ? Year Month/year degree <u>granted</u> : Month Year te's degree (e.g., AA, AS) or equivalent? To A10 on PAGE 4 Third Associate's Degree
Field number c. When did you <u>start</u> this associate's degree Month/year degree <u>started</u> : Month d. Have you ever received another associat 1 Yes 2 No → GO T ↓ cond Associate's Degree Institution Branch or city	ee and when was the degree <u>granted</u> ? Year Month/year degree <u>granted</u> : Month Year te's degree (e.g., AA, AS) or equivalent? 10 A10 on PAGE 4 Third Associate's Degree Institution Branch or city
Field number c. When did you <u>start</u> this associate's degree Month/year degree <u>started</u> : Month d. Have you ever received another associat 1 Yes 2 No → GO T ↓ cond Associate's Degree Institution Branch or city State or U.S. territory	ee and when was the degree granted? Year Month/year degree granted: Month Year te's degree (e.g., AA, AS) or equivalent? Third Associate's Degree Institution Branch or city State or U.S. territory
Field number c. When did you <u>start</u> this associate's degree Month/year degree <u>started</u> : Month d. Have you ever received another associat 1 Yes 2 No → GO T ↓ cond Associate's Degree Institution Branch or city State or U.S. territory Country Field number	ee and when was the degree granted? Year Month/year degree granted: Month Year te's degree (e.g., AA, AS) or equivalent? Third Associate's Degree Institution Branch or city State or U.S. territory Country Field Name
Field number	ee and when was the degree granted? Year Month/year degree granted: Month Year te's degree (e.g., AA, AS) or equivalent? 10 A10 on PAGE 4 Third Associate's Degree Institution Branch or city State or U.S. territory Country Field Name Field number, see foldout
Field number         c. When did you start this associate's degree         Month/year degree started:       Month         d. Have you ever received another associat         1       Yes       2       No       GO T         1       Yes       2       No       GO T         cond Associate's Degree       Institution       Branch or city       State or U.S. territory       Gountry         Field Name       Gountry       Gountry       Gountry       Gountry         Field Name       Gountry       Gountry       Gountry       Gountry         Month/Year started       Gountry       Gountry       Gountry       Gountry	ee and when was the degree granted? Year Month/year degree granted: Month Year te's degree (e.g., AA, AS) or equivalent? Third Associate's Degree Institution Branch or city State or U.S. territory Country Field Name Field Name Field Name Field Name Field Name Field Name

BACHELOR	r'S DEGREE(S)
10. Have you rec	eived a <u>bachelor's</u> degree (e.g., BA, BS, AB) or equivalent?
1 Yes	2 No → GO TO A11 on PAGE 5
a. Please prov	vide the following information for the <u>first</u> bachelor's degree that you received.
Institution (	name
Branch or c	sity
State or II S	S tarritory
0.1	s. ternory
Country	
b. Please writ	te the name of the field of study for your <u>first</u> bachelor's degree.
Name of field	
line the F	[]
field of stur	dy for this bachelor's degree.
	Field number
c. Did you cor	mplete a double major for this bachelor's degree?
	1 Yes 7 No
	1 Tes Z NO
	Please write the name of the field of study for your second major for this bachelor's degree.
	Name of field
	Using the Field of Study list on pages 16 and 17 (see foldout), please choose the field number that best matches field of study for your second major for this bachelor's degree.
	Till and a
	Field number
d. When did y	Field number
d. When did y	Field number rou <u>start</u> this bachelor's degree and when was the degree <u>granted</u> ?
<b>d. When did y</b> Month/year dep	Field number rou <u>start</u> this bachelor's degree and when was the degree <u>granted</u> ? Igree <u>started</u> : Month Year Month/year degree <u>granted</u> : Month Year
d. When did y Month/year de	Field number rou <u>start</u> this bachelor's degree and when was the degree <u>granted</u> ? egree <u>started</u> : Month Year Month/year degree <u>granted</u> : Month Year wer received another bachelor's degree (e. g. R& RS, AB) or enuivalent?
d. When did y Month/year dep e. Have you en	Field number rou <u>start</u> this bachelor's degree and when was the degree <u>granted</u> ? egree <u>started</u> : Month Year Month/year degree <u>granted</u> : Month Year ever received another bachelor's degree (e.g., BA, BS, AB) or equivalent?
d. When did y Month/year dep e. Have you en 1 Yes	Field number rou <u>start</u> this bachelor's degree and when was the degree <u>granted</u> ? egree <u>started</u> : Month Year Month/year degree <u>granted</u> : Month Year wer received another bachelor's degree (e.g., BA, BS, AB) or equivalent? 2 No GO TO A11 on PAGE 5
d. When did y Month/year de e. Have you en 1 Yes	Field number Field
d. When did y Month/year de e. Have you er 1 Yes iecond Bachelor's	Field number         rou start this bachelor's degree and when was the degree granted?         agree started:       Month         Year       Month/year degree granted:         wer received another bachelor's degree (e.g., BA, BS, AB) or equivalent?         2       No         S Degree       Third Bachelor's Degree
d. When did y Month/year de e. Have you er 1 Yes Second Bachelor's Institution	rou start this bachelor's degree and when was the degree granted?   rou start this bachelor's degree and when was the degree granted?   regree started:   Month   Year   Month   Year   Year   Month   Year   Month   Year   Month   Year   No   GO TO All on PAGE 5   S Degree   Institution   Provide on the second
d. When did y Month/year de e. Have you et 1 Yes Gecond Bachelor's Institution Branch or city State or II S. territory	Field number   For start this bachelor's degree and when was the degree granted?   egree started:   Month Year Month/year degree granted: Month Year Year Year Year Month Year Yea
d. When did y Month/year de e. Have you er 1 Yes ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	rou start this bachelor's degree and when was the degree granted?   agree started:   Month   Year   wer received another bachelor's degree (e.g., BA, BS, AB) or equivalent?   2   No   S Degree   Institution   Branch or city   State or US. territory   Country
d. When did y Month/year de e. Have you e 1 Yes iecond Bachelor's Institution Branch or city State or U.S. territory Country Field Name	Field number         You start this bachelor's degree and when was the degree granted?         agree started:       Month       Year       Month/year degree granted:       Month       Year         agree started:       Month       Year       Month/year degree granted:       Month       Year         agree started:       Month       Year       Month/year degree granted:       Month       Year         agree started:       Month       Year       Month       Year       Year         agree started:       Month       Year       Month       Year         agree started:       Month       Year       Month       Year         agree started:       Month       Year       Month       Year         agree started:       Month       No       Year       Year         agree started:       Month       No       Year       Year         agree started:       Bachelor's Degree       Institution       Branch or city       State or U.S. territory       State or U.S.
d. When did y Month/year de e. Have you e 1 Yes iecond Bachelor's Institution Branch or city State or U.S. territory Country Field Name Field number, see foldout	rou start this bachelor's degree and when was the degree granted?   agree started: Month Year Month/year degree granted: Month Year wer received another bachelor's degree (e.g., BA, BS, AB) or equivalent? 2 No GO TO A11 on PAGE 5 S Degree Institution Earch or city Earch or city State or U.S. territory Country Field Name No Regree field name No Field name Field name Field name Field name Field name Field name
d. When did y Month/year de e. Have you e 1 Yes iecond Bachelor's Institution Branch or city State or U.S. territory Country Field Name Field number, see foldout Wonth/Year started	rou start this bachelor's degree and when was the degree granted?   agree started: Month Year Month/year degree granted: Month Year Month/year degree granted: Month Year Year Year Month Month Year Month Month Year Month Month Month Year Month

A11. In what month and year did you first enter <u>any graduate</u> prog	ram, even if you did not earn a degree?
Month	
MASTER'S DEGREE/S)	
A12 Have you received a master's degree (e.g. MS_MA_MRA) or a	nuivalent?
1 Yes 2 No - C0 T0 A13 on PACE 6	quitaion:
a Please provide the following information for the MOST PEC	ENT master's degree that you received
a. Trease provide the following information for the most RED	master s degree mat jou received.
Institution name	
Branch or city	
State or U.S. territory	
Country	
b. Please write the name of the field of study for your MOST R	ECENT master's degree.
Name of field	
Using the Field of Study list on pages 16 and 17 (see foldou	t), please choose the field number that best matches the primary
field of study for this master's degree.	
Field number	
c. When did you start this master's degree and when was the	degree granted?
Month/year degree <u>started</u> : Month Year	Month/year degree granted: Month Year
d. Which of the following best describes this master's degree	?
1 This master's degree was required to enter or continue in my docto	ral program
2 This master's degree was <u>not</u> required and it did <u>not</u> fulfill any cree	dits for my doctoral program # 60 10 1 BELOW
3 This master's degree was <u>not</u> required, but it <u>fulfilled credits</u> for m	y doctoral program
e. About how many of the credits from this master's degree of	ounted toward your doctoral degree?
mark (A) one	
1 Some 2 Most 3 All	
f. Have you ever received another master's degree (e.g., MS,	MA, MBA) or equivalent?
1 Yes 2 No → GO TO A13 on PAGE 6	
↓	
Additional Master's Degree 1	Additional Master's Degree 2
Institution	Institution
State or U.S. territory	State or U.S. territory
Country	Country
Field Name	Field Name
Month/Year started	Month/Year started
Month/Year granted	Month/Year granted

1 Yes, I am currently earn	ing a professional doctoral degree
2 Yes, I have already earn	ed a professional doctoral degree
3 No → GO TO	A14 BELOW
Please provide the follow	ing information for your professional doctoral degree.
Degree type	
Institution name	
Branch or city	
State or U.S. territory	
Country	
WI EL	

### **Attachment 3**

#### **Proposed 2021 SED Part A2 Educational History Questions**

Please select all other degrees you have earned after high school, and indicate the year each degree was started and awarded. When you have selected all of your degrees, click the Next button.

Line	Degree type	Year started	Year awarded
1	Professional Doctorate degree (e.g., MD, DO, DDS, DVM)	2017 ~	2019 ~
2	Bachelor's degree (e.g., BS, BA, AB)	2013 ~	2017 ~
3	Bachelor's degree (e.g., BS, BA, AB)	2009 ~	2013 ~
4	Associate's degree (e.g., AS, AA)	2009 ~	2010 ~
5	- Select Degree -	-Select Ye ~	-Select Year V
6	- Select Degree -	-Select Ye v	-Select Year 🗸

Did not earn a master's degree

# In what month and year did you first enter any graduate program, even if you did not earn a degree?

Graduate program first entered:	Select One	~	MON	Select One	~
erudude program met entered.			HOI		

#### Have you ever earned college credit from a community or 2-year college?

⊖ Yes

◯ No

#### From which academic institution did you receive your professional doctorate degree that was awarded in 2019?

Institution Name:	
Department:	
City or Town:	
State or Foreign Country:	

Please indicate	
• MD	
$\bigcirc$ dds	
⊖ PsyD	
Other	
From which acade	Inc institution did you receive your bachelor's degree that was awarded in 2017?         University of Virginia
Department:	
City or Town:	
State or Foreign Country:	
What was the field search box below a please enter one fi Field Name:	of study for your bachelor's degree awarded in 2017? Please type the field of study in th and choose the field name that best matches your degree field <i>If you had a double major,</i> <i>eld here. You can report the second major field later.</i> Search for Field of Research
Check here if y	you cannot find your degree field and specify the field of study in detail.
Did you complete a	a double major for your bachelor's degree that was awarded in 2017?
Did you complete a	a double major for your bachelor's degree that was awarded in 2017?

What was the second major field of study for your bachelor's degree? Please type the field of study in the search box below and choose the field name that best matches your degree field.

Search for Field of Research Field Name: Check here if you cannot find your degree field and specify the field of study in detail. Field Name Description: Enter Field of Research

#### From which academic institution did you receive your bachelor's degree that was awarded in 2013?

Institution Name:	
Department:	
City or Town:	
State or Foreign Country:	

What was the field of study for your bachelor's degree awarded in 2013? Please type the field of study in the search box below and choose the field name that best matches your degree field *If you had a double major, please enter one field here. You can report the second major field later.* 

Field Name:

English Literature (British & Commonwealth)

Check here if you cannot find your degree field and specify the field of study in detail.

Did you complete a double major for your bachelor's degree that was awarded in 2013?

○ Yes

No

From which academic institution did you receive your associate's degree that was awarded in 2010?

Institution Name:	
Department:	
City or Town:	
State or Foreign Country:	

What was the field of study for your associate's degree awarded in **2010**? Please type the field of study in the search box below and choose the field name that best matches your degree field.

Field Name:

Search for Field of Research

Check here if you cannot find your degree field and specify the field of study in detail.

In addition to your doctorate, are you currently earning a professional doctoral degree, such as an MD, DDS, DVM, JD, or PsyD?

Yes

◯ No

Please indicate the type of professional doctoral degree you are currently earning.

JD
MD
DVM
DDS
PsyD
DDiv

○ Other

Please indicate the geographic location of the institution from which you expect to earn your MD

• Inside the United States or U.S. Territory

Outside of the United States

Please type your institution name in the search box below and then choose the institution that best matches where you expect to earn your MD. If no search results appear or you are not satisfied with the results, check the box to indicate this and provide the institution details requested.

Search for Name of I	institution	
✓ I could not find n	ny institution in the list abov	e
Your school does not	appear to be in our databas	e. Please provide the following information for your school:
Branch or City:		
State or Territory:	Select State	$\checkmark$

#### When did you start this MD and when is the degree expected to be granted?

Month/Year that you <u>started</u> your degree:	Select One	Select One
Month/Year degree <u>expected to be</u> <u>granted</u> :	Select One	Select One ~