

ATTACHMENT 7: SED Institution Contact Materials

2024 SED Communications

Type	To	From	Content	Expected Date
Email	Institution Contacts	NSF Project Officer	Notification of 2024 web instrument is live	5/2023
	Institution Contacts		Job Aid (English)- Posted on Web Portal	5/2023
	Institution Contacts		Job Aid (Spanish)- Posted on Web Portal	5/2023
	Institution Contacts		Respondent Brochure- Posted on Web Portal	5/2023
Email	Institution Contacts	RTI Project Director	Auto-generated email to new IC or LC	Ongoing
Email	Institution Contacts	Data Collection Staff	Graduation List Prompting Email - *Summer, Fall, Winter, Spring	Ongoing
Email	Institution Contacts	NSF Project Officer	1st Address Roster Request- Low Responding	3/2024
Email	Institution Contacts	NSF Project Officer	1st Address Roster Request- High Responding	3/2024
Email	Institution Contacts	NSF Project Officer	Missing Information Roster (MIR) Request	10/2024
Letter	Deans & ICs	NSF Project Officer	Dean Thank You Letter	1/2025
Email	Dean	NSF Project Officer	New Institution Email to Deans	Ongoing
Email	Institution Contacts		Uses of the Data & Best Practices	As needed
	Institution Contacts	Posted on Web Portal	Graduation List Template	Ongoing
	Institution Contacts	Posted on Web Portal	Address Roster Template	3/2024
	Institution Contacts	Posted on Web Portal	Missing Information Roster Template	10/2024

EMAIL TO NOTIFY IC OF SED WEB 2024 LAUNCH

Subject: Launch of the 2024 Survey of Earned Doctorates

Dear <InstitutionContact_FirstName> <InstitutionContact_LastName>:

Thank you for your continued support of the Survey of Earned Doctorates (SED) and welcome to the 2024 SED! The 2024 survey is now available on the web for all research doctoral students who expect to graduate between July 1, 2023 and June 30, 2024.

Your students can access the SED web survey at <https://sed-ncses.org>, the same URL from last year.

All the survey materials are also available on the website for the ICs at <https://sedsurvey.org/Home/ICAT>. For more detail information about the SED, please go to <https://sedsurvey.org/>.

If you have any changes in the Institution Contact and Graduate Dean contact information, please send the updated information to sed@rti.org.

For any questions or concerns, please contact us at 1-877-256-8167 or sed@rti.org. Thank you again for your support.

Sincerely,

Kelly H. Kang
Project Officer
Survey of Earned Doctorates
National Center for Science and Engineering Statistics
National Science Foundation

*For information on the SED, please visit <https://nsf.gov/statistics/srvydoctorates/>.
SED is collected under contract by RTI International, a nonprofit research organization, for NSF.*



2024 Survey of Earned Doctorates

Institution Contact Job Aid

Welcome!

Welcome to the 2024 cycle of the Survey of Earned Doctorates (SED). The SED is an annual census of all research doctorate recipients from U.S. accredited institutions. The goal is to gather objective data about doctoral graduates, which help improve graduate education by providing governmental and private agencies with the information necessary to make program and policy decisions.

In addition, participating institutions receive data about their own doctorate recipients which can be used for institutional program evaluation and improvement.

The survey is conducted by the National Science Foundation in collaboration with the National Institutes of Health, the U.S. Department of Education, and the National Endowment for the Humanities. The SED data collection activities are currently contracted to RTI International.

Each institution awarding research doctorates appoints an institution contact (IC) who helps facilitate the administration and completion of the SED. Over the past few decades, ICs have successfully ensured extremely high response rates – above 90 percent – for the more than 50,000 research doctorate recipients who graduate each year. This commitment to data quality is critical to ensuring the integrity of these comprehensive data on U.S. research doctorate recipients.

ICAT Website

The SED Institution Contact Administrative Tool (ICAT) <https://sedsurvey.org/Home/ICAT> contains information and helpful tools to assist ICs administer the SED on their campus. On the website, ICs can obtain survey materials to distribute to graduating research doctorates, transmit various SED forms and files, and maintain contact information for key personnel responsible for SED administration. Furthermore, ICs can view their school's response rate, SED document submission status, and students' survey response status. The ICAT allows you to access the following:

- ✓ View informational brochures, current and past SED questionnaires, FERPA exemption letter, and the SED's Confidentiality and Privacy policy.
- ✓ Update contact information for Deans, Institution Contacts, and List Coordinators.
- ✓ The **SED Response Rate** table displays various counts for each graduation date provided in the graduation list.
- ✓ The **SED Response Status** table displays various student counts, including ineligible students and students who have completed the survey versus students who have not.
- ✓ The **Document Status** table displays all documents needed from your school and their current status.
- ✓ The **Student List** displays all students currently in the SED's records, along with their survey status (Complete, In Progress, Not Started, Received), for any open round of data collection.

IC Contact Information

If you are new to the IC role or your contact information has changed, please email your updated contact information to sed@rti.org.

Eligible Types of Doctorates

The SED includes **research doctorates** only; for this survey, a research doctorate is a doctoral degree that requires the completion of an original intellectual contribution in the form of a dissertation or an equivalent culminating project (such as a musical composition), and that is not primarily intended as a degree for the practice of a profession.

Types of research doctoral degrees eligible for the Survey of Earned Doctorates

Abbreviation	Degree title
PhD	Doctor of Philosophy
DA	Doctor of Arts
DBA	Doctor of Business Administration
DDes	Doctor of Design
DEng, DESc, DES	Doctor of Engineering or Engineering Science
DFA	Doctor of Fine Arts
DHL	Doctor of Hebrew Letters
DMA	Doctor of Musical Arts
DME	Doctor of Music Education
DML	Doctor of Modern Languages
DNsc	Doctor of Nursing Science
DPH	Doctor of Public Health
DSc, ScD	Doctor of Science
EdD	Doctor of Education
JCD	Doctor of Canon Law
JSD, SJD	Doctor of Juridical Science
STD	Doctor of Sacred Theology
ThD	Doctor of Theology

The PhD is the most common research doctorate degree. Recipients of professional, practitioner, or applied doctorates – such as MD, DDS, JD, PsyD, DMin, PharmD and DNP degrees – are NOT included in the SED.

However, in some institutions, there are some doctoral degree programs that may be equivalent to the PhD, such as the Doctor of Education, Doctor of Science, and the Doctor of Engineering; these should be included in the SED ONLY if the NSF has determined that these particular degrees at your institution are research degrees.

If your institution has a medical school, please make sure that any research doctorates awarded through the medical school are included in the SED. If you have any questions about a SED eligible degree awarded by your institution, please call us toll-free at 1-877-256-8167.

Types of Data Requested (2022 SED Eligibility Period: July 1, 2021 - June 30, 2022)

Graduation Lists	<ul style="list-style-type: none"> • count of your doctoral graduates.
Address Roster	<ul style="list-style-type: none"> • contact information requested only for students who have yet to complete the survey, where contact information was not provided on the Graduation List
Missing Information Roster	<ul style="list-style-type: none"> • a subset of critical data items requested only for students who have yet to complete the survey.

(1) **GRADUATION LIST:**

- ▶ After each graduation date during the eligibility period, please submit each graduation list within 2 months of the graduation date.
- ▶ Graduation lists are needed to ensure we have an accurate base count of your doctoral graduates.
- ▶ Following information is requested for each student:
 - Student's First and Last Name
 - Graduation Month/Year
 - Degree Type (PhD, EdD, JSD, etc.)
 - Doctoral Field of Study
 - Advisor's Name
 - Email Address
 - Physical Mailing Address
 - Telephone number

(2) **ADDRESS ROSTER** (*Requested only if contact information was not provided on the Graduation List and only for students who have yet to complete the survey*):

- ▶ Requested two times during the eligibility period.
- ▶ Address roster information is needed to contact the students to complete the survey.
- ▶ Following information is requested for each student:
 - Student's Email Address
 - Physical Mailing Address
 - Telephone Number

(3) **MISSING INFORMATION ROSTER (MIR):**

- ▶ Requested near the end of data collection.
- ▶ Missing Information Roster (MIR) information are a subset of critical data items for students who have not completed the survey.
- ▶ Following information is requested for each nonresponding student.
 - Student's Doctoral Field of Study
 - Birthdate
 - Sex
 - Citizenship
 - Ethnicity and Race
 - Bachelor's Degree Year, Institution Name and Location
 - Post Degree Location (U.S. or Out of U.S.)

Step-by-Step Instructions

- 1 3-4 months before graduation, distribute the SED web survey link— <https://sed-ncses.org>
- 2 Monitor SED web survey completion status on the ICAT's Student Status page
- 3 Within two months after each graduation date, submit a graduation list via the ICAT.
- 4 Email any nonresponding students using the new email feature in the ICAT.

1. 3-4 months before graduation, distribute the SED web survey link— <https://sed-ncses.org>— for each student applying for graduation or award of a research doctorate. The SED web survey can be linked to your institution's exit survey or included in a graduation checklist for your research doctorates.
2. Monitor SED web survey completion status on the ICAT for each upcoming graduate and follow-up regularly with doctoral recipients who have not yet completed the survey.
3. Within 2 months of each graduation date, use the Excel template on the ICAT to upload a final graduation list. Alternatively, you may upload a Word document or a copy of an annotated commencement program.
4. 4. Email any nonresponding students using the email feature in the ICAT.

2022 SED Timeline

Graduation Eligibility Period	July 1, 2023 – June 30, 2024
SED Web Survey Available to Institutions	May 2023
 Submit Graduation Lists	Quarterly
 Submit Address Rosters <i>(if needed)</i>	March 2024 and August 2024
 Submit Missing Information Rosters <i>(if needed)</i>	October 2024
 Deadline to Submit Graduation Lists	October 15, 2024
 Data Collection Ends	December 31, 2024

SED Frequently Asked Questions (FAQs)

✓ **What is the student SED web survey link?**

<https://sed-ncses.org> – we suggest adding this survey link to a graduation checklist.

✓ **What is the Institution Contact Administrative Tool (ICAT)?**

The SED Institution Contact Administrative Tool (ICAT), <https://sedsurvey.org/Home/ICAT>, contains information and helpful tools to assist ICs administer the SED on their campus. Please see page 1 of this document for more information.

✓ **What are the roles of an Institution Contact (IC) and a List Coordinator (LC)?**

- Each school has the option of having one Institution Contact (IC) and one List Coordinator (LC). These two roles are granted access to the Institution Contact Administrative Tool (ICAT).
- The main responsibilities of an Institution Contact (IC) are to:
 - direct your research doctorate students to complete the survey at <https://sed-ncses.org>.
 - provide a Graduation List of research doctorate graduates via the ICAT system, preferably within 2 months of each graduation period.
- If your school has both an Institution Contact (IC) and a List Coordinator (LC):
 - The IC is responsible for directing research doctorates to complete the survey.
 - The LC is responsible for providing graduation lists (and other requested data, as needed) of research doctorate graduates via the ICAT system, preferably within 2 months of each graduation period.

✓ **Where do I find my ICAT username?**

When you were identified as an IC or LC, you were sent login credentials via email. If you cannot locate that email, you may retrieve your ICAT username by contacting the SED Help Desk at 877-256-8167 or sed@rti.org. For security purposes, Help Desk staff are unable to provide password information.

✓ **How do I reset my ICAT password?**

1. Go to <https://sedsurvey.org/Home/ICAT>
2. Enter your username
3. Click “forgot password”
4. A password reset email will be sent to you

***Note:** some institution email security settings will prevent automated email from reaching your inbox. If you cannot find the password reset email in your inbox, spam, or junk folders, please email the SED Help Desk at sed@rti.org and we will manually forward the email to you.*

✓ **How do I update my contact information?**

You may update contact information by notifying us at SED@rti.org or by calling us at 877-256-8167.

✓ **Where do I find my SED institution ID?**

You may retrieve your SED Institution ID by contacting the SED Help Desk at 877-256-8167 or sed@rti.org. Your Institution ID is also included in all Graduation List email prompts, in the email subject line.

SED Frequently Asked Questions (FAQs) *continued*

✓ **Can I receive copies of the Certificate of Completion email that is sent to the student?**

Yes. We can identify one email address to be cc'd on the email sent to the student, upon completion of their survey. Please email sed@rti.org to make this request.

✓ **How often should I provide a graduation list?**

As a general practice, we ask that graduation lists be provided within two months of **each** graduation date.

✓ **Where do I find the graduation list excel template?**

1. Log into ICAT <https://sedsurvey.org/Home/ICAT>
2. Select Data Collection menu
3. Select Graduation Lists, download excel template
4. Enter student information in template
5. Submit graduation list via the Upload Forms page

✓ **What should I title my graduation list?**

Please include the month/year in your file title. Our suggestion is to title your graduation list using the following format: "MonthYear_GraduationList_School"

Examples: December2021_GraduationList_HarvardLaw
January_March2022_GraduationList_EastCarolinaUniv

✓ **What data is requested on the Graduation List?**

- Student first and last name
- Graduation Month/Year
- Degree Type (PhD, EdD, JSD, etc.)
- Field of Study
- Student email address
- Student physical mailing address
- Student phone number
- Advisor's name

✓ **What is the difference between the Graduation List and the Address Roster?**

Graduation lists are a complete list of all eligible research doctorate per conferral date (graduation). Address Rosters are a subset of students who were previously reported on a graduation list(s) but have yet to complete the survey. For more information about data each list requests, please see page 3 of this document.

✓ **How do I request my institution's data?**

There are several types of data requests available to you. Please visit the ICAT for instructions.

1. Log into ICAT <https://sedsurvey.org/Home/ICAT>
2. Select Study Results menu
3. Select Institution Data
4. Follow directions to request Institution Datasets or Preliminary Institution Files

SED Frequently Asked Questions (FAQs) *continued*

✓ **A student told me their graduation date is not available to register for the SED—what should I do?**

If your student is attempting to register for a survey cycle that is not yet available, their graduation date will not be visible in the drop-down menu. Please ask your student to email the SED Help Desk at SED@rti.org for instructions.

Each survey cycle is associated with a specific range of graduation dates. For example:

SED 2024 cycle allows access to students with graduation dates between July 1, 2023 - June 30, 2024

SED 2025 cycle allows access to students with graduation dates between July 1, 2024 – June 30, 2025

A couple of months prior to a new cycle beginning, the new SED survey becomes available online. When a new cycle's survey becomes available, SED Institution Contacts will receive a "Launch" email notifying the institution.

✓ **A student registered with the incorrect graduation date and/or misspelled their name—what should I tell the student?**

The SED staff can make this correction on behalf of the student. Please ask your student to contact the SED Help Desk at SED@rti.org with the following information:

- First and Last Name
- Certificate of Completion confirmation number
- Description of the error/what information *needs* to be corrected
- Description of the correct information

AUTOMATICALLY GENERATED EMAIL WHEN NEW INSTITUTION CONTACT (IC) OR LIST COORDINATOR (LC) IS IDENTIFIED

Subject: Survey of Earned Doctorates (SED): ICAT Login Credentials

Dear <Firstname> <Lastname>:

We appreciate your interest in the National Science Foundation's Survey of Earned Doctorates (SED). We understand that you have requested login credentials for your institution's ICAT website.

The SED Institution Contact Administrative Tool (ICAT) contains information necessary for ICs to administer the SED on their campus. To access your institution's ICAT, please click <https://sedsurvey.org/Account/Login>.

UserName: <UserName>

Password: <Password>

You will be asked to change your password on your first login.

Please reply to this email or contact us at **1-877-256-8167** if you have any questions.

Sincerely,

Peter Einaudi
Project Director
Survey of Earned Doctorates
RTI International

Email to New Institution Contact

Dear <Salutation> <IC Firstname><IC Lastname>,

You have now been designated as the Institution Contact (IC) for <School Name>. You should have received an automated email from sed@rti.org, which contains your username, temporary password, and a link to the Institution Contact Administrative Tool (ICAT), which you will use to upload related documentation.

The most common uses of the ICAT are to (a) upload documents (Graduation Lists, Address Rosters, Missing Information Rosters) and to (b) look at students' survey statuses (Registered, In Progress, or Complete). **I have also attached the 2024 SED Job Aid, which provides an overview of your role as the Institution Contact (IC). It includes helpful FAQs on pages 5-7.**

The main responsibilities of an Institution Contact (IC) are to:

- a) Direct your research doctorate students to complete the survey at <https://sed-ncses.org>. We highly recommend the survey link be listed on a graduation checklist.
- b) Provide a Graduation List of research doctorate graduates per graduation. I've also attached a Graduation List Template you can use to provide the requested data.

To Submit a Graduation List

1. Go to <https://sedsurvey.org/Home/ICAT>
 - Enter your username <(IC Username)> and password.
 - Click "forgot password" if you cannot recall your password.
 2. Click on Upload Forms, located at top left of page
 3. Select "Graduation List"
 4. Click the Upload Graduation List button
 5. The successfully uploaded file will appear in two places:
 - (1) Recent Uploads section on the Uploads Forms page
 - (2) Document Status table on the School Summary (Home) page.
- **Your Institution ID is <Institution ID>****

Please do not hesitate to contact us with any questions or if you need additional clarification.

Best,

SED Data Collection Team

Tel: 1-877-256-8167 | SED@rti.org

SED Survey Link: <https://sed-ncses.org>

SED Info Site: <https://sedsurvey.org/>

SED 2018 Results: <https://nces.nsf.gov/pubs/nsf20301/>

More Info: <https://www.nsf.gov/statistics/srvydoctorates/>

GRADUATION LIST PROMPTING EMAIL – SUMMER, FALL, SPRING, WINTER

Subject: Survey of Earned Doctorates (SchoolID): <INSERT GRAD MONTH> Graduation List

Dear [IC/LC NAME],

Thank you for your institution's continued support of the Survey of Earned Doctorates (SED).

At this time, we would like to ask you to submit your institution's graduation list(s) for all students awarded a research doctoral degree in <INSERT GRAD MONTHS>.

To submit the graduation list, please log onto your ICAT website, and follow the instructions below:

1. Go to <https://sedsurvey.org/Home/ICAT> and enter your username [USER_NAME] and password. (If you do not know your password click "forgot password", click "yes" to the question "I know my username" and enter your username. Your password will be emailed to you.)
2. Click on the Upload Forms page
3. Select Graduation List
4. Download a Graduation List Template (if needed)
5. Enter the requested information into the Graduation Template
6. Click the Upload Graduation List button
7. A successfully uploaded file will appear in the list of Recent Form Uploads and in the Document Status table on the School Summary page.

Should you have any questions, please contact us at 1-877-256-8167 or sed@rti.org.

We really appreciate your assistance with our effort to collect accurate counts of the SED research doctorates in the United States.

[INSERT NAME]

SED Data Collection Team

877-256-8167

sed@rti.org

Thank you for ensuring that your doctoral students are directed to <https://sed-ncses.org> to complete the SED.

ADDRESS ROSTER REQUEST— EMAIL TO INSTITUTION CONTACTS: LOW RESPONSE SCHOOLS

Subject: Information request for the Survey of Earned Doctorates

Dear <IC_FirstName LastName>:

Thank you for your continued support of the Survey of Earned Doctorates (SED). In order to maintain a high response rate in the SED, we need your assistance in obtaining contact information for your graduates who have not yet completed the survey, to encourage them to respond.

To access the Address Roster, please log in to the ICAT website (<https://sedsurvey.org/Home/ICAT>):

1. Log in using your ICAT Username and Password
2. Select the Data Collection menu and then Select Address Roster
 - a. Download the Address Roster (Excel spreadsheet)
 - b. Add the requested information for the graduates listed
3. Click on Upload Forms and select Address Roster
 - a. Upload the completed Address Roster
4. A successfully uploaded file will appear in the list of Recent Form Uploads and in the Document Status table on the School Summary page

If you have any questions, please contact us at 877-256-8167 or at sed@rti.org.

The student contact information is exempt from FERPA protections as per guidance from the United States Department of Education. To review this document, click here:

https://edsurveys.rti.org/sedinfo/Content/pdf/FERPA_Letter_SED.pdf

Your prompt response to our request is greatly appreciated. Thank you in advance for your help.

Sincerely,

Kelly H. Kang
Project Officer
Survey of Earned Doctorates
National Center for Science and Engineering Statistics
National Science Foundation

ADDRESS ROSTER REQUEST— EMAIL TO INSTITUTION CONTACTS: HIGH RESPONSE SCHOOLS

Subject line: Information request for the Survey of Earned Doctorates

Dear <IC_FirstName LastName>:

Thank you for your continued support of the Survey of Earned Doctorates (SED). We appreciate your efforts in achieving a high SED response rate from your students. At this time, we need your assistance in obtaining contact information for a few of your graduates who have not yet completed the survey.

To access the Address Roster, please log in to the ICAT website (<https://sedsurvey.org/Home/ICAT>):

1. Log in using your ICAT Username and Password
2. Select the Data Collection menu and then Select Address Roster
 - a. Download the Address Roster (Excel spreadsheet)
 - b. Add the requested information for the graduates listed
3. Click on Upload Forms and select Address Roster
 - a. Upload the completed Address Roster
4. A successfully uploaded file will appear in the list of Recent Form Uploads and in the Document Status table on the School Summary page

If you have any questions, please contact us at 877-256-8167 or at sed@rti.org.

The student contact information is exempt from FERPA protections as per guidance from the United States Department of Education. To review this document, click here https://edsurveys.rti.org/sedinfo/Content/pdf/FERPA_Letter_SED.pdf

Your prompt response to our request is greatly appreciated. Thank you in advance for your help.

Sincerely,

Kelly H. Kang
Project Officer
Survey of Earned Doctorates
National Center for Science and Engineering Statistics
National Science Foundation

MISSING INFORMATION ROSTER EMAIL TO INSTITUTION CONTACTS (ICs)

Subject line: Survey of Earned Doctorates: Request for Important Information from NSF

Dear [Salutation] [Last Name]:

As Survey of Earned Doctorates (SED) for the academic year 2022 comes to a close, we need your assistance one last time for important key information for the doctorate recipients from your institution who have not completed the SED.

To access the Missing Information Roster, please login to the SED ICAT website (<https://sedsurvey.org/Home/ICAT>)

1. Log in using your ICAT Username and Password
2. Select the Data Collection menu and then Select Missing Information Roster
 - a. Download the Missing Information Roster (Excel spreadsheet)
 - b. Add the requested information for the graduates listed
 - c. When providing the Classification of Instructional Programs (CIP) code for the doctorate field of study, please make sure the CIP code is in the following format xx.xxxx.
3. Click on Upload Forms and select Missing Information Roster
 - a. Upload the completed Missing Information Roster
4. A successfully uploaded file will appear in the list of Recent Form Uploads and in the Document Status table on the School Summary page

We would appreciate your submission by October 31, 2024. If you have questions, please e-mail us at sed@rti.org or call us at 877-256-8167.

The student information is exempt from FERPA protections as per guidance from the United States Department of Education. To review this document, click here: https://edsurveys.rti.org/sedinfo/Content/pdf/FERPA_Letter_SED.pdf.

Thank you for your continued assistance and support for this important national survey.

Sincerely,

Kelly H. Kang
Project Officer
Survey of Earned Doctorates
National Center for Science and Engineering Statistics
National Science Foundation

SED data are being collected under contract by [RTI International](#), a nonprofit research organization, for NSF.

GRADUATE SCHOOL DEAN THANK YOU LETTER (SENT WITH 2021 SED DATA)

<Date>

<Salutation> <Fname Lname>

<Institution_Name>

<School_Name>

<Address 1>

<Address 2>

<City, State Zip>

Dear <Salutation> <Lname>:

On behalf of the National Science Foundation (NSF) and the other federal sponsors of the Survey of Earned Doctorates (SED), I would like to thank you for your institution's support of the SED.

The 2022 SED data collection ended a few months ago, and I want you to know how much we appreciate you and your colleagues at «institution_name», especially «contact1_first_name» «contact1_last_name», «contact2_first_name» «contact2_last_name», the university contact(s) for assistance on the SED. Your support and the work of your staff contribute to making the SED a rich and valuable database on doctoral educations.

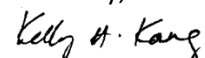
Enclosed is the *Doctorate Recipients from U.S. Universities* report with the results from the 2024 SED (academic year ending June 30, 2024). This report provides information on major trends in doctoral education and addresses important question about doctorate recipients. The online version of the report, plus additional data tables can be found at: <http://www.nsf.gov/statistics/sed/>.

Also enclosed is a profile of your institution's research doctorate recipients from the 2022 SED. The profile includes statistics on the demographic characteristics, debt status, and postdoctoral plans of your doctorate recipients, with comparisons to national-level data and to data from peer institutions in the same Carnegie classification.

Your institution's profile may be of limited use if many of your institution's doctorate recipients did not respond to the SED. At the bottom of the first page of the profile is a "response rate" calculation so that you can gauge your doctorate recipients' participation level in the SED (national average response rate is 92 percent). Each institution's contribution to attaining the highest response rate possible maximizes the usefulness of SED data.

Again, our thanks to you and your staff for helping to make the SED a success. We look forward to continued collaboration with your institution on the SED.

Sincerely,



Kelly H. Kang

Project Officer

Survey of Earned Doctorates

National Center for Science and Engineering

Statistics National Science Foundation

cc: Coord 1, Coord 2

New Institution Graduate School Dean Letter

[DATE]

[Dean FirstName LastName]

[Dean Title]

[School Name]

[Address 1]

[Address 2]

[City, State Zip]

Dear [Dean Title] [Dean LastName],

Based on a recent review of the research doctoral degree programs at [School Name], we have identified your institution's [ProgramName] as eligible for the Survey of Earned Doctorates (SED). I am writing to provide you with an overview of the SED.

The SED is an annual census of U.S. research doctoral degree recipients, sponsored by the National Science Foundation, the National Institutes of Health, the Department of Education, and the National Endowment of Humanities. The SED provides valuable information to policymakers and leaders in higher education about the characteristics of doctorate recipients and investments in graduate student support. Data collection activities are currently contracted to RTI International. To view the latest SED annual report, please go to <https://nces.nsf.gov/pubs/nsf23300>

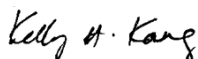
The survey asks recent doctoral graduates about their educational history, post-graduation plans, and demographic information. The survey data are aggregated into a profile for each institution, allowing you to assess doctorate trends within your institution as well as those at other peer institutions. I am enclosing a brochure with additional information about the survey.

The SED maintains extremely high response rates (92%) every year with the support of all doctorate granting institutions in the U.S. Your institution is invited to participate in the SED by:

- Providing a list of all research doctoral degree recipients for each commencement from [School Name] for us to establish an accurate survey frame of the graduates;
- Distributing the SED web survey URL to all graduates who earned a research doctorate in the current academic year (July 1, 2023 – June 30, 2024); and
- Providing contact information for graduates who did not respond to the SED so that we can follow up with a reminder to complete the survey.

At this time, we would like to request your nomination of an Institution Contact who can oversee the SED administration at your institution. Please contact us at sed@rti.org or (877) 256-8167 with the nominee's contact information and any questions you may have. Thank you in advance for your participation and support of the SED.

Sincerely,



Kelly H. Kang

SED Project Officer

National Center for Science and Engineering Statistics

National Science Foundation



SED
Survey of Earned Doctorates

Uses of the Data and Best Practices



Uses of the Survey of Earned Doctorates (SED)

The Survey of Earned Doctorates (SED) is an accurate, timely source of information on our nation's research doctorates. The SED uniquely provides comprehensive information on the educational history and early career commitments of recent U.S. educated doctorate recipients. The resulting information is a valuable resource for government agencies, universities, professional societies, academic researchers, policymakers, program evaluators, and individuals doing research in science policy, graduate education, economics, and human resource planning.

Each academic year, the results of the SED become part of the Doctorate Records File (DRF), a complete database of more than 2 million U.S. educated doctorate recipients from 1921 to the present.

The National Science Foundation and collaborating agencies have made extensive use of the SED. Detailed tables, tabulations, and data are used by these agencies in program planning and evaluation, policy development, and dissemination.

Academic Institutions Uses of the SED Data

The nation's doctorate-granting institutions not only provide SED data but also use the data. Each year since 1997, NCSES has provided the dean of each graduate school a profile of their doctorate recipients' demographic characteristics, debt status, postgraduation plans, employment, and other activities, compared with national and peer-institution data.

Graduate and baccalaureate institutions use SED data for program planning, comparison with other institutions or with national figures, and in the development of affirmative action plans. The number of SED research doctorates awarded to racial/ethnic minorities by field of study is used extensively by institutions as the only reliable source on the diversity of the potential pool of applicants for academic employment positions.

Below are specific examples of how academic institutions utilize Survey of Earned Doctorates (SED) data, methods, and instrumentation:



•Institutional reporting, particularly useful in understanding:

- Graduate experiences to improve program design
- Employment placement information/career outcomes
- Graduate debt and financial impact on students
- Graduate demographics
- Postgraduation plans by race/ethnicity and field of study
- Postgraduate career outcomes
- Graduate funding sources



•Instrumentation

- Comparisons between institutional instrumentation and SED instrumentation, allowing for consistency across data output
- Corroborate institutionally collected data and summarization



•Data Comparisons between institutional level data and national level data



•Supplement to other survey results such as the Council of Graduate Schools (CGS) [PhD Career Pathways project](#)



•Custom table creation (for specific examples, see the Figures 1 and 2 on following page)

Data Visualizations Utilizing Survey of Earned Doctorates (SED) Data:

Figure 1: Example of an Institution's Primary Research Doctorate Funding Source Trends

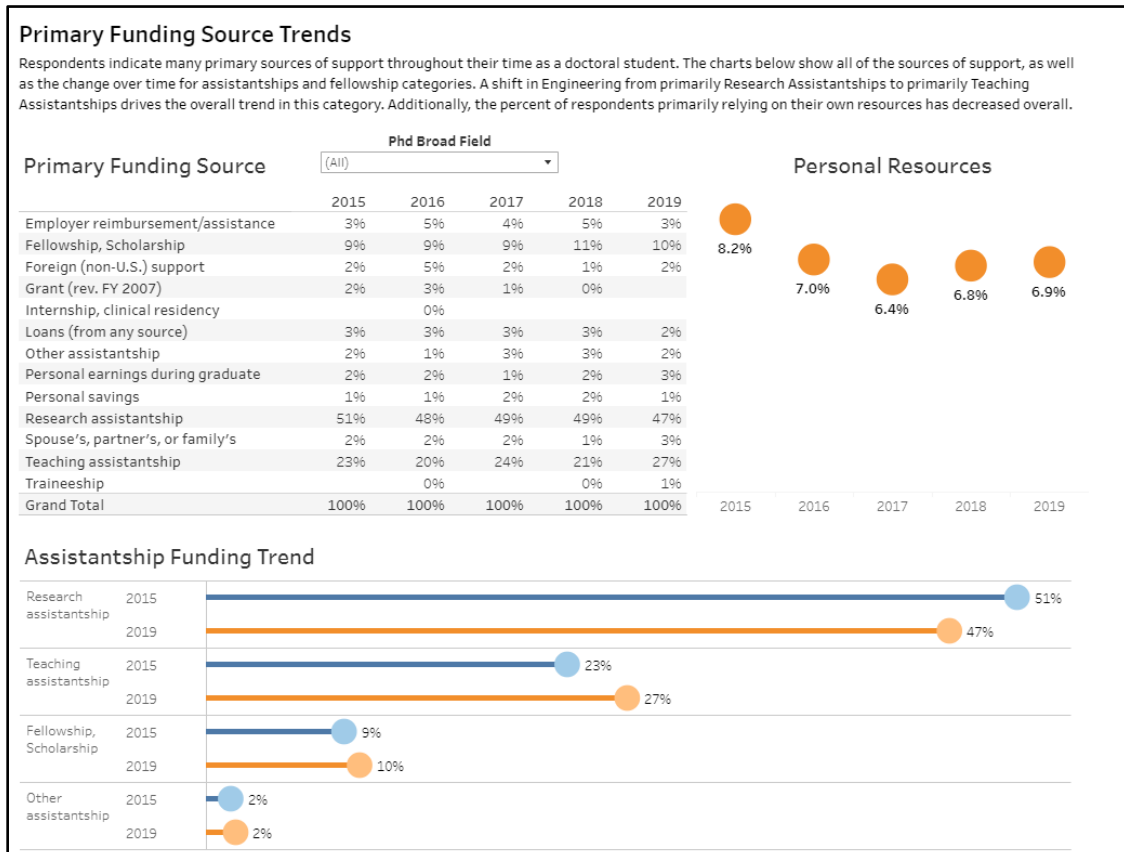
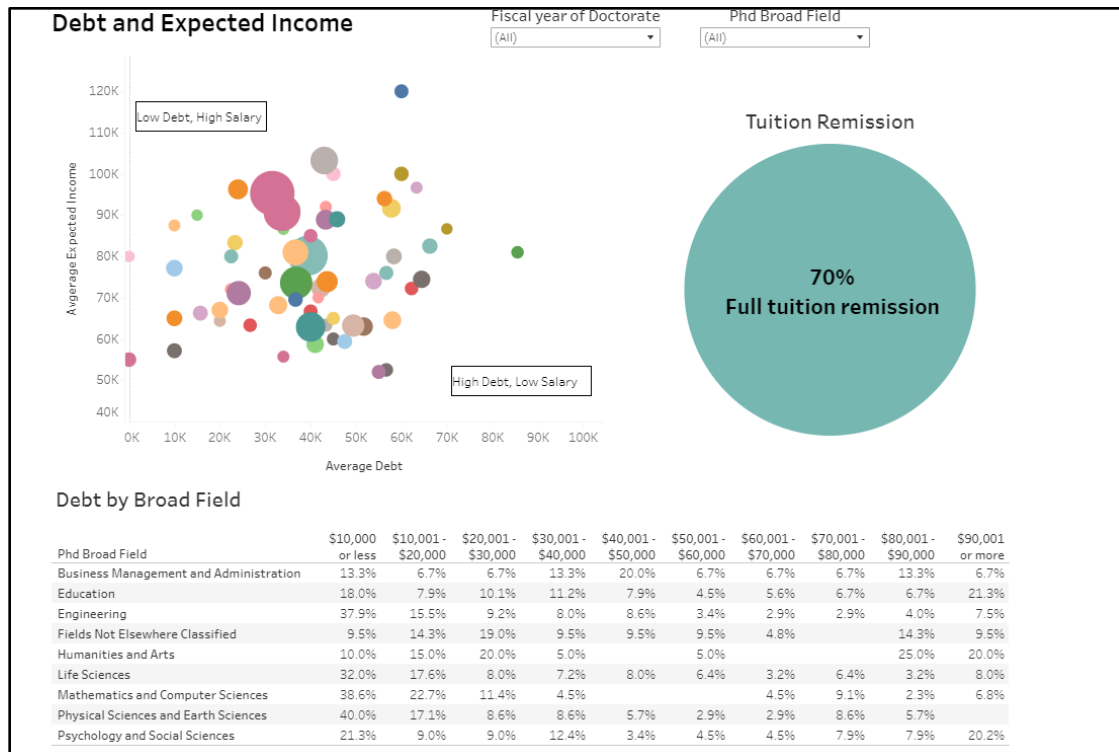


Figure 2: Example of an Institution's Research Doctorate Debt and Expected Income



The National Science Foundation SED Publications

The Survey of Earned Doctorates produces standard data products annually.

The Baccalaureate-Origins of U.S. Research Doctorate Recipients report provides tables with counts of doctorate recipients from each baccalaureate-origin institution, including U.S. and non-U.S. institutions. Counts are classified by broad field of doctoral study, sex, citizenship status, and race/ethnicity for the most recent available academic year. This report also includes tables with counts of doctorate recipients from each baccalaureate-origin institution over a five-year span, sorted by the Carnegie classification for U.S. institutions. All tables include ranks based on the counts.

Similarly, detailed tables and data files are available to the doctorate-granting institutions that participate in the SED (see the data products link below). These detailed tables include the institution's DRF and preliminary data files.

For additional information on these reports go to:

<https://sedsurvey.org/DataUsers/DataProducts>

There is no public-use SED data file available currently; however, selected SED data items are available to the public via web through the [NCSES Interactive Data Tool](#). The new [SED Restricted Data Analysis System \(RDAS\)](#) is an online data tool designed to expand public access to the SED data. The SED RDAS data is based on a sample subjected to statistical procedures to produce estimates that reflect the entire population of doctorate recipients and protect the confidentiality of individual level data. The RDAS provides a secure platform to access a comprehensive set of SED variables.

NCSES publishes detailed statistical tables each December (12 months after the close of data collection for the previous academic year), followed by additional statistical reports. In addition, organizations and individuals can request special tabulations from NCSES or the survey contractor. Lastly, researchers at U.S. institutions may gain access to the Doctorate Record File (DRF) by completing a NCSES [Restricted-Use Data Licensing Agreement](#).

Special survey data tabulations constitute a key resource in meeting NSF policy and program needs.

Below are specific examples of how the NSF uses Survey of Earned Doctorates (SED) data:



- NSF's Congressionally-mandated biennial reports, [Science and Engineering Indicators](#), and [Women, Minorities and Persons with Disabilities in Science and Engineering](#).



- [Academic Institution Profiles](#) and [Science and Engineering State Profiles](#) websites.



- Presentations of data on doctorates awarded to minorities and women to the National Science Board and the Committee on Equal Opportunities in Science and Engineering (CEOSE) for examining the participation of these groups in graduate education.



- Improvements in support of the Careers of Doctorate Holders project, an international effort led by the Organization for Economic Co-operation and Development (OECD) of the quality and comparability of international data on doctorate holders.



- Information to outside users at the national level, including the White House Office of Science and Technology Policy and the National Academy of Sciences.



- The universe frame for sample selection of doctoral scientists and engineers for the NCESE' Survey of Doctorate Recipients (SDR).



- Programs within NSF, especially those dealing with women, minorities, and persons with disabilities, use data from the SED for program planning. For instance, NSF's Graduate Research Fellowship Program (GRFP) has used SED information on those who complete a PhD to evaluate the effectiveness of the GRFP and its design requirements. While most NSF programs focus on U.S. citizens, SED data on foreign citizens studying in the U.S. for their PhD are also useful for international comparisons and for quantifying the attraction of U.S. graduate education around the world.



- Publication of detailed statistical tables and reports on science and engineering doctorates. The first report to be released each year is available publicly in December, 12 months following the close of data collection from the previous academic year. The most recent report, 2019, may be found [here](#). Additional reports follow, providing more detailed data or additional analysis of the results from the SED.

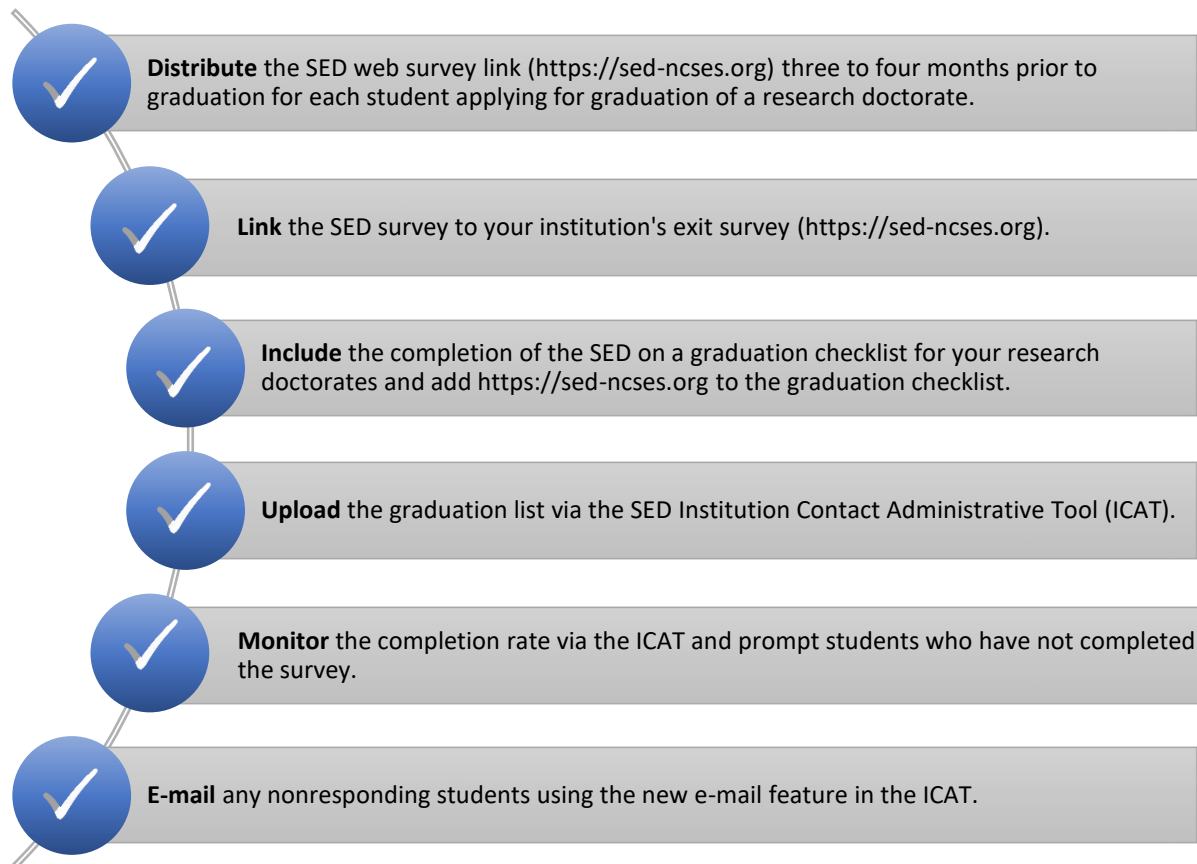
Recent Publications Using the SED Data

- Radomir Ray Mitic & Christian P.L. West, Council of Graduate Schools (2021) "Selected Insights from the Latest NSF Survey of Earned Doctorates Data"
- Okahana, H., Zhou, E., & Gao, J. (2020). *Graduate enrollment and degrees: 2009 to 2019*. Council of Graduate Schools.
- Langin, Katie. "For new PhD recipients, postgraduation employment numbers are on the rise." *Science*, December 2018
- Jackson, Joanna R., et al. "Graduation and Academic Placement of Underrepresented Racial/Ethnic Minority Doctoral Recipients in Public Health Disciplines." *Public Health Reports*, November 2018
- Deen, Lango. "Investing in STEM and Scholarship., *U.S. Black Engineers*, October 2018
- Kahn, Shulamit, MacGarvie, Megan. "Immigration Policy and Stay Rates of STEM PhDs.", *International Conference on Science and Technology Indicators (STI 2018)*, September 2018
- "America's Top Colleges 2018." *Forbes*, August 2018
- Brown-Podgorski, Brittany L., et al. "Employment Trends Among Public Health Doctoral Recipients." *Research and Practice*, July 2018
- Goldstone, Heather, Partan, Elsa. "Lack of Progress on Diversity in the Sciences." *Cape, Coast, and Islands NPR*, July 2018
- Kniffin, Kevin M., Hanks, Andrew S. "The Trade-Offs of Teamwork Among STEM Doctoral Graduates." *American Psychologist*, May 2018
- Bernard, Rachel E., Cooperdock, Emily H.G. "No Progress on Diversity in 40 Years." *Nature Geoscience*, May 2018
- Jones, Todd R., Ehrenberg, Ronald G. "Are High-Quality PhD Programs at Universities Associated with More Undergraduate Students Pursuing PhD Study?" *Cornell Higher Education Research Institute*, April 2018
- Flaherty, Colleen. "How New Humanities PhDs Fare." *Inside Higher Ed*, June 2018; Redden, Elizabeth. "Will U.S. Restrict Visas for Chinese Students." *Inside Higher Ed*, March 2018
- Reys, Robert. "Doctoral Programs in Mathematics Education: Should Programs be Accredited?" *Journal of Mathematics Education*, Spring 2018
- Baum, Sandy, Steele, Patricia. "After Graduate and Professional School: How Students Fare in the Labor Market." Urban Institute, February 2018
- ScienceDirect, Audrey Jaeger and Alessandra J. Dinin, "The Postdoc Landscape: The Invisible Scholars", October 2017

How To Obtain a High SED Response Rate

A high response rate among institutions and graduates is essential to the statistical integrity of the data. High-quality data ensure that analyses and policy decisions are based on all research doctorate recipients. Further, participation in the SED ensures your institution's doctorate recipients are represented in the Doctorate Records File, a data bank on U.S. doctorate recipients reaching back to 1920.

Below are suggested actions to aid in obtaining a high SED response rate:



Recent SED Universe and Response Rates

SED AY 2019:

Of the 55,703 individuals granted a research doctorate in 2019, 92.1% completed the SED.

SED AY2020:

Of the 55,283 individuals granted a research doctorate in 2020, 92.1% completed the SED.

SED AY 2021:

Of the 52,250 individuals granted a research doctorate in 2021, 91.5% completed the SED

