

Form Approved
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DERT Extramural Grantee Data Collection Survey

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. 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. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: NIH, Project Clearance Branch; 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (0925-0657). Do not return the completed form to this address.

DEMOGRAPHICS AND BACKGROUND INFORMATION

Grant Number: _____

How did you learn about this funding opportunity?

- NIEHS Website
- Grants.gov
- Social Media (Twitter, Linked In, etc.)
- Colleague/Word of Mouth
- Conference/Webinar
- University-based Resource (Tech Transfer Office)
- Federal Register

What is your age?

- <30
- 30-39
- 40-49
- 50-59
- 60+

What degrees do you hold? *(Please check all that apply)*

- AB, BA, BS, BSc
- MA, MS, MHS, MPH, MPA, MED, MSIH
- PhD, Sc.D, DSc
- MD
- Other clinical degree (e.g. DO, DDS, MBBS, RN)
- Other please specify _____
- None

In what year did you receive your highest degree? _____ (drop down menu)

What is your current position?

How long have you held that position? _____ Years _____ Months

In what type of research do you engage? *(Please check all that apply)*

| <p>Indicate whether you research in a specific area was basic or applied <i>(Please check all that apply)</i></p> | <table border="0"> <thead> <tr> <th style="text-align: left;">Basic</th> <th style="text-align: left;">Applied</th> <th></th> </tr> </thead> <tbody> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Biochemistry</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Biophysics</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Botany</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Cellular biology</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Ecology</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Environmental Sciences</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Epidemiology/Human or Cohort studies (new association between biological, social, and/or behavioral states determined)</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Epigenetics</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Genetics (GWAS)</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Immunology</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Medicine</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Microbiology</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Molecular biology</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Neuroscience</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Physiology</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Toxicology</td></tr> <tr><td><input type="checkbox"/></td><td><input type="checkbox"/></td><td>Other please specify_____</td></tr> </tbody> </table> | Basic | Applied | | <input type="checkbox"/> | <input type="checkbox"/> | Biochemistry | <input type="checkbox"/> | <input type="checkbox"/> | Biophysics | <input type="checkbox"/> | <input type="checkbox"/> | Botany | <input type="checkbox"/> | <input type="checkbox"/> | Cellular biology | <input type="checkbox"/> | <input type="checkbox"/> | Ecology | <input type="checkbox"/> | <input type="checkbox"/> | Environmental Sciences | <input type="checkbox"/> | <input type="checkbox"/> | Epidemiology/Human or Cohort studies (new association between biological, social, and/or behavioral states determined) | <input type="checkbox"/> | <input type="checkbox"/> | Epigenetics | <input type="checkbox"/> | <input type="checkbox"/> | Genetics (GWAS) | <input type="checkbox"/> | <input type="checkbox"/> | Immunology | <input type="checkbox"/> | <input type="checkbox"/> | Medicine | <input type="checkbox"/> | <input type="checkbox"/> | Microbiology | <input type="checkbox"/> | <input type="checkbox"/> | Molecular biology | <input type="checkbox"/> | <input type="checkbox"/> | Neuroscience | <input type="checkbox"/> | <input type="checkbox"/> | Physiology | <input type="checkbox"/> | <input type="checkbox"/> | Toxicology | <input type="checkbox"/> | <input type="checkbox"/> | Other please specify_____ |
|---|--|--|-------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------------------|--------------------------|-----------------------|--------------------------|--------------------------|--------------------------|---------------------------|--------------------------|---------|--------------------------|--------------------------|------------------------|--------------------------|--------------------------|--|--------------------------|--------------------------|-------------|--------------------------|--------------------------|-----------------|--------------------------|--------------------------|------------|--------------------------|--------------------------|----------|--------------------------|--------------------------|--------------|--------------------------|--------------------------|-------------------|--------------------------|--------------------------|--------------|--------------------------|--------------------------|------------|--------------------------|--------------------------|------------|--------------------------|--------------------------|---------------------------|
| Basic | Applied | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Biochemistry | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Biophysics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Botany | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Cellular biology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Ecology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Environmental Sciences | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Epidemiology/Human or Cohort studies (new association between biological, social, and/or behavioral states determined) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Epigenetics | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Genetics (GWAS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Immunology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Medicine | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Microbiology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Molecular biology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Neuroscience | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Physiology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Toxicology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | Other please specify_____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>If your research was applied...What types of applied research? <i>(Please check all that apply)</i></p> | <table border="0"> <tbody> <tr><td><input type="checkbox"/></td><td>Clinical Research</td></tr> <tr><td><input type="checkbox"/></td><td>Public Health Research</td></tr> <tr><td><input type="checkbox"/></td><td>Health Services Research</td></tr> <tr><td><input type="checkbox"/></td><td>Intervention Research</td></tr> <tr><td><input type="checkbox"/></td><td>Program or Policy Research</td></tr> <tr><td><input type="checkbox"/></td><td>Technology Innovation</td></tr> <tr><td><input type="checkbox"/></td><td>Translational Research</td></tr> <tr><td><input type="checkbox"/></td><td>Other please specify_____</td></tr> </tbody> </table> | <input type="checkbox"/> | Clinical Research | <input type="checkbox"/> | Public Health Research | <input type="checkbox"/> | Health Services Research | <input type="checkbox"/> | Intervention Research | <input type="checkbox"/> | Program or Policy Research | <input type="checkbox"/> | Technology Innovation | <input type="checkbox"/> | Translational Research | <input type="checkbox"/> | Other please specify_____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Clinical Research | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Public Health Research | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Health Services Research | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Intervention Research | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Program or Policy Research | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Technology Innovation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Translational Research | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | Other please specify_____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FUNDING

Please indicate which sources of selected science portfolio-related funding you have had during your career to date.

| Funding Source | Please check all sources of selected science portfolio - related funding (Please select all that apply) | | Please indicate which funding source was the primary funder for this research. | |
|---|---|--------------------------|--|--------------------------|
| | Career | Last 10 years | Career | Last 10 years |
| NIEHS | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| NHLBI | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| NIAID | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| NICHD | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other NIH | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| CDC | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| AHRQ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| FDA | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| EPA | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| HUD | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| NSF | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other US government (not listed above) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Foundations | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Industry | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| University discretionary/ start-up funds | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Local, state or regional government | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other, specify _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

For your NIH-funded selected science portfolio research, please indicate which types of funding you have received. (Please check all that apply).

- Research (e.g., R01, R03, R21)
- Program/Center (e.g., M, P and U awards)
- Career Development Individual (e.g., K awards; R23, R29)
- Fellowships (e.g., F awards)
- Institutional Training (e.g., T32)
- Technology Development (e.g., SBIR, STTR; R41-44, N43-44, U43-44)
- Other funding type (specify): _____

Please describe if and how you have used NIEHS funds to leverage other resources, including monetary and non-monetary support. _____

OUTPUTS

Research Outputs

Please indicate which of the following research outputs you have produced as part of this project and provide a brief description:

| Research Output | Check all that apply: | Provide a brief description. |
|---|---|------------------------------|
| Animal Models | <ul style="list-style-type: none"> ● Animal model developed | |
| Biological Materials | <ul style="list-style-type: none"> ● Biological material or application identified or developed as a result of the research study | |
| Clinical Products | <ul style="list-style-type: none"> ● Medication, drug compounds, clinical devices (includes development and testing of these products) | |
| Databases, Software, Algorithms | <ul style="list-style-type: none"> ● Database resulting from the research study | |
| | <ul style="list-style-type: none"> ● Software resulting from the research study | |
| | <ul style="list-style-type: none"> ● Algorithm resulting from the research study | |
| License Agreements | <ul style="list-style-type: none"> ● License agreement executed for intellectual property generated by the research study. | |
| Measurement Instruments, Assays & Methods | <ul style="list-style-type: none"> ● Measurement instrument developed by the research study | |
| Research Data (public or restricted) | <ul style="list-style-type: none"> ● Research data generated by the research study | |
| Economic Outcomes | <ul style="list-style-type: none"> ● Research study findings result in a cost-effective intervention for a disease, condition, or disorder | |
| | <ul style="list-style-type: none"> ● Research study findings result in enhancement of existing resources and expertise | |
| | <ul style="list-style-type: none"> ● Research study findings result in increased performance, quality, and consistency in the delivery of health care services | |
| Health Care Outcomes | <ul style="list-style-type: none"> ● Research study findings result in clinically effective approach in the management and treatment of a disease, disorder or condition | |
| Quality of Life | <ul style="list-style-type: none"> ● Research study findings leads to enhancement of well-being among community members | |

Knowledge Transfer Outputs

Please indicate which of the following knowledge transfer outputs you have produced as part of this project and provide a brief description:

| Knowledge Transfer Output | Check all that apply: | Provide a brief description. |
|--|---|-------------------------------------|
| Alternative/ Informal Dissemination | ● Research study is referred to or cited in a blog, tweet, wiki or other alternative mode of dissemination. | |
| | ● Research study is cited in a presentation, speech or teaching materials. | |
| Biological Materials | ● Subsequent use of a particular biological material or application of the material generated by the research study in a bench study (basic science) or clinical trial study. | |
| | ● Preclinical data generated in support of investigational new drug (IND) application or to the receipt of an IND. | |
| | ● Clinical data generated in support of marketing a biological material (Biologic License Application) generated by the research study. | |
| Clinical Guidelines | ● The clinical guideline refers to the research study or recommends the study for background readings. | |
| Curriculum Guidelines | ● The curriculum guideline refers to the research study or recommends the study for background readings. | |
| License Agreements | ● License agreement granted for use of intellectual property generated by the research study. | |
| Mass Media | ● Mass media publication refers to the research study. | |
| Material Transfer Agreements (MTA) | ● MTA executed for transfer of tangible property generated by the research study. | |
| Medical Devices | ● Clinical trial study testing of a medical device generated by the research study. | |
| | ● Clinical data generated in support of marketing a medical device (510(k); Investigational Device Exemption, IDE; or Premarket Approval, PMA) generated by the research study. | |
| Meta-Analyses | ● Research study cited in a meta-analysis. | |

| Knowledge Transfer Output | Check all that apply: | Provide a brief description. |
|------------------------------------|--|-------------------------------------|
| Pharmaceutical Preparations | <ul style="list-style-type: none"> ● Subsequent use of a drug generated by the research study in a bench study (basic science/preclinical) or clinical trial study, including application and/or receipt of an Investigational New Drug Application (IND) from the FDA. | |
| | <ul style="list-style-type: none"> ● Clinical data generated in support of marketing a drug (Drug Application, NDA; Abbreviated New Drug Application, ANDA; or 505(b)(2)) generated by the research study. | |
| Ancillary Research Studies | <ul style="list-style-type: none"> ● Ancillary research study generated as a result of the research study. | |
| New Research Studies | <ul style="list-style-type: none"> ● New research study generated as a result of the research study. | |
| Subject Headings/ Thesauri | <ul style="list-style-type: none"> ● New subject heading or thesauri term or phrase resulting or related to the research study is applied. | |

Career Development Outputs

| Career Development Output | Check all that apply: | Provide a brief description. |
|---|---|-------------------------------------|
| University Leadership Positions | <ul style="list-style-type: none"> ● Serve as Center Director, Department Chair, or other university leadership position | |
| Organizational/ Conference Leadership Position | <ul style="list-style-type: none"> ● Serve as conference chair, organizational leader (Society of Toxicology, International Society of Environmental Epidemiology, etc.) | |
| Nominated for Membership in Prestigious Organization | <ul style="list-style-type: none"> ● Nominated for membership in prestigious organization such as Institute of Medicine, American Association for Advancement of Science, etc. | |
| Employment Promotion | <ul style="list-style-type: none"> ● Received promotion to higher level of employment, such as next level of professor, or scientist | |
| Obtained Tenure Status | <ul style="list-style-type: none"> ● Obtained tenure status for research or teaching position | |
| Trained or Mentored Students | <ul style="list-style-type: none"> ● Served as a mentor or trained students in the field of selected science portfolio | |
| Additional Training or Certification Received | <ul style="list-style-type: none"> ● Obtained additional training (K awards) or certifications within the field of environmental health science | |

Training/Certifications Outputs

| Career Development Output | Check all that apply: | Provide additional information. |
|---|---|--|
| Teaching | <ul style="list-style-type: none">● Taught courses in the area of the selected science portfolio | Number of courses taught: Number of students taught: Description of courses taught: |
| New Investigators Recruited to NIEHS | <ul style="list-style-type: none">● Recruited new investigators to submit applications to NIEHS | Number of new investigators recruited (new investigator has not previously had a substantial NIH award such as an R01, P30, etc.): |
| Young Investigators Recruited to NIEHS | <ul style="list-style-type: none">● Recruited early stage investigators to submit applications to NIEHS | Number of early stage investigators recruited (early stage investigators are within 10 years of their terminal degree or medical residency): |

Describe the approaches you used to include/advance young investigators.

Which of these approaches was most effective?

Describe why.

Describe the barriers you face to training the next generation of NIEHS scientists.

Dissemination Outputs

Please indicate which of the following mechanisms you have used to disseminate related knowledge and products stemming from your research. (*Please check all that apply*).

- Published in peer-reviewed **journals**
- Presented at scientific **conferences**
- Participated in **grantee meetings**
- Developed and disseminated **curricula**
- Developed and disseminated **interventions**
- Participated in the development of **clinical guidelines**
- Developed and disseminated research **tools and methods**
- Participated in **workshops or trainings** disseminating your research
- Provided scientific **testimony and briefings** to legislators
- Developed and published **websites**
- Presented research in **community forums**
- Developed **fact sheets and pamphlets**
- Provided information for **press releases**
- Other, please specify: _____

As part of your research, you may have had the opportunity to engage with different types of individuals and groups. Please indicate what the nature of your personal engagement has been with each of the following groups. (Please check all that apply)

| Group | Share information | Conduct joint projects or activities | Serve on boards or advisory panels | Provide formal testimony | Serve as employee or consultant | No interaction |
|---|--------------------------|--------------------------------------|------------------------------------|--------------------------|---------------------------------|--------------------------|
| Other researchers | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| University administration / program directors | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Local, regional or national health officials | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Environmental regulators | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Food and drug regulators | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Legislators and staffers | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Business and industry representatives | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Housing and urban development agencies | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Advocacy groups | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Community groups | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other : _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Commercialization Outputs

We are interested in whether your selected science portfolio -related research, regardless of funding source, has led to the development of intellectual property.

Have you **applied** for one or more patents?

- Yes No

[IF YES] Provide the patent application number(s): _____

[IF YES] What is the nature of your **patents(s)**?

- New drug
- New use of drug
- Medical product or device
- Environmental controls and services
- New process or procedure
- New research method
- New gene
- Other please specify _____

Have you **commercialized** your innovation based on your patent(s)?

Yes No

[IF YES] How many units have you sold? _____
What is your total sales? \$ _____

Have you **licensed** your innovation(s)?

Yes No

Did any **Federal agencies support** this work?

Yes No

[IF YES] **Which other Federal agencies** supported this work?
(Please check all that apply)

| | |
|--|--------------------------|
| NIEHS | <input type="checkbox"/> |
| NHLBI | <input type="checkbox"/> |
| NIAID | <input type="checkbox"/> |
| NICHD | <input type="checkbox"/> |
| Other NIH | <input type="checkbox"/> |
| CDC | <input type="checkbox"/> |
| AHRQ | <input type="checkbox"/> |
| FDA | <input type="checkbox"/> |
| EPA | <input type="checkbox"/> |
| HUD | <input type="checkbox"/> |
| NSF | <input type="checkbox"/> |
| Other US government (not listed above) | <input type="checkbox"/> |

Have you spun-off or started a **new company** based on your research related to the selected science portfolio?

Yes No

Community Partnership Outputs

Describe any community outreach outputs produced by your project, such as Outreach visits, interventions, curriculums, etc.: _____

Describe the target audience (include specific numbers of people reached if possible):

Describe the goal of the community partnership: _____

Describe the ways community partners participated in the project: _____

Describe any leadership roles community partners had in the project: _____

IMPACTS

We are interested in assessing whether you think your research will have effects on long term outcomes (now or in the near future) through a variety of pathways, including clinical practice changes, reduced exposure to environmental hazards, or changes in public behavior and advocacy. For each of the following items, please mark the 'current' box if you believe your research has already affected change in this area and the 'future potential' box if you believe it has the potential to affect change in the next 10 years.

| Impact Area | Impact Timing |
|---|--|
| a. My research has led to greater understanding of selected science portfolio disease mechanisms Describe impact: | <input type="checkbox"/> Current <input type="checkbox"/> Future potential |
| b. My research has led to greater understanding of individual, social, and environmental factors associated with selected science portfolio Describe impact: | <input type="checkbox"/> Current <input type="checkbox"/> Future potential |
| c. My research has led to improved environmental measurement techniques Describe impact: | <input type="checkbox"/> Current <input type="checkbox"/> Future potential |
| d. My research has led to increased evidence regarding effective interventions Describe impact: | <input type="checkbox"/> Current <input type="checkbox"/> Future potential |
| e. My research has led to improved environmental control techniques Describe impact: | <input type="checkbox"/> Current <input type="checkbox"/> Future potential |
| f. My research has led to changes in education outcomes for clinical/public health students Describe impact: | <input type="checkbox"/> Current <input type="checkbox"/> Future potential |
| g. My research has led to changes in education outcomes for K-12 or families Describe impact: | <input type="checkbox"/> Current <input type="checkbox"/> Future potential |
| h. My research has led to changes in business practices regarding <u>selected science portfolio</u> Describe impact: | <input type="checkbox"/> Current <input type="checkbox"/> Future potential |
| Impact Area | Impact Timing |

i. My research has led to changes in environmental **standards or regulations for change to reflect selected science portfolio** Current Future potential

Describe impact:

j. My research has led to changes in environmental **policies for selected science portfolio** Current Future potential

Describe impact:

k. My research has led to changes in **clinical practice** relevant to **selected science portfolio** Current Future potential

Describe impact:

l. My research has led to changes in **public knowledge and practices** related to **selected science portfolio** prevention and control Current Future potential

Describe impact:

m. My research has led to increased **public advocacy** for **selected science portfolio** prevention and control Current Future potential

Describe impact:

n. My research has led to changes in behavior related to the field of **selected science portfolio** Current Future potential

SCIENTIFIC GOALS AND OBJECTIVES

Describe the key scientific findings associated with your funded research.

Describe the impact or potential impact of these findings on public health.

Describe the impact or potential impact of these findings on the field of XXX.

RFA Goals (if applicable)

The goals of the RFAs for this portfolio include: (list goals here.)

To what extent did your project address each of these goals?

Research Agenda

What **selected science portfolio** -related research topics would you like to see included among the NIEHS extramural research priorities over the next 5-10 years to address emerging science areas or areas where there are gaps in current research

RESEARCH COLLABORATIONS

Do/Did you collaborate with other grantees who are doing similar work? Yes/No

If so, describe the collaboration: _____

Is there a collaborator or partner that you would like to work with more? Yes/No

If so, who and why? _____

What has prevented you from pursuing that relationship? _____

Is there anything NIEHS can do to help facilitate that relationship? _____

PROGRAM SUPPORT

How satisfied are you with the support you received from program staff, such as grantee meetings, communications, etc.?

| | Everything was Great (5) | Mostly OK (4) | So-So (3) | Could have been better (2) | Provided little or no help (1) | Not Applicable |
|--|--------------------------|---------------|-----------|----------------------------|--------------------------------|----------------|
| Grantee meetings | | | | | | |
| Regular communication | | | | | | |
| Workgroups | | | | | | |
| Sharepoint sites or similar web-based sharing | | | | | | |
| Webinars | | | | | | |
| Data or sample sharing | | | | | | |
| Methods or technologies | | | | | | |
| Other activities provided based on program or portfolio selected | | | | | | |

What was the most beneficial type of support you received from program staff? And why?

Are there other support activities that NIEHS program staff could have provided that would have facilitated your research project? Yes/No

If yes, please describe: _____

IF COLLABORATIVE OR CONSORTIUM TYPE FUNDING:

Describe your participation in the current consortium.

In addition to your individual grant accomplishments, what do you see as the main accomplishments of the consortium efforts? (both methods and findings)

[if history of funding from NIEHS] How does your experience with this consortium model differ from other grants you have been involved with at NIEHS?

What do you see as the primary benefits with funding this research through a consortium?

What are the primary challenges associated with funding this research through a consortium?

To what extent have joint products emerged from the consortium (e.g., joint publications, presentations, new collaborations, shared datasets, new grants?)
What were the benefits and challenges involved in working on these joint products?

How satisfied are you with those efforts?

Do you anticipate continuing to collaborate with any of these consortium members after this grant is over? Please describe your plans.

LESSONS LEARNED *(Note to OMB: this section will be customized for each portfolio or program evaluation to address unique characteristics of the portfolio or program, such as the funding mechanism used or partnering and collaboration requirements. Potential questions are provided below.)*

Would you recommend that NIEHS use the consortium model in future funding announcements?

What (if anything) would you want to see done differently related to how the consortium was convened or managed?

Many grant programs today are specifically looking at research translation and the broader societal impacts of the use of research findings including informing regulation. Based on your experiences with this grant, what do you think is the best way to conduct research to translate findings to affect broader social impacts and/or to inform the regulatory process?

Are there any other lessons learned you would like to share regarding your participation in this grant?