

This funding opportunity was updated to align with agency priorities. Carefully reread the full funding opportunity and make any needed adjustments to your application prior to submission.

Part 1. Overview Information

The policies, guidelines, terms, and conditions of the HHS Centers for Disease Control and Prevention (CDC) stated in this Notice of Funding Opportunity (NOFO) might differ from those used by the HHS National Institutes of Health (NIH). If written guidance for completing this application is not available on the CDC website, then CDC will direct applicants elsewhere for that information.

14/09/20

due date is not a valid reason for a late submission, please reference [2025 Grants Policy Statement \(https://www.hhs.gov/ohrt/ohrt/2025-grants-policy-statement.pdf\)](#) for additional information.

Letters for Award Management (SAM) ([https://grants.nih.gov/grants/awards/letters-for-award-management.pdf](#)) Applicants must complete and maintain an active registration, which **requires renewal at least annually**. The renewal process may require as much time as the initial registration. SAM registration includes the assignment of a Commercial and Government Entity (CAGE) Code for domestic organizations which have not already been assigned a CAGE Code.

NIH Training and Education Opportunities ([https://grants.nih.gov/grants/education/](#)) Foreign organizations must obtain an NRCGE code (in lieu of a CAGE code) in order to register in SAM.

Unique Entity Identifier (UEI) A UEI is used as part of the SAM.gov registration process. The same UEI must be used for all registrations, as well as on the grant application.

eRA Commons ([https://grants.nih.gov/grants/eRACommons/](#)) Once the unique organization identifier is established, organizations can register with eRA Commons in tandem with completing their Grants.gov registration; all registrations must be in place by time of submission. eRA Commons requires organizations to identify at least one Signing Official (SO) and at least one Program Director/Principal Investigator (PD/PI) account in order to submit an application.

Grants.gov ([https://grants.nih.gov/grants/grants.gov/](#)) Applicants must have an active SAM registration in order to complete the Grants.gov registration.

Program Directors/Principal Investigators (PD/PIs)

All PD/PI(s) must have an eRA Commons account. PD/PI(s) should work with their organizational officials to either create a new account or to affiliate their existing account with the applicant organization in eRA Commons. If the PD/PI is also the organizational Signing Official, they must have two distinct eRA Commons accounts, one for each role. Obtaining an eRA Commons account can take up to 2 weeks.

Eligible Individuals (Program Director/Principal Investigator)

Any individual(s) with the skills, knowledge, and professional resources to carry out the proposed training and research as the Program Director(s)/Principal Investigator(s) (PD/PI(s)) is invited to work with his/her organization to develop an application for support.

Responsiveness

Upon receipt, applications will be evaluated for completeness of NHCIRB and COC/NIOSH. COC/NIOSH will review all applications for responsiveness. Incomplete and/or non-responsive applications will not be reviewed. The following criteria/questions will be used in determining responsiveness:

- Applications that exceed the allowable period of performance will be considered non-responsive and will not be reviewed. Applicants submitting a new application must request a period of performance of 3 years. Applicants submitting a revision application must not exceed the length of the current grant award and must be for a period of at least 2 years.
- Applications must include Academic Training Programs, an Evaluation and Planning Core, a Continuing Education Program, and an Outreach Program. For Academic Training Programs core disciplines are Industrial Hygiene, Occupational Health Nursing, Occupational Medicine Residency and Occupational Safety. At least 3 Academic Training Programs must be offered with 2 being core disciplines.
- For Academic Training Programs, applications must include at least 2 of the 3 academic programs identified as core disciplines are: Industrial Hygiene, Occupational Health Nursing, Occupational Medicine Residency and Occupational Safety.
- Applications must include Data Tables for each Academic Training Program (NIOSH Tables 1 and 2) and Continuing Education Program (NIOSH Table 3). More information on Data Tables may be found in Section IV. Application and Submission Information, 2. Content and Form of Application Submission, [Table 1: NIOSH Tables 1 and 2: Academic Training Programs](#) ([https://grants.nih.gov/grants/education/tables/tables1and2.pdf](#)). Applicants that do not provide Data Tables will be considered non-responsive and will not be reviewed.
- Applications must be able to award graduate and post-graduate degrees (if offering Occupational Medicine) as detailed under Section 1. Notice of Funding Opportunity Description, 2. Approach.
- The application's total cost (direct and indirect) for each 12-month budget period is within the ceiling of \$1.8 million. Applications that exceed this budget in any year will be considered non-responsive and will not be reviewed.
- The applicant's direct trainee cost requested for Academic Training Programs (in aggregate) must fit the 70/30 rule as described in ERIC Composition and Budget, Table 1. Summary of funding information for Academic Training Programs.

2. Cost Sharing

This NOFO does not require cost sharing as defined in the [2025 Grants Policy Statement \(https://www.hhs.gov/ohrt/ohrt/2025-grants-policy-statement.pdf\)](#).

3. Additional Information on Eligibility

Number of Applications

Only one application is allowed.

A current recipient or applicant of the NIOSH T30, Occupational Safety and Health Training Project Grants award is not eligible for an award or a sub-award under this Funding Opportunity Announcement.

COC/NIOSH will not accept duplicate or highly overlapping applications under review at the same time per [2025 Grants Policy Statement \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#).

This means that the COC/NIOSH will not accept:

- A new (A0) application that is submitted before issuance of the summary statement from the review of an overlapping new (A0) or resubmission (A1) application.
 - A resubmission (A1) application that is submitted before issuance of the summary statement from the review of the previous new (A0) application.
- In addition, COC/NIOSH will not accept any application it requests in this NOFO that is essentially the same as one previously reviewed, or as one currently pending initial peer review unless the applicant withdraws the pending application. Resubmission applications may be submitted, according to the Policy on Resubmission Applications from the SF 424 (R&R) Application Guide but must include an Introduction addressing the previous peer review critique (Summary Statement).

As defined in the [2025 Grants Policy Statement \(https://www.hhs.gov/ohrt/ohrt/2025-grants-policy-statement.pdf\)](#), applications received in response to the same notice of funding opportunity announcement generally are scored individually and then ranked with other applications under peer review in their order of relative programmatic, technical, or scientific merit. HHSCDC will not accept any application in response to this NOFO that is essentially the same as one currently pending initial peer review, unless the applicant withdraws the pending application. Resubmission applications may be submitted, according to the Policy on Resubmission Applications from the SF 424 (R&R) Application Guide but must include an Introduction addressing the previous peer review critique (Summary Statement).

Applications that are noncomplete or non-responsive to the eligibility criteria listed in this section will not be reviewed.

Section IV. Application and Submission Information

1. Requesting an Application Package

Applicants will use a system or platform to submit their applications through Grants.gov and eRA Commons to CDC, ASSIST, an institutional system to system (IS2S) solution, or Grants.gov Workspace are options. ASSIST is a commonly used platform because, unlike other platforms, it provides a validation of all requirements prior to submission and prevents errors.

To use ASSIST, applicants must visit [https://grants.nih.gov/grants/education/](#) where you can log in using your eRA Commons credentials, and enter the Notice of Funding Opportunity Number to initiate the application, and begin the application preparation process.

If you experience problems accessing or using ASSIST, you can refer to the [ASSIST Online Help \(https://www.era.nih.gov/assistance/\)](#). Additional support is available from the [NIH eRA Service Desk \(https://www.era.nih.gov/ehd/help\)](#).

E-mail: customersupport@nhi.nih.gov

Phone: 301-402-7469 or (toll-free) 1-866-504-9552

Hours: Monday - Friday, 7 a.m. to 6 p.m. Eastern Time, excluding Federal holidays

2. Content and Form of Application Submission

It is critical that applicants follow the [Table of Page Limits \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#) and the [Table of Page Limits \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#) in the [How to Apply - Application Guide \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#) except where instructed in this notice of funding opportunity to do otherwise and where instructions in the [How to Apply - Application Guide \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#) are directly related to the Grants.gov downloadable forms currently used with most COC/NIOSH opportunities. Confirmation to the requirements in the [How to Apply - Application Guide \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#) is required and strictly enforced. Applications that are out of compliance with these instructions may be delayed or not accepted for review.

The package associated with this NOFO includes all applicable mandatory and optional forms. Please note that some forms mandatory in the application package are required for submission of applications for this NOFO. Follow the instructions in the SF 424 (R&R) Application Guide to ensure you complete all appropriate optional components.

When using ASSIST, all mandatory forms will appear as separate tabs at the top of the Application Information screen; applicants may add optional forms available for the NOFO by selecting the Add Optional Form button in the left navigation panel.

Letter of Intent

Although a letter of intent is not required, it is helpful, and does not enter into the review of a subsequent application, the information allows NIOSH staff to estimate the potential review workload and plan the review.

By the date listed in [Table of Page Limits \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#), prospective applicants are asked to submit a letter of intent that includes the following information:

- Descriptive title of proposed activity; prospective applicants are asked to submit a letter of intent that includes the following information:
 - Names, e-mail addresses, and telephone numbers of the PI and PIs.
 - Participating institutions (s).
 - Number and title of this funding opportunity.
- The letter of intent should be sent to:

Michael Goldcamp, PhD
National Institute for Occupational Safety and Health
Email: goldcamp@cdc.gov

Required and Optional Components

A complete application has many components, both required and optional. The forms package associated with this NOFO in Grants.gov includes all applicable components for this NOFO, required and optional. In ASSIST, all required and optional forms will appear as separate tabs at the top of the Application Information screen.

Page Limitations

All page limitations described in the [How to Apply - Application Guide \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#) and the [Table of Page Limits \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#) must be followed.

Available Component Types	Page Limits for Research Training or Program Plan
Overall	15
Acad Train Program (Use for the Academic Training Programs)	15
Eval Plan Core (Use for the Evaluation and Planning Core)	10
Cont Ed (Use for Continuing Education Programs)	10
Outreach (Use for the Outreach Program)	10
PIAT Program (Use for the PIAT Project Research Training Program)	10
Targeted Research (Use for the Targeted Research Training Program)	15

Follow the additional page limits specified in the table.

Section of Application	Page Limits
Introduction to Resubmission and Revision Applications	1
Plan for Institution in the Responsible Contact for Research	1
Plan for Institution in Methods for Enhancing Reproducibility	1
Multiple PD/PI Leadership Plan	Not applicable for this funding opportunity announcement
Progress Report	1
Resubmission	1

Additional page limits described in the [SF 424 Application Guide \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#) and the [Table of Page Limits \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#) must be followed.

Progress Reports for all components are allowed. Progress Reports are limited to 5 pages in addition to the page limits listed in the table. For example, the Continuing Education Program has a page limit of 10 for the Program Plan, plus a 5-page limit for a Progress Report. Progress Reports for renewals can be submitted in line #6 of PHS 368 Research Training Program Plan, others may use line #16. If using PHS 368 Research Plan submit using line #11.

Note: References and NIOSH Data Tables are not included in the page limits.

Format for Attachments

Designed to maximize system-constructed validations, multiple separate attachments are required for a complete application. When the application is received by the agency, all submitted forms and all separate attachments are combined into a single document that is used by peer reviewers and agency staff. Applicants should ensure that all attachments are uploaded to the system.

CDC requires that all attachments to the Adobe application forms be submitted as PDFs and that all text attachments conform to the agency-specific formatting requirements noted in the SF 424 (R&R) Application Guide at [How to Apply - Application Guide \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#).

Application guides for FORMS-H application packages are posted to the [How to Apply - Application Guide \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#) page.

Submission Dates & Times

Part 1. Overview information contains information about key dates. Applicants are strongly encouraged to allocate additional time and submit in advance of the deadline to ensure they have time to make any corrections that might be necessary for successful submission. This includes the time necessary to complete the application resubmission process that may be necessary if errors are identified during validation by Grants.gov and the NH eRA systems.

The application package is not complete until it has passed the Grants.gov and eRA Commons submission and validation processes. Applicants will use a platform or system to submit applications.

ASSIST is a commonly used platform because it provides a validation of all requirements prior to submission. If ASSIST detects errors, then the applicant must correct errors before their application can be submitted. Applicants should view their applications in ASSIST after submission to ensure accurate and successful submission through Grants.gov. If the submission is not successful and post-submission errors are found, then those errors must be corrected, and the application must be resubmitted in ASSIST.

Applicants are able to access, view, and track the status of their applications in the eRA Commons.

Information on the submission process is provided in the SF-424 (R&R) Application Guide and ASSIST User Guide at [https://grants.nih.gov/grants/education/tables/tables1and2.pdf](#) and [https://grants.nih.gov/grants/education/tables/tables1and2.pdf](#).

Note: HHSCDC grant submission procedures do not provide a grace period beyond the grant application due date to correct any error or warning notices of noncompliance with application instructions that are identified by Grants.gov or eRA systems (e.g., error correction window).

Applicants who encounter problems when submitting their applications must attempt to resolve them by contacting the NH eRA Service Desk at: [https://grants.nih.gov/grants/education/tables/tables1and2.pdf](#).

E-mail: customersupport@nhi.nih.gov
Phone: 301-402-7469 or (toll-free) 1-866-504-9552
Hours: Mon-Fri, 7 a.m. to 6 p.m. Eastern Time (closed on Federal holidays)
Problems with Grants.gov can be resolved by contacting the Grants.gov Contact Center at:
Toll-free: 1-800-518-4726
<https://www.grants.gov/help/faq>
grantsgov@nhi.nih.gov
Hours: 24 hours a day, 7 days a week; closed on Federal holidays

It is important that applicants complete the application submission process well in advance of the due date time.

After submission of your application package, applicants will receive a "submission receipt" email generated by Grants.gov which will either validate or reject their submitted application package. A third and final e-mail message is generated once the applicant's application package has passed validation and the grantor agency has confirmed receipt of the application.

Unsuccessful Submissions: If an application submission was unsuccessful, the applicant must:

- Track submission and verify the submission status (tracking should be done initially rejection or success).
- If the status states "rejected" be sure to save time stamp, documented rejection notices, and do not re-submit.

- Check emails from both Grants.gov and NH eRA Commons for rejection notices.

- If the deadline has passed, please email the Grants Management contact listed in the Agency Contacts section of this announcement explaining why the submission failed.

- If there is time before the deadline, correct the problem(s) and resubmit as soon as possible.

Insert the date the application is due at [https://grants.nih.gov/grants/education/tables/tables1and2.pdf](#). The minimum period is 60 days from the NOFO publication date unless a waiver is approved.

Electronically submitted applications must be submitted no later than 11:59 p.m., ET on the listed application due date.

Instructions for the Submission of Multi-Component Applications

The following section supplements the instructions found in the [How to Apply - Application Guide \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#), and should be used for preparing a multi-component application.

Revision applications must include an Overall component and the components that are affected by the revision. Therefore, the component requirements listed below may not apply to the revision application.

The application should consist of the following components:

- Overall - Required.
- Academic Training Programs: Required, at least 3 academic programs, but no more than 10 academic programs.
- Note: Academic Training Programs will be listed in the final application in the order they were entered in ASSIST as Academic Training Program 1, Academic Training Program 2, Academic Training Program 3, etc.
- Evaluation and Planning Core: Required.
- Note: Emerging issues within the Evaluation and Planning Core is optional.
- Continuing Education Program: Required.
- Outreach Program: Required.
- PIAT Project Research Training Program: Optional.
- Targeted Research Training Program: Optional.

Overall Component

When preparing your application, use Component Type Overall.

All instructions in the [How to Apply - Application Guide \(https://grants.nih.gov/grants/education/tables/tables1and2.pdf\)](#) must be followed, with the following additional instructions, as noted.

SF 424 (R&R) Cover (Overall)

Complete entire form.

PHS 368 Cover Page Supplement (Overall)

Complete entire form.

Research & Related Other Project Information (Overall)

Follow standard instructions.

- Project Summary/Abstract: Provide a succinct summary of the proposed work for the entire Center. Typically, 30 lines or less. Identify academic programs as core or allied.
- Project Narrative: In 1-3 paragraphs, describe the nature of the training, research training (if applicable), continuing education, and outreach efforts proposed by the Center in the field of public health.
- Facilities and Other Resources: Provide a description of all resources for all proposed components in the Facilities and Other Resources attachment. The information will be used to evaluate the quality of the overall environment for the Center.
- Equipment: Do not include. Equipment should be identified in the appropriate components. Equipment that is shared across components should be described in the Evaluation and Planning Core. This is a training grant, and the purchase of equipment must be strongly justified and associated with strengthening and enriching the learning experience of the trainees.

Project/Performance Site Location(s) (Overall)

Enter primary site only.

A summary of Project/Performance Sites in the Overall section of the assembled application image in eRA Commons compiled from data collected in the other components will be generated upon submission.

R&R Senior/Key Person Profile (Overall)

Includes only the Center Director / Principal Investigator (PI). The Center Director should be an experienced leader in OSH and must be able to integrate, manage and provide guidance across all ERC programs proposed.

Each Senior / Key person, including Center Director / PI, is allowed one bio sketch for the entire application. If an individual is participating in multiple programs, attach the same bio sketch to any single component. The bio sketches must be comprehensive, covering multiple roles if an individual has different roles within the application.

A summary of Senior/Key Persons followed by their Biographical Sketches in the Overall section of the assembled application image in eRA Commons will be generated upon submission.

Budget (Overall)

The only budget information included in the Overall component is the Estimated Project Funding section of the SF 424 (R&R) Cover. New, renewal and revision applications should complete NIOSH Budget and FTE Tables found at [NIOSH Office of Extramural Program's website https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html](https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html); these pages do not count towards the page limits. Submit as a pdf under Other Attachments or Other Plans.

The preparation of the budget should follow the [CDC Budget Preparation Guidelines https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html](https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html).

A budget summary in the Overall section of the assembled application image in eRA Commons compiled from detailed budget data collected in the other components will be generated upon submission.

PHS 398 Research Plan (Overall)

Introduction to Application: For Resubmission and Revision applications ONLY, an Introduction to Application is required in the Overall component.

Specific Aims: Describe the aims of the overall ERC and outline how each component will contribute to these aims.

Research Strategy: Provide an overall description of the ERC addressing the burden of occupational injuries and illnesses within the region, the regional and national need for an ERC in their region and the ERC's impact or potential for impact to improve worker health, safety, and well-being. The narrative should address significance, investigators, innovation, approach, and environment.

Progress Report and Publications List: A five-page Progress Report is allowed. Related publications within the last 5 years for the overall proposed center, whether for new or renewal applications, should be attached.

Vertebrate Animals: Not applicable.

Select Agent Research: Not applicable.

Multiple-PDPI Leadership Plan: Not applicable.

Consortium / Contractual Arrangements: If applicable.

Letters of Support: Include signed letters of support or collaboration from participating institutions. These can be included in the overall component, or with specific components if closely related to the aims in those programs.

Resource Sharing Plan: Note: The Data Management and Sharing Plan will be attached in the Other Plan(s) attachment in FORMS-H application forms packages.

Individuals are required to comply with the instructions for the Resource Sharing Plans as provided in the SF 424 (R&R) Application Guide.

All applications, regardless of the amount of direct costs requested for any one year, should address a Data Sharing Plan.

Individuals are required to comply with the instructions for the Resource Sharing Plans as provided in the [Link to Appendix A Application Guide https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html](https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html).

Other Plans: Data Management Plan: Generally, not applicable for Training Grants.

Applicants that plan to collect public health data must submit a Data Management Plan (DMP) in the Other Plan(s) section of the PHS 398 Research Plan Component of the application. A DMP is required for each collection of public health data proposed. Applicants who contend that the public health data they collect or create are not appropriate for release must justify that contention in the DMP submitted with their application for CDC funds.

The DMP may be submitted in a narrative format or as a checklist but, at a minimum, should include:

- A description of the data to be collected or generated in the proposed project.
- Standards to be used for the collection or generated data.
- Mechanisms for providing access to and sharing of the data (include a description of provisions for the protection of privacy, confidentiality, security, intellectual property, or other rights - this section should address access to identifiable and de-identified data).
- A statement (required) of any limitations you may encounter with sharing data collected or generated under this award with CDC (such as legal, regulatory policy, or technical concerns).
- Statement of the use of data standards that all released data have appropriate documentation that describes the method of collection, what the data represent, and potential limitations for use; and
- Plans for archiving and long-term preservation of the data or explaining why long-term preservation and access are not justified (this section should address archiving and preservation of identifiable and deidentified data).

The AR-2C outlines the components of a DMP and provides additional information for investigators regarding the requirements for data accessibility, storage, and preservation. Examples of DMPs may be found at [USGHS https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html](https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html).

Authentication of Key Biological and/or Chemical Resources: Not applicable.

Appendix: Follow all instructions for the Appendix as described in the [Link to Appendix A Application Guide https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html](https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html). Do not use the appendix to circumvent page limits. A maximum of 5 PDF documents are allowed in the appendix. The number of pages in each PDF document should not exceed 10.

PHS Human Subjects and Clinical Trials Information (Overall)

Not applicable for Training Grants.

Academic Training Programs (Required)

When preparing your application, use Component Type Acad Train Program.

SF 424 (R&R) Cover (Academic Training Programs)

Complete only the following fields:

- Applicant Information
- Type of Applicant (optional)
- Descriptive Title of Applicant's Project (Indicate if the Academic Training Program is core or allied)
- Proposed Project Start/Ending Dates

PHS 398 Cover Page Supplement (Academic Training Programs)

R&R Other Project Information (Academic Training Programs)

Human Subjects: Answer only the Are Human Subjects Involved? and To the Project Exempt from Federal regulations? questions.

Vertebrate Animals: Answer only the Are Vertebrate Animals Used? question.

Project Narrative: Do not complete. Note: ASSIST screens will show an asterisk for this attachment indicating it is required. However, eRA systems only enforce this requirement in the Overall component and applications will not receive an error if omitted in other components.

Project (Performance Site Location(s)) (Academic Training Programs)

List all performance sites that apply to the specific component.

R&R Senior/Key Person Profile (Academic Training Programs)

The Academic Program Director should have the expertise to manage all aspects of the academic training program.

In the Project Director/Principal Investigator section of the form, use Project Role of Other with Category of Program Director and provide a valid eRA Commons ID in the Credential field.

In the additional Senior/Key Profiles section, list Senior/Key persons that are working in the component. Include a single Biographical Sketch for each Senior/Key person listed in the application regardless of the number of components in which they participate. When a Senior/Key person is listed in multiple components, the Biographical Sketch can be included in any one component.

PHS Human Subjects and Clinical Trials Information (Academic Training Programs)

Not applicable for Training Grants.

R&R Budget (Academic Training Programs)

Budget forms appropriate for the specific component will be included in the application package.

For each Academic Training Program complete E Participant/Trainee Support Costs.

For this NOFO, CDC / NIOSH requires a detailed budget for the initial budget year and a budget for each consecutive year of support.

A minimum of 70% of the Academic Training Programs budget must go to trainee costs that provide supplies, tuition and fees, and travel. A maximum of 30% of the Academic Training Programs budget may go to support training-related expenses that include salary support for faculty and staff, supplies, equipment, and non-travel travel. This 70/30 allocation of funding may be applied across all academic training programs in aggregate (core, allied and certificate programs) and need not be applied to each individual academic training program. This 70/30 allocation applies to direct costs.

If applicable, use SF 424 R&R Subaward Budget Attachment Forms for each consortium/subaward recipient.

The preparation of the budget should follow the [CDC Budget Preparation Guidelines https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html](https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html).

PHS 398 Research Training Program Plan (Academic Training Programs)

Introduction to Application: For Resubmission and Revision applications, an Introduction to Application is required for each component.

Training Program Section

Program Plan: Describe the Academic Training Program's strategy for an interdisciplinary, high-quality training experience for trainees. Provide details on the Academic Training Program and Environment, qualifications and strengths of the Training Program and Environment, Program Director and the Program Faculty, Trainees, and Training Record.

Plan for Instruction in the Responsible Conduct of Research: Describe the plan for instructing trainees on scientific integrity and ethical principles in research. Individuals are required to comply with the instructions for Plan for Instruction in the Responsible Conduct of Research as provided in the SF 424 (R&R) Application Guide.

Plan for Instruction in Methods for Enhancing Reproducibility: Not applicable.

Multiple PDPI Leadership Plan: Not applicable.

Progress Report: Describe the accomplishments of the Academic Training Program during the last period of performance for renewal applications. New applications should describe accomplishments over the past 5 years (if applicable). Summarize the accomplishments of the trainees, faculty, and key personnel. This should include responses to the program's previous review (if applicable). The Progress Report is limited to 5 pages.

Faculty, Trainees, and Training Record Section

Participating Faculty Bio Sketches: Follow instructions in SF 424 Application Packages.

Letters of Support: Provide letters of support that are specific to the Academic Training Program.

Data Tables: NIOSH Tables 1 and 2 for academic training programs are required and must be submitted as data tables. Found at [NIOSH Office of Extramural Program's website https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html](https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html); these

pages do not count towards the page limits. The tables capture data on past performance of the academic programs. Applicants should summarize, in the body of the application, key data from the NIOSH Tables that highlight the characteristics of the applicant pool, the educational and career outcomes of participants, and other factors that contribute to the overall positive impact and success of the program.

Other Training Program Section

Vertebrate Animals: Not applicable.

Select Agent Research: Not applicable.

Consortium / Contractual Arrangements: If applicable.

Other Plans: Data Management: Generally, not applicable for Training Grants.

Appendix: Do not use the appendix to circumvent page limits. Only documents that are key for the review of the program, such as course syllabi, course descriptions and survey results should be included. A maximum of 5 PDF documents are allowed in the appendix. The number of pages in each PDF document should not exceed 10. Additionally, up to 3 publications may be included that are not publicly available.

Follow all instructions for the Appendix as described in the [Link to Appendix A Application Guide https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html](https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html).

Evaluation and Planning Core (Required)

When preparing your application, use Component Type Eval Plan Core.*

All instructions in the SF 424 (R&R) Application Guide must be followed, with the following additional instructions, as noted.

SF 424 (R&R) Cover (Evaluation and Planning Core)

Complete only the following fields:

- Applicant Information
- Type of Applicant (optional)
- Descriptive Title of Applicant's Project
- Proposed Project Start/Ending Dates

PHS 398 Cover Page Supplement (Evaluation and Planning Core)

R&R Other Project Information (Evaluation and Planning Core)

Human Subjects: Answer only the Are Human Subjects Involved? and To the Project Exempt from Federal regulations? questions.

Vertebrate Animals: Answer only the Are Vertebrate Animals Used? question.

Project Narrative: Do not complete. Note: ASSIST screens will show an asterisk for this attachment indicating it is required. However, eRA systems only enforce this requirement in the Overall component and applications will not receive an error if omitted in other components.

Application guide states that Project Narrative is required. However, it is only required for the Overall component.

Project (Performance Site Location(s)) (Evaluation and Planning Core)

List all performance sites that apply to the specific component.

R&R Senior/Key Person Profile (Evaluation and Planning Core)

In the Project Director/Principal Investigator section of the form, use Project Role of Other with Category of Center Director and provide a valid eRA Commons ID in the Credential field. In the additional Senior/Key Profiles section, list Senior/Key persons that are working in the component. Include a single Biographical Sketch for each Senior/Key person listed in the application regardless of the number of components in which they participate. When a Senior/Key person is listed in multiple components, the Biographical Sketch can be included in any one component. The Center Director should be the lead for the Evaluation and Planning Core. The biographical sketch should indicate a strong capacity in managing a complex, multidisciplinary center.

PHS Human Subjects and Clinical Trials Information (Evaluation and Planning Core)

Not applicable.

R&R Budget (Evaluation and Planning Core)

Budget forms appropriate for the specific component will be included in the application package.

For this NOFO, CDC / NIOSH requires a detailed budget for the initial budget year and a budget for each consecutive year of support.

The budget for the Evaluation and Planning Core should include support for the required programs: Center Administration, Evaluation and Planning, Interdisciplinary Activities, Advisory Council, and Executive Committee. These are required components within the Evaluation and Planning Core. Applicants may request up to \$280,000 direct costs / year. An Emerging Issues Program is optional, and applicants may request up to \$50,000 direct costs / year.

The preparation of the budget should follow the [CDC Budget Preparation Guidelines https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html](https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html).

PHS 398 Research Plan (Evaluation and Planning Core)

Introduction to Application: For Resubmission and Revision applications, an Introduction to Application is required for each component.

Specific Aims: Describe the aims of the Evaluation and Planning Core.

Research Strategy: Provide an overall description of the Evaluation and Planning Core. The narrative should address significance, investigators, innovation, approach, and environment.

Progress Report and Publications List: A five-page Progress Report is allowed. Related publications within the last 5 years for the overall proposed center, whether for new or renewal applications, should be attached.

Vertebrate Animals: Not applicable.

Select Agent Research: Not applicable.

Multiple-PDPI Leadership Plan: Not applicable.

Consortium / Contractual Arrangements: If applicable.

Letters of Support: Include signed letters of support for the Evaluation and Planning Core.

Resource Sharing Plan: Note: The Data Management and Sharing Plan will be attached in the Other Plan(s) attachment in FORMS-H application forms packages.

Individuals are required to comply with the instructions for the Resource Sharing Plans as provided in the SF 424 (R&R) Application Guide.

All applications, regardless of the amount of direct costs requested for any one year, should address a Data Sharing Plan.

Individuals are required to comply with the instructions for the Resource Sharing Plans as provided in the [Link to Appendix A Application Guide https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html](https://www.cdc.gov/niosh/extramural-grants-and-funding/center-for-research-development.html).

Other Plans: Data Management Plan: Generally, not applicable for Training Grants.

Applicants that plan to collect public health data must submit a Data Management Plan (DMP) in the Other Plan(s) section of the PHS 398 Research Plan Component of the application. A DMP is required for each collection of public health data proposed. Applicants who contend that the public health data they collect or create are not appropriate for release must justify that contention in the DMP submitted with their application for CDC funds.

Authentication of Key Biological and/or Chemical Resources: Not applicable

Appendix: Follow all instructions for the Appendix as described in the [How to Apply - Application Guide \(https://grants.nih.gov/grants/how-to-apply-application-guide/redirect.cfm?cid=24260\)](#). Do not use the appendix to circumvent page limits. A maximum of 5 PDF documents are allowed in the appendix. The number of pages in each PDF document should not exceed 10.

Continuing Education Program (Required)

When preparing your application, use Component Type **Con Ed**.

SF 424 (R&R) Cover (Continuing Education Program)

Complete only the following fields:

- Applicant Information
- Type of Applicant (optional)
- Descriptive Title of Applicant's Project
- Proposed Project Start/Ending Dates

PHS 398 Cover Page Supplement (Continuing Education Program)

Research & Related Other Project Information (Continuing Education Program)

Project Performance Site Location(s) (Continuing Education Program)

List all performance sites that apply to the specific component.

R&R Senior/Key Person Profile (Continuing Education Program)

In the Project Director/Principal Investigator section of the form, use Project Role of Other with Category of Program Director and provide a valid eRA Commons ID in the Credential field. In the additional Senior/Key Profiles section, list Senior/Key persons that are working in the component. Include a single Biographical Sketch for each Senior/Key person listed in the application regardless of the number of components in which they participate. When a Senior/Key person is listed in multiple components, the Biographical Sketch can be included in any one component. The Continuing Education Program Director should have the expertise to manage all aspects of the Continuing Education Program successfully.

PHS Human Subject and Clinical Trials Information (Continuing Education)

Not applicable.

R&R Budget (Continuing Education Program)

Budget forms appropriate for the specific component will be included in the application package.

For this NCOF, CDC / NIOSH requires a detailed budget for the initial budget year and a budget for each consecutive year of support.

Applicants may request up to \$150,000 direct cost/year.

If applicable, use SF 424 R&R Subaward Budget Attachment Forms for each consortium/subaward recipient.

The preparation of the budget should follow the [CDC Budget Preparation Guidelines \(https://www.cdc.gov/grants/announce/BudgetPreparation-Guidance.pdf\)](#).

PHS 398 Research Training Program Plan (Continuing Education Program)

Introduction to Application: For Resubmission and Revision applications, an Introduction to Application is required.

Program Plan: Describe the strategies the Continuing Education Program will take to determine the educational needs of their targeted population and how the needs will be met. Discuss the Significance of the Continuing Education Program, Key Personnel, Innovation, Approach and Environment.

Plan for Instruction in the Responsible Conduct of Research: Not applicable.

Plan for Instruction in Methods for Enhancing Reproducibility: Not applicable.

Multiple PDF Leadership Plan: Not applicable.

Progress Report: Describe the accomplishments of the Continuing Education Program during the last period of performance for renewal applications. New applications should describe accomplishments over the past 5 years (if applicable). Summarize the accomplishments of the program, faculty, and key personnel. This should include responses to the program's previous review (if applicable). The Progress Report is limited to 5 pages.

Participating Faculty Biosketches: Follow instructions in SF 424 Application Packages.

Letters of Support: Provide letters of support for the Continuing Education Program.

Data Tables: NIOSH Tables for the Continuing Education Program (Table 3) are required and must be submitted as data tables. Found on the [NIOSH Office of Extramural Program's website \(https://www.cdc.gov/niosh/extramural-programs/extrabiosketches.html\)](#); these pages do not count towards page limits. Applicants should summarize, in the body of the application, key data from the NIOSH Tables that highlight the activities of the Continuing Education Program.

Other Training Program Section

Vertebrate Animals: Not applicable.

Select Agent Research: Not applicable.

Consortium / Contractual Arrangements: If applicable.

Other Plans, Data Management: Generally, not applicable for Training Grants.

Appendix: Only limited items are allowed in the Appendix. Do not use the appendix to circumvent page limits. Only documents that are key for the review of the program should be included. A maximum of 5 PDF documents are allowed in the appendix. The number of pages in each PDF document should not exceed 10. Additionally, up to 3 publications may be included that are not publicly available.

Outreach Program (Required)

When preparing your application, use Component Type **Outreach**.

All instructions in the [SF 424 \(R&R\) Application Guide \(https://grants.nih.gov/grants/how-to-apply-application-guide.html\)](#) must be followed, with the following additional instructions, as noted.

SF 424 (R&R) Cover (Outreach Program)

Complete only the following fields:

- Applicant Information
- Type of Applicant (optional)
- Descriptive Title of Applicant's Project
- Proposed Project Start/Ending Dates

PHS 398 Cover Page Supplement (Outreach Program)

Enter Human Embryonic Stem Cells in each relevant component.

R&R Other Project Information (Outreach Program)

Human Subjects: Answer only the Are Human Subjects Involved? and Is the Project Exempt from Federal regulations? questions.

Vertebrate Animals: Answer only the Are Vertebrate Animals Used? question.

Project Narrative: Not applicable.

Project Performance Site Location(s) (Outreach Program)

List all performance sites that apply to the specific component.

R&R Senior/Key Person Profile (Outreach Program)

In the Project Director/Principal Investigator section of the form, use Project Role of Other with Category of Program Director and provide a valid eRA Commons ID in the Credential field. In the additional Senior/Key Profiles section, list Senior/Key persons that are working in the component. Include a single Biographical Sketch for each Senior/Key person listed in the application regardless of the number of components in which they participate. When a Senior/Key person is listed in multiple components, the Biographical Sketch can be included in any one component. The Program Director of the Outreach Program should have the experience and expertise to manage all aspects of the Outreach Program.

PHS Human Subjects and Clinical Trials Information (Outreach Program)

Not applicable.

R&R Budget (Outreach Program)

Budget forms appropriate for the specific component will be included in the application package.

For this NCOF, CDC / NIOSH requires a detailed budget for the initial budget year and a budget for each consecutive year of support.

Applicants may request up to \$75,000 in direct costs / year to support the Outreach Program.

If applicable, use SF 424 R&R Subaward Budget Attachment Forms for each consortium/subaward recipient.

The preparation of the budget should follow the [CDC Budget Preparation Guidelines \(https://www.cdc.gov/grants/announce/BudgetPreparation-Guidance.pdf\)](#).

PHS 398 Research Plan (Outreach Program)

Introduction to Application: For Resubmission and Revision applications, an Introduction to Application is required.

Introduction to Application: For Resubmission and Revision applications, an Introduction to Application is required for each component.

Specific Aims: Describe the aims of the Outreach Program.

Research Strategy: Provide an overall description of the Outreach Program. The narrative should address Significance, Key Personnel, Innovation, Approach, and Environment.

Progress Report and Publications List: A five-page Progress Report is allowed. Related publications within the last 5 years for the overall proposed center, whether for new or renewal applicants, should be attached.

Vertebrate Animals: Not applicable.

Select Agent Research: Not applicable.

Multiple PDF Leadership Plan: Not applicable.

Consortium / Contractual Arrangements: If applicable.

Letters of Support: Include signed letters of support for the Outreach Program.

Resource Sharing Plan: Note: The Data Management and Sharing Plan will be attached in the Other Plan(s) attachment in FORMS-H application forms packages. If applicable.

Individuals are required to comply with the instructions for the Resource Sharing Plans as provided in the SF 424 (R&R) Application Guide.

All applications, regardless of the amount of direct costs requested for any one year, should address a Data Sharing Plan.

Individuals are required to comply with the instructions for the Resource Sharing Plans as provided in the [How to Apply - Application Guide \(https://grants.nih.gov/grants/how-to-apply-application-guide/redirect.cfm?cid=24260\)](#).

Other Plan(s): Data Management Plan; Generally, not applicable for Training Grants.

Applicants that plan to collect public health data must submit a Data Management Plan (DMP) in the Other Plan(s) section of the PHS 398 Research Plan Component of the application. A DMP is required for each collection of public health data proposed. Applicants who contend that the public health data they collect or create are not appropriate for release must justify that contention in the DMP submitted with their application for CDC funds.

Authentication of Key Biological and/or Chemical Resources: Not applicable

Appendix: Follow all instructions for the Appendix as described in the [How to Apply - Application Guide \(https://grants.nih.gov/grants/how-to-apply-application-guide/redirect.cfm?cid=24260\)](#). Do not use the appendix to circumvent page limits. A maximum of 5 PDF documents are allowed in the appendix. The number of pages in each PDF document should not exceed 10.

Pilot Project Research Training Program (Optional)

When preparing your application, use Component Type "Pilot Program."

SF 424 (R&R) Cover (Pilot Project Research Training Program)

Complete only the following fields:

- Applicant Information
- Type of Applicant (optional)
- Descriptive Title of Applicant's Project
- Proposed Project Start/Ending Dates

PHS 398 Cover Page Supplement (Pilot Project Research Training Program)

R&R Other Project Information (Pilot Project Research Training Program)

Human Subjects: Answer only the Are Human Subjects Involved? and Is the Project Exempt from Federal regulations? questions.

Vertebrate Animals: Answer only the Are Vertebrate Animals Used? question.

Project Narrative: Do not complete.

Project Performance Site Location(s) (Pilot Project Research Training Program)

List all performance sites that apply to the specific component.

R&R Senior/Key Person Profile (Pilot Project Research Training Program)

In the Project Director/Principal Investigator section of the form, use Project Role of Other with Category of Program Director and provide a valid eRA Commons ID in the Credential field. In the additional Senior/Key Profiles section, list Senior/Key persons that are working in the component. Include a single Biographical Sketch for each Senior/Key person listed in the application regardless of the number of components in which they participate. When a Senior/Key person is listed in multiple components, the Biographical Sketch can be included in any one component. The Program Director of the Pilot Project Research Training Program should have the expertise and ability to successfully manage all aspects of the program.

PHS Human Subjects and Clinical Trials Information (Pilot Project Research Training Program)

Obtain appropriate IRB review and approval for pilot projects involving human subjects to ensure protection of the rights and welfare of human subjects (45 Code of Federal Regulations 46). This must be obtained prior to pilot project funding and includes pilot projects conducted at other institutions. The IRB must be registered with the DHHS Office of Human Research Protections and must have a current Federalwide Assurance Number.

Documentation of IRB approval and approved consent forms must be maintained by the ERC. Documentation of IRB approvals for pilot projects must be submitted with ERC's annual Research Performance Progress Report. "IRB Approval" means full, final IRB approval. In addition, pilot project protocols must comply with all applicable Federal and State regulations.

R&R Budget (Pilot Project Research Training Program)

Budget forms appropriate for the specific component will be included in the application package.

For this NCOF, CDC / NIOSH requires a detailed budget for the initial budget year and a budget for each consecutive year of support. Pilot Project Research Training Programs may request up to \$100,000 direct costs /year, each funded pilot project may receive up to \$20,000 for a period of 12-18 months.

If applicable, use SF 424 R&R Subaward Budget Attachment Forms for each consortium/subaward recipient.

The preparation of the budget should follow the [CDC Budget Preparation Guidelines \(https://www.cdc.gov/grants/announce/BudgetPreparation-Guidance.pdf\)](#).

PHS 398 Research Plan (Pilot Project Research Training Program)

Introduction to Application: For Resubmission and Revision applications, an Introduction to Application is required.

Specific Aims: Describe the aims of the Pilot Project Research Training Program

Research Strategy: Provide details on the Pilot Project Research Training Program and environment, research training program director, research training program faculty, research mentoring and research training records.

Progress Report: Describe the accomplishments of the ERC's Pilot Project Research Training Program during the last period of performance for renewal applications. New applications should describe accomplishments over the past 5 years (if applicable). Summarize the accomplishments of the recipients of pilot projects, outcomes, and outputs. This should include responses to the program's previous review (if applicable). The Progress Report is limited to 5 pages.

Participating Faculty Biosketches: Follow instructions in SF 424 Application Packages.

Letters of Support: Provide letters of support that are specific to the ERC's Pilot Project Research Training Program.

Data Tables: Not applicable.

Other Training Program Section

Vertebrate Animals: Not applicable.

Select Agent Research: Not applicable.

Consortium / Contractual Arrangements: If applicable.

Other Plans - Data Management: The Data Management and Sharing Plan will be attached in the Other Plan(attachment in FORMS-H application forms packages. If required, the Data Management and Sharing (DMS) Plan must be provided in the Overall component.

All applicants planning research (conducted or conducted in whole or in part by CDC/NIOSH) that results in the generation of scientific data are required to comply with the instructions for the Data Management and Sharing Plan. All applications, regardless of the amount of direct costs requested for any one year, must address a Data Management and Sharing Plan. The Data Management and Sharing (DMS) Plan must be provided in the Overall component.

Appendix: Only limited items are allowed in this appendix. Do not use the appendix to circumvent page limits. Only documents that are key for the review of the program should be included. A maximum of 5 PDF documents are allowed in the appendix. The number of pages in each PDF document should not exceed 10. Additionally, up to 3 publications may be included that are not publicly available.

Targeted Research Training Program (Optional)

When preparing your application, use Component Type "Targeted Research."

SF 424 (R&R) Cover (Targeted Research Training Program)

Complete only the following fields:

- Applicant Information
- Type of Applicant (optional)
- Descriptive Title of Applicant's Project
- Proposed Project Start/Ending Dates

PHS 398 Cover Page Supplement (Targeted Research Training Program)

R&R Other Project Information (Targeted Research Training Program)

Project Narrative: Do not complete.

Project Performance Site Location(s) (Targeted Research Training Program)

List all performance sites that apply to the specific component.

R&R Senior/Key Person Profile (Targeted Research Training Program)

In the Project Director/Principal Investigator section of the form, use Project Role of Other with Category of Program Director and provide a valid eRA Commons ID in the Credential field. In the additional Senior/Key Person section, list Senior/Key persons that are working in the component. Include a single Biographical Sketch for each Senior/Key person listed in the application regardless of the number of components in which they participate. When a Senior/Key person is listed in multiple components, the Biographical Sketch can be included in any one component. The Program Director should have the expertise and experience to provide strong leadership, direction, and management of the Targeted Research Training Program for the program to be successful and sustainable.

PHS Human Subjects and Clinical Trials Information (Targeted Research Training Program)

If applicable.

R&R Budget (Targeted Research Training Program)

Budget forms appropriate for the specific component will be included in the application package.

Budget forms appropriate for the specific component will be included in the application package.

For this NOFO, CDC / NIOSH requires a detailed budget for the initial budget year and a budget for each consecutive year of support.

For this component up to \$300,000 direct cost/year is allowed.

A maximum of 70% of the Targeted Research Training Program budget must go to trainee costs that include stipends, tuition and fees, and travel. A maximum of 30% of the Academic Training Programs budget may go to support training-related expenses that include salary support for faculty and staff, supplies, equipment, and non-trainee travel. This 70/30 allocation of funding may be applied across all academic training programs (plus Targeted Research Training Program).

If applicable, use SF 424 R&R Subaward Budget Attachment Forms for each consortium/subaward recipient.

The preparation of the budget should follow the [CDC Budget Preparation Guidelines](https://www.cdc.gov/grants/submit/BudgetPreparationGuidance.pdf). <https://www.cdc.gov/grants/submit/BudgetPreparationGuidance.pdf>

PHS 398 Research Training Program Plan (Targeted Research Training Program)

Introduction to Application: For Resubmission and Revision applications, an Introduction to Application is required.

Program Plan: Provide details on the Targeted Research Training Program and environment, research training program director, research training program faculty, research mentoring and research training resources.

Plan for Instruction in the Responsible Conduct of Research:

Plan for Instruction in Methods for Enhancing Reproducibility: Not applicable.

Multiple PDPF Leadership Plan: Not applicable.

Progress Report: Describe the accomplishments of the ERC's Targeted Research Training Program over the last period of performance for renewal applications. New applications should describe accomplishments over the past 5 years (if applicable). This should include responses to the program's previous review (if applicable). The Progress Report is limited to 5 pages.

Participating Faculty Biosketches: Follow instructions in SF 424 Application Packages.

Letters of Support: Provide letters of support for the ERC's Targeted Research Training Program.

Data Tables: Not applicable.

Other Training Program Section

Vertebrate Animals: Not applicable.

Select Agent Research: Not applicable.

Consent/IRB/Contractual Arrangements: If applicable.

Other Plans - Data Management: Generally, not applicable for training grants.

Appendix: Only limited Appendix materials are allowed. Do not use the appendix to circumvent page limits. Only documents that are key for the review of the program should be included. A maximum of 5 PDF documents are allowed in the appendix. The number of pages in each PDF document should not exceed 10. Additionally, up to 3 publications may be included that are not publicly available.

Follow all instructions for the Appendix as described in the [How to Apply - Application Guide](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf). <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf>

3. Unique Entity Identifier and System for Award Management (SAM)

See Part 1, Section II.1 for information regarding the requirement for obtaining a unique entity identifier and for completing and maintaining active registrations in System for Award Management (SAM), NATO Commercial and Government Entity (NCAGE) Code (if applicable), eRA Commons, and Grants.gov.

4. Submission Dates and Times

Part I. Overview Information contains information about Key Dates and times. Applicants are encouraged to submit applications before the due date to ensure they have time to make any application corrections that might be necessary for successful submission. When a submission date falls on a weekend or Federal holiday, <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf>, the application deadline is automatically extended to the next business day.

Organizations must submit applications to [Grants.gov](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf) (https://www.cdc.gov/grants/submit/AppendixGuidance.pdf) (the online portal to find and apply for grants across all Federal agencies) using ASSIST or other electronic submission systems. Applicants must then complete the submission process by tracking the status of the application in the [eRA Commons](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf) (https://www.cdc.gov/grants/submit/AppendixGuidance.pdf). NIH's electronic system for grants administration, NIH and Grants.gov systems check the application against many of the application instructions upon submission. Errors must be corrected and a changed/Corrected application must be submitted to Grants.gov on or before the application due date and time. If a Changed/Corrected application is submitted after the deadline, the application will be considered late.

Applicants are responsible for viewing their application before the due date in the eRA Commons to ensure accurate and successful submission.

Information on the submission process and a definition of on-time submission are provided in the [How to Apply - Application Guide](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf). <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf>

5. Intergovernmental Review (E.O. 12372)

This initiative is not subject to [intergovernmental review](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf). <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf>

6. Funding Restrictions

All CDC/NIOSH awards are subject to the terms and conditions, cost principles, and other considerations described in the [PHS Grants Policy Statement](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf). <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf>

Expanded Authority:

Recipients are permitted expanded authorities in the administration of the award. Carryover of unobligated balances from one budget period to a subsequent budget period is allowed. Unobligated funds may be used for purposes within the scope of the project as originally approved. See [PHS Grants Policy Statement](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf). <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf>

All CDC/NIOSH awards are subject to the federal regulations, in 45 CFR Part 75, terms and conditions, and other requirements described in the [PHS Grants Policy Statement](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf). <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf> Pre-award costs may be allowable as an expanded authority, but only if authorized by CDC.

Public Health Data:

CDC requires that mechanisms for, and cost of, public health data sharing be included in grants, cooperative agreements, and contracts. The cost of sharing or archiving public health data may also be included as part of the total budget requested for first-time or continuation awards.

Program Income:

Any program income generated under this grant or cooperative agreement will be used in accordance with the Addition alternative. Under the addition alternative, program income is added to the funds committed to the project/program and are used to further eligible project/program objectives.

Note: The disposition of program income must have written prior approval from the GAO.

Unobligated Funds:

Recipients will report use, or intended use, of unobligated funds in Section 12 Remarks of the annual Federal Financial Report submitted in eRA Commons. If the GAO determines that some or all the unobligated funds are not necessary to complete the project, the GAO may restrict the recipient's authority to automatically carry over unobligated balances in the future, use the balance to reduce or offset CDC funding for a subsequent budget period, or use a combination of these actions.

Rebudgeting of amounts less than 25% of a category is allowed if within category categories for trainee costs or trainee-related costs. For example, rebudgeting of stipends to buyout/fee for services is allowable without prior approval. Prior approval is required if requesting rebudgeting from trainee costs to trainee-related costs.

Significant rebudgeting occurs when expenditures in a single direct cost budget category (increase or decrease) from the categorical component level established for the budget period by 25% or more of the total costs awarded. For example, if the award budget for total costs is \$200,000, any rebudgeting that would result in an increase or decrease of more than \$50,000 in a budget category is considered significant rebudgeting. This requires CDC/NIOSH prior approval.

7. Other Submission Requirements and Information

Applications must be submitted electronically following the instructions described in the [How to Apply - Application Guide](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf). <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf> Paper applications will not be accepted.

For information on how your application will be automatically assembled for review and funding consideration after submission go to: <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf>

Applicants must complete all required registrations before the application due date. Section II.1.1 (Required Registrations) contains information about registration.

For assistance with your electronic application or for more information on the electronic submission process, visit <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf>. If you encounter a system issue beyond your control that threatens your ability to complete the submission process on-time, you must follow the [Desktop with System Issues](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf) (https://www.cdc.gov/grants/submit/AppendixGuidance.pdf) guidance. For assistance with application submission, contact the Application Submission Center in [Section 10](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf).

Important reminders:

All PD(s)/PI(s) and component Project Leads must include their eRA Commons ID in the Credential field of the Senior/Key Person Profile form. Failure to register in the Commons and to include a valid PDPF Commons ID in the credential field will prevent the successful submission of an electronic application to CDC/NIOSH.

It is also important to note that for multi-project applications, this requirement also applies to the individual components of the application and not to just the Overall component.

The application organization must ensure that the unique entity identifier provided on the application is the same identifier used in the organization's profile in the eRA Commons and for the System for Award Management. Additional information may be found in the [How to Apply - Application Guide](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf). <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf>

See <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf> for avoiding common errors.

Duplication of Efforts

Applicants are responsible for reporting if this application will result in programmatic, budgetary, or commitment overlap with another application or award (i.e., grant, cooperative agreement, or contract) submitted to another funding source in the same fiscal year. Programmatic overlap occurs when (1) substantially the same project is proposed in more than one application or is submitted to two or more funding sources for review and funding consideration or (2) a specific objective and the project design for accomplishing the objective are the same or closely related in two or more applications or awards, regardless of the funding source. Budgetary overlap occurs when duplicate or equivalent budgetary items (e.g., equipment, salaries) are requested in an application but already are provided by another source. Commitment overlap occurs when an individual's time commitment exceeds 100 percent, whether or not salary support is requested in the application. Overlap, whether programmatic, budgetary, or commitment of an individual's effort greater than 100 percent, is not permitted. Any overlap will be resolved by the CDC with the applicant and the PDPF prior to award.

Report Submission: The applicant must upload the report under Other Attachment Forms. The document should be labeled "Report on Programmatic, Budgetary, and Commitment Overlap."

Application Submission

Applications must be submitted electronically following the instructions described in the SF 424 (R&R) Application Guide. PAPER APPLICATIONS WILL NOT BE ACCEPTED.

Applicants must complete all required registrations before the application due date. Section II.1.1 (Required Registrations) contains information about registration.

For assistance with your electronic application or for more information on the electronic submission process, visit [Applying Electronically](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf). <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf>

Important reminders: All Senior/Key Personnel (including Program Director/Principal Investigators (PDPIs)) must include their eRA Commons ID in the Credential field of the Senior/Key Person Profile Component of the SF 424(R&R) Application Package. Failure to register in the Commons and to include a valid PDPF Commons ID in the credential field will prevent the successful submission of an electronic application to CDC.

It is also important to note that for multi-project applications, this requirement also applies to the individual components of the application and not to just the Overall component.

The application organization must ensure that the UEI number it provides on the application is the same number used in the organization's profile in the eRA Commons and for the System for Award Management (SAM). Additional information may be found in the SF 424 (R&R) Application Guide.

If the applicant has an FWA number, enter the 8-digit number. Do not enter the letters FWA before the number. If a Project/Performance Site is engaged in research involving human subjects, the applicant organization is responsible for ensuring that the Project/Performance Site operates under and appropriate Federal Wide Assurance for the protection of human subjects and complies with 45 CFR Part 46 and other CDC human subject related policies described in Part II of the SF 424 (R&R) Application Guide and in the HHS Grants Policy Statement.

See more resources to avoid common errors and submitting, tracking, and viewing applications:

- <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf>
- <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf>
- <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf>
- <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf>
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Upon receipt, applications will be evaluated for completeness by the CDC Office of Grants Services (OGS) and responsiveness by OGS and the Center, Institute or Office of the CDC. Applications that are incomplete and/or nonresponsive will not be reviewed.

Post Submission Materials

Applicants are required to follow the instructions for post-submission materials, as described in the [PHS Grants Policy Statement](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf). <https://www.cdc.gov/grants/submit/AppendixGuidance.pdf> Any instructions provided here are in addition to the instructions in the policy.

Section V. Application Review Information

1. Criteria

Only the review criteria described below will be considered in the review process. As part of the [CDC mission](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf) (https://www.cdc.gov/grants/submit/AppendixGuidance.pdf) and [NIOSH mission](https://www.cdc.gov/grants/submit/AppendixGuidance.pdf) (https://www.cdc.gov/grants/submit/AppendixGuidance.pdf), all applications submitted to the CDC/NIOSH in support of public health research are evaluated for scientific and technical merit through the CDC/NIOSH peer review system.

For this announcement, note:

Applicants must be able to award graduate and post-graduate degrees in OSH disciplines.

As part of the initial merit review, all applicants will receive a written summary statement consisting of the following elements:

- A summary evaluation of the Overall Center (considering all components)
- A separate evaluation of each Academic Training Program
- A separate evaluation of the Evaluation and Planning Core
- A separate evaluation of the Continuing Education Program
- A separate evaluation of the Outreach Program
- A separate evaluation for each optional Research Training Program (if proposed).

Overall Impact - Overall Center

Reviewers will provide an overall impact/impact score to reflect their assessment of the likelihood for the Center to exert a sustained, powerful influence on the OSH field, in consideration of the following review criteria and additional review criteria (as applicable for the Center proposed).

Scored Review Criteria Overall Center

Reviewers will consider each of the review criteria below in the determination of scientific merit and give a separate score for each. An application does not need to be strong in all categories to be judged likely to have major scientific impact. For example, a Center that by its nature is not innovative may be essential to advance the OSH field.

Significance

Significance is evaluated by considering the impact the ERC has in meeting regional and national needs the ERC has identified for OSH training. Does the creation or continuation of an ERC advance the field of OSH? Does the ERC have a robust history of training students to be practitioners and leaders in research to address challenging OSH issues in an interdisciplinary manner? Is there evidence of regional and national collaboration with a diverse and broad range of organizations to enhance worker well-being? Is there evidence of the applicant's ability to track academic program graduates and post-doctorates after completion of their program to determine impact?

Does the project address an important problem or critical barrier to progress in the OSH field? If the aims of the project are achieved, how will scientific knowledge, technical capability, and/or public health be improved? How will successful completion of the aims change the concepts, methods, technologies, treatments, services, or preventative interventions that drive this field?

(Investigators)

Does the ERC leadership team have experience in managing a complex, multi-component center in OSH in an institutional environment? Is the ERC Center Director highly qualified to lead the ERC? Does the ERC leadership have qualifications and experience in OSH? Is the ERC faculty highly qualified, with a strong history of obtaining support through other mechanisms (federal, state, or private sector)? Is there evidence of high-quality outputs, and outcomes through research or practice from ERC faculty and staff, which have contributed to improvements in worker health and safety? Is there evidence of past collaborations between the ERC faculty and NIOSH trainees across disciplines? the level of commitment for the PI and PIs adequate to manage the ERC?

Are the PDPFs, collaborators, and other researchers well-suited to the project? Have they demonstrated an ongoing record of accomplishments that have advanced their field(s)? If the project is collaborative or multi-PDPF, do the investigators have complementary and integrated expertise, are their leadership approach, governance and organizational structure appropriate for the project?

Innovation

Does the ERC propose innovative approaches to achieving and maintaining highly effective training, research training, continuing education, outreach, transition of research to practice, and prevention through design, all relevant to the OSH field? Does the ERC work to positively impact the well-being, safety, and health of workers in their region with considerations for the changing nature of work? Is there an innovative approach in recruiting individuals for all ERC programs, including continuing education, outreach, and research training programs (if applicable)? Does the ERC propose innovative approaches across all components?

Approach

14/09/20

- How will the scientific findings be translated into public health practice or inform public health policy?
 - How will the project improve or effect the translation of research findings into public health practice or inform policy?
 - How will the research findings help promote or accelerate the dissemination, implementation, or diffusion of improvements in public health programs or practices?
 - How will the findings advance or guide future research efforts or related activities?
 - Public Health Relevance and Impact (1 page maximum). This section should address improvements in public health as measured by documented or anticipated outcomes from the project. The PI should consider how the findings of the project relate beyond the immediate study to improved practices, prevention or intervention techniques, inform policy, or use of technology in public health. Questions to consider in preparing this section include:
 - How will this project lead to improvements in public health?
 - How will the findings, results, or recommendations be used to influence practices, procedures, methodologies, etc.?
 - How will the findings, results, or recommendations contribute to documented or projected reductions in morbidity, mortality, injury, disability, or disease?
 - Current Budget Period Financial Progress: Status of obligation of current budget period funds and an estimate of unobligated funds projected provided on an estimated FFR.
 - New Budget Period Proposal
 - Detailed operational plan for continuing activities in the upcoming budget period, including updated Measures of Effectiveness for evaluating progress during the upcoming budget period. Report listed by Research Aim/Project.
 - Project Timeline: Include planned milestones for the upcoming year (be specific and provide deadlines).
 - New Budget Period Budget: Detailed line-item budget and budget justification for the new budget period. Use the CDC budget guideline format.
 - Publications/Presentations: Include publications/presentations resulting from this CDC grant only during this budget period. If no publication or presentations have been made at this stage in the project, simply indicate Not applicable. No publications or presentations have been made.*
 - RIB Approval Certification: Include all current RIB approvals, specifically for PI/PI Projects that engage human subjects research to avoid a finding restriction on your award. If the research does not involve human subjects, then please state so. Please provide a copy of the most recent local RIB and CDC RIB, if applicable. If any approval is still pending at time of APR due date, indicate the status in your narrative.
 - Update of Data Management Plan: The DMP is considered a living document that will require updates throughout the lifecycle of the project. Investigators should include any updates to the project's data collection such as changes to initial data collection plan, challenges with data collection, and recent data collected. Applicants should update their DMP to reflect progress or issues with planned data collection and submit as required for each reporting period.
- Additional Reporting Requirements:**

An Annual Report suitable for public distribution must be submitted to the NIOSH Scientific Program Office at the end of the federal fiscal year (September 30). The report should include high impact outcomes from the ERC's programs. ERCs must also submit annual performance tables which will capture information on trainees, graduates, graduates' placement and continuing education outputs. The tables, along with instructions, will be provided by NIOSH each year.

Statement of Appointments (PHS Form 2271) must be submitted through xTrain system for each trainee appointed or reassigned to the training grant, including Targeted Research. Training trainees within 30 days of receiving support. An appointment or reappointment may begin at any time during the budget period, but not before the budget period start date of the grant year. Terminations should be completed shortly (within 30 days) after trainee has completed training or is no longer in the program.

Annual Federal Financial Reporting:

The Annual Federal Financial Report (FFR) (SF-425 is required and must be submitted through the Payment Management System (PMS) within 90 days after the end of the budget period. The FFR should only include those funds authorized and disbursed during the timeframes covered by the report. The Final FFR (SF-425) must include the exact balance of unobligated funds and may not reflect any unliquidated obligations. There must be no discrepancies between the Final FFR expenditure data and the Payment Management System's (PMS) cash transaction data.

Failure to submit the required information in a timely manner may adversely affect the future funding of this project. If the information cannot be provided by the due date, you are required to submit a letter explaining the reason and date by which the Grants Officer will receive the information.

Additional resources on the Payment Management System (PMS) can be found at <https://pms.cdc.gov> / <https://pms.cdc.gov/>.

Recipients must submit closed-out reports in a timely manner. Unless the Grants Management Officer (GMO) of the awarding Institute or Center approves an extension, recipients must submit a Final FFR (SF-425), final progress report, and Final Invention Statement and Certification within 120 days after the end of the period of performance. Failure to submit timely and accurate final reports may affect future funding to the organization or awards under the direction of the same Project Director/Principal Investigator (PD/PI).

Organizations may verify their current registration status by running the List of Commons Registered Organizations query found at: https://era.nih.gov/registration_economics.htm / https://era.nih.gov/registration_economics.htm / https://era.nih.gov/registration_economics.htm Organizations not yet registered can go to <https://commons.era.nih.gov/commons/> / <https://commons.era.nih.gov/commons/> for instructions. It generally takes several days to complete this registration process. This registration is independent of Grants.gov and may be done at any time.

The individual designated as the PI on the application must also be registered in the Commons. The PI must hold a PI account and be affiliated with the applicant organization. This registration must be done by an organizational official or their delegate who is already registered in the Commons. To register PIs in the Commons, refer to the eRA Commons User Guide found at: https://era.nih.gov/era/Commons_UserGuide.pdf / https://era.nih.gov/era/Commons_UserGuide.pdf.

Final Reports: Final reports should provide sufficient detail for CDC to determine if the stated outcomes for the funded research have been achieved and if the research findings resulted in public health impact based on the investment. The recipient's final report should include:

Research Aim/Project Overview: The PI should describe the purpose and approach to the project, including the outcomes, methodology and related analyses. Include a discussion of the challenges, successes and lessons learned. Describe the collaborations/partnerships and the role of each external partner.

Translation of Research Findings: The PI should describe how the findings will be translated and how they will be used to inform policy or promote, enhance or advance the impact on public health practice. This section should be understandable to a variety of audiences, including policy makers, practitioners, public health programs, healthcare institutions, professional organizations, community groups, researchers and other potential end users. The PI should also provide a discussion of any research findings that informed policy or practice during the course of the Period of Performance. If applicable, describe how the findings could be generalized and scaled to populations and communities outside of the funded project.

Public Health Relevance and Impact: This section should address improvements in public health as measured by documented or anticipated outcomes from the project. The PI should consider how the findings of the project related beyond the immediate study to improved practices, prevention or intervention techniques, or informed policy, technology or systems improvements in public health.

Publications, Presentations, Media Coverage: Include information regarding all publications, presentations or media coverage resulting from this CDC-funded activity. Please include any additional dissemination efforts that did or will result from the project.

Final Data Management Plan: Applicants must include an updated Final Data Management Plan that describes the data collected, the location of where the data is stored (example: a repository), accessibility restrictions (if applicable), and the plans for long-term preservation of the data.

Termination: CDC may require other enforcement actions in accordance with 45 CFR 75.371 - Remedies for Noncompliance, as appropriate.

The Federal award may be terminated if whole or in part as follows:

- (1) By the HHS awarding agency or pass-through entity, if the non-Federal entity fails to comply with the terms and conditions of the award;
- (2) By the HHS awarding agency or pass-through entity for cause;
- (3) By the HHS awarding agency or pass-through entity with the consent of the non-Federal entity, in which case the two parties must agree upon the termination conditions, including the effective date and, in the case of partial termination, the portion to be terminated; or
- (4) By the non-Federal entity upon sending to the HHS awarding agency or pass-through entity written notification setting forth the reasons for such termination, the effective date, and, in the case of partial termination, the portion to be terminated. However, if the HHS awarding agency or pass-through entity determines in the case of partial termination that the reduced or modified portion of the Federal award or subaward will not accomplish the purposes for which the Federal award was made, the HHS awarding agency or pass-through entity may terminate the Federal award in its entirety.

Section VII. Agency Contacts

We encourage inquiries concerning this funding opportunity and welcome the opportunity to answer questions from potential applicants.

Application Submission Contacts

[Grants.gov Customer Support](https://era.nih.gov/era/Commons_UserGuide.pdf) (https://era.nih.gov/era/Commons_UserGuide.pdf) (Questions regarding Grants.gov registration and submission, downloading or navigating forms)

Contact Center Phone: 800-518-4725

<https://www.grants.gov/support> / <https://www.grants.gov/support>

Email: support@grants.gov

Hours: 24 hours a day, 7 days a week; closed on Federal holidays

eRA Commons Help Desk (https://era.nih.gov/era/Commons_UserGuide.pdf) (Questions regarding eRA Commons registration, tracking application status, post submission issues, FFR submission)

Phone: 301-402-7469 or 866-504-9552 (Toll Free)

TTY: 301-441-5899

<https://www.era.nih.gov/need-help> / <https://www.era.nih.gov/need-help>

Email: commonshelp@nih.gov / <mailto:commonshelp@nih.gov> Hours: Monday - Friday, 7am - 4pm U.S. Eastern Time; closed on federal holidays

Scientific/Research Contact

Elizabeth H. Maples, PhD, CH

National Institute for Occupational Safety and Health

Centers for Disease Control and Prevention

Telephone: 404-488-2557

Email: emmaples@cdc.gov / <mailto:emmaples@cdc.gov>

Peer Review Contact

E. Michael Costantino, PhD

National Institute for Occupational Safety and Health

Centers for Disease Control and Prevention

Telephone: 304-285-5951

Email: emcostantino@cdc.gov / <mailto:emcostantino@cdc.gov>

Financial/Grants Management Contact

Christina Park

Grants Management Officer

Office of Grants Services

Centers for Disease Control and Prevention

Telephone: 404-488-5014

Email: cpark@cdc.gov / <mailto:cpark@cdc.gov>

Section VIII. Other Information

All awards are subject to the terms and conditions, cost principles, and other considerations described in the [HHS Grants Policy Statement](https://www.hhs.gov/ohash/cfaa/ffr/grants/grants/policies-operations/ohash-gra107.pdf) (<https://www.hhs.gov/ohash/cfaa/ffr/grants/grants/policies-operations/ohash-gra107.pdf>).

Authority and Regulations

Awards are made under the authorization of Sections of the Public Health Service Act as amended and under the Code Federal Regulations.

Authority: This program is described in the [Catalog of Federal Domestic Assistance](https://www.42 USC 241) (<https://www.42 USC 241>) and is not subject to the intergovernmental review requirements of Executive Order 12372 or Health Systems Agency Review. Awards are made under the authorization of the Occupational Safety and Health Act of 1970, Section 20(a) and 21(a) (29 USC 669(a) and 29 USC 670); Federal Mine Safety and Health Act, Section 501(a), 30 USC 951(a); Section 301 of the Public Health Service Act as amended (42 USC 241) and under Federal Regulations 42 CFR Parts 52 and 86 and 45 CFR Part 75. All awards are subject to the terms and conditions, cost principles, and other considerations described in the [HHS Grants Policy Statement](https://www.hhs.gov/ohash/cfaa/ffr/grants/grants/policies-operations/ohash-gra107.pdf) (<https://www.hhs.gov/ohash/cfaa/ffr/grants/grants/policies-operations/ohash-gra107.pdf>).

[Weekly TOC for this Announcement](#) ([grants/pdfs/WeeklyTOC.cfm?10-11-24](#))
[Web Function Descriptions and Notices](#) ([/grants/multimedia.htm](#))