



THE CENTER FOR CONSTRUCTION
RESEARCH AND TRAINING

Small Study Program Guidelines

*Instructions for Applying & Reporting Requirements for
Funded Studies*

Currently Accepting Applications

September 2025

This version replaces all previous versions.

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The contents are solely the responsibility of the authors and do not necessarily represent the official views of NIOSH. This document is available at www.cpwr.com. This is a living document and will be updated to reflect priority research efforts as they evolve.

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Visit the [CPWR Small Study webpage](#).

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Background

The Need for Research

U.S. construction workers face one of the country's highest risks for injury, illness, or fatality due to workplace hazards. The complex nature of the construction industry—particularly the predominance of small, often isolated, and under-resourced employers—creates challenges for reaching and influencing employers' and their employees. Dangers to the lives and health of workers are immediate, and health effects can be cumulative, disabling, and even fatal. The types of hazards facing construction workers include, for example, falls, electrocution, being struck by or caught in between equipment, and exposure to chemicals, fumes, and dust. These occupational injuries, illnesses, and fatalities create a significant human and financial burden for workers, their families, industry, and society. Workers employed by construction employers with fewer than 20 employees are at a disproportionate risk compared to those working for larger employers.

To reduce the risks, there is a critical need to accelerate research on emerging and persistent hazards and implementation of evidence-based work practices and interventions shown to improve occupational safety and health outcomes. In addition, since contractors who do not understand relevant hazards or choose to ignore them put workers' lives at risk, there is an ongoing need to increase dissemination and adoption of research results to groups that can affect positive change ([research to practice or r2p](#)) and to understand [“safety culture” and “safety climate”](#) on construction sites.

For information on the leading causes and current rates of injuries, illnesses, and fatalities—and other data on construction health and safety and the industry as a whole—see CPWR's [Construction Chart Book, Data Reports](#), and other research developed by CPWR's [Data Center](#).

About CPWR

[CPWR—The Center for Construction Research and Training](#) is a 501(c)(3) nonprofit organization created by North America's Building Trades Unions (NABTU). Its mission is to:

- Encourage the elimination or reduction of conditions constituting hazards to the safety or health of U.S. construction workers, and to promote the maintenance and improvement of safe and healthy working conditions for workers in the U.S. construction industry;
- Publicize the results of research findings, and to make them widely available to construction industry owners/users, employers, associations, unions, workers, academia, government, and others with an interest in construction industry safety and health;
- Provide training resources and technical services to apply research findings at the work site and to direct research to define and address issues of importance to workers; and
- Conduct research assessing the quality of working conditions; the social, economic, and psychological factors influencing work organization; the impacts on workers and working conditions of new technologies and industry change; and analyses of corporate and government policies and consensus standards that affect the worksite.

CPWR has partnered with the National Institute for Occupational Safety and Health (NIOSH) since NIOSH first established its construction research initiative in 1990. CPWR currently serves as the NIOSH-sponsored [National Construction Center](#). In this role, CPWR has created an extensive network across the diverse construction community, including a multidisciplinary, productive team of internal and external researchers focused on advancing [NIOSH Strategic Goals](#). CPWR conducts research to identify causes of and solutions for safety and health risks and explores emerging hazards in order to prevent injuries, illnesses,

and deaths in the construction industry. Through partnerships with industry stakeholders and its extensive network of safety and health trainers, CPWR bridges the gap between research and what happens on construction sites. Today, CPWR is recognized worldwide as a preeminent institution in this field.

CPWR competes every five years for a Center for Disease Control and Prevention/NIOSH cooperative agreement to serve as the National Construction Center and was again selected for this role in 2024. The NIOSH cooperative agreement funds the work of CPWR's in-house researchers and a consortium of university-based researchers, as well as the Small Study Program.

Small Study Program Background & Requirements

About the Small Study Program

In 1993, CPWR established the Small Study Program to conduct and pilot hypothesis-generating research and attract new investigators into the field of construction safety and health research. Since then, this innovative program has provided successful applicants with seed money of up to \$30,000 and the flexibility to initiate short-term studies that:

- Investigate and assess the potential risks from emerging hazards and changes taking place in the construction industry.
- Explore new approaches for addressing persistent hazards.
- Create and test promising methods and interventions to improve construction worker health and safety.

Over the years, [funded small studies](#) have encompassed diverse scientific aims, investigators, and applicant organizations.

For a study to be considered, the topics must be related to CPWR's mission and address at least one of the research goals, priorities, and areas of emphasis listed in this guidance. Applicants must follow the instructions in this document.

Who Should Apply?

CPWR encourages investigators with an interest in improving construction worker health and safety from a wide range of disciplines (public health, applied computer sciences, communication sciences, construction management, consumer marketing, economics, engineering, psychology, and work organization) to apply. Innovative proposals from occupational safety and health researchers, ergonomists, epidemiologists, researchers partnering with industry practitioners, and others are welcome.

Scope

The scope of the research should include one or more of the following: basic or applied science; development or exploratory methodologies; prevention effectiveness or intervention; research to practice (r2p); technology transfer; or feasibility and policy research. Specific objectives of proposed research might test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or clinical practice, address a critical barrier to progress in the field, or develop a new technology. Research may aim to investigate causes of fatal and nonfatal construction injuries and illnesses or to seek solutions to reduce or eliminate the associated hazards.

Research Goals and Areas of Emphasis

Studies must address at least one of the [NIOSH Strategic Goals](#), [National Occupational Research Agenda for Construction](#) objectives, or the [2018 NIOSH Construction Program Expert Panel Review](#) recommendations.

CPWR's Small Study Program is committed to advancing construction safety and health by supporting promising research and practical initiatives. We prioritize funding for initiatives that:

- **Reach high-risk groups**, including small employers (those with 19 or fewer employees) and those in residential and light commercial construction.
- **Apply actionable interventions** that can be immediately applied on the job.
- **Engage stakeholders** through partnerships to identify and overcome barriers to adopting good practices.
- **Tackle persistent or emerging issues** and leverage new technologies to enhance worker safety, health, and well-being.
- **Translate research into practice** and promote widespread dissemination.
- **Promote proven safety practices** to small employers for immediate impact.

Note on Topics of Interest: CPWR recognizes the potential of emerging technologies, such as artificial intelligence (AI), virtual reality (VR), and machine learning, to advance worker safety and health. However, because most study concepts currently received under the program address these technologies, coupled with the need to balance projects across all program emphasis areas, proposals focused primarily on these topics are not a priority at this time.

Applicants are encouraged to review CPWR's [current research program](#) and [previously funded Small Study projects](#) before making a decision on a study topic.

Proposals Not Eligible for Small Study Program Funding

CPWR will not consider proposals that could lead to opportunities for employers to discriminate against workers. International organizations are not eligible to apply.

How to Apply for Funding

A study may be proposed at any time. Instructions for submitting a proposal are in this section. Submissions that do not comply with requirements will not be reviewed.

Letter of Intent (LOI) Instructions

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| Deadline | The letter must be received at CPWR by COB September 22, 2025 . |
| Length of LOI | No more than four (4) pages. |
| Required LOI Content – In this order | Applicant Organization’s Legal Name, Employer Identification Number, and DUNS Number. |
| | PI’s legal name, credentials, and contact information (address, phone, and email). |
| | Study title. |
| | Statement of the health or safety problem the proposed study will address. |
| | Studies must address at least one of the NIOSH Strategic Goals , National Occupational Research Agenda for Construction objectives, or the 2018 NIOSH Construction Program Expert Panel Review recommendations. |
| | <p>Summary of the proposed study—including aims and objectives, methods, research/design, human subject plans, and selected references showing how this study contributes to knowledge in the field.</p> <p>A proposed timeline. An estimated budget.</p> <p>The following are suggested questions to consider when preparing the LOI:</p> <ul style="list-style-type: none">• What are the expected outcomes/products?• How will the outcomes be measured?• What does the investigator expect to find? What might be next?• What partnerships and plans will help obtain access to workers/worksites?• What is the dissemination plan? |
| Submission | Submit LOI to Patricia Quinn, CPWR, pquinn@cpwr.com |

Letter of Intent Review Process

The Letter of Intent (LOI) will be evaluated by an internal CPWR review panel appointed by the Executive Director. Reviewers will utilize a standardized form and scoring system to assess the LOI. Based on the reviewers' scores and comments, the Executive Director will decide whether to invite a full proposal. Please note that there is no opportunity to revise or resubmit an LOI. CPWR will notify the Principal Investigator (PI) of its decision by October 3.

Full Proposal - PHS 398 Application Instructions

If a full proposal is requested, applicants must follow the instructions in this section. Applications not following these instructions will not be reviewed.

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| Deadlines | <p>A PHS 398 application is due no later than November 1.</p> <p>After CPWR has reviewed the application, a one-time revision may be requested. The applicant has 3 business days to address any questions/comments and to resubmit the proposal. Re-submissions not meeting this deadline will not be reviewed.</p> |
| Required Application Format | <p>The current version of the U.S. Public Health Service (PHS) 398 grant application. https://grants.nih.gov/grants/funding/phs398/phs398.html).</p> <ul style="list-style-type: none">• Instructions for Grant Applications using PHS 398 can be found at https://grants.nih.gov/grants/funding/phs398/phs398.pdf.• Do not include blank pages.• Proposal must be page numbered consecutively. |
| Small Study PHS 398 Specific Requirements | <p>Read and follow these instructions. Applications that do not follow these instructions will not be reviewed.</p> |
| <input type="checkbox"/> Face Page | <p>All sections require a response unless otherwise noted.</p> <ul style="list-style-type: none">• For Box 2. <i>Response to Specific Request for Applications or Program Announcement</i>, select “Yes,” title “CPWR Small Study Program.” |
| <input type="checkbox"/> Summary, Relevance, Project/Performance Site, Senior/Key Personnel, Other Significant Contributors | <p>Studies must address at least one of the NIOSH Strategic Goals, National Occupational Research Agenda for Construction objectives, or the 2018 NIOSH Construction Program Expert Panel Review recommendations.</p> <p>Include research output in the Abstract and Research Strategy sections.</p> |

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| <input type="checkbox"/> Research Grant Table of Contents | All pages, forms, and sections are required, unless otherwise noted. See the section below titled <i>Forms/TOC sections not required</i> for additional guidance. |
| <input type="checkbox"/> Research Plan | Consists of items 1-12 (use Table of Contents as reference). It must be self-contained and include sufficient information to evaluate the project, independent of any other document. Two identical CDs are not required. |
| <input type="checkbox"/> Page Limits | Specific Aims, 1 page Research Strategy, 12 pages Bio sketch (per person), 4 pages Appendix/Attachments, No page limit |
| <input type="checkbox"/> Budget Requirements | <p>Funding is capped at \$30,000, including both direct and indirect costs. A detailed and justified budget on PHS 398 form pages is required. If an award is made, no changes to the submitted budget can be made without prior written approval from CPWR.</p> <ul style="list-style-type: none"> • Direct costs may include expenses such as salaries and fringe benefits for investigators and research assistants, fees for graduate students, supplies, incentives, travel and office expenses. • As for indirect costs, sponsoring institutions supported under this program are encouraged to waive the indirect cost to optimize the impact these funds may have in advancing construction worker safety and health, or consider a lower rate, such as an off-campus rate. CPWR recognizes, however, that the Uniform Grant Guidance allows an institution to charge its full negotiated indirect cost rate, and if investigator(s) choose to submit a proposal with their institution's full negotiated rate, documentation of the indirect cost rate agreement is required. • Travel. Travel costs must be detailed, justified, and included in the budget. No travel expenses in excess of what the federal government would reimburse its own employees will be reimbursable. International travel is not an allowable expense. • Equipment. No equipment with a per unit price of more than \$1,000 is allowable. |
| <input type="checkbox"/> Human Subjects Requirements | <p>If the study involves human subjects or uses data that includes personal identifiable information—whether in a laboratory or worksite setting—a review by an Institutional Review Board (IRB) is required. The IRB must be recognized by the Office of Human Research Protections, U.S. Department of Health and Human Services.</p> <ul style="list-style-type: none"> • While some studies may be exempt, that status must be determined by the IRB, and the approval letter included in the submission. |

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| | <ul style="list-style-type: none"> CPWR’s IRB chair will conduct a secondary review of the human subjects plan as well. <p>The researcher must address the handling of human subjects in the narrative of the proposal under the heading “Human Subjects.” This section replaces <i>Human Subjects and Clinical Trials Form</i> (TOC #12).</p> <p>This section should address the following items: identify the IRB of record and the plans for the study review, a description of the risks to subjects, sources of materials collected, plans for collecting and storing data, as well as plans for the protections against risk and opportunities for employers to discriminate against workers for participating. Survey, outreach scripts, consents, and other material should be included as an Attachment.</p> <ul style="list-style-type: none"> Human Subjects Protection Training certificates are required for all key staff (exempt and non-exempt). Certificates should be included in an Attachment. |
| Forms/TOC sections <u>NOT</u> required: | <ul style="list-style-type: none"> Introduction to Resubmission, 5. Vertebrate Animals, 6. Select Agent Research, 11. Authentication of Key Biological and/or Chemical Resources. 12. PHS Human Subjects and Clinical Trials Form, Inclusion Enrollment. Indicate N/A on the Table of Contents. |
| Audit request | A copy of the applicant organization’s annual federal audit or an electronic link to it (preferred) is required with the submission. The audit must have been performed in accordance with 2 CFR 200 – Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards. |
| Submission | <p>Submit to Patricia Quinn (pquinn@cpwr.com), CPWR Small Study Program Coordinator.</p> <ul style="list-style-type: none"> Only electronic submissions will be accepted. The application must be sent as <u>one PDF file</u> that includes the entire application in the correct order based on the table of contents. The application must be page numbered consecutively. Do not include unnecessary forms (such as the All Personnel Report, blank pages, agency mailing label, etc.). |

Full Proposal Review Process and Criteria

Proposals undergo a comprehensive review by CPWR scientists and experts, including members of its Technical Advisory Board and, when appropriate, external subject matter experts. Additionally, NIOSH conducts an independent review of the proposal. The review process will take no more than two weeks from the date of submission.

The following review criteria are considered:

1. Significance/need:
 - a. Does the proposed study address an important problem?
 - b. Are one or more of the NIOSH Strategic Goals, National Occupational Research Agenda for Construction objectives, or 2018 NIOSH Construction Program Expert Panel Review recommendations addressed, and are they relevant to CPWR's overall mission and areas of emphasis?
 - c. Have any stakeholders, such as labor-management organizations, expressed a need for research on the proposed topic? How/where is this need documented?
 - d. Are the proposed core component functions clearly defined and essential for achieving the study goals and supporting individual research projects?
 - e. If the proposed study's aims are achieved, how will the aims advance scientific knowledge?
 - f. What are the expected impacts on occupational injury or illness risks?
 - g. Could the findings or future tools/products generated by the research be used to discriminate against or impact individual worker's employment opportunities?
2. Approach:
 - a. To what extent are the conceptual framework or theory of change, design, methods, and analyses adequately developed, well-integrated, well-reasoned, and appropriate to achieve the proposed study's aims?
 - b. If a data set is to be analyzed, is it likely to produce the information sought? Is it the best source for the questions posed? Does the applicant identify and discuss potential data limitations?
 - c. Does the applicant acknowledge potential problem areas and consider alternative tactics?
3. Innovation:
 - a. Does the proposal challenge existing thinking, offer a new approach, or technology to solve the stated problems?
 - b. Is the proposal original and innovative?
4. Investigators:
 - a. Is the applicant well-qualified through academic and practical experience to examine the topic?
 - b. Is it likely the study will be completed in a timely manner?
 - c. Does the research team bring complementary and integrated expertise to the project?
5. Environment:
 - a. How well does the physical/scientific environment in which the work will be performed contribute to the probability of success?
 - b. Is the commitment of the applicant's institution evident and adequate to support the study in terms of space, resources, or administrative authority?
 - c. Does the location of the study within the applicant organization provide the

authority to facilitate multidisciplinary work for investigators across departmental lines or across schools in the university environment?

- d. Are partners from public and private organizations engaged? Did these organizations provide letters of support that describe their role and the extent of their participation?
6. Balance:
 - a. How does the proposed study fit with other CPWR research? Does it relate to CPWR mission or emphasis areas?
 7. Human Subjects:
 - a. Does the proposed study involve human subjects? Are plans for an IRB review included in the proposal?

Once CPWR reviews the application, a one-time revision may be requested. The applicant will have 3 business days to address any questions or comments and resubmit the proposal. Conditionally approved studies may be sent to the NIOSH Scientific Program Officer for further review. The applicant will receive an email notification regarding whether the proposal has been recommended for funding or rejected. Proposals will not be accepted if late.

Progress Review & Reporting Requirements for funded studies

After a study is funded, CPWR requires the Principal Investigator (PI) to submit periodic progress reports and a final report. The specific requirements for these reports will be included in the funding letter and are also outlined below.

Progress Reports

CPWR will use the PI's periodic written reports to monitor the study's progress. If necessary, CPWR staff or consultants may conduct onsite visits or virtual meetings to evaluate progress firsthand. The reporting schedule will be specified in the funding letter, and the release of funding installments will be contingent upon the submission of satisfactory progress reports and the final report.

The progress reports must be written in a language that is understandable to someone who does not specialize in the field of research. Abbreviations and language that may not be known to the broader scientific community should be avoided or, if essential, be clearly defined.

A progress report should be no more than three (3) pages and include (in this order):

- Objectives/specific aims progress
- Changes from the original scope, the reason, and how they are being addressed
- Accomplishments
- Problems that result in deviation from the methods or timeline and how they are being addressed
- Any changes in key staff, plans, or methods
- Interim results, including their relevance and practical application, and any related problem(s) encountered or anticipated
- Any publications or presentations derived from the study (completed or planned)

The progress report and any attachments should be submitted electronically to pquinn@cpwr.com. Reporting deadlines are outlined in the funding letter.

The Final Report

The final report is due by August 1, 2026 and should be submitted electronically to pquinn@cpwr.com in both MS Word and PDF formats. Reports should be succinct, no longer than fifteen (15) pages, and include the following sections in this order:

- **Abstract** (150 words or less)
- **Key Findings** (at least 5, listed in order of importance)
- **Table of Contents**
- **Introduction**
- **Objectives**
- **Methods**
- **Accomplishments and Results**, including their relevance and practical application
- **Changes/Problems** that resulted in deviations from the methods
- **Future Funding Plans**: If the findings justify expanding the research, the PI should outline plans for future research and potential funding sources.
- **List of Presentations/Publications**, completed and/or planned
- **Dissemination Plan**, detailing how findings will be shared

Attachments may be included and do not count toward the page limit.

CPWR will review the submitted report and may request clarifications or revisions. The investigator is expected to collaborate with CPWR's communications department to finalize the report for posting on CPWR's website. Failure to submit an acceptable report may delay the release of final funding payments and could affect eligibility for future CPWR funding.

Dissemination of Findings

The PI and other investigators involved in the study are encouraged to present the findings at conferences and to submit them for publication in scholarly journals and the trade press. All presentations, publications, journal articles, manuals, etc. must include the following acknowledgment/disclaimer:

This publication was made possible by CPWR–The Center for Construction Research and Training through cooperative agreement number U54OH012761 from the National Institute for Occupational Safety and Health (NIOSH). Its contents are solely the responsibility of the authors and do not necessarily represent the official views of CPWR or NIOSH.

Investigators are encouraged to pursue other standard academic and industry channels as well as news media for disseminating the results of their research.

If a journal article, news story, or other release of media about the findings is published in print and/or online, we ask that the investigator send a copy to CPWR. Please include links to the journal article/story/posting and any relevant media coverage or reactions from institutions or the public.

CPWR may publish the final report as a CPWR report on its website, produce and post a one-page “Key Findings from Research” document using the investigators’ abstract and key findings, and use other r2p and communications products and channels to disseminate the research findings. CPWR may also invite the investigator to present the study findings during a CPWR sponsored meeting or webinar. CPWR will not withhold the report or delay posting/publication solely to accommodate a journal’s requirement that there be no prior publication of the results.

