



Citizen Science Award: Monitoring Air Quality Kit

Subaward Program 2024-2025

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Funded by the National Library of Medicine, National Institute of Health under cooperative agreement number UG4L M012347

Performance Period

Performance Period: October 1, 2024 - April 1, 2025

Amount: \$0

Number of Awards Available: Minimum of 10

Application Deadline: April 1, 2025, 11:59 AM EDT

Additional Information: This is not a monetary award. Approved applicants will receive a citizen science kit. Applicants can choose between Exploring Biodiversity, Observing Pollinators, or Monitoring Air Quality.

Background/Purpose

The Network National of Library of Medicine Region 7 (NNLM Region 7) under cooperative agreement with the U.S. National Library of Medicine (NLM), announces the availability of kits through the Citizen Science Awards to fund citizen science initiatives that raise awareness of the environmental determinants of health and participatory science in their community.

Citizen science is broad in scope and can be used to better understand environmental factors that can influence human health, including physical, chemical, and biological factors that are external to a person, and all related behaviors. Collectively, these are referred to as environmental determinants of health (EDHs). Threats to any one of the EDHs can have an adverse impact on the health and well-being of the population. These environmental threats can occur naturally, human-made, or because of social conditions and ways people live. Understanding and addressing these EDHs will directly improve the health of the population.

Citizen Science projects are an innovative way to connect individuals and communities to projects that could benefit from robust data collection. Through community science, people can be engaged in programs that can directly improve their community's health outcomes. Citizen science efforts allow communities to engage with science as well as contribute to a broad project that looks at environmental health factors in their community.

This award is designed to support programmatic outreach in under-resourced communities with themed kits that address Exploring Biodiversity, Observing Pollinators, or Monitoring Air Quality.

Specifically, the Citizen Science Award seeks to address one or more of the following aims from the NNLM Region 7 cooperative agreement and supports NLM's mission to provide U.S. researchers, health professionals, public health workforce, educators, and the public with equal access to biomedical and health information resources and data.

- Advance health equity through national and regional partnerships and initiatives to ensure a variety of members and the public will have equal access to biomedical, health, and public health information and data.
- Awards must align with regional or national priorities relating to environmental determinants of health.

About the Monitoring Air Quality Kit and Project

This kit includes:

- Air Beam air quality instrument
- Storage Case

This project helps to create a better understanding of microscopic particles in the air that we breath.

Additional information about this kit and project is available through SciStarter:

<https://scistarter.org/citizen-science-kit-monitoring-air-quality>.

Eligibility

Applicants must be from institutions that are members of NNLM Region 7.

Membership is free and open to institutions interested in improving equitable access to health information.

To verify your membership, find out your NNLM ID or to apply for membership, contact NNLM Region 7 (email: nnlm-region7@umassmed.edu).

Application

Online Application Overview

You will need to submit your application online. It is recommended that you use the following outline to draft your proposal, then submit online since you can't save and return to the form later.

Project Proposal

- **Evidence of Need:** Provide a statement of how the Citizen Science Kit will support raising awareness of Environmental Health in your community. (Maximum 300 words)
- **Evaluation Plan:** How will you evaluate your Citizen Science Kit?
- **Publicity/Promotion:** Briefly describe how you intend to promote the Citizen Science Kit to your target population(s). (Maximum 100 words)
- **Participant Roles for the Citizen Science Award:** Check list provided in the application

Additional Information

Reporting:

- A final report is required no later than May 30, 2025, which consists of a brief statement (300 words or less) of how the citizen science kit was used in your community.

NIH Acknowledgement:

- Any resource developed with project funds must include an acknowledgment of NIH grant support and a disclaimer stating the following:
- "Developed resources reported in this [publications, press releases, internet sites] are supported by the National Library of Medicine (NLM), National Institutes of Health (NIH) under cooperative agreement number UG4L M012347. The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health."

Evaluation of Applications

Applications will be reviewed by: NNLM Region 7 staff.

Reviewers will score applications based on the following categories and criteria.

1. SIGNIFICANCE (60 points): The proposal:
 - a. clearly defines the target populations and programmatic outreach; and
 - b. provides evidence of need.
2. PROJECT PLAN (20 points): The project plan:
 - c. demonstrates potential to increase awareness of Environmental Health in your community; and
 - d. describes an effective publicity/promotion strategy.
3. EVALUATION (20 points): The evaluation plan is clear and uses sound methodology.

REPORTING: The applicant agrees to the reporting requirement. This is an inclusion/exclusion criterion. Applicants lacking this element will be disqualified.

Need additional information or help?

Contact Jessica Kilham, Associate Director NNLM Region 7
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