



U.S. Department of
Health and Human Services
Centers for Disease
Control and Prevention

Print Date: 6/27/24

Title: Science Ambassador Fellowship Summer Course Assessment 2024

Project Id: 0900f3eb823c7b58

Accession #: PHIC-EWBG4-6/17/24-c7b58

Project Contact: Marie Kumerow

Organization: PHIC/DWD/EWBG4

Status: **Project In Progress**

Intended Use: **Project Determination**

Estimated Start Date: 07/19/2024

Estimated Completion Date: 08/09/2024

CDC/ATSDR HRPO/IRB Protocol #:

OMB Control #: 0920-1163

Determinations

Determination	Justification	Completed	Entered By & Role
HSC: Does NOT Require HRPO Review	Not Research / Other <i>45 CFR 46.102(l)</i> Program Evaluation	6/18/24	Macaluso_Renita (arp5) CIO HSC
PRA:			

PRA Applies		6/18/24	Macaluso_Renita (arp5) OMB/PRA
ICRO: PRA Applies	OMB Approval date: 2/10/23 OMB Expiration date: 2/28/26	6/19/24	Zirger_Jeffrey (wtj5) ICRO Reviewer

Description & Funding

Description

Priority: Standard

Date Needed: 06/28/2024

Priority Justification:

CDC Priority Area for this Project: Not selected

Determination Start Date: 06/17/24

Description: The Science Ambassador Fellowship is the only program of its kind offered by CDC for STEM teachers and educational leaders interested in bringing public health sciences into middle and high school classrooms. This competitive fellowship includes a 5-day summer course at CDC headquarters in Atlanta, Georgia, and a 1-year distance-based professional development opportunity. This year the Science Ambassador Fellowship summer course will be held July 15-19, 2024. Participants in the summer course will learn about public health concepts directly from CDC experts, tour CDC#s facilities, and develop innovative public health STEM lesson plans to use in their classrooms. The Epidemiology and Laboratory Workforce Branch (ELWB) will be conducting an evaluation to assess participants# learning, their appraisals of the program, and opportunities for program improvement.

IMS/CIO/Epi-Aid/Lab-Aid/Chemical Exposure Submission: No

IMS Activation Name: Not selected

Submitted through IMS Clearance Matrix: Not selected

Primary Scientific Priority: Not selected

Secondary Scientific Priority (s): Not selected

Task Force Responsible: Not selected

CIO Emergency Response Name: Not selected

Epi-Aid Name: Not selected

Lab-Aid Name: Not selected

Assessment of Chemical Exposure Name: Not selected

Goals/Purpose The purpose of this evaluation is to improve Science Ambassador Fellowship offerings for middle and high school STEM educators.

Objective: The objective of the following survey is to address the following evaluation questions related to the Science Ambassador Fellowship (SAF): # To what extent has the SAF program delivered high quality in-person EPHS training sessions for secondary STEM educators? # To what extent has the SAF program improved the capacity of participating secondary STEM educators to effectively teach epidemiology and public health science (EPHS)?

Does your project measure health disparities among populations/groups experiencing social, economic, geographic, and/or environmental disadvantages?: No

Does your project investigate underlying contributors to health inequities among populations /groups experiencing social, economic, geographic, and/or environmental disadvantages?: No

Does your project propose, implement, or evaluate an action to move towards eliminating health inequities?: No

Activities or Tasks: New Collection of Information, Data, or Biospecimens

Target Populations to be Included/Represented: Other - Middle and High School Science Teachers

Tags/Keywords: Program Evaluation

CDC's Role: CDC is the sole institution conducting activity

Method Categories: Survey

Methods: This evaluation activity will consist of two methods: 1) participant experiences collected through an OMB-approved, web-based survey and 2) observational notes taken during a reflective discussion occurring during the summer course. To assess the extent to which the CDC Science Ambassador Fellowship (SAF) has delivered high quality in-person trainings for STEM educators that improve their capacity to teach epidemiology and public health science (see questions 1 and 2), the 2024 CDC Science Ambassador Fellowship Summer Course Survey will be distributed after completion of the summer course. It will measure self-reported short-term outcomes and gather feedback from participants on their experience attending the SAF Summer Course. Fellows are selected competitively through an application process and work as secondary STEM educators or other educational leaders. Following participation in the 5-day summer course, the survey will be administered anonymously on SurveyMonkey and include both open and closed-ended questions. These survey questions will collect feedback on sessions, knowledge rated retrospectively before and after the course, other short-term outcomes, perceived relevance of training, behavioral intention to teach epidemiology and public health topics, use of CDC resources, previous teaching experience, school characteristics, and participant demographics. This year we anticipate 26 participants in the SAF summer course. The evaluator will be taking notes during a 1-hour discussion session planned during the last day of summer course where participants will be asked to reflect on their experiences and how they can translate what they learned into the classroom. The facilitator will select discussion topics, which will prompt teachers to share their takeaways from the week, to think about their next steps for incorporating public health into their classrooms, to consider how they can be a champion for public health in their schools and communities, and to discuss how they can encourage their students to consider public health as a career option. This session is planned to help teachers bridge their experience in summer course with the virtual sessions planned during the rest of the year and their plans for teaching in the upcoming school year. Given the nature of this conversation, the program staff has asked the evaluator to take notes to better capture key insights into this process. These notes will be summarized to guide program planning for future summer course offerings and other educational resources developed by CDC. The notes will not capture any personally identifiable information or be linked to survey responses.

Collection of Info, Data or Biospecimen:

OMB-APPROVED SURVEY: CDC Science Ambassador Fellowship Summer Course Satisfaction Survey All in-person participants of the CDC Science Ambassador Fellowship Summer Course will be asked to complete an anonymous, web-based survey. The survey will be administered on SurveyMonkey and include both open and closed-ended questions. Quantitative data will consist mainly of Likert-scale questions to evaluate training sessions and to collect self-reported short-term outcome measurements, school characteristics and demographics. Open-ended questions will allow respondents to provide additional qualitative feedback and comments for improvement. The survey will be open from July 19, 2024 # August 19, 2024. Email invitations and reminder emails will be sent from the ELWBeval@cdc.gov inbox. NOTES COLLECTED DURING REFLECTIVE SESSION The Science Ambassador Fellowship Summer Course will be held from July 15-19, 2024. Participants in the summer course will learn about public health concepts directly from CDC experts, tour CDC#s facilities, and develop innovative public health STEM lesson plans to use in their classrooms. The evaluator will be taking notes during a large group discussion in which teachers are prompted to reflect on their experiences and how they can translate what they learned into the classroom. These notes will be coded to capture key insights to guide program planning for future summer course offerings and other educational resources developed by CDC. The notes will not capture any personally identifiable information or be linked to survey responses.

Expected Use of Findings/Results and their impact:

Survey findings and notes taken during the reflective discussion will be summarized in aggregate and used for program evaluation purposes. Results from the evaluation will be presented to the Science Ambassador Fellowship (SAF) program staff on the Curriculum and Training in Applied Epidemiology, Laboratory Science, and STEM (CaT) Team within ELWB to help plan future offerings and improve resources available on the website. They will be used by the SAF program to guide program planning for future summer course offerings and other educational resources developed by CDC. Aggregate data from the survey may be shared in abstracts or publications.

Could Individuals potentially be identified based on Information Collected? No

Funding

Funding yet to be added

HSC Review

HSC Attributes

Program Evaluation Yes

Regulation and Policy

Do you anticipate this project will need IRB review by the CDC IRB, NIOSH IRB, or through reliance on an external IRB? No

Estimated number of study participants

Population - Children

Protocol Page #:

Population - Minors

Protocol Page #:

Population - Prisoners

Protocol Page #:

Population - Pregnant Women

Protocol Page #:

Population - Emancipated Minors

Protocol Page #:

Suggested level of risk to subjects

Do you anticipate this project will be exempt research or non-exempt research

Requested consent process wavers

Informed consent for adults No Selection

Children capable of providing assent No Selection

Parental permission No Selection

Alteration of authorization under HIPAA Privacy Rule No Selection

Requested Waivers of Documentation of Informed Consent

Informed consent for adults No Selection

Children capable of providing assent No Selection

Parental permission No Selection

Consent process shown in an understandable language

Reading level has been estimated No Selection

Comprehension tool is provided No Selection

Short form is provided No Selection

Translation planned or performed	No Selection
Certified translation / translator	No Selection
Translation and back-translation to/from target language(s)	No Selection
Other method	No Selection

Clinical Trial

Involves human participants	No Selection
Assigned to an intervention	No Selection
Evaluate the effect of the intervention	No Selection
Evaluation of a health related biomedical or behavioral outcome	No Selection
Registerable clinical trial	No Selection

Other Considerations

Exception is requested to PHS informing those bested about HIV serostatus	No Selection
Human genetic testing is planned now or in the future	No Selection
Involves long-term storage of identifiable biological specimens	No Selection
Involves a drug, biologic, or device	No Selection
Conducted under an Investigational New Drug exemption or Investigational Device Exemption	No Selection

Institutions & Staff

Institutions

Will you be working with an outside Organization or Institution? No

Institutions yet to be added

Staff

Staff Member	SIQT Exp. Date	CITI Biomedical Exp. Date	CITI Social & Behavioral Exp. Date	CITI Good Clinical Practice Exp. Date	Staff Role	Email	Phone	Organization
Byron Robinson	08/01/2026		12/31/2021		Principal Investigator	wcn8@cdc.gov	404-498-6508	EWB GROUP 8
Caitlin Sullivan	06/30/2026				Program Official	uqd2@cdc.gov	404-498-3433	EPIDEMIOLOGY WORKFORCE BRANCH
Kelly Bloodworth	08/24/2026				Program Lead	xwo5@cdc.gov	404-498-6359	EWB GROUP 11
Marie Kumerow	05/17/2026		10/29/2022		Co-Investigator	mwi8@cdc.gov	- -	EWB GROUP 4
Meagan Davis	06/27/2026				Co-Investigator	yly5@cdc.gov	404-498-6311	EWB GROUP 4

Data

DMP

Proposed Data Collection Start Date: 7/19/24

Proposed Data Collection End Date: 8/9/24

Proposed Public Access Level: Non-Public

Non-Public Details:

Reason For Not Releasing Data: Removal of identifiers renders the remaining data of no value

Public Access Justification: The data is only collected to understand customer satisfaction and for the purposes of program improvement. No data is being collected that could be extrapolated for research or other use.

How Access Will Be Provided for Data: Survey data or discussion notes will be collected anonymously. Raw data will be accessed and analyzed by the evaluator and other SAF program staff who have completed a DWD data use agreement. Only aggregated and summarized findings will be presented to program staff as part of evaluation reporting and no individual level responses will be shared. No identifiers will be used in the attribution of quotes.

Plans for Archival and Long Term Preservation:

Spatiality

Spatiality (Geographic Locations) yet to be added

Dataset

Dataset Title	Dataset Description	Data Publisher /Owner	Public Access Level	Public Access Justification	External Access URL	Download URL	Type of Data Released	Collection Start Date	Collection End Date
Dataset yet to be added...									

Supporting Info

Current	CDC Staff Member and Role	Date Added	Description	Supporting Info Type	Supporting Info
	Zirger_Jeffrey (wtj5) ICRO Reviewer	06/19/2024	NOA 0920-1163 (2023)	Notice of Action	NOA 0920-1163_2023.pdf
Current	Kumerow_Marie (mwi8) Project Contact	06/17/2024	A survey to be distributed to participants of Science Ambassador Fellowship summer course, 2024. This survey is going to be submitted for review under OMB No. 0920-1163.	Data Collection Form	Att_1_2024_SAF Summer Course Survey.docx



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