

Workforce Improvement Project (WIPs) Proposal Form

Through the APIH cooperative agreements, CIOs can fund projects that focus on improving population health while engaging the existing workforce and future health professionals in various areas of public health practice.

Examples of Workforce Improvement Projects (WIPs) include, but are not limited to:

- Developing a curriculum or training for the public health workforce
- Establishing academic/practice partnerships to impact population health
- Convening a national workshop and publishing a guideline or white paper

Note that WIPs will be advertised to the APIH partner organizations for competition. For a WIP that receives two or more applications, CSELS will host an objective review panel like the process used for a Notice of Funding Opportunity. Each WIP application received will be reviewed by three objective reviewers, discussed during the panel, and then scored and ranked to determine an awardee.

Submitted By: Helmus, Lesliann E. (CDC/DDPHSS/CSELS/DHIS)

CIO: CSELS - Center for Surveillance, Epidemiology and Laboratory Services

APIH CIO Liaison Name	CIO Email	CIO Phone
Jackie Avery	lth7@cdc.gov	4044980167

Specify CIO if not listed above:

Division: DHIS

CIO Program Official: Felicia Hope (fah2@cdc.gov)

Phone: 4044980167

Email: lth7@cdc.gov

Mailstop: V25-3

Campus: Century Center

If other, specify campus:

Project Specifications

Office of Surveillance, Epidemiology and Laboratory Services

Division of Scientific Education and Professional Development



Project Title: Public Health Data Modernization Workshop

National Public Health Workforce Strategy Priority Area:

['Increase the capability of the existing workforce']

Project Description

Project Statement: Public health agencies rely on timely, high quality data to understand and improve the health of their communities. CDC's Data Modernization Initiative and the Coronavirus Aid, Relief, and Economic Security (CARES) Act provide funding for state, local, and territorial public health jurisdictions to improve how they gather, manage and use data to guide action. The volume of electronically available data, increasing connectedness, and powerful computing offer public health both opportunities and challenges. Modernizing data strategies, infrastructure and the workforce requires a sound understanding of the technology and strategic, well-coordinated planning.

Need for the project: Through this project, the selected academic center will plan, organize, and convene a two-day Public Health Data Modernization workshop in Atlanta for two persons from each of the public health jurisdictions that receive funding through the Epidemiology and Laboratory Capacity (ELC) Cooperative Agreement, Activity C2 (CK19-1904). Data modernization includes workforce, technologies, processes, and strategies that accelerate improvements to data quality, exchange, management, and use. The purpose of the workshop will be to convene the lead data modernization coordinators and possibly another scientist (e.g., informatician, epidemiologists, data scientist) to improve their ability to build data and informatics capabilities in their jurisdiction. The content of the workshop will be developed in coordination with CDC and should include training, sharing, and discussions about data modernization topics (e.g., data standards, analytics, shared services, effective technologies) and also include strategies for conducting workforce development in these areas.

Target population – if applicable (i.e. medical, nursing, public, health students; health departments; geographic area): Through this project, the selected academic center will plan, organize, and convene a two-day Public Health Data Modernization workshop in Atlanta for two persons from each of the public health jurisdictions that receive funding through the Epidemiology and Laboratory Capacity (ELC) Cooperative Agreement, Activity C2 (CK19-1904). Data modernization includes workforce, technologies, processes, and strategies that accelerate improvements to data quality, exchange, management, and use. The purpose of the workshop will be to convene the lead data modernization coordinators and possibly another scientist (e.g., informatician, epidemiologists, data scientist) to improve their ability to build data and informatics capabilities in their jurisdiction. The content of the workshop will be developed in coordination with CDC and should include training, sharing, and discussions about data modernization topics (e.g., data standards, analytics, shared services, effective technologies) and also include strategies for conducting workforce development in these areas.

Key outcomes: A well-coordinated two-day workshop in Atlanta that advances jurisdiction abilities to build data and informatics capabilities and infrastructure, with an evaluation to measure impact.

- Contribution to the public health workforce:
- Increased understanding of data system, standards and technology, especially shared services and enterprise approaches, and their potential to advance public health.
- Increased capability to use data to inform decision-making and support evidence-based practices and policies
- Well defined strategies to implement data modernization.

Project Focus Area

Center for Global Health (CGH)	
Center for Surveillance Epidemiology and Laboratory Services (CSELS)	Health informatics
Center for State, Local, Tribal, and Territorial Support (CSTLTS)	
National Center for Chronic Disease Prevention and Health Promotion (NCCDPHP)	
National Center for Emerging and Zoonotic Infectious Diseases (NCEZID)	
National Center for Environment Health/Agency for Toxic Substances and Diseases Registry (NCEH-ASTDR)	
National Center for Health Statistics (NCHS)	
National Center on Birth Defects and Development Disabilities (NCBDDD)	
National Center for Immunization and Respiratory Diseases (NCIRD)	
National Center for Injury Prevention and Control (NCIPC)	
National Center for HVI/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP)	

National Institute for Occupational Safety and Health (NIOSH)	
Office of the Associate Director for Policy and Strategy	
Other CIO	
Other Focus Area	

Awardee Strategies and Approaches: Describe possible strategies or approaches the awardee will address to implement the project. Note any required or recommend strategic partnerships or collaborations for implementing the project.

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- The workshop will be geared to the recipients of the ELC Cooperative Agreement – Activity C2. These recipients will have:
 - Identified a focal point to lead data modernization in their health departments.
 - Developed an assessment of their public health workforce and data and health information systems to identify opportunities for modernization.
 - Developed an overall strategy for modernizing their agency data infrastructure and workforce.
- The assessments and plans should be synthesized and used by the public health partner to plan and develop the content of the workshop.
- The workshop should include strategies and content for building the leadership and informatics capabilities of the jurisdictional leads for data modernization.
- Strategies for developing capabilities should include recommendations for additional and targeted learning and training after the workshop (e.g., plans for peer-to-peer learning).
- The workshop should be evaluated to assess learning by and relevance to attendees.
- Collaboration should include State, territorial and large local health departments that receive funding through the ELC Cooperative Agreement – Activity C2 and public health partner organizations that support the public health functions of these jurisdictions.
- Coordination with CDC’s Center for Surveillance, Epidemiology and Laboratory Services (CSELS) is expected on workshop strategies and execution.

CDC-CIO Staff Activities: Describe expected CDC-CIO project staff involvement in the project, including technical assistance and other program support and monitoring activities. Describe anticipated requirements for reporting.

CSELS will collaborate with the recipient on workshop strategies and execution and will be a resource for information about jurisdiction modernization assessments and modernization plans. The recipient should plan to meet with CDC one to two times each month.

Special Eligibility Requirements: Describe and provide justification for any special requirements applicants would need to successfully execute this project. This might include related to organizational capacity or unique skills.

Recipient should have extensive knowledge of and expertise in public health information systems, including surveillance systems; general health information systems; public health informatics; public health surveillance processes and practices; data exchange; data management; data analysis and presentation; and public health decision making.

Recipient should have expertise and experience planning and hosting workshops and designing and implementing workforce development activities related to data, informatics, and health information systems (e.g., workforce assessments, training). Experience working with state health and local department staff on data and informatics topics is essential.

Review Criteria: Applications will undergo an objective review. Clearly describe criteria that will be used to evaluate applications. List criteria by importance in descending order and assign scored values for each criterion; the total value should equal 100 points.

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- Demonstrated expertise in public health informatics and understanding of public health data systems and data practices. (30 points)
- Demonstrated understanding of information technology opportunities and ability to assist public health in evaluating their potential impact. (30 points)
- Demonstrated success in developing and implementing workforce development and training activities for the public health sector. (25 points)
- Expertise and experience planning and hosting workshops. (15 points)

Other Information: Provide additional information that would be useful for applicants, such as web links to more information about the CDC program or other reference materials.

Project funding is intended to cover planning, materials, staff, the workshop, evaluation, follow-up, and meeting room costs. Workshop participants from public health agencies have their travel to and from the workshop covered through the terms of the ELC Cooperative Agreement – Activity C2.

Link to information on CDC's Data Modernization Initiative: [Data Modernization Initiative | CDC](#)

Total Duration of Project

1 year

Approximate Total Project Period Funding: Provide a total funding estimate, subject to availability of funds. If project is for 2 years, break out the funding by each year. Include awardee direct and indirect costs.

\$286,100.

Approximate Average Award: Provided an award estimate for the 12-month budget period, subject to availability of funds.

\$286,100.

Approximate Number of Awards (per year)

1

Budget Planning Worksheet

\$5000.0	Administrative fee of 10% of the first \$50,000 of the award (capped at \$5,000)
\$8900.0	Association indirect fee (This reflects the maximum fee. Final association indirect fee might be less, depending on the awardee.)
\$286100.0	Amount to be awarded per awardee
\$300000.0	Total anticipated cost per award

