



*CDC-RFA-OE20-20010101SUPP20: Enhancing Public Health Laboratory
Capabilities and Increasing Capacity*

Supplemental Project Proposal

Appendix D: Informatics





Appendix E: Informatics

Focus Area Name: Informatics

Focus Area Contact Information

Jasmine Chaitram, zoa6@cdc.gov

Jason Hall, zfr9@cdc.gov

1. General Information

Project Name Informatics - eCR

Project Activity Contact Information Laura Conn

Approximate Amount of Supplemental Funding Available \$6,341,173

2. Project Description

I. Purpose

Provide leadership, strategy, policy, standards development and maintenance, technical assistance and technical solutions to support healthcare and public health agencies to implement and operate the standards-based data exchange for electronic case reporting (eCR)

II. Justification

Manual, paper-based reporting to public health for reportable conditions is slow, if done at all, and incomplete. Using data of interest to public health that exists in electronic health records has been proven to be much more complete and triggerable behind the scenes, not interrupting healthcare workflow, such that case reports can be created and transmitted to public health thru AIMS.

III. Identification of need

Under CDC guidance and in collaboration with CSTE, PHAs, and healthcare organizations, APHL will fully operationalize and operate eCR services. The program will support the connection of eCR-enabled electronic health records (EHRs) in healthcare provider organizations and EHR vendor hubs. It will connect directly and via the eHealth Exchange



hub, by connection to Health Information Exchanges (HIEs) and Health Information Networks (HINs). APHL will support the receipt and processing of electronic Initial Case Reports (eICRs), their processing in RCKMS, the creation of a Reportability Response (RR), and delivery to PHAs.

In addition, APHL will design and implement the scaling of eCR management and technical operations to accommodate initial nationwide rollout. Scaling will include the addition of needed technical operations support and technical infrastructure to balance the operational load, implement native cloud services for improved performance, and minimize latency.

IV. New or expanded project

This is an expansion of the existing eCR project.

1. Outcomes

Activities in this project should achieve or contribute to the following proximal outcomes:

PO-8. Improved understanding of data-related challenges and data-informatics solutions among laboratory professionals and stakeholders

Activities in this project should achieve or contribute to the following intermediate outcomes:

IO-5. Improved data exchange and interoperability among public health laboratories and their partners

Activities in this project should contribute to the following long-term outcome:

Improved effectiveness of public health laboratories, individually and as components of a national system

2. Strategies and Activities

List specific strategies, activities, and process measures

Strategy/Activity	Process Measure
S4. Laboratory Quality, Safety, and Informatics for Public Health Testing Services, Surveillance and Response	TBD
S4.1. Develop and implement informatics-related solutions and standards to	TBD



improve data exchange and interoperability	
S4.1.2 Reuse existing data systems, services and software solutions	

Please note: APHL is expected to collaborate with their CDC point of contact and/or technical monitor for this project to develop realistic measurable process objectives. In response to this proposal, APHL should provide a detailed work plan with: Outcomes, outcome measures, strategies/activities, and process measures.

3. Budget

CELS/DLS project officers will provide budget spreadsheet for APHL to complete for requested funds by object class category

By submitting this project plan, I certify that my CIO currently does not maintain a comparable NOFO for similar activities and the proposed use of funds is consistent with the appropriation.



Recoverable Signature

X Laura Conn

Technical Monitor Signature

Signed by: ed6b1355-2f84-4798-8eae-3620fb0eb497

