Center for Surveillance, Epidemiology and Laboratory Services (CSELS)/Division of Laboratory Systems (DLS)

FY 2020 CIO PROJECT PLAN

CDC-RFA-OE15-15010502SUPP20: CDC/APHL Partnership: "*Strengthening Public Health Laboratories*"

GENERAL INFORMATION	
1	**PROJECT/ACTIVITY TITLE: APHL Exposure Notification Proof of Concept**
2	**CIO: OCOO/OCIO**
3	**CIO POC Name: Jason Bonander** **CIO POC E-Mail Address: zjz2@cdc.gov** **CIO POC Phone Number: 770-488-5606**
4	**PROPOSED FUNDING:** $457,125 (Whole #s Only)
5	**DURATION OF FUNDING:** ☐ Remainder of Current Budget Period Only (*through June 30, 2021*): ☒ Remainder of Project Period (*through June 30, 2021*): ☐ Other: Please specify. (One Year ONLY)

PROPOSED PROJECT/ACTIVITY	
6	☒ **New Project/Activity?** **Need Identified by:** ☒ **Grantee** ☐ **CIO** ☐ **Existing Project/Activity?** **Projects/Activities currently identified in the published NOFO reflected below. Select the project/activity that is most suitable.** **Cross-Cutting Areas *(Identify specific project/activity)*:** ☐ Laboratory Strengthening and Leadership ☒ Public Health Preparedness and Response ☐ Public Laboratory Informatics ☐ Global Health ☐ Laboratory Systems and Standards ☐ Workforce Development **Program Specific Areas (I*dentify specific project/activity*):** ☐ Newborn Screening and Genetics ☐ Environmental Health ☐ Infectious Diseases ☐ Food Safety ☒ Other. Specify: COVID-19

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PROJECT DESCRIPTION; JUSTIFICATION; BONA FIDE NEED; GOALS, AND GENERAL OR SAMPLE ACTIVITIES TO BE UNDERTAKEN: CDC, APHL, Google, Apple, Microsoft and a handful of states are getting ready to pilot the Apple | Google Exposure Notification (EN) platform. When individuals opt-in to a state-sponsored app, the platform sends a notification to individuals if they were in the vicinity of someone who tested positive for COVID. The platform leverages low-energy Bluetooth technology (on mobile devices) in combination with state/national privacy-protecting server infrastructure that enables COVID-19 lab test verification and the exchange of "keys" used for notification. Central server infrastructure is needed in order to both test the technology as well as support cross jurisdictional alerting. APHL, with assistance from Microsoft and Google, is standing up this server infrastructure.

Key Activities or Deliverables: (1) Azure cloud computing environment; (2) Key server; (3) Data Sharing Agreements w/ participating States

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PROGRAM OUTCOMES THAT RELATE TO SUPPLEMENTAL NOFO: *(Select all that apply)*

Mid-Term Outcomes

- ☐ Promotes competent, collaborative, and practice ready PHL workforce
- ☐ Improves laboratory methods, systems, and informatics capacity
- ☒ Increases laboratory effectiveness in response to public health needs, including emergencies
- ☐ Improves public health laboratory detection and response programs
- ☐ Develops model policies and tools for quality and safe PHL practice
- ☐ Assures CLIA standards and good laboratory practices are followed by PHLs and are promoted to clinical laboratories performing tests of public health importance
- ☐ Other:

Long-Term Outcomes

- ☐ Reduces incidence and prevalence of preventable diseases and public health threats
- ☐ Reduces morbidity and mortality equitably delivered throughout the United States and the world
- ☒ Protects the public from public health threats
- ☐ Creates sustainable and resilient PHLs that effectively and efficiently adapt to evolving public health needs
- ☐ Revises standards for the PHL system resulting in a more efficient, higher quality, and safe PHL system
- ☐ Other _____

BUDGET INSTRUCTIONS

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GENERAL INSTRUCTIONS FOR USE OF FUNDS – AS APPLICABLE (e.g., budget restrictions based on appropriation):

CIO CERTIFICATION

10	**By submitting this project plan, I certify that my CIO currently does not maintain a comparable NOFO for similar activities.** 7/14/2020 X Jason Bonander Signed by: PIV