



Global Health Technical Support for Global Public Health Data Innovation

Task Order: Informatics Profile Toolset Repository

Background:

APHL Global Health has conducted several assessments and reviews in countries around the world, to determine infrastructure, laboratory workflows, workforce capacity, data storage and recovery, LIMS implementation monitoring and data quality among others. These tools have been used to keep track of systems deployed, help identify appropriate solutions for improving informatics capacity and provide a status overview to country health leadership. There is a wide range of tools and questions currently available and often laboratory leadership is challenged with making sense of these tools and applying the findings generated through these tools in a meaningful way.

Scope of work:

The goal of this project is to create a library of questions/tools that can be used by countries to develop a national standard laboratory informatics capacity profile. GPHDI countries will access the library and be able to select from questions that can either be used as a checklist or have a maturity scale. They will 'pull' reference questions as needed to create their own custom capacity assessment tool. APHL global health will provide the questions/checklists/maturity scale. The goal is for countries to document baseline laboratory informatics capacity based on a set of gold standards and thereby identify gaps in their current laboratory information systems.

Phase 1 of this project will be limited to enabling countries to create a custom capacity assessment tool with the ability to work offline

Phase 2 of this project will allow countries to create and use their tool online, save data, view results. Analysis of results will be done offline

Countries will use the findings from this assessment tool to develop a technology roadmap.

Submission:

The contractor is requested to submit a proposal (not exceeding 2 pages) that includes the following:

- Outline contractor's approach to this task
- Expected timeline to be following with key milestones,
- Resources to be committed by the contractor
- Requested budget allocation.

Please note this task order is being sent to several groups from the APHL GPHDI RFP

The deadline for this submission is August 31, 2023 to be submitted to hewan.moges@aphl.org.

The selected contractor will be notified by September 21, 2023.



Global Health Technical Support for Global Public Health Data Innovation

Task Order: Requirements Repository

Background:

APHL Global Health has conducted several requirements gathering activities for information systems needs of laboratories in countries around the world, to determine functional and technical requirements, rank priorities, capture challenges as well as things that work well, and assist laboratories with defining their workflows and dataflows. Laboratories are often challenged with defining their needs in a manner that can be translated into an information system design.

Over the years, APHL has developed requirements from the lowest tier of laboratory to a national reference laboratory.

Scope of work:

The goal of this project is to create a laboratory information systems requirements library that can be used by countries to develop a requirements document specific to their context. GPHDI countries will access the requirements library and be able to select from statements and 'pull' them into their own custom requirements document. APHL global health has matrixes that include requirements that keep in mind infrastructure, data management, LIS levels of support, as well as the overall operations that need to be performed by laboratories nationally.

The goal is for the newly created custom matrix to be a roadmap and a tool; roadmap for moving the laboratory's business processes and functions towards the leadership's visions for public health surveillance while conforming to the enterprise architecture developed to improve healthcare services in the country.

Countries will be able to create their custom requirements matrix for each tier of laboratory, moving statements as well as functional areas to suit their needs, make changes easily and download the file.

Phase 1 of this project will be limited to enabling countries to create a custom capacity assessment tool that they can download and complete offline

Phase 2 of this project will allow countries to create and use their tool online, save data, and view results. Analysis of results will be done offline to identify gaps.

Countries will use the findings from this assessment tool to develop a technology roadmap.

Develop an electronic version of the library of assessment questions/tools that have been utilized to document systems that have been deployed, develop solutions for assessing current lab informatics capacity. Design, development, implementation of HIS country profile/Lab informatics capacity tool to deploy to multiple countries.



Submission:

The contractor is requested to submit a proposal (not exceeding 2 pages) that includes the following:

- Outline contractor's approach to this task
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