Request for proposals (RFP) for a Digital Health Technical Advisor

Title : Digital Health, Technical Advisor
Country : Mali
City : Bamako
Duration: 10 months
Program : Country Program – Mali

Terms of Reference
Version : June 2024

Background:
The Clinton Health Access Initiative, Inc. (CHAI) is a global health organization committed to our mission of saving lives and reducing the burden of disease in low-and middle-income countries. We work at the invitation of governments to support them and the private sector to create and sustain high-quality health systems.

CHAI was founded in 2002 in response to the HIV/AIDS epidemic with the goal of dramatically reducing the price of life-saving drugs and increasing access to these medicines in the countries with the highest burden of the disease. Over the following two decades, CHAI has expanded its focus. Today, along with HIV, we work in conjunction with our partners to prevent and treat infectious diseases such as COVID-19, malaria, tuberculosis, and hepatitis. Our work has also expanded into cancer, diabetes, hypertension, and other non-communicable diseases, and we work to accelerate the rollout of lifesaving vaccines, reduce maternal and child mortality, combat chronic malnutrition, and increase access to assistive technology. We are investing in horizontal approaches to strengthen health systems through programs in human resources for health, digital health, and health financing. With each new and innovative program, our strategy is grounded in maximizing sustainable impact at scale, ensuring that governments lead the solutions, that programs are designed to scale nationally, and learnings are shared globally. Learn more about our exciting work: http://www.clintonhealthaccess.org

Technology can play a key role in achieving these objectives. CHAI staff embedded within Ministries of Health (MOHs) work with Digital Health Units, Departments of Information Systems, and individual disease programs to apply technology effectively to catalyze government public health goals. This includes the design and development of fit-for-purpose and scalable digital products, scaling and institutionalizing technologies, and creating an enabling digital ecosystem within and outside of the MOH. CHAI's goal is to ensure strong and capable MOH programs that have the knowledge, systems, and organizational abilities to efficiently achieve their goals.

SCOPE OF WORK
CHAI is seeking a driven and highly motivated individual to drive digital solutions implementation work in Mali. The individual will work closely with internal teams and external partners to provide technical leadership and help the Mali government to ensure the appropriate capacity, systems, and governance required to maintain and sustain digital e-LMIS is in place with the EPI. The individual will provide strategic input and operationalize thoughtful digital health strategies, advices, and policies; support training

sessions related to the management, maintenance, and governance of technology solutions; and support the documentation and management of digital infrastructure.

In the short and medium term, the position will be focused on supporting the existing digital health solutions (e-LMIS/Medexis) initiated at the MoH level with the support of USAID's Project in 2020, including: (i) extension to the management of immunization products through the via the levels of the health pyramid system (National, regional and operational) , (ii) Cold Chain Equipment monitoring including temperature (iii) the support of training of the stakeholders, (iv) data analysis for decision making, and (v) vaccines stock monitoring. In addition, the candidate will support the development of a platform for visualization of immunization data.

The successful candidate must possess strong communication, organizational, and project management skills. They must exhibit a passion for results, a commitment to excellence, and the capacity to facilitate multi-stakeholder and strategic discussions.

ROLE AND RESPONSIBILITIES:

Implementation of digital solutions and general support to stakeholders/users (50%)

- Scope and advise on systems and processes for device management, user support, and other foundational systems for health programs.
- Elaborate and document coherent, context-appropriate, and technology/equipment's requirements in partnership with government programs, end users and CHAI staff.
- Work with external owners of digital solutions to communicate requirement needs and priorities; test provide regular feedback on bugs, expectation and functionality to ensure solutions are being well functioning expectation and make sure deadlines are met.
- Support technical set up and configuration, user testing, training, supervision, monitoring, issue escalation, and transition of systems.
- Work with MOH on operational, technical, and financial sustainability of all systems from the beginning, ensuring a strong transition and institutionalization of systems (regular update with MoH actors, training, creating an including working environment, accountability) .
- Contribute to the development of manuals, SOPs, and training materials to support implementation; help train country and MOH program staff in the use of information technology.
- Help cultivate a culture of data-use within MOHs by supporting CHAI country teams to monitor and strengthen the quality of data inputs, refine analytical outputs, and develop context-appropriate strategies to strengthen the usage and analysis of data by MOH programs.

Scoping and Strategic Leadership (20%)
- Supporting the scoping activities of the e-LMIS/Medexis for EPI Mali. Work closely with CHAI teams, governments, Donors and external organizations to identify and document challenges, and existing efforts around digital health strategies, foundational systems and applications, standards and policies, infrastructure, and workforce strengthening.

- Build and maintain a strong relationship with the MOH and partners, being key advisor on the strategic and operational activities, and working with them on a more coordinated and effective digital health environment.
- Refine, document, and guide CHAI's approach to working with governments on development of EPI Mali's e-LMIS strategies, roadmaps, and costed workplans for digital health. Work with CHAI teams and governments to identify and prioritize resource gaps, and develop new funding proposals with and for national governments.

Technical Support (20%)
- Assist in the configuration of data collection, management, reporting, and analysis tools as needed. Update and thoroughly test tool set ups, including updates to users, organization units, data elements, indicators, data collection forms, and dashboards based on requirements and feedback from end users.
- Provide ad-hoc support to teams, particularly with data management and visualization.

Knowledge Management (10%)
- Ensure up-to-date documentation is in place to support roll out and maintenance of digital products
- Develop resources, guidelines, and other material to guide and share lessons across teams
- Document lessons learned on technical products for CHAI-wide or global sharing, progress and global report.

QUALIFICATIONS
- Bachelor's degree in information systems, computer science, business, health sciences, public policy, or related field; Master's degree preferred.
- At least 7 years' working experience with increasing levels of responsibility and leadership in management consulting, technical project management, product management, or in a similar role.
- Proven experience in planning, designing, and implementing technology-based solutions across the full software delivery lifecycle with stakeholders and users.
- Knowledge of common health information management systems and digital global goods (e.g., DHIS2, OpenLMIS, CommCare etc.).
- Exceptional written and oral communication skills; ability and experience communicating effectively with people of varied professional and cultural backgrounds.
- Experience living or working in resource-limited contexts.
- Demonstrated excellent analytical, strategic, and problem-solving skills.
- Ability to work well both independently and as part of a multidisciplinary team.
- Strong work ethic, integrity, credibility, and dedication to CHAI's mission
- High levels of proficiency in Microsoft PowerPoint, Excel, and Word
- Ability and willingness to travel approximately 10% of the year.
- Speak and write fluently in both French and English.

Advantages
- Master's degree in information systems, business, public policy, or related field
- Experience working and communicating with government officials, multilateral organizations, or development donors.
- Experience working on integration of information management systems.

- Experience with system administration, server set up and hardware management.
- Understanding of interoperability principles and standards (HL7, IHE, FHIR)
- Visualization software experience (Tableau, PowerBI, Superset)
- Programming Languages: SQL, Core Java, JavaScript, html, Angular, react.js
- Operating systems: Ubuntu, Linux, Windows
- DevOps experience: Docker, Jenkins, Infrastructure management- Cloud (AWS, Azure, GCP, Physical server), networking, security.
- Experience in defining and measuring performance of digital products.
- Experience or knowledge of health finance, public finance, or finance for development.

SUMBISSION REQUIREMENT:
Interested candidates must please submit proposals containing the following documents to: Dr. Abdoulaye Traore - atraore@clintonhealthaccess.org – by **August 15th, 2024; 5PM** (GMT)

1	Letters of recommendation from at least 3 clients/employers in the health sector and/or three references who previously served in a supervisory capacity. *Letters should be dated within the last 5 – 8 years*
2	Curriculum vitae
3	Detailed description of previous similar work