

**TAHub010: Call for Individual Technical Experts:
Health information Systems Specialist / Digital Health & Systems Integration Specialist
2gether 4 SRHR TA Hub**

TERMS OF REFERENCE	
Hiring Office:	2gether 4 SRHR
Background of consultancy	<p>The 2gether 4 SRHR Programme is a joint United Nations initiative bringing together UNAIDS, UNFPA, UNICEF, and WHO to advance sexual and reproductive health and rights (SRHR) across East and Southern Africa. A central pillar of the programme is strengthening digital health ecosystems to improve the availability, integration, and use of data for decision-making and accountability.</p> <p>Across the region, countries have made significant investments in digital health systems, including the adoption of platforms such as DHIS2 for routine data reporting. However, these systems often operate in silos, with limited interoperability between service delivery systems, health information platforms, and financing systems. This fragmentation constrains the ability of governments to generate comprehensive, real-time insights across the health system.</p> <p>A major gap lies in the lack of integrated digital architectures that connect service delivery data, financial flows, and programme performance. Health financing data including budgets, expenditures, and resource allocation are often managed separately from routine health information systems, limiting visibility into efficiency, equity, and impact of investments in SRHR. In addition, many countries face challenges in scaling digital solutions beyond pilot phases due to limitations in system design, governance, infrastructure, and technical capacity. Facility-level systems remain partially digitized, and data collection processes are often still paper-based or fragmented across multiple platforms. This results in inefficiencies, duplication of effort, and reduced data quality.</p> <p>At the same time, there is growing demand for advanced analytics, data visualization, and AI-enabled solutions to support real-time monitoring, predictive insights, and decision support. The emergence of data hubs, digital platforms, and integrated analytics systems—such as regional and national data repositories—presents an opportunity to transform how SRHR data is managed and used.</p> <p>The 2gether4SRHR provides a strategic opportunity to address these challenges by promoting interoperable, scalable, and sustainable digital health solutions. Through collaboration with Regional Economic Communities (EAC and SADC), the programme aims to strengthen regional data systems, enable cross-country analysis, and enhance accountability through integrated digital platforms and scorecards.</p>

	<p>To operationalize this vision, there is a need for specialized expertise in digital health systems, DHIS2 deployment, interoperability, and integrated data platforms, including the development of systems that link service delivery and financing data. This includes leveraging emerging technologies such as artificial intelligence and machine learning to enhance data quality, analytics, and decision-making.</p> <p>The Technical Assistance (TA) Hub has been established to provide rapid access to such expertise. This call seeks to identify specialists who will support countries and regional institutions in designing, deploying, and sustaining interoperable, data-driven digital health ecosystems that strengthen SRHR outcomes.</p>
<p>Purpose of consultancy:</p>	<p>This call seeks to identify technical experts to support the following areas of work:</p> <ol style="list-style-type: none"> 1. DHIS2 setup, configuration, and deployment 2. Development of interoperable digital health systems 3. Integration of health financing and expenditure tracking systems 4. Development of data platforms, dashboards, and AI-enabled solutions
<p>Scope of work:</p> <p><i>(Description of services, activities, or outputs)</i></p>	<p>Selected technical experts will be invited to register for the TA Hub to provide technical assistance to regional institutions and countries in one or more of the following areas:</p> <p>1. DHIS2 Configuration, Setup and Deployment This area focuses on strengthening national digital health systems through effective deployment and use of DHIS2.</p> <ul style="list-style-type: none"> ● Lead end-to-end DHIS2 configuration and rollout ● Configure datasets, indicators, dashboards, trackers, and validation rules ● Develop and deploy standardized DHIS2 metadata packages ● Support system upgrades, maintenance, and capacity building <p>2. Digital Health Systems Development This area focuses on building integrated digital systems to support service delivery and data management.</p> <ul style="list-style-type: none"> ● Design and develop integrated digital health architectures ● Support development of facility-level electronic systems (EMRs, digital registers) ● Ensure integration with national RHIS platforms <p>3. Interoperable Health Financing Systems This area focuses on linking financial and service delivery data for improved accountability.</p> <ul style="list-style-type: none"> ● Develop systems for tracking SRHR budgets, expenditures, and resource allocation

- Integrate financing systems with RHIS/DHIS2 platforms
- Support national health accounts, expenditure tracking, and efficiency analysis
- Enable linkages between financing and service delivery data

4. Data Platforms, Warehousing and Hubs

This area focuses on strengthening centralized data systems and integration.

- Design and implement data warehouses, lakes, and integrated data hubs
- Support development of national and regional SRHR data platforms
- Enable integration of multiple data sources

5. Data Collection Systems

This area focuses on improving data capture through digital solutions.

- Develop mobile and web-based data collection platforms
- Support digitization of paper-based systems
- Ensure scalability and usability

6. Data Visualization and Decision Support Systems

This area focuses on transforming data into actionable insights.

- Develop dashboards and visualization tools
- Design analytics portals and decision-support systems
- Enable real-time monitoring and reporting

7. AI and Advanced Analytics Integration

This area focuses on leveraging advanced technologies to enhance data use.

- Develop AI-enabled analytics and predictive models
- Support automated data quality checks and anomaly detection
- Develop decision-support tools for policymakers

8. Interoperability and Enterprise Architecture

This area focuses on ensuring seamless integration across systems.

- Implement interoperability standards (FHIR, APIs, HL7)
- Integrate DHIS2 with EMRs and financing systems
- Align with national digital health strategies

9. Capacity Building and Knowledge Transfer

This area ensures sustainability and local ownership of systems.

- Train national teams on systems, analytics, and platforms
- Support institutionalization of systems

10. Undertake any other tasks

	<ul style="list-style-type: none"> Undertake any other digital health and systems-related tasks as assigned.
Duration and working schedule:	Assignments will be determined based on specific technical assignments identified by the participating UN agencies, countries and other regional partners. Those specific assignments will include information on duration and working schedule.
Place where services are to be delivered:	Details will be determined based on the specific technical assignments identified by the participating UN agencies, countries and other regional partners.
Delivery dates and how work will be delivered (e.g. electronic, hard copy etc.):	Details will be determined based on the specific technical assignments identified by the participating UN agencies, countries and other regional partners.
Monitoring and progress control, including reporting requirements, periodicity format and deadline:	Regular check-in meetings
Supervisory arrangements:	Technical experts will be contracted by the relevant UN agency and/or partner using their identified procurement processes.
Expected travel:	Travel will be based on the nature of the assignment that the technical expert may be contracted for.
Required expertise, qualifications and competencies, including language requirements:	<p>Education: Advanced degree in Health Informatics, Computer Science, Information Systems or related field</p> <p>Experience:</p> <ul style="list-style-type: none"> Minimum 7 years in DHIS2, digital health systems, or data platforms Strong experience in systems development and interoperability Experience in systems integration Experience in analytics, dashboards, or AI desirable Experience with DHIS2 and routine data systems <ul style="list-style-type: none"> Experience working with governments, RECs, or UN agencies

	<ul style="list-style-type: none"> • Demonstrated ability to work in a multicultural environment and establish harmonious and effective relationships both within and outside the organization; • Previous experience in the region • Previous experience/exposure to the UN sustainable development system, UN operational activities, policies, and UN SDG financing strategies and platforms preferable. <p>Languages:</p> <ul style="list-style-type: none"> • Fluency in English; knowledge of other official UN languages (French, Portuguese) is desirable.
<p>Inputs / services to be provided by 2gether 4 SRHR or implementing partner (e.g support services, office space, equipment), if applicable:</p>	<p>Specific details will be determined based on the technical assignment for which the candidate is eligible for.</p>
<p>Other relevant information or special conditions, if any:</p>	<p>To be registered for future assignments please submit your CV and cover letter, and three relevant examples of your previously published work, such as high-quality technical outputs (e.g., DHIS2 systems and dashboards, Interoperability and system integration examples, Health financing and expenditure tools, Data platforms, dashboards, and AI solutions and Evidence of real-world use and impact.). Please note that not submitting the required samples may lead to your application being disqualified.</p> <p>Please share your application through the 2gether 4 SRHR Technical Assistance Hub via the on-line registration link: https://tahub.2gether4srhr.org/</p> <p>Upon registering you will be asked to input the title of the Call you are applying for: TAHub010 / Health information Systems Specialists / Digital Health & Systems Integration Specialist.</p>