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Approved by  
S/ia. P. P. P.  
12 SEP 2024  
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## Vacancy Announcement

### Health Information Systems (HIS) Analyst - (1 Position)

**Location:** (Juba Based)

ICAP at Columbia University seeks highly qualified and experienced candidates to fill the position of **Health Information Systems (HIS) Analyst** to be based in Juba South Sudan. The position is for a period of 12 months subject to renewal on availability of funding and very good performance.

ICAP at Columbia University, is a global health leader situated within the Columbia University Mailman School of Public Health in New York City. ICAP's global team supports programs and research that address major health issues, HIV, Covid -19 response, malaria, tuberculosis, maternal and child health and non-communicable diseases. Headquartered at Columbia University's Mailman School of Public Health in New York City, has offices in over 20 countries. Our multidisciplinary team includes staff with technical, clinical, implementation, research, operations, program, and financial management expertise.

ICAP ensures the wellness of families and communities by strengthening health systems around the world.

The Health Information Systems (HIS) Analyst will lead ICAP's effort to strengthen the Ministry of Health's (MOH) capacity to establish robust National Health Information Systems (HIS) through technical assistance and skills transfer at the national level. S/He will lead the development and implementation of the Open MRS electronic register, DHIS2, lab information system (STS), and other health information systems. The incumbent will lead the planning, procurement of ICT equipment, management, monitoring, and troubleshooting of all Health information systems' software and hardware infrastructure while scaling up the Systems coverage in South Sudan. S/He will plan and implement capacity-building strategies including training and mentorship for the users of these systems. The HIS analyst will provide technical and leadership oversight to the users at the sub-national levels.

### ROLES AND RESPONSIBILITIES

Under the direct supervision of the SI Project Advisor, the HIS Analyst is responsible for, but not limited to the following:

#### Coordination

S/He will.

- Initiate the formation of the national EMR steering committee, core team and sub-TWG, and the national HIS developers' community.
- Provide the liaison between the system developers and the system users - user feedback, system maintenance and upgrade notifications, quality assurance, and administration.
- Coordinate interfacility collaboratives such as initiatives on experience sharing, shared challenges, and peer support systems.
- Responsible for maintaining system standards, designing and coordinating the utilization of standard operating procedures on the operation of the E-register and other health information systems.

- Organize and coordinate technical and system management meetings with key stakeholders including the Open MRS community and regional EMR developers.

### Technical

- S/he will lead the planning, design, development, and implementation of the modular incremental Open MRS electronic register, DHIS2, Lab information system (STS), and other health information systems
- Provide technical support as a lead system developer to the community of HIS developers in South Sudan.
- Work with the HIS and program teams to develop the functional and non-functional system requirements specifications for modules to guide system customization.
- Lead site identification and assessment and rollout of the Open MRS electronic register, DHIS2, Lab information system (STS), and other health information systems
- Initiate, lead, and coordinate the assessment of selected health facilities for system scale-up, and identify infrastructural, technological, and operational needs for system installation.
- Support the procurement and installation of all required ICT hardware and software.
- Monitor the performance of the system and lead customizations, testing, implementation, enhancements, and upgrades as required, and troubleshoot system issues.
- Ensure that the hardware used to run the system is functional and has up-to-date virus protection.
- Assess the capacity and requirements for digital health information systems interoperability – initiate, coordinate, and implement with all relevant stakeholders.

### Capacity building

- Provide training to mentors and facility-level staff on the use of the E-register and digital health solution systems
- Provide onsite and remote technical support to facilities implementing E-register and other systems.
- Train staff on good data security practices such as system login credentials (system password, computer passwords) and unsafe links.

### System Data use and management

- Lead the development and management of system dashboards and visualization to support data-driven decisions on program performance.
- Regularly support data collection, interpretation, and analysis from the E-register platform to show results focusing on patterns and trends in data sets.
- Design, develop, and define new system data requirements and the data collection and analysis process, and coordinate with system developers to incorporate them into the E-register
- Lead the design and maintenance of data systems and databases; this includes fixing coding errors and other data-related problems such as validation rules errors in collaboration with the system developers.
- Perform other related duties as assigned by the supervisors.

### ICAP is looking for a candidate with the below required skills & experiences:

- A master's degree in computer science, Software Engineering, Information Technology or Health Informatics
- Advanced training in Health Information Systems Programming, Electronic Medical Records, Health Informatics, and Data Analytics



- Mid - advanced level training certification in Open MRS and DHIS2.

**Note:** This is a national hire position, and the successful candidate will be an employee of ICAP in South Sudan subject to the local terms and conditions of employment which includes a competitive salary and benefits package.

**How to apply:**

Click on the link to apply

[Global Careers - ICAP at Columbia University](#)

**Application Deadline is September 30, 2024.**

[Columbia University](#) is an equal opportunity and affirmative action employer. It does not discriminate against employees or applicants for employment based on race, color, sex, gender, religion, creed, national and ethnic origin, age, and citizenship, status as a perceived or actual victim of domestic violence, disability, marital status, sexual orientation, status as a Vietnam era or disabled veteran, or any other legally protected status.

