Vacancy notice

Consultancy: Programmer, Database Developer, Analyst

The Statistics and Information Services unit of the WHO-Department of Reproductive Health and Research (WHO/RHR/SIS) seeks two qualified short-term consultants to assist with electronic data capture (EDC) system development, perform user acceptance testing (UAT) of the electronic document archival system currently under development, and generate progress report of current research studies with ongoing data collection.

The incumbent must demonstrate in interview and through sample of prior work, as well as recommendations from previous employers the capacity to work independently and achieve specified tasks.

This consultancy will be performed remotely by the successful applicant. There will be occasional travels to WHO headquarters in Geneva, Switzerland to work with the responsible officer; and to collaborate with other SIS staff. This contract has a start date of July 1, 2018 and an end date of 31 December 2018. Compensation will be commensurate with training and experience, and may be pro-rated if less than 100% effort (i.e., 40 hours of work per week) is opted.

The purposes of this consultancy are to provide technical expertise in development and testing of EDC systems for RHR research projects, and to assist the SIS staff in routine extraction of collected data and analysis for reporting of study progress. Under this contract, the consultant will also contribute to the on-going project of e-Archival system development, specifically in user acceptance testing and migration of documents from closed projects.

The consultancy requires a university degree or certificate (in computer science, information management, or other related field), a minimum of five years of experience, preferably in database development and programming. The work also requires an individual with the capacity to work with minimal supervision, work well with a team of data base developers and researchers, and efficiently meet deadlines and produce results.

Please submit (i) a letter of motivation, and (ii) your curriculum vitae to hrx-info@who.int indicating “Vacancy Notice for SIS Consultancy” in the subject line. All applications received will be acknowledged.

Closing date for applications is Friday, 8 June 2018.
Terms of reference

Organizational Background

Statistics and Information Services unit at WHO/RHR supports data management and statistical needs of approximately 15 multi-centre multi-country research studies which are at varying stages of development and implementation. Most of these studies are managed by the SIS unit internally and some are outsourced. Tasks for the SIS data management team include collaboration with the study team for Case Report Form (CRF) finalization, development of the EDC system in OpenClinica Enterprise and Participate software, functionality testing of the EDC system on the test server internally and externally with mock data, development of training material including study specific standard operating procedures (SOPs), launching the database on production server, training the data collection centres on the EDC and SOPs, establishment of the data extraction process for generating data monitoring and analytic reports, and finally archiving collected research data and essential study documentation.

RHR includes the UNDP/UNFPA/UNICEF/WHO/World Bank Special Programme of Research, Development and Research Training in Human Reproduction (HRP). HRP is the main instrument within the United Nations system for promoting, conducting, evaluating and coordinating interdisciplinary research on sexual and reproductive health; for collaborating with countries in enhancing national capacities to conduct this research; for promoting and facilitating the use of research results in policy-making and planning for sexual and reproductive health care; and for the setting of standards and guidelines, including technical and ethical guidelines, in the field of sexual and reproductive health research. More information about HRP can be found at http://www.who.int/reproductive-health/hrp.

Summary of duties:

Under the guidance of the responsible SIS data manager, the Consultant will:

1. Develop research databases in web-based OpenClinica EDC system for collection, coordination and management of research data

2. Extract and aggregate data for reporting study progress

3. Conduct user acceptance testing of the electronic document archival system currently under development.

4. Provide support for the research studies as they arise

The individual will work as a part of a team of experienced and skilled staff, other developers, and data managers to support research to improve global sexual and reproductive health.
Duration of contract

The contract spans a period of 6 months (July 2018 - December 2018). Minimum contractual period for successful candidate is 6 months.

WHO Competencies

1. Producing results.
2. Technical expertise.

Essential educational qualifications

This work requires a university degree in computer science, information technology, or related field. Certification from accredited academic institutions may be considered.

Essential knowledge and skill

At least 5 years of experience as programmer, developer, or IT specialist including
1. Design and development of management information systems for web-based application
2. Programming in computer languages for back-end database manipulation
3. User Acceptance Testing

Desirable experience

Electronic data capture (EDC) system development with proven expertise in backend programming and validation testing, preferably in OpenClnica Enterprise or Participate platform.

Language Skills

Essential: Excellent command of both written and spoken English

Other Skills

1. Exceptional relational database development skills.
2. Strong planning and organizational skills, demonstrated ability to deliver high-quality products under tight deadlines.
3. Ability to establish and maintain good working relations with other developers and team members.