**Associate, Research Data Management, Centre of Excellence in Women and Child Health at Aga Khan University Hospital**

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## Job Description

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Aga Khan University Hospitals in Karachi, Pakistan and Nairobi, Kenya are private, not-for-profit institutions providing high quality health care. The Main Hospitals serve as the principal sites for clinical training for the University's Medical Colleges and Schools of Nursing and Midwifery in Pakistan and East Africa. Our Vision of Aga Khan University Hospital, Nairobi is to be the premier, tertiary, teaching and referral health care facility in sub-Saharan Africa. â€‹For over fifty years, Aga Khan University Hospital, Nairobi (AKUH) has been taking care of families in East Africa. As a private, not-for-profit hospital, we strive to provide access to quality healthcare to all who need it. At AKUH, patients are our first priority.

**Job Summary**

The AIMIX project (Inclusive Artificial Intelligence for Accessible Medical Imaging Across Resource-Limited Settings) is a research project that aims to develop artificial intelligence aided pregnancy screening using low-cost fetal ultrasound. The study is being conducted as a collaboration between the Aga Khan University, The Kilifi County Department of Health, University of Barcelona and other institutions. This position is required to contribute to recruitment of participants, data collection and follow-up for the research study and related studies.

The successful candidate will be required to design and develop the study database and data collection tools for the study. He/she will also lead study team activities related to data

collection, participant and sample ID management, tracking of participant follow-up, management of all data & IT devices, management of user accounts and supporting IT infrastructure at the recruitment sites. His/Her role will involve coordinating data management activities and supervision of data collection teams. S/He will also be the point person in interactions with AKU ICT team, data teams from other research projects in CoEWCH and the collaborating institutions.

S/He will be required to comply with stipulated guidelines related to informed consent, data collection and data handling and maintain utmost confidentiality of the data.

The position is based at Rabai sub-county Hospital in Kilifi county. The role will include some travel between study sites e.g. Nairobi and other health facilities in Rabai sub-county.

**Responsibilities**

**Develop and maintain the central and field level (health facility) data handling systems for the study/studies**

Contribute to the design and set up of study databases;

Manage all study data handling systems: both paper and electronic;

Testing and troubleshooting data handling systems.

**Coordinate all study data activities**

Alongside the study coordinator and data manager, coordinate all study data related activities;

Ensure synchrony between data related activities and other research and clinical activities at the sites.

**Train research and clinical staff on data collection principles and practice**

Prepare training schedules synchronized with other training activities and guided by the study/project coordinator;

Conduct training related to data entry and data quality and use of devices e.g. Tablets, bar code scanners;

Continuously assess training needs for the team and arrange appropriate refresher training as needed.

**Oversee data collection activities**

Supervise clinical and research teams in their data handling tasks;

This includes enumerators and nurses as well as other members of the data team.

**Data security**

Implement and enforce regular data security activities such as backups, archiving and user administration.

**Other Duties**

Preparation and compilation of reports for data and study activity as agreed with supervisors;

Liaison with the data teams in partnering institutions;

Be the study contact person with the Aga Khan University's ICT team in tasks related to data management, internet and intranet connectivity, user accounts and logins and device setup;

In collaboration with AKU ICT team and other providers – Ensure the network set up, running smoothly and is of sufficient capacity to handle study needs; and

Facilitate data sharing where appropriate and with necessary approvals.

**Requirements**

Bachelor's level education in any of the following or closely related fields: Information Technology, Computer Science, Statistics, Medical Informatics;

Training and/or or demonstrable competence in any/most of the following: MS-Access, SQL-Server, MySQL, Oracle, DHIS-2, ODK and ODK-Tracker, REDcap;

Training and/or demonstrable competence in any of the following statistical packages Stata, SPSS, R;

At least 1 year progressive data management experience;

Relevant experience in a health research environment including community and public health facility settings will be an added advantage;

Relevant experience in multi-centre / multi-country projects will be an added advantage;

Demonstrable programming proficiency in at least 2 of the following: MS-Access, SQL-Server, MySQL, Oracle, DHIS-2, REDCap, ODK;

Proficiency with data management procedures: data cleaning, manipulation, summarization, tables, listings, graphics and report generation;

Experience in programming and troubleshooting electronic field data capture platforms;

Experience in data analysis will be an added advantage; and

Demonstrated ability to coordinate and supervise large data entry teams

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