**Position Title:** Research and Implementation Data Scientist  
**Reports to:** HMEI Manager  
**Location:** Harper (with visits to other sites)  
**Employment Type:** Full Time

**Position Overview:** The Research and Implementation Data Scientist is responsible for ensuring that PIH-LIB utilizes data and builds stronger data systems to respond to our patient needs while helping to strengthen local and national health systems. S/he will work closely with the Health Monitoring, Evaluation and Informatics (HMEI) Lead and Manager to set strategy for optimizing data use and dissemination. The Data Scientist will be utilizing existing data to strengthen clinical and community health programs, support development and proposal development, along with identifying and implementing opportunities for research. Additionally, the Data Scientist will spend significant time capacitating HMEI team members, PIH staff, MOH colleagues, and Tubman University students in data analysis and use.

**General Responsibilities:**  
The Research and Implementation Data Scientist will be responsible for day-to-day management of data collection, cleaning, and analysis of facility-based and household-level data collection initiatives newly underway to demonstrate PIH’s impact in Maryland County. This will include guidance and troubleshooting with field data collectors and facility staff charged with conducting household and patient surveys, data cleaning/validation, and analysis. This role will also lead initiatives to utilize existing monitoring data to strengthening our programming, quality of care, and dissemination of results. Additionally, the Data Scientist will explore ways to strengthening data systems and identify new opportunities for research. The Data Scientist will support implementation and operational research in order to improve access to health care, improve the health care delivery quality and efficiency, and disseminate our results of our PIH-MOH partnership with the Ministry of Health.

**Specific Responsibilities**
- Lead strategic information analysis and use to improve and support our clinical and community health services
- Assist in developing and implementing quantitative, qualitative, mixed-methods projects and quality improvement projects
- Support and mentor local staff in methods for rigorous data collection, validation and analysis/visualization
- Conduct routine data analysis aimed at strengthening data quality, data systems, indicators, and use
- Build data use and research capacity within PIH, and other partners including MOH and Tubman University
- Assist PIH-LIB and PIH Boston in preparing reports and presentations, with emphasis on ensuring we share the highest quality data and analyses with funders, Ministry of Health and other stakeholders
- Develop strategic analysis and research plans in conjunction with clinical and community health team focusing on priority areas including HIV, TB, maternal health, child health, mental health, and community programs
• Support finding and competing for strategic research grants, with emphasis on opportunities to strengthen building local research capacity
• Support leadership, clinical and community teams in identifying and preparing submissions for local/international research conferences and publications
• Support review of analysis and publications to academic journals and research presentations that are presented at national and international conferences
• Work closely with the HMEI team to gather high quality data and appropriate indicators
• Liaise and support relationships with academic partners

Core Competencies:

• Professionalism – Demonstrated use of initiative and ability to make appropriate linkages in work requirements and anticipate next steps and requirements.
• Ability to maintain accurate and specific records and inventories.
• Planning and Organizing – Effective organizational skills and ability to independently plan and manage work in an efficient and timely manner.
• Communication – Ability to communicate effectively, both orally and in writing.
• Technology Awareness – Good technical skills, the incumbent is aware of the latest technology related to generator and the appropriate safety regulations related to the installation, repair and.
• Proficiency in fault-finding using applicable test instruments. Familiar with, and able to use workshop equipment in a safe and efficient manner. Ability to correctly interpret and assess diagnostic test results and provide the necessary remedial actions in an efficient and timely manner. Familiar with basic computer operation and word processing. Demonstrates initiative and willingness to learn new skills.
• Teamwork – Good interpersonal skills; ability to work in a multi-cultural, multi-ethnic environment with sensitivity and respect for diversity and gender.

Qualifications

Education:
• Master’s degree in the health sciences, public health or social sciences.

Experience and Expertise

Technical Competencies

• Substantive experience within a health-related research field in a low-income setting.
• Significant knowledge of global health research, implementation science and research, quantitative and qualitative methods.
• Experience in conducting research and translating that research into manuscripts, policy briefs and influencing practice.
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- Proven ability and vested interest in building technical capacity within a team
- Knowledge of statistical programs required, with high desirability for expertise in R
- Demonstrated skills in data visualization required, with experience in PowerBI or comparable software a plus
- Experience in database design and management a plus
- Experience in working closely with national ministries and universities will confer an advantage.
- Self-driven, confident and articulate with the ability to work with minimal supervision
- Exceptional communication skills (Oral and written)
- Demonstrated ability to collaborate with professionals at all levels in diverse settings; must be flexible, reliable, responsive, and resourceful
- Ability to prioritize multiple tasks, work under pressure, and meet deadlines
- Willingness to live and work in a rural setting in Liberia
- Professional fluency in English required

**Behavioral Competencies**
- Demonstrated passion for strengthening the health system in Liberia
- Leadership qualities – strategic visionary, able to work with staff of diverse backgrounds and skill levels
- Professional – resourceful problem-solver, adapts well to changing priorities and demands
- Interpersonal skills – able to communicate effectively, active listener, and provides constructive feedback; team player; able to build, motivate and mentor the HMEI team

**Organizational Profile**
Partners In Health (PIH) is an international health organization relentlessly committed to improving the health of the poor and marginalized. PIH partners with local governments to build local capacity and works closely with impoverished communities to deliver high-quality health care, address the root causes of illness, train providers, advance research, and advocate for global policy change. PIH currently has implementation programs in Haiti, Rwanda, Lesotho, Liberia, Kazakhstan, Malawi, Peru, Mexico, Russia, Sierra Leone and Navajo Nation. Through our partnership with Harvard Medical School and the Brigham and Women’s Hospital, we support a wide range of programs in dozens of other countries around the world.
Partners In Health (PIH) is committed to the fundamental principle of equal opportunity and equal treatment for every prospective and current employee. It is the policy of PIH not to discriminate on the basis of race, color, national or ethnic origin, ancestry, age, religion, creed, disability, sex and gender, sexual orientation, gender identity and/or expression, military or veteran status, or any other characteristic protected under applicable federal, state or local law. PIH works in and with a number of governments in and outside the U.S., and to the extent applicable, this statement is intended to incorporate the prohibition of any unlawful discrimination covered by applicable laws in such countries, states and municipalities.