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Data Analyst - LSS - Bihar

Organization:

Foundation for Innovative New Diagnostics (FIND) is established in India as an independent non-profit organization created under Section 8 (Indian) Companies Act, 2013 with its office in New Delhi. FIND India is the key implementing partner of Central Tuberculosis (TB) Division, Ministry of Health & Family Welfare, Government of India, for strengthening and expanding TB laboratory diagnostic capacity within the Revised National TB Control Program (RNTCP) supported by the Global Fund. FIND India is a subsidiary of FIND, an international non-profit organization based in Geneva, Switzerland. The organization is dedicated to activities that result in; 1) new diagnostic tools; 2) expanded access to these tools; and 3) strengthened diagnostic testing capacity for poverty-related diseases in low- and middle-income countries.

For more information, please visit www.finddx.org

Project Background:

A responsive, accessible, and pandemic resilient public health system is critical towards early detection, accurate treatment, and continued care management. This is especially true for Bihar, India with its high proportion of rural population (88.7%) and persons below the multi-dimensional poverty line (51.9%- highest in the country). Bihar faces many challenges towards building an adequate public health laboratory diagnostic capacity to meet its demand. Public health laboratories are cornerstones of a public health system with availability of high-quality diagnostics, the first step towards accurate disease detection and containment. Recognizing the need to establish a uniform code for equitable access to quality diagnostics, the Indian Council of Medical Research (ICMR) under the aegis of Ministry of Health and Family Welfare (MoHFW) has developed India's National Essential Diagnostic List (NEDL) recommending tests for both communicable and non-communicable diseases at each health facility (HF) level based on utility, demand, infrastructure & personnel availability. In the absence of suitable capacity, it recommends following a "hub and spoke model" to drive cost-effective test availability. The recently launched Pradhan Mantri – Ayushman Bharat Health Infrastructure Mission (PM ABHIM) along with Guidelines on Integrated Public Health Laboratories (IPHL) by the MoHFW, Government of India, focuses on establishing integrated public health laboratories. 8. At district and sub-district levels, providing quality assured diagnostic services aiding clinical management, public health surveillance and supporting outbreak investigations.

The state of Bihar is committed to strengthening and upgrading testing facilities along a "hub and spoke model" - a tiered system designed to provide patient-centric care and minimize patient drop-off. This project is focused on supporting the Government of Bihar in its endeavor to improve the diagnostic services.

Objective and Primary Outcome:

The main objective of the program is improving outbreak preparedness of the healthcare facilities, the proposed activities under the project will ensure adoption of IPHL guideline and follow IPHS-NHM norms at each level of health facilities. The project intends to lead to following outcomes:

- Building diagnostic capacity at all levels of the public health system including strengthening in-house lab services as per Government of Bihar (GoB) strategy and in line with India's NEDL and IPHL norms supporting development and implementation of a public-private partnership (PPP) for diagnostic services (in support of Government of Bihar plan and subject to award of tender by Government of Bihar)

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- Strengthening quality diagnosis across tiers by building and implementing a quality management system (QMS) with continued mentoring mechanism
- Building sustainable laboratory capacity towards disease surveillance (focusing on febrile illnesses) through capacity building.

Location: Patna, Bihar

Job description:

The Data Analyst will work closely with the Team Lead, M&E specialist, and project team at FIND, as well as the State officials and other stakeholders of identified districts to support implementation of project. The Data Analyst will be expected to use analytical and quantitative methods to understand, predict and enhance process to health diagnostic services and communicate their outputs using data visualization and detailed reports. The specific activities & responsibilities will include but not be limited to:

- Independently work on one or more analytical tools like Excel, and others (like access, and other statistical tools – SPSS etc.) for analysing data sets and presenting findings related to national health programs.
- Support data analysis using Biostatistical methods.
- Work with project team and Bihar state's disease programs and partners to define and identify relevant data sources to support the objectives of the project.
- Provide training and coaching support to officials of state health systems and partners, around data collection, data cleaning, and data validation.
- Collect, compile and interpret state/ district level data relevant to the objectives of the project (including disease surveillance data)
- Assess available data, identify data gaps and limitations, proactively suggest, and implement approaches to clean and integrate. Suggest assumptions to fill identified data gaps along with justification for them.
- Identify, analyse, and interpret trends and patterns from the district data and share reports with relevant project stakeholders.
- Provide data analysis support for the writing of publications and scientific presentations.
- Regularly update supervisor another team members on the progress and difficulties experience.
- Any other task assigned time to time.

Qualification and Experience required:

- Bachelor's degree (Master's preferred) in biostatistics with a strong data element, computer science, information management, data science and analytics or related data -intensive field.
- Minimum 3 years relevant experience of working with large data sets in data management and/or data analytics role including independently handling data collection, cleaning, validation, and analysis.
- Advanced problem-solving, analytical, and qualitative skills, including significant experience working with Excel.
- Ability to select the right tool for analyses e.g., quick analyses using MS Excel or more detailed analyses using statistical software such as SPSS, Stata.
- Willingness to expand knowledge base and take on new topics.
- Work well in teams of multi – cultural backgrounds.
- Superior problem – solving skills and detail oriented.

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- Experience with databases like MS SQL server and automation using Python/VBA will be preferred.
- Good coordination skills.
- Strong interpersonal, oral, and written communication skills. Team oriented.
- Willing to travel approximately 25% of the time.
- Candidates with knowledge of R or Python and/or ability to present insights in easily understood data visualizations using software such as Tableau will be preferred.

Nature of Appointment:

The selected candidate shall be on a fixed term employment contract. The initial offer will be until **31 December 2023**.

Compensation offered:

The gross remuneration budgeted for the position shall be commensurate with the qualifications, experience and performance during interview process.

Deadline to send your application:

Please mail a motivation letter, a detailed resume and three references to HR-IN@finddx.org and by **24 September 2022**.

But don't wait until the deadline! We will start screening right away and if we find the right person, we will stop searching.

Please note that only shortlisted candidates will be contacted