This consultancy is requested by:

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| Unit: | WHE |
| Country Office:  | Pakistan |

1. **Purpose of the Data Analyst Consultancy**

Purpose of the consultancy is to support the WHE team and department of health with surveillance data management, epidemiological analysis and preparing periodic (daily / weekly/monthly) reports for epidemic prone diseases.

1. Background

Pakistan is prone to frequent outbreaks of Waterborne (AWD), Vector borne (Malaria, Dengue etc) and other epidemic prone diseases due to its overcrowded cities and towns, poor environmental, hygienic and sanitation conditions, and unsafe drinking water supply. The frequent natural disasters including floods, earthquakes, and draughts also add to the risks of diseases outbreaks in the country. The surveillance system for early detection of outbreaks, investigation and response in the country is still in its early stages. Early detection, investigation, and response to outbreaks threats during emergencies is critically needed to control the epidemics.

WHO is supporting government of Pakistan in many technical areas including strengthening disease surveillance and data analysis for early detection of outbreaks and clusters of cases, monitoring the disease trend to bring timely intervention and stop spread of the disease during emergencies. To strengthen the surveillance and disease outbreak response and to support government efforts, in emergencies WHO is hiring short term data analyst consultants. The services of the data analyst are required to support data analysis and generating situation reports on the AWD/Cholera, Malaria, Dengue and other epidemic prone diseases.

1. **Planned timelines** (subject to confirmation)

Start date: 1 August 2023
End date: 31 December 2023funds)

1. **Work to be performed**

Under the guidance of the WHE Surveillance team and the overall supervision of the WR, the incumbent shall perform the following duties, as data analyst in WHO-WHE Pakistan at the Provincial WHO sub-offices / at WCO

1. **Deliverable:** Support WHO sub-office and the department of health to manage the emergency surveillance data and maintain data quality
	1. Collect data from the Surveillance data focal persons at the district health offices/provincial DG Health office/ sentinel surveillance sites
	2. Ensures quality of data by (regular data edits, cleaning) and compile daily / weekly data for the communicable diseases including epidemic prone disease (eg. AWD/Cholera, Malaria/ Dengue and other diseases) at provincial and district level
	3. Maintains surveillance diseases database using Epidata, Epi Info, Excel, and other statistical software under direct supervision of head of Provincial sub-office and Surveillance officer / Team lead
2. **Deliverable:** Conduct surveillance data analysis and produce daily/weekly reports for action:
	1. Conduct statistical analysis of surveillance data and interpret results to facilitate generation of recommendations for actions
	2. Prepare graphs, tables and prepare drafts of daily and weekly Epidemiological Report
	3. Perform other data extraction and statistical analysis as needed by the provincial WHO team
	4. Support the surveillance team in alert verifications and data collection when required
3. **Deliverable:** Oversee and provide guidance on surveillance data collection and analysis process
	1. Provides on the job training and guide the department of health data operators and strengthen their capacity.
	2. Support to maintain timeliness and completeness of surveillance data reporting
	3. Participate in the rapid needs assessment and health service gap analysis and priority setting during emergencies.
4. Perform other duties as requested by supervisor.
5. **The consultant will submit monthly performance reports for the deliverables expected of him/her**
6. **Technical Supervision**

The selected Consultant will work in the supervision of:

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| --- | --- | --- | --- |
| Responsible Officer:  | Dr Musa Rahim NPO Surveillance | Email: | rahimmu@who.int  |
| Manager: | Dr Michael Lukwiya, WHE Team Lead | Email: | lukwiyam@who.int |

1. **Specific requirements**
* Qualifications required:

University degree, preferably in epidemiology / biostatics / FELTP Certificate/Information Technology

* Experience required:

At least 2-5 years’ experience in data management and analysis.

* Skills / Technical skills and knowledge:
	+ - Good computer data analysis skills using Epidata, Epi Info, Excel, Word and other software
* Language requirements:

Good knowledge of English and local language.

1. **Place of assignment**
2. The data consultant will be assigned with WHO Country office Islamabad/WHO sub-offices Sindh/ Balochistan/Punjab/ Khyber Pakhtunkhwa/AJK/GB and will provide data management and analysis support in the emergency affected districts.
3. **Medical clearance**

The selected Consultant will be expected to provide a medical certificate of fitness for work.

1. **Travel**

The Consultant is expected to travel according to the need and approval by the provincial Head of Office:

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| --- | --- |
| **Travel dates** | **Location:** |
| From | xx | To | xx |  |
| **Purpose:** |  |

*All* ***travel arrangements*** *will be made by WHO – WHO will not be responsible for tickets purchased by the Consultant without the express, prior authorization of WHO. While on mission under the terms of this consultancy, the Consultant will receive* ***subsistence allowance****.*

*Visas requirements: it is the consultant’s responsibility to fulfil* ***visa requirements*** *and ask for visa support letter(s) if needed.*