CONSULTANCY
Terms of Reference

The consultancy is ordered by:

<table>
<thead>
<tr>
<th>Unit</th>
<th>MRD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department</td>
<td>MCA</td>
</tr>
<tr>
<td>Applications to be sent to:</td>
<td><a href="mailto:deay@who.int">deay@who.int</a></td>
</tr>
<tr>
<td>Deadline for application</td>
<td>20 Sep 2020</td>
</tr>
</tbody>
</table>

1. Purpose of the Consultancy

WHO seeks a consultant to support the efforts to
1. perform statistical analysis of the Antibiotics in childhood diarrhoea (ABCD) study as per the ABCD antimicrobial resistance (AMR) group stipulated analysis plan.
2. Coordinate with the WHO staff, antimicrobial resistance (AMR) sub study group, and the PIs of the ABCD trial to develop final models and tables as requested.

2. Background

ABCD (AntiBiotics for Children with high-risk Diarrhoea) is a research project on the management of children with diarrhoea, coordinated by the MCA department at the WHO headquarters in Geneva. The aim of the ABCD trial is to test if child mortality for diarrhoeal diseases can be reduced by treating those at highest risk with suitable antibiotics. The trial is implemented in three Asian countries (Bangladesh, India, Pakistan) and four African countries (Mali, Kenya, Malawi, Tanzania). Within each of these countries, there is a research institution and team of researchers, who are implementing the trial as subcontractors to the WHO.

As part of the AMR sub-study, antimicrobial resistance to certain bacteria in study participants and their household contacts has been tested. Data collection is complete.

3. Scope of work performed

- Input and lead the analysis plan with the WHO and the AMR subgroup, and develop a data set of required variables for analysis.
- Liaise with WHO to obtain an analysable dataset.
- Compile data summaries and interact with sites as needed to resolve data queries/clarifications that arise during the analysis. While data cleaning is expected to be complete in large part, there could be minor errors at the stage of analysis that need clarification and correction.
- Analyse the dataset as per the analysis plan developed by the ABCD AMR group and produce the required tables. The development of the final tables will be an iterative process involving the WHO and the ABCD AMR group. Data summaries to be organised on request.
• During this six week consultancy, the consultant will actively communicate with liaise with the WHO team and the ABCD PI group.

• Produce a final ABCD AMR sub study set of result tables as per the analysis plan and in communication with the WHO and the AMR sub study group.
• Structure the results section of the AMR paper for publication with support from WHO and sites.

4. **Expected Deliverables**

1. Final analysable dataset for the AMR sub study
2. Data analysis as per the analysis decisions of the AMR sub study group and in consultation WHO
3. Results section of the manuscript in consultation with the WHO and ABCD AMR study team

4. **Technical Supervision**

The selected Consultant will work under the supervision of Dr Ayesha De Costa of the Department of Maternal, Newborn, Child and Adolescent Health and Ageing.

5. **Timelines**

Start date: 1 October 2020  
End date: 30 November 2020

6. **Work effort**

30 working days in the above time interval

7. **Specific requirements**

- **Qualifications required:**
  • A PhD in epidemiology/ biostats/ public health
  • Strong data analytical skills and experience

- **Experience required:**
  • At least 5 years of experience with data analysis in the context of pediatric diarrhoea.

- **Skills/Technical skills and knowledge:**
  • Conversant with SAS/ STATA
  • Experience with analysing data in studies on diarrhoeal pathogens

- **Language requirements:**
  • Strong written and oral communication skills in English

8. **Place of assignment**

The consultant is allowed to work remotely, in the current pandemic, with fortnightly online debriefing to the WHO and the AMR subgroup.
9. Remuneration

Remuneration will be based on WHO standard daily rates for consultants commensurate with the level expertise and experience required which varies from USD 383 to 479 per day. Payments will only be made as per submission of satisfactory deliverable.

10. Travel

The Consultant is not expected to travel. The consultant will work remotely.

11. Deadline for applications is 20 September 2020

12. Additional information

Only candidates under serious consideration will be contacted.

In the event that your candidature is retained for an interview, you will be required to provide, in advance, a scanned copy of the degree(s)/diploma(s)/certificate(s) required for this consultancy. WHO only considers higher educational qualifications obtained from an institution accredited/recognized in the World Higher Education Database (WHED), a list updated by the International Association of Universities (IAU)/United Nations Educational, Scientific and Cultural Organization (UNESCO). The list can be accessed through the link: http://www.whed.net/.

In case a consultant is unable to perform the work due to illness or other personal circumstances, WHO may grant the consultant an additional period in which to complete the work (without any additional compensation) or terminate the contract in accordance with its terms.

13. Submission of Application

Interested applicants with the required essential qualifications and experience should submit a:

- cover letter of interest,
- their curriculum vitae and
- copies of their qualifications

to WHO no later than 20 September 2020 at 17.30:00 hours CET (Geneva) time (“the Closing Date for Submission of applications”),

by E-mail to: deay@who.int