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**Junior statistician/demographer - Supporting UNICEF activities for mortality estimation and demographic analysis**

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**Job Number:** 499526 | [Vacancy Link](#)  
**Location:** Data, Research and Policy  
**Work Type :** Consultancy

If you are a committed, creative professional and are passionate about making a lasting difference for children, the world's leading children's rights organization would like to hear from you.

For 70 years, UNICEF has been working on the ground in 190 countries and territories to promote children's survival, protection and development. The world's largest provider of vaccines for developing countries, UNICEF supports child health and nutrition, good water and sanitation, quality basic education for all boys and girls, and the protection of children from violence, exploitation, and AIDS. UNICEF is funded entirely by the voluntary contributions of individuals, businesses, foundations and governments.

#### Background & Rationale

UNICEF is mandated by the United Nations General Assembly to advocate for the protection of children's rights, to help meet their basic needs and to expand their opportunities to reach their full potential. Delivering and sustaining results for children requires action by both governments and the public at large. Child survival monitoring is one of the main activities for UNICEF as a response to the commitments to the Sustainable Development Goals (SDGs) and other international agreements as well as the A Promise Renewed. UNICEF monitors and assesses child mortality indicators at the global, regional and country level and to these efforts, the organization is engaging governments, civil society, international organizations, academic organizations and individuals working in this area. UNICEF and other members of the UN Inter-agency Group for Child Mortality Estimation (IGME) including WHO, the UN Population Division and The World Bank generate child mortality estimates every year for monitoring progress on child survival. The IGME and its Technical Advisory Group aim to work on improving the methodology to assess data quality and to estimate child mortality.

In the context of the SDGs, more in-depth analyses on child mortality at regional and subnational levels are required. Preparation and analyses for reports require additional staff time and resources. In addition, UNICEF HQ is planning to provide more technical support to countries for child mortality estimation and analysis.

#### Purpose

### Job search

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Please note that UNICEF does not charge a fee at any stage of the recruitment process (application, interview, meeting, travelling, processing, training, or any other fees)

## Get connected



The main objective of this consultancy is to further maintain, update and optimize the child mortality database, assist in generating child mortality estimates, in preparing for country consultations, preparing for the child mortality reporting under the supervision of the Statistics and Monitoring specialist in the Data and Analytics Section, Division of Data, Research and Policy.

### Expected results: (measurable results)

1. Compile child mortality data in specific format required by the database, including under-five mortality, infant mortality, neonatal mortality by sex, wealth quintiles, residence, education of mother and subnational regions, as well as ratio of neonatal to under-five mortality and ratio of neonatal to infant mortality
2. Generate draft estimates of under-five mortality, infant mortality rate and neonatal mortality for total, male and female as well as number of deaths. Revise estimates based on recommendations from the UN IGME meeting. Update the regional aggregates and death calculations. Assist with country consultations.
3. Prepare the work for the UN IGME and Technical Advisory Group meetings. Assist in the preparation of the meeting, including agenda, make presentation files, etc., and prepare notes of the meeting.
4. Conduct in-depth analysis on levels and trends in child mortality and draft main messages and key points of the analysis to feed into the reports on child mortality. This includes drafting main messages for tables, charts and maps, and writing up a draft of the reports.
5. Assist on relevant demographic analysis including analysis on population changes and dynamics.

### Duty Station

The consultant(s) will be based in New York Headquarters.

### Timeframe

**Start date: November 14, 2016**

**End date: October 13, 2017**

DELIVERABLES	DURATION (ESTIMATED # OF DAYS)	Deadline
Updated equity databases and regional databases on neonatal, infant and under-five mortality, including metafiles, and short description	12	<b>November 30, 2016</b>
Add recalculated under-five, infant and neonatal mortality estimates to equity databases using optimized intervals	21	<b>December 31, 2016</b>
Enhanced R-code for estimating child mortality over the SDG period. Conduct data quality checks	21	<b>January 31, 2017</b>
Updated and compiled databases on under-five mortality, infant mortality, neonatal mortality by sex, wealth quintiles, residence, education of mother and subnational regions, as well as ratio of neonatal to under-five mortality and ratio of neonatal to infant mortality	20	<b>February 31, 2017</b>
Estimates of under-five mortality, infant mortality rate and neonatal mortality rate for total, male and female as well as number of deaths by subgroups. Draft documents for the IGME meeting and draft IGME meeting minutes, if applicable	22	<b>March 31, 2017</b>
Assisted with country consultation process. Draft analysis, charts, tables for the IGME child mortality report 2017 and other reports	20	<b>Apr 30, 2017</b>
Finalized estimates of under-five, infant mortality and neonatal mortality rates for total, male and female based on feedbacks from country consultation	22	<b>May 31, 2017</b>
Completed data analysis and updated main numbers, charts and tables and key messages for brochures/reports on child mortality	22	<b>Jun 30, 2017</b>
Updated CME Info, data.unicef.org website, APR dashboard, key messages and infographics for the launch of estimates and the reports	19	<b>Jul 31, 2017</b>
Updated and enhanced web application tools for child mortality estimation with new estimates	23	<b>Aug 31, 2017</b>
Supported countries in estimating child mortality. Intermediate updated databases on under-five mortality, infant mortality, neonatal mortality by sex, wealth quintiles, residence, education of mother and subnational regions	19	<b>September 30, 2017</b>
Prepared statistical tables for State of the World's children report	10	<b>October 13, 2017</b>
<b>TOTAL</b>	<b>231*</b>	

\* Due to some unexpected tasks, the consultant may need to work during weekends or holidays which are counted here. In this case, the payment should be based on the actual number of working days upon discussion and approval of the supervisor. However, the extra number of working days should be no more than 10 days and the total number of working days should be no more than 241 days.

### Key competences, technical background, and experience required Deadline

- Minimum Master Degree in demography, statistics.
- Minimum 3-5 years of professional experience in the area of demographic and statistical analysis.
- Knowledge of methods of demographic analysis and child mortality estimation.
- Advanced experience in statistical programming with R.
- Excellent communication and writing skills.
- Detail-oriented.
- Ability to take initiatives and work independently.
- Creativity and enthusiasm.
- Ability to work well in a team environment.
- Fluent in English.

To view our competency framework, please click [here](#).

**Please indicate your ability, availability and daily/monthly rate (in US\$) to undertake the terms of reference above (including travel and daily subsistence allowance, if applicable). Applications submitted without a daily/monthly rate will not be considered.**

UNICEF is committed to diversity and inclusion within its workforce, and encourages qualified female and male candidates from all national, religious and ethnic backgrounds, including persons living with disabilities, to apply to become a part of our organisation.

Opening Date 6 Oct 2016 Eastern Daylight Time  
Closing Date 20 Oct 2016 Eastern Daylight Time

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