Terms of Reference
State of inequality: childhood immunization

Background
Monitoring health inequalities and understanding their drivers are essential to achieve health equity. The WHO 2016 global report “State of inequality: childhood immunization” highlighted that within-country inequalities exist in childhood immunization coverage, but that the situation varies from one country to another and according to different immunization coverage indicators and inequality dimensions. Further research could help identify the patterns of these inequalities and quantify the contributions of potential determinants to existing inequalities, which, in turn, can be used for evidence-informed decision making to improve equity in childhood immunization.

Objective
The main objective is to contribute to the following studies: (1) Identifying global patterns and characteristics of immunization coverage among the population subgroups of doubly disaggregated data by place of residence and household economic status, (2) quantifying determinants’ contributions to immunization inequality using a decomposition method; as well as to the development of a methodological guideline for the decomposition analysis.

Tasks
The main tasks include:

1. Do a rapid review of the context on the study countries in relation to the childhood immunization.

2. Preparing the raw datasets of DHS / MICS in the selected number of countries (between 15-25 countries)

3. Do the decomposition analysis based on the analytical framework developed by IER.

4. Develop the first full draft of the decomposition report (background, methods, results, discussion)

5. Prepare the first full draft of the report of double disaggregation based on the available data

6. Develop the decomposition guide based on existing resources including the annotated statistical codes

7. Other related tasks, as required.
Required qualifications

Education:

University degree in statistics, biostatistics, epidemiology, economics or related area

Skills and experiences:

Good knowledge of statistics as well as research methodology
Demonstrated skills in data analysis using the statistical package Stata
First-hand experience in analyzing international household health surveys
Good knowledge of health inequality measurement including decomposition analysis
Good knowledge of MS Office including Word and Excel
Demonstrated capacity to do literature reviews
Ability to draft technical reports and research papers in English
Expert knowledge of English

Timeline

3–4 months during February and June 2018

To apply, please send cover letter and CV to: equity_monitoring@who.int by January 7, 2018. Please reference “Immunization inequality assessment - analysis” in the subject line of your email.