

# Maternal Health Coverage Analysis: ANC4 and Skilled Birth Attendance

Population-Weighted Analysis by Under-5 Mortality Rate Status

2025-07-29



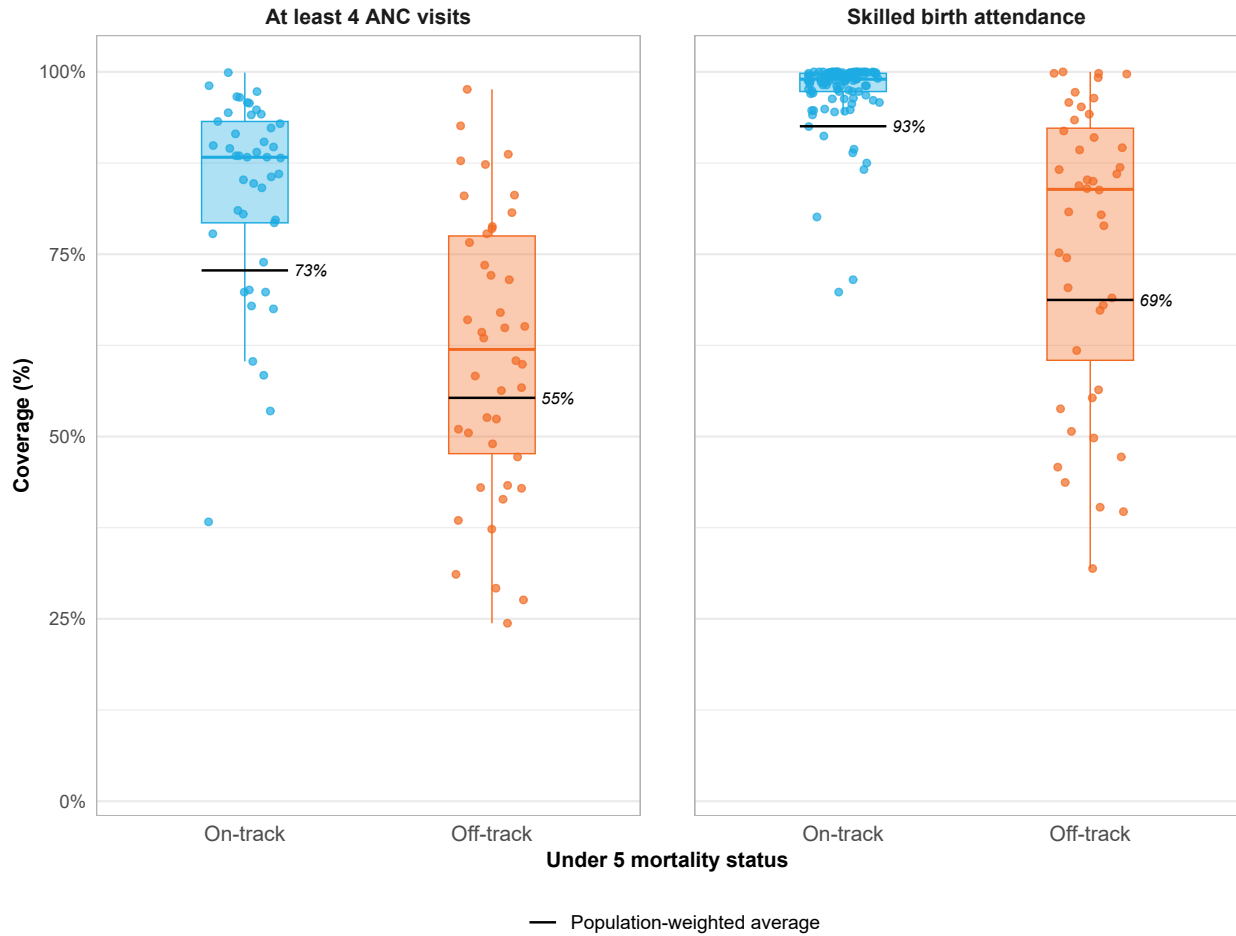
## Objective

This analysis asks whether better maternity care is linked to lower deaths among children under five. It focuses on two measures of care. ANC4 is the share of pregnant women who attended at least four prenatal check-ups. SBA is the share of births assisted by a trained midwife, nurse, or doctor. Countries are placed in two groups: on-track if they are meeting or expected to meet the global target for under-five mortality, and off-track if they are not. For each group the analysis calculates a population-weighted average of ANC4 and SBA, so countries with more births influence the results more than smaller countries. Comparing these weighted averages shows how access to regular prenatal visits and skilled delivery support relates to progress in reducing child deaths.

# Visual Analysis

## Maternal Health Coverage: ANC4 Visits & Skilled Birth Attendance (2018-2022)

Population-weighted coverage by under-5 mortality status: on-track vs off-track



Each dot = one country  
 Black line = population-weighted average  
 Coloured lines = median coverage

## Results and Interpretation

The figure shows a clear trend where countries that are on track in terms of reaching the under-5 mortality (u5mr) targets are also more likely to have higher coverage for both health indicators, namely ANC4 and Skilled Birth Attendance. In countries with an on-track u5mr classification, about 93% of births are attended by a midwife, nurse, or doctor, but that percentage drops to 69% for u5mr off-track countries. The same is true for the other indicator, where about 73% of women in on-track countries have had at least 4 visits with a skilled health provider during pregnancy; that percentage again drops to 55% in off-track countries. These clear disparities could point to a broader lack of access to health services and a deteriorated health infrastructure in the u5mr off-track countries. This could suggest that health interventions in u5mr off-track countries, especially in high-birth countries, could significantly improve the health situation for the two indicators and others. It should be noted that some countries did not report their coverage values for the period 2018-2022. Specifically, only 87 out of 200 countries had coverage values for ANC4, while 150 countries had values for the same period for Skilled Birth Attendance. In the calculation of the weighted average of each indicator, the countries with missing values were not taken into consideration.

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*This report was generated on 2025-07-29 using data from the UNICEF MNCH database and UN Population Division estimates.*

## **Job Application Information**

This analysis was prepared as part of the **UNICEF Data and Analytics technical evaluation** for education.

**Primary Position Applied For:** - Household Survey Data Analyst Consultant – Req. #581656

**Additional Position of Interest:** - Administrative Data Analyst – Req. #581696