

# UNICEF Consultancy Assessment Report

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## Population-Weighted Coverage of Maternal Health Services

**Date:** July 28, 2025

**Position Applied For:**

- Learning and Skills Data Analyst Consultant – Req. #581598
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## Objective

This report presents an analysis of population-weighted coverage for two critical maternal health services:

1. **Antenatal Care (ANC4):** Percentage of women (aged 15–49) who received at least four antenatal care visits.
2. **Skilled Birth Attendance (SBA):** Percentage of deliveries attended by skilled health personnel.

The analysis compares countries classified as **on-track** vs. **off-track** in achieving under-five mortality goals, using the most recent data from **2018 to 2022**.

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## Data Sources and Methodology

- **ANC4 and SBA Coverage:** UNICEF Global Data Repository (2018–2022).
- **Population Weights:** Projected births for 2022, sourced from the UN World Population Prospects (2022).
- **Country Classification:** Based on under-five mortality status:
  - **On-track:** "Achieved" or "On-track"
  - **Off-track:** "Acceleration Needed"

## Steps:

- For each country, the **most recent available value** between 2018 and 2022 was selected.

- Population-weighted averages were calculated using projected **births in 2021** as weights.
- Results were aggregated separately for on-track and off-track groups.

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## Results

Status	ANC4 Coverage (%)	SBA Coverage (%)
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On-track	<b>88.44</b>	<b>96.65</b>
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Off-track	<b>55.34</b>	<b>68.73</b>
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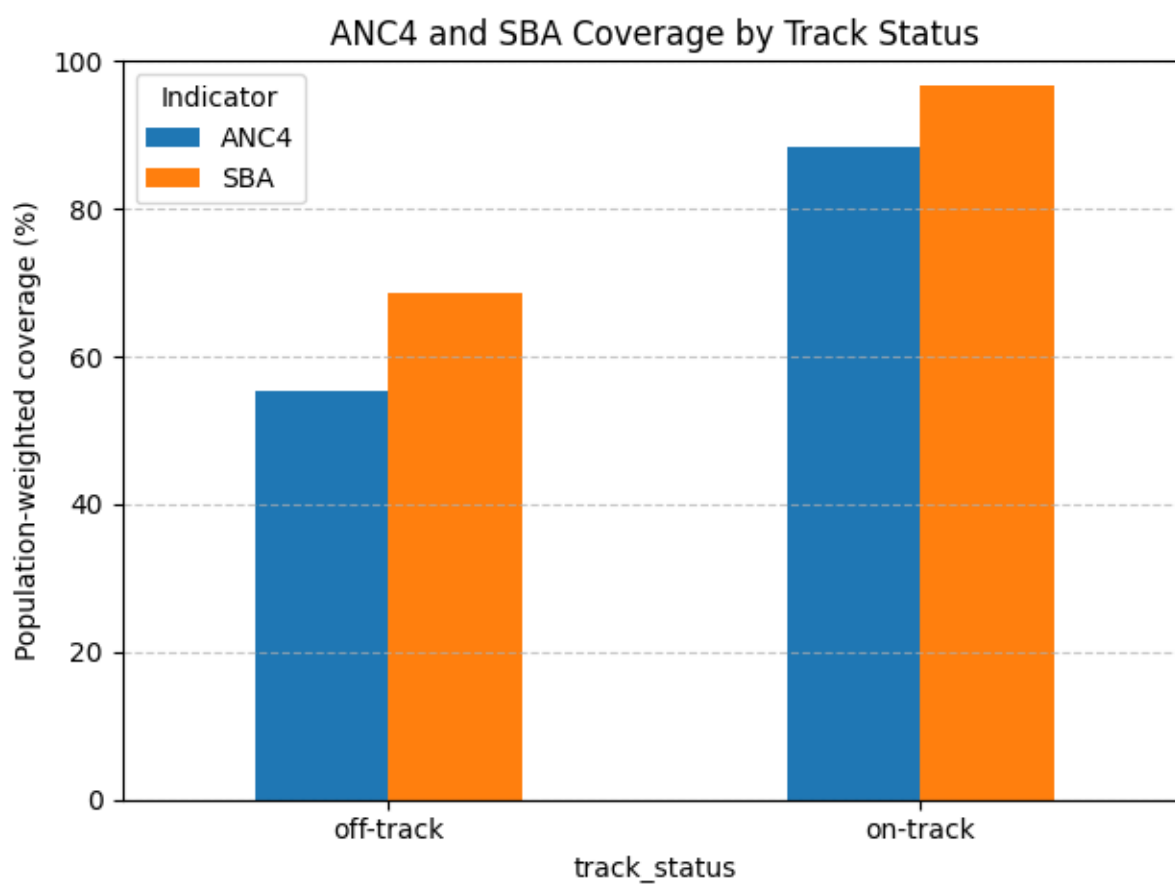


Fig 1. (Comparison of ANC4 and SBA weighted coverage for on-track vs. off-track countries)

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## Interpretation

The analysis reveals clear disparities in maternal health service coverage between countries progressing well on under-five mortality reduction and those that are not.

- In **on-track countries**, **88.44%** of women received four or more antenatal care visits, and **96.65%** of deliveries were attended by skilled personnel.
- In contrast, **off-track countries** reported only **55.34%** ANC4 coverage and **68.73%** SBA coverage.

These differences reflect significant gaps in access to maternal healthcare in off-track countries. Strengthening health systems, increasing outreach, and addressing socio-economic barriers are critical to improving outcomes in these regions.

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## Assumptions & Limitations

- Only **most recent available data (2018–2022)** were used per country.
  - **Projected births in 2021** were used as a proxy for maternal service demand.
  - Countries with **missing coverage data** were excluded from the analysis.
  - The analysis assumes that each reported national average is reliable and comparable across countries.
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## Conclusion

This analysis underscores the importance of targeted health investments in off-track countries. Expanding maternal healthcare access can accelerate progress toward reducing under-five mortality and achieving Sustainable Development Goals (SDGs).