

## PMTCT Longitudinal Journey

This study focuses on mothers living with HIV who were diagnosed either prior to or during their antenatal care (ANC).

Period Covered: 2021 - 2025

Demographic Coverage:

DataSet Description

Metric	The Value in the Data	Comments
<b>Total Mother-Baby Pairs</b>	<b>1,881</b>	sample size
<b>Infants with HIV Results</b>	<b>244</b>	Only about 13% have a final result recorded
<b>Median Age at Testing</b>	<b>6.9 Weeks</b>	There is a <b>major peak</b> around the number 6 or 7.
<b>The "Late" Diagnosis Gap</b>	<b>129 Days</b>	This represents the time mothers waited for a test after booking.
<b>Infant Positivity</b>	<b>4.9% (12 babies)</b>	This is the "transmission rate" for this specific group.

**Maternal Profile:**

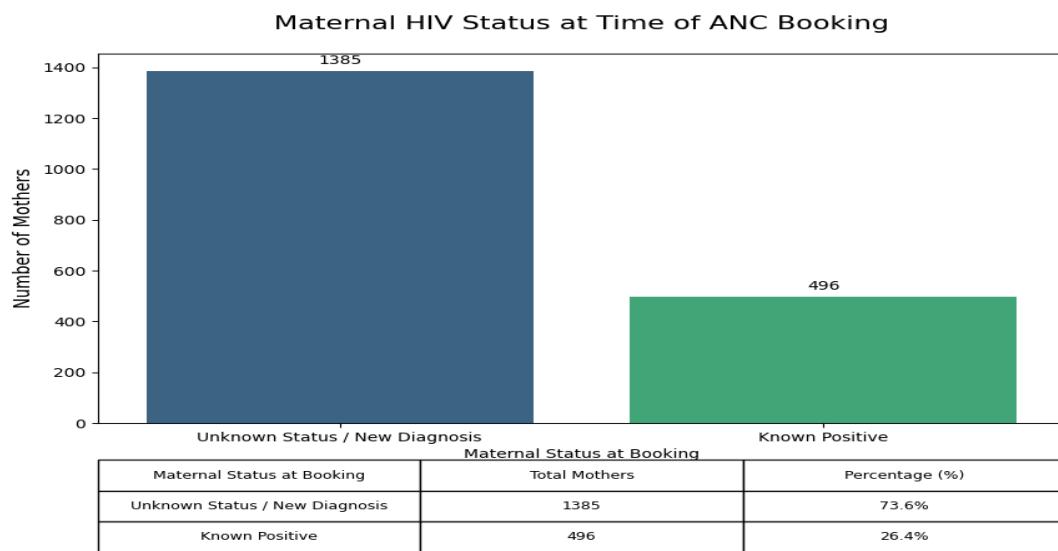
**Mean age: 27.8 years (range: 14-51)**

**Age distribution:**

- 10% adolescents (<20 years) – a high-risk group
- 52% aged 20-29 years
- 38% aged 30+ years

**63% first-time ANC bookers**

**Maternal Status at Booking:**



- Of the 1,385 mothers who tested positive, 73.6% of them arrived at their first booking with an unknown status and later tested positive for HIV.
- Of the mothers identified as HIV positive, 26.4% (496) were already aware of their HIV status prior to the current identification.

**The Prevention Cascade:**

**Stage 1: HIV Testing at ANC**

- All mothers received their diagnosis

Category	Count	Percentage
Tested Positive Before Pregnancy	552	29.3%
Tested Positive during Pregnancy (>4 wks before delivery)	274	14.6%
Tested Positive During Pregnancy (<4 wks before delivery)	19	1.0%
Unknown Timing	1036	55.1%
<b>Total</b>	<b>1,881</b>	<b>100%</b>

### Same Day Initiation Success

- **Success Rate:** 73.2% of mothers with valid dates started ART on the same day they were diagnosed.
- **Median Delay: 0 Days** (Immediate initiation).

### Maternal Engagement Summary Table

Maternal Category	Count	Percentage (%)	Story Significance

New Diagnosis (Found at Clinic)	1,385	73.6%	Mothers who arrived with an unknown status and were diagnosed by the clinic's testing team.
Known Positive (Arrived HIV+)	496	26.4%	Mothers who were already aware of their status prior to their first booking.
Total	1,881	100%	The total cohort of traceable mother-baby pairs.

### Longitudinal Gap

Time Elapsed after Booking	Number of Mothers	Percentage (%)	Story Insight
8 - 30 Days (~1 Month)	9	10.2%	Early "leakage" where the first test result was likely delayed.
31 - 90 Days (1-3 Months)	17	19.3%	Diagnosis occurring within the first trimester after booking.
91 - 180 Days (3-6 Months)	29	33.0%	Major Gap: A third of these mothers spent 3-6 months in the system before testing positive.

<b>Over 180 Days (&gt;6 Months)</b>	<b>29</b>	<b>33%</b>	<b>Critical Risk: Over a third were diagnosed very late in pregnancy or even during breastfeeding.</b>
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