

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

Maternal Profile:

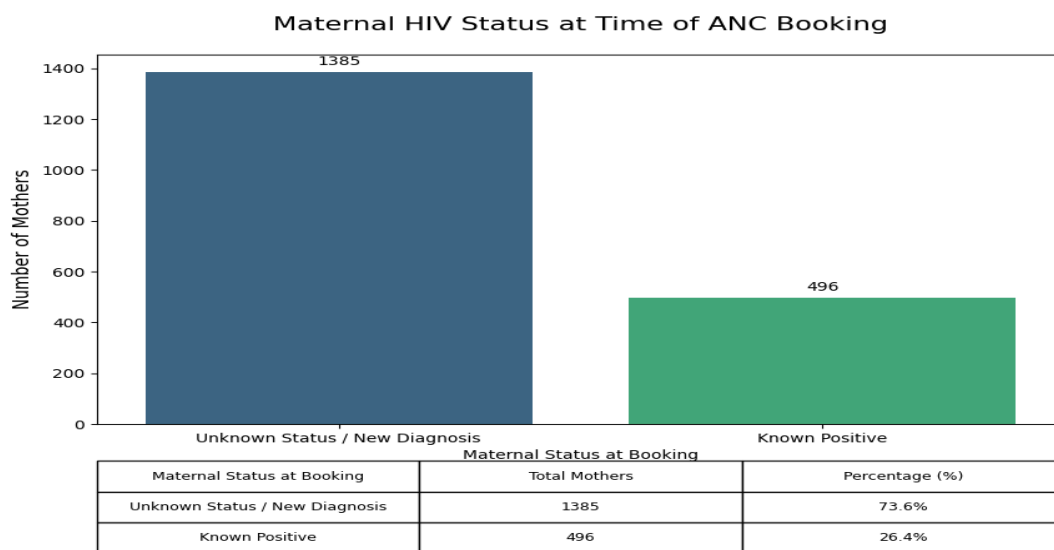
Mean age: 27.8 years (range: 14-51)

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%
Total	1,881	100%

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.

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