



National Center for HIV/AIDS Dermatology and STD

Quarterly report on the point of care for HIV viral load for pregnant and breastfeeding women and exposed infants using GeneXpert.

Quarter 3, 2025

1. Executive Summary

This report presents a comprehensive overview of the Point-of-Care Prevention of Mother-to-Child Transmission (POC-PMTCT) program's Early Infant Diagnosis (EID) and Viral Load (VL) Diagnostics activities for Quarter 3 (Q3) of 2025, covering the period from July 1, 2025, to September 30, 2025. Key performance indicators, including testing volumes, positivity rates, and turnaround times, are detailed, alongside a breakdown of results by testing line and site.

2. Early Infant Diagnosis (EID) Diagnostics

2.1. Overall Performance

- **Total Number of Tests:** 58 tests conducted.
- **Total Number of Unique Infants Tested:** 48 infants.
- **Positive Infants Identified:** 1.
- **Positivity Rate:** 1.92% of total tests.
- **Average Turnaround Time (TAT) for EID:** 09 Hours and 27 Minutes.

2.2. EID Results by Test Outcome

Result	Total of Test	
Positive	1	1.92%
Negative	51	
Invalid	6	
Total	58	

Note: Invalid includes invalid, error, and no result.

2.3. Number of Infants by Result

Result	Total of Test	%
Positive	1	1.92%
Negative	46	95.83%
Invalid	1	2.08%
Total	48	100.00%

Note: Count unique patient ID by result.

2.4. EID Testing in Line Analysis

This section details the distribution of EID tests across different testing lines.

EID Testing Line	Number of Tests	Percentage (%)	Infants Tested (Unique ID)
PCR at birth	34	58.62	31
PCR at 4-6 weeks	13	22.41	9
PCR at 9 months	9	15.52	9
Confirmatory PCR	0	0.00	0
Other	2	3.45	2
Total	58	100.00	51

Note: Infants Tested (Unique ID) counts unique patient IDs at each testing line. Sum of unique IDs can exceed total infants due to multiple tests per infant.

2.5. EID Results by Testing Line (Positive, Negative, Invalid)

Testing in Line	Positive	Negative	Invalid
PCR at birth	1	29	4
PCR at 4-6 weeks	0	11	2
PCR at 9 months	0	9	0
Confirmatory PCR	0	0	0
Other	0	2	0

2.6. EID Testing by Site

A total of 58 EID tests were conducted across various sites:

Nº	Provincial/Referral Hospital Name	Number of Tests
1	Ang Rokar Referral Hospital	0
2	Cambodia-Japan Friendship Mongkul Borey Provincial Hospital	3
3	Kampong Cham Provincial Hospital	6
4	Kampong Speu Provincial Hospital	4
5	Kampong Trach Referral Hospital	5
6	Pailin Provincial Hospital	11
7	Poipet Referral Hospital	11
8	Preah Sihanouk Provincial Hospital	4
9	Rattanakiri Provincial Hospital	0
10	Sampov Loun Referral Hospital	2
11	Serey Sophorn Referral Hospital	2
12	Siem Reap Provincial Hospital	6
13	Stung Treng Provincial Hospital	1
14	Preah Norodom Sihanouk Tbong Khmum Referral Hospital	0
15	Thmor Kul Referral Hospital	3

2.7. EID Testing Trend (Q3 2025)

Month	Test Count
July 2025	14
August 2025	20
September 2025	24
Total of tests for Q3 2025	58

3. Viral Load (VL) Diagnostics

3.1. Overall Performance

- **Total Number of Tests:** 21 tests conducted.
- **Total Number of Pregnancy/Breastfeeding Tests:** 21.
- **Detected Pregnancy/Breastfeeding Cases:** 11.
- **Positivity Rate:** 55.00%.
- **Average Turnaround Time (TAT) for Pregnancy/Breastfeeding-VL:** 04 Hours and 32 Minutes.

3.2. Mother Testing by Result

Result	Number of Tests
Detected	10
<40 copies/mL	1
Not Detected	9
Invalid	1
Total	21

Note: Invalid includes invalid, error, and no result.

3.3. Number of Mothers by Result

Result	Number of Tests	Percentage (%)
Detected	11	55.00%
Not Detected	9	42.86%
Invalid	1	4.76%
Total	21	100.00%

Note: Detected includes detected and < 40 copies/mL. Count unique patient ID by result.

3.4. Reason for Testing

Reason	Number of Test	Percentage (%)
Pregnancy	20	95.24%
Breastfeeding	1	4.76%
Total	21	100.00%

3.5. Number of Mother Testing by Site

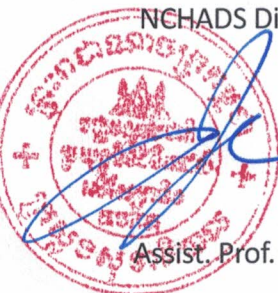
A total of 21 VL tests were conducted for mothers across the following sites:

Nº	Provincial/Referral Hospital Name	Number of Tests
1	Ang ROKAR Referral Hospital	0
2	Cambodia-Japan Friendship Mongkol Borey Provincial Hospital	0
3	Kampong Cham Provincial Hospital	9
4	Kampong Speu Provincial Hospital	0
5	Kampong Trach Referral Hospital	1
6	Pailin Provincial Hospital	0
7	Poipet Referral Hospital	5
8	Preah Sihanouk Provincial Hospital	0
9	Rattanakiri Provincial Hospital	0
10	Sampov Loun Referral Hospital	0
11	Serey Sophorn Referral Hospital	1
12	Siem Reap Provincial Hospital	0
13	Stung Treng Provincial Hospital	0
14	Preah Norodom Sihanouk Tpong Khmum Referral Hospital	0
15	Thmor Kul Referral Hospital	5

4. Conclusion


Q3 2025 saw continued efforts in EID and VL diagnostics. The EID program identified one positive infant out of 48 unique infants tested, with an average TAT of under 10 hours. VL diagnostics for mothers show a 55.00% positivity rate among 21 tests, primarily for pregnancy-related reasons, with an efficient TAT of just over 4.5 hours. These results provide critical data for ongoing program monitoring and improvement.

Seen and Approved
NCHADS Director



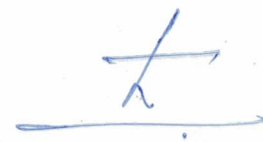
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