Pediatric HIV Diagnosis: Early Infant Diagnosis and Beyond

Diagnostic Access Initiative

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International Aids Society Conference
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1. Diagnostics Access Initiative

2. EID Market Forecasts
DIAGNOSTICS ACCESS INITIATIVE to achieve final HIV treatment targets

- 90% diagnosed
- 90% on treatment
- 90% virally suppressed
DAI IS THE PLATFORM TO AMPLIFY THE WORK OF THE DIAGNOSTIC COMMUNITY
EXAMPLE: THE VL ACCESS PRICING DEAL

Press release

Roche

$9.40
reagents + consumables

- 40% reduction in price
- $150 million in costs savings over 5 years
- Dramatic improvement to the quality of care for over 31 million people living with HIV in LMICs

To: The Joint United Nations Programme on HIV/AIDS and Diagnostics Access Initiative
Re: Roche supports Diagnostics Access Initiative for HIV viral load testing

DFID
UNAIDS
CLINTON
HEALTH ACCESS
INITIATIVE

South Africa
UNICEF
World
Bank
GUIDING PILLARS & PRIORITY AREAS

- Advocacy
- Forecasting
- Financing
- Price
- Delivery and system strengthening
- Coordination and partnerships

The first 90

VL/2L

Paediatrics
<40% of HIV-exposed infants are tested on time

DAI priority for 2015 is to scale up access to EID. Existing initiatives in pediatric HIV diagnostics have resulted in <40% EID coverage (global) and <25% Tx coverage.

<25% of HIV-infected infants are on treatment

Source: 2014 UNICEF Statistical Update
TO EXPAND ACCESS TO EID, COUNTRIES & STAKEHOLDERS NEED TO OVERCOME MANY BARRIERS

Despite the scale up of EID testing in the last years, major barriers remain to be overcome

EID BARRIERS

1. Sample transportation
2. Need for improved service delivery models
3. Availability of cost-effective POC technologies
4. Commodity security
5. Results delivery and linkage to treatment

40% Children with HIV diagnosed

90% Children with HIV diagnosed

We are here . . .

. . . we want to get here
DIAGNOSTICS ACCESS INITIATIVE

to achieve final HIV treatment targets

1. Advocacy, funding and resource mobilization (UNAIDS)

2. Technical and normative guidance (WHO)

3. Support for implementation at the regional and country levels (CDC/ASLM)
Forecasted EID Tests (2014-2018)

Implementation of testing at birth in select countries

Note: Need is estimated using national population figures, HIV prevalence rates, birth rates, and testing guidelines.
EID FORECASTS

EID Forecast with POC Volumes

Number of tests

2015 2016 2017 2018

Percent of total volumes on POC EID

Total

Percent POC
Distribution of Annual EID Need by Site

Ten percent of sites make up more than 40% of the total testing demand.

Note: Graph represents distribution of EID need by site for Malawi, Uganda, Kenya, and Zimbabwe using either PMTCT patient numbers or existing testing volumes.
## Market Segmentation by facility level and EID demand

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Provincial Hospitals</th>
<th>District Hospitals</th>
<th>Health Centers</th>
<th>TOTAL</th>
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<tbody>
<tr>
<td>&gt;10 Patients per Day</td>
<td>1%</td>
<td>8%</td>
<td>2%</td>
<td>10%</td>
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<tr>
<td>5-10 Patients per Day</td>
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<td>36%</td>
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<tr>
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<td>44%</td>
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<tr>
<td>TOTAL</td>
<td>4%</td>
<td>31%</td>
<td>65%</td>
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</tbody>
</table>

~640 sites across 4 countries

~5,500 sites across 4 countries