Questionnaire Results:

HIV Rapid Testing
Survey 2004

DEPARTMENT OF HEALTH & HUMAN SERVICES

CDC
Centers for Disease Control and Prevention
HIV-1 Rapid Testing MPEP Survey Questionnaire August 2004
Report of Results


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Executive Summary of Results
HIV Rapid Testing Questionnaire Survey, August 2004

Survey Description
The accompanying report details the results from the CDC Model Performance Evaluation Program (MPEP) HIV Rapid Testing Practices Survey conducted during 2004. The laboratory practices survey was sent to all testing sites enrolled in the MPEP HIV rapid (HIV-RT) testing program. Completed questionnaires were submitted by 263 (59.0%) of the 446 HIV-RT testing sites enrolled. The distribution of respondents compared with non-respondents was constant for testing site types (63% respondents vs. 37% non-respondents) with the exception that among health departments, half responded and half did not. The survey participants included 236 U.S. testing sites and 27 non-U.S. testing sites.

Results Summary
Survey Participants
Most survey respondents were from hospital laboratories (63%). However, a variety of testing sites that could be considered point-of-care sites were also represented (Figure 1a). Survey participants also tended to accept and perform HIV rapid tests on specimens that were collected in a variety of point-of-care testing sites such as community-based organizations, counseling and testing centers, and family planning centers (Figure 7b). Within hospitals, the reporting of a variety of secondary testing sites indicated (Figures 1a and 7b) that HIV rapid testing was being used for different purposes including post-exposure treatment, voluntary testing, screening, and testing pregnant women (Figure 3a).

Test Volume
The median number of HIV rapid tests performed in the most recent representative month calculated from the responses was 10, although the range was from 0 - 3700 tests (Figure 3d). Most of the U.S. testing sites (77%) reported that none of the HIV rapid tests performed on client/patient specimens in the most recent representative month were positive. Although numbers are small, nearly half (46%) of the non-U.S. testing sites reported that >11 HIV rapid tests were positive in the most recent representative month (Figure 3e).

Test Kits
The predominant kit types used by U.S. testing facilities were OraQuick Rapid HIV-1 Ab tests (55%) and MedMira Reveal or Reveal G2 (40%). (Note that these data reflect the types of test kits that were available on the U.S. market at the time of the survey.) The predominant kit type used by non-U.S. testing sites was Abbott Determine HIV-1/2 (70%); although a variety of kit types were reported by these testing facilities (Figure 5). Participants generally performed other HIV tests in their facilities, and HIV rapid tests did not tend to replace other methods (Figures 8 and 9).

Testing Personnel
In these testing sites, HIV rapid tests were primarily performed by medical technologists, medical technicians, and persons with a BS/BA in laboratory sciences, HIV counselors or persons with an associate’s degree (Figure 10). This is reflective of the types of facilities participating, with the majority being hospitals. Most participants (88%) reported that training on rapid HIV testing was conducted in-house. The median length of training was for two hours (Figure 11). Most facilities (75%) provided onsite counseling to clients/patients...
(Figure 14e), and most counseling was provided by physicians, counselors, RN/LPNs or nurse practitioners (82% of total responses; Figure 14f).

Confirmatory Testing
Most participants (96%) reported that confirmatory testing was performed either within their facility or at another facility on initially reactive (preliminary positive) results, although 4% answered “no” to this question, implying that no confirmatory testing was performed (Figure 12a). At least 10/203 (5%) U.S. testing sites describing methods used for confirmatory testing do not use either Western blot (WB) or an indirect immunofluorescence assay (IFA), the confirmatory methods recommended by current CDC guidelines (Figure 12b). (1, 2) The reasons for not using the recommended confirmatory test methods are unclear.

Quality Control
Most facilities (80%) said they ran quality control samples when performing HIV rapid testing. Participants could give more than one response to this question. However, it is of concern that 20% of participants reported never running quality control samples. Most of these were U.S. testing sites. Running quality control samples as a part of an overall quality assurance system is recommended.(1)

Conclusion
The CDC HIV-RT MPEP supports improving the quality of public health by continuously improving laboratory testing. This second CDC HIV-RT MPEP laboratory practices survey was carried out about 20 months after new CLIA-waived HIV rapid testing kits were approved by the U.S. Food and Drug Administration and were available in the United States. CDC HIV-RT MPEP will continue to monitor changes in laboratory practices in HIV rapid testing.

The results presented here reflect a wide range of laboratory/testing site practices in HIV rapid testing among MPEP participants. With changing and evolving testing practices, HIV testing sites should be especially concerned about quality assurance, and should be aware of existing guidelines and recommendations. Recommendations for an overall quality assurance program for HIV rapid testing sites and for best laboratory practices can be found on the MPEP website:  http://www.phppo.cdc.gov/mpep.

References:


Note: Use of trade names is for identification only and does not imply endorsement by the Centers for Disease Control and Prevention.
1. Please indicate the primary classification of your facility/testing site. (Check one primary classification.)

**Primary Type of U.S. Testing Site**

- **Hospital**: 161 (68%)
- **Health Department**: 29 (12%)
- **Physician Office**: 13 (6%)
- **Community Based Organization (CBO)**: 11 (5%)
- **Independent Lab**: 8 (3%)
- **HIV Counseling and testing site**: 4 (2%)
- **Family planning center**: 4 (2%)
- **STD Clinic**: 2 (1%)
- **Other**: 1 (0.4%)
- **Mobile Unit**: 1 (0.4%)
- **Health Management Organization (HMO)**: 1 (0.4%)
- **Drug use treatment center**: 1 (0.4%)

**Primary Type of Non-U.S. Testing Site**

- **Health Department**: 7 (26%)
- **Hospital**: 6 (22%)
- **Independent Lab**: 4 (15%)
- **HIV Counseling and testing site**: 4 (15%)
- **Other**: 4 (15%)
- **Physician Office**: 1 (4%)
- **Blood/plasma donor center**: 1 (4%)

(n=236)

(n=27)
Testing Sites within Hospitals

- Central Lab Only: 87
- Central Lab and one or more categories*: 40
- Other: 12
- Blood Bank Only: 9
- Employee Health Only: 3
- ER, Employee Health, Labor/Deliv: 2
- Blood Bank, Other: 1
- ER, Employee Health, Labor/Deliv: 1

* The “more categories” include: Hospital Admissions, Emergency Room (ER), Blood Bank, Employee Health, Hospital Ward, Labor/Delivery, and “Other” hospital testing sites.
1.(b) Who PRIMARILY funds your testing site? (Check only ONE BEST answer)

- Private, non-profit: 107 (47%)*
- State funded: 26 (11%)
- Private, for profit: 33 (14%)
- County, city or other government: 29 (13%)
- Other facility/testing site classification, specified: 9 (4%)
- Federal, other than the CDC: 13 (6%)
- Non US Government: 6 (22%)
- CDC funded: 11 (5%)

2.(a) Does your facility currently perform HIV rapid testing?

- Yes: 253 (96%)
- No: 10 (4%)

2.(b) Does your facility intend to begin performing HIV rapid testing? (Choose only one.)

- Within 6 months: 3 (30%)
- Yes, unsure when: 2 (20%)
- No: 4 (40%)
- Not Specified: 1 (10%)
3.(a) For what purpose(s) do you offer HIV rapid testing? (Check all that apply.)

Note: Facilities could submit more than one answer.

Nearly half (43%, 108/252) of the participants that answered the question included one or both of the categories “voluntary testing” and/or “initial screening”. The percents of each facility type that indicated one or both categories are listed below.

- Hospitals: 24% (39/164),
- Health departments: 88% (28/32),
- Physicians office: 71% (10/14),
- Community-based organization (CBO): 82% (9/11),
- Counseling and testing sites: 88% (7/8),
- Other testing sites: 100% (5/5),
- Independent sites: 30% (3/10),
- Family planning centers: 100% (2/2),
- STD clinics: 100% (2/2), and
- Blood/plasma donor center, drug treatment center, health management organization (HMO), and mobile unit: 75% (3/4).
3.(b) How long has your facility performed HIV rapid testing? (Please round off to the nearest whole number.)

![Bar chart showing number of testing sites by number of months for U.S. and Non-U.S. facilities.]

* Facilities responding ≥ 65:

52 U.S. facilities responded ≥ 65
9 Non-U.S. facilities responded ≥ 65
(c) Of all HIV testing performed in your facility over the past year, what percentage was performed using HIV rapid test kits? (Please round off to the nearest whole percentage.)

The graph of the data for this question appears bimodal, with most responses being either less than or equal to 10% or 100%. The facility types that gave responses primarily in one of these categories are listed below.

<table>
<thead>
<tr>
<th>Facility type</th>
<th>Percent of HIV testing performed using HIV rapid test kits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>≤ 10 % 100%</td>
</tr>
<tr>
<td>Hospital</td>
<td>49% (81/167) 39% (65/167)</td>
</tr>
<tr>
<td>Health Department</td>
<td>39% (14/36) 19% (7/36)</td>
</tr>
<tr>
<td>Independent</td>
<td>67% (8/12) 17% (2/12)</td>
</tr>
<tr>
<td>Physician Office</td>
<td>7% (1/14) 50% (7/14)</td>
</tr>
<tr>
<td>CBO</td>
<td>27% (3/11) 36% (4/11)</td>
</tr>
<tr>
<td>Counseling &amp; Testing Site</td>
<td></td>
</tr>
<tr>
<td>“Other”</td>
<td>20% (1/5) 20% (1/5)</td>
</tr>
<tr>
<td>Drug Treatment</td>
<td>100% (1/1)</td>
</tr>
<tr>
<td>HMO</td>
<td>100% (1/1)</td>
</tr>
<tr>
<td>STD Clinic</td>
<td>100% (1/1)</td>
</tr>
</tbody>
</table>
3.(d) How many client/patient specimens were tested using HIV rapid tests in your facility during the most recent representative month? (Please round off to the nearest whole number.)

The graph of the data for this question appears bimodal; with most responses being either ≤ 30 specimens or ≥ 200 specimens tested using HIV rapid tests (RT).

All facilities that perform >299 tests/representative month gave responses that indicated they use HIV rapid testing for purposes which include initial screening and/or voluntary testing purposes.

<table>
<thead>
<tr>
<th>Facility type</th>
<th>Number of Specimens Tested in the Most Recent Month</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10 or more HIV RT/representative month</td>
</tr>
<tr>
<td>Hospital</td>
<td>44% (73/167)</td>
</tr>
<tr>
<td>Health Department</td>
<td>58% (21/36)</td>
</tr>
<tr>
<td>Independent</td>
<td>50% (6/12)</td>
</tr>
<tr>
<td>Physician Office</td>
<td>79% (11/14)</td>
</tr>
<tr>
<td>CBO</td>
<td>55% (6/11)</td>
</tr>
<tr>
<td>“Other”</td>
<td>40% (2/5)</td>
</tr>
<tr>
<td>Drug Treatment Center, Mobile Unit, STD Clinic, Counseling &amp; Testing Site</td>
<td>100% (12/12)</td>
</tr>
<tr>
<td>Family Planning</td>
<td>25% (1/4)</td>
</tr>
<tr>
<td>Blood/Plasma Donor Center</td>
<td>100% (1/1)</td>
</tr>
</tbody>
</table>
(e) Of the specimens reported in 3(d) above, how many were initially reactive (preliminary positive) during the same most recent representative month? (Please round off to the nearest whole number.)

- Of the 175 labs that reported 0 positive HIVRT in the most recent representative month, 78% (137/175) performed less than 20 tests in that month.
- The facility types that had \( \geq 1 \) initially reactive (preliminary positive) HIV rapid test in the most recent representative month are listed below, by number and percentage of sites responding to the survey.
  - Hospitals: (19%, 31/167)
  - Health departments: 36% (13/36)
  - Counseling and Testing sites: 100% (8/8)
  - Physician Office: 29% (4/14)
  - Independent facilities: 25% (3/12)
  - STD Clinic: 100% (2/2)
  - CBO: 18% (2/11)
  - “Other”: 40% (2/5)
  - Mobile Units: 100% (1/1)
  - Blood/Plasma Center: 100% (1/1)
4. (a) Does your facility provide anonymous HIV rapid testing?
(b) Does your facility have procedures for protecting the confidentiality of HIV results?

5. What test kit(s) do you currently use for HIV rapid testing? (Check all that apply.)

- OraQuick Rapid HIV-1 Antibody Test: 129
- MedMira Reveal Rapid HIV-1 Antibody Test: 80
- Abbott Determine HIV-1/2: 19
- MedMira Reveal Rapid HIV: 10
- Trinity Biotech Uni-Gold Recombigen HIV: 7
- Other Rapid HIV Test (specify): 8
- MedMira Reveal G2 Rapid HIV-1 Antibody Test: 5
- Trinity Biotech Uni-Gold HIV: 4
- Trinity Biotech Capillus HIV: 3
- J. Mitra & Co. Ltd HIV-TRIDOT: 2
- Fujirebio, Serodia HIV-1/2: 2
- Genelabs Diagnostics HIV-Spot: 1
- BioRad Multi-Spot HIV-1/HIV-2: 1

(N=276 Responses)
6. What sample type do you currently use for HIV rapid testing? (Check all that apply.)

- Serum/Plasma: 145 (47%)
- Whole Blood, venous: 79 (25%)
- Oral (cheek swab): 85 (27%)
- Whole Blood, finger-stick: 2 (1%)

N=311 Responses
7.(a) Where are specimens collected and HIV rapid testing performed? (Choose only one.)

**Percentage of Testing Sites**

- Collection and testing on-site: 138
- Collection both off-site and testing on-site: 95
- Collection off-site and testing on-site: 9
- Collection off-site and testing off-site: 7
- Collection and testing on-site and off-site: 3

**Specimen collection site and testing site by lab type**

- Blood/plasma donor center
- Community Based Organization (CBO)
- HIV Counseling and testing site
- Drug use treatment center
- Family planning center
- Health Department
- Health Management Organization (HMO)
- Hospital
- Independent Lab
- Mobile Unit
- Other
- Physician Office
- STD Clinic

**Data (n=252)**

- Collection and testing on-site: 75
- Collection both off-site and testing on-site: 18
- Collection off-site and testing on-site: 2
- Collection off-site and testing off-site: 1
- Collection and testing on-site and off-site: 7
7.(b) If you perform HIV rapid testing on specimens collected off-site, please indicate where they are collected. (Check all that apply.)

![Bar chart showing the number of testing sites for different locations.](chart)

Of the “other” off-site collections:
- 10/26 were nursing homes or outreach/home health care sites,
- 3/26 were outpatient surgery sites,
- 2/26 were immediate/urgent care sites, and
- 4/26 were satellite sites of the main facility.

* Specific Hospital Collection Sites (Check all that apply.)

![Pie chart showing specific hospital collection sites.](chart)

** This represents multiple responses from hospital participants
8. To detect HIV infection, do you currently perform a test in your facility other than an HIV rapid test? (If yes, check all that apply.)

(N=279 Responses)
N=246 U.S. Responses
N=33 Non-U.S. Responses
9(a). Has HIV rapid testing replaced some other method of HIV testing?
9(b). Do you perform HIV rapid testing using more than one different test kit?

Of the 26 facilities that specified HIV RT replaced some “other” test,
- 14 of those replaced were specified as EIA methods,
- 7 methods replaced were identified as an oral testing method (e.g. the OraSure oral swab/Western blot),
- 4 were unspecified HIV tests that were performed at another facility, and
- 1 did not specify the method.
10. Who performs HIV rapid testing in your facility on a regular basis? (Check all that apply.)

<table>
<thead>
<tr>
<th>Personnel Description</th>
<th>Number of Responses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Med Technologist/Clinical Lab Scientist</td>
<td>201</td>
</tr>
<tr>
<td>Medical Technician</td>
<td>116</td>
</tr>
<tr>
<td>Person with BS/BA in lab science</td>
<td>79</td>
</tr>
<tr>
<td>HIV Counselor</td>
<td>38</td>
</tr>
<tr>
<td>Person with Assoc Degree</td>
<td>32</td>
</tr>
<tr>
<td>Nurse</td>
<td>16</td>
</tr>
<tr>
<td>Medical Assistant</td>
<td>16</td>
</tr>
<tr>
<td>Person with MS or PhD in med/lab science</td>
<td>13</td>
</tr>
<tr>
<td>High School Grad</td>
<td>9</td>
</tr>
<tr>
<td>Volunteer with formal med training</td>
<td>6</td>
</tr>
<tr>
<td>Nurse Practitioner</td>
<td>6</td>
</tr>
<tr>
<td>Volunteer with no formal med training</td>
<td>5</td>
</tr>
<tr>
<td>Physician</td>
<td>5</td>
</tr>
<tr>
<td>Other</td>
<td>3</td>
</tr>
<tr>
<td>Physician Assistant</td>
<td>2</td>
</tr>
</tbody>
</table>

(N=547 Responses)

The majority (78%, 375/480) of responses from hospitals, health departments, physician offices and facilities identified as “independent” primarily indicated that the personnel who performed HIV rapid testing in their facility were medical technicians, medical technologists, or someone with a BA/BS degree in a relevant field (e.g. laboratory science, biology, etc.). A summary by facility type is below. A summary by facility type is below.

- Hospital: 88% (298/337 responses),
- Health Department: 46% (36/78 responses),
- Physician Office: 56% (19/34), and
- Independent: 71% (22/31).
11. What type of training is required for personnel performing HIV rapid testing in your facility/testing site? (Check all that apply)

(N=371 Responses)

<table>
<thead>
<tr>
<th>Training Type</th>
<th># of Responses</th>
<th>Range</th>
<th>Median</th>
</tr>
</thead>
<tbody>
<tr>
<td>In-house</td>
<td>194</td>
<td>0-160 hours</td>
<td>1 hours</td>
</tr>
<tr>
<td>Sample Panel Evaluation</td>
<td>74</td>
<td>1-25 samples</td>
<td>5</td>
</tr>
<tr>
<td>By Kit Manufacturer</td>
<td>27</td>
<td>0-24 hours</td>
<td>2 hours</td>
</tr>
<tr>
<td>Health Department</td>
<td>24</td>
<td>4-40 hours</td>
<td>9 hours</td>
</tr>
<tr>
<td>CDC</td>
<td>8</td>
<td>16-56 hours</td>
<td>24 hours</td>
</tr>
</tbody>
</table>

11. (Continued) Length of training by type of training
12.(a) Is confirmatory testing performed (either in your facility or another facility) on initially reactive (preliminary positive) HIV rapid tests?

<table>
<thead>
<tr>
<th>Facility Type</th>
<th>Yes</th>
<th>No</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospital</td>
<td>158 (96%)</td>
<td>6 (4%)</td>
<td>164 (65%)</td>
</tr>
<tr>
<td>Health Department</td>
<td>32 (100%)</td>
<td></td>
<td>32 (13%)</td>
</tr>
<tr>
<td>Physician Office</td>
<td>13 (93%)</td>
<td>1 (7%)</td>
<td>14 (6%)</td>
</tr>
<tr>
<td>Community Based Organization (CBO)</td>
<td>9 (82%)</td>
<td>2 (18%)</td>
<td>11 (4%)</td>
</tr>
<tr>
<td>Independent Lab</td>
<td>10 (100%)</td>
<td></td>
<td>10 (4%)</td>
</tr>
<tr>
<td>HIV Counseling and testing site</td>
<td>8 (100%)</td>
<td></td>
<td>8 (3%)</td>
</tr>
<tr>
<td>Other primary classification, specified</td>
<td>4 (80%)</td>
<td>1 (20%)</td>
<td>5 (2%)</td>
</tr>
<tr>
<td>Family planning center</td>
<td>2 (100%)</td>
<td></td>
<td>2 (1%)</td>
</tr>
<tr>
<td>STD Clinic</td>
<td>2 (100%)</td>
<td></td>
<td>2 (1%)</td>
</tr>
<tr>
<td>Blood/plasma donor center</td>
<td></td>
<td>1 (100%)</td>
<td>1 (0.4%)</td>
</tr>
<tr>
<td>Drug use treatment center</td>
<td>1 (100%)</td>
<td></td>
<td>1 (0.4%)</td>
</tr>
<tr>
<td>Health Management Organization (HMO)</td>
<td>1 (100%)</td>
<td></td>
<td>1 (0.4%)</td>
</tr>
<tr>
<td>Mobile Unit</td>
<td>1 (100%)</td>
<td></td>
<td>1 (0.4%)</td>
</tr>
<tr>
<td>Total</td>
<td>241 (96%)</td>
<td>11 (4%)</td>
<td>252 (100%)</td>
</tr>
</tbody>
</table>
12.(b) What is the typical algorithm, or order of tests, you use in your laboratory/testing site for HIV rapid testing and confirmatory testing?

**Algorithms for HIV Rapid Testing**

<table>
<thead>
<tr>
<th>Step 1</th>
<th>Step 2</th>
<th>Step 3</th>
<th>Step 4</th>
<th>Step 5</th>
<th>Number of Laboratories</th>
<th>Percentage of Laboratories</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT</td>
<td>EIA</td>
<td>WB</td>
<td></td>
<td></td>
<td>66</td>
<td>29.3%</td>
</tr>
<tr>
<td>RT</td>
<td>WB</td>
<td></td>
<td></td>
<td></td>
<td>54</td>
<td>24.0%</td>
</tr>
<tr>
<td>RT</td>
<td>RT</td>
<td>WB</td>
<td></td>
<td></td>
<td>20</td>
<td>8.9%</td>
</tr>
<tr>
<td>RT</td>
<td>RT/RT</td>
<td>WB</td>
<td></td>
<td></td>
<td>17</td>
<td>7.6%</td>
</tr>
<tr>
<td>RT</td>
<td>RT</td>
<td>EIA</td>
<td>WB</td>
<td></td>
<td>15</td>
<td>6.7%</td>
</tr>
<tr>
<td>RT</td>
<td>RT/RT</td>
<td>EIA</td>
<td>WB</td>
<td></td>
<td>10</td>
<td>4.4%</td>
</tr>
<tr>
<td>RT</td>
<td>RT</td>
<td></td>
<td></td>
<td></td>
<td>7</td>
<td>3.1%</td>
</tr>
<tr>
<td>RT</td>
<td>EIA</td>
<td>EIA</td>
<td>WB</td>
<td></td>
<td>5</td>
<td>2.2%</td>
</tr>
<tr>
<td>RT</td>
<td>EIA</td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>2.2%</td>
</tr>
<tr>
<td>EIA</td>
<td>RT</td>
<td>WB</td>
<td></td>
<td></td>
<td>4</td>
<td>1.8%</td>
</tr>
<tr>
<td>RT</td>
<td>EIA</td>
<td>IFA</td>
<td></td>
<td></td>
<td>4</td>
<td>1.8%</td>
</tr>
<tr>
<td>RT/RT</td>
<td>EIA</td>
<td>WB</td>
<td></td>
<td></td>
<td>3</td>
<td>1.3%</td>
</tr>
<tr>
<td>RT</td>
<td>RT</td>
<td>EIA</td>
<td></td>
<td></td>
<td>3</td>
<td>1.3%</td>
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<td>RT</td>
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<td>2</td>
<td>0.9%</td>
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<td>RT</td>
<td>EIA</td>
<td>IFA</td>
<td>WB</td>
<td></td>
<td>2</td>
<td>0.9%</td>
</tr>
</tbody>
</table>

Other Algorithms 8 3.5%

**Labels for Test:** RT = HIV Rapid Testing, EIA = HIV-1 Enzyme Immunoassay, WB = HIV-1 Western Blot (WB), IFA = HIV-1 Indirect Immunofluorescence (IFA)

RT/RT = 2 rapid HIV tests, done simultaneously
12.(c) What specimen type do you use to confirm initially reactive HIV rapid test results? (Check all that apply.)

- Dried blood spot: 204 (78%)
- Whole blood, finger stick: 37 (14%)
- Oral fluid: 10 (4%)
- Whole blood, venous: 9 (3%)
- Serum/Plasma: 1 (0.4%)

N=261 Responses
12. (d) Of the initially reactive (preliminary positive) HIV rapid test results for which a confirmatory test was performed, what percentage was confirmed as positive? Please round off to the nearest whole percentage.)

- 62 (38%) of the testing sites confirmed positive at 100%.
- 27 (17%) confirmed positive at 90-99%.
- 5 (3%) confirmed positive at 80-89%.
- 5 (3%) confirmed positive at 70-79%.
- 4 (2%) confirmed positive at 60-69%.
- 5 (3%) confirmed positive at 50-59%.
- 1 (1%) confirmed positive at 2-49%.
- 10 (6%) confirmed positive at 1.

(n=162)
13. On average, how much time passes from collection of the specimen for HIV rapid testing at your facility until results are reported (given) to the client/patient? (Check only one.)

Of the 13 facilities that responded “other”:

- eight answered that the time varied, of these
  - four varied depending on if the specimen was a “stat” (urgent) or routine specimen,
  - three varied depending on if the result was positive/initially reactive or negative/non-reactive, and
  - one varied depending on the location of the collection site.
- three facilities answered “unknown” or commented that the result was referred.
- two facilities responded with times of between 5-7 days.
14.(a) What is the typical reporting procedure to the client/patient for an initially reactive (preliminary positive) HIV rapid test? (Check all that apply.)

- Report to physician: 140
- Report to employee health: 137
- Not reported to client directly: 78
- Report to client/patient same day: 74
- Do not report; Confirm prior to reporting: 46
- Other: 9

(N=484 Responses)

14.(b) What is the typical referral procedure to the client/patient for an initially reactive (preliminary positive) HIV rapid test? (Check all that apply.)

- Refer to physician: 132
- Refer to employee health: 113
- Refer to counseling center: 51
- No referral procedure: 30
- Other: 29

(N=355 Responses)
14.(c) What is the typical reporting procedure to the client/patient for a negative HIV rapid test? (Check all that apply.)

- Report to physician: 147
- Report to employee health: 138
- Report same day: 80
- Do not report directly: 65
- Perform follow-up prior to reporting: 9
- Other: 6

(N=445 Responses)

14.(d) What is the typical referral procedure for the client/patient for a negative HIV rapid test? (Check all that apply.)

- Refer to employee health: 89
- No referral procedure: 79
- Refer to physician: 77
- Other: 30
- Refer to counseling center: 30

(N=305)
14.(e) Does your facility/testing site provide onsite HIV counseling to clients/patients?

14. (f) At your facility/testing site, who provides client/patient consultation for initially reactive (preliminary positive) HIV rapid testing results? (Check all that apply.)

(N=417 Responses)
15. (a) What is the typical HIV results reporting procedure(s) for the purposes of HIV surveillance? (Check all that apply.)

- Simultaneously report HIVRT results to Health Dept. & physician/health care provider: 65 responses (U.S. 55, Non-U.S. 10)
- Report HIVRT results directly to Health Department: 55 responses (U.S. 45, Non-U.S. 10)
- Do not know: 36 responses (U.S. 30, Non-U.S. 6)
- Report HIVRT results to physician first; physician reports to Health Department: 31 responses (U.S. 25, Non-U.S. 6)
- No further reporting of HIVRT results for surveillance: 23 responses (U.S. 18, Non-U.S. 5)
- Other mechanism of reporting HIVRT results for surveillance purposes: 18 responses (U.S. 14, Non-U.S. 4)

15. (b) To which health departments do you report HIV rapid testing results? (Check all that apply.)

- State/Provincial: 152 responses (U.S. 140, Non-U.S. 12)
- None: 114 responses (U.S. 104, Non-U.S. 10)
- Local: 86 responses (U.S. 80, Non-U.S. 6)
- Ministry of Health: 4 responses (U.S. 4, Non-U.S. 0)
- Other: 5 responses (U.S. 4, Non-U.S. 1)
- Federal Surv System: 7 responses (U.S. 4, Non-U.S. 3)
- Nat'l Ref Lab: 3 responses (U.S. 2, Non-U.S. 1)
16. How often does your facility/testing site run external controls (positive or negative controls not included in the test kit) when performing HIV rapid testing? (Check all that apply.)

- When opening new lot: 138
- With each run: 82
- Whenever new shipment arrives: 72
- By each new operator: 72
- When temp of the kit storage is out of range: 64
- When opening new box: 58
- When temp of testing area out of range: 53
- Never: 53
- Daily: 20
- Monthly: 18
- Other: 11
- Weekly: 10
- With every shift change: 8
- After certain # test: 5

(Number of Responses: N=664 Responses)

16. (Continued) Facilities Responding ‘Never’ to Question 16 by Lab Type

- Hospital: 37
- Independent: 4
- Health Department: 2
- Physician Office: 2
- CBO: 1
- HMO: 1
- Other: 2

(Number of Responses: N=53)
17. In which external HIV proficiency testing (PT) or performance evaluation (PE) program(s) does your facility participate? (Check all that apply.)

- MPEP: 182
- College of American Pathologists: 129
- Wisconsin State Lab of Hygiene: 25
- NY State Dept of Health: 9
- American Proficiency Instit: 8
- American Assoc of Bioanalysts: 5
- None: 3
- Other State Program: 1
- National Program: 2

(n=398)

18. Approximately how much does your facility charge to perform an HIV rapid test? (Round off to nearest U.S. Dollar.)

- No Charge: 68
- $1-$4: 10
- $5-$10: 5
- $11-$20: 10
- $21-$50: 47
- $51-$100: 50
- >$100: 18

(n=218)