The New Landscape of HIV Testing

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Simple Definition of LANDSCAPE

: a picture that shows a natural scene of land or the countryside

: an area of land that has a particular quality or appearance

: a particular area of activity
What’s New in the Landscape?

Since the 2012 conference:

• Updated HIV testing recommendations
  – A new laboratory algorithm for HIV diagnosis
• Several new diagnostic tests approved by FDA
• Revised surveillance case definitions
• New test for estimating HIV incidence in the U.S.
• Clinical practice guidelines for PrEP
Communication is Essential
CDC/APHL Laboratory Algorithm

Laboratory Testing for the Diagnosis of HIV Infection
Updated Recommendations

New tests, New results
Next steps??
Adoption of the Recommended Algorithm

• APHL survey: 55% (41/74) of responding PHLs had implemented as of 2014
• Cost/Funding was PHL’s #1 impediment to implementing
  – Ag/Ab IA,
  – Ab Differentiation IA
  – HIV-1 NAT
NYS-licensed clinical laboratories – Sept 2015

Screening Tests: 252 labs reporting
- Only 21% were using a lab-based Ag/Ab Combo IA
- 55% were screening with a rapid test
  - 19% were using the Ag/Ab combo rapid test

Supplemental Tests: 52 labs reporting
- 75% were using a HIV-1/2 Ab Differentiation IA (Multispot)
- 20% were using either Western blot (19%) or IFA (2%)
Our Charge for the 2016 Conference

• Evaluate data
  – The CDC/APHL laboratory testing algorithm
  – New screening and supplemental tests
  – Beyond the lab: Timeliness, Linkage to care

• Consider new situations, new approaches

• Share successes, address challenges, fill gaps, develop solutions
**Tues 8:30-9:30**
Overcoming the Challenges and Barriers to Implementing the HIV Diagnostic Testing Algorithm in your Laboratory

**Tues 4:00-5:00**
Challenges and Successes of Implementing the HIV Diagnostic Testing Algorithm: Reports from Four HIV Surveillance Programs

**Wed 8:30-9:30**
Improving the Impact of HIV testing Through Better Linkage to Care and More Timely Viral Suppression

**Wed 3:15-4:15**
Dried Blood Spots (DBS) May Have High Utility Both in Resource Limited Settings and in Hard to Reach Populations for Diagnosis and Treatment Decisions
Tests and Technology

• New technologies allow us to expand and improve testing

• More HIV tests available than ever
  – But needs still exist

• Talk to the manufacturers!
  • Meet the Exhibitors – Tues 5:00-6:30
Your Feedback is Requested!

- New Technology and its Impact on the CDC/APHL Laboratory Testing Algorithm
  - Immediately following the final oral session
  - Data presented here will be summarized
  - Provide input on the next update to the HIV Diagnostic Testing Algorithm
HIV Testing: A Landscape in Flux

HIV 101 Workshop

• Update on HIV Testing Technology
  – S. Michele Owen, PhD, CDC

• Why HIV Tests are Regulated as They Are, and Understanding the Package Insert
  – Pradip Akolkar, PhD, U.S. FDA

• Evaluating HIV Test Performance
  – Bernard M. Branson, MD, Scientific Affairs

• Health Department HIV Testing Programs: Status and Opportunities
  – Liisa Randall, PhD, Massachusetts DPH

• Uses of HIV Test Results in Classifying New Diagnoses for Surveillance
  – Albert Barskey, MPH, CDC

• Use of Lab Data for Prevention
  – AD McNaghten, PhD, MHSA, CDC

None has a conflict of interest to report.
The Team

Conference Co-chairs
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