Data Integration and Improving HIV Outcomes

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Disclosures

Presenter has no financial interest to disclose.

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Learning Objectives

At the conclusion of this activity, the participant will be able to:

1. Understand how the HIV Care Continuum is a tool for examining data and care issues

2. Understand how Virginia has merged information across systems and funding streams to improve health outcomes for PLWH
Obtaining CME/CE Credit

If you would like to receive continuing education credit for this activity, please visit:

http://ryanwhite.cds.pesgce.com
Data Collaboration Across Work Units

• HIV Care
• HIV Prevention
• HIV Surveillance
• STD Surveillance, Operations, and Data Administration
• TB
Initiatives

• SPNS Systems Linkages (2011-2016)

• Care and Prevention in the United States (2012-2016)

• Black Box, with MD and DC, led by Georgetown (2014-now)

• SPNS Health Information Technology (2014-2017)
The HIV Continuum of Care

What’s considered a care marker?

1. **CD4 test**
   - Linkage: Evidence of a care marker within 30/90 days of initial HIV diagnosis

2. **Viral load test**
   - Retention: 2 or more care markers in 12 months at least 3 months apart

3. **HIV medical care visit**
   - Viral Suppression: Last viral load <200 copies/mL in the time period being measured

4. **ART prescription**
Care Markers Database: Sources

• eHARS
• HIV Care
• ADAP
• HIV Testing

• Medical Monitoring Project
• STD*MIS
• Medicaid
• Accurint
HIV Continuum of Care in Virginia: NHAS Goals

- Living in Virginia and aware of HIV diagnosis (in 2013)*: 86%
- Newly diagnosed and linked to care within 30 days: 69%
- Evidence of a 2015 care marker: 56%
- Retained in HIV care in 2015: 43%
- Virally suppressed in 2015: 42%

Linked to care within 90 days: 81%

National HIV/AIDS Strategy 2020 Benchmarks
Ryan White HIV Continuum 2015

- Diagnosed and living with HIV as of 12/31/2015: 10,058
- Newly diagnosed in 2015 and linked to care within 90 days: 91% (437)
- Newly diagnosed in 2015 and linked to care within 30 days: 78% (374)
- Evidence of a care marker in 2015: 100%
- Retained in HIV care in 2015: 89% (8,994)
- Virally suppressed in 2015: 69% (6,951)
Black Box: Real Time HIV Surveillance

• Pilot project from Georgetown, funded by NIH
• Involved DC, MD, and VA Departments of Health
• Utilized privacy technology for sharing surveillance data among jurisdictions
Black Box Results

Output of person-matching across DC, MD, and VA eHARS databases:

<table>
<thead>
<tr>
<th>Person matches across jurisdictions:</th>
<th>Exact</th>
<th>Very High</th>
<th>High</th>
<th>Medium High</th>
<th>Medium</th>
<th>Very Low</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC-MD*</td>
<td>4013</td>
<td>5907</td>
<td>53</td>
<td>268</td>
<td>645</td>
<td>482</td>
<td>11368</td>
</tr>
<tr>
<td>MD-VA*</td>
<td>856</td>
<td>2343</td>
<td>11</td>
<td>117</td>
<td>377</td>
<td>865</td>
<td>4569</td>
</tr>
<tr>
<td>VA-DC*</td>
<td>1064</td>
<td>3340</td>
<td>15</td>
<td>149</td>
<td>438</td>
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<td>11590</td>
<td>79</td>
<td>534</td>
<td>1460</td>
<td>1876</td>
<td>21472</td>
</tr>
</tbody>
</table>

*Bidirectional reporting results (i.e., DC-reported MD matches were equal to MD-reported DC-matches; etc.)

82% of persons have vital clinical and surveillance data across jurisdictions
e2Virginia: Data Sharing

You have a new data sharing request from ABCD Healthcare.

Please log in to https://demo.rde.org/e2virginia/ to grant or deny this request.

Thanks,
the e2Virginia team.
Hello Serge V,

The following are system alert(s) to which you are subscribed:

System: eCOMPAS (https://www.e-compas.com/)
Contract: Ryan White Grantee

<table>
<thead>
<tr>
<th>Type</th>
<th>Alerts</th>
<th>Warnings</th>
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<tbody>
<tr>
<td>CD4 test performed</td>
<td>125</td>
<td>36</td>
</tr>
<tr>
<td>VL test performed</td>
<td>130</td>
<td>34</td>
</tr>
<tr>
<td>Missed Medical Appointment (last medical visit)</td>
<td>168</td>
<td>N/A</td>
</tr>
<tr>
<td>CD4 results less than 200 and status not AIDS</td>
<td>8</td>
<td>N/A</td>
</tr>
<tr>
<td>TB / TST Eligible but not tested this year</td>
<td>106</td>
<td>N/A</td>
</tr>
<tr>
<td>Inactive Clients</td>
<td>115</td>
<td>N/A</td>
</tr>
</tbody>
</table>

You may manage your subscriptions to alerts and reminders by logging into eCOMPAS, clicking the My Account button, and then by clicking the “Alerts and Reminder” tab.

Thank you,
The eCOMPAS Team
Future Directions

• Update HIV Surveillance Data

• Expand e2Virginia

• Public Health Authority for Medical Sites

• Data to Care Linkage Coordinator
Future Directions

• Improve processes based on stakeholder feedback

• Collaborate with other States/Jurisdictions

• All of these will improve health outcomes for PLWH
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