“Continuing to Care”
Using Data to Address Disparities

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Agenda

The Face of HIV in Tennessee
HIV Continuum of Care in Tennessee
Taking a Closer Look: Black MSM
Using Data to Address Disparities
New HIV Diagnoses in TN (2010)

(n=843, by sex and race/ethnicity)

Males (n=648, 77%)

- Black: 61%
- White: 31%
- Hispanic: 7%
- Other: 1%

Females (n=195, 23%)

- Black: 75%
- White: 16%
- Hispanic: 7%
- Other: 2%
New HIV Diagnoses in TN (2010)

\(n=843\), by gender and transmission category

**Males \(n=648\), 77%**
- MSM: 62%
- Hetero: 25%
- IDU: 10%
- NIR: 2%

**Females \(n=195\), 23%**
- Hetero: 63%
- IDU: 32%
- NIR: 3%
- Perinatal Exp: 2%
New HIV Diagnoses in TN (2010)

(n=843, by gender and age category)

Males (Mdn=33.9 yrs)

- < 25: 174
- 25-34: 160
- 35-44: 147
- 45+: 167

Females (Mdn=36.9 yrs)

- < 25: 35
- 25-34: 53
- 35-44: 54
- 45+: 53

Age Category

# Cases
HIV Continuum of Care:
Tennessee
HIV Surveillance

Measures of HIV morbidity and mortality

- HIV diagnosis (1st positive confirmatory test)
- Linkage to Care
  - 1st CD4 Count
  - 1st Viral Load Test
  - 1st Drug Resistance test
- AIDS
  - 1st CD4 Count ≤200 or AIDS-OI
- Retention / Response to Care
  - CD4 or VL
- Death

Entry to care

Retention in care and viral suppression
Data Sources & Populations

EHARS (Electronic HIV/AIDS Reporting System)

  - Diagnosed
  - Retained in Care
  - Achieved Suppressed Viral Load

  - Linked to Care
Laboratory Reporting: Challenges & Progress

Prior to Jan 1, 2012
No CD4 & VL reporting policy in place

Effective Jan 1, 2012
Performing labs required to report all VLs & CD4s to the TDH
  • Increasing % of labs received via ELR
  • Remaining labs (paper and ELR rejects) entered manually

Paper copies of VLs and CD4s from 2010 & 2011 entered retrospectively
Definitions

**Diagnosed:** Number of individuals diagnosed with HIV by 31, 2009 who were alive and living in TN as of December 2010

**Linked* to Care:** Individuals newly diagnosed with HIV in 2010 and having ≥ 1 CD4 and/or VL measurements reported within 3 months of diagnosis

**Retained in Care:** Diagnosed individuals having ≥ 2 CD4 /or VL measurements more than 3 months apart in 2010

**Achieved Suppressed VL:** Diagnosed individuals having ≥ 1 measurement in 2010 & the last VL measure ≤ 200 copies/mL
Tennessee Continuum of Care:
All Diagnosed

- Diagnosed: 64
- Linked to Care Engagement in HIV Care: 29
- Retained in Care: 37
- Achieved Suppressed VL: 37
United States vs. Tennessee

- Diagnosed: US 80, TN 64
- Linked to Care: US 45, TN 29
- Retained in Care: US 30, TN 37
- Achieved Suppressed VL:
  - US: 64
  - TN: 37

Legend: US, TN
Tennessee Continuum of Care:  
**Gender**

- **Diagnosed**: All 64, Male 62, Female 68
- **Linked to Care**: All 62, Male 68, Female 64
- **Retained in Care**: All 29, Male 29, Female 30
- **Achieved Suppressed VL**: All 37, Male 37, Female 35

Engagement in HIV Care
Tennessee Continuum of Care: Race/Ethnicity
Tennessee Continuum of Care:
Age Category

Diagnosed
Linked to Care
Retained in Care
Achieved Suppressed VL

Engagement in HIV Care

<table>
<thead>
<tr>
<th>Age Category</th>
<th>15-24</th>
<th>25-34</th>
<th>35-44</th>
<th>45-54</th>
<th>&gt;54</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diagnosed</td>
<td>54</td>
<td>57</td>
<td>66</td>
<td>74</td>
<td>82</td>
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<tr>
<td>Linked to Care</td>
<td>21</td>
<td>27</td>
<td>29</td>
<td>30</td>
<td>33</td>
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<tr>
<td>Retained in Care</td>
<td>21</td>
<td>30</td>
<td>35</td>
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<td>45</td>
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<tr>
<td>Achieved Suppressed VL</td>
<td>21</td>
<td>30</td>
<td>35</td>
<td>40</td>
<td>45</td>
</tr>
</tbody>
</table>
Tennessee Continuum of Care: Transmission Category

Engagement in HIV Care

- Diagnosed
- Linked to Care
- Retained in Care
- Achieved Suppressed VL

- All
- MSM
- Hetero
- IDU
Taking a Closer Look
Definitions: New Diagnoses

**Diagnosed:** Number of individuals diagnosed with HIV by December 31, 2009 who were alive and living in TN as of December 31, 2010.

**Linked to Care:** Individuals newly diagnosed with HIV in 2009 and having ≥ 1 CD4 and/or VL measurement(s) reported within 3 months of diagnosis.

**Retained in Care:** For those linked to care, ≥ 2 CD4 and/or results reported ≥ 3 months apart within 12 months after a medical visit.

**Achieved Suppressed VL:** Diagnosed individuals having ≥ 1 measurement within 12 months of diagnosis & the last measurement ≤ 200 copies/ml.
Tennessee Continuum of Care: Transmission Category (2010)
Tennessee Continuum of Care: MSM (2010)

Engagement in HIV Care

- Diagnosed
- Linked to Care
- Retained in Care
- Achieved Suppressed VL

- All MSM
- Black MSM
- White MSM
How Have We Addressed These Disparities?
Using Data to Address Disparities

APUS Social Network Strategy

APUS DIS Re-engagement Specialists

MSM Task Force

- used data from focus groups & cascade
- incorporated Cultural Competency training in HDs
- targeted media in Metro areas to Black MSM through CPGs

Future possibilities

- targeted ARTAS RFP
- partnership with Ryan White Part A in Memphis/Nashville
Questions?
Thank you!

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Texas Department of Health. (2010a). Data from eHARS database.