#ADHERENCE2016

Ending AIDS as a Public Health Threat: The Power of Change

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IAPAC
INTERNATIONAL ASSOCIATION OF PROVIDERS OF AIDS CARE

PIM
Postgraduate Institute for Medicine
Fast-Track Cities: Using Data to Optimize Local HIV Care and Prevention Continua

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Conflict of Interest Disclosure

Sarah Rowan, MD

Has no real or apparent conflicts of interest to report.
HIV in Metro Denver

- 75% of PLWH in Colorado reside in 5 county metro area
- 7534 individuals censored for death, outmigration
  - 88% male; 62% white; 19% Hispanic; 16% black;
  - 73% MSM, 9% MSM-IDU, 5% IDU, 4% hetero
- 1621 new HIV diagnoses in metro area 2010-2014
- 32% late diagnoses

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**Metro Denver HIV Care Continuum, 2015**

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Estimated Persons Living with HIV</td>
<td>8399</td>
<td>100%</td>
</tr>
<tr>
<td>HIV Diagnosed</td>
<td>7534</td>
<td>89.7%</td>
</tr>
<tr>
<td>Retained (≥1 visit in last 12 months)</td>
<td>5875</td>
<td>70%</td>
</tr>
<tr>
<td>Virally Suppressed</td>
<td>5135</td>
<td>61%</td>
</tr>
</tbody>
</table>
Becoming a Fast Track City

2015

February
- DPH approached by IAPAC

May
- FTCI supported by RW Planning Council

June
- DPH/IAPAC meeting with Denver Mayor
  - “This is great. Why have I not heard of this before?”

July
- DPH meeting with Denver Mayor

August
- Denver Deputy Mayor signs Paris Declaration
- AIDS Walk

December
- Colorado Governor signs proclamation
- Denver City Council approves proclamation

Proclamation

WHEREAS, since the early 1980s, Colorado, the United States, and the world have been devastated by the loss of life and the impact of AIDS (Acquired Immunodeficiency Syndrome) and HIV (Human Immunodeficiency Virus); and WHEREAS, we endorse UNAIDS and the City and County of Denver in acknowledging the significance of the 90-90-90 Paris Declaration and issue a call to action for achieving the global milestones of knowledge of HIV status...
Data Assessment:
How do we collect and measure data?

- How many people are living with HIV in Metro Denver?
- How many PLWH are undiagnosed?
- What defines retention in care?
- What defines viral suppression?
- How do we measure disparities?
- Rates, absolute numbers, medians, means
Data Assessment: What does the data tell us?

- Proportions and numbers of late diagnoses are decreasing.
- No previously HIV-diagnosed patients progressed to AIDS in 2015!
- Black and Hispanic individuals have significantly higher rates of HIV diagnosis.

<table>
<thead>
<tr>
<th>Year</th>
<th>Progression to AIDS</th>
<th>Concurrent HIV-AIDS diagnoses</th>
<th>Mean CD4 count at time of HIV diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>54</td>
<td>117</td>
<td>485</td>
</tr>
<tr>
<td>2007</td>
<td>49</td>
<td>109</td>
<td>521</td>
</tr>
<tr>
<td>2008</td>
<td>36</td>
<td>137</td>
<td>577</td>
</tr>
<tr>
<td>2009</td>
<td>28</td>
<td>94</td>
<td>572</td>
</tr>
<tr>
<td>2010</td>
<td>15</td>
<td>111</td>
<td>583</td>
</tr>
<tr>
<td>2011</td>
<td>9</td>
<td>91</td>
<td>586</td>
</tr>
<tr>
<td>2012</td>
<td>13</td>
<td>80</td>
<td>596</td>
</tr>
<tr>
<td>2013</td>
<td>7</td>
<td>73</td>
<td>586</td>
</tr>
<tr>
<td>2014</td>
<td>2</td>
<td>69</td>
<td>570</td>
</tr>
<tr>
<td>2015</td>
<td>0</td>
<td>61</td>
<td>488</td>
</tr>
</tbody>
</table>

HIV/AIDS Diagnoses by Race/Ethnicity Rate per 100,000
Data Assessment: What does the data tell us?

- We need to improve retention in care
- Disparities are still present for individuals in care
- We need to look more closely at the continuum by other variables
What do we do next as a Fast Track City?

- HIV Monitoring Report
- Build Task Force

Ending AIDS in Metro Denver
Quarterly HIV monitoring report for Adams, Arapahoe, Denver, Douglas and Jefferson Counties

Background In August 2015, Denver signed on to the Fast Track Cities Initiative to end the AIDS epidemic by 2030. Given the flow of people and resources throughout the five counties that comprise Metro Denver, the campaign will use epidemiological data from the five counties to follow progress.

<table>
<thead>
<tr>
<th>Transmission Category</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sept</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heterosexual</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>IDU</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>MSM</td>
<td>17</td>
<td>10</td>
<td>17</td>
<td>13</td>
<td>15</td>
<td>16</td>
<td>14</td>
<td>9</td>
<td>13</td>
<td>11</td>
<td>12</td>
<td>11</td>
</tr>
<tr>
<td>MSM &amp; IDU</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>0</td>
<td>2</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Unknown</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td>2</td>
<td>11</td>
<td>8</td>
<td>5</td>
<td>4</td>
<td>7</td>
<td>7</td>
<td>14</td>
</tr>
<tr>
<td>Total</td>
<td>22</td>
<td>17</td>
<td>28</td>
<td>21</td>
<td>22</td>
<td>30</td>
<td>26</td>
<td>16</td>
<td>18</td>
<td>21</td>
<td>25</td>
<td>26</td>
</tr>
</tbody>
</table>
What are we doing to impact the care continuum?

Prevention / Diagnosis
- PrEP
- Syringe access
- Risk Reduction
- Testing

Linkage
- Linkage to Care Coordination

Retention
- Data to Care
- Case Coordination

Viral Suppression
- ADAP, ACA
- Retention support

Coordination  Monitoring  Reporting
Thank You!

- City of Denver
  - DEH
  - DOHR
  - HRPC
- Denver Health
- TCHD
- CDPHE
- Metro

Area HIV Care Providers
- CBOs
- Patients
- IAPAC

“The stars look very different today.”