HIV Prevention in the Home of Health Reform

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CFAR/APC ECHPP Conference 2012
Washington, DC, November 20th, 2012
Massachusetts HIV/AIDS Epidemic

• As of Sept, 2012: 31,153 MA residents have been diagnosed and reported with HIV/AIDS
  – 18,408 MA residents are living with HIV/AIDS
  – 12,745 MA residents have died
  – An additional 2,393 MA residents living with HIV/AIDS were first diagnosed in another state
• 649 new diagnoses reported in 2010
• 669 new diagnoses (preliminary) reported in 2011

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 9/1/12
Trends in HIV Infection and Death among People Reported with HIV/AIDS by Year: Massachusetts, 2000–2011

Diagnosis of HIV Infection

Death

Note: 2011 Death data are preliminary
Data Source: MDPH HIV/AIDS Surveillance Program; Data as of 9/1/12
People Diagnosed with HIV Infection by Race/Ethnicity and Year of Diagnosis: Massachusetts, 2001–2010

1 Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis.

NH = Non-Hispanic; Data Source: MDPH HIV/AIDS Surveillance Program; Data as of 1/1/12
## Trends in the Massachusetts Cascade 2004-2008

<table>
<thead>
<tr>
<th>Variable</th>
<th>2004</th>
<th>2008</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 2 CD4 Counts 3mo apart</td>
<td>85%</td>
<td>87%</td>
</tr>
<tr>
<td>On ART per guidelines</td>
<td>94%</td>
<td>96%</td>
</tr>
<tr>
<td>Always virologically suppressed</td>
<td>58%</td>
<td>71%</td>
</tr>
<tr>
<td>Never virologically suppressed</td>
<td>14%</td>
<td>7%</td>
</tr>
</tbody>
</table>

- 13-20 clinics, sample 762-967/year
Health Insurance Status - Massachusetts PLHIV

- Medicaid: 70%
- Private Insurance: 27%
- Medicare: 31%
- Other: 6%
- Uninsured: 5%

Source: Massachusetts and Southern New Hampshire HIV/AIDS Consumer Study, JSI & MDPH, Zoll
## HIV Testing Programs at Fenway Health, FY 2012

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>Venue</th>
<th>N</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Sites</td>
<td>Diverse</td>
<td>7477</td>
<td>1.3%</td>
</tr>
<tr>
<td>Fenway Health</td>
<td>16 Haviland Drop-In</td>
<td>1498</td>
<td>1.8%</td>
</tr>
<tr>
<td>Fenway Health</td>
<td>Counselor referral</td>
<td>2246</td>
<td>1.3%</td>
</tr>
<tr>
<td>Sidney Borum</td>
<td>Medical Dept.</td>
<td>652</td>
<td>0.05%</td>
</tr>
<tr>
<td>MAC</td>
<td>Bars, Van, Pride</td>
<td>200</td>
<td>1.0%</td>
</tr>
<tr>
<td>MAC</td>
<td>Housing Project</td>
<td>75</td>
<td>2.0%</td>
</tr>
<tr>
<td>Fenway Med</td>
<td>1° Provider</td>
<td>2806</td>
<td>1.0%</td>
</tr>
</tbody>
</table>

Source: CDC and MDPH Data as Reported July 2011-June 2012
16 Haviland: “One stop shopping”

- HIV drop in services
- Referrals for STD screening and access to NPEP
- Referral for medical care and behavioral health
- Referrals to CDC EBIs
- Peer health system navigators
- Partner notification services
- Referrals to biomedical and behavioral research studies
Local HIV Prevention Research

- PrEP: HPTN 069, NIMH R34
- Rectal Microbicides: MTN 017
- Preventive Vaccine: HVTN 505
- Black MSM: HPTN 061
- Life skills for transgender women (NIMH)
- Addressing CSA in HIV-infected MSM (NIMH)
- Home blood testing for high risk MSM (NIAID)
- Substance Use Interventions (NIDA):
  - Contingency management for stimulant users
  - Feasibility of PrEP for stimulant users
  - Brief intervention for HIV+ MSM (NIAAA)
Rate of Reported HIV Infection Incidence among 12-24 year olds by Boston Zip Codes, 2005-2009

Reported HIV Rate per 100,000 among 12-24 year olds

- rate suppressed for confidentiality purposes (13)
- 5 - 14 (6)
- 15 - 20 (5)
- 21 - 28 (3)
- 29 - 49 (2)

Sources: Massachusetts Department of Public Health, 2011 & US Census Bureau, 2010

Data reflects age at diagnosis and includes individuals who may have progressed to AIDS.

Data received from Massachusetts DPH, which was organized by neighborhoods, was reorganized at zip code level to calculate infection rates. A neighborhood layer was overlaid for practical and impact purposes to identify the most at risk Boston neighborhoods.

Reported cases where no zip code was provided are not included on this map. Data does not include prisoners.
The End of AIDS in Communities of Color
Health Disparities, Hurdles and Hope:
Ending the HIV Epidemic in the U.S.

November 5, 2012
4:00 – 7:00 pm

The Naismith Memorial Basketball Hall of Fame
1000 Hall Fame Avenue
Springfield, MA 01105

Fenway Health is looking for YOUNG TRANS WOMEN
to take part in a research study to improve health and wellness.

You might be eligible to participate if you are:
• A trans woman/On the MTF spectrum
• Age 16 to 24
• Sexually active

ARE YOU READY TO
THRIVE?
MORE THAN
1 IN 4 MEN
WHO HAVE SEX WITH MEN
HAVE EXPERIENCED
CHILDHOOD SEXUAL ABUSE

FENWAY HEALTH

THE FENWAY INSTITUTE

THERE’S A NEW WAY
TO STAY SAFE WHILE
YOU’RE HAVING FUN.

The FDA has approved a new once-a-day pill that can reduce your HIV risk up to 90%.

Fenway Health is involved in research that is helping to bring this new pill to market.

You may be eligible if you:
• Are a man sexually active with other men
• Are HIV-negative
• Have engaged in anal sex in the last three months

For more information and to see if you qualify, call or text Fenway Health at 617-859-2045.
Boston/Mass Conclusions

- Secular trends suggest that HIV incidence is ↓
- Hard to disentangle single reason, but there is:
  1. Close coordination between MDPH/BPHC, community and academic stakeholders
  2. Supportive environment
     - State supplementation of ADAP
     - Marriage equality, early needle exchange
  3. Health Reform
  4. Research supports community ed/engagement

Continued close communication needed
Concerns about resources to sustain success
Thank You

The Fenway Institute
Rodney Vanderwarker
Chris Grasso
Steve Boswell
Jon Vincent
Matthew Mimiaga

MDPH Office of HIV/AIDS
Kevin Cranston
Dawn Fukuda
Maura Miminos
Barry Callis

Harvard CFAR
Mark Ingaciola
Wanda Allen
Bruce Walker

NIAID, NIMH, NIDA, NICHD, CDC, HRSA, MDPH,