WORLD AIDS DAY 2012

December 1, 2012

Infectious Disease Bureau
Prevention and Health Promotion Administration
Maryland Department of Health and Mental Hygiene
INTERNATIONAL
Adults and children estimated to be living with HIV | 2011

**Total: 34.0 million [31.4 million – 35.9 million]**

International Numbers

34.0 million people living with HIV in 2011
23.5 million are in sub-Saharan Africa
2.5 million new HIV infections in 2011
1.7 million AIDS deaths in 2011


UNITED STATES
In 2010, in the U.S. and 5 U.S. dependent areas, the estimated rate of AIDS diagnoses was 10.8 per 100,000 population. The estimated rates of AIDS diagnoses ranged from 0.0 per 100,000 in American Samoa and the Northern Mariana Islands to 112.5 per 100,000 in the District of Columbia. The District of Columbia is a metropolitan area; use caution when comparing the AIDS diagnosis rate in D.C. to state AIDS rates.
National Numbers

1.1 million adults/adolescents living with HIV/AIDS at the end of 2009, and 18% do not know it!

(CDC. HIV Supplemental Surveillance Report, 2012;17(No. 3, part A))

48,100 new HIV infections in 2009


17,774 estimated AIDS deaths in 2009

(CDC. HIV Surveillance Report, 2010)
# 2010 Estimated HIV Diagnoses, Ranked by Rates

<table>
<thead>
<tr>
<th>STATE/TERRITORY</th>
<th>Cases</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. District of Columbia*</td>
<td>939</td>
<td>156.7</td>
</tr>
<tr>
<td>2. Virgin Islands</td>
<td>47</td>
<td>42.8</td>
</tr>
<tr>
<td>3. Florida</td>
<td>5,782</td>
<td>31.2</td>
</tr>
<tr>
<td><strong>4. Maryland</strong></td>
<td>1,708</td>
<td>30.0</td>
</tr>
<tr>
<td>5. Louisiana</td>
<td>1,279</td>
<td>28.5</td>
</tr>
<tr>
<td>6. Puerto Rico</td>
<td>1,118</td>
<td>28.2</td>
</tr>
<tr>
<td>7. New York</td>
<td>5,321</td>
<td>27.2</td>
</tr>
<tr>
<td>8. Georgia</td>
<td>2,581</td>
<td>26.3</td>
</tr>
<tr>
<td>9. New Jersey</td>
<td>2,207</td>
<td>25.3</td>
</tr>
<tr>
<td>10. South Carolina</td>
<td>914</td>
<td>20.0</td>
</tr>
</tbody>
</table>

**United States**

<table>
<thead>
<tr>
<th>Cases</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>48,298</td>
<td>16.3</td>
</tr>
</tbody>
</table>

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* Maryland DHMH estimates from CDC data.

** Based on 46 states and 5 territories.
## 2010 Estimated HIV Diagnoses, Ranked by Rates

<table>
<thead>
<tr>
<th>METROPOLITAN AREA</th>
<th>Cases</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Miami, FL</td>
<td>2,757</td>
<td>49.7</td>
</tr>
<tr>
<td>2. Baton Rouge, LA</td>
<td>339</td>
<td>43.0</td>
</tr>
<tr>
<td>3. New Orleans-Metairie-Kenner, LA</td>
<td>439</td>
<td>36.9</td>
</tr>
<tr>
<td>4. Washington, DC-VA-MD-WV*</td>
<td>1,995</td>
<td>36.4</td>
</tr>
<tr>
<td>5. Baltimore-Towson, MD*</td>
<td>951</td>
<td>35.4</td>
</tr>
<tr>
<td>6. Jackson, MS</td>
<td>184</td>
<td>34.0</td>
</tr>
<tr>
<td>7. Memphis, TN-MS-AR</td>
<td>440</td>
<td>33.7</td>
</tr>
<tr>
<td>8. Orlando, FL</td>
<td>686</td>
<td>32.9</td>
</tr>
<tr>
<td>9. New York, NY-NJ-PA</td>
<td>6,160</td>
<td>32.3</td>
</tr>
<tr>
<td>10. Columbia, SC</td>
<td>230</td>
<td>30.9</td>
</tr>
<tr>
<td><strong>United States</strong></td>
<td>47,692</td>
<td>16.3</td>
</tr>
</tbody>
</table>

* Maryland DHMH estimates from CDC data.
** Based on 46 states and 5 territories.
# 2009 Estimated Adults Living with HIV, Ranked by Rates

<table>
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<tr>
<th>STATE/TERRITORY</th>
<th>Cases</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. District of Columbia*</td>
<td>13,973</td>
<td>2,330.2</td>
</tr>
<tr>
<td>2. New York</td>
<td>130,608</td>
<td>795.9</td>
</tr>
<tr>
<td>3. Virgin Islands</td>
<td>573</td>
<td>632.7</td>
</tr>
<tr>
<td>4. Florida</td>
<td>92,874</td>
<td>594.8</td>
</tr>
<tr>
<td>5. Puerto Rico</td>
<td>18,350</td>
<td>555.7</td>
</tr>
<tr>
<td><strong>6. Maryland</strong>*</td>
<td>29,282</td>
<td>513.8</td>
</tr>
<tr>
<td>7. New Jersey</td>
<td>36,041</td>
<td>497.1</td>
</tr>
<tr>
<td>8. Georgia</td>
<td>35,129</td>
<td>442.6</td>
</tr>
<tr>
<td>9. Louisiana</td>
<td>16,211</td>
<td>440.4</td>
</tr>
<tr>
<td>10. Delaware</td>
<td>2,913</td>
<td>395.8</td>
</tr>
<tr>
<td><strong>United States</strong>**</td>
<td>800,784</td>
<td>327.6</td>
</tr>
</tbody>
</table>

* Maryland DHMH estimates from CDC data.  
** Based on 46 states and 5 territories.
### 2009 Estimated Adults Living with HIV, Ranked by Rates

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<th>METROPOLITAN AREA</th>
<th>Cases</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Miami, FL</td>
<td>48,177</td>
<td>868.5</td>
</tr>
<tr>
<td>2. New York, NY-NJ-PA</td>
<td>140,988</td>
<td>739.3</td>
</tr>
<tr>
<td><strong>3. Baltimore-Towson, MD</strong></td>
<td><strong>18,116</strong></td>
<td><strong>673.3</strong></td>
</tr>
<tr>
<td>4. New Orleans-Metairie-Kenner, LA</td>
<td>7,380</td>
<td>620.2</td>
</tr>
<tr>
<td>5. Jackson, MS</td>
<td>2,952</td>
<td>545.8</td>
</tr>
<tr>
<td>6. San Francisco, CA</td>
<td>23,101</td>
<td>535.0</td>
</tr>
<tr>
<td><strong>7. Washington, DC-VA-MD-WV</strong></td>
<td><strong>29,163</strong></td>
<td><strong>532.5</strong></td>
</tr>
<tr>
<td>8. Memphis, TN-MS-AR</td>
<td>6,891</td>
<td>528.1</td>
</tr>
<tr>
<td>9. Baton Rouge-LA</td>
<td>3,779</td>
<td>480.2</td>
</tr>
<tr>
<td>10. San Juan-Caguas-Guaynabo, PR</td>
<td>12,505</td>
<td>477.8</td>
</tr>
<tr>
<td><strong>United States</strong></td>
<td><strong>793,935</strong></td>
<td><strong>271.4</strong></td>
</tr>
</tbody>
</table>


* Maryland DHMH estimates from CDC data.
** Based on 46 states and 5 territories.
MARYLAND
Maryland Adult/Adolescent Total Living HIV Case Rates by Jurisdiction, Alive on 12/31/10

Adult/Adolescent (Age 13+) Total Living HIV Cases per 100,000 population

- 1,000+
- 500 - 999
- 250 - 499
- 150 - 249
- 0 - 149

State Rate = 615.5 per 100,000

Using data as reported through 12/31/2011
Maryland Numbers

29,642 adults/adolescents living with HIV/AIDS as of the end of 2010
1,430 adults/adolescents reported with HIV diagnoses in 2010
309 AIDS deaths reported during 2010

Maryland had the 2nd highest AIDS case report rate (22.1 cases per 100,000 population) of any state/territory in 2010

Using data as reported through 12/31/2011
Maryland HIV/AIDS Trends

2001-2008 HIV high, due to reporting transition

Using data as reported through 12/31/2011
Maryland Living HIV Cases

+20% Undiagnosed?

Number of Cases

0 5,000 10,000 15,000 20,000 25,000 30,000 35,000

Year


Living HIV Cases without AIDS

Living HIV Cases with AIDS

Using data as reported through 12/31/2011
Maryland Reported HIV Diagnosis Rates by Jurisdiction, 2009

Reported HIV Cases with or without an AIDS diagnosis, per 100,000 population

- 100+
- 50 – 99.9
- 25 – 49.9
- 10 – 24.9
- 0 – 9.9

State Rate = 26.7 per 100,000

Using data as reported through 12/31/2010
Maryland Reported Adult/Adolescent HIV Diagnoses by Region, 2010

N = 1,430

- Baltimore City: 28%
- Suburban: 33%
- Western: 2%
- Eastern: 3%
- Southern: 2%
- Corrections: 4%

Using data as reported through 12/31/2011
Reported Adult/Adolescent HIV Diagnosis Trends by Sex at Birth

Using data as reported through 12/31/2011
Using data as reported through 12/31/2011
Reported Adult/Adolescent HIV Diagnosis Trends by Age at Diagnosis

Using data as reported through 12/31/2011
Reported Adult/Adolescent HIV Diagnosis Trends by Exposure Category

Using data as reported through 12/31/2011
Baltimore City
Total Living Adult/Adolescent HIV Case Rates Baltimore City, 12/31/2010

By ZIP code of residence at diagnosis

N = 13,064

City rate = 2,495.7 cases per 100,000

Total living HIV cases, age 13+ at diagnosis, alive on 12/31/2010 per 100,000 population

- 4,000+
- 3,000 – 3,999
- 2,000 – 2,999
- 1,000 – 1,999
- 0 – 999
- Population <1,000

Using data as reported through 12/31/2011
Baltimore City Numbers

13,064 adults/adolescents living with HIV/AIDS at the end of 2010

406 adults/adolescents reported with HIV diagnoses in 2010

173 AIDS deaths reported during 2010

Baltimore-Towson had the 4th highest AIDS case report rate of any metropolitan area (26.8 cases per 100,000 population) in the U.S. in 2010

Using data as reported through 12/31/2011
HIV/AIDS Trends
Baltimore City

2001-2008 HIV high, due to reporting transition

Using data as reported through 12/31/2011
Baltimore City Living HIV Cases

+20% Undiagnosed?

Using data as reported through 12/31/2011

Living HIV Cases without AIDS

Living HIV Cases with AIDS
Reported Adult/Adolescent HIV Diagnosis Rates Baltimore City, 2010

Using data as reported through 12/31/2011

Reported HIV diagnoses, age 13+, with or without an AIDS diagnosis per 100,000 population

- 200+ cases
- 100 – 199 cases
- 50 – 99 cases
- 1 – 49 cases
- 0 cases
- Population <1,000

By ZIP code of residence at diagnosis

City rate = 77.6 cases per 100,000

N = 406 cases
Reported Adult/Adolescent HIV Diagnosis Trends by Sex at Birth, Baltimore City

Using data as reported through 12/31/2011
Reported Adult/Adolescent HIV Diagnosis Trends by Race/Ethnicity, Baltimore City

Using data as reported through 12/31/2011
Reported Adult/Adolescent HIV Diagnosis Trends by Age at Diagnosis, Baltimore City

Using data as reported through 12/31/2011
Reported Adult/Adolescent HIV Diagnoses, Exposure Category Trends, Baltimore City

Using data as reported through 12/31/2011