The Epidemiology of HIV and AIDS in Iowa

2013 End-of-Year
Iowa HIV/AIDS Surveillance Update

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BUREAU OF HIV, STD, AND HEPATITIS

IOWA HIV COMMUNITY PLANNING GROUP
APRIL 10, 2014
A BIG SHOUT OUT!

and

many thanks to Alagie “Al” Jatta, MS, for analyzing the data and creating an initial slide set!
Summary

• 122 new HIV diagnoses in 2013; 6 more than the 5-year average

• Late diagnoses: good news/bad news/good news/bad news/badder news

• Diagnoses among the foreign born: 27 (22% of total) in 2013; average (20, 18%) for previous 5 years; non-Hispanic blacks = nearly half

• Female diagnoses up 60% from 2012
  o 34 in 2013; 21 in 2012
  o 28% of total diagnoses (5-year average = 17%)
  o 18 (53%) U.S. born; 16 (47%) foreign born
  o Males down 8% (88 in 2013, 96 in 2012)
Summary, continued

• Overall mean and median ages = about 40; range = 16 to 72
  o Females about a year younger than males.

• 50% jump in diagnoses among persons 45 years and older, from 33 in 2012 to 50 (41%) in 2013

• Nearly half (46%) of all new diagnoses were among persons 25 to 44 years of age

• Youth (15 to 24 years of age) still a concern: 18 diagnoses in 2013; 14 males (12 MSM); 4 females, up from 2 in 2012. Diagnoses in this group have averaged 22 per year from 2009 through 2013 compared to the previous 5-year average of 14 per year.
Summary, continued
• Racial and ethnic disparities in 2013
  o non-Hispanic blacks = 3% of Iowa population; 23% of Iowa HIV diagnoses; 11 times more likely to be diagnosed than whites
  o Hispanics = 5% of population; 7% of HIV diagnoses; 2 times more likely to be diagnosed than whites
  o non-Hispanic Asians = 2% of population; 7% of HIV diagnoses; 5 times more likely to be diagnosed than whites
  o non-Hispanic whites = 88% of population; 60% of diagnoses

• Highest prevalence (persons living with HIV or AIDS) per 100,000 persons
  o non-Hispanic black males = 540/100,000
  o non-Hispanic black females = 380/100,000
  o Hispanic males = 183/100,000
Summary, continued

• Male-to-male sex (MSM plus MSM/IDU) over half (60%) of all exposures; 84% of male exposures to HIV.

• Prevalence: 2,100 persons living with HIV/AIDS at the end of 2013; could be as many as 2,524

• 2013 prevalence for the state = 68 per 100,000 population
  o Three counties >100 per 100,000 (0.1% prevalence):
    Polk Co. = 137; Scott Co. = 124; Johnson Co. = 117
  o National and regional prevalence for 2010: U.S. = 282/100,000; Midwestern U.S. = 151; Western U.S. = 232; Southern U.S. = 323; Northeastern U.S. = 422
Diagnoses of HIV Infection in Iowans: 2004 through 2013

Number of Persons

Year of HIV Diagnosis
Percentage of Iowa Late Diagnoses (“Late Testers”): 1997 through 2012
(AIDS diagnosed within 12 months of initial HIV diagnosis)
Iowa Diagnoses of HIV Infection by Gender: 2004 through 2013

IDPH Bureau of HIV, STD, and Hepatitis
Percent of Iowa Diagnoses of HIV infection by Gender: 2004 through 2013

<table>
<thead>
<tr>
<th>Year of HIV Diagnosis</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004</td>
<td>74%</td>
<td>26%</td>
</tr>
<tr>
<td>2005</td>
<td>76%</td>
<td>24%</td>
</tr>
<tr>
<td>2006</td>
<td>81%</td>
<td>19%</td>
</tr>
<tr>
<td>2007</td>
<td>84%</td>
<td>16%</td>
</tr>
<tr>
<td>2008</td>
<td>81%</td>
<td>19%</td>
</tr>
<tr>
<td>2009</td>
<td>83%</td>
<td>17%</td>
</tr>
<tr>
<td>2010</td>
<td>83%</td>
<td>17%</td>
</tr>
<tr>
<td>2011</td>
<td>83%</td>
<td>17%</td>
</tr>
<tr>
<td>2012</td>
<td>82%</td>
<td>18%</td>
</tr>
<tr>
<td>2013</td>
<td>72%</td>
<td>28%</td>
</tr>
</tbody>
</table>
Iowa HIV Diagnoses by Country of Birth: 2004 through 2013

Year of HIV Diagnosis

Number of Persons

US-born
Foreign-born
All Persons

Iowa HIV Diagnoses by Country of Birth:

- US-born
- Foreign-born
- All Persons

IDPH Bureau of HIV, STD, and Hepatitis
Age in Years of Iowans at Diagnosis of HIV: 2004 through 2013

Number of Persons

Year of HIV Diagnosis

IDPH Bureau of HIV, STD, and Hepatitis
Mean and Median Ages of Iowans at Diagnosis of HIV: 2004 through 2013
Iowa Diagnoses of HIV Infection by Ethnicity and Race: 2004 through 2013

- Hispanic, any race: 5.3%
- White, Not Hispanic: 88.0%
- Black/African American, Not Hispanic: 1.9%
- Asian, Not Hispanic: 1.8%
- Other: 3.0%

IDPH Bureau of HIV, STD, and Hepatitis
Iowa HIV Diagnoses by Ethnicity and Race: 2013

- White, Not Hispanic: 61%
- Black/African American, Not Hispanic: 23%
- Hispanic, Any race: 7%
- Asian, Not Hispanic: 7%
- Other, Not Hispanic: 2%
Percentage of Iowa HIV Diagnoses by Race and Country of Birth: 2013

- Hispanic, any race (US): 12%
- Hispanic, any race (FB): 7%
- White, Not Hispanic: 5%
- Black/African American, Not Hispanic (US): 2%
- Black/African American, Not Hispanic (FB): 2%
- Asian, Not Hispanic (FB): 2%
- Other, Not Hispanic: 11%
Proportions of Iowa HIV Diagnoses in 2013 and Proportions of Persons Living with HIV/AIDS as of December 31, 2013, by Ethnicity and Race

<table>
<thead>
<tr>
<th>Ethnicity and Race</th>
<th>New HIV Diagnoses</th>
<th>Living with HIV/AIDS as of December 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>White, NH</td>
<td>66%</td>
<td>61%</td>
</tr>
<tr>
<td>Black, NH</td>
<td>23%</td>
<td>21%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>9%</td>
<td>7%</td>
</tr>
<tr>
<td>Asian, NH</td>
<td>2%</td>
<td>2%</td>
</tr>
<tr>
<td>Other, NH</td>
<td>2%</td>
<td>2%</td>
</tr>
</tbody>
</table>
Persons Living with HIV/AIDS by Race and Gender on December 31, 2013: Persons per 100,000 Population
Iowa Diagnoses of Adult HIV Infection by Exposure Category: 2004 through 2013
Iowa Diagnoses of Adult Male HIV Infection by Exposure Category:
2004 through 2013

Number of Persons

Year of Diagnosis


MSM
IDU
MSM/IDU
Heterosexual
NIR

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Iowa Diagnoses of Adult Female HIV Infection by Exposure Category: 2004 through 2013

IDU
Heterosexual
NIR

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Diagnoses of Adult HIV Infection by Exposure Category where Total MSM = MSM plus MSM/IDU: 2004 through 2013

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Diagnoses of HIV Infection in MSM by Age in Years at Diagnosis: 2004 through 2013
(Total MSM = MSM plus MSM/IDU)
Diagnoses of HIV Infection in MSM for Selected Races and Ethnicities:
2004 through 2013
(Total MSM = MSM plus MSM/IDU)
Estimated Number of Persons Living with HIV or AIDS in Iowa as of December 31 of Each Year: 1987 through 2013

- **Undiagnosed/Unreported**: 1,242
- **HIV**: 2,100
- **AIDS**: 2,524

HIV reporting began in 1988.

HIV Diagnoses and Deaths (from any cause) of Persons with HIV/AIDS: 2004 through 2013
Prevalence of HIV Disease by County of Residence at Diagnosis: Iowans Living with HIV or AIDS per 100,000 Population as of December 31, 2013

* indicates 10 most populous counties
--county numbers do not include prison diagnoses
--population data from 2012 U.S. Census Estimates

Persons Living with HIV/AIDS per 100,000 Population

- Polk
- Scott
- Johnson
- Pottawattamie
- Buena Vista
- Linn
- Black Hawk
- Woodbury
- Marshall
- Wapello
- Des Moines
- Boone
- Dubuque
- Clinton
- Cerro Gordo
- Story
- Muscatine
- Marion
- Dallas
- Jasper
- Lee

State Average = 68 per 100,000 population
This is my thank you dance!

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