Sexually Transmitted Disease (STD) and Human Immunodeficiency Disease (HIV) Reported in the City of Milwaukee 2016
### Chlamydia & Gonorrhea Rates, City of Milwaukee, 2005-2016

#### Chlamydia & Gonorrhea Rates per 100,000

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</tr>
</thead>
<tbody>
<tr>
<td>Chlamydia</td>
<td>1518.2</td>
<td>1618.6</td>
<td>1535.9</td>
<td>1526.1</td>
<td>1534.0</td>
<td>1686.9</td>
<td>1675.1</td>
<td>1531.9</td>
<td>1470.7</td>
<td>1388.1</td>
<td>1459.7</td>
<td>1617.8</td>
</tr>
<tr>
<td>Gonorrhea</td>
<td>634.0</td>
<td>816.4</td>
<td>792.7</td>
<td>659.2</td>
<td>559.1</td>
<td>540.0</td>
<td>519.0</td>
<td>500.0</td>
<td>482.8</td>
<td>389.9</td>
<td>571.6</td>
<td>678.5</td>
</tr>
</tbody>
</table>


Rates calculated per 100,000 based on U.S. Census Bureau 2010 population estimates.
Primary & Secondary Syphilis Rate, City of Milwaukee, 2005-2016

<table>
<thead>
<tr>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary and Secondary Syphilis</td>
<td>2.5</td>
<td>5.7</td>
<td>8.1</td>
<td>6.0</td>
<td>4.0</td>
<td>4.5</td>
<td>5.5</td>
<td>6.1</td>
<td>8.1</td>
<td>8.4</td>
<td>5.4</td>
<td>6.9</td>
</tr>
</tbody>
</table>

Rates calculated per 100,000 based on U.S. Census Bureau 2010 population estimates.
Comparison of 2016 STD and HIV Rates in the City of Milwaukee, Milwaukee County, Wisconsin, and the U.S.

<table>
<thead>
<tr>
<th>Infection</th>
<th>City of Milwaukee</th>
<th>Milwaukee County</th>
<th>Wisconsin</th>
<th>U.S.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Cases</td>
<td>Rate**</td>
<td>Cases</td>
<td>Rate**</td>
</tr>
<tr>
<td>Chlamydia</td>
<td>9,627</td>
<td>1,617.8</td>
<td>10,766</td>
<td>1,129</td>
</tr>
<tr>
<td>Gonorrhea</td>
<td>4,039</td>
<td>679.0</td>
<td>4,323</td>
<td>453</td>
</tr>
<tr>
<td>P&amp;S syphilis</td>
<td>41</td>
<td>6.9</td>
<td>46</td>
<td>4.9</td>
</tr>
<tr>
<td>HIV</td>
<td>104</td>
<td>17.3</td>
<td>115</td>
<td>12.0</td>
</tr>
</tbody>
</table>


*2015 numbers were used from latest surveillance report: CDC Diagnoses of HIV Infection in the United States and Dependent Areas, 2015.

**All rates in Table 1 are defined as number of cases per 100,000 population. Please note that different data sources may have used different population data for the denominator of the rate.
Chlamydia Cases Reported in the City of Milwaukee – 2016 Update
Chlamydia Rates in the City of Milwaukee, Rates per 100,000, 2005-2016

Rates calculated per 100,000 based on U.S. Census Bureau 2010 estimates.
Chlamydia Incidence in the City of Milwaukee, 2005-2016

Chlamydia Rates by Sex, City of Milwaukee, 2010-2016

Chlamydia Rates by Age Group, City of Milwaukee, 2010-2016

Chlamydia Rates in Adolescents and Young Adults, City of Milwaukee, 2010-2016

Age-specific Chlamydia Rates by Sex, City of Milwaukee, 2016

Chlamydia Rates by Race, City of Milwaukee, 2010-2016

Data sources: WEDSS accessed via PHAVR 10/4/2017. Rates calculated per 100,000 based on 2010 U.S. Census data. Please note that a relatively high proportion of cases were missing information on race.
Chlamydia Rates by Ethnicity, City of Milwaukee, 2010-2016

Data sources: WEDSS, accessed via PHAVR 10/4/2017. Rates calculated per 100,000 based on 2010 U.S. Census data. Please note that a relatively high proportion of cases were missing information on ethnicity.
U.S. Metropolitan Statistical Areas (MSAs) with the Highest Incidence of Reported Chlamydia Cases, 2016

Data source: CDC STD Surveillance 2016. Please note that the “Milwaukee” MSA depicted in the graph above is the Milwaukee-Waukesha-West Allis MSA, which consists of Milwaukee, Ozaukee, Washington, and Waukesha Counties.
Gonorrhea Cases Reported in the City of Milwaukee – 2016 Update
Gonorrhea Rates, City of Milwaukee, 2005-2016

Rates calculated per 100,000 based on U.S. Census Bureau 2010 estimates.
Incident Cases of Gonorrhea, City of Milwaukee, 2005-2016

Rates calculated per 100,000 based on U.S. Census Bureau 2010 estimates.
Gonorrhea Rates by Sex, City of Milwaukee, 2010-2016

Gonorrhea Rates by Age Group, City of Milwaukee, 2010-2016

Gonorrhea Rates in Adolescents and Young Adults, City of Milwaukee, 2010-2016

Age-specific Gonorrhea Rates by Sex, City of Milwaukee, 2016

Data sources: WEDSS, accessed via PHIN AVR 11/18/2016. Rates calculated per 100,000 based on 2010 U.S. Census data.
Gonorrhea Rates by Race, City of Milwaukee, 2010-2016

- Black or African American
- White
- Multiple Races
- Other Race

Data sources: WEDSS, accessed via PHIN AVR 11/18/2016. Rates calculated per 100,000 based on 2010 U.S. Census data. Please note that a relatively high proportion of cases were missing information on race.
Gonorrhea Rates by Ethnicity, City of Milwaukee, 2010-2016

U.S. Metropolitan Statistical Areas (MSAs) with the Highest Incidence of Reported Gonorrhea Cases, 2016

Data source: CDC STD Surveillance 2016. Please note that the “Milwaukee” MSA depicted in the graph above is the Milwaukee-Waukesha-West Allis MSA, which consists of Milwaukee, Ozaukee, Washington, and Waukesha Counties.
Syphilis Cases Reported in the City of Milwaukee – 2016 Update
Stages of Syphilis in this Report

• Early syphilis: Includes primary and secondary syphilis stages
  – Most transmissible stages of the disease

• Early latent syphilis:
  – Symptoms of early syphilis have disappeared
  – Applies to cases that were infected within the past year

Syphilis Rates in the City of Milwaukee, 2005-2016


Episode Year

Rate per 100,000

Primary & Secondary syphilis
Early latent
Incident Syphilis Cases by Stage, City of Milwaukee, 2005-2016

Rates calculated per 100,000 based on U.S. Census Bureau 2010 estimates.
Primary and Secondary Syphilis Rates by Sex, City of Milwaukee, Five-Year Average Rate: 2012-2016

<table>
<thead>
<tr>
<th>Sex</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female</td>
<td>1.2</td>
</tr>
<tr>
<td>Male</td>
<td>13.2</td>
</tr>
</tbody>
</table>

Rates calculated per 100,000 based on U.S. Census Bureau 2010 estimates.
Primary and Secondary Syphilis Rates by Age Group, City of Milwaukee, 2010-2016

- <25 years
- 25+ years

Rates calculated per 100,000 based on U.S. Census Bureau 2010 estimates.
Primary and Secondary Syphilis Rates by Race, City of Milwaukee, 2010-2016

Rate per 100,000

Episode Year

Black or African American vs. Other Races

Rates calculated per 100,000 based on U.S. Census Bureau 2010 estimates.
### Primary and Secondary Syphilis Rates by Race, City of Milwaukee, Five-Year Average Rate: 2012-2016

<table>
<thead>
<tr>
<th>Race</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black or African American</td>
<td>8.2</td>
</tr>
<tr>
<td>White</td>
<td>5.0</td>
</tr>
<tr>
<td>Other race</td>
<td>2.0</td>
</tr>
</tbody>
</table>

Primary and Secondary Syphilis Rates by Ethnicity, City of Milwaukee, Five-Year Average Rate: 2011-2015

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hispanic or Latino</td>
<td>5.2</td>
</tr>
<tr>
<td>Not Hispanic or Latino</td>
<td>6.1</td>
</tr>
</tbody>
</table>

Males with Primary & Secondary Syphilis by Sexual Orientation, Milwaukee County, 2005-2016

Data source: City of Milwaukee STD/HIV Program Control Program. Note that data are considered provisional and subject to change.
Newly Reported HIV Cases – 2016 Update
Number of new HIV diagnoses, and percent of statewide diagnoses, Milwaukee, 2007-2016

Number of HIV diagnoses by age and sex, Milwaukee, 2016

![Bar chart showing the number of HIV diagnoses by age and sex in Milwaukee, 2016.](chart)


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HIV diagnosis rate by sex and race/ethnicity, Milwaukee, 2012-2016


†Rates based on counts less than five have been suppressed.
Percentage of 2016 HIV Diagnoses in Each Risk Category, Milwaukee County and the State of Wisconsin

Data source: WI DHS Interactive Map and Table of County HIV Case Surveillance Data, accessed October 30, 2017
HIV diagnoses attributed to male-male sexual contact, ages 13-29, by race/ethnicity, City of Milwaukee, 2007-2016


† Also includes diagnoses attributed to both male-male sexual contact and injection drug use. Data have been statistically adjusted to account for those with unknown transmission category.
HIV diagnosis rate per 100,000, Milwaukee compared to other geographies, 2016

HIV diagnosis rates per 100,000 population, 2016
