Preface
This publication, *Sexually Transmitted Diseases in San Diego County, 2016 Data Slides*, includes reported disease data collected through 2016 for chlamydia, gonorrhea and syphilis. All tables and figures published here supersede those in prior publications.

This slide set provides a comprehensive picture of reported sexually transmitted disease trends and current morbidity in San Diego. These data are compiled to guide policy and program development within the County of San Diego HIV, STD and Hepatitis Branch, local STD programs, and other public health agencies.

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Suggested Citation
STDs Reported Among San Diego County Residents, 1997 – 2016

Note: Scale for syphilis is on the right.
Chlamydia
Key Points

Chlamydia in San Diego County

• Chlamydia is the most commonly reported communicable disease in San Diego County and in California.
• Cases of chlamydia increased by 8.5% from 17,418 cases in 2015 to 18,904 cases in 2016.
• The rate of chlamydia in women is 1.6 times the rate in men.
• Young women, aged 20 to 24 years, have the highest rates of infection.
Chlamydia Rates by Gender and Year
San Diego County, 1997 - 2016

![Graph showing Chlamydia rates by gender and year. The x-axis represents the years from 1997 to 2016, and the y-axis represents the rate per 100,000 population. The graph shows an increase in rates for both females and males over the years. The rate for females in 2016 is 713.6, and for males, it is 434.7.](image-url)
Rectal or Pharyngeal Chlamydia Infections in Males
San Diego County, 2007 - 2016

Number of Cases

Year


295 345 365 424 522 601 630 589 688 804

0 100 200 300 400 500 600 700 800 900
Chlamydia Cases by Gender and Age
San Diego County, 2016

Note: 49 cases were missing gender information, and 30 were missing age information.
Chlamydia Rates by Gender and Age
San Diego County, 2016

Note: Rates exclude 79 cases missing gender or age information.
Chlamydia Cases by Reporting Facility Type
San Diego County, 2016

- Planned Parenthood: 29%
- Military: 12%
- Student Health: 1%
- Community Health Clinics: 11%
- Correctional Facilities: 2%
- Hospital/Emergency Room/Urgent Care: 12%
- Private MD/HMO: 25%
- County STD Clinics: 4%
- Other: 4%

Note: 969 cases were missing provider type information.
Gonorrhea
Key Points

Gonorrhea in San Diego County

• Cases of gonorrhea increased by 35% from 3,695 cases in 2015 to 4,992 cases in 2016.
• The rate of gonorrhea in males is more than twice the rate in females.
• Men aged 25 to 29 years have the highest rate of infection at 548 cases per 100,000.
• The rate of gonorrhea in African American/black males is 4.1 times that of white males; the rate of infection in African American/black females is 5.8 times that of white females.
Gonorrhea Cases and Rates by Year
San Diego County, 1997 - 2016
Gonorrhea Rates by Gender and Year
San Diego County, 1997 - 2016

Rate per 100,000 Population

Year


Males

Females

212.0

90.2
Rectal or Pharyngeal Gonorrhea Infections in Males
San Diego County, 1997 - 2016

Number of Male Cases

Year

18    38    41    50    98    143   120   160   142   202   393   373   427   558   645   715   762   786   931   1096
Gonorrhea Cases by Gender and Age
San Diego County, 2016

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;10</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>10-14</td>
<td>14</td>
<td>4</td>
</tr>
<tr>
<td>15-19</td>
<td>209</td>
<td>179</td>
</tr>
<tr>
<td>20-24</td>
<td>455</td>
<td>738</td>
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<tr>
<td>25-29</td>
<td>324</td>
<td>808</td>
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<tr>
<td>30-34</td>
<td>179</td>
<td>561</td>
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<tr>
<td>35-44</td>
<td>209</td>
<td>631</td>
</tr>
<tr>
<td>45+</td>
<td>80</td>
<td>576</td>
</tr>
</tbody>
</table>

Note: 12 cases were missing gender information, and 9 were missing age information.
Gonorrhea Rates by Gender and Age
San Diego County, 2016

Note: Rates exclude 21 cases missing gender or age information.
Gonorrhea Cases by Gender and Race/Ethnicity
San Diego County, 2016

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>Native American/Alaskan</td>
<td>0</td>
<td>9</td>
</tr>
<tr>
<td>Asian/Pacific Islander</td>
<td>19</td>
<td>83</td>
</tr>
<tr>
<td>Black</td>
<td>144</td>
<td>373</td>
</tr>
<tr>
<td>Hispanic</td>
<td>289</td>
<td>627</td>
</tr>
<tr>
<td>White</td>
<td>257</td>
<td>830</td>
</tr>
<tr>
<td>Other/Mixed Race</td>
<td>63</td>
<td>258</td>
</tr>
</tbody>
</table>
Gonorrhea Rates by Gender and Race/Ethnicity
San Diego County, 2016

Note: 40.9% of cases are missing race/ethnicity and are not included in the rates above.
Gonorrhea Cases by Reporting Facility Type
San Diego County, 2016

- Planned Parenthood: 19%
- Private MD/HMO: 24%
- Hospital/Emergency Room/Urgent Care: 12%
- County STD Clinics: 17%
- Correctional Facilities: 3%
- Community Health Clinics: 10%
- Military: 7%
- Student Health: 1%
- Other: 7%
Syphilis
Key Points

Syphilis in San Diego County

• Cases of primary and secondary syphilis increased by 6.7% from 490 cases in 2015 to 523 cases in 2016.

• The majority of cases are male; 82.6% are men who have sex with men (MSM).

• Rates are highest among males aged 30 to 34 years.

• African American/black males have the highest rate of infection; the rate of infection in African American/black males is 2.2 times that of white males.

• An estimated 44% of MSM primary and secondary syphilis cases are co-infected with HIV.
Case Count by Stage of Syphilis
San Diego County, 2016

- **Primary Syphilis**: 175 cases
- **Secondary Syphilis**: 348 cases
- **Early Latent**: 458 cases
- **Late Latent**: 400 cases
Female and Congenital* Syphilis Cases
San Diego County, 2016

*Note: In public health, congenital syphilis is defined as an infant born to a mother with inadequate or no treatment for syphilis infection. A confirmed congenital syphilis case is an infant with positive laboratory identification of T. pallidum by darkfield microscopy, or in neonatal or placental tissue specimens.
Primary & Secondary Syphilis Cases by Year
San Diego County, 1988 - 2016

Note: The green area represents the proportion of cases who are not men who have sex with men. The number above the columns represents the total number of primary and secondary syphilis cases per year.
Primary & Secondary Syphilis Cases and Rates by Year
San Diego County, 1988 - 2016

Number of Cases

Rate per 100,000 Population

Year
Primary & Secondary Syphilis Rates by Gender and Year
San Diego County, 1997 - 2016

Between 2015 and 2016, the female primary and secondary syphilis rate increased by 33%, and the number of cases increased by 27%.

* Source: County of San Diego Health and Human Services Agency
Primary & Secondary Syphilis Cases by Gender and Age
San Diego County, 2016

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;10</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>10-14</td>
<td>0</td>
<td>0</td>
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<tr>
<td>15-19</td>
<td>2</td>
<td>19</td>
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<td>20-24</td>
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<td>30-34</td>
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<td>35-44</td>
<td>125</td>
<td>2</td>
</tr>
<tr>
<td>45+</td>
<td>119</td>
<td>1</td>
</tr>
</tbody>
</table>
Primary & Secondary Syphilis Rates by Gender and Age
San Diego County, 2016

Rate per 100,000 Population

Age Group

Female
Male
Primary & Secondary Syphilis Cases by Gender and Race/Ethnicity
San Diego County, 2016

Note: Counts exclude 28 cases missing race/ethnicity information.
Primary & Secondary Syphilis Rates by Gender and Race/Ethnicity
San Diego County, 2016

Note: Rates exclude 28 cases missing race/ethnicity information.
MSM* Primary & Secondary Syphilis Cases Co-Infected with HIV by Year
San Diego County, 2007 - 2016

Percent with HIV Co-Infection

Year


*MSM: Men Who Have Sex With Men
Meeting Venues Among Interviewed MSM*
Primary & Secondary Syphilis Cases
San Diego County, 2007 - 2016

Note: Reported use of venues is not mutually exclusive.
*MSM: Men Who Have Sex With Men.
Reported Use of Internet-Based Services* Among MSM** Primary & Secondary Syphilis Cases San Diego County, 2015 - 2016

Note: Reported use of sites is not mutually exclusive.
* Included websites have been used by at least 2 MSM cases per year in 2015 or 2016.
**MSM: Men Who Have Sex with Men
Reported Substance Use of Interviewed MSM*
Primary & Secondary Syphilis Cases By Year
San Diego County, 2007 - 2016

Percent of Interviewed MSM Cases

Year


Methamphetamine
Alkyl Nitrites (Poppers)
Cocaine
MDMA (Ecstasy)
Impotence Drugs

Note: Reported substances are not mutually exclusive.
*MSM: Men Who Have Sex With Men.
Primary & Secondary Syphilis Cases by Reporting Facility Type
San Diego County, 2016

- Private MD/HMO: 27%
- County STD Clinics: 38%
- HIV Care/EIP Facility: 13%
- Planned Parenthood: 3%
- Military: 4%
- Community Health Clinics: 10%
- Correctional Facilities: 1%
- Hospital/Emergency Room/Urgent Care: 1%
- Other: 2%

*Note: Percentages total 99% due to rounding.
Primary and Secondary Syphilis Rates by Zip Code
San Diego County, 2016

Legend
- HHSA Regions
- Case Count < 5

Rate per 100,000 Population
- 0 cases reported (n=41)
- 0.1 - 5.8 (n=18)
- 5.9 - 10.5 (n=18)
- 10.6 - 21.0 (n=18)
- ≥ 21.1 (n=18)

Source: County of San Diego, Health and Human Services Agency, HSHB (HIV, STD, Hepatitis Branch), CalREDIE Database
Map Date: June 10, 2017
Contact: Lawrence Wang
Contact Information

• For questions or requests for data that are not included in these slides, please send an e-mail to std@sdcounty.ca.gov, or visit www.STDSanDiego.org (click on “Reports and Statistics”).

On May 17, 2016, the County of San Diego Health and Human Services Agency Division of Public Health Services received accreditation from the Public Health Accreditation Board.