SEXUALLY TRANSMITTED DISEASES IN SAN DIEGO COUNTY
2015 DATA SLIDES

County of San Diego
Health and Human Services Agency
Public Health Services
HIV, STD, and Hepatitis Branch

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www.STDSanDiego.org
Preface
This publication, *Sexually Transmitted Diseases in San Diego County, 2015 Data Slides*, includes reported disease data collected through 2015 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 – 2015

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

Chlamydia in San Diego County

- Chlamydia is the most commonly reported disease in San Diego County and in California.
- Cases of chlamydia increased 11.5% from 15,626 cases in 2014 to 17,418 cases in 2015.
- The rate of chlamydia in women is 1.8 times the rate in men.
- Young women, aged 15 to 24 years, have the highest rates of infection.
Chlamydia Cases and Rates by Year
San Diego County, 1996 - 2015
Chlamydia Rates by Gender and Year
San Diego County, 1996 - 2015

Rate per 100,000 Population

Year


Females
Males

693.3
384.2
Rectal or Pharyngeal Chlamydia Infections in Males
San Diego County, 2006 - 2015

Number of Cases

Year


63 295 345 365 424 522 601 630 589 688
Chlamydia Cases by Gender and Age
San Diego County, 2015

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;10</td>
<td>8</td>
<td>7</td>
</tr>
<tr>
<td>10-14</td>
<td>58</td>
<td>6</td>
</tr>
<tr>
<td>15-19</td>
<td>2303</td>
<td>501</td>
</tr>
<tr>
<td>20-24</td>
<td>4789</td>
<td>2080</td>
</tr>
<tr>
<td>25-29</td>
<td>2170</td>
<td>1444</td>
</tr>
<tr>
<td>30-34</td>
<td>894</td>
<td>818</td>
</tr>
<tr>
<td>35-44</td>
<td>675</td>
<td>723</td>
</tr>
<tr>
<td>45+</td>
<td>237</td>
<td>591</td>
</tr>
</tbody>
</table>

Note: Excludes 34 cases missing gender information and 80 cases missing age information.
Chlamydia Rates by Gender and Age
San Diego County, 2015

Note: Rates exclude 114 cases missing gender or age information
Chlamydia Cases by Reporting Facility Type
San Diego County, 2015

- Planned Parenthood: 35%
- Private MD/HMO: 24%
- Hospital/Emergency Room/Urgent Care: 6%
- Correctional Facilities: 1%
- Community Health Clinics: 12%
- Student Health: 1%
- Military: 12%
- County STD Clinics: 6%
- Other: 3%
Chlamydia Rates by Zip Code
San Diego County, 2015

Legend
- HHSA Regions
- Case Count < 5
- Population size underestimated

Rate per 100,000 Population
- 0 cases reported (n=9)
- 0.1 - 169.9 (n=26)
- 170 - 274.9 (n=26)
- 275 - 429.9 (n=26)
- ≥ 430 (n=26)

Note: Rate categories are different from the last iteration of this report
Source: County of San Diego, Health and Human Services Agency, HSHB (HIV, STD, Hepatitis Branch), CalREDIE Database
Map Date: June 10, 2016
Contact: Lawrence Wang
Gonorrhea
Key Points

Gonorrhea in San Diego County

- Cases of gonorrhea increased 9% from 3,391 cases in 2014 to 3,695 cases in 2015.
- The rate of gonorrhea in males is more than twice the rate in females.
- Men aged 20 to 29 years have the highest rate of infection.
- The rate of gonorrhea in African American/black males is 4.9 times that of white males; the rate of infection in African American/black females is 7.7 times that of white females.
Gonorrhea Cases and Rates by Year
San Diego County, 1996 - 2015

Number of Cases

Rate per 100,000 Population
Gonorrhea Rates by Gender and Year
San Diego County, 1996 - 2015

- Females: 62.7
- Males: 165.9
Rectal or Pharyngeal Gonorrhea Infections in Males
San Diego County, 1997 - 2015

Number of Male Cases

Year


18 38 41 50 98 143 120 160 142 202 393 373 427 558 645 715 762 786 931
Gonorrhea Cases by Gender and Age
San Diego County, 2015

Note: Excludes 5 cases missing gender information and 16 cases missing age information.
Gonorrhea Rates by Gender and Age
San Diego County, 2015

Note: Rates exclude 21 cases missing gender or age information.
Gonorrhea Cases by Gender and Race/Ethnicity
San Diego County, 2015

Note: 44.7% of cases are missing race/ethnicity data and are not included in counts above.
Gonorrhea Rates by Gender and Race/Ethnicity
San Diego County, 2015

Note: 44.7% of cases are missing race/ethnicity data and are not included in rates above.
Gonorrhea Cases by Reporting Facility Type
San Diego County, 2015

- Planned Parenthood: 22%
- Private MD/HMO: 23%
- Hospital/Emergency Room/Urgent Care: 6%
- Correctional Facilities: 2%
- Community Health Clinics: 9%
- Student Health: 1%
- Military: 7%
- Other: 8%
- County STD Clinics: 22%
- Planned Parenthood: 22%
- Private MD/HMO: 23%
- Hospital/Emergency Room/Urgent Care: 6%
- Correctional Facilities: 2%
- Community Health Clinics: 9%
- Student Health: 1%
- Military: 7%
- Other: 8%
- County STD Clinics: 22%
Gonorrhea Rates by Zip Code
San Diego County, 2015

Legend
- HHSA Regions
- Case Count<5
- Population size underestimated

Rate per 100,000 Population
- 0 cases reported (n=15)
- 0.1 - 39.9 (n=24)
- 40 - 69.9 (n=24)
- 70 - 124.9 (n=26)
- ≥ 125 (n=24)

Note: Rate categories are different from the last iteration of this report
Source: County of San Diego, Health and Human Services Agency, HSHB (HIV, STD, Hepatitis Branch), CalREDIE Database
Map Date: June 10, 2016
Contact: Lawrence Wang
Syphilis
Key Points

Syphilis in San Diego County

- Cases of primary and secondary syphilis increased 33% from 369 cases in 2014 to 490 cases in 2015.
- The majority of cases are male; 87% are men who have sex with men (MSM).
- Rates are highest among males aged 25 to 44 years.
- African Americans/blacks have the highest rate of infection; the rate of infection in African American/black males is 2.5 times that of white males.
- An estimated 48% of MSM primary and secondary syphilis cases are co-infected with HIV.
Case Count by Stage of Syphilis
San Diego County, 2015

<table>
<thead>
<tr>
<th>Stage of Syphilis</th>
<th>Number of Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Syphilis</td>
<td>176</td>
</tr>
<tr>
<td>Secondary Syphilis</td>
<td>314</td>
</tr>
<tr>
<td>Early Latent</td>
<td>339</td>
</tr>
<tr>
<td>Late Latent</td>
<td>346</td>
</tr>
</tbody>
</table>
Female and Congenital Syphilis Cases
San Diego County, 2015

Note: For public health purposes, congenital syphilis is defined as an infant born to a mother with untreated or inadequately treated syphilis at the time of delivery. Only cases of confirmed neonatal or infant infection are reported here.
Primary & Secondary Syphilis Cases by Year
San Diego County, 1988 - 2015

Note: The white-shaded numbers within the blue bars represent the number of cases in men who have sex with men per year. The numbers above the columns represents the total number of primary and secondary syphilis cases per year.
Primary & Secondary Syphilis Rates by Gender and Year
San Diego County, 1997 - 2015

* Between 2014 and 2015 the female primary and secondary syphilis rate decreased by 22% and the number of cases decreased by 21%.
Primary & Secondary Syphilis Rates by Gender and Age
San Diego County, 2015

Rate per 100,000 Population

Age Group

<10 10-14 15-19 20-24 25-29 30-34 35-44 45+

Female Male

0.0 0.0 0.0 0.0 1.8 11.2 1.7 0.0

3.2 43.7 69.4 66.5 1.9 51.4 21.7 0.5

20-24 25-29 30-34 35-44 45+
Primary & Secondary Syphilis Cases by Gender and Race/Ethnicity
San Diego County, 2015

Note: Excludes 15 cases missing race/ethnicity information.
Primary & Secondary Syphilis Rates by Gender and Race/Ethnicity
San Diego County, 2015

Note: Rates exclude 15 cases missing race/ethnicity information.
MSM* Primary & Secondary Syphilis Cases Co-Infected with HIV by Year
San Diego County, 2000 - 2015

*MSM: Men Who Have Sex With Men.
Meeting Venues Among Interviewed MSM*
Primary & Secondary Syphilis Cases
San Diego County, 2001 - 2015

Note: Reported use of venues is not mutually exclusive.
*MSM: Men Who Have Sex With Men.
Reported Use of Internet-Based Services**
Among Primary & Secondary MSM* Syphilis Cases
San Diego County, 2014 – 2015

Note: Reported use of sites is not mutually exclusive.

*MSM: Men who have sex with men.

** Included websites have been used by at least 2 MSM cases per year in 2013 or 2014.
Reported Substance Use of Interviewed MSM*
Primary & Secondary Syphilis Cases by Year
San Diego County, 2004 - 2015

Percent of Interviewed MSM Cases

Year

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

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, 2015

- County STD Clinics: 39%
- Private MD/HMO: 24%
- Community Health Clinics: 13%
- Military: 2%
- Planned Parenthood: 4%
- Student Health: 2%
- Correctional Facilities: <1%
- Hospital/Emergency Room/Urgent Care: 3%
- Other: 12%
- HIV Care/EIP Facility: 12%
- Other: 2%