SEXUALLY TRANSMITTED DISEASES IN SAN DIEGO COUNTY 2018 DATA SLIDES

County of San Diego
Health and Human Services Agency
Division of Public Health Services
HIV, STD, and Hepatitis Branch
Preface
This publication, *Sexually Transmitted Diseases in San Diego County, 2018 Data Slides*, includes reported disease data collected through 2018 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 (STD) 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
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Case Counts and Rates

- These slides include **case counts** and **rates** of reportable STDs.
- Rates take population size into account and indicate the impact of STDs on a group or population.
- In this report, rates are expressed as the number of cases per 100,000 persons in a group or population.
- The following is an example of the difference between cases and rates:

<table>
<thead>
<tr>
<th>Region</th>
<th>Case Count</th>
<th>Population</th>
<th>Rate per 100,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>10,000</td>
<td>200,000</td>
<td>5,000</td>
</tr>
<tr>
<td>B</td>
<td>10,000</td>
<td>100,000</td>
<td>10,000</td>
</tr>
</tbody>
</table>

Despite having the same number of affected individuals (10,000), the rate for Region B is higher than Region A because there are fewer inhabitants. Accounting for the population size allows for a more consistent comparison of the level of disease per person between regions.
STD/HIV Screening Recommendations

United States Preventive Services Task Force

- Chlamydia and gonorrhea screening in sexually active females aged 24 years and younger (Grade B)
- Chlamydia and gonorrhea screening in sexually active females aged 25 years and older with risk factors (Grade B)
- Screening for syphilis in persons who are at increased risk for infection (Grade A)
- Early screening for syphilis in all pregnant women (Grade A)
- Screening for HIV infection of adolescents and adults aged 15 to 65 years, and younger adolescents and older adults at increased risk of infection (Grade A)
- Screening for HIV infection in all pregnant women (Grade A)
- Offering of pre-exposure prophylaxis (PrEP) to persons who are at high risk of HIV acquisition (Grade A)

Source: https://www.uspreventiveservicestaskforce.org
STDs Reported Among San Diego County Residents, 1999 - 2018

- **Chlamydia**
- **Gonorrhea**
- **Primary & Secondary Syphilis**

Note: Scale for syphilis is on the right.

COUNTY OF SAN DIEGO
HEALTH AND HUMAN SERVICES AGENCY
PUBLIC HEALTH SERVICES
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 by 6.2% from 20,801 cases in 2017 to 22,098 cases in 2018.
- The overall rate of chlamydia increased by 5.3% from 628.5 cases per 100,000 in 2017 to 662.1 cases per 100,000 in 2018.
- The rate of chlamydia in women is 1.6 times the rate in men.
- Young women, aged 20 to 24 years, have the highest rate of infection.
Chlamydia Cases and Rates by Year
San Diego County, 1999 - 2018

[Chart showing the number of Chlamydia cases and rates per 100,000 population from 1999 to 2018.]
Chlamydia Rates by Gender and Year
San Diego County, 1999 - 2018

Rate per 100,000 Population

Year

Females Males


814.4 509.8
Rectal or Pharyngeal Chlamydia Infections in Males
San Diego County, 2009 - 2018

Number of Cases

Year

2009 365
2010 424
2011 522
2012 601
2013 630
2014 589
2015 688
2016 804
2017 972
2018 1277

Number of Cases

Chlamydia Cases by Gender and Age
San Diego County, 2018

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;10</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>10-14</td>
<td>57</td>
<td>10</td>
</tr>
<tr>
<td>15-19</td>
<td>2949</td>
<td>769</td>
</tr>
<tr>
<td>20-24</td>
<td>5525</td>
<td>2759</td>
</tr>
<tr>
<td>25-29</td>
<td>2632</td>
<td>2020</td>
</tr>
<tr>
<td>30-34</td>
<td>1168</td>
<td>1152</td>
</tr>
<tr>
<td>35-44</td>
<td>841</td>
<td>1049</td>
</tr>
<tr>
<td>45+</td>
<td>319</td>
<td>783</td>
</tr>
</tbody>
</table>

Note: 30 cases were missing gender information and 29 were missing age information. One case was missing both gender and age information.
Chlamydia Rates by Gender and Age
San Diego County, 2018

Note: Rates exclude 60 cases missing gender or age information.
Rates calculated using 2018 population estimates provided by the Community Health Statistics Unit.
Chlamydia Cases by Reporting Facility Type
San Diego County, 2018

- Private MD/HMO: 35%
- Planned Parenthood: 27%
- Military: 12%
- Community Health Clinics: 19%
- County STD Clinics: 3%
- HIV Care Facilities: 1%
- Correctional Facilities: 2%
- Hospital/Emergency Room/Urgent Care: 1%
- Student Health: <1%
- Other: <1%

Note: 463 cases were missing provider type information.
Gonorrhea
Key Points

Gonorrhea in San Diego County

- Cases of gonorrhea increased by 4.3% from 5,947 cases in 2017 to 6,200 cases in 2018.
- The overall rate of gonorrhea increased by 3.4% from 179.7 cases per 100,000 in 2017 to 185.8 cases per 100,000 in 2018.
- The rate of gonorrhea in males is almost two times the rate in females but has decreased by 6.5% between 2017-2018.
- Men aged 20 to 34 years have the highest rates of infection.
- The rate of gonorrhea in African-American/black males is 4.8 times that of white males and 3.4 times that of Hispanic males; the rate of infection in African-American/black females is 5.6 times that of white females and 4.0 times that of Hispanic females.
Gonorrhea Rates by Gender and Year
San Diego County, 1999 - 2018
Rectal or Pharyngeal Gonorrhea Infections in Males
San Diego County, 1999 - 2018

Number of Cases

Year


41 50 98 143 120 160 142 202 393 373 427 558 645 715 762 786 931 1096 1583 1232

0 200 400 600 800 1000 1200 1400 1600 1800

Number of Cases
Gonorrhea Cases by Gender and Age
San Diego County, 2018

Note: 14 cases were missing gender information and one case was missing age information.
## Gonorrhea Rates by Gender and Age
San Diego County, 2018

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Females</th>
<th>Males</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;10</td>
<td>1.4</td>
<td>0.0</td>
</tr>
<tr>
<td>10-14</td>
<td>6.6</td>
<td>0.0</td>
</tr>
<tr>
<td>15-19</td>
<td>292.7</td>
<td>157.5</td>
</tr>
<tr>
<td>20-24</td>
<td>567.3</td>
<td>577.3</td>
</tr>
<tr>
<td>25-29</td>
<td>433.4</td>
<td>865.8</td>
</tr>
<tr>
<td>30-34</td>
<td>224.4</td>
<td>592.6</td>
</tr>
<tr>
<td>35-44</td>
<td>123.4</td>
<td>333.5</td>
</tr>
<tr>
<td>45+</td>
<td>20.7</td>
<td>105.4</td>
</tr>
</tbody>
</table>

Note: Rates exclude 15 cases missing gender or age information.
Rates calculated using 2018 population estimates provided by the Community Health Statistics Unit.
Gonorrhea Cases by Gender and Race/Ethnicity
San Diego County, 2018

Note: 41.7% of cases are missing race/ethnicity or gender information and are not included in counts above.
Gonorrhea Rates by Gender and Race/Ethnicity
San Diego County, 2018

Note: 41.7% of cases are missing race/ethnicity or gender information and are not included in rates above.
Rates calculated using 2018 population estimates provided by the Community Health Statistics Unit.
Gonorrhea Cases by Reporting Facility Type
San Diego County, 2018

Private MD/HMO: 35%
Planned Parenthood: 23%
County STD Clinics: 9%
Community Health Clinics: 14%
HIV Care Facilities: 7%
Military: 6%
Correctional Facilities: 3%
Hospital/Emergency Room/Urgent Care: 2%
Student Health: 1%
Other: <1%

Note: 215 cases were missing provider type information.
Gonorrhea Rates by Zip Code
San Diego County, 2018

Source: County of San Diego, Health and Human Services Agency, HSHB (MM, STD, Hepatitis Branch), CalREDIE Database
Map Date: August 32, 2019
Syphilis Stages and Significance

- **Primary**: painless ulcer(s) at site of initial contact with bacteria (*Treponema pallidum*)
- **Secondary**: widespread infection with variable presentation; typical findings include, but are not limited to, rash (may involve palms and soles), condylomata lata (wart-like lesions), mucous patches, and/or patchy alopecia.
- **Early latent**: no signs or symptoms of active infection; infection can be proven to have occurred <1 year ago.
- **Late latent**: no signs or symptoms of active infection; infection occurred ≥1 year ago, or duration is unknown.
- Sexual transmission between adults is only possible during early syphilis (i.e., primary, secondary, & early latent stages).
- Transmission from mother to child can occur during any stage of infection.
Case Count by Stage of Syphilis
San Diego County, 2018

<table>
<thead>
<tr>
<th>Stage of Syphilis</th>
<th>Number of Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary</td>
<td>168</td>
</tr>
<tr>
<td>Secondary</td>
<td>378</td>
</tr>
<tr>
<td>Early Latent</td>
<td>533</td>
</tr>
<tr>
<td>Late</td>
<td>685</td>
</tr>
<tr>
<td>Latent/Unknown Duration</td>
<td>1764</td>
</tr>
</tbody>
</table>

Total Syphilis
Case Count by Stage of Syphilis
San Diego County, 2014 - 2018

Stage of Syphilis

2014 2015 2016 2017 2018

Primary
Secondary
Early Latent
Late Latent/Unknown Duration
Total Syphilis

Number of Cases

0 200 400 600 800 1000 1200 1400 1600 1800 2000

Primary
Secondary
Early Latent
Late Latent/Unknown Duration
Total Syphilis
Syphilis (All Stages)
Cases and Rates by Year
San Diego County, 1999 - 2018
Syphilis (All Stages)
Rates by Gender and Year
San Diego County, 2010 - 2018

* Between 2017 and 2018 the female syphilis rate increased by 20% and the number of cases increased by 21.5%.
Syphilis (All Stages) Cases by Gender and Age 
San Diego County, 2018

Syphilis (All Stages) Cases by Gender and Age
San Diego County, 2018

Number of Cases
Age Group
Female Male

<10 0 0
10-14 0 0
15-19 13 39
20-24 32 213
25-29 41 303
30-34 35 248
35-44 50 312
45+ 38 440
Syphilis (All Stages)
Rates by Gender and Age
San Diego County, 2018

Rates calculated using 2018 population estimates provided by the Community Health Statistics Unit.
### Syphilis (All Stages)
#### Cases by Gender and Race/Ethnicity
#### San Diego County, 2018

**Note:** Counts exclude 99 cases missing race/ethnicity information

- **Native American/Alaskan Native**
  - Female: 1
  - Male: 4
- **Asian/Pacific Islander**
  - Female: 7
  - Male: 90
- **Black**
  - Female: 21
  - Male: 145
- **Hispanic**
  - Female: 100
  - Male: 641
- **White**
  - Female: 60
  - Male: 533
- **Other/Mixed Race**
  - Female: 9
  - Male: 54

**Race/Ethnicity**

**Number of Cases**

```
1  4
0 21
0  60
9  54
7  90
21 145
100 641
0  60
9  54
1  4
```
Syphilis (All Stages)
Rates by Gender and Race/Ethnicity
San Diego County, 2018

Note: Rates exclude 99 cases missing race/ethnicity information and 63 cases with other/mixed race designations. Rates calculated using 2018 population estimates provided by the Community Health Statistics Unit.
Primary & Secondary Syphilis
Key Points

Primary & Secondary Syphilis in San Diego County

- Cases of primary and secondary syphilis decreased by 6% from 581 cases in 2017 to 546 cases in 2018.
- The overall rate of primary and secondary syphilis decreased by 6.8% from 17.6 cases per 100,000 in 2017 to 16.4 cases per 100,000 in 2018.
- The majority of primary and secondary syphilis cases (73.8%) are men who have sex with men (MSM).
- Rates are highest among males aged 25 to 34 years.
- African-American/black males have the highest rate of infection; the rate of infection in African-American/black males is 3.3 times that of white males.
- An estimated 39% of MSM primary and secondary syphilis cases are co-infected with HIV.
## Primary & Secondary Syphilis Cases and Rates by Year

**San Diego County, 1988 - 2018**

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Cases</th>
<th>Rate per 100,000 Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>1988</td>
<td>424</td>
<td>17.8</td>
</tr>
<tr>
<td>1989</td>
<td>310</td>
<td>12.5</td>
</tr>
<tr>
<td>1990</td>
<td>323</td>
<td>12.9</td>
</tr>
<tr>
<td>1991</td>
<td>284</td>
<td>11.1</td>
</tr>
<tr>
<td>1992</td>
<td>112</td>
<td>4.3</td>
</tr>
<tr>
<td>1993</td>
<td>106</td>
<td>4.1</td>
</tr>
<tr>
<td>1994</td>
<td>98</td>
<td>3.8</td>
</tr>
<tr>
<td>1995</td>
<td>52</td>
<td>2.0</td>
</tr>
<tr>
<td>1996</td>
<td>35</td>
<td>1.3</td>
</tr>
<tr>
<td>1997</td>
<td>137</td>
<td>3.7</td>
</tr>
<tr>
<td>1998</td>
<td>234</td>
<td>6.3</td>
</tr>
<tr>
<td>1999</td>
<td>193</td>
<td>7.6</td>
</tr>
<tr>
<td>2000</td>
<td>109</td>
<td>4.6</td>
</tr>
<tr>
<td>2001</td>
<td>137</td>
<td>7.6</td>
</tr>
<tr>
<td>2002</td>
<td>234</td>
<td>8.9</td>
</tr>
<tr>
<td>2003</td>
<td>193</td>
<td>11.0</td>
</tr>
<tr>
<td>2004</td>
<td>346</td>
<td>10.6</td>
</tr>
<tr>
<td>2005</td>
<td>346</td>
<td>11.2</td>
</tr>
<tr>
<td>2006</td>
<td>267</td>
<td>8.6</td>
</tr>
<tr>
<td>2007</td>
<td>229</td>
<td>9.3</td>
</tr>
<tr>
<td>2008</td>
<td>333</td>
<td>10.6</td>
</tr>
<tr>
<td>2009</td>
<td>347</td>
<td>11.9</td>
</tr>
<tr>
<td>2010</td>
<td>369</td>
<td>12.1</td>
</tr>
<tr>
<td>2011</td>
<td>490</td>
<td>15.0</td>
</tr>
<tr>
<td>2012</td>
<td>523</td>
<td>15.9</td>
</tr>
<tr>
<td>2013</td>
<td>646</td>
<td>16.4</td>
</tr>
<tr>
<td>2014</td>
<td>581</td>
<td>17.6</td>
</tr>
</tbody>
</table>

The graph shows the trend over the years from 1988 to 2018, indicating a general increase in both the number of cases and the rate per 100,000 population.
Primary & Secondary Syphilis Rates by Gender and Year
San Diego County, 1999 - 2018

* Between 2017 and 2018 primary and secondary syphilis rates increased by 11.8% in females and decreased by 8.9% in males.
Primary & Secondary Syphilis Cases by Gender and Age
San Diego County, 2018

<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>
</tr>
<tr>
<td>15-19</td>
<td>1</td>
<td>16</td>
</tr>
<tr>
<td>20-24</td>
<td>6</td>
<td>79</td>
</tr>
<tr>
<td>25-29</td>
<td>6</td>
<td>106</td>
</tr>
<tr>
<td>30-34</td>
<td>4</td>
<td>80</td>
</tr>
<tr>
<td>35-44</td>
<td>11</td>
<td>101</td>
</tr>
<tr>
<td>45+</td>
<td>4</td>
<td>132</td>
</tr>
</tbody>
</table>
Primary & Secondary Syphilis Rates by Gender and Age
San Diego County, 2018

Rates calculated using 2018 population estimates provided by the Community Health Statistics Unit.
Primary & Secondary Syphilis Cases by Gender and Race/Ethnicity
San Diego County, 2018

Note: Counts exclude 16 cases missing race/ethnicity information
Primary & Secondary Syphilis Rates by Gender and Race/Ethnicity
San Diego County, 2018

Note: Rates exclude 16 cases missing race/ethnicity information and 19 cases with other/mixed race designations.
Rates calculated using 2018 population estimates provided by the Community Health Statistics Unit.
Percent of MSM* Primary & Secondary Syphilis Cases Co-Infected with HIV by Year
San Diego County, 2009 - 2018

*MSM: Men Who Have Sex With Men
Meeting Venues Among Interviewed MSM*
Primary & Secondary Syphilis Cases
San Diego County, 2009 - 2018

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, 2017 – 2018

Note: Reported use of sites is not mutually exclusive.
* Included websites have been used by at least 2 MSM cases per year in 2017 or 2018.
**MSM: Men Who Have Sex With Men
Reported Substance Use of Interviewed MSM*
Primary & Secondary Syphilis Cases by Year
San Diego County, 2009 - 2018

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, 2018

- Private MD/HMO: 38%
- County STD Clinics: 28%
- Community Health Clinics: 13%
- HIV Care Facilities: 7%
- Planned Parenthood: 5%
- Military: 3%
- Hospital/Emergency Room/Urgent Care: 3%
- Student Health: 1%
- Correctional Facilities: 2%
- Other: 1%
- Private MD/HMO: 38%
- County STD Clinics: 28%
Early (Primary, Secondary, & Early Latent) Syphilis
Key Points

Early Syphilis in San Diego County

- Cases of early syphilis decreased by 4.5% from 1130 cases in 2017 to 1079 cases in 2018.
- The overall rate of early syphilis decreased by 5.3% from 34.1 cases per 100,000 in 2017 to 32.3 cases per 100,000 in 2018.
- The majority of early syphilis cases (82.5%) are men who have sex with men (MSM).
- Rates are highest among males aged 25 to 34 years.
- African-American/black males 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 54.2% of MSM early syphilis cases are co-infected with HIV.
Early Syphilis Cases by Year
San Diego County, 1999 - 2018

Number of Cases

Year
Men who have sex with men  Other


12 13 14 39 127 161 204 284 401 398 314 383 358 468 477 527 723 841 966 890

981 1079


0 100 200 300 400 500 600 700 800 900 1000 1100 1200


0 100 200 300 400 500 600 700 800 900 1000 1100 1200


0 100 200 300 400 500 600 700 800 900 1000 1100 1200
Early Syphilis Cases and Rates by Year
San Diego County, 1999 - 2018

- **Cases**
- **Rate per 100,000 population**

<table>
<thead>
<tr>
<th>Year</th>
<th>Cases</th>
<th>Rate per 100,000 population</th>
</tr>
</thead>
<tbody>
<tr>
<td>1999</td>
<td>48</td>
<td>0.9</td>
</tr>
<tr>
<td>2000</td>
<td>38</td>
<td>1.0</td>
</tr>
<tr>
<td>2001</td>
<td>46</td>
<td>0.9</td>
</tr>
<tr>
<td>2002</td>
<td>72</td>
<td>1.3</td>
</tr>
<tr>
<td>2003</td>
<td>152</td>
<td>3.7</td>
</tr>
<tr>
<td>2004</td>
<td>220</td>
<td>4.6</td>
</tr>
<tr>
<td>2005</td>
<td>314</td>
<td>6.3</td>
</tr>
<tr>
<td>2006</td>
<td>364</td>
<td>7.6</td>
</tr>
<tr>
<td>2007</td>
<td>515</td>
<td>11.2</td>
</tr>
<tr>
<td>2008</td>
<td>519</td>
<td>11.0</td>
</tr>
<tr>
<td>2009</td>
<td>399</td>
<td>8.6</td>
</tr>
<tr>
<td>2010</td>
<td>456</td>
<td>14.7</td>
</tr>
<tr>
<td>2011</td>
<td>454</td>
<td>14.5</td>
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<tr>
<td>2012</td>
<td>578</td>
<td>18.3</td>
</tr>
<tr>
<td>2013</td>
<td>576</td>
<td>18.0</td>
</tr>
<tr>
<td>2014</td>
<td>668</td>
<td>20.7</td>
</tr>
<tr>
<td>2015</td>
<td>829</td>
<td>25.4</td>
</tr>
<tr>
<td>2016</td>
<td>981</td>
<td>34.1</td>
</tr>
<tr>
<td>2017</td>
<td>1130</td>
<td>32.3</td>
</tr>
<tr>
<td>2018</td>
<td>1079</td>
<td>35.0</td>
</tr>
</tbody>
</table>
* Between 2017 and 2018 the female early syphilis rate increased by 24% and the number of cases increased by 25%.
Early Syphilis Cases by Gender and Age
San Diego County, 2018

Number of Cases
Age Group
Female Male
<10 0 0
10-14 0 0
15-19 3 21
20-24 9 14
25-29 125 185
30-34 10 160
35-44 14 209
45+ 10 319

Age Group
Number of Cases
Early Syphilis Rates by Gender and Age
San Diego County, 2018

Rates calculated using 2018 population estimates provided by the Community Health Statistics Unit.
Early Syphilis Cases by Gender and Race/Ethnicity
San Diego County, 2018

Note: Counts exclude 41 cases missing race/ethnicity information
Early Syphilis Rates by Gender and Race/Ethnicity
San Diego County, 2018

Note: Rates exclude 41 cases missing race/ethnicity information and 37 cases with other/mixed race designations.
Rates calculated using 2018 population estimates provided by the Community Health Statistics Unit.
Percent of MSM* Early Syphilis Cases Co-Infected with HIV by Year
San Diego County, 2009 - 2018

*MSM: Men Who Have Sex With Men
Early Syphilis Cases by Reporting Facility Type
San Diego County, 2018

- Private MD/HMO: 39%
- County STD Clinics: 21%
- Community Health Clinics: 17%
- HIV Care Facilities: 12%
- Planned Parenthood: 3%
- Military: 3%
- Hospital/Emergency Room/Urgent Care: 3%
- Correctional Facilities: 2%
- Student Health: <1%
- Other: 1%
- Private MD/HMO: 39%
- County STD Clinics: 21%
Female & Congenital Syphilis
Key Points

Female & Congenital Syphilis in San Diego County

• Cases and rates of syphilis of any stage and early (i.e., primary, secondary, and early latent) syphilis in females aged 15-49 years (i.e. women of childbearing potential) have been increasing overall from 2014-2018.
  • Cases of total syphilis (all stages) increased by 28% from 146 cases in 2017 to 187 cases in 2018, and the rate increased by 35% from 18.3 cases per 100,000 in 2017 to 24.7 cases per 100,000 in 2018.
  • Cases of early syphilis increased by 22% from 45 cases in 2017 to 55 cases in 2018. The rate of early syphilis in women of childbearing age in 2018 was 1.3 times higher than it was in 2017, although the increase was not statistically significant.
  • Congenital syphilis rates have generally increased from 2014 through 2018, with the largest increase by 40.5% between 2017-2018, though none of the increases in rates were statistically significant.
  • There were 5 stillbirths reported in this time period: 2 in 2014, 1 in 2015, 1 in 2017, and 1 in 2018.
Congenital Syphilis Surveillance Definitions

- **Congenital Syphilis (C.S.):** any infant whose mother had untreated or inadequately treated* syphilis at the time of delivery, regardless of findings in the infant or child.
- **Confirmed C.S.:** Infant or child in whom *Treponema pallidum* is identified by darkfield microscopy, direct fluorescent antibody, or other specific stains in specimens from lesions, placenta, umbilical cord, or autopsy material.
- **Probable C.S.:** Meets case definition of C.S. This may also include an infant or child with a reactive treponemal test for syphilis and evidence of C.S. on physical examination, cerebrospinal fluid analysis, and/or long bone X-ray.
- **Syphilitic Stillbirth:** Fetal death in which mother had untreated or inadequately treated* syphilis at the time of delivery of either a fetus after a 20-week gestation or a fetus weighing >500 grams.

*Inadequate maternal treatment refers to incomplete treatment, treatment that is not in accordance with national guidelines, and/or treatment that was not initiated at least 30 days prior to delivery.
Cases of Syphilis in Women of Childbearing Age and Congenital Syphilis San Diego County, 2018

<table>
<thead>
<tr>
<th>Case Type</th>
<th>Women 15-49 y/o</th>
<th>Congenital Syphilis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Syphilis</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>Secondary Syphilis</td>
<td>24</td>
<td>15</td>
</tr>
<tr>
<td>Early Latent Syphilis</td>
<td>26</td>
<td>1</td>
</tr>
<tr>
<td>Confirmed Cases</td>
<td>0</td>
<td>15</td>
</tr>
<tr>
<td>Probable Cases</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Stillbirths</td>
<td>0</td>
<td>1</td>
</tr>
</tbody>
</table>

Note: Syphilitic stillbirth is included in the probable case count.
Cases – Early Syphilis in Women of Childbearing Age (15-49 y/o) & Pregnant Women, Congenital Syphilis, & Stillbirths
San Diego County, 2014 - 2018

Note: Early syphilis includes primary, secondary, and early latent stages of syphilis. Syphilitic stillbirths are included in the congenital syphilis case counts.
Rates – Early Syphilis in Women of Childbearing Age (15-49 y/o) & Pregnant Women, Congenital Syphilis, & Stillbirths
San Diego County, 2014 - 2018

Note: Early syphilis includes primary, secondary, and early latent stages of syphilis.
*Rates for women 15-49 y/o and pregnant women were defined based on population estimates of women 15-49 years of age.
Rates for congenital syphilis and stillbirths were defined based on the number of births.
Cases - Syphilis (All Stages) in Women of Childbearing Age (15-49 y/o) & Pregnant Women, Congenital Syphilis, & Stillbirths
San Diego County, 2014 - 2018

Note: Syphilis includes all stages of syphilis.
Syphilitic stillbirths are included in the congenital syphilis case counts.
Rates - Syphilis (All Stages) in Women of Childbearing Age (15-49 y/o) & Pregnant Women, Congenital Syphilis, & Stillbirths
San Diego County, 2014 - 2018

Note: Syphilis includes all stages of syphilis.
*Rates for women 15-49 y/o and pregnant women were defined based on population estimates of women 15-49 years of age. Rates for congenital syphilis and stillbirths were defined based on the number of births.
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”).