



# Sexually Transmitted Diseases Data Summary 2015-2018

Public Health Services, Disease Control & Epidemiology

## Chlamydial Infections

| Orange County                     | 2015   | 2016   | 2017                                     | 2018   |
|-----------------------------------|--------|--------|--|--------|
| Total Cases                       | 11,459 | 12,837 | 13,997                                   | 14,277 |
| Total Rate                        | 362.5  | 403.5  | 437.2                                    | 443.2  |
| United States Rate                | 475.0  | 494.7  | 528.8                                    | NA     |
| California Rate                   | 483.3  | 504.9  | 557.4                                    | NA     |
| Gender                            |        |        |  |        |
| Male                              | 3,845  | 4,548  | 5,021                                    | 5,168  |
| Male Rate                         | 245.3  | 288.2  | 316.0                                    | 323.1  |
| Female                            | 7,588  | 8,255  | 8,935                                    | 9,045  |
| Female Rate                       | 476.2  | 514.9  | 554.1                                    | 557.8  |
| FTM                               | 1      | 3      | 0  | 0      |
| MTF                               | 11     | 12     | 3  | 4      |
| Other/Unknown                     | 14     | 19     | 38                                       | 60     |
| Race/ Ethnicity Rates             |        |        |  |        |
| White                             | 159.9  | 154.2  | Race and Ethnicity<br>Data Not Available |        |
| Black                             | 520.2  | 609.8  |  |        |
| Hispanic                          | 316.3  | 355.1  |  |        |
| Asian                             | 116.1  | 150.3  |  |        |
| Pacific Islander                  | 384.0  | 271.1  |  |        |
| AI/AN*                            | 402.2  | 370.1  |  |        |
| Multiracial                       | 124.8  | 149.1  |  |        |
| Age Group                         |        |        |  |        |
| 0-4 Years                         | 1      | 2      | 3  | 4      |
| 0-4 Years Rate                    | --     | --     | --                                       | --     |
| 5-18 Years                        | 1,294  | 1,345  | 1,391                                    | 1,350  |
| 5-18 Years Rate                   | 219.7  | 229.2  | 237.4                                    | 231.0  |
| 19-25 Years                       | 5,933  | 6,588  | 7,142                                    | 7,083  |
| 19-25 Years Rate                  | 1820.5 | 1988.6 | 2139.2                                   | 2119.8 |
| 26-35 Years                       | 2,947  | 3,407  | 3,814                                    | 4,085  |
| 26-35 Years Rate                  | 729.3  | 855.4  | 970.0                                    | 1046.5 |
| 36-45 Years                       | 853    | 964    | 1,073                                    | 1,152  |
| 36-45 Years Rate                  | 201.8  | 231.7  | 260.3                                    | 279.5  |
| 46-55 Years                       | 319    | 411    | 445                                      | 430    |
| 46-55 Years Rate                  | 69.6   | 89.1   | 96.2                                     | 93.1   |
| 56 Years & over                   | 86     | 97     | 112                                      | 161    |
| 56 Years & over Rate              | 11.2   | 12.2   | 13.6                                     | 18.9   |
| 1 Year Count Change (2017-2018)   |        |        |  |        |
|                                   |        |        | +  | 280    |
| 1 Year Percent Change (2017-2018) |        |        |  |        |
|                                   |        |        | +  | 2.0%   |
| 1 Year Rate Change (2017-2018)    |        |        |  |        |
|                                   |        |        | +  | 6.0    |
| 3 Year Percent Change (2015-2018) |        |        |  |        |
|                                   |        |        | +  | 24.6%  |

## Gonococcal Infections

| Orange County                     | 2015  | 2016  | 2017  | 2018  |
|-----------------------------------|-------|-------|-------|-------|
| Total Cases                       | 2,317 | 3,060 | 3,511 | 3,887 |
| Total Rate                        | 73.3  | 96.2  | 109.7 | 120.7 |
| United States Rate                | 123.0 | 145.0 | 171.9 | NA    |
| California Rate                   | 138.3 | 164.5 | 192.0 | NA    |
| Gender                            |       |       |       |       |
| Male                              | 1,517 | 2,110 | 2,342 | 2,574 |
| Male Rate                         | 96.8  | 133.7 | 147.4 | 160.9 |
| Female                            | 788   | 940   | 1,149 | 1,295 |
| Female Rate                       | 49.4  | 58.6  | 71.3  | 79.9  |
| FTM                               | 1     | 0     | 0     | 0     |
| MTF                               | 7     | 4     | 2     | 5     |
| Other/Unknown                     | 4     | 6     | 18    | 13    |
| Race/ Ethnicity Rates             |       |       |       |       |
| White                             | 46.4  | 53.5  | 53.5  | 49.8  |
| Black                             | 180.3 | 248.4 | 295.6 | 218.3 |
| Hispanic                          | 59.1  | 87.5  | 103.6 | 107.5 |
| Asian                             | 19.6  | 28.2  | 42.1  | 37.1  |
| Pacific Islander                  | 98.7  | 65.1  | 128.4 | --    |
| AI/AN*                            | 92.8  | --    | 1.3   | 249.2 |
| Multiracial                       | 34.7  | 40.4  | 22.3  | 7.7   |
| Age Group                         |       |       |       |       |
| 0-4 Years                         | 0     | 1     | 0     | 1     |
| 0-4 Years Rate                    | --    | --    | --    | --    |
| 5-18 Years                        | 137   | 177   | 196   | 198   |
| 5-18 Years Rate                   | 23.3  | 30.2  | 33.4  | 33.9  |
| 19-25 Years                       | 902   | 1,136 | 1,268 | 1,360 |
| 19-25 Years Rate                  | 276.8 | 342.9 | 379.8 | 407.0 |
| 26-35 Years                       | 801   | 1,054 | 1,216 | 1,460 |
| 26-35 Years Rate                  | 198.2 | 264.6 | 309.3 | 374.0 |
| 36-45 Years                       | 271   | 403   | 495   | 554   |
| 36-45 Years Rate                  | 64.1  | 96.8  | 120.1 | 134.4 |
| 46-55 Years                       | 153   | 225   | 258   | 222   |
| 46-55 Years Rate                  | 33.4  | 48.8  | 55.8  | 48.1  |
| 56 Years & over                   | 52    | 61    | 73    | 89    |
| 56 Years & over Rate              | 6.8   | 7.7   | 8.9   | 10.5  |
| 1 Year Count Change (2017-2018)   |       |       |       |       |
|                                   |       |       | +     | 376   |
| 1 Year Percent Change (2017-2018) |       |       |       |       |
|                                   |       |       | +     | 10.7% |
| 1 Year Rate Change (2017-2018)    |       |       |       |       |
|                                   |       |       | +     | 11.0  |
| 3 Year Percent Change (2015-2018) |       |       |       |       |
|                                   |       |       | +     | 67.8% |

Notes.

Rates are calculated per 100,000 population.

Rates not calculated for counts less than 5.

\* American Indian / Alaskan Native



# Sexually Transmitted Diseases Data Summary 2015-2018

Public Health Services, Disease Control & Epidemiology

| Early Syphilis Infections         |      |      |      |       |
|-----------------------------------|------|------|------|-------|
| Orange County                     | 2015 | 2016 | 2017 | 2018  |
| Total Cases                       | 464  | 548  | 683  | 770   |
| Total Rate                        | 14.7 | 17.2 | 21.3 | 23.9  |
| United States Rate                | 14.9 | 17.5 | 19.8 | NA    |
| California Rate                   | 24.1 | 28.5 | 35.0 | NA    |
| Gender                            |      |      |      |       |
| Male                              | 425  | 512  | 642  | 698   |
| Male Rate                         | 27.1 | 32.4 | 40.4 | 43.6  |
| Female                            | 30   | 28   | 32   | 61    |
| Female Rate                       | 1.9  | 1.7  | 2.0  | 3.8   |
| FTM                               | 0    | 0    | 1    | 1     |
| MTF                               | 9    | 0    | 8    | 10    |
| Other/Unknown                     | 0    | 8    | 0    | 0     |
| Race/ Ethnicity Rates             |      |      |      |       |
| White                             | 9.8  | 12.3 | 16.2 | 16.2  |
| Black                             | 24.9 | 53.4 | 56.7 | 53.5  |
| Hispanic                          | 22.5 | 22.8 | 28.0 | 32.1  |
| Asian                             | 6.1  | 12.1 | 11.0 | 15.3  |
| Pacific Islander                  | --   | --   | --   | --    |
| AI/AN*                            | --   | --   | --   | --    |
| Multiracial                       | --   | 6.3  | 8.7  | 11.1  |
| Age Group                         |      |      |      |       |
| 0-4 Years                         | 0    | 0    | 0    | 0     |
| 0-4 Years Rate                    | --   | --   | --   | --    |
| 5-18 Years                        | 12   | 8    | 5    | 19    |
| 5-18 Years Rate                   | 2.0  | 1.4  | 0.9  | 3.3   |
| 19-25 Years                       | 112  | 134  | 149  | 177   |
| 19-25 Years Rate                  | 34.4 | 40.4 | 44.6 | 53.0  |
| 26-35 Years                       | 141  | 196  | 257  | 265   |
| 26-35 Years Rate                  | 34.9 | 49.2 | 65.4 | 67.9  |
| 36-45 Years                       | 96   | 103  | 132  | 160   |
| 36-45 Years Rate                  | 22.7 | 24.8 | 32.0 | 38.8  |
| 46-55 Years                       | 78   | 79   | 99   | 102   |
| 46-55 Years Rate                  | 17.0 | 17.1 | 21.4 | 22.1  |
| 56 Years & over                   | 25   | 28   | 41   | 47    |
| 56 Years & over Rate              | 3.3  | 3.5  | 5.0  | 5.5   |
| 1 Year Count Change (2017-2018)   |      |      |      |       |
|                                   |      |      | +    | 87    |
| 1 Year Percent Change (2017-2018) |      |      |      |       |
|                                   |      |      | +    | 12.7% |
| 1 Year Rate Change (2017-2018)    |      |      |      |       |
|                                   |      |      | +    | 2.6   |
| 3 Year Percent Change (2015-2018) |      |      |      |       |
|                                   |      |      | +    | 65.9% |

| Syphilis - Congenital Infections  |        |        |        |       |
|-----------------------------------|--------|--------|--------|-------|
| Orange County                     | 2015   | 2016   | 2017   | 2018  |
| Total Cases                       | 4      | 3      | 11     | 14    |
| Total Rate                        | NA     | NA     | 28.8   | NA    |
| United States Rate                | 12.4   | 16.2   | 23.3   | NA    |
| California Rate                   | 30.1   | 43.8   | 58.2   | NA    |
| Live Births                       | 37,621 | 38,121 | 38,176 | NA    |
| Gender                            |        |        |        |       |
| Male                              | 3      | 3      | 6      | 9     |
| Female                            | 1      | 0      | 5      | 5     |
| 1 Year Count Change (2017-2018)   |        |        |        |       |
|                                   |        |        | +      | 3     |
| 1 Year Percent Change (2017-2018) |        |        |        |       |
|                                   |        |        | +      | 27.3% |
| 1 Year Rate Change (2017-2018)    |        |        |        |       |
|                                   |        |        |        | **    |
| 3 Year Percent Change (2015-2018) |        |        |        |       |
|                                   |        |        |        | **    |

Notes.

Rates are calculated per 100,000 population.

Rates are calculated per 100,000 live births for Congenital Syphilis.

Rates not calculated for counts less than 5.

Early Syphilis includes Primary, Secondary & Early Latent Syphilis

\* American Indian / Alaskan Native

\*\* 2018 County Birth Data not available from State of California