

## 2009 Sexually Transmitted Diseases

### Erie County, PA

| Chlamydia     |           | 2008      |            | 2009      |            | 2008    | 2009           | % Rate Change |
|---------------|-----------|-----------|------------|-----------|------------|---------|----------------|---------------|
|               |           | # Cases*  | % of Total | # Cases*  | % of Total | Rate    | Rate           |               |
| Erie County   | Total     | 1,126     |            | 1,089     |            | 403.5   | 389.4          | -3.5          |
|               | Male      | 323       | 28.7       | 340       | 31.2       | 235.6   | 247.7          | 5.1           |
|               | Female    | 803       | 71.3       | 749       | 68.8       | 565.5   | 526.0          | -7.0          |
|               | White     | 478       | 42.5       | 490       | 45.0       | 188.0   | 192.5          | 2.4           |
|               | Black     | 413       | 36.7       | 375       | 34.4       | 2,217.1 | 2,017.2        | -9.0          |
|               | Hispanic  | 56        | 5.0        | 50        | 4.6        | 764.2   | 608.6          | -20.4         |
|               | <15 yrs   | 26        | 2.3        | 18        | 1.7        | 50.1    | 34.8           | -30.5         |
|               | 15-19 yrs | 373       | 33.1       | 426       | 39.1       | 1,701.4 | <b>1,941.5</b> | 14.1          |
|               | 20-24 yrs | 454       | 40.3       | 390       | 35.8       | 2,066.6 | 1,986.5        | -3.9          |
|               | 25-29 yrs | 159       | 14.1       | 160       | 14.7       | 910.9   | 813.1          | -10.7         |
|               | 30-34 yrs | 67        | 6.0        | 52        | 4.8        | 430.0   | <b>323.7</b>   | -24.7         |
|               | 35+ yrs   | 47        | 4.2        | 42        | 3.9        | 31.3    | 27.9           | -10.9         |
| Pennsylvania  | Total     | 42,233    |            | 43,068    |            | 339.3   | 341.7          | 0.7           |
| United States | Total     | 1,210,523 |            | 1,244,180 |            | 401.3   | 409.2          | 2.0           |

| Gonorrhea     |           | 2008     |            | 2009     |            | 2008  | 2009         | % Rate Change |
|---------------|-----------|----------|------------|----------|------------|-------|--------------|---------------|
|               |           | # Cases* | % of Total | # Cases* | % of Total | Rate  | Rate         |               |
| Erie County   | Total     | 323      |            | 229      |            | 115.7 | <b>81.9</b>  | -29.2         |
|               | Male      | 116      | 35.9       | 87       | 38.0       | 84.6  | <b>63.4</b>  | -25.1         |
|               | Female    | 207      | 64.1       | 142      | 62.0       | 145.8 | <b>99.7</b>  | -31.6         |
|               | White     | 95       | 29.4       | 70       | 30.6       | 37.4  | 27.5         | -26.4         |
|               | Black     | 176      | 54.5       | 122      | 53.3       | 944.8 | <b>656.3</b> | -30.5         |
|               | Hispanic  | 14       | 4.3        | 12       | 5.2        | 191.0 | 146.1        | -23.5         |
|               | <15 yrs   | 6        | 1.9        | 3        | 1.3        | 11.6  | 5.8          | -49.8         |
|               | 15-19 yrs | 87       | 26.9       | 74       | 32.3       | 396.8 | 337.3        | -15.0         |
|               | 20-24 yrs | 99       | 30.7       | 78       | 34.1       | 450.7 | 397.3        | -11.8         |
|               | 25-29 yrs | 73       | 22.6       | 25       | 10.9       | 418.2 | <b>127.0</b> | -69.6         |
|               | 30-34 yrs | 26       | 8.0        | 24       | 10.5       | 166.8 | 149.4        | -10.5         |
|               | 35+ yrs   | 32       | 9.9        | 25       | 10.9       | 21.3  | 16.6         | -22.1         |
| Pennsylvania  | Total     | 11,071   |            | 10,138   |            | 88.9  | 80.4         | -9.6          |
| United States | Total     | 336,742  |            | 301,174  |            | 111.6 | 99.1         | -11.3         |

| Syphilis      |                         | 2007     |      | 2008     |      | 2009     |      |
|---------------|-------------------------|----------|------|----------|------|----------|------|
|               |                         | # Cases* | Rate | # Cases* | Rate | # Cases* | Rate |
| Erie County   | All Syphilis            | 7        | 2.5  | 2        | 0.7  | 6        | 2.1  |
|               | Primary                 | 0        | 0    | 0        | 0    | 1        | 0.4  |
|               | Secondary               | 2        | 0.7  | 1        | 0.4  | 0        | 0    |
|               | Primary & Secondary     | 2        | 0.7  | 1        | 0.4  | 1        | 0.4  |
|               | Early Latent            | 5        | 1.8  | 0        | 0    | 0        | 0    |
|               | Late Latent             | 0        | 0    | 1        | 0.4  | 4        | 1.4  |
|               | Congenital (Age <1yr)** | 0        | 0    | 0        | 0    | 0        | 0    |
|               | Unknown/Other           | 0        | 0    | 0        | 0    | 1        | 0.4  |
| Pennsylvania  | All Syphilis            | 1,077    | 8.7  | 1,162    | 9.3  | 1,027    | 8.1  |
|               | Primary                 | 82       | 0.7  | 71       | 0.6  | 84       | 0.7  |
|               | Secondary               | 181      | 1.5  | 201      | 1.6  | 257      | 2.0  |
|               | Primary & Secondary     | 263      | 2.1  | 272      | 2.2  | 341      | 2.7  |
|               | Early Latent            | 309      | 2.5  | 309      | 2.5  | 361      | 2.9  |
|               | Late Latent             | 231      | 1.9  | 287      | 2.3  | 282      | 2.2  |
|               | Congenital (Age <1yr)** | 11       | 7.3  | 9        | 6.0  | 4        | 2.7  |
|               | Unknown/Other           | 19       | 0.2  | 13       | 0.1  | 39       | 0.3  |
| United States | All Syphilis            | 40,920   | 13.7 | 46,277   | 15.3 | 44,828   | 14.7 |
|               | Primary & Secondary     | 11,466   | 3.8  | 13,500   | 4.5  | 13,997   | 4.6  |
|               | Early Latent            | 10,768   | 3.6  | 12,401   | 4.1  | 13,066   | 4.3  |
|               | Late & Late Latent      | 18,256   | 6.1  | 19,945   | 6.6  | 17,338   | 5.6  |
|               | Congenital (Age <1yr)** | 430      | 10.5 | 431      | 10.5 | 429      | 10.1 |

Red indicates significant difference

\*Numbers less than 20 provide statistically unreliable rates

Crude rate equals number of cases per 100,000 population; 95% confidence interval used

\*\*Congenital syphilis rates include all cases of congenitally acquired syphilis per 100,000 live births

Total includes unknown gender, race, and age; Hispanic origin can be of any race; There may be multiple diseases in one person; Some individuals may become infected more than once

U.S. Census Bureau, Intercensal Population Estimates used for Erie County and PA.; U.S. Census Bureau, Vintage Postcensal Series Population Estimates used for U.S.

Previous year population used for Erie County and U.S. calculations; Current year population used for PA calculations; Current year population used for U.S. calculations from 2000-2005

Source of Data: CDC STD Surveillance and Statistics, 2009; Final 2009 Reports of Nationally Notifiable Infectious Diseases; PA DOH EpiQMS; PA NEDSS; Erie County Department of Health