Pertussis Data Profile, Travis County[1,2]

2013 Pertussis Case Counts

Total	257	100.0%
Confirmed	128	49.8%
Probable	129	50.2%

Gender Distribution

Male	128	49.8%
Female	129	50.2%

Median Age	5 Years
Age Range	19 Days - 76 Years

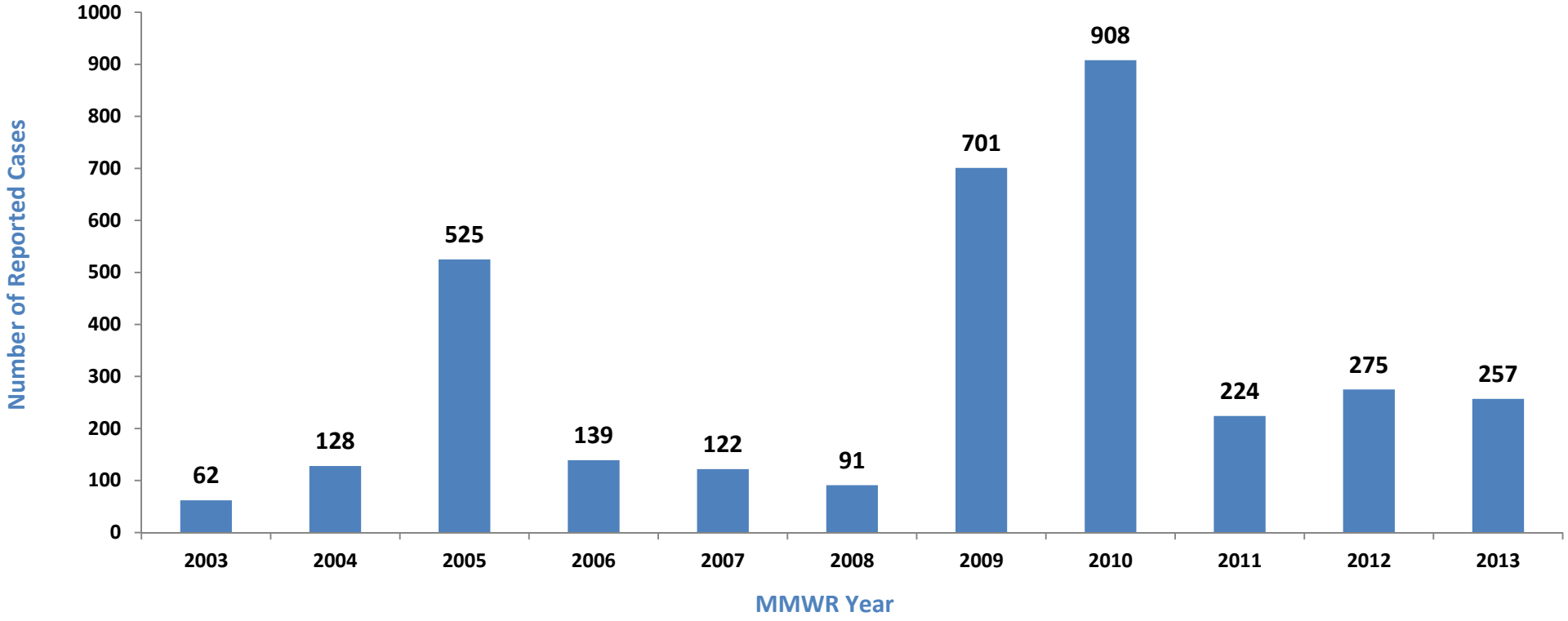
Age Distribution

Under 1 Year	61	23.7%
1-4 Years	61	23.7%
5-9 Years	54	21.0%
10-19 Years	53	20.6%
20-29 Years	8	3.1%
30-39 Years	8	3.1%
40-49 Years	5	1.9%
50-59 Years	4	1.6%
60 Years and Older	3	1.2%

Data presented in this report includes both confirmed and probable cases of Pertussis reported in Travis County. This report includes completed case investigations only. All 2012 and 2013 data are preliminary. The data provided for 2012 was generated on February 13, 2013 and the data provided for 2013 was generated on December 11, 2013.

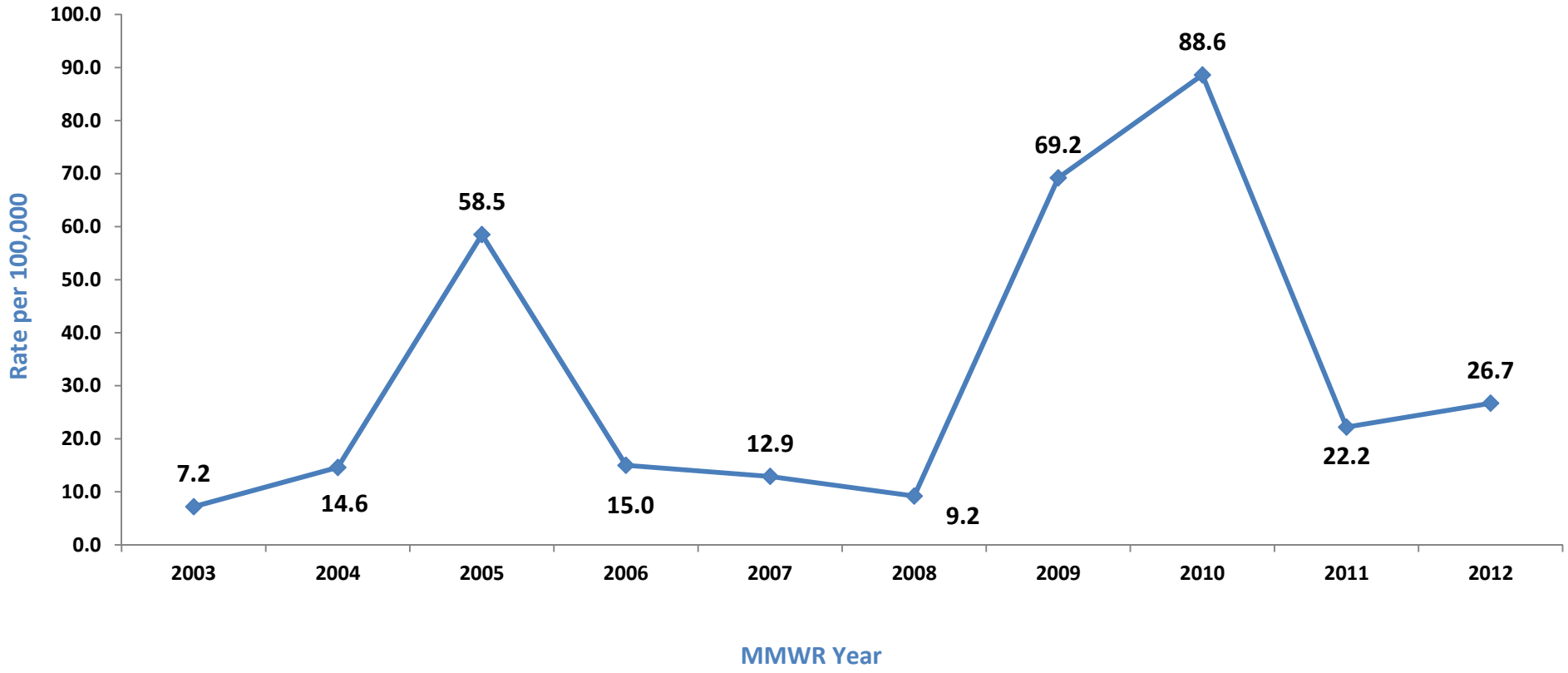
The number of Pertussis cases varies over time in Travis County (Figure 1). In 2009 and 2010, there was a definitive increase in the incidence of Pertussis in Travis County. Some of the increase resulted from advances in laboratory testing, the Pertussis case definition, and the process of case investigations. Since 2010, the Texas Department of State Health Services modified the Pertussis case definition and guidelines specific to case investigation. While there has been a recent overall decline in reported Pertussis cases in Travis County; it continues to be a public health concern. The majority of reported Pertussis cases correlate to the school year (Figure 3). Most reported cases of Pertussis occur in elementary age children and younger (Table 1). Public health is especially concerned with cases of Pertussis in young children, especially those under one year old. Approximately 66% of the cases reported for 2013 are eight years of age or less. The last reported Pertussis death in Travis County was in an infant in 2003.

Figure 1. Travis County Number of Reported Cases of Pertussis by Year 2003 – 2013[1, 2]



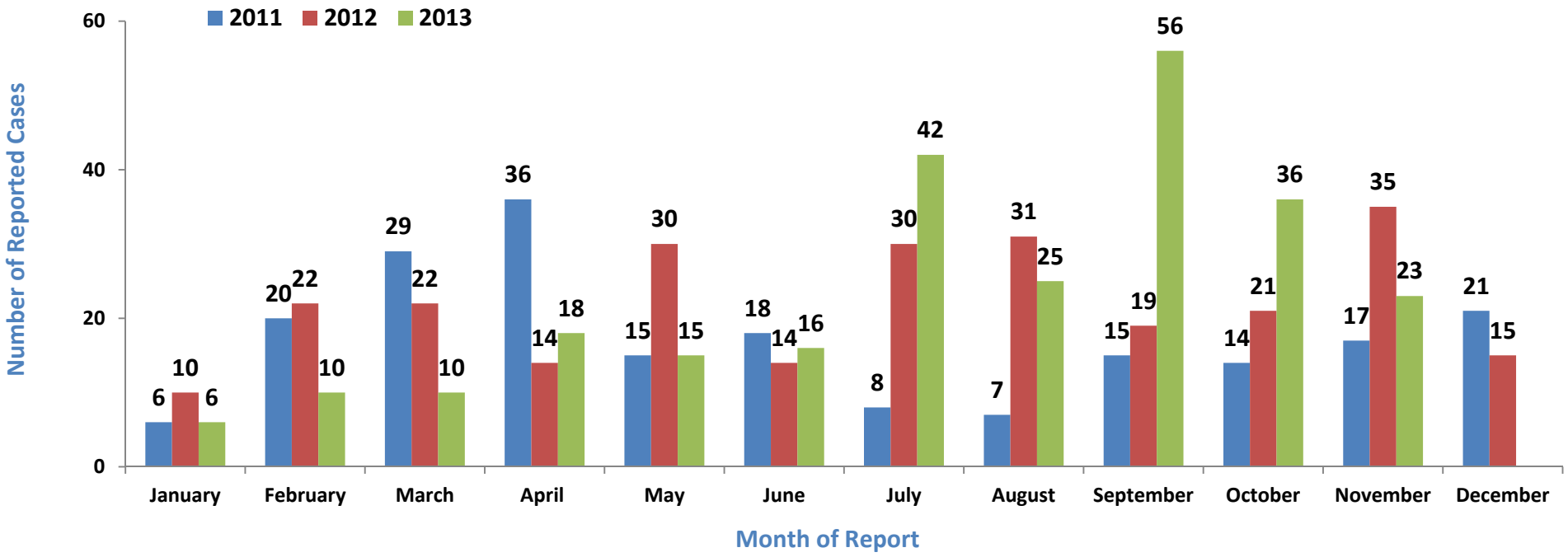
Data Source: Austin/Travis County Health and Human Services Department Epidemiology and Health Statistics Unit – National Electronic Disease Surveillance System (NEDSS)

Figure 2. Travis County Rate of Reported Cases of Pertussis by Year 2003 - 2012[3,4,5]



Data Source: Austin/Travis County Health and Human Services Department Epidemiology and Health Statistics Unit – National Electronic Disease Surveillance System (NEDSS)

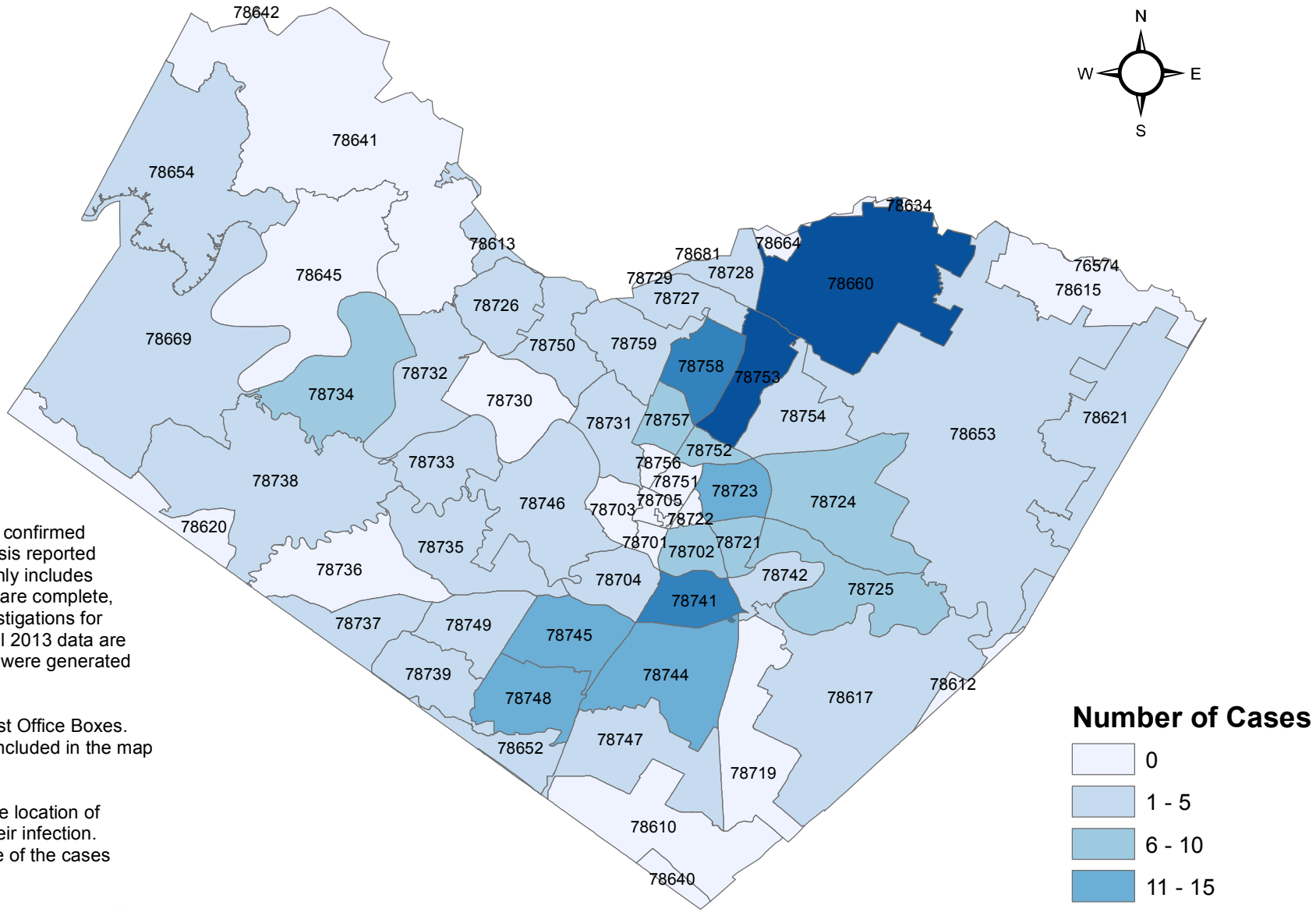
Figure 3. Travis County Number of Reported Cases of Pertussis by Month of Report 2011 - 2013[1, 2, 6]



Data Source: Austin/Travis County Health and Human Services Department Epidemiology and Health Statistics Unit – National Electronic Disease Surveillance System (NEDSS)

Austin/Travis County Health and Human Services Department
Epidemiology and Health Statistics Unit

Map 1. Travis County Reported Cases of Pertussis 2013[1,2]



Data presented includes both confirmed and probable cases of Pertussis reported in Travis County. This map only includes cases in which investigations are complete, any pending reports and investigations for Pertussis are not included. All 2013 data are preliminary. Data in this map were generated on December 11, 2013.

Unable to map cases with Post Office Boxes. Four reported cases are not included in the map above.

This map does NOT reflect the location of where individuals acquired their infection. This is a map of the residence of the cases at the time of report.

This map has been produced by the Austin/Travis County Health and Human Services Department for the sole purpose of geographic reference. No warranty is made by the City of Austin regarding specific accuracy or completeness.

Number of Cases

- 0
- 1 - 5
- 6 - 10
- 11 - 15
- 16 - 20
- 21 and Greater

Table 1. Travis County Reported Cases of Pertussis by Age Group 2011 – 2013[1,2,3,4,5,7]

Age Group	2011		2012		2013	
	Number	Rate	Number	Rate	Number	Rate
Under 1 Year Old	74	506.6	79	543.3	61	-
1 – 4 Years	55	94.4	71	121.9	61	-
5 – 9 Years	46	64.5	48	67.0	54	-
10 – 19 Years	23	19.5	34	28.1	53	-
20 – 29 Years	8	5.0	15	9.4	8	-
30 – 39 Years	11	5.4	12	5.8	8	-
40 – 49 Years	4	2.6	9	5.8	5	-
50 – 59 Years	2	1.7	5	4.2	4	-
60 Years and Older	1	0.9	2	1.7	3	-
Total	224	22.2	275	26.7	257	-

For additional information about Pertussis:
CDC - Pertussis (Whooping Cough)
Texas DSHS Pertussis Update

For additional information about Pertussis vaccination:
http://www.cdc.gov/pertussis/vaccines.html
http://www.austintexas.gov/department/immunizations
http://www.preventpertussis.org/

[1] Data provided for 2012 and 2013 are preliminary data. Data for 2012 was generated on February 13, 2013 and the data provided for 2013 was generated on December 11, 2013. Prior years of data are finalized.
[2] Yearly data provided is based on MMWR year and not on calendar year.
[3] Rate per 100,000 population.

[4] Travis County Population Estimates for 2003-2009 and Travis County Population Projections for 2011-2012 obtained from the Texas Department of State Health Services Center for Health Statistics and the Texas State Data Center, Population Estimates and Projections Program. Travis County Population for 2010 obtained from Census 2010, from the U.S. Census Bureau.

[5] Population Estimates and Population Projections are produced by different methods. If data are to be used in trend analysis, or other comparative treatments, unexpected results may be obtained if data from both estimated and projected series are used.

[6] Data by month of report may not include all cases for that MMWR year. All data are pulled by MMWR year and not calendar year. As a result, there are some instances in which cases are reported with a MMWR year in one year but the actual report was received the following calendar year. Consequently, the annual totals may not equal the exact total number of cases when each month's totals are summed.

[7] When the number of reported cases is less than 20, rates may not be considered reliable. Rate calculations for 2013 will be provided at the completion of the year.