Pertussis Data Profile, Travis County[1,2]

2014 Pertussis Case Counts

Total	202	100.0%
Confirmed	132	65.3%
Probable	70	34.7%

Gender Distribution

Male	102	50.5%
Female	100	49.5%

Median Age	7 Years
Age Range	1 Month - 81 Years

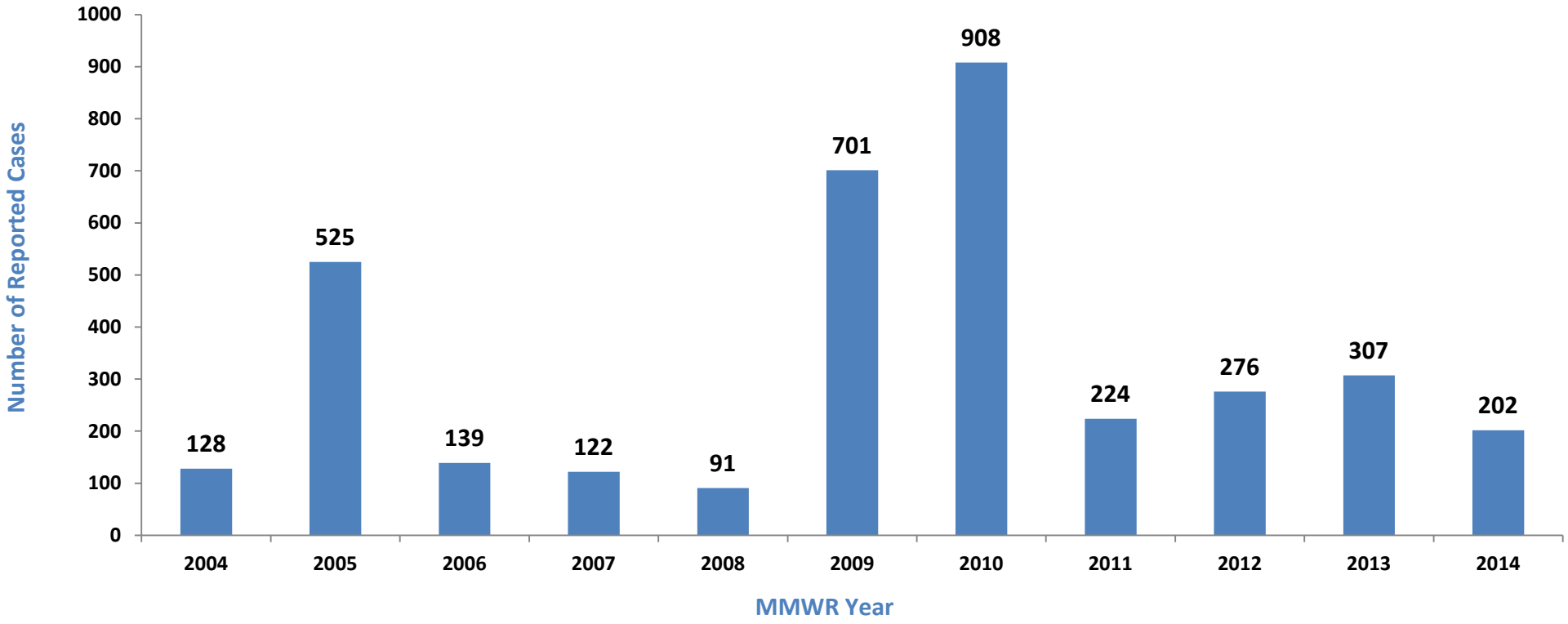
Age Distribution

Under 1 Year	32	15.8%
1-4 Years	47	23.3%
5-9 Years	50	24.8%
10-19 Years	47	23.3%
20-29 Years	6	3.0%
30-39 Years	7	3.5%
40-49 Years	9	4.5%
50-59 Years	1	0.5%
60 Years and Older	3	1.5%

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 2013 and 2014 data are preliminary. The data provided for 2014 was generated on September 10, 2014.

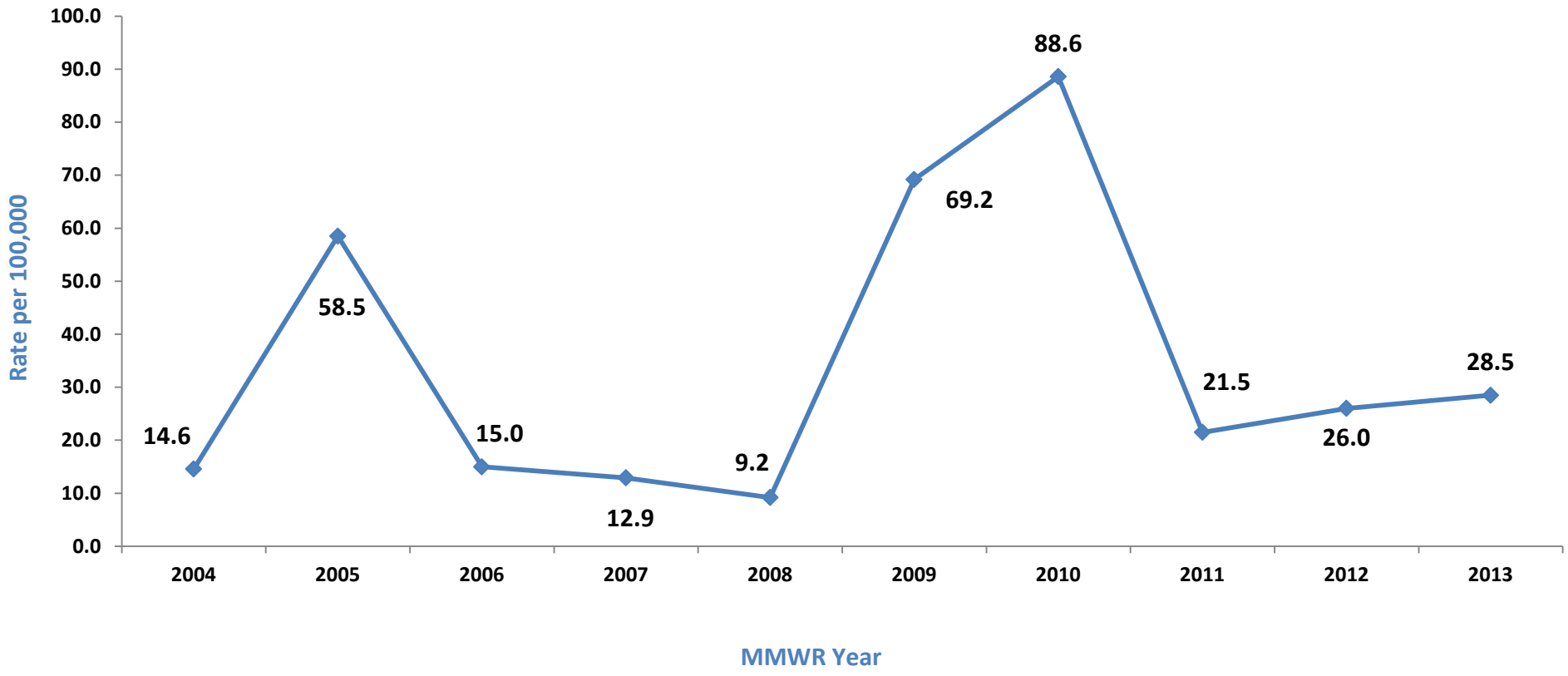
Pertussis remains a public health concern. The majority of reported Pertussis cases correlate to the school year (Figure 3). Most reported cases of Pertussis occur in elementary age children and younger (Table 1). Approximately 60% of the cases reported for 2014 are eight years of age or less. Travis County had an infant death as a result of Pertussis in March of 2014 prior to that the last reported Pertussis death in Travis County was in 2003.

Figure 1. Travis County Number of Reported Cases of Pertussis by Year 2004 – 2014[1, 2]



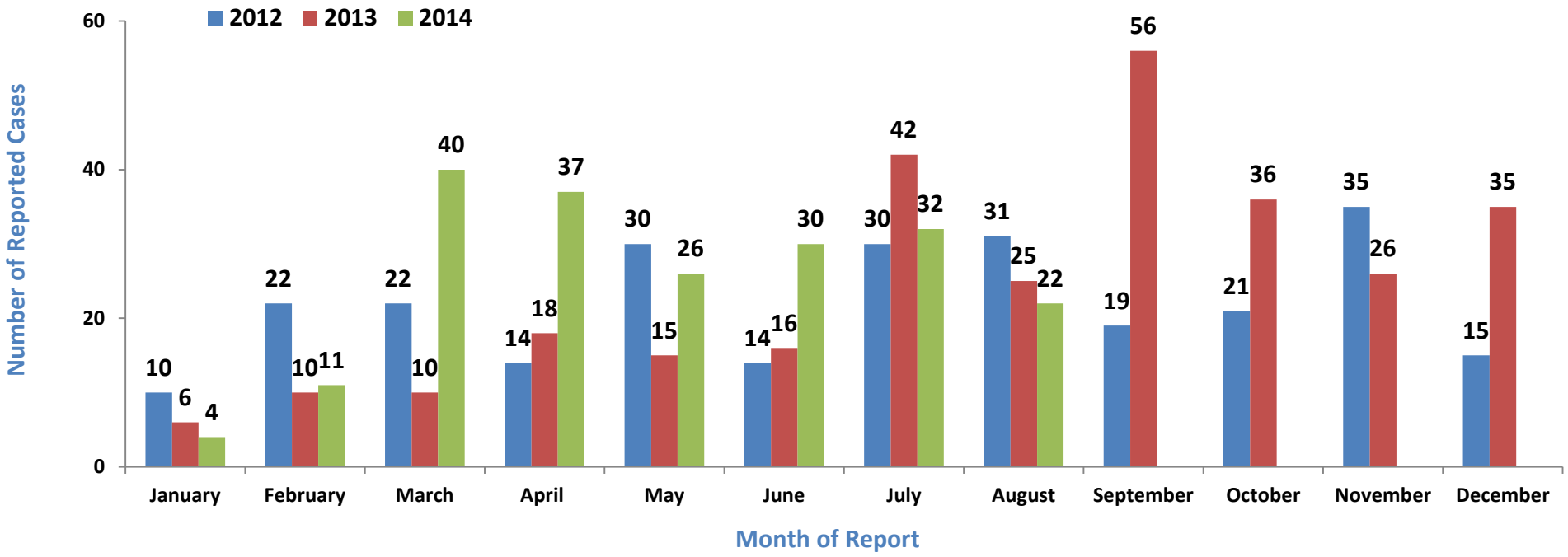
Data Source: Austin/Travis County Health and Human Services Department Epidemiology and Health Statistics Unit – National Electronic Disease Surveillance System (NEDSS)

Figure 2. Travis County Rate of Reported Cases of Pertussis by Year 2004 – 2013[3, 4, 5]



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

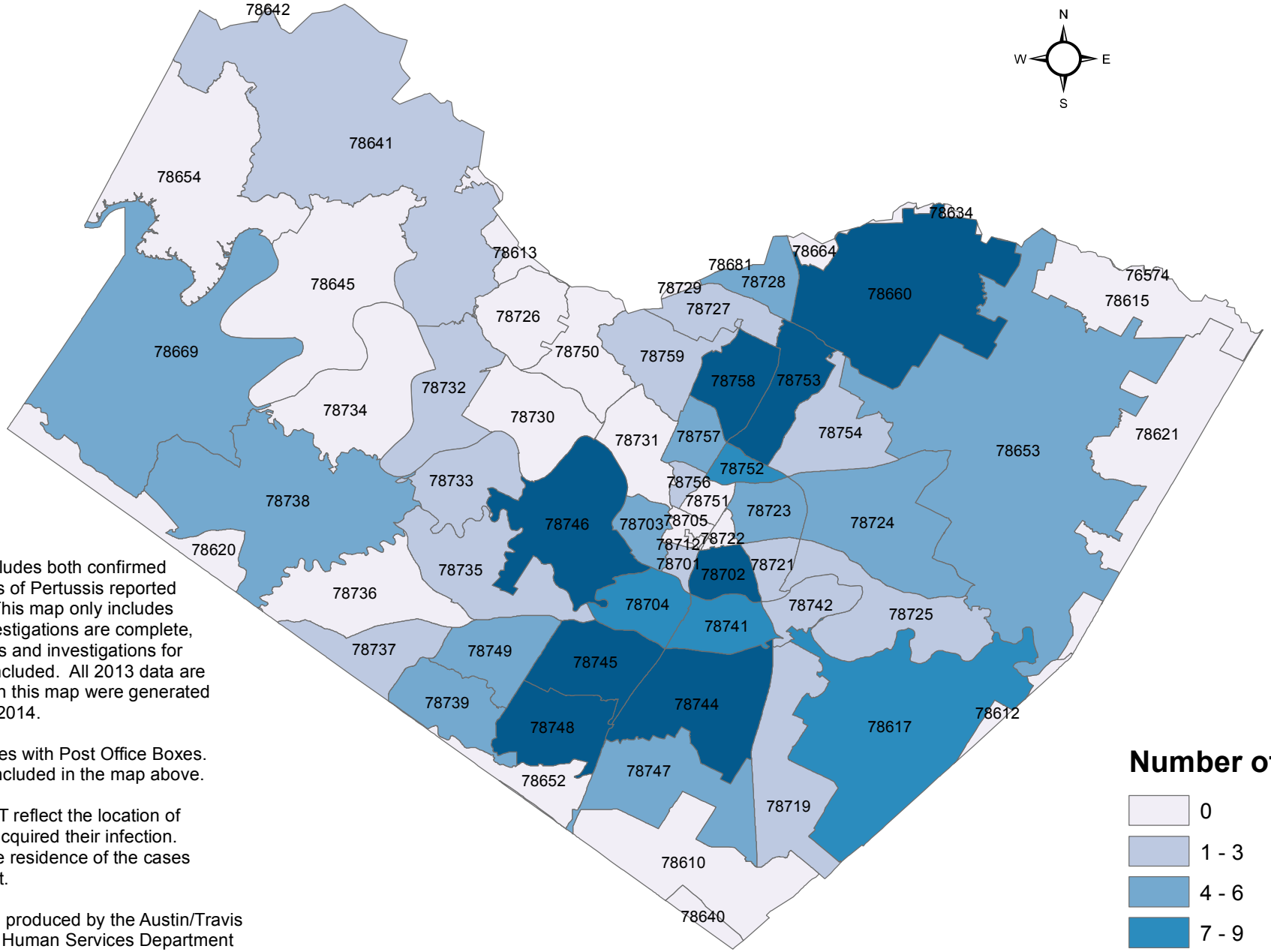
Figure 3. Travis County Number of Reported Cases of Pertussis by Month of Report 2012 - 2014[1, 2, 6]



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 2014[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 September 10, 2014.

Unable to map cases with Post Office Boxes. One zip code 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 - 3
- 4 - 6
- 7 - 9
- 10 and Greater

Table 1. Travis County Reported Cases of Pertussis by Age Group 2012 – 2014[1, 2, 3, 4, 5, 7]

Age Group	2012		2013		2014	
	Number	Rate	Number	Rate	Number	Rate
Under 1 Year Old	79	447.7	75	423.8	32	
1 – 4 Years	71	111.5	72	108.9	47	
5 – 9 Years	48	65.4	63	84.5	50	
10 – 19 Years	34	25.7	60	44.5	47	
20 – 29 Years	15	7.8	10	5.3	6	
30 – 39 Years	12	6.5	10	5.3	7	
40 – 49 Years	10	6.9	7	4.7	9	
50 – 59 Years	5	4.1	7	5.6	1	
60 Years and Older	2	1.6	3	2.2	3	
Total	276	26.0	307	28.5	202	

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

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

Other reports for Austin/Travis County are available on the Epidemiology and Disease Surveillance webpage.

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

[1] Data provided for 2013 and 2014 are preliminary data. The data provided for 2013 was generated on February 12, 2014 and the data for 2014 was generated on September 10, 2014. 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 obtained from the Texas Department of State Health Services Center for Health Statistics and Travis County Population Projections for 2011-2013 obtained from the Texas State Data Center, Population Estimates and Projections Program using the 0.5 migration scenario. 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 2014 will be provided at the completion of the year.