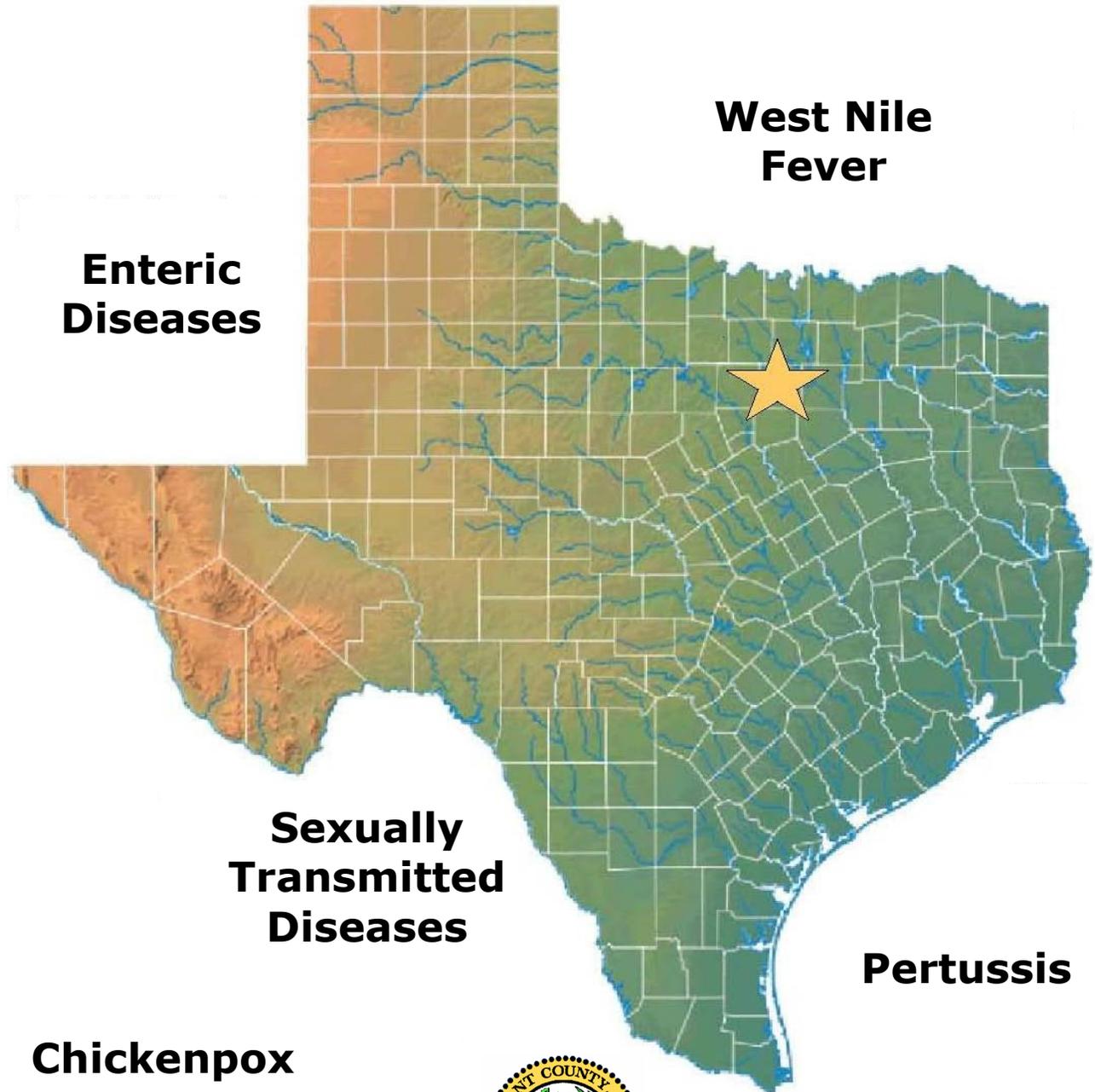


# ***Communicable Diseases***

## ***Tarrant County 2012***



Tarrant County Public Health  
*Safeguarding our community's health*



# Communicable Diseases Tarrant County, 2012



## Tarrant County Public Health

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## Table of Contents

Reportable diseases in Tarrant County .....	1
Background information for statistical summaries .....	1
Notifiable conditions in Tarrant County.....	2
Tarrant County population distributions by gender, race/ethnicity, and age group .....	3
Ten leading communicable diseases in Tarrant County .....	4
Selected communicable diseases by city .....	7
Selected communicable diseases by ZIP code.....	10
Disease specific information and definitions .....	16
Chlamydia .....	17
Gonorrhea .....	20
Salmonellosis .....	23
Early syphilis.....	26
Varicella (chickenpox) .....	29
Campylobacteriosis .....	32
HIV.....	35
West Nile fever .....	38
Pertussis (whooping cough) .....	41
<i>Streptococcus pneumoniae</i> , invasive .....	44

## List of Tables

Table 1:	Notifiable conditions, 2012 .....	2
Table 2:	Population estimates by gender, Tarrant County, 2012 .....	3
Table 3:	Population estimates by race/ethnicity, Tarrant County, 2012 .....	3
Table 4:	Population estimates by age group, Tarrant County, 2012 .....	3
Table 5:	Ten leading communicable diseases overall and by gender, Tarrant County, 2012 .....	4
Table 6:	Ten leading communicable diseases by race/ethnicity, Tarrant County, 2012 .....	5
Table 7:	Ten leading communicable diseases by age group, Tarrant County, 2012 .....	6
Table 8a-c:	Selected communicable diseases by city, Tarrant County, 2012.....	7
Table 9a-f:	Selected communicable diseases by ZIP code, Tarrant County, 2012 .....	10

## List of Figures

Figure 1:	Chlamydia, Tarrant County, 2008-2012 .....	17
Figure 2:	Chlamydia by gender, Tarrant County, 2012 .....	17
Figure 3:	Chlamydia by race/ethnicity, Tarrant County, 2012 .....	18
Figure 4:	Chlamydia by age group (in years), Tarrant County, 2012 .....	18
Figure 5:	Geographic distribution of chlamydia by ZIP code, Tarrant County, 2012 .....	19
Figure 6:	Gonorrhea, Tarrant County, 2008-2012 .....	20
Figure 7:	Gonorrhea by gender, Tarrant County, 2012 .....	20
Figure 8:	Gonorrhea by race/ethnicity, Tarrant County, 2012 .....	21
Figure 9:	Gonorrhea by age group (in years), Tarrant County, 2012 .....	21
Figure 10:	Geographic distribution of gonorrhea by ZIP code, Tarrant County, 2012 .....	22
Figure 11:	Salmonellosis, Tarrant County, 2008-2012 .....	23
Figure 12:	Salmonellosis by gender, Tarrant County, 2012.....	23
Figure 13:	Salmonellosis by race/ethnicity, Tarrant County, 2012 .....	24
Figure 14:	Salmonellosis by age group (in years), Tarrant County, 2012 .....	24
Figure 15:	Geographic distribution of salmonellosis by ZIP code, Tarrant County, 2012 .....	25
Figure 16:	Early syphilis, Tarrant County, 2008-2012 .....	26
Figure 17:	Early syphilis by gender, Tarrant County, 2012 .....	26

Figure 18:	Early syphilis by race/ethnicity, Tarrant County, 2012 .....	27
Figure 19:	Early syphilis by age group (in years), Tarrant County, 2012.....	27
Figure 20:	Geographic distribution of early syphilis by ZIP code, Tarrant County, 2012 .....	28
Figure 21:	Varicella, Tarrant County, 2008-2012 .....	29
Figure 22:	Varicella by gender, Tarrant County, 2012 .....	29
Figure 23:	Varicella by race/ethnicity, Tarrant County, 2012 .....	30
Figure 24:	Varicella by age group (in years), Tarrant County, 2012.....	30
Figure 25:	Geographic distribution of Varicella by ZIP code, Tarrant County, 2012.....	31
Figure 26:	Campylobacteriosis, Tarrant County, 2008-2012 .....	32
Figure 27:	Campylobacteriosis by gender, Tarrant County, 2012.....	32
Figure 28:	Campylobacteriosis by race/ethnicity, Tarrant County, 2012 .....	33
Figure 29:	Campylobacteriosis by age group (in years), Tarrant County, 2012 .....	33
Figure 30:	Geographic distribution of campylobacteriosis by ZIP code, Tarrant County, 2012 .....	34
Figure 31:	HIV, Tarrant County, 2008-2012.....	35
Figure 32:	HIV by gender, Tarrant County, 2012 .....	35
Figure 33:	HIV by race/ethnicity, Tarrant County, 2012 .....	36
Figure 34:	HIV by age group (in years), Tarrant County, 2012.....	36
Figure 35:	Geographic distribution of HIV by ZIP code, Tarrant County, 2012 .....	37
Figure 36:	West Nile fever, Tarrant County, 2008-2012 .....	38
Figure 37:	West Nile fever by gender, Tarrant County, 2012 .....	38
Figure 38:	West Nile fever by race/ethnicity, Tarrant County, 2012 .....	39
Figure 39:	West Nile fever by age group (in years), Tarrant County, 2012.....	39
Figure 40:	Geographic distribution of West Nile fever by ZIP code, Tarrant County, 2012 .....	40
Figure 41:	Pertussis, Tarrant County, 2008-2012.....	41
Figure 42:	Pertussis by gender, Tarrant County, 2012 .....	41
Figure 43:	Pertussis by race/ethnicity, Tarrant County, 2012.....	42
Figure 44:	Pertussis by age group (in years), Tarrant County, 2012 .....	42
Figure 45:	Geographic distribution of Pertussis by ZIP code, Tarrant County, 2012 .....	43
Figure 46:	<i>Streptococcus pneumonia</i> (invasive), Tarrant County, 2008-2012.....	44
Figure 47:	<i>Streptococcus pneumonia</i> (invasive) by gender, Tarrant County, 2012 .....	44
Figure 48:	<i>Streptococcus pneumonia</i> (invasive) by race/ethnicity, Tarrant County, 2010 .....	45
Figure 49:	<i>Streptococcus pneumonia</i> (invasive) by age group (in years), Tarrant County, 2012.....	45
Figure 50:	Geographic distribution of <i>Streptococcus pneumonia</i> (invasive) by ZIP code, Tarrant County, 2012 .....	46

## Reportable Diseases in Tarrant County

Several Texas laws (Health & Safety Code, chapter 81, 84, and 87) require specific information regarding notifiable conditions to be provided to the local health department. Tarrant County Public Health is the designated health department for reporting notifiable conditions in the county. ***Health care providers, hospitals, laboratories, schools, and others are required to report patients who are suspected of having a notifiable condition*** (chapter 97, Title 25, Texas Administrative Code).

All notifiable conditions in Tarrant County, as well as Texas, for 2012 are listed in Table 1. In addition to these, any outbreak, exotic diseases, and unusual group expressions of disease must be reported. All diseases must be reported by ***name, age, gender, race/ethnicity, date of birth, address, telephone number, disease, date of onset, method of diagnosis, and name, address, and telephone number of physician.***

### Background Information for Statistical Summaries

The frequency and incidence rate of communicable diseases are presented overall, by gender, by race/ethnicity, by age group, by city, and by ZIP code. Incidence rates are calculated as follows:

- Numerator – 2012 incidence of disease in Tarrant County
- Denominator – 2012 Tarrant County population at risk (2010 population for rates by city and ZIP code)
- Rate – per 100,000 population

Incidence rate is an essential and valuable public health measure; however, the interpretation of the rate should be made with caution. Rates based on numbers less than 20 are not recommended for reliable comparison because such rates can fluctuate widely each year. The tables in this report include rates for diseases with five or more cases. Conditions with less than five cases are not presented to protect confidentiality.

The 2012 Tarrant County population estimates used to calculate incidence rates overall, by gender, by race/ethnicity, and by age group are listed in Tables 2–4. Population estimates were obtained from the Texas Department of State Health Services. The 2010 population estimates by city and ZIP code were obtained from the US Census Bureau, 2010 Census.

## Notifiable Conditions

**Table 1. Notifiable conditions, Tarrant County, 2012**

Conditions Immediately Reportable	Cases	Conditions Reportable Within One Week	Cases
Anthrax	0	Acquired Immune Deficiency Syndrome (AIDS)	38
Botulism, foodborne	0	Amebiasis	< 5
Diphtheria	0	Arbovirus infection (excluding West Nile)*	0
<i>Haemophilus influenzae</i> type b infections, invasive	< 5	Asbestosis	0
Measles (rubeola)	0	Botulism, infant, wound, and other	0
Meningococcal infections, invasive	< 5	Campylobacteriosis	204
Plague ( <i>Yersinia pestis</i> )	0	Chancroid	0
Poliomyelitis, acute paralytic	0	Chickenpox (varicella)	208
Rabies, human	0	<i>Chlamydia trachomatis</i> infection	8,515
Severe Acute Respiratory Syndrome (SARS)	0	Creutzfeldt-Jakob disease	< 5
Smallpox	0	Cryptosporidiosis	35
Staphylococcus aureus, Vancomycin-resistant (VISA & VRSA)	< 5	Cyclosporiasis	< 5
Tularemia	0	Cysticercosis	0
Viral hemorrhagic fever, including Ebola	0	Dengue	0
Yellow fever	0	Ehrlichiosis	0
<b>Conditions Reportable Within One Working Day</b>		Encephalitis, non-arboviral	< 5
	<b>Cases</b>	Encephalitis, arboviral (West Nile)	101
Brucellosis	5	<i>Escherichia coli</i> , enterohemorrhagic	36
Hepatitis A (acute)	6	Gonorrhea	2,176
Hepatitis B, perinatal	0	Hansen's disease (leprosy)	0
Influenza-associated pediatric mortality	< 5	Hantavirus infection	0
Pertussis	162	Hemolytic Uremic Syndrome (HUS)	< 5
Q fever	< 5	Hepatitis B (acute)	15
Rubella (including congenital)	0	Hepatitis C (acute)	< 5
Syphilis-primary, secondary & early latent stages	301	Hepatitis E (acute)	< 5
Tuberculosis (including all <i>M. tuberculosis</i> complex)	72	Human Immunodeficiency Virus (HIV) infection	189
<i>Vibrio</i> infection, including cholera	7	Legionellosis	17
		Leishmaniasis	0
		Listeriosis	< 5
		Lyme disease	< 5
		Malaria	9
		Aseptic (viral) Meningitis	131
		Bacterial and other Meningitis	12
		Mumps	0
		Relapsing fever	0
		Salmonellosis (excluding typhoid fever)	340
		Shigellosis	105
		Silicosis	0
		Spotted fever group rickettsioses	< 5
		Streptococcal disease (group A, B, <i>S. pneumoniae</i> ), invasive	273
		Syphilis - all other stages	106
		<i>Taenia solium</i> and undifferentiated <i>Taenia</i> infection	0
		Tetanus	0
		Trichinosis	0
		Typhus	0
		West Nile Fever	179
		Yersiniosis	< 5

Note: This table represents communicable conditions that were reportable in 2012. Additions/changes made for 2013 are not presented in Table 1. Conditions with less than five cases not presented to protect confidentiality.

\* Arboviral infections include neuroinvasive and non-neuroinvasive California serogroup including Cache Valley, Eastern Equine (EEE), Dengue, Powassan, St. Louis Encephalitis, West Nile and Western Equine (WEE). The only arboviral infection reported in 2012 was West Nile Virus.

Data source: Tarrant County Public Health

## Tarrant County Population Distributions by Gender, Race/Ethnicity, and Age Group

**Table 2. Population estimates by gender, Tarrant County, 2012**

Gender	Population	Percent
Female	951,133	49.5%
Male	969,581	50.5%
Total	1,920,714	100.0%

*Data source: Texas Department of State Health Services*

**Table 3. Population estimates by race/ethnicity, Tarrant County, 2012**

Race/Ethnicity	Population	Percent
Hispanic	628,833	32.7%
Non-Hispanic Black	257,138	13.4%
Non-Hispanic White	887,165	46.2%
Other	147,578	7.7%
Total	1,920,714	100.0%

*Data source: Texas Department of State Health Services*

**Table 4. Population estimates by age group, Tarrant County, 2012**

Age Group (in years)	Population	Percent
0 to 4	151,003	7.9%
5 to 9	140,704	7.3%
10 to 14	130,817	6.8%
15 to 19	131,171	6.8%
20 to 24	139,886	7.3%
25 to 34	312,938	16.3%
35 to 44	308,656	16.1%
45 to 54	255,099	13.3%
55 to 64	191,220	10.0%
65 and over	159,220	8.3%
Total	1,920,714	100.0%

*Data source: Texas Department of State Health Services*

## Communicable Diseases in Tarrant County

**Table 5. Ten leading communicable diseases overall and by gender, Tarrant County, 2012**

	<b>Overall n (Rate)</b>	<b>Female n (Rate)</b>	<b>Male n (Rate)</b>
<b>1</b>	Chlamydia 8,515 (443.3)	Chlamydia 6,406 (673.5)	Chlamydia 2,109 (217.5)
<b>2</b>	Gonorrhea 2,176 (113.3)	Gonorrhea 1,154 (121.3)	Gonorrhea 1,022 (105.4)
<b>3</b>	Salmonellosis 340 (17.7)	Salmonellosis 177 (18.6)	Early Syphilis 237 (24.4)
<b>4</b>	Early Syphilis 301 (15.7)	Varicella 114 (12.0)	Salmonellosis 163 (16.8)
<b>5</b>	Varicella 208 (10.8)	West Nile Fever 86 (9.0)	HIV 148 (15.3)
<b>6</b>	Campylobacteriosis 204 (10.6)	Campylobacteriosis 83 (8.7)	Campylobacteriosis 121 (12.5)
<b>7</b>	HIV 189 (9.8)	Pertussis 73 (7.7)	Varicella 94 (9.7)
<b>8</b>	West Nile Fever 179 (9.3)	Aseptic Meningitis/ S. pneumoniae, inv 71 (7.5)	West Nile Fever 93 (9.6)
<b>9</b>	Pertussis 162 (8.4)	Early Syphilis 64 (6.7)	Pertussis 89 (9.2)
<b>10</b>	<i>S. pneumoniae</i> , inv 153 (8.0)	Shigellosis 50 (5.3)	<i>S. pneumoniae</i> , inv 82 (8.5)

*n* = number of cases; Rate per 100,000 population

Data source: Tarrant County Public Health

**Table 6. Ten leading communicable diseases by race/ethnicity, Tarrant County, 2012<sup>†</sup>**

	<b>Hispanic</b>	<b>Non-Hispanic Black</b>	<b>Non-Hispanic White</b>	<b>Other</b>
	<b>n (Rate)</b>	<b>n (Rate)</b>	<b>n (Rate)</b>	<b>n (Rate)</b>
<b>1</b>	Chlamydia 2,086 (331.7)	Chlamydia 2,838 (1,103.7)	Chlamydia 1,875 (211.3)	Chlamydia 140 (94.9)
<b>2</b>	Gonorrhea 357 (56.8)	Gonorrhea 1,197 (465.5)	Gonorrhea 345 (38.9)	Gonorrhea 24 (16.3)
<b>3</b>	Salmonellosis 74 (11.8)	Early Syphilis 134 (52.1)	Salmonellosis 201 (22.7)	Tuberculosis 22 (14.9)
<b>4</b>	Campylobacteriosis 73 (11.6)	HIV 104 (40.4)	West Nile Fever 150 (16.9)	Salmonellosis 17 (11.5)
<b>5</b>	Early Syphilis 71 (11.3)	Syphilis 46 (17.9)	Varicella 112 (12.6)	Varicella 10 (6.8)
<b>6</b>	Pertussis 59 (9.4)	<i>S. pneumoniae</i> , inv 32 (12.4)	Early Syphilis 89 (10.0)	Pertussis 9 (6.1)
<b>7</b>	Varicella 42 (6.7)	Salmonellosis 26 (10.1)	Campylobacteriosis 87 (9.8)	Campylobacteriosis 8 (5.4)
<b>8</b>	Shigellosis 38 (6.0)	Aseptic Meningitis 21 (8.2)	<i>S. pneumoniae</i> , inv 86 (9.7)	Early Syphilis 6 (4.1)
<b>9</b>	HIV 35 (5.6)	Campylobacteriosis 17 (6.6)	Pertussis 82 (9.2)	AIDS/Shigellosis/ West Nile Fever 5 (3.4)
<b>10</b>	Aseptic Meningitis/ Tuberculosis 21 (3.3)	AIDS 16 (6.2)	West Nile Encephalitis 78 (8.8)	---

*n* = number of cases; Rate per 100,000 population; Less than five cases not reported to protect confidentiality

Rates based on less than 20 cases are considered unstable and should be interpreted with caution

<sup>†</sup>Rankings for race/ethnicity should be interpreted with caution due to missing data; Race/ethnicity data are missing for 33% of acute Hepatitis B cases, 19% of Chlamydia cases, 17% of acute Hepatitis A cases, 16% of Varicella cases, 12% of Gonorrhea cases, 11% of Aseptic Meningitis cases, 11% of Cryptosporidiosis cases, and 11% of Group B Streptococcus cases

Data source: Tarrant County Public Health

**Table 7. Ten leading communicable diseases by age group, Tarrant County, 2012**

	<b>0 - 4 Yrs</b> <b>n (Rate)</b>	<b>5 - 9 Yrs</b> <b>n (Rate)</b>	<b>10 - 14 Yrs</b> <b>n (Rate)</b>	<b>15 - 19 Yrs</b> <b>n (Rate)</b>	<b>20 - 24 Yrs</b> <b>n (Rate)</b>
<b>1</b>	Salmonellosis 112 (74.2)	Varicella 75 (53.3)	Chlamydia 96 (73.4)	Chlamydia 2,592 (1,976.0)	Chlamydia 3,309 (2,365.5)
<b>2</b>	Pertussis 65 (43.0)	Salmonellosis 51 (36.2)	Pertussis 48 (36.7)	Gonorrhea 618 (471.1)	Gonorrhea 775 (554.0)
<b>3</b>	Varicella 64 (42.4)	Pertussis 33 (23.5)	Varicella 34 (26.0)	Salmonellosis 17 (13.0)	Early Syphilis 97 (69.3)
<b>4</b>	Campylobacteriosis 51 (33.8)	Shigellosis 28 (19.9)	Gonorrhea 27 (20.6)	Early Syphilis/HIV 16 (12.2)	HIV 49 (35.0)
<b>5</b>	Aseptic Meningitis 34 (22.5)	Campylobacteriosis 24 (17.1)	Salmonellosis 25 (19.1)	Pertussis 11 (8.4)	Campylobacteriosis 19 (13.6)
<b>6</b>	Shigellosis 33 (21.9)	Aseptic Meningitis 12 (8.5)	Aseptic Meningitis 12 (9.2)	Aseptic Meningitis 10 (7.6)	Salmonellosis 10 (7.1)
<b>7</b>	Group B Strep 18 (11.9)	---	Campylobacteriosis/ Shigellosis 10 (7.6)	Campylobacteriosis 7 (5.3)	West Nile Fever 9 (6.4)
<b>8</b>	<i>S. pneumoniae</i> , inv 15 (9.9)	---	---	<i>E. coli</i> , STEC 6 (4.6)	---
<b>9</b>	<i>E. coli</i> , STEC 10 (6.6)	---	---	Shigellosis 5 (3.8)	---
<b>10</b>	Chlamydia 7 (4.6)	---	---	---	---

	<b>25 - 34 Yrs</b> <b>n (Rate)</b>	<b>35 - 44 Yrs</b> <b>n (Rate)</b>	<b>45 - 54 Yrs</b> <b>n (Rate)</b>	<b>55 - 64 Yrs</b> <b>n (Rate)</b>	<b>65 + Yrs</b> <b>n (Rate)</b>
<b>1</b>	Chlamydia 1,977 (631.8)	Chlamydia 412 (133.5)	Chlamydia 99 (38.8)	West Nile Fever 42 (22.0)	<i>S. pneumoniae</i> , inv 66 (41.5)
<b>2</b>	Gonorrhea 540 (172.6)	Gonorrhea 137 (44.4)	Gonorrhea 60 (23.5)	<i>S. pneumoniae</i> , inv 27 (14.1)	Salmonellosis/ West Nile Encephalitis 32 (20.1)
<b>3</b>	Early Syphilis 85 (27.2)	Early Syphilis 56 (18.1)	West Nile Fever 48 (18.8)	Salmonellosis 26 (13.6)	Group B Strep 30 (18.8)
<b>4</b>	HIV 56 (17.9)	HIV 36 (11.7)	Early Syphilis 33 (12.9)	Campylobacteriosis 18 (9.4)	West Nile Fever 29 (18.2)
<b>5</b>	Salmonellosis 29 (9.3)	West Nile Fever 30 (9.7)	Campylobacteriosis 27 (10.6)	Chlamydia/TB West Nile Encephalitis 17 (8.9)	Campylobacteriosis/ Cryptosporidiosis 13 (8.2)
<b>6</b>	Campylobacteriosis 21 (6.7)	Aseptic Meningitis 20 (6.5)	<i>S. pneumoniae</i> , inv. 23 (9.0)	Group B Strep 15 (7.8)	Tuberculosis 11 (6.9)
<b>7</b>	Aseptic Meningitis 18 (5.8)	Salmonella 18 (5.8)	Salmonellosis 20 (7.8)	Gonorrhea 14 (7.3)	Group A Strep/ Legionellosis 9 (5.7)
<b>8</b>	West Nile Fever 17 (5.4)	West Nile Encephalitis 17 (5.5)	HIV/Tuberculosis 19 (7.4)	Early Syphilis/HIV 11 (5.8)	Varicella 7 (4.4)
<b>9</b>	Shigellosis 13 (4.2)	Campylobacteriosis 14 (4.5)	West Nile Encephalitis 18 (7.1)	Aseptic Meningitis 9 (4.7)	---
<b>10</b>	Tuberculosis 9 (2.9)	<i>S. pneumoniae</i> , inv. 12 (3.9)	AIDS 15 (5.9)	Group A Strep 6 (3.1)	---

*n* = number of cases; Rate per 100,000 population; Less than five cases not reported to protect confidentiality

Rates based on less than 20 cases are considered unstable and should be interpreted with caution

*E. coli* STEC – Shiga Toxin-producing *Escherichia coli*

Data source: Tarrant County Public Health

## Communicable Diseases by City

**Table 8a. Selected communicable diseases by city, Tarrant County, 2012**

City	Aseptic Meningitis		Campylobacteriosis		Chlamydia		Early Syphilis	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Arlington	23	6.3	22	6.0	1,823	498.9	55	15.1
Azle	< 5	@	0	0.0	17	155.3	0	0.0
Bedford	6	12.8	< 5	@	159	338.4	6	12.8
Benbrook	< 5	@	< 5	@	26	122.4	< 5	@
Blue Mound	0	0.0	< 5	@	< 5	@	0	0.0
Burleson	< 5	@	0	0.0	41	111.7	< 5	@
Colleyville	< 5	@	< 5	@	28	122.8	< 5	@
Crowley	< 5	@	< 5	@	97	755.6	< 5	@
Eules	< 5	@	5	9.8	240	468.0	12	23.4
Everman	< 5	@	< 5	@	16	262.0	0	0.0
Forest Hill	< 5	@	0	0.0	63	509.9	< 5	@
Fort Worth	54	7.3	127	17.1	4,741	639.6	180	24.3
Grand Prairie	< 5	@	0	0.0	117	66.7	< 5	@
Grapevine	< 5	@	< 5	@	102	220.1	< 5	@
Haltom City	< 5	@	< 5	@	170	400.9	< 5	@
Haslet	0	0.0	0	0.0	28	1,845.7	0	0.0
Hurst	< 5	@	< 5	@	142	380.3	< 5	@
Keller	7	17.7	6	15.1	192	484.5	6	15.1
Kennedale	< 5	@	0	0.0	19	280.9	< 5	@
Lake Worth	0	0.0	0	0.0	8	174.5	0	0.0
Lakeside	0	0.0	0	0.0	< 5	@	0	0.0
Mansfield	6	10.6	8	14.2	194	344.2	8	14.2
North Richland Hills	5	7.9	< 5	@	102	161.0	5	7.9
Pantego	0	0.0	< 5	@	< 5	@	0	0.0
Richland Hills	0	0.0	0	0.0	19	243.6	< 5	@
River Oaks	0	0.0	< 5	@	15	202.0	< 5	@
Saginaw	< 5	@	< 5	@	44	222.2	< 5	@
Sansom Park	0	0.0	0	0.0	< 5	@	0	0.0
Southlake	< 5	@	< 5	@	34	127.9	0	0.0
Watauga	< 5	@	< 5	@	56	238.3	< 5	@
Westworth Village	0	0.0	0	0.0	< 5	@	0	0.0
White Settlement	0	0.0	< 5	@	11	68.3	0	0.0

*Rate per 100,000 population*

*Less than five cases not reported to protect confidentiality; @ = rate not calculated for less than five cases*

*Rates based on less than 20 cases are considered unstable and should be interpreted with caution.*

*Data source: Tarrant County Public Health*

**Table 8b. Selected communicable diseases by city, Tarrant County, 2012**

City	Gonorrhea		HIV		Pertussis		Salmonellosis	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Arlington	423	115.8	38	10.4	28	7.7	75	20.5
Azle	< 5	@	< 5	@	0	0.0	6	54.8
Bedford	23	49.0	< 5	@	< 5	@	9	19.2
Benbrook	11	51.8	0	0.0	< 5	@	7	33.0
Blue Mound	< 5	@	0	0.0	0	0.0	0	0.0
Burleson	6	16.4	< 5	@	< 5	@	5	13.6
Colleyville	5	21.9	< 5	@	< 5	@	8	35.1
Crowley	25	194.7	0	0.0	0	0.0	< 5	@
Eules	56	109.2	8	15.6	7	13.7	15	29.3
Everman	9	147.3	0	0.0	0	0.0	< 5	@
Forest Hill	24	194.3	0	0.0	< 5	@	< 5	@
Fort Worth	1,389	187.4	117	15.8	68	9.2	119	16.1
Grand Prairie	29	16.5	< 5	@	< 5	@	5	2.9
Grapevine	13	28.1	< 5	@	< 5	@	13	28.1
Haltom City	26	61.3	< 5	@	< 5	@	< 5	@
Haslet	< 5	@	0	0.0	< 5	@	0	0.0
Hurst	24	64.3	< 5	@	6	16.1	11	29.5
Keller	23	58.0	< 5	@	9	22.7	16	40.4
Kennedale	< 5	@	< 5	@	0	0.0	0	0.0
Lake Worth	0	0.0	0	0.0	0	0.0	0	0.0
Lakeside	0	0.0	0	0.0	0	0.0	0	0.0
Mansfield	28	49.7	< 5	@	7	12.4	12	21.3
North Richland Hills	20	31.6	0	0.0	9	14.2	16	25.3
Pantego	< 5	@	0	0.0	< 5	@	0	0.0
Richland Hills	6	76.9	< 5	@	< 5	@	0	0.0
River Oaks	< 5	@	0	0.0	0	0.0	< 5	@
Saginaw	8	40.4	0	0.0	0	0.0	< 5	@
Sansom Park	0	0.0	0	0.0	0	0.0	0	0.0
Southlake	< 5	@	< 5	@	< 5	@	8	30.1
Watauga	6	25.5	0	0.0	5	21.3	< 5	@
Westworth Village	< 5	@	0	0.0	0	0.0	0	0.0
White Settlement	< 5	@	0	0.0	0	0.0	0	0.0

*Rate per 100,000 population*

*Less than five cases not reported to protect confidentiality; @ = rate not calculated for less than five cases*

*Rates based on less than 20 cases are considered unstable and should be interpreted with caution.*

*Data source: Tarrant County Public Health*

**Table 8c. Selected communicable diseases by city, Tarrant County, 2012**

City	Shigellosis		<i>S. pneumoniae, inv.</i>		West Nile Fever		Varicella	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Arlington	16	4.4	17	4.7	36	9.9	20	5.5
Azle	< 5	@	< 5	@	0	0.0	9	82.2
Bedford	< 5	@	< 5	@	8	17.0	9	19.2
Benbrook	0	0.0	7	33.0	< 5	@	5	23.5
Blue Mound	0	0.0	0	0.0	0	0.0	0	0.0
Burleson	0	0.0	< 5	@	< 5	@	< 5	@
Colleyville	0	0.0	< 5	@	< 5	@	< 5	@
Crowley	< 5	@	< 5	@	0	0.0	< 5	@
Eules	12	23.4	9	17.6	< 5	@	10	19.5
Everman	0	0.0	0	0.0	< 5	@	< 5	@
Forest Hill	0	0.0	< 5	@	0	0.0	< 5	@
Fort Worth	41	5.5	79	10.7	50	6.7	80	10.8
Grand Prairie	< 5	@	< 5	@	< 5	@	< 5	@
Grapevine	< 5	@	0	0.0	8	17.3	< 5	@
Haltom City	< 5	@	< 5	@	6	14.1	< 5	@
Haslet	0	0.0	0	0.0	0	0.0	< 5	@
Hurst	< 5	@	< 5	@	5	13.4	6	16.1
Keller	< 5	@	< 5	@	9	22.7	21	53.0
Kennedale	0	0.0	< 5	@	< 5	@	< 5	@
Lake Worth	0	0.0	0	0.0	< 5	@	0	0.0
Lakeside	0	0.0	0	0.0	0	0.0	0	0.0
Mansfield	10	17.7	9	16.0	9	16.0	6	10.6
North Richland Hills	< 5	@	6	9.5	13	20.5	9	14.2
Pantego	0	0.0	0	0.0	0	0.0	0	0.0
Richland Hills	0	0.0	0	0.0	0	0.0	< 5	@
River Oaks	0	0.0	0	0.0	0	0.0	0	0.0
Saginaw	< 5	@	< 5	@	< 5	@	0	0.0
Sansom Park	0	0.0	0	0.0	0	0.0	0	0.0
Southlake	< 5	@	< 5	@	7	26.3	< 5	@
Watauga	0	0.0	0	0.0	< 5	@	< 5	@
Westworth Village	0	0.0	< 5	@	0	0.0	0	0.0
White Settlement	< 5	@	0	0.0	0	0.0	< 5	@

*Rate per 100,000 population*

*Less than five cases not reported to protect confidentiality; @ = rate not calculated for less than five cases*

*Rates based on less than 20 cases are considered unstable and should be interpreted with caution.*

*Data source: Tarrant County Public Health*

## Communicable Diseases by ZIP Code

**Table 9a. Selected communicable diseases by ZIP code, Tarrant County, 2012**

ZIP Code	Aseptic Meningitis		Campylobacteriosis		Chlamydia		Early Syphilis	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
75050	< 5	@	0	0.0	15	36.5	0	0.0
75051	0	0.0	0	0.0	27	68.7	< 5	@
75052	0	0.0	0	0.0	72	80.9	< 5	@
75054	0	0.0	0	0.0	< 5	@	0	0.0
76001	< 5	@	< 5	@	128	420.2	< 5	@
76002	< 5	@	< 5	@	134	442.7	5	16.5
76006	< 5	@	< 5	@	162	715.6	10	44.2
76008	0	0.0	0	0.0	0	0.0	0	0.0
76010	< 5	@	< 5	@	315	565.5	9	16.2
76011	< 5	@	< 5	@	169	782.6	7	32.4
76012	0	0.0	< 5	@	100	389.3	6	23.4
76013	< 5	@	< 5	@	116	378.1	5	16.3
76014	< 5	@	0	0.0	215	631.0	5	14.7
76015	< 5	@	< 5	@	73	438.2	0	0.0
76016	< 5	@	< 5	@	76	246.3	< 5	@
76017	< 5	@	< 5	@	161	360.0	< 5	@
76018	< 5	@	0	0.0	134	497.4	< 5	@
76020	< 5	@	0	0.0	17	76.3	0	0.0
76021	5	14.8	< 5	@	101	299.9	< 5	@
76022	< 5	@	< 5	@	47	355.7	< 5	@
76028	< 5	@	0	0.0	41	68.6	< 5	@
76034	< 5	@	< 5	@	28	123.1	< 5	@
76036	< 5	@	< 5	@	97	434.0	< 5	@
76039	< 5	@	< 5	@	108	328.0	5	15.2
76040	< 5	@	< 5	@	126	457.8	7	25.4
76051	< 5	@	< 5	@	98	211.6	< 5	@
76052	0	0.0	0	0.0	28	175.1	0	0.0
76053	< 5	@	< 5	@	100	351.9	< 5	@
76054	< 5	@	< 5	@	41	348.5	< 5	@
76060	< 5	@	0	0.0	19	280.9	< 5	@
76063	6	9.8	8	13.0	194	316.2	8	13.0
76092	< 5	@	< 5	@	35	131.2	0	0.0
76102	< 5	@	< 5	@	98	1,208.2	5	61.6
76103	< 5	@	< 5	@	82	562.7	9	61.8
76104	0	0.0	7	40.1	228	1,306.9	12	68.8

*Rate per 100,000 population*

*Less than five cases not reported to protect confidentiality; @ = rate not calculated for less than five cases*

*Rates based on less than 20 cases are considered unstable and should be interpreted with caution.*

*Data source: Tarrant County Public Health*

**Table 9b. Selected communicable diseases by ZIP code, Tarrant County, 2012**

ZIP Code	Aseptic Meningitis		Campylobacteriosis		Chlamydia		Early Syphilis	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
76105	0	0.0	9	40.6	242	1,090.4	7	31.5
76106	< 5	@	12	33.9	269	760.1	8	22.6
76107	0	0.0	5	19.3	110	424.4	5	19.3
76108	6	15.7	5	13.1	152	397.6	< 5	@
76109	< 5	@	< 5	@	75	345.5	< 5	@
76110	0	0.0	11	36.1	185	607.9	7	23.0
76111	< 5	@	0	0.0	114	525.7	< 5	@
76112	7	18.0	< 5	@	349	895.0	24	61.5
76114	0	0.0	6	24.3	122	493.1	< 5	@
76115	0	0.0	7	33.8	145	700.6	8	38.7
76116	< 5	@	8	17.1	275	588.3	10	21.4
76117	< 5	@	< 5	@	154	502.5	< 5	@
76118	0	0.0	< 5	@	46	331.7	5	36.1
76119	< 5	@	8	18.7	394	921.4	23	53.8
76120	0	0.0	0	0.0	122	798.3	11	72.0
76123	< 5	@	6	20.2	148	497.1	< 5	@
76126	< 5	@	0	0.0	32	165.0	< 5	@
76127	0	0.0	0	0.0	18	898.7	0	0.0
76131	< 5	@	< 5	@	99	348.9	< 5	@
76132	< 5	@	< 5	@	156	631.3	< 5	@
76133	< 5	@	< 5	@	289	597.2	13	26.9
76134	5	21.1	5	21.1	217	915.5	5	21.1
76135	< 5	@	< 5	@	81	391.6	0	0.0
76137	6	10.9	5	9.1	189	344.2	< 5	@
76140	< 5	@	5	19.0	206	782.1	8	30.4
76148	0	0.0	< 5	@	88	377.2	< 5	@
76155	0	0.0	0	0.0	13	417.3	< 5	@
76164	0	0.0	< 5	@	85	507.5	< 5	@
76177	0	0.0	< 5	@	18	368.0	< 5	@
76179	< 5	@	< 5	@	167	347.5	< 5	@
76180	< 5	@	< 5	@	116	346.8	5	15.0
76182	< 5	@	< 5	@	< 5	@	0	0.0
76244	5	8.3	< 5	@	124	205.3	< 5	@
76248	< 5	@	< 5	@	84	242.4	< 5	@
76262	0	0.0	< 5	@	8	28.9	0	0.0

Rate per 100,000 population

Less than five cases not reported to protect confidentiality; @ = rate not calculated for less than five cases

Rates based on less than 20 cases are considered unstable and should be interpreted with caution.

Data source: Tarrant County Public Health

**Table 9c. Selected communicable diseases by ZIP code, Tarrant County, 2012**

ZIP Code	Gonorrhea		HIV		Pertussis		Salmonellosis	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
75050	< 5	@	< 5	@	< 5	@	< 5	@
75051	< 5	@	0	0.0	0	0.0	0	0.0
75052	22	24.7	< 5	@	< 5	@	< 5	@
75054	< 5	@	0	0.0	0	0.0	< 5	@
76001	20	65.7	0	0.0	< 5	@	7	23.0
76002	21	69.4	< 5	@	0	0.0	6	19.8
76006	55	242.9	< 5	@	0	0.0	< 5	@
76008	0	0.0	0	0.0	0	0.0	0	0.0
76010	60	107.7	6	10.8	6	10.8	6	10.8
76011	47	217.7	6	27.8	< 5	@	5	23.2
76012	24	93.4	< 5	@	7	27.2	5	19.5
76013	30	97.8	< 5	@	< 5	@	5	16.3
76014	51	149.7	0	0.0	< 5	@	7	20.5
76015	27	162.1	< 5	@	0	0.0	5	30.0
76016	9	29.2	< 5	@	< 5	@	7	22.7
76017	40	89.4	0	0.0	< 5	@	9	20.1
76018	30	111.4	6	22.3	< 5	@	7	26.0
76020	< 5	@	< 5	@	0	0.0	6	26.9
76021	14	41.6	< 5	@	< 5	@	6	17.8
76022	9	68.1	< 5	@	< 5	@	< 5	@
76028	7	11.7	< 5	@	< 5	@	5	8.4
76034	5	22.0	< 5	@	< 5	@	8	35.2
76036	25	111.8	0	0.0	0	0.0	< 5	@
76039	19	57.7	< 5	@	< 5	@	8	24.3
76040	37	134.4	< 5	@	5	18.2	7	25.4
76051	13	28.1	< 5	@	< 5	@	12	25.9
76052	< 5	@	0	0.0	< 5	@	8	50.0
76053	19	66.9	< 5	@	6	21.1	0	0.0
76054	5	42.5	< 5	@	0	0.0	< 5	@
76060	< 5	@	< 5	@	0	0.0	0	0.0
76063	28	45.6	< 5	@	7	11.4	12	19.6
76092	< 5	@	< 5	@	< 5	@	9	33.7
76102	51	628.8	< 5	@	0	0.0	< 5	@
76103	26	178.4	< 5	@	< 5	@	0	0.0
76104	106	607.6	8	45.9	< 5	@	< 5	@

Rate per 100,000 population

Less than five cases not reported to protect confidentiality; @ = rate not calculated for less than five cases

Rates based on less than 20 cases are considered unstable and should be interpreted with caution.

Data source: Tarrant County Public Health

**Table 9d. Selected communicable diseases by ZIP code, Tarrant County, 2012**

ZIP Code	Gonorrhea		HIV		Pertussis		Salmonellosis	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
76105	94	423.5	7	31.5	0	0.0	8	36.0
76106	45	127.2	< 5	@	< 5	@	< 5	@
76107	43	165.9	6	23.2	0	0.0	< 5	@
76108	37	96.8	< 5	@	< 5	@	< 5	@
76109	13	59.9	< 5	@	< 5	@	< 5	@
76110	38	124.9	< 5	@	< 5	@	8	26.3
76111	17	78.4	< 5	@	< 5	@	< 5	@
76112	132	338.5	10	25.6	< 5	@	5	12.8
76114	22	88.9	< 5	@	< 5	@	< 5	@
76115	43	207.8	< 5	@	< 5	@	5	24.2
76116	72	154.0	10	21.4	< 5	@	9	19.3
76117	22	71.8	< 5	@	< 5	@	< 5	@
76118	15	108.2	< 5	@	< 5	@	< 5	@
76119	159	371.8	15	35.1	< 5	@	7	16.4
76120	44	287.9	< 5	@	0	0.0	5	32.7
76123	59	198.2	< 5	@	7	23.5	< 5	@
76126	13	67.0	0	0.0	< 5	@	5	25.8
76127	0	0.0	< 5	@	0	0.0	0	0.0
76131	13	45.8	< 5	@	< 5	@	< 5	@
76132	37	149.7	< 5	@	< 5	@	< 5	@
76133	96	198.4	5	10.3	0	0.0	5	10.3
76134	76	320.6	< 5	@	< 5	@	5	21.1
76135	13	62.9	< 5	@	< 5	@	6	29.0
76137	38	69.2	5	9.1	5	9.1	< 5	@
76140	77	292.3	11	41.8	6	22.8	6	22.8
76148	12	51.4	0	0.0	6	25.7	< 5	@
76155	< 5	@	< 5	@	0	0.0	0	0.0
76164	14	83.6	< 5	@	< 5	@	< 5	@
76177	< 5	@	0	0.0	0	0.0	0	0.0
76179	26	54.1	< 5	@	5	10.4	10	20.8
76180	20	59.8	< 5	@	< 5	@	12	35.9
76182	< 5	@	0	0.0	6	21.3	< 5	@
76244	16	26.5	< 5	@	10	16.6	9	14.9
76248	10	28.9	0	0.0	< 5	@	12	34.6
76262	< 5	@	0	0.0	< 5	@	< 5	@

Rate per 100,000 population

Less than five cases not reported to protect confidentiality; @ = rate not calculated for less than five cases

Rates based on less than 20 cases are considered unstable and should be interpreted with caution.

Data source: Tarrant County Public Health

**Table 9e. Selected communicable diseases by ZIP code, Tarrant County, 2012**

ZIP Code	Shigellosis		<i>S. pneumoniae, inv.</i>		West Nile Fever		Varicella	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
75050	0	0.0	< 5	@	0	0.0	0	0.0
75051	0	0.0	0	0.0	0	0.0	0	0.0
75052	0	0.0	0	0.0	< 5	@	< 5	@
75054	< 5	@	0	0.0	0	0.0	< 5	@
76001	0	0.0	< 5	@	5	16.4	< 5	@
76002	0	0.0	< 5	@	< 5	@	< 5	@
76006	< 5	@	< 5	@	< 5	@	0	0.0
76008	0	0.0	0	0.0	0	0.0	< 5	@
76010	0	0.0	< 5	@	0	0.0	< 5	@
76011	< 5	@	0	0.0	< 5	@	0	0.0
76012	0	0.0	< 5	@	< 5	@	< 5	@
76013	0	0.0	0	0.0	< 5	@	< 5	@
76014	< 5	@	< 5	@	0	0.0	< 5	@
76015	0	0.0	0	0.0	< 5	@	< 5	@
76016	6	19.4	< 5	@	6	19.4	0	0.0
76017	< 5	@	< 5	@	7	15.7	< 5	@
76018	0	0.0	< 5	@	< 5	@	0	0.0
76020	< 5	@	< 5	@	0	0.0	9	40.4
76021	< 5	@	< 5	@	7	20.8	< 5	@
76022	< 5	@	0	0.0	< 5	@	6	45.4
76028	0	0.0	< 5	@	5	8.4	< 5	@
76034	0	0.0	0	0.0	< 5	@	< 5	@
76036	< 5	@	< 5	@	< 5	@	< 5	@
76039	6	18.2	< 5	@	< 5	@	< 5	@
76040	6	21.8	6	21.8	0	0.0	6	21.8
76051	< 5	@	0	0.0	8	17.3	< 5	@
76052	0	0.0	0	0.0	0	0.0	< 5	@
76053	< 5	@	< 5	@	< 5	@	< 5	@
76054	0	0.0	< 5	@	< 5	@	< 5	@
76060	0	0.0	< 5	@	< 5	@	< 5	@
76063	10	16.3	9	14.7	9	14.7	6	9.8
76092	< 5	@	< 5	@	7	26.2	< 5	@
76102	0	0.0	< 5	@	< 5	@	0	0.0
76103	< 5	@	< 5	@	< 5	@	< 5	@
76104	< 5	@	5	28.7	< 5	@	0	0.0

Rate per 100,000 population

Less than five cases not reported to protect confidentiality; @ = rate not calculated for less than five cases

Rates based on less than 20 cases are considered unstable and should be interpreted with caution.

Data source: Tarrant County Public Health

**Table 9f. Selected communicable diseases by ZIP code, Tarrant County, 2012**

ZIP Code	Shigellosis		<i>S. pneumoniae</i> , inv.		West Nile Fever		Varicella	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
76105	0	0.0	< 5	@	< 5	@	< 5	@
76106	< 5	@	< 5	@	0	0.0	< 5	@
76107	< 5	@	< 5	@	< 5	@	< 5	@
76108	5	13.1	< 5	@	0	0.0	6	15.7
76109	0	0.0	< 5	@	5	23.0	0	0.0
76110	< 5	@	< 5	@	< 5	@	< 5	@
76111	0	0.0	< 5	@	< 5	@	< 5	@
76112	< 5	@	9	23.1	< 5	@	< 5	@
76114	0	0.0	< 5	@	< 5	@	< 5	@
76115	0	0.0	< 5	@	< 5	@	< 5	@
76116	< 5	@	11	23.5	6	12.8	6	12.8
76117	< 5	@	< 5	@	5	16.3	< 5	@
76118	0	0.0	< 5	@	< 5	@	6	43.3
76119	< 5	@	5	11.7	< 5	@	7	16.4
76120	< 5	@	0	0.0	0	0.0	0	0.0
76123	< 5	@	0	0.0	< 5	@	< 5	@
76126	0	0.0	< 5	@	< 5	@	< 5	@
76127	0	0.0	0	0.0	0	0.0	0	0.0
76131	6	21.1	< 5	@	< 5	@	< 5	@
76132	< 5	@	< 5	@	0	0.0	< 5	@
76133	< 5	@	< 5	@	< 5	@	< 5	@
76134	< 5	@	6	25.3	0	0.0	0	0.0
76135	0	0.0	< 5	@	< 5	@	< 5	@
76137	< 5	@	< 5	@	< 5	@	12	21.9
76140	0	0.0	< 5	@	< 5	@	< 5	@
76148	0	0.0	< 5	@	< 5	@	6	25.7
76155	0	0.0	0	0.0	0	0.0	0	0.0
76164	< 5	@	< 5	@	0	0.0	< 5	@
76177	< 5	@	0	0.0	< 5	@	< 5	@
76179	< 5	@	< 5	@	< 5	@	5	10.4
76180	< 5	@	5	15.0	6	17.9	6	17.9
76182	< 5	@	< 5	@	7	24.8	< 5	@
76244	< 5	@	< 5	@	7	11.6	11	18.2
76248	< 5	@	< 5	@	6	17.3	14	40.4
76262	0	0.0	< 5	@	< 5	@	5	18.1

Rate per 100,000 population

Less than five cases not reported to protect confidentiality; @ = rate not calculated for less than five cases

Rates based on less than 20 cases are considered unstable and should be interpreted with caution.

Data source: Tarrant County Public Health

## Disease Specific Information and Definitions

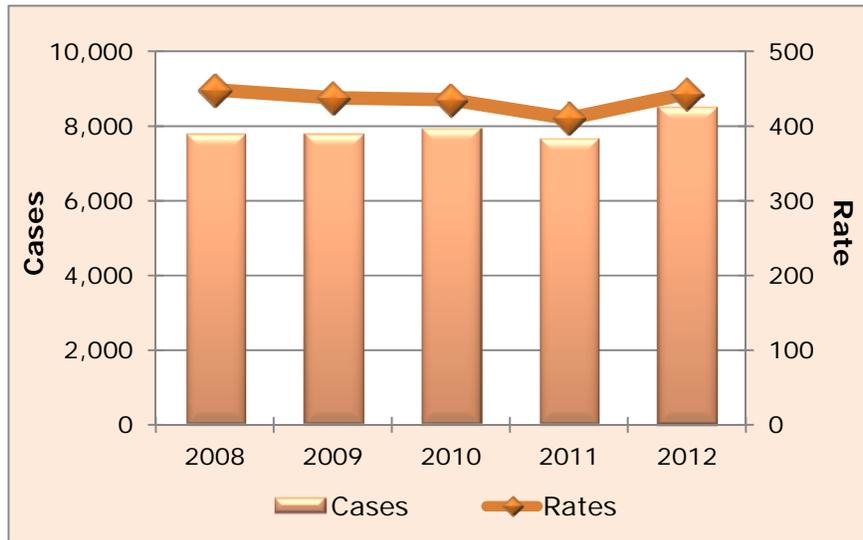
The remainder of this report focuses on disease specific information and demographic details for the 10 leading communicable diseases overall for Tarrant County in 2012. Information pertaining to causative agent, signs and symptoms, modes of transmission, incubation period and period of communicability was obtained from *Control of Communicable Diseases Manual*, 19<sup>th</sup> Edition (2008), as well as the Centers for Disease Control and Prevention ([www.cdc.gov](http://www.cdc.gov)). Definitions and use for the formerly stated terms are as follows:

- **Causative Agent:** bacteria, virus, parasite, fungus or prion which can cause disease state
- **Signs/Symptoms:** physical manifestations which may result from infection with a causative agent
- **Mode(s) of Transmission:** mechanisms by which the causative agent spreads among human populations
- **Incubation Period:** time interval from infection with a causative agent until the demonstration of signs or symptoms
- **Period of Communicability:** time period during which a causative agent may be transmitted directly or indirectly from a person to another person

# 1. Chlamydia

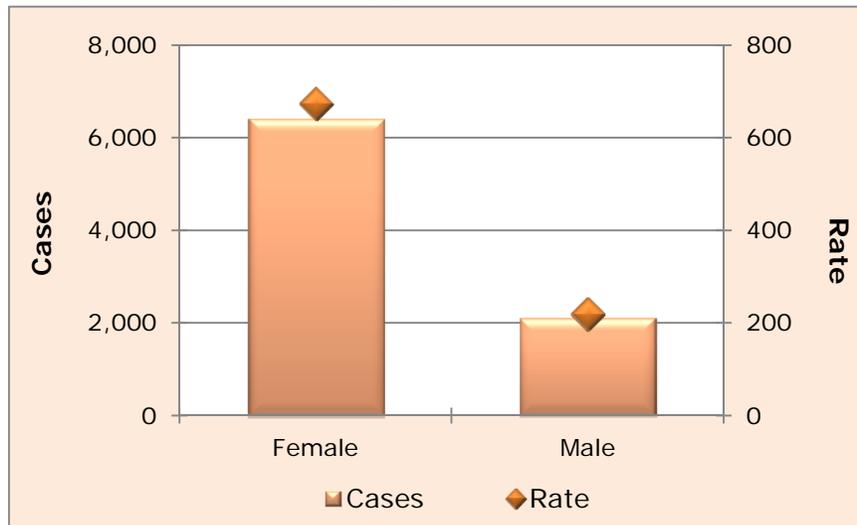
- **Causative Agent:** (bacterial) *Chlamydia trachomatis*
- **Signs/Symptoms:** Men - discharge, urethral itching, burning urination; 1-25% of infected men do not exhibit symptoms. Women - discharge with swelling; up to 70% of infected women do not exhibit symptoms. Infants born to infected women may develop eye or pneumonic infections. Complications for both men and women include infertility and for women, increased risk of HIV infection.
- **Mode(s) of Transmission:** Perinatally or sexually transmitted infection
- **Incubation Period:** 7-14 days or longer
- **Period of Communicability:** Infected individuals are assumed to be infectious.

**Figure 1. Chlamydia, Tarrant County, 2008-2012**



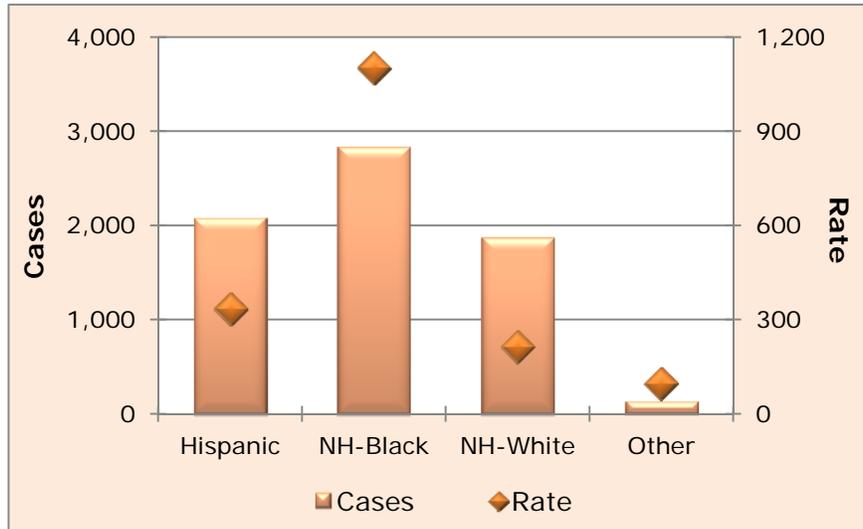
Rate per 100,000 population  
Data Source: Tarrant County Public Health

**Figure 2. Chlamydia by gender, Tarrant County, 2012**



Rate per 100,000 population  
Data Source: Tarrant County Public Health

**Figure 3. Chlamydia by race/ethnicity, Tarrant County, 2012**



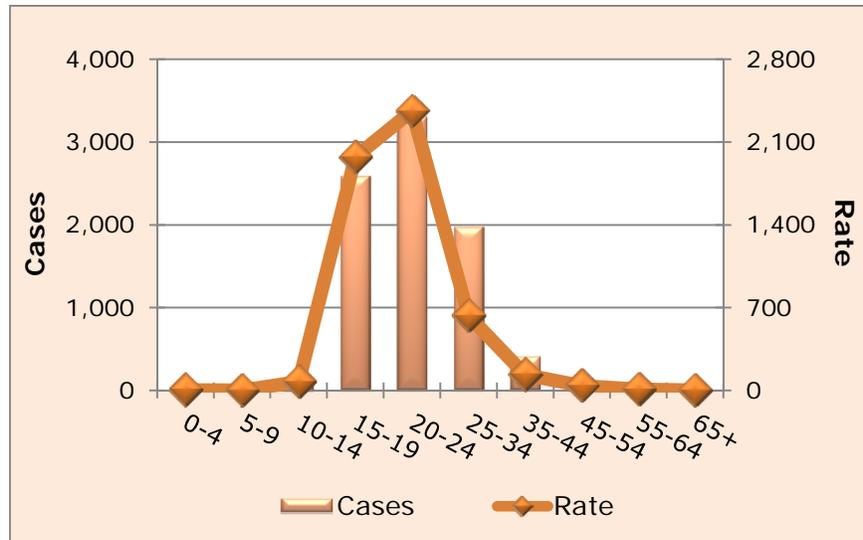
Rate per 100,000 population

NH = Non-Hispanic

Note: Race/ethnicity data are missing for 19% of chlamydia cases therefore results should be interpreted with caution

Data Source: Tarrant County Public Health

**Figure 4. Chlamydia by age group (in years), Tarrant County, 2012**

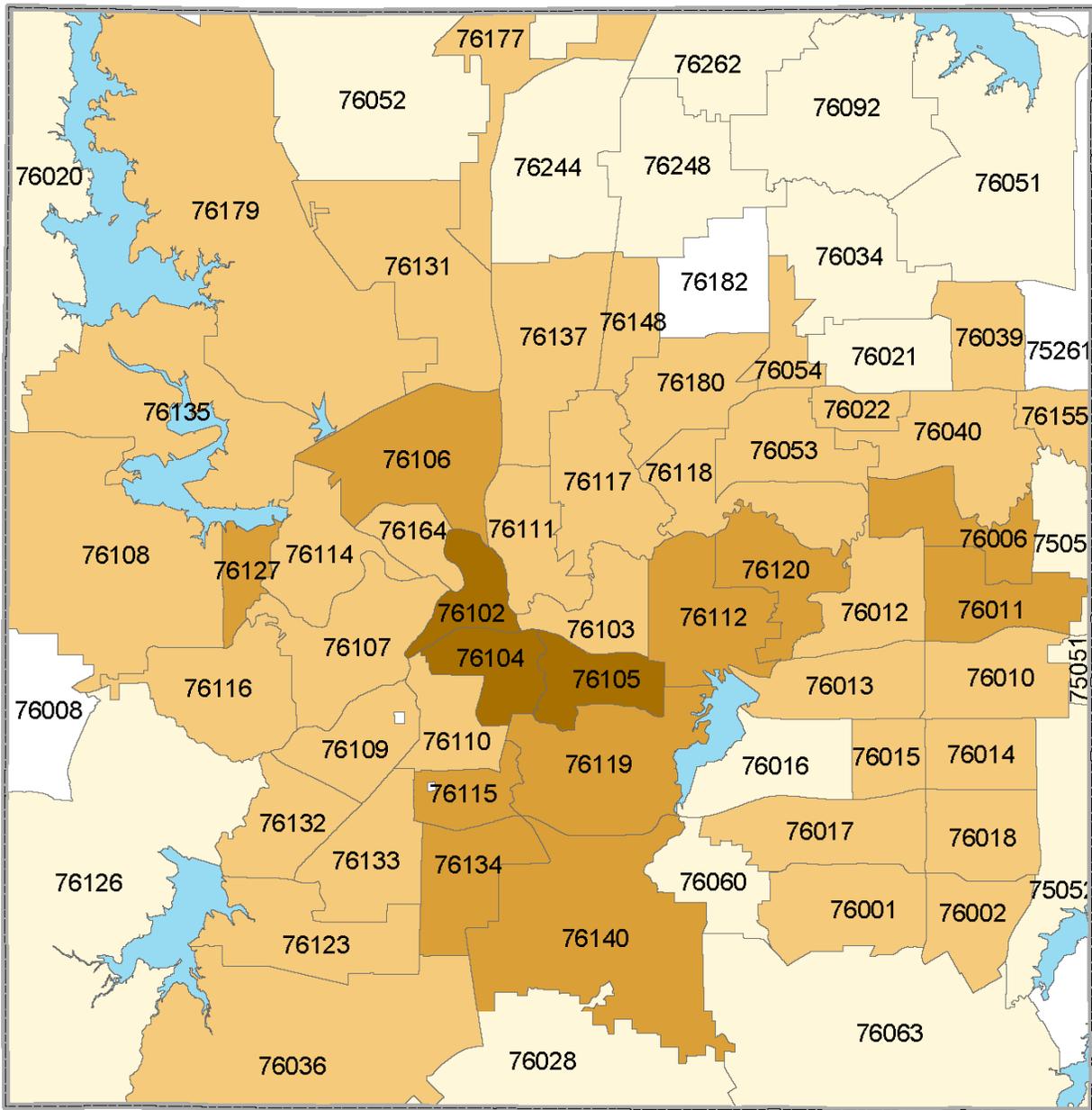


Rate per 100,000 population

The numerator was too small for rate calculation for the 5-9 and 65+ year age groups.

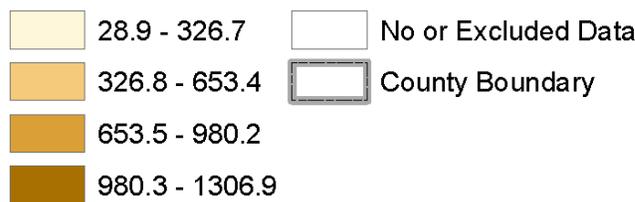
Data Source: Tarrant County Public Health

**Figure 5. Geographic distribution of chlamydia by ZIP code, Tarrant County, 2012**



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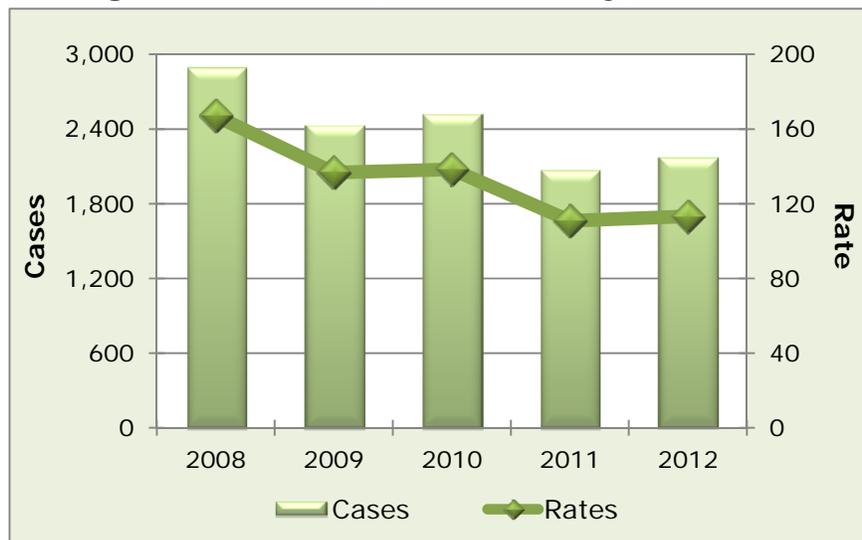
**Rate per 100,000**



## 2. Gonorrhea

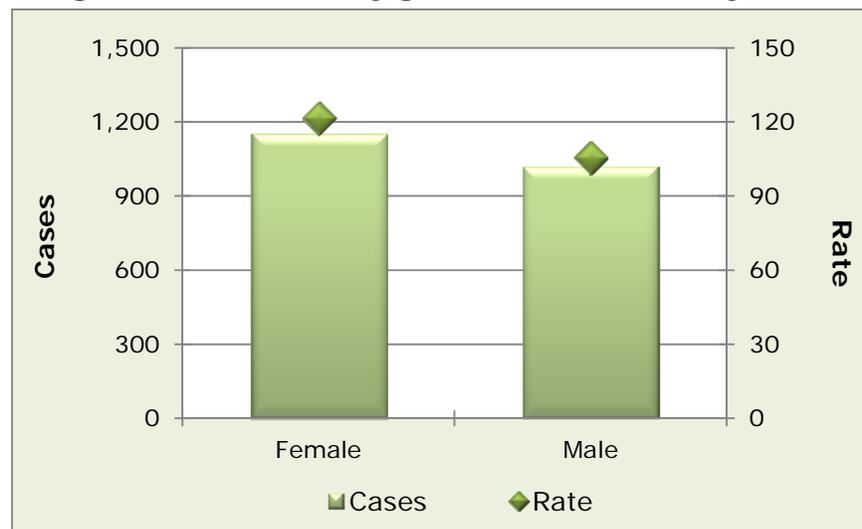
- **Causative Agent:** (bacterial) *Neisseria gonorrhoeae*
- **Signs/Symptoms:** Men - discharge, urethral itching, burning urination; very few of infected men do not exhibit symptoms. Women - discharge and vaginal bleeding after intercourse; most women do not exhibit symptoms. Infants born to infected women may develop eye infections.
- **Mode(s) of Transmission:** Perinatally or sexually transmitted infection
- **Incubation Period:** 1-14 days or longer
- **Period of Communicability:** Infected individuals are assumed to be infectious.

Figure 6. Gonorrhea, Tarrant County, 2008-2012



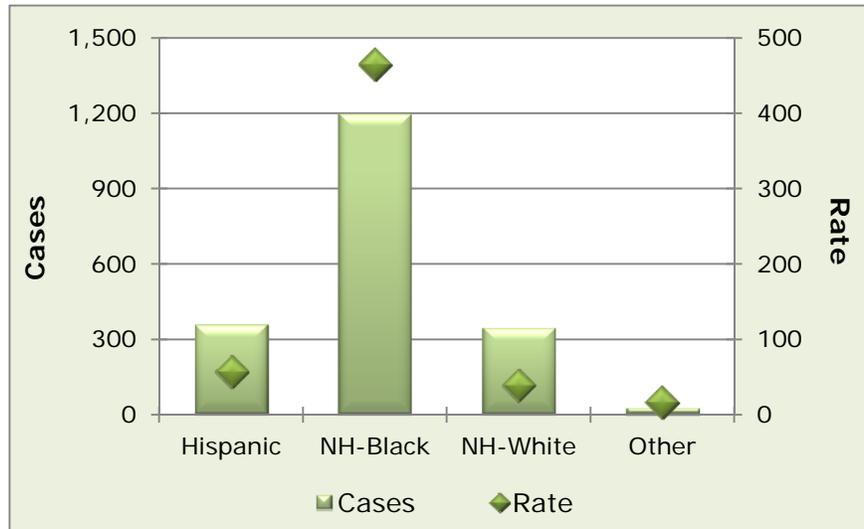
Rate per 100,000 population  
Data source: Tarrant County Public Health

Figure 7. Gonorrhea by gender, Tarrant County, 2012



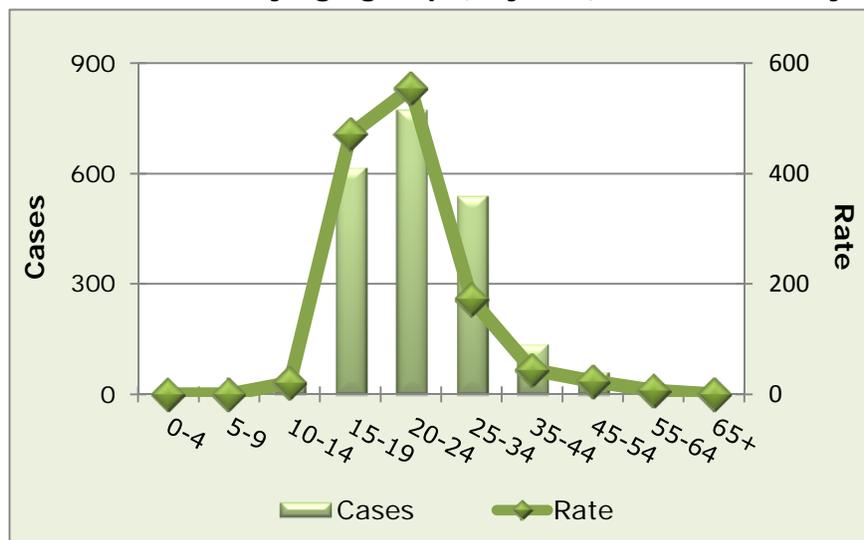
Rate per 100,000 population  
Data source: Tarrant County Public Health

**Figure 8. Gonorrhea by race/ethnicity, Tarrant County, 2012**



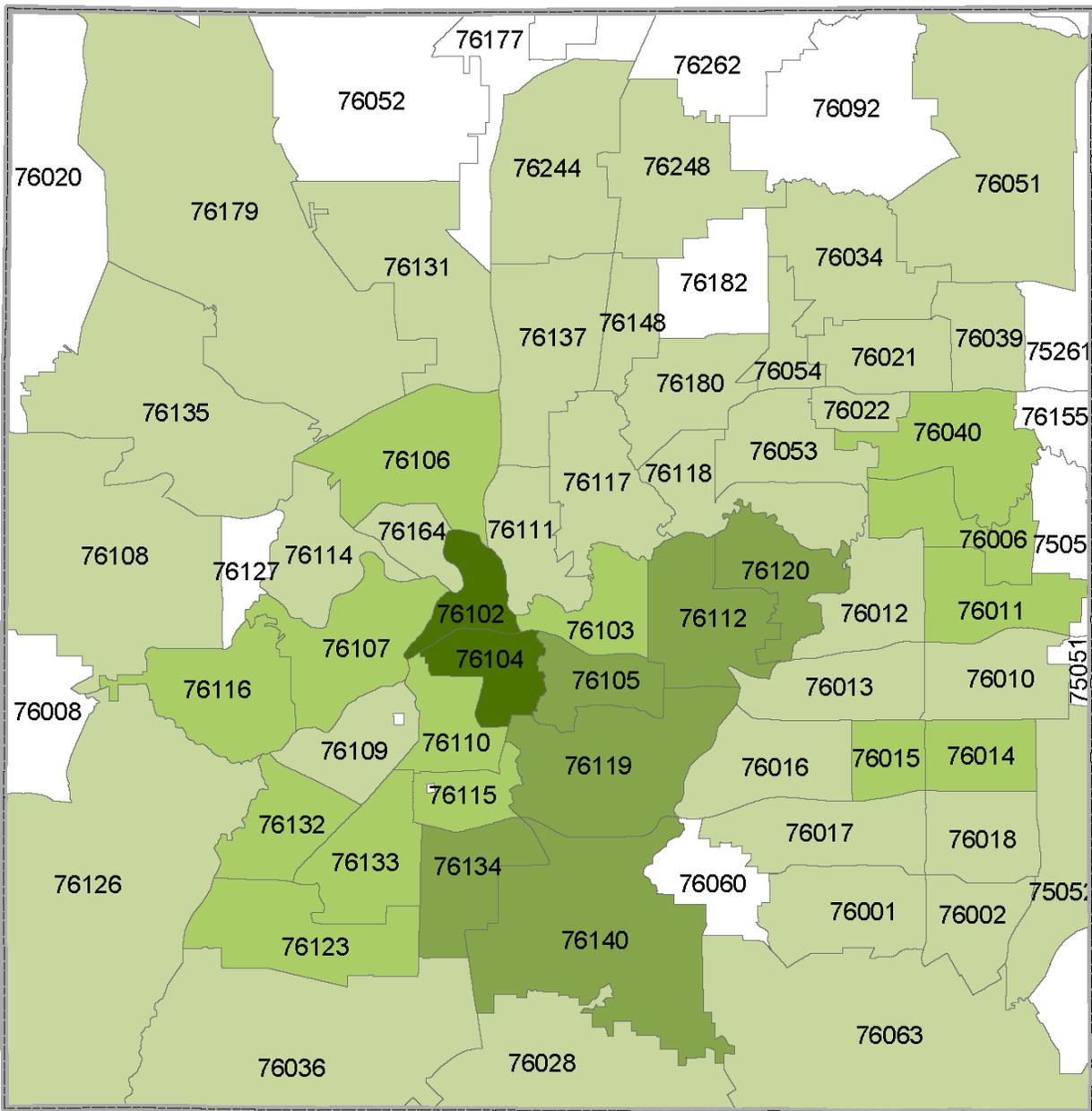
Rate per 100,000 population  
 NH = Non-Hispanic  
 Note: Race/ethnicity data are missing for 12% of gonorrhea cases therefore results should be interpreted with caution  
 Data source: Tarrant County Public Health

**Figure 9. Gonorrhea by age group (in years), Tarrant County, 2012**



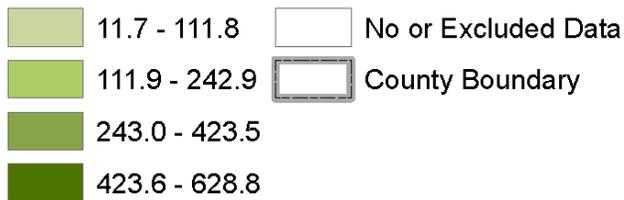
Rate per 100,000 population  
 The numerator was too small for rate calculation for the 0-4 and 65+ year age groups.  
 No cases were reported in the 5-9 year age group.  
 Data source: Tarrant County Public Health

**Figure 10. Geographic distribution of gonorrhea by ZIP Code, Tarrant County, 2012**



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**Rate per 100,000**



### 3. Salmonellosis

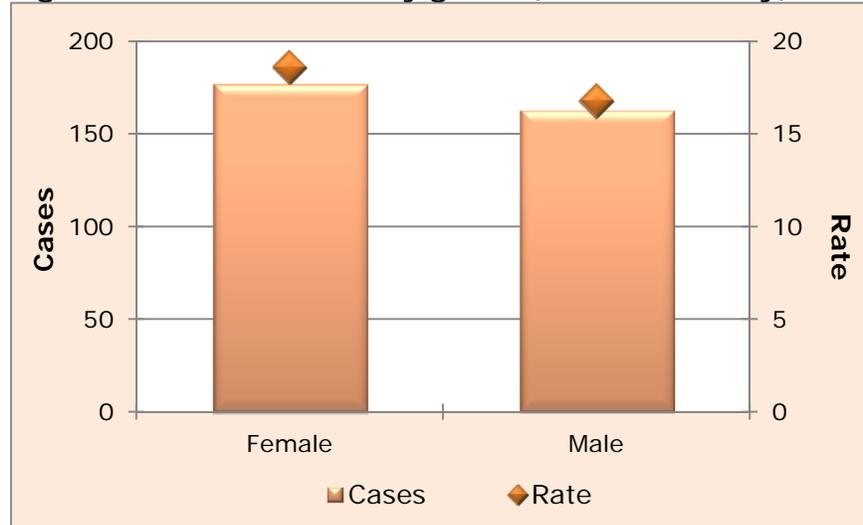
- **Causative Agent:** (bacterial) *Salmonella* species
- **Signs/Symptoms:** Fever, headache, abdominal pain, diarrhea, possibly vomiting. Some people do not present with any symptoms.
- **Mode(s) of Transmission:** Ingestion of the bacteria in food derived from infected animals or contaminated by feces of an infected animal or person.
- **Incubation Period:** 6 hours to 5 days, usually 1-2 days
- **Period of Communicability:** While signs/symptoms are present; those infected may carry and transmit the bacteria for weeks up to a year after becoming infected.

Figure 11. Salmonellosis, Tarrant County, 2008-2012



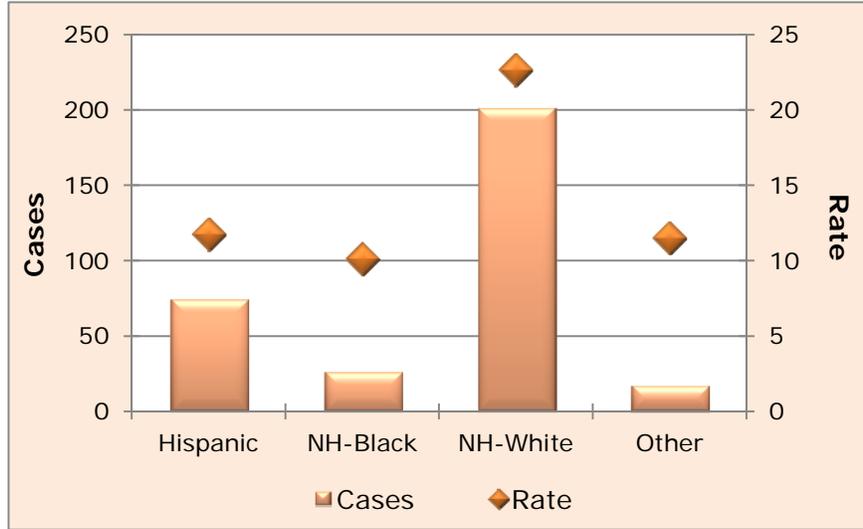
Rate per 100,000 population  
Data source: Tarrant County Public Health

Figure 12. Salmonellosis by gender, Tarrant County, 2012



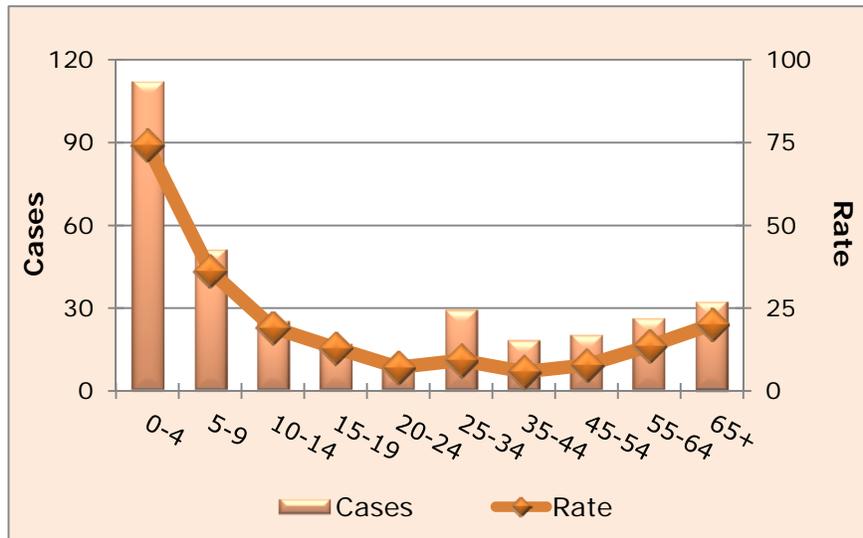
Rate per 100,000 population  
Data source: Tarrant County Public Health

**Figure 13. Salmonellosis by race/ethnicity, Tarrant County, 2012**



Rate per 100,000 population  
 NH = Non-Hispanic  
 Data Source: Tarrant County Public Health

**Figure 14. Salmonellosis by age group (in years), Tarrant County, 2012**



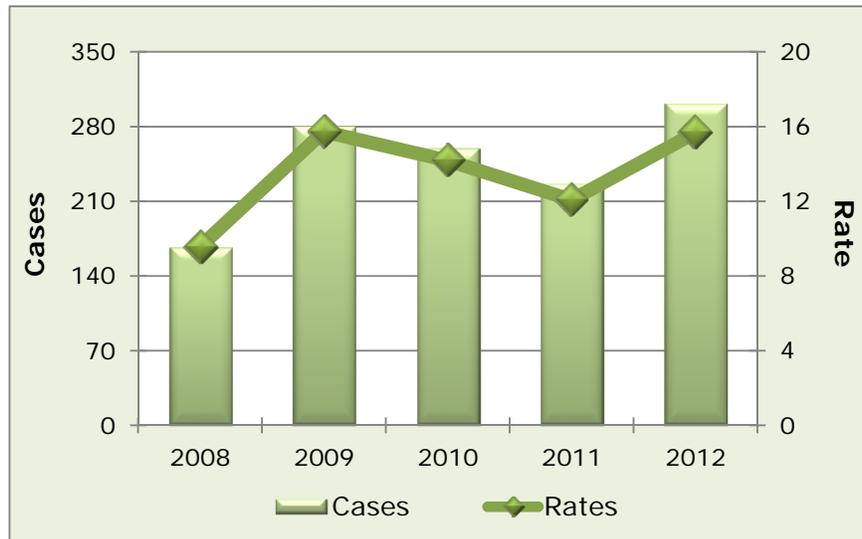
Rate per 100,000 population  
 Data source: Tarrant County Public Health



## 4. Early Syphilis

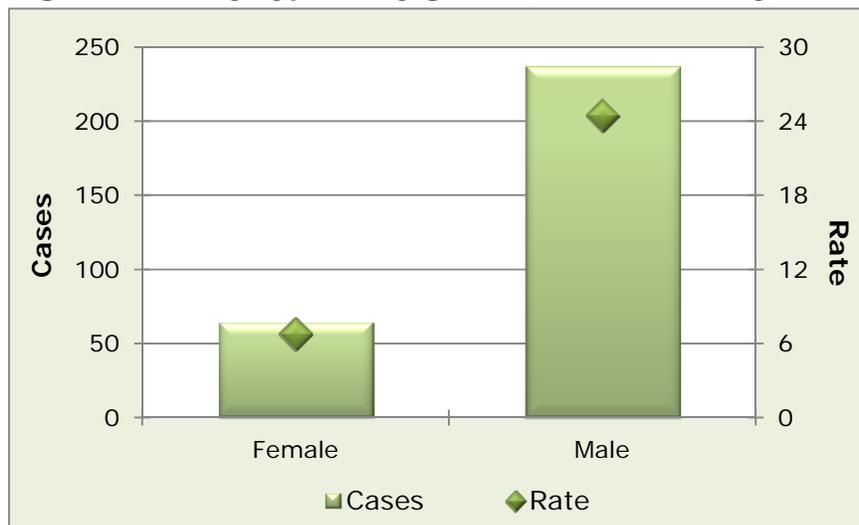
- **Causative Agent:** (bacterial) *Treponema pallidum*
- **Signs/Symptoms:** Primary lesion which may or may not be visible appearing approximately 3 weeks after infection followed by a secondary disease phase lasting 2 weeks to 12 months characterized by a rash on the palms of the hands and soles of the feet. Untreated individuals will proceed to a tertiary phase considered late syphilis which may involve reoccurring lesions, central nervous system disease and meningitis. Infants born to infected women may die due to preterm birth and/ or low birthweight.
- **Mode(s) of Transmission:** Perinatally, sexually or blood transmitted infection
- **Incubation Period:** 10 days to 3 months, usually 3 weeks
- **Period of Communicability:** Period involving lesions, typically within the first year of infection.

**Figure 16. Early syphilis, Tarrant County, 2008-2012**



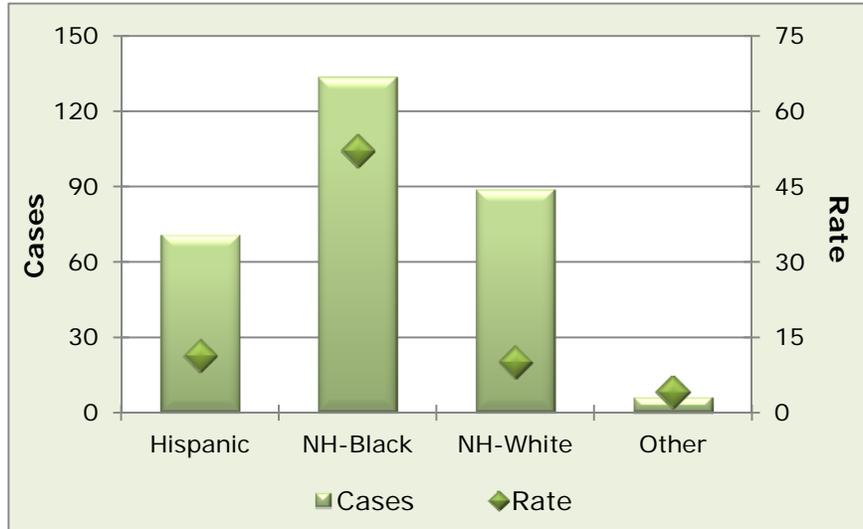
Rate per 100,000 population  
Data source: Tarrant County Public Health

**Figure 17. Early syphilis by gender, Tarrant County, 2012**



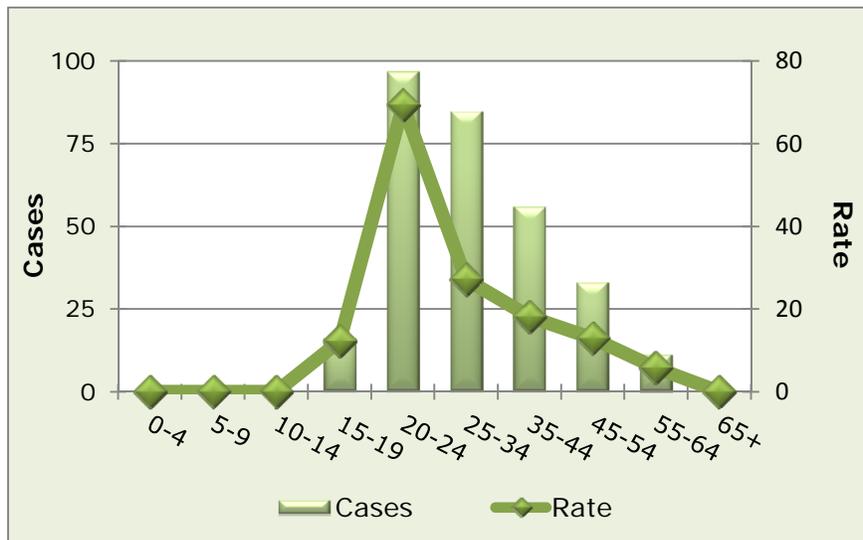
Rate per 100,000 population  
Data source: Tarrant County Public Health

**Figure 18. Early syphilis by race/ethnicity, Tarrant County, 2012**



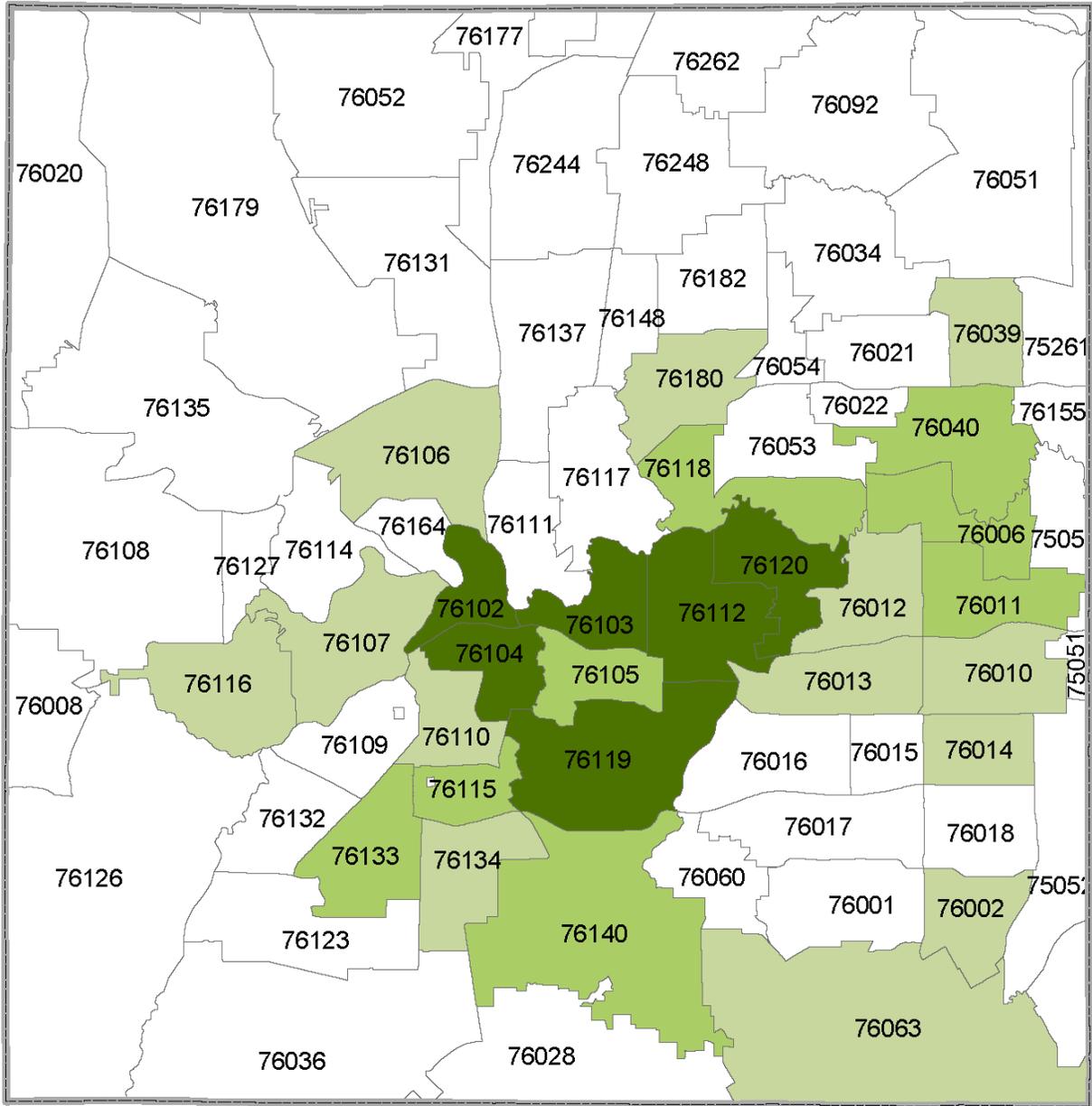
Rate per 100,000 population  
 NH = Non-Hispanic  
 Data source: Tarrant County Public Health

**Figure 19. Early syphilis by age group (in years), Tarrant County, 2012**



Rate per 100,000 population  
 The numerator was too small for rate calculation for the 10-14 and 65+ year age groups.  
 No cases were reported in the 0-4 and 5-9 year age groups.  
 Data source: Tarrant County Public Health

**Figure 20. Geographic distribution of early syphilis by ZIP code, Tarrant County, 2012**



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**Rate per 100,000**

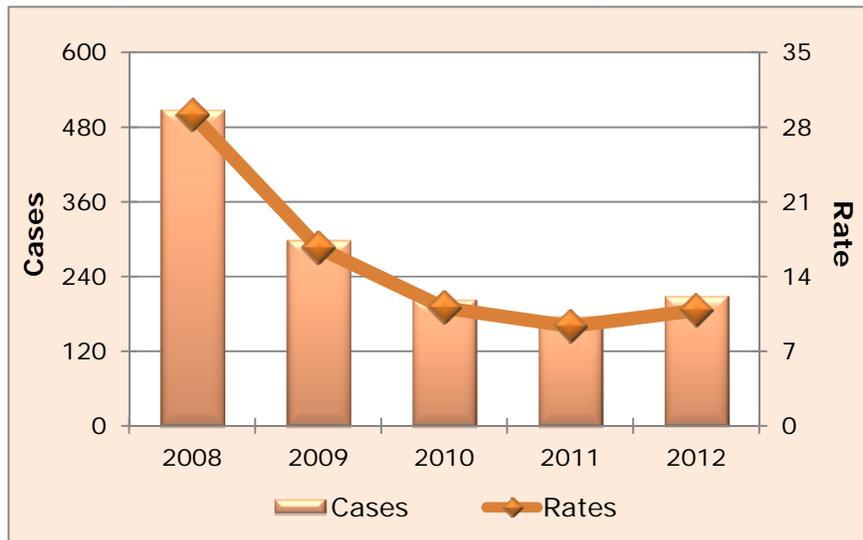
- 13.0 - 23.8
- 25.4 - 47.5
- 53.8 - 72.0
- No or Excluded Data
- County Boundary



## 5. Varicella (Chickenpox)

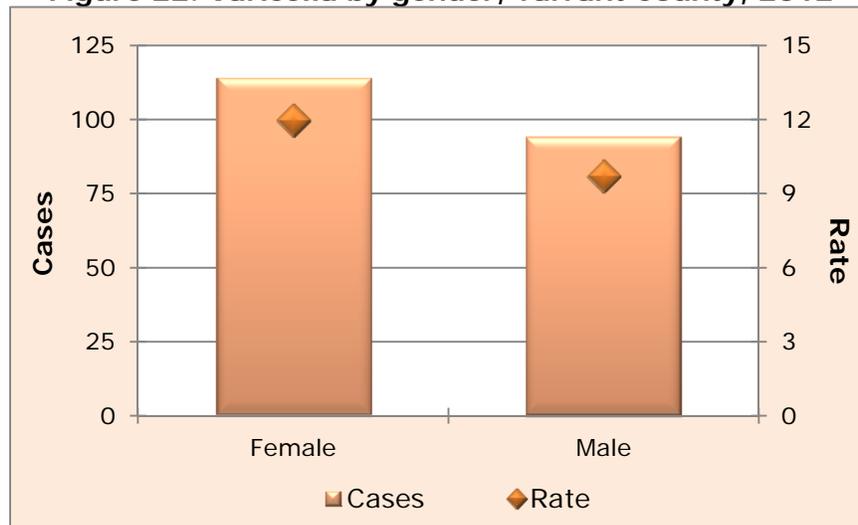
- **Causative Agent:** (viral) Varicella-zoster virus
- **Signs/Symptoms:** In unvaccinated individuals, fever and rash initially presenting as red bumps progressing to blister-type lesions which may last 3-4 days before drying. Rash and lesions are typically found in differing stages of development and usually in covered areas of the body; over 200 lesions may be present. In vaccinated individuals exhibiting breakthrough infections, less than 50 non-blister like bumps may appear typically without fever.
- **Mode(s) of Transmission:** Direct contact, droplet, or air borne contact of lesion fluid or respiratory secretions of infected individuals.
- **Incubation Period:** 10-21 days; commonly 14-16 days
- **Period of Communicability:** Up to 5 days, typically 1-2 days before rash onset and continuing until lesions are dry which is typically 5 days.

**Figure 21. Varicella, Tarrant County, 2008-2012**



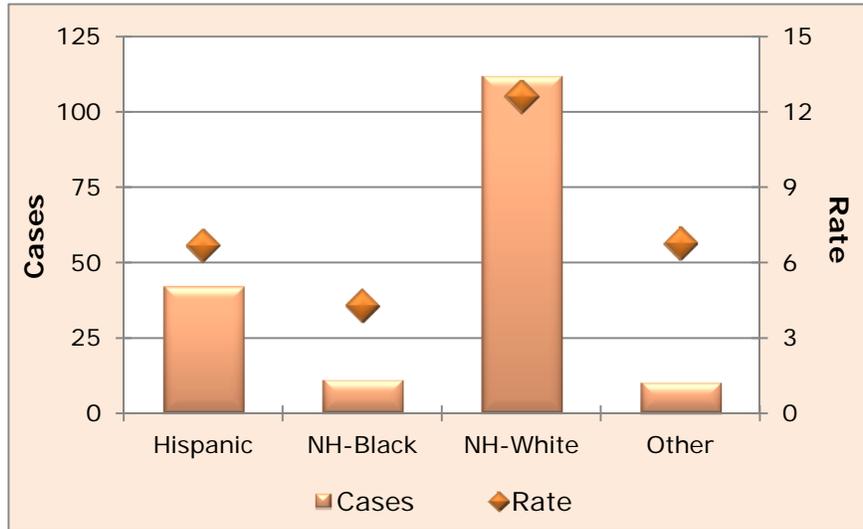
Rate per 100,000 population  
Data source: Tarrant County Public Health

**Figure 22. Varicella by gender, Tarrant County, 2012**



Rate per 100,000 population  
Data source: Tarrant County Public Health

**Figure 23. Varicella by race/ethnicity, Tarrant County, 2012**



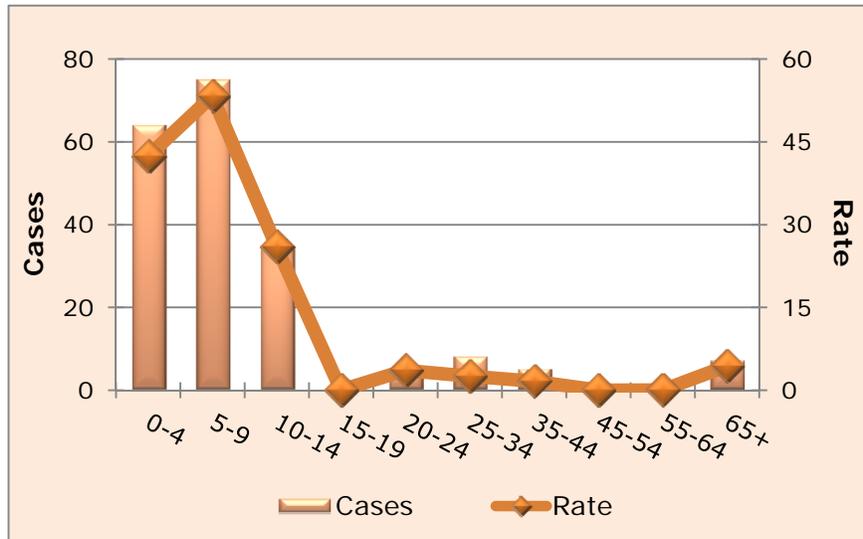
Rate per 100,000 population

NH = Non-Hispanic

Note: Race/ethnicity data are missing for 16% of varicella cases therefore results should be interpreted with caution

Data source: Tarrant County Public Health

**Figure 24. Varicella by age group (in years), Tarrant County, 2012**



Rate per 100,000 population

The numerator was too small for rate calculation for the 15-19, 45-54, and 55-64 year age groups.

Data source: Tarrant County Public Health



## 6. Campylobacteriosis

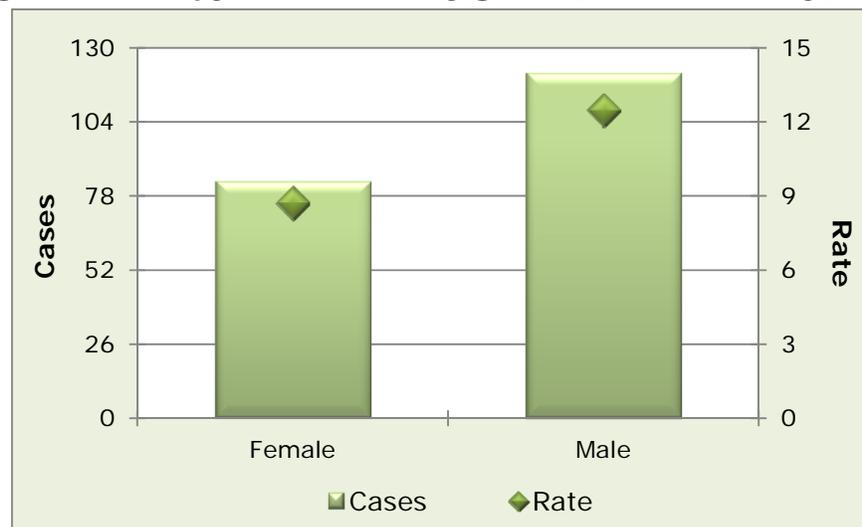
- **Causative Agent:** (bacterial) *Campylobacter* species
- **Signs/Symptoms:** Diarrhea (frequently bloody), fever, abdominal pain, vomiting. Many people do not present with any symptoms.
- **Mode(s) of Transmission:** Ingestion of the bacteria in food derived from infected animals (typically poultry) or food or water contaminated by feces of an infected animal. Contact with infected animals, especially puppies and kittens.
- **Incubation Period:** 1-10 days, usually 2-5 days
- **Period of Communicability:** While signs/symptoms are present; those infected may carry and transmit the bacteria for 2-7 weeks after becoming infected.

**Figure 26. Campylobacteriosis, Tarrant County, 2008-2012**



Rate per 100,000 population  
Data source: Tarrant County Public Health

**Figure 27. Campylobacteriosis by gender, Tarrant County, 2012**



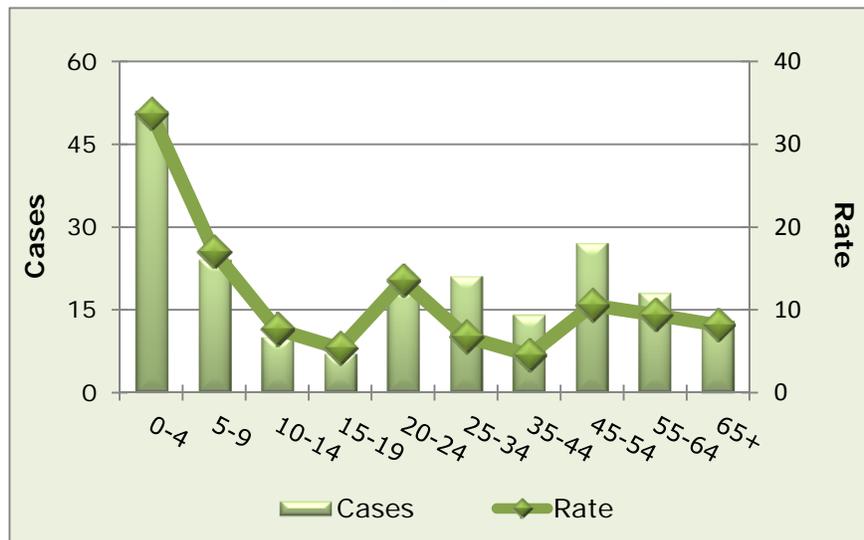
Rate per 100,000 population  
Data Source: Tarrant County Public Health

**Figure 28. Campylobacteriosis by race/ethnicity, Tarrant County, 2012**



Rate per 100,000 population  
 NH = Non-Hispanic  
 Data Source: Tarrant County Public Health

**Figure 29. Campylobacteriosis by age group (in years), Tarrant County, 2012**



Rate per 100,000 population  
 Data source: Tarrant County Public Health



## 7. HIV

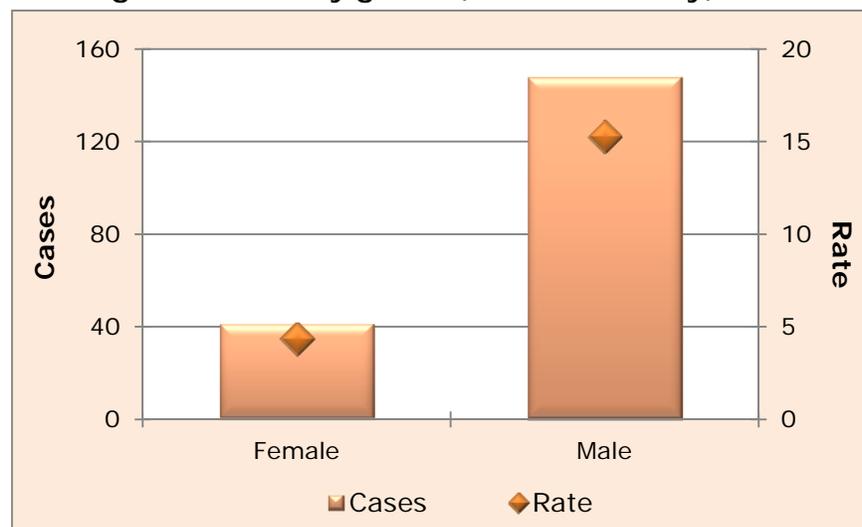
- **Causative Agent:** (viral) Human Immunodeficiency Virus
- **Signs/Symptoms:** Several weeks after infection flu-like symptoms of chills, body aches, fatigue and possibly fever lasting 1-2 weeks. Symptoms may not appear again for possibly years and may involve infections and cancers resulting from HIV induced immune deficiencies. HIV infection will result in AIDS in over 90% of individuals.
- **Mode(s) of Transmission:** Perinatally, sexually or blood transmitted infection; breastfeeding may also transmit the infection.
- **Incubation Period:** Variable
- **Period of Communicability:** Begins early after infection; risk of transmission most likely highest within the first few months after infection.

**Figure 31. HIV, Tarrant County, 2008-2012**



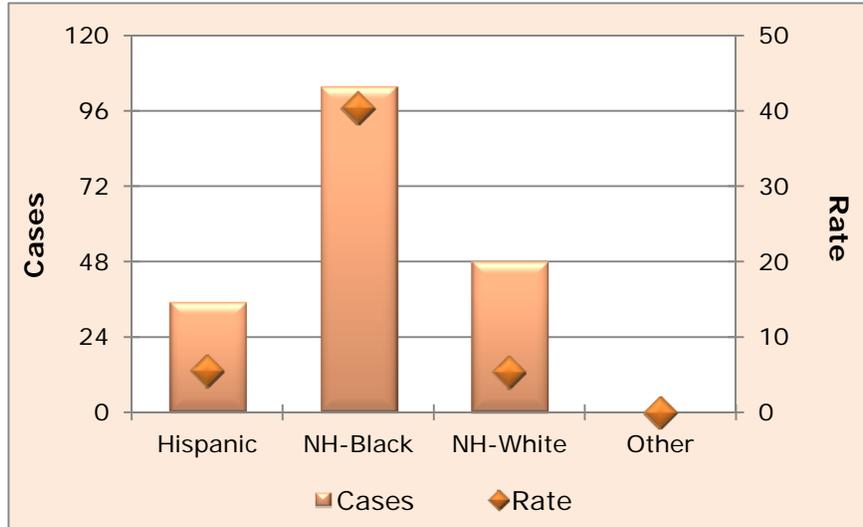
Rate per 100,000 populations  
Data source: Tarrant County Public Health

**Figure 32. HIV by gender, Tarrant County, 2012**



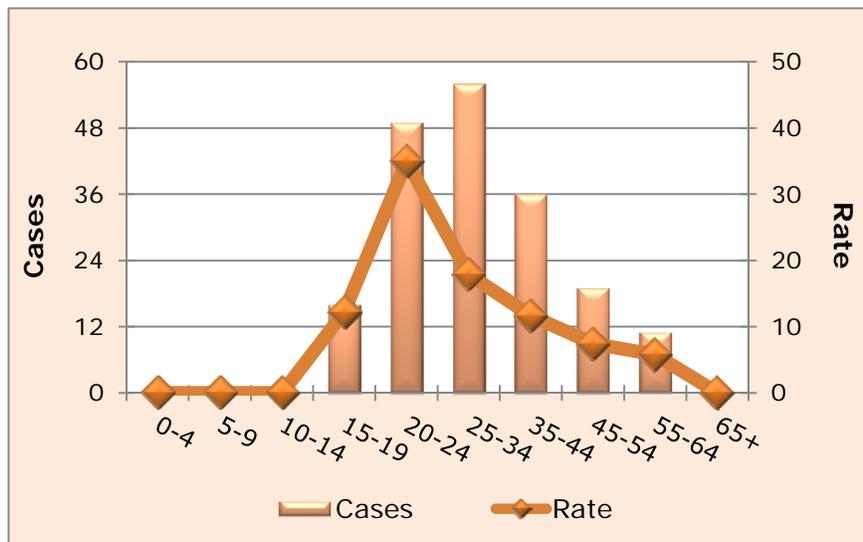
Rate per 100,000 population  
Data source: Tarrant County Public Health

**Figure 33. HIV by race/ethnicity, Tarrant County, 2012**



Rate per 100,000 population  
 NH = Non-Hispanic  
 The numerator was too small for rate calculation for Other race/ethnicity group.  
 Data source: Tarrant County Public Health

**Figure 34. HIV by age group (in years), Tarrant County, 2012**



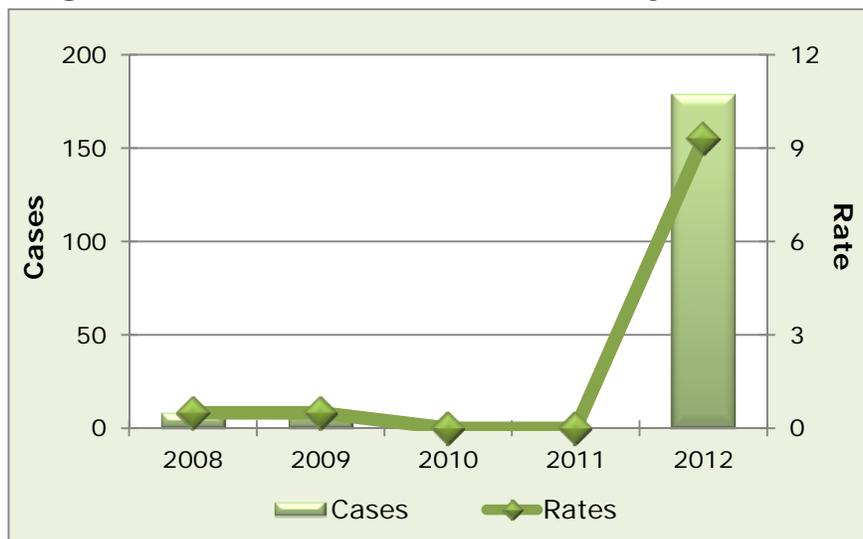
Rate per 100,000 population  
 The numerator was too small for rate calculation for the 0-4 and 65+ year age groups.  
 No cases were reported in the 5-9 and 10-14 year age groups.  
 Data source: Tarrant County Public Health



## 8. West Nile Fever

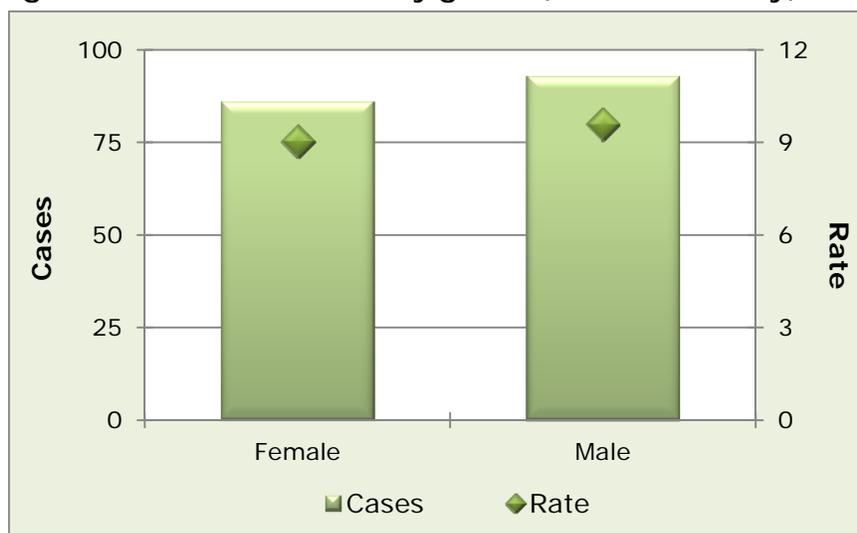
- **Causative Agent:** (viral) West Nile Virus
- **Signs/Symptoms:** Fever, headache, body aches, joint pains, vomiting, diarrhea, or rash. 70-80% of infected persons will not develop any symptoms.
- **Mode(s) of Transmission:** Bite of an infected mosquito; In rare cases has been spread through blood transfusions, organ transplants, and from mother to baby during pregnancy, delivery, or breastfeeding.
- **Incubation Period:** 2-14 days, usually 2-6 days
- **Period of Communicability:** No direct person-to-person transmission; Infected mosquitos probably transmit virus throughout life. Humans cannot pass the virus on to other biting mosquitoes.

Figure 36. West Nile fever, Tarrant County, 2008-2012



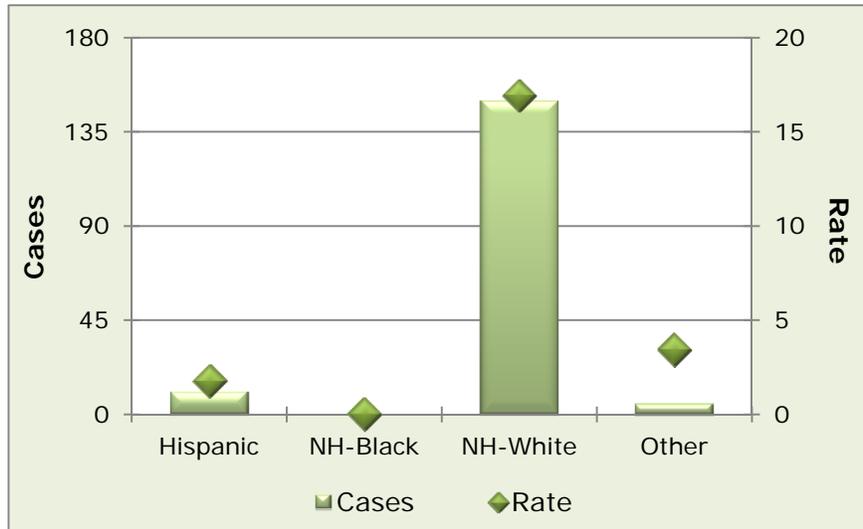
Rate per 100,000 population  
Data source: Tarrant County Public Health

Figure 37. West Nile fever by gender, Tarrant County, 2012



Rate per 100,000 population  
Data source: Tarrant County Public Health

**Figure 38. West Nile fever by race/ethnicity, Tarrant County, 2012**



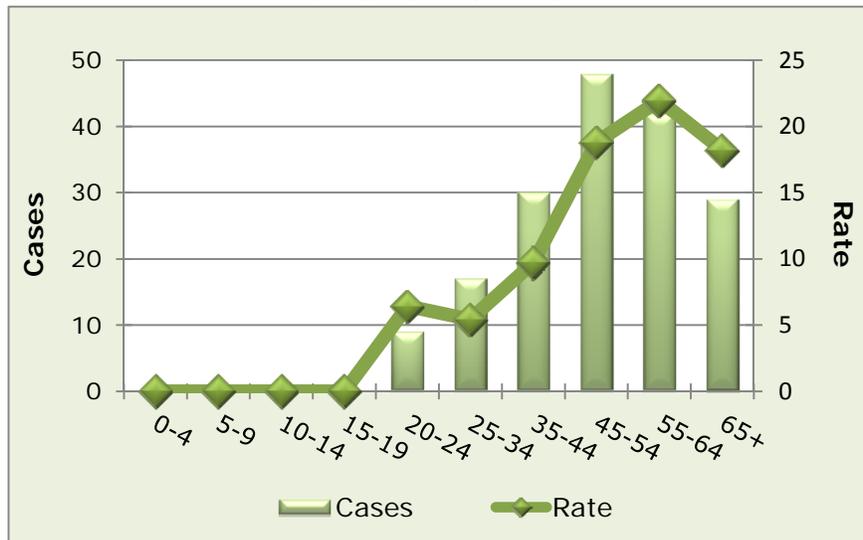
Rate per 100,000 population

NH = Non-Hispanic

The numerator was too small for rate calculation for the Non-Hispanic Black race/ethnicity group.

Data source: Tarrant County Public Health

**Figure 39. West Nile fever by age group (in years), Tarrant County, 2012**



Rate per 100,000 population

The numerator was too small for rate calculation for the 10-14 year and 15-19 year age groups.

No cases were reported in the 0-4 year and 5-9 year age groups.

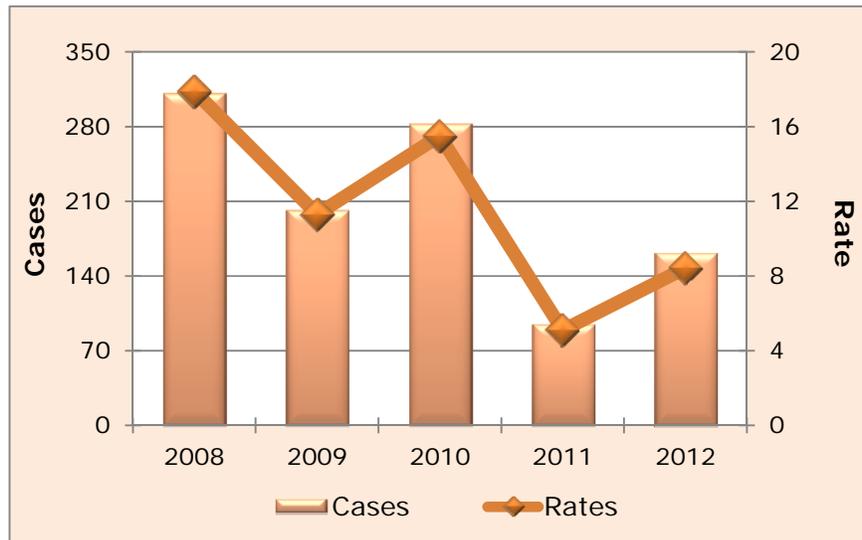
Data source: Tarrant County Public Health



## 9. Pertussis (Whooping Cough)

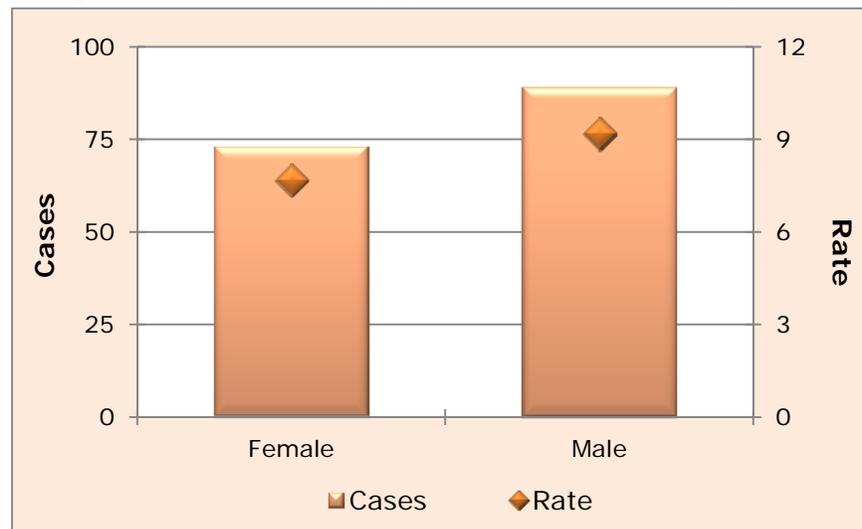
- **Causative Agent:** (bacterial) *Bordetella pertussis*
- **Signs/Symptoms:** Early symptoms are cold-like and include runny nose, low-grade fever, with an occasional mild cough. After 1 to 2 weeks, severe coughing can begin and continue for weeks. Coughing can be violent and rapid until the air is gone from the lungs and the person is forced to inhale with a loud “whooping” sound.
- **Mode(s) of Transmission:** Direct contact with discharges from respiratory mucous membranes of infected persons by the airborne route, usually via droplets.
- **Incubation Period:** 6-20 days, average 9-10 days
- **Period of Communicability:** Highly communicable during the early phase of illness (first 2 weeks); Communicability decreases in about 3 weeks, despite persisting cough.

**Figure 41. Pertussis, Tarrant County, 2008-2012**



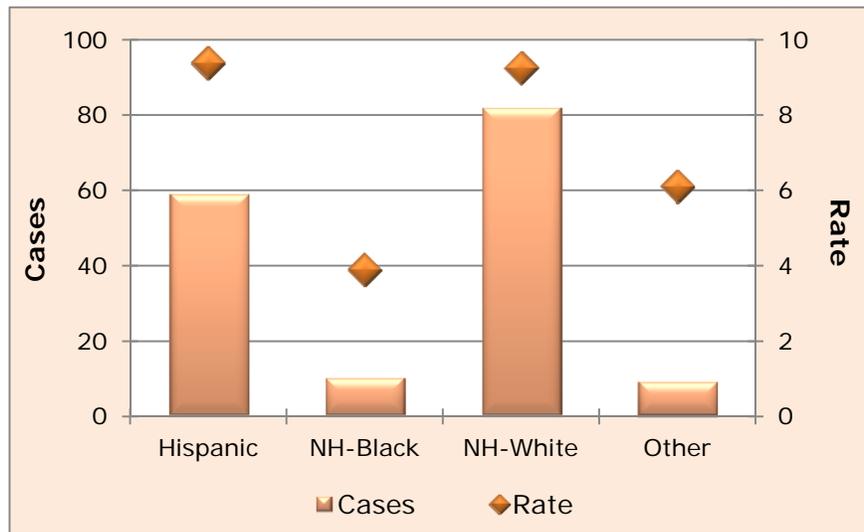
Rate per 100,000 population  
Data source: Tarrant County Public Health

**Figure 42. Pertussis by gender, Tarrant County, 2012**



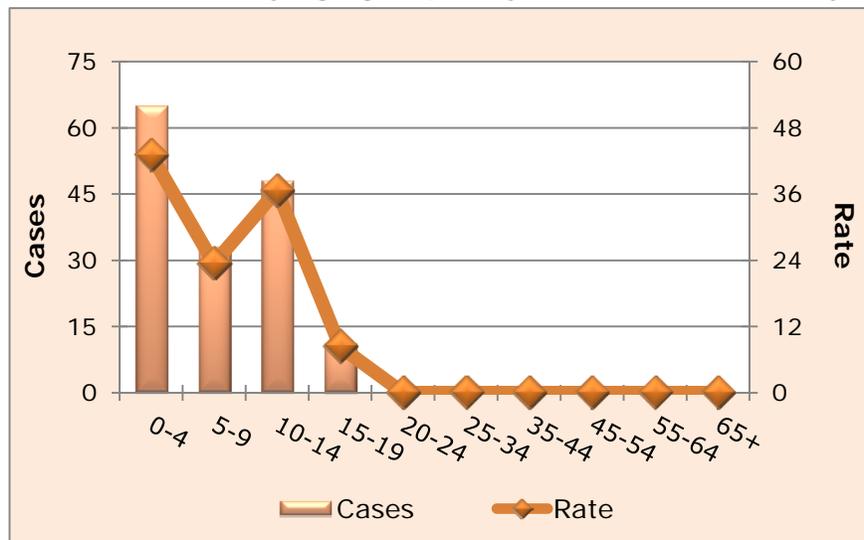
Rate per 100,000 population  
Data source: Tarrant County Public Health

**Figure 43. Pertussis by race/ethnicity, Tarrant County, 2012**



Rate per 100,000 population  
 NH = Non-Hispanic  
 Data source: Tarrant County Public Health

**Figure 44. Pertussis by age group (in years), Tarrant County, 2012**



Rate per 100,000 population  
 The numerator was too small for rate calculation of the 20-24 year, 35-44 year, 45-54 year, and 55-64 year age groups.  
 No cases were reported among the 25-34 year and 65+ year age groups.  
 Data source: Tarrant County Public Health

**Figure 45. Geographic distribution of pertussis by ZIP Code, Tarrant County, 2012**



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**Rate per 100,000**

- 9.1 - 13.6
- No or Excluded Data
- 16.6 - 27.2
- County Boundary



## 10. *Streptococcus pneumoniae* (invasive)

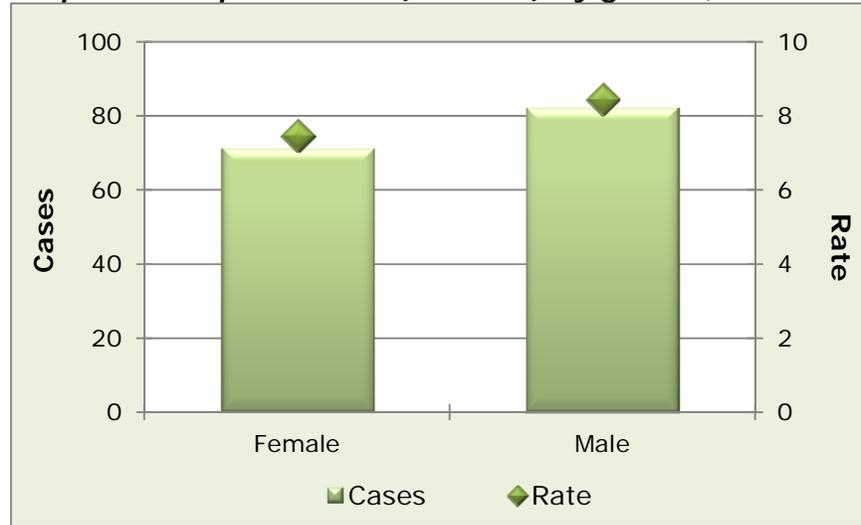
- **Causative Agent:** (bacterial) *Streptococcus pneumoniae*
- **Signs/Symptoms:** Bacterial infection of the blood, cerebral spinal fluid, or other normally sterile body fluid which may have originated from an infection ranging from a mild ear infection to severe pneumonia. Many people carry these bacteria in their nose and throat, not presenting with signs or symptoms.
- **Mode(s) of Transmission:** Contact with respiratory droplets of infected individuals.
- **Incubation Period:** 1-3 days
- **Period of Communicability:** 10-21 days

Figure 46. *Streptococcus pneumoniae* (invasive), Tarrant County, 2008-2012



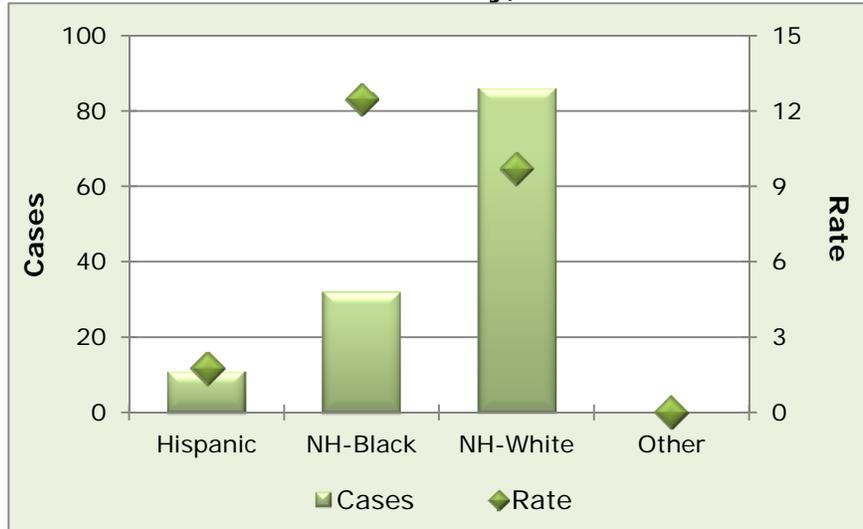
Rate per 100,000 population  
Data source: Tarrant County Public Health

Figure 47. *Streptococcus pneumoniae* (invasive) by gender, Tarrant County, 2012



Rate per 100,000 population  
Data source: Tarrant County Public Health

**Figure 48. *Streptococcus pneumoniae* (invasive) by race/ethnicity, Tarrant County, 2012**



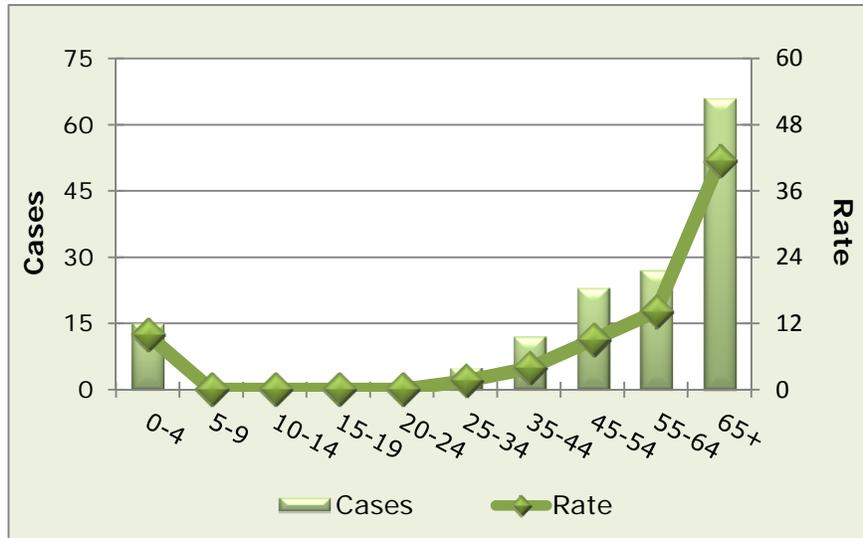
Rate per 100,000 population

NH = Non-Hispanic

The numerator was too small for rate calculation of the Other race/ethnicity group.

Data source: Tarrant County Public Health

**Figure 49. *Streptococcus pneumoniae* (invasive) by age group (in years), Tarrant County, 2012**



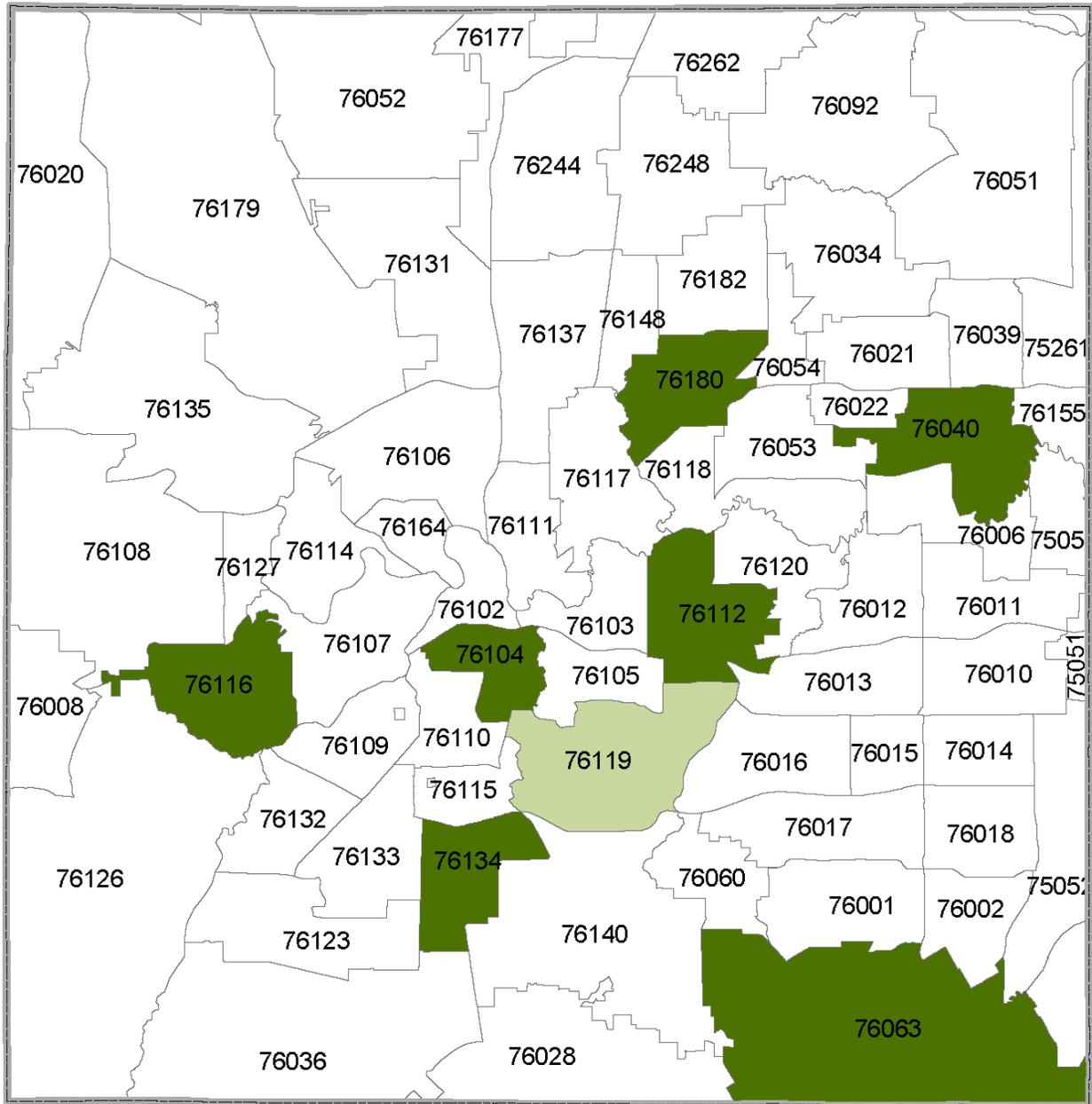
Rate per 100,000 population

The numerator was too small for rate calculation of the 5-9 year and 20-24 year age groups.

No cases were reported among the 10-14 year and 15-19 year age groups.

Data source: Tarrant County Public Health

**Figure 50. Geographic distribution of *Streptococcus pneumoniae* (invasive) by ZIP code, Tarrant County, 2012**



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**Rate per 100,000**

- 11.7 - 14.3
- No or Excluded Data
- 14.4 - 28.7
- County Boundary









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