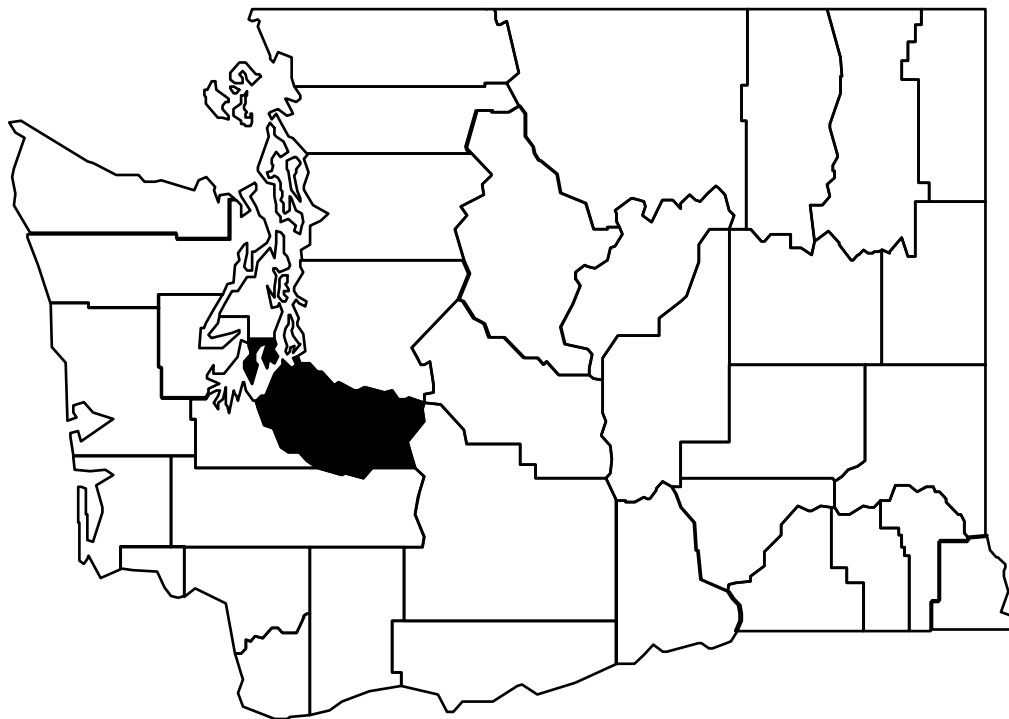


Sexually Transmitted Disease Profile

Pierce County 2013



Disease Control and Health Statistics
Infectious Disease Assessment Unit



Sexually Transmitted Disease Profile

Pierce County 2013



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Washington State Department of Health
Disease Control and Health Statistics
Infectious Disease Assessment Unit
Olympia, Washington
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DOH Pub 347-634 April 2014

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Introduction

Sexually transmitted infections continue to be the most frequently diagnosed and reported notifiable conditions in Washington State. This report describes the sexually transmitted infection burden in Pierce County. Data are presented for the more commonly reported diseases of chlamydial infection, gonorrhea, primary and secondary syphilis, and genital herpes when at least twenty (20) cases of disease were diagnosed in 2013 and the corresponding rates are statistically stable. The incidence rates, including those by age and sex, are presented graphically. The report concludes with tables containing a decade of historical data by age group and gender.

Data Sources, Definitions and Limitations

Cases: Surveillance cases are the number of new episodes of disease (not unique persons) diagnosed in a given year. Cases are identified and submitted by health care providers to local health jurisdictions and entered into the Washington State Department of Health Public Health Information Management System – Sexually Transmitted Diseases (PHIMS-STD) data system. To be included in surveillance reporting, each case must meet disease definitions (see below). Data presented in this report represent new cases of infection diagnosed during a given year and reported as of March 3, 2014.

Confidence Intervals: A confidence interval is a range around a measurement that suggests how precise the measurement is. The confidence interval displays both the possible range around the estimate and also how stable the estimate is. Wider confidence intervals in relation to the estimate itself indicate instability. A confidence interval is always qualified by a particular confidence level, usually expressed as a percentage. In this report, 95% confidence intervals are used.

Disease Definitions:

- Chancroid – A sexually transmitted infection caused by the bacterium *Haemophilus ducreyi* that may include the symptoms of painful genital sores and swollen pelvic lymph nodes. Cases are defined by laboratory detection of *H. ducreyi* from a clinical specimen.
- Chlamydia (CT) – A sexually transmitted infection caused by the bacterium *Chlamydia trachomatis* that may include the symptoms of swelling and pain of internal sexual organs, however the infection often has no symptoms in women. Cases are defined by laboratory detection of *C. trachomatis* from a clinical specimen.
- Genital Herpes (HSV) – A sexually transmitted infection caused by the herpes simplex viruses type 1 and type 2 that may include the symptoms of blisters or sores in the genital area. Cases are defined by laboratory detection of herpes simplex virus (HSV1 or HSV2) or positive antibody response from a clinical specimen. Reportable cases include only adult genital initial infection and neonatal infection.

- Gonorrhea (GC) – A sexually transmitted infection caused by the bacterium *Neisseria gonorrhoeae* that may include the symptoms of swelling and pain of internal sexual organs, however the infection sometimes has no symptoms. Cases are defined by laboratory detection of the bacterium *N. gonorrhoeae* from a clinical specimen.
- Granuloma Inguinale (GI) – A sexually transmitted infection caused by the bacterium *Klebsiella granulomatis* that may include the symptoms of slowly increasing genital sores and swollen pelvic lymph nodes. Cases are defined by microscopic examination of a clinical specimen.
- Lymphogranuloma Venereum (LGV) – A sexually transmitted infection caused by three strains of *Chlamydia trachomatis* that may include the symptoms of genital sores and swollen pelvic lymph nodes. Cases are defined by laboratory detection of the L1, L2 and L3 serovars of *C. trachomatis* from a clinical specimen.
- Syphilis – A sexually transmitted infection caused by the bacterium *Treponema pallidum* that may include many kinds of symptoms or none at all depending upon the stage of disease. Cases are defined and assigned a stage by a combination of positive blood tests, symptoms, and history of previous treatment. The U.S. Centers for Disease Control and Prevention (CDC) provides guidelines with additional details of surveillance definitions and staging criteria. The stages of primary and secondary (P&S) syphilis are grouped together for analysis in this report.
- Primary* – identified by the presence of one or many painless sores.
- Secondary* – identified by the presence of a rash on one or more areas of the body, often with fever, fatigue or other symptoms at the same time.
- Other Stages* – additional stages of syphilis include, early latent, latent, late latent, and congenital. See CDC guidelines for specific criteria: www.cdc.gov/std/

Incidence Rates: Incidence rates in this report are calculated as the number of new episodes of a disease (not unique persons) diagnosed in a given year divided by the total population (age and sex appropriate) for that year, expressed as a rate per 100,000. Incidence rates allow comparisons between two or more populations by standardizing the denominator and are the most appropriate statistic to use when investigating differences between groups. Rates are not presented when there were fewer than 20 cases of disease reported and the calculated relative standard error was greater than thirty percent (>30%) as this indicates statistical instability.

Limitations: The data presented in this report may be subject to a number of limiting factors. Clinically diagnosed cases (without laboratory confirmation) may be missed through public health surveillance systems. Depending upon diagnosing practices, completeness of reporting may vary by the source of health care. In addition, the diagnosing practitioner is responsible for providing the case information including the patient demographic data items of age and gender upon which many of the analyses in this report depend. Biases could exist in the data due to under-reporting, inability of certain populations to access medical services, error in laboratory reporting, or differential reporting or screening by disease and source of care. Also, small

increases or decreases in numbers from year to year can look large if the actual number of cases is small. Care should be taken in interpreting these data in light of known limitations.

Population: Denominator population estimates for incidence rates are from Washington State Adjusted Population Estimates, Office of Financial Management (OFM) April 1, 2013. This data was accessed February 4, 2014 from <http://www.ofm.wa.gov/pop/>

Tabular Data: The data tables are provided in hopes that community and local partners will use these historical data as a resource for future health planning. Users of these data should keep in mind that small numbers often produce rates that can be unstable from year to year and may not be reliable when comparing across strata within a particular year. Data tables for additional years previous are available upon request.

Anyone with specific questions about how these data should be interpreted is encouraged to contact the Infectious Disease Assessment Unit at 360-236-3455.

Pierce County STD Disease Trends

Table 1. Washington State Reportable Sexually Transmitted Diseases, Pierce County, 2013

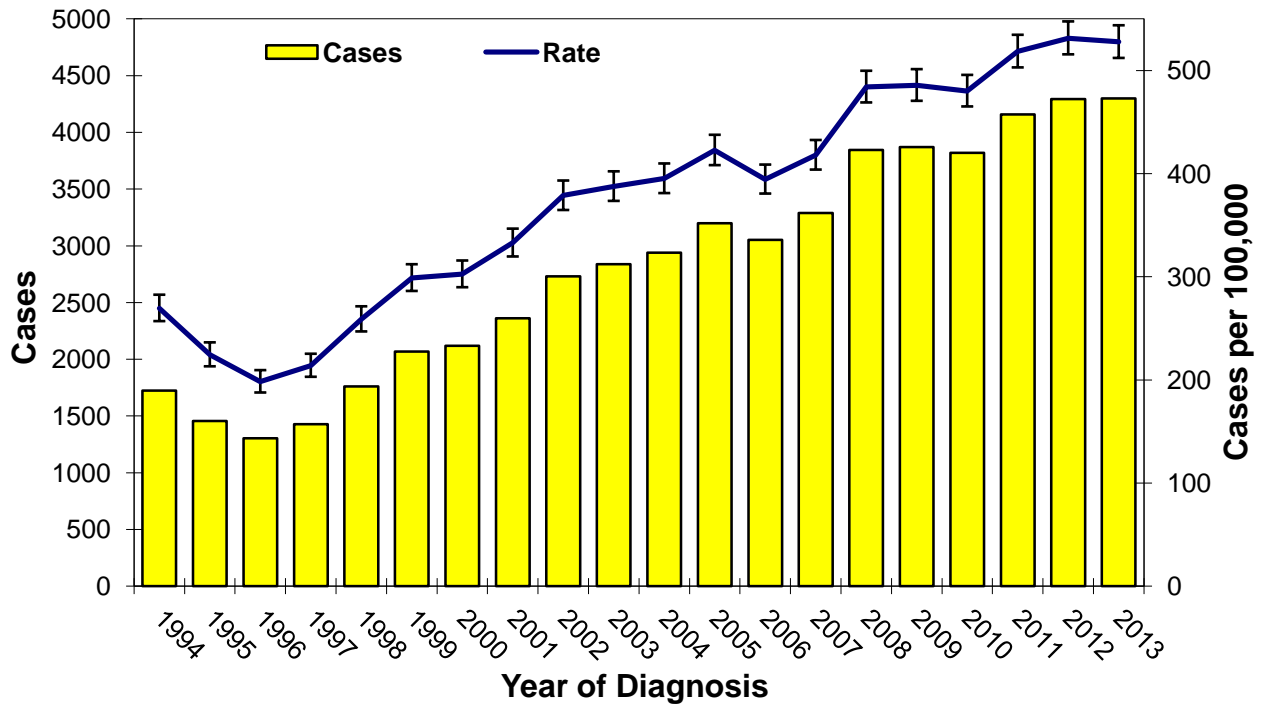
Disease	County Cases	County Rate§	WA State Rate
Chlamydia	4298	527.7	363.4
Gonorrhea	966	118.6	63.8
P&S Syphilis	28	3.4	4.1
Genital Herpes	364	44.7	32.1
Chancroid/GI/LGV	0		
Total	5656		

§ Crude incidence rate per 100,000 population.

* Rates are suppressed for counts under 20 with a corresponding RSE >30% due to statistical instability.

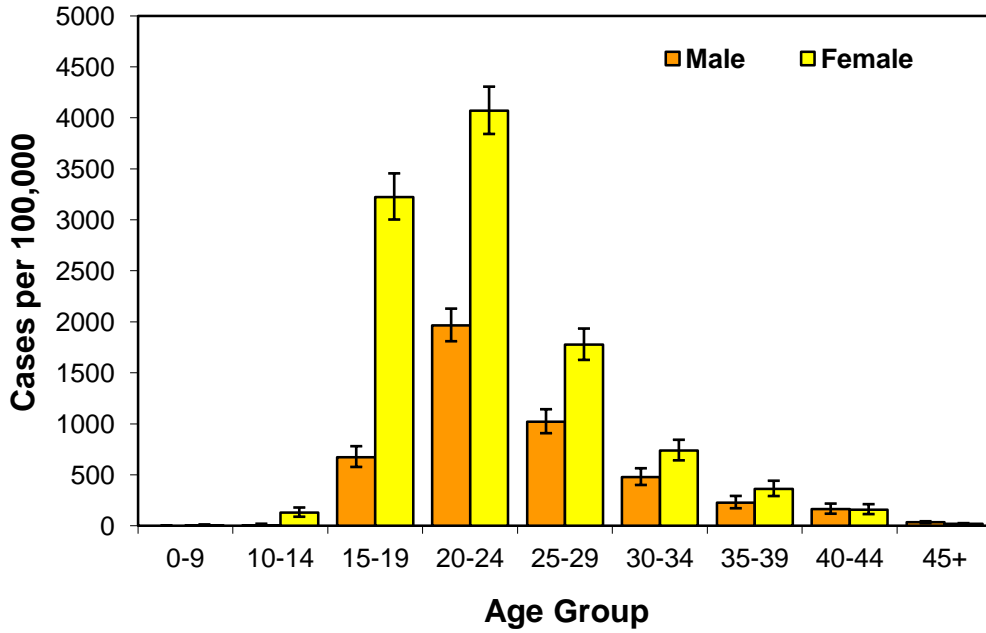
Chlamydia

Figure 1. Chlamydia Cases and Incidence Rates* per 100,000 population, Pierce County, 1994-2013



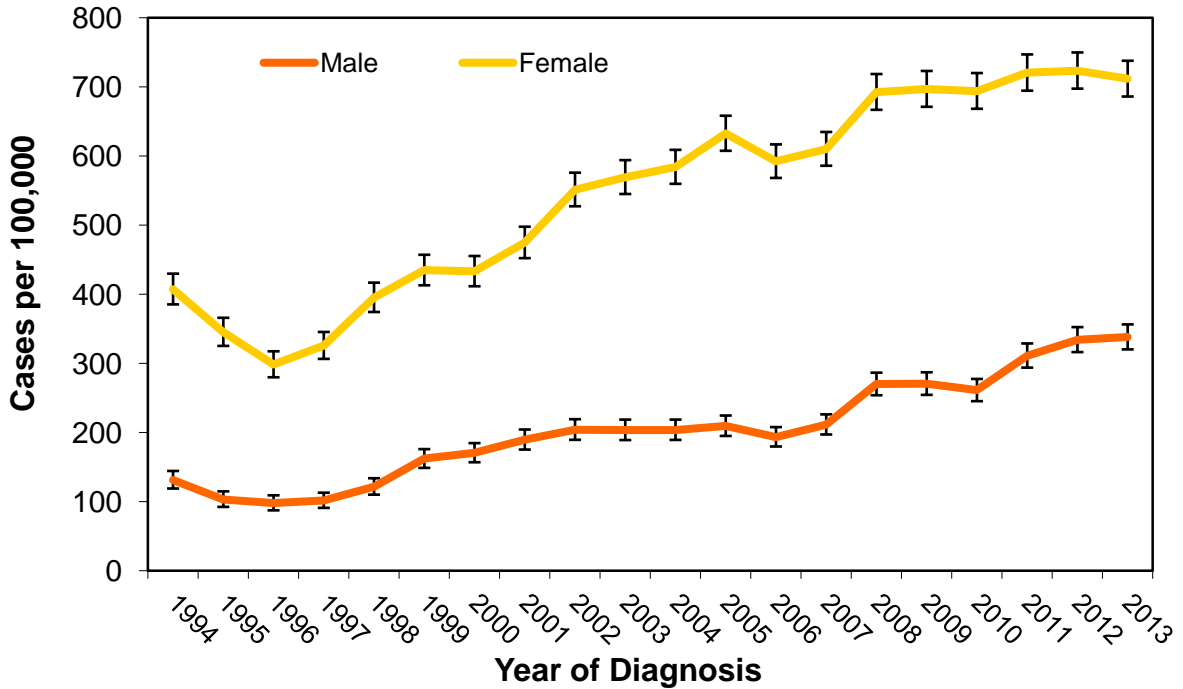
* Crude incidence rate with 95% confidence intervals.

Figure 2. Age-specific Chlamydia Incidence Rates* by Gender, Pierce County, 2013



* Age-specific crude incidence rate with 95% confidence intervals.

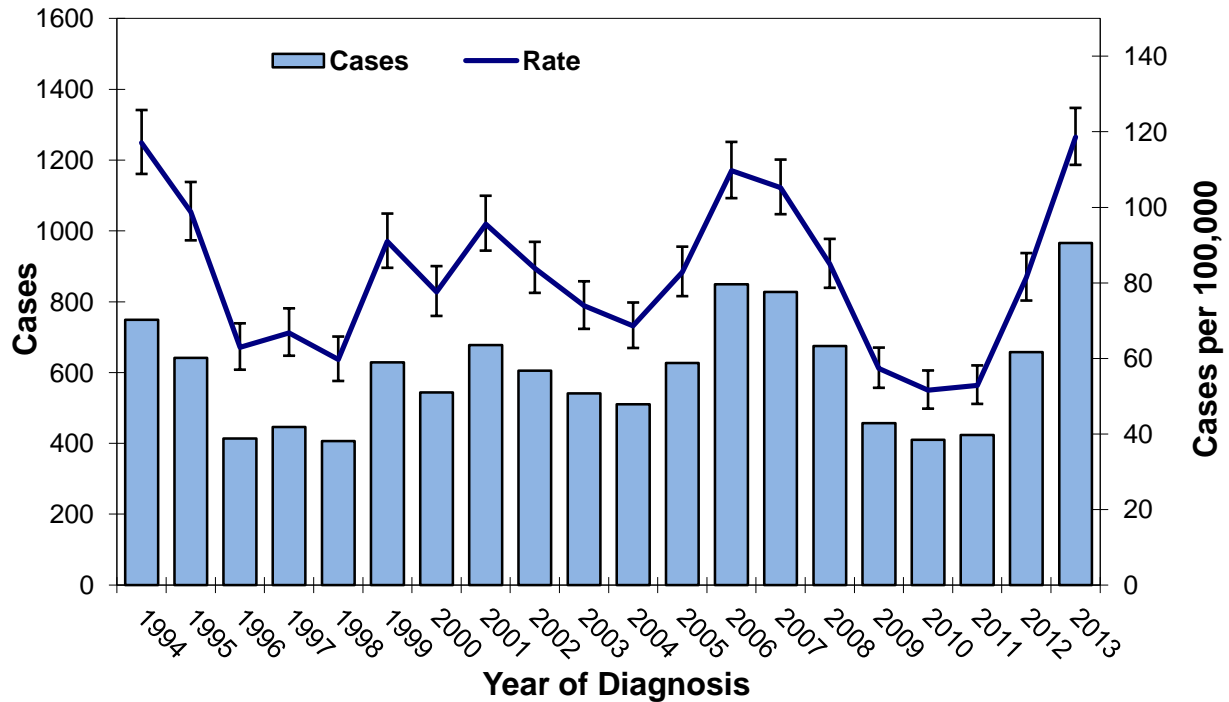
Figure 3. Chlamydia Incidence Rates by Gender*, Pierce County, 1994-2013



* Gender-specific crude incidence with 95% confidence intervals.

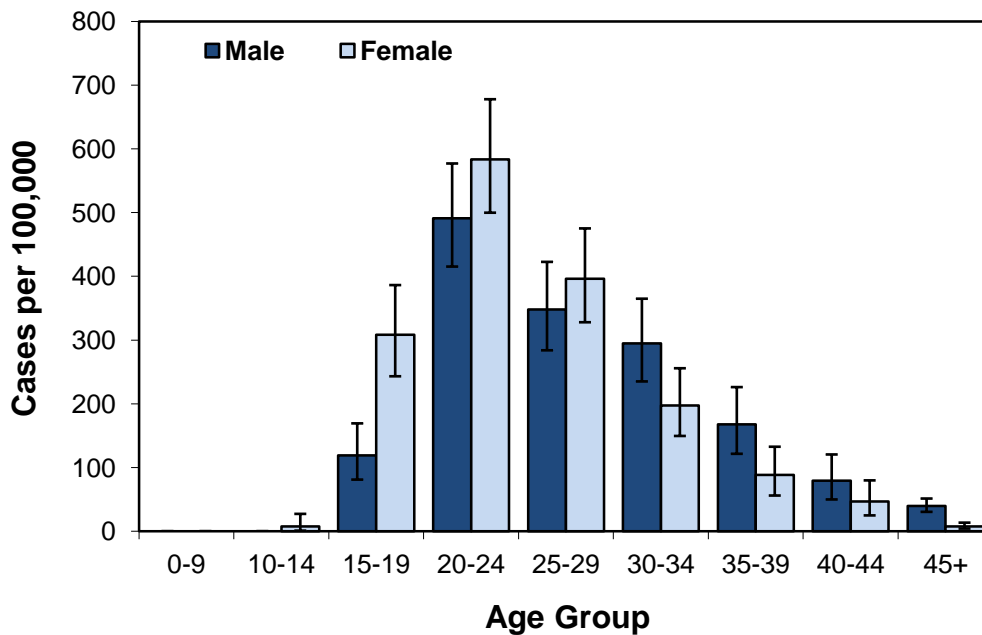
Gonorrhea

Figure 4. Gonorrhea Cases and Incidence Rates* per 100,000 population, Pierce County, 1994-2013.



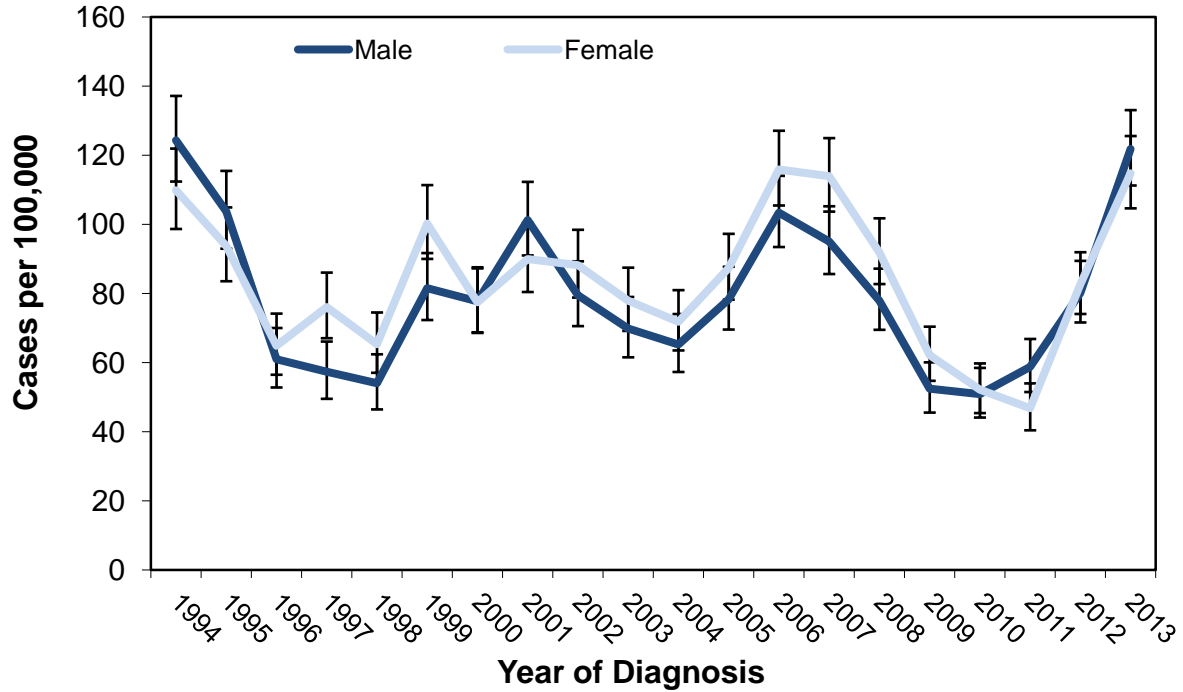
* Crude incidence rate with 95% confidence intervals.

Figure 5. Age-specific Gonorrhea Incidence Rates* by Gender, Pierce County, 2013



* Age-specific crude incidence rate with 95% confidence intervals.

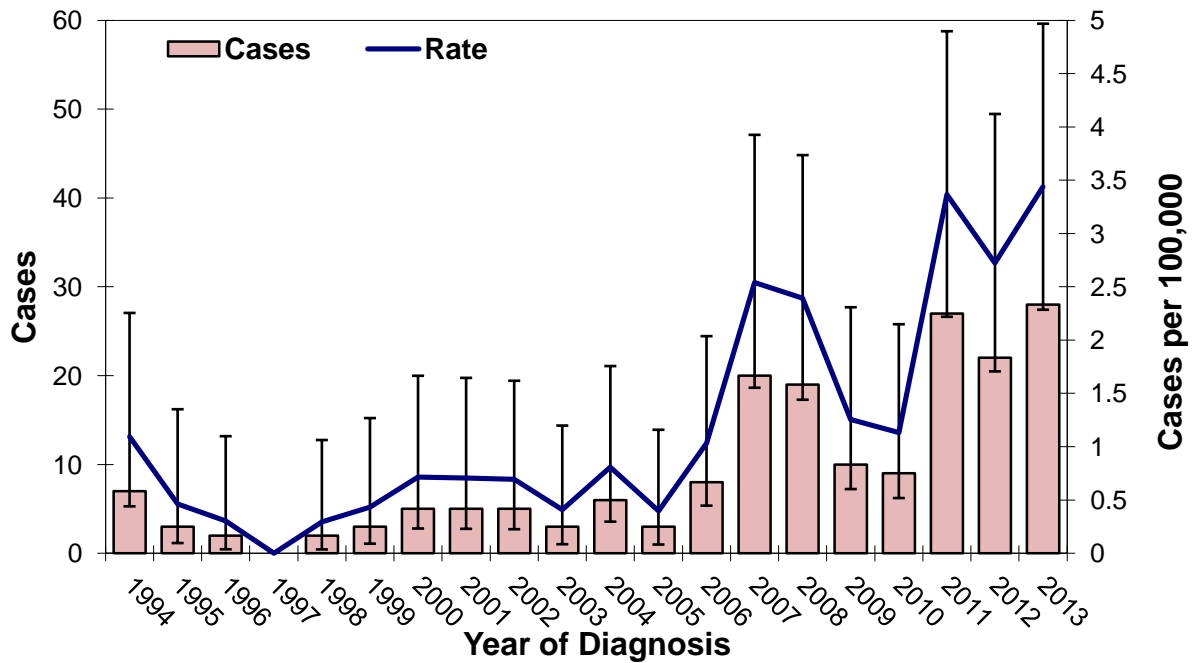
Figure 6. Gonorrhea Incidence Rates by Gender*, Pierce County, 1994-2013



* Gender-specific crude incidence with 95% confidence intervals.

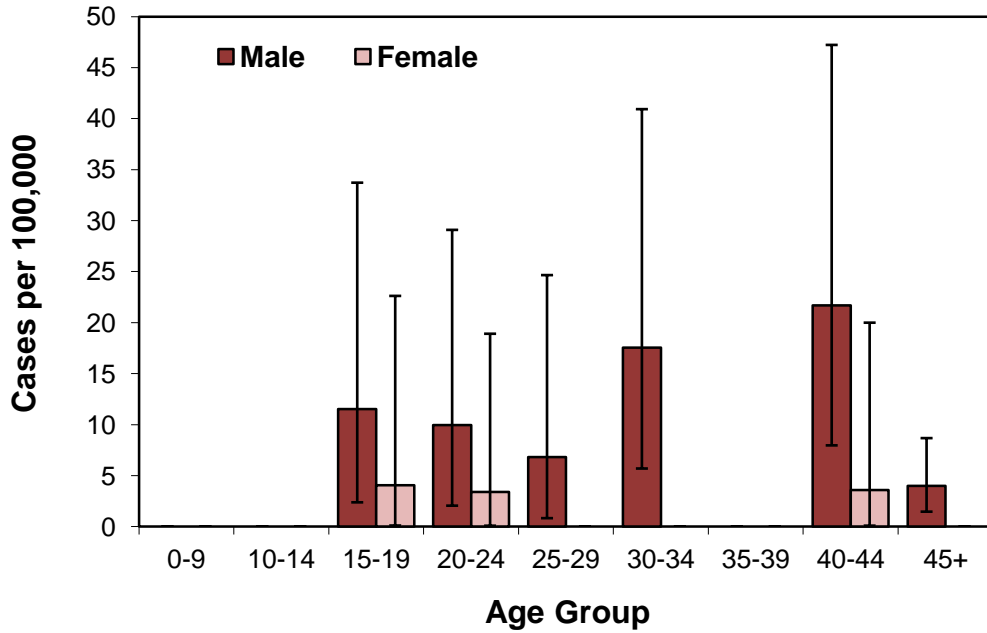
Primary and Secondary Syphilis

Figure 7. Primary and Secondary Syphilis Cases and Incidence Rates* per 100,000 population, Pierce County, 1994-2013



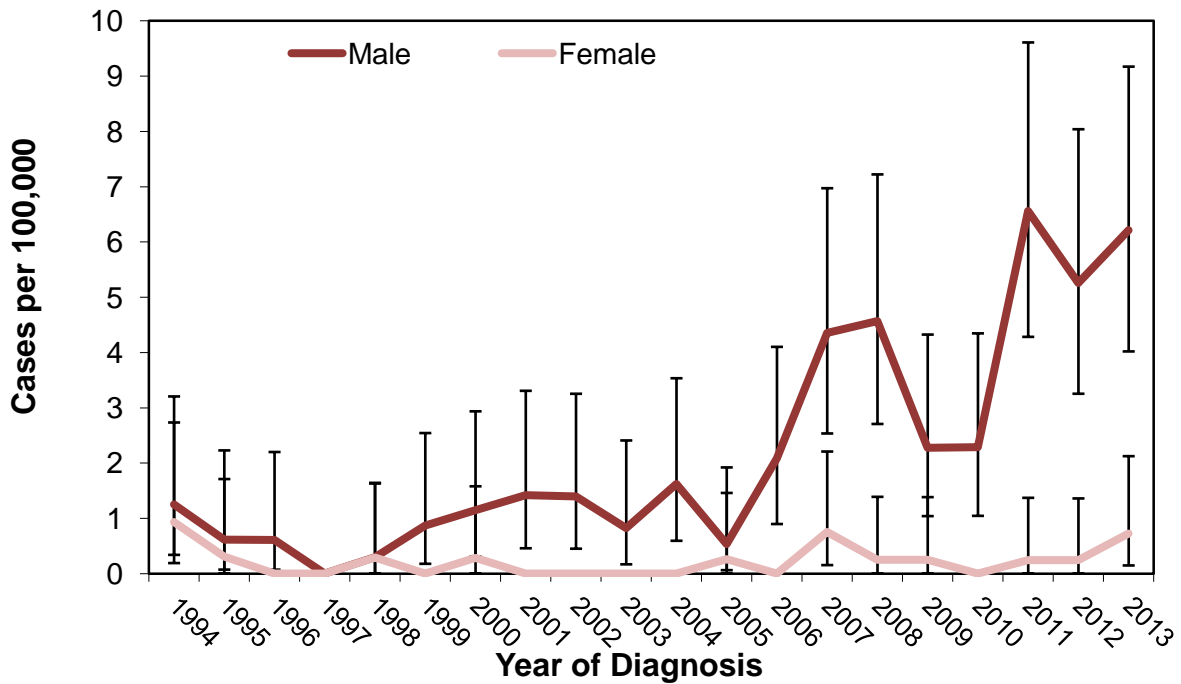
* Crude incidence rate with 95% confidence intervals.

Figure 8. Age-specific Primary and Secondary Syphilis Incidence Rates* by Gender, Pierce County, 2013



* Age-specific crude incidence rate with 95% confidence intervals.

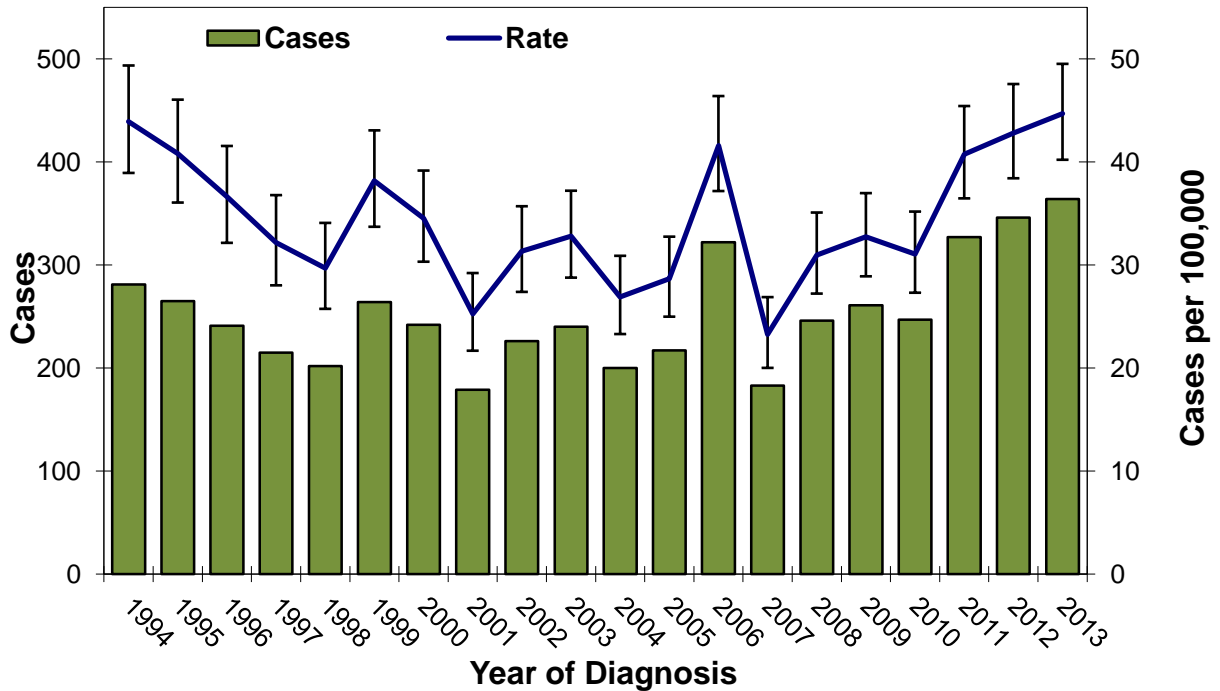
Figure 9. Primary and Secondary Syphilis Incidence Rates by Gender*, Pierce County, 1994-2013



* Gender-specific crude incidence with 95% confidence intervals.

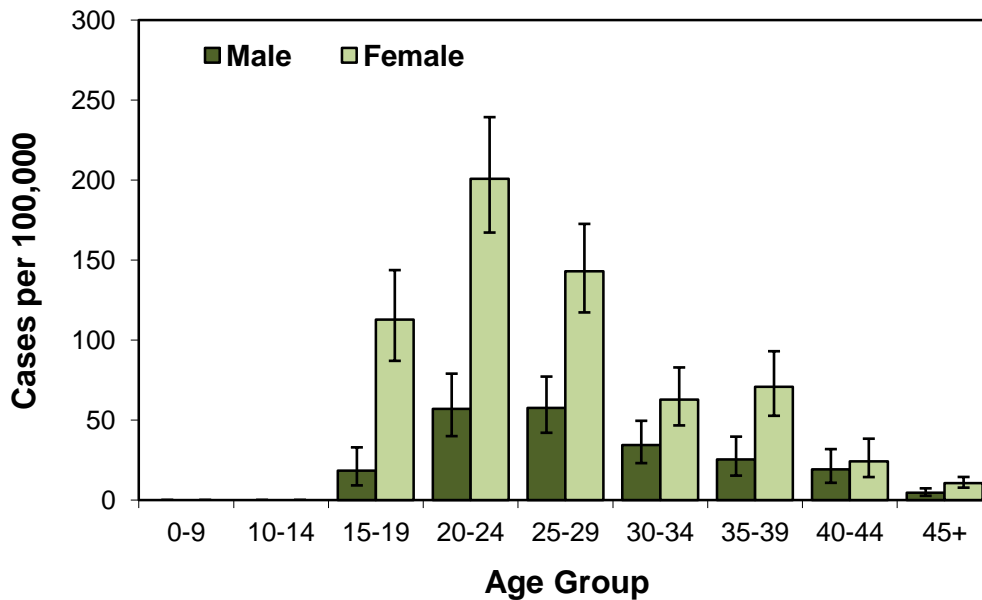
Genital Herpes

Figure 10. Genital Herpes Cases and Incidence Rates* per 100,000 population, Pierce County, 1994-2013



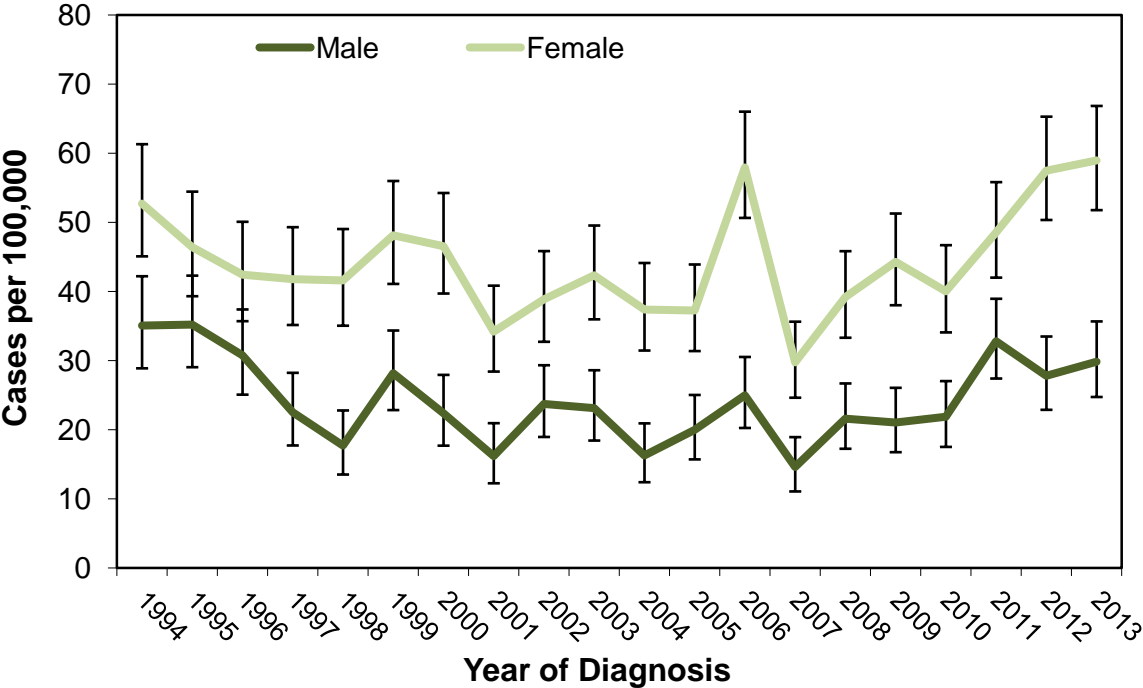
* Crude incidence rate with 95% confidence intervals.

Figure 11. Age-specific Genital Herpes Incidence Rates* by Gender, Pierce County, 2013



* Age-specific crude incidence rate with 95% confidence intervals.

Figure 12. Genital Herpes Incidence Rates by Gender*, Pierce County, 1994-2013



* Gender-specific crude incidence with 95% confidence intervals.

Data Tables

Table 2. Chlamydia Cases and Incidence Rates by Gender and Age Group

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
2004	0-9	1	1.0	0	0.0	1	2.0
	10-14	34	59.7	3	10.3	31	111.8
	15-19	1020	1,854.5	174	619.6	846	3,142.8
	20-24	1165	2,119.7	307	1,085.9	858	3,214.7
	25-29	411	831.1	131	524.0	280	1,145.0
	30-34	170	319.9	72	269.7	98	370.6
	35-39	67	121.9	28	100.4	39	143.9
	40-44	36	59.7	19	63.2	17	56.2
	45+	22	8.6	13	10.8	9	6.7
	Missing	13	0.0	5	0.0	8	0.0
	All Ages	2939	395.2	752	203.6	2187	584.1
2005	0-9	3	2.8	0	0.0	3	5.8
	10-14	34	60.0	2	6.9	32	115.9
	15-19	1063	1,898.7	160	559.3	903	3,298.4
	20-24	1275	2,266.8	344	1,192.6	931	3,397.4
	25-29	462	900.8	146	565.2	316	1,241.5
	30-34	170	327.0	55	210.9	115	443.8
	35-39	98	176.9	39	138.6	59	216.4
	40-44	36	59.9	17	56.8	19	63.0
	45+	37	14.0	17	13.6	20	14.4
	Missing	21	0.0	7	0.0	14	0.0
	All Ages	3199	422.6	787	209.5	2412	632.7
2006	0-9	3	2.8	1	1.8	2	3.8
	10-14	39	69.0	2	6.9	37	134.3
	15-19	1017	1,780.4	151	516.9	866	3,103.1
	20-24	1159	1,998.3	290	977.7	869	3,066.7
	25-29	454	838.3	149	549.2	305	1,128.5
	30-34	180	350.6	66	256.5	114	445.0
	35-39	102	180.1	43	149.5	59	211.8
	40-44	43	72.4	18	60.8	25	84.0
	45+	29	10.6	14	10.8	15	10.5
	Missing	27	0.0	9	0.0	18	0.0
	All Ages	3053	394.4	743	193.4	2310	592.4
2007	0-9	0	0.0	0	0.0	0	0.0
	10-14	38	67.8	1	3.5	37	135.3
	15-19	1025	1,768.5	157	529.1	868	3,068.7
	20-24	1296	2,205.2	367	1,226.6	929	3,220.1
	25-29	489	865.2	146	517.1	343	1,212.6
	30-34	185	360.7	68	264.8	117	456.9
	35-39	106	185.7	41	141.3	65	231.7
	40-44	46	79.0	22	75.8	24	82.2
	45+	32	11.3	16	11.9	16	10.8
	Missing	28	0.0	7	0.0	21	0.0
	All Ages	3289	418.0	825	211.4	2420	610.2
2008	0-9	2	1.8	0	0.0	2	3.7
	10-14	28	50.5	4	14.1	24	88.6
	15-19	1116	1,923.4	185	622.0	931	3,292.1
	20-24	1567	2,667.2	461	1,547.6	1106	3,818.9
	25-29	690	1,181.6	247	847.3	443	1,514.9
	30-34	233	450.5	80	309.4	153	591.5
	35-39	124	220.5	54	189.1	70	252.9
	40-44	41	71.8	16	56.2	25	87.4
	45+	35	12.1	16	11.6	19	12.6
	Missing	1	0.0	0	0.0	1	0.0
	All Ages	3845	484.1	1063	269.9	2774	692.6

Continued Table 2. Chlamydia

Age Group	Total		Males		Females		
	Cases	Rate	Cases	Rate	Cases	Rate	
2009	0-9	0	0.0	0	0.0	0	0.0
	10-14	32	58.1	5	17.8	27	100.3
	15-19	1099	1,917.4	195	663.5	904	3,236.8
	20-24	1614	2,767.5	478	1,621.1	1136	3,939.8
	25-29	693	1,167.9	215	728.0	478	1,603.8
	30-34	228	436.0	76	290.5	152	581.6
	35-39	111	203.4	49	177.4	62	230.0
	40-44	41	73.0	23	82.0	18	64.1
	45+	49	16.7	27	19.2	22	14.3
	Missing	3	0.0	0	0.0	3	0.0
	All Ages	3870	485.6	1068	270.5	2802	697.0
	2010	0-9	1	0.9	0	0.0	1
10-14		39	71.1	0	0.0	39	145.5
15-19		1124	1,996.8	195	674.8	929	3,391.6
20-24		1539	2,738.3	413	1,442.2	1126	4,084.6
25-29		648	1,111.0	230	796.5	418	1,419.4
30-34		261	485.8	87	327.0	174	641.7
35-39		111	210.1	43	162.8	68	257.4
40-44		53	95.3	30	108.7	23	82.2
45+		41	13.8	28	19.7	13	8.3
Missing		1	0.0	0	0.0	1	0.0
All Ages		3818	480.1	1026	261.1	2792	694.0
2011		0-9	0	0.0	0	0.0	0
	10-14	19	34.5	2	7.1	17	63.2
	15-19	1119	2,009.6	202	706.6	917	3,384.5
	20-24	1805	3,199.1	554	1,928.1	1251	4,517.9
	25-29	717	1,231.4	278	962.5	439	1,496.1
	30-34	254	461.7	87	319.3	167	601.3
	35-39	117	226.5	49	190.0	68	262.9
	40-44	73	128.7	34	120.6	39	136.6
	45+	52	17.1	27	18.6	25	15.7
	Missing	1	0.0	0	0.0	1	0.0
	All Ages	4159	518.5	1233	311.1	2924	720.6
	2012	0-9	2	1.8	0	0.0	2
10-14		31	56.9	4	14.4	27	101.4
15-19		1086	2,086.9	223	831.9	863	3,420.3
20-24		1762	2,995.6	538	1,810.8	1224	4,204.7
25-29		761	1,286.2	293	993.4	468	1,577.4
30-34		345	609.9	135	482.2	210	734.9
35-39		147	287.2	61	240.2	86	333.5
40-44		85	151.4	42	150.2	43	152.6
45+		72	23.3	38	25.8	34	21.0
Missing		2	0.0	0	0.0	2	0.0
All Ages		4294	531.3	1334	334.1	2959	723.5
2013		0-9	2	1.8	0	0.0	2
	10-14	35	64.6	1	3.6	34	128.2
	15-19	969	1,913.6	175	673.0	794	3,223.0
	20-24	1791	3,004.6	592	1,964.3	1199	4,068.5
	25-29	823	1,399.2	299	1,020.4	524	1,775.2
	30-34	349	608.0	136	477.0	213	737.4
	35-39	152	294.3	58	226.4	94	361.1
	40-44	89	160.3	45	162.7	44	157.9
	45+	81	25.7	51	33.9	30	18.2
	Missing	3	0.0	3	0.0	0	0.0
	All Ages	4298	527.7	1360	338.1	2934	711.8

Table 3. Gonorrhea Cases and Incidence Rates by Gender and Age Group

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
2004	0-9	0	0.0	0	0.0	0	0.0
	10-14	9	15.8	1	3.4	8	28.9
	15-19	141	256.4	33	117.5	108	401.2
	20-24	158	287.5	78	275.9	80	299.7
	25-29	72	145.6	38	152.0	34	139.0
	30-34	43	80.9	28	104.9	15	56.7
	35-39	31	56.4	21	75.3	10	36.9
	40-44	32	53.1	22	73.2	10	33.1
	45+	24	9.4	20	16.6	4	3.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	510	68.6	241	65.3	269	71.8
2005	0-9	0	0.0	0	0.0	0	0.0
	10-14	9	15.9	1	3.4	8	29.0
	15-19	143	255.4	32	111.9	111	405.4
	20-24	212	376.9	95	329.4	117	427.0
	25-29	111	216.4	64	247.8	47	184.6
	30-34	55	105.8	32	122.7	23	88.8
	35-39	36	65.0	19	67.5	17	62.3
	40-44	26	43.3	20	66.8	6	19.9
	45+	30	11.4	28	22.3	2	1.4
	Missing	5	0.0	3	0.0	2	0.0
	All Ages	627	82.8	294	78.3	333	87.4
2006	0-9	0	0.0	0	0.0	0	0.0
	10-14	5	8.9	0	0.0	5	18.2
	15-19	200	350.1	43	147.2	157	562.6
	20-24	247	425.9	107	360.7	140	494.1
	25-29	135	249.3	77	283.8	58	214.6
	30-34	90	175.3	55	213.8	35	136.6
	35-39	58	102.4	37	128.6	21	75.4
	40-44	56	94.3	40	135.1	16	53.8
	45+	50	18.3	35	26.9	15	10.5
	Missing	8	0.0	3	0.0	5	0.0
	All Ages	849	109.7	397	103.4	452	115.9
2007	0-9	0	0.0	0	0.0	0	0.0
	10-14	15	26.8	2	7.0	13	47.6
	15-19	209	360.6	67	225.8	142	502.0
	20-24	283	481.5	119	397.7	164	568.5
	25-29	141	249.5	76	269.2	65	229.8
	30-34	69	134.5	36	140.2	33	128.9
	35-39	51	89.4	32	110.3	19	67.7
	40-44	27	46.4	13	44.8	14	47.9
	45+	24	8.5	23	17.1	1	0.7
	Missing	4	0.0	3	0.0	1	0.0
	All Ages	828	105.2	371	95.1	452	114.0
2008	0-9	0	0.0	0	0.0	0	0.0
	10-14	8	14.4	1	3.5	7	25.8
	15-19	157	270.6	48	161.4	109	385.4
	20-24	251	427.2	107	359.2	144	497.2
	25-29	135	231.2	69	236.7	66	225.7
	30-34	50	96.7	29	112.1	21	81.2
	35-39	32	56.9	22	77.0	10	36.1
	40-44	21	36.8	15	52.7	6	21.0
	45+	21	7.3	16	11.6	5	3.3
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	675	85.0	307	78.0	368	91.9

Continued Table 3. Gonorrhea

Age Group	Total		Males		Females		
	Cases	Rate	Cases	Rate	Cases	Rate	
2009	0-9	0	0.0	0	0.0	0	0.0
	10-14	2	3.6	1	3.6	1	3.7
	15-19	98	171.0	23	78.3	75	268.5
	20-24	196	336.1	85	288.3	111	385.0
	25-29	93	156.7	47	159.2	46	154.3
	30-34	30	57.4	18	68.8	12	45.9
	35-39	17	31.1	15	54.3	2	7.4
	40-44	11	19.6	10	35.7	1	3.6
	45+	9	3.1	8	5.7	1	0.7
	Missing	1	0.0	0	0.0	1	0.0
	All Ages	457	57.3	207	52.4	250	62.2
2010	0-9	0	0.0	0	0.0	0	0.0
	10-14	2	3.6	0	0.0	2	7.5
	15-19	91	161.7	29	100.4	62	226.4
	20-24	173	307.8	78	272.4	95	344.6
	25-29	72	123.4	39	135.1	33	112.1
	30-34	27	50.3	23	86.4	4	14.8
	35-39	15	28.4	6	22.7	9	34.1
	40-44	14	25.2	11	39.8	3	10.7
	45+	16	5.4	14	9.9	2	1.3
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	410	51.6	200	50.9	210	52.2
2011	0-9	1	0.9	0	0.0	1	1.9
	10-14	2	3.6	2	7.1	0	0.0
	15-19	87	156.2	34	118.9	53	195.6
	20-24	169	299.5	90	313.2	79	285.3
	25-29	80	137.4	49	169.6	31	105.6
	30-34	35	63.6	20	73.4	15	54.0
	35-39	18	34.9	11	42.7	7	27.1
	40-44	8	14.1	8	28.4	0	0.0
	45+	23	7.6	19	13.1	4	2.5
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	424	52.9	233	58.8	190	46.8
2012	0-9	0	0.0	0	0.0	0	0.0
	10-14	2	3.7	1	3.6	1	3.8
	15-19	132	253.7	38	141.8	94	372.6
	20-24	252	428.4	110	370.2	142	487.8
	25-29	138	233.2	81	274.6	57	192.1
	30-34	60	106.1	38	135.7	22	77.0
	35-39	37	72.3	25	98.4	12	46.5
	40-44	14	24.9	10	35.8	4	14.2
	45+	23	7.4	17	11.5	6	3.7
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	658	81.4	320	80.2	338	82.6
2013	0-9	0	0.0	0	0.0	0	0.0
	10-14	2	3.7	0	0.0	2	7.5
	15-19	107	211.3	31	119.2	76	308.5
	20-24	320	536.8	148	491.1	172	583.6
	25-29	219	372.3	102	348.1	117	396.4
	30-34	141	245.7	84	294.6	57	197.3
	35-39	66	127.8	43	167.9	23	88.3
	40-44	35	63.0	22	79.6	13	46.6
	45+	73	23.1	60	39.8	13	7.9
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	966	118.6	490	121.8	473	114.8

Table 4. P&S Syphilis Cases and Incidence Rate by Gender/Age Group

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
2004	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	0	0.0	0	0.0	0	0.0
	20-24	0	0.0	0	0.0	0	0.0
	25-29	2	4.0	2	8.0	0	0.0
	30-34	2	3.8	2	7.5	0	0.0
	35-39	0	0.0	0	0.0	0	0.0
	40-44	2	3.3	2	6.7	0	0.0
	45+	0	0.0	0	0.0	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	6	0.8	6	1.6	0	0.0
2005	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	1	1.8	1	3.5	0	0.0
	20-24	1	1.8	1	3.5	0	0.0
	25-29	0	0.0	0	0.0	0	0.0
	30-34	0	0.0	0	0.0	0	0.0
	35-39	1	1.8	0	0.0	1	3.7
	40-44	0	0.0	0	0.0	0	0.0
	45+	0	0.0	0	0.0	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	3	0.4	2	0.5	1	0.3
2006	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	1	1.8	1	3.4	0	0.0
	20-24	0	0.0	0	0.0	0	0.0
	25-29	0	0.0	0	0.0	0	0.0
	30-34	1	1.9	1	3.9	0	0.0
	35-39	1	1.8	1	3.5	0	0.0
	40-44	0	0.0	0	0.0	0	0.0
	45+	5	1.8	5	3.8	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	8	1.0	8	2.1	0	0.0
2007	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	2	3.5	1	3.4	1	3.5
	20-24	1	1.7	1	3.3	0	0.0
	25-29	1	1.8	1	3.5	0	0.0
	30-34	0	0.0	0	0.0	0	0.0
	35-39	5	8.8	4	13.8	1	3.6
	40-44	1	1.7	1	3.4	0	0.0
	45+	10	3.5	9	6.7	1	0.7
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	20	2.5	17	4.4	3	0.8
2008	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	0	0.0	0	0.0	0	0.0
	20-24	3	5.1	2	6.7	1	3.5
	25-29	1	1.7	1	3.4	0	0.0
	30-34	4	7.7	4	15.5	0	0.0
	35-39	5	8.9	5	17.5	0	0.0
	40-44	1	1.8	1	3.5	0	0.0
	45+	5	1.7	5	3.6	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	19	2.4	18	4.6	1	0.2

Continued Table 4. P&S Syphilis

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
2009	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	0	0.0	0	0.0	0	0.0
	20-24	4	6.9	4	13.6	0	0.0
	25-29	2	3.4	2	6.8	0	0.0
	30-34	0	0.0	0	0.0	0	0.0
	35-39	2	3.7	1	3.6	1	3.7
	40-44	2	3.6	2	7.1	0	0.0
	45+	0	0.0	0	0.0	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	10	1.3	9	2.3	1	0.2
2010	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	0	0.0	0	0.0	0	0.0
	20-24	0	0.0	0	0.0	0	0.0
	25-29	2	3.4	2	6.9	0	0.0
	30-34	3	5.6	3	11.3	0	0.0
	35-39	1	1.9	1	3.8	0	0.0
	40-44	1	1.8	1	3.6	0	0.0
	45+	2	0.7	2	1.4	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	9	1.1	9	2.3	0	0.0
2011	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	0	0.0	0	0.0	0	0.0
	20-24	11	19.5	10	34.8	1	3.6
	25-29	3	5.2	3	10.4	0	0.0
	30-34	2	3.6	2	7.3	0	0.0
	35-39	4	7.7	4	15.5	0	0.0
	40-44	3	5.3	3	10.6	0	0.0
	45+	4	1.3	4	2.8	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	27	3.4	26	6.6	1	0.2
2012	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	0	0.0	0	0.0	0	0.0
	20-24	6	10.2	5	16.8	1	3.4
	25-29	3	5.1	3	10.2	0	0.0
	30-34	1	1.8	1	3.6	0	0.0
	35-39	4	7.8	4	15.8	0	0.0
	40-44	1	1.8	1	3.6	0	0.0
	45+	7	2.3	7	4.7	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	22	2.7	21	5.3	1	0.2
2013	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	4	7.9	3	11.5	1	4.1
	20-24	4	6.7	3	10.0	1	3.4
	25-29	2	3.4	2	6.8	0	0.0
	30-34	5	8.7	5	17.5	0	0.0
	35-39	0	0.0	0	0.0	0	0.0
	40-44	7	12.6	6	21.7	1	3.6
	45+	6	1.9	6	4.0	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	28	3.4	25	6.2	3	0.7

Table 5. Genital Herpes Cases and Incidence Rate by Gender/Age Group

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
2004	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	31	56.4	4	14.2	27	100.3
	20-24	79	143.7	24	84.9	55	206.1
	25-29	35	70.8	11	44.0	24	98.1
	30-34	16	30.1	6	22.5	10	37.8
	35-39	11	20.0	5	17.9	6	22.1
	40-44	14	23.2	7	23.3	7	23.1
	45+	12	4.7	3	2.5	9	6.7
	Missing	2	0.0	0	0.0	2	0.0
	All Ages	200	26.9	60	16.2	140	37.4
2005	0-9	1	0.9	0	0.0	1	1.9
	10-14	0	0.0	0	0.0	0	0.0
	15-19	29	51.8	2	7.0	27	98.6
	20-24	71	126.2	30	104.0	41	149.6
	25-29	51	99.4	21	81.3	30	117.9
	30-34	23	44.2	5	19.2	18	69.5
	35-39	16	28.9	8	28.4	8	29.3
	40-44	13	21.6	4	13.4	9	29.8
	45+	9	3.4	3	2.4	6	4.3
	Missing	4	0.0	2	0.0	2	0.0
	All Ages	217	28.7	75	20.0	142	37.3
2006	0-9	1	0.9	1	1.8	0	0.0
	10-14	1	1.8	0	0.0	1	3.6
	15-19	36	63.0	4	13.7	32	114.7
	20-24	124	213.8	47	158.5	77	271.7
	25-29	60	110.8	23	84.8	37	136.9
	30-34	33	64.3	7	27.2	26	101.5
	35-39	18	31.8	2	7.0	16	57.4
	40-44	15	25.3	3	10.1	12	40.3
	45+	24	8.8	5	3.8	19	13.2
	Missing	10	0.0	4	0.0	6	0.0
	All Ages	322	41.6	96	25.0	226	58.0
2007	0-9	0	0.0	0	0.0	0	0.0
	10-14	1	1.8	0	0.0	1	3.7
	15-19	18	31.1	2	6.7	16	56.6
	20-24	55	93.6	14	46.8	41	142.1
	25-29	43	76.1	21	74.4	22	77.8
	30-34	17	33.1	9	35.0	8	31.2
	35-39	9	15.8	3	10.3	6	21.4
	40-44	15	25.8	3	10.3	12	41.1
	45+	15	5.3	4	3.0	11	7.4
	Missing	2	0.0	1	0.0	1	0.0
	All Ages	183	23.3	57	14.6	118	29.8
2008	0-9	0	0.0	0	0.0	0	0.0
	10-14	1	1.8	0	0.0	1	3.7
	15-19	27	46.5	5	16.8	22	77.8
	20-24	88	149.8	30	100.7	58	200.3
	25-29	45	77.1	21	72.0	24	82.1
	30-34	20	38.7	8	30.9	12	46.4
	35-39	22	39.1	6	21.0	16	57.8
	40-44	14	24.5	6	21.1	8	28.0
	45+	22	7.6	8	5.8	14	9.3
	Missing	3	0.0	1	0.0	2	0.0
	All Ages	246	31.0	85	21.6	157	39.2

Continued Table 5. Genital Herpes

Age Group	Total		Males		Females		
	Cases	Rate	Cases	Rate	Cases	Rate	
2009	0-9	0	0.0	0	0.0	0	0.0
	10-14	1	1.8	0	0.0	1	3.7
	15-19	42	73.3	6	20.4	36	128.9
	20-24	102	174.9	34	115.3	68	235.8
	25-29	47	79.2	21	71.1	26	87.2
	30-34	26	49.7	9	34.4	17	65.0
	35-39	19	34.8	6	21.7	13	48.2
	40-44	5	8.9	1	3.6	4	14.2
	45+	19	6.5	6	4.3	13	8.5
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	261	32.8	83	21.0	178	44.3
2010	0-9	0	0.0	0	0.0	0	0.0
	10-14	1	1.8	0	0.0	1	3.7
	15-19	29	51.5	1	3.5	28	102.2
	20-24	90	160.1	36	125.7	54	195.9
	25-29	52	89.2	23	79.6	29	98.5
	30-34	27	50.3	12	45.1	15	55.3
	35-39	15	28.4	5	18.9	10	37.9
	40-44	11	19.8	5	18.1	6	21.4
	45+	20	6.7	4	2.8	16	10.3
	Missing	2	0.0	0	0.0	2	0.0
	All Ages	247	31.1	86	21.9	161	40.0
2011	0-9	0	0.0	0	0.0	0	0.0
	10-14	2	3.6	1	3.6	1	3.7
	15-19	35	62.9	5	17.5	30	110.7
	20-24	111	196.7	47	163.6	64	231.1
	25-29	97	166.6	46	159.3	51	173.8
	30-34	28	50.9	9	33.0	19	68.4
	35-39	14	27.1	5	19.4	9	34.8
	40-44	10	17.6	3	10.6	7	24.5
	45+	28	9.2	12	8.3	16	10.1
	Missing	2	0.0	2	0.0	0	0.0
	All Ages	327	40.8	130	32.8	197	48.5
2012	0-9	0	0.0	0	0.0	0	0.0
	10-14	2	3.7	0	0.0	2	7.5
	15-19	34	65.3	6	22.4	28	111.0
	20-24	125	212.5	33	111.1	92	316.0
	25-29	77	130.1	34	115.3	43	144.9
	30-34	32	56.6	11	39.3	21	73.5
	35-39	31	60.6	12	47.3	19	73.7
	40-44	14	24.9	5	17.9	9	31.9
	45+	31	10.0	10	6.8	21	13.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	346	42.8	111	27.8	235	57.5
2013	0-9	0	0.0	0	0.0	0	0.0
	10-14	1	1.8	0	0.0	1	3.8
	15-19	32	63.2	4	15.4	28	113.7
	20-24	131	219.8	40	132.7	91	308.8
	25-29	94	159.8	35	119.4	59	199.9
	30-34	40	69.7	20	70.1	20	69.2
	35-39	19	36.8	7	27.3	12	46.1
	40-44	11	19.8	6	21.7	5	17.9
	45+	31	9.8	6	4.0	25	15.2
	Missing	4	0.0	2	0.0	2	0.0
	All Ages	364	44.7	120	29.8	243	59.0