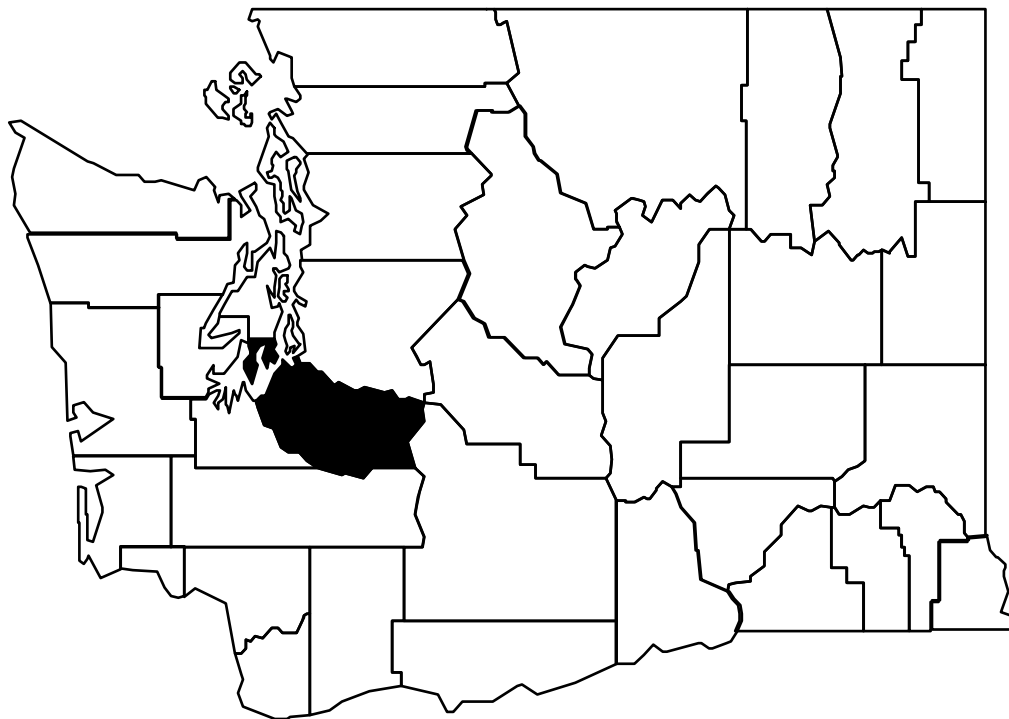


Sexually Transmitted Disease Profile

Pierce County 2012



Disease Control and Health Statistics
Infectious Disease Assessment Unit



Sexually Transmitted Disease Profile

Pierce County 2012



For persons with disabilities, this document is available in other formats. To submit a request, please call 1-800-525-0127 (TDD/TYY 1-800-833-6388).

Washington State Department of Health
Disease Control and Health Statistics
Infectious Disease Assessment Unit
Olympia, Washington
(360) 236-3455

DOH Pub# 347-634, July 2013

Contents

Introduction.....	1
Data Sources, Definitions, and Limitations	1
<u>County STD Trends</u>	
Table 1. Washington State Reportable Sexually Transmitted Diseases, 2012.	4
<u>Chlamydia</u>	
Figure 1. Chlamydia Cases and Incidence Rates per 100,000 population, 1993-2012	4
Figure 2. Age-specific Chlamydia Incidence Rates by Gender, 2012	5
Figure 3. Chlamydia Incidence Rates by Gender, 1993-2012	5
<u>Gonorrhea</u>	
Figure 4. Gonorrhea Cases and Incidence Rates per 100,000 population, 1993-2012	6
Figure 5. Age-specific Gonorrhea Incidence Rates by Gender, 2012	6
Figure 6. Gonorrhea Incidence Rates by Gender, 1993-2012	7
<u>Primary & Secondary Syphilis</u>	
Figure 7. Primary & Secondary Syphilis Cases and Incidence Rates, 1993-2012.	7
Figure 8. Age-specific Primary & Secondary Syphilis Incidence Rates by Gender, 2012	8
Figure 9. Primary & Secondary Syphilis Incidence Rates by Gender, 1993-2012.....	8
<u>Genital Herpes</u>	
Figure 10. Genital Herpes Cases and Incidence Rates per 100,000 population, 1993-2012.....	9
Figure 11. Age-specific Genital Herpes Incidence Rates by Gender, 2012	9
Figure 12. Genital Herpes Incidence Rates by Gender, 1993-2012.	10
<u>Data Tables</u>	
Table 2. Chlamydia Cases and Incidence Rates by Gender and Age Group	11
Table 3. Gonorrhea Cases and Incidence Rates by Gender and Age Group	13
Table 4. Primary & Secondary Syphilis Cases and Incidence Rate by Gender/Age Group	15
Table 5. Genital Herpes Cases and Incidence Rates by Gender and Age Group	17

Introduction

Sexually transmitted infections continue to be the most frequently diagnosed and reported notifiable conditions in Washington State. This report describes the sexually transmitted disease burden in Pierce County. Data are presented for the more commonly reported diseases of primary and secondary syphilis, chlamydial infection, gonorrhea and genital herpes when at least twenty (20) cases of disease were diagnosed in 2012 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 4, 2013.

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 were not presented for when the calculated relative standard error is 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, 2012.

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, 2012

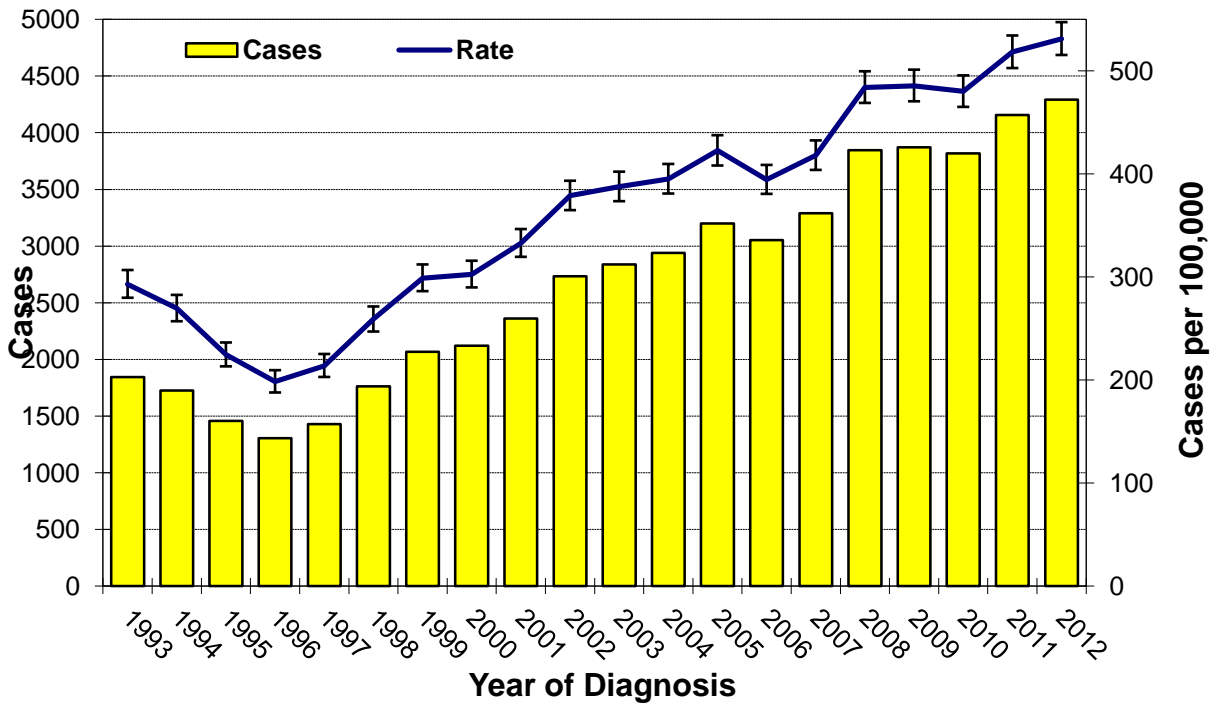
Disease	County Cases	County Rate§	WA State Rate
Chlamydia	4293	531.2	360.8
Gonorrhea	657	81.3	48.1
P&S Syphilis	22	2.7	4.4
Genital Herpes	346	42.8	32.2
Chancroid/GI/LGV	0		
Total	5318		

§ Crude incidence rate per 100,000 population.

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

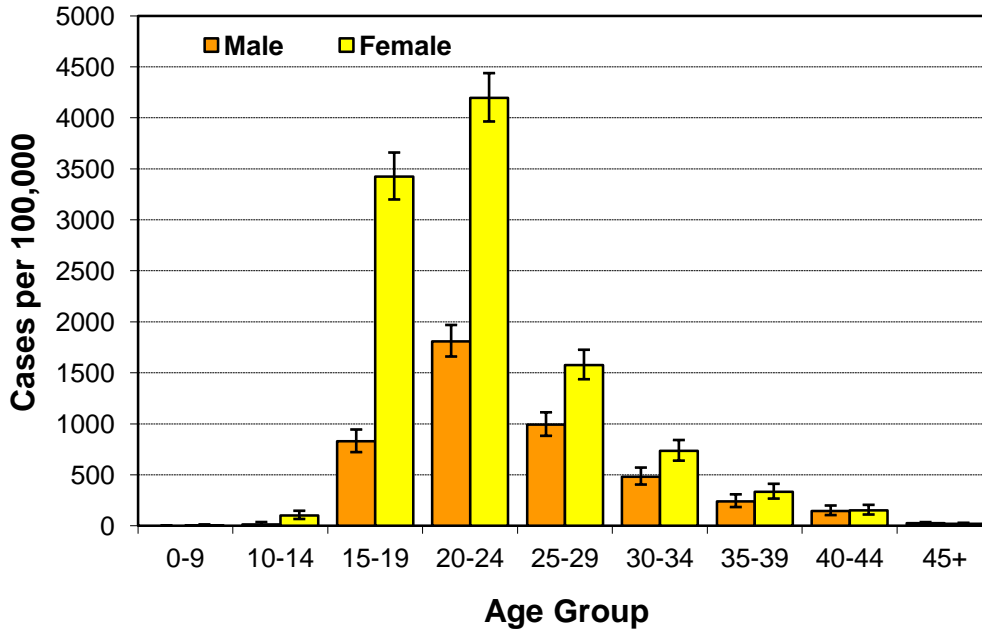
Chlamydia

Figure 1. Chlamydia Cases and Incidence Rates* per 100,000 population, Pierce County, 1993-2012



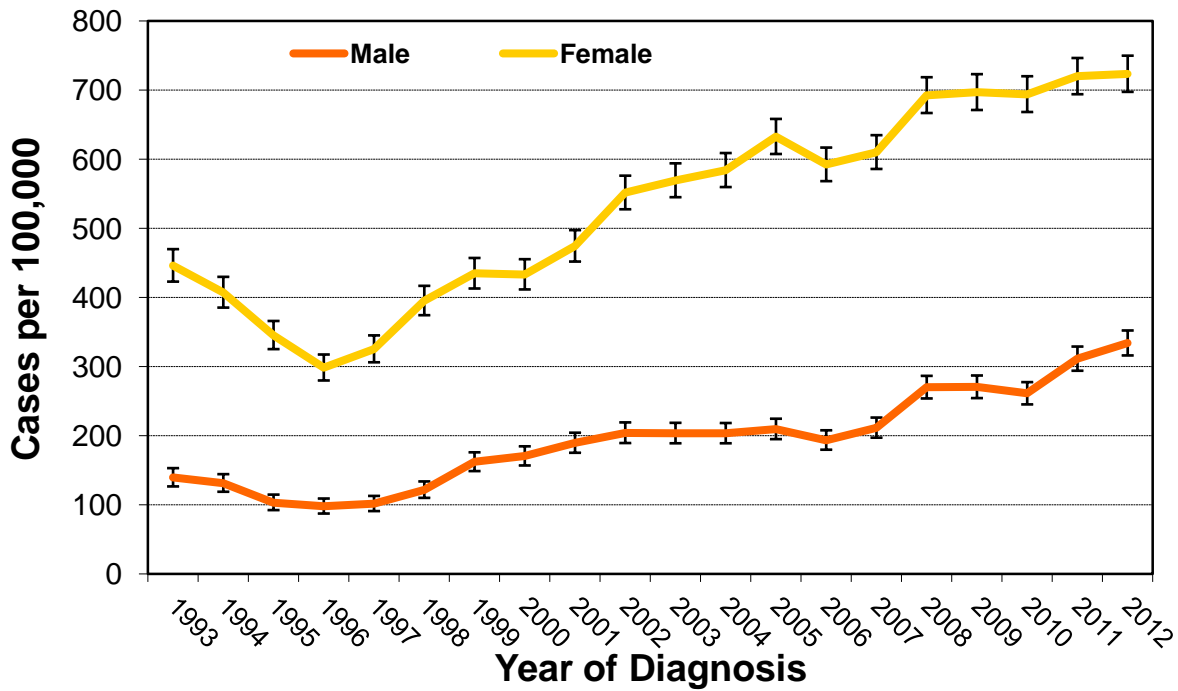
* Crude incidence rate with 95% confidence intervals.

Figure 2. Age-specific Chlamydia Incidence Rates* by Gender, Pierce County, 2012



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

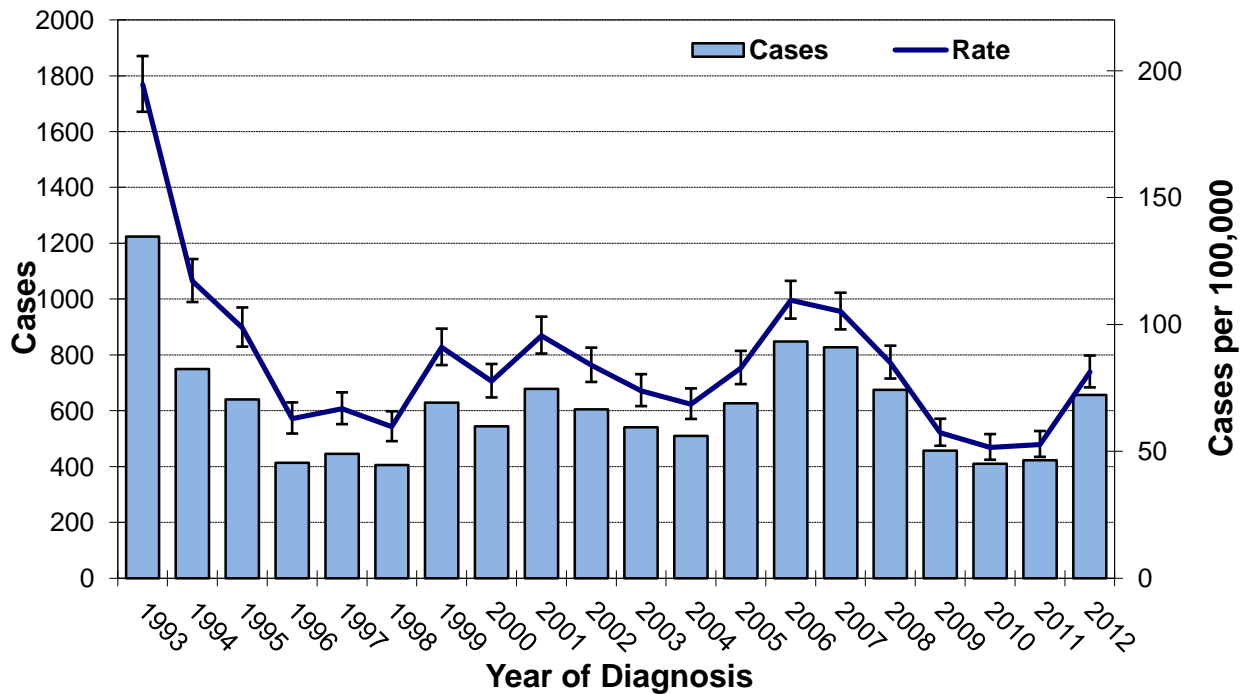
Figure 3. Chlamydia Incidence Rates by Gender*, Pierce County, 1993-2012



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

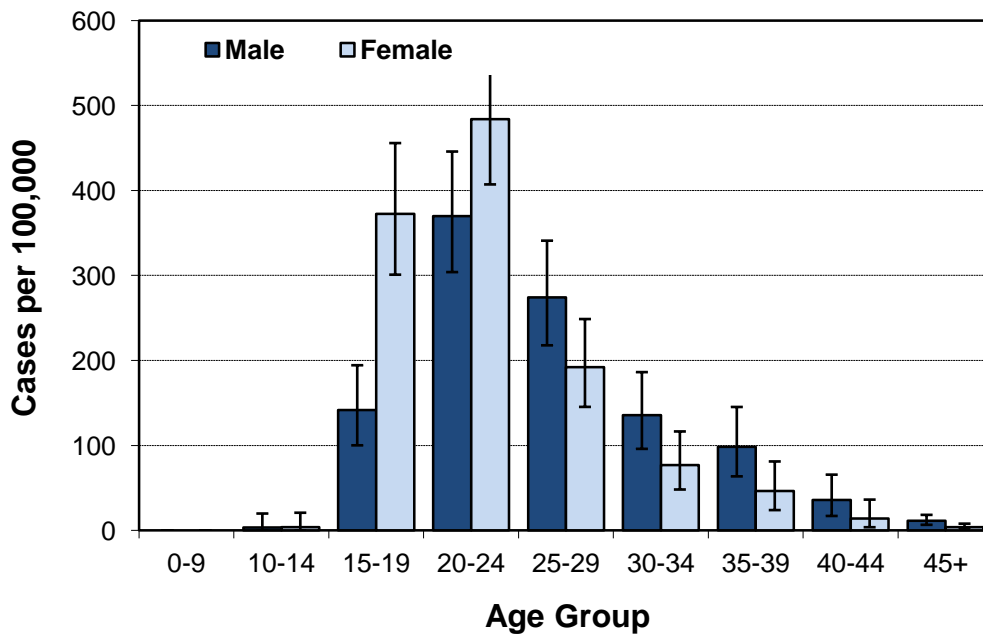
Gonorrhea

Figure 4. Gonorrhea Cases and Incidence Rates* per 100,000 population, Pierce County, 1993-2012



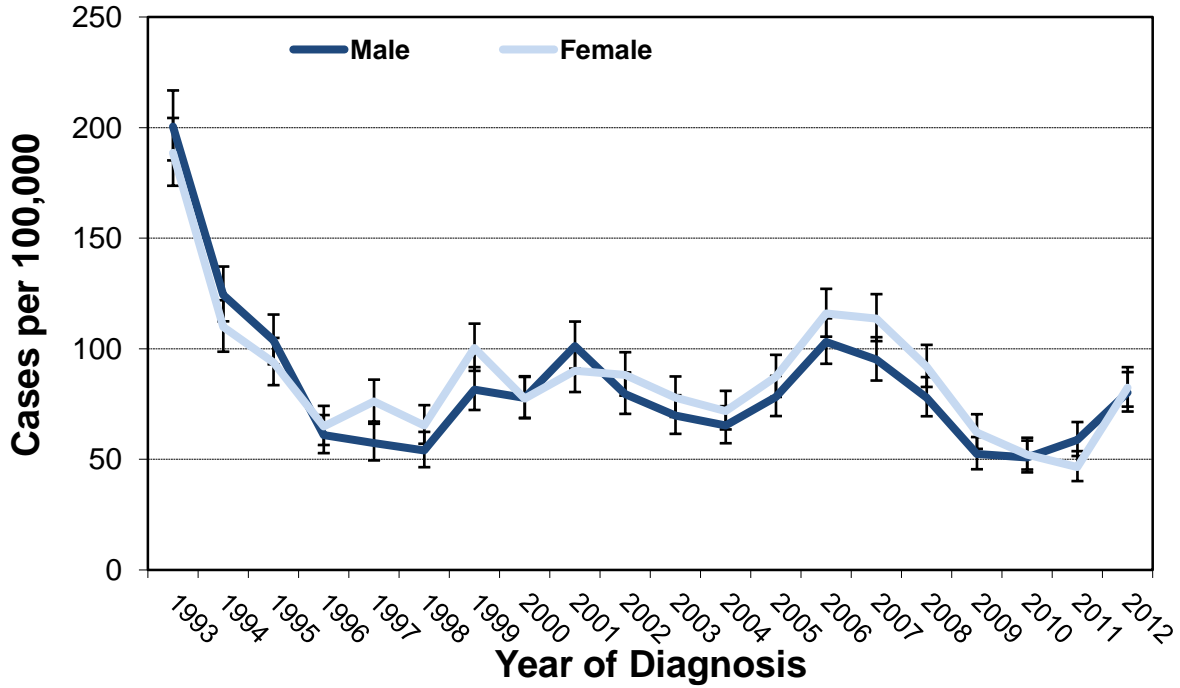
* Crude incidence rate with 95% confidence intervals.

Figure 5. Age-specific Gonorrhea Incidence Rates* by Gender, Pierce County, 2012



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

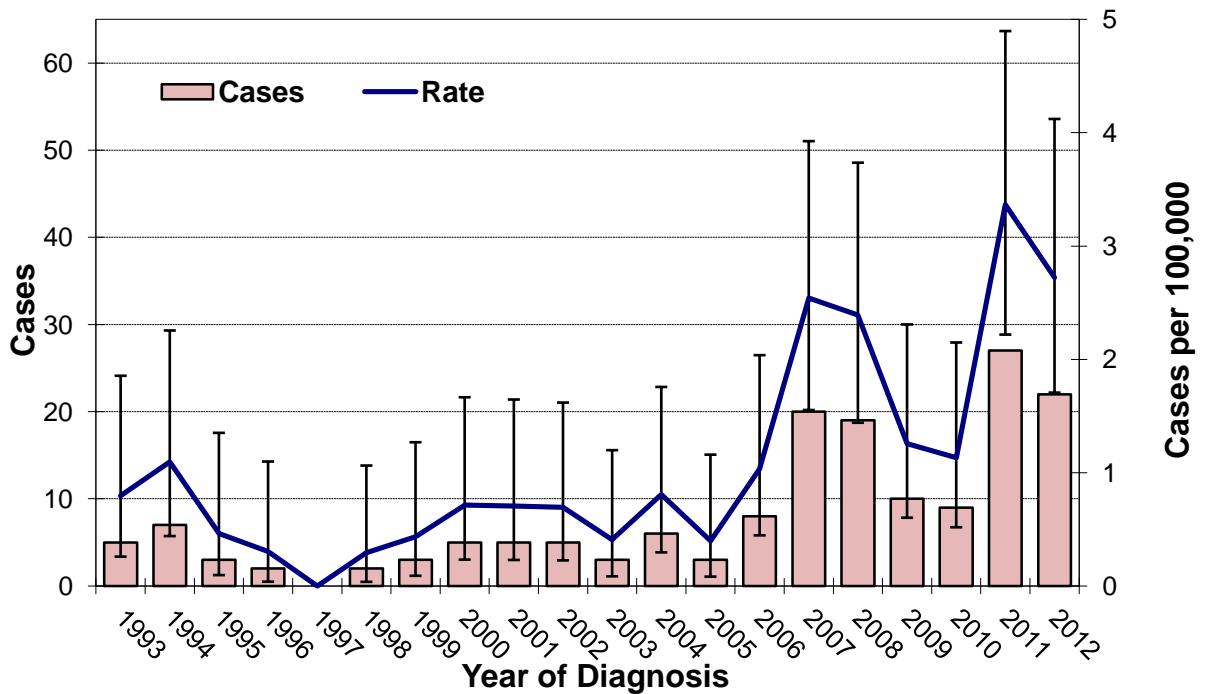
Figure 6. Gonorrhea Incidence Rates by Gender*, Pierce County, 1993-2012



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

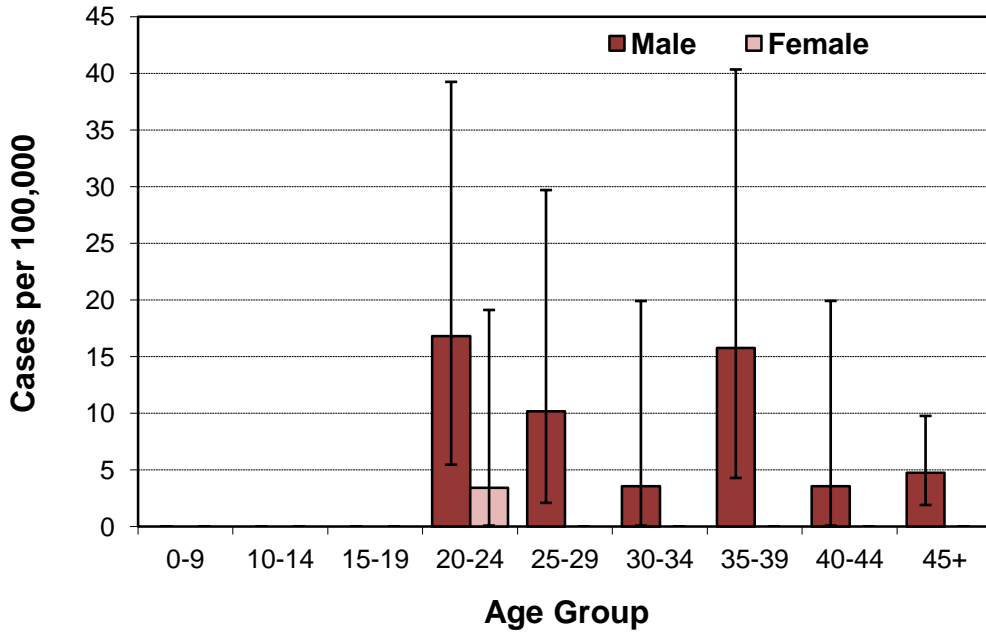
Primary and Secondary Syphilis

Figure 7. Primary and Secondary Syphilis Cases and Incidence Rates* per 100,000 population, Pierce County, 1993-2012



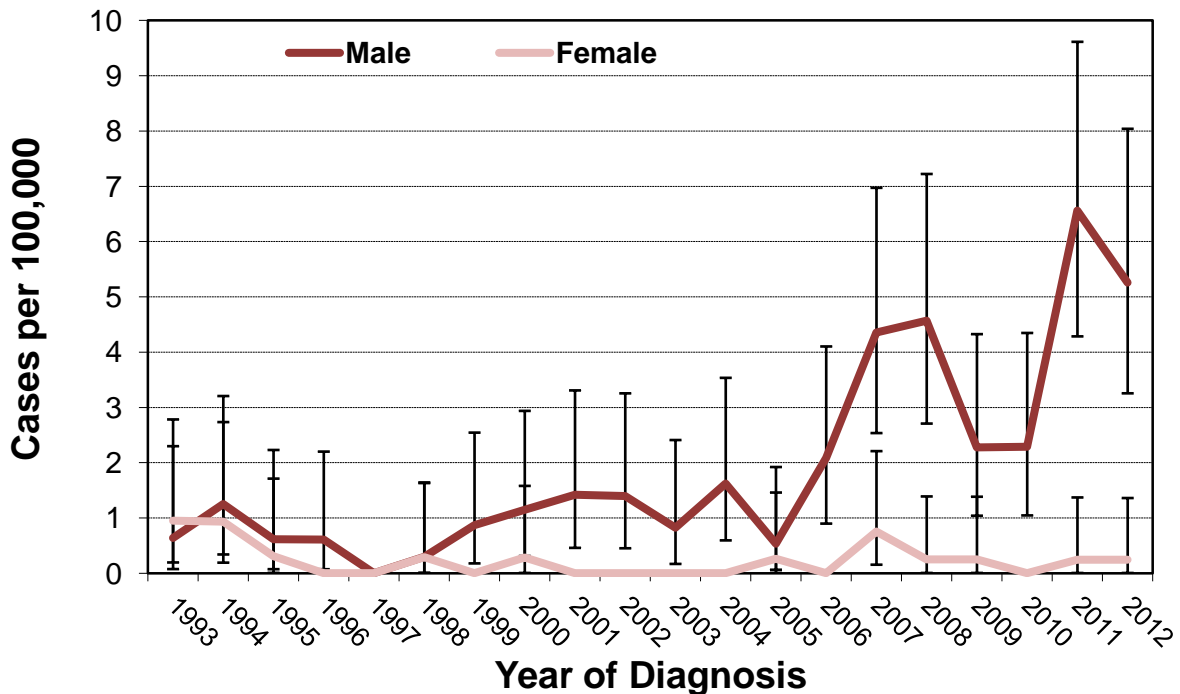
* Crude incidence rate with 95% confidence intervals.

Figure 8. Age-specific Primary and Secondary Syphilis Incidence Rates* by Gender, Pierce County, 2012



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

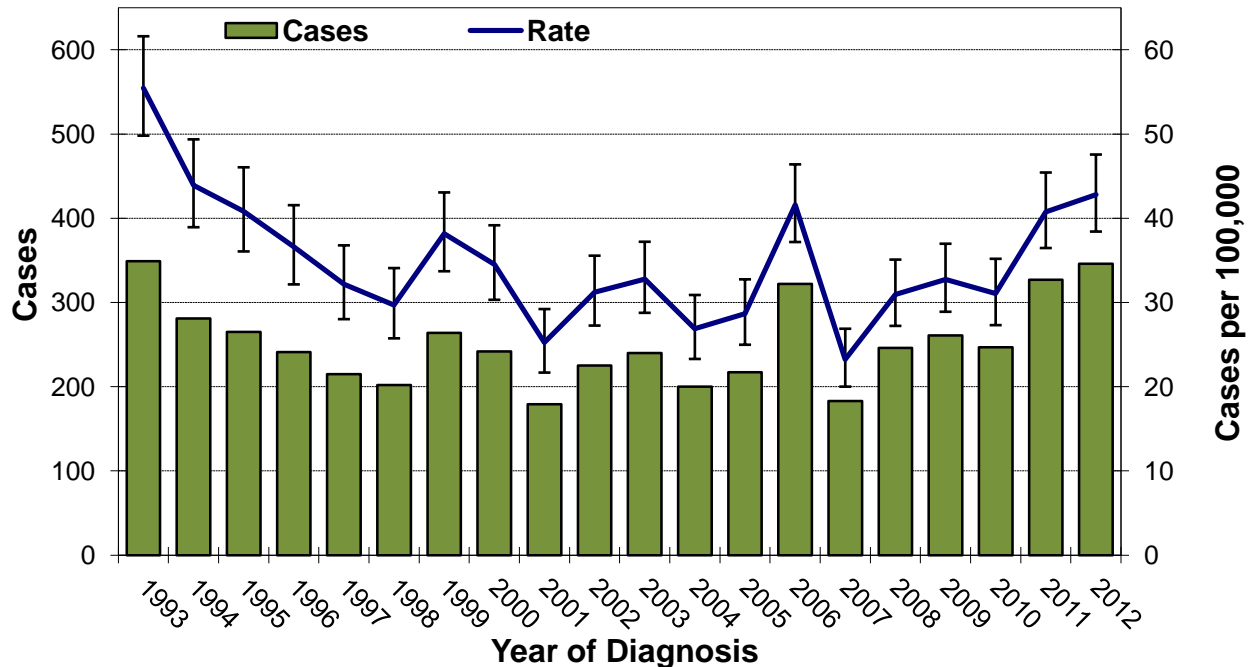
Figure 9. Primary and Secondary Syphilis Incidence Rates by Gender*, Pierce County, 1993-2012



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

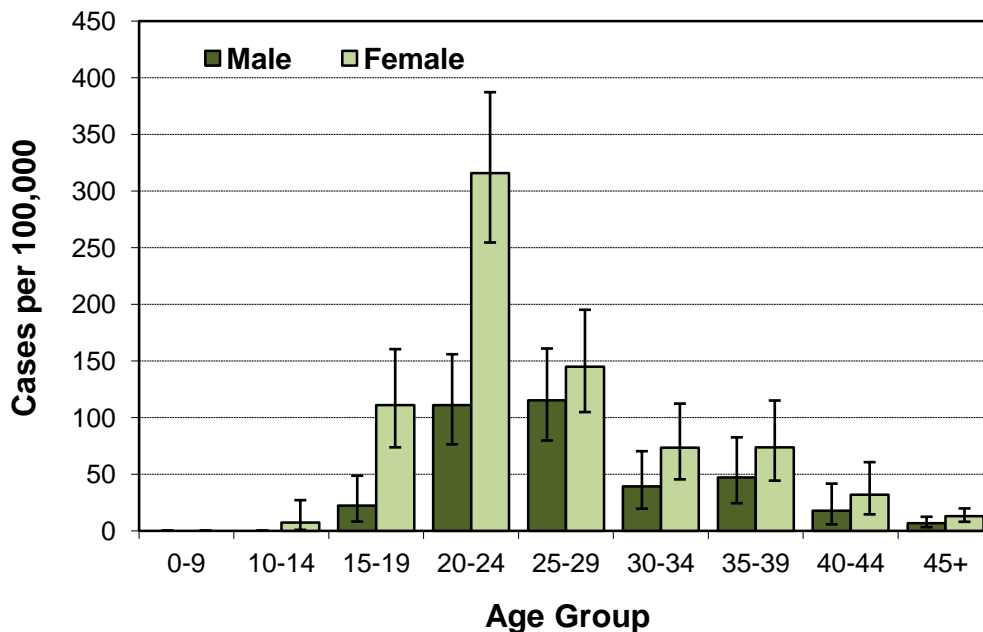
Genital Herpes

Figure 10. Genital Herpes Cases and Incidence Rates* per 100,000 population, Pierce County, 1993-2012



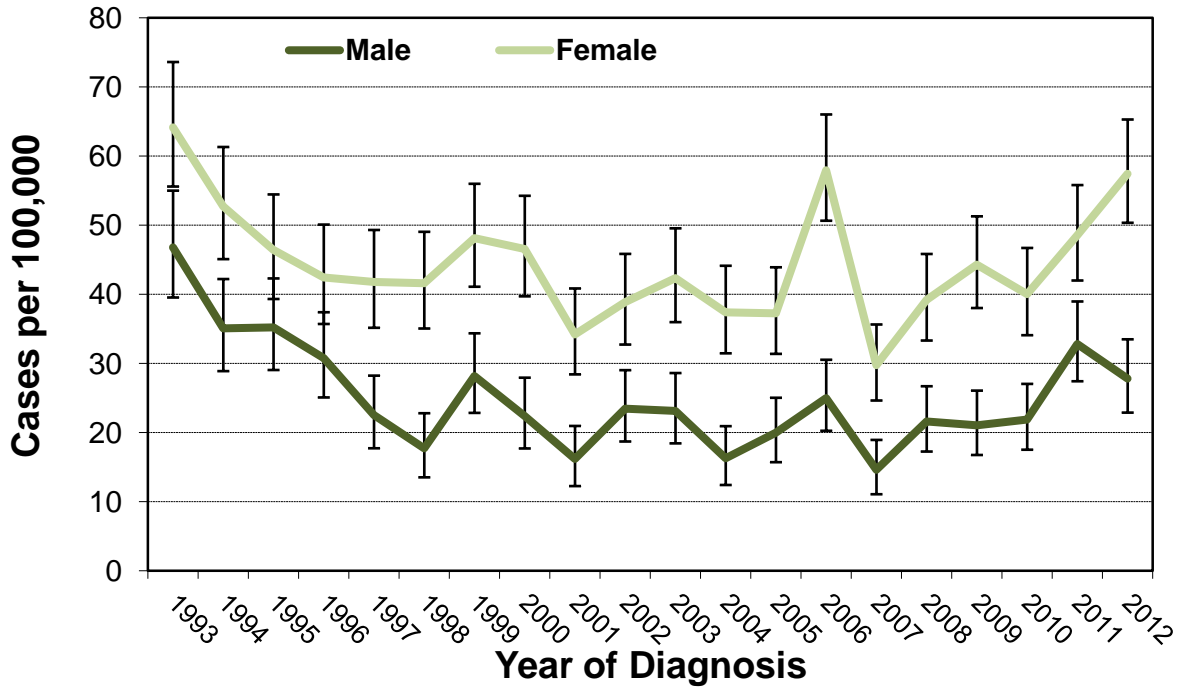
* Crude incidence rate with 95% confidence intervals.

Figure 11. Age-specific Genital Herpes Incidence Rates* by Gender, Pierce County, 2012



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

Figure 12. Genital Herpes Incidence Rates by Gender*, Pierce County, 1993-2012



* 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
2003	0-9	0	0.0	0	0.0	0	0.0
	10-14	35	61.5	1	3.4	34	122.9
	15-19	961	1,765.1	154	553.5	807	3,031.4
	20-24	1137	2,135.0	334	1,215.7	803	3,114.8
	25-29	387	806.1	136	559.4	251	1,059.1
	30-34	174	322.5	52	191.4	122	455.3
	35-39	71	127.7	33	117.3	38	138.4
	40-44	34	56.7	11	36.8	23	76.4
	45+	22	8.9	13	11.1	9	6.9
	Missing	16	0.0	6	0.0	10	0.0
	All Ages	2837	387.6	740	203.5	2097	569.3
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	1164	2,117.9	306	1,082.4	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	2938	395.1	751	203.4	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	1016	1,778.7	151	516.9	865	3,099.5
	20-24	1160	2,000.1	290	977.7	870	3,070.2
	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

Continued Table 2. Chlamydia

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
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
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	1.9
	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	0.0
	10-14	19	34.6	2	7.1	17	63.3
	15-19	1118	2,071.3	202	727.3	916	3,496.3
	20-24	1805	3,124.1	554	1,896.5	1251	4,379.5
	25-29	717	1,217.1	278	947.0	439	1,485.5
	30-34	254	459.4	87	318.7	167	596.6
	35-39	117	227.5	49	191.6	68	263.0
	40-44	73	129.9	34	121.6	39	138.1
	45+	52	17.1	27	18.6	25	15.7
	Missing	1	0.0	0	0.0	1	0.0
	All Ages	4158	518.4	1233	311.2	2923	720.1
2012	0-9	2	1.8	0	0.0	2	3.7
	10-14	31	56.9	4	14.3	27	101.3
	15-19	1086	2,086.0	222	827.6	864	3,423.6
	20-24	1761	2,990.7	538	1,809.3	1223	4,195.9
	25-29	761	1,285.3	293	992.4	468	1,576.6
	30-34	345	609.8	135	482.3	210	734.7
	35-39	147	287.2	61	240.2	86	333.4
	40-44	84	149.6	41	146.5	43	152.6
	45+	73	23.6	39	26.4	34	21.0
	Missing	2	0.0	0	0.0	2	0.0
	All Ages	4293	531.2	1333	333.9	2959	723.5

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

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
2003	0-9	0	0.0	0	0.0	0	0.0
	10-14	10	17.6	0	0.0	10	36.1
	15-19	133	244.3	31	111.4	102	383.2
	20-24	155	291.1	65	236.6	90	349.1
	25-29	78	162.5	49	201.6	29	122.4
	30-34	62	114.9	30	110.4	32	119.4
	35-39	38	68.4	32	113.8	6	21.8
	40-44	28	46.7	17	56.9	11	36.6
	45+	34	13.8	29	24.9	5	3.9
	Missing	3	0.0	1	0.0	2	0.0
	All Ages	541	73.9	254	69.9	287	77.9
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	55	92.6	39	131.7	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	848	109.6	396	103.1	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	140	247.7	76	269.2	64	226.3
	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	827	105.1	371	95.1	451	113.7

Continued Table 3. Gonorrhea

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
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
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	86	159.3	34	122.4	52	198.5
	20-24	169	292.5	90	308.1	79	276.6
	25-29	80	135.8	49	166.9	31	104.9
	30-34	35	63.3	20	73.3	15	53.6
	35-39	18	35.0	11	43.0	7	27.1
	40-44	8	14.2	8	28.6	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	423	52.7	233	58.8	189	46.6
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	253.5	38	141.7	94	372.5
	20-24	251	426.3	110	369.9	141	483.7
	25-29	138	233.1	81	274.3	57	192.0
	30-34	60	106.1	38	135.8	22	77.0
	35-39	37	72.3	25	98.5	12	46.5
	40-44	14	24.9	10	35.7	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	657	81.3	320	80.2	337	82.4

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

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
2003	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	4.2	2	8.2	0	0.0
	30-34	1	1.9	1	3.7	0	0.0
	35-39	0	0.0	0	0.0	0	0.0
	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	3	0.8	0	0.0
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

Continued Table 4. P&S Syphilis

Age Group	Total		Males		Females		
	Cases	Rate	Cases	Rate	Cases	Rate	
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
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	19.0	10	34.2	1	3.5
	25-29	3	5.1	3	10.2	0	0.0
	30-34	2	3.6	2	7.3	0	0.0
	35-39	4	7.8	4	15.6	0	0.0
	40-44	3	5.3	3	10.7	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

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

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
2003	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	40	73.5	5	18.0	35	131.5
	20-24	85	159.6	31	112.8	54	209.5
	25-29	44	91.6	17	69.9	27	113.9
	30-34	20	37.1	13	47.9	7	26.1
	35-39	17	30.6	5	17.8	12	43.7
	40-44	12	20.0	6	20.1	6	19.9
	45+	13	5.3	6	5.1	7	5.4
	Missing	9	0.0	1	0.0	8	0.0
All Ages	240	32.8	84	23.1	156	42.4	
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	

Continued Table 5. Genital Herpes

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
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
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	64.8	5	18.0	30	114.5
	20-24	111	192.1	47	160.9	64	224.1
	25-29	97	164.7	46	156.7	51	172.6
	30-34	28	50.6	9	33.0	19	67.9
	35-39	14	27.2	5	19.6	9	34.8
	40-44	10	17.8	3	10.7	7	24.8
	45+	28	9.2	12	8.3	16	10.0
	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	110.9
	20-24	125	212.3	33	111.0	92	315.6
	25-29	77	130.0	34	115.2	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