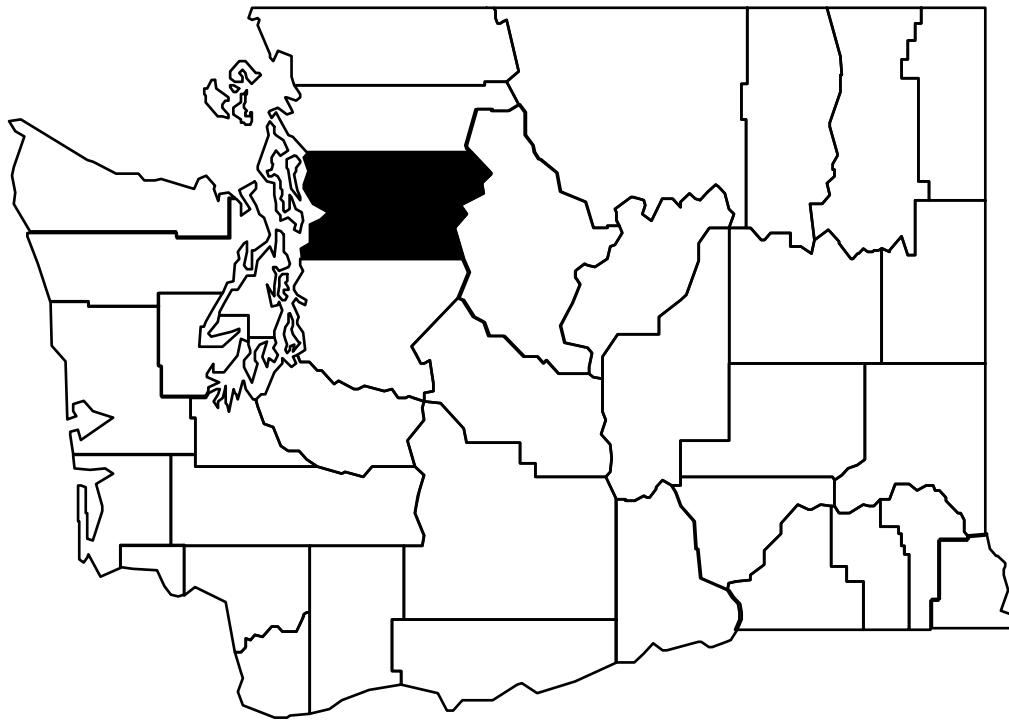


Sexually Transmitted Disease Profile

Snohomish County 2013



Disease Control and Health Statistics
Infectious Disease Assessment Unit



Sexually Transmitted Disease Profile

Snohomish County 2013



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

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 Snohomish 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.

Snohomish County STD Disease Trends

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

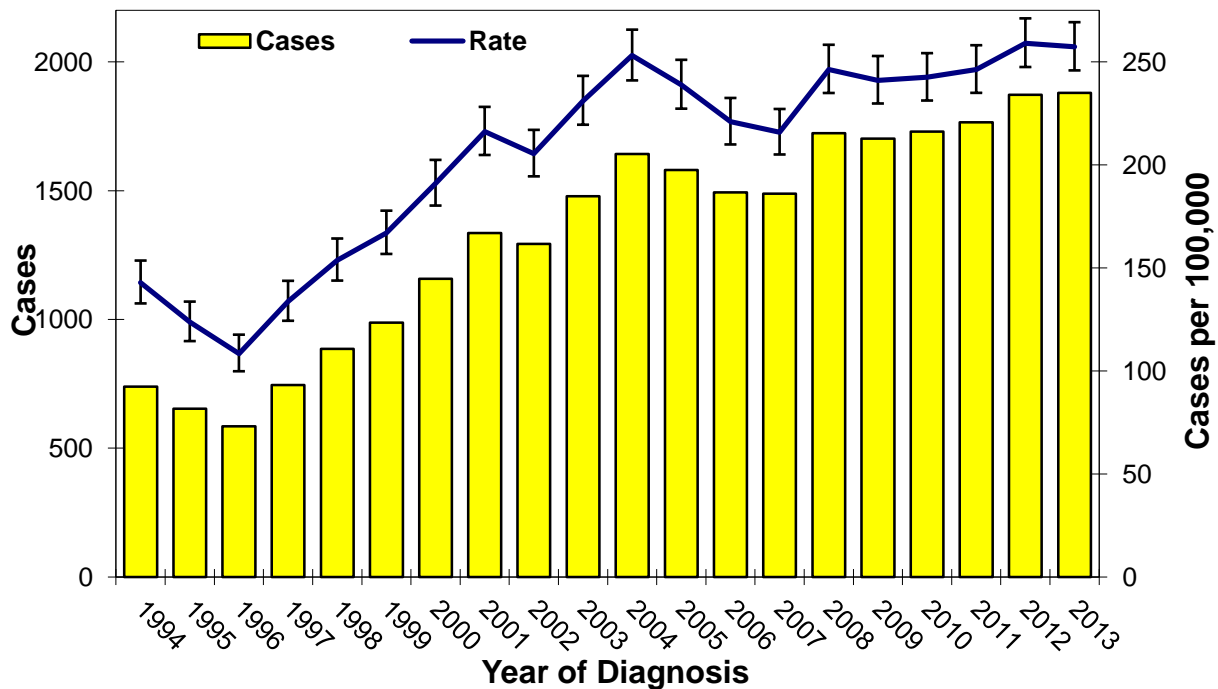
Disease	County Cases	County Rate§	WA State Rate
Chlamydia	1880	257.4	363.4
Gonorrhea	251	34.4	63.8
P&S Syphilis	13	1.8	4.1
Genital Herpes	282	38.6	32.1
Chancroid/GI/LGV	0		
Total	2426		

§ Crude incidence rate per 100,000 population.

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

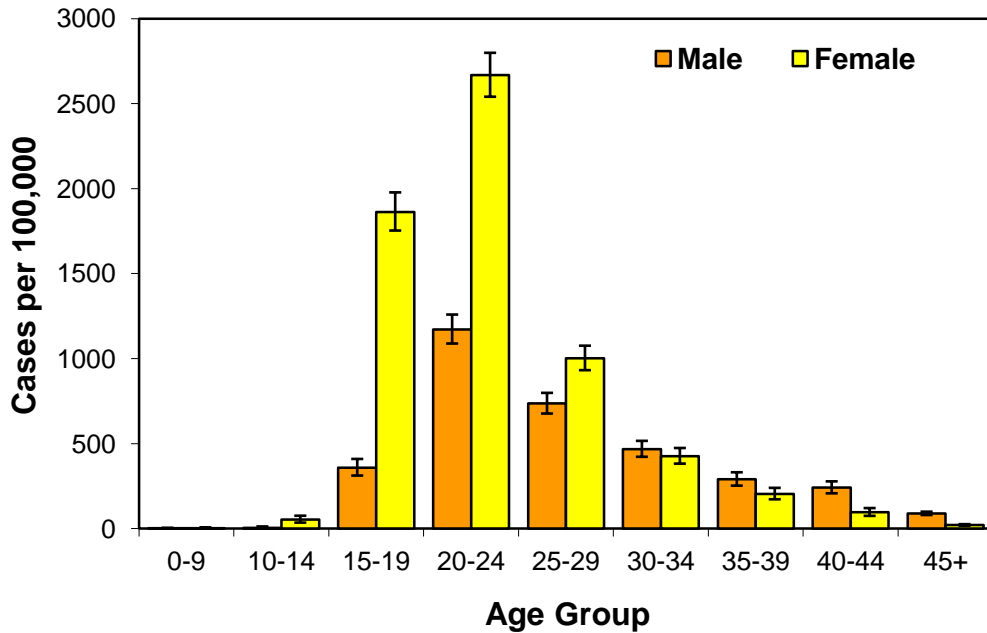
Chlamydia

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



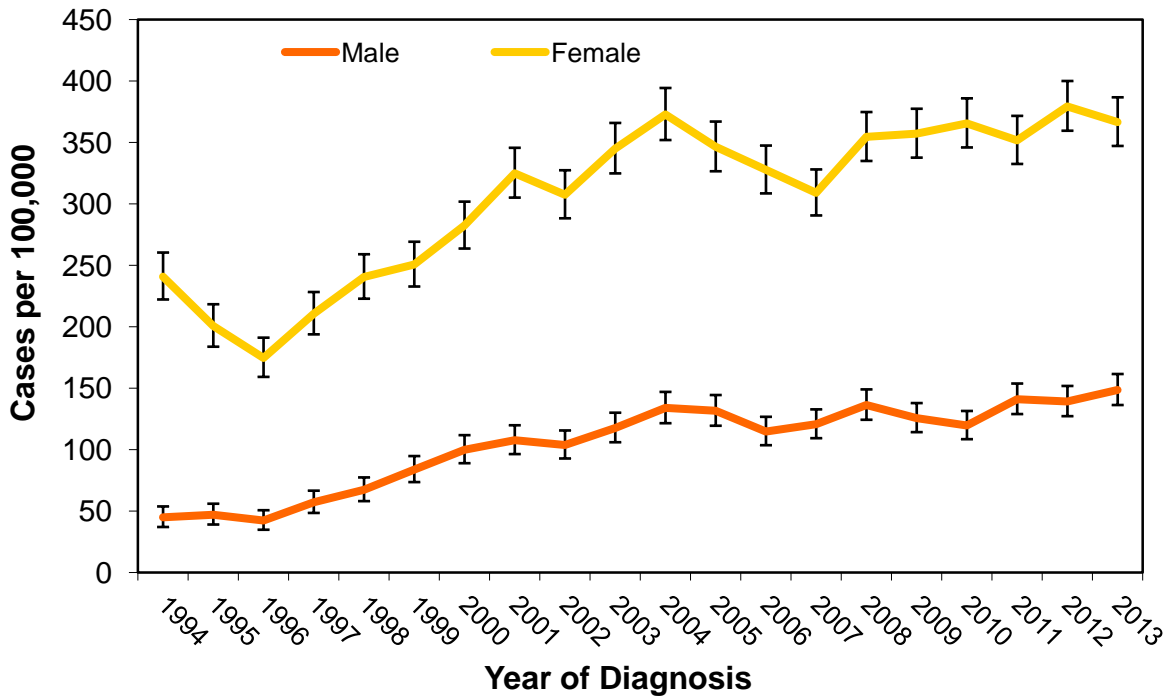
* Crude incidence rate with 95% confidence intervals.

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



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

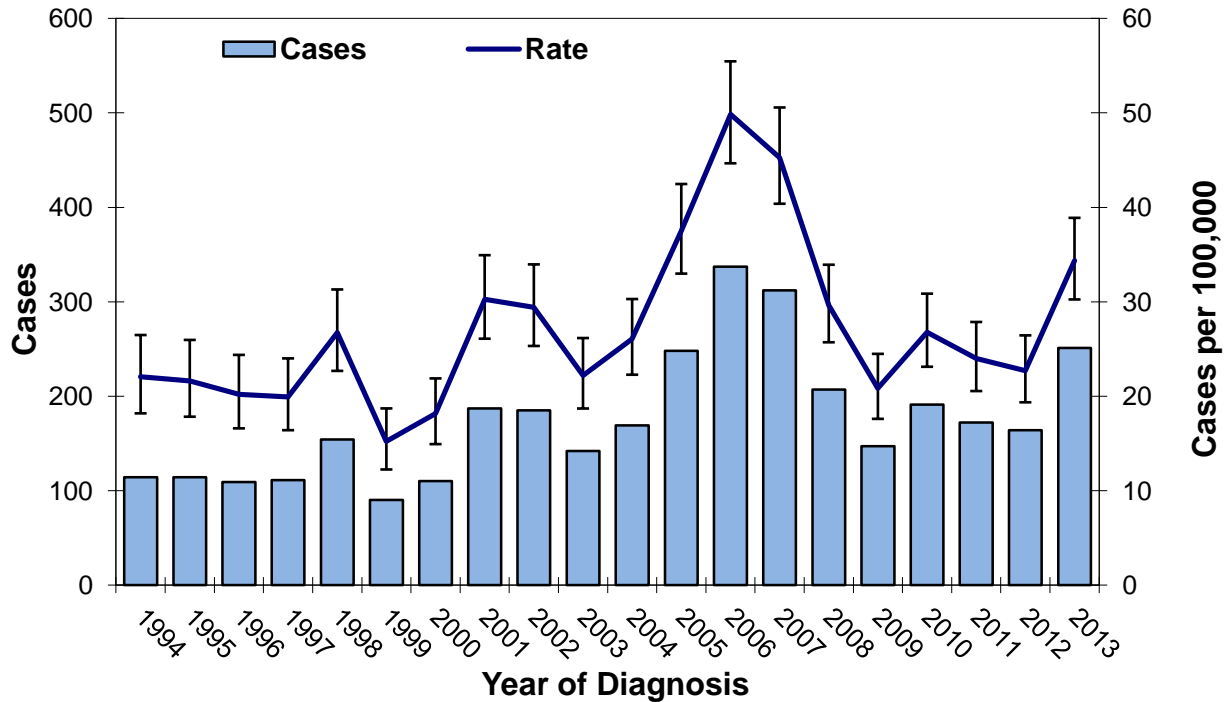
Figure 3. Chlamydia Incidence Rates by Gender*, Snohomish County, 1994-2013



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

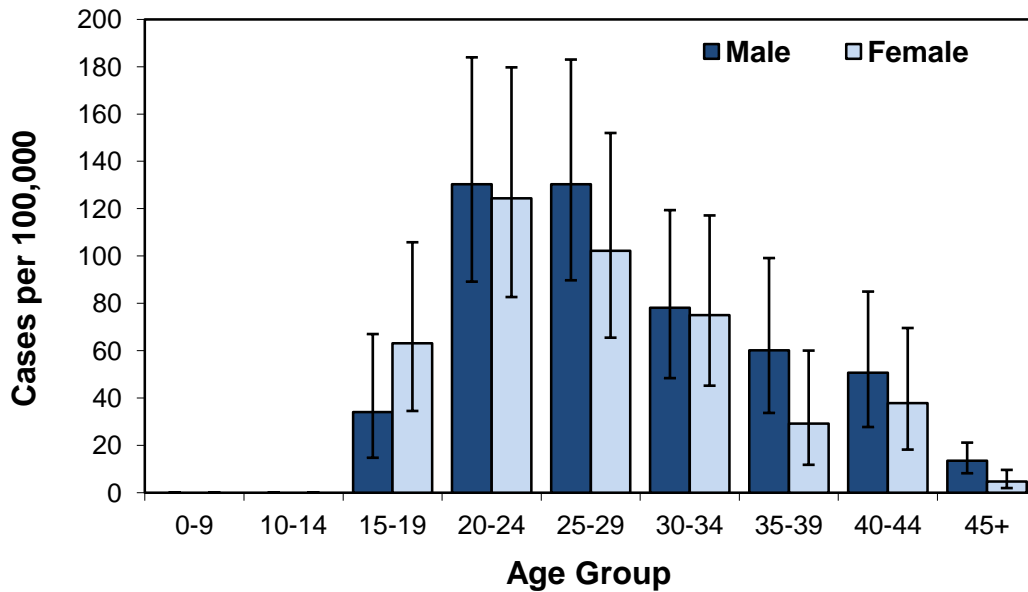
Gonorrhea

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



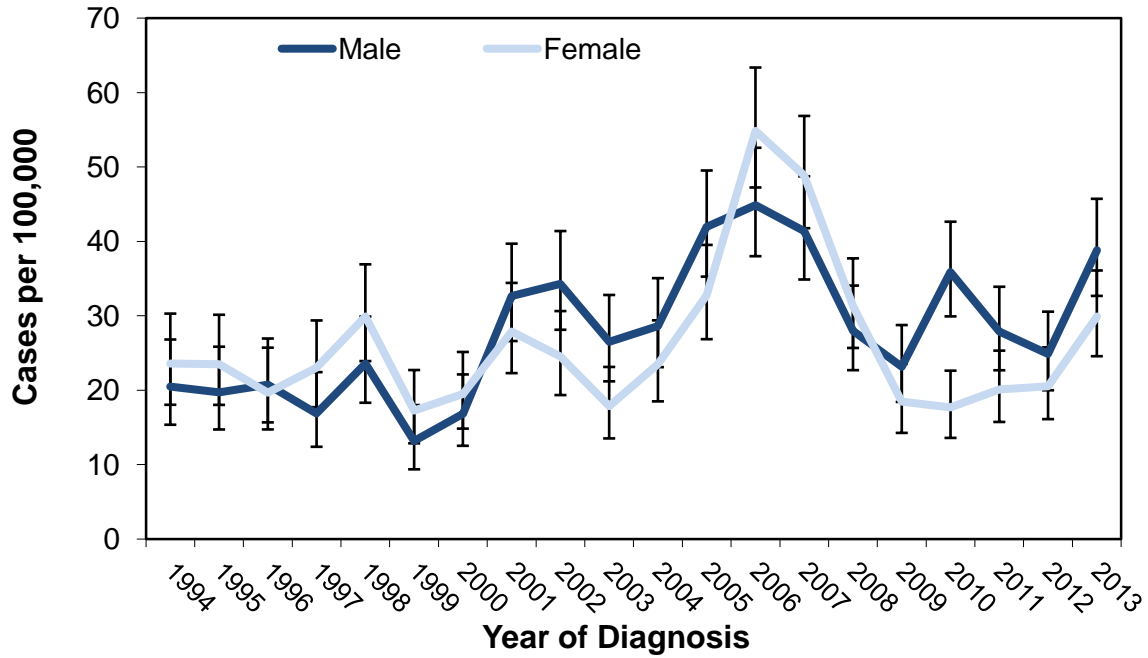
* Crude incidence rate with 95% confidence intervals.

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



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

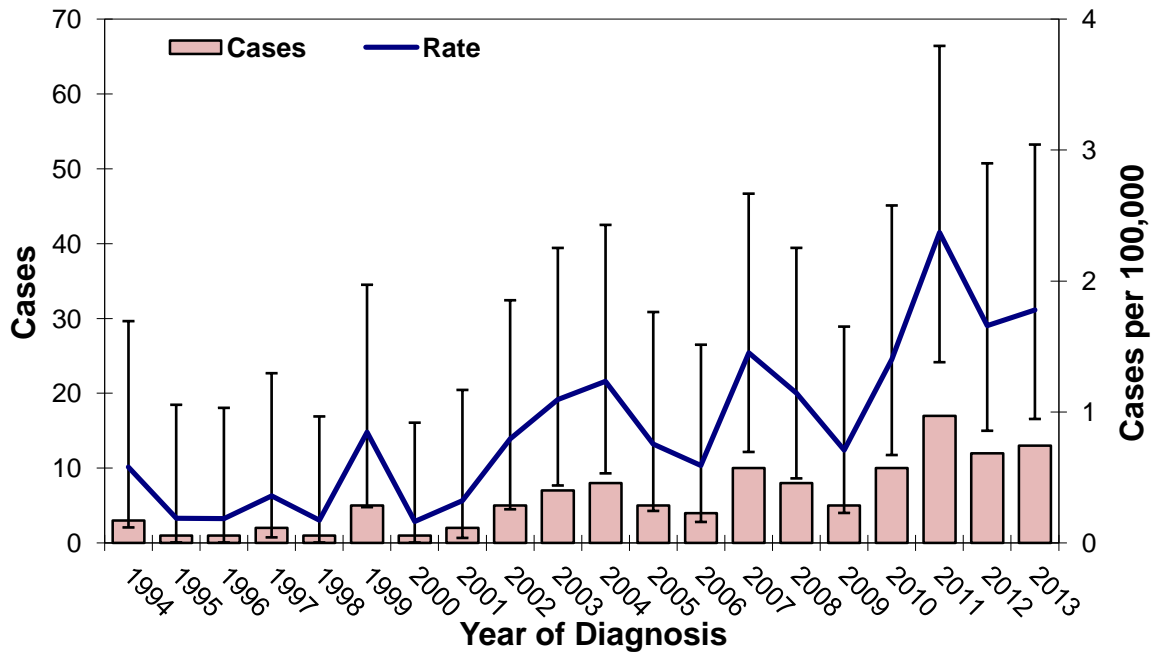
Figure 6. Gonorrhea Incidence Rates by Gender*, Snohomish County, 1994-2013



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

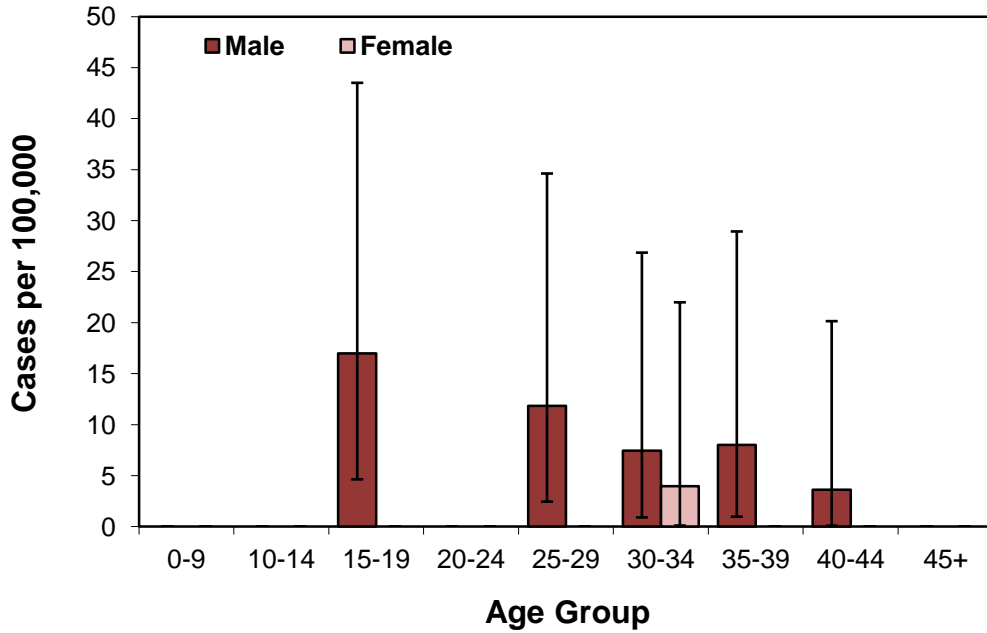
Primary and Secondary Syphilis

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



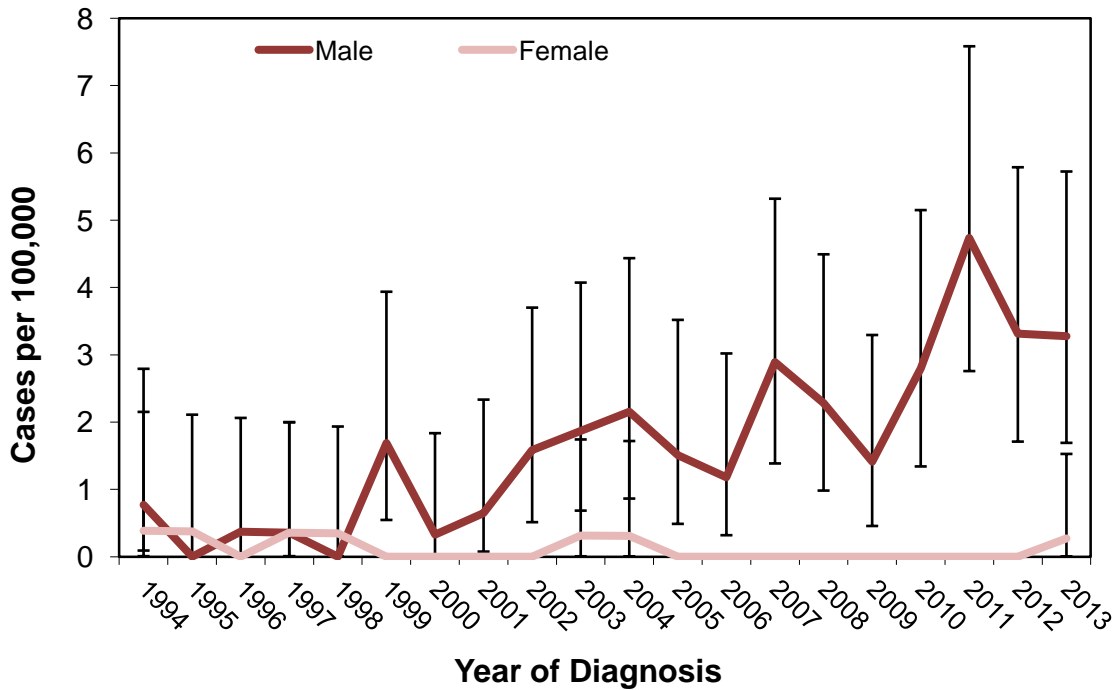
* Crude incidence rate with 95% confidence intervals.

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



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

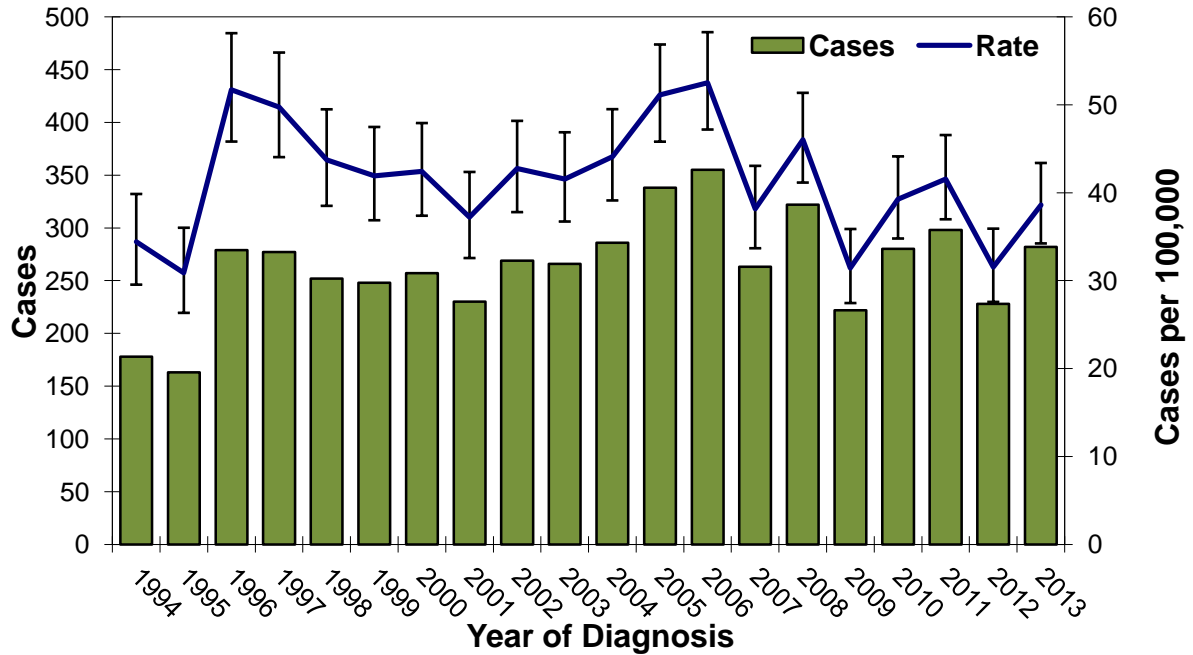
Figure 9. Primary and Secondary Syphilis Incidence Rates by Gender*, Snohomish County, 1994-2013



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

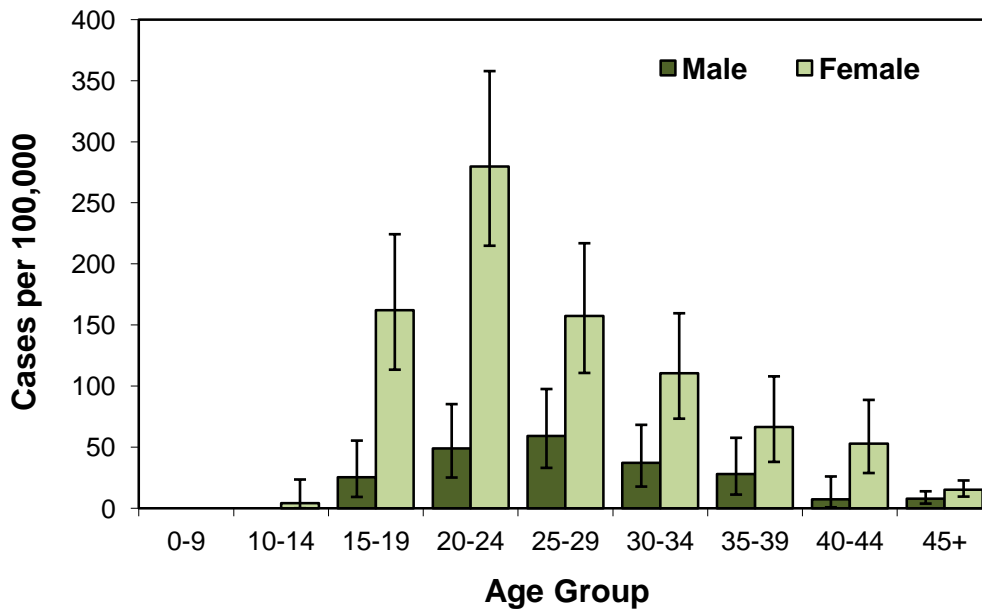
Genital Herpes

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



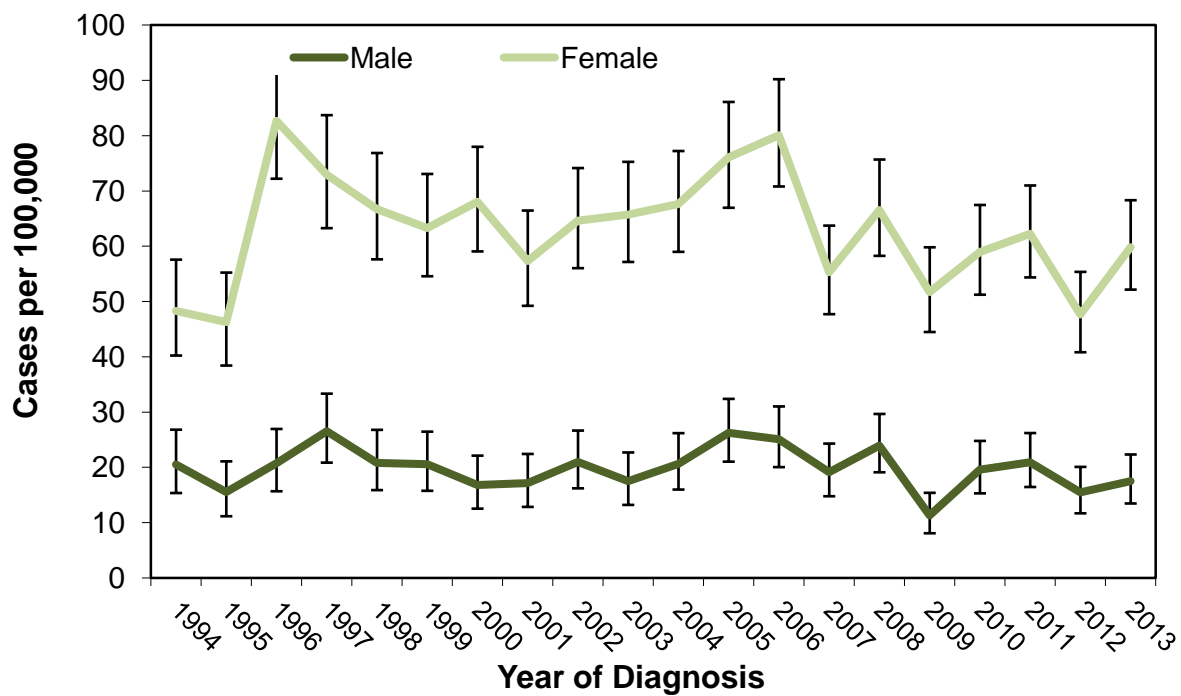
* Crude incidence rate with 95% confidence intervals.

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



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

Figure 12. Genital Herpes Incidence Rates by Gender*, Snohomish 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	1.1	1	2.2	0	0.0
	10-14	32	64.6	0	0.0	32	132.5
	15-19	513	1,113.5	75	317.7	438	1,949.6
	20-24	643	1,536.5	183	836.9	460	2,302.2
	25-29	244	584.7	88	413.8	156	762.3
	30-34	81	168.6	31	126.0	50	213.4
	35-39	43	83.3	15	56.6	28	111.5
	40-44	35	61.6	24	83.0	11	39.4
	45+	13	5.8	10	9.4	3	2.6
	Missing	37	0.0	8	0.0	29	0.0
	All Ages	1642	253.1	435	133.8	1207	372.8
2005	0-9	1	1.1	0	0.0	1	2.3
	10-14	9	18.3	0	0.0	9	37.4
	15-19	464	984.0	63	260.3	401	1,747.0
	20-24	618	1,438.0	173	771.1	445	2,166.5
	25-29	244	565.1	98	444.9	146	690.3
	30-34	86	183.1	39	162.1	47	205.2
	35-39	51	98.1	21	78.6	30	118.8
	40-44	20	35.3	10	34.7	10	35.9
	45+	21	9.0	16	14.4	5	4.1
	Missing	65	0.0	16	0.0	49	0.0
	All Ages	1580	238.9	436	131.6	1143	346.4
2006	0-9	0	0.0	0	0.0	0	0.0
	10-14	12	24.5	1	4.0	11	45.9
	15-19	474	981.0	59	237.6	415	1,767.2
	20-24	559	1,259.5	132	570.0	427	2,011.8
	25-29	251	552.1	98	423.0	153	686.4
	30-34	96	207.6	44	185.5	52	230.8
	35-39	53	99.9	25	91.6	28	108.8
	40-44	31	55.4	19	66.6	12	43.8
	45+	14	5.8	9	7.8	5	4.0
	Missing	4	0.0	2	0.0	2	0.0
	All Ages	1494	221.0	389	114.8	1105	327.7
2007	0-9	1	1.1	0	0.0	1	2.2
	10-14	17	34.9	0	0.0	17	71.4
	15-19	425	861.2	68	267.7	357	1,490.9
	20-24	596	1,319.3	152	646.3	444	2,050.3
	25-29	253	532.9	98	404.5	155	666.8
	30-34	79	170.8	51	214.8	28	124.4
	35-39	43	80.3	16	57.9	27	104.0
	40-44	23	41.8	13	46.3	10	37.1
	45+	22	8.8	12	10.0	10	7.7
	Missing	20	0.0	7	0.0	13	0.0
	All Ages	1488	215.9	417	120.7	1062	309.0
2008	0-9	0	0.0	0	0.0	0	0.0
	10-14	19	39.2	0	0.0	19	80.2
	15-19	531	1,065.7	89	346.2	442	1,832.6
	20-24	645	1,419.0	169	715.8	476	2,179.2
	25-29	285	579.4	109	432.8	176	733.2
	30-34	109	232.8	50	207.8	59	259.2
	35-39	53	99.9	21	76.9	32	124.4
	40-44	34	62.8	17	61.4	17	64.2
	45+	35	13.6	22	17.7	13	9.7
	Missing	3	0.0	1	0.0	2	0.0
	All Ages	1723	246.4	478	136.3	1236	354.5

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	21	43.5	1	4.1	20	84.5
	15-19	520	1,047.2	92	358.7	428	1,782.4
	20-24	631	1,387.9	158	669.8	473	2,162.3
	25-29	293	583.8	95	369.2	198	809.6
	30-34	121	254.4	48	196.0	73	316.5
	35-39	68	131.4	29	109.1	39	154.9
	40-44	24	44.7	9	32.7	15	57.3
	45+	24	9.1	13	10.2	11	8.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	1702	241.1	445	125.7	1257	357.2
2010	0-9	2	2.1	1	2.1	1	2.2
	10-14	10	20.5	0	0.0	10	42.0
	15-19	522	1,053.2	83	323.5	439	1,836.2
	20-24	667	1,501.8	137	589.1	530	2,505.2
	25-29	276	553.7	97	380.0	179	736.0
	30-34	123	249.2	41	162.5	82	339.9
	35-39	56	110.5	26	101.0	30	120.4
	40-44	36	66.9	19	69.3	17	64.4
	45+	38	13.9	23	17.6	15	10.6
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	1730	242.5	427	119.6	1303	365.6
2011	0-9	1	1.1	0	0.0	1	2.2
	10-14	18	37.0	1	4.0	17	71.4
	15-19	522	1,068.3	85	336.1	437	1,854.1
	20-24	649	1,460.5	169	726.7	480	2,266.3
	25-29	307	619.0	125	491.3	182	753.6
	30-34	142	281.9	62	240.8	80	324.8
	35-39	66	133.7	28	111.8	38	156.3
	40-44	33	60.3	20	71.6	13	48.5
	45+	28	10.1	16	12.0	12	8.4
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	1766	246.3	506	141.0	1260	351.8
2012	0-9	1	1.1	1	2.1	0	0.0
	10-14	12	24.9	4	16.2	8	33.9
	15-19	483	1,024.0	85	349.6	398	1,741.7
	20-24	746	1,630.8	182	757.1	564	2,598.7
	25-29	340	689.6	110	431.4	230	966.3
	30-34	157	306.0	62	235.5	95	380.4
	35-39	71	146.6	26	105.6	45	188.9
	40-44	25	45.8	9	32.2	16	59.9
	45+	37	13.0	25	18.2	12	8.1
	Missing	1	0.0	0	0.0	1	0.0
	All Ages	1873	259.1	504	139.2	1369	379.5
2013	0-9	0	0.0	0	0.0	0	0.0
	10-14	15	31.2	2	8.2	13	55.1
	15-19	449	981.4	68	288.9	381	1,715.4
	20-24	753	1,599.3	187	761.3	566	2,513.1
	25-29	330	675.8	118	465.9	212	902.1
	30-34	147	281.4	59	219.3	88	347.3
	35-39	85	173.4	41	164.2	44	183.0
	40-44	37	68.4	23	83.1	14	52.9
	45+	63	21.6	45	32.0	18	11.9
	Missing	1	0.0	1	0.0	0	0.0
	All Ages	1880	257.4	544	148.6	1336	366.6

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	1	1.1	1	2.2	0	0.0
	10-14	2	4.0	0	0.0	2	8.3
	15-19	38	82.5	10	42.4	28	124.6
	20-24	42	100.4	20	91.5	22	110.1
	25-29	29	69.5	19	89.4	10	48.9
	30-34	23	47.9	16	65.1	7	29.9
	35-39	17	32.9	13	49.1	4	15.9
	40-44	9	15.8	9	31.1	0	0.0
	45+	6	2.7	4	3.8	2	1.7
	Missing	2	0.0	1	0.0	1	0.0
	All Ages	169	26.0	93	28.6	76	23.5
2005	0-9	0	0.0	0	0.0	0	0.0
	10-14	1	2.0	0	0.0	1	4.2
	15-19	39	82.7	13	53.7	26	113.3
	20-24	71	165.2	32	142.6	39	189.9
	25-29	54	125.1	36	163.4	18	85.1
	30-34	33	70.3	22	91.4	11	48.0
	35-39	18	34.6	12	44.9	6	23.8
	40-44	16	28.2	11	38.2	5	18.0
	45+	14	6.0	13	11.7	1	0.8
	Missing	1	0.0	0	0.0	1	0.0
	All Ages	248	37.5	139	41.9	108	32.7
2006	0-9	1	1.1	0	0.0	1	2.2
	10-14	4	8.2	1	4.0	3	12.5
	15-19	54	111.8	17	68.5	37	157.6
	20-24	87	196.0	35	151.1	52	245.0
	25-29	76	167.2	36	155.4	40	179.4
	30-34	49	105.9	22	92.8	27	119.8
	35-39	25	47.1	15	54.9	10	38.9
	40-44	21	37.5	9	31.5	12	43.8
	45+	20	8.3	17	14.7	3	2.4
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	337	49.8	152	44.9	185	54.9
2007	0-9	0	0.0	0	0.0	0	0.0
	10-14	4	8.2	0	0.0	4	16.8
	15-19	68	137.8	20	78.7	48	200.5
	20-24	84	185.9	31	131.8	53	244.7
	25-29	64	134.8	36	148.6	28	120.5
	30-34	38	82.2	21	88.5	17	75.5
	35-39	22	41.1	15	54.3	7	27.0
	40-44	15	27.3	8	28.5	7	26.0
	45+	15	6.0	11	9.1	4	3.1
	Missing	1	0.0	1	0.0	0	0.0
	All Ages	312	45.3	143	41.4	168	48.9
2008	0-9	1	1.1	0	0.0	1	2.2
	10-14	2	4.1	0	0.0	2	8.4
	15-19	44	88.3	10	38.9	34	141.0
	20-24	72	158.4	32	135.5	40	183.1
	25-29	35	71.2	19	75.4	16	66.7
	30-34	20	42.7	11	45.7	9	39.5
	35-39	14	26.4	10	36.6	4	15.6
	40-44	10	18.5	8	28.9	2	7.5
	45+	9	3.5	8	6.4	1	0.7
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	207	29.6	98	27.9	109	31.3

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	0	0.0	0	0.0	0	0.0
	15-19	24	48.3	6	23.4	18	75.0
	20-24	46	101.2	28	118.7	18	82.3
	25-29	27	53.8	18	70.0	9	36.8
	30-34	20	42.1	12	49.0	8	34.7
	35-39	7	13.5	3	11.3	4	15.9
	40-44	9	16.8	3	10.9	6	22.9
	45+	14	5.3	12	9.4	2	1.5
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	147	20.8	82	23.2	65	18.5
2010	0-9	0	0.0	0	0.0	0	0.0
	10-14	3	6.2	0	0.0	3	12.6
	15-19	18	36.3	8	31.2	10	41.8
	20-24	54	121.6	32	137.6	22	104.0
	25-29	43	86.3	30	117.5	13	53.5
	30-34	27	54.7	22	87.2	5	20.7
	35-39	16	31.6	13	50.5	3	12.0
	40-44	9	16.7	6	21.9	3	11.4
	45+	21	7.7	17	13.0	4	2.8
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	191	26.8	128	35.9	63	17.7
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	26	53.2	8	31.6	18	76.4
	20-24	48	108.0	21	90.3	27	127.5
	25-29	37	74.6	23	90.4	14	58.0
	30-34	28	55.6	22	85.4	6	24.4
	35-39	10	20.3	9	35.9	1	4.1
	40-44	10	18.3	8	28.6	2	7.5
	45+	13	4.7	9	6.8	4	2.8
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	172	24.0	100	27.9	72	20.1
2012	0-9	1	1.1	0	0.0	1	2.2
	10-14	0	0.0	0	0.0	0	0.0
	15-19	20	42.4	7	28.8	13	56.9
	20-24	54	118.1	29	120.6	25	115.2
	25-29	38	77.1	23	90.2	15	63.0
	30-34	21	40.9	10	38.0	11	44.0
	35-39	11	22.7	7	28.4	4	16.8
	40-44	7	12.8	6	21.5	1	3.7
	45+	12	4.2	8	5.8	4	2.7
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	164	22.7	90	24.9	74	20.5
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	22	48.1	8	34.0	14	63.0
	20-24	60	127.4	32	130.3	28	124.3
	25-29	57	116.7	33	130.3	24	102.1
	30-34	40	76.6	21	78.1	19	75.0
	35-39	22	44.9	15	60.1	7	29.1
	40-44	24	44.3	14	50.6	10	37.8
	45+	26	8.9	19	13.5	7	4.6
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	251	34.4	142	38.8	109	29.9

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	1	2.2	0	0.0	1	4.5
	20-24	1	2.4	1	4.6	0	0.0
	25-29	1	2.4	1	4.7	0	0.0
	30-34	2	4.2	2	8.1	0	0.0
	35-39	2	3.9	2	7.6	0	0.0
	40-44	0	0.0	0	0.0	0	0.0
	45+	1	0.4	1	0.9	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	8	1.2	7	2.2	1	0.3
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	0	0.0	0	0.0	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	3	6.4	3	12.5	0	0.0
	35-39	1	1.9	1	3.7	0	0.0
	40-44	0	0.0	0	0.0	0	0.0
	45+	1	0.4	1	0.9	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	5	0.8	5	1.5	0	0.0
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	0	0.0	0	0.0	0	0.0
	20-24	1	2.3	1	4.3	0	0.0
	25-29	1	2.2	1	4.3	0	0.0
	30-34	0	0.0	0	0.0	0	0.0
	35-39	2	3.8	2	7.3	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	4	0.6	4	1.2	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	0	0.0	0	0.0	0	0.0
	20-24	2	4.4	2	8.5	0	0.0
	25-29	0	0.0	0	0.0	0	0.0
	30-34	3	6.5	3	12.6	0	0.0
	35-39	1	1.9	1	3.6	0	0.0
	40-44	1	1.8	1	3.6	0	0.0
	45+	3	1.2	3	2.5	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	10	1.5	10	2.9	0	0.0
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	1	2.0	1	3.9	0	0.0
	20-24	1	2.2	1	4.2	0	0.0
	25-29	1	2.0	1	4.0	0	0.0
	30-34	2	4.3	2	8.3	0	0.0
	35-39	1	1.9	1	3.7	0	0.0
	40-44	0	0.0	0	0.0	0	0.0
	45+	2	0.8	2	1.6	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	8	1.1	8	2.3	0	0.0

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	1	2.2	1	4.2	0	0.0
	25-29	1	2.0	1	3.9	0	0.0
	30-34	0	0.0	0	0.0	0	0.0
	35-39	1	1.9	1	3.8	0	0.0
	40-44	1	1.9	1	3.6	0	0.0
	45+	1	0.4	1	0.8	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	5	0.7	5	1.4	0	0.0
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	4	8.0	4	15.7	0	0.0
	30-34	0	0.0	0	0.0	0	0.0
	35-39	2	3.9	2	7.8	0	0.0
	40-44	0	0.0	0	0.0	0	0.0
	45+	4	1.5	4	3.1	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	10	1.4	10	2.8	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	3	6.8	3	12.9	0	0.0
	25-29	2	4.0	2	7.9	0	0.0
	30-34	4	7.9	4	15.5	0	0.0
	35-39	0	0.0	0	0.0	0	0.0
	40-44	3	5.5	3	10.7	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	17	2.4	17	4.7	0	0.0
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	3	6.6	3	12.5	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	2.1	1	4.1	0	0.0
	40-44	4	7.3	4	14.3	0	0.0
	45+	4	1.4	4	2.9	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	12	1.7	12	3.3	0	0.0
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	8.7	4	17.0	0	0.0
	20-24	0	0.0	0	0.0	0	0.0
	25-29	3	6.1	3	11.8	0	0.0
	30-34	3	5.7	2	7.4	1	3.9
	35-39	2	4.1	2	8.0	0	0.0
	40-44	1	1.8	1	3.6	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	13	1.8	12	3.3	1	0.3

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	1	1.1	0	0.0	1	2.3
	10-14	2	4.0	0	0.0	2	8.3
	15-19	49	106.4	7	29.7	42	186.9
	20-24	78	186.4	14	64.0	64	320.3
	25-29	43	103.0	14	65.8	29	141.7
	30-34	23	47.9	6	24.4	17	72.5
	35-39	18	34.9	4	15.1	14	55.7
	40-44	23	40.5	8	27.7	15	53.8
	45+	32	14.4	10	9.4	22	18.9
	Missing	17	0.0	4	0.0	13	0.0
	All Ages	286	44.1	67	20.6	219	67.6
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	48	101.8	4	16.5	44	191.7
	20-24	91	211.8	18	80.2	73	355.4
	25-29	47	108.8	18	81.7	29	137.1
	30-34	36	76.7	16	66.5	20	87.3
	35-39	23	44.3	5	18.7	18	71.3
	40-44	29	51.2	8	27.7	21	75.5
	45+	53	22.8	13	11.7	40	33.1
	Missing	11	0.0	5	0.0	6	0.0
	All Ages	338	51.1	87	26.3	251	76.1
2006	0-9	1	1.1	0	0.0	1	2.2
	10-14	1	2.0	0	0.0	1	4.2
	15-19	43	89.0	6	24.2	37	157.6
	20-24	97	218.6	21	90.7	76	358.1
	25-29	78	171.6	21	90.6	57	255.7
	30-34	33	71.3	11	46.4	22	97.6
	35-39	28	52.8	10	36.6	18	69.9
	40-44	24	42.9	8	28.0	16	58.4
	45+	47	19.5	8	6.9	39	31.0
	Missing	3	0.0	0	0.0	3	0.0
	All Ages	355	52.5	85	25.1	270	80.1
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	38	77.0	3	11.8	35	146.2
	20-24	68	150.5	17	72.3	51	235.5
	25-29	38	80.0	11	45.4	27	116.1
	30-34	26	56.2	12	50.6	14	62.2
	35-39	21	39.2	5	18.1	16	61.6
	40-44	21	38.2	7	24.9	14	52.0
	45+	41	16.4	10	8.3	31	23.8
	Missing	3	0.0	1	0.0	2	0.0
	All Ages	263	38.2	66	19.1	190	55.3
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	37	74.3	2	7.8	35	145.1
	20-24	82	180.4	18	76.2	64	293.0
	25-29	61	124.0	14	55.6	47	195.8
	30-34	48	102.5	19	79.0	29	127.4
	35-39	19	35.8	9	33.0	10	38.9
	40-44	25	46.1	8	28.9	17	64.2
	45+	42	16.3	14	11.3	28	20.9
	Missing	2	0.0	0	0.0	2	0.0
	All Ages	322	46.0	84	24.0	232	66.5

Continued Table 5. Genital Herpes

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
2009	0-9	1	1.1	0	0.0	1	2.2
	10-14	1	2.1	0	0.0	1	4.2
	15-19	41	82.6	3	11.7	38	158.2
	20-24	82	180.4	10	42.4	72	329.1
	25-29	42	83.7	9	35.0	33	134.9
	30-34	21	44.2	9	36.8	12	52.0
	35-39	12	23.2	3	11.3	9	35.8
	40-44	7	13.0	1	3.6	6	22.9
	45+	13	4.9	5	3.9	8	5.8
	Missing	2	0.0	0	0.0	2	0.0
	All Ages	222	31.4	40	11.3	182	51.7
2010	0-9	1	1.1	0	0.0	1	2.2
	10-14	1	2.1	1	4.0	0	0.0
	15-19	52	104.9	6	23.4	46	192.4
	20-24	65	146.4	10	43.0	55	260.0
	25-29	62	124.4	18	70.5	44	180.9
	30-34	36	72.9	13	51.5	23	95.3
	35-39	14	27.6	5	19.4	9	36.1
	40-44	15	27.9	7	25.5	8	30.3
	45+	34	12.5	10	7.6	24	17.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	280	39.3	70	19.6	210	58.9
2011	0-9	1	1.1	0	0.0	1	2.2
	10-14	1	2.1	0	0.0	1	4.2
	15-19	54	110.5	4	15.8	50	212.1
	20-24	87	195.8	17	73.1	70	330.5
	25-29	68	137.1	25	98.3	43	178.0
	30-34	34	67.5	10	38.8	24	97.5
	35-39	15	30.4	4	16.0	11	45.2
	40-44	13	23.8	6	21.5	7	26.1
	45+	25	9.0	9	6.8	16	11.1
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	298	41.6	75	20.9	223	62.3
2012	0-9	0	0.0	0	0.0	0	0.0
	10-14	2	4.1	0	0.0	2	8.5
	15-19	36	76.3	5	20.6	31	135.7
	20-24	68	148.7	11	45.8	57	262.6
	25-29	54	109.5	15	58.8	39	163.8
	30-34	28	54.6	11	41.8	17	68.1
	35-39	18	37.2	4	16.3	14	58.8
	40-44	5	9.2	5	17.9	0	0.0
	45+	17	6.0	5	3.6	12	8.1
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	228	31.5	56	15.5	172	47.7
2013	0-9	0	0.0	0	0.0	0	0.0
	10-14	1	2.1	0	0.0	1	4.2
	15-19	42	91.8	6	25.5	36	162.1
	20-24	75	159.3	12	48.9	63	279.7
	25-29	52	106.5	15	59.2	37	157.4
	30-34	38	72.7	10	37.2	28	110.5
	35-39	23	46.9	7	28.0	16	66.5
	40-44	16	29.6	2	7.2	14	52.9
	45+	34	11.7	11	7.8	23	15.2
	Missing	1	0.0	1	0.0	0	0.0
	All Ages	282	38.6	64	17.5	218	59.8