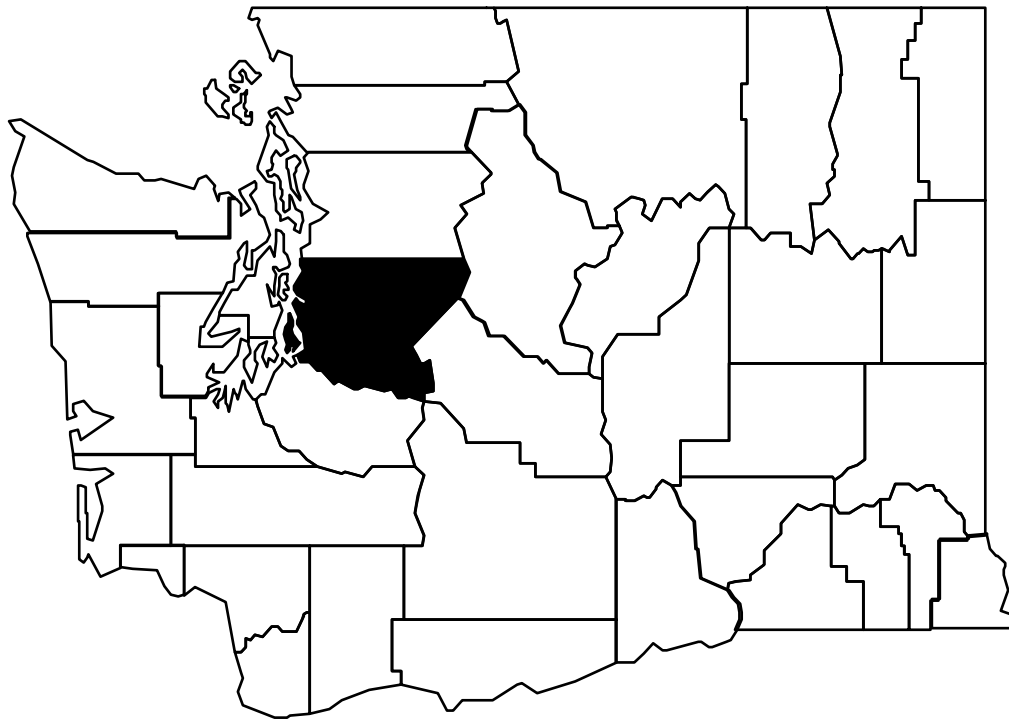


Sexually Transmitted Disease Profile

King County 2014



Disease Control and Health Statistics
Infectious Disease Assessment Unit



Sexually Transmitted Disease Profile

King County 2014



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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, May 2015

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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 King 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 2014 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 2, 2015.

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, 2014. This data was accessed March 3, 2015 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.

King County STD Disease Trends

Table 1. Washington State Reportable Sexually Transmitted Diseases, King County, 2014

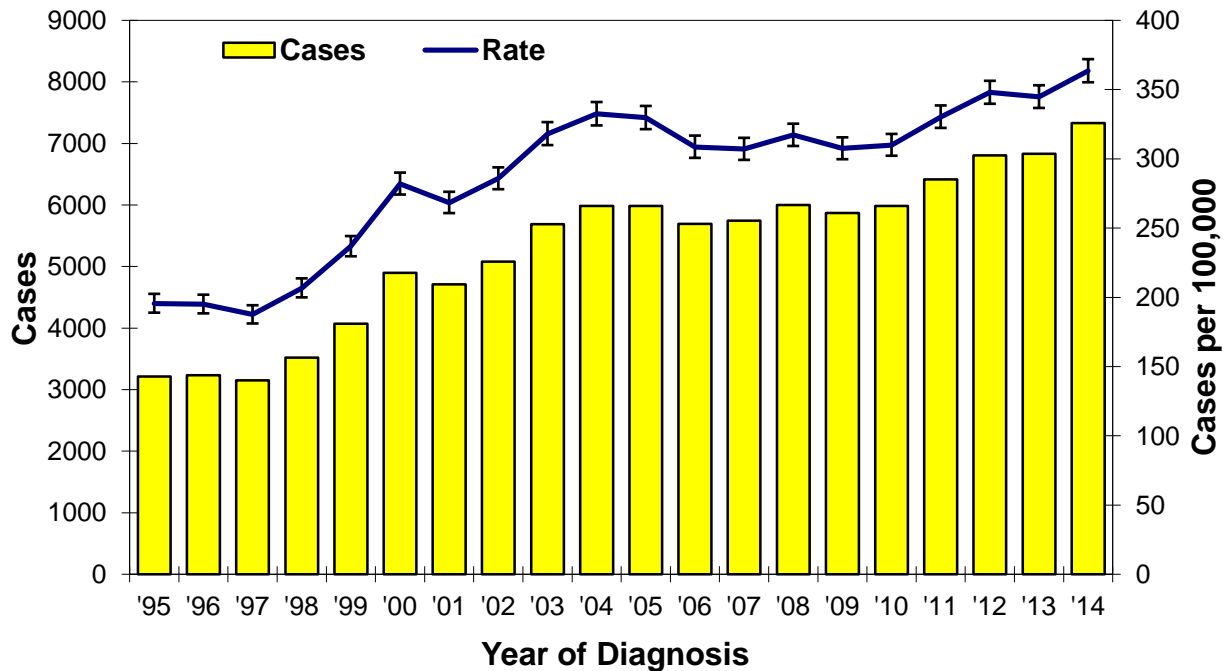
Disease	County Cases	County Rate§	WA State Rate
Chlamydia	7,332	363.5	376.7
Gonorrhea	2,219	110.0	88.1
P&S Syphilis	173	8.6	4.8
Genital Herpes	385	19.1	29.9
Chancroid/GI/LGV	0		
Total	10,109		

§ Crude incidence rate per 100,000 population.

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

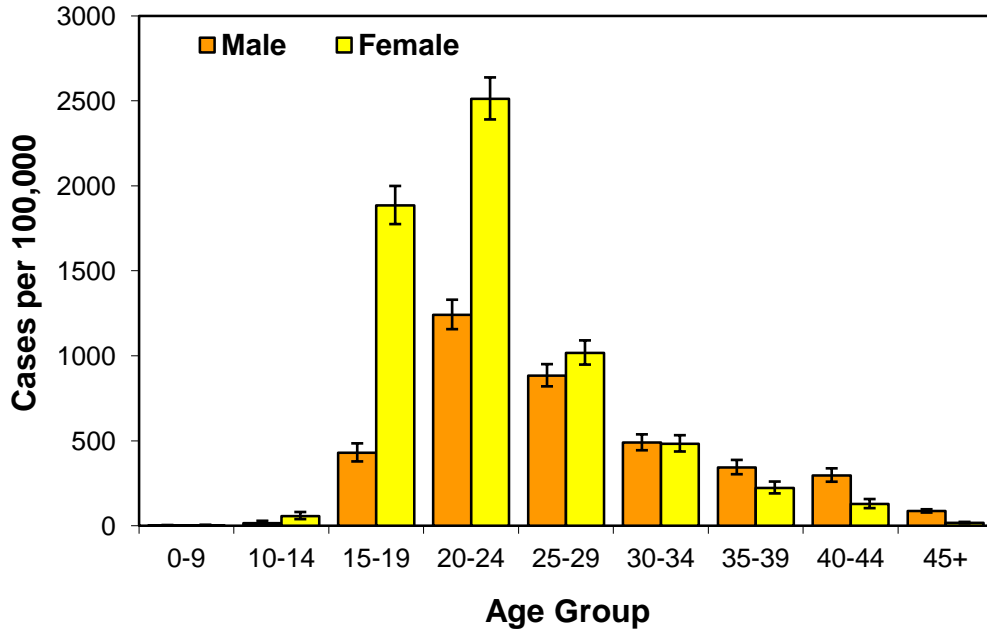
Chlamydia

Figure 1. Chlamydia Cases and Incidence Rates* per 100,000 population, King County, 1995-2014



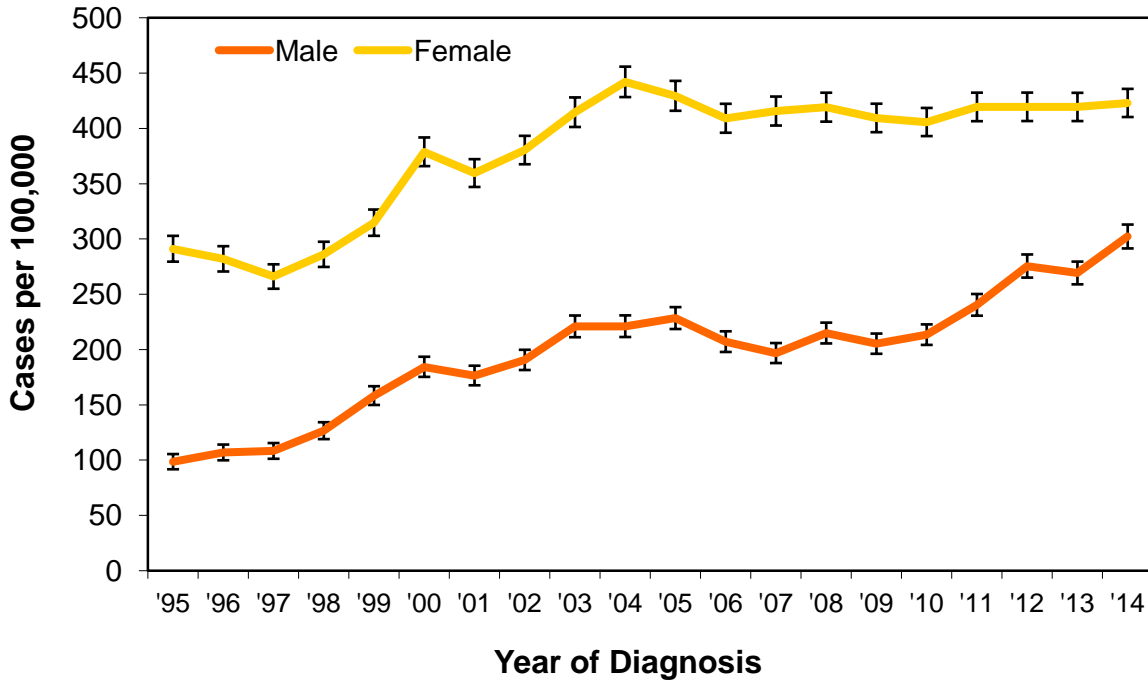
* Crude incidence rate with 95% confidence intervals.

Figure 2. Age-specific Chlamydia Incidence Rates* by Gender, King County, 2014



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

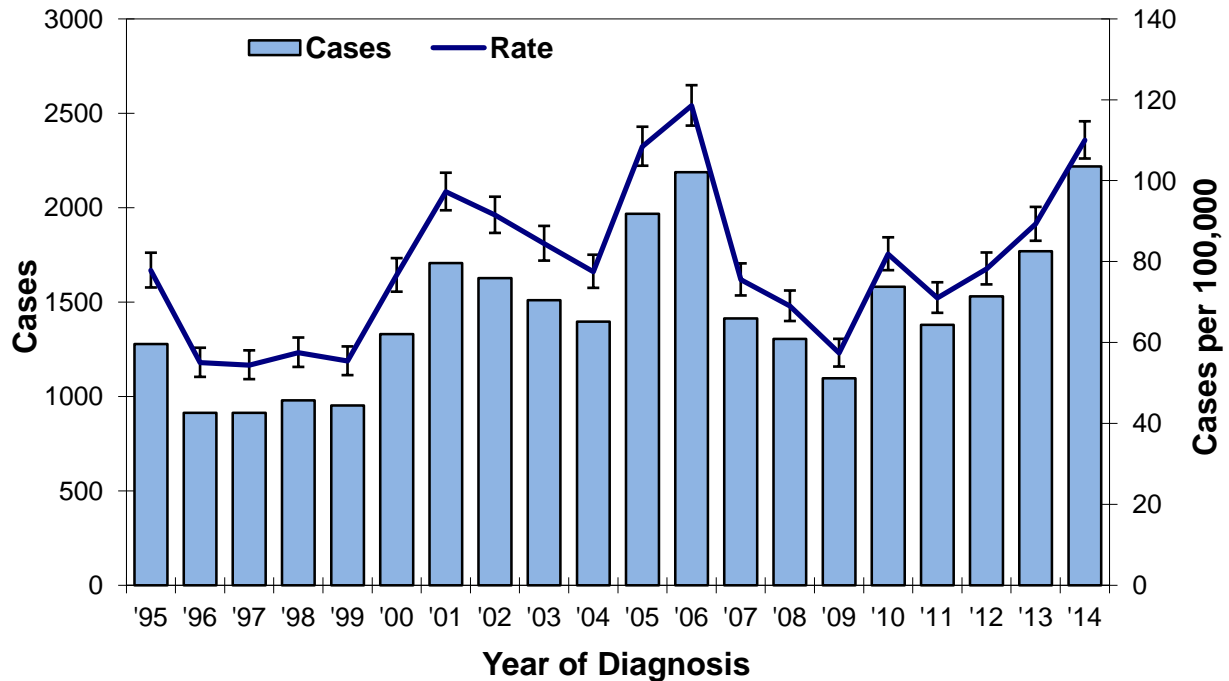
Figure 3. Chlamydia Incidence Rates by Gender*, King County, 1995-2014



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

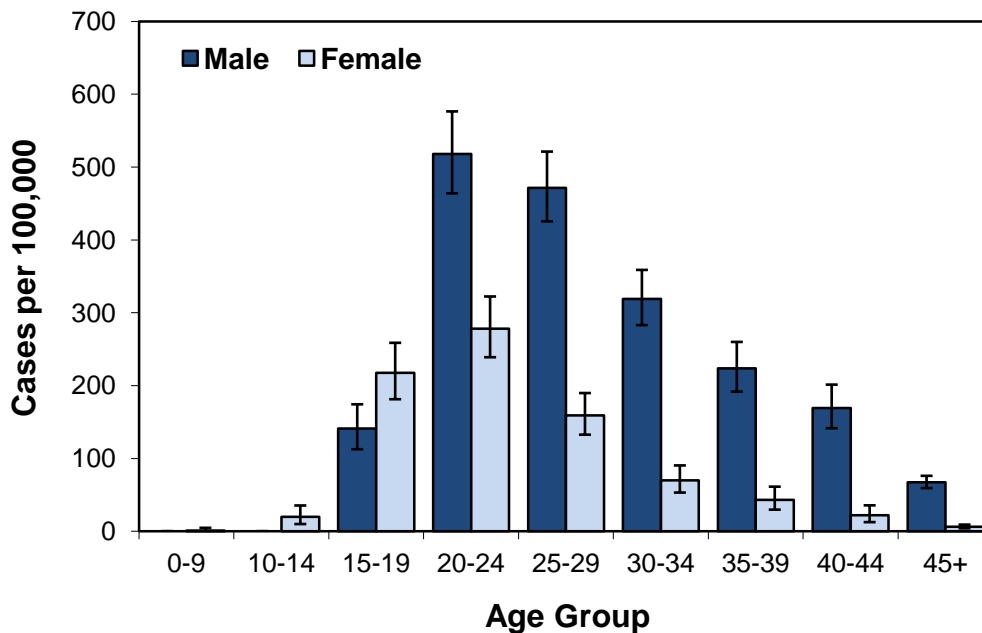
Gonorrhea

Figure 4. Gonorrhea Cases and Incidence Rates* per 100,000 population, King County, 1995-2014



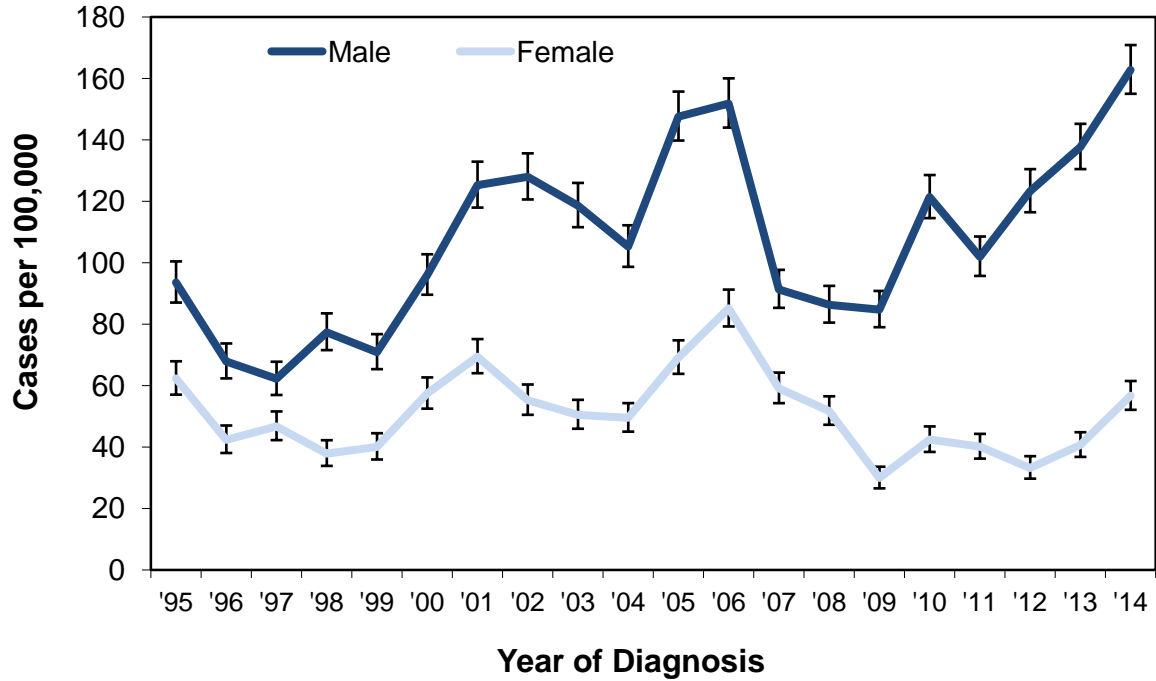
* Crude incidence rate with 95% confidence intervals.

Figure 5. Age-specific Gonorrhea Incidence Rates* by Gender, King County, 2014



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

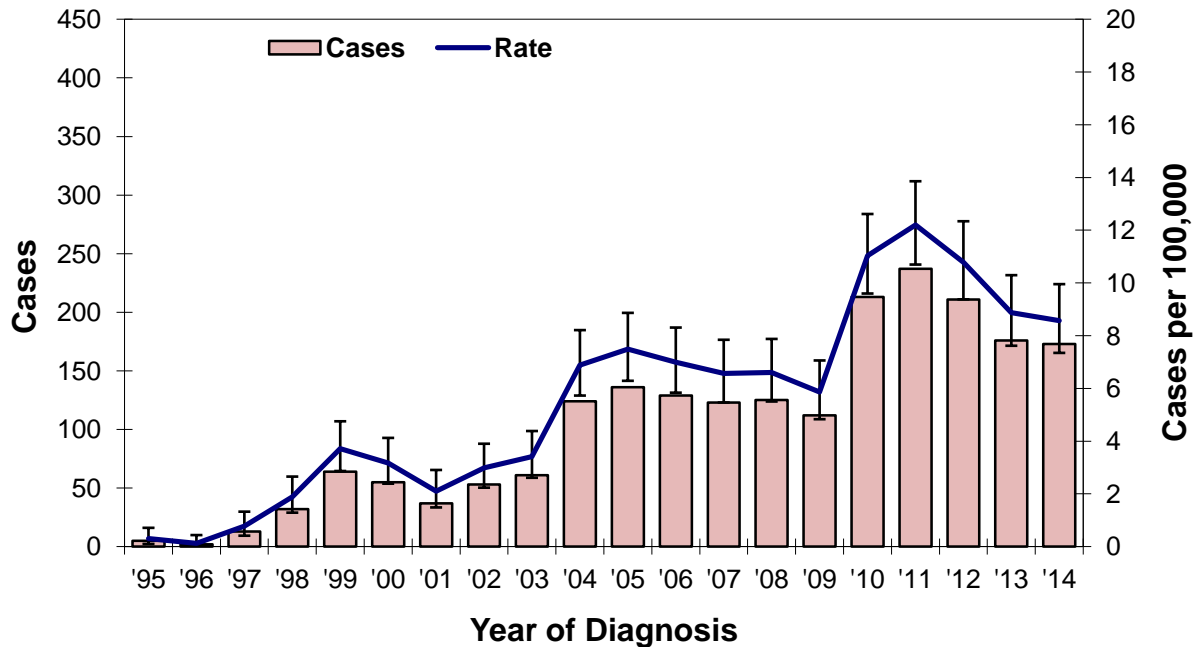
Figure 6. Gonorrhea Incidence Rates by Gender*, King County, 1995-2014



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

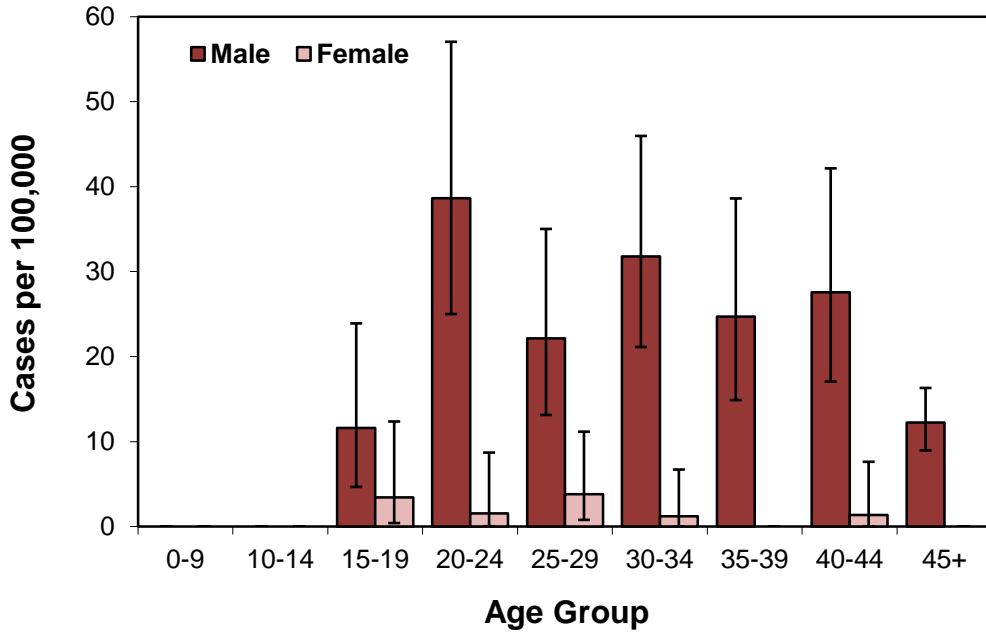
Primary and Secondary Syphilis

Figure 7. Primary and Secondary Syphilis Cases and Incidence Rates* per 100,000 population, King County, 1995-2014



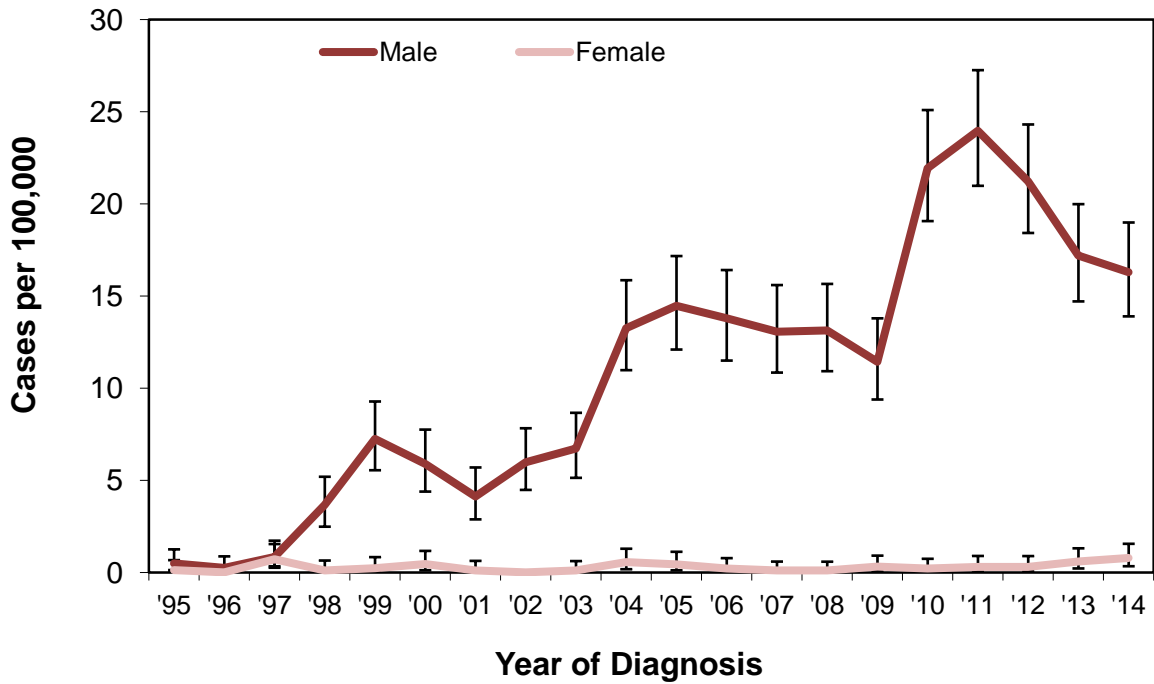
* Crude incidence rate with 95% confidence intervals.

Figure 8. Age-specific Primary and Secondary Syphilis Incidence Rates* by Gender, King County, 2014



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

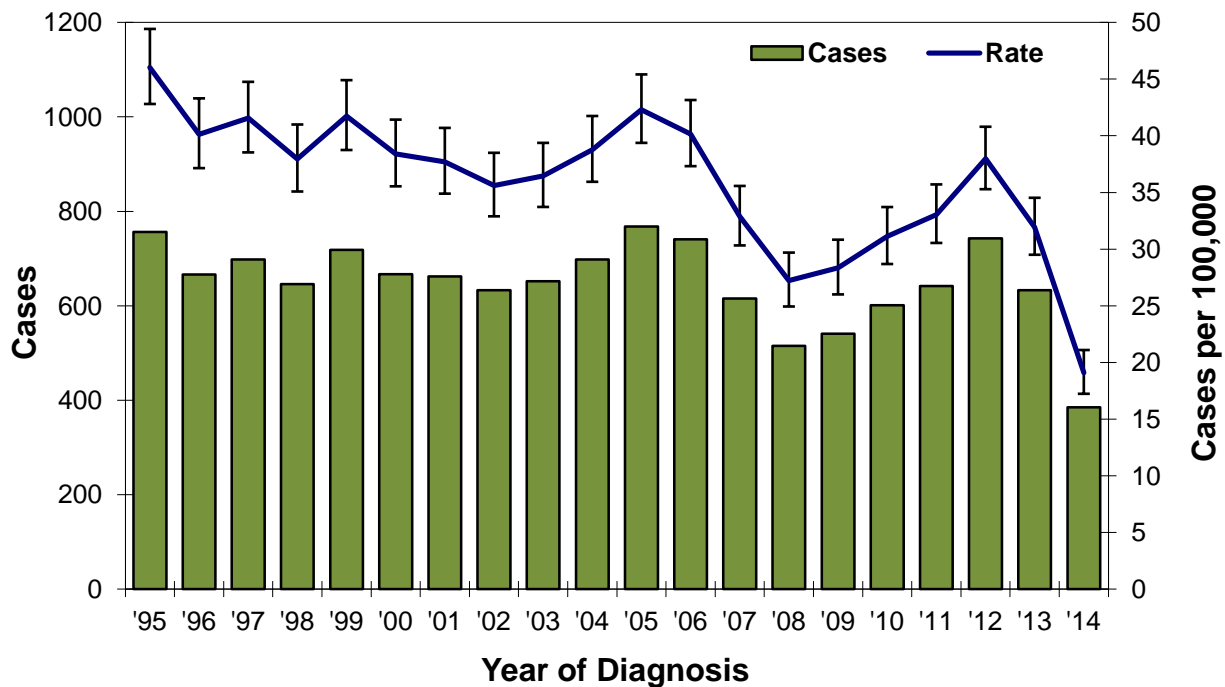
Figure 9. Primary and Secondary Syphilis Incidence Rates by Gender*, King County, 1995-2014



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

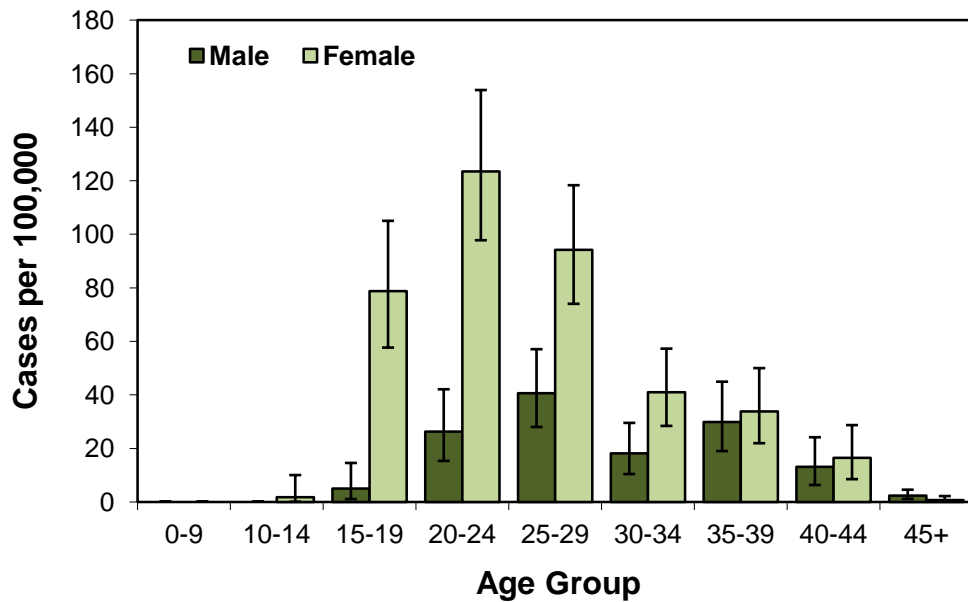
Genital Herpes

Figure 10. Genital Herpes Cases and Incidence Rates* per 100,000 population, King County, 1995-2014



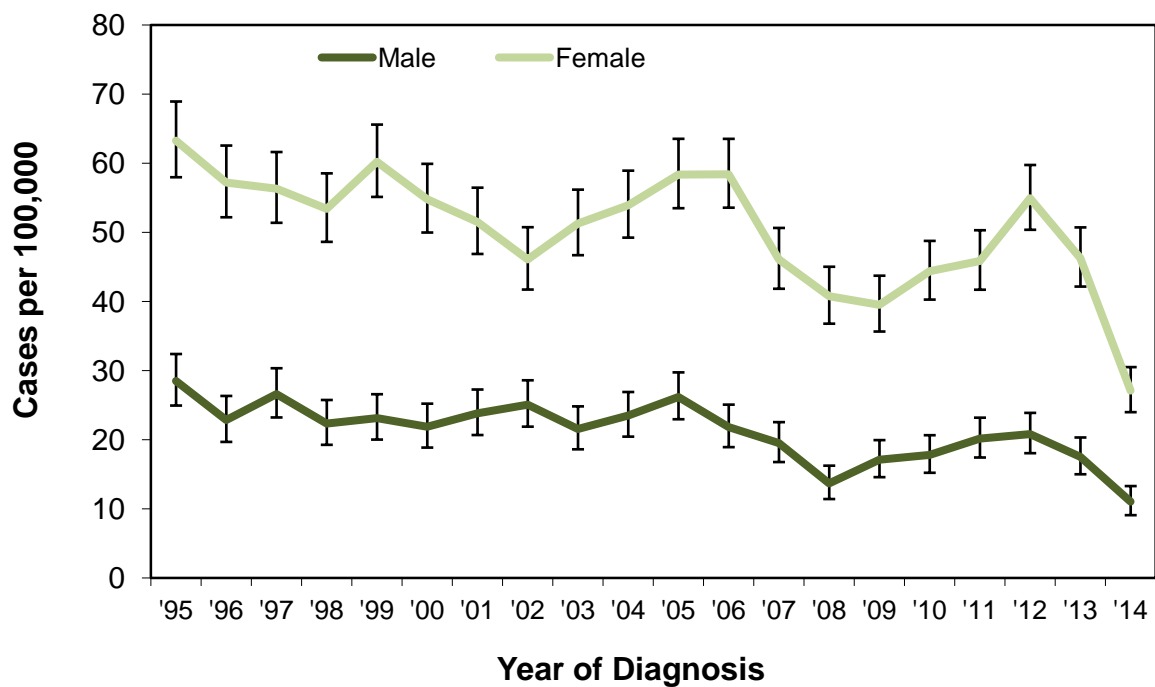
* Crude incidence rate with 95% confidence intervals.

Figure 11. Age-specific Genital Herpes Incidence Rates* by Gender, King County, 2014



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

Figure 12. Genital Herpes Incidence Rates by Gender*, King County, 1995-2014



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

Data Tables

Table 2. Chlamydia Cases and Incidence Rates by Gender and Age Group, 2005-2014

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
2005	0-9	0	0.0	0	0.0	0	0.0
	10-14	92	82.6	8	14.0	84	154.8
	15-19	1773	1,563.8	345	597.4	1428	2,567.1
	20-24	1936	1,481.3	604	918.4	1332	2,051.5
	25-29	1094	768.0	474	650.1	620	891.7
	30-34	478	329.6	229	305.6	249	355.3
	35-39	261	177.4	160	211.4	101	141.5
	40-44	190	122.9	141	179.2	49	64.5
	45+	128	19.6	94	30.3	34	9.9
	Missing	22	0.0	12	0.0	10	0.0
	All Ages	5983	329.6	2067	228.4	3907	429.4
2006	0-9	4	1.8	0	0.0	4	3.7
	10-14	69	62.3	9	15.8	60	111.2
	15-19	1604	1,390.2	272	462.4	1332	2,355.1
	20-24	1838	1,377.0	546	812.7	1292	1,948.8
	25-29	976	655.9	402	529.5	574	787.6
	30-34	504	353.8	250	340.0	254	368.5
	35-39	320	212.0	169	217.3	151	206.3
	40-44	182	119.5	129	165.9	53	71.0
	45+	170	25.4	120	37.6	50	14.3
	Missing	22	0.0	9	0.0	13	0.0
	All Ages	5694	308.6	1906	207.1	3783	409.1
2007	0-9	4	1.8	3	2.6	1	0.9
	10-14	75	68.3	10	17.7	65	121.4
	15-19	1616	1,379.1	281	470.0	1335	2,326.1
	20-24	1801	1,339.4	494	731.5	1307	1,952.6
	25-29	1066	691.2	392	498.5	674	891.5
	30-34	491	345.7	247	337.2	244	354.7
	35-39	317	206.9	174	220.0	143	193.0
	40-44	150	100.4	100	131.0	50	68.4
	45+	189	27.6	127	38.8	62	17.3
	Missing	24	0.0	9	0.0	15	0.0
	All Ages	5745	307.0	1837	196.7	3896	415.6
2008	0-9	4	1.7	1	0.9	3	2.7
	10-14	86	78.8	9	16.1	77	144.7
	15-19	1712	1,452.0	323	536.2	1389	2,408.6
	20-24	1996	1,488.5	633	941.9	1363	2,037.8
	25-29	1050	660.8	395	487.0	655	842.0
	30-34	511	356.0	246	332.9	265	380.6
	35-39	257	168.5	152	193.2	105	142.2
	40-44	176	119.6	120	159.2	56	78.0
	45+	204	29.2	148	44.3	56	15.4
	Missing	2	0.0	1	0.0	1	0.0
	All Ages	5998	317.2	2028	214.8	3970	419.1
2009	0-9	1	0.4	1	0.8	0	0.0
	10-14	58	53.0	6	10.7	52	97.5
	15-19	1690	1,436.3	339	564.0	1351	2,347.2
	20-24	1981	1,484.1	599	896.3	1382	2,073.3
	25-29	1101	680.2	398	482.0	703	886.5
	30-34	440	301.2	226	300.5	214	302.0
	35-39	256	170.2	151	195.0	105	143.9
	40-44	147	100.5	101	134.3	46	64.7
	45+	194	27.2	135	39.5	59	15.9
	Missing	2	0.0	0	0.0	2	0.0
	All Ages	5870	307.5	1956	205.2	3914	409.4

Continued Table 2. Chlamydia

Age Group	Total		Males		Females		
	Cases	Rate	Cases	Rate	Cases	Rate	
2010	0-9	2	0.9	0	0.0	2	1.8
	10-14	63	56.9	4	7.0	59	109.3
	15-19	1510	1,285.0	276	459.1	1234	2,150.0
	20-24	2003	1,542.9	581	885.3	1422	2,215.2
	25-29	1101	685.3	443	542.2	658	833.5
	30-34	561	368.9	251	323.7	310	416.0
	35-39	314	210.5	181	238.3	133	181.7
	40-44	203	137.5	138	182.5	65	90.2
	45+	227	31.1	178	51.0	49	12.9
	Missing	1	0.0	1	0.0	0	0.0
	All Ages	5986	310.0	2053	213.4	3932	405.7
2011	0-9	1	0.4	0	0.0	1	0.9
	10-14	61	55.1	8	14.1	53	98.2
	15-19	1526	1,316.7	280	472.2	1246	2,201.3
	20-24	2226	1,713.1	641	976.4	1585	2,465.5
	25-29	1114	696.7	483	592.8	631	804.6
	30-34	634	408.4	313	395.4	321	421.9
	35-39	333	229.0	206	278.6	127	177.8
	40-44	234	155.8	167	216.9	67	91.5
	45+	281	37.9	225	63.4	56	14.5
	Missing	4	0.0	3	0.0	1	0.0
	All Ages	6416	330.3	2326	240.3	4088	419.4
2012	0-9	0	0.0	0	0.0	0	0.0
	10-14	43	38.5	1	1.8	42	76.9
	15-19	1520	1,302.1	321	537.7	1199	2,102.4
	20-24	2321	1,878.9	722	1,160.0	1599	2,608.9
	25-29	1267	825.0	581	744.6	686	908.1
	30-34	695	438.5	383	472.5	312	402.9
	35-39	389	268.2	246	333.2	143	200.8
	40-44	245	160.4	180	230.0	65	87.3
	45+	324	42.7	253	69.4	71	18.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	6808	347.9	2687	275.5	4117	419.5
2013	0-9	4	1.7	1	0.8	3	2.6
	10-14	31	27.6	2	3.5	29	52.7
	15-19	1288	1,097.3	214	358.3	1074	1,863.0
	20-24	2402	1,917.0	739	1,171.7	1663	2,672.5
	25-29	1332	867.3	575	737.0	757	1,001.8
	30-34	733	447.8	394	468.5	339	426.0
	35-39	364	247.7	217	290.0	147	203.9
	40-44	258	169.9	187	240.7	71	95.8
	45+	415	53.8	331	89.3	84	21.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	6833	344.8	2660	269.2	4167	419.3
2014	0-9	3	1.2	1	0.8	2	1.7
	10-14	41	36.0	9	15.5	32	57.5
	15-19	1360	1,145.2	259	429.3	1101	1,884.4
	20-24	2410	1,872.8	803	1,241.0	1607	2,511.7
	25-29	1517	949.6	718	883.8	799	1,017.6
	30-34	832	486.4	431	489.5	401	483.2
	35-39	429	284.7	264	343.5	165	223.5
	40-44	320	214.4	226	296.7	94	128.6
	45+	402	51.4	328	87.2	74	18.2
	Missing	3	0.0	1	0.0	2	0.0
	All Ages	7332	363.5	3040	302.2	4277	423.0

Table 3. Gonorrhea Cases and Incidence Rates by Gender and Age Group, 2005-2014

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
2005	0-9	0	0.0	0	0.0	0	0.0
	10-14	17	15.3	0	0.0	17	31.3
	15-19	328	289.3	108	187.0	220	395.5
	20-24	428	327.5	239	363.4	189	291.1
	25-29	298	209.2	223	305.8	75	107.9
	30-34	255	175.9	196	261.6	59	84.2
	35-39	237	161.1	210	277.4	27	37.8
	40-44	209	135.2	186	236.4	23	30.3
	45+	189	29.0	172	55.4	17	5.0
	Missing	4	0.0	2	0.0	2	0.0
	All Ages	1968	108.4	1336	147.6	629	69.1
2006	0-9	0	0.0	0	0.0	0	0.0
	10-14	18	16.3	1	1.8	17	31.5
	15-19	352	305.1	113	192.1	239	422.6
	20-24	468	350.6	250	372.1	218	328.8
	25-29	372	250.0	264	347.7	108	148.2
	30-34	256	179.7	190	258.4	66	95.8
	35-39	246	162.9	183	235.3	63	86.1
	40-44	213	139.8	173	222.5	40	53.6
	45+	252	37.6	217	68.0	35	10.0
	Missing	8	0.0	7	0.0	1	0.0
	All Ages	2187	118.5	1398	151.9	787	85.1
2007	0-9	0	0.0	0	0.0	0	0.0
	10-14	14	12.7	3	5.3	11	20.5
	15-19	253	215.9	70	117.1	183	318.9
	20-24	311	231.3	166	245.8	145	216.6
	25-29	280	181.5	183	232.7	97	128.3
	30-34	153	107.7	112	152.9	41	59.6
	35-39	136	88.8	114	144.1	22	29.7
	40-44	131	87.7	99	129.7	32	43.8
	45+	119	17.4	102	31.2	17	4.7
	Missing	10	0.0	4	0.0	6	0.0
	All Ages	1413	75.5	853	91.4	554	59.1
2008	0-9	1	0.4	0	0.0	1	0.9
	10-14	18	16.5	1	1.8	17	31.9
	15-19	239	202.7	74	122.8	165	286.1
	20-24	317	236.4	183	272.3	134	200.3
	25-29	220	138.4	145	178.8	75	96.4
	30-34	125	87.1	92	124.5	33	47.4
	35-39	136	89.2	107	136.0	29	39.3
	40-44	93	63.2	75	99.5	18	25.1
	45+	156	22.3	138	41.3	18	4.9
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	1305	69.0	815	86.3	490	51.7
2009	0-9	0	0.0	0	0.0	0	0.0
	10-14	7	6.4	0	0.0	7	13.1
	15-19	139	118.1	56	93.2	83	144.2
	20-24	294	220.2	188	281.3	106	159.0
	25-29	208	128.5	166	201.0	42	53.0
	30-34	117	80.1	99	131.6	18	25.4
	35-39	114	75.8	102	131.7	12	16.4
	40-44	90	61.5	83	110.4	7	9.8
	45+	125	17.5	114	33.4	11	3.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	1096	57.4	808	84.8	286	29.9

Continued Table 3. Gonorrhea

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
2010	0-9	0	0.0	0	0.0	0	0.0
	10-14	2	1.8	0	0.0	2	3.7
	15-19	171	145.5	51	84.8	120	209.1
	20-24	303	233.4	207	315.4	96	149.5
	25-29	280	174.3	211	258.2	69	87.4
	30-34	255	167.7	200	257.9	55	73.8
	35-39	148	99.2	132	173.8	16	21.9
	40-44	165	111.8	144	190.5	21	29.2
	45+	255	34.9	223	63.9	32	8.4
	Missing	0	0.0	0	0.0	0	0.0
All Ages	1581	81.9	1168	121.4	411	42.4	
2011	0-9	0	0.0	0	0.0	0	0.0
	10-14	5	4.5	0	0.0	5	9.3
	15-19	143	123.4	39	65.8	104	183.7
	20-24	331	254.7	193	294.0	138	214.7
	25-29	298	186.4	235	288.4	63	80.3
	30-34	184	118.5	146	184.4	38	49.9
	35-39	124	85.3	108	146.0	16	22.4
	40-44	112	74.6	96	124.7	16	21.9
	45+	181	24.4	170	47.9	11	2.8
	Missing	0	0.0	0	0.0	0	0.0
All Ages	1380	71.0	987	102.0	391	40.1	
2012	0-9	0	0.0	0	0.0	0	0.0
	10-14	3	2.7	0	0.0	3	5.5
	15-19	135	115.6	44	73.7	91	159.6
	20-24	347	280.9	248	398.5	99	161.5
	25-29	314	204.5	251	321.7	63	83.4
	30-34	225	142.0	199	245.5	26	33.6
	35-39	162	111.7	141	191.0	21	29.5
	40-44	138	90.4	126	161.0	12	16.1
	45+	205	27.0	194	53.3	11	2.8
	Missing	0	0.0	0	0.0	0	0.0
All Ages	1531	78.2	1203	123.3	326	33.2	
2013	0-9	1	0.4	0	0.0	1	0.9
	10-14	4	3.6	0	0.0	4	7.3
	15-19	162	138.0	63	105.5	99	171.7
	20-24	390	311.3	252	399.5	138	221.8
	25-29	368	239.6	295	378.1	73	96.6
	30-34	272	166.2	235	279.4	37	46.5
	35-39	194	132.0	161	215.1	33	45.8
	40-44	132	86.9	125	160.9	7	9.4
	45+	242	31.4	230	62.0	12	3.0
	Missing	0	0.0	0	0.0	0	0.0
All Ages	1769	89.3	1361	137.7	404	40.7	
2014	0-9	1	0.4	0	0.0	1	0.8
	10-14	11	9.7	0	0.0	11	19.8
	15-19	212	178.5	85	140.9	127	217.4
	20-24	513	398.7	335	517.7	178	278.2
	25-29	508	318.0	383	471.4	125	159.2
	30-34	339	198.2	281	319.1	58	69.9
	35-39	204	135.4	172	223.8	32	43.3
	40-44	145	97.1	129	169.4	16	21.9
	45+	278	35.5	253	67.3	25	6.2
	Missing	0	0.0	0	0.0	0	0.0
All Ages	2219	110.0	1638	162.8	573	56.7	

Table 4. P&S Syphilis Cases and Incidence Rates by Gender and Age Group, 2005-2014

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
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	4	3.5	4	6.9	0	0.0
	20-24	18	13.8	16	24.3	2	3.1
	25-29	13	9.1	13	17.8	0	0.0
	30-34	13	9.0	13	17.4	0	0.0
	35-39	35	23.8	34	44.9	1	1.4
	40-44	34	22.0	34	43.2	0	0.0
	45+	18	2.8	17	5.5	1	0.3
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	136	7.5	131	14.5	4	0.4
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	2	1.7	2	3.4	0	0.0
	20-24	9	6.7	8	11.9	1	1.5
	25-29	13	8.7	13	17.1	0	0.0
	30-34	18	12.6	18	24.5	0	0.0
	35-39	24	15.9	24	30.9	0	0.0
	40-44	30	19.7	30	38.6	0	0.0
	45+	31	4.6	30	9.4	1	0.3
	Missing	2	0.0	2	0.0	0	0.0
	All Ages	129	7.0	127	13.8	2	0.2
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	1.7	2	3.3	0	0.0
	20-24	9	6.7	9	13.3	0	0.0
	25-29	14	9.1	14	17.8	0	0.0
	30-34	22	15.5	22	30.0	0	0.0
	35-39	28	18.3	28	35.4	0	0.0
	40-44	20	13.4	20	26.2	0	0.0
	45+	28	4.1	27	8.3	1	0.3
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	123	6.6	122	13.1	1	0.1
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	3	2.5	3	5.0	0	0.0
	20-24	11	8.2	11	16.4	0	0.0
	25-29	16	10.1	16	19.7	0	0.0
	30-34	16	11.1	16	21.7	0	0.0
	35-39	16	10.5	16	20.3	0	0.0
	40-44	25	17.0	25	33.2	0	0.0
	45+	38	5.4	37	11.1	1	0.3
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	125	6.6	124	13.1	1	0.1
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	1	0.8	1	1.7	0	0.0
	20-24	10	7.5	10	15.0	0	0.0
	25-29	12	7.4	12	14.5	0	0.0
	30-34	26	17.8	25	33.2	1	1.4
	35-39	15	10.0	15	19.4	0	0.0
	40-44	21	14.4	20	26.6	1	1.4
	45+	27	3.8	26	7.6	1	0.3
	Missing	109	0.0	109	11.4	0	0.0
	All Ages	112	5.9	109	11.4	3	0.3

Continued Table 4. P&S Syphilis

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
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	2	1.7	2	3.3	0	0.0
	20-24	12	9.2	12	18.3	0	0.0
	25-29	28	17.4	28	34.3	0	0.0
	30-34	27	17.8	27	34.8	0	0.0
	35-39	31	20.8	31	40.8	0	0.0
	40-44	46	31.2	45	59.5	1	1.4
	45+	67	9.2	66	18.9	1	0.3
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	213	11.0	211	21.9	2	0.2
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	2	1.7	2	3.4	0	0.0
	20-24	12	9.2	12	18.3	0	0.0
	25-29	29	18.1	29	35.6	0	0.0
	30-34	40	25.8	40	50.5	0	0.0
	35-39	35	24.1	34	46.0	1	1.4
	40-44	43	28.6	43	55.9	0	0.0
	45+	74	10.0	72	20.3	2	0.5
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	237	12.2	232	24.0	3	0.3
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	5	4.3	5	8.4	0	0.0
	20-24	17	13.8	16	25.7	1	1.6
	25-29	35	22.8	34	43.6	1	1.3
	30-34	33	20.8	32	39.5	1	1.3
	35-39	31	21.4	31	42.0	0	0.0
	40-44	41	26.8	41	52.4	0	0.0
	45+	48	6.3	48	13.2	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	211	10.8	207	21.2	3	0.3
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	3.4	3	5.0	1	1.7
	20-24	19	15.2	17	27.0	2	3.2
	25-29	30	19.5	30	38.5	0	0.0
	30-34	23	14.1	23	27.4	0	0.0
	35-39	23	15.7	23	30.7	0	0.0
	40-44	24	15.8	23	29.6	1	1.3
	45+	53	6.9	51	13.8	2	0.5
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	176	8.9	170	17.2	6	0.6
2014	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	9	7.6	7	11.6	2	3.4
	20-24	26	20.2	25	38.6	1	1.6
	25-29	21	13.1	18	22.2	3	3.8
	30-34	29	17.0	28	31.8	1	1.2
	35-39	19	12.6	19	24.7	0	0.0
	40-44	22	14.7	21	27.6	1	1.4
	45+	46	5.9	46	12.2	0	0.0
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	173	8.6	164	16.3	8	0.8

Table 5. Genital Herpes Cases and Incidence Rates by Gender and Age Group, 2005-2014

	Age Group	Total		Males		Females	
		Cases	Rate	Cases	Rate	Cases	Rate
2005	0-9	2	0.9	1	0.9	1	0.9
	10-14	3	2.7	0	0.0	3	5.5
	15-19	100	88.2	11	19.0	89	160.0
	20-24	233	178.3	56	85.1	177	272.6
	25-29	151	106.0	61	83.7	90	129.4
	30-34	86	59.3	31	41.4	55	78.5
	35-39	65	44.2	28	37.0	37	51.8
	40-44	45	29.1	23	29.2	22	29.0
	45+	73	11.2	23	7.4	50	14.6
	Missing	10	0.0	3	0.0	7	0.0
	All Ages	768	42.3	237	26.2	531	58.4
2006	0-9	0	0.0	0	0.0	0	0.0
	10-14	1	0.9	0	0.0	1	1.9
	15-19	82	71.1	7	11.9	75	132.6
	20-24	225	168.6	47	70.0	178	268.5
	25-29	159	106.8	46	60.6	113	155.0
	30-34	79	55.5	27	36.7	52	75.4
	35-39	60	39.7	25	32.1	35	47.8
	40-44	33	21.7	12	15.4	21	28.1
	45+	93	13.9	33	10.3	60	17.1
	Missing	9	0.0	4	0.0	5	0.0
	All Ages	741	40.2	201	21.8	540	58.4
2007	0-9	2	0.9	0	0.0	2	1.8
	10-14	2	1.8	1	1.8	1	1.9
	15-19	70	59.7	10	16.7	60	104.5
	20-24	159	118.2	45	66.6	114	170.3
	25-29	127	82.3	37	47.1	90	119.0
	30-34	65	45.8	21	28.7	44	64.0
	35-39	61	39.8	25	31.6	36	48.6
	40-44	35	23.4	15	19.6	20	27.4
	45+	56	8.2	17	5.2	39	10.9
	Missing	37	0.0	11	0.0	26	0.0
	All Ages	615	32.9	182	19.5	432	46.1
2008	0-9	0	0.0	0	0.0	0	0.0
	10-14	2	1.8	1	1.8	1	1.9
	15-19	77	65.3	9	14.9	68	117.9
	20-24	118	88.0	29	43.2	89	133.1
	25-29	98	61.7	25	30.8	73	93.8
	30-34	61	42.5	19	25.7	42	60.3
	35-39	38	24.9	15	19.1	23	31.1
	40-44	37	25.1	11	14.6	26	36.2
	45+	80	11.4	18	5.4	62	17.0
	Missing	4	0.0	2	0.0	2	0.0
	All Ages	515	27.2	129	13.7	386	40.8
2009	0-9	0	0.0	0	0.0	0	0.0
	10-14	1	0.9	0	0.0	1	1.9
	15-19	59	50.1	9	15.0	50	86.9
	20-24	136	101.9	32	47.9	104	156.0
	25-29	122	75.4	37	44.8	85	107.2
	30-34	68	46.6	31	41.2	37	52.2
	35-39	42	27.9	19	24.5	23	31.5
	40-44	33	22.6	10	13.3	23	32.4
	45+	80	11.2	25	7.3	55	14.8
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	541	28.3	163	17.1	378	39.5

Continued Table 5. Genital Herpes

Age Group	Total		Males		Females		
	Cases	Rate	Cases	Rate	Cases	Rate	
2010	0-9	1	0.4	0	0.0	1	0.9
	10-14	3	2.7	0	0.0	3	5.6
	15-19	64	54.5	9	15.0	55	95.8
	20-24	155	119.4	35	53.3	120	186.9
	25-29	123	76.6	34	41.6	89	112.7
	30-34	70	46.0	26	33.5	44	59.1
	35-39	48	32.2	23	30.3	25	34.2
	40-44	39	26.4	12	15.9	27	37.5
	45+	98	13.4	32	9.2	66	17.3
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	601	31.1	171	17.8	430	44.4
2011	0-9	1	0.4	0	0.0	1	0.9
	10-14	1	0.9	0	0.0	1	1.9
	15-19	70	60.4	11	18.6	59	104.2
	20-24	164	126.2	43	65.5	121	188.2
	25-29	128	80.0	41	50.3	87	110.9
	30-34	86	55.4	32	40.4	54	71.0
	35-39	53	36.5	21	28.4	32	44.8
	40-44	48	32.0	19	24.7	29	39.6
	45+	91	12.3	28	7.9	63	16.3
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	642	33.0	195	20.1	447	45.9
2012	0-9	1	0.4	0	0.0	1	0.9
	10-14	0	0.0	0	0.0	0	0.0
	15-19	81	69.4	7	11.7	74	129.8
	20-24	189	153.0	41	65.9	148	241.5
	25-29	167	108.7	46	59.0	121	160.2
	30-34	92	58.0	35	43.2	57	73.6
	35-39	53	36.5	16	21.7	37	52.0
	40-44	48	31.4	22	28.1	26	34.9
	45+	109	14.4	36	9.9	73	18.5
	Missing	2	0.0	0	0.0	2	0.0
	All Ages	743	38.0	203	20.8	539	54.9
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	76	64.7	11	18.4	65	112.7
	20-24	161	128.5	36	57.1	125	200.9
	25-29	153	99.6	45	57.7	108	142.9
	30-34	79	48.3	29	34.5	50	62.8
	35-39	70	47.6	19	25.4	51	70.7
	40-44	33	21.7	15	19.3	18	24.3
	45+	60	7.8	17	4.6	43	10.7
	Missing	1	0.0	1	0.0	0	0.0
	All Ages	633	31.9	173	17.5	460	46.3
2014	0-9	0	0.0	0	0.0	0	0.0
	10-14	1	0.9	0	0.0	1	1.8
	15-19	49	41.3	3	5.0	46	78.7
	20-24	96	74.6	17	26.3	79	123.5
	25-29	107	67.0	33	40.6	74	94.2
	30-34	50	29.2	16	18.2	34	41.0
	35-39	48	31.9	23	29.9	25	33.9
	40-44	22	14.7	10	13.1	12	16.4
	45+	12	1.5	9	2.4	3	0.7
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	385	19.1	111	11.0	274	27.1