

North Carolina HIV/STD Quarterly Surveillance Report: Vol. 2015, No. 4

HIV/STD Surveillance Unit

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ANNOUNCEMENTS:

Readers should consider the data in this report to be *preliminary*. These data represent reports for short time periods and changes noted from quarter to quarter may not be meaningful. Some cases listed in this report are considered presumptive; their status may change as case investigation continues.

The North Carolina sexually transmitted disease (STD) surveillance data system underwent extensive changes in 2012 and 2013 as North Carolina implemented reporting for human immunodeficiency virus (HIV) infection, including acquired immunodeficiency syndrome (AIDS), and syphilis into North Carolina Electronic Disease Surveillance System (NC EDSS). Reporting delays and changes in reporting processes for these two conditions may have substantially affected data.

If you have questions or comments, please contact us at the address or phone number above.

About the authors

North Carolina law requires that diagnoses of certain communicable diseases, including sexually transmitted diseases (STDs), be reported to local health departments that in turn report the information to the state. The HIV/STD Surveillance Unit (HSSU) is the designated recipient for STD morbidity reports at the state level and is responsible for aggregating reports and providing statewide information about these diseases to others, including the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia. The HSSU is part of the Communicable Disease Branch within the North Carolina Division of Public Health.

About the contents of this report

The *North Carolina HIV/STD Surveillance Report: Vol. 2015, No. 4* presents statistics and trends of sexually transmitted diseases (including HIV and AIDS) in North Carolina from January 1 through December 31, 2015. All reports are presented by the date received by the HSSU. This report is intended as a reference document for local health departments, program managers, health planners, researchers and others who are concerned with the public health implications of these diseases. **The information in this quarterly report is meant to be brief and provide limited data on these diseases throughout the year. More detailed and complete information will continue to be available in annual publications.** This report and our annual publications are available on our website (<http://epi.publichealth.nc.gov/cd/stds/figures.html>). The CDC maintains data about these diseases for the United States; national information is available from its website (<http://www.cdc.gov/hiv/library/reports/surveillance/>).



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HIV Infection Surveillance Data

Human immunodeficiency virus (HIV) infection case reports represents all new diagnoses with HIV in North Carolina regardless of the stage of the disease (including acquired immunodeficiency syndrome [AIDS]). Most persons are reported with only an HIV infection, but some persons are reported with a concurrent diagnosis of AIDS (an AIDS diagnosis within six months of the initial HIV infection diagnosis). In North Carolina, about one-quarter of the new HIV infection reports represent persons who are diagnosed with HIV infection and AIDS at the same time. **AIDS case reports**, by contrast, represent only persons with HIV infection who have progressed to this later, more life threatening, stage of disease. For these reasons, HIV infection reports and AIDS case reports should be considered separately. The two categories should never be combined to estimate an infected population, as the broad group of HIV disease includes AIDS cases, and combining the two categories would therefore double-count the AIDS cases. **HIV infection and AIDS cases are both presented by date of report in this publication.** This gives a preliminary look at HIV infection surveillance for 2015. Because HIV and AIDS morbidity trends are better described using date of diagnosis rather than date of report, only summary counts for the counties and a state total are provided. Annual reports and the HIV/STD Epidemiologic Profile present HIV infections by **date of diagnosis**, not date of report, and therefore should not be compared to the quarterly report. Also, HIV and AIDS cases diagnosed/reported from long-term care institutions, such as prisons, are not included in county totals, but are listed under “Unassigned” county.

Chlamydia Surveillance Data

Chlamydia case reports represent persons who have a laboratory-confirmed chlamydial infection. It is important to note that chlamydial infection is often asymptomatic in both males and females, and most cases are detected through screening. The disease can cause serious complications in females, and a number of screening programs are in place to detect infection in young women. There are no comparable screening programs for young men. For this reason, chlamydia case reports are always highly biased with respect to gender. Changes in the number of reported cases may be due to changes in screening practices. Increases in morbidity totals since 2008 are likely to be the result of enhancements in laboratory reporting. Chlamydia infections are presented by **date of report** in this publication.

Gonorrhea Surveillance Data

Gonorrhea case reports represent persons who have a laboratory-confirmed gonorrhea infection. Gonorrhea is often symptomatic in males and slightly less so in females. Many cases are detected when patients seek medical care. Others are detected through screening, but to a far lesser degree than chlamydia cases. Gonorrhea can cause serious complications for females, and a number of screening programs exist targeting this population. There is less screening of males but since they are more likely to have symptoms that would bring them to the STD clinic, gender bias in gonorrhea reporting is not likely to be large. Public clinics and health departments may do a better job of conducting such screening programs and reporting cases, causing the reported cases to be biased toward those attending public clinics. Gonorrhea infections are presented by **date of report** in this publication.

Syphilis Surveillance Data

Syphilis cases are reported by stage of infection, which is determined through a combination of laboratory testing and patient interviews. Primary and secondary syphilis have very specific symptoms associated with them, so misclassification of these stages is highly unlikely. Early latent syphilis is asymptomatic but can be staged with confirmation that the person has been infected for less than a year. Together these three stages that occur within the first year of infection are called “early syphilis.” This report includes only early syphilis cases, though other later stages are reported to HSSU. Because North Carolina performs patient interviews, partner notification, and contact tracing on all early syphilis cases, the quality of the early latent case data is also quite good. Screening programs are more likely to detect asymptomatic cases, which may introduce some bias in the early latent case reports toward screened populations (pregnant women, jail inmates, others). But, thorough contact tracing further aids in case detection and reduces these biases. Syphilis infections are presented by **date of report** in this publication; however, in the annual report and HIV/STD Epidemiologic Profile, infections are presented by **date of diagnosis**.

For more information

The data descriptions provided on this page are succinct. For a more detailed discussion of the content, strengths, and weaknesses of STD and HIV surveillance data, please see Appendix B in the *Epidemiologic Profile for HIV/STD Prevention & Care Planning, December 2013*. This report can be found on our website <http://epi.publichealth.nc.gov/cd/stds/figures.html>.

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Table 1. North Carolina Newly Reported Chlamydia Infections by Gender and Age, 2015

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2015 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	Unknown	--- ^a	---	--- ^a	---	--- ^a	---	--- ^a	---	--- ^a	---
	0-9	--- ^a	---	--- ^a	---	--- ^a	---	--- ^a	---	6	0.0
	10-14	13	0.1	12	0.1	12	0.1	5	0.0	42	0.1
	15-19	895	4.7	629	4.7	625	4.7	676	5.4	2,825	4.9
	20-24	1,982	10.5	1,388	10.4	1,399	10.6	1,337	10.6	6,106	10.5
	25-29	977	5.2	745	5.6	764	5.8	748	5.9	3,234	5.6
	30-34	439	2.3	314	2.4	332	2.5	324	2.6	1,409	2.4
	35-39	196	1.0	152	1.1	189	1.4	193	1.5	730	1.3
	40-44	129	0.7	77	0.6	80	0.6	88	0.7	374	0.6
	45-54	143	0.8	88	0.7	78	0.6	87	0.7	396	0.7
	55-64	34	0.2	21	0.2	26	0.2	30	0.2	111	0.2
	65+	--- ^a	---	--- ^a	---	--- ^a	---	--- ^a	---	--- ^a	---
Total	4,816	25.5	3,432	25.8	3,519	26.7	3,497	27.8	15,264	26.3	
Female	Unknown	--- ^a	---	--- ^a	---	--- ^a	---	--- ^a	---	--- ^a	---
	0-9	--- ^a	---	--- ^a	---	--- ^a	---	--- ^a	---	9	0.0
	10-14	125	0.7	86	0.6	78	0.6	74	0.6	363	0.6
	15-19	4,220	22.3	2,960	22.2	2,910	22.1	2,846	22.6	12,936	22.3
	20-24	5,824	30.8	4,076	30.6	3,982	30.2	3,625	28.8	17,507	30.2
	25-29	2,309	12.2	1,611	12.1	1,594	12.1	1,503	11.9	7,017	12.1
	30-34	849	4.5	654	4.9	566	4.3	547	4.3	2,616	4.5
	35-39	431	2.3	285	2.1	305	2.3	269	2.1	1,290	2.2
	40-44	198	1.0	114	0.9	125	0.9	112	0.9	549	0.9
	45-54	113	0.6	84	0.6	87	0.7	85	0.7	369	0.6
	55-64	28	0.1	8	0.1	12	0.1	13	0.1	61	0.1
	65+	--- ^a	---	--- ^a	---	--- ^a	---	--- ^a	---	--- ^a	---
Total	14,102	74.5	9,883	74.2	9,663	73.3	9,081	72.2	42,729	73.7	
Total ^b	Unknown	1	0.0	3	0.0	6	0.0	1	0.0	11	0.0
	0-9	2	0.0	4	0.0	2	0.0	7	0.1	15	0.0
	10-14	138	0.7	98	0.7	90	0.7	79	0.6	405	0.7
	15-19	5,115	27.0	3,590	27.0	3,535	26.8	3,522	28.0	15,762	27.2
	20-24	7,806	41.3	5,464	41.0	5,381	40.8	4,962	39.4	23,613	40.7
	25-29	3,286	17.4	2,356	17.7	2,358	17.9	2,252	17.9	10,252	17.7
	30-34	1,288	6.8	968	7.3	898	6.8	871	6.9	4,025	6.9
	35-39	627	3.3	437	3.3	494	3.7	462	3.7	2,020	3.5
	40-44	327	1.7	191	1.4	205	1.6	200	1.6	923	1.6
	45-54	256	1.4	172	1.3	165	1.3	172	1.4	765	1.3
	55-64	62	0.3	29	0.2	38	0.3	43	0.3	172	0.3
	65+	10	0.1	4	0.0	10	0.1	8	0.1	32	0.1
Total	18,918	100.0	13,316	100.0	13,182	100.0	12,579	100.0	57,995	100.0	

^aCell count and percentages have been suppressed to avoid identification of cells that have counts less than five through direct or indirect means.

^bTotal includes 2 cases with unreported gender (1 case in Quarter 2, 1 case in Quarter 4).

Data Source: North Carolina Electronic Disease Surveillance System (data as of January 6, 2016).

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Table 2. North Carolina Newly Reported Chlamydia Infections by Gender and Race/Ethnicity, 2015

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2015 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native ^a	45	0.2	33	0.2	34	0.3	38	0.3	150	0.3
	Asian/Pacific Islander ^a	29	0.2	18	0.1	16	0.1	21	0.2	84	0.1
	Black/African American ^a	2,000	10.6	1,383	10.4	1,319	10	1,383	11	6,085	10.5
	Hispanic/Latino	273	1.4	231	1.7	211	1.6	150	1.2	865	1.5
	White/Caucasian ^a	695	3.7	492	3.7	478	3.6	484	3.8	2,149	3.7
	Unknown	1,774	9.4	1,275	9.6	1,461	11.1	1,421	11.3	5,931	10.2
	Total	4,816	25.5	3,432	25.8	3,519	26.7	3,497	27.8	15,264	26.3
Female	American Indian/Alaska Native ^a	221	1.2	171	1.3	148	1.1	124	1	664	1.1
	Asian/Pacific Islander ^a	98	0.5	81	0.6	59	0.4	39	0.3	277	0.5
	Black/African American ^a	5,541	29.3	3,791	28.5	3,690	28	3,325	26.4	16,347	28.2
	Hispanic/Latino	974	5.1	742	5.6	646	4.9	611	4.9	2,973	5.1
	White/Caucasian ^a	2,795	14.8	1,970	14.8	1,926	14.6	1,793	14.3	8,484	14.6
	Unknown	4,473	23.6	3,128	23.5	3,194	24.2	3,189	25.4	13,984	24.1
	Total	14,102	74.5	9,883	74.2	9,663	73.3	9,081	72.2	42,729	73.7
Total ^b	American Indian/Alaska Native ^a	266	1.4	204	1.5	182	1.4	162	1.3	814	1.4
	Asian/Pacific Islander ^a	127	0.7	99	0.7	75	0.6	60	0.5	361	0.6
	Black/African American ^a	7,541	39.9	5,175	38.9	5,009	38	4,708	37.4	22,433	38.7
	Hispanic/Latino	1,247	6.6	973	7.3	857	6.5	761	6	3,838	6.6
	White/Caucasian ^a	3,490	18.4	2,462	18.5	2,404	18.2	2,277	18.1	10,633	18.3
	Unknown	6,247	33	4,403	33.1	4,655	35.3	4,611	36.7	19,916	34.3
	Total	18,918	100	13,316	100	13,182	100	12,579	100	57,995	100

^aNon-Hispanic/Latino.

^bTotal includes 2 cases with unreported gender (1 case in Quarter 2, 1 case in Quarter 4).

Data Source: North Carolina Electronic Disease Surveillance System (data as of January 6, 2016).

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Table 3. North Carolina Newly Reported Gonorrhea Infections by Gender and Age, 2015

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2015 Total	
		Cases	%	Cases	%	Case	%	Cases	%	Cases	%
Male	Unknown	--- ^a	---	--- ^a	---	0	0.0	0	0.0	--- ^a	---
	0-9	--- ^a	---	--- ^a	---	0	0.0	--- ^a	---	0	0.0
	10-14	--- ^a	---	5	0.1	--- ^a	---	--- ^a	---	9	0.1
	15-19	356	6.8	276	6.8	252	6.2	221	6.2	1,105	6.5
	20-24	818	15.6	681	16.8	684	16.8	570	16.0	2,753	16.2
	25-29	555	10.6	459	11.3	479	11.7	360	10.1	1,853	10.9
	30-34	303	5.8	194	4.8	240	5.9	221	6.2	958	5.6
	35-39	160	3.1	133	3.3	136	3.3	129	3.6	558	3.3
	40-44	109	2.1	75	1.8	95	2.3	68	1.9	347	2.0
	45-54	120	2.3	114	2.8	101	2.5	103	2.9	438	2.6
	55-64	--- ^a	---	--- ^a	---	43	1.1	33	0.9	159	0.9
	65+	--- ^a	---	--- ^a	---	--- ^a	---	--- ^a	---	--- ^a	---
Total	2,472	47.1	1,986	48.9	2,040	50.0	1,714	48.0	8,212	48.4	
Female	Unknown	--- ^a	---	--- ^a	---	0	0.0	0	0.0	--- ^a	---
	0-9	--- ^a	---	--- ^a	---	0	0.0	--- ^a	---	5	0.0
	10-14	--- ^a	---	20	0.5	--- ^a	---	--- ^a	---	79	0.5
	15-19	698	13.3	516	12.7	512	12.5	474	13.3	2,200	13.0
	20-24	1,102	21.0	798	19.6	754	18.5	680	19.1	3,334	19.7
	25-29	550	10.5	423	10.4	423	10.4	383	10.7	1,779	10.5
	30-34	220	4.2	161	4.0	169	4.1	156	4.4	706	4.2
	35-39	90	1.7	87	2.1	85	2.1	70	2.0	332	2.0
	40-44	43	0.8	37	0.9	45	1.1	37	1.0	162	1.0
	45-54	29	0.6	30	0.7	33	0.8	30	0.8	122	0.7
	55-64	--- ^a	---	--- ^a	---	6	0.1	6	0.2	21	0.1
	65+	--- ^a	---	--- ^a	---	--- ^a	---	--- ^a	---	--- ^a	---
Total	2,772	52.9	2,079	51.1	2,041	50.0	1,855	52.0	8,747	51.6	
Total ^b	Unknown	2	0.0	1	0.0	0	0.0	0	0.0	3	0.0
	0-9	1	0.0	1	0.0	0	0.0	3	0.1	5	0.0
	10-14	33	0.6	25	0.6	13	0.3	17	0.5	88	0.5
	15-19	1,054	20.1	792	19.5	764	18.7	695	19.5	3,305	19.5
	20-24	1,920	36.6	1,479	36.4	1,438	35.2	1,250	35.0	6,087	35.9
	25-29	1,106	21.1	882	21.7	902	22.1	743	20.8	3,633	21.4
	30-34	523	10.0	355	8.7	409	10.0	377	10.6	1,664	9.8
	35-39	250	4.8	220	5.4	221	5.4	199	5.6	890	5.2
	40-44	152	2.9	112	2.8	140	3.4	105	2.9	509	3.0
	45-54	149	2.8	144	3.5	134	3.3	133	3.7	560	3.3
	55-64	46	0.9	46	1.1	49	1.2	39	1.1	180	1.1
	65+	9	0.2	8	0.2	11	0.3	8	0.2	36	0.2
Total	5,245	100.0	4,065	100.0	4,081	100.0	3,569	100.0	16,960	100.0	

^aCell count and percentages have been suppressed to avoid identification of cells that have counts less than five through direct or indirect means.

^bTotal includes 1 case with unreported gender (1 case in Quarter 1).

Data Source: North Carolina Electronic Disease Surveillance System (data as of January 6, 2016).

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Table 4. North Carolina Newly Reported Gonorrhea Infections by Gender and Race/Ethnicity, 2015

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2015 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native ^a	28	0.5	---	---	---	---	---	---	82	0.5
	Asian/Pacific Islander ^a	10	0.2	---	---	---	---	---	---	20	0.1
	Black/African American ^a	1,422	27.1	1,136	27.9	1,150	28.2	932	26.1	4,640	27.4
	Hispanic/Latino	72	1.4	51	1.3	63	1.5	48	1.3	234	1.4
	White/Caucasian ^a	306	5.8	236	5.8	212	5.2	188	5.3	942	5.6
	Unknown	634	12.1	542	13.3	591	14.5	527	14.8	2,294	13.5
	Total	2,472	47.1	1,986	48.9	2,040	50	1,714	48	8,212	48.4
Female	American Indian/Alaska Native ^a	42	0.8	---	---	---	---	---	---	139	0.8
	Asian/Pacific Islander ^a	10	0.2	---	---	---	---	---	---	31	0.2
	Black/African American ^a	1,551	29.6	1,119	27.5	1,105	27.1	996	27.9	4,771	28.1
	Hispanic/Latino	74	1.4	56	1.4	68	1.7	44	1.2	242	1.4
	White/Caucasian ^a	381	7.3	295	7.3	323	7.9	245	6.9	1,244	7.3
	Unknown	714	13.6	566	13.9	511	12.5	529	14.8	2,320	13.7
	Total	2,772	52.9	2,079	51.1	2,041	50	1,855	52	8,747	51.6
Total ^c	American Indian/Alaska Native ^a	70	1.3	55	1.4	45	1.1	51	1.4	221	1.3
	Asian/Pacific Islander ^a	20	0.4	9	0.2	13	0.3	9	0.3	51	0.3
	Black/African American ^a	2,973	56.7	2,255	55.5	2,255	55.3	1,928	54	9,411	55.5
	Hispanic/Latino	146	2.8	107	2.6	131	3.2	92	2.6	476	2.8
	White/Caucasian ^a	687	13.1	531	13.1	535	13.1	433	12.1	2,186	12.9
	Unknown	1,349	25.7	1,108	27.3	1,102	27	1,056	29.6	4,615	27.2
	Total	5,245	100	4,065	100	4,081	100	3,569	100	16,960	100

^aNon-Hispanic/Latino.

^bCell count and percentages have been suppressed to avoid identification of cells that have counts less than five through direct or indirect means.

^cTotal includes 1 case with unreported gender (1 case in Quarter 1).

Data Source: North Carolina Electronic Disease Surveillance System (data as of January 6, 2016).

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Table 5. North Carolina Newly Reported Early Syphilis (Primary, Secondary, and Early Latent) Infections by Gender and Age, 2015

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2015 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	0-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-19	8	2.8	---a	---	27	5.1	---a	---	65	3.9
	20-24	52	18.2	89	22.0	101	18.9	101	22.3	343	20.5
	25-29	---a	---	---a	---	111	20.8	87	19.2	318	19.0
	30-34	---a	---	56	13.9	---a	---	46	10.2	208	12.4
	35-39	---a	---	27	6.7	---a	---	38	8.4	136	8.1
	40-44	---a	---	26	6.4	34	6.4	---a	---	124	7.4
	45-54	---a	---	---a	---	66	12.4	58	12.8	204	12.2
	55-64	---a	---	---a	---	---a	---	---a	---	---a	---
	65+	---a	---	---a	---	---a	---	---a	---	---a	---
Total		254	89.1	351	86.9	478	89.7	397	87.8	1,480	88.4
Female	Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	0-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-19	0	0.0	---a	---	6	1.1	---a	---	13	0.8
	20-24	9	3.2	14	3.5	10	1.9	14	3.1	47	2.8
	25-29	---a	---	---a	---	17	3.2	12	2.7	43	2.6
	30-34	---a	---	8	2.0	---a	---	7	1.5	24	1.4
	35-39	---a	---	5	1.2	---a	---	5	1.1	18	1.1
	40-44	---a	---	7	1.7	5	0.9	---a	---	18	1.1
	45-54	---a	---	---a	---	6	1.1	7	1.5	22	1.3
	55-64	---a	---	---a	---	---a	---	---a	---	---a	---
	65+	---a	---	---a	---	---a	---	---a	---	---a	---
Total		31	10.9	53	13.1	55	10.3	55	12.2	194	11.6
Total	Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	0-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-19	8	2.8	15	3.7	33	6.2	22	4.9	78	4.7
	20-24	61	21.4	103	25.5	111	20.8	115	25.4	390	23.3
	25-29	59	20.7	75	18.6	128	24.0	99	21.9	361	21.6
	30-34	45	15.8	64	15.8	70	13.1	53	11.7	232	13.9
	35-39	27	9.5	32	7.9	52	9.8	43	9.5	154	9.2
	40-44	36	12.6	33	8.2	39	7.3	34	7.5	142	8.5
	45-54	37	13.0	52	12.9	72	13.5	65	14.4	226	13.5
	55-64	10	3.5	25	6.2	24	4.5	17	3.8	76	4.5
	65+	2	0.7	5	1.2	4	0.8	4	0.9	15	0.9
Total		285	100.0	404	100.0	533	100.0	452	100.0	1,674	100.0

^aCell count and percentages have been suppressed to avoid identification of cells that have counts less than five through direct or indirect means.

Data Source: North Carolina Electronic Disease Surveillance System (data as of January 6, 2016).

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Table 6. North Carolina Newly Reported Early Syphilis (Primary, Secondary, and Early Latent) Infections by Gender and Race/Ethnicity, 2015

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2015 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native^a	--- ^b	---	--- ^b	---	--- ^b	---	--- ^b	---	--- ^b	---
	Asian/Pacific Islander^a	--- ^b	---	--- ^b	---	--- ^b	---	--- ^b	---	--- ^b	---
	Black/African American^a	144	50.5	200	49.5	313	58.7	249	55.1	906	54.1
	Hispanic/Latino	--- ^b	---	--- ^b	---	--- ^b	---	27	6	93	5.6
	White/Caucasian^a	84	29.5	107	26.5	118	22.1	102	22.6	411	24.6
	Unknown	--- ^b	---	--- ^b	---	--- ^b	---	--- ^b	---	48	2.9
	Total	254	89.1	351	86.9	478	89.7	397	87.8	1,480	88.4
Female	American Indian/Alaska Native^a	--- ^b	---	--- ^b	---	--- ^b	---	--- ^b	---	--- ^b	---
	Asian/Pacific Islander^a	--- ^b	---	--- ^b	---	--- ^b	---	--- ^b	---	--- ^b	---
	Black/African American^a	21	7.4	38	9.4	46	8.6	42	9.3	147	8.8
	Hispanic/Latino	--- ^b	---	--- ^b	---	--- ^b	---	0	0	6	0.4
	White/Caucasian^a	8	2.8	7	1.7	6	1.1	12	2.7	33	2
	Unknown	--- ^b	---	--- ^b	---	--- ^b	---	--- ^b	---	6	0.4
	Total	31	10.9	53	13.1	55	10.3	55	12.2	194	11.6
Total^c	American Indian/Alaska Native^a	2	0.7	3	0.7	3	0.6	5	1.1	13	0.8
	Asian/Pacific Islander^a	1	0.4	5	1.2	3	0.6	2	0.4	11	0.7
	Black/African American^a	165	57.9	238	58.9	359	67.4	291	64.4	1,053	62.9
	Hispanic/Latino	12	4.2	25	6.2	35	6.6	27	6	99	5.9
	White/Caucasian^a	92	32.3	114	28.2	124	23.3	114	25.2	444	26.5
	Unknown	13	4.6	19	4.7	9	1.7	13	2.9	54	3.2
	Total	285	100	404	100	533	100	452	100	1,674	100

^aNon-Hispanic/Latino.

^bCell count and percentages have been suppressed to avoid identification of cells that have counts less than five through direct or indirect means.

Data Source: North Carolina Electronic Disease Surveillance System (data as of January 6, 2016).

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Table 7. North Carolina Newly Reported Chlamydia, Gonorrhea, and Early Syphilis (Primary, Secondary, and Early Latent) Infections by County of Residence at Time of Report, 2013-2015

COUNTY	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2013 Jan-Dec	2014 Jan-Dec	2015 Jan-Dec	2013 Jan-Dec	2014 Jan-Dec	2015 Jan-Dec	2013 Jan-Dec	2014 Jan-Dec	2015 Jan-Dec	2013 Jan-Dec	2014 Jan-Dec	2015 Jan-Dec
ALAMANCE	513	628	881	138	262	309	5	7	15	2	6	6
ALEXANDER	73	71	67	8	13	3	0	0	0	0	0	0
ALLEGHANY	23	14	12	2	1	0	0	0	0	0	0	0
ANSON	134	167	186	43	62	100	0	0	3	0	0	0
ASHE	11	20	24	0	1	0	0	0	0	0	0	1
AVERY	12	7	15	1	1	2	0	0	0	0	0	0
BEAUFORT	261	212	253	46	36	56	1	4	2	2	3	3
BERTIE	110	105	184	46	28	73	0	0	0	0	0	0
BLADEN	211	172	168	69	43	52	0	4	1	2	2	3
BRUNSWICK	252	245	325	62	77	99	1	2	2	1	0	5
BUNCOMBE	897	771	957	290	244	290	4	7	13	5	6	12
BURKE	226	184	286	33	26	38	2	2	0	4	0	0
CABARRUS	666	762	854	145	166	162	2	4	15	0	4	7
CALDWELL	177	172	205	44	23	28	0	0	4	0	0	1
CAMDEN	39	23	33	5	1	6	0	0	0	1	0	0
CARTERET	182	171	245	36	21	37	0	0	3	1	2	1
CASWELL	65	65	111	29	23	34	0	0	2	3	1	0
CATAWBA	542	505	540	113	127	115	1	2	3	2	5	10
CHATHAM	169	163	197	36	30	54	1	2	1	1	1	0
CHEROKEE	29	33	35	4	3	6	0	0	3	0	0	2
CHOWAN	60	84	94	10	19	11	1	0	1	0	0	0
CLAY	12	17	7	4	5	1	0	0	0	0	0	0
CLEVELAND	374	418	544	129	115	156	1	2	3	0	0	5
COLUMBUS	226	206	310	75	79	94	0	0	6	1	1	4
CRAVEN	552	589	752	103	110	178	4	4	8	1	6	10
CUMBERLAND	3,610	3,079	3,441	1,196	1,083	1,069	19	59	75	11	34	34
CURRITUCK	70	72	62	6	6	8	0	0	0	0	0	0
DARE	104	90	104	5	8	28	0	0	1	0	0	1
DAVIDSON	544	451	688	138	124	228	3	4	7	4	3	0
DAVIE	109	114	127	19	33	27	0	0	1	0	0	0
DUPLIN	207	215	241	64	35	78	0	2	3	0	1	3
DURHAM	2,002	2,065	2,468	758	743	721	30	47	79	16	26	42
EDGECOMBE	541	547	617	172	194	207	3	5	13	4	3	11
FORSYTH	2,508	2,288	2,723	742	904	1,073	24	34	48	18	24	32
FRANKLIN	206	251	268	62	84	81	2	4	3	0	0	1
GASTON	1,258	1,050	1,321	341	290	298	4	6	11	1	3	11
GATES	46	34	48	9	4	11	1	1	0	0	0	0
GRAHAM	11	17	18	2	4	2	0	0	0	0	0	0
GRANVILLE	251	314	409	85	66	93	1	1	7	0	0	1
GREENE	84	90	136	39	29	42	0	4	0	0	1	1
GUILFORD	3,748	3,401	4,398	1,344	1,259	1,533	29	40	110	21	50	73
HALIFAX	421	392	420	100	74	168	2	1	2	0	0	2
HARNETT	468	451	597	128	103	142	5	7	10	3	2	8
HAYWOOD	114	100	142	20	24	26	0	2	0	0	2	1
HENDERSON	210	247	223	64	48	54	1	2	2	0	3	2
HERTFORD	162	169	242	41	32	58	0	4	0	0	1	0
HOKE	247	283	282	90	93	121	1	1	3	1	2	3
HYDE	13	7	21	3	0	2	0	0	0	0	1	0
IREDELL	466	459	637	97	122	146	3	1	3	2	1	2
JACKSON	108	112	145	17	38	35	0	0	6	0	0	2
JOHNSTON	550	493	731	117	109	190	2	10	10	1	4	8
JONES	31	29	38	4	11	20	0	0	0	0	1	0

Continued

Data Source: North Carolina Electronic Disease Surveillance System (data as of January 6, 2016).

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Table 7 (Continued). North Carolina Newly Reported Chlamydia, Gonorrhea, and Early Syphilis (Primary, Secondary, and Early Latent) Infections by County of Residence at Time of Report, 2013-2015

COUNTY	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2013 Jan-Dec	2014 Jan-Dec	2015 Jan-Dec	2013 Jan-Dec	2014 Jan-Dec	2015 Jan-Dec	2013 Jan-Dec	2014 Jan-Dec	2015 Jan-Dec	2013 Jan-Dec	2014 Jan-Dec	2015 Jan-Dec
LEE	312	249	285	85	65	63	0	1	6	1	0	2
LENOIR	386	369	408	119	144	158	5	12	6	7	4	6
LINCOLN	196	196	255	22	30	39	0	2	2	0	3	3
MACON	74	83	75	11	12	16	0	0	1	0	1	0
MADISON	46	33	63	5	10	8	0	1	0	0	0	0
MARTIN	134	100	144	39	29	30	1	2	3	0	0	3
MCDOWELL	109	101	172	4	13	28	0	0	1	0	0	1
MECKLENBURG	6,087	6,313	8,684	1,775	2,284	2,667	109	183	216	46	97	112
MITCHELL	16	13	13	2	2	0	0	0	0	0	0	0
MONTGOMERY	107	107	118	22	33	26	0	0	2	0	0	1
MOORE	293	270	332	44	79	58	0	2	2	0	3	3
NASH	558	584	650	176	184	235	1	11	15	1	1	7
NEW HANOVER	933	908	1,261	266	332	378	5	10	20	1	6	9
NORTHAMPTON	143	135	144	41	42	43	1	1	0	0	1	0
ONSLow	1,481	1,191	1,440	302	234	215	3	6	7	4	3	7
ORANGE	470	472	684	114	112	183	3	12	11	0	5	2
PAMLICO	37	41	21	5	16	5	1	0	1	1	0	0
PASQUOTANK	316	206	298	54	56	69	2	1	2	1	2	1
PENDER	153	147	165	47	45	63	2	1	4	1	1	4
PERQUIMANS	52	43	60	13	13	19	0	0	0	0	0	0
PERSON	159	151	205	44	43	64	1	1	3	0	0	1
PITT	1,639	1,535	1,733	323	398	493	13	23	31	8	18	18
POLK	24	28	23	3	6	1	0	1	0	0	0	0
RANDOLPH	365	442	460	55	103	153	1	1	7	0	2	3
RICHMOND	223	325	425	42	61	91	0	1	0	0	0	2
ROBESON	1,019	923	1,236	260	320	388	6	14	15	3	13	14
ROCKINGHAM	305	260	292	94	90	100	8	3	0	0	4	2
ROWAN	726	670	829	237	211	192	3	6	5	3	5	4
RUTHERFORD	193	160	216	58	69	45	0	0	3	0	0	2
SAMPSON	266	247	307	116	66	82	0	7	4	2	2	3
SCOTLAND	298	288	292	124	99	81	1	1	3	2	1	3
STANLY	184	166	252	55	45	40	1	5	2	1	4	1
STOKES	108	107	149	12	14	16	0	0	2	1	0	0
SURRY	152	143	192	15	15	16	0	0	2	0	0	2
SWAIN	42	59	77	3	24	14	0	0	0	0	0	0
TRANSYLVANIA	79	92	73	16	22	14	0	1	0	0	0	0
TYRRELL	26	18	10	3	3	1	0	0	0	0	0	0
UNION	459	574	827	112	116	195	4	6	5	1	2	3
VANCE	361	579	489	148	237	162	2	10	5	3	2	2
WAKE	4,210	4,384	4,613	1,205	1,215	1,360	66	115	142	40	73	82
WARREN	108	127	150	43	29	27	1	2	0	0	1	1
WASHINGTON	84	59	89	35	25	15	1	0	1	0	1	0
WATAUGA	116	120	186	2	15	20	0	2	0	0	0	0
WAYNE	817	739	844	197	231	357	9	7	13	0	10	10
WILKES	105	138	188	11	11	12	0	0	4	0	0	2
WILSON	425	524	630	156	161	336	2	9	13	0	4	11
YADKIN	101	73	82	13	13	14	1	0	0	1	1	1
YANCEY	15	32	22	3	2	3	0	1	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	48,417	47,148	57,995	13,665	14,415	16,960	406	736	1,038	236	469	636

Data Source: North Carolina Electronic Disease Surveillance System (data as of January 6, 2016).

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Table 8. North Carolina Newly Reported HIV Infections by County of Residence at Time of Report, 2013-2015

COUNTY	2013 Jan-Dec	2014 Jan-Dec	2015 Jan-Dec
ALAMANCE	20	21	15
ALEXANDER	1	5	0
ALLEGHANY	0	0	0
ANSON	6	3	4
ASHE	1	0	0
AVERY	0	0	1
BEAUFORT	6	4	3
BERTIE	3	6	9
BLADEN	10	4	5
BRUNSWICK	8	13	5
BUNCOMBE	27	22	25
BURKE	3	1	5
CABARRUS	20	19	13
CALDWELL	2	1	4
CAMDEN	0	0	1
CARTERET	5	4	5
CASWELL	2	0	2
CATAWBA	15	15	9
CHATHAM	7	2	6
CHEROKEE	1	2	2
CHOWAN	2	1	1
CLAY	0	0	0
CLEVELAND	9	10	8
COLUMBUS	4	12	7
CRAVEN	10	10	8
CUMBERLAND	75	87	101
CURRITUCK	0	0	0
DARE	5	1	4
DAVIDSON	16	9	12
DAVIE	0	0	1
DUPLIN	9	5	9
DURHAM	78	71	72
EDGECOMBE	17	21	17
FORSYTH	67	58	55
FRANKLIN	6	2	7
GASTON	28	25	32
GATES	1	0	0
GRAHAM	1	0	0
GRANVILLE	9	5	6
GREENE	2	5	4
GUILFORD	119	102	129
HALIFAX	8	10	10
HARNETT	13	9	12
HAYWOOD	3	2	2
HENDERSON	3	4	9
HERTFORD	5	3	3
HOKE	6	12	5
HYDE	0	0	0
IREDELL	10	5	8
JACKSON	3	6	2
JOHNSTON	15	16	13

COUNTY	2013 Jan-Dec	2014 Jan-Dec	2015 Jan-Dec
JONES	1	1	0
LEE	2	6	9
LENOIR	17	10	8
LINCOLN	6	0	3
MACON	2	3	4
MADISON	1	0	0
MARTIN	3	2	4
MCDOWELL	4	1	1
MECKLENBURG	303	322	305
MITCHELL	0	0	0
MONTGOMERY	3	3	2
MOORE	7	13	10
NASH	14	18	15
NEW HANOVER	19	13	32
NORTHAMPTON	4	5	3
ONSLow	20	21	24
ORANGE	16	14	12
PAMLICO	3	2	0
PASQUOTANK	5	5	4
PENDER	2	7	3
PERQUIMANS	0	2	1
PERSON	8	3	5
PITT	36	44	33
POLK	0	2	0
RANDOLPH	4	6	6
RICHMOND	3	3	2
ROBESON	24	20	27
ROCKINGHAM	5	7	3
ROWAN	6	12	14
RUTHERFORD	1	1	5
SAMPSON	3	8	4
SCOTLAND	1	7	13
STANLY	4	8	2
STOKES	1	0	3
SURRY	6	3	4
SWAIN	2	1	0
TRANSYLVANIA	1	2	1
TYRRELL	0	0	0
UNION	17	15	16
VANCE	7	12	6
WAKE	162	167	149
WARREN	0	1	1
WASHINGTON	0	5	0
WATAUGA	2	1	4
WAYNE	18	13	14
WILKES	4	1	1
WILSON	7	14	9
YADKIN	1	3	1
YANCEY	0	0	0
UNASSIGNED*	76	56	48
TOTAL	1,492	1,476	1,462

* Unassigned includes cases with unknown county of residence at diagnosis or cases that were diagnosed at a long-term care facility such as prison.
Data Source: enhanced HIV/AIDS Reporting System (eHARS) (data as of January 4, 2016).

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Table 9. North Carolina Newly Reported AIDS (HIV Infection Stage 3) Cases by County of Residence at Time of Report, 2013-2015

COUNTY	2013 Jan-Dec	2014 Jan-Dec	2015 Jan-Dec
ALAMANCE	9	17	10
ALEXANDER	0	0	0
ALLEGHANY	0	0	0
ANSON	2	4	1
ASHE	0	0	0
AVERY	1	0	0
BEAUFORT	4	3	5
BERTIE	1	4	2
BLADEN	6	6	3
BRUNSWICK	4	6	0
BUNCOMBE	30	12	14
BURKE	2	4	2
CABARRUS	18	10	9
CALDWELL	1	5	2
CAMDEN	0	0	1
CARTERET	3	4	3
CASWELL	1	0	1
CATAWBA	3	6	6
CHATHAM	2	8	5
CHEROKEE	0	2	1
CHOWAN	1	1	1
CLAY	0	0	0
CLEVELAND	10	10	3
COLUMBUS	7	5	7
Craven	3	7	7
CUMBERLAND	36	43	44
CURRITUCK	0	0	0
DARE	2	0	2
DAVIDSON	4	2	16
DAVIE	2	0	0
DUPLIN	7	1	1
DURHAM	26	43	56
EDGECOMBE	11	6	5
FORSYTH	31	21	54
FRANKLIN	2	1	3
GASTON	19	13	18
GATES	0	0	0
GRAHAM	1	0	0
GRANVILLE	10	7	6
GREENE	2	3	4
GUILFORD	46	30	42
HALIFAX	2	4	5
HARNETT	7	7	9
HAYWOOD	2	1	1
HENDERSON	1	0	3
HERTFORD	2	2	2
HOKE	2	5	1
HYDE	0	0	0
IREDELL	8	3	8
JACKSON	0	3	1
JOHNSTON	6	13	10
JONES	3	1	0
LEE	5	6	6

COUNTY	2013 Jan-Dec	2014 Jan-Dec	2015 Jan-Dec
LENOIR	13	7	6
LINCOLN	4	3	2
MACON	3	2	1
MADISON	0	0	3
MARTIN	3	2	3
MCDOWELL	1	0	1
MECKLENBURG	345	177	146
MITCHELL	1	0	0
MONTGOMERY	1	2	1
MOORE	6	8	6
NASH	17	8	13
NEW HANOVER	14	5	14
NORTHAMPTON	3	2	4
ONSLow	14	5	9
ORANGE	8	10	8
PAMLICO	1	1	0
PASQUOTANK	2	2	3
PENDER	1	4	1
PERQUIMANS	2	1	0
PERSON	3	2	6
PITT	24	11	9
POLK	1	0	0
RANDOLPH	6	2	6
RICHMOND	4	8	4
ROBESON	15	9	16
ROCKINGHAM	4	3	4
ROWAN	8	8	5
RUTHERFORD	2	0	3
SAMPSON	3	5	2
SCOTLAND	2	3	6
STANLY	13	2	4
STOKES	1	0	3
SURRY	2	1	5
SWAIN	1	0	0
TRANSYLVANIA	1	1	0
TYRRELL	0	0	0
UNION	16	9	7
VANCE	7	6	6
WAKE	88	61	70
WARREN	1	1	2
WASHINGTON	1	3	0
WATAUGA	1	0	1
WAYNE	14	13	6
WILKES	1	0	1
WILSON	11	9	10
YADKIN	0	2	0
YANCEY	1	0	0
UNASSIGNED*	41	15	16
TOTAL	1,056	742	793

* Unassigned includes cases with unknown county of residence at diagnosis or cases that were diagnosed at a long-term care facility such as prison.
Data Source: enhanced HIV/AIDS Reporting System (eHARS) (data as of January 4, 2016).