

North Carolina HIV/STD Quarterly Surveillance Report: Vol. 2017, No. 1

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. *Case review and confirmation is incomplete for this quarter. For the first quarter of 2017, chlamydia cases are approximately 25% underestimated; gonorrhea cases are approximately 45% underestimated.* Some cases listed in this report are considered presumptive; their status may change as case investigation continues.

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. 2017, No. 1* presents statistics and trends of sexually transmitted diseases (including HIV and AIDS) in North Carolina from January 1 through March 31, 2017. All reports are presented by the **date of diagnosis**. 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 diagnosis in this publication.** This gives a preliminary look at HIV infection surveillance for 2017. Also, HIV and AIDS cases diagnosed 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 (such as infertility), 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 diagnosis** 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 (such as infertility), 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 diagnosis** 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 diagnosis** in this publication.

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 Diagnosed Chlamydia Infections by Gender and Age, 2017

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2017 Total	
		Cases	%	Cases	%	Case	%	Cases	%	Cases	%
Male	Unknown	0	0.0							0	0.0
	0-9	0	0.0							0	0.0
	10-14	6	0.1							6	0.1
	15-19	699	6.1							699	6.1
	20-24	1,346	11.7							1,346	11.7
	25-29	761	6.6							761	6.6
	30-34	312	2.7							312	2.7
	35-39	164	1.4							164	1.4
	40-44	75	0.7							75	0.7
	45-54	91	0.8							91	0.8
	55-64	27	0.2							27	0.2
	65+	10	0.1							10	0.1
Total		3,491	30.4							3,491	30.4
Female	Unknown	0	0.0							0	0.0
	0-9	0	0.0							0	0.0
	10-14	63	0.5							63	0.5
	15-19	2,503	21.8							2,503	21.8
	20-24	3,123	27.2							3,123	27.2
	25-29	1,306	11.4							1,306	11.4
	30-34	544	4.7							544	4.7
	35-39	230	2.0							230	2.0
	40-44	108	0.9							108	0.9
	45-54	76	0.7							76	0.7
	55-64	18	0.2							18	0.2
	65+	5	0.0							5	0.0
Total		7,976	69.6							7,976	69.6
Total ^b	Unknown	0	0.0							0	0.0
	0-9	0	0.0							0	0.0
	10-14	69	0.6							69	0.6
	15-19	3,202	27.9							3,202	27.9
	20-24	4,469	39.0							4,469	39.0
	25-29	2,067	18.0							2,067	18.0
	30-34	857	7.5							857	7.5
	35-39	394	3.4							394	3.4
	40-44	183	1.6							183	1.6
	45-54	167	1.5							167	1.5
	55-64	45	0.4							45	0.4
	65+	15	0.1							15	0.1
Total		11,468	100.0							11,468	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 May 22, 2017).

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Table 2. North Carolina Newly Diagnosed Chlamydia Infections by Gender and Race/Ethnicity, 2017

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2017 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native ^a	31	0.3							31	0.3
	Asian/Pacific Islander ^a	--- ^b	--- ^b							--- ^b	--- ^b
	Black/African American ^a	1,212	10.6							1,212	10.6
	Hispanic/Latino	198	1.7							198	1.7
	White/Caucasian ^a	515	4.5							515	4.5
	Multiple Race	--- ^b	--- ^b							--- ^b	--- ^b
	Unknown	1,514	13.2							1,514	13.2
	Total	3,491	30.4							3,491	30.4
Female	American Indian/Alaska Native ^a	142	1.2							142	1.2
	Asian/Pacific Islander ^a	--- ^b	--- ^b							--- ^b	--- ^b
	Black/African American ^a	2,624	22.9							2,624	22.9
	Hispanic/Latino	612	5.3							612	5.3
	White/Caucasian ^a	1,506	13.1							1,506	13.1
	Multiple Race	--- ^b	--- ^b							--- ^b	--- ^b
	Unknown	3,019	26.3							3,019	26.3
	Total	7,976	69.6							7,976	69.6
Total ^c	American Indian/Alaska Native ^a	173	1.5							173	1.5
	Asian/Pacific Islander ^a	71	0.6							71	0.6
	Black/African American ^a	3,836	33.4							3,836	33.4
	Hispanic/Latino	810	7.1							810	7.1
	White/Caucasian ^a	2,021	17.6							2,021	17.6
	Multiple Race	24	0.2							24	0.2
	Unknown	4,533	39.5							4,533	39.5
	Total	11,468	100.0							11,468	100.0

^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 May 22, 2017).

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Table 3. North Carolina Newly Diagnosed Gonorrhea Infections by Gender and Age, 2017

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2017 Total	
		Cases	%	Cases	%	Case	%	Cases	%	Cases	%
Male	Unknown	0	0.0							0	0.0
	0-9	0	0.0							0	0.0
	10-14	--- ^a	--- ^a							--- ^a	--- ^a
	15-19	131	5.9							131	5.9
	20-24	345	15.5							345	15.5
	25-29	276	12.4							276	12.4
	30-34	146	6.6							146	6.6
	35-39	89	4.0							89	4.0
	40-44	60	2.7							60	2.7
	45-54	78	3.5							78	3.5
	55-64	--- ^a	--- ^a							--- ^a	--- ^a
	65+	--- ^a	--- ^a							--- ^a	--- ^a
Total		1,162	52.1							1,162	52.1
Female	Unknown	0	0.0							0	0.0
	0-9	0	0.0							0	0.0
	10-14	--- ^a	--- ^a							--- ^a	--- ^a
	15-19	248	11.1							248	11.1
	20-24	395	17.7							395	17.7
	25-29	226	10.1							226	10.1
	30-34	87	3.9							87	3.9
	35-39	57	2.6							57	2.6
	40-44	26	1.2							26	1.2
	45-54	19	0.9							19	0.9
	55-64	--- ^a	--- ^a							--- ^a	--- ^a
	65+	--- ^a	--- ^a							--- ^a	--- ^a
Total		1,067	47.9							1,067	47.9
Total	Unknown	0	0.0							0	0.0
	0-9	0	0.0							0	0.0
	10-14	8	0.4							8	0.4
	15-19	379	17.0							379	17.0
	20-24	740	33.2							740	33.2
	25-29	502	22.5							502	22.5
	30-34	233	10.5							233	10.5
	35-39	146	6.6							146	6.6
	40-44	86	3.9							86	3.9
	45-54	97	4.4							97	4.4
	55-64	33	1.5							33	1.5
	65+	5	0.2							5	0.2
Total		2,229	100.0							2,229	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 May 22, 2017).

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Table 4. North Carolina Newly Diagnosed Gonorrhea Infections by Gender and Race/Ethnicity, 2017

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2017 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native ^a	10	0.4							10	0.4
	Asian/Pacific Islander ^a	--- ^b	--- ^b							--- ^b	--- ^b
	Black/African American ^a	576	25.8							576	25.8
	Hispanic/Latino	55	2.5							55	2.5
	White/Caucasian ^a	130	5.8							130	5.8
	Multiple Race	--- ^b	--- ^b							--- ^b	--- ^b
	Unknown	385	17.3							385	17.3
	Total	1,162	52.1							1,162	52.1
Female	American Indian/Alaska Native ^a	22	1.0							22	1.0
	Asian/Pacific Islander ^a	--- ^b	--- ^b							--- ^b	--- ^b
	Black/African American ^a	502	22.5							502	22.5
	Hispanic/Latino	27	1.2							27	1.2
	White/Caucasian ^a	165	7.4							165	7.4
	Multiple Race	--- ^b	--- ^b							--- ^b	--- ^b
	Unknown	340	15.3							340	15.3
	Total	1,067	47.9							1,067	47.9
Total	American Indian/Alaska Native ^a	32	1.4							32	1.4
	Asian/Pacific Islander ^a	9	0.4							9	0.4
	Black/African American ^a	1,078	48.4							1,078	48.4
	Hispanic/Latino	82	3.7							82	3.7
	White/Caucasian ^a	295	13.2							295	13.2
	Multiple Race	8	0.4							8	0.4
	Unknown	725	32.5							725	32.5
	Total	2,229	100.0							2,229	100.0

^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 May 22, 2017).

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Table 5. North Carolina Newly Diagnosed Early Syphilis (Primary, Secondary, and Early Latent) Infections by Gender and Age, 2017

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2017 Total	
		Cases	%	Cases	%	Case	%	Cases	%	Cases	%
Male	Unknown	0	0.0							0	0.0
	0-9	0	0.0							0	0.0
	10-14	--- ^a	--- ^a							--- ^a	--- ^a
	15-19	--- ^a	--- ^a							--- ^a	--- ^a
	20-24	97	23.2							97	23.2
	25-29	40	9.5							40	9.5
	30-34	38	9.1							38	9.1
	35-39	--- ^a	--- ^a							--- ^a	--- ^a
	40-44	--- ^a	--- ^a							--- ^a	--- ^a
	45-54	20	4.8							20	4.8
	55-64	--- ^a	--- ^a							--- ^a	--- ^a
	65+	0	0.0							0	0.0
	Total		373	89.0							373
Female	Unknown	0	0.0							0	0.0
	0-9	0	0.0							0	0.0
	10-14	--- ^a	--- ^a							--- ^a	--- ^a
	15-19	--- ^a	--- ^a							--- ^a	--- ^a
	20-24	13	3.1							13	3.1
	25-29	11	2.6							11	2.6
	30-34	6	1.4							6	1.4
	35-39	--- ^a	--- ^a							--- ^a	--- ^a
	40-44	--- ^a	--- ^a							--- ^a	--- ^a
	45-54	7	1.7							7	1.7
	55-64	--- ^a	--- ^a							--- ^a	--- ^a
	65+	0	0.0							0	0.0
	Total		46	11.0							46
Total	Unknown	0	0.0							0	0.0
	0-9	0	0.0							0	0.0
	10-14	18	4.3							18	4.3
	15-19	104	24.8							104	24.8
	20-24	108	25.8							108	25.8
	25-29	46	11.0							46	11.0
	30-34	40	9.5							40	9.5
	35-39	31	7.4							31	7.4
	40-44	48	11.5							48	11.5
	45-54	21	5.0							21	5.0
	55-64	3	0.7							3	0.7
	65+	0	0.0							0	0.0
Total		419	100.0							419	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 May 22, 2017).

Table 6. North Carolina Newly Diagnosed Early Syphilis (Primary, Secondary, and Early Latent) Infections by Gender and Race/Ethnicity, 2017

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2017 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native ^a	--- ^b	--- ^b							--- ^b	--- ^b
	Asian/Pacific Islander ^a	--- ^b	--- ^b							--- ^b	--- ^b
	Black/African American ^a	232	55.4							232	55.4
	Hispanic/Latino	--- ^b	--- ^b							--- ^b	--- ^b
	White/Caucasian ^a	100	23.9							100	23.9
	Multiple Race	--- ^b	--- ^b							--- ^b	--- ^b
	Unknown	--- ^b	--- ^b							--- ^b	--- ^b
	Total	373	89.0							373	89.0
Female	American Indian/Alaska Native ^a	--- ^b	--- ^b							--- ^b	--- ^b
	Asian/Pacific Islander ^a	--- ^b	--- ^b							--- ^b	--- ^b
	Black/African American ^a	31	7.4							31	7.4
	Hispanic/Latino	--- ^b	--- ^b							--- ^b	--- ^b
	White/Caucasian ^a	11	2.6							11	2.6
	Multiple Race	--- ^b	--- ^b							--- ^b	--- ^b
	Unknown	--- ^b	--- ^b							--- ^b	--- ^b
	Total	46	11.0							46	11.0
Total^c	American Indian/Alaska Native ^a	2	0.5							2	0.5
	Asian/Pacific Islander ^a	2	0.5							2	0.5
	Black/African American ^a	263	62.8							263	62.8
	Hispanic/Latino	28	6.7							28	6.7
	White/Caucasian ^a	111	26.5							111	26.5
	Multiple Race	10	2.4							10	2.4
	Unknown	3	0.7							3	0.7
	Total	419	100.0							419	100.0

^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 May 22, 2017).

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Table 7. North Carolina Newly Diagnosed Chlamydia, Gonorrhea, and Early Syphilis (Primary, Secondary, and Early Latent) Infections by County of Residence at Time of Diagnosis, 2015-2017

COUNTY	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2015 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar	2015 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar	2015 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar	2015 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar
ALAMANCE	213	220	170	73	100	22	1	4	5	2	6	1
ALEXANDER	18	20	16	0	6	3	0	0	0	0	0	0
ALLEGHANY	7	7	1	0	0	0	0	0	0	0	0	0
ANSON	38	37	28	16	25	18	1	1	1	0	0	0
ASHE	8	14	8	0	2	3	0	0	0	0	0	0
AVERY	6	8	4	0	3	0	0	0	0	0	0	0
BEAUFORT	53	79	54	9	16	6	1	2	0	1	0	0
BERTIE	34	39	26	16	6	1	0	1	0	0	0	0
BLADEN	37	43	35	8	15	19	0	0	1	2	0	1
BRUNSWICK	81	87	89	20	31	10	0	0	2	0	1	0
BUNCOMBE	204	236	255	57	44	53	3	5	10	7	3	3
BURKE	78	75	51	6	5	14	0	1	1	0	1	3
CABARRUS	203	213	199	35	40	27	0	1	1	2	1	1
CALDWELL	52	48	50	10	13	6	1	3	0	0	0	0
CAMDEN	4	9	2	1	1	1	0	0	0	0	0	0
CARTERET	41	65	39	9	19	1	1	1	0	0	0	0
CASWELL	23	26	26	10	9	4	0	1	0	0	0	0
CATAWBA	131	137	124	20	32	33	1	2	1	5	6	1
CHATHAM	43	40	40	14	14	7	0	1	0	0	0	0
CHEROKEE	8	8	12	1	0	4	2	0	0	1	0	0
CHOWAN	22	29	12	1	10	2	0	0	0	0	0	0
CLAY	2	5	1	1	0	0	0	0	0	0	0	0
CLEVELAND	102	110	100	35	33	43	0	0	0	3	1	0
COLUMBUS	68	87	53	17	23	14	2	0	1	0	1	0
CRAVEN	151	160	106	33	46	22	2	1	2	1	1	1
CUMBERLAND	781	777	625	273	267	148	33	14	9	9	11	6
CURRITUCK	18	15	6	0	4	0	0	0	0	0	0	0
DARE	22	16	14	7	2	1	1	0	0	0	0	0
DAVIDSON	142	188	108	55	80	30	3	0	1	0	5	1
DAVIE	25	38	22	6	6	3	0	2	0	0	0	0
DUPLIN	52	52	50	17	22	5	1	0	3	1	0	0
DURHAM	608	643	546	180	219	103	20	15	17	8	14	12
EDGECOMBE	153	129	94	58	41	34	2	2	2	2	4	3
FORSYTH	609	653	405	232	267	72	12	18	15	8	11	3
FRANKLIN	58	56	33	32	11	3	1	1	0	1	0	0
GASTON	275	315	181	58	93	46	2	7	7	3	3	3
GATES	14	10	7	3	4	1	0	0	0	0	0	0
GRAHAM	9	4	3	1	0	0	0	0	0	0	0	0
GRANVILLE	83	114	98	16	27	13	1	2	0	0	2	0
GREENE	32	43	22	8	12	2	0	0	0	0	1	0
GUILFORD	954	1,211	1,004	301	443	197	24	19	30	14	27	19
HALIFAX	99	89	63	31	17	8	0	2	3	1	0	1
HARNETT	139	126	108	31	27	13	0	3	0	1	0	1
HAYWOOD	28	32	26	10	3	4	0	2	6	1	0	0
HENDERSON	43	72	20	13	7	9	0	0	2	1	0	1
HERTFORD	39	35	35	12	14	1	0	0	0	0	0	1
HOKE	77	80	62	36	40	12	0	1	0	1	1	1
HYDE	10	9	4	0	0	0	0	0	0	0	0	0
IREDELL	150	163	124	33	48	35	0	2	2	0	0	0
JACKSON	37	35	36	12	6	4	1	2	1	1	0	0
JOHNSTON	174	164	117	27	44	35	3	3	1	1	2	2
JONES	10	7	10	3	4	3	0	2	0	0	0	0

Continued

Data Source: North Carolina Electronic Disease Surveillance System (data as of May 22, 2017).

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Table 7 (Continued). North Carolina Newly Diagnosed Chlamydia, Gonorrhea, and Early Syphilis (Primary, Secondary, and Early Latent) Infections by County of Residence at Time of Diagnosis, 2015-2017

COUNTY	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2015 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar	2015 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar	2015 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar	2015 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar
LEE	65	73	66	12	34	11	1	0	0	0	0	0
LENOIR	77	105	86	27	40	17	1	1	0	1	3	1
LINCOLN	66	58	49	9	15	7	0	3	0	0	0	0
MACON	22	22	6	5	4	0	0	0	1	0	0	0
MADISON	13	20	4	1	0	1	0	0	0	0	0	0
MARTIN	29	37	24	6	5	3	1	0	1	1	0	0
MCDOWELL	38	46	26	4	7	5	0	0	0	0	0	0
MECKLENBURG	1,891	1,922	1,714	579	645	336	51	92	61	28	58	34
MITCHELL	4	8	6	0	0	0	0	0	0	0	0	0
MONTGOMERY	28	22	24	5	9	1	1	0	0	1	0	1
MOORE	66	84	44	15	29	5	0	0	0	0	0	0
NASH	137	182	110	57	41	28	2	7	5	3	3	1
NEW HANOVER	274	292	227	87	106	45	4	2	2	1	3	3
NORTHAMPTON	45	30	24	6	9	1	0	0	2	0	2	0
ONSLow	411	388	286	64	68	20	0	0	2	3	1	1
ORANGE	150	176	181	48	39	16	2	1	3	0	3	1
PAMLICO	3	3	5	1	1	1	1	0	0	0	0	0
PASQUOTANK	49	77	54	13	11	11	0	0	0	0	0	0
PENDER	30	41	35	12	22	10	0	0	1	1	1	0
PERQUIMANS	8	19	11	2	3	0	0	0	0	0	0	0
PERSON	63	47	46	17	14	7	2	1	0	0	0	0
PITT	468	519	394	102	126	65	10	4	2	3	5	3
POLK	4	11	13	0	2	2	0	0	0	0	0	0
RANDOLPH	92	91	103	31	47	20	3	0	1	1	0	0
RICHMOND	100	95	38	15	23	3	0	0	0	0	3	0
ROBESON	263	287	289	98	124	48	5	4	2	2	3	2
ROCKINGHAM	64	97	79	18	59	19	0	0	1	0	3	2
ROWAN	178	179	186	46	37	36	1	1	4	3	1	0
RUTHERFORD	47	50	49	8	8	18	1	1	0	0	0	1
SAMPSON	73	76	51	20	24	18	2	2	1	1	0	0
SCOTLAND	72	77	73	23	18	18	0	1	1	2	4	0
STANLY	56	56	40	8	15	2	0	0	6	0	1	1
STOKES	23	37	18	2	11	1	1	0	0	0	1	1
SURRY	44	47	40	2	8	4	1	1	1	0	1	0
SWAIN	29	31	6	4	8	3	0	1	0	0	0	0
TRANSYLVANIA	16	16	14	5	1	0	0	0	0	0	0	1
TYRRELL	3	1	0	0	0	0	0	0	0	0	0	0
UNION	191	182	169	34	44	31	0	5	2	1	2	4
VANCE	143	119	76	36	42	24	1	2	1	2	2	0
WAKE	1,084	1,374	1,113	292	398	213	40	32	29	22	38	32
WARREN	41	24	11	8	5	5	0	0	0	0	1	0
WASHINGTON	13	21	17	2	4	6	1	1	1	0	0	0
WATAUGA	47	47	44	5	10	4	0	0	1	0	0	0
WAYNE	192	226	150	75	111	45	3	1	4	5	3	0
WILKES	41	30	38	4	7	6	3	0	1	0	0	0
WILSON	123	113	88	67	50	14	2	2	3	1	1	2
YADKIN	17	28	14	0	4	3	0	0	0	0	0	0
YANCEY	2	3	3	1	1	1	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	13,163	14,367	11,468	3,723	4,490	2,229	259	286	263	159	245	156

Data Source: North Carolina Electronic Disease Surveillance System (data as of May 22, 2017).

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Table 8. North Carolina Newly Diagnosed HIV Infections by County of Residence at Time of Diagnosis, 2015-2017

COUNTY	2015 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar
ALAMANCE	2	2	5
ALEXANDER	0	0	0
ALLEGHANY	0	0	0
ANSON	0	2	1
ASHE	0	1	0
AVERY	0	0	0
BEAUFORT	0	1	0
BERTIE	0	1	0
BLADEN	0	0	0
BRUNSWICK	1	1	2
BUNCOMBE	7	9	5
BURKE	2	2	2
CABARRUS	0	7	3
CALDWELL	0	2	0
CAMDEN	0	0	0
CARTERET	1	0	1
CASWELL	0	1	0
CATAWBA	1	1	1
CHATHAM	2	0	1
CHEROKEE	1	0	0
CHOWAN	0	0	0
CLAY	0	0	0
CLEVELAND	1	1	3
COLUMBUS	2	1	2
CRAVEN	0	4	0
CUMBERLAND	34	15	23
CURRITUCK	0	1	0
DARE	1	1	2
DAVIDSON	2	3	0
DAVIE	0	0	0
DUPLIN	1	0	2
DURHAM	17	27	17
EDGECOMBE	2	4	5
FORSYTH	14	19	15
FRANKLIN	1	2	3
GASTON	4	8	6
GATES	0	0	0
GRAHAM	0	0	0
GRANVILLE	1	0	2
GREENE	0	0	0
GUILFORD	19	38	31
HALIFAX	3	4	2
HARNETT	2	2	5
HAYWOOD	1	0	1
HENDERSON	2	1	2
HERTFORD	1	1	1
HOKE	2	0	1
HYDE	0	1	0
IREDELL	4	2	1
JACKSON	0	0	3
JOHNSTON	0	1	3

COUNTY	2015 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar
JONES	0	0	0
LEE	1	2	0
LENOIR	3	1	0
LINCOLN	0	1	1
MACON	0	0	1
MADISON	0	0	0
MARTIN	3	1	0
MCDOWELL	0	0	0
MECKLENBURG	60	64	73
MITCHELL	0	1	0
MONTGOMERY	0	0	0
MOORE	1	2	0
NASH	4	4	0
NEW HANOVER	5	5	13
NORTHAMPTON	2	1	0
ONSLow	5	9	4
ORANGE	4	4	1
PAMLICO	0	0	0
PASQUOTANK	0	1	5
PENDER	0	1	2
PERQUIMANS	0	0	0
PERSON	2	1	1
PITT	8	9	5
POLK	0	0	0
RANDOLPH	2	3	0
RICHMOND	0	2	3
ROBESON	10	4	4
ROCKINGHAM	1	2	1
ROWAN	4	7	5
RUTHERFORD	0	2	0
SAMPSON	1	3	4
SCOTLAND	6	2	3
STANLY	0	2	0
STOKES	0	1	0
SURRY	0	1	0
SWAIN	0	0	0
TRANSYLVANIA	0	0	1
TYRRELL	0	0	0
UNION	6	8	3
VANCE	1	0	3
WAKE	32	45	43
WARREN	0	1	0
WASHINGTON	0	0	0
WATAUGA	2	0	1
WAYNE	3	4	3
WILKES	0	1	1
WILSON	3	3	3
YADKIN	0	0	0
YANCEY	0	1	0
UNASSIGNED*	5	3	2
TOTAL	305	368	337

* 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 May 1, 2017).

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Table 9. North Carolina Newly Diagnosed AIDS (HIV Infection Stage 3) Cases by County of Residence at Time of Diagnosis, 2015-2017

COUNTY	2015 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar
ALAMANCE	3	3	2
ALEXANDER	0	0	0
ALLEGHANY	0	0	0
ANSON	0	0	0
ASHE	0	0	0
AVERY	0	0	0
BEAUFORT	2	0	0
BERTIE	0	0	0
BLADEN	0	0	1
BRUNSWICK	0	1	1
BUNCOMBE	0	0	3
BURKE	1	4	0
CABARRUS	0	3	2
CALDWELL	1	3	0
CAMDEN	0	0	0
CARTERET	1	0	1
CASWELL	0	0	2
CATAWBA	1	0	0
CHATHAM	2	1	0
CHEROKEE	0	0	0
CHOWAN	0	0	0
CLAY	0	0	0
CLEVELAND	0	1	1
COLUMBUS	1	0	1
CRAVEN	2	0	0
CUMBERLAND	11	7	6
CURRITUCK	0	0	0
DARE	1	0	0
DAVIDSON	0	3	0
DAVIE	0	0	0
DUPLIN	0	0	1
DURHAM	12	10	14
EDGECOMBE	1	3	0
FORSYTH	4	12	7
FRANKLIN	0	0	1
GASTON	7	5	4
GATES	0	0	0
GRAHAM	0	0	0
GRANVILLE	1	3	0
GREENE	2	0	0
GUILFORD	7	8	7
HALIFAX	1	2	2
HARNETT	2	1	4
HAYWOOD	0	0	1
HENDERSON	1	0	1
HERTFORD	0	0	1
HOKE	0	0	1
HYDE	0	0	0
IREDELL	1	2	1
JACKSON	0	0	0
JOHNSTON	0	1	2
JONES	0	0	0
LEE	0	0	0

COUNTY	2015 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar
LENOIR	2	1	0
LINCOLN	0	1	1
MACON	0	0	0
MADISON	2	0	0
MARTIN	0	1	0
MCDOWELL	0	0	0
MECKLENBURG	37	32	27
MITCHELL	0	0	0
MONTGOMERY	0	0	0
MOORE	1	1	0
NASH	4	3	2
NEW HANOVER	1	1	0
NORTHAMPTON	0	2	0
ONSLow	1	3	2
ORANGE	2	3	1
PAMLICO	0	0	0
PASQUOTANK	1	0	1
PENDER	0	0	0
PERQUIMANS	0	0	0
PERSON	1	0	0
PITT	2	6	6
POLK	0	0	0
RANDOLPH	2	0	0
RICHMOND	2	1	4
ROBESON	4	2	3
ROCKINGHAM	1	1	0
ROWAN	0	2	4
RUTHERFORD	0	1	0
SAMPSON	0	0	1
SCOTLAND	2	2	0
STANLY	0	1	0
STOKES	0	0	0
SURRY	0	0	0
SWAIN	0	0	0
TRANSYLVANIA	0	0	0
TYRRELL	0	0	0
UNION	2	3	3
VANCE	4	1	1
WAKE	20	19	18
WARREN	0	0	2
WASHINGTON	0	0	0
WATAUGA	0	0	0
WAYNE	0	3	1
WILKES	0	0	0
WILSON	4	0	2
YADKIN	0	0	0
YANCEY	0	1	0
UNASSIGNED*	6	3	0
TOTAL	166	167	146

* 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 May 1, 2017).