North Carolina HIV/STD Quarterly Surveillance Report: Vol. 2018, 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 2018, chlamydia cases are approximately 7% underestimated; gonorrhea cases are approximately 6% 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. 2018, No. 1* presents statistics and trends of sexually transmitted diseases (including HIV and AIDS) in North Carolina from January 1 through March 31, 2018. 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/).

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES

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North Carolina Public Health

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 2018. 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.

Table 1. North Carolina Newly Diagnosed Chlamydia Infections by Gender and Age, 2018

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2018 Total	
		Cases	%	Cases	%	Case	%	Cases	%	Cases	%
Male	Unknown	---[a]	---[a]							---[a]	---[a]
	0-9	---[a]	---[a]							---[a]	---[a]
	10-14	6	0.0							6	0.0
	15-19	935	6.2							935	6.2
	20-24	1,758	11.7							1,758	11.7
	25-29	981	6.5							981	6.5
	30-34	432	2.9							432	2.9
	35-39	225	1.5							225	1.5
	40-44	124	0.8							124	0.8
	45-54	120	0.8							120	0.8
	55-64	33	0.2							33	0.2
	65+	6	0.0							6	0.0
	Total	4,623	30.8							4,623	30.8
Female	Unknown	---[a]	---[a]							---[a]	---[a]
	0-9	---[a]	---[a]							---[a]	---[a]
	10-14	75	0.5							75	0.5
	15-19	3,388	22.6							3,388	22.6
	20-24	4,028	26.9							4,028	26.9
	25-29	1,679	11.2							1,679	11.2
	30-34	655	4.4							655	4.4
	35-39	296	2.0							296	2.0
	40-44	121	0.8							121	0.8
	45-54	90	0.6							90	0.6
	55-64	32	0.2							32	0.2
	65+	5	0.0							5	0.0
	Total	10,369	69.2							10,369	69.2
Total	Unknown	1	0.0							1	0.0
	0-9	2	0.0							2	0.0
	10-14	81	0.5							81	0.5
	15-19	4,323	28.8							4,323	28.8
	20-24	5,786	38.6							5,786	38.6
	25-29	2,660	17.7							2,660	17.7
	30-34	1,087	7.3							1,087	7.3
	35-39	521	3.5							521	3.5
	40-44	245	1.6							245	1.6
	45-54	210	1.4							210	1.4
	55-64	65	0.4							65	0.4
	65+	11	0.1							11	0.1
	Total	14,992	100.0							14,992	100.0

[a]Cell 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 7, 2018).

Table 2. North Carolina Newly Diagnosed Chlamydia Infections by Gender and Race/Ethnicity, 2018

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2018 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native[a]	43	0.3							43	0.3
	Asian/Pacific Islander[a]	27	0.2							27	0.2
	Black/African American[a]	1,711	11.4							1,711	11.4
	Hispanic/Latino	263	1.8							263	1.8
	White/Caucasian[a]	656	4.4							656	4.4
	Multiple Race	7	0.0							7	0.0
	Unknown	1,916	12.8							1,916	12.8
	Total	4,623	30.8							4,623	30.8
Female	American Indian/Alaska Native[a]	139	0.9							139	0.9
	Asian/Pacific Islander[a]	76	0.5							76	0.5
	Black/African American[a]	3,501	23.4							3,501	23.4
	Hispanic/Latino	773	5.2							773	5.2
	White/Caucasian[a]	2,048	13.7							2,048	13.7
	Multiple Race	29	0.2							29	0.2
	Unknown	3,803	25.4							3,803	25.4
	Total	10,369	69.2							10,369	69.2
Total[c]	American Indian/Alaska Native[a]	182	1.2							182	1.2
	Asian/Pacific Islander[a]	103	0.7							103	0.7
	Black/African American[a]	5,212	34.8							5,212	34.8
	Hispanic/Latino	1,036	6.9							1,036	6.9
	White/Caucasian[a]	2,704	18.0							2,704	18.0
	Multiple Race	36	0.2							36	0.2
	Unknown	5,719	38.1							5,719	38.1
	Total	14,992	100.0							14,992	100.0

[a]Non-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of May 7, 2018).

Table 3. North Carolina Newly Diagnosed Gonorrhea Infections by Gender and Age, 2018

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2018 Total	
		Cases	%	Cases	%	Case	%	Cases	%	Cases	%
Male	Unknown	0	0.0							0	0.0
	0-9	---[a]	---[a]							---[a]	---[a]
	10-14	---[a]	---[a]							---[a]	---[a]
	15-19	342	6.7							342	6.7
	20-24	745	14.6							745	14.6
	25-29	583	11.4							583	11.4
	30-34	346	6.8							346	6.8
	35-39	188	3.7							188	3.7
	40-44	142	2.8							142	2.8
	45-54	139	2.7							139	2.7
	55-64	60	1.2							60	1.2
	65+	---[a]	---[a]							---[a]	---[a]
	Total	2,562	50.2							2,562	50.2
Female	Unknown	0	0.0							0	0.0
	0-9	---[a]	---[a]							---[a]	---[a]
	10-14	---[a]	---[a]							---[a]	---[a]
	15-19	637	12.5							637	12.5
	20-24	850	16.7							850	16.7
	25-29	532	10.4							532	10.4
	30-34	261	5.1							261	5.1
	35-39	115	2.3							115	2.3
	40-44	59	1.2							59	1.2
	45-54	51	1.0							51	1.0
	55-64	17	0.3							17	0.3
	65+	---[a]	---[a]							---[a]	---[a]
	Total	2,537	49.8							2,537	49.8
Total	Unknown	0	0.0							0	0.0
	0-9	1	0.0							1	0.0
	10-14	17	0.3							17	0.3
	15-19	979	19.2							979	19.2
	20-24	1,595	31.3							1,595	31.3
	25-29	1,115	21.9							1,115	21.9
	30-34	607	11.9							607	11.9
	35-39	303	5.9							303	5.9
	40-44	201	3.9							201	3.9
	45-54	190	3.7							190	3.7
	55-64	77	1.5							77	1.5
	65+	14	0.3							14	0.3
	Total	5,099	100.0							5,099	100.0

[a]Cell 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 7, 2018).

Table 4. North Carolina Newly Diagnosed Gonorrhea Infections by Gender and Race/Ethnicity, 2018

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2018 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native[a]	27	0.5							27	0.5
	Asian/Pacific Islander[a]	9	0.2							9	0.2
	Black/African American[a]	1,295	25.4							1,295	25.4
	Hispanic/Latino	92	1.8							92	1.8
	White/Caucasian[a]	320	6.3							320	6.3
	Multiple Race	6	0.1							6	0.1
	Unknown	813	15.9							813	15.9
	Total	2,562	50.2							2,562	50.2
Female	American Indian/Alaska Native[a]	42	0.8							42	0.8
	Asian/Pacific Islander[a]	10	0.2							10	0.2
	Black/African American[a]	1,126	22.1							1,126	22.1
	Hispanic/Latino	70	1.4							70	1.4
	White/Caucasian[a]	465	9.1							465	9.1
	Multiple Race	8	0.2							8	0.2
	Unknown	816	16.0							816	16.0
	Total	2,537	49.8							2,537	49.8
Total	American Indian/Alaska Native[a]	69	1.4							69	1.4
	Asian/Pacific Islander[a]	19	0.4							19	0.4
	Black/African American[a]	2,421	47.5							2,421	47.5
	Hispanic/Latino	162	3.2							162	3.2
	White/Caucasian[a]	785	15.4							785	15.4
	Multiple Race	14	0.3							14	0.3
	Unknown	1,629	31.9							1,629	31.9
	Total	5,099	100.0							5,099	100.0

[a]Non-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of May 7, 2018).

Table 5. North Carolina Newly Diagnosed Early Syphilis (Primary, Secondary, and Early Latent) Infections by Gender and Age, 2018

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2018 Total	
		Cases	%	Cases	%	Case	%	Cases	%	Cases	%
Male	Unknown	0	0.0							0	0.0
	0-9	0	0.0							0	0.0
	10-14	0	0.0							0	0.0
	15-19	---[a]	---[a]							---[a]	---[a]
	20-24	82	18.1							82	18.1
	25-29	82	18.1							82	18.1
	30-34	60	13.2							60	13.2
	35-39	41	9.0							41	9.0
	40-44	26	5.7							26	5.7
	45-54	---[a]	---[a]							---[a]	---[a]
	55-64	---[a]	---[a]							---[a]	---[a]
	65+	---[a]	---[a]							---[a]	---[a]
	Total	388	85.5							388	85.5
Female	Unknown	0	0.0							0	0.0
	0-9	0	0.0							0	0.0
	10-14	0	0.0							0	0.0
	15-19	---[a]	---[a]							---[a]	---[a]
	20-24	13	2.9							13	2.9
	25-29	20	4.4							20	4.4
	30-34	10	2.2							10	2.2
	35-39	6	1.3							6	1.3
	40-44	9	2.0							9	2.0
	45-54	---[a]	---[a]							---[a]	---[a]
	55-64	---[a]	---[a]							---[a]	---[a]
	65+	---[a]	---[a]							---[a]	---[a]
	Total	66	14.5							66	14.5
Total	Unknown	0	0.0							0	0.0
	0-9	0	0.0							0	0.0
	10-14	0	0.0							0	0.0
	15-19	20	4.4							20	4.4
	20-24	95	20.9							95	20.9
	25-29	102	22.5							102	22.5
	30-34	70	15.4							70	15.4
	35-39	47	10.4							47	10.4
	40-44	35	7.7							35	7.7
	45-54	56	12.3							56	12.3
	55-64	25	5.5							25	5.5
	65+	4	0.9							4	0.9
	Total	454	100.0							454	100.0

[a]Cell 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 7, 2018).

Table 6. North Carolina Newly Diagnosed Early Syphilis (Primary, Secondary, and Early Latent) Infections by Gender and Race/Ethnicity, 2018

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2018 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]	229	50.4							229	50.4
	Hispanic/Latino	---[b]	---[b]							---[b]	---[b]
	White/Caucasian[a]	99	21.8							99	21.8
	Multiple Race	---[b]	---[b]							---[b]	---[b]
	Unknown	11	2.4							11	2.4
	Total	388	85.5							388	85.5
Female	American Indian/Alaska Native[a]	---[b]	---[b]							---[b]	---[b]
	Asian/Pacific Islander[a]	---[b]	---[b]							---[b]	---[b]
	Black/African American[a]	48	10.6							48	10.6
	Hispanic/Latino	---[b]	---[b]							---[b]	---[b]
	White/Caucasian[a]	14	3.1							14	3.1
	Multiple Race	---[b]	---[b]							---[b]	---[b]
	Unknown	0	0.0							0	0.0
	Total	66	14.5							66	14.5
Total[c]	American Indian/Alaska Native[a]	3	0.7							3	0.7
	Asian/Pacific Islander[a]	4	0.9							4	0.9
	Black/African American[a]	277	61.0							277	61.0
	Hispanic/Latino	38	8.4							38	8.4
	White/Caucasian[a]	113	24.9							113	24.9
	Multiple Race	8	1.8							8	1.8
	Unknown	11	2.4							11	2.4
	Total	454	100.0							454	100.0

[a]Non-Hispanic/Latino.

[b]Cell 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 7, 2018).

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, 2016-2018

COUNTY	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2016 Jan-Mar	2017 Jan-Mar	2018 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar	2018 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar	2018 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar	2018 Jan-Mar
ALAMANCE	220	233	89	100	55	11	4	5	3	6	1	1
ALEXANDER	20	20	16	6	6	4	0	0	0	0	0	0
ALLEGHANY	7	3	9	0	0	1	0	0	0	0	0	0
ANSON	37	38	50	25	30	19	1	1	0	0	1	0
ASHE	14	8	10	2	3	1	0	0	0	0	0	0
AVERY	8	8	7	3	4	2	0	0	1	0	0	0
BEAUFORT	79	71	68	16	16	14	2	0	0	0	0	1
BERTIE	39	40	37	6	6	8	1	0	0	0	0	0
BLADEN	43	51	31	15	40	19	0	1	1	0	1	1
BRUNSWICK	87	111	105	31	25	27	0	2	0	1	1	3
BUNCOMBE	236	310	270	44	114	93	5	10	3	3	3	2
BURKE	75	77	78	5	42	44	1	1	0	1	3	0
CABARRUS	213	237	248	40	51	69	1	1	0	1	2	0
CALDWELL	48	65	54	13	23	33	3	0	1	0	0	1
CAMDEN	9	6	3	1	1	2	0	0	0	0	0	0
CARTERET	65	53	60	19	3	13	1	0	1	0	0	0
CASWELL	26	34	19	9	13	5	1	0	1	0	0	0
CATAWBA	137	164	152	32	73	72	2	1	6	6	1	3
CHATHAM	40	53	46	14	15	10	1	0	0	0	0	0
CHEROKEE	8	14	13	0	4	1	0	0	0	0	0	0
CHOWAN	29	20	12	10	11	9	0	0	0	0	0	0
CLAY	5	2	4	0	0	0	0	0	0	0	0	0
CLEVELAND	110	139	149	33	88	93	0	1	1	1	0	2
COLUMBUS	87	72	59	23	33	30	0	1	0	1	0	0
CRAVEN	160	219	176	46	43	51	1	1	1	1	1	4
CUMBERLAND	777	995	777	267	395	327	14	9	7	11	8	14
CURRITUCK	15	14	22	4	2	3	0	0	0	0	0	0
DARE	16	19	24	2	3	10	0	0	0	0	0	0
DAVIDSON	188	138	158	80	54	58	0	1	1	5	2	0
DAVIE	38	37	15	6	8	6	2	0	1	0	0	0
DUPLIN	52	68	65	22	23	18	0	3	1	0	0	3
DURHAM	643	693	689	219	257	233	15	18	21	14	12	17
EDGECOMBE	129	124	109	41	63	55	2	2	0	4	3	0
FORSYTH	653	643	592	267	222	249	18	14	13	11	3	12
FRANKLIN	56	83	57	11	22	32	1	0	0	0	0	0
GASTON	315	339	376	93	119	143	7	7	7	3	7	3
GATES	10	12	9	4	2	2	0	0	0	0	0	0
GRAHAM	4	5	3	0	0	2	0	0	0	0	0	0
GRANVILLE	114	127	110	27	32	31	2	0	0	2	0	0
GREENE	43	33	33	12	10	15	0	0	0	1	0	0
GUILFORD	1,211	1,272	1,299	443	428	464	19	32	22	27	18	18
HALIFAX	89	114	114	17	21	37	2	3	0	0	2	3
HARNETT	126	163	161	27	35	56	3	0	1	0	1	3
HAYWOOD	32	29	34	3	7	6	2	6	0	0	0	0
HENDERSON	72	81	71	7	23	27	0	2	1	0	1	0
HERTFORD	35	44	39	14	7	17	0	0	0	0	1	0
HOKE	80	100	71	40	37	18	1	0	1	1	1	2
HYDE	9	4	5	0	0	1	0	0	0	0	0	0
IREDELL	163	174	197	48	68	52	2	2	3	0	0	0
JACKSON	35	54	44	6	7	16	2	1	0	0	0	0
JOHNSTON	164	188	211	44	57	76	3	1	3	2	2	0
JONES	7	14	12	4	6	2	2	0	0	0	0	0

Continued

Data Source: North Carolina Electronic Disease Surveillance System (data as of May 7, 2018).

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, 2016-2018

COUNTY	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2016 Jan-Mar	2017 Jan-Mar	2018 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar	2018 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar	2018 Jan-Mar	2016 Jan-Mar	2017 Jan-Mar	2018 Jan-Mar
LEE	73	81	59	34	19	16	0	0	0	0	0	1
LENOIR	105	108	118	40	40	44	1	0	0	3	1	1
LINCOLN	58	69	65	15	12	19	3	0	1	0	0	1
MACON	22	28	31	4	2	7	0	1	1	0	0	1
MADISON	20	16	24	0	3	5	0	0	1	0	0	0
MARTIN	37	38	44	5	6	18	0	1	1	0	0	0
MCDOWELL	46	38	27	7	16	11	0	0	1	0	0	1
MECKLENBURG	1,922	2,245	2,201	645	762	733	92	72	63	58	49	40
MITCHELL	8	9	9	0	2	2	0	0	0	0	0	0
MONTGOMERY	22	43	39	9	3	3	0	1	0	0	1	0
MOORE	84	88	91	29	17	24	0	0	0	0	0	0
NASH	182	157	155	41	68	62	7	5	1	3	1	3
NEW HANOVER	292	353	306	106	106	90	2	3	8	3	2	6
NORTHAMPTON	30	33	35	9	10	15	0	2	0	2	0	0
ONSLOW	388	458	440	68	84	79	0	3	8	1	1	2
ORANGE	176	221	188	39	48	46	1	3	4	3	0	2
PAMLICO	3	8	8	1	2	0	0	0	0	0	0	0
PASQUOTANK	77	71	62	11	21	29	0	0	1	0	0	0
PENDER	41	52	43	22	16	15	0	1	1	1	0	2
PERQUIMANS	19	16	12	3	5	7	0	0	0	0	0	0
PERSON	47	54	49	14	14	20	1	0	0	0	0	0
PITT	519	546	408	126	163	134	4	2	4	5	3	5
POLK	11	14	10	2	7	0	0	0	1	0	0	0
RANDOLPH	91	119	114	47	42	51	0	1	1	0	0	1
RICHMOND	95	107	73	23	31	23	0	0	1	3	0	1
ROBESON	287	359	279	124	124	85	4	2	3	3	2	3
ROCKINGHAM	97	102	87	59	31	27	0	1	2	3	3	0
ROWAN	179	227	231	37	70	69	1	4	1	1	0	4
RUTHERFORD	50	54	74	8	37	51	1	0	0	0	1	0
SAMPSON	76	65	78	24	26	33	2	1	1	0	0	0
SCOTLAND	77	92	83	18	35	31	1	1	0	4	0	0
STANLY	56	53	71	15	5	13	0	6	0	1	1	0
STOKES	37	21	36	11	2	14	0	0	0	1	1	0
SURRY	47	57	51	8	5	6	1	1	0	1	0	1
SWAIN	31	18	23	8	3	12	1	0	0	0	0	0
TRANSYLVANIA	16	24	20	1	2	3	0	0	0	0	1	0
TYRRELL	1	0	1	0	0	0	0	0	0	0	0	0
UNION	182	222	231	44	59	72	5	3	2	2	4	1
VANCE	119	109	125	42	59	45	2	1	5	2	1	0
WAKE	1,374	1,503	1,401	398	457	453	32	29	36	37	35	27
WARREN	24	25	31	5	11	4	0	1	1	1	0	1
WASHINGTON	21	24	17	4	11	6	1	1	0	0	0	0
WATAUGA	47	70	70	10	10	9	0	1	1	0	0	0
WAYNE	226	190	176	111	95	56	1	4	1	3	0	2
WILKES	30	44	59	7	11	18	0	1	0	0	0	0
WILSON	113	112	154	50	53	47	2	3	0	1	2	2
YADKIN	28	23	15	4	8	3	0	0	1	0	0	0
YANCEY	3	6	6	1	2	2	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	14,367	15,987	14,992	4,490	5,222	5,099	286	281	253	244	184	201

Data Source: North Carolina Electronic Disease Surveillance System (data as of May 7, 2018).

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

COUNTY	2016 Jan-Mar	2017 Jan-Mar	2018 Jan-Mar
ALAMANCE	2	6	3
ALEXANDER	0	0	0
ALLEGHANY	0	0	0
ANSON	2	1	1
ASHE	1	0	0
AVERY	0	0	0
BEAUFORT	1	0	2
BERTIE	1	0	0
BLADEN	0	0	2
BRUNSWICK	1	2	3
BUNCOMBE	9	4	4
BURKE	2	2	0
CABARRUS	7	2	7
CALDWELL	2	0	3
CAMDEN	0	0	0
CARTERET	0	1	0
CASWELL	1	0	0
CATAWBA	1	1	4
CHATHAM	0	1	0
CHEROKEE	0	0	0
CHOWAN	0	0	0
CLAY	0	0	0
CLEVELAND	1	3	4
COLUMBUS	1	2	0
CRAVEN	4	0	4
CUMBERLAND	15	23	10
CURRITUCK	1	0	0
DARE	1	2	0
DAVIDSON	3	0	3
DAVIE	0	0	0
DUPLIN	0	2	1
DURHAM	27	17	16
EDGECOMBE	4	5	2
FORSYTH	19	15	18
FRANKLIN	2	3	0
GASTON	8	6	10
GATES	0	0	0
GRAHAM	0	0	0
GRANVILLE	0	2	6
GREENE	0	0	0
GUILFORD	37	32	31
HALIFAX	4	2	4
HARNETT	2	5	4
HAYWOOD	0	1	1
HENDERSON	1	3	2
HERTFORD	1	1	1
HOKE	0	1	2
HYDE	1	0	0
IREDELL	2	2	4
JACKSON	0	3	0
JOHNSTON	1	3	5
JONES	0	0	1
LEE	2	0	2
LENOIR	1	0	1
LINCOLN	1	1	1
MACON	0	1	0
MADISON	0	0	1
MARTIN	1	0	0
MCDOWELL	0	0	0
MECKLENBURG	64	66	54
MITCHELL	1	0	0
MONTGOMERY	0	0	0
MOORE	2	0	0
NASH	3	0	3
NEW HANOVER	4	12	7
NORTHAMPTON	1	0	0
ONSLOW	9	4	2
ORANGE	4	1	2
PAMLICO	0	0	0
PASQUOTANK	1	4	5
PENDER	1	2	0
PERQUIMANS	0	0	0
PERSON	1	1	1
PITT	9	5	10
POLK	0	0	0
RANDOLPH	3	0	0
RICHMOND	2	3	3
ROBESON	4	4	4
ROCKINGHAM	2	1	1
ROWAN	7	5	5
RUTHERFORD	2	0	1
SAMPSON	3	4	3
SCOTLAND	2	3	3
STANLY	2	0	1
STOKES	1	0	0
SURRY	1	0	0
SWAIN	0	0	0
TRANSYLVANIA	0	1	1
TYRRELL	0	0	0
UNION	8	3	4
VANCE	0	2	2
WAKE	45	39	27
WARREN	1	0	1
WASHINGTON	0	0	1
WATAUGA	0	1	0
WAYNE	4	3	4
WILKES	1	1	1
WILSON	3	3	2
YADKIN	0	0	0
YANCEY	1	0	0
UNASSIGNED*	3	3	2
TOTAL	365	326	313

* 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 7, 2018).

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

COUNTY	2016 Jan-Mar	2017 Jan-Mar	2018 Jan-Mar
ALAMANCE	3	2	3
ALEXANDER	0	0	0
ALLEGHANY	0	0	0
ANSON	0	0	1
ASHE	0	0	0
AVERY	0	0	0
BEAUFORT	0	0	0
BERTIE	0	0	2
BLADEN	0	1	1
BRUNSWICK	1	1	1
BUNCOMBE	0	3	0
BURKE	4	0	1
CABARRUS	3	2	1
CALDWELL	3	0	0
CAMDEN	0	0	0
CARTERET	0	1	0
CASWELL	0	2	0
CATAWBA	0	0	1
CHATHAM	1	0	0
CHEROKEE	0	0	0
CHOWAN	0	0	0
CLAY	0	0	0
CLEVELAND	1	1	2
COLUMBUS	0	1	0
CRAVEN	0	0	0
CUMBERLAND	7	7	8
CURRITUCK	0	0	0
DARE	0	0	0
DAVIDSON	3	0	3
DAVIE	0	0	0
DUPLIN	0	1	0
DURHAM	10	14	6
EDGECOMBE	3	0	0
FORSYTH	12	7	13
FRANKLIN	0	1	0
GASTON	5	6	4
GATES	0	0	0
GRAHAM	0	0	0
GRANVILLE	3	0	2
GREENE	0	0	0
GUILFORD	8	8	6
HALIFAX	2	2	0
HARNETT	1	4	2
HAYWOOD	0	1	0
HENDERSON	0	1	0
HERTFORD	0	1	1
HOKE	0	1	1
HYDE	0	0	0
IREDELL	2	1	0
JACKSON	0	1	0
JOHNSTON	1	2	4
JONES	0	0	1
LEE	0	0	0
LENOIR	1	0	0
LINCOLN	1	1	1
MACON	0	0	0
MADISON	0	0	1
MARTIN	1	0	1
MCDOWELL	0	0	0
MECKLENBURG	34	29	16
MITCHELL	0	0	0
MONTGOMERY	0	0	0
MOORE	1	0	0
NASH	3	2	3
NEW HANOVER	1	0	2
NORTHAMPTON	2	0	0
ONSLOW	3	3	1
ORANGE	3	1	1
PAMLICO	0	0	0
PASQUOTANK	0	1	0
PENDER	0	0	0
PERQUIMANS	0	0	0
PERSON	0	0	2
PITT	6	6	7
POLK	0	0	1
RANDOLPH	0	0	0
RICHMOND	1	4	1
ROBESON	2	3	2
ROCKINGHAM	1	0	2
ROWAN	2	4	0
RUTHERFORD	1	0	2
SAMPSON	0	1	3
SCOTLAND	2	0	1
STANLY	1	0	0
STOKES	0	0	0
SURRY	0	0	0
SWAIN	0	0	0
TRANSYLVANIA	0	0	0
TYRRELL	0	0	0
UNION	3	3	0
VANCE	1	1	1
WAKE	19	17	19
WARREN	0	2	0
WASHINGTON	0	0	0
WATAUGA	0	0	0
WAYNE	3	1	2
WILKES	0	0	0
WILSON	0	2	2
YADKIN	0	0	0
YANCEY	1	0	0
UNASSIGNED*	3	0	2
TOTAL	169	153	137

* 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 7, 2018).