North Carolina HIV/STD Quarterly Surveillance Report: Vol. 2020, No. 2

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.

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. 2020, No. 2* presents statistics and trends of sexually transmitted diseases (including HIV and AIDS) in North Carolina from January 1 through June 30, 2020. 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 (https://epi.dph.ncdhhs.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 2020. 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 https://epi.dph.ncdhhs.gov/cd/stds/figures.html.

Table 1. North Carolina Newly Diagnosed Chlamydia Infections by Gender and Age, 2020

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2020 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	Unknown	6	0.0	0	0.0					6	0.0
	0-9	0	0.0	0	0.0					0	0.0
	10-14	6	0.0	5	0.0					11	0.0
	15-19	1,029	6.1	657	5.8					1,686	6.0
	20-24	2,151	12.7	1,349	11.9					3,500	12.4
	25-29	1,161	6.9	757	6.7					1,918	6.8
	30-34	551	3.3	367	3.2					918	3.2
	35-39	320	1.9	190	1.7					510	1.8
	40-44	163	1.0	118	1.0					281	1.0
	45-54	170	1.0	98	0.9					268	0.9
	55-64	61	0.4	30	0.3					91	0.3
	65+	12	0.1	7	0.1					19	0.1
	Total	5,630	33.3	3,578	31.6					9,208	32.6
Female	Unknown	1	0.0	2	0.0					3	0.0
	0-9	3	0.0	2	0.0					5	0.0
	10-14	102	0.6	63	0.6					165	0.6
	15-19	3,550	21.0	2,345	20.7					5,895	20.9
	20-24	4,233	25.0	2,999	26.5					7,232	25.6
	25-29	1,948	11.5	1,313	11.6					3,261	11.5
	30-34	823	4.9	584	5.2					1,407	5.0
	35-39	328	1.9	238	2.1					566	2.0
	40-44	160	0.9	113	1.0					273	1.0
	45-54	117	0.7	78	0.7					195	0.7
	55-64	28	0.2	16	0.1					44	0.2
	65+	7	0.0	4	0.0					11	0.0
	Total	11,300	66.7	7,757	68.4					19,057	67.4
Total	Unknown	7	0.0	2	0.0					9	0.0
	0-9	3	0.0	2	0.0					5	0.0
	10-14	108	0.6	68	0.6					176	0.6
	15-19	4,579	27.0	3,002	26.5					7,581	26.8
	20-24	6,384	37.7	4,348	38.4					10,732	38.0
	25-29	3,109	18.4	2,070	18.3					5,179	18.3
	30-34	1,374	8.1	951	8.4					2,325	8.2
	35-39	648	3.8	428	3.8					1,076	3.8
	40-44	323	1.9	231	2.0					554	2.0
	45-54	287	1.7	176	1.6					463	1.6
	55-64	89	0.5	46	0.4					135	0.5
	65+	19	0.1	11	0.1					30	0.1
	Total	16,930	100.0	11,335	100.0					28,265	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 3, 2020).

Table 2. North Carolina Newly Diagnosed Chlamydia Infections by Gender and Race/Ethnicity, 2020

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2020 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native[a]	52	0.3	35	0.3					87	0.3
	Asian/Pacific Islander[a]	14	0.1	19	0.2					33	0.1
	Black/African American[a]	1,923	11.4	1,237	10.9					3,160	11.2
	Hispanic/Latino	368	2.2	207	1.8					575	2.0
	White/Caucasian[a]	734	4.3	454	4.0					1,188	4.2
	Multiple Race	21	0.1	12	0.1					33	0.1
	Unknown	2,518	14.9	1,614	14.2					4,132	14.6
	Total	5,630	33.3	3,578	31.6					9,208	32.6
Female	American Indian/Alaska Native[a]	148	0.9	89	0.8					237	0.8
	Asian/Pacific Islander[a]	69	0.4	50	0.4					119	0.4
	Black/African American[a]	3,504	20.7	2,389	21.1					5,893	20.8
	Hispanic/Latino	873	5.2	569	5.0					1,442	5.1
	White/Caucasian[a]	2,123	12.5	1,428	12.6					3,551	12.6
	Multiple Race	39	0.2	53	0.5					92	0.3
	Unknown	4,544	26.8	3,179	28.0					7,723	27.3
	Total	11,300	66.7	7,757	68.4					19,057	67.4
Total	American Indian/Alaska Native[a]	200	1.2	124	1.1					324	1.1
	Asian/Pacific Islander[a]	83	0.5	69	0.6					152	0.5
	Black/African American[a]	5,427	32.1	3,626	32.0					9,053	32.0
	Hispanic/Latino	1,241	7.3	776	6.8					2,017	7.1
	White/Caucasian[a]	2,857	16.9	1,882	16.6					4,739	16.8
	Multiple Race	60	0.4	65	0.6					125	0.4
	Unknown	7,062	41.7	4,793	42.3					11,855	41.9
	Total	16,930	100.0	11,335	100.0					28,265	100.0

[a]Non-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 3, 2020).

Table 3. North Carolina Newly Diagnosed Gonorrhea Infections by Gender and Age, 2020

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2020 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	Unknown	0	0.0	0	0.0					0	0.0
	0-9	0	0.0	0	0.0					0	0.0
	10-14	4	0.1	5	0.1					9	0.1
	15-19	361	5.9	294	5.7					655	5.8
	20-24	920	14.9	731	14.3					1,651	14.6
	25-29	736	11.9	681	13.3					1,417	12.6
	30-34	459	7.4	390	7.6					849	7.5
	35-39	289	4.7	204	4.0					493	4.4
	40-44	188	3.0	163	3.2					351	3.1
	45-54	199	3.2	148	2.9					347	3.1
	55-64	92	1.5	69	1.3					161	1.4
	65+	21	0.3	26	0.5					47	0.4
	Total	3,269	53.0	2,711	52.9					5,980	53.0
Female	Unknown	0	0.0	0	0.0					0	0.0
	0-9	0	0.0	3	0.1					3	0.0
	10-14	19	0.3	12	0.2					31	0.3
	15-19	686	11.1	565	11.0					1,251	11.1
	20-24	945	15.3	758	14.8					1,703	15.1
	25-29	591	9.6	518	10.1					1,109	9.8
	30-34	331	5.4	247	4.8					578	5.1
	35-39	165	2.7	164	3.2					329	2.9
	40-44	80	1.3	83	1.6					163	1.4
	45-54	59	1.0	45	0.9					104	0.9
	55-64	18	0.3	12	0.2					30	0.3
	65+	3	0.0	4	0.1					7	0.1
	Total	2,897	47.0	2,411	47.1					5,308	47.0
Total	Unknown	0	0.0	0	0.0					0	0.0
	0-9	0	0.0	3	0.1					3	0.0
	10-14	23	0.4	17	0.3					40	0.4
	15-19	1,047	17.0	859	16.8					1,906	16.9
	20-24	1,865	30.2	1,489	29.1					3,354	29.7
	25-29	1,327	21.5	1,199	23.4					2,526	22.4
	30-34	790	12.8	637	12.4					1,427	12.6
	35-39	454	7.4	368	7.2					822	7.3
	40-44	268	4.3	246	4.8					514	4.6
	45-54	258	4.2	193	3.8					451	4.0
	55-64	110	1.8	81	1.6					191	1.7
	65+	24	0.4	30	0.6					54	0.5
	Total	6,166	100.0	5,122	100.0					11,288	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 3, 2020).

Table 4. North Carolina Newly Diagnosed Gonorrhea Infections by Gender and Race/Ethnicity, 2020

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2020 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native[a]	23	0.4	19	0.4					42	0.4
	Asian/Pacific Islander[a]	5	0.1	7	0.1					12	0.1
	Black/African American[a]	1,611	26.1	1,288	25.1					2,899	25.7
	Hispanic/Latino	126	2.0	112	2.2					238	2.1
	White/Caucasian[a]	336	5.4	284	5.5					620	5.5
	Multiple Race	11	0.2	15	0.3					26	0.2
	Unknown	1,157	18.8	986	19.3					2,143	19.0
	Total	3,269	53.0	2,711	52.9					5,980	53.0
Female	American Indian/Alaska Native[a]	39	0.6	31	0.6					70	0.6
	Asian/Pacific Islander[a]	6	0.1	8	0.2					14	0.1
	Black/African American[a]	1,159	18.8	995	19.4					2,154	19.1
	Hispanic/Latino	95	1.5	68	1.3					163	1.4
	White/Caucasian[a]	566	9.2	420	8.2					986	8.7
	Multiple Race	12	0.2	22	0.4					34	0.3
	Unknown	1,020	16.5	867	16.9					1,887	16.7
	Total	2,897	47.0	2,411	47.1					5,308	47.0
Total	American Indian/Alaska Native[a]	62	1.0	50	1.0					112	1.0
	Asian/Pacific Islander[a]	11	0.2	15	0.3					26	0.2
	Black/African American[a]	2,770	44.9	2,283	44.6					5,053	44.8
	Hispanic/Latino	221	3.6	180	3.5					401	3.6
	White/Caucasian[a]	902	14.6	704	13.7					1,606	14.2
	Multiple Race	23	0.4	37	0.7					60	0.5
	Unknown	2,177	35.3	1,853	36.2					4,030	35.7
	Total	6,166	100.0	5,122	100.0					11,288	100.0

[a]Non-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 3, 2020).

Table 5. North Carolina Newly Diagnosed Early Syphilis (Primary, Secondary, and Early Latent) Infections by Gender and Age, 2020

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2020 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	Unknown	0	0.0	0	0.0					0	0.0
	0-9	0	0.0	0	0.0					0	0.0
	10-14	0	0.0	0	0.0					0	0.0
	15-19	14	2.3	11	2.2					25	2.3
	20-24	58	9.6	65	13.3					123	11.2
	25-29	105	17.3	88	18.0					193	17.6
	30-34	95	15.7	62	12.7					157	14.3
	35-39	69	11.4	42	8.6					111	10.1
	40-44	55	9.1	33	6.7					88	8.0
	45-54	65	10.7	52	10.6					117	10.7
	55-64	39	6.4	29	5.9					68	6.2
	65+	7	1.2	11	2.2					18	1.6
	Total	507	83.5	393	80.4					900	82.1
Female	Unknown	0	0.0	0	0.0					0	0.0
	0-9	0	0.0	0	0.0					0	0.0
	10-14	1	0.2	0	0.0					1	0.1
	15-19	8	1.3	8	1.6					16	1.5
	20-24	20	3.3	21	4.3					41	3.7
	25-29	20	3.3	16	3.3					36	3.3
	30-34	14	2.3	16	3.3					30	2.7
	35-39	15	2.5	12	2.5					27	2.5
	40-44	14	2.3	8	1.6					22	2.0
	45-54	5	0.8	7	1.4					12	1.1
	55-64	3	0.5	6	1.2					9	0.8
	65+	0	0.0	2	0.4					2	0.2
	Total	100	16.5	96	19.6					196	17.9
Total	Unknown	0	0.0	0	0.0					0	0.0
	0-9	0	0.0	0	0.0					0	0.0
	10-14	1	0.2	0	0.0					1	0.1
	15-19	22	3.6	19	3.9					41	3.7
	20-24	78	12.9	86	17.6					164	15.0
	25-29	125	20.6	104	21.3					229	20.9
	30-34	109	18.0	78	16.0					187	17.1
	35-39	84	13.8	54	11.0					138	12.6
	40-44	69	11.4	41	8.4					110	10.0
	45-54	70	11.5	59	12.1					129	11.8
	55-64	42	6.9	35	7.2					77	7.0
	65+	7	1.2	13	2.7					20	1.8
	Total	607	100.0	489	100.0					1,096	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 3, 2020).

Table 6. North Carolina Newly Diagnosed Early Syphilis (Primary, Secondary, and Early Latent) Infections by Gender and Race/Ethnicity, 2020

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2020 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native[a]	1	0.2	1	0.2					2	0.2
	Asian/Pacific Islander[a]	2	0.3	1	0.2					3	0.3
	Black/African American[a]	294	48.4	225	46.0					519	47.4
	Hispanic/Latino	39	6.4	33	6.7					72	6.6
	White/Caucasian[a]	135	22.2	100	20.4					235	21.4
	Multiple Race	11	1.8	12	2.5					23	2.1
	Unknown	25	4.1	21	4.3					46	4.2
	Total	507	83.5	393	80.4					900	82.1
Female	American Indian/Alaska Native[a]	0	0.0	0	0.0					0	0.0
	Asian/Pacific Islander[a]	1	0.2	0	0.0					1	0.1
	Black/African American[a]	62	10.2	45	9.2					107	9.8
	Hispanic/Latino	9	1.5	9	1.8					18	1.6
	White/Caucasian[a]	24	4.0	35	7.2					59	5.4
	Multiple Race	1	0.2	2	0.4					3	0.3
	Unknown	3	0.5	5	1.0					8	0.7
	Total	100	16.5	96	19.6					196	17.9
Total[c]	American Indian/Alaska Native[a]	1	0.2	1	0.2					2	0.2
	Asian/Pacific Islander[a]	3	0.5	1	0.2					4	0.4
	Black/African American[a]	356	58.6	270	55.2					626	57.1
	Hispanic/Latino	48	7.9	42	8.6					90	8.2
	White/Caucasian[a]	159	26.2	135	27.6					294	26.8
	Multiple Race	12	2.0	14	2.9					26	2.4
	Unknown	28	4.6	26	5.3					54	4.9
	Total	607	100.0	489	100.0					1,096	100.0

[a]Non-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 3, 2020).

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, 2018-2020

COUNTY	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2018 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun	2018 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun	2018 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun	2018 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun
ALAMANCE	466	565	430	127	139	134	7	5	16	8	15	10
ALEXANDER	37	43	44	8	24	25	0	0	1	0	0	0
ALLEGHANY	18	14	9	2	1	1	0	0	0	0	0	0
ANSON	95	111	91	39	36	41	0	1	0	0	2	0
ASHE	25	16	18	2	3	6	0	0	0	0	0	0
AVERY	12	21	15	4	2	2	1	0	0	0	0	0
BEAUFORT	141	144	171	34	62	65	0	2	1	1	0	0
BERTIE	87	64	58	26	28	20	0	0	3	1	3	1
BLADEN	72	82	91	37	58	46	2	2	2	1	0	1
BRUNSWICK	226	228	187	76	88	48	2	2	1	3	7	2
BUNCOMBE	550	578	561	224	193	285	6	20	11	7	5	9
BURKE	178	192	139	87	86	60	1	0	5	1	0	0
CABARRUS	524	609	573	150	149	166	8	9	5	2	7	7
CALDWELL	135	156	146	68	105	82	1	0	1	2	0	3
CAMDEN	14	11	10	2	4	2	0	0	0	0	0	0
CARTERET	127	118	91	17	20	23	2	1	2	0	2	0
CASWELL	48	44	36	10	11	11	1	2	0	0	0	0
CATAWBA	306	345	325	122	163	102	10	4	11	4	0	4
CHATHAM	101	96	85	26	20	23	1	0	1	0	0	0
CHEROKEE	26	18	21	4	12	8	0	0	0	0	0	0
CHOWAN	40	36	26	25	31	8	0	2	0	0	2	0
CLAY	8	7	7	1	2	6	0	0	1	0	0	0
CLEVELAND	331	316	328	173	162	143	2	1	2	4	2	4
COLUMBUS	142	166	127	65	84	33	1	2	1	0	3	1
CRAVEN	394	380	323	108	94	91	3	3	1	6	2	2
CUMBERLAND	2,032	2,219	1,987	711	796	731	25	21	28	30	30	35
CURRITUCK	40	24	18	11	7	6	0	0	0	1	0	0
DARE	61	47	32	12	5	13	0	1	0	0	0	1
DAVIDSON	325	322	324	116	196	187	2	4	7	3	6	3
DAVIE	58	83	41	23	22	13	1	0	0	1	2	0
DUPLIN	155	182	147	44	52	43	2	0	2	3	0	3
DURHAM	1,454	1,434	903	565	561	422	50	49	52	30	41	36
EDGECOMBE	252	283	319	117	127	196	1	1	2	0	2	3
FORSYTH	1,411	1,595	1,230	560	728	532	29	22	19	29	22	11
FRANKLIN	158	180	134	63	79	68	1	0	2	1	2	2
GASTON	774	769	695	308	296	316	10	14	16	7	6	12
GATES	20	18	32	4	6	6	0	2	1	0	0	0
GRAHAM	8	9	14	3	1	0	0	0	0	0	0	0
GRANVILLE	219	208	156	66	79	72	4	6	2	1	5	1
GREENE	78	88	90	27	30	34	0	1	1	0	1	0
GUILFORD	2,645	2,730	1,978	975	1,072	853	49	37	42	35	47	38
HALIFAX	231	237	124	86	116	68	0	2	7	3	1	5
HARNETT	372	404	326	116	137	136	1	3	1	4	4	2
HAYWOOD	76	81	71	22	35	38	0	1	3	0	0	0
HENDERSON	152	191	155	51	65	82	2	1	2	1	0	1
HERTFORD	98	109	81	30	40	26	1	1	0	1	2	1
HOKE	201	213	102	69	83	47	1	3	0	3	6	1
HYDE	14	3	4	1	1	2	0	0	0	0	0	0
IREDELL	365	383	289	104	116	160	5	4	3	5	3	7
JACKSON	93	121	84	34	26	23	0	2	0	1	0	0
JOHNSTON	455	476	407	143	141	159	8	4	9	2	9	5
JONES	27	27	22	9	12	6	0	0	0	1	0	0

Continued

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 3, 2020).

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, 2018-2020

COUNTY	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2018 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun	2018 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun	2018 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun	2018 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun
LEE	156	167	153	36	35	51	1	1	4	1	0	3
LENOIR	243	283	261	111	105	126	0	3	2	3	2	3
LINCOLN	155	147	158	42	32	54	4	2	2	2	0	2
MACON	52	38	29	18	8	15	2	0	0	1	1	0
MADISON	40	42	21	9	6	9	1	1	0	0	0	0
MARTIN	82	96	78	33	26	30	1	2	1	0	3	4
MCDOWELL	51	77	70	29	37	38	2	0	3	2	0	1
MECKLENBURG	4,538	4,856	4,303	1,461	1,601	1,826	130	113	129	97	114	119
MITCHELL	15	26	16	2	3	4	0	0	0	0	0	0
MONTGOMERY	82	57	51	12	17	21	0	0	0	1	0	1
MOORE	198	201	143	45	60	36	1	0	3	0	2	3
NASH	318	366	318	132	180	244	5	7	7	4	3	6
NEW HANOVER	597	680	444	197	238	120	13	11	6	10	10	8
NORTHAMPTON	80	87	22	29	36	10	0	1	0	0	0	0
ONSLOW	1,166	1,167	1,010	250	232	214	12	8	7	3	8	10
ORANGE	345	362	284	86	79	75	7	7	7	2	6	5
PAMLICO	19	20	15	1	3	11	0	0	1	0	0	0
PASQUOTANK	133	142	161	54	87	50	2	0	0	0	2	2
PENDER	99	105	81	26	18	24	1	1	1	2	0	1
PERQUIMANS	33	29	29	15	24	13	0	0	0	0	0	0
PERSON	98	108	105	32	26	26	1	1	2	0	1	2
PITT	914	1,155	882	293	356	341	8	11	6	15	9	6
POLK	22	15	19	5	8	2	1	0	3	0	0	0
RANDOLPH	233	278	284	97	76	87	2	0	1	2	0	4
RICHMOND	194	231	168	80	132	58	1	3	1	1	0	0
ROBESON	559	605	590	211	363	309	7	9	4	9	3	3
ROCKINGHAM	210	229	165	70	105	88	2	1	5	0	1	1
ROWAN	499	458	380	136	194	164	5	4	6	5	11	3
RUTHERFORD	128	139	118	110	82	53	0	3	0	0	0	1
SAMPSON	164	232	147	57	70	49	2	3	1	0	1	3
SCOTLAND	159	169	140	58	86	47	2	3	1	3	1	4
STANLY	135	131	106	26	45	44	0	0	0	0	0	2
STOKES	59	44	47	25	18	18	0	0	0	0	0	0
SURRY	105	93	83	17	28	35	0	0	2	2	0	0
SWAIN	60	56	31	31	21	12	0	0	0	0	0	0
TRANSYLVANIA	45	46	39	6	26	11	0	1	1	0	0	0
TYRRELL	8	8	5	1	2	2	0	0	0	0	0	0
UNION	474	546	422	146	137	117	5	9	8	1	3	9
VANCE	273	228	209	133	148	95	7	5	10	1	3	3
WAKE	3,216	3,311	2,000	1,072	1,085	686	66	77	90	46	71	63
WARREN	62	65	47	14	34	24	2	2	1	1	1	0
WASHINGTON	41	41	32	9	12	9	0	0	0	0	0	1
WATAUGA	132	146	78	16	12	11	1	0	0	0	2	0
WAYNE	415	507	322	136	183	106	1	7	13	4	2	8
WILKES	95	86	93	28	29	18	1	0	0	0	0	0
WILSON	310	428	368	100	158	226	6	8	7	2	5	4
YADKIN	38	44	51	7	12	8	1	1	1	0	0	0
YANCEY	18	9	10	3	5	1	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	32,945	35,152	28,265	11,214	12,686	11,288	543	540	600	422	504	496

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 3, 2020).

Table 8. North Carolina Newly Diagnosed HIV Infections by County of Residence at Time of Diagnosis, 2018-2020

COUNTY	2018 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun
ALAMANCE	4	11	6
ALEXANDER	0	0	1
ALLEGHANY	0	0	0
ANSON	1	1	0
ASHE	0	0	0
AVERY	0	0	1
BEAUFORT	2	2	4
BERTIE	1	1	2
BLADEN	4	2	1
BRUNSWICK	4	3	2
BUNCOMBE	6	10	5
BURKE	0	2	3
CABARRUS	9	13	9
CALDWELL	2	4	0
CAMDEN	0	0	0
CARTERET	0	0	3
CASWELL	0	4	1
CATAWBA	9	7	3
CHATHAM	3	0	0
CHEROKEE	0	3	1
CHOWAN	0	0	0
CLAY	0	0	0
CLEVELAND	6	5	5
COLUMBUS	0	5	2
CRAVEN	6	2	2
CUMBERLAND	27	32	34
CURRITUCK	0	1	1
DARE	0	0	0
DAVIDSON	10	8	7
DAVIE	0	0	0
DUPLIN	1	2	0
DURHAM	31	31	25
EDGECOMBE	6	4	3
FORSYTH	31	43	19
FRANKLIN	1	1	2
GASTON	16	16	17
GATES	0	0	1
GRAHAM	0	0	0
GRANVILLE	6	4	1
GREENE	0	0	1
GUILFORD	55	67	46
HALIFAX	4	2	6
HARNETT	6	13	6
HAYWOOD	2	0	2
HENDERSON	3	2	2
HERTFORD	2	0	1
HOKE	3	2	4
HYDE	0	0	0
IREDELL	7	10	8
JACKSON	0	1	0
JOHNSTON	10	7	6
JONES	1	0	0
LEE	3	5	1
LENOIR	5	2	3
LINCOLN	2	1	2
MACON	0	1	4
MADISON	1	0	0
MARTIN	0	1	2
MCDOWELL	0	1	0
MECKLENBURG	115	126	92
MITCHELL	0	0	0
MONTGOMERY	0	0	3
MOORE	4	1	3
NASH	7	8	5
NEW HANOVER	15	18	11
NORTHAMPTON	0	2	0
ONSLOW	7	9	14
ORANGE	9	7	5
PAMLICO	0	1	0
PASQUOTANK	6	5	4
PENDER	2	0	3
PERQUIMANS	0	0	0
PERSON	3	1	0
PITT	17	25	5
POLK	0	0	2
RANDOLPH	1	8	4
RICHMOND	6	3	2
ROBESON	9	15	11
ROCKINGHAM	3	4	2
ROWAN	9	8	4
RUTHERFORD	1	0	1
SAMPSON	2	3	3
SCOTLAND	3	7	6
STANLY	1	1	1
STOKES	0	2	1
SURRY	1	5	4
SWAIN	0	0	0
TRANSYLVANIA	1	0	0
TYRRELL	0	0	0
UNION	7	6	5
VANCE	3	5	3
WAKE	49	62	65
WARREN	2	0	3
WASHINGTON	2	1	3
WATAUGA	1	1	0
WAYNE	5	10	3
WILKES	1	0	2
WILSON	5	9	8
YADKIN	0	1	2
YANCEY	0	0	0
UNASSIGNED*	4	6	9
TOTAL	591	692	544

* 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 August 3, 2020).

Table 9. North Carolina Newly Diagnosed AIDS (HIV Infection Stage 3) Cases by County of Residence at Time of Diagnosis, 2018-2020

COUNTY	2018 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun
ALAMANCE	3	4	2
ALEXANDER	0	0	1
ALLEGHANY	0	0	0
ANSON	2	1	0
ASHE	0	0	0
AVERY	0	0	0
BEAUFORT	0	1	1
BERTIE	3	3	1
BLADEN	2	0	1
BRUNSWICK	1	0	0
BUNCOMBE	5	4	3
BURKE	1	1	1
CABARRUS	1	2	1
CALDWELL	1	3	1
CAMDEN	0	0	0
CARTERET	1	0	1
CASWELL	1	1	0
CATAWBA	3	2	3
CHATHAM	0	1	0
CHEROKEE	0	0	0
CHOWAN	0	0	0
CLAY	0	0	0
CLEVELAND	2	2	2
COLUMBUS	0	1	1
CRAVEN	1	2	3
CUMBERLAND	17	17	29
CURRITUCK	0	1	1
DARE	0	0	0
DAVIDSON	10	3	4
DAVIE	0	1	0
DUPLIN	1	1	2
DURHAM	14	7	11
EDGECOMBE	2	6	4
FORSYTH	25	25	13
FRANKLIN	0	2	1
GASTON	5	5	4
GATES	1	0	0
GRAHAM	0	0	0
GRANVILLE	3	1	1
GREENE	0	1	0
GUILFORD	10	18	14
HALIFAX	0	0	1
HARNETT	3	1	3
HAYWOOD	0	0	2
HENDERSON	0	2	0
HERTFORD	1	1	3
HOKE	1	4	1
HYDE	0	0	0
IREDELL	1	11	2
JACKSON	0	2	0
JOHNSTON	8	3	5
JONES	1	0	0
LEE	0	1	0
LENOIR	2	3	3
LINCOLN	1	2	0
MACON	0	0	2
MADISON	1	0	0
MARTIN	2	1	1
MCDOWELL	0	0	0
MECKLENBURG	27	35	45
MITCHELL	0	0	1
MONTGOMERY	0	0	0
MOORE	1	5	0
NASH	6	3	3
NEW HANOVER	2	3	2
NORTHAMPTON	1	0	0
ONSLOW	1	4	4
ORANGE	1	2	0
PAMLICO	0	0	0
PASQUOTANK	3	2	1
PENDER	0	0	2
PERQUIMANS	1	1	0
PERSON	3	0	1
PITT	8	12	6
POLK	1	0	0
RANDOLPH	3	0	0
RICHMOND	3	1	3
ROBESON	9	8	8
ROCKINGHAM	4	0	1
ROWAN	2	4	1
RUTHERFORD	3	0	1
SAMPSON	3	0	3
SCOTLAND	5	2	1
STANLY	1	0	1
STOKES	0	1	0
SURRY	1	0	2
SWAIN	0	0	0
TRANSYLVANIA	0	1	0
TYRRELL	0	0	0
UNION	0	2	3
VANCE	2	2	2
WAKE	34	21	25
WARREN	0	1	1
WASHINGTON	1	1	3
WATAUGA	0	1	0
WAYNE	7	4	2
WILKES	0	0	0
WILSON	4	4	3
YADKIN	0	0	1
YANCEY	0	0	0
UNASSIGNED*	3	7	5
TOTAL	276	274	260

* 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 August 3, 2020).