North Carolina HIV/STD Quarterly Surveillance Report: Vol. 2021, 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.

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. 2021, No. 4* presents statistics and trends of sexually transmitted diseases (including HIV and AIDS) in North Carolina from January 1 through December 31, 2021. 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/).

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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 2021. 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, 2021

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2021 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	Unknown	0	0.0	0	0.0	0	0.0	1	0.0	1	0.0
	0-9	4	0.0	2	0.0	2	0.0	1	0.0	9	0.0
	10-14	13	0.1	11	0.1	15	0.1	8	0.1	47	0.1
	15-19	956	5.8	949	5.9	871	5.7	836	6.3	3,612	5.9
	20-24	1,943	11.8	1,936	11.9	1,842	12.0	1,686	12.7	7,407	12.1
	25-29	1,118	6.8	1,130	7.0	1,076	7.0	907	6.8	4,231	6.9
	30-34	630	3.8	630	3.9	649	4.2	512	3.8	2,421	4.0
	35-39	268	1.6	273	1.7	317	2.1	234	1.8	1,092	1.8
	40-44	175	1.1	186	1.1	184	1.2	114	0.9	659	1.1
	45-54	143	0.9	148	0.9	154	1.0	131	1.0	576	0.9
	55-64	52	0.3	51	0.3	52	0.3	52	0.4	207	0.3
	65+	17	0.1	12	0.1	14	0.1	13	0.1	56	0.1
	Total	5,319	32.4	5,328	32.9	5,176	33.8	4,495	33.8	20,318	33.2
Female	Unknown	1	0.0	1	0.0	0	0.0	3	0.0	5	0.0
	0-9	1	0.0	3	0.0	2	0.0	0	0.0	6	0.0
	10-14	97	0.6	89	0.5	85	0.6	76	0.6	347	0.6
	15-19	3,249	19.8	3,132	19.3	2,957	19.3	2,535	19.1	11,873	19.4
	20-24	4,254	25.9	4,264	26.3	3,903	25.5	3,386	25.5	15,807	25.8
	25-29	1,977	12.0	1,885	11.6	1,747	11.4	1,534	11.5	7,143	11.7
	30-34	902	5.5	823	5.1	773	5.1	706	5.3	3,204	5.2
	35-39	337	2.1	363	2.2	343	2.2	310	2.3	1,353	2.2
	40-44	155	0.9	167	1.0	160	1.0	120	0.9	602	1.0
	45-54	108	0.7	119	0.7	121	0.8	106	0.8	454	0.7
	55-64	24	0.1	32	0.2	28	0.2	29	0.2	113	0.2
	65+	3	0.0	8	0.0	4	0.0	3	0.0	18	0.0
	Total	11,108	67.6	10,886	67.1	10,123	66.2	8,808	66.2	40,925	66.8
Total	Unknown	1	0.0	1	0.0	0	0.0	4	0.0	6	0.0
	0-9	5	0.0	5	0.0	4	0.0	1	0.0	15	0.0
	10-14	110	0.7	100	0.6	100	0.7	84	0.6	394	0.6
	15-19	4,205	25.6	4,081	25.2	3,828	25.0	3,371	25.3	15,485	25.3
	20-24	6,197	37.7	6,200	38.2	5,745	37.6	5,072	38.1	23,214	37.9
	25-29	3,095	18.8	3,015	18.6	2,823	18.5	2,441	18.3	11,374	18.6
	30-34	1,532	9.3	1,453	9.0	1,422	9.3	1,218	9.2	5,625	9.2
	35-39	605	3.7	636	3.9	660	4.3	544	4.1	2,445	4.0
	40-44	330	2.0	353	2.2	344	2.2	234	1.8	1,261	2.1
	45-54	251	1.5	267	1.6	275	1.8	237	1.8	1,030	1.7
	55-64	76	0.5	83	0.5	80	0.5	81	0.6	320	0.5
	65+	20	0.1	20	0.1	18	0.1	16	0.1	74	0.1
	Total	16,427	100.0	16,214	100.0	15,299	100.0	13,303	100.0	61,243	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 7, 2022).

Table 2. North Carolina Newly Diagnosed Chlamydia Infections by Gender and Race/Ethnicity, 2021

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2021 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native[a]	40	0.2	33	0.2	36	0.2	33	0.2	142	0.2
	Asian/Pacific Islander[a]	25	0.2	21	0.1	28	0.2	17	0.1	91	0.1
	Black/African American[a]	1,614	9.8	1,749	10.8	1,675	10.9	1,423	10.7	6,461	10.5
	Hispanic/Latino	400	2.4	381	2.3	412	2.7	384	2.9	1,577	2.6
	White/Caucasian[a]	570	3.5	572	3.5	622	4.1	519	3.9	2,283	3.7
	Multiple Race	17	0.1	23	0.1	18	0.1	22	0.2	80	0.1
	Unknown	2,653	16.2	2,549	15.7	2,385	15.6	2,097	15.8	9,684	15.8
	Total	5,319	32.4	5,328	32.9	5,176	33.8	4,495	33.8	20,318	33.2
Female	American Indian/Alaska Native[a]	139	0.8	114	0.7	112	0.7	114	0.9	479	0.8
	Asian/Pacific Islander[a]	51	0.3	61	0.4	54	0.4	46	0.3	212	0.3
	Black/African American[a]	2,922	17.8	3,159	19.5	3,004	19.6	2,544	19.1	11,629	19.0
	Hispanic/Latino	1,042	6.3	1,110	6.8	1,048	6.9	993	7.5	4,193	6.8
	White/Caucasian[a]	1,777	10.8	1,640	10.1	1,605	10.5	1,384	10.4	6,406	10.5
	Multiple Race	34	0.2	42	0.3	44	0.3	40	0.3	160	0.3
	Unknown	5,143	31.3	4,760	29.4	4,256	27.8	3,687	27.7	17,846	29.1
	Total	11,108	67.6	10,886	67.1	10,123	66.2	8,808	66.2	40,925	66.8
Total	American Indian/Alaska Native[a]	179	1.1	147	0.9	148	1.0	147	1.1	621	1.0
	Asian/Pacific Islander[a]	76	0.5	82	0.5	82	0.5	63	0.5	303	0.5
	Black/African American[a]	4,536	27.6	4,908	30.3	4,679	30.6	3,967	29.8	18,090	29.5
	Hispanic/Latino	1,442	8.8	1,491	9.2	1,460	9.5	1,377	10.4	5,770	9.4
	White/Caucasian[a]	2,347	14.3	2,212	13.6	2,227	14.6	1,903	14.3	8,689	14.2
	Multiple Race	51	0.3	65	0.4	62	0.4	62	0.5	240	0.4
	Unknown	7,796	47.5	7,309	45.1	6,641	43.4	5,784	43.5	27,530	45.0
	Total	16,427	100.0	16,214	100.0	15,299	100.0	13,303	100.0	61,243	100.0

[a]Non-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 7, 2022).

Table 3. North Carolina Newly Diagnosed Gonorrhea Infections by Gender and Age, 2021

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2021 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	1	0.0	0	0.0	1	0.0	0	0.0	2	0.0
	10-14	8	0.1	7	0.1	5	0.1	2	0.1	22	0.1
	15-19	429	6.0	404	5.6	427	6.0	246	6.8	1,506	6.0
	20-24	1,032	14.3	1,075	14.9	1,027	14.5	510	14.2	3,644	14.5
	25-29	846	11.8	795	11.0	857	12.1	422	11.7	2,920	11.6
	30-34	599	8.3	625	8.6	654	9.2	302	8.4	2,180	8.7
	35-39	303	4.2	335	4.6	337	4.7	162	4.5	1,137	4.5
	40-44	195	2.7	210	2.9	191	2.7	117	3.2	713	2.8
	45-54	222	3.1	229	3.2	218	3.1	111	3.1	780	3.1
	55-64	120	1.7	93	1.3	101	1.4	62	1.7	376	1.5
	65+	25	0.3	28	0.4	28	0.4	14	0.4	95	0.4
	Total	3,780	52.5	3,801	52.6	3,846	54.1	1,948	54.1	13,375	53.2
Female	Unknown	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
	0-9	1	0.0	1	0.0	1	0.0	3	0.1	6	0.0
	10-14	22	0.3	27	0.4	27	0.4	16	0.4	92	0.4
	15-19	742	10.3	729	10.1	702	9.9	381	10.6	2,554	10.2
	20-24	1,137	15.8	1,107	15.3	1,115	15.7	539	15.0	3,898	15.5
	25-29	729	10.1	709	9.8	668	9.4	328	9.1	2,434	9.7
	30-34	411	5.7	416	5.8	355	5.0	209	5.8	1,391	5.5
	35-39	207	2.9	223	3.1	189	2.7	90	2.5	709	2.8
	40-44	83	1.2	92	1.3	103	1.4	51	1.4	329	1.3
	45-54	60	0.8	94	1.3	77	1.1	32	0.9	263	1.0
	55-64	19	0.3	21	0.3	20	0.3	6	0.2	66	0.3
	65+	4	0.1	6	0.1	1	0.0	1	0.0	12	0.0
	Total	3,416	47.5	3,425	47.4	3,258	45.9	1,656	45.9	11,755	46.8
Total	Unknown	1	0.0	0	0.0	0	0.0	0	0.0	1	0.0
	0-9	2	0.0	1	0.0	2	0.0	3	0.1	8	0.0
	10-14	30	0.4	34	0.5	32	0.5	18	0.5	114	0.5
	15-19	1,171	16.3	1,133	15.7	1,129	15.9	627	17.4	4,060	16.2
	20-24	2,169	30.1	2,182	30.2	2,142	30.2	1,049	29.1	7,542	30.0
	25-29	1,575	21.9	1,504	20.8	1,525	21.5	750	20.8	5,354	21.3
	30-34	1,010	14.0	1,041	14.4	1,009	14.2	511	14.2	3,571	14.2
	35-39	510	7.1	558	7.7	526	7.4	252	7.0	1,846	7.3
	40-44	278	3.9	302	4.2	294	4.1	168	4.7	1,042	4.1
	45-54	282	3.9	323	4.5	295	4.2	143	4.0	1,043	4.2
	55-64	139	1.9	114	1.6	121	1.7	68	1.9	442	1.8
	65+	29	0.4	34	0.5	29	0.4	15	0.4	107	0.4
	Total	7,196	100.0	7,226	100.0	7,104	100.0	3,604	100.0	25,130	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 7, 2022).

Table 4. North Carolina Newly Diagnosed Gonorrhea Infections by Gender and Race/Ethnicity, 2021

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2021 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native[a]	40	0.6	26	0.4	33	0.5	15	0.4	114	0.5
	Asian/Pacific Islander[a]	14	0.2	16	0.2	13	0.2	6	0.2	49	0.2
	Black/African American[a]	1,718	23.9	1,785	24.7	1,801	25.4	842	23.4	6,146	24.5
	Hispanic/Latino	226	3.1	215	3.0	271	3.8	137	3.8	849	3.4
	White/Caucasian[a]	358	5.0	373	5.2	394	5.5	215	6.0	1,340	5.3
	Multiple Race	18	0.3	13	0.2	19	0.3	17	0.5	67	0.3
	Unknown	1,406	19.5	1,373	19.0	1,315	18.5	716	19.9	4,810	19.1
	Total	3,780	52.5	3,801	52.6	3,846	54.1	1,948	54.1	13,375	53.2
Female	American Indian/Alaska Native[a]	40	0.6	52	0.7	44	0.6	21	0.6	157	0.6
	Asian/Pacific Islander[a]	8	0.1	7	0.1	8	0.1	7	0.2	30	0.1
	Black/African American[a]	1,315	18.3	1,394	19.3	1,274	17.9	650	18.0	4,633	18.4
	Hispanic/Latino	169	2.3	184	2.5	181	2.5	92	2.6	626	2.5
	White/Caucasian[a]	490	6.8	507	7.0	541	7.6	241	6.7	1,779	7.1
	Multiple Race	15	0.2	23	0.3	20	0.3	13	0.4	71	0.3
	Unknown	1,379	19.2	1,258	17.4	1,190	16.8	632	17.5	4,459	17.7
	Total	3,416	47.5	3,425	47.4	3,258	45.9	1,656	45.9	11,755	46.8
Total	American Indian/Alaska Native[a]	80	1.1	78	1.1	77	1.1	36	1.0	271	1.1
	Asian/Pacific Islander[a]	22	0.3	23	0.3	21	0.3	13	0.4	79	0.3
	Black/African American[a]	3,033	42.1	3,179	44.0	3,075	43.3	1,492	41.4	10,779	42.9
	Hispanic/Latino	395	5.5	399	5.5	452	6.4	229	6.4	1,475	5.9
	White/Caucasian[a]	848	11.8	880	12.2	935	13.2	456	12.7	3,119	12.4
	Multiple Race	33	0.5	36	0.5	39	0.5	30	0.8	138	0.5
	Unknown	2,785	38.7	2,631	36.4	2,505	35.3	1,348	37.4	9,269	36.9
	Total	7,196	100.0	7,226	100.0	7,104	100.0	3,604	100.0	25,130	100.0

[a]Non-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 7, 2022).

Table 5. North Carolina Newly Diagnosed Early Syphilis (Primary, Secondary, and Early Latent) Infections by Gender and Age, 2021

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2021 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	13	1.9	21	2.9	19	2.4	31	3.7	84	2.8
	20-24	102	14.8	86	12.0	90	11.2	101	12.0	379	12.4
	25-29	120	17.4	131	18.3	120	15.0	129	15.4	500	16.4
	30-34	104	15.1	120	16.8	109	13.6	138	16.4	471	15.5
	35-39	81	11.7	67	9.4	84	10.5	83	9.9	315	10.3
	40-44	45	6.5	40	5.6	72	9.0	67	8.0	224	7.4
	45-54	73	10.6	73	10.2	77	9.6	71	8.5	294	9.7
	55-64	49	7.1	38	5.3	59	7.4	44	5.2	190	6.2
	65+	7	1.0	3	0.4	10	1.2	11	1.3	31	1.0
	Total	594	86.1	579	81.1	640	79.8	675	80.4	2,488	81.7
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	1	0.1	0	0.0	1	0.0
	10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-19	6	0.9	4	0.6	17	2.1	9	1.1	36	1.2
	20-24	14	2.0	18	2.5	17	2.1	38	4.5	87	2.9
	25-29	20	2.9	30	4.2	28	3.5	33	3.9	111	3.6
	30-34	18	2.6	29	4.1	28	3.5	30	3.6	105	3.4
	35-39	12	1.7	21	2.9	23	2.9	22	2.6	78	2.6
	40-44	5	0.7	15	2.1	16	2.0	10	1.2	46	1.5
	45-54	12	1.7	14	2.0	25	3.1	18	2.1	69	2.3
	55-64	6	0.9	4	0.6	6	0.7	4	0.5	20	0.7
	65+	3	0.4	0	0.0	1	0.1	1	0.1	5	0.2
	Total	96	13.9	135	18.9	162	20.2	165	19.6	558	18.3
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	1	0.1	0	0.0	1	0.0
	10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-19	19	2.8	25	3.5	36	4.5	40	4.8	120	3.9
	20-24	116	16.8	104	14.6	107	13.3	139	16.5	466	15.3
	25-29	140	20.3	161	22.5	148	18.5	162	19.3	611	20.1
	30-34	122	17.7	149	20.9	137	17.1	168	20.0	576	18.9
	35-39	93	13.5	88	12.3	107	13.3	105	12.5	393	12.9
	40-44	50	7.2	55	7.7	88	11.0	77	9.2	270	8.9
	45-54	85	12.3	87	12.2	102	12.7	89	10.6	363	11.9
	55-64	55	8.0	42	5.9	65	8.1	48	5.7	210	6.9
	65+	10	1.4	3	0.4	11	1.4	12	1.4	36	1.2
	Total	690	100.0	714	100.0	802	100.0	840	100.0	3,046	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 7, 2022).

Table 6. North Carolina Newly Diagnosed Early Syphilis (Primary, Secondary, and Early Latent) Infections by Gender and Race/Ethnicity, 2021

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2021 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native[a]	5	0.7	4	0.6	6	0.7	6	0.7	21	0.7
	Asian/Pacific Islander[a]	2	0.3	3	0.4	3	0.4	2	0.2	10	0.3
	Black/African American[a]	351	50.9	362	50.7	353	44.0	392	46.7	1,458	47.9
	Hispanic/Latino	58	8.4	73	10.2	71	8.9	82	9.8	284	9.3
	White/Caucasian[a]	147	21.3	111	15.5	160	20.0	163	19.4	581	19.1
	Multiple Race	18	2.6	9	1.3	29	3.6	13	1.5	69	2.3
	Unknown	13	1.9	17	2.4	18	2.2	17	2.0	65	2.1
	Total	594	86.1	579	81.1	640	79.8	675	80.4	2,488	81.7
Female	American Indian/Alaska Native[a]	1	0.1	5	0.7	2	0.2	3	0.4	11	0.4
	Asian/Pacific Islander[a]	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Black/African American[a]	48	7.0	53	7.4	86	10.7	80	9.5	267	8.8
	Hispanic/Latino	7	1.0	9	1.3	12	1.5	12	1.4	40	1.3
	White/Caucasian[a]	25	3.6	55	7.7	51	6.4	60	7.1	191	6.3
	Multiple Race	9	1.3	7	1.0	6	0.7	5	0.6	27	0.9
	Unknown	6	0.9	6	0.8	5	0.6	5	0.6	22	0.7
	Total	96	13.9	135	18.9	162	20.2	165	19.6	558	18.3
Total[c]	American Indian/Alaska Native[a]	6	0.9	9	1.3	8	1.0	9	1.1	32	1.1
	Asian/Pacific Islander[a]	2	0.3	3	0.4	3	0.4	2	0.2	10	0.3
	Black/African American[a]	399	57.8	415	58.1	439	54.7	472	56.2	1,725	56.6
	Hispanic/Latino	65	9.4	82	11.5	83	10.3	94	11.2	324	10.6
	White/Caucasian[a]	172	24.9	166	23.2	211	26.3	223	26.5	772	25.3
	Multiple Race	27	3.9	16	2.2	35	4.4	18	2.1	96	3.2
	Unknown	19	2.8	23	3.2	23	2.9	22	2.6	87	2.9
	Total	690	100.0	714	100.0	802	100.0	840	100.0	3,046	100.0

[a]Non-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 7, 2022).

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, 2019-2021

COUNTY	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2019 Jan-Dec	2020 Jan-Dec	2021 Jan-Dec	2019 Jan-Dec	2020 Jan-Dec	2021 Jan-Dec	2019 Jan-Dec	2020 Jan-Dec	2021 Jan-Dec	2019 Jan-Dec	2020 Jan-Dec	2021 Jan-Dec
ALAMANCE	1,058	927	951	258	368	441	16	27	40	23	21	15
ALEXANDER	81	111	61	43	48	23	0	1	4	0	1	1
ALLEGHANY	23	19	12	3	5	7	0	0	0	0	0	0
ANSON	248	204	212	73	104	89	2	0	4	2	0	4
ASHE	30	58	43	6	19	25	0	0	1	1	0	0
AVERY	34	26	22	5	7	2	0	2	1	0	1	0
BEAUFORT	307	307	281	144	156	126	3	2	5	2	0	2
BERTIE	128	129	123	63	60	76	0	3	2	5	2	2
BLADEN	174	189	150	112	113	77	2	2	4	1	1	0
BRUNSWICK	472	388	399	165	120	130	6	2	8	7	5	2
BUNCOMBE	1,251	1,120	1,036	473	582	442	28	30	41	12	17	17
BURKE	360	309	272	177	135	91	3	9	17	2	2	7
CABARRUS	1,225	1,193	1,292	326	399	406	16	16	22	11	15	17
CALDWELL	332	326	261	214	146	91	3	3	15	0	4	3
CAMDEN	23	19	17	7	8	6	0	0	1	0	0	1
CARTERET	248	207	152	43	53	38	2	3	1	2	1	3
CASWELL	90	98	92	18	44	55	3	1	4	1	3	4
CATAWBA	689	705	622	301	226	214	13	21	9	5	11	12
CHATHAM	226	178	205	40	45	59	1	2	6	0	4	3
CHEROKEE	48	36	45	31	18	11	1	0	0	0	0	0
CHOWAN	91	93	91	70	32	46	3	0	1	3	0	0
CLAY	27	15	12	11	11	6	0	1	1	1	0	0
CLEVELAND	644	657	733	312	333	285	7	3	20	4	5	9
COLUMBUS	320	306	329	141	124	146	5	1	7	7	2	8
CRAVEN	790	625	521	182	204	189	7	3	4	8	3	6
CUMBERLAND	4,498	4,216	4,196	1,766	1,736	1,725	56	51	92	56	68	62
CURRITUCK	50	64	32	17	11	12	1	1	0	0	0	3
DARE	75	68	65	19	25	15	2	0	1	0	1	0
DAVIDSON	664	714	749	417	420	422	8	14	29	10	5	9
DAVIE	147	128	74	44	42	19	0	1	1	5	0	1
DUPLIN	319	343	334	102	103	101	2	4	5	1	3	3
DURHAM	2,994	2,424	2,347	1,139	1,242	932	100	110	126	70	65	64
EDGECOMBE	638	599	588	311	412	306	3	4	9	2	7	8
FORSYTH	3,230	2,983	1,975	1,570	1,540	1,068	60	38	79	40	25	28
FRANKLIN	341	301	287	164	152	103	6	4	8	4	4	8
GASTON	1,676	1,554	1,516	611	720	683	25	29	36	15	24	33
GATES	52	68	27	14	21	5	2	1	0	0	1	0
GRAHAM	18	27	9	3	0	3	0	0	0	0	0	0
GRANVILLE	420	300	341	170	147	162	9	7	7	5	6	4
GREENE	178	182	97	58	70	40	1	2	4	3	0	4
GUILFORD	5,371	4,581	4,234	2,296	2,215	2,074	81	99	169	101	76	107
HALIFAX	466	479	458	219	289	256	3	11	10	6	9	6
HARNETT	783	729	776	286	282	255	7	2	21	6	4	17
HAYWOOD	179	150	126	75	81	37	4	4	6	1	1	0
HENDERSON	326	331	278	143	158	94	1	4	14	0	4	4
HERTFORD	176	236	133	66	88	60	1	0	2	3	3	1
HOKE	421	351	444	182	154	166	3	4	8	7	3	6
HYDE	8	14	11	4	5	3	0	0	0	1	0	1
IREDELL	774	715	734	255	356	277	9	7	14	9	12	6
JACKSON	277	194	219	50	56	43	2	1	0	1	0	0
JOHNSTON	981	888	926	330	333	301	12	16	24	12	8	15
JONES	47	41	52	19	10	28	0	0	0	0	0	0

Continued

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 7, 2022).

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, 2019-2021

COUNTY	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2019 Jan-Dec	2020 Jan-Dec	2021 Jan-Dec	2019 Jan-Dec	2020 Jan-Dec	2021 Jan-Dec	2019 Jan-Dec	2020 Jan-Dec	2021 Jan-Dec	2019 Jan-Dec	2020 Jan-Dec	2021 Jan-Dec
LEE	342	319	313	86	115	125	4	9	6	1	7	3
LENOIR	581	552	517	222	273	242	4	6	9	5	6	4
LINCOLN	299	358	291	99	114	89	2	3	6	2	4	1
MACON	78	76	81	26	33	26	0	1	1	2	0	1
MADISON	71	53	46	18	23	12	1	1	2	0	2	0
MARTIN	191	181	156	53	83	56	4	4	2	4	6	0
MCDOWELL	167	155	108	82	83	45	0	8	8	1	4	5
MECKLENBURG	10,046	9,442	9,695	3,431	4,335	4,185	245	276	375	212	291	342
MITCHELL	38	37	16	5	8	9	0	0	1	0	0	0
MONTGOMERY	127	121	130	41	51	75	0	1	2	0	1	5
MOORE	427	333	395	138	108	132	2	4	9	2	4	4
NASH	773	702	708	434	476	416	13	12	10	11	12	18
NEW HANOVER	1,301	959	1,168	435	283	317	24	18	24	20	16	22
NORTHAMPTON	178	147	89	74	89	39	2	0	2	0	0	2
ONSLOW	2,390	2,131	1,830	525	448	454	15	21	13	12	15	14
ORANGE	751	540	726	177	157	190	9	18	16	11	9	9
PAMLICO	47	39	38	10	14	21	1	1	0	0	0	0
PASQUOTANK	303	298	254	138	114	124	0	1	4	2	3	1
PENDER	207	208	160	53	62	44	2	1	6	1	2	4
PERQUIMANS	57	52	45	35	20	26	0	0	1	0	0	1
PERSON	207	240	263	52	69	117	7	5	6	1	3	6
PITT	2,229	1,924	1,774	856	880	753	17	22	37	19	10	19
POLK	35	34	34	20	13	11	1	4	0	1	1	0
RANDOLPH	565	570	550	162	224	175	3	2	7	1	7	8
RICHMOND	445	403	372	246	223	180	5	2	10	0	0	4
ROBESON	1,319	1,259	1,313	710	702	667	13	7	15	12	5	28
ROCKINGHAM	460	392	383	194	183	161	2	7	9	2	5	4
ROWAN	900	831	751	385	337	308	12	9	15	14	9	7
RUTHERFORD	291	281	285	167	132	141	4	2	10	0	2	6
SAMPSON	405	330	334	119	156	93	3	3	5	2	7	6
SCOTLAND	346	304	318	173	154	141	3	2	7	2	5	2
STANLY	287	255	316	75	126	111	2	2	2	1	4	1
STOKES	116	130	107	43	45	38	1	3	5	0	2	0
SURRY	197	172	185	63	74	78	1	2	0	0	2	0
SWAIN	125	64	68	37	33	28	0	0	1	0	0	0
TRANSYLVANIA	93	75	71	46	33	17	2	3	3	1	1	1
TYRRELL	15	12	12	3	4	1	0	0	0	0	0	0
UNION	1,107	966	965	296	293	277	13	14	10	7	16	9
VANCE	507	475	436	293	226	238	9	17	11	4	5	6
WAKE	6,595	5,756	4,472	2,214	2,220	1,771	160	176	202	150	150	167
WARREN	128	96	97	57	62	58	3	3	4	3	0	0
WASHINGTON	88	77	94	32	23	41	0	0	2	0	1	1
WATAUGA	279	220	215	25	29	14	0	3	9	2	2	2
WAYNE	961	823	915	309	279	318	13	25	14	6	15	9
WILKES	188	190	185	43	55	77	0	0	5	0	2	0
WILSON	897	771	886	364	503	384	10	16	20	11	8	24
YADKIN	80	100	81	19	24	24	1	1	3	0	0	1
YANCEY	31	27	33	10	11	10	0	0	0	0	0	1
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	71,298	64,405	61,243	26,643	28,030	25,130	1,132	1,261	1,792	980	1,071	1,254

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 7, 2022).

Table 8. North Carolina Newly Diagnosed HIV Infections by County of Residence at Time of Diagnosis, 2019-2021

COUNTY	2019 Jan-Dec	2020 Jan-Dec	2021 Jan-Dec
ALAMANCE	24	14	25
ALEXANDER	0	1	1
ALLEGHANY	0	0	2
ANSON	2	1	4
ASHE	0	0	1
AVERY	0	2	1
BEAUFORT	6	7	5
BERTIE	3	2	5
BLADEN	3	2	3
BRUNSWICK	5	4	5
BUNCOMBE	14	13	21
BURKE	4	4	6
CABARRUS	20	12	21
CALDWELL	4	2	1
CAMDEN	0	0	2
CARTERET	0	6	6
CASWELL	4	3	2
CATAWBA	13	8	9
CHATHAM	3	2	6
CHEROKEE	5	1	0
CHOWAN	0	0	1
CLAY	0	0	0
CLEVELAND	10	7	7
COLUMBUS	6	3	4
CRAVEN	7	3	11
CUMBERLAND	70	60	81
CURRITUCK	1	1	2
DARE	0	0	0
DAVIDSON	12	14	14
DAVIE	1	1	4
DUPLIN	4	3	9
DURHAM	69	49	59
EDGECOMBE	8	7	9
FORSYTH	81	39	66
FRANKLIN	2	2	5
GASTON	32	26	30
GATES	0	1	1
GRAHAM	0	0	0
GRANVILLE	8	4	7
GREENE	1	2	3
GUILFORD	122	93	134
HALIFAX	5	9	3
HARNETT	20	8	12
HAYWOOD	2	2	2
HENDERSON	5	2	11
HERTFORD	1	1	2
HOKE	5	8	8
HYDE	0	0	1
IREDELL	17	12	18
JACKSON	2	2	0
JOHNSTON	21	13	15
JONES	0	0	2
LEE	8	5	3
LENOIR	8	4	8
LINCOLN	2	3	5
MACON	2	4	0
MADISON	0	0	1
MARTIN	4	5	7
MCDOWELL	2	0	1
MECKLENBURG	271	209	281
MITCHELL	0	0	1
MONTGOMERY	1	5	0
MOORE	3	8	5
NASH	15	10	16
NEW HANOVER	28	23	26
NORTHAMPTON	4	0	1
ONSLOW	27	23	17
ORANGE	10	10	3
PAMLICO	1	0	3
PASQUOTANK	7	6	5
PENDER	2	5	3
PERQUIMANS	0	0	0
PERSON	1	3	8
PITT	48	21	35
POLK	0	2	0
RANDOLPH	13	6	8
RICHMOND	5	4	7
ROBESON	26	18	21
ROCKINGHAM	10	3	2
ROWAN	13	10	13
RUTHERFORD	0	1	2
SAMPSON	7	6	9
SCOTLAND	10	9	6
STANLY	2	1	2
STOKES	2	2	2
SURRY	7	5	0
SWAIN	0	0	0
TRANSYLVANIA	0	2	2
TYRRELL	0	0	0
UNION	15	11	10
VANCE	7	5	5
WAKE	133	134	163
WARREN	1	5	3
WASHINGTON	3	3	1
WATAUGA	3	2	1
WAYNE	16	11	21
WILKES	3	4	1
WILSON	14	18	18
YADKIN	1	3	3
YANCEY	0	0	0
UNASSIGNED*	21	13	16
TOTAL	1,378	1,078	1,392

* 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 February 7, 2022).

Table 9. North Carolina Newly Diagnosed AIDS (HIV Infection Stage 3) Cases by County of Residence at Time of Diagnosis, 2019-2021

COUNTY	2019 Jan-Dec	2020 Jan-Dec	2021 Jan-Dec
ALAMANCE	7	3	13
ALEXANDER	0	1	1
ALLEGHANY	0	0	2
ANSON	1	0	0
ASHE	0	0	0
AVERY	0	0	0
BEAUFORT	1	2	4
BERTIE	5	1	1
BLADEN	4	2	1
BRUNSWICK	2	2	1
BUNCOMBE	6	8	9
BURKE	3	1	2
CABARRUS	3	5	2
CALDWELL	3	1	0
CAMDEN	0	0	1
CARTERET	0	3	2
CASWELL	2	0	1
CATAWBA	5	6	5
CHATHAM	1	1	1
CHEROKEE	0	0	0
CHOWAN	0	0	0
CLAY	0	0	0
CLEVELAND	2	2	1
COLUMBUS	5	3	2
CRAVEN	3	5	2
CUMBERLAND	41	42	47
CURRITUCK	1	2	0
DARE	0	1	0
DAVIDSON	5	12	4
DAVIE	2	0	3
DUPLIN	2	2	4
DURHAM	24	29	33
EDGECOMBE	9	9	3
FORSYTH	39	23	31
FRANKLIN	2	1	3
GASTON	10	6	5
GATES	0	0	0
GRAHAM	0	0	0
GRANVILLE	2	2	4
GREENE	2	0	2
GUILFORD	29	37	18
HALIFAX	2	2	3
HARNETT	6	4	0
HAYWOOD	0	2	1
HENDERSON	3	2	5
HERTFORD	3	3	1
HOKE	6	4	5
HYDE	0	0	1
IREDELL	13	3	4
JACKSON	3	1	0
JOHNSTON	4	7	7
JONES	0	0	0
LEE	4	4	6
LENOIR	3	5	2
LINCOLN	3	1	0
MACON	2	2	1
MADISON	0	0	1
MARTIN	2	1	5
MCDOWELL	0	0	0
MECKLENBURG	74	87	71
MITCHELL	0	1	1
MONTGOMERY	1	1	1
MOORE	7	2	5
NASH	6	7	7
NEW HANOVER	5	3	4
NORTHAMPTON	1	0	0
ONSLOW	7	6	7
ORANGE	4	5	1
PAMLICO	0	0	1
PASQUOTANK	3	3	2
PENDER	0	2	2
PERQUIMANS	1	0	0
PERSON	0	2	3
PITT	18	12	16
POLK	0	0	0
RANDOLPH	4	4	2
RICHMOND	2	5	5
ROBESON	15	12	16
ROCKINGHAM	2	2	1
ROWAN	7	3	7
RUTHERFORD	0	2	1
SAMPSON	2	7	6
SCOTLAND	3	2	5
STANLY	0	2	2
STOKES	2	1	1
SURRY	2	4	0
SWAIN	0	0	1
TRANSYLVANIA	1	1	0
TYRRELL	0	0	0
UNION	4	5	2
VANCE	3	3	2
WAKE	45	58	74
WARREN	2	1	0
WASHINGTON	2	4	0
WATAUGA	1	0	0
WAYNE	4	5	5
WILKES	0	2	0
WILSON	12	8	9
YADKIN	1	2	2
YANCEY	0	0	0
UNASSIGNED*	10	9	2
TOTAL	526	526	514

* 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 February 7, 2022).