North Carolina HIV/STD Quarterly Surveillance Report: Vol. 2021, 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. 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. 1* presents statistics and trends of sexually transmitted diseases (including HIV and AIDS) in North Carolina from January 1 through March 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/).

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES

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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 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, 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
	0-9	2	0.0							2	0.0
	10-14	13	0.1							13	0.1
	15-19	873	5.7							873	5.7
	20-24	1,803	11.9							1,803	11.9
	25-29	1,025	6.7							1,025	6.7
	30-34	557	3.7							557	3.7
	35-39	244	1.6							244	1.6
	40-44	167	1.1							167	1.1
	45-54	131	0.9							131	0.9
	55-64	48	0.3							48	0.3
	65+	16	0.1							16	0.1
	Total	4,879	32.1							4,879	32.1
Female	Unknown	5	0.0							5	0.0
	0-9	1	0.0							1	0.0
	10-14	91	0.6							91	0.6
	15-19	3,037	20.0							3,037	20.0
	20-24	3,929	25.9							3,929	25.9
	25-29	1,843	12.1							1,843	12.1
	30-34	822	5.4							822	5.4
	35-39	313	2.1							313	2.1
	40-44	142	0.9							142	0.9
	45-54	104	0.7							104	0.7
	55-64	19	0.1							19	0.1
	65+	3	0.0							3	0.0
	Total	10,309	67.9							10,309	67.9
Total	Unknown	5	0.0							5	0.0
	0-9	3	0.0							3	0.0
	10-14	104	0.7							104	0.7
	15-19	3,910	25.7							3,910	25.7
	20-24	5,732	37.7							5,732	37.7
	25-29	2,868	18.9							2,868	18.9
	30-34	1,379	9.1							1,379	9.1
	35-39	557	3.7							557	3.7
	40-44	309	2.0							309	2.0
	45-54	235	1.5							235	1.5
	55-64	67	0.4							67	0.4
	65+	19	0.1							19	0.1
	Total	15,188	100.0							15,188	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of May 19, 2021).

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]	35	0.2							35	0.2
	Asian/Pacific Islander[a]	22	0.1							22	0.1
	Black/African American[a]	1,435	9.4							1,435	9.4
	Hispanic/Latino	369	2.4							369	2.4
	White/Caucasian[a]	535	3.5							535	3.5
	Multiple Race	15	0.1							15	0.1
	Unknown	2,468	16.2							2,468	16.2
	Total	4,879	32.1							4,879	32.1
Female	American Indian/Alaska Native[a]	123	0.8							123	0.8
	Asian/Pacific Islander[a]	45	0.3							45	0.3
	Black/African American[a]	2,701	17.8							2,701	17.8
	Hispanic/Latino	968	6.4							968	6.4
	White/Caucasian[a]	1,676	11.0							1,676	11.0
	Multiple Race	30	0.2							30	0.2
	Unknown	4,766	31.4							4,766	31.4
	Total	10,309	67.9							10,309	67.9
Total	American Indian/Alaska Native[a]	158	1.0							158	1.0
	Asian/Pacific Islander[a]	67	0.4							67	0.4
	Black/African American[a]	4,136	27.2							4,136	27.2
	Hispanic/Latino	1,337	8.8							1,337	8.8
	White/Caucasian[a]	2,211	14.6							2,211	14.6
	Multiple Race	45	0.3							45	0.3
	Unknown	7,234	47.6							7,234	47.6
	Total	15,188	100.0							15,188	100.0

[a]Non-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of May 19, 2021).

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
	0-9	1	0.0							1	0.0
	10-14	8	0.1							8	0.1
	15-19	392	6.1							392	6.1
	20-24	915	14.2							915	14.2
	25-29	734	11.4							734	11.4
	30-34	533	8.3							533	8.3
	35-39	268	4.2							268	4.2
	40-44	167	2.6							167	2.6
	45-54	202	3.1							202	3.1
	55-64	110	1.7							110	1.7
	65+	23	0.4							23	0.4
	Total	3,353	52.1							3,353	52.1
Female	Unknown	0	0.0							0	0.0
	0-9	0	0.0							0	0.0
	10-14	22	0.3							22	0.3
	15-19	677	10.5							677	10.5
	20-24	1,008	15.7							1,008	15.7
	25-29	662	10.3							662	10.3
	30-34	375	5.8							375	5.8
	35-39	190	3.0							190	3.0
	40-44	74	1.2							74	1.2
	45-54	54	0.8							54	0.8
	55-64	15	0.2							15	0.2
	65+	3	0.0							3	0.0
	Total	3,080	47.9							3,080	47.9
Total[a]	Unknown	0	0.0							0	0.0
	0-9	1	0.0							1	0.0
	10-14	30	0.5							30	0.5
	15-19	1,069	16.6							1,069	16.6
	20-24	1,924	29.9							1,924	29.9
	25-29	1,396	21.7							1,396	21.7
	30-34	908	14.1							908	14.1
	35-39	458	7.1							458	7.1
	40-44	241	3.7							241	3.7
	45-54	256	4.0							256	4.0
	55-64	125	1.9							125	1.9
	65+	26	0.4							26	0.4
	Total	6,434	100.0							6,434	100.0

[a]Total includes 1 case with unreported gender (1 case in Quarter 1).
Data Source: North Carolina Electronic Disease Surveillance System (data as of May 19, 2021).

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]	37	0.6							37	0.6
	Asian/Pacific Islander[a]	11	0.2							11	0.2
	Black/African American[a]	1,479	23.0							1,479	23.0
	Hispanic/Latino	204	3.2							204	3.2
	White/Caucasian[a]	317	4.9							317	4.9
	Multiple Race	16	0.2							16	0.2
	Unknown	1,289	20.0							1,289	20.0
	Total	3,353	52.1							3,353	52.1
Female	American Indian/Alaska Native[a]	35	0.5							35	0.5
	Asian/Pacific Islander[a]	7	0.1							7	0.1
	Black/African American[a]	1,163	18.1							1,163	18.1
	Hispanic/Latino	151	2.3							151	2.3
	White/Caucasian[a]	455	7.1							455	7.1
	Multiple Race	13	0.2							13	0.2
	Unknown	1,256	19.5							1,256	19.5
	Total	3,080	47.9							3,080	47.9
Total[b]	American Indian/Alaska Native[a]	72	1.1							72	1.1
	Asian/Pacific Islander[a]	18	0.3							18	0.3
	Black/African American[a]	2,642	41.1							2,642	41.1
	Hispanic/Latino	355	5.5							355	5.5
	White/Caucasian[a]	772	12.0							772	12.0
	Multiple Race	29	0.5							29	0.5
	Unknown	2,546	39.6							2,546	39.6
	Total	6,434	100.0							6,434	100.0

[a]Non-Hispanic/Latino.
[b]Total includes 1 case with unreported gender (1 case in Quarter 1).
Data Source: North Carolina Electronic Disease Surveillance System (data as of May 19, 2021).

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
	0-9	0	0.0							0	0.0
	10-14	0	0.0							0	0.0
	15-19	13	2.0							13	2.0
	20-24	98	14.8							98	14.8
	25-29	118	17.8							118	17.8
	30-34	100	15.1							100	15.1
	35-39	78	11.8							78	11.8
	40-44	43	6.5							43	6.5
	45-54	67	10.1							67	10.1
	55-64	47	7.1							47	7.1
	65+	7	1.1							7	1.1
	Total	571	86.3							571	86.3
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	6	0.9							6	0.9
	20-24	13	2.0							13	2.0
	25-29	18	2.7							18	2.7
	30-34	18	2.7							18	2.7
	35-39	11	1.7							11	1.7
	40-44	5	0.8							5	0.8
	45-54	12	1.8							12	1.8
	55-64	6	0.9							6	0.9
	65+	2	0.3							2	0.3
	Total	91	13.7							91	13.7
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	19	2.9							19	2.9
	20-24	111	16.8							111	16.8
	25-29	136	20.5							136	20.5
	30-34	118	17.8							118	17.8
	35-39	89	13.4							89	13.4
	40-44	48	7.3							48	7.3
	45-54	79	11.9							79	11.9
	55-64	53	8.0							53	8.0
	65+	9	1.4							9	1.4
	Total	662	100.0							662	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of May 19, 2021).

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]	4	0.6							4	0.6
	Asian/Pacific Islander[a]	1	0.2							1	0.2
	Black/African American[a]	340	51.4							340	51.4
	Hispanic/Latino	54	8.2							54	8.2
	White/Caucasian[a]	142	21.5							142	21.5
	Multiple Race	16	2.4							16	2.4
	Unknown	14	2.1							14	2.1
	Total	571	86.3							571	86.3
Female	American Indian/Alaska Native[a]	1	0.2							1	0.2
	Asian/Pacific Islander[a]	0	0.0							0	0.0
	Black/African American[a]	45	6.8							45	6.8
	Hispanic/Latino	7	1.1							7	1.1
	White/Caucasian[a]	23	3.5							23	3.5
	Multiple Race	7	1.1							7	1.1
	Unknown	8	1.2							8	1.2
	Total	91	13.7							91	13.7
Total[c]	American Indian/Alaska Native[a]	5	0.8							5	0.8
	Asian/Pacific Islander[a]	1	0.2							1	0.2
	Black/African American[a]	385	58.2							385	58.2
	Hispanic/Latino	61	9.2							61	9.2
	White/Caucasian[a]	165	24.9							165	24.9
	Multiple Race	23	3.5							23	3.5
	Unknown	22	3.3							22	3.3
	Total	662	100.0							662	100.0

[a]Non-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of May 19, 2021).

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-Mar	2020 Jan-Mar	2021 Jan-Mar	2019 Jan-Mar	2020 Jan-Mar	2021 Jan-Mar	2019 Jan-Mar	2020 Jan-Mar	2021 Jan-Mar	2019 Jan-Mar	2020 Jan-Mar	2021 Jan-Mar
ALAMANCE	279	243	231	65	61	89	2	7	7	5	6	2
ALEXANDER	16	28	24	11	12	10	0	1	0	0	0	0
ALLEGHANY	7	2	4	0	1	1	0	0	0	0	0	0
ANSON	61	57	51	18	20	25	1	0	0	2	0	1
ASHE	7	14	25	2	5	6	0	0	1	0	0	0
AVERY	9	14	4	2	2	0	0	0	0	0	0	0
BEAUFORT	71	85	73	27	33	28	0	0	1	0	0	0
BERTIE	42	40	23	13	12	13	0	0	0	1	0	1
BLADEN	37	45	34	24	27	28	0	0	1	0	1	0
BRUNSWICK	129	109	105	59	25	35	1	0	3	4	2	0
BUNCOMBE	273	338	260	99	155	108	16	2	5	2	5	4
BURKE	95	74	95	44	38	27	0	1	2	0	0	2
CABARRUS	315	322	334	69	92	95	4	3	5	1	2	2
CALDWELL	86	83	65	57	44	28	0	0	2	0	0	0
CAMDEN	10	7	6	3	1	1	0	0	0	0	0	0
CARTERET	65	60	35	13	16	11	1	1	0	2	0	1
CASWELL	26	29	17	5	7	18	2	0	1	0	0	1
CATAWBA	190	176	189	85	50	59	2	6	2	0	0	3
CHATHAM	57	44	50	11	12	9	0	0	1	0	0	0
CHEROKEE	12	14	4	4	5	4	0	0	0	0	0	0
CHOWAN	14	23	21	12	5	12	2	0	1	0	0	0
CLAY	5	2	5	1	6	0	0	1	0	0	0	0
CLEVELAND	167	171	205	87	67	73	0	1	2	1	2	1
COLUMBUS	87	66	78	50	20	38	1	0	1	1	0	1
CRAVEN	203	182	146	56	59	52	2	1	1	0	2	1
CUMBERLAND	1,100	1,120	1,023	403	412	401	9	9	15	16	22	10
CURRITUCK	11	12	9	4	5	7	0	0	0	0	0	1
DARE	19	19	12	4	6	2	0	0	0	0	0	0
DAVIDSON	153	174	194	86	89	101	1	3	4	2	3	1
DAVIE	41	40	18	12	9	5	0	0	0	2	0	0
DUPLIN	93	89	102	32	26	26	0	1	2	0	1	0
DURHAM	734	712	435	298	314	214	28	28	26	22	21	13
EDGECOMBE	136	173	137	65	97	67	0	1	1	2	2	1
FORSYTH	805	831	492	351	340	281	17	12	16	12	8	4
FRANKLIN	86	79	59	39	33	21	0	2	0	2	2	1
GASTON	384	392	402	144	160	177	3	9	7	2	8	5
GATES	9	13	6	1	3	2	0	0	0	0	0	0
GRAHAM	7	9	2	1	0	1	0	0	0	0	0	0
GRANVILLE	109	94	73	37	42	37	1	1	0	2	0	0
GREENE	44	43	27	19	19	14	0	0	1	0	0	2
GUILFORD	1,413	1,235	1,098	499	505	525	14	19	43	23	22	27
HALIFAX	134	133	131	56	46	77	0	7	2	1	1	1
HARNETT	211	172	202	68	68	82	0	0	3	2	2	2
HAYWOOD	44	41	33	20	25	13	0	0	1	0	0	0
HENDERSON	100	93	59	33	43	26	1	2	2	0	1	2
HERTFORD	59	74	35	23	15	14	1	0	0	2	1	0
HOKE	95	102	46	50	42	19	0	0	2	3	1	2
HYDE	1	4	3	1	0	2	0	0	0	0	0	0
IREDELL	198	158	186	55	80	83	2	2	4	0	4	1
JACKSON	62	56	59	14	12	10	0	0	0	0	0	0
JOHNSTON	233	240	227	66	88	85	2	4	12	4	4	7
JONES	15	11	11	9	3	6	0	0	0	0	0	0

Continued

Data Source: North Carolina Electronic Disease Surveillance System (data as of May 19, 2021).

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-Mar	2020 Jan-Mar	2021 Jan-Mar	2019 Jan-Mar	2020 Jan-Mar	2021 Jan-Mar	2019 Jan-Mar	2020 Jan-Mar	2021 Jan-Mar	2019 Jan-Mar	2020 Jan-Mar	2021 Jan-Mar
LEE	83	86	76	16	29	29	1	3	0	0	1	1
LENOIR	143	158	139	56	61	71	3	2	0	1	1	0
LINCOLN	84	93	60	17	30	14	1	2	4	0	2	0
MACON	20	14	26	5	7	6	0	0	1	0	0	0
MADISON	18	14	17	2	7	5	0	0	1	0	0	0
MARTIN	55	35	35	13	14	25	0	1	1	2	3	0
MCDOWELL	47	45	31	18	16	17	0	3	1	0	1	1
MECKLENBURG	2,459	2,536	2,430	767	974	1,141	61	84	94	63	71	79
MITCHELL	9	11	5	1	0	3	0	0	0	0	0	0
MONTGOMERY	20	24	31	8	9	20	0	0	1	0	1	0
MOORE	100	93	111	31	21	44	0	3	0	2	0	0
NASH	171	173	165	96	130	100	4	5	2	3	4	2
NEW HANOVER	369	293	331	116	78	88	5	3	7	3	4	4
NORTHAMPTON	44	36	29	17	13	12	1	0	1	0	0	0
ONSLOW	615	622	527	133	125	100	2	5	3	3	7	5
ORANGE	176	186	173	39	45	32	3	7	4	4	4	0
PAMLICO	7	10	9	3	8	4	0	0	0	0	0	0
PASQUOTANK	67	91	56	49	22	38	0	0	1	1	1	0
PENDER	55	49	34	12	16	9	0	0	2	0	0	0
PERQUIMANS	18	15	10	11	4	4	0	0	0	0	0	0
PERSON	48	67	80	13	14	34	1	2	1	0	2	1
PITT	624	548	453	189	193	189	6	2	8	5	4	3
POLK	9	14	12	5	2	5	0	1	0	0	0	0
RANDOLPH	136	168	123	38	33	46	0	0	1	0	2	0
RICHMOND	115	113	104	81	39	49	2	1	0	0	0	0
ROBESON	318	336	356	187	159	182	5	2	1	1	1	3
ROCKINGHAM	128	98	98	49	41	39	0	2	3	1	1	1
ROWAN	223	201	196	90	79	77	1	3	4	7	1	2
RUTHERFORD	64	68	73	39	33	35	1	0	0	0	0	1
SAMPSON	120	89	67	31	26	25	2	1	2	0	3	1
SCOTLAND	76	91	63	39	24	24	2	0	1	0	2	1
STANLY	69	65	65	22	20	25	0	0	0	0	1	0
STOKES	21	22	34	7	10	9	0	0	3	0	0	0
SURRY	46	44	49	16	21	24	0	0	0	0	0	0
SWAIN	24	19	12	5	9	6	0	0	0	0	0	0
TRANSYLVANIA	22	31	18	13	4	5	1	0	1	0	0	1
TYRRELL	4	2	1	0	0	0	0	0	0	0	0	0
UNION	278	250	247	80	63	80	5	2	1	2	6	2
VANCE	113	118	94	76	56	54	2	4	3	2	1	2
WAKE	1,656	1,624	1,031	538	488	440	45	45	58	35	35	44
WARREN	42	27	22	19	12	13	1	0	1	1	0	0
WASHINGTON	19	19	17	0	5	6	0	0	0	0	1	0
WATAUGA	82	68	24	7	11	1	0	0	2	1	0	0
WAYNE	271	223	225	103	72	92	5	7	2	0	4	1
WILKES	52	59	34	18	9	28	0	0	4	0	0	0
WILSON	227	207	204	58	107	109	3	3	4	3	3	6
YADKIN	25	31	20	8	2	6	1	1	1	0	0	0
YANCEY	3	10	6	2	1	1	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	17,934	17,543	15,188	6,350	6,399	6,434	277	318	401	256	290	261

Data Source: North Carolina Electronic Disease Surveillance System (data as of May 19, 2021).

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

COUNTY	2019 Jan-Mar	2020 Jan-Mar	2021 Jan-Mar
ALAMANCE	5	2	6
ALEXANDER	0	0	0
ALLEGHANY	0	0	1
ANSON	1	0	0
ASHE	0	0	0
AVERY	0	1	0
BEAUFORT	1	2	1
BERTIE	1	2	0
BLADEN	1	0	1
BRUNSWICK	0	0	1
BUNCOMBE	6	2	1
BURKE	1	2	2
CABARRUS	4	3	8
CALDWELL	3	0	0
CAMDEN	0	0	0
CARTERET	0	2	0
CASWELL	3	0	1
CATAWBA	3	2	1
CHATHAM	0	0	3
CHEROKEE	1	1	0
CHOWAN	0	0	0
CLAY	0	0	0
CLEVELAND	2	2	2
COLUMBUS	2	1	0
CRAVEN	2	0	3
CUMBERLAND	18	15	13
CURRITUCK	0	1	0
DARE	0	0	0
DAVIDSON	3	5	0
DAVIE	0	0	2
DUPLIN	0	0	2
DURHAM	14	13	11
EDGECOMBE	2	2	4
FORSYTH	18	12	17
FRANKLIN	1	0	3
GASTON	6	9	7
GATES	0	0	1
GRAHAM	0	0	0
GRANVILLE	3	0	0
GREENE	0	1	1
GUILFORD	30	29	34
HALIFAX	1	4	1
HARNETT	6	2	2
HAYWOOD	0	1	1
HENDERSON	1	1	6
HERTFORD	0	1	1
HOKE	1	4	3
HYDE	0	0	0
IREDELL	7	5	2
JACKSON	1	0	0
JOHNSTON	4	5	3
JONES	0	0	0
LEE	1	1	1
LENOIR	0	2	0
LINCOLN	1	2	0
MACON	0	4	0
MADISON	0	0	0
MARTIN	0	2	3
MCDOWELL	0	0	0
MECKLENBURG	64	43	77
MITCHELL	0	0	1
MONTGOMERY	0	1	0
MOORE	1	1	1
NASH	5	3	3
NEW HANOVER	11	2	9
NORTHAMPTON	1	0	0
ONSLOW	3	6	0
ORANGE	6	1	3
PAMLICO	1	0	1
PASQUOTANK	1	4	1
PENDER	0	0	2
PERQUIMANS	0	0	0
PERSON	0	0	1
PITT	13	5	6
POLK	0	0	0
RANDOLPH	4	1	4
RICHMOND	2	0	0
ROBESON	3	4	1
ROCKINGHAM	3	1	0
ROWAN	3	0	4
RUTHERFORD	0	0	1
SAMPSON	1	2	2
SCOTLAND	2	4	1
STANLY	1	1	1
STOKES	1	0	0
SURRY	3	2	0
SWAIN	0	0	0
TRANSYLVANIA	0	0	1
TYRRELL	0	0	0
UNION	3	3	0
VANCE	4	2	4
WAKE	31	40	37
WARREN	0	1	1
WASHINGTON	0	1	0
WATAUGA	0	0	0
WAYNE	7	3	6
WILKES	0	2	0
WILSON	2	6	1
YADKIN	0	2	0
YANCEY	0	0	0
UNASSIGNED*	3	3	4
TOTAL	333	287	322

* 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 3, 2021).

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-Mar	2020 Jan-Mar	2021 Jan-Mar
ALAMANCE	3	0	4
ALEXANDER	0	0	1
ALLEGHANY	0	0	0
ANSON	1	0	0
ASHE	0	0	0
AVERY	0	0	0
BEAUFORT	0	0	1
BERTIE	2	1	0
BLADEN	0	1	0
BRUNSWICK	0	0	1
BUNCOMBE	2	2	0
BURKE	1	0	1
CABARRUS	1	0	0
CALDWELL	3	1	0
CAMDEN	0	0	0
CARTERET	0	1	0
CASWELL	0	0	0
CATAWBA	2	2	1
CHATHAM	0	0	0
CHEROKEE	0	0	0
CHOWAN	0	0	0
CLAY	0	0	0
CLEVELAND	1	1	2
COLUMBUS	1	1	0
CRAVEN	1	1	1
CUMBERLAND	8	16	11
CURRITUCK	0	0	0
DARE	0	0	0
DAVIDSON	1	2	1
DAVIE	1	0	1
DUPLIN	1	1	1
DURHAM	4	6	11
EDGECOMBE	4	3	2
FORSYTH	16	5	10
FRANKLIN	0	1	1
GASTON	4	2	1
GATES	0	0	0
GRAHAM	0	0	0
GRANVILLE	1	0	1
GREENE	1	0	1
GUILFORD	13	9	8
HALIFAX	0	1	2
HARNETT	1	3	0
HAYWOOD	0	1	0
HENDERSON	0	0	1
HERTFORD	1	3	1
HOKE	0	1	1
HYDE	0	0	0
IREDELL	7	3	0
JACKSON	1	0	0
JOHNSTON	0	4	1
JONES	0	0	0
LEE	0	0	1
LENOIR	2	1	0
LINCOLN	1	0	0
MACON	0	1	1
MADISON	0	0	0
MARTIN	0	1	2
MCDOWELL	0	0	0
MECKLENBURG	14	20	15
MITCHELL	0	1	1
MONTGOMERY	0	0	1
MOORE	3	1	1
NASH	1	0	2
NEW HANOVER	1	1	2
NORTHAMPTON	0	0	0
ONSLOW	1	3	2
ORANGE	2	0	0
PAMLICO	0	0	0
PASQUOTANK	1	2	0
PENDER	0	1	2
PERQUIMANS	1	0	0
PERSON	0	1	1
PITT	7	4	4
POLK	0	0	0
RANDOLPH	0	0	0
RICHMOND	1	1	0
ROBESON	2	2	3
ROCKINGHAM	0	0	0
ROWAN	2	1	0
RUTHERFORD	0	1	1
SAMPSON	0	2	2
SCOTLAND	2	0	2
STANLY	0	0	2
STOKES	1	0	0
SURRY	0	2	0
SWAIN	0	0	0
TRANSYLVANIA	0	0	0
TYRRELL	0	0	0
UNION	1	3	1
VANCE	2	1	2
WAKE	9	13	17
WARREN	0	0	0
WASHINGTON	0	1	0
WATAUGA	0	0	0
WAYNE	2	2	2
WILKES	0	0	0
WILSON	1	3	1
YADKIN	0	1	0
YANCEY	0	0	0
UNASSIGNED*	4	2	0
TOTAL	143	144	135

* 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 3, 2021).