

North Carolina HIV/STD Quarterly Surveillance Report: Vol. 2021, No. 3

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.

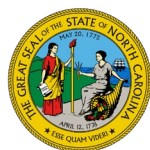
If you have questions or comments, please contact us at the address or phone number above.

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. 3* presents statistics and trends of sexually transmitted diseases (including HIV and AIDS) in North Carolina from January 1 through September 30, 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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11/21



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>.

North Carolina HIV/STD Surveillance Report Vol. 2021, No.3

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	4	0.0	2	0.0			6	0.0
	0-9	4	0.0	2	0.0	1	0.0			7	0.0
	10-14	13	0.1	11	0.1	14	0.1			38	0.1
	15-19	956	5.8	947	5.9	717	5.6			2,620	5.8
	20-24	1,942	11.8	1,921	11.9	1,492	11.6			5,355	11.8
	25-29	1,118	6.8	1,124	7.0	894	6.9			3,136	6.9
	30-34	630	3.8	627	3.9	510	4.0			1,767	3.9
	35-39	268	1.6	271	1.7	263	2.0			802	1.8
	40-44	175	1.1	185	1.1	156	1.2			516	1.1
	45-54	143	0.9	147	0.9	136	1.1			426	0.9
	55-64	52	0.3	49	0.3	47	0.4			148	0.3
	65+	17	0.1	12	0.1	11	0.1			40	0.1
Total		5,318	32.4	5,300	32.8	4,243	33.0			14,861	32.7
Female	Unknown	6	0.0	1	0.0	0	0.0			7	0.0
	0-9	1	0.0	3	0.0	1	0.0			5	0.0
	10-14	97	0.6	89	0.6	73	0.6			259	0.6
	15-19	3,246	19.8	3,129	19.4	2,538	19.7			8,913	19.6
	20-24	4,252	25.9	4,247	26.3	3,280	25.5			11,779	25.9
	25-29	1,976	12.0	1,880	11.6	1,499	11.6			5,355	11.8
	30-34	901	5.5	820	5.1	662	5.1			2,383	5.2
	35-39	337	2.1	362	2.2	296	2.3			995	2.2
	40-44	155	0.9	167	1.0	144	1.1			466	1.0
	45-54	108	0.7	119	0.7	109	0.8			336	0.7
	55-64	24	0.1	32	0.2	26	0.2			82	0.2
	65+	3	0.0	8	0.0	4	0.0			15	0.0
Total		11,106	67.6	10,857	67.2	8,632	67.0			30,595	67.3
Total	Unknown	6	0.0	5	0.0	2	0.0			13	0.0
	0-9	5	0.0	5	0.0	2	0.0			12	0.0
	10-14	110	0.7	100	0.6	87	0.7			297	0.7
	15-19	4,202	25.6	4,076	25.2	3,255	25.3			11,533	25.4
	20-24	6,194	37.7	6,168	38.2	4,772	37.1			17,134	37.7
	25-29	3,094	18.8	3,004	18.6	2,393	18.6			8,491	18.7
	30-34	1,531	9.3	1,447	9.0	1,172	9.1			4,150	9.1
	35-39	605	3.7	633	3.9	559	4.3			1,797	4.0
	40-44	330	2.0	352	2.2	300	2.3			982	2.2
	45-54	251	1.5	266	1.6	245	1.9			762	1.7
	55-64	76	0.5	81	0.5	73	0.6			230	0.5
	65+	20	0.1	20	0.1	15	0.1			55	0.1
Total		16,424	100.0	16,157	100.0	12,875	100.0			45,456	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of November 1, 2021).

North Carolina HIV/STD Surveillance Report Vol. 2021, No.3

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	31	0.2	27	0.2			98	0.2
	Asian/Pacific Islander ^a	25	0.2	20	0.1	24	0.2			69	0.2
	Black/African American ^a	1,613	9.8	1,733	10.7	1,378	10.7			4,724	10.4
	Hispanic/Latino	399	2.4	380	2.4	345	2.7			1,124	2.5
	White/Caucasian ^a	570	3.5	569	3.5	513	4.0			1,652	3.6
	Multiple Race	17	0.1	22	0.1	16	0.1			55	0.1
	Unknown	2,654	16.2	2,545	15.8	1,940	15.1			7,139	15.7
	Total	5,318	32.4	5,300	32.8	4,243	33.0			14,861	32.7
Female	American Indian/Alaska Native ^a	138	0.8	113	0.7	94	0.7			345	0.8
	Asian/Pacific Islander ^a	51	0.3	60	0.4	43	0.3			154	0.3
	Black/African American ^a	2,919	17.8	3,147	19.5	2,544	19.8			8,610	18.9
	Hispanic/Latino	1,043	6.4	1,107	6.9	917	7.1			3,067	6.7
	White/Caucasian ^a	1,777	10.8	1,641	10.2	1,391	10.8			4,809	10.6
	Multiple Race	34	0.2	41	0.3	33	0.3			108	0.2
	Unknown	5,144	31.3	4,748	29.4	3,610	28.0			13,502	29.7
	Total	11,106	67.6	10,857	67.2	8,632	67.0			30,595	67.3
Total	American Indian/Alaska Native ^a	178	1.1	144	0.9	121	0.9			443	1.0
	Asian/Pacific Islander ^a	76	0.5	80	0.5	67	0.5			223	0.5
	Black/African American ^a	4,532	27.6	4,880	30.2	3,922	30.5			13,334	29.3
	Hispanic/Latino	1,442	8.8	1,487	9.2	1,262	9.8			4,191	9.2
	White/Caucasian ^a	2,347	14.3	2,210	13.7	1,904	14.8			6,461	14.2
	Multiple Race	51	0.3	63	0.4	49	0.4			163	0.4
	Unknown	7,798	47.5	7,293	45.1	5,550	43.1			20,641	45.4
	Total	16,424	100.0	16,157	100.0	12,875	100.0			45,456	100.0

^aNon-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of November 1, 2021).

North Carolina HIV/STD Surveillance Report Vol. 2021, No.3

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
	0-9	1	0.0	0	0.0	1	0.0			2	0.0
	10-14	8	0.1	7	0.1	3	0.1			18	0.1
	15-19	428	6.0	402	5.6	339	6.2			1,169	5.9
	20-24	1,030	14.3	1,064	14.8	798	14.5			2,892	14.6
	25-29	845	11.8	792	11.0	660	12.0			2,297	11.6
	30-34	598	8.3	618	8.6	524	9.5			1,740	8.8
	35-39	303	4.2	334	4.6	256	4.7			893	4.5
	40-44	195	2.7	209	2.9	136	2.5			540	2.7
	45-54	222	3.1	228	3.2	166	3.0			616	3.1
	55-64	120	1.7	92	1.3	77	1.4			289	1.5
	65+	25	0.3	28	0.4	23	0.4			76	0.4
Total		3,775	52.5	3,774	52.5	2,983	54.3			10,532	53.0
Female	Unknown	1	0.0	0	0.0	0	0.0			1	0.0
	0-9	1	0.0	1	0.0	1	0.0			3	0.0
	10-14	22	0.3	27	0.4	22	0.4			71	0.4
	15-19	741	10.3	727	10.1	537	9.8			2,005	10.1
	20-24	1,136	15.8	1,099	15.3	840	15.3			3,075	15.5
	25-29	729	10.1	708	9.9	537	9.8			1,974	9.9
	30-34	412	5.7	414	5.8	272	4.9			1,098	5.5
	35-39	207	2.9	222	3.1	138	2.5			567	2.9
	40-44	83	1.2	91	1.3	87	1.6			261	1.3
	45-54	60	0.8	94	1.3	61	1.1			215	1.1
	55-64	19	0.3	20	0.3	16	0.3			55	0.3
	65+	4	0.1	6	0.1	1	0.0			11	0.1
Total		3,415	47.5	3,409	47.5	2,512	45.7			9,336	47.0
Total ^a	Unknown	1	0.0	0	0.0	0	0.0			1	0.0
	0-9	2	0.0	1	0.0	2	0.0			5	0.0
	10-14	30	0.4	34	0.5	25	0.5			89	0.4
	15-19	1,169	16.3	1,129	15.7	876	15.9			3,174	16.0
	20-24	2,167	30.1	2,163	30.1	1,638	29.8			5,968	30.0
	25-29	1,574	21.9	1,500	20.9	1,197	21.8			4,271	21.5
	30-34	1,010	14.0	1,032	14.4	796	14.5			2,838	14.3
	35-39	510	7.1	556	7.7	394	7.2			1,460	7.3
	40-44	278	3.9	300	4.2	223	4.1			801	4.0
	45-54	282	3.9	322	4.5	227	4.1			831	4.2
	55-64	139	1.9	112	1.6	93	1.7			344	1.7
	65+	29	0.4	34	0.5	24	0.4			87	0.4
Total		7,191	100.0	7,183	100.0	5,495	100.0			19,869	100.0

^aTotal includes 1 case with unreported gender (1 case in Quarter 1).

Data Source: North Carolina Electronic Disease Surveillance System (data as of November 1, 2021).

North Carolina HIV/STD Surveillance Report Vol. 2021, No.3

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	21	0.4			87	0.4
	Asian/Pacific Islander ^a	14	0.2	15	0.2	11	0.2			40	0.2
	Black/African American ^a	1,715	23.8	1,768	24.6	1,379	25.1			4,862	24.5
	Hispanic/Latino	226	3.1	215	3.0	220	4.0			661	3.3
	White/Caucasian ^a	358	5.0	370	5.2	316	5.8			1,044	5.3
	Multiple Race	18	0.3	13	0.2	18	0.3			49	0.2
	Unknown	1,404	19.5	1,367	19.0	1,018	18.5			3,789	19.1
	Total	3,775	52.5	3,774	52.5	2,983	54.3			10,532	53.0
Female	American Indian/Alaska Native ^a	39	0.5	51	0.7	34	0.6			124	0.6
	Asian/Pacific Islander ^a	8	0.1	7	0.1	5	0.1			20	0.1
	Black/African American ^a	1,314	18.3	1,384	19.3	959	17.5			3,657	18.4
	Hispanic/Latino	170	2.4	184	2.6	141	2.6			495	2.5
	White/Caucasian ^a	490	6.8	505	7.0	418	7.6			1,413	7.1
	Multiple Race	15	0.2	23	0.3	18	0.3			56	0.3
	Unknown	1,379	19.2	1,255	17.5	937	17.1			3,571	18.0
	Total	3,415	47.5	3,409	47.5	2,512	45.7			9,336	47.0
Total ^b	American Indian/Alaska Native ^a	79	1.1	77	1.1	55	1.0			211	1.1
	Asian/Pacific Islander ^a	22	0.3	22	0.3	16	0.3			60	0.3
	Black/African American ^a	3,029	42.1	3,152	43.9	2,338	42.5			8,519	42.9
	Hispanic/Latino	396	5.5	399	5.6	361	6.6			1,156	5.8
	White/Caucasian ^a	848	11.8	875	12.2	734	13.4			2,457	12.4
	Multiple Race	33	0.5	36	0.5	36	0.7			105	0.5
	Unknown	2,784	38.7	2,622	36.5	1,955	35.6			7,361	37.0
	Total	7,191	100.0	7,183	100.0	5,495	100.0			19,869	100.0

^aNon-Hispanic/Latino.

^bTotal includes 1 case with unreported gender (1 case in Quarter 1).

Data Source: North Carolina Electronic Disease Surveillance System (data as of November 1, 2021).

North Carolina HIV/STD Surveillance Report Vol. 2021, No.3

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
	0-9	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
	15-19	13	1.9	21	3.0	18	2.5			52	2.4
	20-24	102	14.8	84	11.8	87	11.9			273	12.8
	25-29	120	17.4	131	18.5	106	14.5			357	16.8
	30-34	104	15.1	120	16.9	100	13.7			324	15.2
	35-39	80	11.6	66	9.3	76	10.4			222	10.4
	40-44	45	6.5	40	5.6	65	8.9			150	7.0
	45-54	73	10.6	72	10.1	73	10.0			218	10.2
	55-64	49	7.1	38	5.4	55	7.5			142	6.7
	65+	7	1.0	3	0.4	7	1.0			17	0.8
Total		593	86.1	575	81.0	587	80.4			1,755	82.4
Female	Unknown	0	0.0	0	0.0	0	0.0			0	0.0
	0-9	0	0.0	0	0.0	1	0.1			1	0.0
	10-14	0	0.0	0	0.0	0	0.0			0	0.0
	15-19	6	0.9	4	0.6	14	1.9			24	1.1
	20-24	14	2.0	18	2.5	15	2.1			47	2.2
	25-29	20	2.9	30	4.2	26	3.6			76	3.6
	30-34	18	2.6	29	4.1	26	3.6			73	3.4
	35-39	12	1.7	21	3.0	21	2.9			54	2.5
	40-44	5	0.7	15	2.1	15	2.1			35	1.6
	45-54	12	1.7	14	2.0	19	2.6			45	2.1
	55-64	6	0.9	4	0.6	5	0.7			15	0.7
	65+	3	0.4	0	0.0	1	0.1			4	0.2
Total		96	13.9	135	19.0	143	19.6			374	17.6
Total	Unknown	0	0.0	0	0.0	0	0.0			0	0.0
	0-9	0	0.0	0	0.0	1	0.1			1	0.0
	10-14	0	0.0	0	0.0	0	0.0			0	0.0
	15-19	19	2.8	25	3.5	32	4.4			76	3.6
	20-24	116	16.8	102	14.4	102	14.0			320	15.0
	25-29	140	20.3	161	22.7	132	18.1			433	20.3
	30-34	122	17.7	149	21.0	126	17.3			397	18.6
	35-39	92	13.4	87	12.3	97	13.3			276	13.0
	40-44	50	7.3	55	7.7	80	11.0			185	8.7
	45-54	85	12.3	86	12.1	92	12.6			263	12.4
	55-64	55	8.0	42	5.9	60	8.2			157	7.4
	65+	10	1.5	3	0.4	8	1.1			21	1.0
Total		689	100.0	710	100.0	730	100.0			2,129	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of November 1, 2021).

North Carolina HIV/STD Surveillance Report Vol. 2021, No.3

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	5	0.7	7	1.0			17	0.8
	Asian/Pacific Islander ^a	2	0.3	3	0.4	4	0.5			9	0.4
	Black/African American ^a	351	50.9	358	50.4	325	44.5			1,034	48.6
	Hispanic/Latino	58	8.4	73	10.3	63	8.6			194	9.1
	White/Caucasian ^a	146	21.2	112	15.8	147	20.1			405	19.0
	Multiple Race	18	2.6	8	1.1	22	3.0			48	2.3
	Unknown	13	1.9	16	2.3	19	2.6			48	2.3
	Total	593	86.1	575	81.0	587	80.4			1,755	82.4
Female	American Indian/Alaska Native ^a	1	0.1	5	0.7	2	0.3			8	0.4
	Asian/Pacific Islander ^a	0	0.0	0	0.0	0	0.0			0	0.0
	Black/African American ^a	50	7.3	53	7.5	71	9.7			174	8.2
	Hispanic/Latino	7	1.0	9	1.3	11	1.5			27	1.3
	White/Caucasian ^a	25	3.6	55	7.7	49	6.7			129	6.1
	Multiple Race	6	0.9	7	1.0	5	0.7			18	0.8
	Unknown	7	1.0	6	0.8	5	0.7			18	0.8
	Total	96	13.9	135	19.0	143	19.6			374	17.6
Total ^c	American Indian/Alaska Native ^a	6	0.9	10	1.4	9	1.2			25	1.2
	Asian/Pacific Islander ^a	2	0.3	3	0.4	4	0.5			9	0.4
	Black/African American ^a	401	58.2	411	57.9	396	54.2			1,208	56.7
	Hispanic/Latino	65	9.4	82	11.5	74	10.1			221	10.4
	White/Caucasian ^a	171	24.8	167	23.5	196	26.8			534	25.1
	Multiple Race	24	3.5	15	2.1	27	3.7			66	3.1
	Unknown	20	2.9	22	3.1	24	3.3			66	3.1
	Total	689	100.0	710	100.0	730	100.0			2,129	100.0

^aNon-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of November 1, 2021).

North Carolina HIV/STD Surveillance Report Vol. 2021, No.3

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-Sep	2020 Jan-Sep	2021 Jan-Sep	2019 Jan-Sep	2020 Jan-Sep	2021 Jan-Sep	2019 Jan-Sep	2020 Jan-Sep	2021 Jan-Sep	2019 Jan-Sep	2020 Jan-Sep	2021 Jan-Sep
ALAMANCE	826	690	746	194	241	363	10	22	29	17	13	11
ALEXANDER	63	82	49	37	38	22	0	1	2	0	1	0
ALLEGHANY	17	14	8	1	4	5	0	0	0	0	0	0
ANSON	183	161	154	56	79	70	1	0	3	2	0	4
ASHE	20	41	32	5	17	21	0	0	1	0	0	0
AVERY	31	20	19	4	5	1	0	0	0	0	0	0
BEAUFORT	213	246	218	96	119	110	2	2	2	2	0	1
BERTIE	89	94	90	41	42	60	0	3	1	3	2	2
BLADEN	124	138	97	86	80	64	2	1	2	0	1	0
BRUNSWICK	348	298	301	127	89	107	5	1	6	7	2	1
BUNCOMBE	930	848	768	330	442	356	25	18	30	10	13	14
BURKE	275	230	197	132	99	68	1	7	8	0	2	5
CABARRUS	938	902	984	234	265	314	11	10	12	11	10	16
CALDWELL	247	245	197	156	131	62	2	2	11	0	4	2
CAMDEN	21	15	15	6	6	6	0	0	0	0	0	1
CARTERET	181	166	111	31	40	35	2	2	0	2	1	2
CASWELL	68	69	63	13	24	46	3	1	4	0	1	2
CATAWBA	516	559	464	233	168	161	10	18	8	1	9	7
CHATHAM	173	131	157	30	38	43	1	2	4	0	3	1
CHEROKEE	32	26	34	18	15	7	1	0	0	0	0	0
CHOWAN	70	68	70	56	19	36	3	0	1	2	0	0
CLAY	17	12	12	4	9	5	0	1	0	0	0	0
CLEVELAND	477	501	560	251	247	226	5	3	15	3	5	4
COLUMBUS	248	236	226	110	84	117	4	1	5	4	2	5
CRAVEN	609	479	413	133	145	161	7	3	2	6	2	5
CUMBERLAND	3,443	3,223	2,928	1,305	1,247	1,358	40	41	59	42	49	45
CURRITUCK	40	43	32	11	9	12	0	0	0	0	0	2
DARE	61	52	48	12	20	15	1	0	1	0	1	0
DAVIDSON	498	541	548	325	318	333	7	10	19	9	4	8
DAVIE	115	93	74	37	33	18	0	0	1	2	0	1
DUPLIN	256	257	263	82	68	77	1	3	3	0	3	2
DURHAM	2,250	1,806	1,614	833	916	700	76	74	76	61	51	37
EDGECOMBE	458	487	425	216	336	230	3	3	5	2	6	5
FORSYTH	2,421	2,202	1,590	1,158	1,067	924	45	30	56	31	20	19
FRANKLIN	260	233	199	128	119	75	1	3	2	3	3	7
GASTON	1,228	1,157	1,138	451	543	525	15	23	25	9	19	24
GATES	32	54	22	9	15	4	2	1	0	0	1	0
GRAHAM	15	21	6	2	0	3	0	0	0	0	0	0
GRANVILLE	322	238	257	128	118	128	8	6	2	5	3	3
GREENE	132	139	88	42	58	31	1	1	3	3	0	4
GUILFORD	4,023	3,378	2,980	1,700	1,574	1,576	59	73	125	76	60	79
HALIFAX	356	365	332	164	212	196	3	10	8	3	8	3
HARNETT	619	535	570	208	222	203	5	2	13	6	4	13
HAYWOOD	131	115	101	53	63	30	2	3	4	1	0	0
HENDERSON	261	235	220	111	115	76	1	4	10	0	4	3
HERTFORD	143	174	108	52	63	51	1	0	0	2	1	0
HOKE	320	287	293	132	118	118	3	1	6	6	2	5
HYDE	5	8	5	2	3	3	0	0	0	0	0	0
IREDELL	573	510	539	176	249	225	8	6	12	9	8	6
JACKSON	196	137	160	39	43	35	2	1	0	0	0	0
JOHNSTON	729	682	704	245	255	243	10	13	21	10	6	12
JONES	40	35	43	17	8	22	0	0	0	0	0	0

Continued

Data Source: North Carolina Electronic Disease Surveillance System (data as of November 1, 2021).

North Carolina HIV/STD Surveillance Report Vol. 2021, No.3

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-Sep	2020 Jan-Sep	2021 Jan-Sep	2019 Jan-Sep	2020 Jan-Sep	2021 Jan-Sep	2019 Jan-Sep	2020 Jan-Sep	2021 Jan-Sep	2019 Jan-Sep	2020 Jan-Sep	2021 Jan-Sep
LEE	262	235	228	62	85	102	3	7	5	1	6	2
LENOIR	433	431	410	170	204	205	3	5	6	2	3	2
LINCOLN	218	273	200	70	90	64	2	3	5	2	4	1
MACON	58	58	60	18	26	22	0	1	1	2	0	1
MADISON	51	40	36	9	19	9	1	0	1	0	2	0
MARTIN	151	128	110	46	50	43	3	2	1	4	4	0
MCDOWELL	126	109	80	68	62	38	0	5	4	1	2	2
MECKLENBURG	7,550	6,985	7,167	2,497	3,145	3,265	176	199	284	162	204	254
MITCHELL	32	30	13	4	5	7	0	0	1	0	0	0
MONTGOMERY	97	90	101	29	42	60	0	1	1	0	1	3
MOORE	327	244	283	98	80	109	0	2	6	2	3	1
NASH	573	535	531	284	385	325	9	10	5	7	9	10
NEW HANOVER	996	699	837	340	188	247	18	9	19	17	15	13
NORTHAMPTON	130	115	89	51	61	38	2	0	1	0	0	1
ONSLow	1,831	1,626	1,327	379	334	365	12	11	8	10	13	8
ORANGE	554	410	522	139	116	136	7	15	10	9	9	4
PAMLICO	36	22	30	6	14	12	0	1	0	0	0	0
PASQUOTANK	226	235	169	121	79	100	0	1	2	2	2	1
PENDER	152	149	122	38	36	29	2	1	5	0	1	2
PERQUIMANS	44	43	36	33	19	21	0	0	0	0	0	1
PERSON	163	168	208	35	54	99	6	3	4	1	2	2
PITT	1,652	1,427	1,327	602	645	583	12	16	23	15	8	17
POLK	27	27	25	18	9	10	1	4	0	1	0	0
RANDOLPH	444	448	404	116	159	146	2	1	3	1	5	3
RICHMOND	350	303	280	196	148	138	5	2	7	0	0	0
ROBESON	983	944	914	537	514	517	10	7	10	12	5	17
ROCKINGHAM	352	290	274	146	150	125	1	6	6	2	2	4
ROWAN	690	619	562	297	260	229	8	7	10	13	7	5
RUTHERFORD	225	211	212	139	96	119	4	1	6	0	1	6
SAMPSON	323	261	253	100	111	72	3	2	4	1	6	3
SCOTLAND	266	232	213	138	98	104	3	1	4	2	4	1
STANLY	215	172	235	61	92	82	2	2	1	0	4	1
STOKES	82	93	81	32	33	32	1	2	4	0	0	0
SURRY	153	133	141	50	60	69	1	2	0	0	1	0
SWAIN	94	48	43	30	21	19	0	0	1	0	0	0
TRANSYLVANIA	66	58	55	35	21	12	1	2	2	1	1	1
TYRRELL	12	11	10	3	4	1	0	0	0	0	0	0
UNION	801	720	683	214	206	213	11	10	9	7	14	9
VANCE	356	365	331	226	174	162	7	14	8	4	5	5
WAKE	4,970	4,340	3,798	1,647	1,603	1,530	119	138	138	108	114	125
WARREN	95	77	73	47	45	46	2	2	2	3	0	0
WASHINGTON	64	59	64	21	17	22	0	0	1	0	1	0
WATAUGA	209	162	82	18	22	4	0	3	3	2	1	1
WAYNE	754	608	676	255	205	259	9	21	8	4	12	7
WILKES	141	139	145	37	34	70	0	0	5	0	1	0
WILSON	677	584	658	251	369	310	8	13	13	9	5	18
YADKIN	67	77	62	16	17	13	1	1	3	0	0	0
YANCEY	17	19	24	7	4	9	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	53,738	48,330	45,456	19,758	20,449	19,869	844	939	1,237	757	801	892

Data Source: North Carolina Electronic Disease Surveillance System (data as of November 1, 2021).

North Carolina HIV/STD Surveillance Report Vol. 2021, No.3

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

COUNTY	2019 Jan-Sep	2020 Jan-Sep	2021 Jan-Sep
ALAMANCE	17	11	18
ALEXANDER	0	1	0
ALLEGHANY	0	0	2
ANSON	1	1	0
ASHE	0	0	1
AVERY	0	1	1
BEAUFORT	5	5	5
BERTIE	2	2	4
BLADEN	2	2	3
BRUNSWICK	5	2	5
BUNCOMBE	11	8	15
BURKE	4	4	5
CABARRUS	19	9	18
CALDWELL	4	1	1
CAMDEN	0	0	1
CARTERET	0	5	5
CASWELL	4	1	2
CATAWBA	9	4	5
CHATHAM	0	1	6
CHEROKEE	4	1	0
CHOWAN	0	0	1
CLAY	0	0	0
CLEVELAND	9	6	5
COLUMBUS	5	3	3
Craven	4	2	8
CUMBERLAND	54	44	62
CURRITUCK	1	1	0
DARE	0	0	0
DAVIDSON	8	11	8
DAVIE	1	1	4
DUPLIN	3	1	5
DURHAM	53	36	45
EDGECOMBE	6	7	7
FORSYTH	67	34	51
FRANKLIN	2	2	4
GASTON	23	23	24
GATES	0	1	1
GRAHAM	0	0	0
GRANVILLE	7	4	6
GREENE	1	1	3
GUILFORD	90	68	105
HALIFAX	5	6	3
HARNETT	17	6	8
HAYWOOD	2	1	1
HENDERSON	5	2	9
HERTFORD	0	1	1
HOKE	4	4	7
HYDE	0	0	1
IREDELL	13	10	15
JACKSON	1	1	0
JOHNSTON	13	7	9

COUNTY	2019 Jan-Sep	2020 Jan-Sep	2021 Jan-Sep
JONES	0	0	2
LEE	6	2	2
LENOIR	4	3	7
LINCOLN	1	2	5
MACON	2	4	1
MADISON	0	0	0
MARTIN	4	5	4
MCDOWELL	2	0	1
MECKLENBURG	194	145	220
MITCHELL	0	0	1
MONTGOMERY	1	5	0
MOORE	2	5	3
NASH	13	8	13
NEW HANOVER	24	17	24
NORTHAMPTON	3	0	0
ONslow	19	19	8
ORANGE	9	10	3
PAMLICO	1	0	2
PASQUOTANK	5	4	5
PENDER	0	3	2
PERQUIMANS	0	0	0
PERSON	1	1	4
PITT	32	11	20
POLK	0	2	0
RANDOLPH	11	6	8
RICHMOND	4	4	4
ROBESON	22	16	16
ROCKINGHAM	7	3	2
ROWAN	12	8	9
RUTHERFORD	0	1	1
SAMPSON	7	5	5
SCOTLAND	8	6	2
STANLY	2	1	2
STOKES	2	1	2
SURRY	6	4	0
SWAIN	0	0	0
TRANSYLVANIA	0	2	2
TYRRELL	0	0	0
UNION	9	10	6
VANCE	5	5	4
WAKE	95	91	123
WARREN	0	5	1
WASHINGTON	1	3	1
WATAUGA	2	1	0
WAYNE	14	7	13
WILKES	1	3	1
WILSON	12	13	11
YADKIN	1	2	1
YANCEY	0	0	0
UNASSIGNED*	15	10	11
TOTAL	1,040	795	1,045

* 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 November 1, 2021).

North Carolina HIV/STD Surveillance Report Vol. 2021, No.3

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-Sep	2020 Jan-Sep	2021 Jan-Sep
ALAMANCE	6	4	11
ALEXANDER	0	1	1
ALLEGHANY	0	0	2
ANSON	1	0	0
ASHE	0	0	0
AVERY	0	0	0
BEAUFORT	1	1	4
BERTIE	4	1	0
BLADEN	3	2	1
BRUNSWICK	1	0	1
BUNCOMBE	5	6	7
BURKE	3	1	1
CABARRUS	2	5	2
CALDWELL	3	1	0
CAMDEN	0	0	1
CARTERET	0	2	2
CASWELL	2	0	0
CATAWBA	4	3	3
CHATHAM	1	1	1
CHEROKEE	0	0	0
CHOWAN	0	0	0
CLAY	0	0	0
CLEVELAND	2	2	1
COLUMBUS	3	2	2
CRAVEN	2	4	2
CUMBERLAND	29	36	37
CURRITUCK	1	2	0
DARE	0	1	0
DAVIDSON	3	6	2
DAVIE	2	0	3
DUPLIN	1	2	2
DURHAM	14	22	28
EDGECOMBE	8	7	3
FORSYTH	30	19	22
FRANKLIN	2	1	3
GASTON	6	6	2
GATES	0	0	0
GRAHAM	0	0	0
GRANVILLE	2	2	4
GREENE	2	0	2
GUILFORD	24	26	17
HALIFAX	2	1	3
HARNETT	4	3	0
HAYWOOD	0	1	1
HENDERSON	2	1	4
HERTFORD	1	3	1
HOKE	4	2	3
HYDE	0	0	1
IREDELL	12	3	4
JACKSON	2	1	0
JOHNSTON	3	6	4
JONES	0	0	0
LEE	3	3	5

COUNTY	2019 Jan-Sep	2020 Jan-Sep	2021 Jan-Sep
LENOIR	3	4	1
LINCOLN	2	0	0
MACON	0	2	1
MADISON	0	0	0
MARTIN	2	1	4
MCDOWELL	0	0	0
MECKLENBURG	49	67	53
MITCHELL	0	1	1
MONTGOMERY	0	1	1
MOORE	6	1	4
NASH	5	6	6
NEW HANOVER	4	3	3
NORTHAMPTON	1	0	0
ONSLow	6	4	6
ORANGE	3	3	1
PAMLICO	0	0	1
PASQUOTANK	2	2	2
PENDER	0	2	2
PERQUIMANS	1	0	0
PERSON	0	1	1
PITT	17	8	10
POLK	0	0	0
RANDOLPH	3	4	1
RICHMOND	2	4	3
ROBESON	11	10	12
ROCKINGHAM	2	1	1
ROWAN	5	1	5
RUTHERFORD	0	2	1
SAMPSON	1	5	4
SCOTLAND	3	1	2
STANLY	0	2	2
STOKES	1	0	1
SURRY	2	3	0
SWAIN	0	0	0
TRANSYLVANIA	1	1	0
TYRRELL	0	0	0
UNION	2	5	2
VANCE	2	3	2
WAKE	34	39	62
WARREN	1	1	0
WASHINGTON	1	3	0
WATAUGA	1	0	0
WAYNE	4	3	2
WILKES	0	1	0
WILSON	8	5	7
YADKIN	0	1	0
YANCEY	0	0	0
UNASSIGNED*	8	7	0
TOTAL	393	398	397

* 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 November 1, 2021).