

North Carolina HIV/STD Quarterly Surveillance Report: Vol. 2021, 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. 2021, No. 2* presents statistics and trends of sexually transmitted diseases (including HIV and AIDS) in North Carolina from January 1 through June 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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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>.

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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					4	0.0
	0-9	3	0.0	2	0.0					5	0.0
	10-14	13	0.1	10	0.1					23	0.1
	15-19	940	5.8	759	5.8					1,699	5.8
	20-24	1,913	11.8	1,574	11.9					3,487	11.9
	25-29	1,092	6.8	920	7.0					2,012	6.9
	30-34	612	3.8	489	3.7					1,101	3.8
	35-39	266	1.6	229	1.7					495	1.7
	40-44	175	1.1	151	1.1					326	1.1
	45-54	140	0.9	114	0.9					254	0.9
	55-64	51	0.3	34	0.3					85	0.3
	65+	17	0.1	8	0.1					25	0.1
Total		5,222	32.3	4,294	32.6					9,516	32.4
Female	Unknown	5	0.0	1	0.0					6	0.0
	0-9	1	0.0	3	0.0					4	0.0
	10-14	95	0.6	71	0.5					166	0.6
	15-19	3,207	19.8	2,587	19.6					5,794	19.7
	20-24	4,198	26.0	3,436	26.1					7,634	26.0
	25-29	1,951	12.1	1,548	11.7					3,499	11.9
	30-34	877	5.4	675	5.1					1,552	5.3
	35-39	332	2.1	298	2.3					630	2.1
	40-44	153	0.9	133	1.0					286	1.0
	45-54	106	0.7	98	0.7					204	0.7
	55-64	23	0.1	25	0.2					48	0.2
	65+	3	0.0	6	0.0					9	0.0
Total		10,951	67.7	8,881	67.4					19,832	67.6
Total	Unknown	5	0.0	5	0.0					10	0.0
	0-9	4	0.0	5	0.0					9	0.0
	10-14	108	0.7	81	0.6					189	0.6
	15-19	4,147	25.6	3,346	25.4					7,493	25.5
	20-24	6,111	37.8	5,010	38.0					11,121	37.9
	25-29	3,043	18.8	2,468	18.7					5,511	18.8
	30-34	1,489	9.2	1,164	8.8					2,653	9.0
	35-39	598	3.7	527	4.0					1,125	3.8
	40-44	328	2.0	284	2.2					612	2.1
	45-54	246	1.5	212	1.6					458	1.6
	55-64	74	0.5	59	0.4					133	0.5
	65+	20	0.1	14	0.1					34	0.1
Total		16,173	100.0	13,175	100.0					29,348	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 2, 2021).

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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	39	0.2	24	0.2					63	0.2
	Asian/Pacific Islander ^a	25	0.2	14	0.1					39	0.1
	Black/African American ^a	1,562	9.7	1,351	10.3					2,913	9.9
	Hispanic/Latino	391	2.4	316	2.4					707	2.4
	White/Caucasian ^a	556	3.4	487	3.7					1,043	3.6
	Multiple Race	17	0.1	20	0.2					37	0.1
	Unknown	2,632	16.3	2,082	15.8					4,714	16.1
	Total	5,222	32.3	4,294	32.6					9,516	32.4
Female	American Indian/Alaska Native ^a	134	0.8	84	0.6					218	0.7
	Asian/Pacific Islander ^a	49	0.3	48	0.4					97	0.3
	Black/African American ^a	2,859	17.7	2,527	19.2					5,386	18.4
	Hispanic/Latino	1,027	6.4	931	7.1					1,958	6.7
	White/Caucasian ^a	1,760	10.9	1,394	10.6					3,154	10.7
	Multiple Race	34	0.2	32	0.2					66	0.2
	Unknown	5,088	31.5	3,865	29.3					8,953	30.5
	Total	10,951	67.7	8,881	67.4					19,832	67.6
Total	American Indian/Alaska Native ^a	173	1.1	108	0.8					281	1.0
	Asian/Pacific Islander ^a	74	0.5	62	0.5					136	0.5
	Black/African American ^a	4,421	27.3	3,878	29.4					8,299	28.3
	Hispanic/Latino	1,418	8.8	1,247	9.5					2,665	9.1
	White/Caucasian ^a	2,316	14.3	1,881	14.3					4,197	14.3
	Multiple Race	51	0.3	52	0.4					103	0.4
	Unknown	7,720	47.7	5,947	45.1					13,667	46.6
	Total	16,173	100.0	13,175	100.0					29,348	100.0

^aNon-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 2, 2021).

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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
	0-9	1	0.0	0	0.0					1	0.0
	10-14	8	0.1	7	0.1					15	0.1
	15-19	419	6.0	315	5.8					734	5.9
	20-24	998	14.2	797	14.7					1,795	14.4
	25-29	819	11.7	603	11.2					1,422	11.4
	30-34	579	8.2	458	8.5					1,037	8.3
	35-39	300	4.3	260	4.8					560	4.5
	40-44	192	2.7	145	2.7					337	2.7
	45-54	212	3.0	159	2.9					371	3.0
	55-64	117	1.7	69	1.3					186	1.5
	65+	25	0.4	14	0.3					39	0.3
Total		3,670	52.3	2,827	52.3					6,497	52.3
Female	Unknown	1	0.0	0	0.0					1	0.0
	0-9	1	0.0	1	0.0					2	0.0
	10-14	22	0.3	21	0.4					43	0.3
	15-19	727	10.4	553	10.2					1,280	10.3
	20-24	1,116	15.9	832	15.4					1,948	15.7
	25-29	714	10.2	533	9.9					1,247	10.0
	30-34	405	5.8	312	5.8					717	5.8
	35-39	201	2.9	167	3.1					368	3.0
	40-44	80	1.1	76	1.4					156	1.3
	45-54	59	0.8	66	1.2					125	1.0
	55-64	19	0.3	14	0.3					33	0.3
	65+	4	0.1	6	0.1					10	0.1
Total		3,349	47.7	2,581	47.7					5,930	47.7
Total ^a	Unknown	1	0.0	0	0.0					1	0.0
	0-9	2	0.0	1	0.0					3	0.0
	10-14	30	0.4	28	0.5					58	0.5
	15-19	1,146	16.3	868	16.1					2,014	16.2
	20-24	2,115	30.1	1,629	30.1					3,744	30.1
	25-29	1,533	21.8	1,136	21.0					2,669	21.5
	30-34	984	14.0	770	14.2					1,754	14.1
	35-39	501	7.1	427	7.9					928	7.5
	40-44	272	3.9	221	4.1					493	4.0
	45-54	271	3.9	225	4.2					496	4.0
	55-64	136	1.9	83	1.5					219	1.8
	65+	29	0.4	20	0.4					49	0.4
Total		7,020	100.0	5,408	100.0					12,428	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 August 2, 2021).

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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	17	0.3					57	0.5
	Asian/Pacific Islander ^a	14	0.2	13	0.2					27	0.2
	Black/African American ^a	1,638	23.3	1,268	23.4					2,906	23.4
	Hispanic/Latino	223	3.2	171	3.2					394	3.2
	White/Caucasian ^a	352	5.0	293	5.4					645	5.2
	Multiple Race	18	0.3	12	0.2					30	0.2
	Unknown	1,385	19.7	1,053	19.5					2,438	19.6
	Total	3,670	52.3	2,827	52.3					6,497	52.3
Female	American Indian/Alaska Native ^a	39	0.6	44	0.8					83	0.7
	Asian/Pacific Islander ^a	8	0.1	6	0.1					14	0.1
	Black/African American ^a	1,274	18.1	1,027	19.0					2,301	18.5
	Hispanic/Latino	167	2.4	164	3.0					331	2.7
	White/Caucasian ^a	482	6.9	380	7.0					862	6.9
	Multiple Race	15	0.2	16	0.3					31	0.2
	Unknown	1,364	19.4	944	17.5					2,308	18.6
	Total	3,349	47.7	2,581	47.7					5,930	47.7
Total ^b	American Indian/Alaska Native ^a	79	1.1	61	1.1					140	1.1
	Asian/Pacific Islander ^a	22	0.3	19	0.4					41	0.3
	Black/African American ^a	2,912	41.5	2,295	42.4					5,207	41.9
	Hispanic/Latino	390	5.6	335	6.2					725	5.8
	White/Caucasian ^a	834	11.9	673	12.4					1,507	12.1
	Multiple Race	33	0.5	28	0.5					61	0.5
	Unknown	2,750	39.2	1,997	36.9					4,747	38.2
	Total	7,020	100.0	5,408	100.0					12,428	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 August 2, 2021).

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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
	0-9	0	0.0	0	0.0					0	0.0
	10-14	0	0.0	0	0.0					0	0.0
	15-19	13	1.9	20	3.1					33	2.5
	20-24	101	14.9	75	11.6					176	13.3
	25-29	119	17.5	122	18.8					241	18.2
	30-34	101	14.9	114	17.6					215	16.2
	35-39	80	11.8	61	9.4					141	10.6
	40-44	44	6.5	38	5.9					82	6.2
	45-54	72	10.6	66	10.2					138	10.4
	55-64	48	7.1	34	5.2					82	6.2
	65+	7	1.0	2	0.3					9	0.7
	Total		585	86.2	532	82.1					1,117
Female	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	5	0.7	4	0.6					9	0.7
	20-24	14	2.1	16	2.5					30	2.3
	25-29	20	2.9	24	3.7					44	3.3
	30-34	18	2.7	26	4.0					44	3.3
	35-39	11	1.6	17	2.6					28	2.1
	40-44	5	0.7	15	2.3					20	1.5
	45-54	12	1.8	11	1.7					23	1.7
	55-64	6	0.9	3	0.5					9	0.7
	65+	3	0.4	0	0.0					3	0.2
	Total		94	13.8	116	17.9					210
Total	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	18	2.7	24	3.7					42	3.2
	20-24	115	16.9	91	14.0					206	15.5
	25-29	139	20.5	146	22.5					285	21.5
	30-34	119	17.5	140	21.6					259	19.5
	35-39	91	13.4	78	12.0					169	12.7
	40-44	49	7.2	53	8.2					102	7.7
	45-54	84	12.4	77	11.9					161	12.1
	55-64	54	8.0	37	5.7					91	6.9
	65+	10	1.5	2	0.3					12	0.9
	Total		679	100.0	648	100.0					1,327

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 2, 2021).

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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					8	0.6
	Asian/Pacific Islander ^a	1	0.1	3	0.5					4	0.3
	Black/African American ^a	347	51.1	332	51.2					679	51.2
	Hispanic/Latino	57	8.4	69	10.6					126	9.5
	White/Caucasian ^a	146	21.5	104	16.0					250	18.8
	Multiple Race	17	2.5	6	0.9					23	1.7
	Unknown	13	1.9	14	2.2					27	2.0
	Total	585	86.2	532	82.1					1,117	84.2
Female	American Indian/Alaska Native ^a	1	0.1	3	0.5					4	0.3
	Asian/Pacific Islander ^a	0	0.0	0	0.0					0	0.0
	Black/African American ^a	49	7.2	46	7.1					95	7.2
	Hispanic/Latino	7	1.0	8	1.2					15	1.1
	White/Caucasian ^a	24	3.5	47	7.3					71	5.4
	Multiple Race	6	0.9	7	1.1					13	1.0
	Unknown	7	1.0	5	0.8					12	0.9
	Total	94	13.8	116	17.9					210	15.8
Total ^c	American Indian/Alaska Native ^a	5	0.7	7	1.1					12	0.9
	Asian/Pacific Islander ^a	1	0.1	3	0.5					4	0.3
	Black/African American ^a	396	58.3	378	58.3					774	58.3
	Hispanic/Latino	64	9.4	77	11.9					141	10.6
	White/Caucasian ^a	170	25.0	151	23.3					321	24.2
	Multiple Race	23	3.4	13	2.0					36	2.7
	Unknown	20	2.9	19	2.9					39	2.9
	Total	679	100.0	648	100.0					1,327	100.0

^aNon-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 2, 2021).

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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-Jun	2020 Jan-Jun	2021 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun	2021 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun	2021 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun	2021 Jan-Jun
ALAMANCE	565	444	474	139	142	205	5	16	19	15	10	4
ALEXANDER	43	46	39	24	28	17	0	1	1	0	0	0
ALLEGHANY	14	9	6	1	1	2	0	0	0	0	0	0
ANSON	111	96	94	36	41	44	1	0	3	2	0	3
ASHE	16	18	28	3	6	8	0	0	1	0	0	0
AVERY	21	17	13	2	3	1	0	0	0	0	0	0
BEAUFORT	144	176	150	62	68	74	2	1	1	0	0	0
BERTIE	64	64	46	28	24	34	0	3	1	3	1	1
BLADEN	82	96	60	58	47	42	2	1	2	0	1	0
BRUNSWICK	228	190	188	88	50	58	2	1	5	7	2	1
BUNCOMBE	578	569	513	193	286	217	20	11	15	5	9	10
BURKE	192	140	156	86	60	48	0	5	7	0	0	4
CABARRUS	609	579	647	149	169	204	9	5	10	7	7	9
CALDWELL	156	148	132	105	84	42	0	1	5	0	3	1
CAMDEN	11	10	9	4	2	3	0	0	0	0	0	1
CARTERET	118	96	86	20	24	24	1	2	0	2	0	1
CASWELL	44	42	31	11	12	28	2	0	1	0	0	1
CATAWBA	345	336	338	163	102	99	4	12	3	0	4	4
CHATHAM	96	89	104	20	24	29	0	1	2	0	0	1
CHEROKEE	18	21	18	12	10	5	0	0	0	0	0	0
CHOWAN	36	42	43	31	10	21	2	0	1	2	0	0
CLAY	7	7	10	2	6	2	0	1	0	0	0	0
CLEVELAND	316	333	399	162	144	161	1	2	8	2	4	2
COLUMBUS	166	129	143	84	38	70	2	1	4	3	1	3
CRAVEN	380	330	287	94	92	116	3	1	1	2	2	4
CUMBERLAND	2,219	2,102	1,985	796	775	834	21	28	27	30	36	18
CURRITUCK	24	28	12	7	8	7	0	0	0	0	0	2
DARE	47	37	28	5	14	9	1	0	1	0	1	0
DAVIDSON	322	333	358	196	193	184	4	7	11	6	3	5
DAVIE	83	58	40	22	18	10	0	0	1	2	0	1
DUPLIN	182	151	178	52	44	49	0	2	2	0	3	0
DURHAM	1,434	1,178	715	561	582	322	49	52	50	40	36	26
EDGECOMBE	283	334	274	127	204	155	1	2	3	2	3	3
FORSYTH	1,595	1,399	892	728	633	483	22	19	34	22	11	10
FRANKLIN	180	159	117	79	77	47	0	2	1	2	2	5
GASTON	769	713	797	296	327	358	14	16	15	6	13	16
GATES	18	35	13	6	7	4	2	1	0	0	0	0
GRAHAM	9	15	4	1	0	2	0	0	0	0	0	0
GRANVILLE	208	161	145	79	73	69	6	2	2	5	1	2
GREENE	88	92	60	30	35	27	1	1	2	1	0	3
GUILFORD	2,730	2,119	2,020	1,072	933	1,045	37	46	86	47	40	57
HALIFAX	237	242	242	116	127	139	2	7	3	1	5	2
HARNETT	404	349	380	137	141	143	3	1	6	4	2	5
HAYWOOD	81	75	68	35	41	21	1	3	2	0	0	0
HENDERSON	191	162	144	65	85	47	1	2	8	0	1	3
HERTFORD	109	121	83	40	39	39	1	0	0	2	1	0
HOKE	213	185	137	83	74	49	3	0	2	6	1	3
HYDE	3	5	5	1	2	2	0	0	0	0	0	0
IREDELL	383	301	363	116	161	145	4	3	7	3	7	2
JACKSON	121	96	113	26	28	26	2	0	0	0	0	0
JOHNSTON	476	426	442	141	163	153	4	9	15	9	5	9
JONES	27	23	28	12	6	15	0	0	0	0	0	0

Continued

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 2, 2021).

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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-Jun	2020 Jan-Jun	2021 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun	2021 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun	2021 Jan-Jun	2019 Jan-Jun	2020 Jan-Jun	2021 Jan-Jun
LEE	167	156	156	35	53	75	1	4	0	0	3	2
LENOIR	283	270	287	105	127	136	3	2	4	2	3	1
LINCOLN	147	165	127	32	58	38	2	2	4	0	2	0
MACON	38	37	43	8	16	16	0	0	1	1	0	0
MADISON	42	22	28	6	10	5	1	0	1	0	0	0
MARTIN	96	81	80	26	30	32	2	1	1	3	4	0
MCDOWELL	77	73	57	37	40	24	0	3	2	0	2	2
MECKLENBURG	4,856	4,425	4,704	1,601	1,885	2,152	113	131	186	114	123	162
MITCHELL	26	16	10	3	4	4	0	0	1	0	0	0
MONTGOMERY	57	56	62	17	23	37	0	0	1	0	1	1
MOORE	201	152	205	60	39	76	0	2	3	2	3	1
NASH	366	335	345	180	256	220	7	7	4	3	6	6
NEW HANOVER	680	456	579	238	127	164	11	6	11	10	8	7
NORTHAMPTON	87	72	40	36	33	16	1	0	1	0	0	0
ONSLow	1,167	1,073	958	232	224	198	8	7	6	8	10	6
ORANGE	362	291	349	79	77	79	7	7	8	6	5	2
PAMLICO	20	19	19	3	12	7	0	1	0	0	0	0
PASQUOTANK	142	164	124	87	52	75	0	0	1	2	2	1
PENDER	105	89	81	18	25	20	1	1	2	0	1	0
PERQUIMANS	29	31	24	24	13	13	0	0	0	0	0	1
PERSON	108	108	155	26	27	73	1	2	1	1	2	2
PITT	1,155	932	883	356	381	375	11	6	14	9	6	10
POLK	15	19	19	8	2	7	0	3	0	0	0	0
RANDOLPH	278	293	264	76	93	98	0	1	2	0	4	1
RICHMOND	231	186	186	132	69	94	3	1	1	0	0	0
ROBESON	605	606	621	363	312	328	9	5	4	3	3	5
ROCKINGHAM	229	171	181	105	89	79	1	5	4	1	2	3
ROWAN	458	388	375	194	173	139	4	6	9	11	2	3
RUTHERFORD	139	120	147	82	53	78	3	0	5	0	1	2
SAMPSON	232	160	163	70	54	51	3	1	3	1	3	3
SCOTLAND	169	144	139	86	49	63	3	0	3	1	4	1
STANLY	131	108	149	45	47	54	0	0	1	0	2	1
STOKES	44	48	53	18	19	20	0	0	3	0	0	0
SURRY	93	84	96	28	38	47	0	2	0	0	0	0
SWAIN	56	33	25	21	13	14	0	0	0	0	0	0
TRANSYLVANIA	46	39	38	26	11	10	1	1	2	0	0	1
TYRRELL	8	5	5	2	2	1	0	0	0	0	0	0
UNION	546	441	478	137	124	144	9	8	2	3	9	4
VANCE	228	219	219	148	99	109	5	10	6	3	2	4
WAKE	3,311	2,793	2,019	1,085	958	829	77	92	93	71	66	77
WARREN	65	50	49	34	24	29	2	1	2	1	0	0
WASHINGTON	41	35	40	12	10	16	0	0	1	0	1	0
WATAUGA	146	107	55	12	16	2	0	0	2	2	0	0
WAYNE	507	380	482	183	125	178	7	13	5	2	8	3
WILKES	86	94	92	29	18	48	0	0	5	0	0	0
WILSON	428	382	435	158	234	203	8	7	8	5	4	10
YADKIN	44	55	32	12	8	11	1	1	2	0	0	0
YANCEY	9	14	13	5	1	3	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	35,152	30,923	29,348	12,686	12,416	12,428	540	607	783	503	507	544

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 2, 2021).

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

COUNTY	2019 Jan-Jun	2020 Jan-Jun	2021 Jan-Jun
ALAMANCE	4	2	9
ALEXANDER	0	1	1
ALLEGHANY	0	0	2
ANSON	1	0	0
ASHE	0	0	0
AVERY	0	0	0
BEAUFORT	1	1	3
BERTIE	3	1	0
BLADEN	0	1	1
BRUNSWICK	0	0	1
BUNCOMBE	4	3	4
BURKE	1	1	1
CABARRUS	2	0	2
CALDWELL	3	1	0
CAMDEN	0	0	1
CARTERET	0	1	0
CASWELL	1	0	0
CATAWBA	2	3	2
CHATHAM	1	0	0
CHEROKEE	0	0	0
CHOWAN	0	0	0
CLAY	0	0	0
CLEVELAND	2	2	1
COLUMBUS	2	1	1
Craven	2	3	1
CUMBERLAND	17	29	24
CURRITUCK	1	1	0
DARE	0	0	0
DAVIDSON	3	4	1
DAVIE	1	0	2
DUPLIN	1	2	2
DURHAM	7	12	21
EDGECOMBE	6	5	2
FORSYTH	25	13	16
FRANKLIN	2	1	3
GASTON	5	4	1
GATES	0	0	0
GRAHAM	0	0	0
GRANVILLE	1	1	2
GREENE	1	0	1
GUILFORD	18	15	12
HALIFAX	0	1	3
HARNETT	1	3	0
HAYWOOD	0	1	1
HENDERSON	2	0	2
HERTFORD	1	3	1
HOKE	4	2	2
HYDE	0	0	0
IREDELL	11	3	3
JACKSON	2	0	0
JOHNSTON	3	5	1

COUNTY	2019 Jan-Jun	2020 Jan-Jun	2021 Jan-Jun
JONES	0	0	1
LEE	5	1	1
LENOIR	2	3	4
LINCOLN	1	2	2
MACON	1	4	0
MADISON	0	0	0
MARTIN	1	2	4
MCDOWELL	1	0	0
MECKLENBURG	127	89	150
MITCHELL	0	0	1
MONTGOMERY	0	3	0
MOORE	2	3	2
NASH	8	5	11
NEW HANOVER	18	11	20
NORTHAMPTON	2	0	0
ONslow	8	12	4
ORANGE	7	5	3
PAMLICO	1	0	2
PASQUOTANK	5	4	3
PENDER	0	3	2
PERQUIMANS	0	0	0
PERSON	0	0	2
PITT	25	5	14
POLK	0	2	0
RANDOLPH	8	4	8
RICHMOND	3	2	3
ROBESON	15	10	7
ROCKINGHAM	4	1	1
ROWAN	8	4	9
RUTHERFORD	0	0	1
SAMPSON	3	3	3
SCOTLAND	7	6	3
STANLY	1	1	1
STOKES	2	1	1
SURRY	5	3	0
SWAIN	0	0	0
TRANSYLVANIA	0	0	1
TYRRELL	0	0	0
UNION	6	6	4
VANCE	5	3	4
WAKE	63	65	80
WARREN	0	3	1
WASHINGTON	1	3	1
WATAUGA	1	0	0
WAYNE	10	3	11
WILKES	0	2	1
WILSON	9	8	5
YADKIN	1	2	0
YANCEY	0	0	0
UNASSIGNED*	6	7	10
TOTAL	692	530	701

* 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 2, 2021).

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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-Jun	2020 Jan-Jun	2021 Jan-Jun
ALAMANCE	4	2	9
ALEXANDER	0	1	1
ALLEGHANY	0	0	2
ANSON	1	0	0
ASHE	0	0	0
AVERY	0	0	0
BEAUFORT	1	1	3
BERTIE	3	1	0
BLADEN	0	1	1
BRUNSWICK	0	0	1
BUNCOMBE	4	3	4
BURKE	1	1	1
CABARRUS	2	0	2
CALDWELL	3	1	0
CAMDEN	0	0	1
CARTERET	0	1	0
CASWELL	1	0	0
CATAWBA	2	3	2
CHATHAM	1	0	0
CHEROKEE	0	0	0
CHOWAN	0	0	0
CLAY	0	0	0
CLEVELAND	2	2	1
COLUMBUS	2	1	1
Craven	2	3	1
CUMBERLAND	17	29	24
CURRITUCK	1	1	0
DARE	0	0	0
DAVIDSON	3	4	1
DAVIE	1	0	2
DUPLIN	1	2	2
DURHAM	7	12	21
EDGECOMBE	6	5	2
FORSYTH	25	13	16
FRANKLIN	2	1	3
GASTON	5	4	1
GATES	0	0	0
GRAHAM	0	0	0
GRANVILLE	1	1	2
GREENE	1	0	1
GUILFORD	18	15	12
HALIFAX	0	1	3
HARNETT	1	3	0
HAYWOOD	0	1	1
HENDERSON	2	0	2
HERTFORD	1	3	1
HOKE	4	2	2
HYDE	0	0	0
IREDELL	11	3	3
JACKSON	2	0	0
JOHNSTON	3	5	1
JONES	0	0	0
LEE	1	0	2

COUNTY	2019 Jan-Jun	2020 Jan-Jun	2021 Jan-Jun
LENOIR	3	3	0
LINCOLN	2	0	0
MACON	0	2	1
MADISON	0	0	0
MARTIN	1	1	3
MCDOWELL	0	0	0
MECKLENBURG	35	44	33
MITCHELL	0	1	1
MONTGOMERY	0	0	1
MOORE	5	1	2
NASH	3	3	5
NEW HANOVER	3	3	3
NORTHAMPTON	0	0	0
ONSLow	4	4	5
ORANGE	2	0	1
PAMLICO	0	0	1
PASQUOTANK	2	2	1
PENDER	0	2	2
PERQUIMANS	1	0	0
PERSON	0	1	1
PITT	12	6	9
POLK	0	0	0
RANDOLPH	0	0	0
RICHMOND	1	3	3
ROBESON	8	8	6
ROCKINGHAM	0	1	0
ROWAN	4	1	2
RUTHERFORD	0	1	1
SAMPSON	0	3	3
SCOTLAND	2	1	2
STANLY	0	1	2
STOKES	1	0	0
SURRY	0	2	0
SWAIN	0	0	0
TRANSYLVANIA	1	0	0
TYRRELL	0	0	0
UNION	2	3	1
VANCE	2	2	2
WAKE	21	25	35
WARREN	1	1	0
WASHINGTON	1	3	0
WATAUGA	1	0	0
WAYNE	4	2	2
WILKES	0	0	0
WILSON	4	3	3
YADKIN	0	1	0
YANCEY	0	0	0
UNASSIGNED*	7	5	0
TOTAL	275	265	263

* 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 2, 2021).