

North Carolina HIV/STD Quarterly Surveillance Report: Vol. 2023, 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.

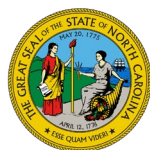
If you have questions or comments, please contact us at the address or phone number above.

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. 2023, No. 3* presents statistics and trends of sexually transmitted diseases (including HIV and AIDS) in North Carolina from January 1 through September 30, 2023. 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 (<https://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>).



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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 2023. 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, 2023

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2023 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	Unknown	2	0.0	0	0.0	0	0.0			2	0.0
	0-9	2	0.0	0	0.0	1	0.0			3	0.0
	10-14	14	0.1	8	0.0	20	0.1			42	0.1
	15-19	1,078	6.3	1,054	6.5	1,127	7.2			3,259	6.7
	20-24	2,062	12.0	1,889	11.7	1,801	11.5			5,752	11.7
	25-29	1,184	6.9	1,062	6.6	1,020	6.5			3,266	6.7
	30-34	673	3.9	704	4.4	649	4.1			2,026	4.1
	35-39	349	2.0	345	2.1	364	2.3			1,058	2.2
	40-44	181	1.1	184	1.1	179	1.1			544	1.1
	45-54	192	1.1	177	1.1	199	1.3			568	1.2
	55-64	88	0.5	86	0.5	86	0.5			260	0.5
	65+	26	0.2	16	0.1	16	0.1			58	0.1
	Total	5,851	34.1	5,525	34.3	5,462	34.9			16,838	34.4
Female	Unknown	3	0.0	3	0.0	0	0.0			6	0.0
	0-9	6	0.0	4	0.0	1	0.0			11	0.0
	10-14	79	0.5	84	0.5	91	0.6			254	0.5
	15-19	3,311	19.3	3,071	19.1	3,147	20.1			9,529	19.5
	20-24	4,278	24.9	4,031	25.0	3,551	22.7			11,860	24.2
	25-29	1,890	11.0	1,720	10.7	1,690	10.8			5,300	10.8
	30-34	965	5.6	880	5.5	924	5.9			2,769	5.7
	35-39	411	2.4	403	2.5	415	2.6			1,229	2.5
	40-44	209	1.2	190	1.2	192	1.2			591	1.2
	45-54	134	0.8	146	0.9	144	0.9			424	0.9
	55-64	38	0.2	44	0.3	31	0.2			113	0.2
	65+	6	0.0	14	0.1	13	0.1			33	0.1
	Total	11,330	65.9	10,590	65.7	10,199	65.1			32,119	65.6
Total	Unknown	5	0.0	3	0.0	0	0.0			8	0.0
	0-9	8	0.0	4	0.0	2	0.0			14	0.0
	10-14	93	0.5	92	0.6	111	0.7			296	0.6
	15-19	4,389	25.5	4,125	25.6	4,274	27.3			12,788	26.1
	20-24	6,340	36.9	5,920	36.7	5,352	34.2			17,612	36.0
	25-29	3,074	17.9	2,782	17.3	2,710	17.3			8,566	17.5
	30-34	1,638	9.5	1,584	9.8	1,573	10.0			4,795	9.8
	35-39	760	4.4	748	4.6	779	5.0			2,287	4.7
	40-44	390	2.3	374	2.3	371	2.4			1,135	2.3
	45-54	326	1.9	323	2.0	343	2.2			992	2.0
	55-64	126	0.7	130	0.8	117	0.7			373	0.8
	65+	32	0.2	30	0.2	29	0.2			91	0.2
	Total	17,181	100.0	16,115	100.0	15,661	100.0			48,957	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of November 6, 2023).

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Table 2. North Carolina Newly Diagnosed Chlamydia Infections by Gender and Race/Ethnicity, 2023

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2023 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native ^a	94	0.5	89	0.6	79	0.5			262	0.5
	Asian/Pacific Islander ^a	21	0.1	32	0.2	40	0.3			93	0.2
	Black/African American ^a	2,417	14.1	2,324	14.4	2,500	16.0			7,241	14.8
	Hispanic/Latino	548	3.2	573	3.6	559	3.6			1,680	3.4
	White/Caucasian ^a	798	4.6	736	4.6	726	4.6			2,260	4.6
	Multiple Race	47	0.3	33	0.2	31	0.2			111	0.2
	Unknown	1,926	11.2	1,738	10.8	1,527	9.8			5,191	10.6
	Total	5,851	34.1	5,525	34.3	5,462	34.9			16,838	34.4
Female	American Indian/Alaska Native ^a	228	1.3	224	1.4	207	1.3			659	1.3
	Asian/Pacific Islander ^a	73	0.4	77	0.5	73	0.5			223	0.5
	Black/African American ^a	4,046	23.5	3,911	24.3	4,016	25.6			11,973	24.5
	Hispanic/Latino	1,497	8.7	1,412	8.8	1,358	8.7			4,267	8.7
	White/Caucasian ^a	1,902	11.1	1,830	11.4	1,790	11.4			5,522	11.3
	Multiple Race	67	0.4	65	0.4	58	0.4			190	0.4
	Unknown	3,517	20.5	3,071	19.1	2,697	17.2			9,285	19.0
	Total	11,330	65.9	10,590	65.7	10,199	65.1			32,119	65.6
Total	American Indian/Alaska Native ^a	322	1.9	313	1.9	286	1.8			921	1.9
	Asian/Pacific Islander ^a	94	0.5	109	0.7	113	0.7			316	0.6
	Black/African American ^a	6,463	37.6	6,235	38.7	6,516	41.6			19,214	39.2
	Hispanic/Latino	2,045	11.9	1,985	12.3	1,917	12.2			5,947	12.1
	White/Caucasian ^a	2,700	15.7	2,566	15.9	2,516	16.1			7,782	15.9
	Multiple Race	114	0.7	98	0.6	89	0.6			301	0.6
	Unknown	5,443	31.7	4,809	29.8	4,224	27.0			14,476	29.6
	Total	17,181	100.0	16,115	100.0	15,661	100.0			48,957	100.0

^aNon-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of November 6, 2023).

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Table 3. North Carolina Newly Diagnosed Gonorrhea Infections by Gender and Age, 2023

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2023 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	Unknown	0	0.0	0	0.0	1	0.0			1	0.0
	0-9	2	0.0	0	0.0	0	0.0			2	0.0
	10-14	6	0.1	4	0.1	7	0.1			17	0.1
	15-19	461	7.1	439	6.7	496	7.6			1,396	7.1
	20-24	908	13.9	930	14.2	880	13.5			2,718	13.9
	25-29	800	12.3	764	11.7	731	11.2			2,295	11.7
	30-34	567	8.7	615	9.4	634	9.7			1,816	9.3
	35-39	317	4.9	343	5.2	359	5.5			1,019	5.2
	40-44	194	3.0	197	3.0	227	3.5			618	3.2
	45-54	218	3.3	237	3.6	254	3.9			709	3.6
	55-64	111	1.7	120	1.8	144	2.2			375	1.9
	65+	35	0.5	31	0.5	39	0.6			105	0.5
Total		3,619	55.5	3,680	56.1	3,772	58.0			11,071	56.5
Female	Unknown	0	0.0	0	0.0	0	0.0			0	0.0
	0-9	0	0.0	3	0.0	0	0.0			3	0.0
	10-14	25	0.4	18	0.3	29	0.4			72	0.4
	15-19	708	10.9	711	10.8	699	10.7			2,118	10.8
	20-24	968	14.8	981	15.0	843	13.0			2,792	14.3
	25-29	522	8.0	484	7.4	486	7.5			1,492	7.6
	30-34	312	4.8	319	4.9	296	4.5			927	4.7
	35-39	175	2.7	184	2.8	169	2.6			528	2.7
	40-44	105	1.6	85	1.3	111	1.7			301	1.5
	45-54	71	1.1	68	1.0	80	1.2			219	1.1
	55-64	15	0.2	21	0.3	20	0.3			56	0.3
	65+	3	0.0	2	0.0	2	0.0			7	0.0
Total		2,904	44.5	2,876	43.9	2,735	42.0			8,515	43.5
Total ^a	Unknown	0	0.0	0	0.0	1	0.0			1	0.0
	0-9	2	0.0	3	0.0	0	0.0			5	0.0
	10-14	31	0.5	22	0.3	36	0.6			89	0.5
	15-19	1,169	17.9	1,150	17.5	1,195	18.4			3,514	17.9
	20-24	1,877	28.8	1,911	29.1	1,723	26.5			5,511	28.1
	25-29	1,322	20.3	1,248	19.0	1,217	18.7			3,787	19.3
	30-34	879	13.5	934	14.2	930	14.3			2,743	14.0
	35-39	492	7.5	527	8.0	528	8.1			1,547	7.9
	40-44	299	4.6	282	4.3	338	5.2			919	4.7
	45-54	289	4.4	305	4.7	334	5.1			928	4.7
	55-64	126	1.9	141	2.2	164	2.5			431	2.2
	65+	38	0.6	33	0.5	41	0.6			112	0.6
Total		6,524	100.0	6,556	100.0	6,507	100.0			19,587	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 6, 2023).

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Table 4. North Carolina Newly Diagnosed Gonorrhea Infections by Gender and Race/Ethnicity, 2023

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2023 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native ^a	46	0.7	64	1.0	59	0.9			169	0.9
	Asian/Pacific Islander ^a	18	0.3	17	0.3	31	0.5			66	0.3
	Black/African American ^a	1,899	29.1	2,041	31.1	2,140	32.9			6,080	31.0
	Hispanic/Latino	240	3.7	259	4.0	252	3.9			751	3.8
	White/Caucasian ^a	416	6.4	443	6.8	485	7.5			1,344	6.9
	Multiple Race	37	0.6	31	0.5	40	0.6			108	0.6
	Unknown	963	14.8	825	12.6	765	11.8			2,553	13.0
	Total	3,619	55.5	3,680	56.1	3,772	58.0			11,071	56.5
Female	American Indian/Alaska Native ^a	67	1.0	75	1.1	63	1.0			205	1.0
	Asian/Pacific Islander ^a	14	0.2	15	0.2	9	0.1			38	0.2
	Black/African American ^a	1,372	21.0	1,415	21.6	1,448	22.3			4,235	21.6
	Hispanic/Latino	149	2.3	160	2.4	123	1.9			432	2.2
	White/Caucasian ^a	463	7.1	458	7.0	484	7.4			1,405	7.2
	Multiple Race	25	0.4	31	0.5	23	0.4			79	0.4
	Unknown	814	12.5	722	11.0	585	9.0			2,121	10.8
	Total	2,904	44.5	2,876	43.9	2,735	42.0			8,515	43.5
Total ^b	American Indian/Alaska Native ^a	113	1.7	139	2.1	122	1.9			374	1.9
	Asian/Pacific Islander ^a	32	0.5	32	0.5	40	0.6			104	0.5
	Black/African American ^a	3,271	50.1	3,456	52.7	3,588	55.1			10,315	52.7
	Hispanic/Latino	389	6.0	419	6.4	375	5.8			1,183	6.0
	White/Caucasian ^a	879	13.5	901	13.7	969	14.9			2,749	14.0
	Multiple Race	62	1.0	62	0.9	63	1.0			187	1.0
	Unknown	1,778	27.3	1,547	23.6	1,350	20.7			4,675	23.9
	Total	6,524	100.0	6,556	100.0	6,507	100.0			19,587	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 6, 2023).

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Table 5. North Carolina Newly Diagnosed Early Syphilis (Primary, Secondary, and Early Latent) Infections by Gender and Age, 2023

Gender	Age Group	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2023 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	19	1.9	20	2.1	17	2.0			56	2.0
	20-24	114	11.1	100	10.7	100	11.7			314	11.1
	25-29	149	14.5	121	12.9	100	11.7			370	13.1
	30-34	166	16.2	139	14.8	114	13.3			419	14.9
	35-39	85	8.3	99	10.6	78	9.1			262	9.3
	40-44	69	6.7	63	6.7	64	7.5			196	7.0
	45-54	107	10.4	89	9.5	85	9.9			281	10.0
	55-64	61	6.0	65	6.9	57	6.7			183	6.5
	65+	19	1.9	14	1.5	19	2.2			52	1.8
Total		789	77.0	710	75.7	634	74.2			2,133	75.7
Female	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	21	2.0	12	1.3	11	1.3			44	1.6
	20-24	47	4.6	39	4.2	42	4.9			128	4.5
	25-29	56	5.5	43	4.6	48	5.6			147	5.2
	30-34	32	3.1	37	3.9	39	4.6			108	3.8
	35-39	27	2.6	39	4.2	27	3.2			93	3.3
	40-44	15	1.5	23	2.5	22	2.6			60	2.1
	45-54	21	2.0	27	2.9	15	1.8			63	2.2
	55-64	15	1.5	5	0.5	13	1.5			33	1.2
	65+	2	0.2	3	0.3	4	0.5			9	0.3
Total		236	23.0	228	24.3	221	25.8			685	24.3
Total	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	40	3.9	32	3.4	28	3.3			100	3.5
	20-24	161	15.7	139	14.8	142	16.6			442	15.7
	25-29	205	20.0	164	17.5	148	17.3			517	18.3
	30-34	198	19.3	176	18.8	153	17.9			527	18.7
	35-39	112	10.9	138	14.7	105	12.3			355	12.6
	40-44	84	8.2	86	9.2	86	10.1			256	9.1
	45-54	128	12.5	116	12.4	100	11.7			344	12.2
	55-64	76	7.4	70	7.5	70	8.2			216	7.7
	65+	21	2.0	17	1.8	23	2.7			61	2.2
Total		1,025	100.0	938	100.0	855	100.0			2,818	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of November 6, 2023).

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Table 6. North Carolina Newly Diagnosed Early Syphilis (Primary, Secondary, and Early Latent) Infections by Gender and Race/Ethnicity, 2023

Gender	Race/Ethnicity	1st Qtr (Jan - Mar)		2nd Qtr (Apr - Jun)		3rd Qtr (July - Sept)		4th Qtr (Oct - Dec)		2023 Total	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Male	American Indian/Alaska Native ^a	2	0.2	6	0.6	5	0.6			13	0.5
	Asian/Pacific Islander ^a	7	0.7	7	0.7	7	0.8			21	0.7
	Black/African American ^a	452	44.1	410	43.7	334	39.1			1,196	42.4
	Hispanic/Latino	78	7.6	80	8.5	81	9.5			239	8.5
	White/Caucasian ^a	176	17.2	147	15.7	162	18.9			485	17.2
	Multiple Race	45	4.4	25	2.7	26	3.0			96	3.4
	Unknown	29	2.8	35	3.7	19	2.2			83	2.9
	Total	789	77.0	710	75.7	634	74.2			2,133	75.7
Female	American Indian/Alaska Native ^a	3	0.3	2	0.2	2	0.2			7	0.2
	Asian/Pacific Islander ^a	1	0.1	1	0.1	0	0.0			2	0.1
	Black/African American ^a	125	12.2	115	12.3	99	11.6			339	12.0
	Hispanic/Latino	12	1.2	14	1.5	20	2.3			46	1.6
	White/Caucasian ^a	78	7.6	81	8.6	86	10.1			245	8.7
	Multiple Race	13	1.3	8	0.9	8	0.9			29	1.0
	Unknown	4	0.4	7	0.7	6	0.7			17	0.6
	Total	236	23.0	228	24.3	221	25.8			685	24.3
Total ^c	American Indian/Alaska Native ^a	5	0.5	8	0.9	7	0.8			20	0.7
	Asian/Pacific Islander ^a	8	0.8	8	0.9	7	0.8			23	0.8
	Black/African American ^a	577	56.3	525	56.0	433	50.6			1,535	54.5
	Hispanic/Latino	90	8.8	94	10.0	101	11.8			285	10.1
	White/Caucasian ^a	254	24.8	228	24.3	248	29.0			730	25.9
	Multiple Race	58	5.7	33	3.5	34	4.0			125	4.4
	Unknown	33	3.2	42	4.5	25	2.9			100	3.5
	Total	1,025	100.0	938	100.0	855	100.0			2,818	100.0

^aNon-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of November 6, 2023).

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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, 2020-2023

COUNTY	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2021 Jan-Sep	2022 Jan-Sep	2023 Jan-Sep	2021 Jan-Sep	2022 Jan-Sep	2023 Jan-Sep	2021 Jan-Sep	2022 Jan-Sep	2023 Jan-Sep	2021 Jan-Sep	2022 Jan-Sep	2023 Jan-Sep
ALAMANCE	787	664	787	403	298	281	29	42	38	11	28	20
ALEXANDER	54	50	55	22	10	16	2	2	2	0	0	0
ALLEGHANY	10	13	11	7	3	7	0	0	0	0	0	0
ANSON	158	149	189	75	76	47	3	4	1	4	6	3
ASHE	34	30	31	22	12	8	1	2	1	0	0	0
AVERY	23	11	16	2	5	2	0	1	0	0	1	0
BEAUFORT	224	192	179	111	90	70	2	7	12	1	2	4
BERTIE	94	123	116	66	49	48	1	7	3	2	2	4
BLADEN	103	122	162	65	61	53	3	3	2	0	3	5
BRUNSWICK	312	286	328	114	79	109	6	5	3	1	8	9
BUNCOMBE	780	739	649	373	278	235	30	40	32	14	18	28
BURKE	221	178	188	77	63	60	8	11	10	5	9	6
CABARRUS	1,001	954	999	336	356	348	13	19	36	16	20	21
CALDWELL	200	201	216	73	72	64	11	10	10	2	4	5
CAMDEN	20	15	14	7	7	4	0	0	2	1	0	1
CARTERET	120	145	131	36	36	36	0	4	5	2	4	2
CASWELL	67	86	78	48	35	22	4	2	3	2	1	0
CATAWBA	483	465	405	178	174	181	8	22	11	7	19	11
CHATHAM	161	181	141	48	38	49	5	3	4	1	1	3
CHEROKEE	35	33	28	7	4	2	0	2	5	0	0	0
CHOWAN	72	57	74	40	26	12	1	1	1	0	0	0
CLAY	14	16	11	6	0	0	0	0	1	0	1	0
CLEVELAND	572	466	430	242	230	170	15	20	23	4	14	17
COLUMBUS	242	214	217	128	104	83	5	5	4	5	7	3
CRAVEN	420	350	427	170	118	152	2	11	6	5	12	19
CUMBERLAND	3,257	2,946	2,644	1,485	1,238	1,025	69	99	101	54	80	76
CURRITUCK	40	39	29	12	4	4	0	1	1	2	2	2
DARE	53	59	78	15	9	9	1	1	0	0	1	1
DAVIDSON	568	545	557	361	231	208	21	16	27	9	17	17
DAVIE	105	89	92	24	33	32	1	9	3	1	1	4
DUPLIN	269	279	275	87	88	64	3	9	3	2	7	8
DURHAM	1,826	1,983	2,266	805	795	1,054	80	110	69	43	52	40
EDGECOMBE	447	562	541	253	304	259	5	28	36	5	9	21
FORSYTH	2,235	1,995	2,078	1,197	834	972	57	77	66	20	45	41
FRANKLIN	234	235	242	91	125	96	3	4	4	7	6	4
GASTON	1,171	1,091	1,058	561	506	444	25	35	38	24	25	28
GATES	27	20	19	6	7	3	0	0	0	0	2	1
GRAHAM	7	15	9	3	1	1	0	0	0	0	0	0
GRANVILLE	263	266	287	136	147	121	3	4	7	3	2	5
GREENE	100	105	118	38	52	40	3	6	3	4	5	3
GUILFORD	3,240	3,304	3,285	1,778	1,448	1,556	130	162	97	84	108	92
HALIFAX	337	382	354	203	100	122	8	3	11	3	9	0
HARNETT	604	533	516	217	179	208	16	17	10	15	17	19
HAYWOOD	103	98	103	32	13	12	4	3	0	0	3	2
HENDERSON	229	213	237	82	51	48	10	8	9	3	5	4
HERTFORD	140	140	165	67	60	73	1	3	4	0	7	5
HOKE	345	339	287	145	144	104	8	20	10	5	10	9
HYDE	5	11	5	3	3	2	0	0	0	0	0	0
IREDELL	549	536	632	234	222	223	12	14	5	6	12	8
JACKSON	178	169	167	37	25	35	0	2	0	0	0	2
JOHNSTON	729	707	821	259	279	304	21	28	20	12	17	8
JONES	45	38	36	23	23	11	0	0	1	0	0	0

Continued

Data Source: North Carolina Electronic Disease Surveillance System (data as of November 6, 2023).

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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, 2021-2023

COUNTY	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2021 Jan-Sep	2022 Jan-Sep	2023 Jan-Sep	2021 Jan-Sep	2022 Jan-Sep	2023 Jan-Sep	2021 Jan-Sep	2022 Jan-Sep	2023 Jan-Sep	2021 Jan-Sep	2022 Jan-Sep	2023 Jan-Sep
LEE	235	278	214	105	92	76	6	2	9	2	6	2
LENOIR	418	471	374	213	212	216	7	15	12	2	16	9
LINCOLN	205	218	174	67	76	65	5	9	10	1	2	5
MACON	65	66	60	23	10	11	1	3	4	1	2	1
MADISON	36	47	26	10	10	3	1	7	0	0	0	0
MARTIN	121	135	112	48	56	44	1	0	2	0	3	2
MCDOWELL	85	82	107	41	56	43	4	14	8	2	7	6
MECKLENBURG	7,389	7,583	7,807	3,512	3,442	3,480	290	381	311	252	270	268
MITCHELL	15	19	17	8	7	1	1	1	1	0	0	1
MONTGOMERY	104	92	103	65	47	26	2	3	0	3	0	2
MOORE	304	279	261	115	108	70	7	8	4	2	7	3
NASH	552	555	482	351	323	258	5	26	35	12	18	23
NEW HANOVER	880	833	774	265	229	245	19	31	21	13	19	17
NORTHAMPTON	111	122	119	46	40	49	1	6	3	2	2	2
ONSLow	1,393	1,412	1,275	394	413	281	8	10	13	9	15	7
ORANGE	542	484	535	149	161	208	11	18	14	4	13	7
PAMLICO	30	31	37	12	17	17	0	0	2	0	0	1
PASQUOTANK	205	181	155	109	80	65	2	3	2	1	1	2
PENDER	128	116	137	35	47	40	5	0	3	2	1	5
PERQUIMANS	41	38	34	26	28	7	1	0	1	1	1	0
PERSON	215	167	164	104	87	74	5	2	6	2	0	1
PITT	1,398	1,568	1,522	636	721	691	24	38	39	17	33	31
POLK	28	25	31	10	9	6	0	0	1	0	1	0
RANDOLPH	413	439	399	148	104	118	3	7	10	5	14	9
RICHMOND	301	282	261	156	183	117	7	18	11	2	10	8
ROBESON	956	1,020	1,063	556	528	440	12	50	28	19	16	25
ROCKINGHAM	299	285	268	138	105	126	6	3	12	4	4	3
ROWAN	571	683	638	242	275	282	9	16	28	6	20	22
RUTHERFORD	216	173	152	120	112	79	6	21	29	6	6	24
SAMPSON	261	285	283	78	110	75	4	9	9	4	10	7
SCOTLAND	230	262	297	121	129	145	5	2	3	2	3	3
STANLY	241	188	199	87	74	56	1	5	4	1	2	3
STOKES	83	67	71	34	32	19	4	2	0	0	0	1
SURRY	144	165	113	69	51	43	0	7	2	0	1	2
SWAIN	46	46	35	22	19	4	1	0	0	0	0	1
TRANSYLVANIA	57	50	55	14	9	13	3	0	0	1	2	1
TYRRELL	10	3	4	1	7	0	0	0	0	0	0	0
UNION	723	730	797	235	236	221	9	26	17	9	14	16
VANCE	345	423	395	187	273	235	8	13	10	5	4	5
WAKE	4,435	4,725	4,670	1,783	1,791	1,840	145	172	139	124	129	103
WARREN	78	94	95	52	42	40	3	3	1	0	1	1
WASHINGTON	66	71	71	24	32	23	1	0	0	0	0	0
WATAUGA	135	219	211	13	26	20	3	1	5	1	2	3
WAYNE	735	717	742	287	281	273	8	27	19	7	10	13
WILKES	148	136	111	70	45	22	5	2	3	0	2	3
WILSON	679	654	623	327	345	306	13	24	15	18	27	19
YADKIN	65	63	77	19	27	23	3	2	1	0	2	0
YANCEY	24	15	24	9	6	2	0	0	3	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	49,074	49,036	48,957	21,946	20,258	19,587	1,295	1,869	1,590	927	1,298	1,228

Data Source: North Carolina Electronic Disease Surveillance System (data as of November 6, 2023).

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Table 8. North Carolina Newly Diagnosed HIV Infections by County of Residence at Time of Diagnosis, 2021-2023

COUNTY	2021 Jan-Sep	2022 Jan-Sep	2023 Jan-Sep
ALAMANCE	18	12	14
ALEXANDER	0	1	1
ALLEGHANY	2	0	0
ANSON	0	2	5
ASHE	1	0	2
AVERY	1	0	0
BEAUFORT	4	5	3
BERTIE	4	2	0
BLADEN	3	1	2
BRUNSWICK	5	6	4
BUNCOMBE	15	21	11
BURKE	5	1	4
CABARRUS	18	14	26
CALDWELL	1	3	1
CAMDEN	1	0	1
CARTERET	5	2	3
CASWELL	2	2	1
CATAWBA	5	6	10
CHATHAM	6	3	5
CHEROKEE	0	1	2
CHOWAN	1	0	3
CLAY	0	0	0
CLEVELAND	5	11	12
COLUMBUS	3	4	4
Craven	8	8	5
CUMBERLAND	63	57	71
CURRITUCK	0	0	0
DARE	0	3	2
DAVIDSON	8	14	12
DAVIE	4	0	4
DUPLIN	5	2	6
DURHAM	44	50	52
EDGECOMBE	7	11	11
FORSYTH	50	58	57
FRANKLIN	4	6	1
GASTON	24	31	23
GATES	1	0	1
GRAHAM	0	0	0
GRANVILLE	6	4	7
GREENE	3	1	3
GUILFORD	105	81	75
HALIFAX	3	4	7
HARNETT	8	6	11
HAYWOOD	1	2	3
HENDERSON	9	5	6
HERTFORD	1	1	1
HOKE	7	11	8
HYDE	1	0	0
IREDELL	15	7	9
JACKSON	0	1	0
JOHNSTON	9	16	6

COUNTY	2021 Jan-Sep	2022 Jan-Sep	2023 Jan-Sep
JONES	2	0	0
LEE	2	3	5
LENOIR	6	6	6
LINCOLN	5	2	5
MACON	0	0	1
MADISON	0	0	0
MARTIN	4	5	1
MCDOWELL	1	0	0
MECKLENBURG	223	211	211
MITCHELL	1	0	1
MONTGOMERY	0	0	0
MOORE	3	6	5
NASH	13	18	12
NEW HANOVER	24	15	21
NORTHAMPTON	0	2	2
ONslow	9	12	13
ORANGE	4	3	5
PAMLICO	2	0	2
PASQUOTANK	4	2	2
PENDER	2	1	2
PERQUIMANS	0	1	0
PERSON	4	5	0
PITT	21	25	34
POLK	0	1	0
RANDOLPH	5	6	7
RICHMOND	5	7	3
ROBESON	15	22	18
ROCKINGHAM	2	5	8
ROWAN	11	12	11
RUTHERFORD	1	0	0
SAMPSON	5	8	6
SCOTLAND	2	6	7
STANLY	2	2	4
STOKES	2	0	2
SURRY	0	3	4
SWAIN	0	0	1
TRANSYLVANIA	2	0	1
TYRRELL	0	0	0
UNION	5	11	8
VANCE	4	9	10
WAKE	122	118	115
WARREN	1	0	1
WASHINGTON	1	1	0
WATAUGA	0	1	3
WAYNE	13	11	13
WILKES	1	1	1
WILSON	11	7	10
YADKIN	1	2	2
YANCEY	0	0	1
UNASSIGNED*	10	18	18
TOTAL	1,042	1,044	1,077

* 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 6, 2023).

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Table 9. North Carolina Newly Diagnosed AIDS (HIV Infection Stage 3) Cases by County of Residence at Time of Diagnosis, 2021-2023

COUNTY	2021 Jan-Sep	2022 Jan-Sep	2023 Jan-Sep
ALAMANCE	11	8	5
ALEXANDER	1	0	0
ALLEGHANY	2	0	0
ANSON	0	1	6
ASHE	0	0	1
AVERY	0	0	1
BEAUFORT	4	5	6
BERTIE	0	1	0
BLADEN	1	1	2
BRUNSWICK	1	0	3
BUNCOMBE	7	8	4
BURKE	1	0	2
CABARRUS	2	10	9
CALDWELL	0	2	1
CAMDEN	1	0	0
CARTERET	2	2	0
CASWELL	0	2	1
CATAWBA	3	4	3
CHATHAM	1	0	0
CHEROKEE	0	1	0
CHOWAN	0	0	2
CLAY	0	0	0
CLEVELAND	1	5	8
COLUMBUS	2	4	2
Craven	2	5	2
CUMBERLAND	36	22	31
CURRITUCK	0	0	0
DARE	0	1	1
DAVIDSON	1	3	6
DAVIE	3	0	2
DUPLIN	2	2	3
DURHAM	28	25	23
EDGECOMBE	3	8	6
FORSYTH	23	29	32
FRANKLIN	3	3	1
GASTON	2	10	12
GATES	0	0	0
GRAHAM	0	0	0
GRANVILLE	4	3	0
GREENE	2	0	1
GUILFORD	18	28	28
HALIFAX	3	2	3
HARNETT	0	2	2
HAYWOOD	1	1	2
HENDERSON	4	2	1
HERTFORD	1	0	2
HOKE	4	6	2
HYDE	1	0	0
IREDELL	4	2	2
JACKSON	0	0	0
JOHNSTON	4	6	4
JONES	0	0	0
LEE	5	2	3

COUNTY	2021 Jan-Sep	2022 Jan-Sep	2023 Jan-Sep
LENOIR	1	2	2
LINCOLN	0	1	0
MACON	1	0	0
MADISON	0	0	0
MARTIN	4	3	0
MCDOWELL	0	1	0
MECKLENBURG	53	115	116
MITCHELL	1	0	1
MONTGOMERY	1	0	0
MOORE	5	4	1
NASH	6	4	6
NEW HANOVER	4	2	3
NORTHAMPTON	0	1	2
ONSLow	6	3	7
ORANGE	0	5	3
PAMLICO	1	1	1
PASQUOTANK	2	1	2
PENDER	2	1	1
PERQUIMANS	0	0	0
PERSON	1	2	1
PITT	10	5	14
POLK	0	0	0
RANDOLPH	1	4	3
RICHMOND	3	3	2
ROBESON	12	9	9
ROCKINGHAM	1	0	1
ROWAN	5	9	2
RUTHERFORD	1	0	0
SAMPSON	4	2	3
SCOTLAND	2	4	1
STANLY	2	0	5
STOKES	1	0	1
SURRY	0	1	3
SWAIN	0	0	1
TRANSYLVANIA	0	1	0
TYRRELL	0	0	0
UNION	2	8	6
VANCE	2	3	3
WAKE	62	47	54
WARREN	0	3	1
WASHINGTON	0	1	0
WATAUGA	0	0	1
WAYNE	2	4	11
WILKES	0	0	0
WILSON	7	2	3
YADKIN	0	0	1
YANCEY	0	0	0
UNASSIGNED*	0	6	4
TOTAL	399	474	500

* 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 6, 2023).