

# North Carolina HIV/STD Quarterly Surveillance Report: Vol. 2023, No. 4

## HIV/STD Surveillance Unit

Communicable Disease Branch  
Epidemiology Section, Division of Public Health  
North Carolina Department of Health & Human Services

1902 Mail Service Center  
Raleigh, North Carolina 27699-1902  
(919) 733-7301

<https://epi.dph.ncdhhs.gov/cd/stds/figures.html>

### 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. 4* presents statistics and trends of sexually transmitted diseases (including HIV and AIDS) in North Carolina from January 1 through December 31, 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	1	0.0	2	0.0	5	0.0
	0-9	2	0.0	0	0.0	1	0.0	1	0.0	4	0.0
	10-14	14	0.1	8	0.0	21	0.1	5	0.0	48	0.1
	15-19	1,079	6.3	1,060	6.5	1,207	7.2	1,025	7.0	4,371	6.7
	20-24	2,066	12.0	1,913	11.8	1,971	11.7	1,755	11.9	7,705	11.9
	25-29	1,186	6.9	1,072	6.6	1,086	6.4	973	6.6	4,317	6.6
	30-34	675	3.9	711	4.4	699	4.2	614	4.2	2,699	4.2
	35-39	349	2.0	349	2.1	397	2.4	370	2.5	1,465	2.3
	40-44	181	1.1	185	1.1	196	1.2	178	1.2	740	1.1
	45-54	192	1.1	178	1.1	216	1.3	153	1.0	739	1.1
	55-64	88	0.5	87	0.5	91	0.5	75	0.5	341	0.5
	65+	26	0.2	16	0.1	18	0.1	21	0.1	81	0.1
<b>Total</b>		5,860	34.0	5,579	34.3	5,904	35.1	5,172	35.1	22,515	34.6
Female	Unknown	3	0.0	3	0.0	0	0.0	3	0.0	9	0.0
	0-9	6	0.0	4	0.0	3	0.0	2	0.0	15	0.0
	10-14	81	0.5	84	0.5	95	0.6	77	0.5	337	0.5
	15-19	3,315	19.3	3,090	19.0	3,402	20.2	2,784	18.9	12,591	19.4
	20-24	4,284	24.9	4,054	25.0	3,794	22.5	3,487	23.7	15,619	24.0
	25-29	1,894	11.0	1,738	10.7	1,786	10.6	1,562	10.6	6,980	10.7
	30-34	968	5.6	886	5.5	991	5.9	846	5.7	3,691	5.7
	35-39	411	2.4	407	2.5	450	2.7	382	2.6	1,650	2.5
	40-44	210	1.2	191	1.2	215	1.3	204	1.4	820	1.3
	45-54	134	0.8	147	0.9	151	0.9	149	1.0	581	0.9
	55-64	38	0.2	45	0.3	34	0.2	44	0.3	161	0.2
	65+	6	0.0	14	0.1	13	0.1	7	0.0	40	0.1
<b>Total</b>		11,350	66.0	10,663	65.7	10,934	64.9	9,547	64.9	42,494	65.4
Total	Unknown	5	0.0	3	0.0	1	0.0	5	0.0	14	0.0
	0-9	8	0.0	4	0.0	4	0.0	3	0.0	19	0.0
	10-14	95	0.6	92	0.6	116	0.7	82	0.6	385	0.6
	15-19	4,394	25.5	4,150	25.6	4,609	27.4	3,809	25.9	16,962	26.1
	20-24	6,350	36.9	5,967	36.7	5,765	34.2	5,242	35.6	23,324	35.9
	25-29	3,080	17.9	2,810	17.3	2,872	17.1	2,535	17.2	11,297	17.4
	30-34	1,643	9.5	1,597	9.8	1,690	10.0	1,460	9.9	6,390	9.8
	35-39	760	4.4	756	4.7	847	5.0	752	5.1	3,115	4.8
	40-44	391	2.3	376	2.3	411	2.4	382	2.6	1,560	2.4
	45-54	326	1.9	325	2.0	367	2.2	302	2.1	1,320	2.0
	55-64	126	0.7	132	0.8	125	0.7	119	0.8	502	0.8
	65+	32	0.2	30	0.2	31	0.2	28	0.2	121	0.2
<b>Total</b>		17,210	100.0	16,242	100.0	16,838	100.0	14,719	100.0	65,009	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 5, 2024).

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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 <sup>a</sup>	95	0.6	90	0.6	85	0.5	91	0.6	361	0.6
	Asian/Pacific Islander <sup>a</sup>	21	0.1	33	0.2	41	0.2	49	0.3	144	0.2
	Black/African American <sup>a</sup>	2,422	14.1	2,344	14.4	2,635	15.6	2,329	15.8	9,730	15.0
	Hispanic/Latino	550	3.2	582	3.6	609	3.6	555	3.8	2,296	3.5
	White/Caucasian <sup>a</sup>	801	4.7	749	4.6	792	4.7	688	4.7	3,030	4.7
	Multiple Race	47	0.3	33	0.2	35	0.2	18	0.1	133	0.2
	Unknown	1,924	11.2	1,748	10.8	1,707	10.1	1,442	9.8	6,821	10.5
	<b>Total</b>	<b>5,860</b>	<b>34.0</b>	<b>5,579</b>	<b>34.3</b>	<b>5,904</b>	<b>35.1</b>	<b>5,172</b>	<b>35.1</b>	<b>22,515</b>	<b>34.6</b>
Female	American Indian/Alaska Native <sup>a</sup>	229	1.3	226	1.4	219	1.3	216	1.5	890	1.4
	Asian/Pacific Islander <sup>a</sup>	73	0.4	78	0.5	78	0.5	71	0.5	300	0.5
	Black/African American <sup>a</sup>	4,058	23.6	3,936	24.2	4,269	25.4	3,543	24.1	15,806	24.3
	Hispanic/Latino	1,501	8.7	1,418	8.7	1,443	8.6	1,364	9.3	5,726	8.8
	White/Caucasian <sup>a</sup>	1,910	11.1	1,844	11.4	1,912	11.4	1,698	11.5	7,364	11.3
	Multiple Race	67	0.4	66	0.4	61	0.4	78	0.5	272	0.4
	Unknown	3,512	20.4	3,095	19.1	2,952	17.5	2,577	17.5	12,136	18.7
	<b>Total</b>	<b>11,350</b>	<b>66.0</b>	<b>10,663</b>	<b>65.7</b>	<b>10,934</b>	<b>64.9</b>	<b>9,547</b>	<b>64.9</b>	<b>42,494</b>	<b>65.4</b>
Total	American Indian/Alaska Native <sup>a</sup>	324	1.9	316	1.9	304	1.8	307	2.1	1,251	1.9
	Asian/Pacific Islander <sup>a</sup>	94	0.5	111	0.7	119	0.7	120	0.8	444	0.7
	Black/African American <sup>a</sup>	6,480	37.7	6,280	38.7	6,904	41.0	5,872	39.9	25,536	39.3
	Hispanic/Latino	2,051	11.9	2,000	12.3	2,052	12.2	1,919	13.0	8,022	12.3
	White/Caucasian <sup>a</sup>	2,711	15.8	2,593	16.0	2,704	16.1	2,386	16.2	10,394	16.0
	Multiple Race	114	0.7	99	0.6	96	0.6	96	0.7	405	0.6
	Unknown	5,436	31.6	4,843	29.8	4,659	27.7	4,019	27.3	18,957	29.2
	<b>Total</b>	<b>17,210</b>	<b>100.0</b>	<b>16,242</b>	<b>100.0</b>	<b>16,838</b>	<b>100.0</b>	<b>14,719</b>	<b>100.0</b>	<b>65,009</b>	<b>100.0</b>

<sup>a</sup>Non-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 5, 2024).

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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	0	0.0	1	0.0
	0-9	2	0.0	0	0.0	1	0.0	1	0.0	4	0.0
	10-14	6	0.1	4	0.1	8	0.1	6	0.1	24	0.1
	15-19	461	7.1	442	6.7	531	7.7	452	7.4	1,886	7.2
	20-24	910	13.9	936	14.2	941	13.7	907	14.9	3,694	14.2
	25-29	802	12.3	767	11.6	767	11.1	690	11.3	3,026	11.6
	30-34	569	8.7	618	9.4	670	9.7	545	9.0	2,402	9.2
	35-39	317	4.8	346	5.3	378	5.5	343	5.6	1,384	5.3
	40-44	194	3.0	200	3.0	237	3.4	191	3.1	822	3.1
	45-54	218	3.3	237	3.6	267	3.9	234	3.8	956	3.7
	55-64	111	1.7	121	1.8	154	2.2	120	2.0	506	1.9
	65+	35	0.5	31	0.5	40	0.6	37	0.6	143	0.5
<b>Total</b>		<b>3,625</b>	<b>55.5</b>	<b>3,702</b>	<b>56.2</b>	<b>3,995</b>	<b>58.0</b>	<b>3,526</b>	<b>57.9</b>	<b>14,848</b>	<b>56.9</b>
Female	Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	0-9	0	0.0	3	0.0	0	0.0	2	0.0	5	0.0
	10-14	25	0.4	18	0.3	31	0.4	27	0.4	101	0.4
	15-19	711	10.9	713	10.8	737	10.7	654	10.7	2,815	10.8
	20-24	972	14.9	983	14.9	891	12.9	796	13.1	3,642	14.0
	25-29	522	8.0	484	7.3	506	7.3	420	6.9	1,932	7.4
	30-34	312	4.8	321	4.9	319	4.6	319	5.2	1,271	4.9
	35-39	175	2.7	185	2.8	182	2.6	152	2.5	694	2.7
	40-44	105	1.6	86	1.3	119	1.7	95	1.6	405	1.6
	45-54	71	1.1	68	1.0	85	1.2	67	1.1	291	1.1
	55-64	15	0.2	21	0.3	22	0.3	28	0.5	86	0.3
	65+	3	0.0	2	0.0	2	0.0	3	0.0	10	0.0
<b>Total</b>		<b>2,911</b>	<b>44.5</b>	<b>2,884</b>	<b>43.8</b>	<b>2,894</b>	<b>42.0</b>	<b>2,563</b>	<b>42.1</b>	<b>11,252</b>	<b>43.1</b>
Total <sup>a</sup>	Unknown	0	0.0	0	0.0	1	0.0	0	0.0	1	0.0
	0-9	2	0.0	3	0.0	1	0.0	3	0.0	9	0.0
	10-14	31	0.5	22	0.3	39	0.6	33	0.5	125	0.5
	15-19	1,172	17.9	1,155	17.5	1,268	18.4	1,106	18.2	4,701	18.0
	20-24	1,883	28.8	1,919	29.1	1,832	26.6	1,703	28.0	7,337	28.1
	25-29	1,324	20.3	1,251	19.0	1,273	18.5	1,110	18.2	4,958	19.0
	30-34	881	13.5	939	14.3	989	14.4	864	14.2	3,673	14.1
	35-39	492	7.5	531	8.1	560	8.1	495	8.1	2,078	8.0
	40-44	299	4.6	286	4.3	356	5.2	286	4.7	1,227	4.7
	45-54	289	4.4	305	4.6	352	5.1	301	4.9	1,247	4.8
	55-64	126	1.9	142	2.2	176	2.6	148	2.4	592	2.3
	65+	38	0.6	33	0.5	42	0.6	40	0.7	153	0.6
<b>Total</b>		<b>6,537</b>	<b>100.0</b>	<b>6,586</b>	<b>100.0</b>	<b>6,889</b>	<b>100.0</b>	<b>6,089</b>	<b>100.0</b>	<b>26,101</b>	<b>100.0</b>

<sup>a</sup>Total includes 1 case with unreported gender (1 case in Quarter 1).

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 5, 2024)

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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 <sup>a</sup>	46	0.7	64	1.0	60	0.9	65	1.1	235	0.9
	Asian/Pacific Islander <sup>a</sup>	18	0.3	17	0.3	33	0.5	16	0.3	84	0.3
	Black/African American <sup>a</sup>	1,902	29.1	2,055	31.2	2,251	32.7	2,003	32.9	8,211	31.5
	Hispanic/Latino	241	3.7	259	3.9	268	3.9	246	4.0	1,014	3.9
	White/Caucasian <sup>a</sup>	417	6.4	447	6.8	511	7.4	413	6.8	1,788	6.9
	Multiple Race	37	0.6	31	0.5	41	0.6	35	0.6	144	0.6
	Unknown	964	14.7	829	12.6	831	12.1	748	12.3	3,372	12.9
	<b>Total</b>	<b>3,625</b>	<b>55.5</b>	<b>3,702</b>	<b>56.2</b>	<b>3,995</b>	<b>58.0</b>	<b>3,526</b>	<b>57.9</b>	<b>14,848</b>	<b>56.9</b>
Female	American Indian/Alaska Native <sup>a</sup>	67	1.0	76	1.2	66	1.0	66	1.1	275	1.1
	Asian/Pacific Islander <sup>a</sup>	14	0.2	15	0.2	9	0.1	14	0.2	52	0.2
	Black/African American <sup>a</sup>	1,378	21.1	1,419	21.5	1,527	22.2	1,347	22.1	5,671	21.7
	Hispanic/Latino	152	2.3	161	2.4	129	1.9	132	2.2	574	2.2
	White/Caucasian <sup>a</sup>	465	7.1	460	7.0	506	7.3	414	6.8	1,845	7.1
	Multiple Race	25	0.4	31	0.5	24	0.3	24	0.4	104	0.4
	Unknown	810	12.4	722	11.0	633	9.2	566	9.3	2,731	10.5
	<b>Total</b>	<b>2,911</b>	<b>44.5</b>	<b>2,884</b>	<b>43.8</b>	<b>2,894</b>	<b>42.0</b>	<b>2,563</b>	<b>42.1</b>	<b>11,252</b>	<b>43.1</b>
Total <sup>b</sup>	American Indian/Alaska Native <sup>a</sup>	113	1.7	140	2.1	126	1.8	131	2.2	510	2.0
	Asian/Pacific Islander <sup>a</sup>	32	0.5	32	0.5	42	0.6	30	0.5	136	0.5
	Black/African American <sup>a</sup>	3,280	50.2	3,474	52.7	3,778	54.8	3,350	55.0	13,882	53.2
	Hispanic/Latino	393	6.0	420	6.4	397	5.8	378	6.2	1,588	6.1
	White/Caucasian <sup>a</sup>	882	13.5	907	13.8	1,017	14.8	827	13.6	3,633	13.9
	Multiple Race	62	0.9	62	0.9	65	0.9	59	1.0	248	1.0
	Unknown	1,775	27.2	1,551	23.5	1,464	21.3	1,314	21.6	6,104	23.4
	<b>Total</b>	<b>6,537</b>	<b>100.0</b>	<b>6,586</b>	<b>100.0</b>	<b>6,889</b>	<b>100.0</b>	<b>6,089</b>	<b>100.0</b>	<b>26,101</b>	<b>100.0</b>

<sup>a</sup>Non-Hispanic/Latino.

<sup>b</sup>Total includes 1 case with unreported gender (1 case in Quarter 1).

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 5, 2024).

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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	0.0
	0-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0	1	0.1	1	0.0
	15-19	19	1.8	21	2.2	17	1.8	12	1.6	69	1.9
	20-24	114	11.1	103	10.8	111	11.7	79	10.4	407	11.0
	25-29	149	14.5	124	13.0	112	11.8	83	11.0	468	12.7
	30-34	166	16.1	140	14.7	123	13.0	131	17.3	560	15.2
	35-39	85	8.3	99	10.4	90	9.5	79	10.4	353	9.6
	40-44	69	6.7	64	6.7	68	7.2	52	6.9	253	6.9
	45-54	107	10.4	88	9.2	91	9.6	63	8.3	349	9.5
	55-64	62	6.0	66	6.9	68	7.2	48	6.3	244	6.6
	65+	20	1.9	14	1.5	19	2.0	19	2.5	72	2.0
<b>Total</b>		791	76.9	719	75.5	699	73.8	567	75.0	2,776	75.4
Female	Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	0-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	15-19	21	2.0	12	1.3	15	1.6	12	1.6	60	1.6
	20-24	47	4.6	39	4.1	44	4.6	34	4.5	164	4.5
	25-29	57	5.5	45	4.7	51	5.4	33	4.4	186	5.0
	30-34	33	3.2	38	4.0	43	4.5	38	5.0	152	4.1
	35-39	27	2.6	41	4.3	32	3.4	27	3.6	127	3.4
	40-44	15	1.5	23	2.4	24	2.5	15	2.0	77	2.1
	45-54	21	2.0	27	2.8	20	2.1	23	3.0	91	2.5
	55-64	15	1.5	5	0.5	15	1.6	6	0.8	41	1.1
	65+	2	0.2	3	0.3	4	0.4	1	0.1	10	0.3
<b>Total</b>		238	23.1	233	24.5	248	26.2	189	25.0	908	24.6
Total	Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	0-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0	1	0.1	1	0.0
	15-19	40	3.9	33	3.5	32	3.4	24	3.2	129	3.5
	20-24	161	15.6	142	14.9	155	16.4	113	14.9	571	15.5
	25-29	206	20.0	169	17.8	163	17.2	116	15.3	654	17.8
	30-34	199	19.3	178	18.7	166	17.5	169	22.4	712	19.3
	35-39	112	10.9	140	14.7	122	12.9	106	14.0	480	13.0
	40-44	84	8.2	87	9.1	92	9.7	67	8.9	330	9.0
	45-54	128	12.4	115	12.1	111	11.7	86	11.4	440	11.9
	55-64	77	7.5	71	7.5	83	8.8	54	7.1	285	7.7
	65+	22	2.1	17	1.8	23	2.4	20	2.6	82	2.2
<b>Total</b>		1,029	100.0	952	100.0	947	100.0	756	100.0	3,684	100.0

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 5, 2024).

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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 <sup>a</sup>	2	0.2	6	0.6	4	0.4	7	0.9	19	0.5
	Asian/Pacific Islander <sup>a</sup>	7	0.7	7	0.7	7	0.7	4	0.5	25	0.7
	Black/African American <sup>a</sup>	451	43.8	413	43.4	373	39.4	305	40.3	1,542	41.9
	Hispanic/Latino	78	7.6	81	8.5	84	8.9	66	8.7	309	8.4
	White/Caucasian <sup>a</sup>	176	17.1	149	15.7	180	19.0	140	18.5	645	17.5
	Multiple Race	47	4.6	27	2.8	33	3.5	24	3.2	131	3.6
	Unknown	30	2.9	36	3.8	18	1.9	21	2.8	105	2.9
	<b>Total</b>	<b>791</b>	<b>76.9</b>	<b>719</b>	<b>75.5</b>	<b>699</b>	<b>73.8</b>	<b>567</b>	<b>75.0</b>	<b>2,776</b>	<b>75.4</b>
Female	American Indian/Alaska Native <sup>a</sup>	3	0.3	2	0.2	2	0.2	5	0.7	12	0.3
	Asian/Pacific Islander <sup>a</sup>	1	0.1	1	0.1	0	0.0	1	0.1	3	0.1
	Black/African American <sup>a</sup>	125	12.1	117	12.3	118	12.5	91	12.0	451	12.2
	Hispanic/Latino	13	1.3	14	1.5	23	2.4	18	2.4	68	1.8
	White/Caucasian <sup>a</sup>	76	7.4	83	8.7	90	9.5	64	8.5	313	8.5
	Multiple Race	15	1.5	9	0.9	9	1.0	5	0.7	38	1.0
	Unknown	5	0.5	7	0.7	6	0.6	5	0.7	23	0.6
	<b>Total</b>	<b>238</b>	<b>23.1</b>	<b>233</b>	<b>24.5</b>	<b>248</b>	<b>26.2</b>	<b>189</b>	<b>25.0</b>	<b>908</b>	<b>24.6</b>
Total <sup>c</sup>	American Indian/Alaska Native <sup>a</sup>	5	0.5	8	0.8	6	0.6	12	1.6	31	0.8
	Asian/Pacific Islander <sup>a</sup>	8	0.8	8	0.8	7	0.7	5	0.7	28	0.8
	Black/African American <sup>a</sup>	576	56.0	530	55.7	491	51.8	396	52.4	1,993	54.1
	Hispanic/Latino	91	8.8	95	10.0	107	11.3	84	11.1	377	10.2
	White/Caucasian <sup>a</sup>	252	24.5	232	24.4	270	28.5	204	27.0	958	26.0
	Multiple Race	62	6.0	36	3.8	42	4.4	29	3.8	169	4.6
	Unknown	35	3.4	43	4.5	24	2.5	26	3.4	128	3.5
	<b>Total</b>	<b>1,029</b>	<b>100.0</b>	<b>952</b>	<b>100.0</b>	<b>947</b>	<b>100.0</b>	<b>756</b>	<b>100.0</b>	<b>3,684</b>	<b>100.0</b>

<sup>a</sup>Non-Hispanic/Latino.

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 5, 2024).



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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, 2021-2023**

COUNTY	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2021 Jan-Dec	2022 Jan-Dec	2023 Jan-Dec	2021 Jan-Dec	2022 Jan-Dec	2023 Jan-Dec	2021 Jan-Dec	2022 Jan-Dec	2023 Jan-Dec	2021 Jan-Dec	2022 Jan-Dec	2023 Jan-Dec
ALAMANCE	1,023	861	1,016	524	375	368	40	49	49	16	38	26
ALEXANDER	68	67	67	28	15	17	3	3	6	1	0	0
ALLEGHANY	12	17	17	8	4	7	0	0	0	0	0	0
ANSON	213	193	238	106	96	67	4	7	5	4	6	3
ASHE	44	38	42	26	13	10	1	2	1	0	0	0
AVERY	28	19	25	4	7	3	1	2	1	0	1	0
BEAUFORT	289	237	249	137	109	93	5	10	13	2	4	8
BERTIE	133	155	160	83	63	65	2	8	3	2	3	4
BLADEN	155	169	206	93	80	70	5	4	5	0	4	7
BRUNSWICK	403	396	449	142	106	139	8	7	5	2	8	10
BUNCOMBE	1,040	943	854	488	383	308	41	52	35	17	23	36
BURKE	282	237	247	103	86	83	17	14	13	7	11	9
CABARRUS	1,296	1,262	1,293	445	479	457	22	27	46	17	26	30
CALDWELL	261	267	285	101	103	84	15	12	11	3	4	7
CAMDEN	30	25	22	7	9	4	1	0	2	1	0	1
CARTERET	155	197	159	42	46	45	1	4	7	3	4	2
CASWELL	93	111	107	60	44	39	4	2	3	4	1	0
CATAWBA	634	611	525	239	256	232	10	25	18	12	22	16
CHATHAM	209	247	193	68	53	63	6	3	5	3	1	3
CHEROKEE	48	43	41	13	7	2	0	2	5	0	0	1
CHOWAN	91	81	86	50	33	14	1	1	1	0	1	0
CLAY	14	17	16	7	0	1	1	0	1	0	1	0
CLEVELAND	733	582	596	320	290	245	20	25	25	10	18	21
COLUMBUS	336	285	276	174	126	131	7	6	4	8	8	5
CRAVEN	523	459	556	206	176	185	4	12	6	6	15	22
CUMBERLAND	4,351	3,903	3,500	2,014	1,592	1,333	101	134	120	71	105	106
CURRITUCK	56	52	55	16	9	12	0	3	2	3	2	4
DARE	65	74	104	15	11	13	1	1	0	0	1	1
DAVIDSON	759	696	744	477	295	252	31	28	34	9	19	26
DAVIE	134	102	113	32	42	43	1	12	4	1	1	5
DUPLIN	336	354	360	108	115	94	5	10	5	3	8	10
DURHAM	2,388	2,684	3,033	1,053	1,102	1,484	126	136	89	65	68	54
EDGECOMBE	601	732	720	350	403	348	10	39	42	8	16	25
FORSYTH	2,918	2,516	2,829	1,509	1,078	1,297	83	96	94	30	58	53
FRANKLIN	295	335	340	123	173	125	8	6	6	8	7	8
GASTON	1,519	1,460	1,389	770	680	579	36	50	53	33	29	37
GATES	34	26	32	9	11	7	0	0	0	0	2	1
GRAHAM	9	21	12	3	3	2	0	0	0	0	0	0
GRANVILLE	349	343	372	186	213	148	7	7	11	4	3	7
GREENE	123	145	150	55	74	53	4	6	4	4	6	3
GUILFORD	4,342	4,423	4,461	2,346	1,927	2,078	176	211	133	120	136	121
HALIFAX	460	497	474	275	138	174	10	5	13	6	14	4
HARNETT	796	689	706	292	230	278	26	23	13	20	23	21
HAYWOOD	130	128	123	41	17	15	6	5	1	0	3	4
HENDERSON	283	265	298	105	62	71	14	13	12	4	8	8
HERTFORD	183	193	212	79	88	93	2	4	4	1	8	6
HOKE	462	440	385	196	191	145	10	24	14	7	11	9
HYDE	11	15	8	3	3	3	0	0	0	1	0	0
IREDELL	738	719	814	311	296	286	14	18	8	6	14	11
JACKSON	233	242	227	46	37	56	0	2	0	0	1	2
JOHNSTON	934	970	1,070	329	378	406	24	37	27	14	20	11
JONES	59	44	47	33	25	16	0	0	1	0	0	0

Continued

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 5, 2024).

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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-Dec	2022 Jan-Dec	2023 Jan-Dec	2021 Jan-Dec	2022 Jan-Dec	2023 Jan-Dec	2021 Jan-Dec	2022 Jan-Dec	2023 Jan-Dec	2021 Jan-Dec	2022 Jan-Dec	2023 Jan-Dec
LEE	317	346	295	135	120	117	6	2	11	3	6	2
LENOIR	521	625	492	270	274	280	10	18	16	4	18	10
LINCOLN	298	284	239	102	98	89	6	9	10	1	5	7
MACON	86	89	86	30	13	13	1	5	4	1	4	1
MADISON	46	60	44	15	13	9	2	7	1	0	0	2
MARTIN	157	175	145	63	68	66	2	3	3	0	4	2
MCDOWELL	109	111	129	54	73	51	8	21	12	5	7	9
MECKLENBURG	9,753	9,964	10,147	4,654	4,603	4,531	379	481	388	340	356	354
MITCHELL	18	29	27	9	8	3	1	1	2	0	0	1
MONTGOMERY	132	115	128	82	56	37	3	3	1	5	1	3
MOORE	399	376	353	149	137	93	9	10	6	4	8	6
NASH	714	735	768	455	428	394	10	36	44	18	28	29
NEW HANOVER	1,189	1,113	1,145	357	285	357	24	39	32	22	27	22
NORTHAMPTON	149	155	151	64	61	62	2	8	3	2	2	2
ONSLow	1,853	1,842	1,745	510	525	413	12	13	20	14	18	11
ORANGE	736	664	705	219	216	274	16	20	18	9	16	8
PAMLICO	39	38	50	21	21	18	0	0	2	0	0	2
PASQUOTANK	265	250	230	135	102	103	4	3	5	1	3	3
PENDER	165	167	188	55	63	60	6	2	5	4	1	5
PERQUIMANS	54	48	50	38	29	12	1	0	1	1	1	0
PERSON	271	216	217	137	104	96	6	3	7	6	2	3
PITT	1,907	2,077	2,096	863	953	935	38	51	49	19	37	39
POLK	34	28	35	13	14	11	0	0	1	0	1	0
RANDOLPH	553	554	506	200	139	157	7	11	13	9	14	12
RICHMOND	402	371	349	223	224	163	10	24	17	5	10	11
ROBESON	1,327	1,371	1,341	753	702	596	19	60	38	29	24	32
ROCKINGHAM	386	366	349	180	149	147	9	4	19	4	4	5
ROWAN	762	907	825	354	357	369	15	24	38	10	26	31
RUTHERFORD	286	228	185	161	138	96	10	23	33	6	9	27
SAMPSON	339	367	362	112	139	91	6	11	12	7	13	12
SCOTLAND	321	359	385	160	167	177	8	4	4	3	3	3
STANLY	316	261	252	126	109	65	2	5	7	1	2	4
STOKES	107	95	89	44	40	29	5	2	1	0	1	2
SURRY	186	205	147	88	62	62	0	8	3	0	2	2
SWAIN	80	62	46	34	23	6	1	0	0	0	0	2
TRANSYLVANIA	72	66	68	19	12	15	3	0	0	1	3	2
TYRRELL	12	11	9	1	10	0	0	0	0	0	0	0
UNION	986	964	993	299	303	285	10	36	18	9	19	21
VANCE	442	583	509	263	392	292	11	16	12	6	6	7
WAKE	5,937	6,175	6,275	2,388	2,416	2,469	204	238	185	165	157	131
WARREN	108	137	128	66	64	49	4	4	4	0	2	1
WASHINGTON	94	95	94	50	37	39	2	0	0	1	0	0
WATAUGA	245	332	268	20	38	24	9	2	7	2	2	3
WAYNE	991	964	953	370	378	340	14	36	21	9	14	20
WILKES	186	153	150	84	60	27	5	3	4	0	3	4
WILSON	897	834	833	436	463	406	20	27	18	24	38	23
YADKIN	90	88	96	27	31	27	3	4	2	2	2	0
YANCEY	33	24	29	11	7	3	0	0	3	1	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>65,051</b>	<b>64,666</b>	<b>65,009</b>	<b>29,149</b>	<b>26,876</b>	<b>26,101</b>	<b>1,837</b>	<b>2,424</b>	<b>2,060</b>	<b>1,289</b>	<b>1,661</b>	<b>1,624</b>

Data Source: North Carolina Electronic Disease Surveillance System (data as of February 5, 2024).

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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-Dec	2022 Jan-Dec	2023 Jan-Dec
ALAMANCE	25	18	16
ALEXANDER	1	1	3
ALLEGHANY	2	0	1
ANSON	4	3	5
ASHE	1	0	2
AVERY	1	0	0
BEAUFORT	5	6	5
BERTIE	5	2	1
BLADEN	3	2	5
BRUNSWICK	5	9	6
BUNCOMBE	21	27	13
BURKE	6	1	7
CABARRUS	24	26	35
CALDWELL	2	6	3
CAMDEN	2	0	1
CARTERET	6	3	5
CASWELL	2	2	1
CATAWBA	8	9	16
CHATHAM	6	3	7
CHEROKEE	0	2	2
CHOWAN	1	0	4
CLAY	0	0	0
CLEVELAND	7	15	13
COLUMBUS	4	6	6
Craven	10	10	9
CUMBERLAND	82	78	84
CURRITUCK	2	0	0
DARE	0	3	2
DAVIDSON	12	16	15
DAVIE	4	1	5
DUPLIN	9	5	5
DURHAM	62	66	71
EDGECOMBE	9	12	15
FORSYTH	64	73	72
FRANKLIN	5	7	1
GASTON	31	36	36
GATES	1	0	1
GRAHAM	0	0	0
GRANVILLE	7	5	10
GREENE	3	2	4
GUILFORD	135	93	97
HALIFAX	3	5	8
HARNETT	12	9	19
HAYWOOD	2	3	5
HENDERSON	11	5	8
HERTFORD	2	2	2
HOKE	8	14	10
HYDE	1	0	0
IREDELL	18	13	10
JACKSON	0	1	2
JOHNSTON	15	24	15

COUNTY	2021 Jan-Dec	2022 Jan-Dec	2023 Jan-Dec
JONES	2	0	0
LEE	2	5	7
LENOIR	8	8	7
LINCOLN	5	2	5
MACON	0	0	1
MADISON	1	0	0
MARTIN	7	6	1
MCDOWELL	1	1	1
MECKLENBURG	279	280	273
MITCHELL	1	0	1
MONTGOMERY	0	0	1
MOORE	5	6	8
NASH	16	20	19
NEW HANOVER	26	16	28
NORTHAMPTON	1	4	3
ONslow	18	15	18
ORANGE	5	5	6
PAMLICO	3	0	2
PASQUOTANK	6	1	4
PENDER	3	4	2
PERQUIMANS	0	1	0
PERSON	8	5	1
PITT	35	30	40
POLK	0	1	0
RANDOLPH	8	9	9
RICHMOND	6	11	4
ROBESON	24	28	28
ROCKINGHAM	2	7	10
ROWAN	13	19	13
RUTHERFORD	2	0	1
SAMPSON	9	10	11
SCOTLAND	5	8	10
STANLY	2	4	4
STOKES	2	1	2
SURRY	0	5	6
SWAIN	0	0	1
TRANSYLVANIA	2	1	2
TYRRELL	0	0	0
UNION	10	15	14
VANCE	5	9	12
WAKE	157	143	141
WARREN	3	0	3
WASHINGTON	1	1	0
WATAUGA	1	1	4
WAYNE	21	15	20
WILKES	1	2	1
WILSON	18	9	14
YADKIN	3	3	2
YANCEY	0	0	1
UNASSIGNED*	16	26	24
TOTAL	1,392	1,361	1,428

\* Unassigned includes cases with unknown county of residence at diagnosis or cases that were diagnosed at a long-term care facility such as prison.  
Data Source: enhanced HIV/AIDS Reporting System (eHARS) (data as of February 5, 2024).

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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-Dec	2022 Jan-Dec	2023 Jan-Dec
ALAMANCE	13	9	6
ALEXANDER	1	1	2
ALLEGHANY	2	0	0
ANSON	0	1	6
ASHE	0	0	1
AVERY	0	0	1
BEAUFORT	4	5	6
BERTIE	1	2	0
BLADEN	1	1	2
BRUNSWICK	2	3	3
BUNCOMBE	9	11	5
BURKE	2	0	2
CABARRUS	2	14	15
CALDWELL	0	5	1
CAMDEN	1	0	0
CARTERET	2	3	1
CASWELL	1	2	1
CATAWBA	4	4	5
CHATHAM	1	0	3
CHEROKEE	0	1	0
CHOWAN	0	0	2
CLAY	0	0	0
CLEVELAND	1	7	9
COLUMBUS	2	5	4
CRAVEN	2	7	2
CUMBERLAND	46	26	36
CURRITUCK	0	0	0
DARE	0	2	1
DAVIDSON	3	5	10
DAVIE	3	0	2
DUPLIN	4	6	3
DURHAM	33	31	33
EDGECOMBE	3	10	5
FORSYTH	33	37	38
FRANKLIN	3	4	2
GASTON	5	13	22
GATES	0	0	0
GRAHAM	0	0	0
GRANVILLE	4	3	4
GREENE	2	1	2
GUILFORD	20	39	31
HALIFAX	3	2	5
HARNETT	0	4	4
HAYWOOD	1	1	5
HENDERSON	5	2	2
HERTFORD	1	1	2
HOKE	5	7	2
HYDE	1	0	0
IREDELL	4	2	2
JACKSON	0	0	1
JOHNSTON	7	9	6
JONES	0	1	1
LEE	6	3	3

COUNTY	2021 Jan-Dec	2022 Jan-Dec	2023 Jan-Dec
LENOIR	2	4	3
LINCOLN	0	1	0
MACON	1	0	0
MADISON	1	0	0
MARTIN	5	3	0
MCDOWELL	0	2	0
MECKLENBURG	73	156	149
MITCHELL	1	0	1
MONTGOMERY	1	1	0
MOORE	5	4	1
NASH	7	5	7
NEW HANOVER	4	3	4
NORTHAMPTON	0	1	3
ONSLow	7	4	7
ORANGE	0	5	3
PAMLICO	1	1	1
PASQUOTANK	2	1	2
PENDER	2	2	1
PERQUIMANS	0	1	0
PERSON	3	3	2
PITT	16	9	15
POLK	0	0	0
RANDOLPH	2	5	6
RICHMOND	5	4	2
ROBESON	15	12	12
ROCKINGHAM	1	0	1
ROWAN	7	11	5
RUTHERFORD	1	0	0
SAMPSON	6	2	5
SCOTLAND	5	4	2
STANLY	2	0	6
STOKES	1	1	1
SURRY	0	1	3
SWAIN	1	0	1
TRANSYLVANIA	0	2	0
TYRRELL	0	0	0
UNION	2	10	6
VANCE	2	3	5
WAKE	75	63	68
WARREN	0	4	1
WASHINGTON	0	1	0
WATAUGA	0	0	1
WAYNE	5	6	12
WILKES	0	0	0
WILSON	9	4	4
YADKIN	2	0	1
YANCEY	0	0	0
UNASSIGNED*	3	8	5
<b>TOTAL</b>	<b>518</b>	<b>637</b>	<b>645</b>

\* Unassigned includes cases with unknown county of residence at diagnosis or cases that were diagnosed at a long-term care facility such as prison.  
Data Source: enhanced HIV/AIDS Reporting System (eHARS) (data as of February 5, 2024).