

# North Carolina HIV/STD Quarterly Surveillance Report: Vol. 2023, 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. 2023, No. 2* presents statistics and trends of sexually transmitted diseases (including HIV and AIDS) in North Carolina from January 1 through June 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	1	0.0					3	0.0
	0-9	2	0.0	0	0.0					2	0.0
	10-14	14	0.1	8	0.1					22	0.1
	15-19	1,071	6.3	996	6.6					2,067	6.4
	20-24	2,057	12.0	1,778	11.8					3,835	11.9
	25-29	1,182	6.9	1,004	6.7					2,186	6.8
	30-34	672	3.9	665	4.4					1,337	4.2
	35-39	346	2.0	323	2.1					669	2.1
	40-44	181	1.1	169	1.1					350	1.1
	45-54	190	1.1	170	1.1					360	1.1
	55-64	88	0.5	80	0.5					168	0.5
	65+	26	0.2	15	0.1					41	0.1
	<b>Total</b>	<b>5,831</b>	<b>34.1</b>	<b>5,209</b>	<b>34.6</b>					<b>11,040</b>	<b>34.3</b>
Female	Unknown	3	0.0	3	0.0					6	0.0
	0-9	6	0.0	4	0.0					10	0.0
	10-14	79	0.5	80	0.5					159	0.5
	15-19	3,295	19.3	2,867	19.0					6,162	19.2
	20-24	4,257	24.9	3,724	24.7					7,981	24.8
	25-29	1,883	11.0	1,610	10.7					3,493	10.9
	30-34	964	5.6	816	5.4					1,780	5.5
	35-39	411	2.4	375	2.5					786	2.4
	40-44	209	1.2	177	1.2					386	1.2
	45-54	134	0.8	135	0.9					269	0.8
	55-64	38	0.2	42	0.3					80	0.2
	65+	6	0.0	13	0.1					19	0.1
	<b>Total</b>	<b>11,285</b>	<b>65.9</b>	<b>9,846</b>	<b>65.4</b>					<b>21,131</b>	<b>65.7</b>
Total	Unknown	5	0.0	4	0.0					9	0.0
	0-9	8	0.0	4	0.0					12	0.0
	10-14	93	0.5	88	0.6					181	0.6
	15-19	4,366	25.5	3,863	25.7					8,229	25.6
	20-24	6,314	36.9	5,502	36.5					11,816	36.7
	25-29	3,065	17.9	2,614	17.4					5,679	17.7
	30-34	1,636	9.6	1,481	9.8					3,117	9.7
	35-39	757	4.4	698	4.6					1,455	4.5
	40-44	390	2.3	346	2.3					736	2.3
	45-54	324	1.9	305	2.0					629	2.0
	55-64	126	0.7	122	0.8					248	0.8
	65+	32	0.2	28	0.2					60	0.2
	<b>Total</b>	<b>17,116</b>	<b>100.0</b>	<b>15,055</b>	<b>100.0</b>					<b>32,171</b>	<b>100.0</b>

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 7, 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 <sup>a</sup>	94	0.5	87	0.6					181	0.6
	Asian/Pacific Islander <sup>a</sup>	21	0.1	28	0.2					49	0.2
	Black/African American <sup>a</sup>	2,410	14.1	2,196	14.6					4,606	14.3
	Hispanic/Latino	543	3.2	534	3.5					1,077	3.3
	White/Caucasian <sup>a</sup>	798	4.7	705	4.7					1,503	4.7
	Multiple Race	47	0.3	31	0.2					78	0.2
	Unknown	1,918	11.2	1,628	10.8					3,546	11.0
	<b>Total</b>	<b>5,831</b>	<b>34.1</b>	<b>5,209</b>	<b>34.6</b>					<b>11,040</b>	<b>34.3</b>
Female	American Indian/Alaska Native <sup>a</sup>	228	1.3	214	1.4					442	1.4
	Asian/Pacific Islander <sup>a</sup>	72	0.4	75	0.5					147	0.5
	Black/African American <sup>a</sup>	4,023	23.5	3,613	24.0					7,636	23.7
	Hispanic/Latino	1,488	8.7	1,328	8.8					2,816	8.8
	White/Caucasian <sup>a</sup>	1,895	11.1	1,721	11.4					3,616	11.2
	Multiple Race	67	0.4	60	0.4					127	0.4
	Unknown	3,512	20.5	2,835	18.8					6,347	19.7
	<b>Total</b>	<b>11,285</b>	<b>65.9</b>	<b>9,846</b>	<b>65.4</b>					<b>21,131</b>	<b>65.7</b>
Total	American Indian/Alaska Native <sup>a</sup>	322	1.9	301	2.0					623	1.9
	Asian/Pacific Islander <sup>a</sup>	93	0.5	103	0.7					196	0.6
	Black/African American <sup>a</sup>	6,433	37.6	5,809	38.6					12,242	38.1
	Hispanic/Latino	2,031	11.9	1,862	12.4					3,893	12.1
	White/Caucasian <sup>a</sup>	2,693	15.7	2,426	16.1					5,119	15.9
	Multiple Race	114	0.7	91	0.6					205	0.6
	Unknown	5,430	31.7	4,463	29.6					9,893	30.8
	<b>Total</b>	<b>17,116</b>	<b>100.0</b>	<b>15,055</b>	<b>100.0</b>					<b>32,171</b>	<b>100.0</b>

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

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 7, 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					0	0.0
	0-9	2	0.0	0	0.0					2	0.0
	10-14	6	0.1	3	0.0					9	0.1
	15-19	458	7.0	405	6.6					863	6.8
	20-24	905	13.9	865	14.1					1,770	14.0
	25-29	797	12.3	732	11.9					1,529	12.1
	30-34	566	8.7	574	9.4					1,140	9.0
	35-39	314	4.8	326	5.3					640	5.1
	40-44	194	3.0	182	3.0					376	3.0
	45-54	217	3.3	218	3.6					435	3.4
	55-64	111	1.7	112	1.8					223	1.8
	65+	35	0.5	28	0.5					63	0.5
<b>Total</b>		<b>3,605</b>	<b>55.5</b>	<b>3,445</b>	<b>56.2</b>					<b>7,050</b>	<b>55.8</b>
Female	Unknown	0	0.0	0	0.0					0	0.0
	0-9	0	0.0	3	0.0					3	0.0
	10-14	25	0.4	18	0.3					43	0.3
	15-19	702	10.8	656	10.7					1,358	10.8
	20-24	965	14.9	917	15.0					1,882	14.9
	25-29	521	8.0	446	7.3					967	7.7
	30-34	310	4.8	302	4.9					612	4.8
	35-39	174	2.7	174	2.8					348	2.8
	40-44	105	1.6	82	1.3					187	1.5
	45-54	71	1.1	65	1.1					136	1.1
	55-64	15	0.2	20	0.3					35	0.3
	65+	3	0.0	2	0.0					5	0.0
<b>Total</b>		<b>2,891</b>	<b>44.5</b>	<b>2,685</b>	<b>43.8</b>					<b>5,576</b>	<b>44.2</b>
Total <sup>a</sup>	Unknown	0	0.0	0	0.0					0	0.0
	0-9	2	0.0	3	0.0					5	0.0
	10-14	31	0.5	21	0.3					52	0.4
	15-19	1,160	17.9	1,061	17.3					2,221	17.6
	20-24	1,871	28.8	1,782	29.1					3,653	28.9
	25-29	1,318	20.3	1,178	19.2					2,496	19.8
	30-34	876	13.5	876	14.3					1,752	13.9
	35-39	488	7.5	500	8.2					988	7.8
	40-44	299	4.6	264	4.3					563	4.5
	45-54	288	4.4	283	4.6					571	4.5
	55-64	126	1.9	132	2.2					258	2.0
	65+	38	0.6	30	0.5					68	0.5
<b>Total</b>		<b>6,497</b>	<b>100.0</b>	<b>6,130</b>	<b>100.0</b>					<b>12,627</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 August 7, 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 <sup>a</sup>	46	0.7	62	1.0					108	0.9
	Asian/Pacific Islander <sup>a</sup>	18	0.3	15	0.2					33	0.3
	Black/African American <sup>a</sup>	1,889	29.1	1,909	31.1					3,798	30.1
	Hispanic/Latino	240	3.7	250	4.1					490	3.9
	White/Caucasian <sup>a</sup>	416	6.4	417	6.8					833	6.6
	Multiple Race	37	0.6	31	0.5					68	0.5
	Unknown	959	14.8	761	12.4					1,720	13.6
	<b>Total</b>	<b>3,605</b>	<b>55.5</b>	<b>3,445</b>	<b>56.2</b>					<b>7,050</b>	<b>55.8</b>
Female	American Indian/Alaska Native <sup>a</sup>	67	1.0	72	1.2					139	1.1
	Asian/Pacific Islander <sup>a</sup>	14	0.2	15	0.2					29	0.2
	Black/African American <sup>a</sup>	1,362	21.0	1,322	21.6					2,684	21.3
	Hispanic/Latino	149	2.3	151	2.5					300	2.4
	White/Caucasian <sup>a</sup>	462	7.1	424	6.9					886	7.0
	Multiple Race	25	0.4	30	0.5					55	0.4
	Unknown	812	12.5	671	10.9					1,483	11.7
	<b>Total</b>	<b>2,891</b>	<b>44.5</b>	<b>2,685</b>	<b>43.8</b>					<b>5,576</b>	<b>44.2</b>
Total <sup>b</sup>	American Indian/Alaska Native <sup>a</sup>	113	1.7	134	2.2					247	2.0
	Asian/Pacific Islander <sup>a</sup>	32	0.5	30	0.5					62	0.5
	Black/African American <sup>a</sup>	3,251	50.0	3,231	52.7					6,482	51.3
	Hispanic/Latino	389	6.0	401	6.5					790	6.3
	White/Caucasian <sup>a</sup>	878	13.5	841	13.7					1,719	13.6
	Multiple Race	62	1.0	61	1.0					123	1.0
	Unknown	1,772	27.3	1,432	23.4					3,204	25.4
	<b>Total</b>	<b>6,497</b>	<b>100.0</b>	<b>6,130</b>	<b>100.0</b>					<b>12,627</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 August 7, 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
	0-9	0	0.0	0	0.0					0	0.0
	10-14	0	0.0	0	0.0					0	0.0
	15-19	19	1.9	19	2.2					38	2.0
	20-24	114	11.2	92	10.7					206	11.0
	25-29	148	14.6	113	13.1					261	13.9
	30-34	164	16.2	127	14.8					291	15.5
	35-39	84	8.3	89	10.3					173	9.2
	40-44	69	6.8	55	6.4					124	6.6
	45-54	103	10.1	84	9.8					187	10.0
	55-64	61	6.0	59	6.9					120	6.4
	65+	19	1.9	11	1.3					30	1.6
	<b>Total</b>		781	76.9	649	75.5					1,430
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	21	2.1	11	1.3					32	1.7
	20-24	47	4.6	36	4.2					83	4.4
	25-29	55	5.4	42	4.9					97	5.2
	30-34	31	3.1	31	3.6					62	3.3
	35-39	27	2.7	38	4.4					65	3.5
	40-44	15	1.5	22	2.6					37	2.0
	45-54	21	2.1	24	2.8					45	2.4
	55-64	15	1.5	4	0.5					19	1.0
	65+	2	0.2	3	0.3					5	0.3
	<b>Total</b>		234	23.1	211	24.5					445
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	40	3.9	30	3.5					70	3.7
	20-24	161	15.9	128	14.9					289	15.4
	25-29	203	20.0	155	18.0					358	19.1
	30-34	195	19.2	158	18.4					353	18.8
	35-39	111	10.9	127	14.8					238	12.7
	40-44	84	8.3	77	9.0					161	8.6
	45-54	124	12.2	108	12.6					232	12.4
	55-64	76	7.5	63	7.3					139	7.4
	65+	21	2.1	14	1.6					35	1.9
	<b>Total</b>		1,015	100.0	860	100.0					1,875

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 7, 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 <sup>a</sup>	3	0.3	6	0.7					9	0.5
	Asian/Pacific Islander <sup>a</sup>	7	0.7	6	0.7					13	0.7
	Black/African American <sup>a</sup>	446	43.9	377	43.8					823	43.9
	Hispanic/Latino	78	7.7	72	8.4					150	8.0
	White/Caucasian <sup>a</sup>	174	17.1	137	15.9					311	16.6
	Multiple Race	44	4.3	20	2.3					64	3.4
	Unknown	29	2.9	31	3.6					60	3.2
	<b>Total</b>	<b>781</b>	<b>76.9</b>	<b>649</b>	<b>75.5</b>					<b>1,430</b>	<b>76.3</b>
Female	American Indian/Alaska Native <sup>a</sup>	3	0.3	1	0.1					4	0.2
	Asian/Pacific Islander <sup>a</sup>	1	0.1	1	0.1					2	0.1
	Black/African American <sup>a</sup>	124	12.2	105	12.2					229	12.2
	Hispanic/Latino	12	1.2	13	1.5					25	1.3
	White/Caucasian <sup>a</sup>	77	7.6	77	9.0					154	8.2
	Multiple Race	12	1.2	7	0.8					19	1.0
	Unknown	5	0.5	7	0.8					12	0.6
	<b>Total</b>	<b>234</b>	<b>23.1</b>	<b>211</b>	<b>24.5</b>					<b>445</b>	<b>23.7</b>
Total <sup>c</sup>	American Indian/Alaska Native <sup>a</sup>	6	0.6	7	0.8					13	0.7
	Asian/Pacific Islander <sup>a</sup>	8	0.8	7	0.8					15	0.8
	Black/African American <sup>a</sup>	570	56.2	482	56.0					1,052	56.1
	Hispanic/Latino	90	8.9	85	9.9					175	9.3
	White/Caucasian <sup>a</sup>	251	24.7	214	24.9					465	24.8
	Multiple Race	56	5.5	27	3.1					83	4.4
	Unknown	34	3.3	38	4.4					72	3.8
	<b>Total</b>	<b>1,015</b>	<b>100.0</b>	<b>860</b>	<b>100.0</b>					<b>1,875</b>	<b>100.0</b>

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

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 7, 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-Jun	2022 Jan-Jun	2023 Jan-Jun	2021 Jan-Jun	2022 Jan-Jun	2023 Jan-Jun	2021 Jan-Jun	2022 Jan-Jun	2023 Jan-Jun	2021 Jan-Jun	2022 Jan-Jun	2023 Jan-Jun
ALAMANCE	534	422	512	256	178	169	20	31	25	4	22	14
ALEXANDER	42	37	34	19	3	10	1	1	2	0	0	0
ALLEGHANY	8	7	7	3	2	7	0	0	0	0	0	0
ANSON	95	105	131	47	53	31	3	2	1	3	3	2
ASHE	28	16	20	15	6	4	1	2	1	0	0	0
AVERY	15	8	11	1	4	1	0	1	0	0	1	0
BEAUFORT	155	121	112	79	65	52	1	3	9	0	2	2
BERTIE	64	86	56	44	30	27	1	5	2	2	2	3
BLADEN	66	78	115	46	35	40	3	3	3	0	3	4
BRUNSWICK	196	184	186	66	53	61	5	5	2	1	7	3
BUNCOMBE	530	510	437	244	191	142	15	18	20	11	12	17
BURKE	160	112	128	50	36	40	7	9	6	4	7	4
CABARRUS	659	652	663	219	233	230	11	11	15	9	13	11
CALDWELL	135	148	141	42	41	43	5	6	6	1	4	3
CAMDEN	14	6	13	5	5	2	0	0	1	1	0	1
CARTERET	88	88	93	29	21	21	0	2	3	1	2	1
CASWELL	31	54	58	33	20	17	1	2	3	1	0	0
CATAWBA	352	309	269	111	115	122	3	18	8	4	11	9
CHATHAM	108	111	87	30	18	33	2	1	3	1	0	2
CHEROKEE	20	24	18	6	1	2	0	2	2	0	0	0
CHOWAN	45	32	50	24	19	10	1	1	1	0	0	0
CLAY	12	13	6	3	0	0	0	0	1	0	0	0
CLEVELAND	409	303	271	168	153	103	8	12	15	2	10	11
COLUMBUS	161	153	148	82	75	49	4	3	3	3	4	2
CRAVEN	295	207	294	119	72	113	1	6	3	5	5	12
CUMBERLAND	2,108	2,026	1,824	938	860	711	34	57	65	30	54	44
CURRITUCK	26	28	23	10	3	2	0	0	1	2	0	0
DARE	29	44	52	10	6	3	1	1	0	0	1	1
DAVIDSON	379	380	356	212	166	145	11	9	15	5	14	6
DAVIE	59	58	61	16	24	22	1	4	3	1	1	3
DUPLIN	188	195	180	51	58	45	2	7	3	0	5	3
DURHAM	1,202	1,255	1,444	542	517	657	49	82	46	27	40	24
EDGECOMBE	284	353	349	165	202	175	3	13	31	3	7	11
FORSYTH	1,431	1,445	1,336	845	586	573	35	51	46	10	29	28
FRANKLIN	158	145	163	59	73	55	2	4	3	5	4	1
GASTON	812	723	674	375	334	295	16	22	32	15	19	21
GATES	16	12	16	5	6	2	0	0	0	0	1	1
GRAHAM	4	9	4	2	1	1	0	0	0	0	0	0
GRANVILLE	157	166	184	71	100	71	2	3	4	3	2	3
GREENE	71	61	86	29	38	31	2	3	3	3	4	2
GUILFORD	2,181	2,197	2,187	1,191	934	1,017	87	96	65	62	69	65
HALIFAX	246	260	251	151	68	86	3	3	8	2	2	0
HARNETT	395	376	348	152	116	134	8	8	5	10	13	14
HAYWOOD	76	68	65	22	12	4	2	3	0	0	3	2
HENDERSON	153	136	160	51	37	31	8	4	5	3	2	2
HERTFORD	91	98	110	45	38	44	0	1	2	0	3	2
HOKE	248	231	182	96	102	73	3	12	8	4	9	7
HYDE	5	9	3	2	3	1	0	0	0	0	0	0
IREDELL	377	341	390	159	160	135	7	13	3	3	8	3
JACKSON	116	124	123	28	14	28	0	1	0	0	0	2
JOHNSTON	473	455	544	170	187	213	15	21	12	10	11	4
JONES	28	23	25	16	11	6	0	0	1	0	0	0

Continued

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 7, 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-Jun	2022 Jan-Jun	2023 Jan-Jun	2021 Jan-Jun	2022 Jan-Jun	2023 Jan-Jun	2021 Jan-Jun	2022 Jan-Jun	2023 Jan-Jun	2021 Jan-Jun	2022 Jan-Jun	2023 Jan-Jun
LEE	163	189	125	79	59	49	1	1	6	2	4	2
LENOIR	299	319	242	144	145	137	5	8	8	1	9	7
LINCOLN	137	146	113	39	49	44	4	3	8	0	1	2
MACON	45	43	40	18	7	9	1	2	2	0	0	0
MADISON	28	34	21	5	8	0	1	3	0	0	0	0
MARTIN	82	100	66	34	38	30	1	0	2	0	1	2
MCDOWELL	59	61	82	26	35	28	2	12	7	2	6	4
MECKLENBURG	4,937	4,992	5,136	2,315	2,248	2,256	191	228	221	172	180	189
MITCHELL	10	14	11	6	7	0	1	0	0	0	0	0
MONTGOMERY	67	62	69	42	34	19	1	1	0	2	0	2
MOORE	211	179	183	84	73	54	7	4	1	1	5	3
NASH	362	371	246	237	211	131	4	20	18	6	12	15
NEW HANOVER	612	554	451	178	148	121	11	21	16	8	11	10
NORTHAMPTON	75	86	78	33	28	34	1	4	2	0	2	2
ONSLow	1,003	928	912	218	267	180	5	4	7	6	9	4
ORANGE	362	339	378	85	95	129	7	11	10	2	10	5
PAMLICO	20	15	23	8	8	12	0	0	1	0	0	0
PASQUOTANK	132	123	117	80	54	48	1	0	1	1	0	2
PENDER	83	78	88	20	32	29	2	0	1	1	1	2
PERQUIMANS	24	27	24	16	24	5	0	0	1	1	1	0
PERSON	158	108	109	77	62	49	2	2	3	2	0	1
PITT	929	1,134	991	413	498	439	14	27	28	10	22	18
POLK	21	19	22	7	5	6	0	0	0	0	0	0
RANDOLPH	273	264	245	110	63	85	2	5	5	1	11	7
RICHMOND	206	210	180	108	128	74	2	10	9	0	6	4
ROBESON	640	653	693	360	344	287	6	29	16	11	13	16
ROCKINGHAM	198	194	167	91	66	85	4	2	4	3	2	1
ROWAN	379	408	427	151	153	186	9	12	21	3	16	14
RUTHERFORD	148	106	98	84	80	53	5	9	24	2	4	16
SAMPSON	173	188	172	56	67	45	3	7	6	3	6	6
SCOTLAND	141	162	198	67	79	89	3	0	2	1	3	0
STANLY	154	125	133	59	56	37	1	3	2	1	2	2
STOKES	57	38	51	24	24	9	3	1	0	0	0	0
SURRY	101	116	65	53	42	23	0	4	1	0	1	1
SWAIN	29	32	26	14	15	3	0	0	0	0	0	1
TRANSYLVANIA	38	30	38	10	7	6	2	0	0	1	1	1
TYRRELL	6	3	3	1	5	0	0	0	0	0	0	0
UNION	493	490	555	152	153	151	2	16	15	4	9	13
VANCE	234	273	270	118	183	174	6	10	4	4	3	3
WAKE	2,849	3,119	3,022	1,145	1,134	1,164	95	105	96	75	89	70
WARREN	53	62	65	35	27	27	2	3	0	0	1	1
WASHINGTON	41	53	51	18	29	15	1	0	0	0	0	0
WATAUGA	72	163	159	4	20	11	2	1	2	0	2	3
WAYNE	499	472	478	194	169	166	6	17	12	4	6	10
WILKES	97	80	82	52	34	17	5	2	2	0	2	1
WILSON	446	434	405	217	229	206	9	11	10	10	18	14
YADKIN	35	46	47	13	21	15	2	2	0	0	1	0
YANCEY	13	13	14	3	6	1	0	0	1	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>32,729</b>	<b>32,659</b>	<b>32,171</b>	<b>14,457</b>	<b>13,354</b>	<b>12,627</b>	<b>816</b>	<b>1,162</b>	<b>1,071</b>	<b>591</b>	<b>879</b>	<b>804</b>

Data Source: North Carolina Electronic Disease Surveillance System (data as of August 7, 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-Jun	2022 Jan-Jun	2023 Jan-Jun
ALAMANCE	11	9	9
ALEXANDER	0	1	1
ALLEGHANY	2	0	0
ANSON	0	2	2
ASHE	0	0	2
AVERY	0	0	0
BEAUFORT	2	5	3
BERTIE	3	1	0
BLADEN	2	0	1
BRUNSWICK	3	2	1
BUNCOMBE	8	13	8
BURKE	5	1	3
CABARRUS	12	9	14
CALDWELL	1	2	1
CAMDEN	1	0	0
CARTERET	1	2	2
CASWELL	1	2	1
CATAWBA	3	6	6
CHATHAM	3	2	4
CHEROKEE	0	1	1
CHOWAN	1	0	1
CLAY	0	0	0
CLEVELAND	3	4	8
COLUMBUS	0	2	3
Craven	5	6	2
CUMBERLAND	36	38	48
CURRITUCK	0	0	0
DARE	0	2	2
DAVIDSON	1	10	8
DAVIE	2	0	2
DUPLIN	3	1	3
DURHAM	25	35	28
EDGECOMBE	5	6	10
FORSYTH	32	35	39
FRANKLIN	4	5	1
GASTON	18	16	14
GATES	1	0	1
GRAHAM	0	0	0
GRANVILLE	3	2	2
GREENE	1	0	2
GUILFORD	75	58	52
HALIFAX	2	2	4
HARNETT	5	2	8
HAYWOOD	1	1	3
HENDERSON	8	1	3
HERTFORD	1	1	0
HOKE	7	7	4
HYDE	0	0	0
IREDELL	10	6	5
JACKSON	0	0	0
JOHNSTON	5	13	3

COUNTY	2021 Jan-Jun	2022 Jan-Jun	2023 Jan-Jun
JONES	1	0	0
LEE	0	2	5
LENOIR	4	3	5
LINCOLN	2	1	4
MACON	0	0	1
MADISON	0	0	0
MARTIN	4	5	1
MCDOWELL	0	0	0
MECKLENBURG	149	132	152
MITCHELL	1	0	0
MONTGOMERY	0	0	0
MOORE	2	1	5
NASH	11	13	7
NEW HANOVER	20	10	15
NORTHAMPTON	0	1	2
ONslow	4	9	5
ORANGE	4	2	6
PAMLICO	2	0	1
PASQUOTANK	2	2	1
PENDER	2	1	1
PERQUIMANS	0	0	0
PERSON	3	3	0
PITT	14	18	23
POLK	0	0	0
RANDOLPH	5	5	4
RICHMOND	3	3	1
ROBESON	9	12	11
ROCKINGHAM	1	2	7
ROWAN	10	6	5
RUTHERFORD	1	0	0
SAMPSON	3	3	4
SCOTLAND	2	4	6
STANLY	2	1	2
STOKES	1	0	2
SURRY	0	1	2
SWAIN	0	0	0
TRANSYLVANIA	1	0	1
TYRRELL	0	0	0
UNION	4	7	5
VANCE	4	6	7
WAKE	81	84	76
WARREN	1	0	1
WASHINGTON	1	1	0
WATAUGA	0	1	3
WAYNE	10	6	11
WILKES	1	0	1
WILSON	4	4	9
YADKIN	0	2	1
YANCEY	0	0	0
UNASSIGNED*	8	15	15
<b>TOTAL</b>	<b>689</b>	<b>677</b>	<b>723</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 August 7, 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-Jun	2022 Jan-Jun	2023 Jan-Jun
ALAMANCE	10	5	2
ALEXANDER	1	0	0
ALLEGHANY	2	0	0
ANSON	0	0	5
ASHE	0	0	1
AVERY	0	0	1
BEAUFORT	3	5	4
BERTIE	0	1	0
BLADEN	1	0	2
BRUNSWICK	1	0	2
BUNCOMBE	4	6	3
BURKE	1	0	0
CABARRUS	2	7	4
CALDWELL	0	1	0
CAMDEN	1	0	0
CARTERET	0	2	0
CASWELL	0	2	1
CATAWBA	2	3	3
CHATHAM	0	0	0
CHEROKEE	0	1	0
CHOWAN	0	0	1
CLAY	0	0	0
CLEVELAND	1	3	6
COLUMBUS	1	3	1
Craven	1	3	2
CUMBERLAND	23	14	23
CURRITUCK	0	0	0
DARE	0	1	1
DAVIDSON	1	3	5
DAVIE	2	0	2
DUPLIN	2	2	1
DURHAM	21	11	12
EDGECOMBE	2	7	3
FORSYTH	15	20	20
FRANKLIN	3	3	1
GASTON	1	4	8
GATES	0	0	0
GRAHAM	0	0	0
GRANVILLE	2	1	0
GREENE	1	0	0
GUILFORD	13	15	21
HALIFAX	3	1	1
HARNETT	0	0	2
HAYWOOD	1	0	1
HENDERSON	2	1	1
HERTFORD	1	0	2
HOKE	3	6	1
HYDE	0	0	0
IREDELL	3	0	2
JACKSON	0	0	0
JOHNSTON	1	3	1
JONES	0	0	0
LEE	2	1	3

COUNTY	2021 Jan-Jun	2022 Jan-Jun	2023 Jan-Jun
LENOIR	0	0	2
LINCOLN	0	0	0
MACON	1	0	0
MADISON	0	0	0
MARTIN	3	3	0
MCDOWELL	0	1	0
MECKLENBURG	33	73	89
MITCHELL	1	0	0
MONTGOMERY	1	0	0
MOORE	3	0	1
NASH	5	3	5
NEW HANOVER	3	1	0
NORTHAMPTON	0	0	2
ONSLow	5	1	5
ORANGE	0	1	2
PAMLICO	1	1	1
PASQUOTANK	1	1	1
PENDER	2	1	0
PERQUIMANS	0	0	0
PERSON	1	1	1
PITT	9	4	9
POLK	0	0	0
RANDOLPH	0	2	2
RICHMOND	3	2	1
ROBESON	6	6	7
ROCKINGHAM	0	0	1
ROWAN	2	6	0
RUTHERFORD	1	0	0
SAMPSON	3	1	2
SCOTLAND	2	4	0
STANLY	2	0	1
STOKES	0	0	1
SURRY	0	1	2
SWAIN	0	0	0
TRANSYLVANIA	0	1	0
TYRRELL	0	0	0
UNION	1	4	5
VANCE	2	2	1
WAKE	36	34	37
WARREN	0	3	1
WASHINGTON	0	1	0
WATAUGA	0	0	1
WAYNE	2	2	8
WILKES	0	0	0
WILSON	3	2	3
YADKIN	0	0	0
YANCEY	0	0	0
UNASSIGNED*	0	3	2
<b>TOTAL</b>	<b>265</b>	<b>300</b>	<b>342</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 August 7, 2023).