

North Carolina HIV/STD Quarterly Surveillance Report: Vol. 2009, No. 4

Communicable Disease Surveillance Unit

Communicable Disease Branch
Epidemiology Section, Division of Public Health
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ANNOUNCEMENTS:

Readers will note a substantial increase in syphilis reports for 2009 as compared to 2008. This noteworthy increase represents true increases in disease morbidity. Increases in chlamydia however are more likely the result of enhancements to related laboratory reporting. The North Carolina STD Surveillance data system underwent extensive changes in 2008 as North Carolina implemented NC EDSS (the North Carolina Electronic Disease Surveillance System). Reporting delays and changes in reporting processes for chlamydia and gonorrhea may have substantially affected data. Some cases listed in this report are considered presumptive; their status may change as case investigation continues.

Readers should consider the data in this report to be *preliminary*. Readers are also cautioned that these data represent reports for short time periods and that changes noted from quarter to quarter may not be meaningful.

HIV disease and AIDS are both presented by “date of report” in this publication. This gives a preliminary look at HIV and AIDS surveillance for the current year. Because HIV and AIDS morbidity trends are better described using “date of diagnosis” rather than “date of report”, only summary counts for the counties and a state total are provided. For descriptions of HIV disease and AIDS morbidity, please see our annual reports or the Epidemiologic Profile. Also, HIV and AIDS cases diagnosed/reported from long-term care institutions such as prisons are not included in county totals.

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 Communicable Disease Surveillance Unit (CDSU) 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 CDSU 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. 2009, No. 4* presents statistics and trends of sexually transmitted diseases (including HIV and AIDS) in North Carolina from January 1 through December 31, 2009. All reports are presented by the date received by the CDSU. 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 (www.epi.state.nc.us/epi/hiv/surveillance.html). The CDC maintains data about these diseases for the United States; national information is available from its website (www.cdc.gov)



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AIDS and HIV disease surveillance data

HIV disease case reports represent persons who have a confirmed diagnosis with human immunodeficiency virus (HIV). This category represents all new diagnoses with HIV regardless of the stage of the disease. Most persons are reported with only an HIV infection, but some persons are reported with a concurrent diagnosis of AIDS (acquired immunodeficiency syndrome). In North Carolina, about one-third of the new HIV disease 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. Most AIDS case reports represent persons who were diagnosed with HIV infection in earlier years. For these reasons, HIV disease 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 but the time references are different.

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, 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.

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 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.

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 infection is less than a year old. 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 CDSU. 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.

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 2009*. This report can be found on our website www.epi.state.nc.us/epi/hiv/surveillance.html.

NORTH CAROLINA STD/HIV REPORTS- January through December, 2009

2009 Chlamydia Reports		1st Qtr		2nd Qtr		3rd Qtr		4th Qtr		Year to Date	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Sex	Age Group										
Male	Unknown	11	0.1	4	0.0	3	0.0	3	0.0	21	0.0
	0-9	5	0.0	8	0.1	5	0.0	1	0.0	19	0.0
	10-14	8	0.1	5	0.0	3	0.0	4	0.0	20	0.0
	15-19	486	4.4	509	4.4	436	4.2	512	4.8	1,943	4.4
	20-24	813	7.3	852	7.3	717	7.0	828	7.7	3,210	7.3
	25-29	431	3.9	418	3.6	306	3.0	401	3.7	1,556	3.6
	30-34	207	1.9	178	1.5	134	1.3	159	1.5	678	1.6
	35-39	83	0.7	114	1.0	78	0.8	100	0.9	375	0.9
	40-44	60	0.5	55	0.5	41	0.4	47	0.4	203	0.5
	45-54	38	0.3	31	0.3	36	0.3	47	0.4	152	0.3
	55-64	13	0.1	10	0.1	7	0.1	11	0.1	41	0.1
	65+	2	0.0	2	0.0	1	0.0	4	0.0	9	0.0
	Total	2,157	19.5	2,186	18.9	1,767	17.1	2,117	19.7	8,227	18.8
Female	Unknown	47	0.4	43	0.4	30	0.3	14	0.1	134	0.3
	0-9	13	0.1	11	0.1	4	0.0	11	0.1	39	0.1
	10-14	100	0.9	114	1.0	100	1.0	110	1.0	424	1.0
	15-19	3,558	32.1	3,548	30.6	3,405	33.0	3,205	29.8	13,716	31.4
	20-24	3,256	29.4	3,506	30.2	3,192	31.0	3,365	31.3	13,319	30.5
	25-29	1,109	10.0	1,249	10.8	1,059	10.3	1,142	10.6	4,559	10.4
	30-34	458	4.1	479	4.1	403	3.9	445	4.1	1,785	4.1
	35-39	192	1.7	206	1.8	176	1.7	166	1.5	740	1.7
	40-44	72	0.6	85	0.7	70	0.7	64	0.6	291	0.7
	45-54	49	0.4	44	0.4	43	0.4	46	0.4	182	0.4
	55-64	13	0.1	10	0.1	7	0.1	6	0.1	36	0.1
	65+	1	0.0	2	0.0	0	0.0	1	0.0	4	0.0
	Total	8,868	80.0	9,297	80.2	8,489	82.3	8,575	79.8	35,229	80.6
Total*	Unknown	78	0.7	66	0.6	41	0.4	27	0.3	212	0.5
	0-9	18	0.2	21	0.2	9	0.1	12	0.1	60	0.1
	10-14	110	1.0	119	1.0	104	1.0	115	1.1	448	1.0
	15-19	4,055	36.6	4,082	35.2	3,850	37.3	3,733	34.7	15,720	35.9
	20-24	4,081	36.8	4,400	38.0	3,927	38.1	4,211	39.2	16,619	38.0
	25-29	1,544	13.9	1,679	14.5	1,374	13.3	1,555	14.5	6,152	14.1
	30-34	669	6.0	661	5.7	542	5.3	606	5.6	2,478	5.7
	35-39	276	2.5	324	2.8	256	2.5	266	2.5	1,122	2.6
	40-44	133	1.2	141	1.2	112	1.1	111	1.0	497	1.1
	45-54	87	0.8	76	0.7	79	0.8	94	0.9	336	0.8
	55-64	26	0.2	20	0.2	14	0.1	17	0.2	77	0.2
	65+	3	0.0	4	0.0	1	0.0	5	0.0	13	0.0
	Total	11,080	100.0	11,593	100.0	10,309	100.0	10,752	100.0	43,734	100.0

* Total includes 278 cases with unreported gender

NORTH CAROLINA STD/HIV REPORTS- January through December, 2009

2009 Chlamydia Reports		1st Qtr		2nd Qtr		3rd Qtr		4th Qtr		Year to Date	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Sex	Race/Ethnicity										
Male	Unknown	614	5.5	694	6.0	585	5.7	735	6.8	2,628	6.0
	White*	301	2.7	246	2.1	198	1.9	213	2.0	958	2.2
	Black*	1,037	9.4	1,079	9.3	860	8.3	1,031	9.6	4,007	9.2
	American Indian*	21	0.2	19	0.2	14	0.1	19	0.2	73	0.2
	Asian, Pac Islander*	10	0.1	14	0.1	7	0.1	7	0.1	38	0.1
	Hispanic	174	1.6	134	1.2	103	1.0	112	1.0	523	1.2
	Total	2,157	19.5	2,186	18.9	1,767	17.1	2,117	19.7	8,227	18.8
Female	Race/Ethnicity										
	Unknown	2,372	21.4	2,745	23.7	2,476	24.0	2,947	27.4	10,540	24.1
	White*	1,660	15.0	1,609	13.9	1,458	14.1	1,297	12.1	6,024	13.8
	Black*	4,121	37.2	4,187	36.1	3,905	37.9	3,788	35.2	16,001	36.6
	American Indian*	118	1.1	132	1.1	147	1.4	101	0.9	498	1.1
	Asian, Pac Islander*	55	0.5	43	0.4	42	0.4	36	0.3	176	0.4
	Hispanic	542	4.9	581	5.0	461	4.5	406	3.8	1,990	4.6
	Total	8,868	80.0	9,297	80.2	8,489	82.3	8,575	79.8	35,229	80.6
Total**	Race/Ethnicity										
	Unknown	3,002	27.1	3,524	30.4	3,092	30.0	3,714	34.5	13,332	30.5
	White*	1,969	17.8	1,857	16.0	1,659	16.1	1,515	14.1	7,000	16.0
	Black*	5,184	46.8	5,282	45.6	4,783	46.4	4,841	45.0	20,090	45.9
	American Indian*	140	1.3	151	1.3	161	1.6	120	1.1	572	1.3
	Asian, Pac Islander*	65	0.6	57	0.5	49	0.5	44	0.4	215	0.5
	Hispanic	720	6.5	722	6.2	565	5.5	518	4.8	2,525	5.8
	Total	11,080	100.0	11,593	100.0	10,309	100.0	10,752	100.0	43,734	100.0

*non Hispanic **Total includes 278 cases with unreported gender

NORTH CAROLINA STD/HIV REPORTS- January through December, 2009

2009 Gonorrhea Reports		1st Qtr		2nd Qtr		3rd Qtr		4th Qtr		Year to Date	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Sex	Age Group										
Male	Unknown	6	0.2	3	0.1	8	0.2	2	0.1	19	0.1
	0-9	4	0.1	2	0.1	1	0.0	0	0.0	7	0.0
	10-14	4	0.1	2	0.1	5	0.1	5	0.1	16	0.1
	15-19	328	8.9	318	8.2	307	8.2	265	7.6	1,218	8.2
	20-24	550	14.9	557	14.3	547	14.6	478	13.7	2,132	14.4
	25-29	290	7.9	315	8.1	291	7.8	282	8.1	1,178	8.0
	30-34	179	4.9	167	4.3	153	4.1	144	4.1	643	4.3
	35-39	100	2.7	109	2.8	94	2.5	88	2.5	391	2.6
	40-44	61	1.7	78	2.0	63	1.7	62	1.8	264	1.8
	45-54	95	2.6	76	2.0	89	2.4	55	1.6	315	2.1
	55-64	21	0.6	28	0.7	13	0.3	19	0.5	81	0.5
	65+	7	0.2	4	0.1	5	0.1	5	0.1	21	0.1
	Total	1,645	44.6	1,659	42.7	1,576	42.1	1,405	40.2	6,285	42.4
Female	Unknown	7	0.2	15	0.4	13	0.3	4	0.1	39	0.3
	0-9	1	0.0	4	0.1	2	0.1	2	0.1	9	0.1
	10-14	23	0.6	24	0.6	27	0.7	21	0.6	95	0.6
	15-19	761	20.6	764	19.7	742	19.8	673	19.3	2,940	19.9
	20-24	718	19.5	801	20.6	794	21.2	800	22.9	3,113	21.0
	25-29	273	7.4	325	8.4	324	8.6	326	9.3	1,248	8.4
	30-34	121	3.3	139	3.6	133	3.5	127	3.6	520	3.5
	35-39	61	1.7	62	1.6	57	1.5	67	1.9	247	1.7
	40-44	32	0.9	30	0.8	31	0.8	21	0.6	114	0.8
	45-54	19	0.5	10	0.3	23	0.6	25	0.7	77	0.5
	55-64	5	0.1	5	0.1	1	0.0	3	0.1	14	0.1
	65+	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	Total	2,021	54.8	2,179	56.1	2,147	57.3	2,069	59.2	8,416	56.8
Total*	Unknown	15	0.4	30	0.8	25	0.7	10	0.3	80	0.5
	0-9	5	0.1	6	0.2	3	0.1	2	0.1	16	0.1
	10-14	27	0.7	26	0.7	32	0.9	26	0.7	111	0.7
	15-19	1,093	29.7	1,086	28.0	1,055	28.2	943	27.0	4,177	28.2
	20-24	1,276	34.6	1,377	35.5	1,347	35.9	1,286	36.8	5,286	35.7
	25-29	567	15.4	644	16.6	618	16.5	612	17.5	2,441	16.5
	30-34	301	8.2	309	8.0	289	7.7	271	7.8	1,170	7.9
	35-39	161	4.4	172	4.4	151	4.0	156	4.5	640	4.3
	40-44	94	2.6	108	2.8	96	2.6	83	2.4	381	2.6
	45-54	114	3.1	87	2.2	112	3.0	80	2.3	393	2.7
	55-64	26	0.7	33	0.9	14	0.4	22	0.6	95	0.6
	65+	7	0.2	4	0.1	5	0.1	5	0.1	21	0.1
	Total	3,686	100.0	3,882	100.0	3,747	100.0	3,496	100.0	14,811	100.0

* Total includes 110 cases with unreported gender

NORTH CAROLINA STD/HIV REPORTS- January through December, 2009

2009 Gonorrhea Reports		1st Qtr		2nd Qtr		3rd Qtr		4th Qtr		Year to Date	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Sex	Race/Ethnicity										
Male	Unknown	407	11.0	425	10.9	418	11.2	417	11.9	1,667	11.3
	White*	124	3.4	125	3.2	103	2.7	88	2.5	440	3.0
	Black*	1,045	28.4	1,055	27.2	1,004	26.8	854	24.4	3,958	26.7
	American Indian*	22	0.6	16	0.4	15	0.4	15	0.4	68	0.5
	Asian, Pac Islander*	5	0.1	5	0.1	3	0.1	3	0.1	16	0.1
	Hispanic	42	1.1	33	0.9	33	0.9	28	0.8	136	0.9
	Total	1,645	44.6	1,659	42.7	1,576	42.1	1,405	40.2	6,285	42.4
Female	Race/Ethnicity										
	Unknown	437	11.9	557	14.3	528	14.1	567	16.2	2,089	14.1
	White*	271	7.4	273	7.0	255	6.8	256	7.3	1,055	7.1
	Black*	1,218	33.0	1,269	32.7	1,292	34.5	1,170	33.5	4,949	33.4
	American Indian*	39	1.1	29	0.7	35	0.9	27	0.8	130	0.9
	Asian, Pac Islander*	6	0.2	6	0.2	7	0.2	8	0.2	27	0.2
	Hispanic	50	1.4	45	1.2	30	0.8	41	1.2	166	1.1
	Total	2,021	54.8	2,179	56.1	2,147	57.3	2,069	59.2	8,416	56.8
Total**	Race/Ethnicity										
	Unknown	849	23.0	1,013	26.1	960	25.6	1,000	28.6	3,822	25.8
	White*	399	10.8	399	10.3	360	9.6	345	9.9	1,503	10.1
	Black*	2,274	61.7	2,335	60.1	2,303	61.5	2,028	58.0	8,940	60.4
	American Indian*	61	1.7	45	1.2	50	1.3	43	1.2	199	1.3
	Asian, Pac Islander*	11	0.3	11	0.3	10	0.3	11	0.3	43	0.3
	Hispanic	92	2.5	79	2.0	64	1.7	69	2.0	304	2.1
	Total	3,686	100.0	3,882	100.0	3,747	100.0	3,496	100.0	14,811	100.0

*non Hispanic **Total includes 110 cases with unreported gender

NORTH CAROLINA STD/HIV REPORTS- January through December, 2009

2009 Early Syphilis Reports		1st Qtr		2nd Qtr		3rd Qtr		4th Qtr		Year to Date	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Sex	Age Group										
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	0	0.0	0	0.0
	15-19	9	4.8	13	5.4	8	3.1	13	5.1	43	4.6
	20-24	25	13.2	37	15.5	42	16.5	45	17.6	149	15.9
	25-29	27	14.3	36	15.1	36	14.2	36	14.1	135	14.4
	30-34	15	7.9	26	10.9	22	8.7	23	9.0	86	9.2
	35-39	18	9.5	24	10.0	25	9.8	18	7.1	85	9.1
	40-44	20	10.6	17	7.1	20	7.9	26	10.2	83	8.9
	45-54	27	14.3	29	12.1	24	9.4	26	10.2	106	11.3
	55-64	6	3.2	10	4.2	9	3.5	7	2.7	32	3.4
	65+	0	0.0	2	0.8	2	0.8	0	0.0	4	0.4
	Total	147	77.8	194	81.2	188	74.0	194	76.1	723	77.2
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	3	1.6	4	1.7	10	3.9	5	2.0	22	2.3
	20-24	10	5.3	13	5.4	16	6.3	22	8.6	61	6.5
	25-29	9	4.8	7	2.9	15	5.9	13	5.1	44	4.7
	30-34	3	1.6	6	2.5	9	3.5	9	3.5	27	2.9
	35-39	8	4.2	5	2.1	7	2.8	8	3.1	28	3.0
	40-44	5	2.6	4	1.7	3	1.2	1	0.4	13	1.4
	45-54	3	1.6	5	2.1	5	2.0	3	1.2	16	1.7
	55-64	1	0.5	1	0.4	0	0.0	0	0.0	2	0.2
	65+	0	0.0	0	0.0	1	0.4	0	0.0	1	0.1
	Total	42	22.2	45	18.8	66	26.0	61	23.9	214	22.8
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	0	0.0	0	0.0
	15-19	12	6.3	17	7.1	18	7.1	18	7.1	65	6.9
	20-24	35	18.5	50	20.9	58	22.8	67	26.3	210	22.4
	25-29	36	19.0	43	18.0	51	20.1	49	19.2	179	19.1
	30-34	18	9.5	32	13.4	31	12.2	32	12.5	113	12.1
	35-39	26	13.8	29	12.1	32	12.6	26	10.2	113	12.1
	40-44	25	13.2	21	8.8	23	9.1	27	10.6	96	10.2
	45-54	30	15.9	34	14.2	29	11.4	29	11.4	122	13.0
	55-64	7	3.7	11	4.6	9	3.5	7	2.7	34	3.6
	65+	0	0.0	2	0.8	3	1.2	0	0.0	5	0.5
	Total	189	100.0	239	100.0	254	100.0	255	100.0	937	100.0

NORTH CAROLINA STD/HIV REPORTS- January through December, 2009

2009 Early Syphilis Reports		1st Qtr		2nd Qtr		3rd Qtr		4th Qtr		Year to Date	
		Cases	%	Cases	%	Cases	%	Cases	%	Cases	%
Sex	Race/Ethnicity										
Male	Unknown	0	0.0	0	0.0	1	0.4	1	0.4	2	0.2
	White*	29	15.3	41	17.2	43	16.9	36	14.1	149	15.9
	Black*	112	59.3	143	59.8	137	53.9	145	56.9	537	57.3
	American Indian*	1	0.5	3	1.3	1	0.4	1	0.4	6	0.6
	Asian, Pac Islander*	2	1.1	0	0.0	0	0.0	2	0.8	4	0.4
	Hispanic	3	1.6	7	2.9	6	2.4	9	3.5	25	2.7
	Total	147	77.8	194	81.2	188	74.0	194	76.1	723	77.2
Female	Race/Ethnicity										
	Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	White*	9	4.8	10	4.2	15	5.9	20	7.8	54	5.8
	Black*	30	15.9	31	13.0	46	18.1	37	14.5	144	15.4
	American Indian*	0	0.0	1	0.4	0	0.0	0	0.0	1	0.1
	Asian, Pac Islander*	0	0.0	0	0.0	1	0.4	0	0.0	1	0.1
	Hispanic	3	1.6	3	1.3	4	1.6	4	1.6	14	1.5
	Total	42	22.2	45	18.8	66	26.0	61	23.9	214	22.8
Total	Race/Ethnicity										
	Unknown	0	0.0	0	0.0	1	0.4	1	0.4	2	0.2
	White*	38	20.1	51	21.3	58	22.8	56	22.0	203	21.7
	Black*	142	75.1	174	72.8	183	72.0	182	71.4	681	72.7
	American Indian*	1	0.5	4	1.7	1	0.4	1	0.4	7	0.7
	Asian, Pac Islander*	2	1.1	0	0.0	1	0.4	2	0.8	5	0.5
	Hispanic	6	3.2	10	4.2	10	3.9	13	5.1	39	4.2
	Total	189	100.0	239	100.0	254	100.0	255	100.0	937	100.0

*non Hispanic

NORTH CAROLINA STD/HIV REPORTS- January through December, 2007-2009

YEAR TO DATE	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2007 Jan-Dec	2008 Jan-Dec	2009 Jan-Dec	2007 Jan-Dec	2008 Jan-Dec	2009 Jan-Dec	2007 Jan-Dec	2008 Jan-Dec	2009 Jan-Dec	2007 Jan-Dec	2008 Jan-Dec	2009 Jan-Dec
ALAMANCE	409	586	555	258	226	204	5	5	2	2	1	5
ALEXANDER	44	59	91	13	11	12	0	0	0	0	0	0
ALLEGHANY	4	7	11	2	0	0	0	0	0	0	0	0
ANSON	122	158	215	96	106	168	0	0	0	0	2	0
ASHE	12	25	24	1	4	1	0	0	0	0	0	0
AVERY	8	11	15	0	2	1	0	0	0	0	0	0
BEAUFORT	196	227	224	112	75	89	0	0	3	0	0	1
BERTIE	102	174	137	53	70	54	0	0	0	0	0	0
BLADEN	151	206	213	51	60	56	1	0	1	0	0	4
BRUNSWICK	225	208	239	104	69	43	2	2	0	3	4	2
BUNCOMBE	596	676	653	248	185	174	3	7	9	2	10	7
BURKE	130	213	274	76	69	57	2	1	2	0	2	2
CABARRUS	595	594	681	241	145	154	2	2	4	3	2	4
CALDWELL	178	158	177	103	52	33	0	1	0	0	0	0
CAMDEN	19	15	13	12	6	3	0	0	1	0	0	0
CARTERET	134	165	247	50	32	42	2	0	0	2	0	0
CASWELL	33	65	88	29	21	28	0	0	0	0	0	0
CATAWBA	424	425	535	233	184	158	2	1	3	0	0	1
CHATHAM	85	95	144	45	21	26	1	0	0	0	0	2
CHEROKEE	40	27	22	4	0	1	0	1	0	0	0	0
CHOWAN	47	56	100	27	24	33	1	0	0	0	0	0
CLAY	8	10	8	2	1	0	0	0	0	0	0	0
CLEVELAND	325	356	402	208	174	126	5	3	3	1	1	0
COLUMBUS	208	279	264	112	107	82	0	0	1	2	1	0
CRAVEN	467	585	602	130	181	116	6	3	3	6	1	3
CUMBERLAND	2,194	2,311	2,802	1,274	1,138	1,069	12	12	9	6	7	9
CURRITUCK	33	33	42	21	12	21	0	0	1	0	0	0
DARE	43	27	72	15	10	15	0	0	1	0	0	0
DAVIDSON	317	401	449	140	106	75	1	0	3	2	0	2
DAVIE	50	79	103	34	18	18	0	3	0	1	0	0
DUPLIN	208	257	210	87	46	67	0	0	2	2	3	0
DURHAM	1,218	1,460	1,471	810	728	561	31	24	25	16	15	15
EDGECOMBE	471	546	621	377	289	277	4	3	9	7	10	8
FORSYTH	2,193	2,332	3,048	882	662	847	13	26	122	18	20	73
FRANKLIN	149	148	170	101	88	81	1	2	1	3	1	2
GASTON	688	700	773	362	411	383	5	5	12	5	0	8
GATES	32	41	35	22	16	11	0	1	0	0	0	0
GRAHAM	5	15	9	0	2	0	0	0	0	0	0	0
GRANVILLE	169	205	224	77	86	68	1	0	1	0	1	3
GREENE	110	135	118	54	52	39	2	0	2	1	0	1
GUILFORD	2,282	2,333	2,994	1,702	1,034	1,100	23	34	46	22	16	22
HALIFAX	449	478	402	242	151	176	2	2	1	2	0	1
HARNETT	204	366	334	153	160	85	1	0	2	1	0	1
HAYWOOD	80	41	98	21	3	14	0	1	1	1	0	1
HENDERSON	157	153	137	55	42	29	0	0	3	0	0	2
HERTFORD	101	157	189	41	73	89	0	0	0	0	0	1
HOKE	114	200	223	66	86	70	0	1	0	0	1	1
HYDE	17	25	16	4	4	4	0	0	1	0	0	0
IREDELL	340	442	516	274	236	235	0	0	3	1	1	0
JACKSON	65	96	122	17	17	11	0	2	2	0	0	0
JOHNSTON	254	524	407	147	229	128	5	2	2	5	3	2

NORTH CAROLINA STD/HIV REPORTS- January through December, 2007-2009

YEAR TO DATE	CHLAMYDIA			GONORRHEA			P. & S. SYPHILIS			E. L. SYPHILIS		
	2007 Jan-Dec	2008 Jan-Dec	2009 Jan-Dec	2007 Jan-Dec	2008 Jan-Dec	2009 Jan-Dec	2007 Jan-Dec	2008 Jan-Dec	2009 Jan-Dec	2007 Jan-Dec	2008 Jan-Dec	2009 Jan-Dec
JONES	33	31	38	12	10	13	1	0	0	0	0	0
LEE	169	182	230	80	59	50	0	0	4	0	1	2
LENOIR	303	320	351	191	166	128	3	0	4	2	3	0
LINCOLN	109	141	172	36	38	44	1	1	2	0	0	0
MACON	32	39	37	2	1	2	0	0	1	0	0	0
MADISON	15	32	24	6	6	8	0	0	1	0	1	2
MARTIN	124	130	162	50	35	63	1	1	1	0	1	0
MCDOWELL	56	97	88	37	31	27	0	0	1	1	1	0
MECKLENBURG	1,740	4,018	5,840	1,181	1,872	2,035	93	48	117	48	43	57
MITCHELL	12	17	12	0	2	0	0	0	0	0	0	0
MONTGOMERY	58	82	64	26	20	21	0	0	0	0	0	0
MOORE	210	310	192	121	106	98	2	1	2	1	4	1
NASH	433	578	581	341	256	225	8	11	7	7	5	2
NEW HANOVER	698	910	891	336	373	312	13	10	7	22	12	7
NORTHAMPTON	157	134	143	73	74	61	0	2	1	0	0	0
ONSLow	972	1,072	1,081	202	296	273	2	0	2	1	2	1
ORANGE	233	327	379	96	77	82	6	3	6	2	0	3
PAMLICO	28	37	35	2	3	5	0	0	0	0	0	0
PASQUOTANK	153	206	258	110	116	137	0	0	1	0	0	0
PENDER	101	164	124	48	33	31	0	3	1	1	2	0
PERQUIMANS	45	36	66	25	12	24	0	0	0	0	0	0
PERSON	103	164	124	46	33	28	0	0	1	0	0	0
PITT	909	1,224	1,405	503	535	581	4	9	9	3	3	6
POLK	29	25	14	9	5	5	0	0	1	0	0	0
RANDOLPH	210	280	308	63	61	50	0	1	1	2	0	4
RICHMOND	220	161	286	140	74	144	0	1	0	0	0	1
ROBESON	833	1,034	1,035	479	670	464	6	0	2	9	5	1
ROCKINGHAM	221	301	334	124	96	92	3	3	0	2	1	1
ROWAN	436	599	556	249	241	227	3	0	3	2	0	2
RUTHERFORD	176	200	183	110	70	30	0	0	2	1	0	1
SAMPSON	175	235	249	171	93	81	1	1	1	2	1	1
SCOTLAND	241	236	182	156	99	101	1	0	1	0	1	0
STANLY	99	160	235	66	32	104	2	0	0	1	1	0
STOKES	65	79	84	21	10	14	0	1	2	0	2	0
SURRY	82	97	105	20	16	24	0	1	0	0	1	1
SWAIN	27	23	20	1	4	1	0	0	0	0	0	0
TRANSYLVANIA	22	61	69	24	13	19	1	0	1	0	0	0
TYRRELL	16	23	24	3	9	9	0	0	0	0	0	0
UNION	242	360	485	208	164	204	0	0	4	0	2	3
UNKNOWN	1	0	0	0	0	0	1	0	0	0	1	0
VANCE	299	263	370	218	130	168	0	2	2	0	0	2
WAKE	2,777	3,121	3,590	1,192	1,030	1,010	27	25	72	12	12	43
WARREN	118	91	107	70	49	43	0	0	2	0	0	1
WASHINGTON	62	80	70	25	33	30	0	0	0	2	0	2
WATAUGA	34	59	79	5	7	5	0	0	0	0	0	0
WAYNE	423	718	712	181	259	332	9	15	33	8	13	26
WILKES	85	130	154	7	14	16	0	0	0	0	1	0
WILSON	457	341	585	384	137	238	1	4	3	2	1	3
YADKIN	50	47	69	25	15	13	2	0	1	0	0	1
YANCEY	14	25	13	3	3	5	0	0	0	0	0	0
TOTAL	30,612	37,885	43,734	16,666	15,012	14,811	324	287	580	245	222	357

NORTH CAROLINA HIV CASES- January through December, 2007-2009

HIV By County	2007 Jan-Dec	2008 Jan-Dec	2009 Jan-Dec
ALAMANCE	23	96	13
ALEXANDER	1	4	3
ALLEGHANY	2	0	0
ANSON	0	5	3
ASHE	3	1	0
AVERY	1	1	2
BEAUFORT	10	11	8
BERTIE	4	7	3
BLADEN	5	6	18
BRUNSWICK	12	20	11
BUNCOMBE	30	39	28
BURKE	8	9	10
CABARRUS	13	40	41
CALDWELL	2	6	2
CAMDEN	0	0	5
CARTERET	3	8	4
CASWELL	4	10	6
CATAWBA	23	19	10
CHATHAM	8	18	11
CHEROKEE	3	4	1
CHOWAN	0	3	1
CLAY	1	0	1
CLEVELAND	14	13	15
COLUMBUS	14	12	10
CRAVEN	18	16	12
CUMBERLAND	108	167	73
CURRITUCK	3	1	1
DARE	1	3	1
DAVIDSON	14	22	23
DAVIE	2	1	0
DUPLIN	10	11	14
DURHAM	87	198	87
EDGECOMBE	24	20	25
FORSYTH	87	89	85
FRANKLIN	3	14	16
GASTON	29	36	46
GATES	1	3	2
GRAHAM	0	0	0
GRANVILLE	9	25	11
GREENE	2	2	2
GUILFORD	186	194	128
HALIFAX	10	24	7
HARNETT	8	34	20
HAYWOOD	5	6	5
HENDERSON	10	4	8
HERTFORD	8	10	2
HOKE	7	21	9
HYDE	0	0	0
IREDELL	7	17	9
JACKSON	1	3	1
JOHNSTON	13	65	23
JONES	0	1	7
LEE	8	30	2

HIV By County	2007 Jan-Dec	2008 Jan-Dec	2009 Jan-Dec
LENOIR	22	12	6
LINCOLN	4	3	3
MACON	1	2	2
MADISON	0	1	0
MARTIN	10	0	0
MCDOWELL	1	1	2
MECKLENBURG	410	451	379
MITCHELL	1	1	3
MONTGOMERY	3	9	2
MOORE	10	36	7
NASH	18	31	11
NEW HANOVER	36	61	26
NORTHAMPTON	5	17	5
ONSLow	10	20	14
ORANGE	20	84	8
PAMLICO	1	3	0
PASQUOTANK	7	9	2
PENDER	3	5	4
PERQUIMANS	0	4	2
PERSON	8	7	2
PITT	41	39	28
POLK	1	2	2
RANDOLPH	12	18	6
RICHMOND	16	29	7
ROBESON	44	49	31
ROCKINGHAM	8	14	6
ROWAN	20	19	15
RUTHERFORD	0	5	3
SAMPSON	7	20	9
SCOTLAND	4	19	4
STANLY	8	3	5
STOKES	4	1	0
SURRY	1	3	6
SWAIN	1	0	0
TRANSYLVANIA	2	2	3
TYRRELL	1	0	0
UNION	19	21	23
VANCE	10	22	6
WAKE	233	336	164
WARREN	2	4	1
WASHINGTON	8	5	3
WATAUGA	1	3	2
WAYNE	16	23	17
WILKES	5	6	1
WILSON	21	25	26
YADKIN	2	3	0
YANCEY	1	0	3
UNASSIGNED*	107	91	95
TOTAL	2,010	2,868	1,769

* Unassigned includes cases with unknown county of residence at diagnosis or cases that were diagnosed at a long-term care facility such as prisons.

NORTH CAROLINA AIDS CASES- January through December, 2007-2009

AIDS BY COUNTY	2007 Jan-Dec	2008 Jan-Dec	2009 Jan-Dec
ALAMANCE	9	45	13
ALEXANDER	0	3	3
ALLEGHANY	0	0	0
ANSON	0	5	1
ASHE	0	0	0
AVERY	1	1	1
BEAUFORT	3	7	8
BERTIE	3	2	4
BLADEN	2	6	7
BRUNSWICK	7	15	7
BUNCOMBE	8	12	15
BURKE	0	5	8
CABARRUS	7	7	14
CALDWELL	2	3	1
CAMDEN	0	0	3
CARTERET	1	6	4
CASWELL	2	5	1
CATAWBA	11	9	10
CHATHAM	4	8	3
CHEROKEE	2	1	0
CHOWAN	0	2	5
CLAY	0	0	0
CLEVELAND	12	7	11
COLUMBUS	9	9	8
CRAVEN	11	10	14
CUMBERLAND	51	84	50
CURRITUCK	0	0	3
DARE	0	1	3
DAVIDSON	5	14	14
DAVIE	0	1	0
DUPLIN	4	9	6
DURHAM	33	85	45
EDGECOMBE	10	15	21
FORSYTH	30	31	53
FRANKLIN	3	6	8
GASTON	10	17	26
GATES	0	1	2
GRAHAM	0	0	0
GRANVILLE	4	5	8
GREENE	1	1	3
GUILFORD	55	84	69
HALIFAX	7	12	13
HARNETT	6	27	14
HAYWOOD	1	4	3
HENDERSON	8	2	4
HERTFORD	4	4	6
HOKE	3	13	7
HYDE	0	0	0
IREDELL	3	7	7
JACKSON	0	0	1
JOHNSTON	11	42	20
JONES	0	2	7
LEE	6	13	9

AIDS BY COUNTY	2007 Jan-Dec	2008 Jan-Dec	2009 Jan-Dec
LENOIR	9	12	11
LINCOLN	0	3	0
MACON	1	1	0
MADISON	0	0	0
MARTIN	3	1	4
MCDOWELL	2	0	1
MECKLENBURG	168	148	201
MITCHELL	0	0	1
MONTGOMERY	0	6	1
MOORE	8	22	4
NASH	13	16	12
NEW HANOVER	25	31	14
NORTHAMPTON	2	4	4
ONslow	4	8	6
ORANGE	3	35	3
PAMLICO	0	0	0
PASQUOTANK	3	3	1
PENDER	1	3	2
PERQUIMANS	1	1	2
PERSON	5	5	2
PITT	23	20	21
POLK	1	0	1
RANDOLPH	4	7	4
RICHMOND	5	15	8
ROBESON	22	24	10
ROCKINGHAM	3	8	3
ROWAN	7	10	7
RUTHERFORD	1	2	1
SAMPSON	10	16	7
SCOTLAND	5	14	2
STANLY	4	2	2
STOKES	2	0	0
SURRY	0	3	0
SWAIN	1	0	0
TRANSYLVANIA	2	0	1
TYRRELL	0	0	0
UNION	7	8	11
VANCE	5	7	4
WAKE	126	168	117
WARREN	1	0	0
WASHINGTON	5	3	1
WATAUGA	0	1	3
WAYNE	9	13	9
WILKES	2	2	0
WILSON	15	14	20
YADKIN	2	1	0
YANCEY	1	0	1
UNASSIGNED*	58	46	71
TOTAL	918	1,331	1,116

* Unassigned includes cases with unknown county of residence at diagnosis or cases that were diagnosed at a long-term care facility such as prisons.