

2020 SELECTED REPORTABLE COMMUNICABLE DISEASES DATA BRIEF



According to the NC Administrative Code (rule 10A NCAC 41A.0101), 81 communicable disease conditions are legally required to be reported to the Division of Public Health within specified timeframes, depending on the disease. Some of these conditions rarely if ever occur in Guilford County. The following table includes selected reportable diseases, organized by means of transmission. Please note that some conditions can be transmitted in more than one manner. Hepatitis A, for example, is most commonly transmitted through contaminated food or drink but can also be transmitted through person-to-person contact and Hepatitis C, is typically transmitted through contaminated blood, but in some circumstances, can be transmitted sexually.

Reportable Disease	2015		2016		2017		2018		2019	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
<i>Water or Food-Borne Disease</i>										
Campylobacter	29	5.6	36	6.9	38	7.2	13	2.4	16	3.0
Cryptosporidiosis	10	1.9	11	2.1	10	1.9	18	3.4	14	2.6
Escherichia Coli (E. Coli)	6	1.2	17	3.3	21	4.0	7	1.3	4	0.7
Listeriosis	1	0.2	3	0.6	0	0.0	2	0.4	1	0.2
Salmonella	64	12.4	42	8.1	45	8.5	48	9.0	40	7.4
Shigellosis	17	3.3	14	2.7	16	3.0	4	0.8	14	2.6
<i>Hepatitises</i>										
Hepatitis A	NA		5	1.0	2	0.4	2	0.4	10	1.9
Hepatitis B (acute)	2	0.4	7	1.3	12	2.3	13	2.4	17	3.2
Hepatitis B (chronic carrier)	21	4.1	29	5.6	30	5.7	29	5.4	31	5.8
Hepatitis B (perinatally acquired) ¹	NA		NA		NA		NA		8 ¹	1.5
Hepatitis C (acute)	4	0.8	4	0.8	5	0.9	7	1.3	7	1.3
Hepatitis C (chronic carrier)	1	0.2	151	29.0	758	143.8	893	167.5	735	137.8
<i>Sexually Transmitted</i>										
Chlamydia	4,138	799.5	4,102	786.8	4,731	897.8	5,162	968.1	5,413	1007.7
Gonorrhea	1,656	320.0	1,776	340.7	1,713	325.1	1,965	368.5	2,327	433.2
Syphilis (congenital)	NA		NA		NA		NA		NA	
Syphilis (primary & secondary)	120	23.2	98	18.8	111	21.1	85	15.9	181	33.9
Syphilis (early latent)	199	38.4	176	33.8	178	33.8	148	27.8	231	43.3
Acute (HIV & AIDS)	NA		NA		NA		NA		NA	
HIV – new infections	121	23.4	139	26.9	132	25.3	114	21.6	123	23.1
HIV – new AIDS cases	36	7.0	30	5.8	30	5.8	24	4.6	29	5.4
<i>Airborne</i>										
Coronavirus (COVID-19)	NA		NA		NA		NA		NA	
Tuberculosis	21	4.1	19	3.6	21	4.0	17	3.2	11	2.0
Legionellosis	1	0.2	36	6.9	24	4.6	14	2.6	10	1.9
Haemophilus influenzae	7	1.4	7	1.4	7	1.3	8	1.5	NA	
Measles	NA		NA		NA		NA		NA	
Meningococcal invasive disease	NA		NA		NA		1	0.2	NA	
Meningitis, pneumococcal	NA		NA		2	0.4	5	1.0	1	0.2
Mumps	NA		NA		NA		NA		51	9.4
Pertussis (whooping cough)	12	2.3	10	1.9	11	2.1	6	1.1	6	1.1

Reportable Disease	2015		2016		2017		2018		2019	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
<i>Vector-borne</i>										
Lyme disease	4	0.8	1	0.2	8	1.5	1	0.2	0	0.0
Malaria	2	0.4	13	2.5	10	1.9	11	2.1	15	2.8
Rocky Mountain spotted fever	1	0.2	1	0.2	22	4.2	0	0.0	0	0.0
Zika virus disease	NA		4	0.8	NA		NA		NA	
Population	517,600		521,330		526,953		533,213		537,174	
Resident live births	6,095		6,258		6,218		6,115		6,045	

Sources: NC Electronic Disease Surveillance System (NCEDSS), 2019 data downloaded August 31, 2020; 2019 HIV Infection Data preliminary, from North Carolina HIV/STD Quarterly Surveillance Report; NC DHHS Communicable Disease Branch.

Technical Notes:

*Rates are expressed per 100,000 population. Please note that rates based on small numbers (fewer than 20 cases) are unstable and should be interpreted with caution.

¹ 2019 Hepatitis B (perinatally acquired) cases were investigated by LHD but not yet reported to CDC. Data source for risk denominator was Resident Live Births for 2019.

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For more information about Guilford County health statistics, visit
<https://www.guilfordcountync.gov/our-county/human-services/health-department/health-statistics>