

2021 SELECTED REPORTABLE COMMUNICABLE DISEASE 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 are rarely if ever reported to 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 | 2017 | | 2018 | | 2019 | | 2020 | |
|---|--------|-------|--------|-------|----------------|------------------|----------------|------------------|
| | Number | Rate* | Number | Rate* | Number | Rate* | Number | Rate* |
| <i>Water or Food-Borne Disease</i> | | | | | | | | |
| Campylobacter | 38 | 7.2 | 13 | 2.4 | 79 | 14.7 | 48 | 8.9 |
| Carbapenem Resistant Enterobacteriaceae | NA | | NA | | 6 | 1.1 | 3 | 0.6 |
| Cryptosporidiosis | 10 | 1.9 | 18 | 3.4 | 10 | 1.9 | 10 | 1.8 |
| Escherichia Coli | 21 | 4.0 | 7 | 1.3 | 21 | 3.9 | 7 | 1.3 |
| Listeriosis | 0 | 0.0 | 2 | 0.4 | 1 | 0.2 | 2 | 0.4 |
| Salmonella | 45 | 8.5 | 48 | 9.0 | 95 | 17.7 | 75 | 13.9 |
| Shigellosis | 16 | 3.0 | 4 | 0.8 | 14 | 2.6 | 13 | 2.4 |
| <i>Hepatitises</i> | | | | | | | | |
| Hepatitis A | 2 | 0.4 | 2 | 0.4 | 10 | 1.9 | 12 | 2.2 |
| Hepatitis B (acute) | 12 | 2.3 | 13 | 2.4 | 16 | 3.0 | 3 | 0.6 |
| Hepatitis B (chronic carrier) | 30 | 5.7 | 29 | 5.4 | 86 | 16.0 | 46 | 8.5 |
| Hepatitis B (perinatally acquired) ¹ | NA | | NA | | 8 ¹ | 1.5 ² | 6 ¹ | 1.0 ² |
| Hepatitis C (acute) | 5 | 0.9 | 7 | 1.3 | 10 | 1.9 | 2 | 0.4 |
| Hepatitis C (chronic carrier) | 758 | 143.8 | 893 | 167.5 | 506 | 94.1 | 506 | 93.6 |
| <i>Sexually Transmitted</i> | | | | | | | | |
| Chlamydia | 4,731 | 897.8 | 5,162 | 968.1 | 5,413 | 1006.4 | 4,610 | 852.9 |
| Gonorrhea | 1,713 | 325.1 | 1,965 | 368.5 | 2,337 | 434.5 | 2,221 | 410.9 |
| Non-Gonococcal Urethritis | NA | | NA | | 172 | 32.0 | 73 | 13.5 |
| Pelvic Inflammatory Disease (PID) | NA | | NA | | 3 | 0.6 | 4 | 0.7 |
| Syphilis (Primary & Secondary) | 111 | 21.1 | 85 | 15.9 | 79 | 14.7 | 94 | 17.4 |
| Syphilis (Early Latent) | 178 | 33.8 | 148 | 27.8 | 98 | 18.2 | 73 | 13.5 |
| HIV – New Infections | 132 | 25.3 | 114 | 21.6 | 124 | 23.0 | 93 | 17.2 |
| HIV – New AIDS Cases | 30 | 5.8 | 24 | 4.6 | 28 | 5.2 | 34 | 6.3 |

| Reportable Disease | 2017 | | 2018 | | 2019 | | 2020 | |
|--------------------------------|---------|-------|---------|-------|---------|-------|---------|---------|
| | Number | Rate* | Number | Rate* | Number | Rate* | Number | Rate* |
| Airborne | | | | | | | | |
| Coronavirus (COVID-19) | NA | | NA | | NA | | 47,465 | 8,781.3 |
| Tuberculosis | 21 | 4.0 | 17 | 3.2 | 11 | 2.0 | 10 | 1.8 |
| Legionellosis | 24 | 4.6 | 14 | 2.6 | 10 | 1.9 | 8 | 1.5 |
| Haemophilus Influenzae | 7 | 1.3 | 8 | 1.5 | 13 | 2.4 | 2 | 0.4 |
| Meningococcal invasive disease | NA | | 1 | 0.2 | NA | | NA | |
| Meningitis, pneumococcal | 2 | 0.4 | 5 | 1.0 | 1 | 0.19 | 1 | 0.2 |
| Mumps | NA | | NA | | 50 | 9.3 | 1 | 0.2 |
| Pertussis (Whooping Cough) | 11 | 2.1 | 6 | 1.1 | 19 | 3.5 | 4 | 0.7 |
| Vector-borne | | | | | | | | |
| Lyme Disease | 8 | 1.5 | 1 | 0.2 | 1 | 0.2 | 1 | 0.2 |
| Malaria | 10 | 1.9 | 11 | 2.1 | 15 | 2.8 | 5 | 0.9 |
| Rocky Mountain Spotted Fever | 22 | 4.2 | 0 | 0.0 | 11 | 2.0 | 1 | 0.2 |
| Population | 526,953 | | 533,213 | | 537,174 | | 540,521 | |
| Resident Live Births | 6,218 | | 6,115 | | 6,045 | | 5,927 | |

Sources: NC Electronic Disease Surveillance System (NCEDSS), 2019 and 2020 data downloaded December 28, 2021; 2019 and 2020 HIV Infection Data, 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. 2019 and 2020 counts and rates include “confirmed” and “probable” case definitions.

¹ 2019 and 2020 Hepatitis B (perinatally acquired) cases were investigated by LHD but not yet reported to CDC. Data source for risk denominator was Resident Live Births.

This brief was prepared by Health Surveillance and Analysis Unit of the Division of Public Health:

Charles C. Naney, MPH, EMTB Epidemiologist II
 Laura Mroska, MPH, MSW, Community Health Educator

For more information about Guilford County health statistics, visit

<https://www.guilfordcountync.gov/our-county/human-services/health-department/health-statistics>

