

2022 SELECTED REPORTABLE COMMUNICABLE DISEASES DATA BRIEF



According to the NC Administrative Code (rule 10A NCAC 41A.0101), select communicable disease and conditions are to be reported to the Division of Public Health (DPH) within specified timeframes, depending on the disease. Some of these conditions are rarely if ever reported to occur in Guilford County.

The table below includes selected reportable diseases, organized by means of transmission. Some conditions can be transmitted in more than one manner. For example, Hepatitis 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. This year, DPH has added the following four additional categories to further characterize presentation of the conditions to describe how it is managed: *Zoonotic, Prion, Bacterial /Antibiotic Resistant, and Healthcare-Associated.*

| Reportable Disease | 2018 | | 2019 | | 2020 | | 2021 | |
|--|--------|-------|----------------|------------------|----------------|------------------|--------|-------|
| | Number | Rate* | Number | Rate* | Number | Rate* | Number | Rate* |
| Water or Food-Borne Disease | | | | | | | | |
| Campylobacter | 13 | 2.4 | 79 | 14.7 | 48 | 8.9 | 63 | 11.6 |
| Cyclosporiasis | NA | NA | NA | NA | NA | NA | 15 | 2.8 |
| Cryptosporidiosis | 18 | 3.4 | 10 | 1.9 | 10 | 1.8 | 12 | 2.2 |
| Escherichia Coli-shiga toxin producing | 7 | 1.3 | 21 | 3.9 | 7 | 1.3 | 23 | 4.2 |
| Listeriosis | 2 | 0.4 | 1 | 0.2 | 2 | 0.4 | NA | NA |
| Salmonellosis | 48 | 9.0 | 95 | 17.7 | 75 | 13.9 | 65 | 12.0 |
| Shigellosis | 4 | 0.8 | 14 | 2.6 | 13 | 2.4 | 18 | 3.3 |
| Vibrio infection (other than cholera and vulnificus) | NA | NA | NA | NA | NA | NA | 2 | 0.4 |
| Hepatitis | | | | | | | | |
| Hepatitis A | 2 | 0.4 | 10 | 1.9 | 12 | 2.2 | 4 | 0.7 |
| Hepatitis B (acute) | 13 | 2.4 | 16 | 3.0 | 3 | 0.6 | 5 | 0.9 |
| Hepatitis B (chronic carrier) | 29 | 5.4 | 86 | 16.0 | 46 | 8.5 | 59 | 10.9 |
| Hepatitis B (perinatally acquired) ¹ | NA | NA | 8 ¹ | 1.5 ² | 6 ¹ | 1.0 ² | 4 | 0.7 |
| Hepatitis C (acute) | 7 | 1.3 | 10 | 1.9 | 2 | 0.4 | NA | NA |
| Hepatitis C (chronic carrier) | 893 | 167.5 | 506 | 94.1 | 506 | 93.6 | 533 | 98.3 |
| Sexually-Transmitted | | | | | | | | |
| Chlamydia ¹ | 5,162 | 968.1 | 5,413 | 1006.4 | 4,610 | 852.9 | 4,346 | 801.2 |
| Gonorrhea | 1,965 | 368.5 | 2,337 | 434.5 | 2,221 | 410.9 | 2,347 | 432.7 |
| Non-Gonococcal Urethritis | NA | NA | 172 | 32.0 | 73 | 13.5 | 6 | 1.1 |
| Pelvic Inflammatory Disease (PID) | NA | NA | 3 | 0.6 | 4 | 0.7 | NA | NA |
| Syphilis (Primary & Secondary) | 85 | 15.9 | 79 | 14.7 | 94 | 17.4 | 169 | 31.2 |
| Syphilis (Early Latent) | 148 | 27.8 | 98 | 18.2 | 73 | 13.5 | 107 | 19.7 |
| HIV – New Infections | 114 | 21.6 | 124 | 23.0 | 93 | 17.2 | 134 | 24.7 |
| HIV – New AIDS Cases | 24 | 4.6 | 28 | 5.2 | 34 | 6.3 | 18 | 3.3 |

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

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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>

| Reportable Disease | 2018 | | 2019 | | 2020 | | 2021 | |
|---|---------|-------|---------|-------|---------|---------|---------|---------|
| | Number | Rate* | Number | Rate* | Number | Rate* | Number | Rate* |
| Air-borne | | | | | | | | |
| Coronavirus (COVID-19) | NA | NA | NA | NA | 47,465 | 8,781.3 | 54,143 | 9,998.2 |
| Tuberculosis | 17 | 3.2 | 11 | 2.0 | 10 | 1.9 | 10 | 1.8 |
| Legionellosis | 14 | 2.6 | 10 | 1.9 | 8 | 1.5 | 15 | 2.8 |
| Haemophilus Influenzae | 8 | 1.5 | 13 | 2.4 | 2 | 0.4 | 3 | 0.6 |
| Meningococcal invasive disease | 1 | 0.2 | NA | NA | NA | NA | NA | NA |
| Meningitis, pneumococcal | 5 | 1.0 | 1 | 0.19 | 1 | 0.2 | NA | NA |
| Mumps | NA | NA | 50 | 9.3 | 1 | 0.2 | NA | NA |
| Pertussis (Whooping Cough) | 6 | 1.1 | 19 | 3.5 | 4 | 0.7 | NA | NA |
| Influenza, adult death (18 years of age or more) | NA | NA | NA | NA | NA | NA | 1 | 0.2 |
| Zoonotic ³ | | | | | | | | |
| Chikungunya | NA | NA | NA | NA | NA | NA | 1 | 0.2 |
| Lyme Disease | 1 | 0.2 | 1 | 0.2 | 1 | 0.2 | 1 | 0.2 |
| Malaria | 11 | 2.1 | 15 | 2.8 | 5 | 0.9 | 4 | 0.7 |
| Rocky Mountain Spotted Fever | 0 | 0.0 | 11 | 2.0 | 1 | 0.2 | NA | NA |
| Spotted Fever Rickettsiosis | NA | NA | NA | NA | NA | NA | 2 | 0.4 |
| Prion ⁴ | | | | | | | | |
| Creutzfeldt-Jakob Disease | NA | NA | NA | NA | NA | NA | 2 | 0.4 |
| Bacterial /Antibiotic Resistant ⁵ | | | | | | | | |
| Streptococcal invasive infection, Group A | NA | NA | NA | NA | NA | NA | 12 | 2.2 |
| Toxic Shock Syndrome, streptococcal | NA | NA | NA | NA | NA | NA | 1 | 0.2 |
| Healthcare-Associated ⁶ | | | | | | | | |
| Carbapenem Resistant Enterobacteriaceae (CRE) | NA | NA | 6 | 1.1 | 3 | 0.6 | 8 | 1.5 |
| Population | 533,213 | | 537,174 | | 540,521 | | 542,410 | |
| Resident Live Births | 6,115 | | 6,045 | | 5,927 | | 5,790 | |

Sources:

NC Electronic Disease Surveillance System (NCEdSS), 2019 and 2020 data downloaded December 28, 2020; 2019 and 2020 HIV Infection Data, from North Carolina HIV/STD Quarterly Surveillance Report; NC DHHS Communicable Disease Branch. U.S. Census Bureau (2022). Population estimates, July 1, 2022, (V2022). Retrieved from <https://www.census.gov/quickfacts/guilfordcountynorthcarolina>. Centers for Disease Control and Prevention, National Center for Health Statistics. National Vital Statistics System, Natality on CDC WONDER Online Database.

Data are from the Natality Records 2016-2021, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Accessed at <http://wonder.cdc.gov/natality-expanded-current.html>

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 thru 2021 counts and rates include “confirmed” and “probable” case definitions.

¹ Lymphogranuloma venereum cases included in number count with Chlamydia starting in 2021.

² 2019 thru 2021 Hepatitis B (perinatally acquired) cases were investigated by LHD but not yet reported to CDC. Data source for risk denominator was Resident Live Births.

³ Zoonotic: Animal to human transmission.

⁴ Prion: Human prion protein specific diseases impacting the brain.

⁵ Bacterial /Antibiotic Resistant: Antimicrobial-resistant or susceptible bacterial infections.

⁶ Healthcare-Associated: Infections associated with transmission in a healthcare setting.