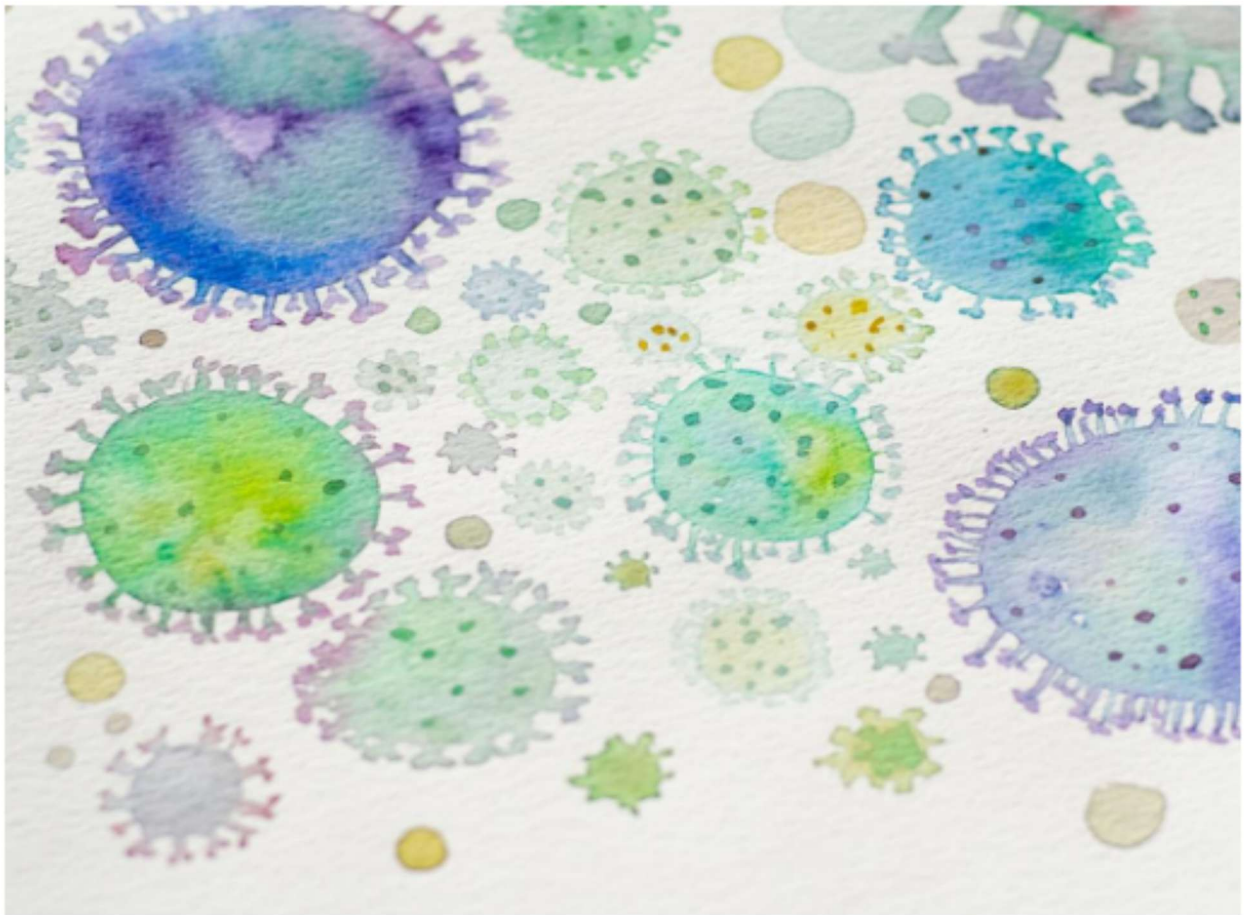




2019 Surry County Substance Use Disorder Communicable Disease Update Basic Data Overview



Surry County Office of Substance Abuse Recovery
June 2021



2019 Surry County Communicable Disease Update

This document is based off data from the 2019 *North Carolina HIV/STD/Hepatitis Surveillance Report*¹. Tracking Communicable Diseases is well known to be an important part of identifying and tracking key indicators related to Substance Use Disorder (SUD) Clients and the overall impact of SUD on the community at large.

This report is part of a larger data collection and analysis effort by the Surry County Substance Abuse Recovery Office. The following data is included the publication:

- HIV Annual Report Data for 2019
- Sexually Transmitted Report Data for 2019
- Hepatitis B and C Annual Report Data for 2019

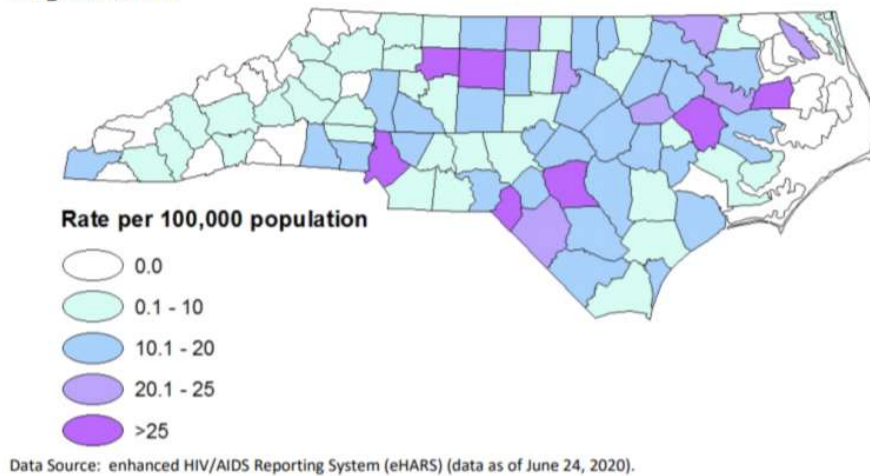
¹ Branch, C. (2021). NC DPH: HIV/STD Facts & Figures. Retrieved 22 June 2021, from <https://epi.dph.ncdhhs.gov/cd/stds/annualrpts.html>

2019 North Carolina HIV Surveillance Report

County Rate Map

HIV Rate Map by County of Residence at Diagnosis, 2019

Figure 3. Newly Diagnosed HIV Rates in North Carolina by County of Residence at Diagnosis, 2019



Surry County

*Number of People Diagnosed with HIV and Residing in North Carolina by Most Recently Known **County of Residence as of 12/31/2019	85
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*All people living and diagnosed with HIV infection, regardless of the stage of infection (HIV or AIDS) and inclusive of children <13.

**Based on most recently known address from enhanced HIV/AIDS Reporting System (eHARS).

Data Source: enhanced HIV/AIDS Reporting System (eHARS) (data as of June 24, 2020).

Surry County

Newly Diagnosed HIV* Rates among Adults and Adolescents in North Carolina by County of Diagnosis, Year of Diagnosis, and Rank Order**, 2017-2019	County Rank	2017 Cases	2017 Rate***	2018 Cases	2018 Rate***	2019 Cases	2019 Rate ***	2017- 2019 Average Rate**
	73	0	0.0	2	3.3	6	9.8	4.3

*HIV infection includes all newly reported HIV infected individuals by the year of first diagnosis, regardless of the stage of infection (HIV or AIDS).

**Rank is based on a three-year average rate per 100,000 population for newly diagnosed HIV infections in the county of interest.

***Rates are expressed per 100,000 population.

Data Source: enhanced HIV/AIDS Reporting System (eHARS) (data as of June 24, 2020).

Surry County

Number of People Diagnosed with AIDS (Stage 3)* and Residing in North Carolina by Most Recently Known County** of Residence as of 12/31/2019.	37
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*Classification of AIDS (Stage 3) is defined by a CD4+ T-lymphocyte cell count of less than 200 or a CD4+ Tlymphocyte percentage of total lymphocytes of less than 14, if cell count test was not available, and happens during the year the defining test is received.

**Based on most recently known address from enhanced HIV/AIDS Reporting System (eHARS).

Surry County

HIV Testing at North Carolina Division of Public Health Funded Counseling and Testing Sites by County, 2019	Number Tested	Number Positive	% Positive	Number Newly Positive	% New Positive
	0	0	0	0	0

*New positives are defined as never been reported to surveillance.

Data Source: North Carolina Division of Public Health supported HIV testing data (HIV tests submitted to the rapid HIV tests conducted by health departments and CBOs, and tests conducted through the expanded testing program in emergency departments and community health centers) (data as of June 22, 2020).

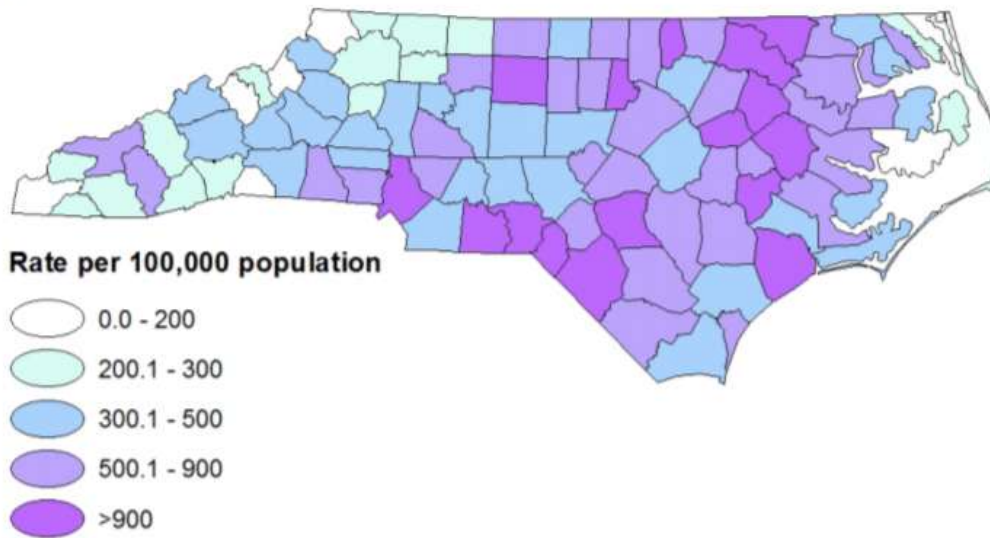
Newly Diagnosed HIV Annual Rates among Adults and Adolescents in North Carolina by Regional Networks of Care and Prevention (County of Residence at Diagnosis) by Year of Diagnosis, 2015-2019*

*HIV infection includes all newly reported HIV infected individuals by the year of first diagnosis, regardless of the stage of infection (HIV or AIDS).

Region 3 (Davidson, Davie, Forsyth, Iredell, Rowan, Stokes, Surry and Yadkin)	2015		2016		2017		2018		2019	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
North Carolina	91	10.5	126	14.3	110	12.4	109	12.2	137	15.1

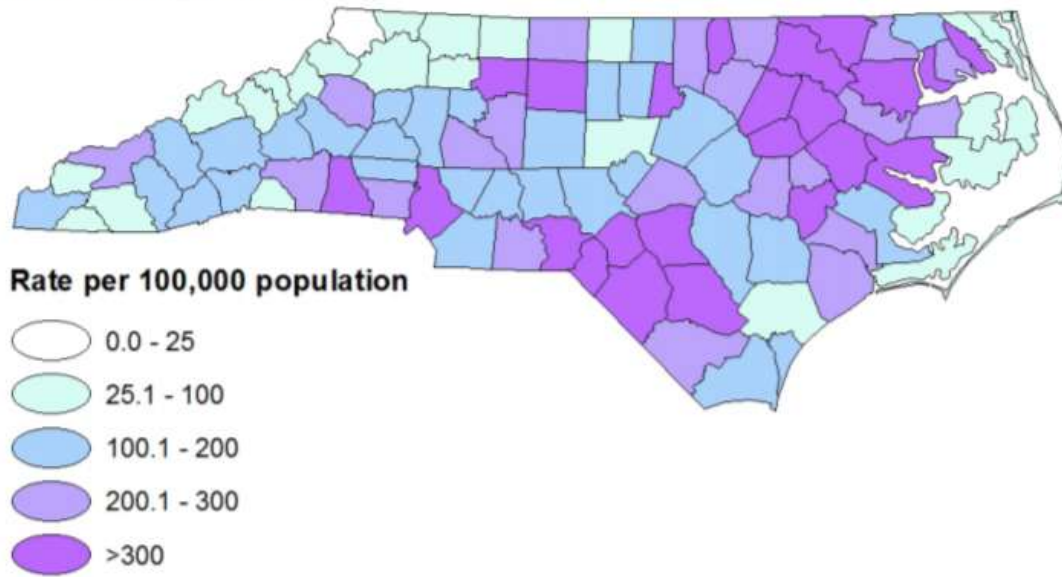
Chlamydia, Gonorrhea, and Syphilis Annual Rate Maps by County of Residence at Diagnosis, 2019

Figure 2. Newly Diagnosed Chlamydia Rates in North Carolina by County of Residence at Diagnosis, 2019



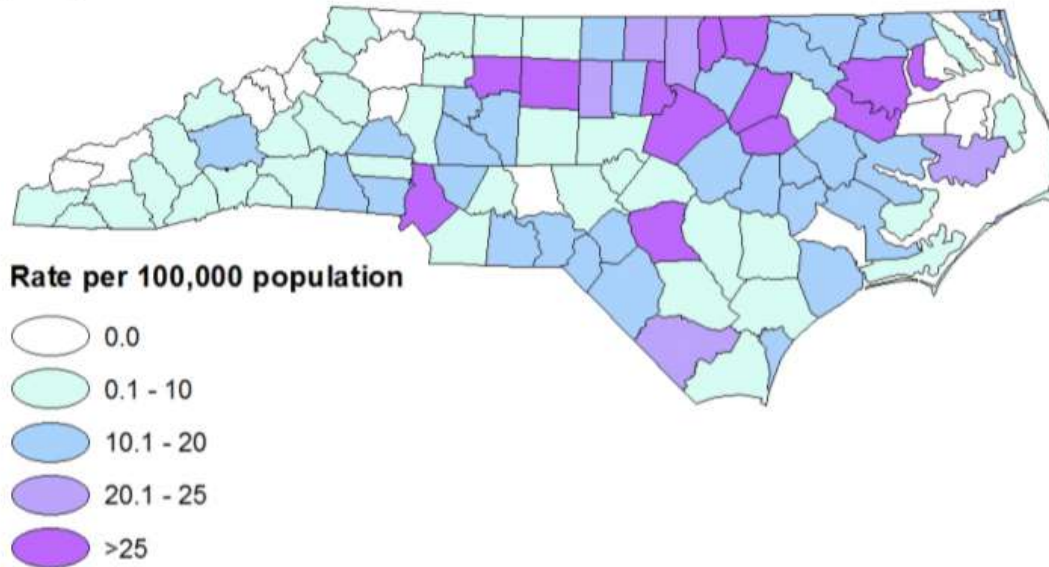
Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of May 5, 2020).

Figure 3. Newly Diagnosed Gonorrhea Rates in North Carolina by County of Residence at Diagnosis, 2019



Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of May 5, 2020).

Figure 4. Newly Diagnosed Early Syphilis (Primary, Secondary, and Early Non-Primary Non-Secondary) Rates in North Carolina by County of Residence at Diagnosis, 2019



Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of May 5, 2020).

Surry County

Newly Diagnosed Chlamydia Annual Rates in North Carolina by County of Diagnosis and Year of Diagnosis, 2015-2019	2015		2016		2017		2018		2019	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
	167	232.0	185	256.9	213	295.4	207	287.7	197	274.4
North Carolina	54,390	542.2	58,176	572.9	62,988	613.4	66,716	642.6	71,296	679.8

*Rates are expressed per 100,000 population

Surry County

Newly Diagnosed Gonorrhea Annual Rates in North Carolina by County of Diagnosis and Year of Diagnosis, 2015-2019	2015		2016		2017		2018		2019	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
	15	20.8	34	47.2	46	63.8	43	59.8	63	87.8
North Carolina	17,051	170.0	19,599	193.0	22,736	221.4	23,538	226.7	26,643	254.0

*Rates are expressed per 100,000 population

Surry County

Newly Diagnosed Early Syphilis* Annual Rates in North Carolina by Rank Order**, and Year of Diagnosis, 2017-2019	County Rank	2017 Cases	2017 Rate***	2018 Cases	2018 Rate***	2019 Cases	2019 Rate ***	2017- 2019 Average Rate**
	75	4	5.5	5	6.9	1	1.4	4.6

*Early syphilis is defined as having primary, secondary, or early non-primary non-secondary (formerly early latent) syphilis.

**Rank is based on a three-year average rate per 100,000 population for newly diagnosed early syphilis in the county of interest.

***Rates are expressed per 100,000 population

Surry County

Newly Diagnosed Syphilis Annual Rates in North Carolina by Stage of Infection and County of Diagnosis, 2019.

	Primary, Secondary, and Early*		Unknown Duration and Late**		Total***	
	Cases	Rate	Cases	Rate	Cases	Rate
Surry	1	1.4	6	8.4	7	9.8
North Carolina	2,117	20.2	1,252	11.9	3,371	32.1

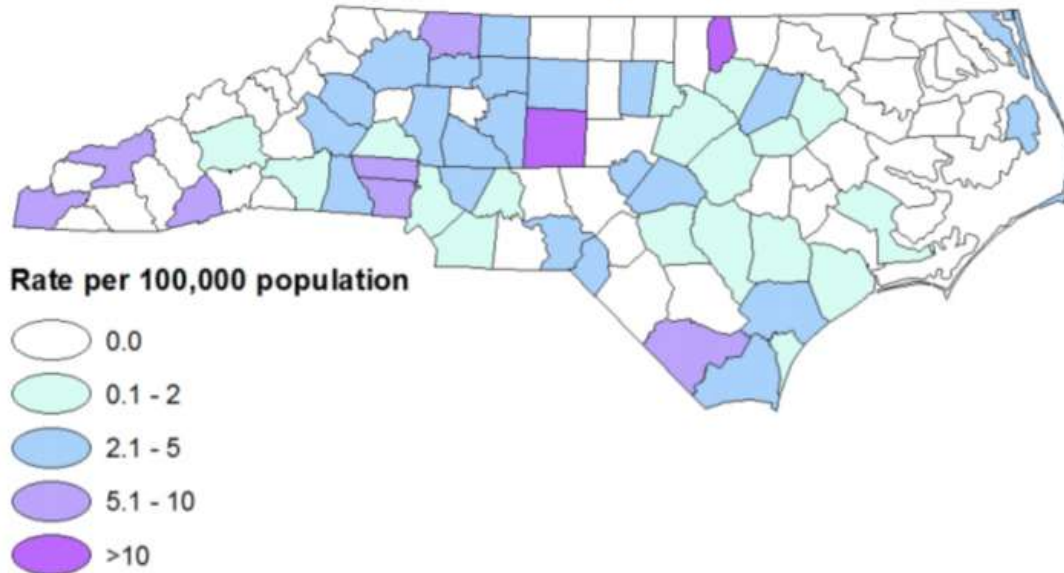
*Primary, secondary, and early non-primary non-secondary (formerly early latent) is defined as having been infected for a year or less.

**Late is defined as having been infected more than one year and presenting with inflammatory lesions of the cardiovascular system, skin, bone, or other tissue/structures. Late syphilis usually becomes clinically manifest only after a period of 15–30 years of untreated infection.

***Rates are expressed per 100,000 population.

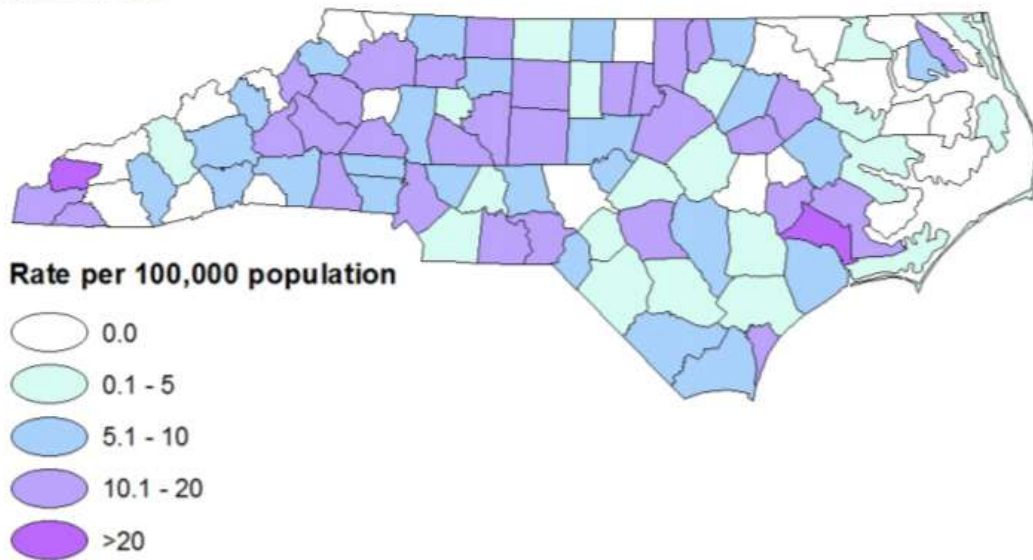
Hepatitis B and C Rate Maps by County of Residence at Diagnosis, 2019

Figure 6. Acute Hepatitis B Rates in North Carolina by County of Residence at Diagnosis, 2019



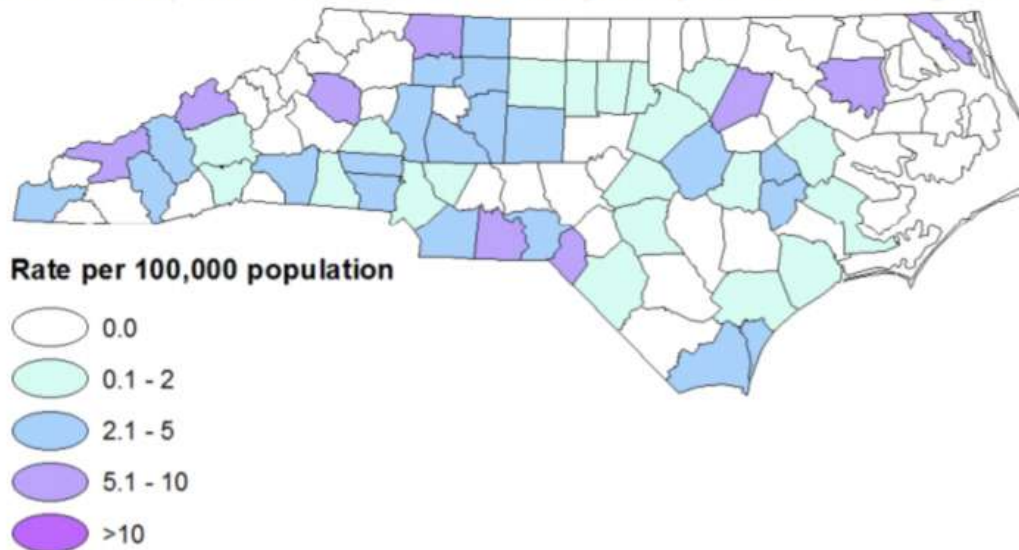
Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of August 2, 2020).

Figure 7. Newly Diagnosed Chronic Hepatitis B Rates in North Carolina by County of Residence at Diagnosis, 2019



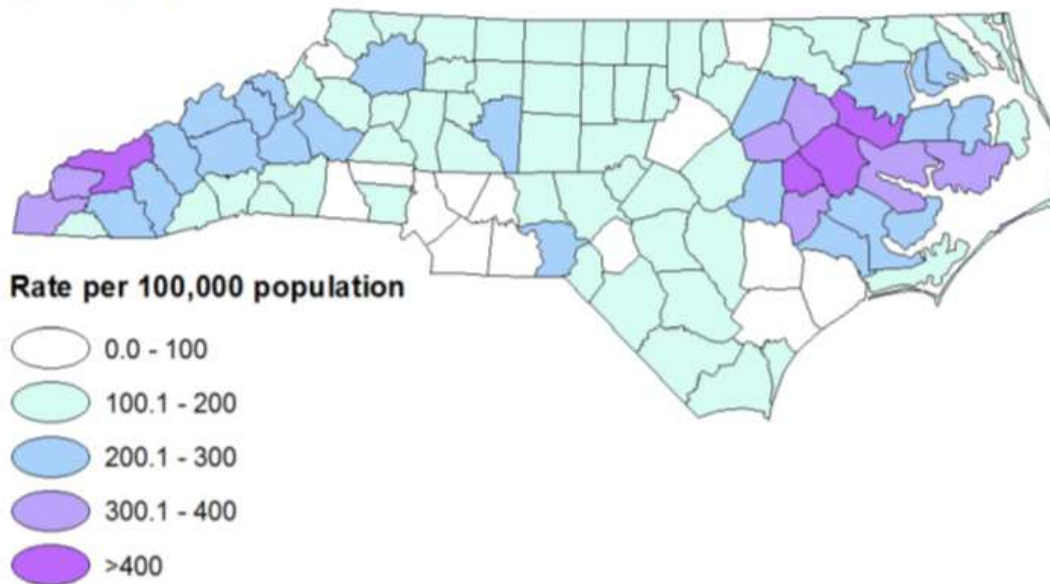
Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of August 2, 2020).

Figure 8. Acute Hepatitis C Rates in North Carolina by County of Residence at Diagnosis, 2019



Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of August 2, 2020).

Figure 9. Newly Reported Chronic Hepatitis C Rates in North Carolina by County of Residence at Diagnosis, 2019



Note: Concentrations in some counties may be due to increased availability to testing.
Data Source: North Carolina Electronic Disease Surveillance System (NC EDSS) (data as of August 2, 2020).

Surry County

Acute Hepatitis B Annual Rates in North Carolina by County of Diagnosis and Year of Diagnosis, 2015-2019	2015		2016		2017		2018		2019	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
	0	0.0	1	1.4	0	0.0	0	0.0	4	5.6
North Carolina	146	1.5	169	1.7	187	1.8	227	2.2	185	1.8

*Rates are expressed per 100,000 population

Number of People Diagnosed with Chronic Hepatitis B, Presumed Alive, and Residing by Most Recently Known County of Residence as of 12/31/2019. Based on most recent known address from North Carolina Electronic Disease Surveillance System (NC EDSS) as of August 2, 2020.

Surry	73
North Carolina	25,463

Surry County

Newly Diagnosed Hepatitis B Annual Rates in North Carolina by County of Diagnosis and Year of Diagnosis, 2015-2019	2015		2016		2017		2018		2019	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
	3	4.2	1	1.4	2	2.8	4	5.6	5	7.0
North Carolina	1,113	11.1	1,384	13.6	1,180	11.5	1,109	10.7	1,067	10.2

Surry County

Acute Hepatitis C Annual Rates in North Carolina by County of Diagnosis and Year of Diagnosis, 2015-2019	2015		2016		2017		2018		2019	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
	2	2.8	9	12.5	4	5.5	6	8.3	4	5.6
North Carolina	120	1.2	203	2.0	192	1.9	197	1.9	184	1.8

Number of People Diagnosed with Chronic Hepatitis C, Presumed Alive, and Residing by Most Recently Known County of Residence as of 12/31/2019. Based on most recent known address from North Carolina Electronic Disease Surveillance System (NC EDSS) as of August 2, 2020.

Surry	351
North Carolina	62,831

Surry County Newly Reported Chronic Hepatitis C Annual Rates in North Carolina by County of Report and Year of Report, 2016-2019*

*Chronic hepatitis C became reportable in North Carolina in October 2016 and is only reported from laboratories reporting electronically. These numbers are likely an underestimation. The number of chronic hepatitis C cases is given as “reported” rather than “newly diagnosed”; since surveillance for chronic hepatitis C is relatively new in North Carolina and our case records are incomplete, we are unable to determine whether a positive lab test reflects a new diagnosis or a new reported test result for a person who was previously diagnosed.

Note: Concentrations in some counties may be due to increased availability to testing. a Rates are expressed per 100,000 population.

	2016 Cases	2016 Rate	2017 Cases	2017 Rate***	2018 Cases	2018 Rate***	2019 Cases	2019 Rate ***
Surry County	31	43.1	173.4	118	164.0	164.0	77	107.3
North Carolina	5,100	50.2	19,365	188.6	18,432	177.5	19,934	190.1