

Rural & Frontier Counties

2019 STD Fast Facts

Nevada Division of Public and Behavioral Health

Office of Public Health Investigation and Epidemiology

Sexually Transmitted Disease (STD) Prevention and Control Program



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PURPOSE

The purpose of the *Rural & Frontier Counties 2019 STD Fast Facts* report is to provide an analysis on all sexually transmitted diseases (STD) reported in 2019 in Rural and Frontier Counties. This annual publication is meant as a reference document for policy makers, program managers, health planners, researchers, and community members concerned with the public health implications of the diseases presented. The figures and tables in this edition supersede those in earlier publications.

METHODS

The data used for this profile are between January 1, 2018 to December 31, 2018; was obtained from the NEDSS-Based System (NBS). The NBS database application is provided by the Centers for Disease and Control and Prevention (CDC) and maintained by the Division of Public and Behavioral Health (DPBH) for the STD Prevention and Control Program. The data are collected from medical labs, private and public health providers, clinics, and state and local disease intervention specialists (DIS). The STD case definition for this report utilizes the 2018 CDC Case Definitions. Per the CDC, a patient may be infected with multiple diseases at the same time, and while a patient may contract STDs multiple times in the calendar year, only the first incidence of the disease is counted within a 30-day period.

TECHNICAL NOTES

The rural and frontier counties included in this report are: Carson City, Churchill, Douglas, Elko, Esmeralda, Eureka, Humboldt, Lander, Lincoln, Lyon, Mineral, Nye, Pershing, Storey, and White Pine Counties.

Nevada Administrative Code (NAC) 441A.040 mandates that Chlamydia, Gonorrhea, Syphilis, and congenital Syphilis are reportable communicable diseases. Additionally, Nevada Revised Statute (NRS) 441A.150 requires that a diagnosis of Chlamydia, Gonorrhea, or Syphilis is to be reported to the local health authority by all providers, medical facilities, and laboratories.

Unknown categories (including percentage and incidence calculations) within the report are due to missing data on gender, race/ethnicity, full address, and age; they are still required reporting according to the NAC. Local health authorities do conduct investigations to complete these cases, but due to limited staff and funding some cases are not complete.

Crude rates are calculated using 2019 population projections from the Nevada State Demographer. Rates are based on per 100,000 persons.

n (used for birth sex stratification) is the basic measure of disease and may not equal the total case count (N) due to unknown demographic information.

N (Total case count) is the total number of disease cases in the population.

N/A (notation) is used to represent cases where the data may not meet the criteria for reliability, data quality, or confidentiality due to small data counts or the inability to calculate data rates based on an equivalent population.

Population is based on the 2019 population projections from the Nevada State Demographer.

RC (Rate Change) is the difference in rates between 2018 and 2019 data divided by the 2018 data.

RD (Rate Difference) is the difference in incidence rates between 2018 and 2019 data.

RSE (Relative Standard Error), the publication contains counts under 12, please use caution when interpreting the data as the RSE is greater than 30%.



**Division of Public and Behavioral Health, STD Prevention & Control Program
Chlamydia Cases in Rural & Frontier Counties, Nevada, 2019**

	Total			Male			Female		
	N	%*	Rate	N	%*	Rate	N	%*	Rate
Race/Ethnicity									
White, non-Hispanic	557	51.3%	212.8	198	55.2%	152.9	359	49.5%	271.6
Black, non-Hispanic	35	3.2%	651.7	13	3.6%	344.7	22	3.0%	1,375.4
Hispanic	187	17.2%	301.6	60	16.7%	181.4	127	17.5%	439.0
American Indian/Alaska Native	45	4.1%	347.3	14	3.9%	216.1	31	4.3%	478.3
Asian/Hawaiian/Pacific Islander	24	2.2%	335.6	7	1.9%	223.9	17	2.3%	422.4
Unknown/Other	238	30.0%	N/A	67	18.7%	N/A	169	23.4%	N/A
Total	1,086	100.0%	311.0	359	100.0%	204.0	725	100.0%	418.6
Age Group									
< 9	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
10-14	4	0.4%	19.1	0	0.0%	0.0	4	0.6%	38.2
15-19	305	28.1%	1,496.3	69	19.2%	622.1	236	32.6%	2,539.7
20-24	372	34.2%	1,730.5	108	30.1%	947.3	263	36.3%	2,605.1
25-29	195	18.0%	709.4	92	25.6%	647.2	103	14.2%	776.0
30-34	110	10.1%	471.1	49	13.6%	394.9	61	8.4%	557.4
35-39	45	4.1%	269.2	20	5.6%	225.0	25	3.4%	319.3
40-44	29	2.7%	164.2	10	2.8%	112.4	19	2.6%	216.7
45-54	22	2.0%	50.8	10	2.8%	43.1	11	1.5%	54.7
55-64	3	0.3%	6.2	1	0.3%	4.3	2	0.3%	8.0
65+	1	0.1%	1.4	0	0.0%	0.0	1	0.1%	2.5
Unknown	0	0.0%	N/A	0	0.0%	N/A	0	0.0%	N/A
Total	1,086	100.0%	311.0	359	100.0%	204.0	725	100.0%	418.6

Source: Division of Public and Behavioral Health, NEDSS Based System (NBS), data as of October 2019.

*Percent may not equal 100% due to rounding and unknown counts.



**Division of Public and Behavioral Health, STD Prevention & Control Program
Gonorrhea Cases in Rural & Frontier Counties, Nevada, 2019**

	Total			Male			Female		
	N	%*	Rate	N	%*	Rate	N	%*	Rate
Race/Ethnicity									
White, non-Hispanic	100	50.3%	38.2	60	57.7%	46.3	40	42.6%	30.3
Black, non-Hispanic	6	3.0%	111.7	1	1.0%	26.5	5	5.3%	312.6
Hispanic	33	16.6%	53.2	18	17.3%	54.4	15	16.0%	51.9
American Indian/Alaska Native	19	9.5%	146.6	9	8.7%	139.0	10	10.6%	154.3
Asian/Hawaiian/Pacific Islander	2	1.0%	28.0	0	0.0%	0.0	2	2.1%	49.7
Unknown/Other	39	19.6%	N/A	16	15.3%	N/A	22	23.4%	N/A
Total	199	100.0%	57.0	104	100.0%	59.1	94	100.0%	54.3
Age Group									
< 9	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
10-14	1	0.5%	4.8	0	0.0%	0.0	1	1.1%	9.6
15-19	18	9.1%	88.3	8	7.7%	72.1	10	10.6%	107.6
20-24	58	29.1%	269.8	23	22.1%	201.7	35	37.2%	346.7
25-29	40	20.1%	145.5	20	19.2%	140.7	20	21.3%	150.7
30-34	29	14.6%	124.2	21	20.2%	169.2	8	8.5%	73.1
35-39	23	11.6%	137.6	13	12.5%	146.2	10	10.6%	127.7
40-44	11	5.5%	62.3	7	6.7%	78.7	4	4.3%	45.6
45-54	15	7.5%	34.6	8	7.7%	34.5	6	6.4%	29.8
55-64	4	2.0%	8.3	4	3.9%	17.3	0	0.0%	0.0
65+	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Unknown	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Total	199	100.0%	57.0	104	100.0%	59.1	94	100.0%	54.3

Source: Division of Public and Behavioral Health, NEDSS Based System (NBS), data as of October 2019.

*Percent may not equal 100% due to rounding and unknown counts.



**Division of Public and Behavioral Health, STD Prevention & Control Program
Primary & Secondary Syphilis Cases in Rural & Frontier Counties, Nevada,
2019**

	Total			Male			Female		
	N	%*	Rate	N	%*	Rate	N	%*	Rate
Race/Ethnicity									
White, non-Hispanic	9	50.0%	3.4	9	60.1%	6.9	0	0.0%	0.0
Black, non-Hispanic	2	11.1%	37.2	2	13.3%	53.0	0	0.0%	0.0
Hispanic	3	16.7%	4.8	2	13.3%	6.0	1	33.3%	3.5
American Indian/Alaska Native	1	5.6%	7.7	0	0.0%	0.0	1	33.3%	15.4
Asian/Hawaiian/Pacific Islander	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Unknown/Other	3	16.6%	N/A	2	13.3%	N/A	1	33.3%	N/A
Total	18	100.0%	5.2	15	100.0%	8.5	3	100.0%	1.7
Age Group									
< 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	1	5.6%	4.9	0	0.0%	0.0	1	33.3%	10.8
20-24	2	11.1%	9.3	2	13.3%	17.5	0	0.0%	0.0
25-29	2	11.1%	7.3	2	13.3%	14.1	0	0.0%	0.0
30-34	6	33.1%	25.7	4	26.7%	32.2	2	66.7%	18.3
35-39	4	22.2%	23.9	4	26.7%	45.0	0	0.0%	0.0
40-44	1	5.6%	5.7	1	6.7%	11.2	0	0.0%	0.0
45-54	1	5.6%	2.3	1	6.7%	4.3	0	0.0%	0.0
55-64	1	5.6%	2.1	1	6.7%	4.3	0	0.0%	0.0
65+	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Unknown	0	0.0%	N/A	0	0.0%	N/A	0	0.0%	N/A
Total	18	100.0%	5.2	15	100.0%	8.5	3	100.0%	1.7

Source: Division of Public and Behavioral Health, NEDSS Based System (NBS), data as of October 2019.

*Percent may not equal 100% due to rounding and unknown counts.



Division of Public and Behavioral Health, STD Prevention & Control Program
 Early Latent Syphilis Cases in Rural & Frontier Counties, Nevada, 2017

	Total			Male			Female		
	N	%*	Rate	N	%*	Rate	N	%*	Rate
Race/Ethnicity									
White, non-Hispanic	11	50.0%	4.2	8	44.4%	6.2	3	75.0%	2.3
Black, non-Hispanic	3	13.6%	55.9	3	16.7%	79.6	0	0.0%	0.0
Hispanic	4	18.2%	6.5	3	16.7%	9.1	1	25.0%	3.5
American Indian/Alaska Native	1	4.6%	7.7	1	5.5%	15.4	0	0.0%	0.0
Asian/Hawaiian/Pacific Islander	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Unknown/Other	3	13.6%	N/A	3	16.7%	N/A	0	0.0%	N/A
Total	22	100.0%	6.3	18	100.0%	10.2	4	100.0%	2.3
Age Group									
< 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	2	9.1%	9.8	1	5.6%	9.0	1	25.0%	10.8
20-24	3	13.6%	14.0	2	11.1%	17.5	1	25.0%	9.9
25-29	5	22.7%	18.2	5	27.7%	35.2	0	0.0%	0.0
30-34	4	18.2%	17.1	4	22.2%	32.2	0	0.0%	0.0
35-39	4	18.2%	23.9	3	16.7%	33.7	1	25.0%	12.8
40-44	2	9.1%	11.3	1	5.6%	11.2	1	25.0%	11.4
45-54	2	9.1%	4.6	2	11.1%	8.6	0	0.0%	0.0
55-64	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
65+	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0
Unknown	0	0.0%	N/A	0	0.0%	N/A	0	0.0%	N/A
Total	22	100.0%	6.3	18	100.0%	10.2	4	100.0%	2.3

Source: Division of Public and Behavioral Health, NEDSS Based System (NBS), data as of October 2019.

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