

# Nevada

## 2020 Tuberculosis Fast Facts

**Nevada Division of Public and Behavioral Health**

**Office of Public Health Investigations and Epidemiology**

**Tuberculosis Prevention and Control Program**



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## PURPOSE

The purpose of the *Nevada 2020 Tuberculosis Fast Facts* report is to provide statistics on all 2020 tuberculosis (TB) disease cases in Nevada. The annual publication is a reference document for policymakers, program managers, health planners, healthcare facilities, researchers, and community members concerned with the public health implications of this disease.

## METHODS

The data in this profile were collected for the period between January 1, 2020, to December 31, 2020, and obtained from Nevada's National Electronic Disease Surveillance System (NEDSS) Based System (NBS). The NBS database application is provided by the Centers for Disease and Control and Prevention (CDC) and maintained at the Division of Public and Behavioral Health (DPBH) for the TB Program. The data are collected from medical laboratories, private and public health providers, clinics, and disease intervention specialists. Verified TB cases are reported following the CDC guidelines presented in the *Report of Verified Case of Tuberculosis (RVCT) Instruction Manual*.<sup>1</sup>

## TECHNICAL NOTES

Per the Nevada Administrative Code (NAC) 441A.225, TB is a reportable communicable disease. As prescribed by Nevada Revised Statutes (NRS) 441A.150, a diagnosis of TB or a suspected case of TB must be reported to the local health authority by providers, medical facilities, and laboratories. Additionally, local health authorities conduct follow-up on these cases in order to complete their investigations.

Discrepancies from prior Fast Fact publications reflect the incorporation of updated NBS data.

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

**N (Number)** is the basic measure of disease incidence in the total population.

**n (number)** is the basic measure of disease incidence for a given subpopulation, such as sex, race/ethnicity, or age.

**% (Percentage)** within each demographic subset which represents the percentage of the number of the specific demographic out of the total number of verified counted TB cases.

**Population** is based on the 2019 population projections from the Nevada State Demographer vintage 2019 data for the state and its subgroups of counties, gender, race, and age.

**% Change (Percent Change)** represents the percentage difference in the number of verified TB cases between 2020 and 2019 and is calculated by dividing the difference between 2020 and 2019 by the 2019 numbers, then multiplying that by 100.

**% RC (Percent Rate Change)** represents the percentage difference in rates between 2020 and 2019 and is calculated by dividing the rate difference between 2020 to 2019 by the 2019 rate, then multiplied by 100.

**Rate** is based on the incidence of verified TB cases per 100,000 population for that subgroup's population. Population data are made available from the Nevada State Demographer vintage 2019 population data.

**RD (Rate Difference)** is based on the difference in incidence rates between 2020 and 2019.

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

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<sup>1</sup>Centers for Disease Control and Prevention, Division of Tuberculosis Elimination. Appendix B: Recommendations for Reporting and Counting Tuberculosis Cases. *Report of Verified Case of Tuberculosis (RVCT), Instruction Manual*, May 2009. <https://www.cdc.gov/tb/programs/rvct/instructionmanual.pdf>



**Division of Public and Behavioral Health - Tuberculosis Program Fast Facts**  
**Nevada Tuberculosis Cases, 2016 - 2020**

	2016			2017			2018			2019			2020		
	n	%	Rate†	n	%	Rate†	n	%	Rate†	n	%	Rate†	n	%	Rate†
<b>County</b>															
Clark	46	83.6%	2.1	62	77.5%	2.8	60	87.0%	2.7	45	84.9%	2.0	51	89.5%	2.2
Washoe	6	10.9%	1.3	17	21.3%	3.8	9	13.0%	2.0	7	13.2%	1.5	4	7.0%	0.8
Carson City	0	0.0%	0.0	0	0.0%	0.0	0	0.0%	0.0	1	1.9%	1.8	1	1.8%	1.8
All Other Counties*	3	5.5%	1.1	1	1.3%	0.4	0	0.0%	0.0	0	0.0%	0.0	1	1.8%	0.3
<b>Gender</b>															
Male	24	43.6%	1.6	43	53.8%	2.9	44	63.8%	2.9	29	54.7%	1.9	30	52.6%	1.8
Female	31	56.4%	2.1	37	46.3%	2.5	25	36.2%	1.7	24	45.3%	1.5	27	47.4%	1.8
<b>Race/Ethnicity</b>															
White, non-Hispanic	6	10.9%	0.4	7	8.8%	0.5	7	10.1%	0.5	8	15.4%	0.5	8	14.0%	0.5
Black, non-Hispanic	16	29.1%	6.3	9	11.3%	3.5	6	8.7%	2.3	5	9.4%	1.8	12	21.1%	4.3
AI/AN**	1	1.8%	2.9	0	0.0%	0.0	0	0.0%	0.0	1	1.9%	2.8	0	0.0%	0.0
Asian	18	32.7%	6.5	40	50.0%	14.2	35	50.7%	12.0	30	56.6%	10.0	24	42.1%	7.7
Hispanic	13	23.6%	1.5	24	30.0%	2.8	19	27.5%	2.1	9	17.0%	1.0	12	21.1%	1.3
Multi-race	1	1.8%	N/A	0	0.0%	N/A	2	2.9%	N/A	0	0.0%	N/A	1	1.8%	N/A
Unknown	0	0.0%	N/A	0	0.0%	N/A	0	0.0%	N/A	0	0.0%	N/A	0	0.0%	N/A
<b>Age</b>															
0 to 4	3	5.5%	1.6	0	0.0%	0.0	4	5.8%	2.1	0	0.0%	0.0	2	3.5%	1.0
5 to 14	0	0.0%	0.0	1	1.3%	0.2	1	1.4%	0.2	0	0.0%	0.0	1	1.8%	0.2
15 to 24	6	10.9%	1.5	6	7.5%	1.5	5	7.2%	1.2	5	9.6%	1.2	4	7.0%	0.9
25 to 44	23	41.8%	2.8	28	35.0%	3.4	19	27.5%	2.3	11	21.2%	1.3	12	21.1%	1.4
45 to 64	10	18.2%	1.3	23	28.8%	3.1	23	33.3%	3.0	19	36.5%	2.5	18	31.6%	2.3
65+	13	23.6%	3.2	22	27.5%	5.2	17	24.6%	3.9	17	32.7%	3.8	20	35.1%	4.3
<b>HIV Status</b>															
HIV Positive	6	10.9%	N/A	5	6.3%	N/A	6	8.7%	N/A	3	5.7%	N/A	3	5.3%	N/A
HIV Negative	43	78.2%	N/A	68	85.0%	N/A	61	88.4%	N/A	49	92.5%	N/A	53	93.0%	N/A
Not Offered	3	5.5%	N/A	6	7.5%	N/A	2	2.9%	N/A	1	1.9%	N/A	1	1.8%	N/A
Refused HIV Test	2	3.6%	N/A	0	0.0%	N/A	0	0.0%	N/A	0	0.0%	N/A	0	0.0%	N/A
Unknown	1	1.8%	N/A	1	1.3%	N/A	0	0.0%	N/A	0	0.0%	N/A	0	0.0%	N/A
<b>Country of Origin</b>															
United States	16	29.1%	N/A	15	18.8%	N/A	14	20.3%	N/A	11	20.0%	N/A	14	24.6%	N/A
Philippines	15	27.3%	N/A	25	31.3%	N/A	23	33.3%	N/A	20	37.7%	N/A	16	28.1%	N/A
Mexico	8	14.5%	N/A	11	13.8%	N/A	11	15.9%	N/A	5	9.4%	N/A	10	17.5%	N/A
Ethiopia	55	9.1%	N/A	4	5.0%	N/A	1	1.4%	N/A	1	1.9%	N/A	4	7.0%	N/A
Vietnam	1	1.8%	N/A	5	6.3%	N/A	1	1.4%	N/A	1	1.9%	N/A	1	1.8%	N/A
China	0	0.0%	N/A	3	3.8%	N/A	3	4.3%	N/A	2	3.8%	N/A	1	1.8%	N/A
India	2	3.6%	N/A	2	2.5%	N/A	0	0.0%	N/A	3	5.7%	N/A	1	1.8%	N/A
Peru	1	1.8%	N/A	2	2.5%	N/A	1	1.4%	N/A	1	1.9%	N/A	0	0.0%	N/A
Taiwan	0	0.0%	N/A	1	1.3%	N/A	1	1.4%	N/A	1	1.9%	N/A	1	1.8%	N/A
Thailand	0	0.0%	N/A	0	0.0%	N/A	1	1.4%	N/A	0	0.0%	N/A	1	1.8%	N/A
Other	7	12.7%	N/A	12	15.0%	N/A	13	18.8%	N/A	8	15.1%	N/A	8	14.0%	N/A
Unknown	0	0.0%	N/A	0	0.0%	N/A	0	0.0%	N/A	0	0.0%	N/A	0	0.0%	N/A
<b>Total (N)</b>	<b>55</b>	<b>100.0%</b>	<b>1.9</b>	<b>80</b>	<b>100.0%</b>	<b>2.7</b>	<b>69</b>	<b>100.0%</b>	<b>2.3</b>	<b>53</b>	<b>100.0%</b>	<b>1.7</b>	<b>57</b>	<b>100.0%</b>	<b>1.8</b>

Source: Nevada Division of Public and Behavioral Health NEDSS System (NBS), February 2021.

†Rate is based on the incidence of verified TB cases per 100,000 population.

\*All Other Counties: Churchill, Douglas, Elko, Esmeralda, Eureka, Humboldt, Lander, Lincoln, Lyon, Mineral, Nye, Pershing, Storey, and White Pine County. For 2020, Other Counties experienced one case in Lyon County, Lyon County 2020 TB rate 1.7.

\*\*AI/AN: American Indian/Alaska Native



## Division of Public and Behavioral Health TB Program

### Tuberculosis in Nevada Percent and Rate Change, 2020

	2019		2020		% Change		Rate Change	
	n	Rate†	n	Rate†	n	%Change	RD†	%RC
<b>County</b>								
Clark	45	2.0	51	2.2	6	5.4%	0.2	10.0%
Washoe	7	1.5	4	0.8	-3	-48.1%	-0.7	-46.7%
Carson City	1	1.8	1	1.8	0	N/A	0.0	0.0%
All Other Counties*	0	0.0	1	0.3	1	N/A	0.3	N/A
<b>Gender</b>								
Male	29	1.9	30	1.8	1	3.5%	-0.1	-5.3%
Female	24	1.5	27	1.8	3	12.5%	0.3	20.0%
<b>Race/Ethnicity</b>								
White, non-Hispanic	8	0.5	8	0.5	0	N/A	0.0	N/A
Black, non-Hispanic	5	1.8	12	4.3	7	140.0%	2.5	140.0%
AI/AN**	1	2.8	0	0.0	-1	-100.0%	-2.8	-100.0%
Asian	30	10.0	24	7.7	-6	-20.0%	-2.3	-23.0%
Hispanic	9	1.0	12	1.3	-4	-16.7%	-0.6	-21.4%
Multirace	0	N/A	1	N/A	1	N/A	N/A	N/A
Unknown	0	N/A	0	N/A	0	N/A	N/A	N/A
<b>Age</b>								
0 to 4	0	0.0	2	1.0	2	N/A	1.0	N/A
5 to 14	0	0.0	1	0.2	1	N/A	0.2	N/A
15 to 24	5	1.2	4	0.9	-1	-20.0%	-0.3	-25.0%
25 to 44	11	1.3	12	1.4	1	9.1%	-1.1	-32.4%
45 to 64	19	2.5	18	2.3	-1	-5.3%	-0.2	-8.0%
65+	17	3.8	20	4.3	3	17.6%	0.5	13.2%
<b>HIV Status</b>								
HIV Positive	3	N/A	3	N/A	0	N/A	N/A	N/A
HIV Negative	49	N/A	53	N/A	4	8.2%	N/A	N/A
Not Offered	1	N/A	1	N/A	0	N/A	N/A	N/A
Refused HIV Test	0	N/A	0	N/A	0	N/A	N/A	N/A
Unknown	0	N/A	0	N/A	0	N/A	N/A	N/A
<b>Country of Origin</b>								
United States	11	N/A	14	N/A	3	27.3%	N/A	N/A
Philippines	20	N/A	16	N/A	-4	-20.0%	N/A	N/A
Mexico	5	N/A	10	N/A	5	100.0%	N/A	N/A
Ethiopia	1	N/A	4	N/A	3	300.0%	N/A	N/A
China	1	N/A	1	N/A	0	N/A	N/A	N/A
Vietnam	2	N/A	1	N/A	-1	-50.0%	N/A	N/A
India	3	N/A	1	N/A	-2	-66.7%	N/A	N/A
Peru	1	N/A	0	N/A	-1	-100.0%	N/A	N/A
Taiwan	1	N/A	1	N/A	0	N/A	N/A	N/A
Thailand	0	N/A	1	N/A	1	N/A	N/A	N/A
Other	8	N/A	8	N/A	0	N/A	N/A	N/A
Unknown	0	N/A	0	N/A	0	N/A	N/A	N/A
<b>Total (N)</b>	<b>53</b>	<b>1.7</b>	<b>57</b>	<b>1.8</b>	<b>4</b>	<b>7.5%</b>	<b>0.1</b>	<b>5.9%</b>

Source: Nevada Division of Public and Behavioral Health NEDSS System (NBS), February 2021.

† Rate is based on the incidence of verified TB cases per 100,000 population.

\*All Other Counties" includes Churchill, Douglas, Elko, Esmeralda, Eureka, Humboldt, Lander, Lincoln, Lyon, Mineral, Nye, Pershing, Storey, and White Pine County.

\*\*AI/AN: American Indian/Alaska Native

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