



Active Tuberculosis, Rhode Island, 2014-2023

Table 1: Frequency distribution of tuberculosis cases reported to Rhode Island Department of Health, 2014-2023, by selected demographic characteristics, site of disease, and culture confirmation.

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Number of Cases	21	30	12	13	19	14	7	17	17	27
Case Rate*	2.0	2.9	1.1	1.2	1.8	1.3	0.7	1.6	1.6	2.5
Sex										
Female	12	11	8	5	10	8	<5	<5	8	12
Male	9	19	<5	8	9	6	5	13	9	15
Age Group										
0 – 4	0	0	0	0	0	0	0	0	<5	0
5 – 14	0	0	<5	<5	0	0	0	<5	0	<5
15 – 24	<5	<5	<5	<5	0	0	0	<5	6	<5
25 – 44	7	8	<5	<5	6	6	<5	<5	<5	9
45 – 64	5	8	<5	5	7	<5	<5	7	<5	10
65 +	5	12	<5	<5	6	<5	<5	<5	<5	<5
Race										
White	11	17	<5	<5	8	<5	<5	6	<5	6
Black/African American	8	<5	<5	<5	7	<5	<5	<5	<5	<5
Asian	<5	9	<5	6	<5	7	<5	<5	<5	7
Am Indian/AK Native	0	0	0	0	0	0	0	0	0	0
HI Native/Pacific Islander	0	0	0	0	0	0	0	0	0	<5
Ethnicity										
Hispanic or Latino	11	12	<5	<5	7	<5	<5	9	6	17
Non-Hispanic or Latino	10	18	9	10	12	10	5	8	11	10
Race/Ethnicity										
Non-Hispanic White	<5	6	<5	<5	<5	0	<5	<5	<5	<5
Non-Hispanic Black	6	<5	<5	<5	5	<5	<5	<5	<5	0
Hispanic or Latino	11	12	<5	<5	7	<5	<5	8	6	17
Asian	<5	9	<5	6	<5	7	<5	<5	<5	7
Am Indian/AK Native	0	0	0	0	0	0	0	0	0	0
HI Native/Pacific Islander	0	0	0	0	0	0	0	0	0	<5
Multi/Other Race	0	0	0	0	0	0	0	0	0	<5
County of Residence										
Bristol	0	<5	0	0	0	<5	0	0	0	0
Kent	0	<5	<5	<5	0	<5	0	<5	<5	0
Newport	<5	<5	<5	<5	0	<5	0	0	0	<5
Providence	18	23	10	11	17	10	7	16	14	26
Washington	<5	<5	0	0	<5	0	0	0	<5	0
Country of Origin										
United States	5	<5	<5	<5	<5	<5	0	<5	0	5
Not United States	16	26	8	12	16	12	7	14	17	22



Table 1 (continued): Frequency distribution of tuberculosis cases reported to Rhode Island Department of Health, 2014-2023, by selected demographic characteristics, site of disease, and culture confirmation.

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Site of disease										
Pulmonary	13	16	5	10	14	10	5	9	9	16
Extra-pulmonary	6	12	6	<5	<5	<5	<5	5	<5	8
Both	<5	<5	<5	<5	<5	0	0	<5	<5	<5
Positive Sputum Smear										
Yes	7	7	5	5	7	6	6	6	6	9
No	14	23	7	8	12	8	<5	11	11	18
Positive Sputum Culture										
Yes	15	18	9	8	13	8	6	12	8	15
No	6	12	<5	5	6	6	<5	5	9	12
Percent HIV Positive	0%	3%	8%	8%	11%	7%	14%	0%	0%	4%

Table 2: Percent distribution of drug-resistance among culture-confirmed tuberculosis cases for which drug susceptibility testing was performed, RI, 2014-2023.

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Number of sputum culture confirmed TB cases	15	18	9	8	13	8	6	12	8	15
Sensitive to all drugs	60%	100%	89%	100%	85%	50%	100%	83%	100%	100%
Resistant to only one drug	20%	0%	11%	0%	8%	0%	0%	17%	0%	0%
Resistant to 2 or more drugs	13%	0%	0%	0%	8%	25%	0%	0%	0%	0%
MDR TB (resistance to both INH and RIF)	7%	0%	0%	0%	0%	25%	0%	0%	0%	0%

*Rates are expressed as cases per 100,000 population. Rates for years 2014-2016 are based on the population of Rhode Island as determined by the 2010 U.S. Census; rates for years 2017-2021 are based on the population of Rhode Island as determined by the 2016 U.S. RI Census Estimate; rates for years 2022-2023 are based on the population of Rhode Island as determined by the 2021 1-Year ACS.

Sources: RI-NEDSS Base System; RI-NTSS; 2010 U.S. Census; 2016 U.S. Census; 2021 1-Year ACS.

Notes: Values less than five are suppressed for confidentiality. If these data are used in a publication, please acknowledge the RI Department of Health, Division of Emergency Preparedness and Infectious Disease.

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