

Tuberculosis Quarterly Surveillance Report with Data Comparison

JULY 1, 2024 – SEPT. 30, 2024

The tables below describe the epidemiology of the confirmed cases of tuberculosis disease reported to the Minnesota Department of Health from July 1, 2024, through Sept. 30, 2024, and cumulatively to date in 2024. Year-to-date data for 2023 are also included for comparison.

Q: This quarter

YTD: Year to date

NOTE: Percentages may not total 100% due to rounding.

Table 1. Number of Cases of Tuberculosis by Location of Residence, Minnesota

Location of Residence	Q Number	Q (%)	YTD Number	YTD (%)	2023 YTD	2023 YTD (%)
Hennepin County	20	(43)	39	(37)	38	(43)
Ramsey County	9	(19)	19	(18)	20	(22)
Other Metropolitan Counties*	11	(23)	34	(32)	15	(17)
Olmsted County	1	(2)	3	(3)	3	(3)
Other Counties	6	(13)	10	(10)	13	(15)
Total	47	(100)	105	(100)	89	(100)

*Anoka, Carver, Dakota, Scott, and Washington counties

Table 2. Number of Cases of Tuberculosis by Race/Ethnicity, Minnesota

Race/Ethnicity	Q Number	Q (%)	YTD Number	YTD (%)	2023 YTD	2023 YTD (%)
White	3	(6)	7	(7)	2	(2)
Black	22	(47)	48	(46)	45	(51)
Hispanic/Latine	9	(19)	20	(19)	13	(15)
Asian	13	(28)	30	(29)	28	(31)
Hawaiian/Other Pacific Islander	0	(0)	0	(0)	1	(1)
American Indian	0	(0)	0	(0)	0	(0)
Multi-Racial	0	(0)	0	(0)	0	(0)
Total	47	(100)	105	(100)	89	(100)

Table 3. Number of Cases of Tuberculosis by Age, Minnesota

Age	Q Number	Q (%)	YTD Number	YTD (%)	2023 YTD	2023 YTD (%)
<5 years	0	(0)	1	(1)	5	(6)
5-14 years	3	(6)	3	(3)	7	(8)
15-24 years	9	(19)	13	(12)	13	(15)
25-44 years	19	(40)	45	(43)	27	(30)
45-64 years	6	(13)	18	(17)	17	(19)
> 65 years	10	(21)	25	(24)	20	(22)
Total	47	(100)	105	(100)	89	(100)

Table 4. Number of Cases of Tuberculosis by Risk Category, Minnesota*

Risk Category	Q Number (n = 47)	Q (%)	YTD Number (n = 105)	YTD (%)	2023 YTD (n = 89)	2023 YTD (%)
Non-U.S.-born	40	(85)	91	(87)	74	(83)
Substance use**	3	(6)	6	(6)	2	(2)
Homelessness	1	(2)	2	(2)	4	(4)
Living with HIV	1	(2)	5	(5)	1	(1)
Other medical condition ⁺	17	(36)	34	(32)	27	(30)
Incarceration	1	(2)	1	(1)	0	(0)
Nursing home resident	3	(6)	3	(3)	1	(1)

* Risk categories are not mutually exclusive.

** Excess alcohol use or injection and/or non-injection drug use (not prescribed by health care provider or misuse of prescribed drugs)

⁺ Silicosis, diabetes, prolonged corticosteroid therapy or other immunosuppressive therapy, hematologic/reticuloendothelial disease, end stage renal disease, substantial weight loss (not TB-related) or undernutrition

Table 5. Number of Cases of Drug-Resistant Tuberculosis, Minnesota

Resistance Pattern	Q Number (n = 37)*	Q (%)	YTD Number (n = 82)*	YTD (%)	2023 YTD (n = 71)*	2023 YTD (%)
Any drug resistance**	5	(14)	9	(11)	15	(21)
Any INH resistance ⁺	5	(14)	7	(9)	9	(13)
MDR-TB [#]	2	(5)	2	(2)	4	(6)

* Culture-confirmed cases with drug susceptibility results available

** Resistant to at least one first-line anti-TB drug [i.e., isoniazid (INH), rifampin, pyrazinamide (PZA), or ethambutol]

⁺ May also have resistance to other drugs

[#] Primary multi-drug resistant TB (i.e., resistance to at least INH and rifampin from initial isolates of patients with no prior history of TB)

Table 6. Number of Cases of Tuberculosis by Site of Disease, Minnesota

Site of Disease	Q Number	Q (%)	YTD Number	YTD (%)	2023 YTD	2023 YTD (%)
Pulmonary	26	(55)	50	(48)	54	(61)
Extrapulmonary	16	(34)	38	(36)	22	(25)
Both*	5	(11)	17	(16)	13	(15)
Total	47	(100)	105	(100)	89	(100)

* TB cases with both pulmonary and extrapulmonary sites of disease

Table 7. Number of Cases of Tuberculosis by Method of Case Identification, Minnesota

How Identified	Q Number	Q (%)	YTD Number	YTD (%)	2023 YTD	2023 YTD (%)
Presented with Symptoms	41	(87)	93	(89)	64	(72)
TB Contact Investigation	1	(2)	1	(1)	11	(12)
Refugee Health Exam (Domestic)	0	(0)	1	(1)	0	(0)
Follow-up to Pre-Immigration Exam*	1	(2)	1	(1)	1	(1)
Other**	4	(9)	9	(9)	13	(15)
Total	47	(100)	105	(100)	89	(100)

* Infectious, active TB disease ruled out overseas

** e.g., occupational screening, other targeted TB testing, etc.

Minnesota Department of Health
 Tuberculosis Prevention and Control Program
 1-877-676-5414
www.health.state.mn.us/tb

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To obtain this information in a different format, call: 651-201-5414.