

Tuberculosis Quarterly Surveillance Report

APRIL 1, 2024 – JUNE 30, 2024

The tables below describe the epidemiology of the confirmed cases of tuberculosis disease reported to the Minnesota Department of Health from April 1, 2024, through June 30, 2024, and cumulatively to date in 2024.

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 (%) |
|------------------------------|-----------|--------------|------------|--------------|
| Hennepin County | 14 | (37) | 19 | (33) |
| Ramsey County | 5 | (13) | 10 | (17) |
| Other Metropolitan Counties* | 15 | (39) | 23 | (40) |
| Olmsted County | 2 | (5) | 2 | (3) |
| Other Counties | 2 | (5) | 4 | (7) |
| Total | 38 | (100) | 58 | (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 (%) |
|---------------------------------|-----------|--------------|------------|--------------|
| White | 3 | (8) | 4 | (7) |
| Black | 20 | (53) | 26 | (45) |
| Hispanic/Latine | 6 | (16) | 11 | (19) |
| Asian | 9 | (24) | 17 | (29) |
| Hawaiian/Other Pacific Islander | 0 | (0) | 0 | (0) |
| American Indian | 0 | (0) | 0 | (0) |
| Multi-Racial | 0 | (0) | 0 | (0) |
| Total | 38 | (100) | 58 | (100) |

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

| Age | Q Number | Q (%) | YTD Number | YTD (%) |
|--------------|-----------|--------------|------------|--------------|
| <5 years | 0 | (0) | 1 | (2) |
| 5-14 years | 0 | (0) | 0 | (0) |
| 15-24 years | 2 | (5) | 4 | (7) |
| 25-44 years | 16 | (42) | 26 | (45) |
| 45-64 years | 11 | (29) | 12 | (21) |
| > 65 years | 9 | (24) | 15 | (26) |
| Total | 38 | (100) | 58 | (100) |

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

| Risk Category | Q Number (n = 38) | Q (%) | YTD Number (n = 58) | YTD (%) |
|--------------------------------------|----------------------|-------|------------------------|---------|
| Non-U.S.-born | 33 | (87) | 51 | (88) |
| Substance use** | 3 | (8) | 3 | (5) |
| Homelessness | 0 | (0) | 1 | (2) |
| Living with HIV | 2 | (5) | 4 | (7) |
| Other medical condition ⁺ | 8 | (21) | 17 | (29) |
| Incarceration | 0 | (0) | 0 | (0) |
| Nursing home resident | 0 | (0) | 0 | (0) |

* 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 = 27)* | Q (%) | YTD Number (n = 45)* | YTD (%) |
|---------------------------------|-----------------------|-------|-------------------------|---------|
| Any drug resistance** | 2 | (7) | 4 | (9) |
| Any INH resistance ⁺ | 1 | (4) | 2 | (4) |
| MDR-TB [#] | 0 | (0) | 0 | (0) |

* 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 (%) |
|--------------------|-----------|--------------|------------|--------------|
| Pulmonary | 14 | (37) | 24 | (41) |
| Extrapulmonary | 17 | (45) | 23 | (40) |
| Both* | 7 | (18) | 11 | (19) |
| Site not specified | 0 | (0) | 0 | (0) |
| Total | 38 | (100) | 58 | (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 (%) |
|------------------------------------|-----------|--------------|------------|--------------|
| Presented with Symptoms | 35 | (92) | 52 | (90) |
| TB Contact Investigation | 0 | (0) | 0 | (0) |
| Refugee Health Exam (Domestic) | 1 | (3) | 1 | (2) |
| Follow-up to Pre-Immigration Exam* | 0 | (0) | 0 | (0) |
| Other** | 2 | (5) | 5 | (9) |
| Total | 38 | (100) | 58 | (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
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www.health.state.mn.us/tb

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