

Tuberculosis Surveillance Report — Montana, 2015

This report reflects confirmed tuberculosis cases reported to the Montana Department of Public Health and Human Services (DPHHS) in 2015. This report was prepared by the Tuberculosis Program. Contact Denise Ingman at 406-444-0273 or dingman@mt.gov with questions.

TB Surveillance Update (Table)

- 9 patients with new active tuberculosis (cases) were diagnosed and reported in Montana in 2015
- Counties of residence for the TB cases included Big Horn, Cascade, Glacier, Lake, Roosevelt, Silver Bow, and Yellowstone
- 3 patients had drug-resistant TB; 2 had resistance to isoniazid (INH), 1 had multi-drug resistance (MDR)
- 2 patients were foreign-born
- 1 out-of-state TB case was managed while working in Montana (not counted as a MT case)

TB Trends (Figures 1 and 2)

- Incidence rates of TB in Montana and the United States have been decreasing; however, the 2015 MT rate (0.9 cases per 100,000 population) was higher than the previous six years; the MT rate is substantially lower than the 2014 U.S. rate (3.0 cases per 100,000 population) (*Provisional 2015 national tuberculosis data will not be released until late March 2016.*)
- During the 1990s, an average of 20 cases per year, approximately 2.4 cases per 100,000 population, were reported (range: 14 cases in 1999 to 26 cases in 1990)
- During 2000–2015, an average of 10.4 cases per year, or 1.0 case per 100,000 population, were reported (range: 5 cases in 2012 to 21 cases in 2000); during the most recent five-year period (2011–2015) an average of 7 cases per year, or 0.7 cases per 100,000 population, were reported
- TB cases among American Indians have declined from an average of 10 cases per year in the 1990s to 5 cases per year during 2000–2015. During the most recent five-year period (2011–2015) the average decreased to 3 cases annually

Figure 1. Tuberculosis incidence rate — Montana and United States, 1998–2015

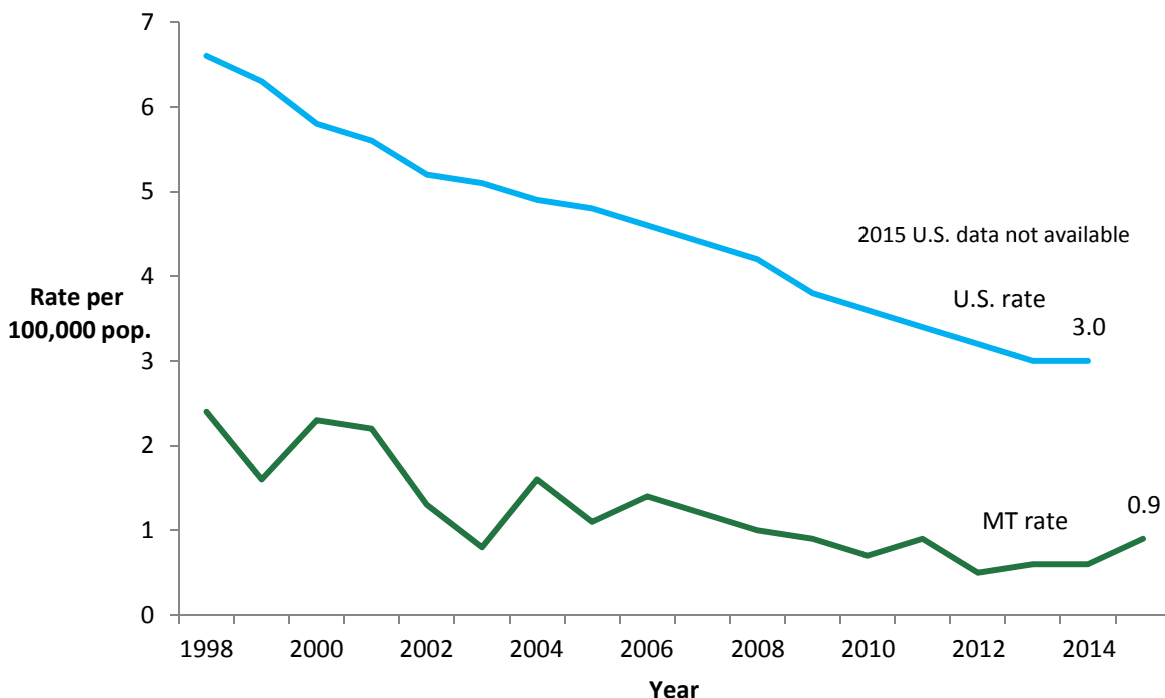
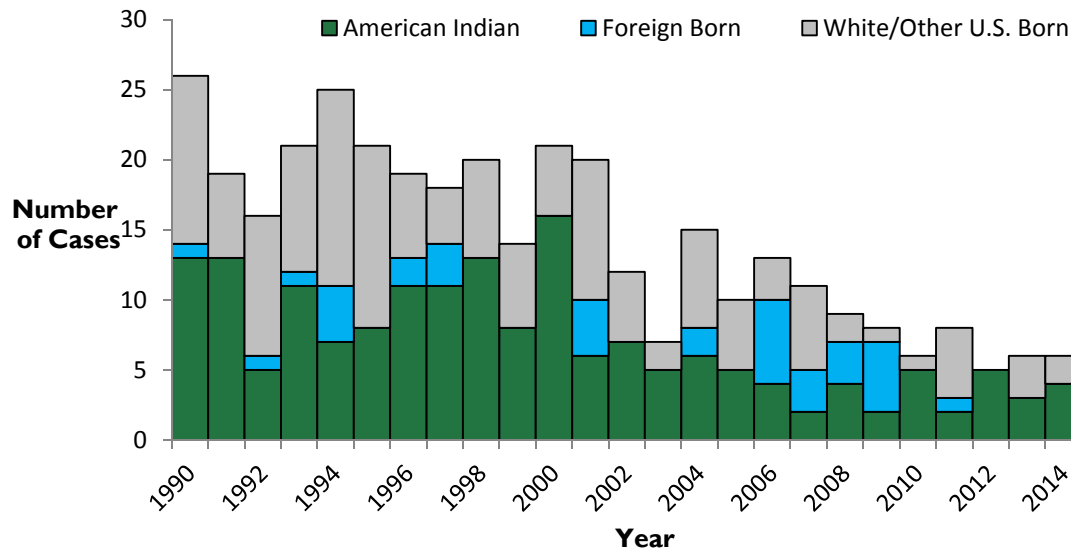


Figure 2. Reported tuberculosis cases — Montana, 1990–2015



Data source: DPHHS Montana Infectious Disease Information System

Table. Summary of reported tuberculosis cases — Montana, 2013–2015

Characteristics	2013	2014	2015
TB Cases Diagnosed	6	6	9
Montana, total (cases/100,000 pop.)	0.6	0.6	0.9
Non-Hispanic, American Indian (cases/100,000 pop.)	4.2	5.5	4.1
Sex			
Male	5	4	7
Female	1	2	2
Age at Diagnosis (years)			
<5	0	0	0
5–14	0	0	0
15–24	0	0	1
25–44	1	0	2
45–64	3	0	2
≥65	2	6	4
Ethnicity, Race			
Non-Hispanic, White	2	2	4
Non-Hispanic, American Indian	3	4	3
Non-Hispanic, Black	1	0	1
Non-Hispanic, Asian	0	0	1
Site of Disease			
Pulmonary/pleural	4	4	8
Extrapulmonary	1	0	1
Pulmonary and Extrapulmonary	1	2	0
Drug Resistance			
No resistance	5	5	5*
Isoniazid resistance	1	1	2
Multiple-drug resistance	0	0	1
Country of Origin			
U.S.-born	6	6	7
Foreign-born	0	0	2

Data source: DPHHS Montana Infectious Disease Information System

*One patient met the case definition of a clinical case but was culture negative; therefore, susceptibility testing could not be completed