

Tuberculosis Surveillance Update — Montana, January 1–June 30, 2016

This report reflects confirmed tuberculosis cases reported to the Montana Department of Public Health and Human Services (DPHHS) through June 30, 2016. This report was prepared by the Tuberculosis Program. Contact Denise Ingman at 406-444-0273 or dingman@mt.gov with questions or comments.

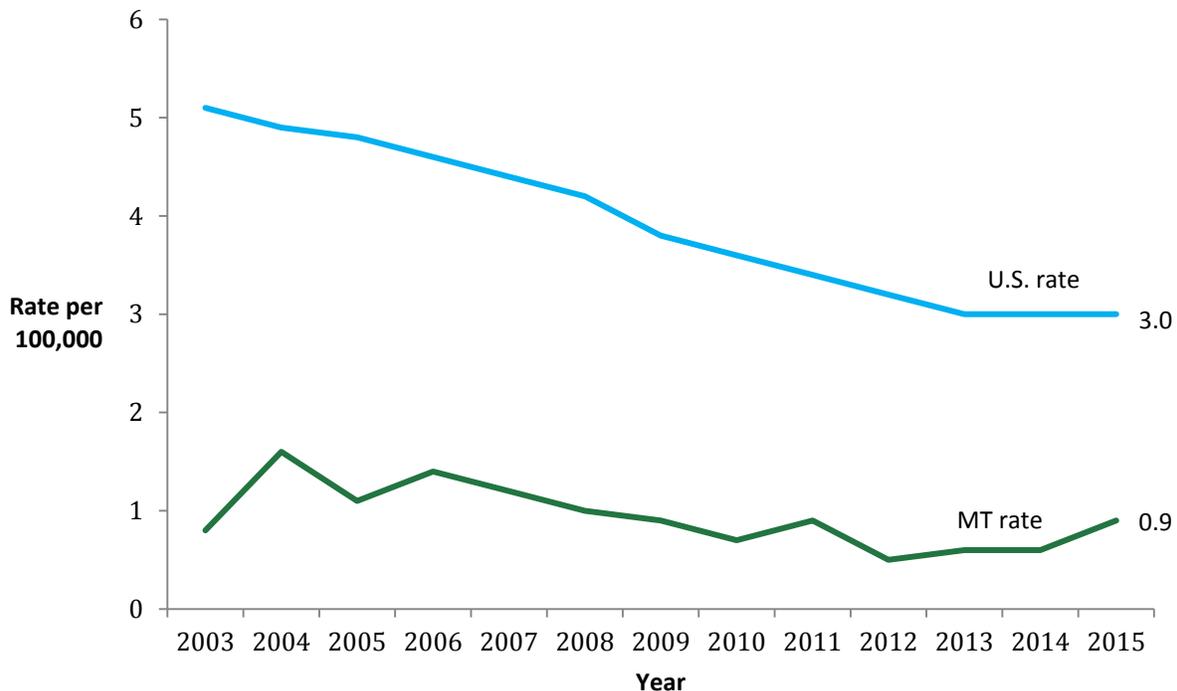
TB Surveillance Update as of 6/30/2016 (Table)

- One patient with active tuberculosis was reported in 2016
- The patient had pulmonary/pleural disease and met the clinical case definition for active TB

TB Trends (Figures 1 and 2)

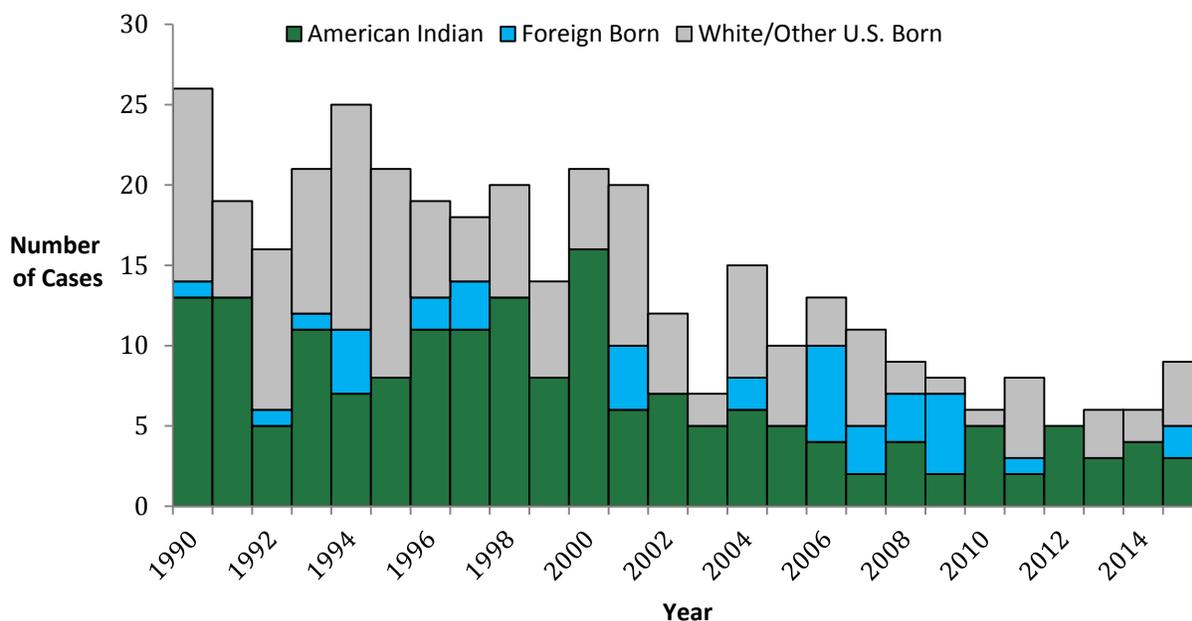
- The reported case rates of TB in Montana and the United States have been decreasing; the 2015 MT rate (0.9 cases per 100,000 population) was substantially lower than the 2015 U.S. rate (3.0 cases per 100,000 population)
- During the 1990s, an average of 20 cases per year, approximately 2.4 cases per 100,000 population, were reported (range: 14 to 26 cases)
- During 2000–2015, an average of 6.7 cases per year, approximately 0.6 cases per 100,000 population, were reported (range: 5 to 21 cases)
- TB cases among American Indians have declined from an average of 9.7 cases per year in the 1990s to 3.8 cases per year during 2000–2015 (range: 2 to 17 cases)

Figure 1. Tuberculosis reported case rate — Montana and United States, 2003–2015



Data source: DPHHS Montana Infectious Disease Information System and Centers for Disease Control and Prevention

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



Data source: DPHHS Montana Infectious Disease Information System

Table. Summary of reported tuberculosis cases — Montana, January 2014–June 2016

Characteristics	2014	2015	Jan–June 2016
Reported TB Cases	6	9	1
Montana, total (cases/100,000 pop.)	0.6	0.9	0.1
Non-Hispanic, American Indian (cases/100,000 pop.)	5.5	4.1	0
Sex			
Male	4	7	1
Female	2	2	0
Age at Diagnosis (years)			
<5	0	0	0
5–14	0	0	0
15–24	0	1	0
25–44	0	2	0
45–64	0	2	0
≥65	6	4	1
Ethnicity, Race			
Non-Hispanic, White	2	4	1
Non-Hispanic, American Indian	4	3	0
Non-Hispanic, Black	0	1	0
Non-Hispanic, Asian	0	1	0
Site of Disease			
Pulmonary/pleural	4	8	1
Extrapulmonary	0	1	0
Pulmonary and Extrapulmonary	2	0	0
Drug Resistance*			
No resistance	5	5	0
Isoniazid resistance	1	2	0
Multiple-drug resistance	0	1	0
Country of Origin			
U.S.-born	6	7	1
Foreign-born	0	2	0

Data source: DPHHS Montana Infectious Disease Information System

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