

Tuberculosis Surveillance Update — Montana, 2013

This report reflects confirmed tuberculosis cases reported to the Montana Department of Public Health and Human Services (DPHHS) in 2013. This report was prepared by the Tuberculosis Program. Please contact Denise Ingman at 406-444-0273 or dingman@mt.gov with questions or comments.

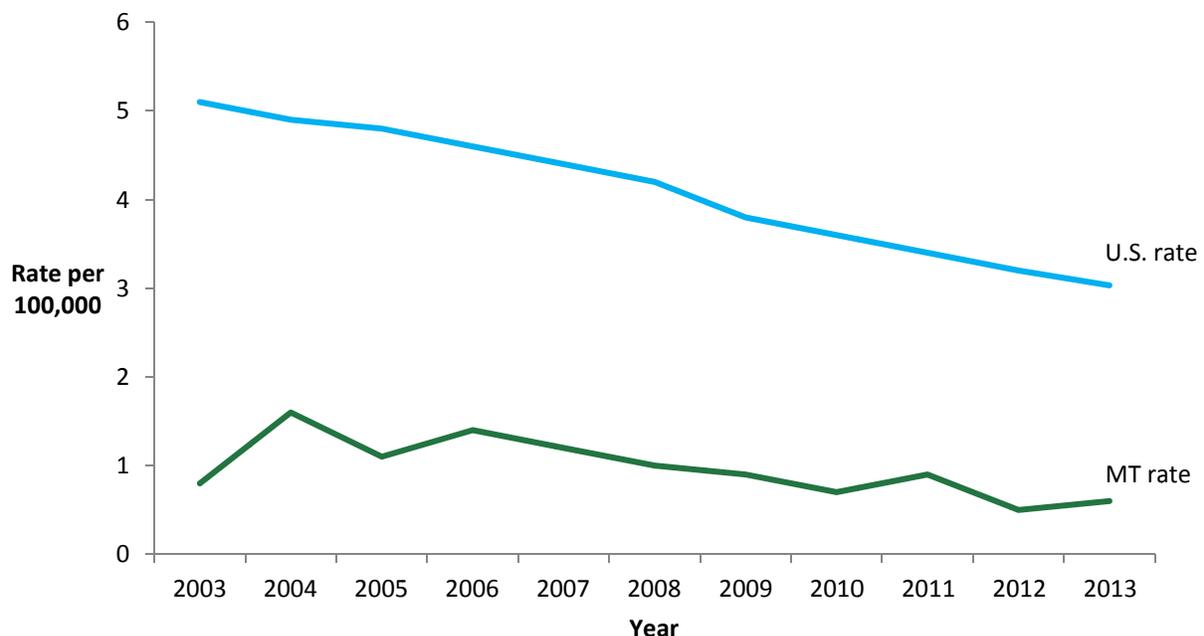
TB Trends (Figures 1 and 2)

- Incidence rates of TB in Montana and the United States have been decreasing; the 2013 MT rate (0.6 cases per 100,000 population) was substantially lower than the 2013 U.S. rate (3.0)
- 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 2000–2013, an average of 10.8 cases per year, approximately 1.2 case per 100,000 population, were reported (range: 5 cases in 2012 to 21 cases in 2000)
- TB cases among American Indians have declined from an average of 9.7 cases per year in the 1990s to 5.1 cases per year during 2000–2013

TB Surveillance Update (Table)

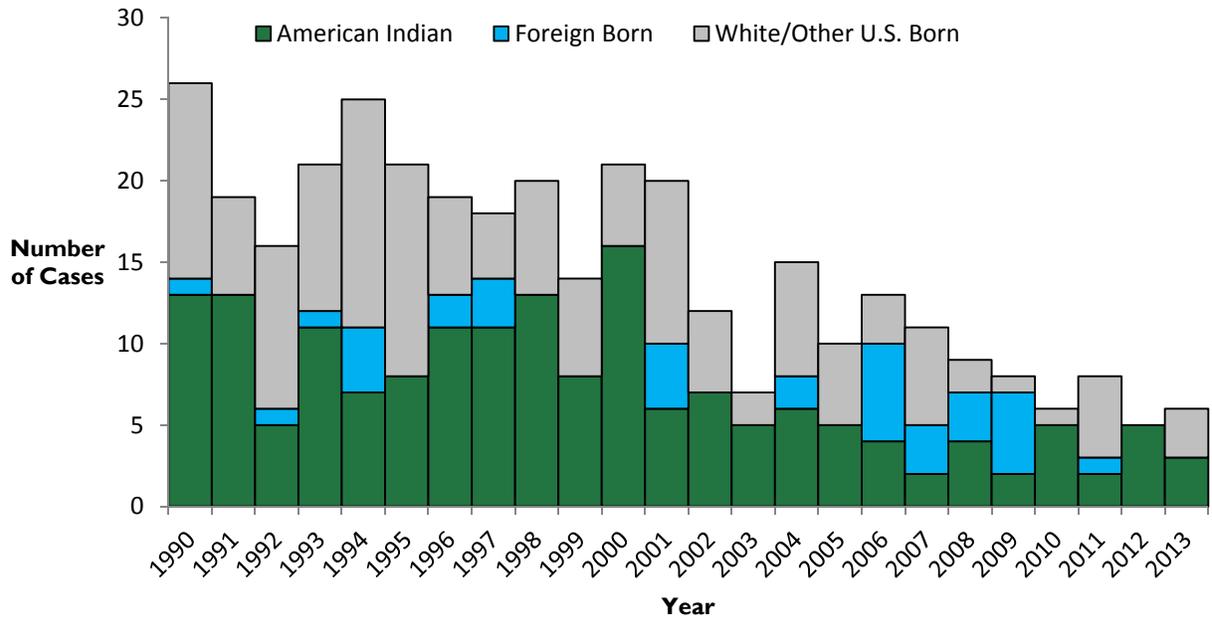
- 6 new cases of active tuberculosis were reported in Montana in 2013
 - 4 patients had pulmonary/pleural disease
 - 1 patient had extrapulmonary disease (bone/joint)
 - 1 patient had pulmonary and extrapulmonary (pericardial fluid) disease
- Big Horn, Dawson, Hill, Lincoln, Richland, and Roosevelt counties were reported as the county of residence for the six TB cases
- 1 out-of-state patient who was reported and counted in another state is being treated and managed in Montana (transfer case; not included in Table)
- 2 patients died before completing treatment; both likely related to delayed diagnosis of TB
- 1 patient had an isolate with single drug resistance to isoniazid (INH), a first-line TB drug
- 1 patient had co-infection with HIV

Figure 1. Tuberculosis incidence rate — Montana and United States, 2003–2013



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

Figure 2. Reported tuberculosis cases — Montana, 1990–2013



Data source: DPHHS Montana Infectious Disease Information System

Table. Summary of reported tuberculosis cases — Montana, 2013

Characteristics	Number of cases
TB Cases Diagnosed in Montana	6
Incidence Rate	
Montana (total)	0.6/100,000 population
Non-Hispanic, American Indian	4.2/100,000 population
Sex	
Male	5
Female	1
Age at Diagnosis (years)	
<5	0
5-14	0
15-24	0
25-44	1
45-64	3
≥65	2
Ethnicity, Race	
Non-Hispanic, White	2
Non-Hispanic, American Indian	3
Non-Hispanic, Black	1
Site of Disease	
Pulmonary/pleural	4
Extrapulmonary	1
Pulmonary and extrapulmonary	1
Drug Resistance	
No resistance	5
Isoniazid resistance	1
Multiple-drug resistance	0
Country of Origin	
U.S.-born	6
Foreign-born	0

Data source: DPHHS Montana Infectious Disease Information System