

# Tuberculosis Surveillance Update — Montana, 2014

This report reflects confirmed tuberculosis cases reported to the Montana Department of Public Health and Human Services (DPHHS) in 2014. This report was prepared by the Tuberculosis Program. Contact Denise Ingman at 406-444-0273 or dingman@mt.gov with questions or comments.

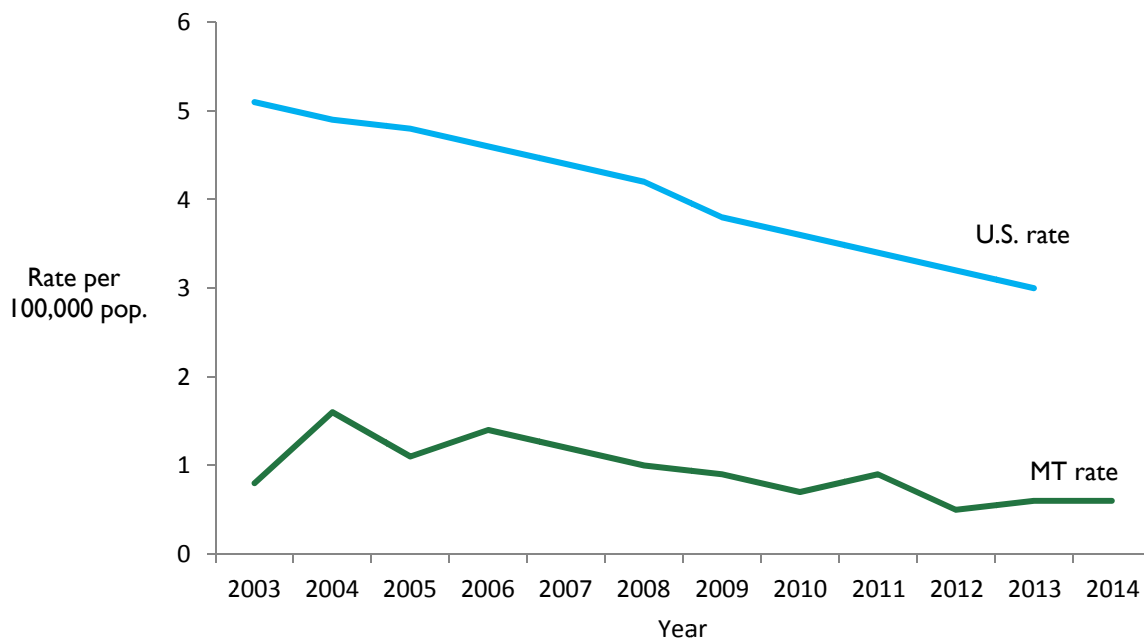
## **TB Trends** (Figures 1 and 2)

- Incidence rates of TB in Montana and the United States have been decreasing; the 2014 MT rate (0.6 cases per 100,000 population) was substantially lower than the 2013 U.S. rate (3.0) (*Note: Provisional 2014 national tuberculosis data will not be released until late March 2015.*)
- 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 2000–2014, an average of 10.5 cases per year, approximately 1.1 case per 100,000 population, were reported (range: 5 cases in 2012 to 21 cases in 2000); during the most recent five-year period (2010–2014) an average of 6.2 cases per year, or 0.6 cases per 100,000 population, were reported
- TB cases among American Indians have declined from an average of 9.7 cases per year in the 1990s to 5.5 cases per year during 2000–2014; during the most recent five-year period (2010–2014) the average decreased to 3.8 cases annually

## **TB Surveillance Update** (Table)

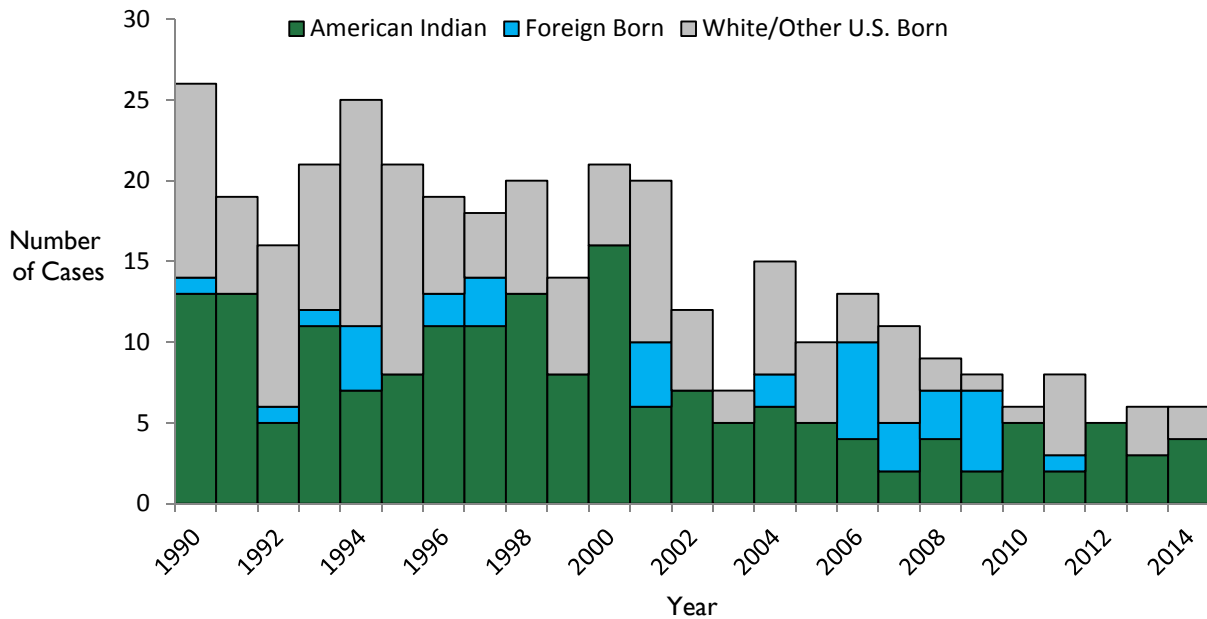
- 6 new cases of active tuberculosis were reported in Montana in 2014
  - 5 patients had pulmonary/pleural disease
  - 1 patient had extrapulmonary disease (bone/joint)
- Cascade, Roosevelt, Rosebud, and Sanders were the counties of residence for the TB cases
- 1 patient had TB that was resistant to isoniazid (INH), a first-line TB drug
- 3 patients died before completing therapy

**Figure 1.** Tuberculosis incidence rate — Montana, 2003-2014 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, 1990–2014



Data source: DPHHS Montana Infectious Disease Information System

**Table.** Summary of reported tuberculosis cases — Montana, 2014

Characteristics	Number of cases
<b>TB Cases Diagnosed in Montana</b>	6
<b>Incidence Rate</b>	
Montana (total)	0.6/100,000 population
Non-Hispanic, American Indian	5.5/100,000 population
<b>Sex</b>	
Male	4
Female	2
<b>Age at Diagnosis (years)</b>	
<5	0
5-14	0
15-24	0
25-44	0
45-64	0
≥65	6
<b>Ethnicity, Race</b>	
Non-Hispanic, White	2
Non-Hispanic, American Indian	4
<b>Site of Disease</b>	
Pulmonary/pleural	4
Extrapulmonary	1
<b>Drug Resistance</b>	
No resistance	5
Isoniazid resistance	1
Multiple-drug resistance	0
<b>Country of Origin</b>	
U.S.-born	6
Foreign-born	0

Data source: DPHHS Montana Infectious Disease Information System