

Tuberculosis

2008 Case Total	100	2008 Rate	2.8 per 100,000
2007 Case Total	149	2007 Rate	4.3 per 100,000

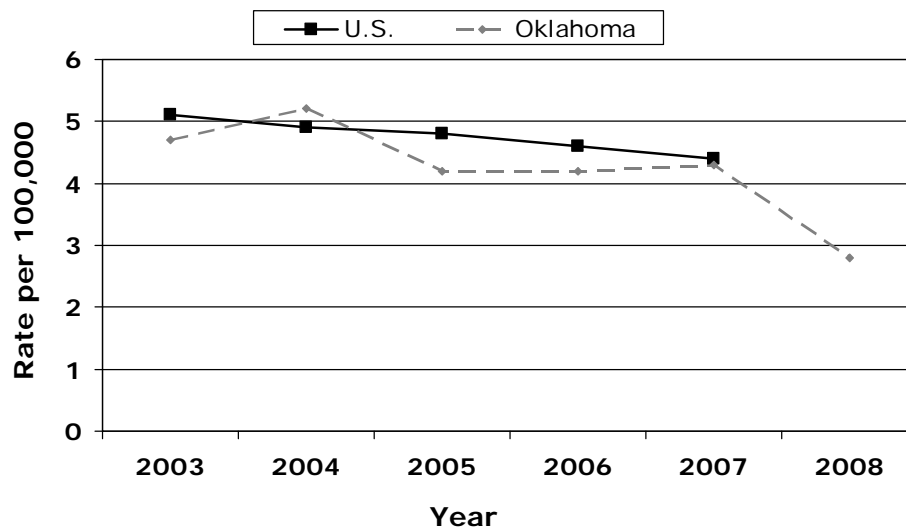
Tuberculosis (TB) is often considered a disease of the past. Nearly one-third of the world's total population, or about two billion people are infected with the bacteria that cause TB. Each year, approximately 9 million people around the world become sick with TB. Through public health efforts of timely case diagnosis, contact investigation, administration of therapy, prevention, and education, the United States has seen a steady decline of TB.

Oklahoma has followed the national trend dropping from 149 cases reported with active tuberculosis disease in 2007 to 100 persons in 2008. Eighty percent of the reported cases of tuberculosis in 2008 were culture confirmed. No multidrug resistant cases were identified in 2008. Persons under 5 years of age represented the highest rate of illness at 4.6 per 100,000 population. Native Hawaiian/Pacific Islanders followed by Asians represented the highest rates of disease with rates of 164.3 and 11.2 per 100,000 population respectively.

Although the rate of TB has declined, TB remains a public health concern in Oklahoma. Prevention, early diagnosis and treatment can make the difference in health issues and keeping communities and families healthy. Persons diagnosed with active TB must comply with an intensive course of treatment. TB disease is treated and cured through a strict regimen in administering the medication, which takes at least six months to properly treat. Oklahoma uses directly observed therapy (DOT), through which a health care provider is assigned to physically observe the patient take doses of TB medication. This helps the patient to effectively adhere to a treatment plan.

For information about TB disease and testing, contact the OSDH Acute Disease Service, TB Division at 405-271-4060, visit this Web site: www.health.ok.gov or contact your local county health department.

Incidence Rate of Reported Tuberculosis Cases by Year, Oklahoma and U.S., 2003-2008



Tuberculosis Trends in Oklahoma, 2003-2008

	2003	2004	2005	2006	2007	2008
# of Oklahoma Cases	163	178	144	144	149	100
Oklahoma Case Rate*	4.7	5.2	4.2	4.2	4.3	2.8
U.S. Case Rate*	5.1	4.9	4.8	4.6	4.2	NA
AGE						
0-4	11 (7%) 5/100,000	14 (8%) 6/100,000	12 (8%) 5/100,000	8 (6%) 3/100,000	12 (8%) 5/100,000	12 (12%) 4.6/100,000
5-14	1 (1%) 1/100,000	10 (6%) 2/100,000	7 (5%) 1/100,000	3 (2%) .6/100,000	9 (6%) 2/100,000	1 (1%) 0.2/100,000
15-24	16 (10%) 3/100,000	24 (13%) 5/100,000	7 (5%) 1/100,000	9 (6%) 2/100,000	11 (7%) 2/100,000	8 (8%) 1.5/100,000
25-44	51 (31%) 5/100,000	50 (28%) 5/100,000	40 (28%) 4/100,000	36 (25%) 4/100,000	36 (24%) 4/100,000	29 (29%) 3.0/100,000
45-64	52 (32%) 7/100,000	54 (30%) 7/100,000	53 (37%) 7/100,000	56 (39%) 7/100,000	60 (40%) 8/100,000	32 (32%) 3.5/100,000
65-Over	32 (20%) 7/100,000	27 (15%) 6/100,000	25 (17%) 5/100,000	32 (22%) 7/100,000	21 (14%) 5/100,000	18 (18%) 3.7/100,000
RACE**						
American Indian/Alaska Native	33 (20%) 12/100,000	36 (20%) 13/100,000	32 (22%) 12/100,000	22 (15%) 8/100,000	30 (20%) 11/100,000	19 (19%) 6.7/100,000
Asian	16 (10%) 34/100,000	20 (11%) 43/100,000	14 (10%) 30/100,000	20 (10%) 43/100,000	8 (5%) 17/100,000	7 (7%) 11.2/100,000
Black	27 (17%) 9/100,000	32 (18%) 12/100,000	21 (15%) 8/100,000	22 (15%) 8/100,000	22 (15%) 8/100,000	23 (23%) 8.0/100,000
Native Hawaiian or Pacific Islander	0 0	0 0	0 0	0 0	5 (3%) 210/100,000	6 (6%) 164.3/100,000
White	87 (53%) 3/100,000	88 (50%) 3/100,000	70 (49%) 3/100,000	79 (55%) 3/100,000	84 (56%) 3/100,000	45 (45%) 1.6/100,000
Mixed	0 0	2 (1%) 1/100,000	7 (4%) 4/100,000	1 (.7%) .6/100,000	-- --	-- --
Hispanic	18 (11%) 10/100,000	29 (32%) 16/100,000	21 (15%) 7/100,000	25 (17%) 13/100,000	25 (17%) 14/100,000	13 (13%) 5.0/100,000
SPECIAL POPULATIONS						
Foreign Born	37 (23%)	37 (21%)	35 (24%)	39 (27%)	38 (26%)	30 (30%)
Univ. Students	8 (5%)	5 (3%)	2 (1%)	5 (3%)	2 (1%)	1 (1%)
Homeless	7 (4%)	9 (5%)	13 (9%)	8 (6%)	7 (5%)	8 (8%)
Nursing Homes	5 (3%)	5 (3%)	5 (3%)	8 (6%)	4 (3%)	5 (5%)
AIDS/TB	10 (6%)	4 (2%)	10 (7%)	6 (4%)	5 (3%)	3 (3%)
Prisoners	6 (4%)	11 (6%)	8 (6%)	7 (5%)	2 (1%)	2 (2%)
BACTERIOLOGY						
Resistance To INH	9 (5.6%)	1 (1%)	5 (5%)	3 (2%)	0	3 (3%)
MDR-TB	1 (.8%)	0 (N/A)	1 (1%)	0 (N/A)	0	0
Culture Positive for MTB	126 (77%)	109 (61%)	93 (65%)	73 (51%)	91 (61%)	80 (80%)

*Rate per 100,000 calculated using U.S. Census Population Estimates