



# Tuberculosis in Lake County, 2008-2012

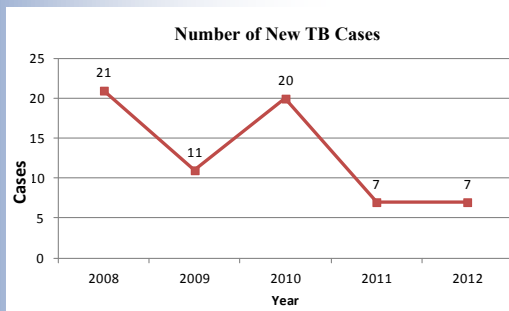
Lake County Health Department  
and Community Health Center  
Irene Pierce, Executive Director

## Lake County Health Department TB Program

The Tuberculosis (TB) program is a statutorily authorized entity responsible for the prevention and control of TB in Lake County. Services include TB screening, testing, education, treatment, contact investigation, state reporting, and immigration follow-up clearance for those with history of TB or Latent TB Infection (LTBI).

## New Cases

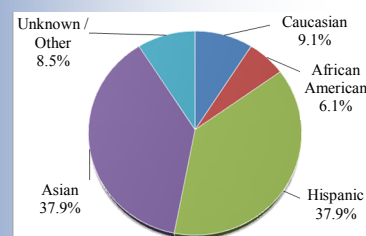
The number of newly diagnosed Tuberculosis (TB) cases in Lake County plateaued in 2011 and 2012 with 7 diagnoses each year for a rate of 1.0/100,000, representing a decline of 185% from 2010 when 20 new TB cases were diagnosed.



This is also the fewest number of new cases in the last four years. The number of new cases has fluctuated year to year.

## Age, Race/Ethnicity, and Place of Birth

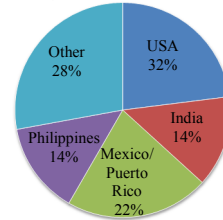
Between 2008 and 2012, most cases were diagnosed to people in the age group 25-44 (37.9% of all cases). There were 2 pediatric cases (0-14 years old) diagnosed in 2009, however none the other 3 years. The majority of new cases of TB in Lake County from 2008-



New TB Cases by Race/Ethnicity, 2008-2012

2012 have been diagnosed to either Hispanic people (37.9%) and Asian people (37.9%).

Nativity of TB Cases 2008-2012

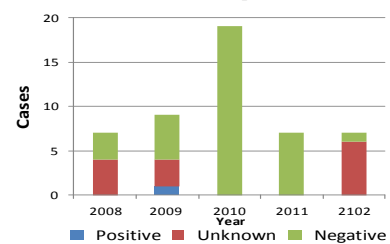


About 77.0% of individuals were foreign born. The majority of the foreign born cases came from India (13.8), Mexico/Puerto Rico (21.5%) and the Philippines (13.8%).

## Co-Morbidity

People who have both HIV infection and LTBI are 20 to 30 times as likely to

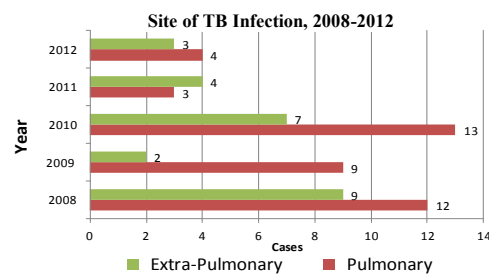
HIV Status for People with TB



develop active TB disease as those who do not have HIV infection.<sup>1</sup> Only 1.9% of new TB cases were also infected with HIV. However, 24.5% of cases had an HIV status of unknown.

## TB Infection Site

Pulmonary TB is TB that occurs in the lungs. Extrapulmonary TB occurs in places other than the lungs. The majority of cases in Lake County were Pulmonary TB infections (62.1%).



## Drug-Resistance

Multidrug-resistant TB (MDR TB) is caused by an organism that is resistant to at least isoniazid and rifampin, the two most potent TB drugs.<sup>2</sup> There was one case of MDR TB between 2008 and 2012. Additionally, there were 2 cases where the patient had a strain of TB that was resistant to only isoniazid.

1-CDC, HIV and TB, [www.cdc.gov](http://www.cdc.gov)

2-CDC, Drug-Resistant TB, [www.cdc.gov](http://www.cdc.gov)