

Epidemiology of Tuberculosis Cases in Chicago

March 28, 2018 2018 World TB Day Conference

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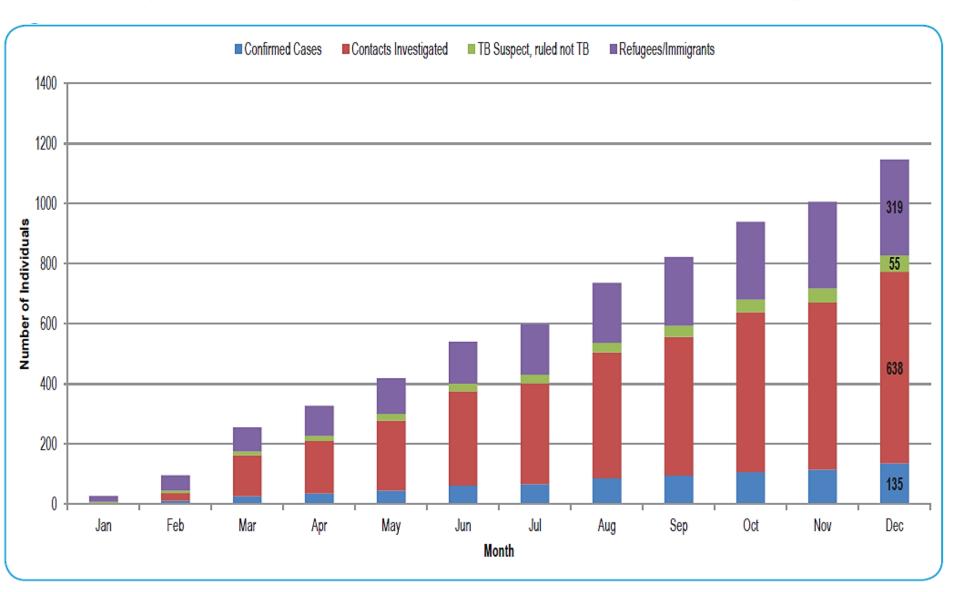
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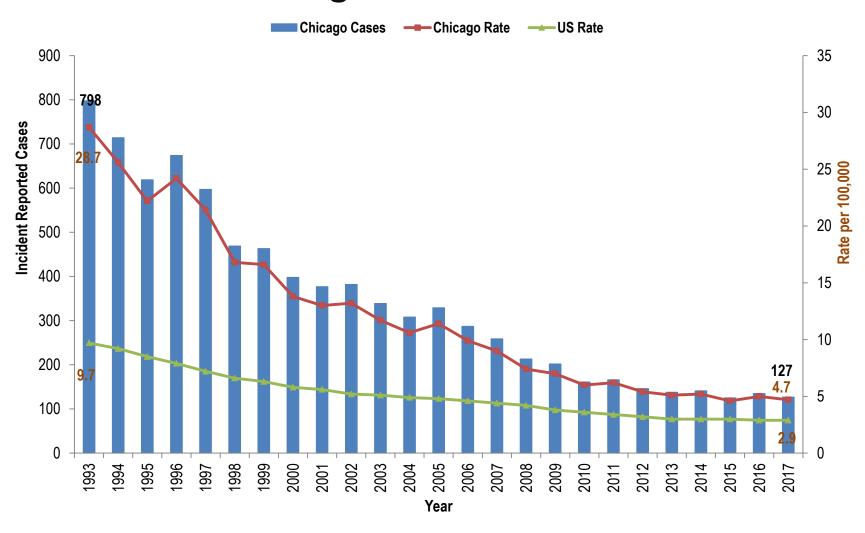
Chicago Department of Public Health TB Program

- Serve City of Chicago, ~2.7 million people
- 17 FTE + CDC Assignee
 - Medical Director
 - Program Director
 - Epidemiologist
 - Case Management
 - 5 Public Health Nurses (PHN)
 - Field Services
 - 7 Disease Investigators
 - 2 Public Health Assistants (DOT)

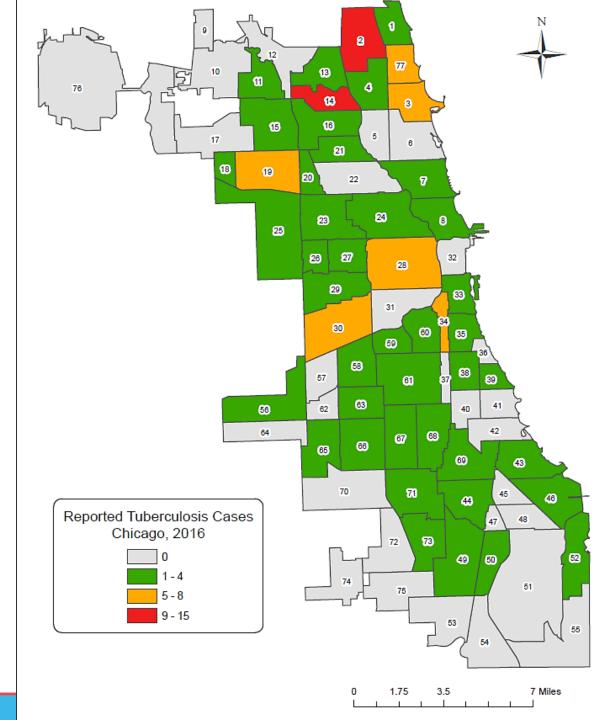
Chicago Department of Public Health TB Program



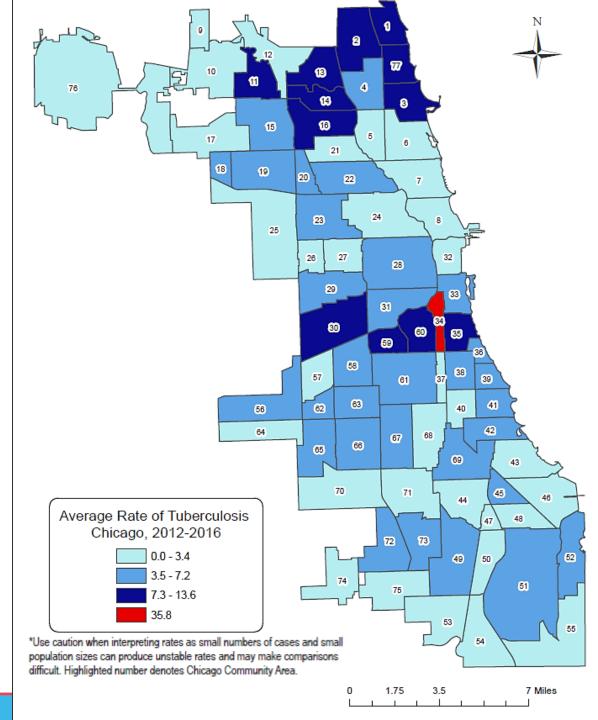
Number of TB cases and Rates by year, Chicago 1993 - 2017



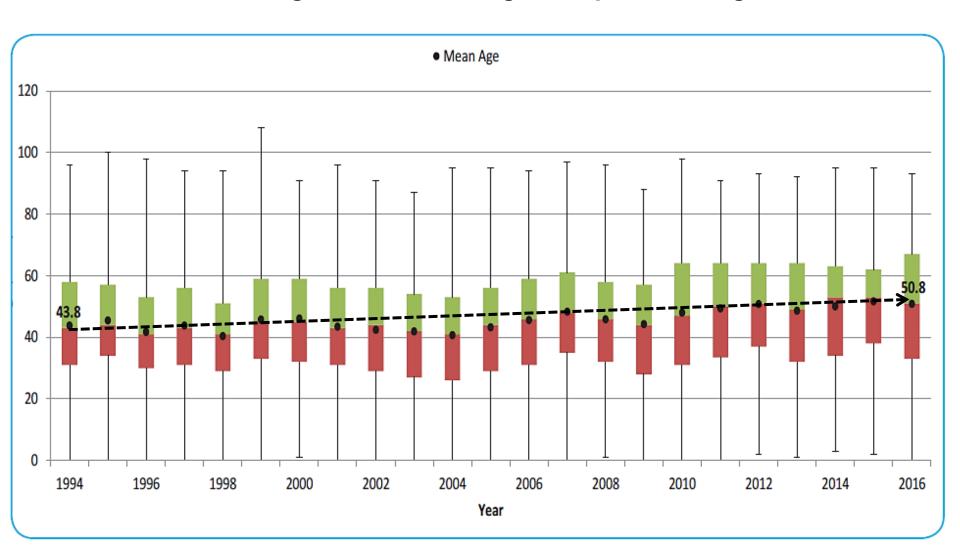
Number of Tuberculosis Reported, Chicago, 2016



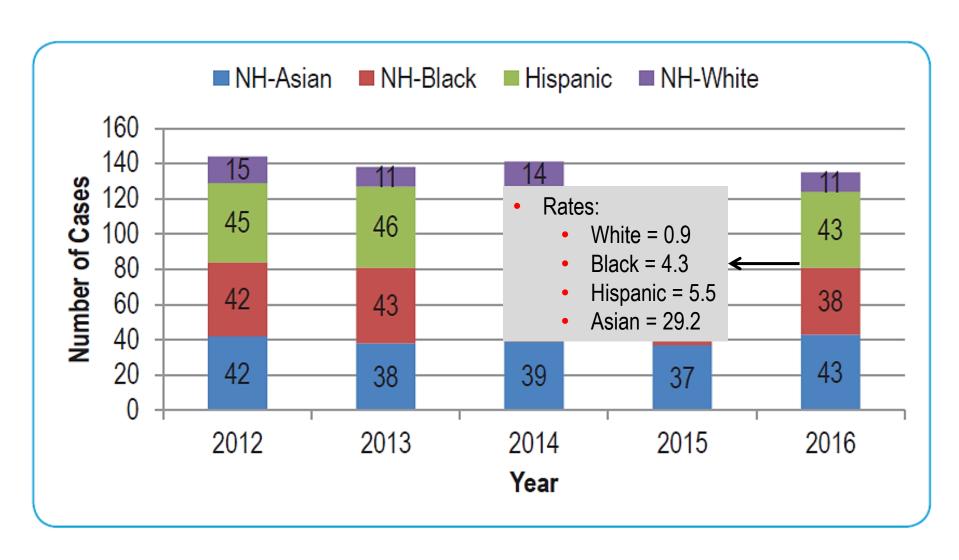
Rate of Tuberculosis, Chicago, 2012-2016



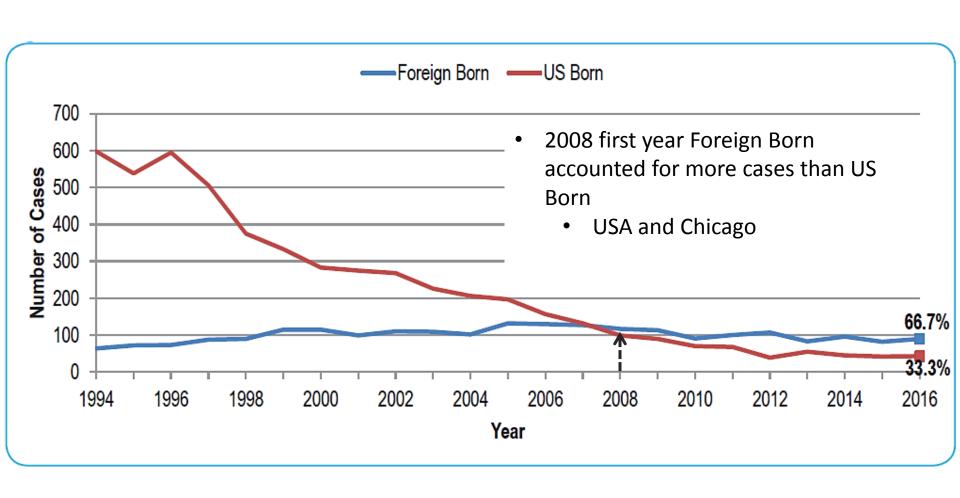
Mean, range and trend of age at report, Chicago



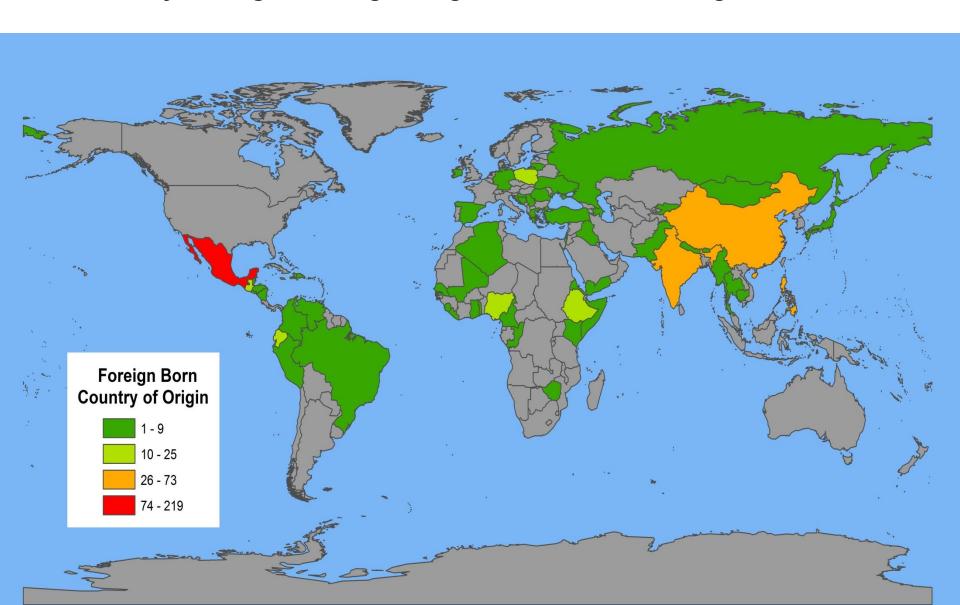
Race and ethnicity, Chicago



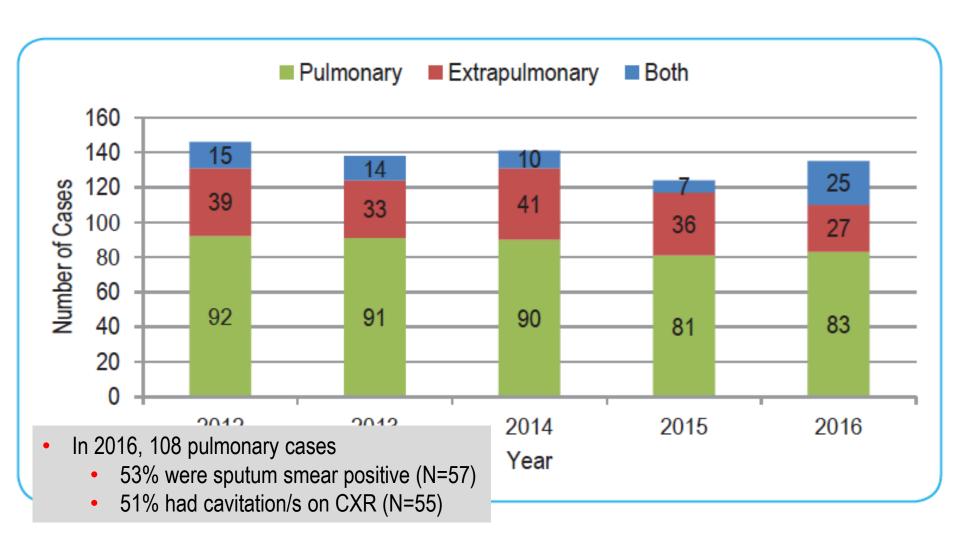
Place of birth, Chicago



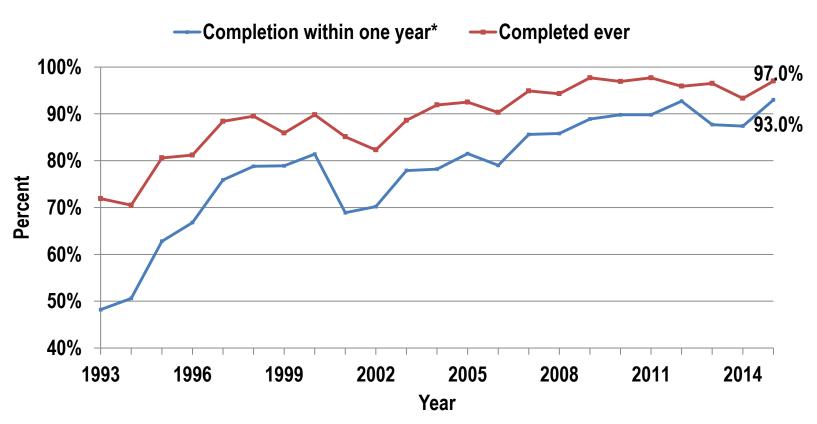
Country of origin among foreign born cases, Chicago, 2011-2015



Site of TB Disease, Chicago, 2012-2016

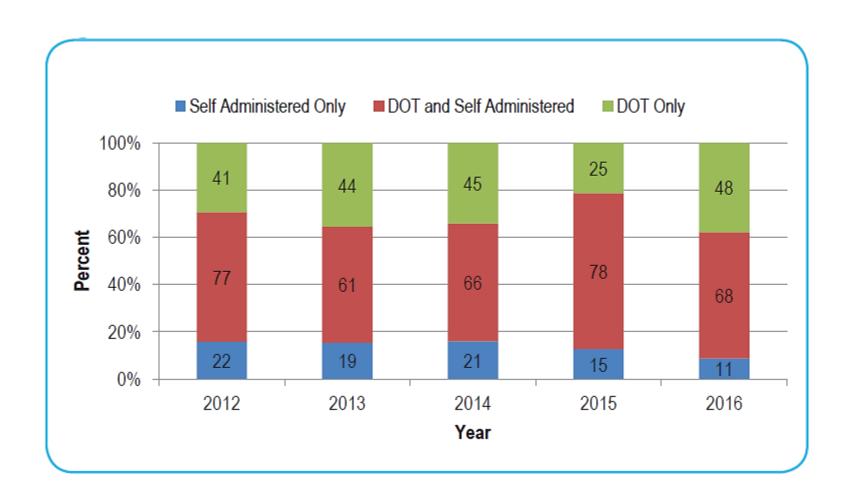


TB Treatment Completion, Chicago, 1993-2015

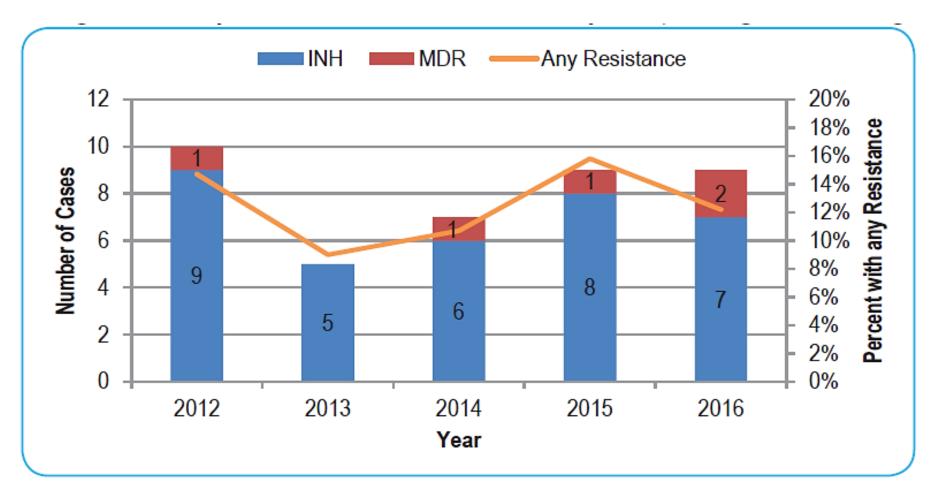


^{*} Patients who died during or before treatment or who moved out of the country are excluded. Patients with resistance to rifampin, meningeal TB, TB of the bone or skeletal system, TB in the central nervous system and children with disseminated TB were also excluded due to expected longer duration of treatment. Treatment duration varies based on clinical presentations of each individual patient and the nature of their TB disease.

Direct Observation of Therapy DOT, Chicago, 2012-2016



TB Drug Resistance, Chicago, 2012-2016



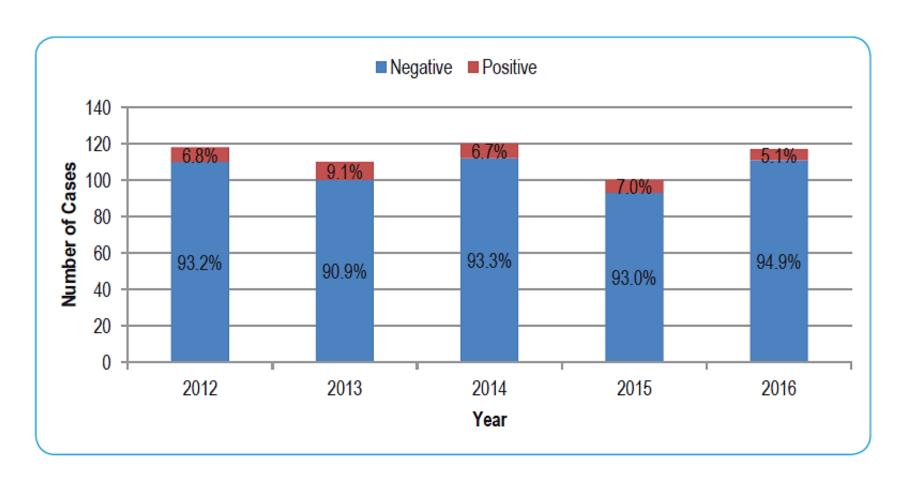
MDR = Multidrug resistant. Indicates at least isoniazid and rifampin resistance, but not XDR.

XDR = Extensively drug resistant. Indicates MDR plus resistance to an injectable and a quinolone.

Co-Morbidities of TB Cases, Chicago, 2012-2016

	HIV Co-infection (% of tested)		Diabetes	
Year	No.	(%)	No.	(%)
2012	8	(6.8%)	23	(15.8%)
2013	10	(9.1%)	17	(12.3%)
2014	8	(6.7%)	26	(18.4%)
2015	7	(7.0%)	34	(27.4%)
2016	6	(5.1%)	27	(20.0%)
Total	39	(6.9%)	127	(18.6%)

Co-Morbidities of TB Cases, HIV, Chicago, 2012-2016



Characteristics of TB Cases, Chicago, 2012-2016

