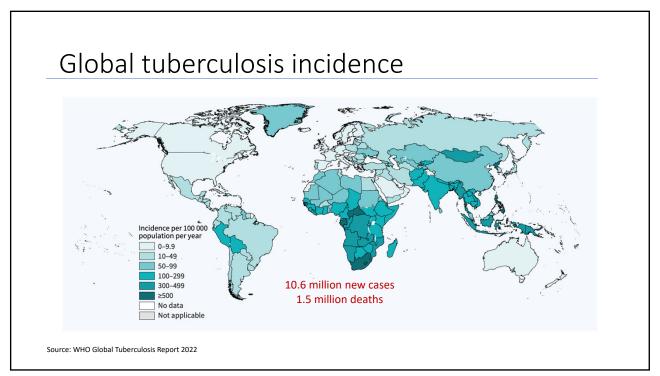
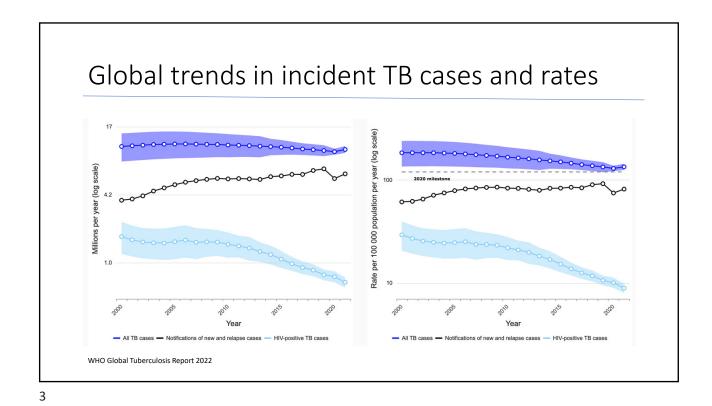
Overview of Global and National TB Epidemiology, 2023

Neil W. Schluger, M.D.

Barbara and William Rosenthal Professor of Medicine
Chairman, Department of Medicine
New York Medical College

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Global trends in TB deaths and mortality rate

(a) Number

(b) Rate per 100 000 population

(c) Rate per 100 000 population

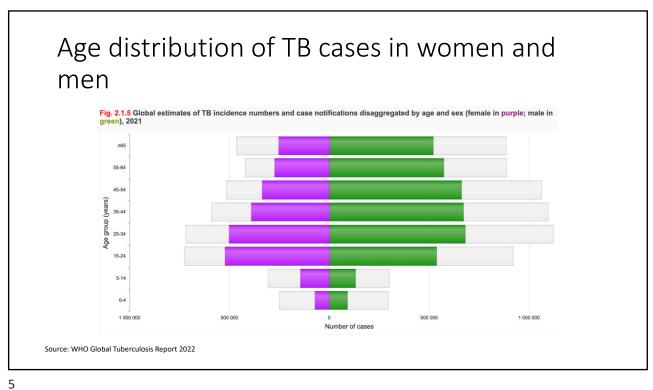
(d) Population

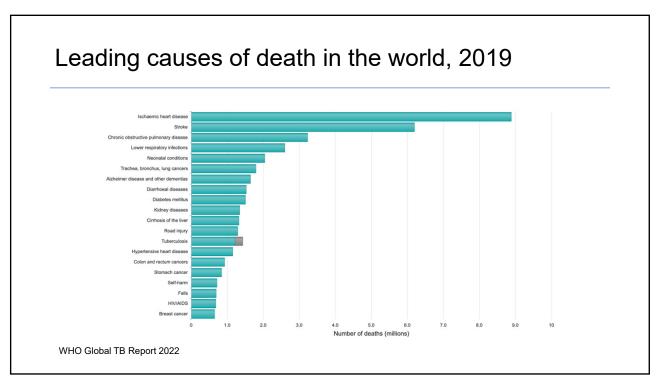
(e) Rate per 100 000 population

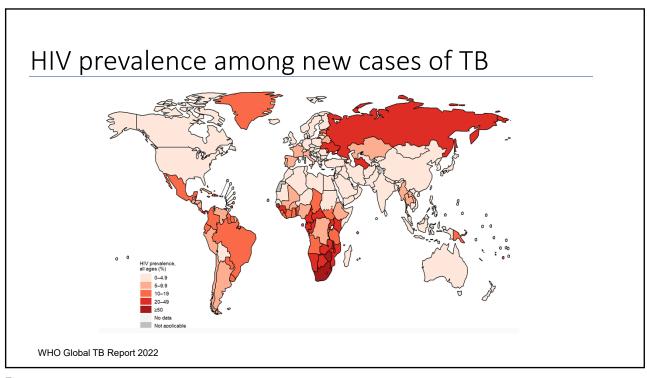
(f) Rate per 100 000 population

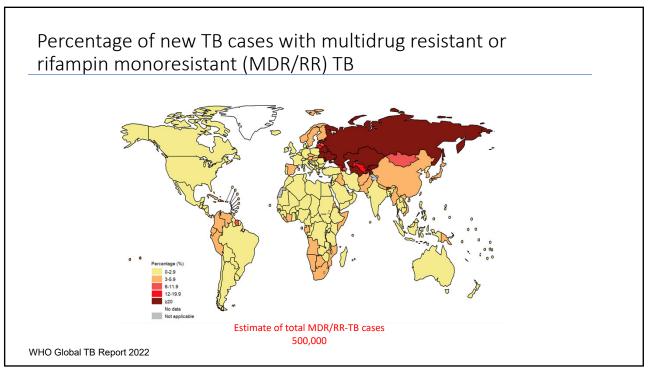
(g) Rate per 100 000 population

(h) Rate per 100 000 pop

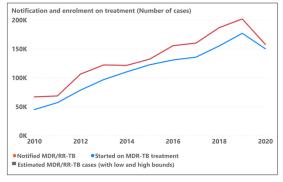


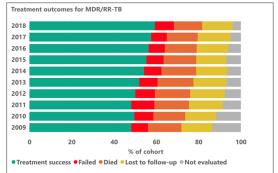






Most patients with MDR-TB are neither diagnosed nor treated, and outcomes of treatment are suboptimal





Source: WHO, accessed at www.who.int/tb/data on March 28, 2022

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High-burden countries for TB, TB/HIV and **MDRTB** Brazil Central African Republic Congo Ethiopia Gabon Kenya Lesotho Liberia Namibia Thailand Uganda Juited Republic of Tanzania

TB/HIV

China
Democratic Republic
of the Congo
India
Indonesia
Mozambique
Myanmar
Nigeria
Philippines
South Africa
Zambia

Botswana Cameroon Eswatini Guinea Guinea-Bissau Malawi Russian Federation Zimbabwe

Angola Bangladesh Democratic People's Republic of Korea Mongolia Pakistan Papua New Guinea Viet Nam

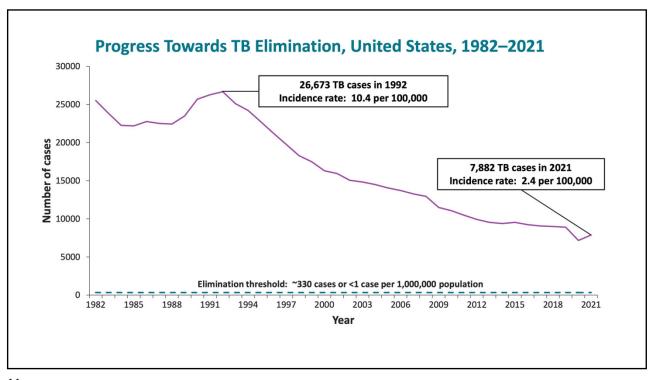
Azerbaijan Belarus Kazakhstan Nepal Peru Republic of Moldova Russian Federation Somalia Tajikistan Ukraine Uzbekistan Zimbabwe

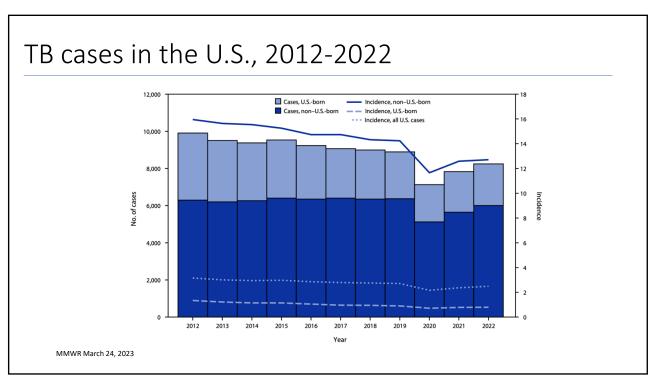
MDR/RR-TB

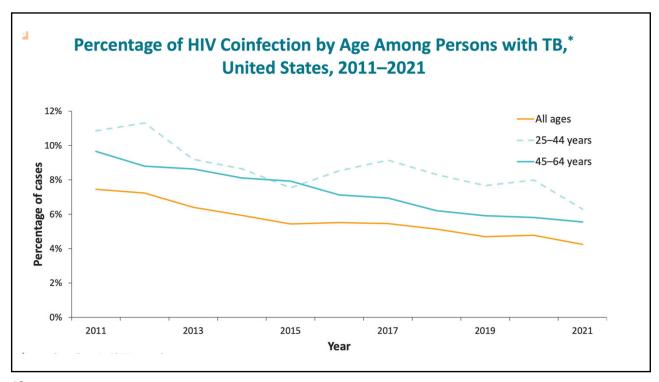
TB

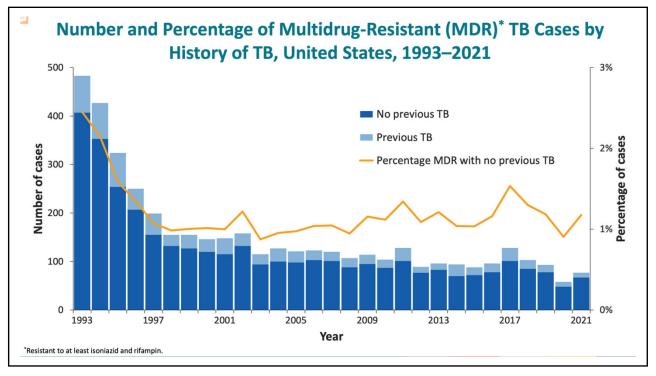
Sierra Leone

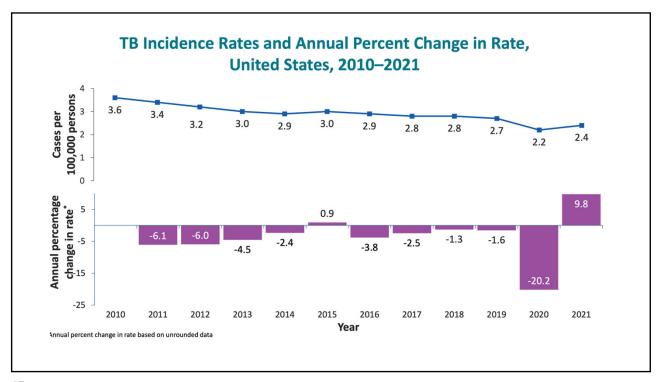
WHO, Global Tuberculosis Report 2021

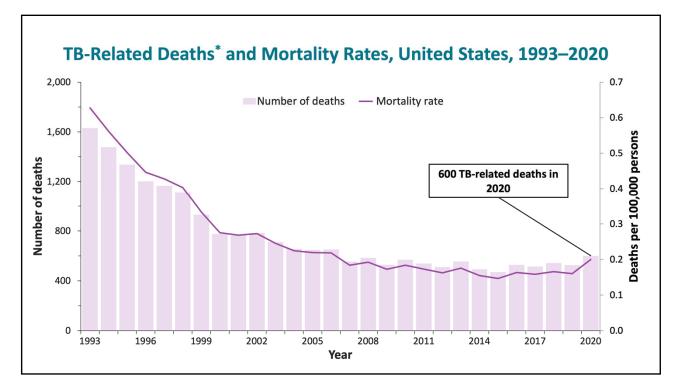


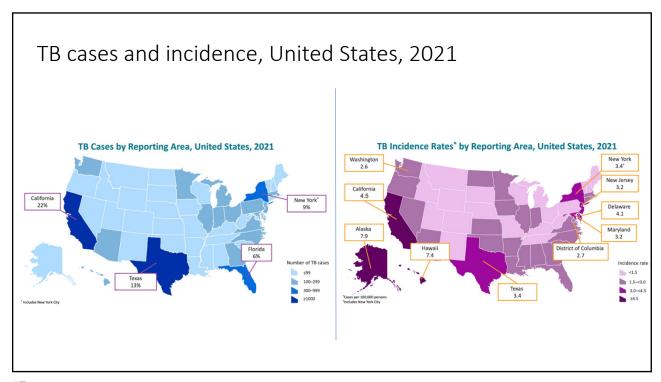


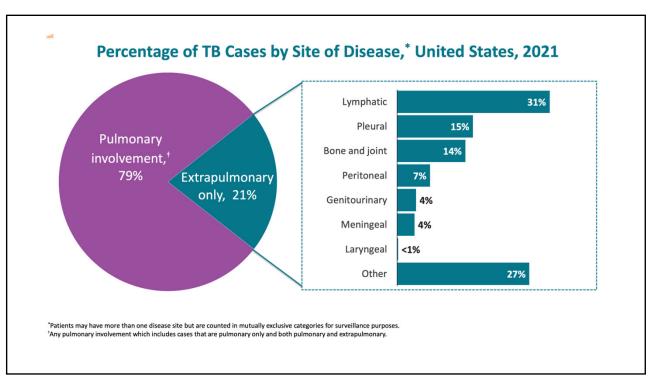


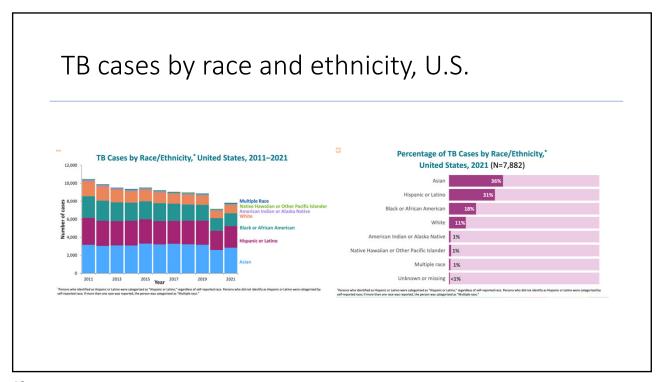


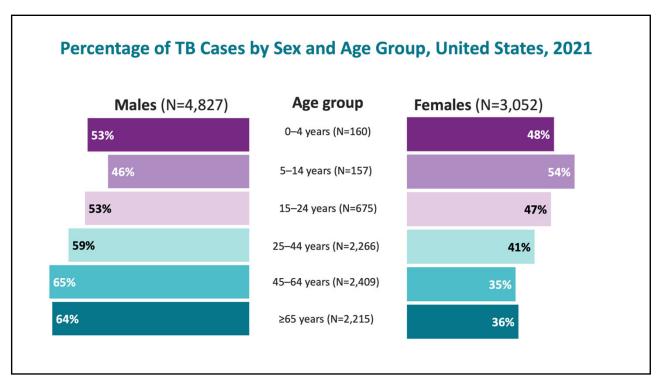


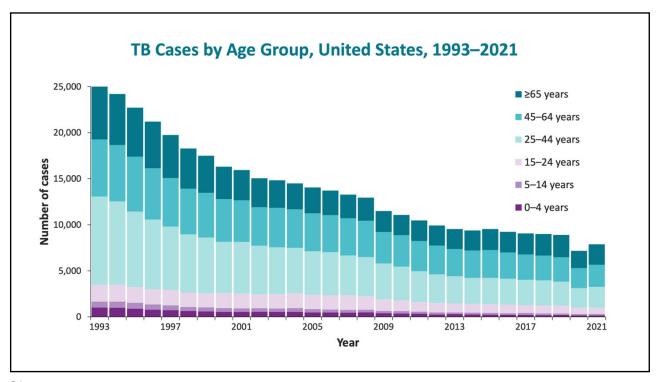


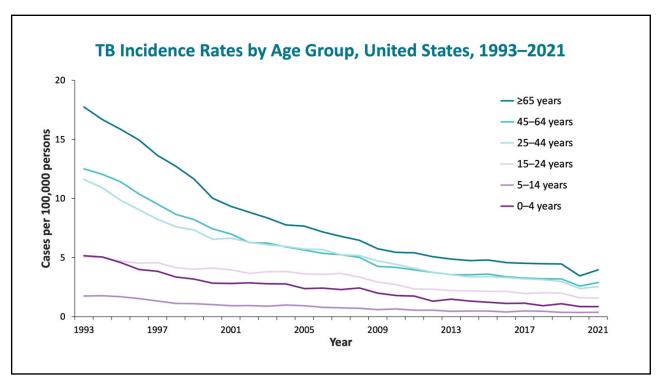


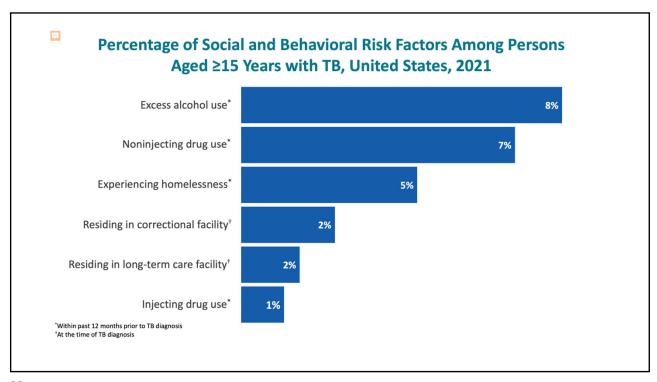


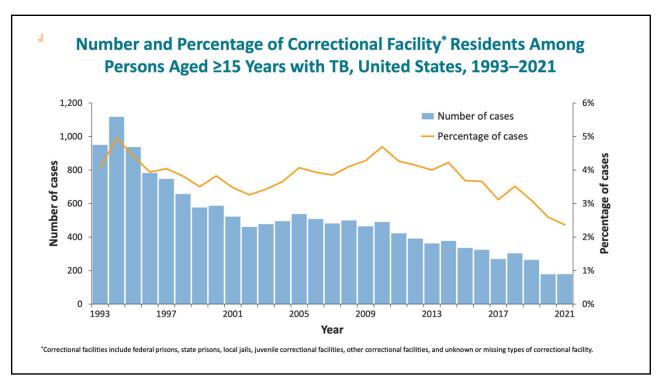


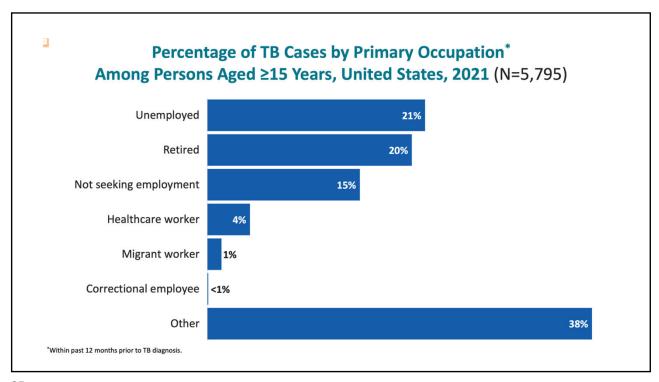


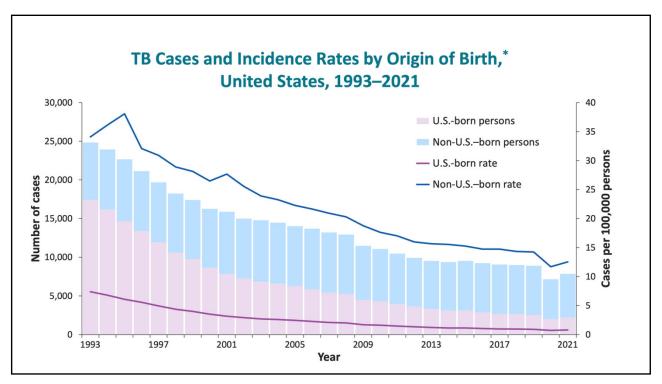


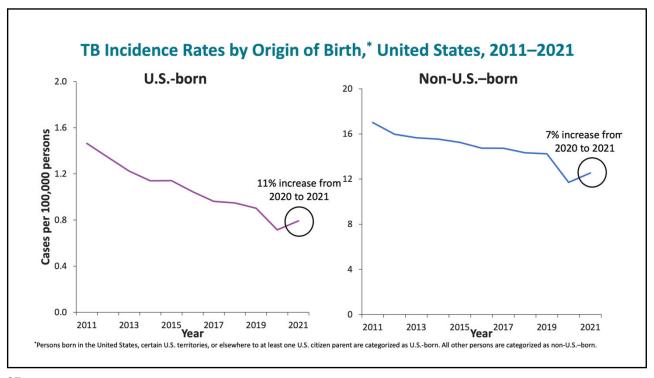


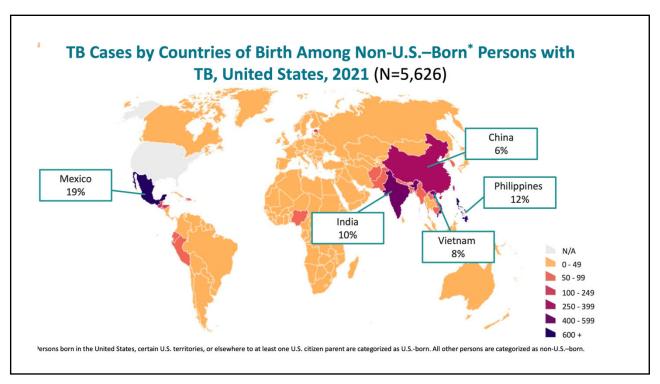


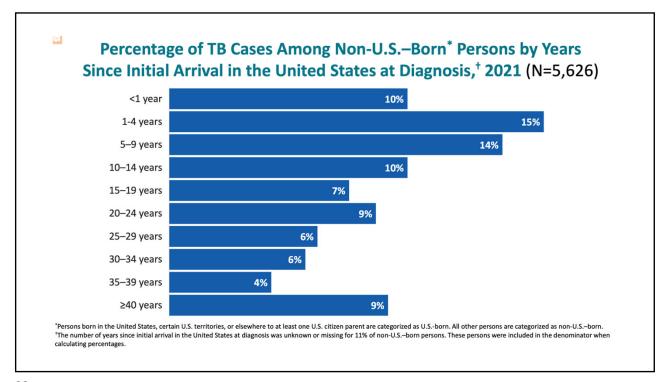


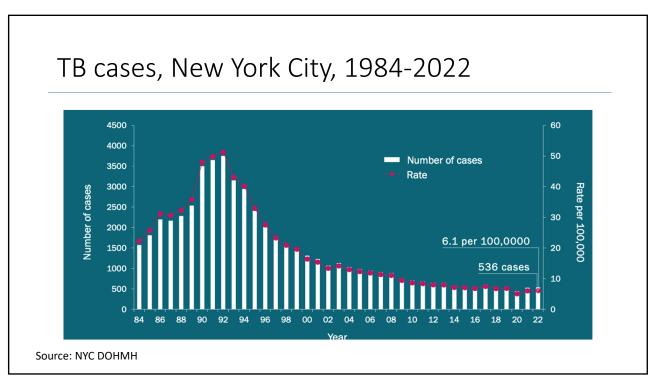


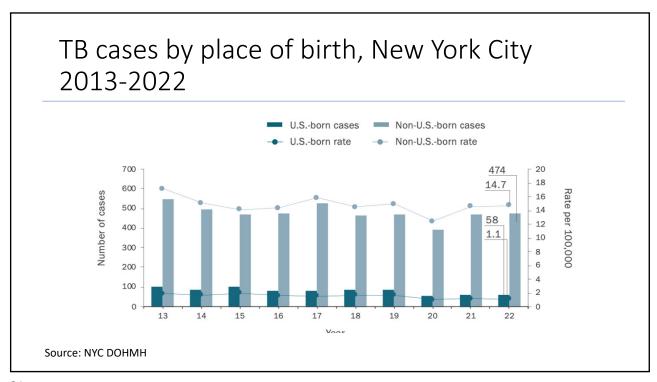


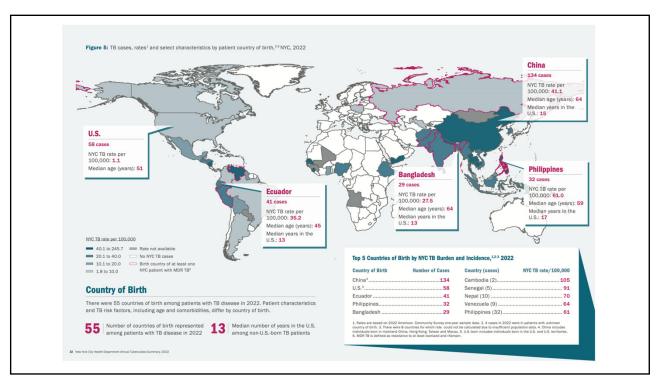


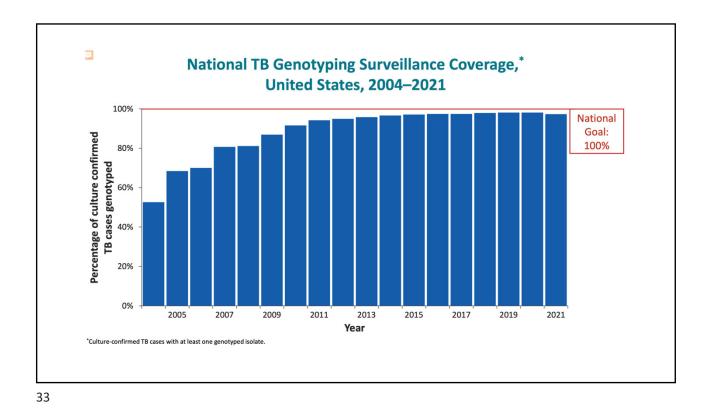


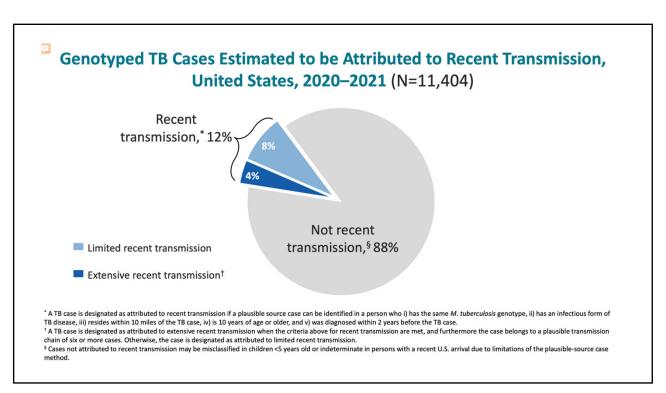


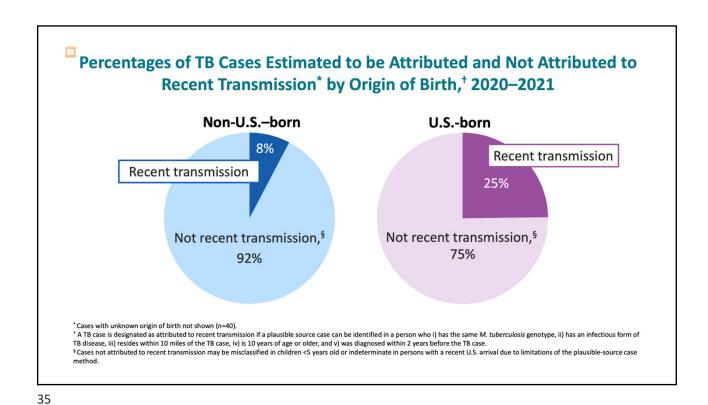




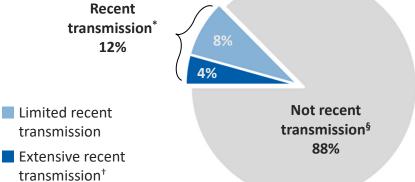








Genotyped TB Cases Estimated to be Attributed to Recent Transmission, United States, 2019–2020 (N=12,242)



^{*} A TB case is designated as attributed to recent transmission if a plausible source case can be identified in a person who i) has the same *M. tuberculosis* genotype, ii) has an infectious form of TB disease, iii) resides within 10 miles of the TB case, iv) is 10 years of age or older, and v) was diagnosed within 2 years before the TB case.

[†] A TB case is designated as attributed to extensive recent transmission when the criteria above for recent transmission are met, and furthermore the case belongs to a plausible transmission chain of six or more cases. Otherwise, the case is designated as attributed to limited recent transmission.

[§] Cases not attributed to recent transmission may be misclassified in children <5 years old or indeterminate in persons with a recent U.S. arrival due to limitations of the plausible-source case method.

Epidemiology of TB 2023: Conclusions

- Globally, TB incidence rates have declined only gradually over the past 20 years
- The Covid-19 pandemic set back TB control efforts sharply in 2020 and led to an increase in TB mortality globally
- Mortality rates from TB have declined more sharply
- TB rates in the United States are at historic lows
- Non-U.S. born persons account for the majority of cases of active TB in the U.S. and almost all cases in this segment of the population are due to reactivation and not community transmission