

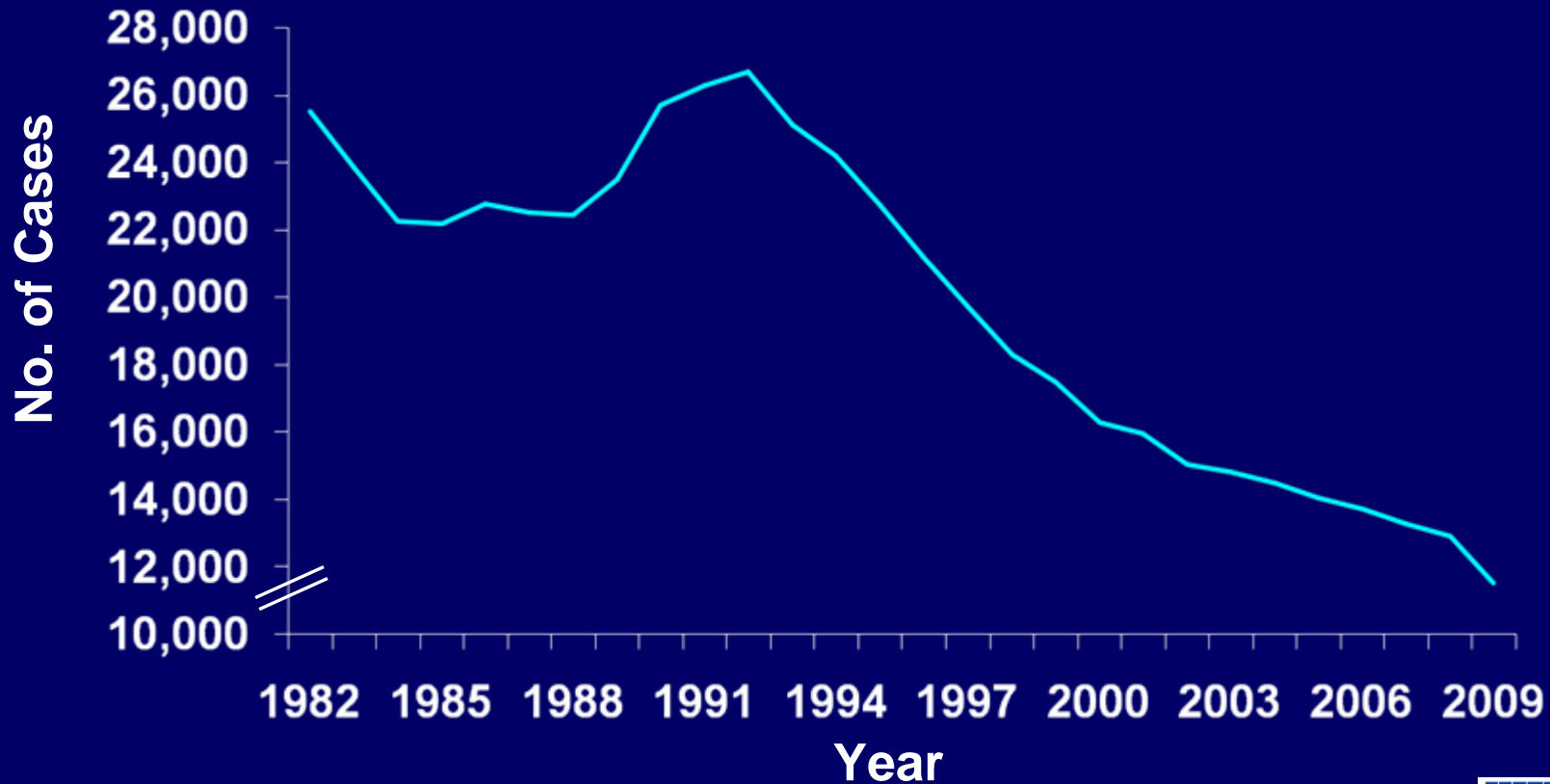
Tuberculosis in the United States

National Tuberculosis Surveillance System Highlights from 2009

**Division of Tuberculosis Elimination
Centers for Disease Control and Prevention**



Reported TB Cases* United States, 1982–2009



*Updated as of July 1, 2010.



TB Morbidity

United States, 2003–2009

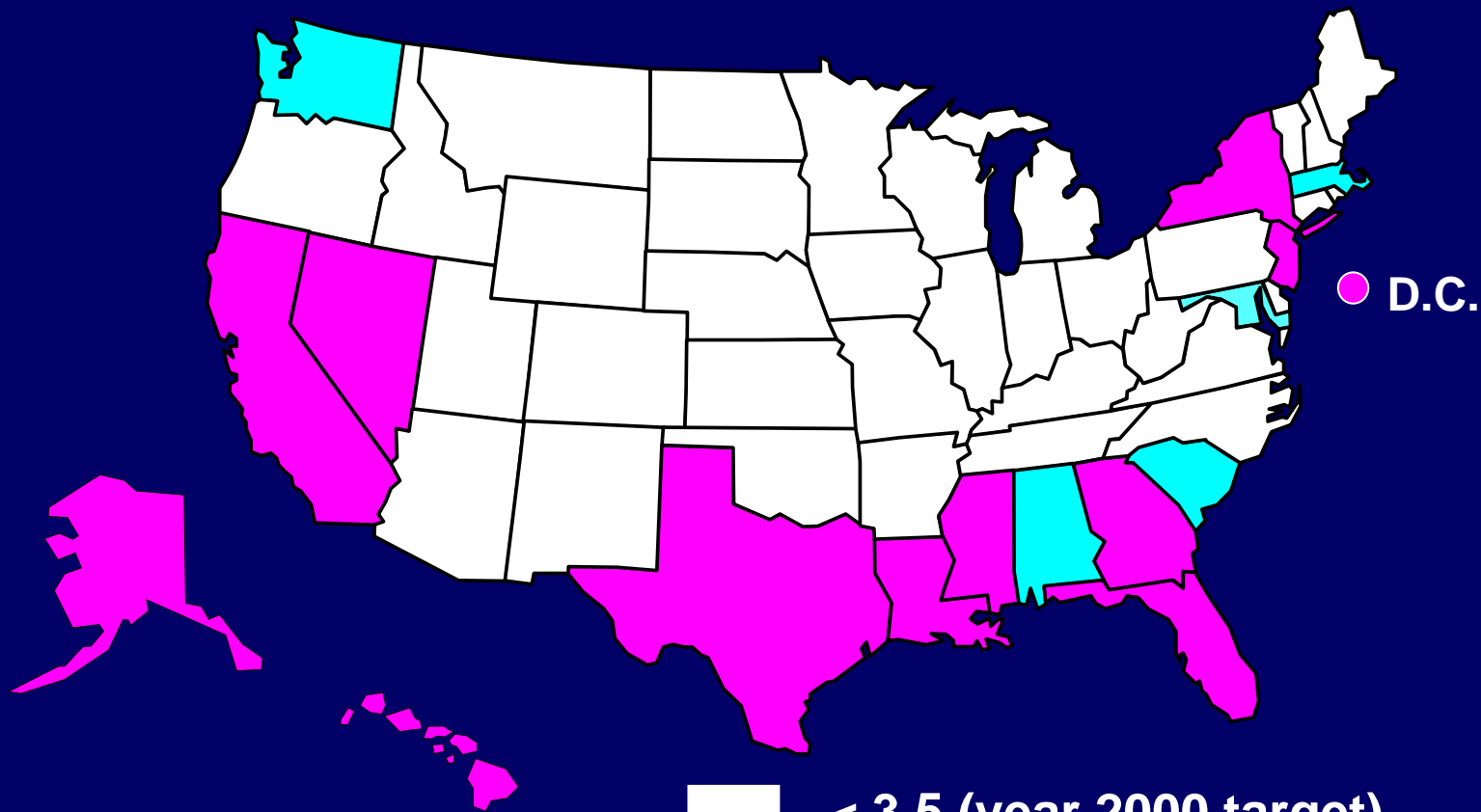
Year	No.	Rate*
2003	14,836	5.1
2004	14,499	4.9
2005	14,064	4.8
2006	13,734	4.6
2007	13,280	4.4
2008	12,906	4.2
2009	11,545	3.8



*Cases per 100,000, updated as of July 1, 2010.



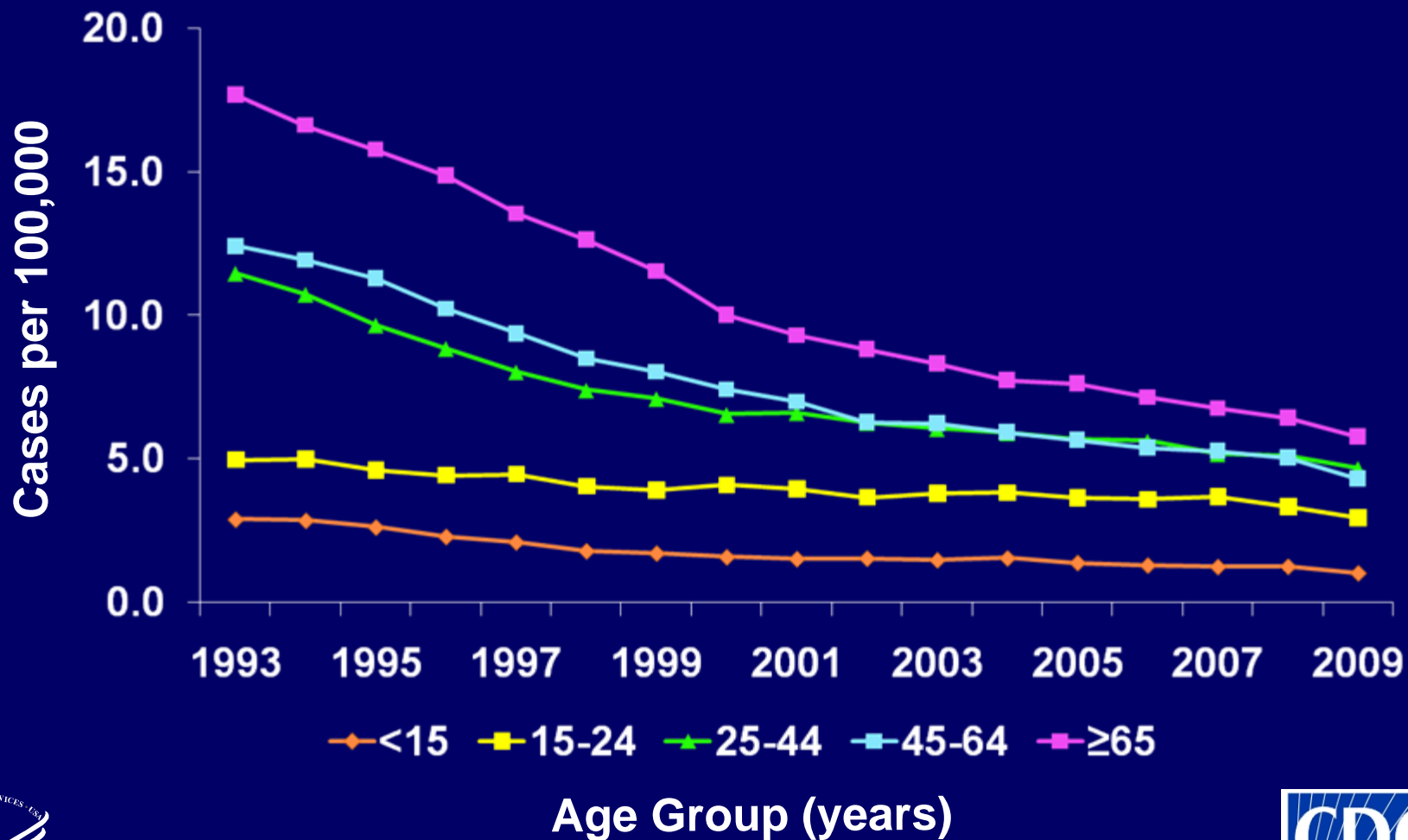
TB Case Rates,* United States, 2009



*Cases per 100,000.



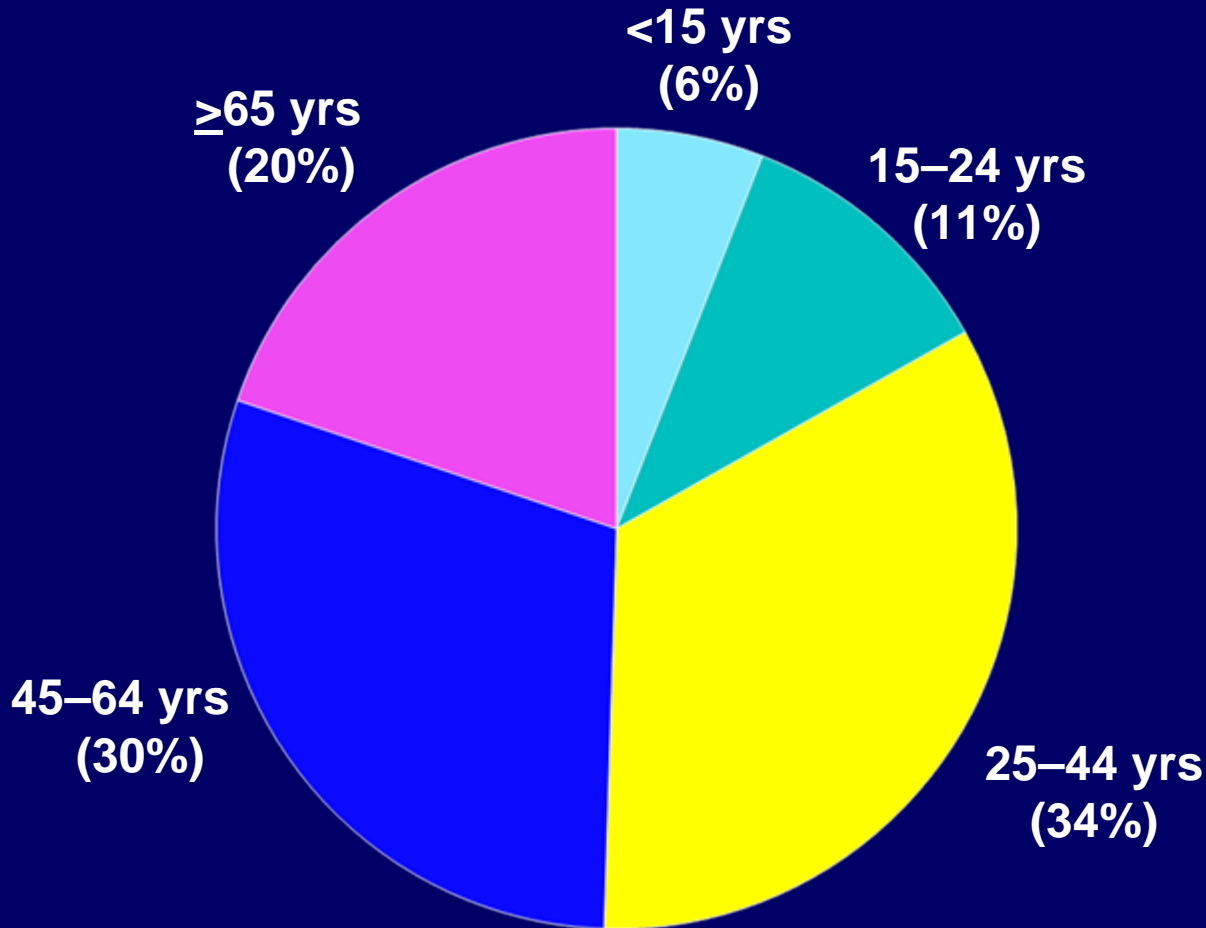
TB Case Rates* by Age Group United States, 1993–2009



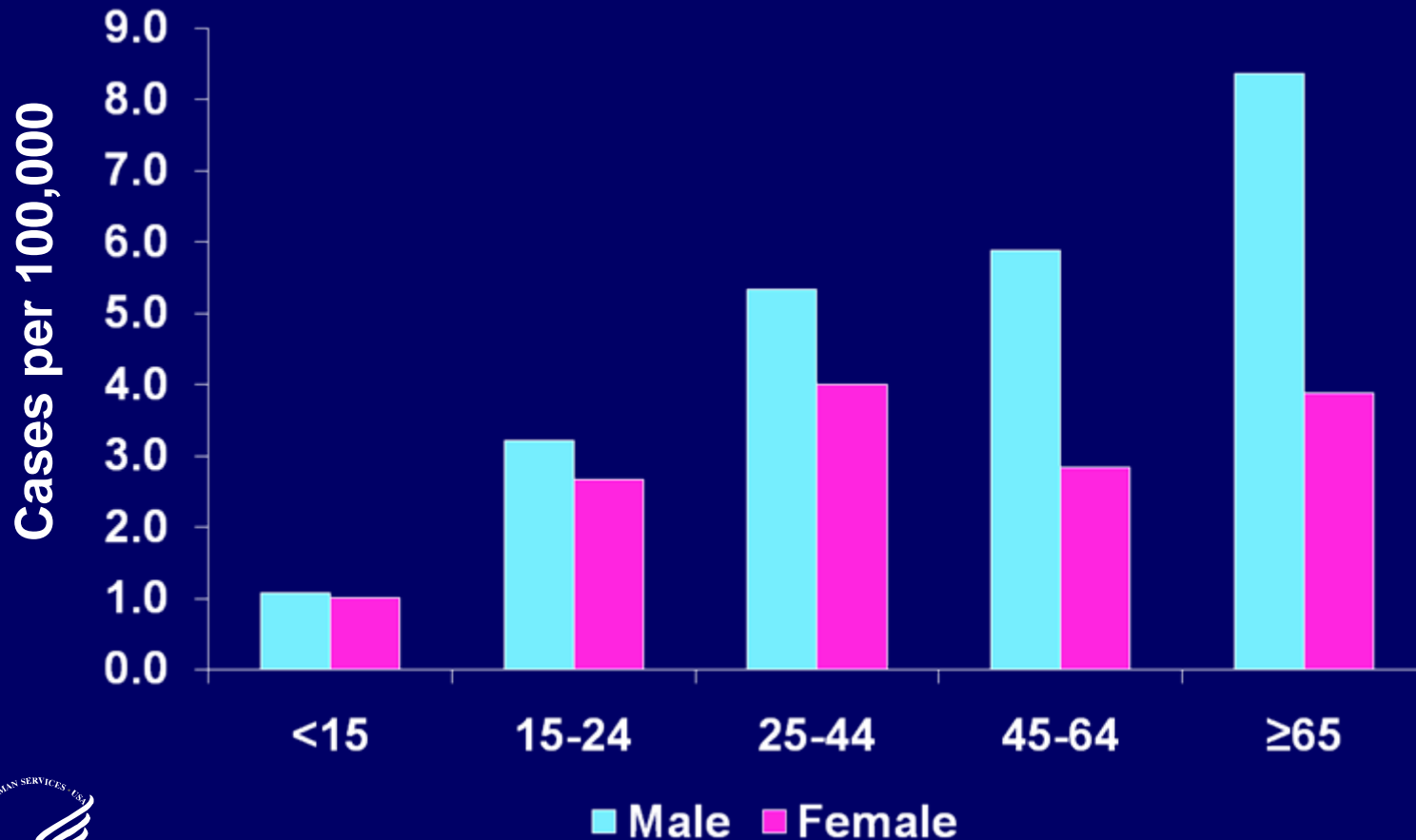
*Updated as of July 1, 2010.



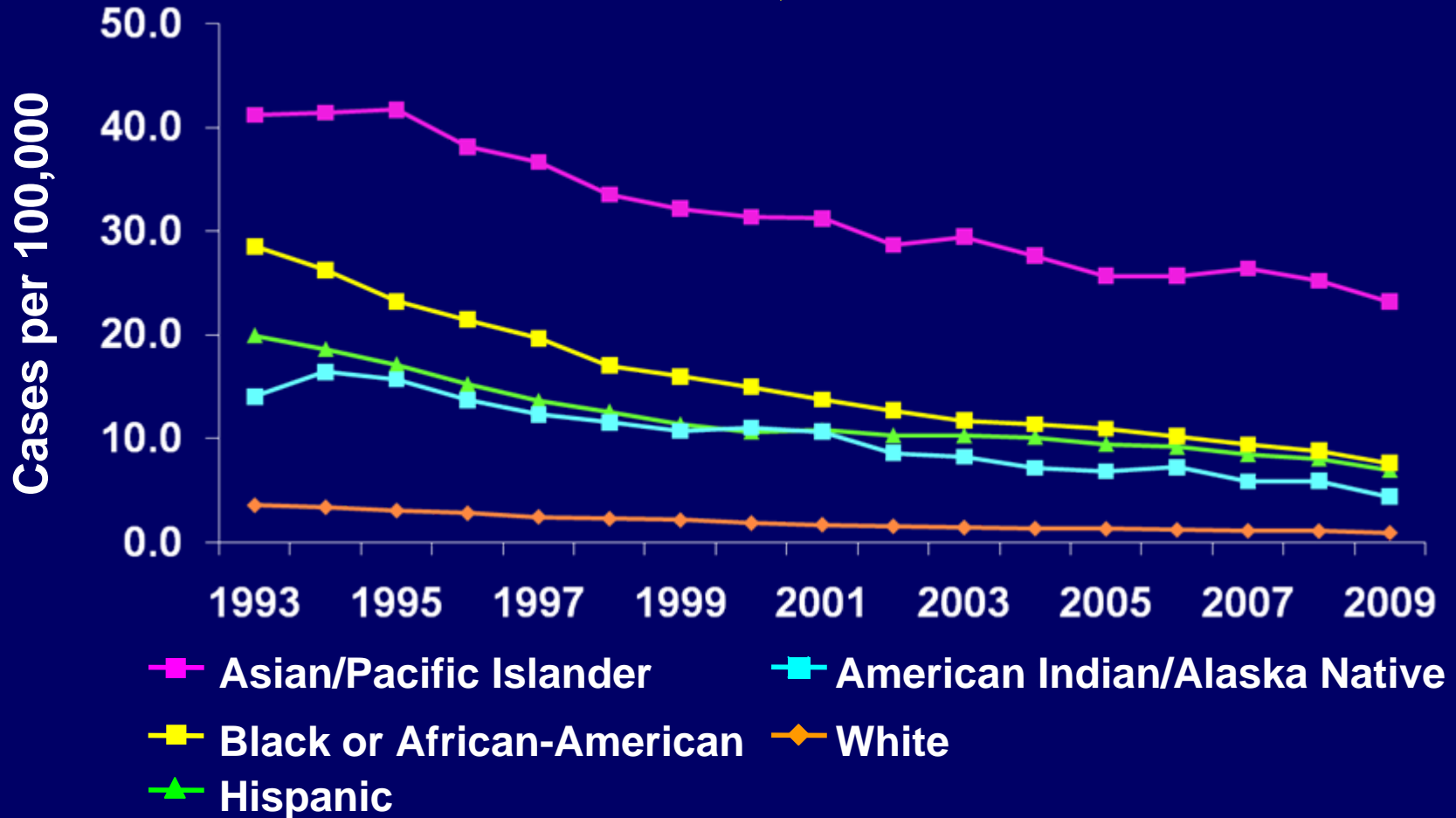
Reported TB Cases by Age Group, United States, 2009



TB Case Rates by Age Group and Sex, United States, 2009



TB Case Rates by Race/Ethnicity* United States, 1993–2009**



—■— Asian/Pacific Islander

—■— American Indian/Alaska Native

—■— Black or African-American

—◆— White

—▲— Hispanic

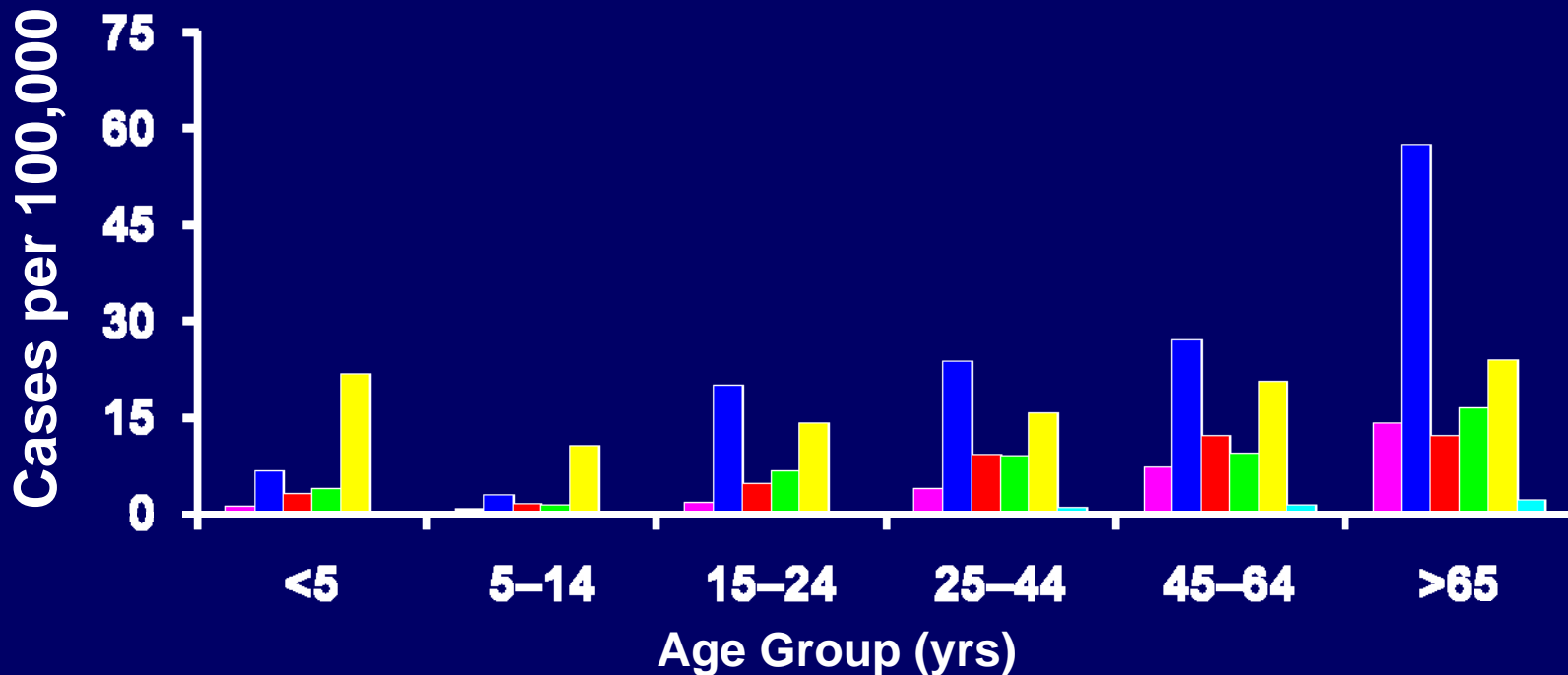


*All races are non-Hispanic. In 2003, Asian/Pacific Islander category includes persons who reported race as Asian only and/or Native Hawaiian or Other Pacific Islander only.

**Updated as of July 1, 2010.



TB Case Rates by Age Group and Race/Ethnicity,* United States, 2009



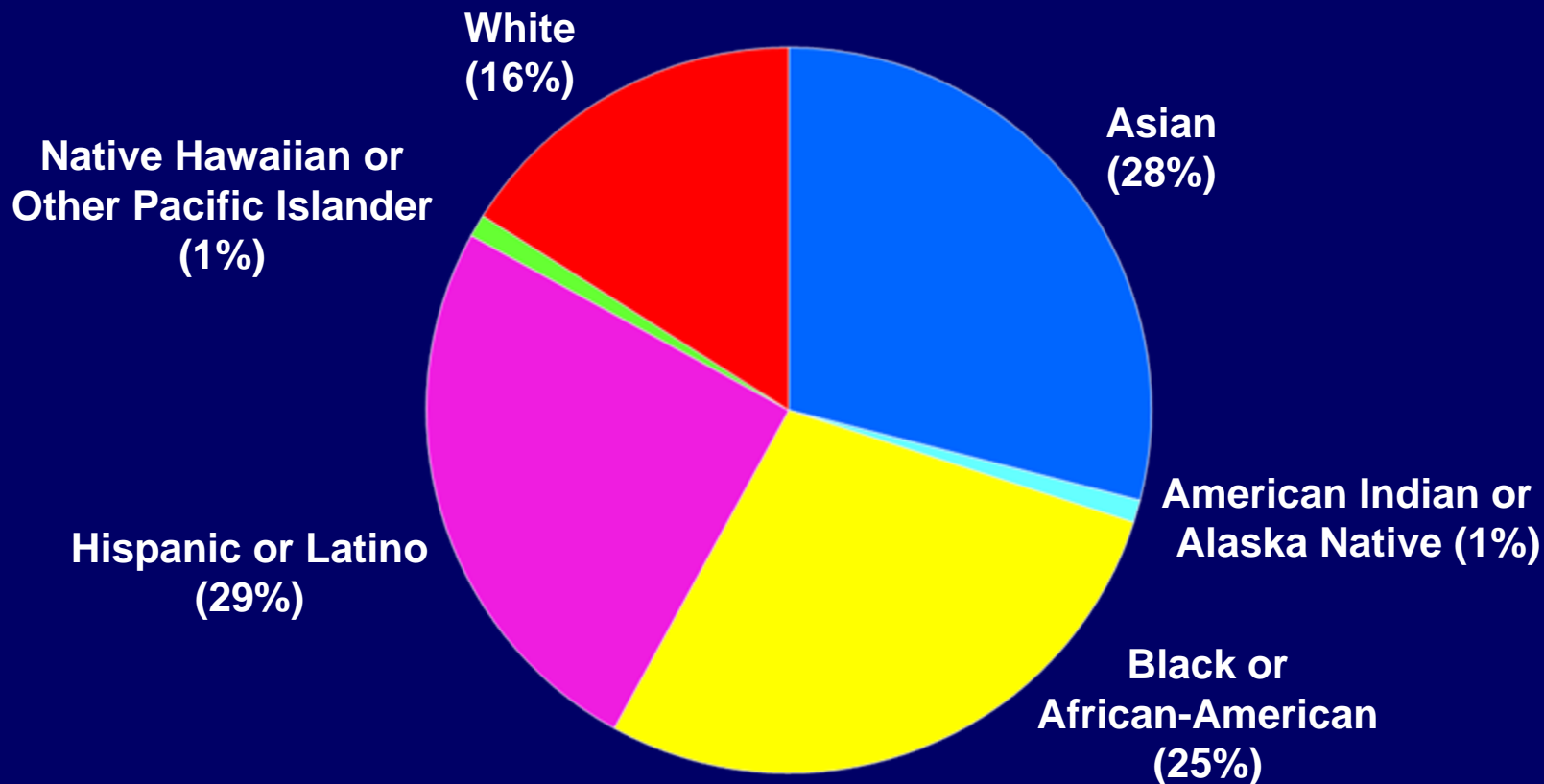
- American Indian/Alaska Native
- Hispanic or Latino
- Asian
- Native Hawaiian/Other Pacific Islander
- Black or African-American
- White



*All races are non-Hispanic. Persons reporting two or more races accounted for less than 1% of all cases.



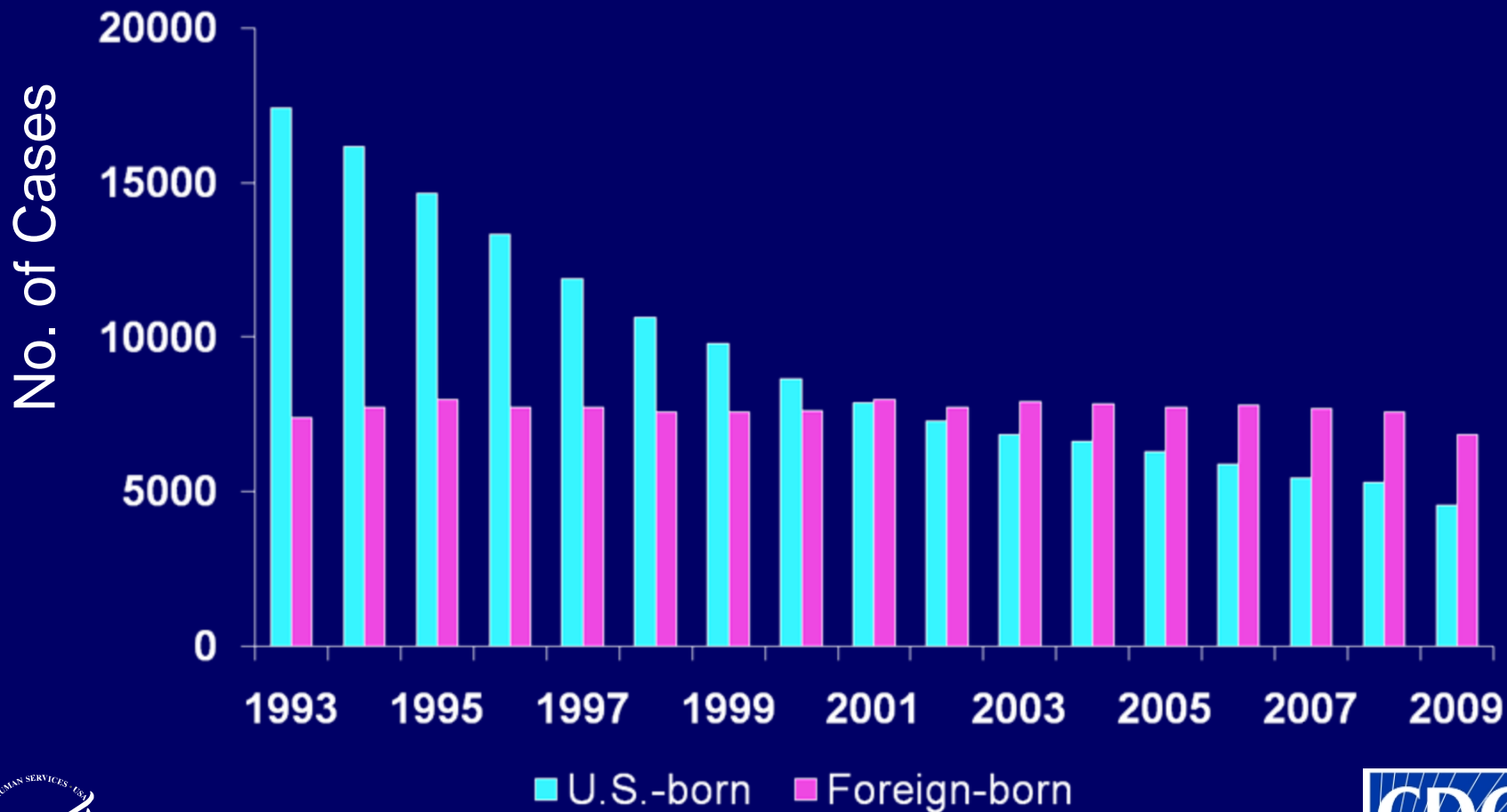
Reported TB Cases by Race/Ethnicity* United States, 2009



* All races are non-Hispanic. Persons reporting two or more races accounted for less than 1% of all cases.



Number of TB Cases in U.S.-born vs. Foreign-born Persons United States, 1993–2009*

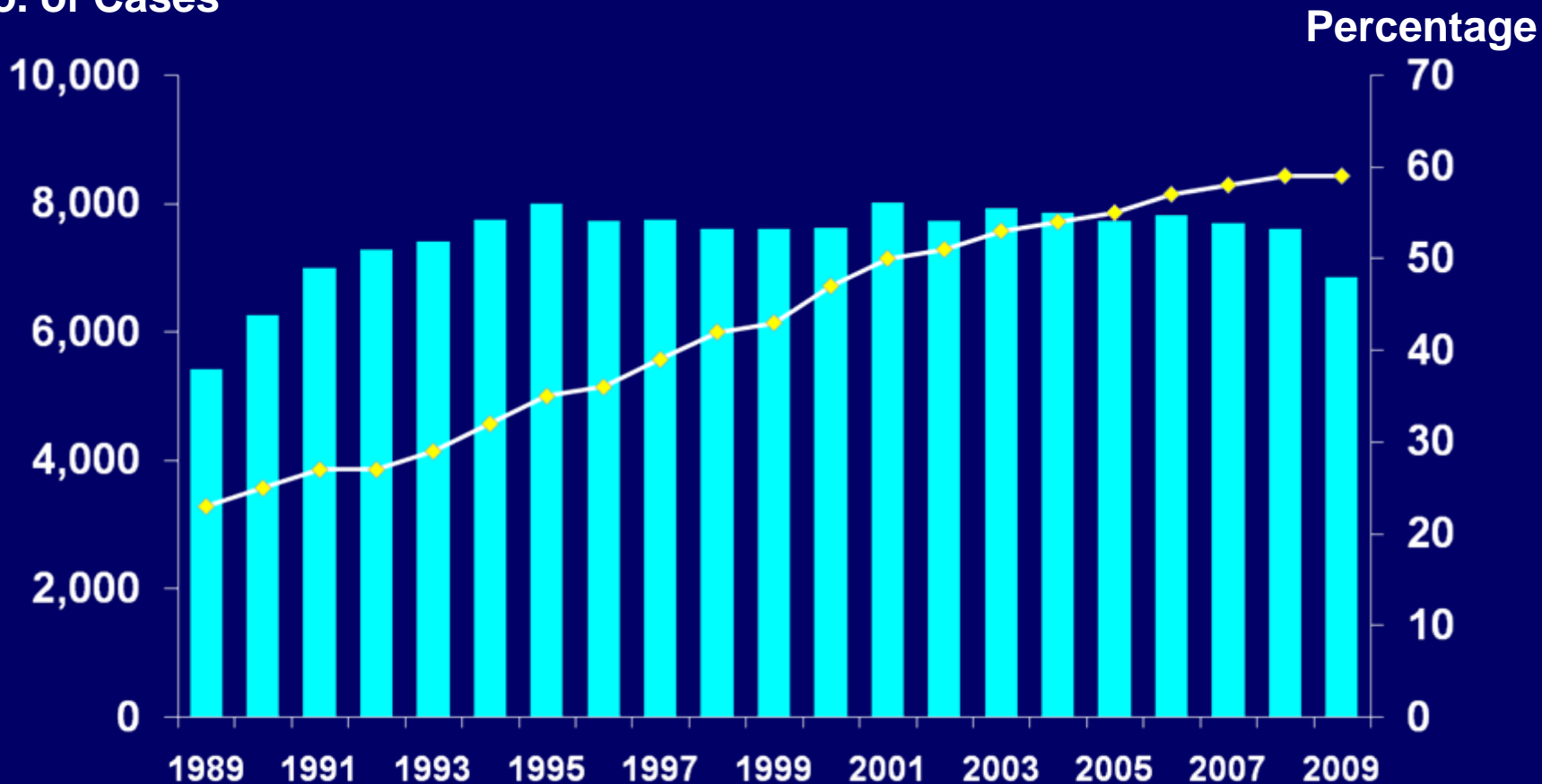


*Updated as of July 1, 2010.



Trends in TB Cases in Foreign-born Persons, United States, 1989–2009*

No. of Cases



■ No. of Cases

◆ Percentage of Total Cases

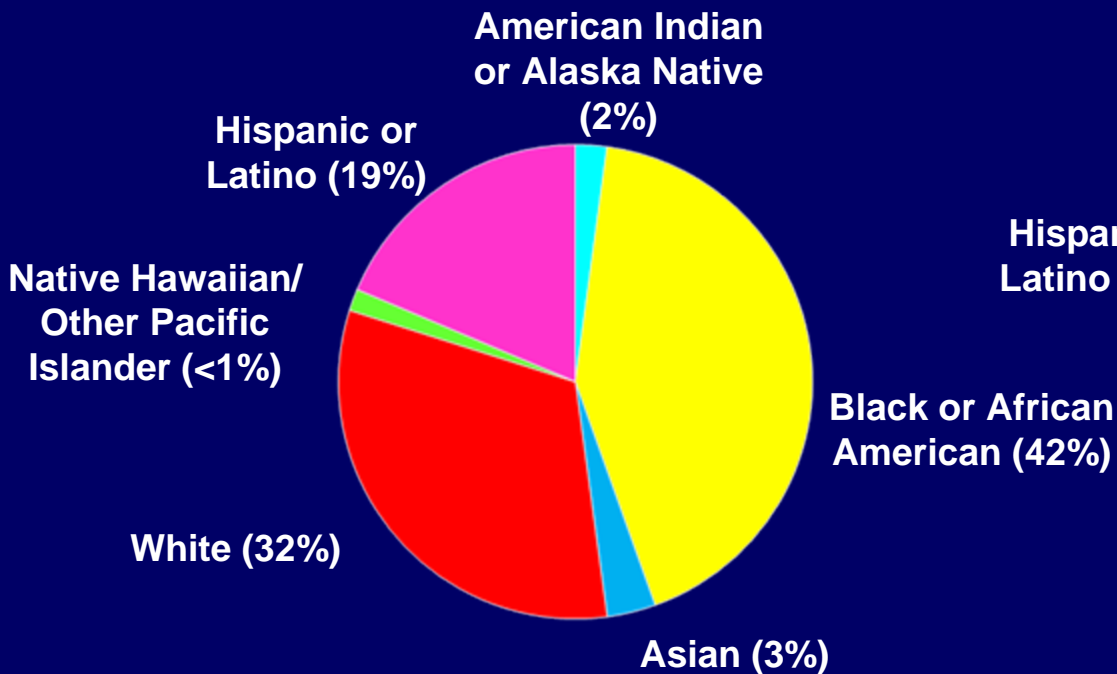


*Updated as of July 1, 2010.

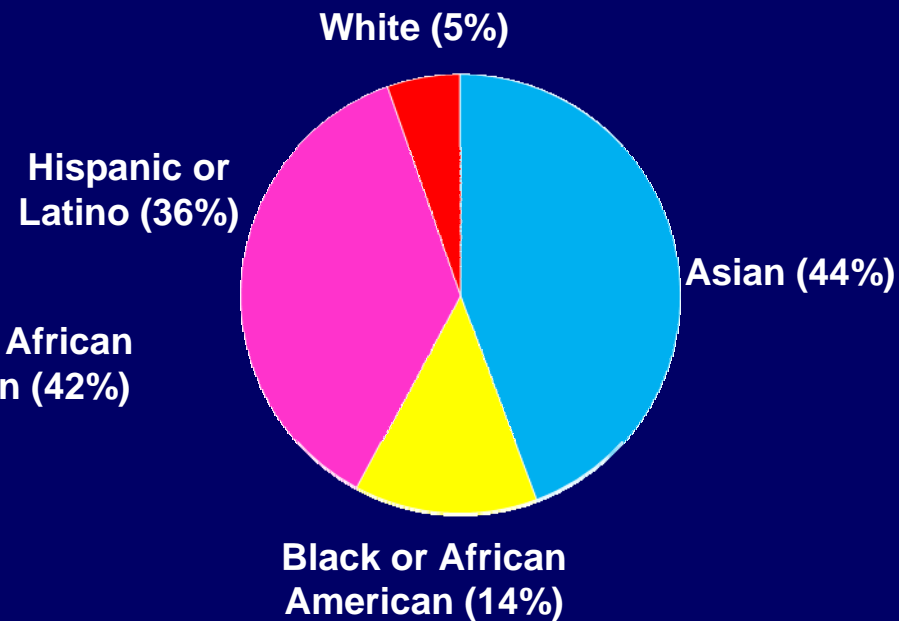


Reported TB Cases by Origin and Race/Ethnicity,* United States, 2009

U.S.-born



Foreign-born**



*All races are non-Hispanic. Persons reporting two or more races accounted for less than 1% of all cases.

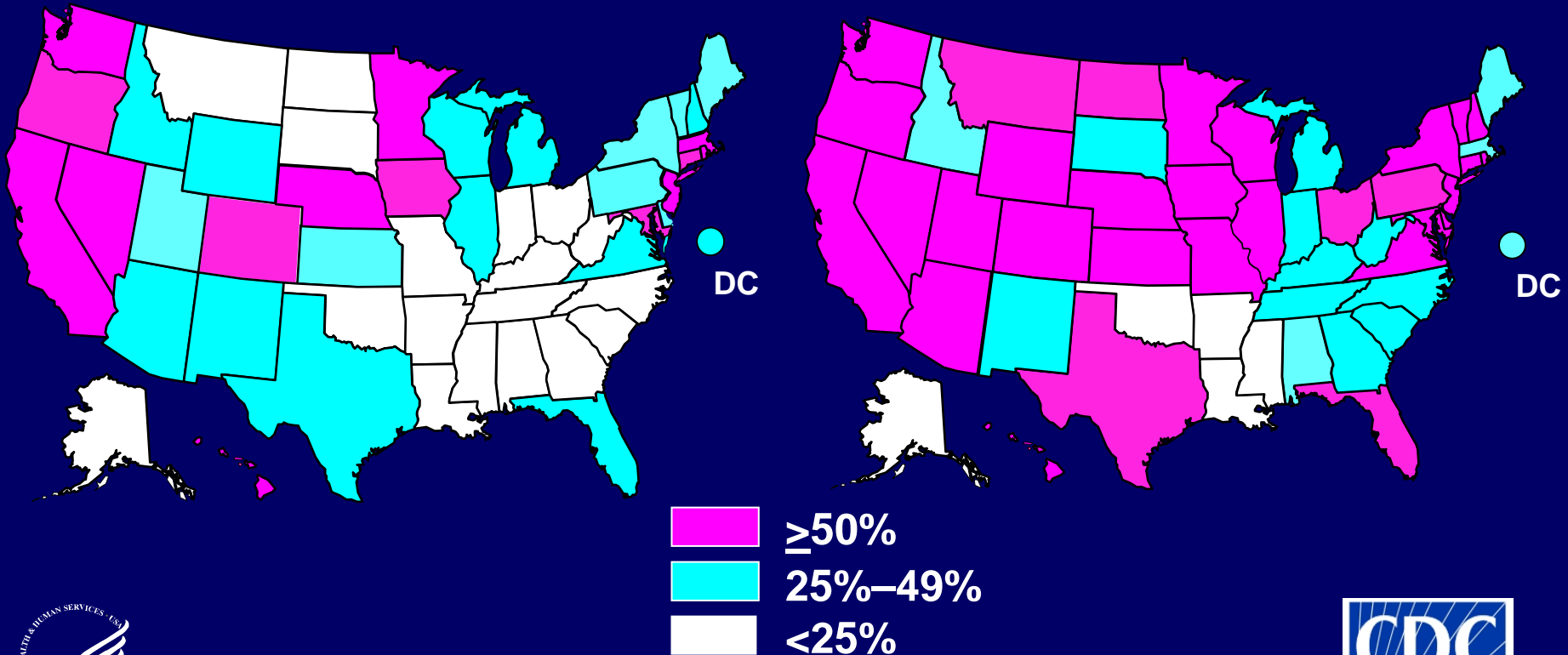
**American Indian or Alaska Native and Native Hawaiian or Other Pacific Islander accounted for less than 1% of foreign-born cases and are not shown.



Percentage of TB Cases Among Foreign-born Persons, United States*

1999

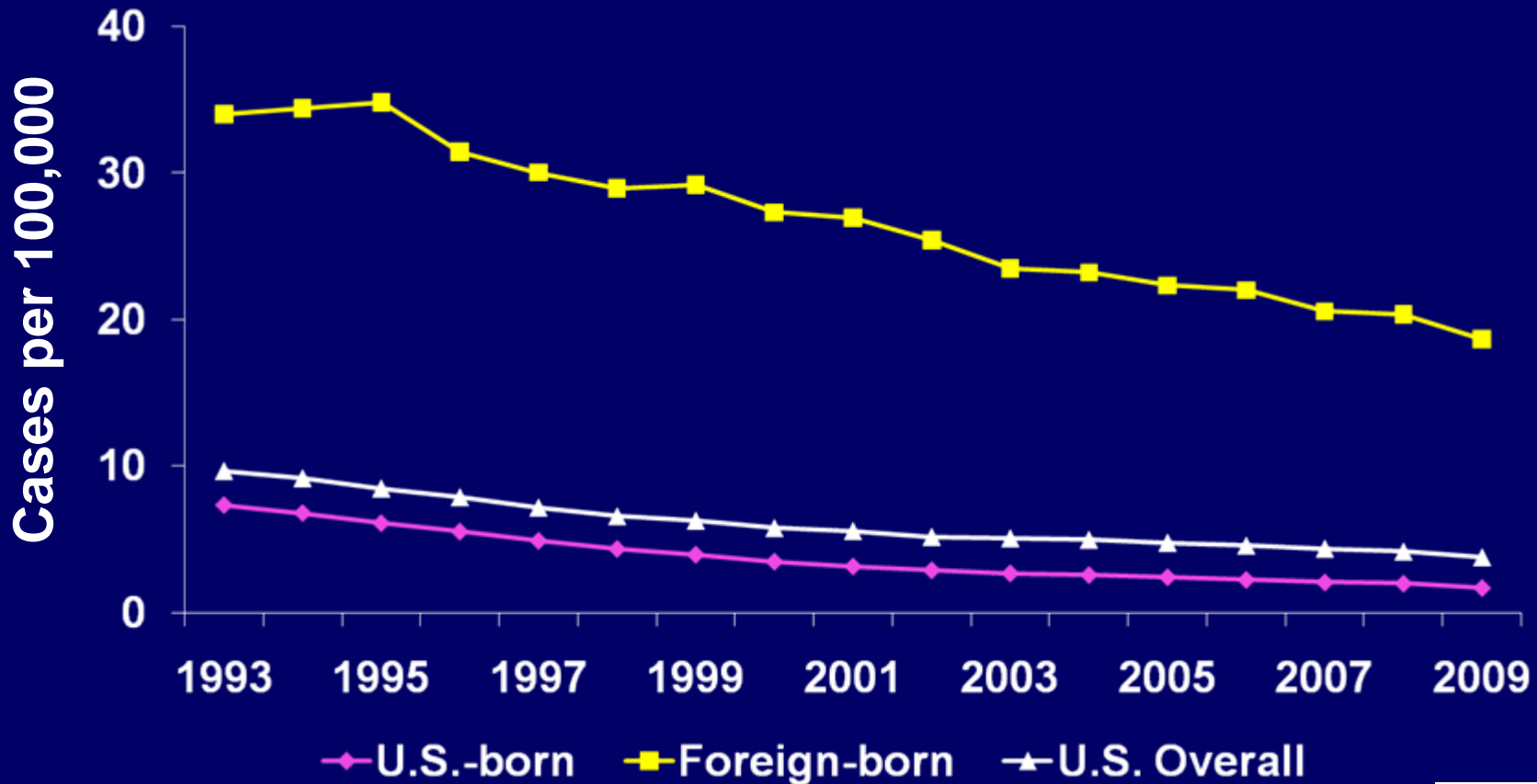
2009



*Updated as of July 1, 2010.



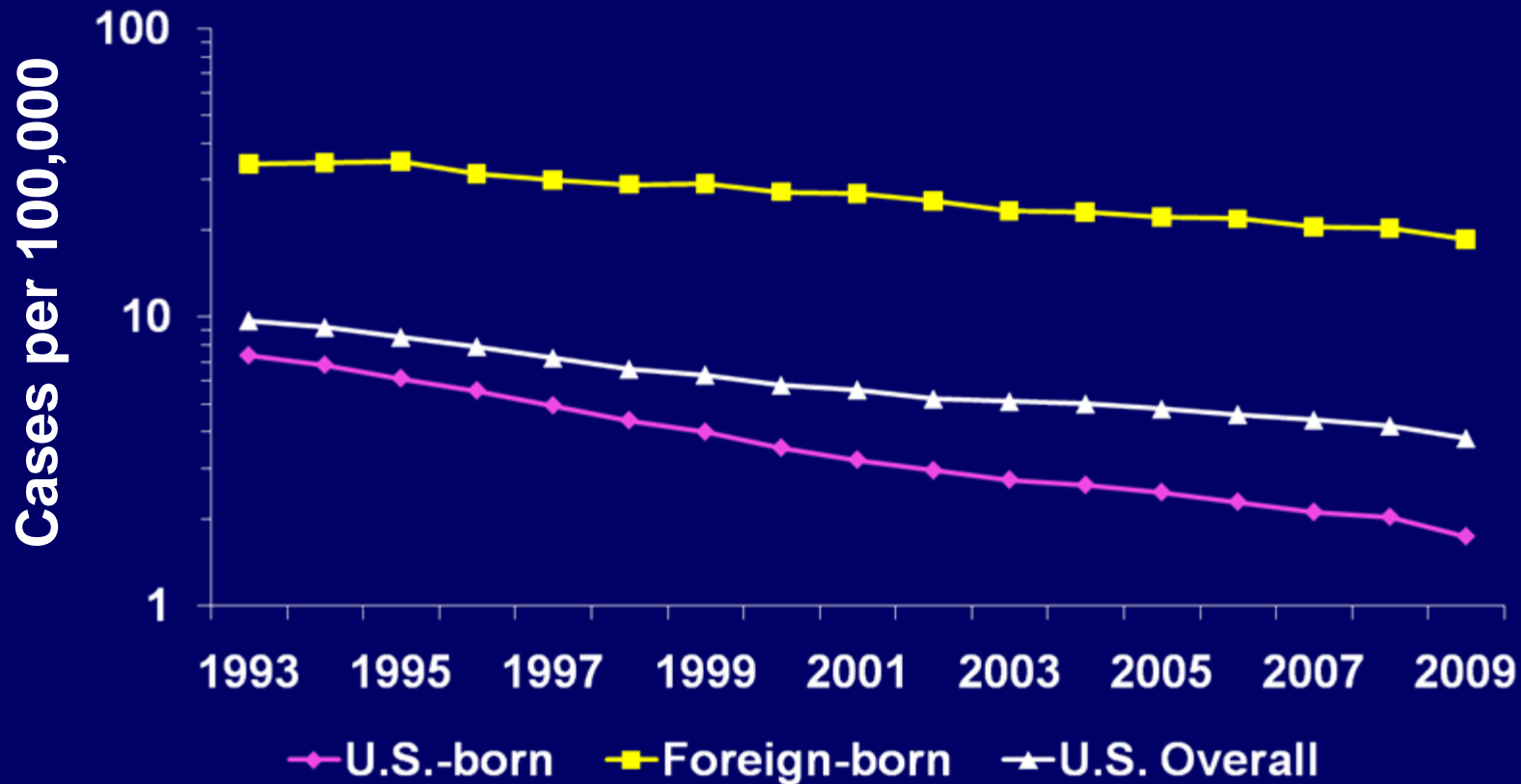
TB Case Rates in U.S.-born vs. Foreign-born Persons United States, 1993–2009*



*Updated as of July 1, 2010.



TB Case Rates in U.S.-born vs. Foreign-born Persons United States,* 1993–2009**

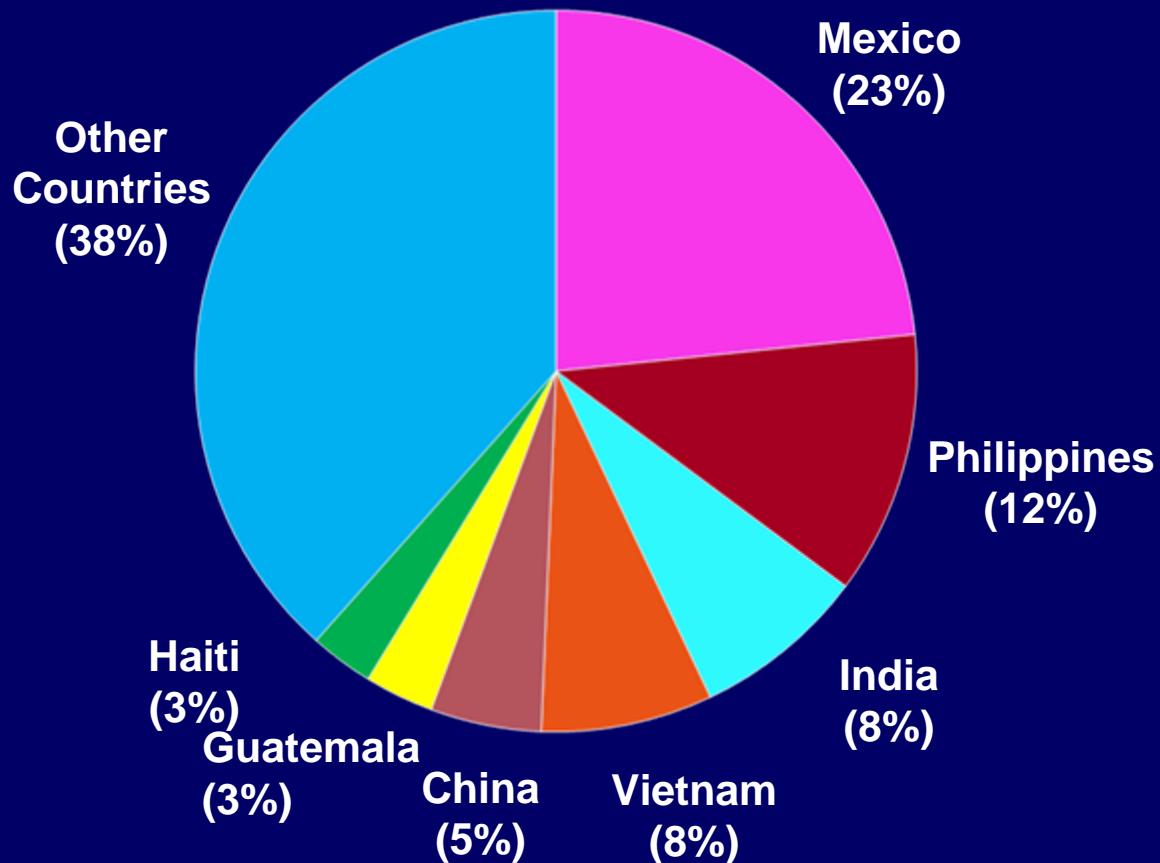


*Includes the same data as slide 15, but rates presented on a logarithmic scale.

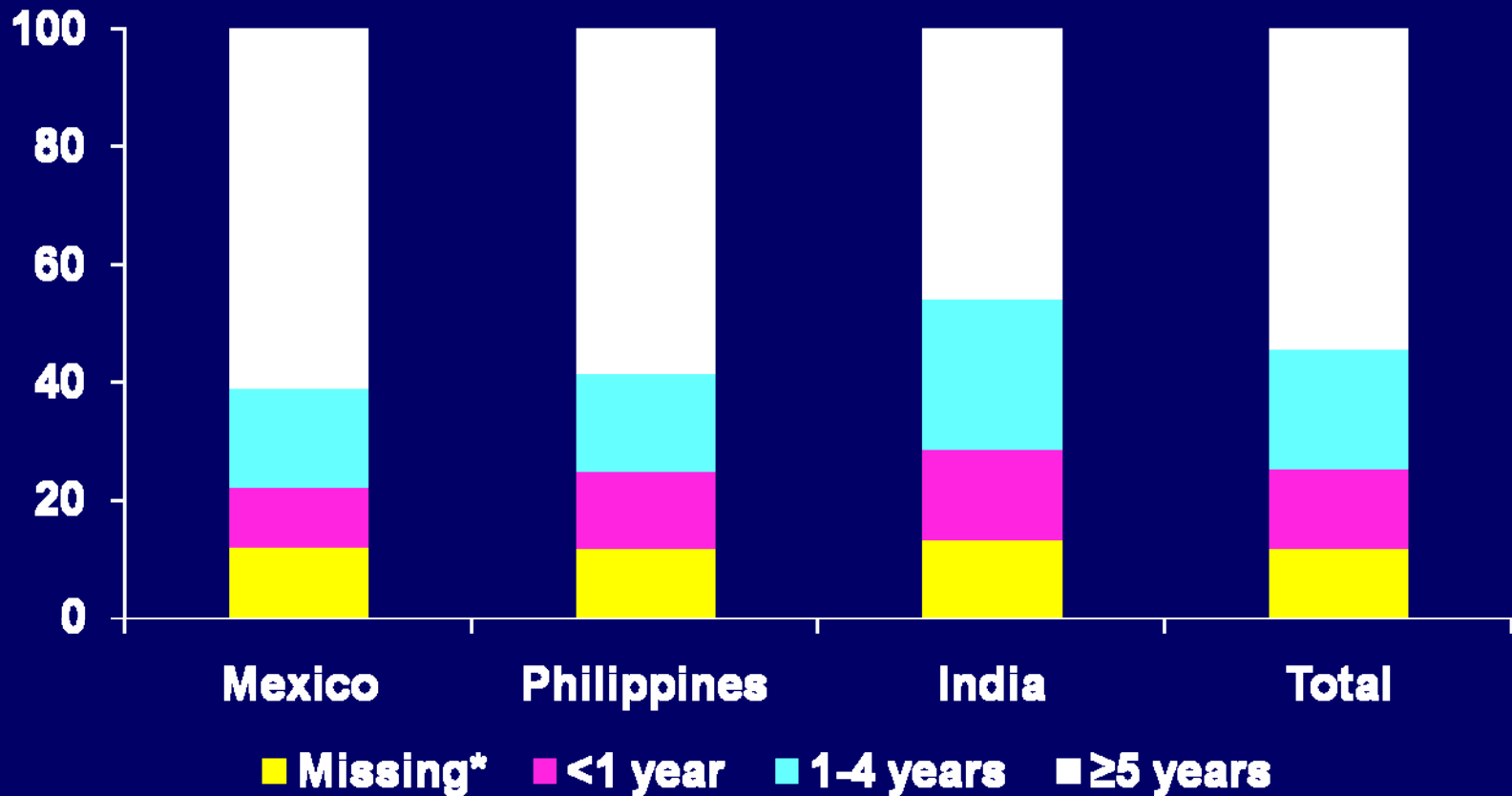
**Updated as of July 1, 2010.



Countries of Birth of Foreign-born Persons Reported with TB United States, 2009



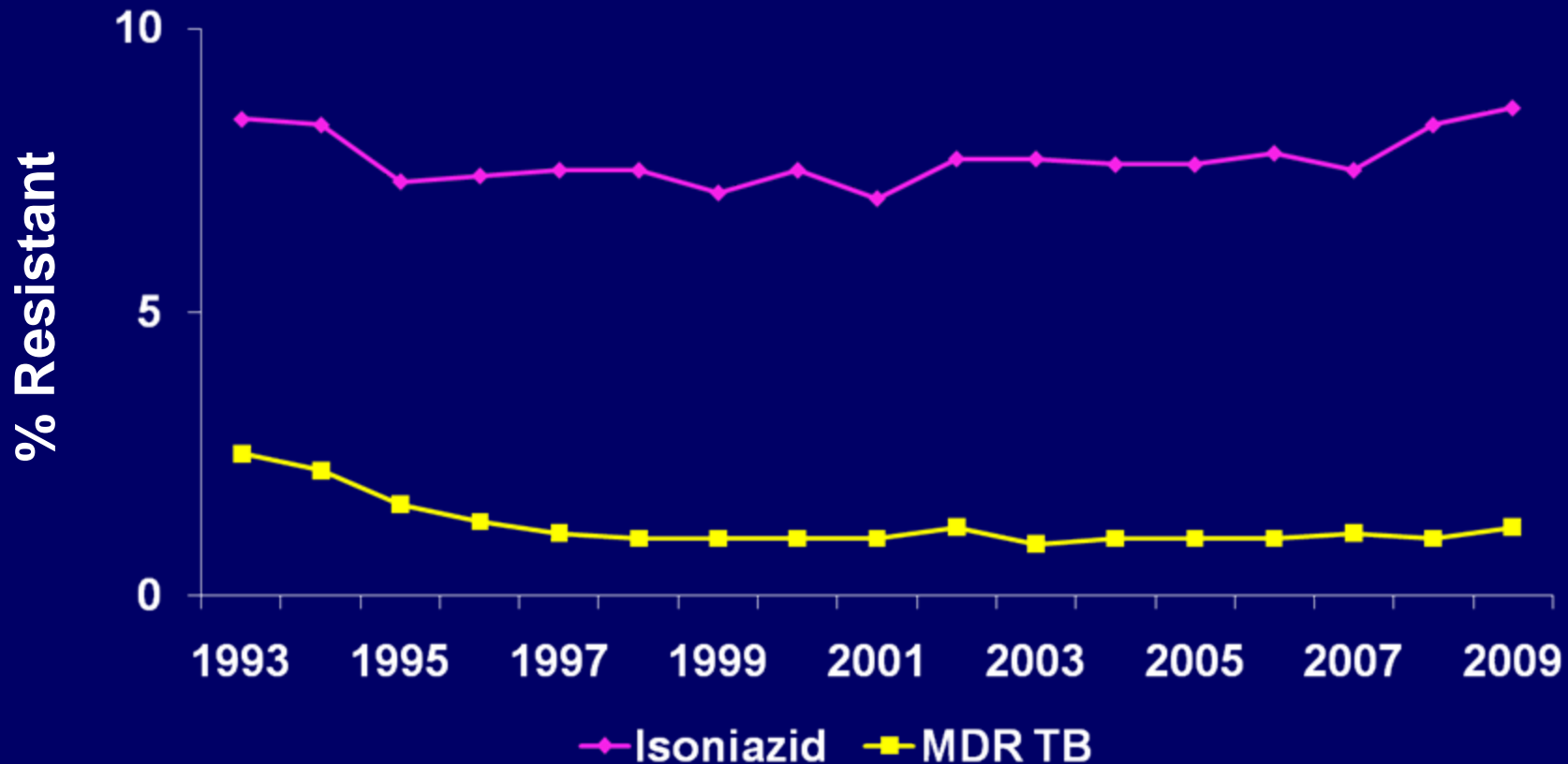
Percent of Foreign-born with TB by Time of Residence in U.S. Prior to Diagnosis, 2009



* Foreign-born TB patients for whom information on length of residence in the U.S. prior to diagnosis is unknown or missing.



Primary Anti-TB Drug Resistance United States, 1993–2009*

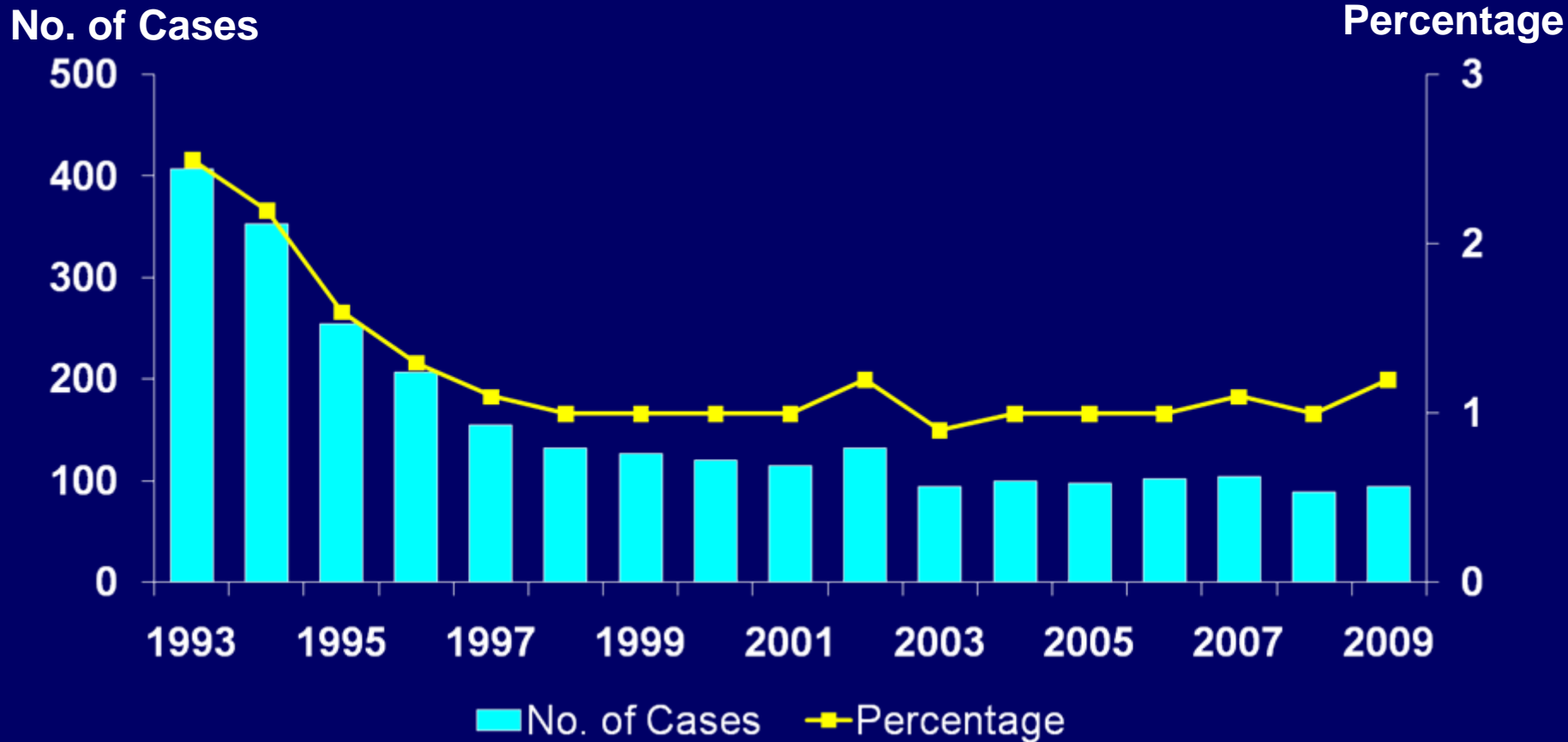


*Updated as of July 1, 2010.

Note: Based on initial isolates from persons with no prior history of TB. Multidrug resistant TB (MDR TB) is defined as resistance to at least isoniazid and rifampin.



Primary MDR TB United States, 1993–2009*

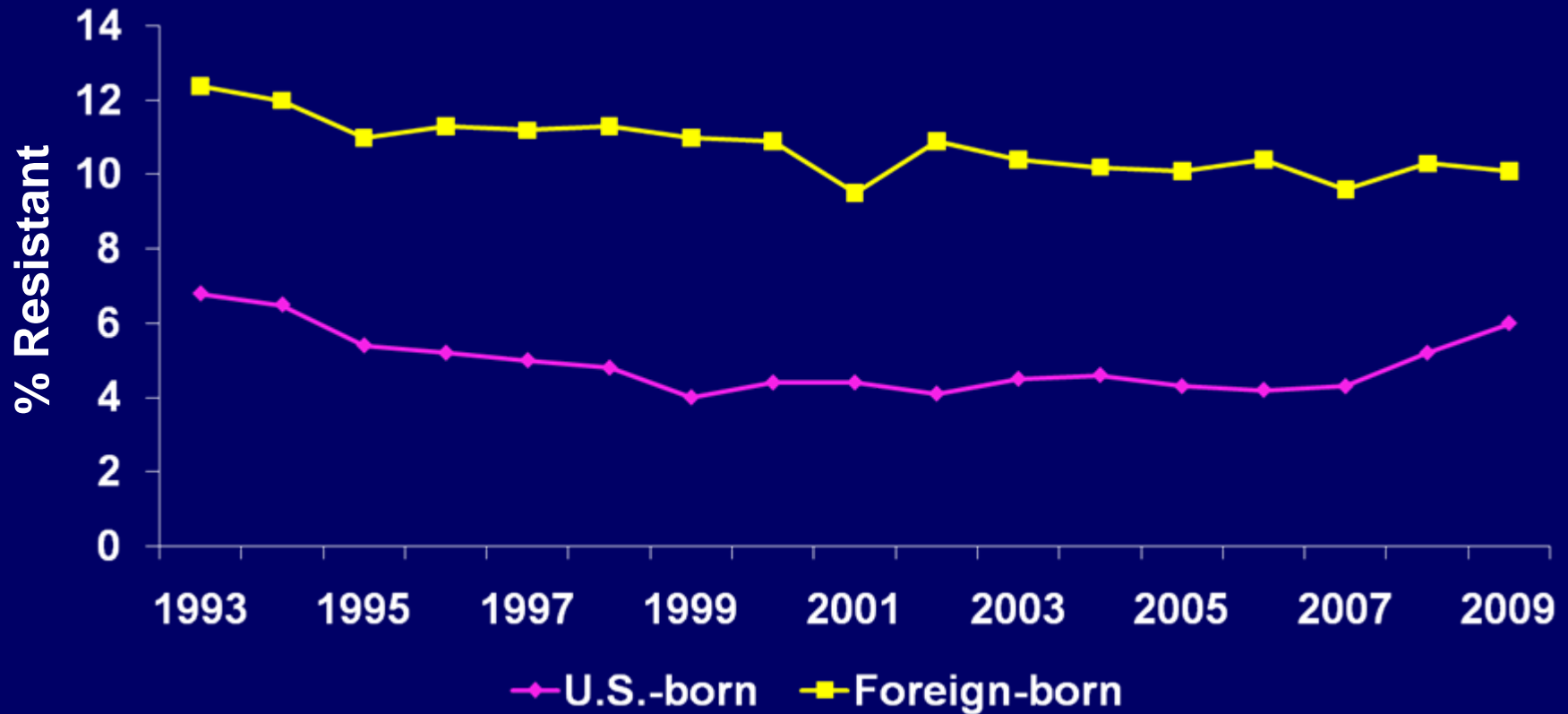


*Updated as of July 1, 2010.

Note: Based on initial isolates from persons with no prior history of TB. MDR TB defined as resistance to at least isoniazid and rifampin.



Primary Isoniazid Resistance in U.S.-born vs. Foreign-born Persons United States, 1993–2009*

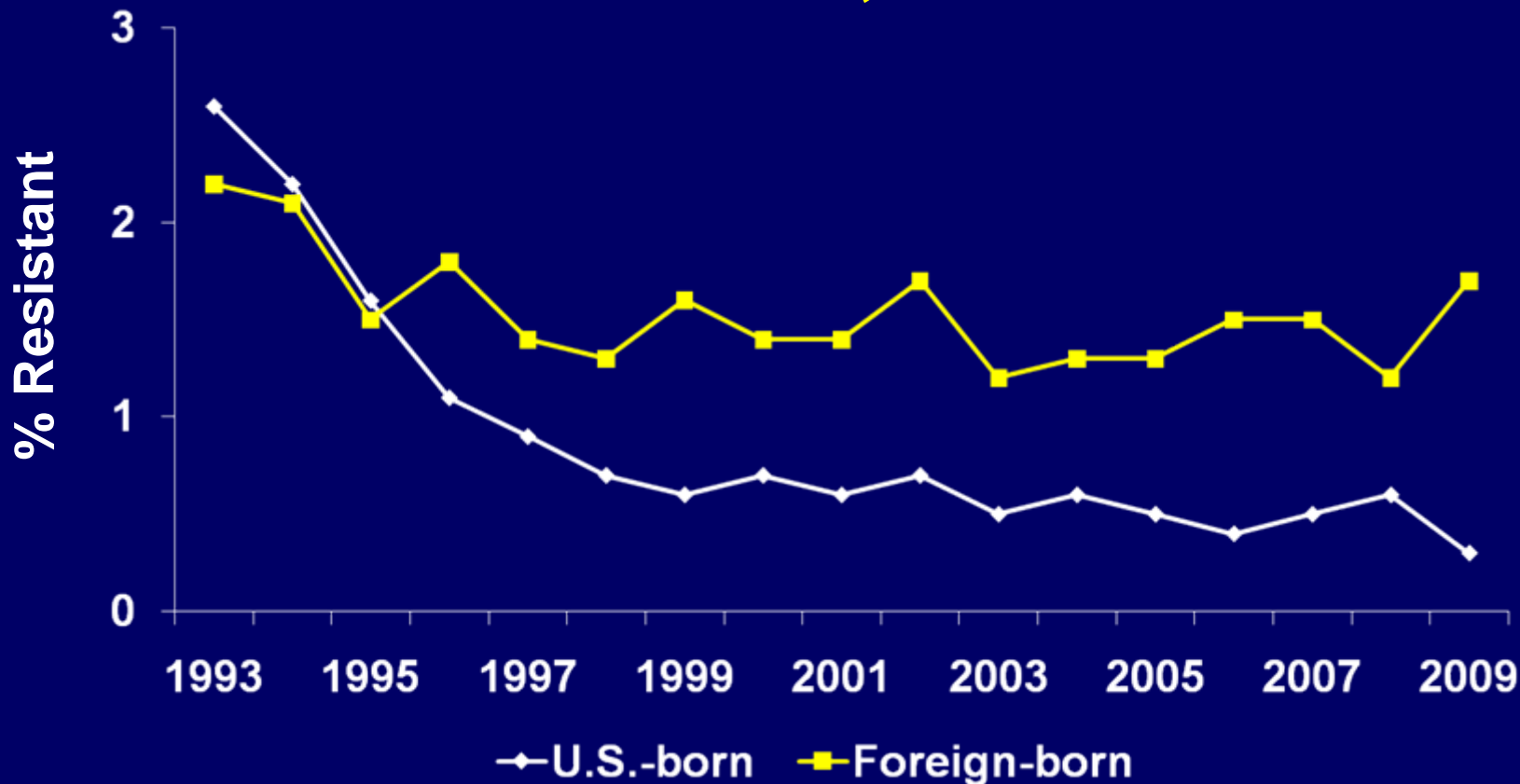


*Updated as of July 1, 2010.

Note: Based on initial isolates from persons with no prior history of TB.



Primary MDR TB in U.S.-born vs. Foreign-born Persons, United States, 1993–2009*

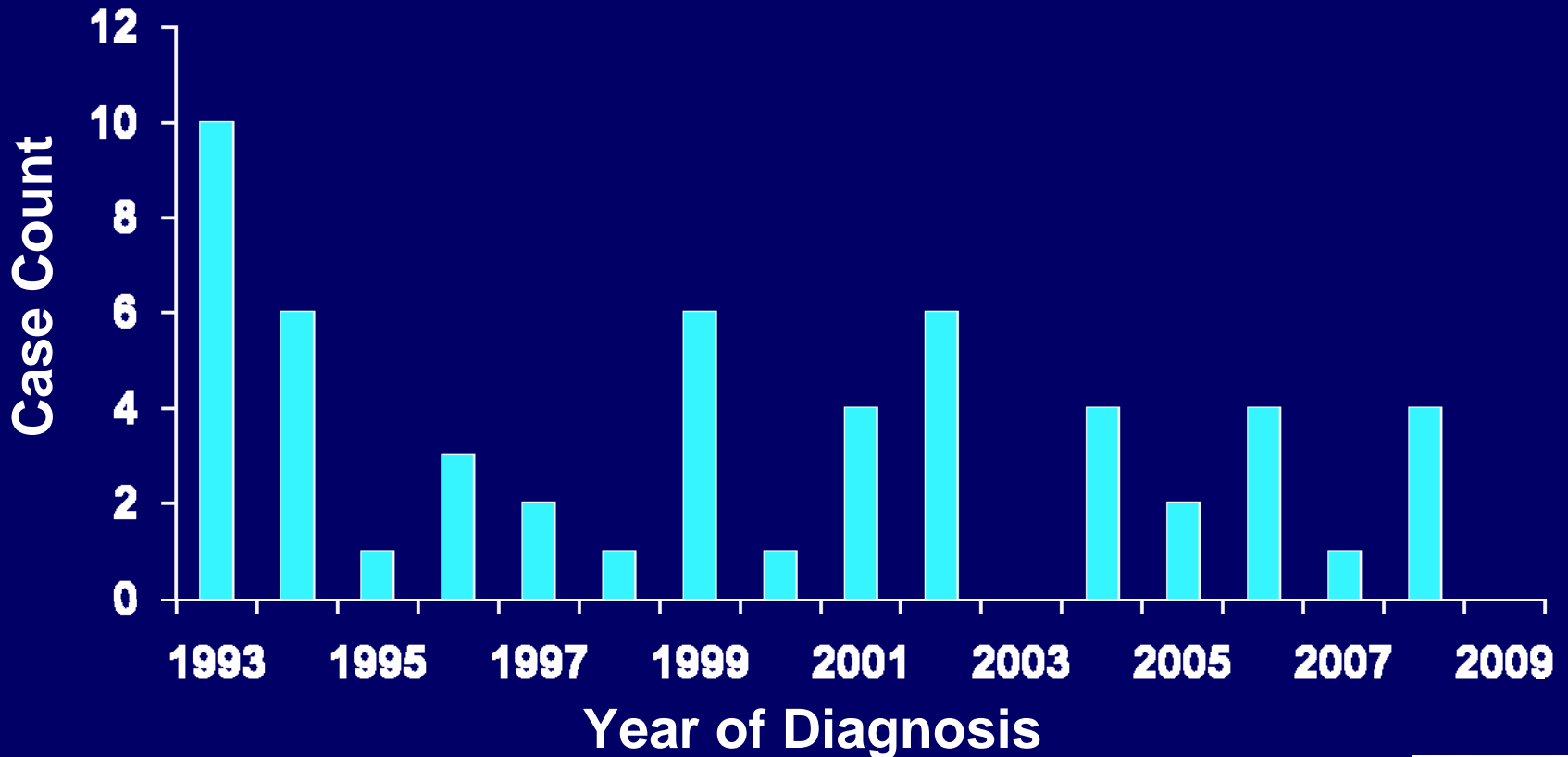


*Updated as of July 1, 2010.

Note: Based on initial isolates from persons with no prior history of TB. MDR TB defined as resistance to at least isoniazid and rifampin.



XDR TB Case Count defined on Initial DST[†] by Year, 1993–2009*



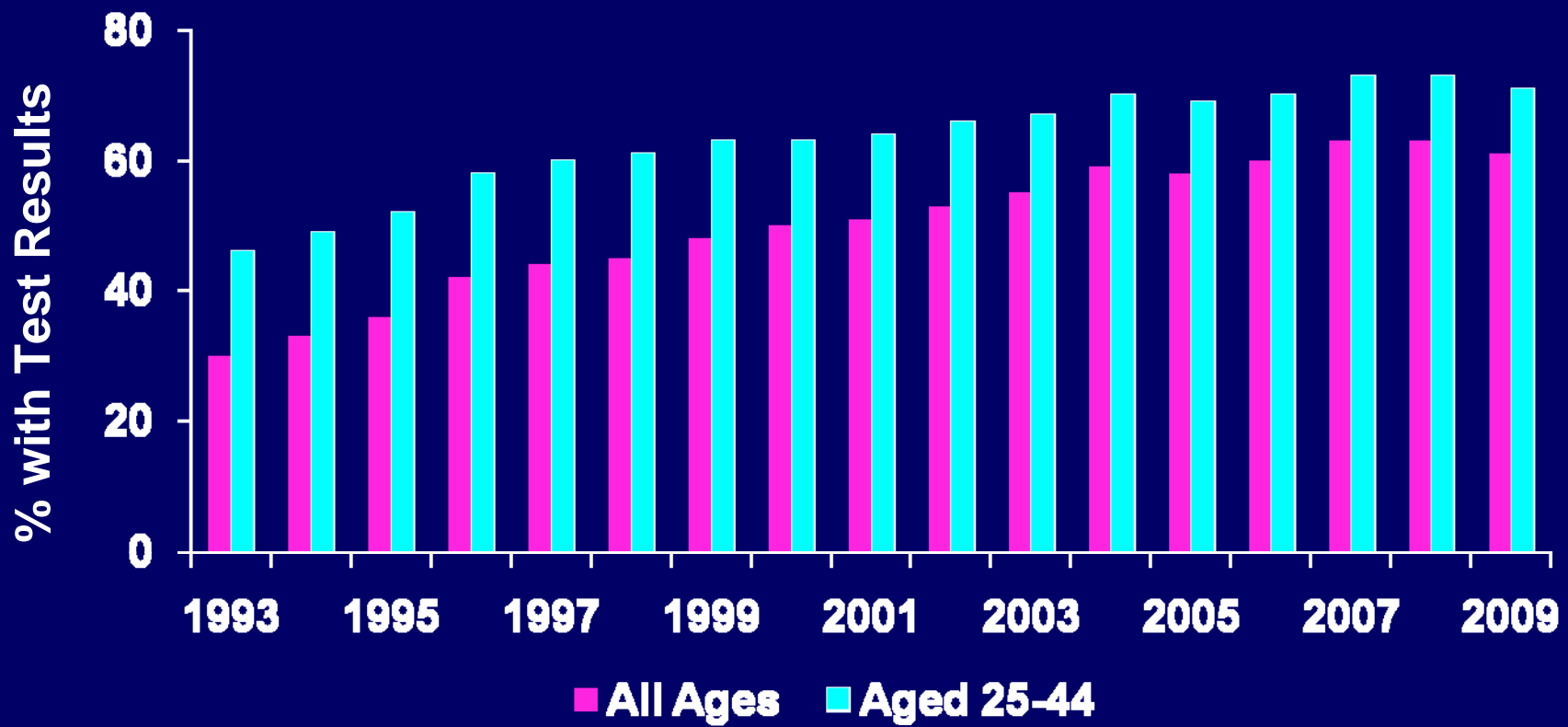
[†]Drug susceptibility test.

*Reported incident cases as of July 1, 2010.

Extensively drug-resistant TB (XDR TB) is defined as resistance to isoniazid and rifampin, plus resistance to any fluoroquinolone and at least one of three injectable second-line anti-TB drugs.



Reporting of HIV Test Results in Persons with TB by Age Group United States, 1993–2009*

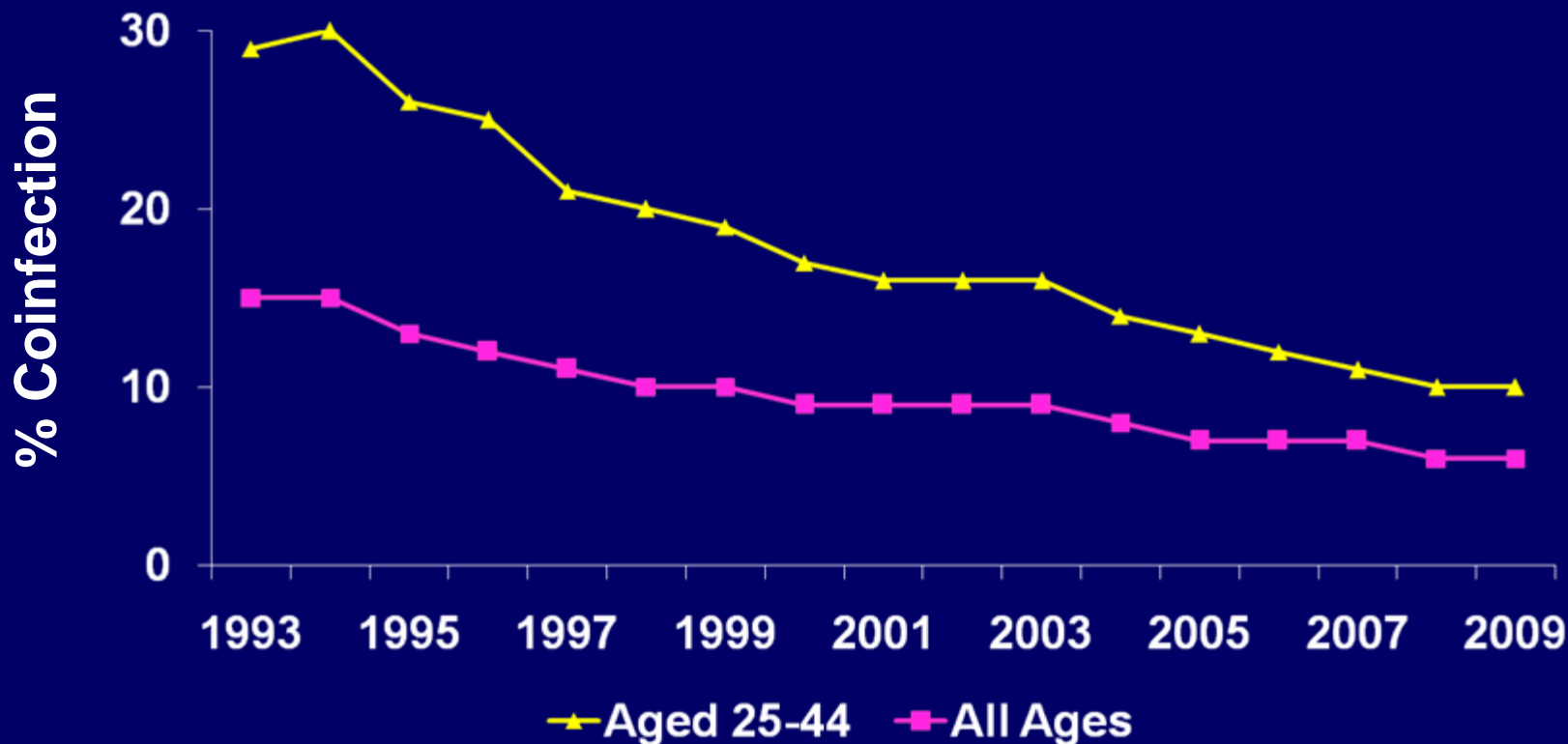


*Updated as of July 1, 2010.

Note: Includes TB patients with positive, negative, or indeterminate HIV test results. Persons from California reported with AIDS only through 2004. (HIV test results are not reported from California)



Estimated HIV Coinfection in Persons Reported with TB, United States, 1993–2009*

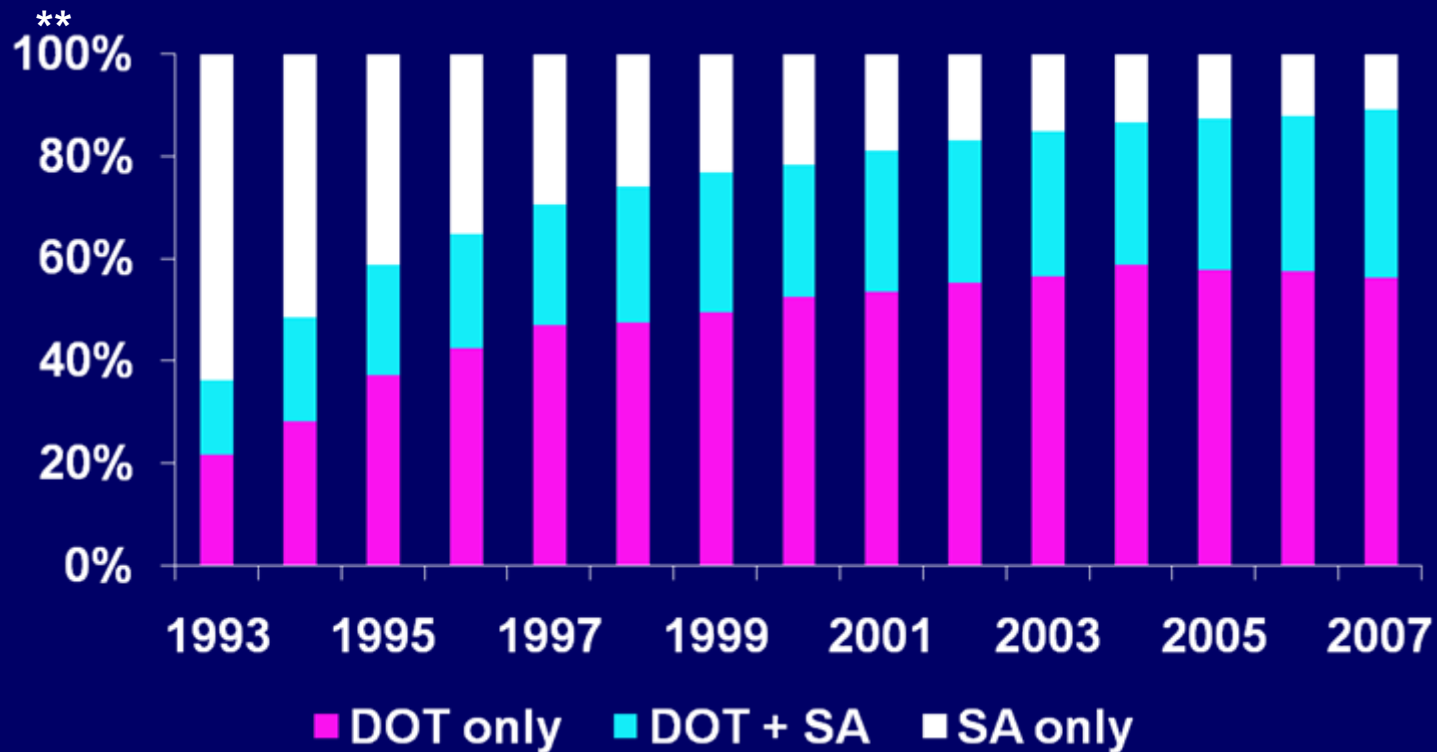


*Updated as of July 1, 2010.

Note: Minimum estimates based on reported HIV-positive status among all TB cases in the age group.



Mode of Treatment Administration in Persons Reported with TB United States, 1993–2007*



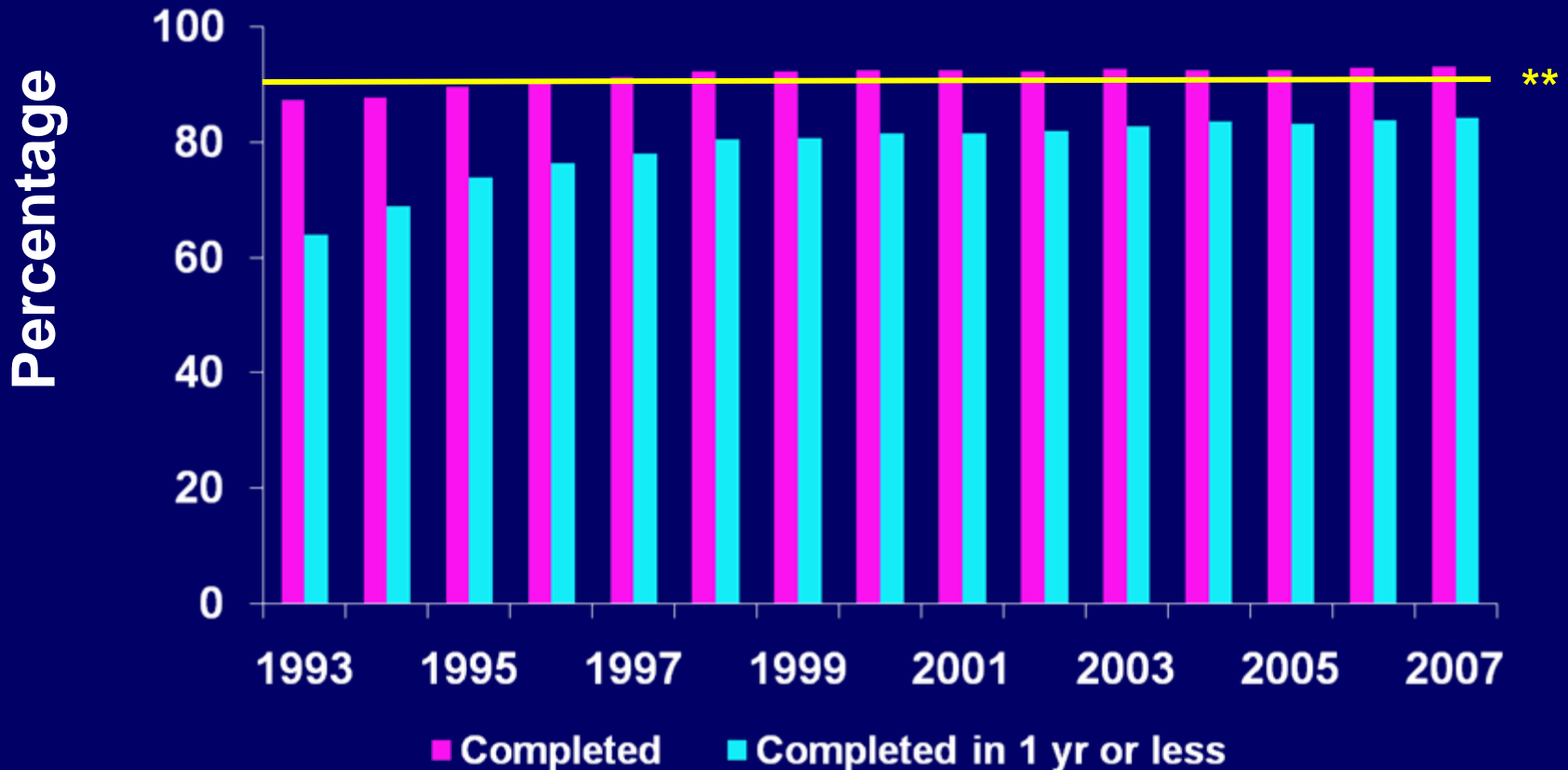
*Updated as of July 1, 2010.

**Percentage of total cases in persons alive at diagnosis, with an initial regimen of one or more drugs prescribed, and excluding cases with missing or unknown mode of treatment administration.



Directly observed therapy (DOT); Self-administered therapy (SA)

Completion of TB Therapy United States, 1993–2007*



*Updated as of July 1, 2010.

**Healthy People 2010 target: 90% completed in 1 yr or less.

Note: Excludes persons with initial isolate rifampin resistant, or patient with meningeal disease, or pediatric patient (aged <15) with miliary disease or positive blood culture.

