

Tracking Chronic Disease in Connecticut

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Advisory Group
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Overview

- ❖ Data Sources
- ❖ Definitional Issues
- ❖ Population Demographics
- ❖ Leading Causes of Death
- ❖ Chronic Disease Hospitalizations
- ❖ Behavioral Risk Factors

Data Sources

- ❖ **U.S. Census**
- ❖ **U.S. Census American Community Survey**
- ❖ **CT Annual Population Estimates**
- ❖ **CT Behavioral Risk Factor Surveillance System**
- ❖ **CT School Health Survey**
- ❖ **CT Death Registry**
- ❖ **CT ED Data**
- ❖ **CT Hospital Discharge Abstract & Billing Database**
- ❖ **CT Tumor Registry**
- ❖ **Other Sources**

Definitional Issues

- ❖ Chronic disease
- ❖ Unmet needs
- ❖ Persons at risk and vulnerable populations

CDC Indicators for Chronic Disease

- ❖ Cardiovascular disease
- ❖ Cancer
- ❖ Diabetes
- ❖ Asthma
- ❖ Physical activity & nutrition
- ❖ Tobacco & alcohol use
- ❖ Overarching life conditions
- ❖ Other diseases, risk factors

Unmet Health Care Needs

- ❖ Critical indicator of access problems.
- ❖ Measured in a variety of settings and ways.
- ❖ Deliberately limited in focus.

Defining Vulnerable Populations

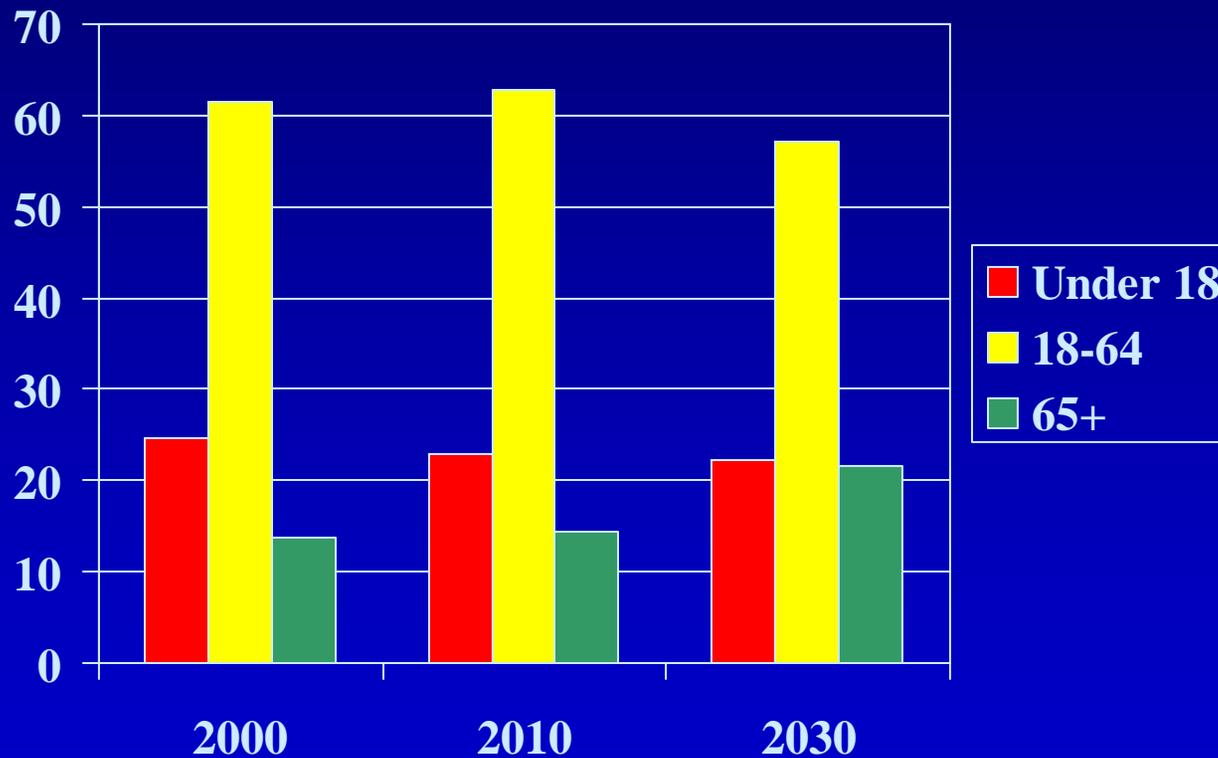
One Example

- ❖ **Health Disparities** refer to differencesthat exist among specific population groups in CT.
- ❖may be based on **race, ethnicity, age, gender, socioeconomic position, immigrant status, sexual minority status, language, disability, homelessness, and geographic area of residence.**

Source: CT Department of Public Health, The CT Health Disparities Project, 2007.

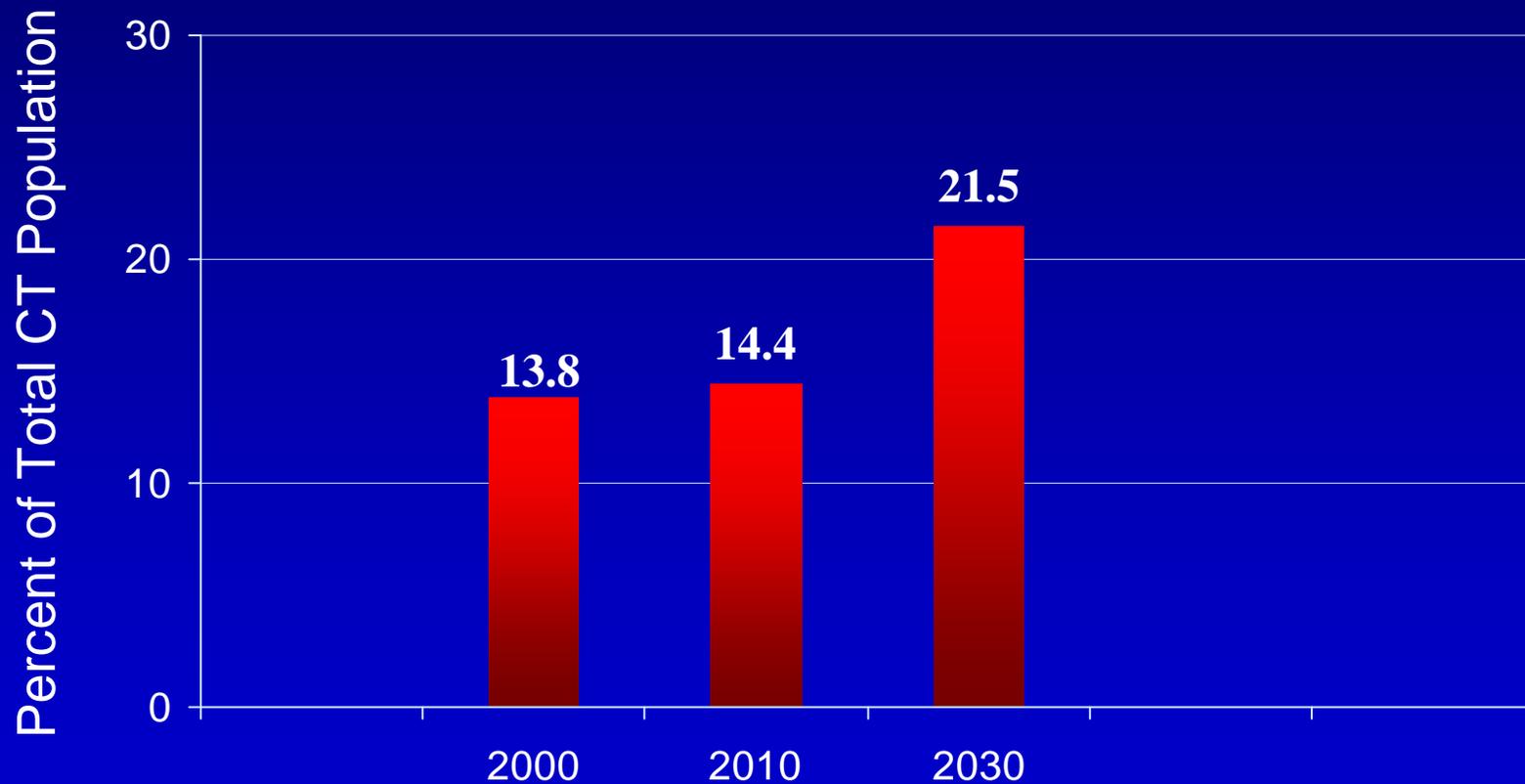
Connecticut Demographics

CT Population by Age Group 2000, 2010, 2030



Source: U.S. Bureau of the Census, Interim State Population Projections, 2005.

Growth in CT Residents Aged 65 and over 2000 - 2030



Source: US. Bureau of the Census, Interim State Population Projections, 2005.

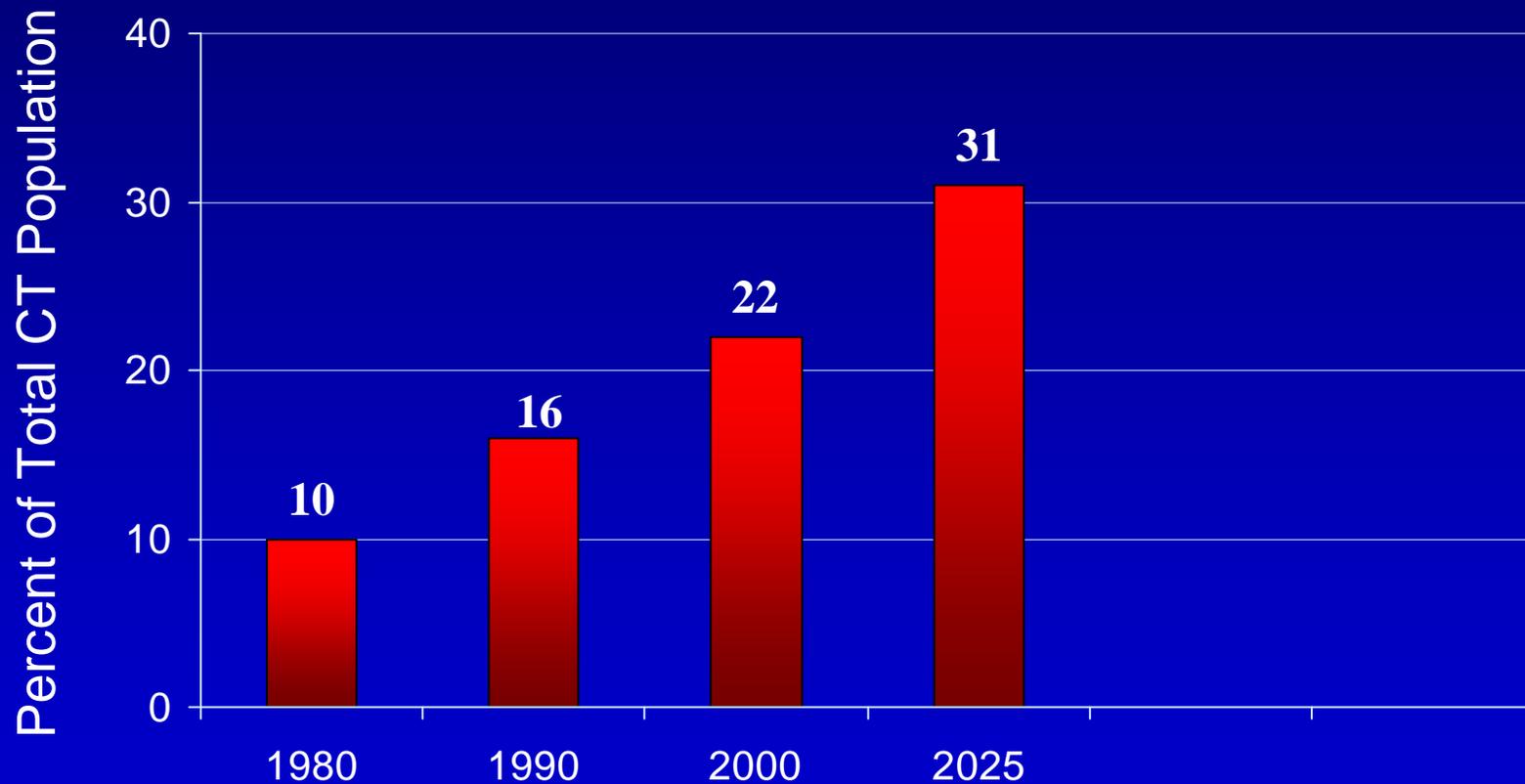
Population Change 2000 - 2030

Connecticut Age Subgroups



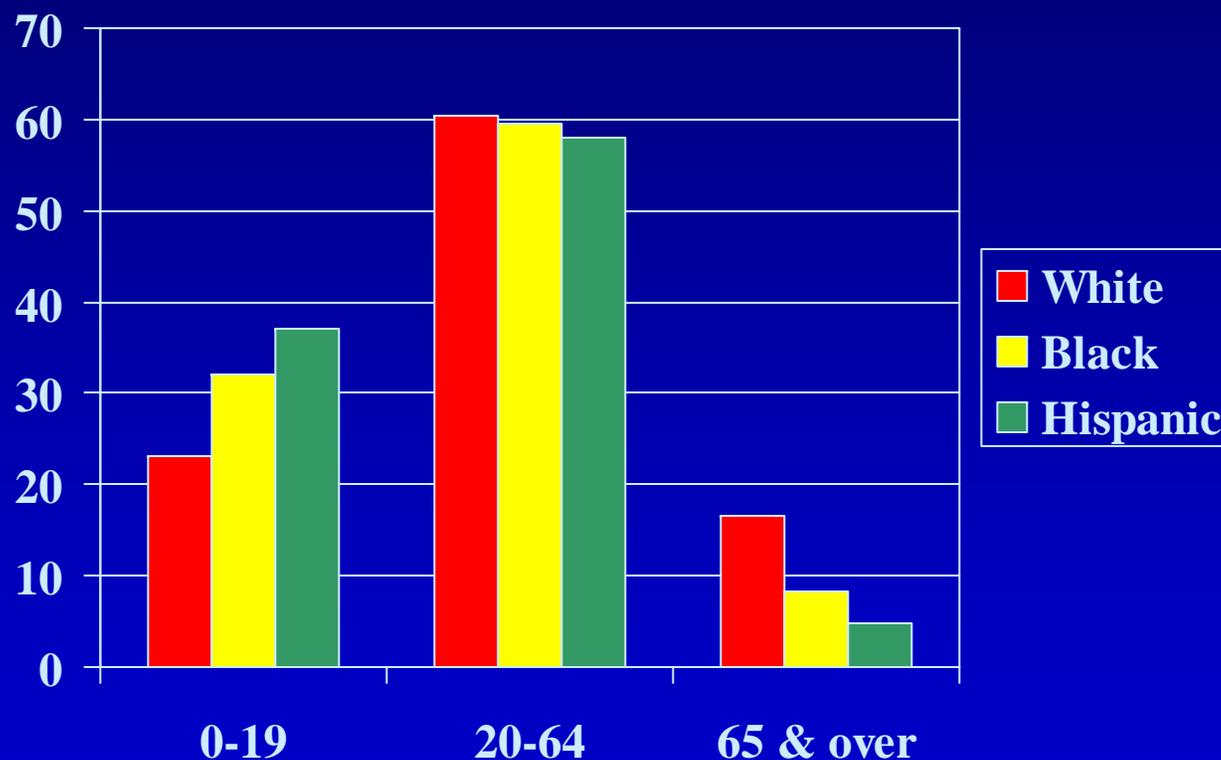
Source: U.S. Bureau of the Census, Interim State Population Projections, 2005

Growth in the CT Racial and Ethnic Minority Population, 1980 - 2025



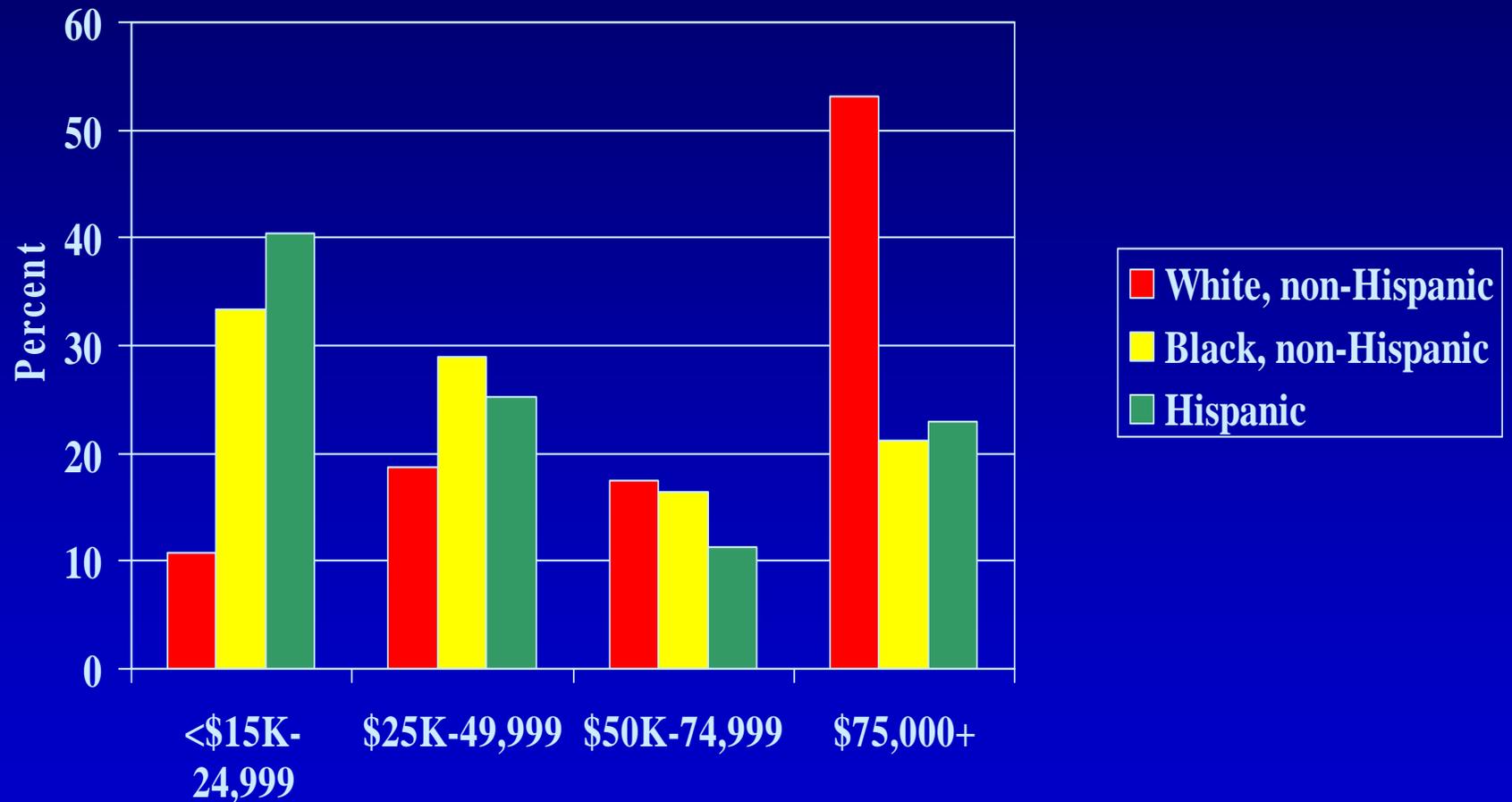
Source: US. Bureau of the Census; CT Department of Public Health.

CT Population by Age and Race/Ethnicity Group, 2009



Source: CT Department of Public Health, 2009 Population estimates.

Annual Household Income CT Adults by Race & Ethnicity, 2007-2009



Source: Connecticut Department of Public Health
Behavioral Risk Factor Surveillance Survey, 2010.

Leading Causes of Death

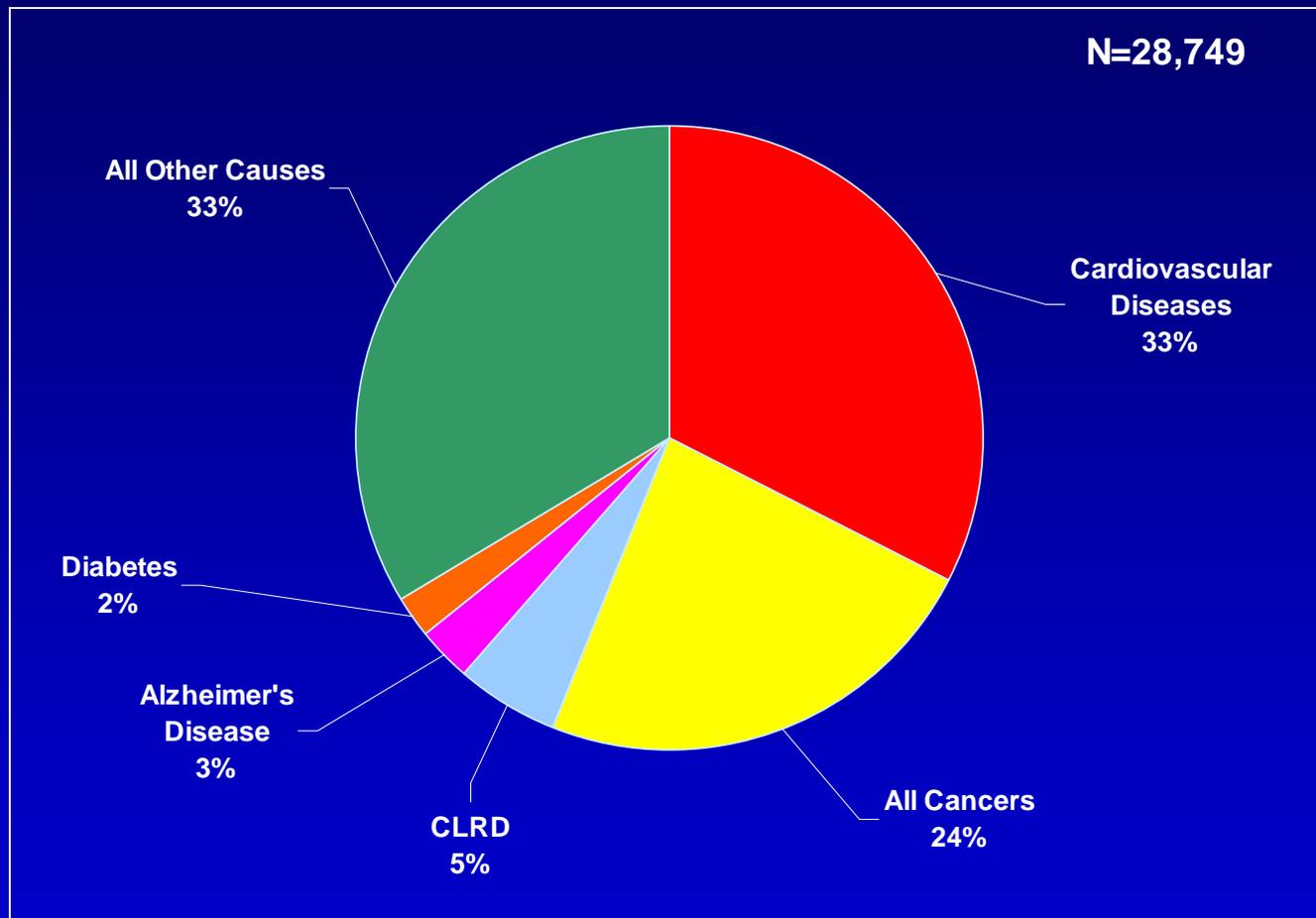
Leading Causes of Death

CT Residents by Age Group, 2008

Rank	All	65-74 Years	75-84 Years	85+ Years
1	Heart disease 7,300	Cancer 1,511	Cancer 2,033	Heart disease 3,505
2	Cancer 6,765	Heart disease 762	Heart disease 1,942	Cancer 1,429
3	Chronic Lower Respiratory Disease 1,494	Chronic Lower Respiratory Disease 247	Chronic Lower Respiratory Disease 557	Cerebrovascular Disease 741
4	Cerebrovascular Disease 1,407	Cerebrovascular Disease 147	Cerebrovascular Disease 396	Alzheimer's disease 578
5	Unintentional Injuries 1,362	Anemias 125	Unintentional Injuries 230	Chronic Lower Respiratory Disease 533
6	Alzheimer's disease 831	Unintentional Injuries 101	Alzheimer's disease 208	Influenza & Pneumonia 422

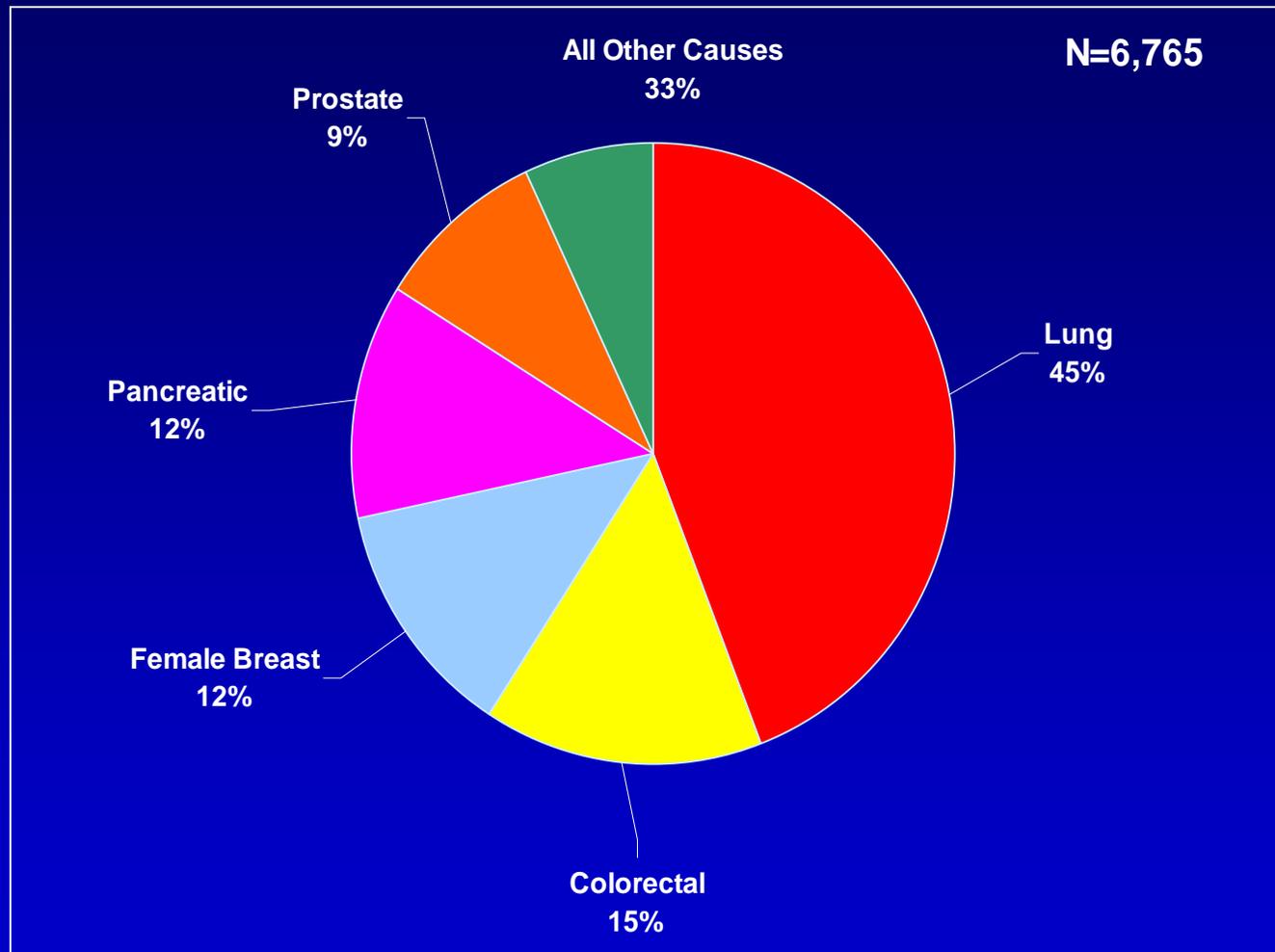
Source: Connecticut Department of Public Health, Vital Records Mortality Files, 2010.

Connecticut Resident Deaths, 2008



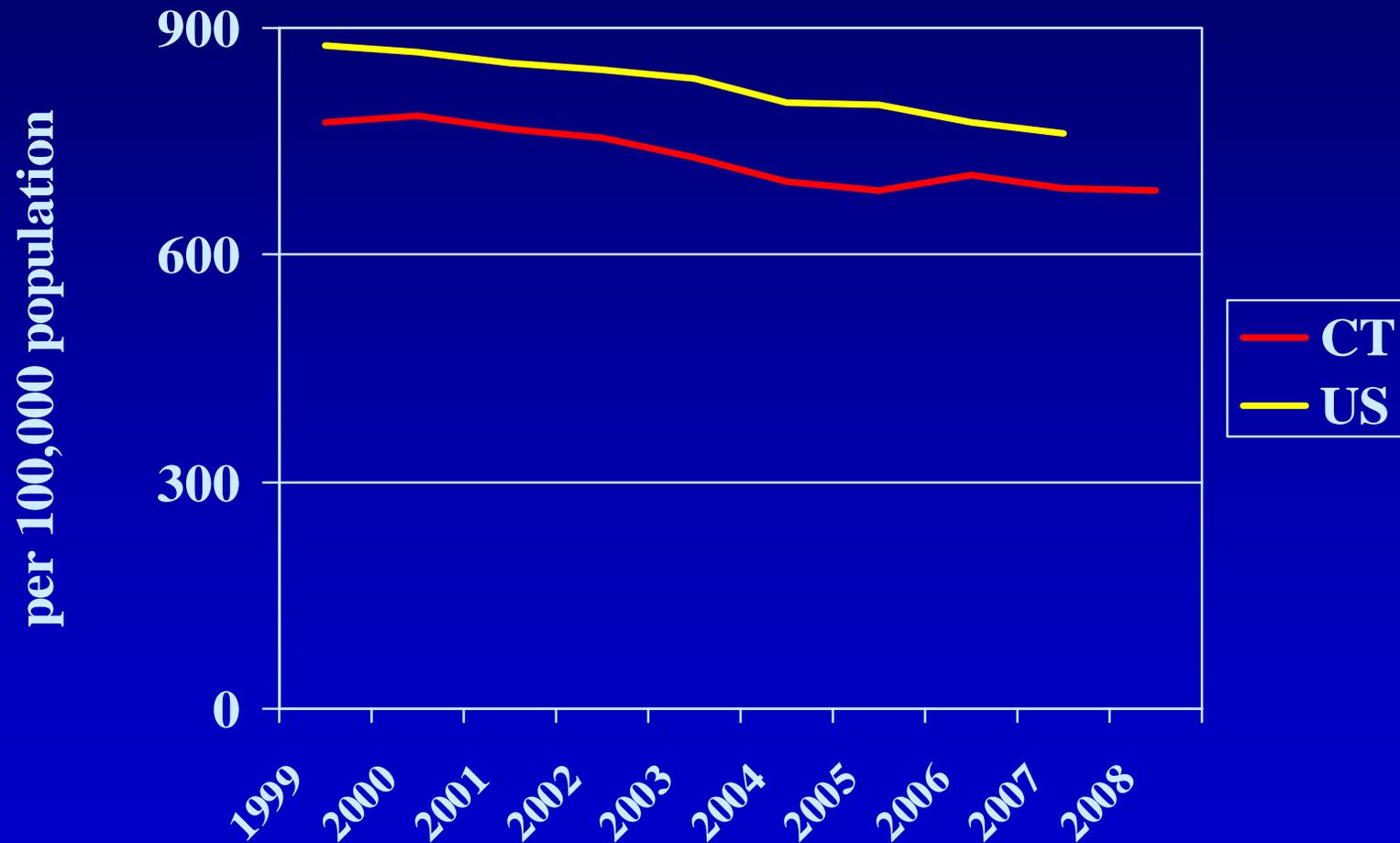
Source: Connecticut Department of Public Health, Vital Records Mortality Files, 2010.

Connecticut Resident Cancer Deaths, 2008



Source: Connecticut Department of Public Health, Vital Records Mortality Files, 2010.

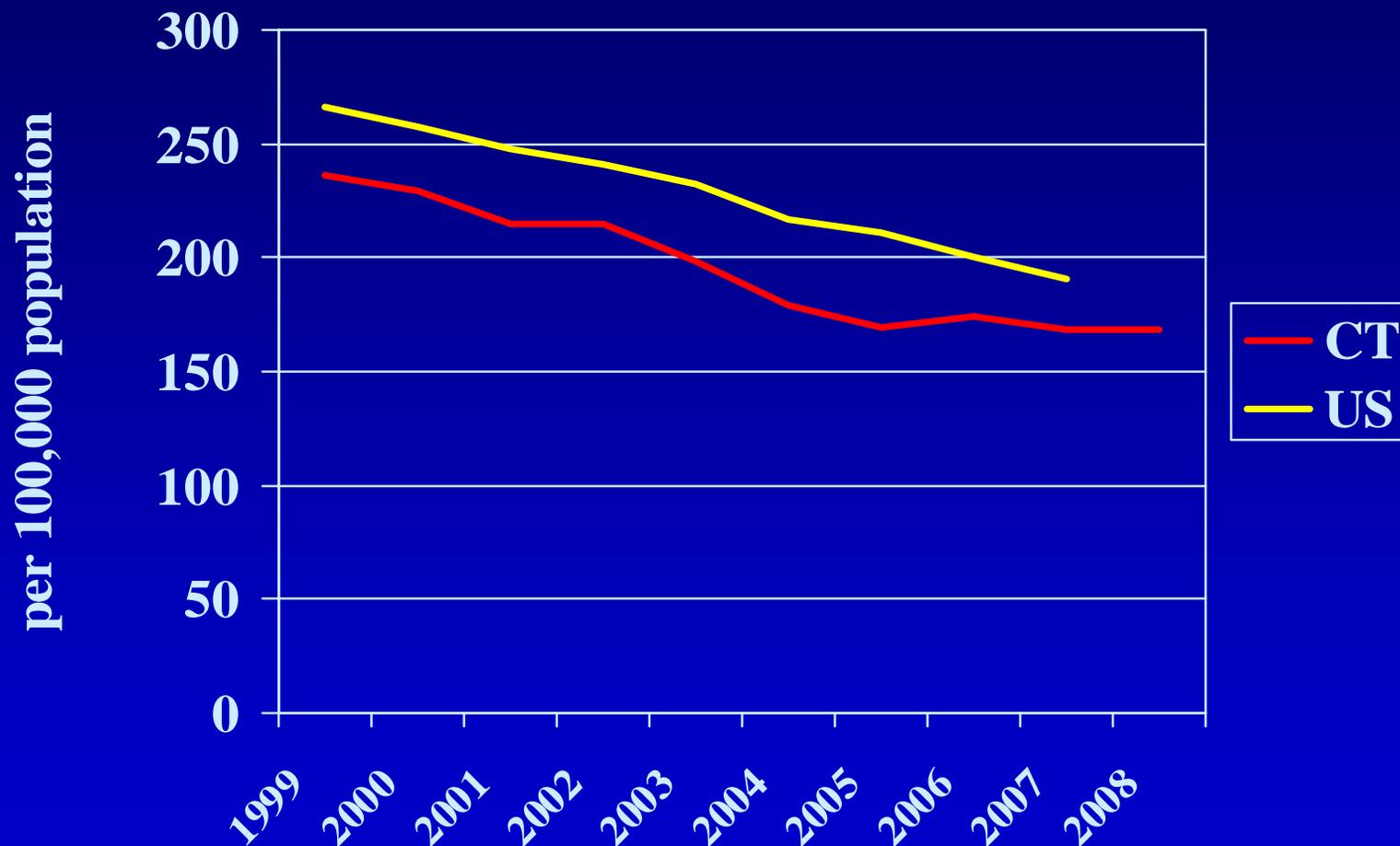
Age-adjusted Mortality Rates - All Causes Connecticut and US Residents, 1999-2008



Source:

Connecticut Department of Public Health, Vital Records Mortality Files, 2010.
CDC WONDER, Compressed Mortality Files, 2010.

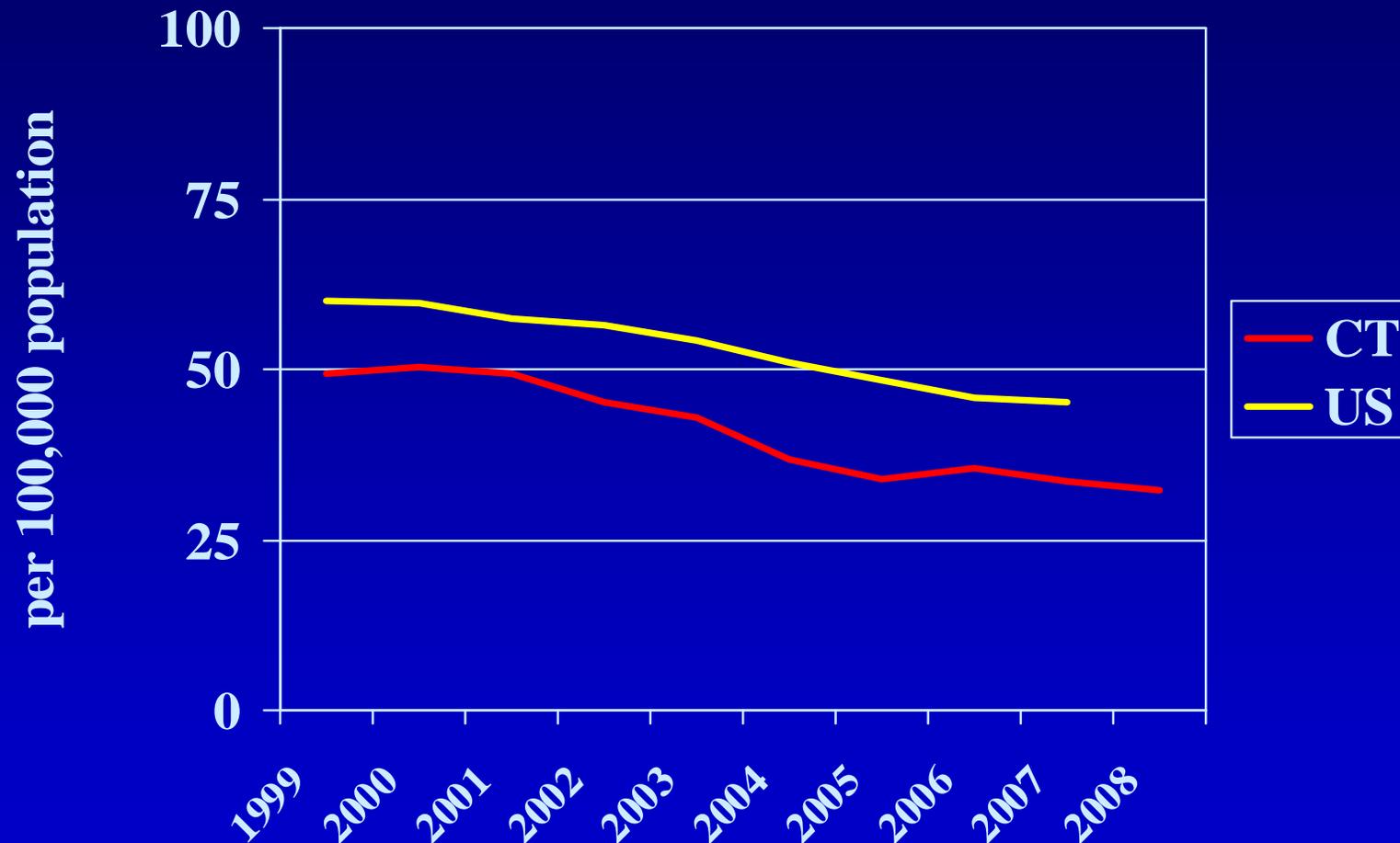
Age-adjusted Mortality Rates - Heart Disease Connecticut and US Residents, 1999-2008



Source:

Connecticut Department of Public Health, Vital Records Mortality Files, 2010.
CDC WONDER, Compressed Mortality Files, 2010.

Age-adjusted Mortality Rates - Stroke Connecticut and US Residents, 1999-2008

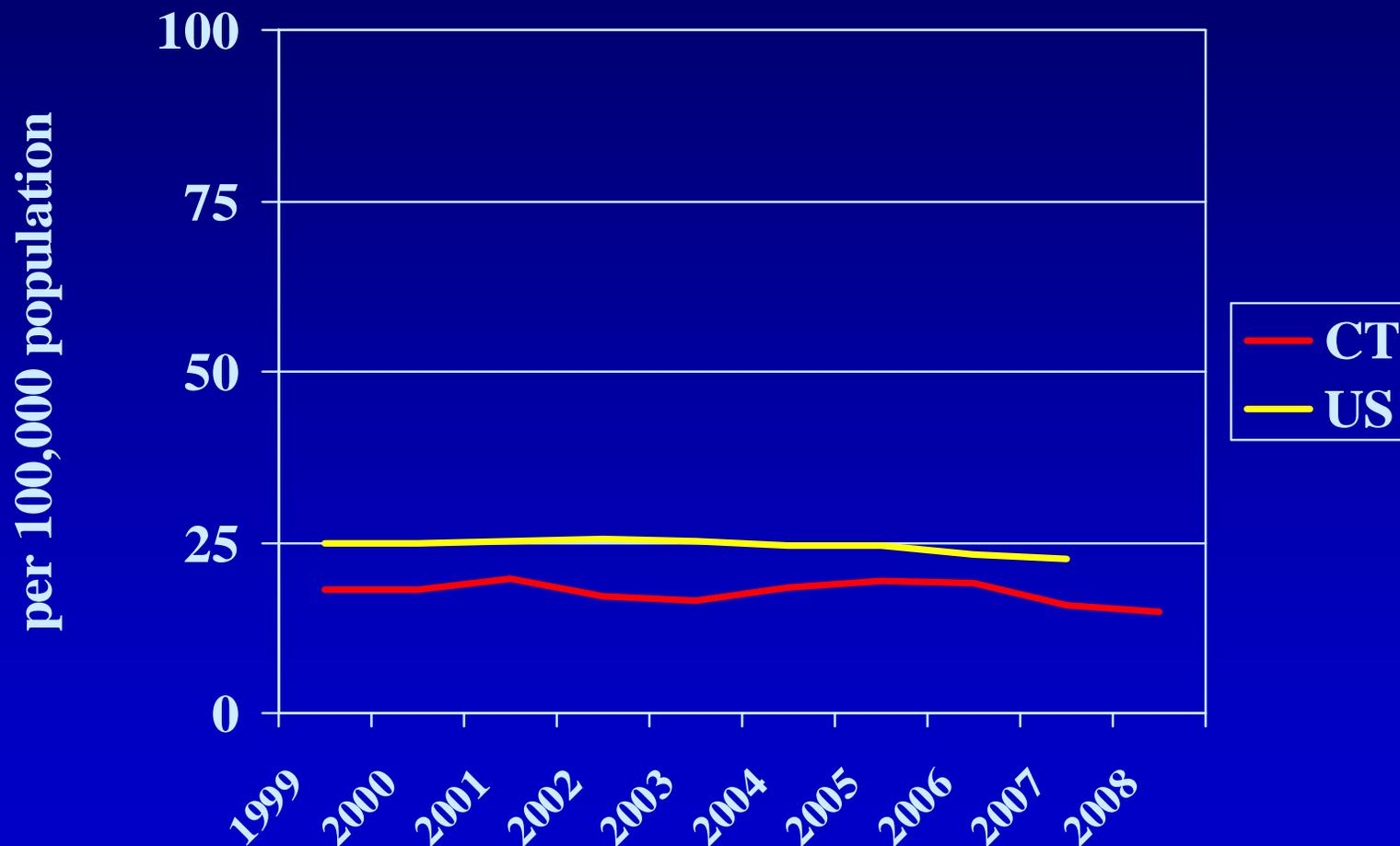


Source:

Connecticut Department of Public Health, Vital Records Mortality Files, 2010.
CDC WONDER, Compressed Mortality Files, 2010.



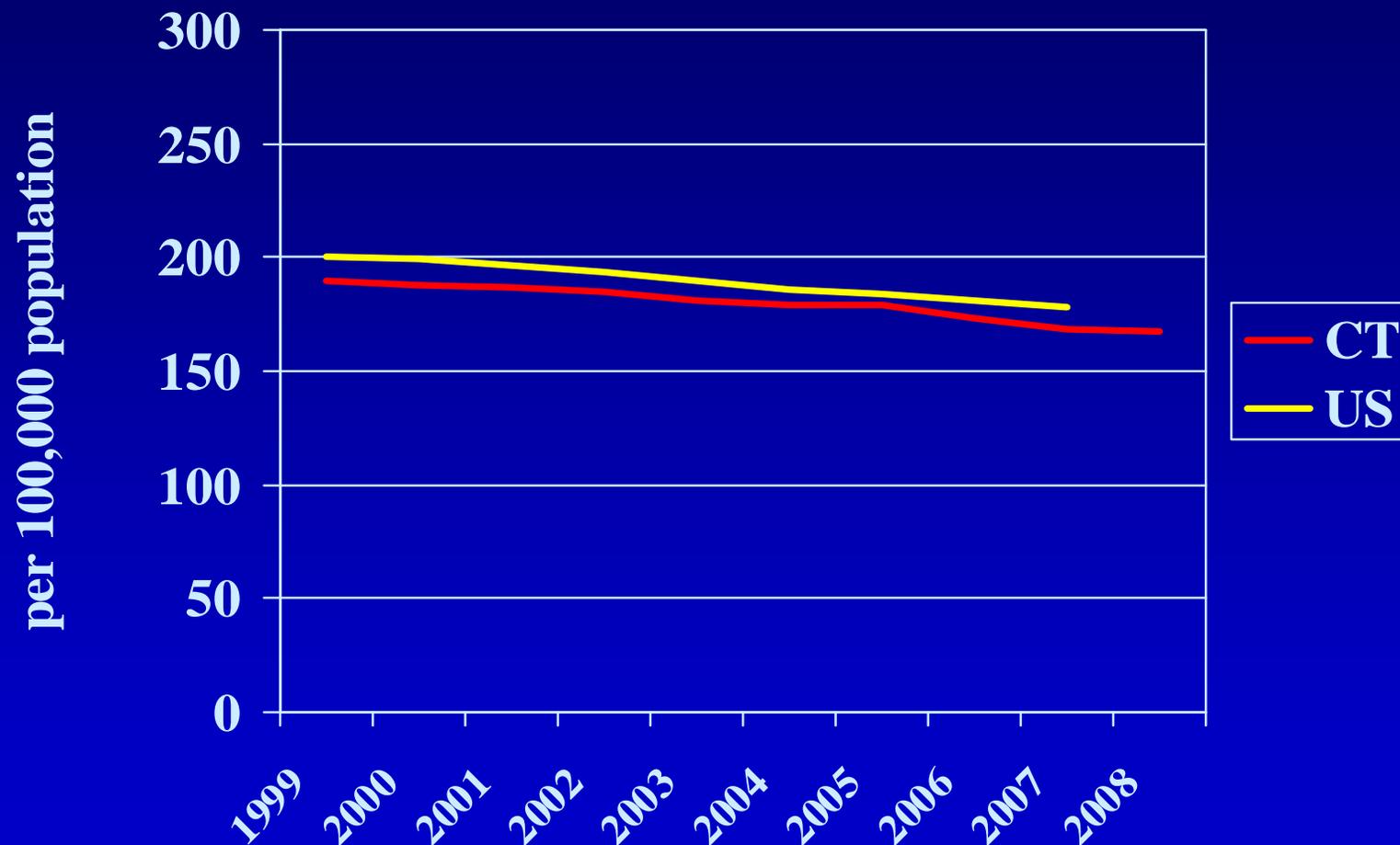
Age-adjusted Mortality Rates - Diabetes Connecticut and US Residents, 1999-2008



Source:

Connecticut Department of Public Health, Vital Records Mortality Files, 2010.
CDC WONDER, Compressed Mortality Files, 2010.

Age-adjusted Mortality Rates - Cancer Connecticut and US Residents, 1999-2008

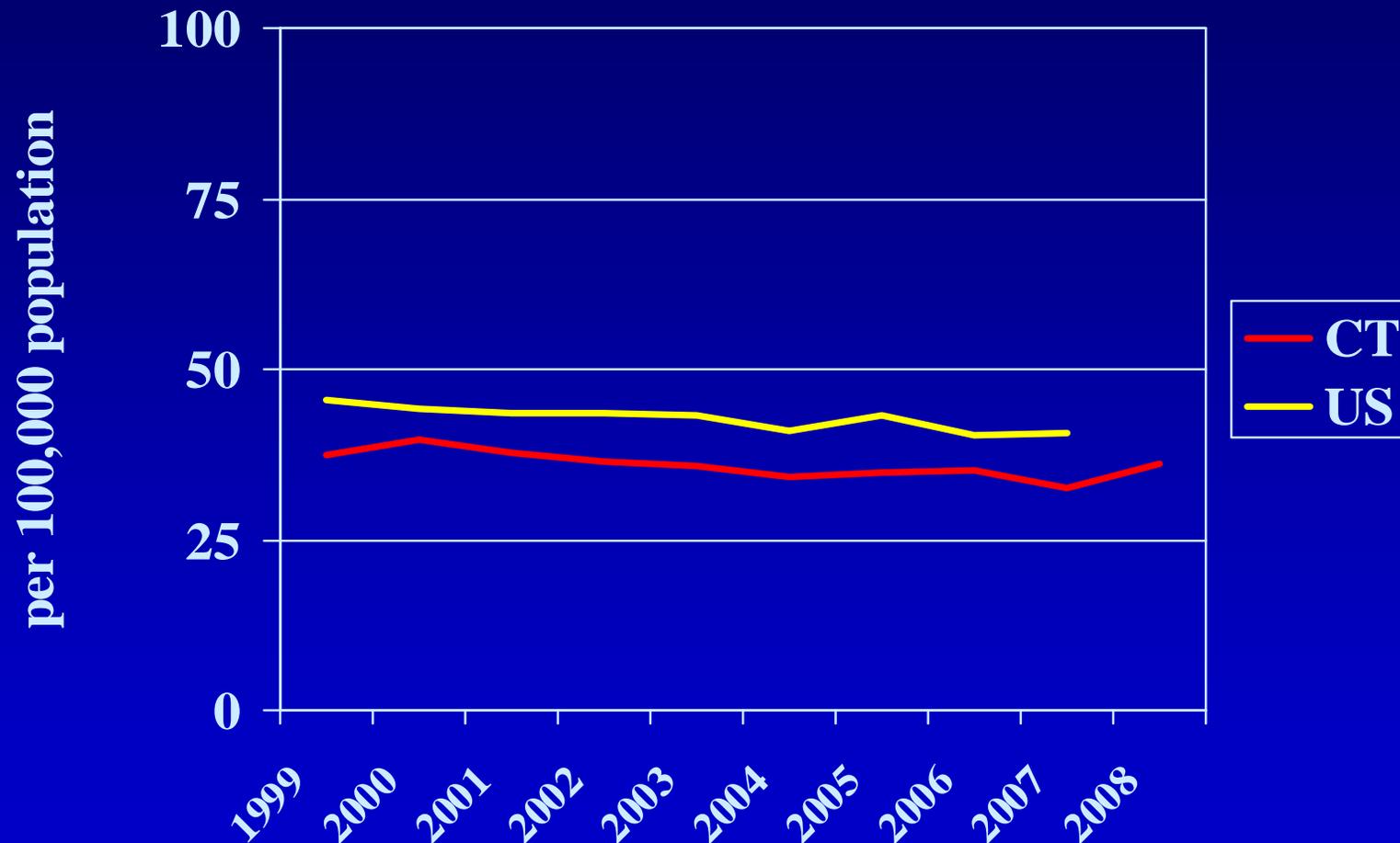


Source:

Connecticut Department of Public Health, Vital Records Mortality Files, 2010.
CDC WONDER, Compressed Mortality Files, 2010.

Age-adjusted Mortality Rates - CLRD

Connecticut and US Residents, 1999-2008

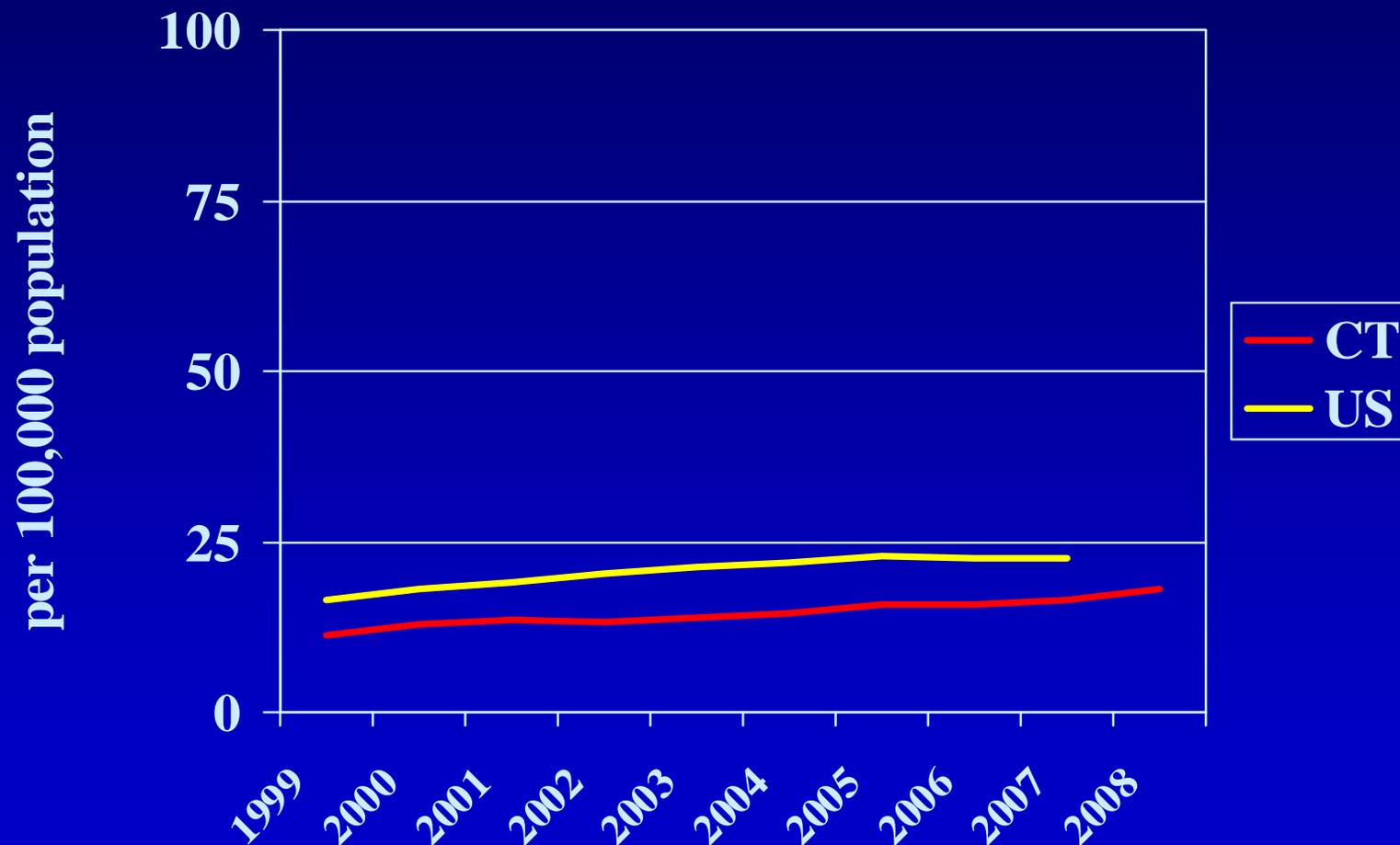


Source:

Connecticut Department of Public Health, Vital Records Mortality Files, 2010.
CDC WONDER, Compressed Mortality Files, 2010.



Age-adjusted Mortality Rates - Alzheimer's Connecticut and US Residents, 1999-2008

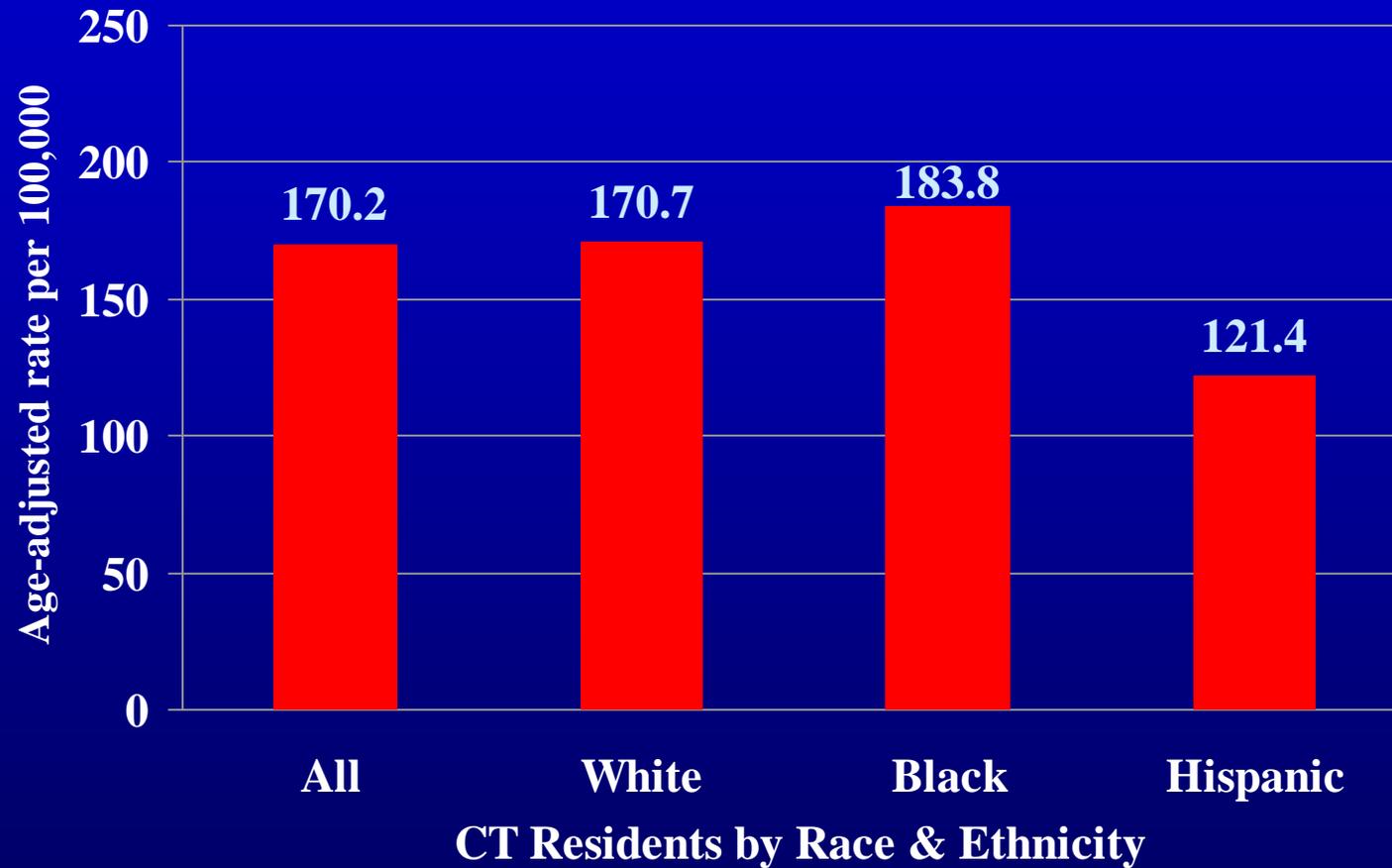


Source:

Connecticut Department of Public Health, Vital Records Mortality Files, 2010.
CDC WONDER, Compressed Mortality Files, 2010.

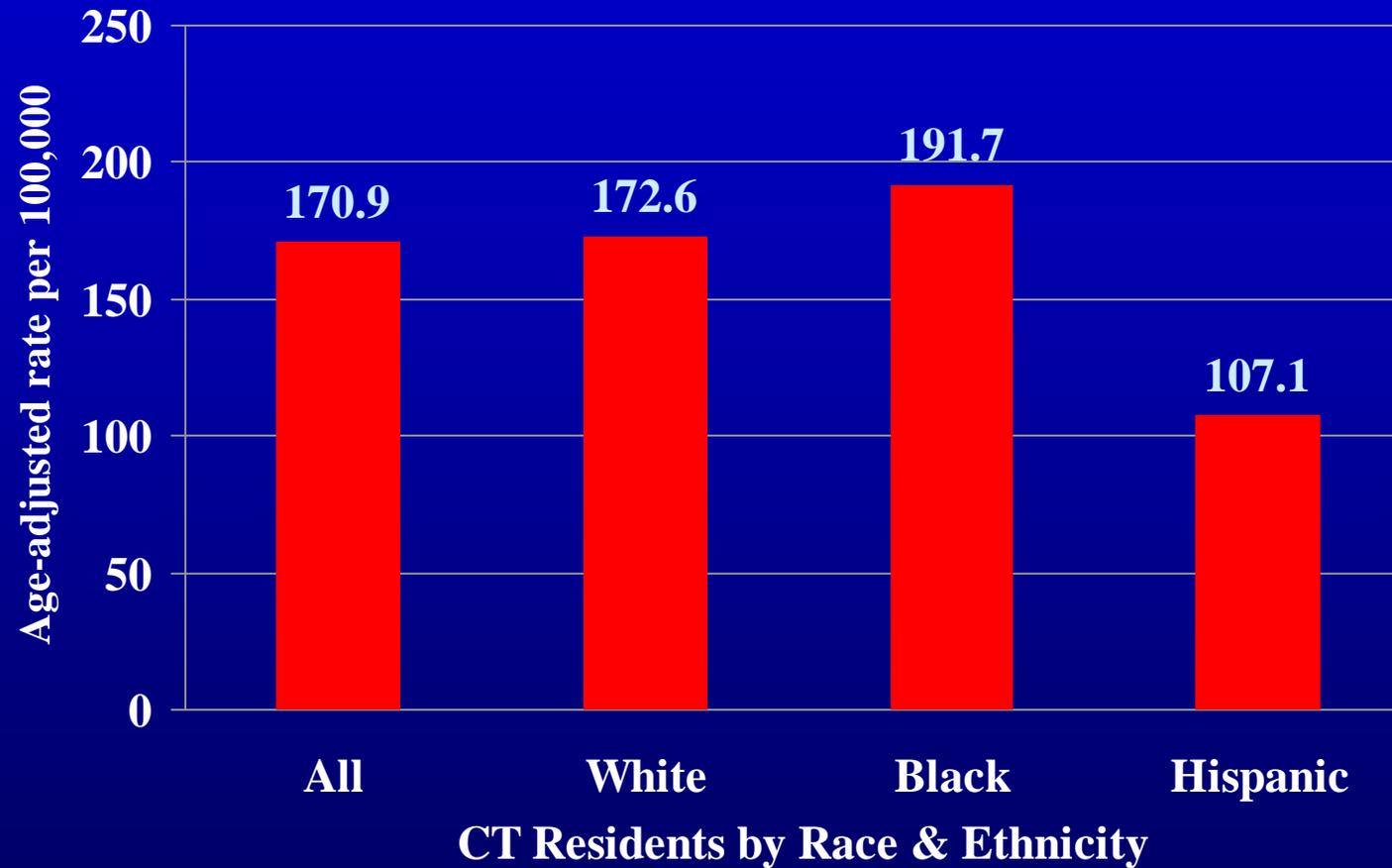


Age-Adjusted Death Rates - Heart Disease CT Residents by Race & Ethnicity, 2006-2008



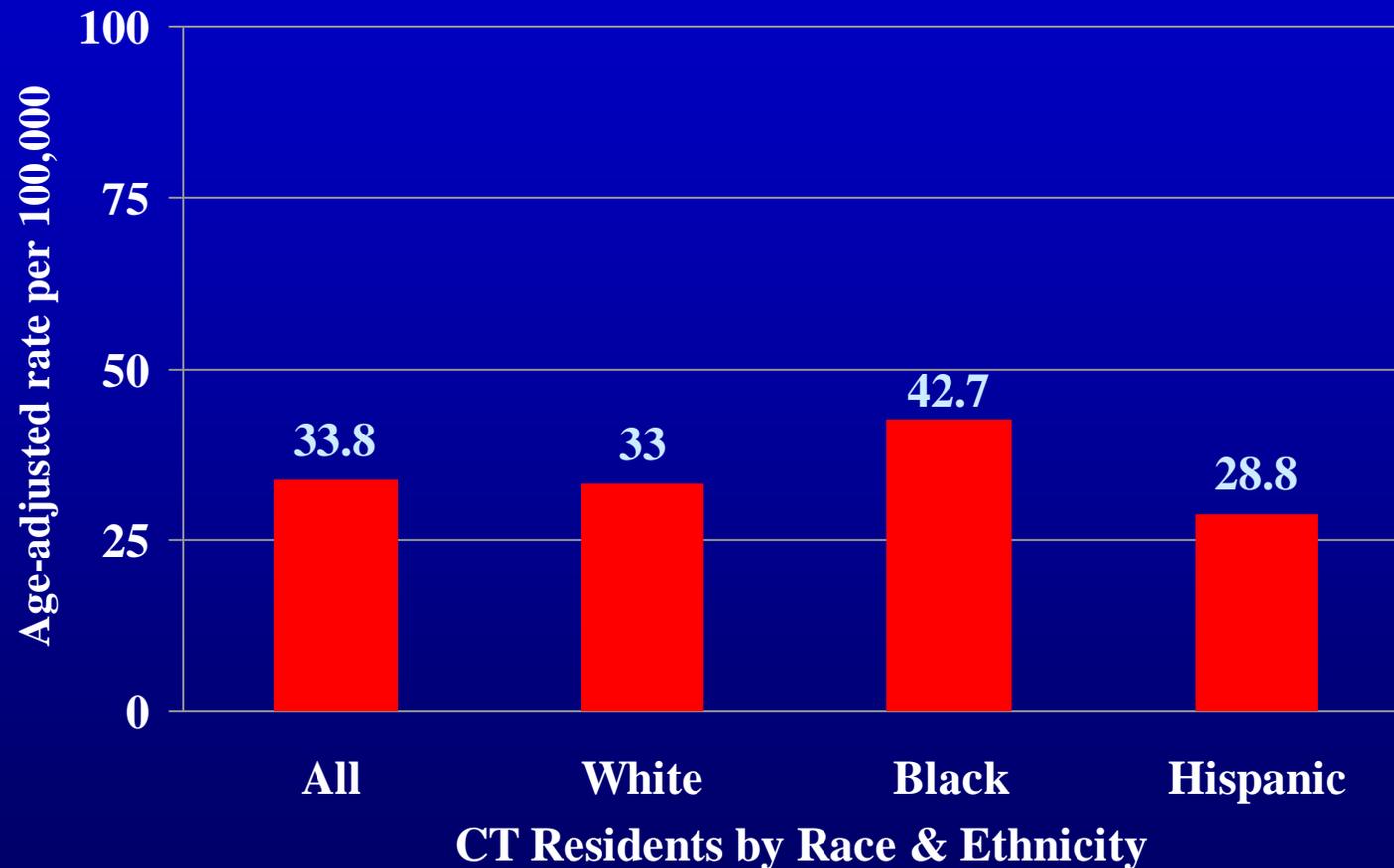
Source: Connecticut Department of Public Health
Vital Records Mortality Files, 2010.

Age-Adjusted Death Rates - Cancer *CT Residents by Race & Ethnicity, 2006-2008*



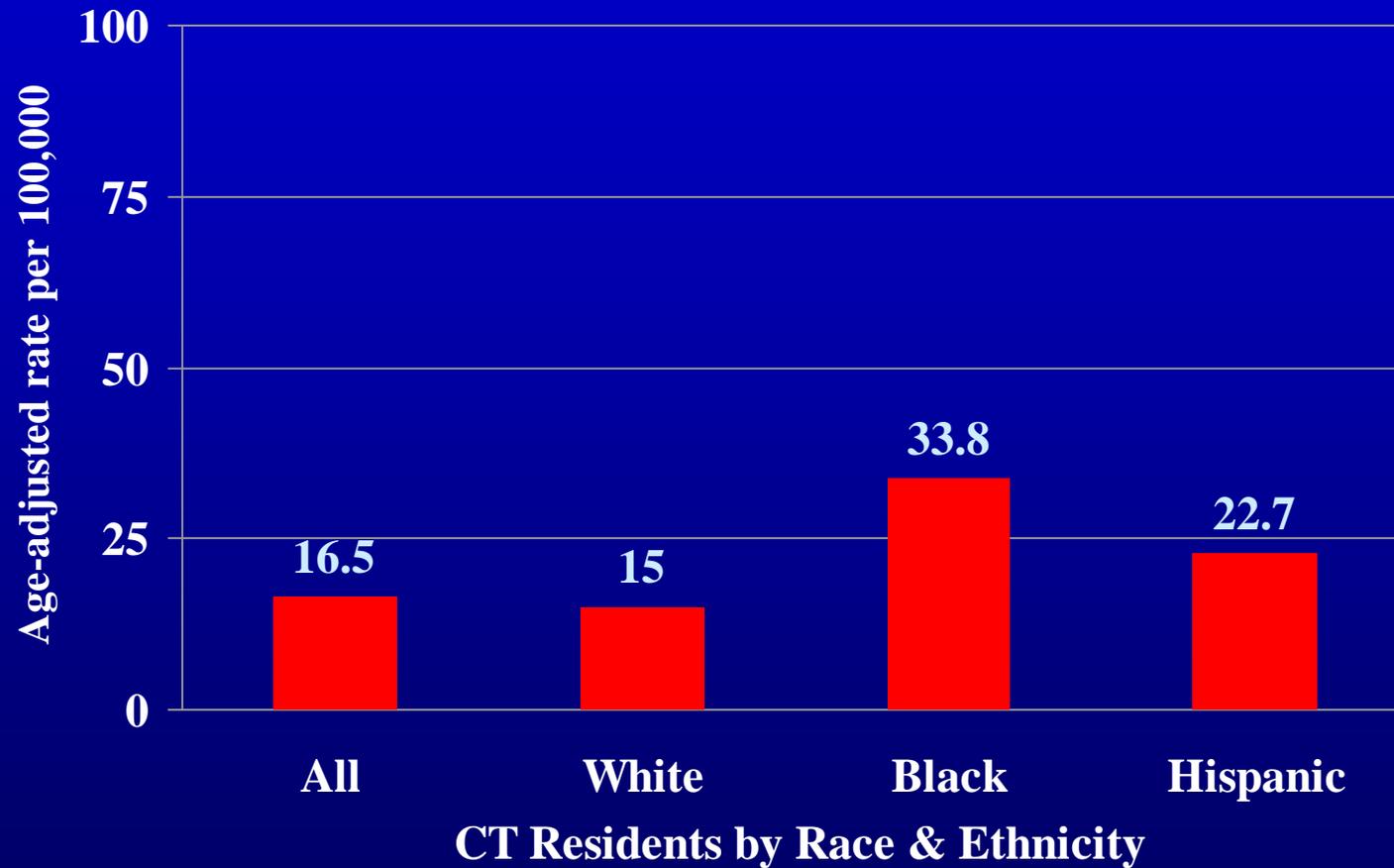
Source: Connecticut Department of Public Health
Vital Records Mortality Files, 2010.

Age-Adjusted Death Rates - Stroke *CT Residents by Race & Ethnicity, 2006-2008*



Source: Connecticut Department of Public Health
Vital Records Mortality Files, 2010.

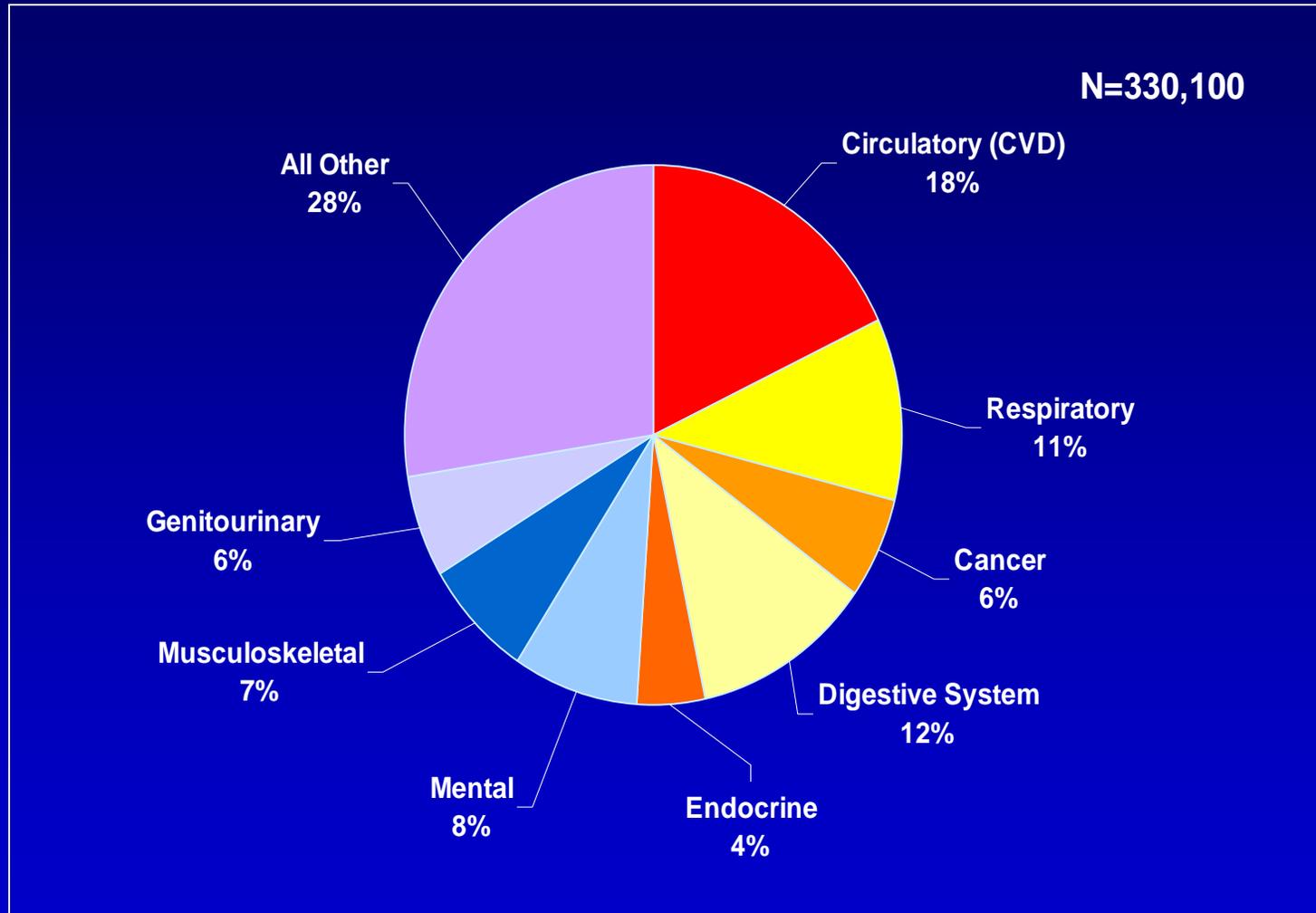
Age-Adjusted Death Rates - Diabetes CT Residents by Race & Ethnicity, 2006-2008



Source: Connecticut Department of Public Health
Vital Records Mortality Files, 2010.

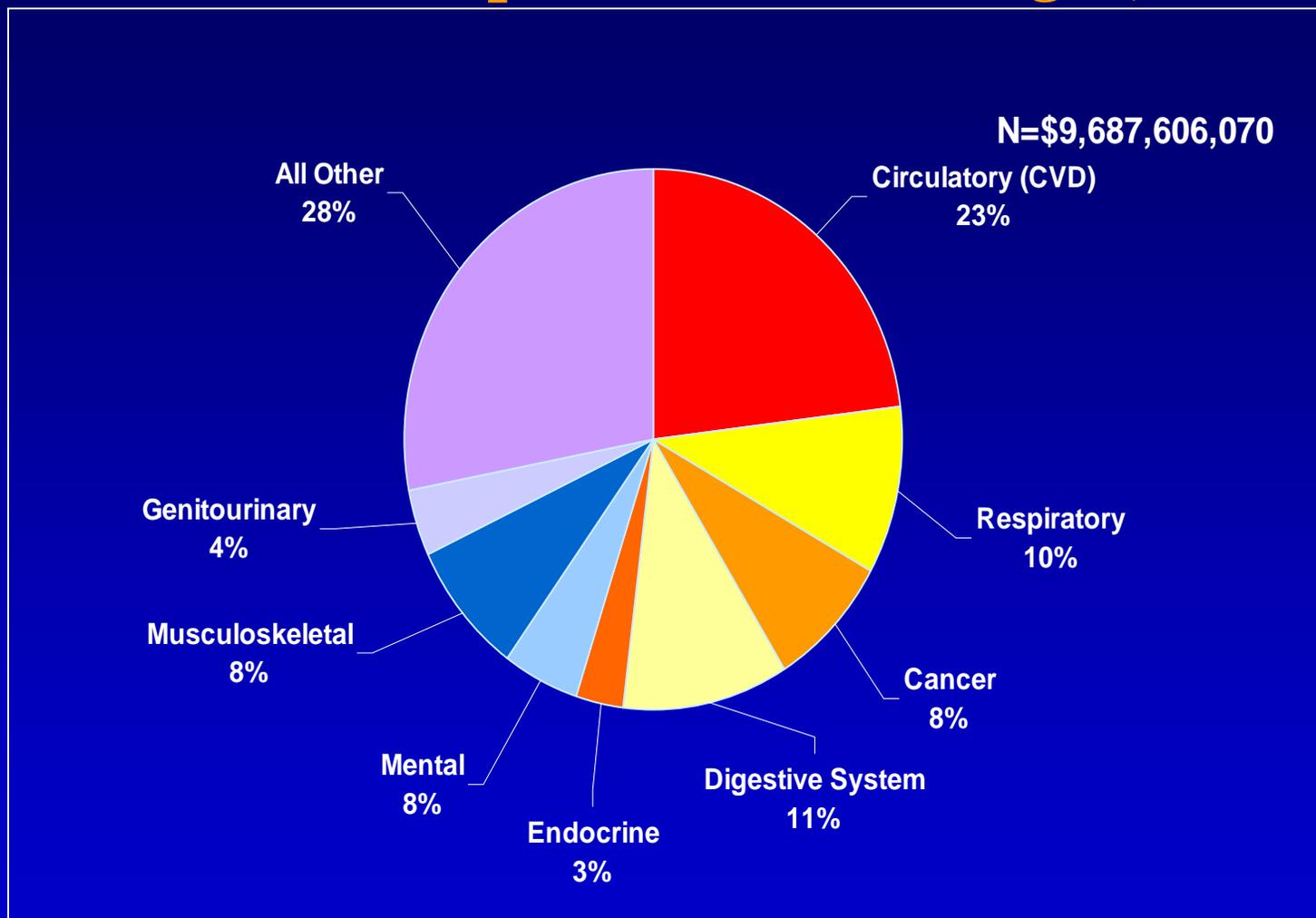
Hospitalizations

Connecticut Resident Hospitalizations, 2008



Source: Connecticut Department of Public Health, Hospital Discharge Abstract & Billing Database, 2010.

CT Resident Hospitalization Charges, 2008

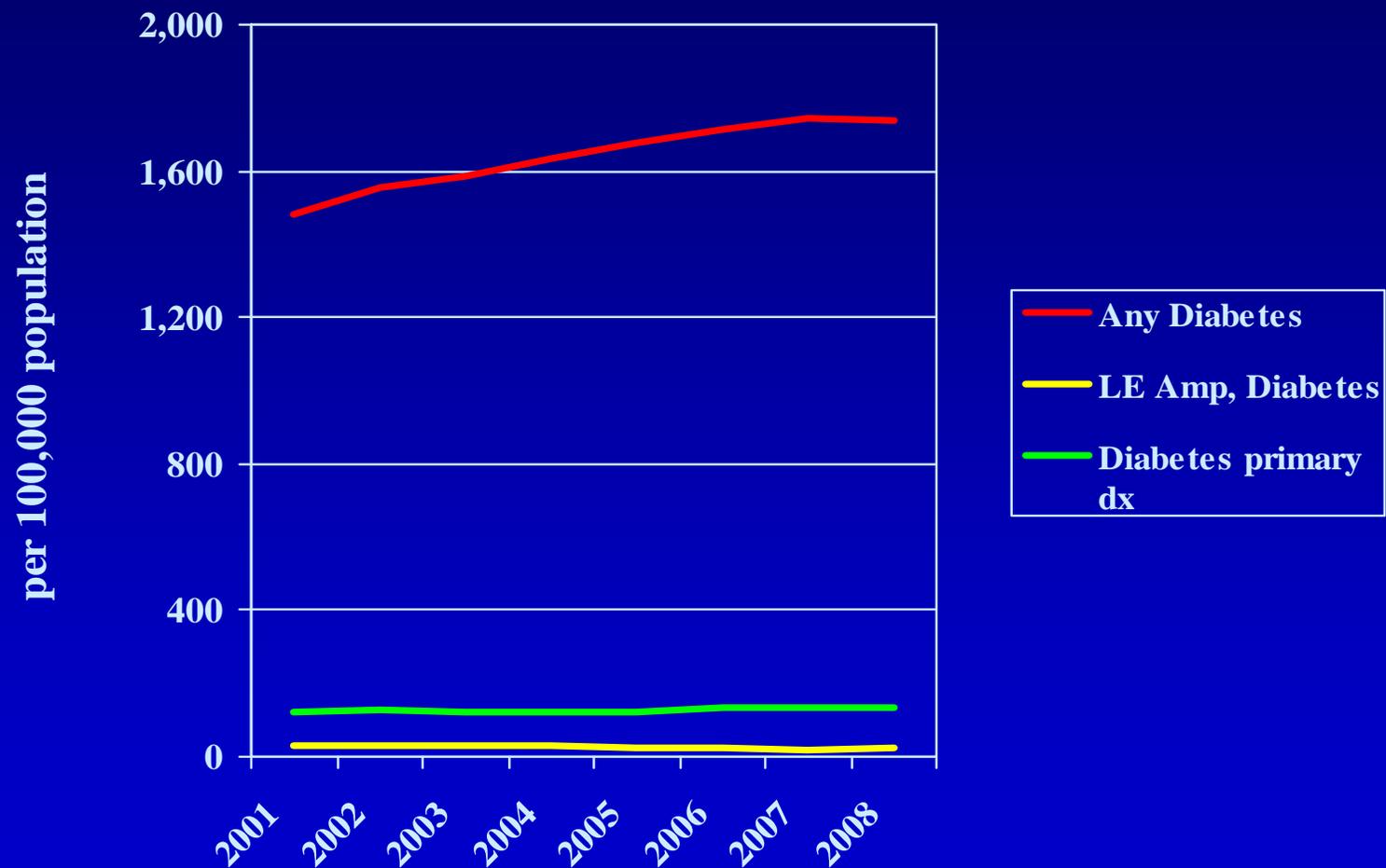


Source: Connecticut Department of Public Health, Hospital Discharge Abstract & Billing Database, 2010.

CDC Chronic Disease Hospitalization Indicators

- ❖ Diabetes
- ❖ Circulatory
- ❖ COPD
- ❖ Cancer

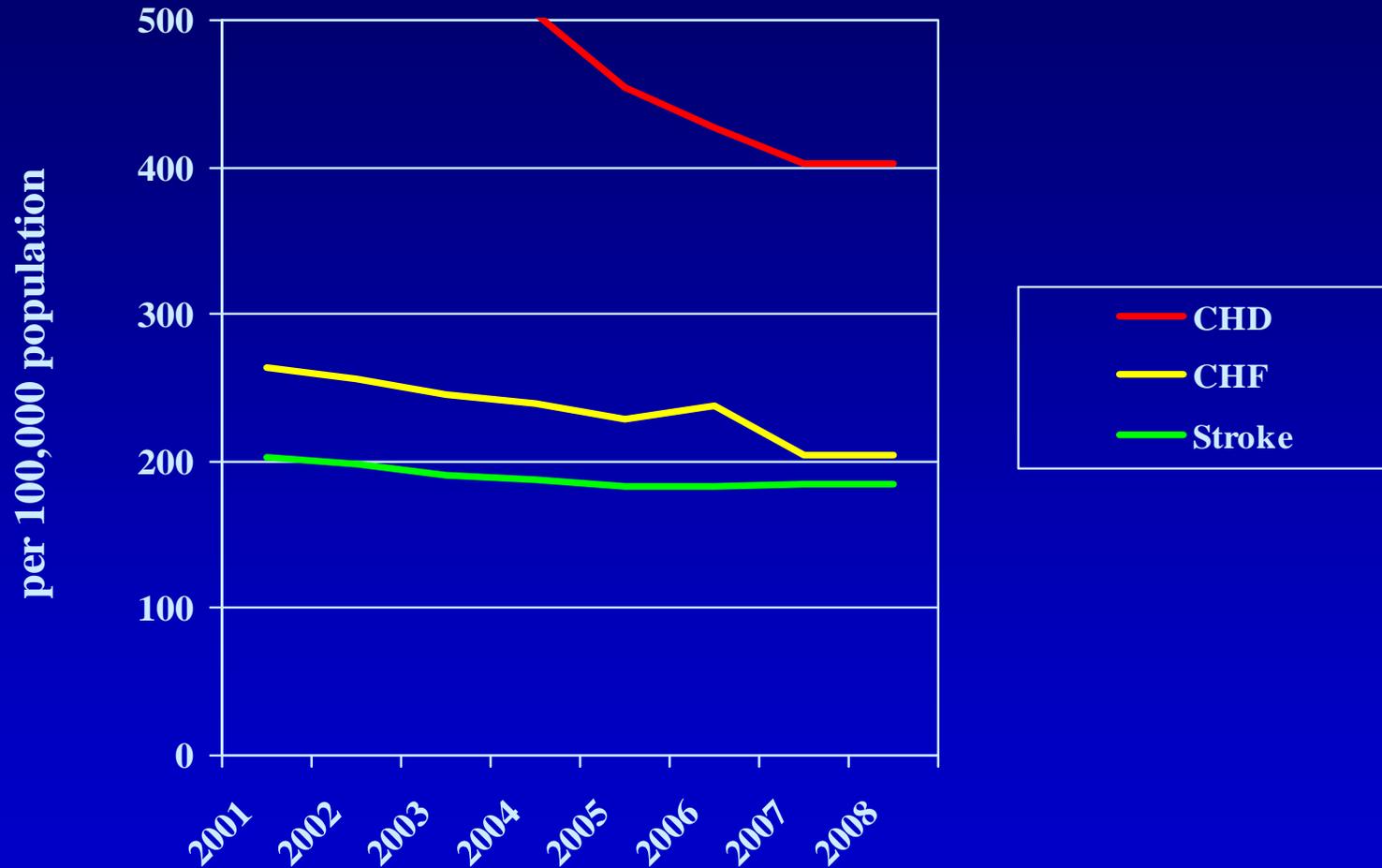
Age-adjusted Hospitalization Rates – Diabetes and Diabetes LE Amputation Connecticut Residents, 2001-2008



Source:

Connecticut Hospital Discharge Abstract and Billing Database, 2010.

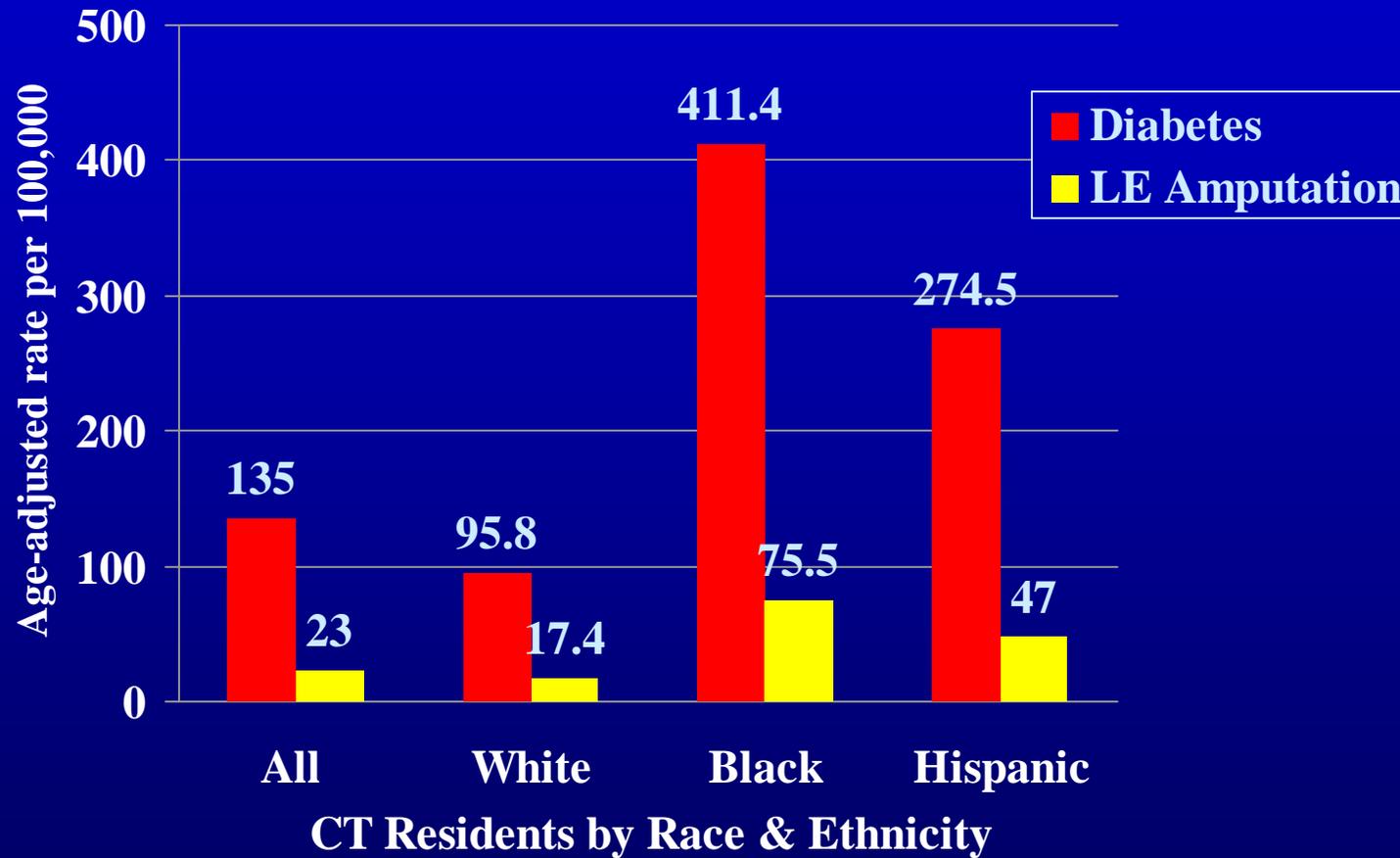
Age-adjusted Hospitalization Rates – CHD, CHF and Stroke Connecticut Residents, 2001-2008



Source:

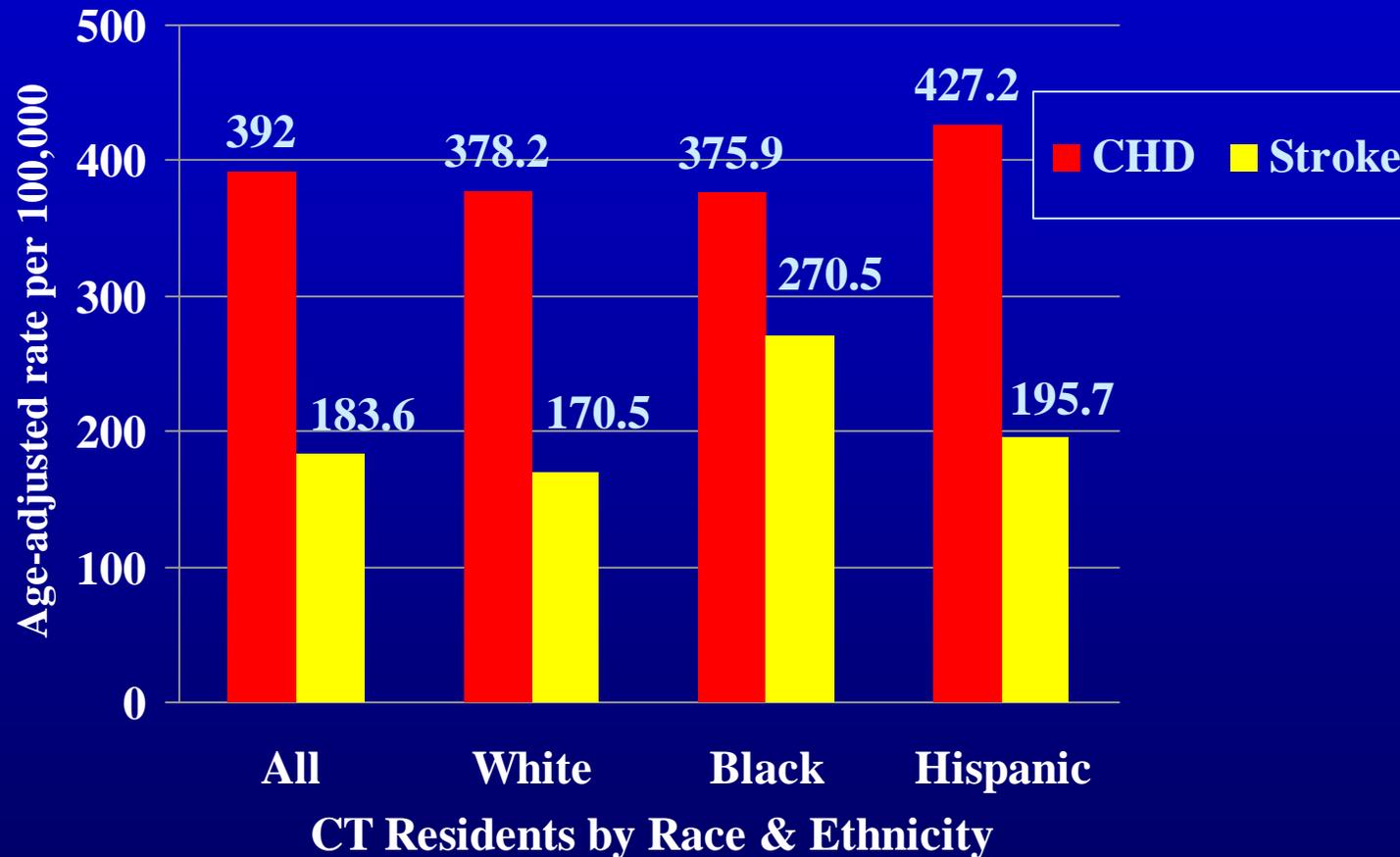
Connecticut Hospital Discharge Abstract and Billing Database, 2010.

*Age-Adjusted Hospitalization Rates –
Diabetes and Diabetes w/ LE Amputation
CT Residents by Race & Ethnicity, 2008*



Source: Connecticut Department of Public Health
Hospital Discharge and Abstract Billing Database, 2010.

Age-Adjusted Hospitalization Rates – Coronary Heart Disease and Stroke CT Residents by Race & Ethnicity, 2008

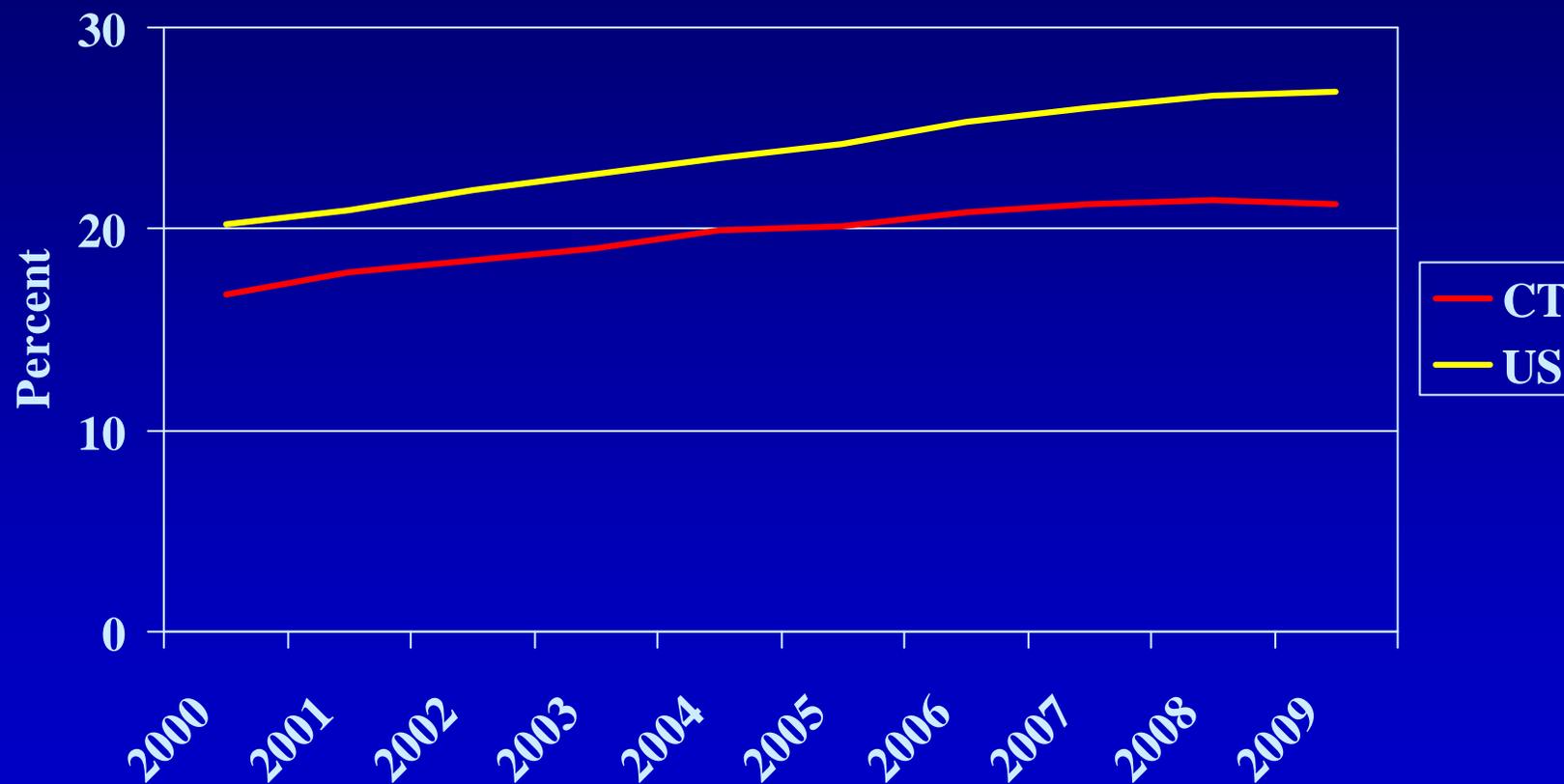


Source: Connecticut Department of Public Health
Hospital Discharge and Abstract Billing Database, 2010.

Behavioral Risk Factors for Chronic Disease

- ❖ Obesity
- ❖ Diabetes Prevalence
- ❖ Current Cigarette Smoking
- ❖ High Blood Pressure
- ❖ High Blood Cholesterol
- ❖ Physical Inactivity

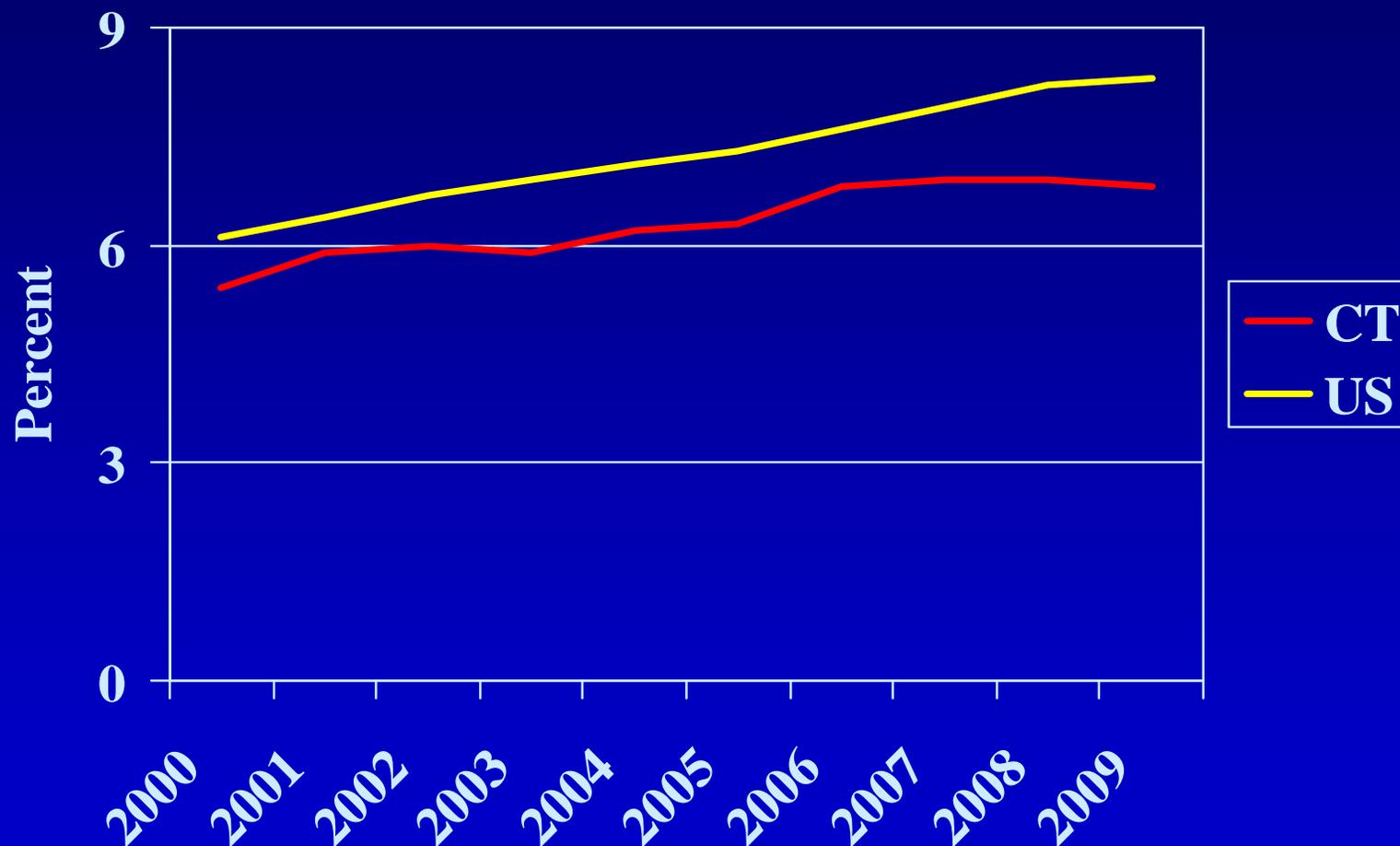
Prevalence of Obesity Among Adults Connecticut and the United States, 2000-2009



Source:

Connecticut Department of Public Health, Behavioral Risk Factor Surveillance Survey, 2011.
Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance Survey, 2011.

Prevalence of Diabetes among Adults Connecticut and the United States, 2000-2009



Source:

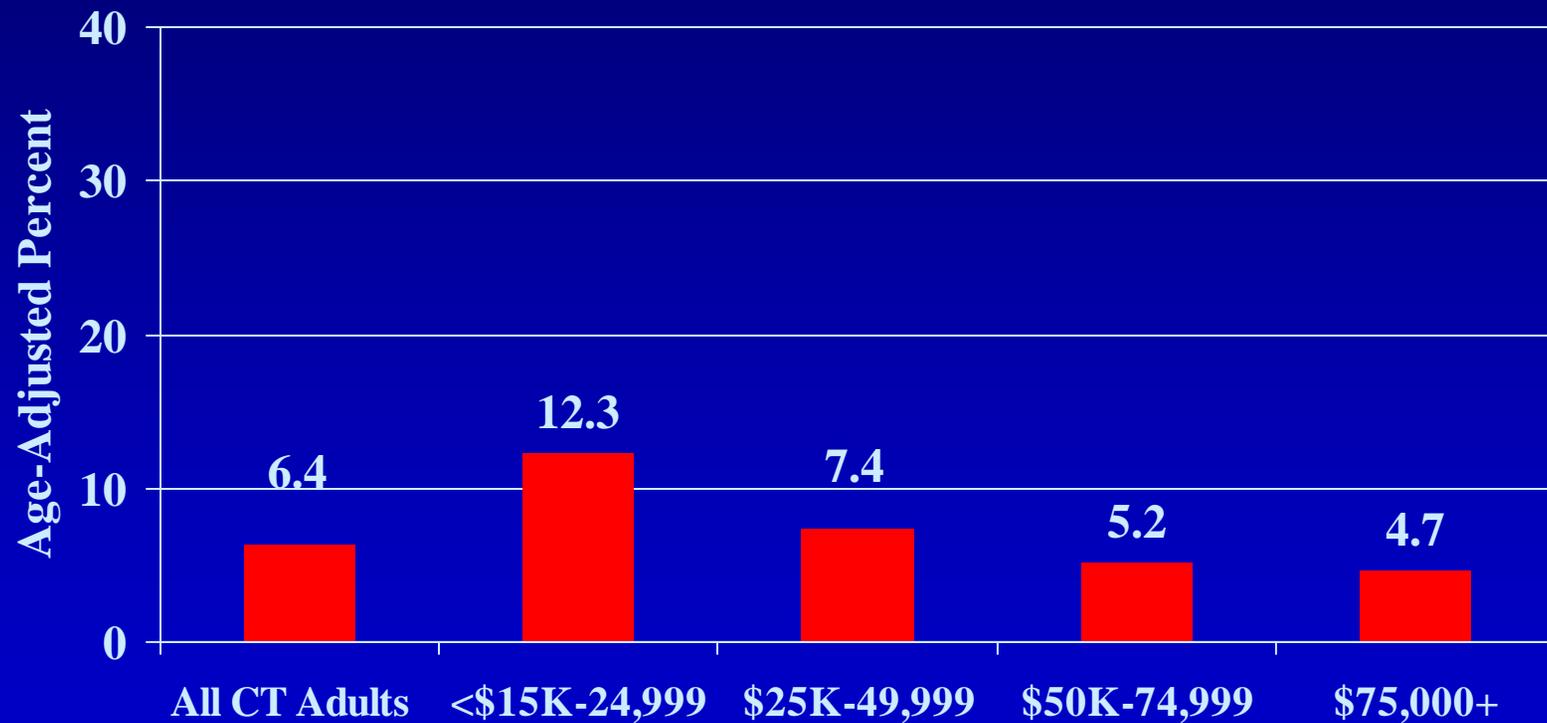
Connecticut Department of Public Health, Behavioral Risk Factor Surveillance Survey, 2011.
Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance Survey, 2011.

Obesity Prevalence CT Adults by Household Income 2007-2009



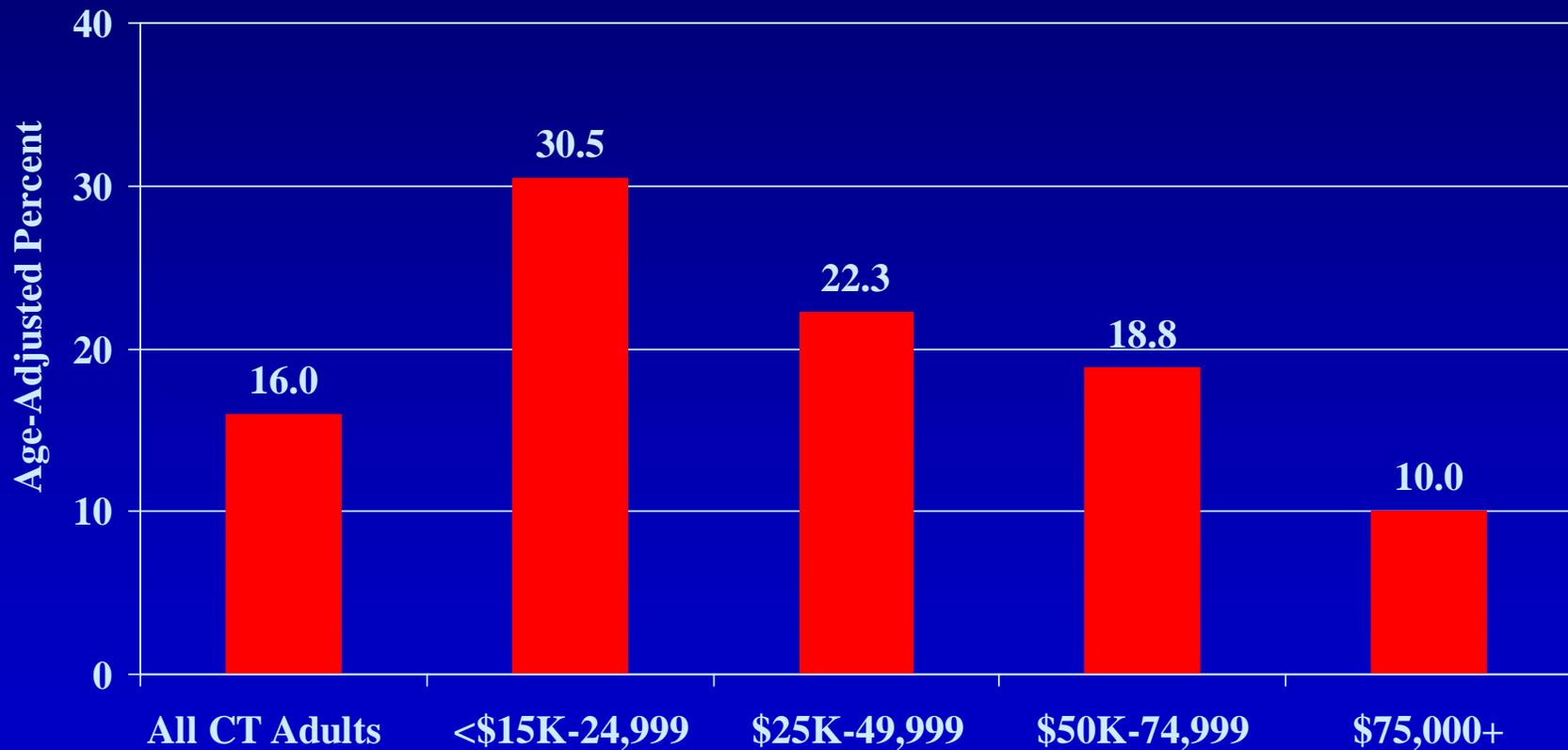
Source: Connecticut Department of Public Health
Behavioral Risk Factor Surveillance Survey, 2010.

Diabetes Prevalence CT Adults by Household Income 2007-2009



Source: Connecticut Department of Public Health
Behavioral Risk Factor Surveillance Survey, 2010.

Current Smokers CT Adults by Household Income 2007-2009



Source: Connecticut Department of Public Health
Behavioral Risk Factor Surveillance Survey, 2010.

High Blood Pressure Prevalence CT Adults by Household Income 2007-2009



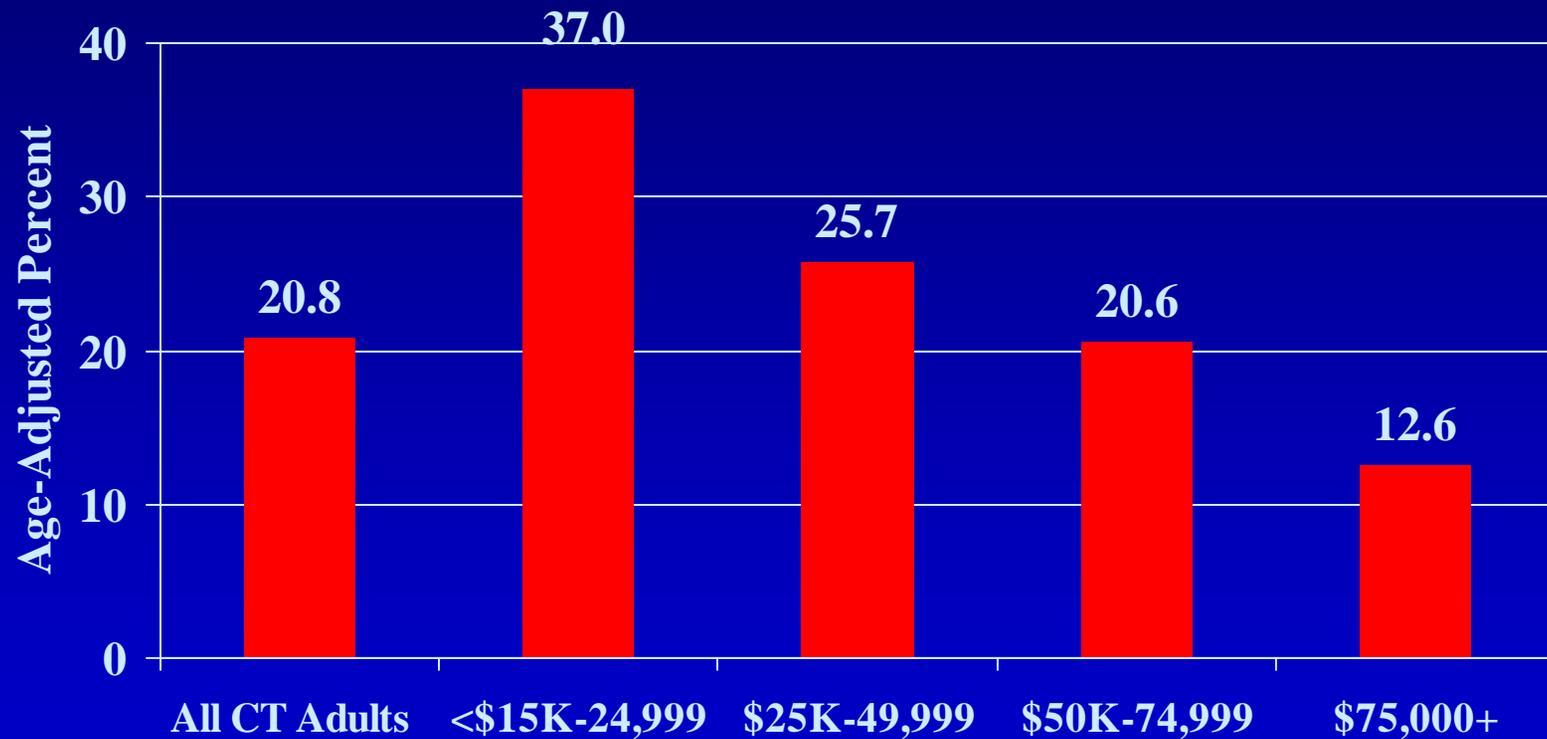
Source: Connecticut Department of Public Health
Behavioral Risk Factor Surveillance Survey, 2010.

Never Had Cholesterol Checked CT Adults by Household Income 2007-2009



Source: Connecticut Department of Public Health
Behavioral Risk Factor Surveillance Survey, 2010.

Percent Who Are Inactive CT Adults by Household Income 2007-2009



Source: Connecticut Department of Public Health
Behavioral Risk Factor Surveillance Survey, 2010.



➤ *Contact*

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