

Connecticut State Innovation Model State Health Profile: Data Packet

Preliminary Findings

Connecticut Department of Public Health

September 22, 2016

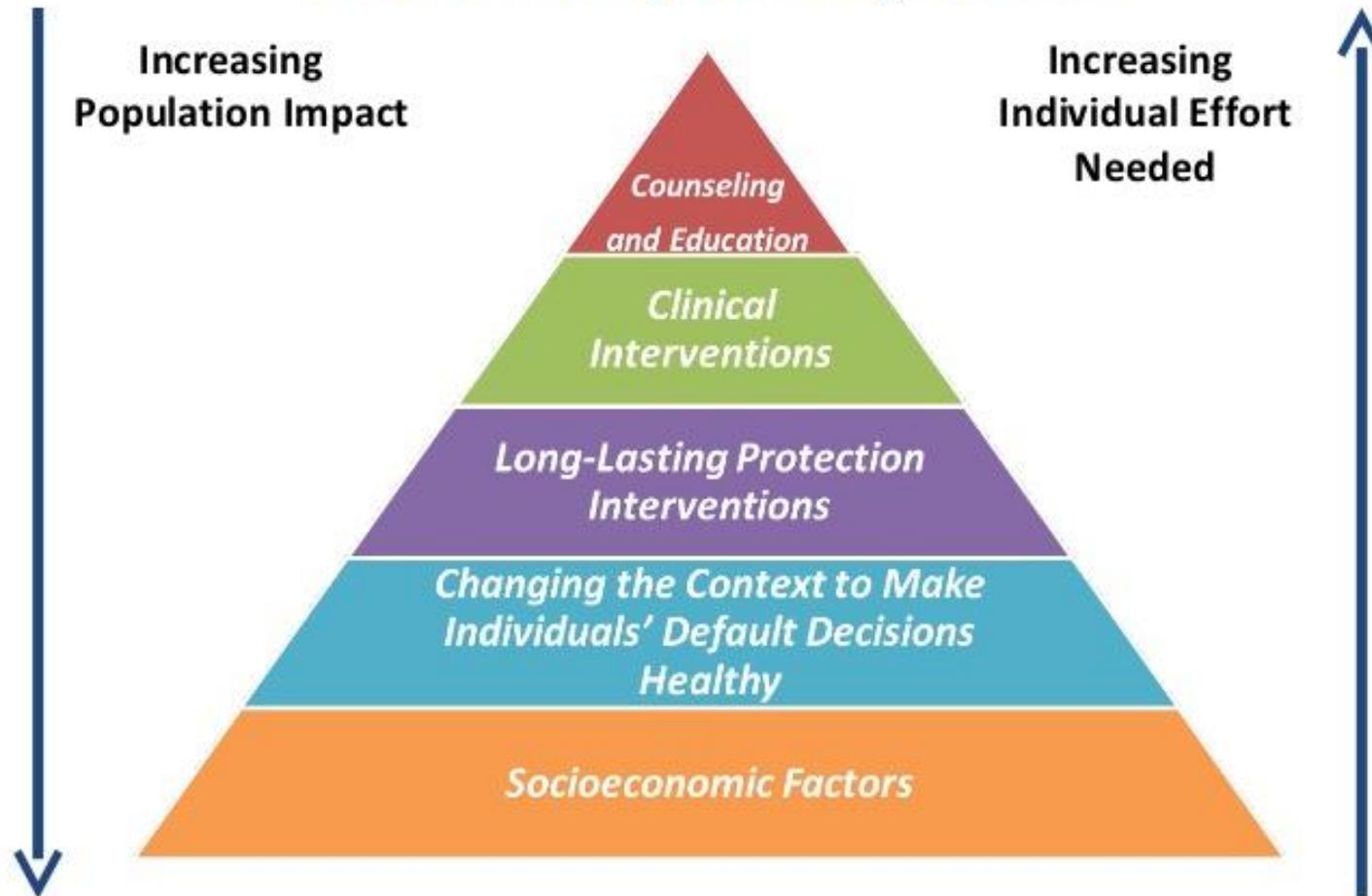


Many Things Affect Our Health



“Making the healthy choice the easy choice.”

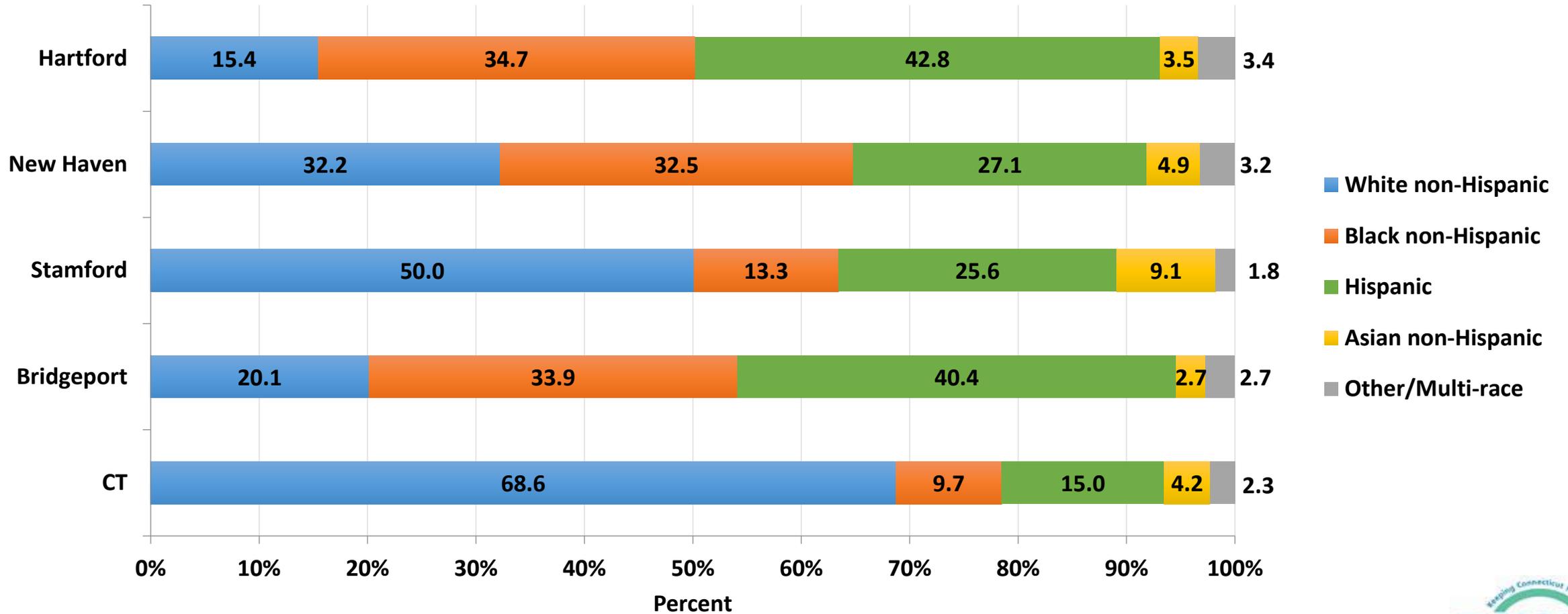
Health Impact Pyramid



Frieden T. American Journal of Public Health | April 2010, Vol 100, No. 4

CONNECTICUT POPULATION CHARACTERISTICS

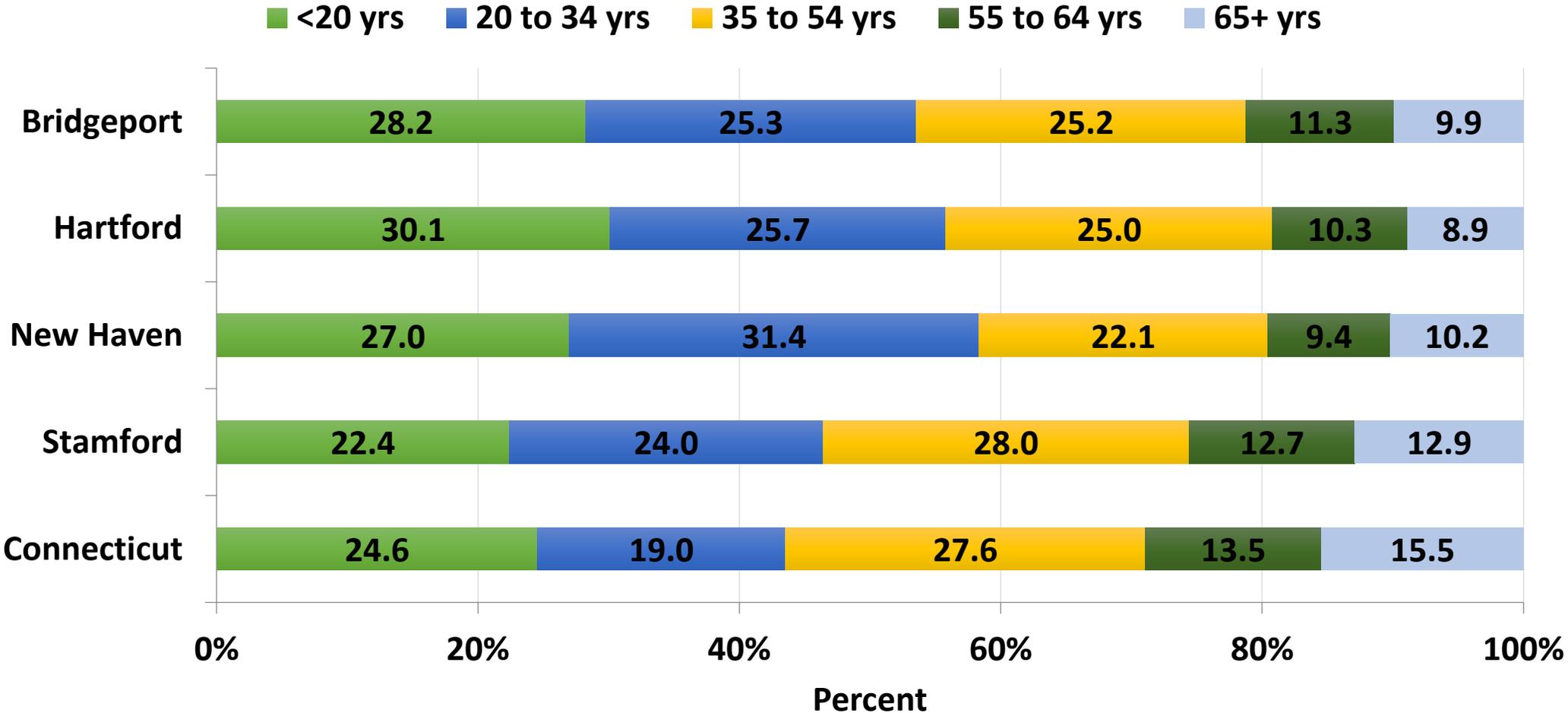
Percent of Population, by Race and Ethnicity, Connecticut and Its Largest Towns, 2014



Data Source: 2014 ACS, U.S. Census DP05 File (1-year estimates)



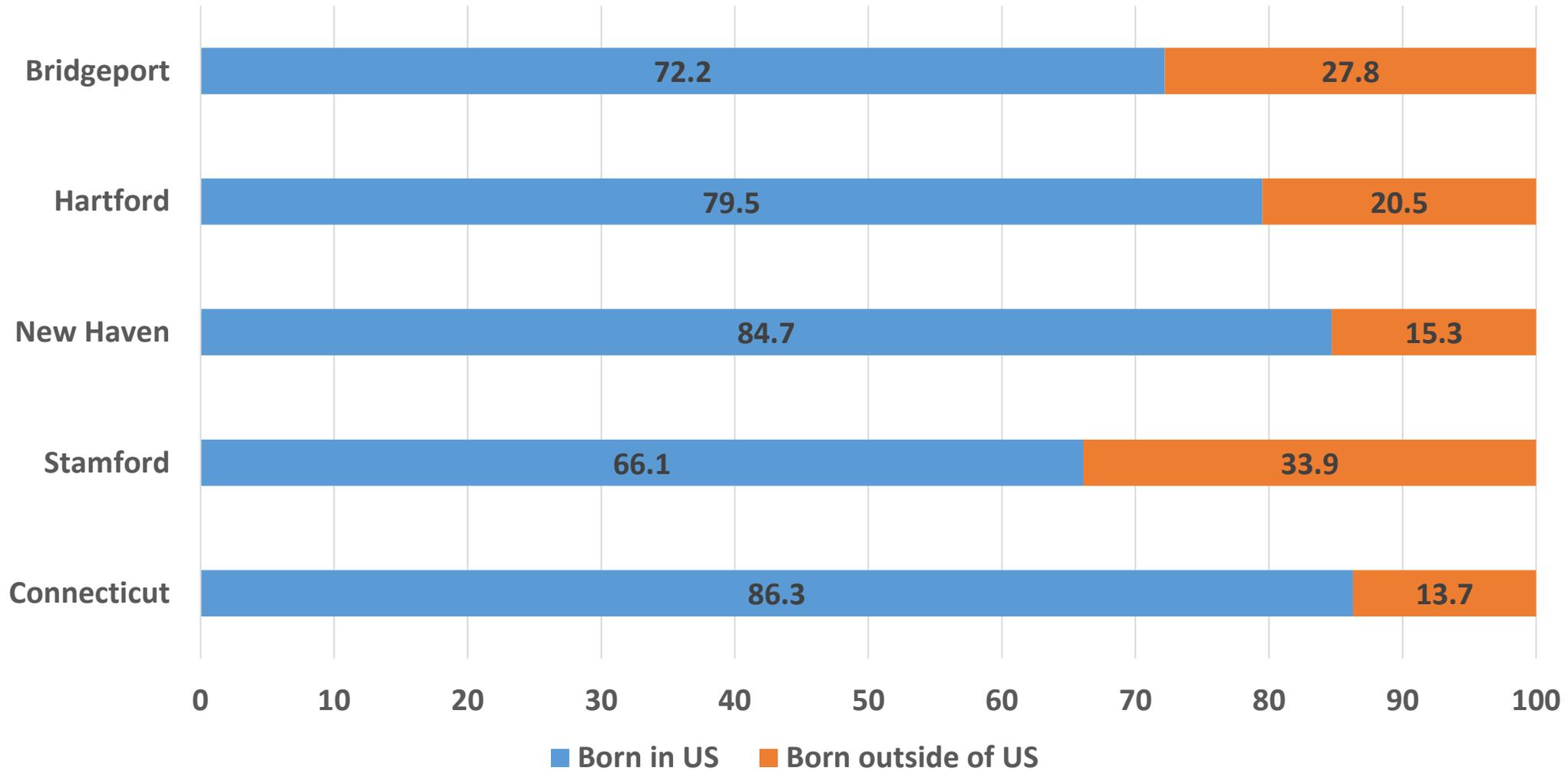
Percent of Population, by Age, Connecticut and Its Largest Towns, 2014



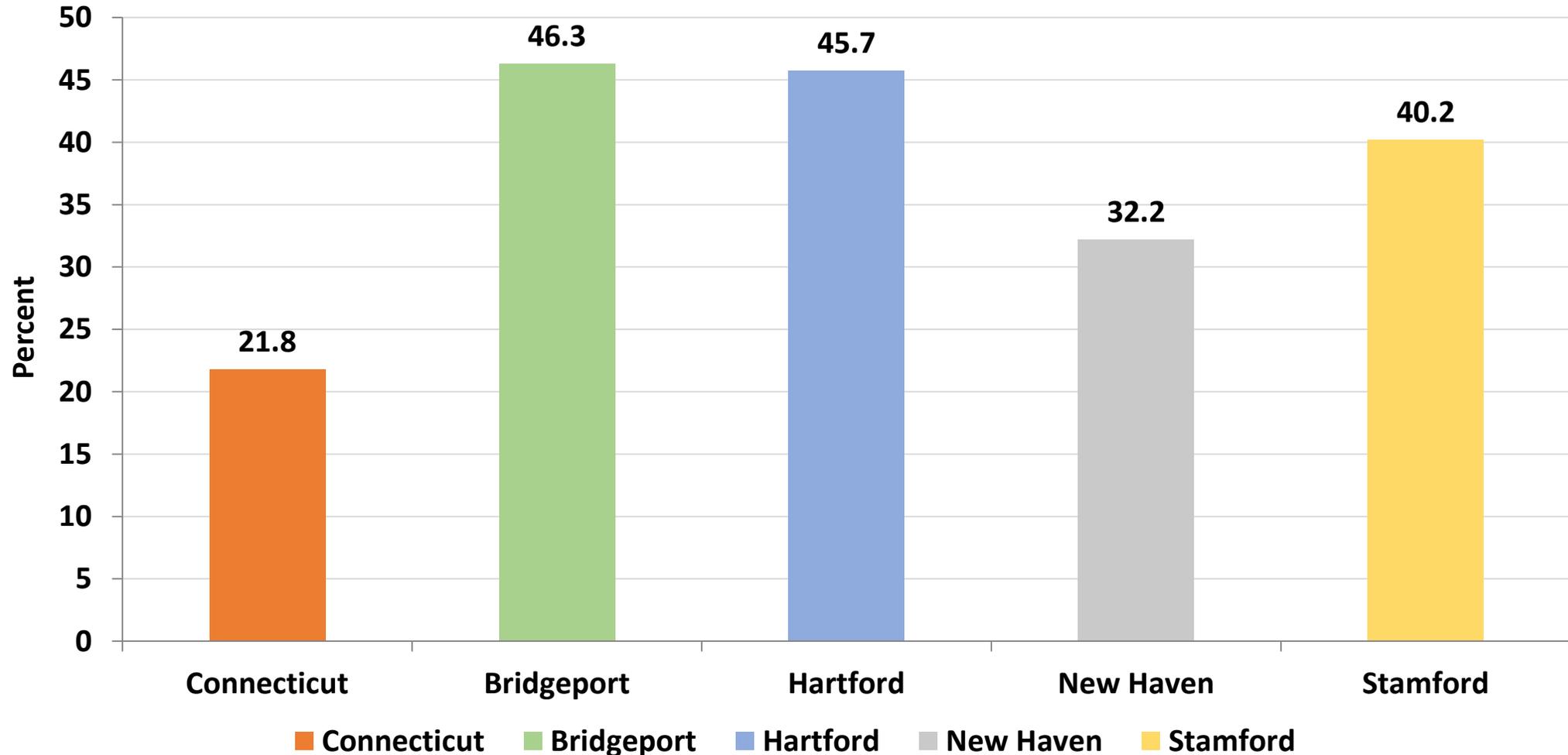
Data Source: 2014 ACS U.S. Census, DP05 File (1-year estimates)



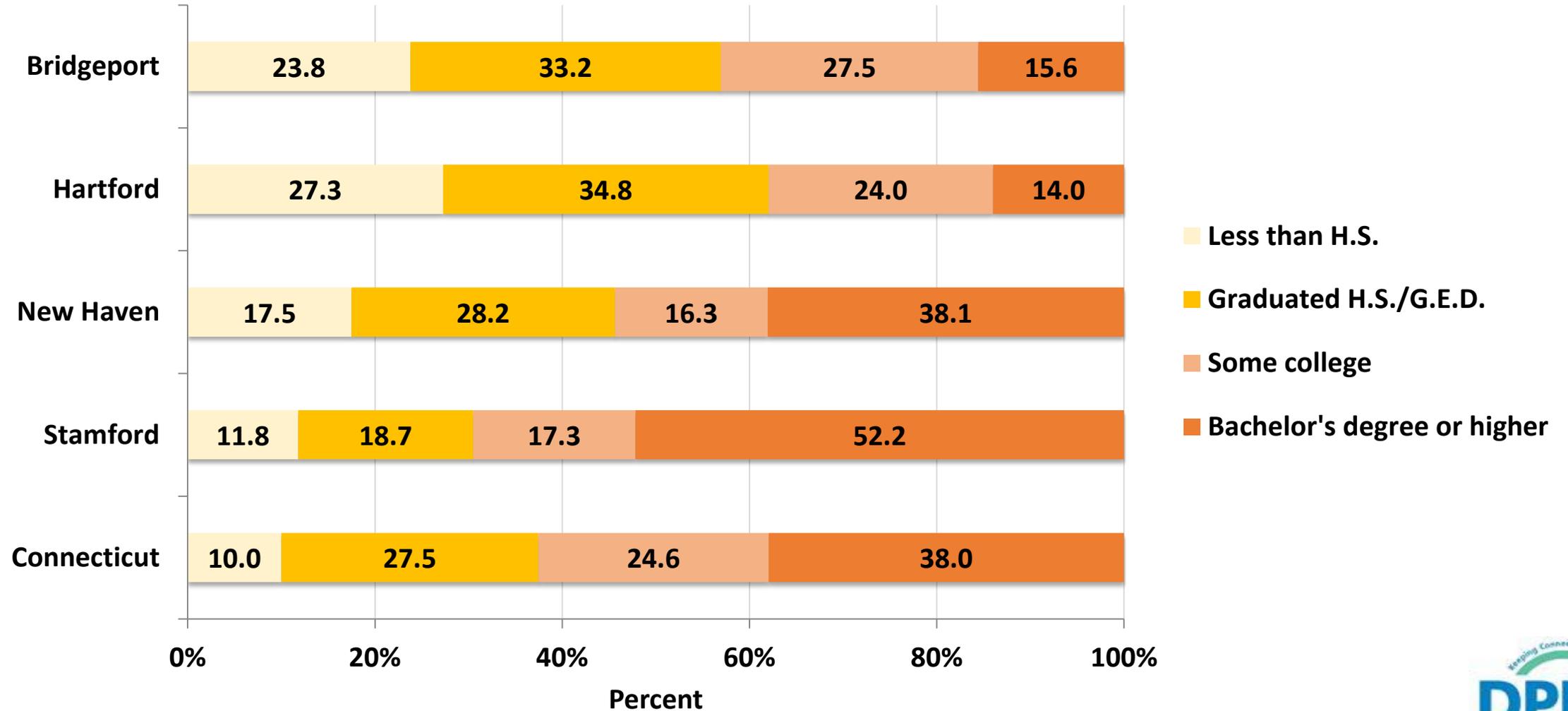
Percent of Population Born in the U.S. and Outside the U.S., Connecticut and Its Largest Towns, 2014



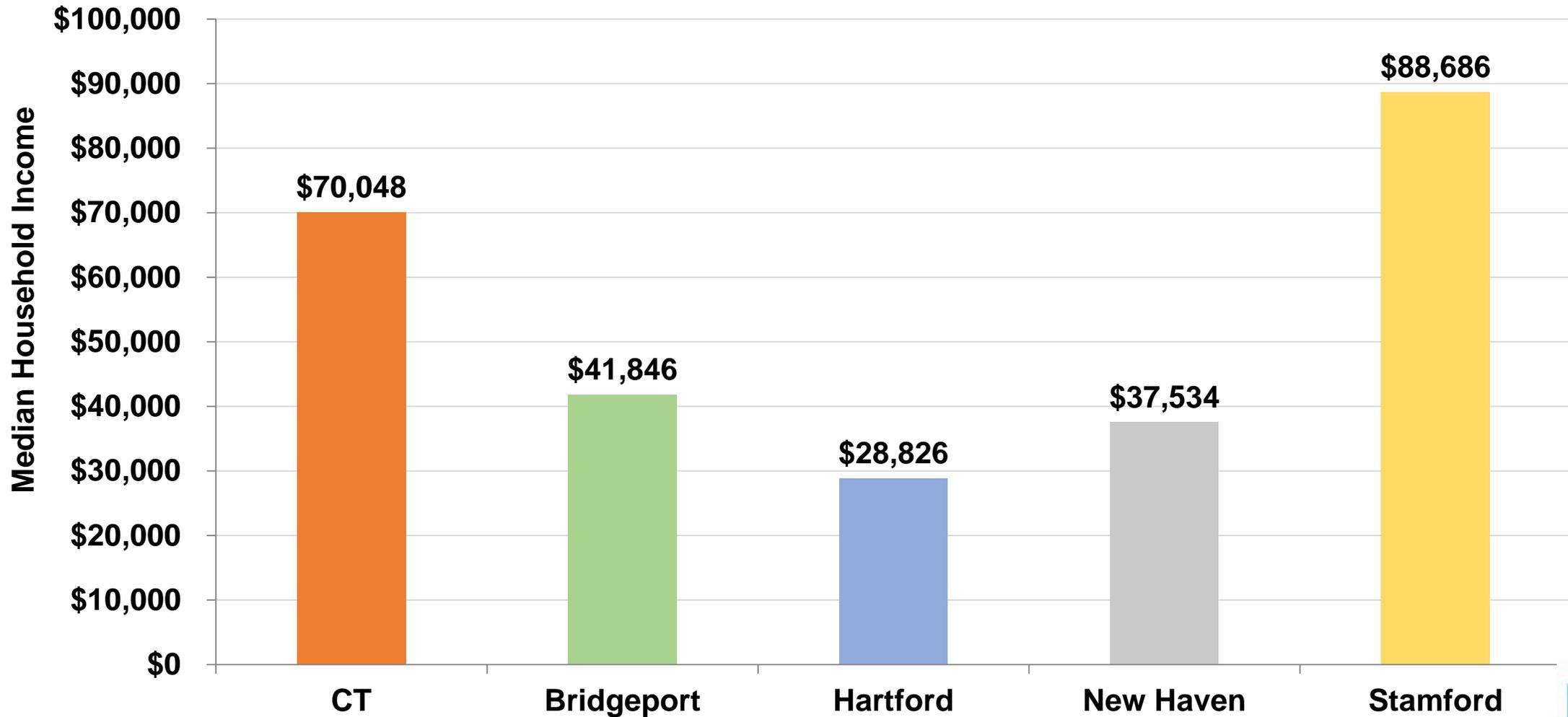
Percent of Population 5 years+ Who Speak a Language Other Than English at Home, 2014



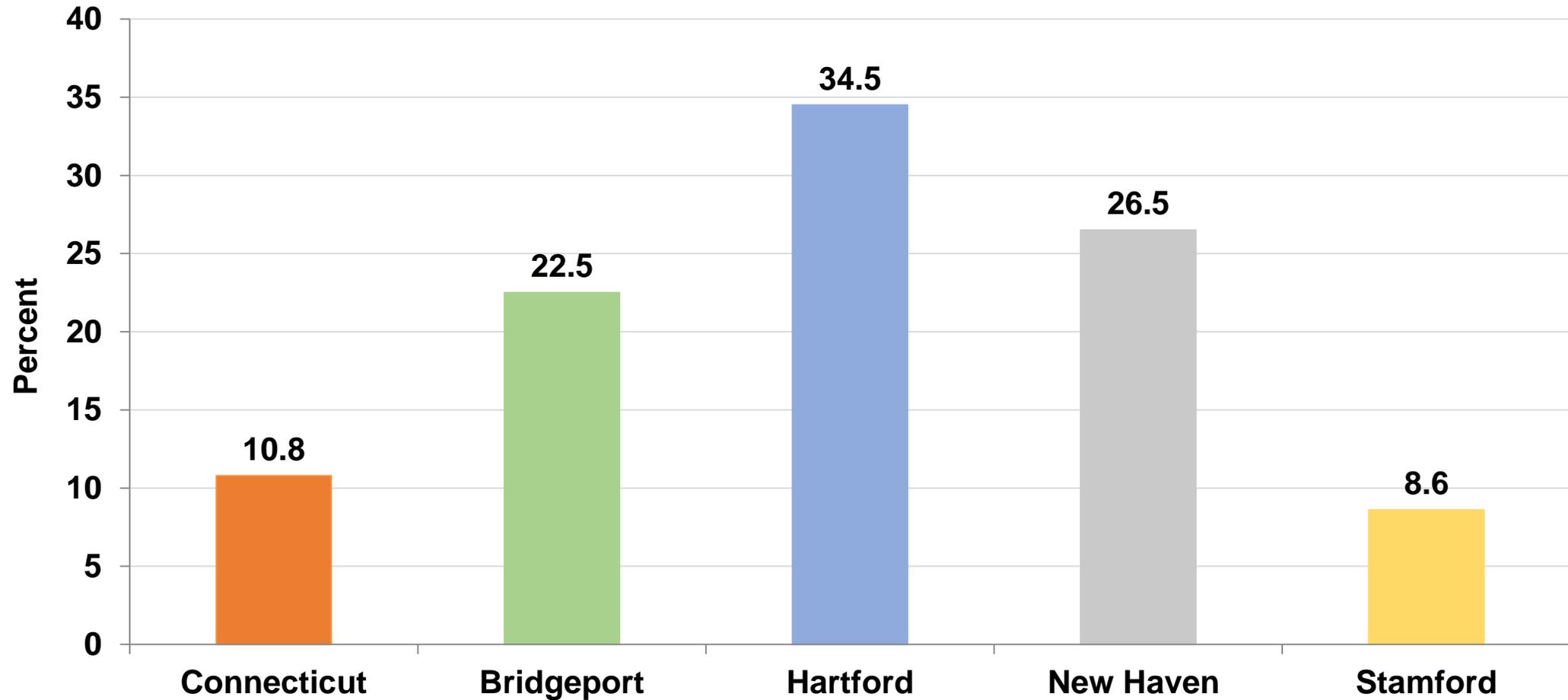
Percent of Population, by Educational Attainment, Connecticut and Its Largest Towns, 2012



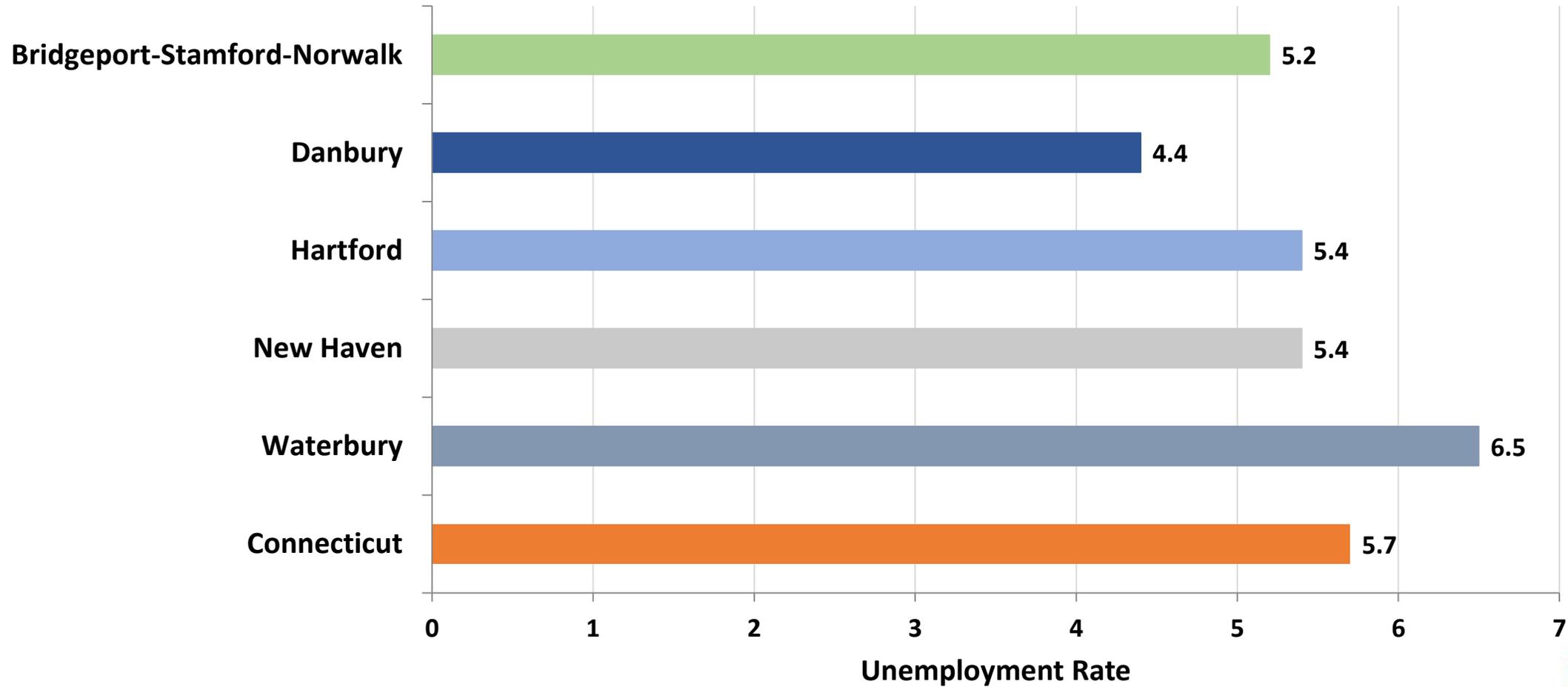
Median Household Income, Connecticut and Its Largest Towns, 2014



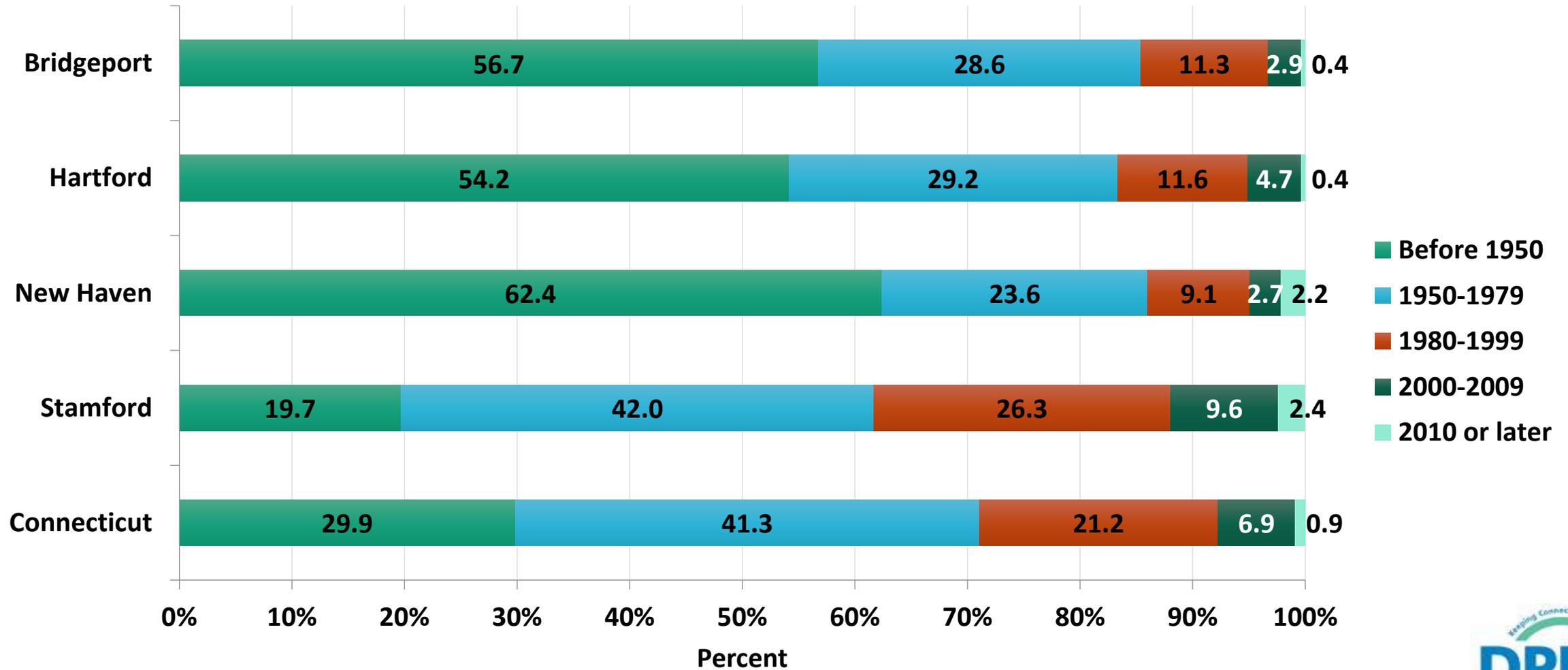
Percent of Individuals Below Poverty Level, Connecticut and Its Largest Towns, 2014



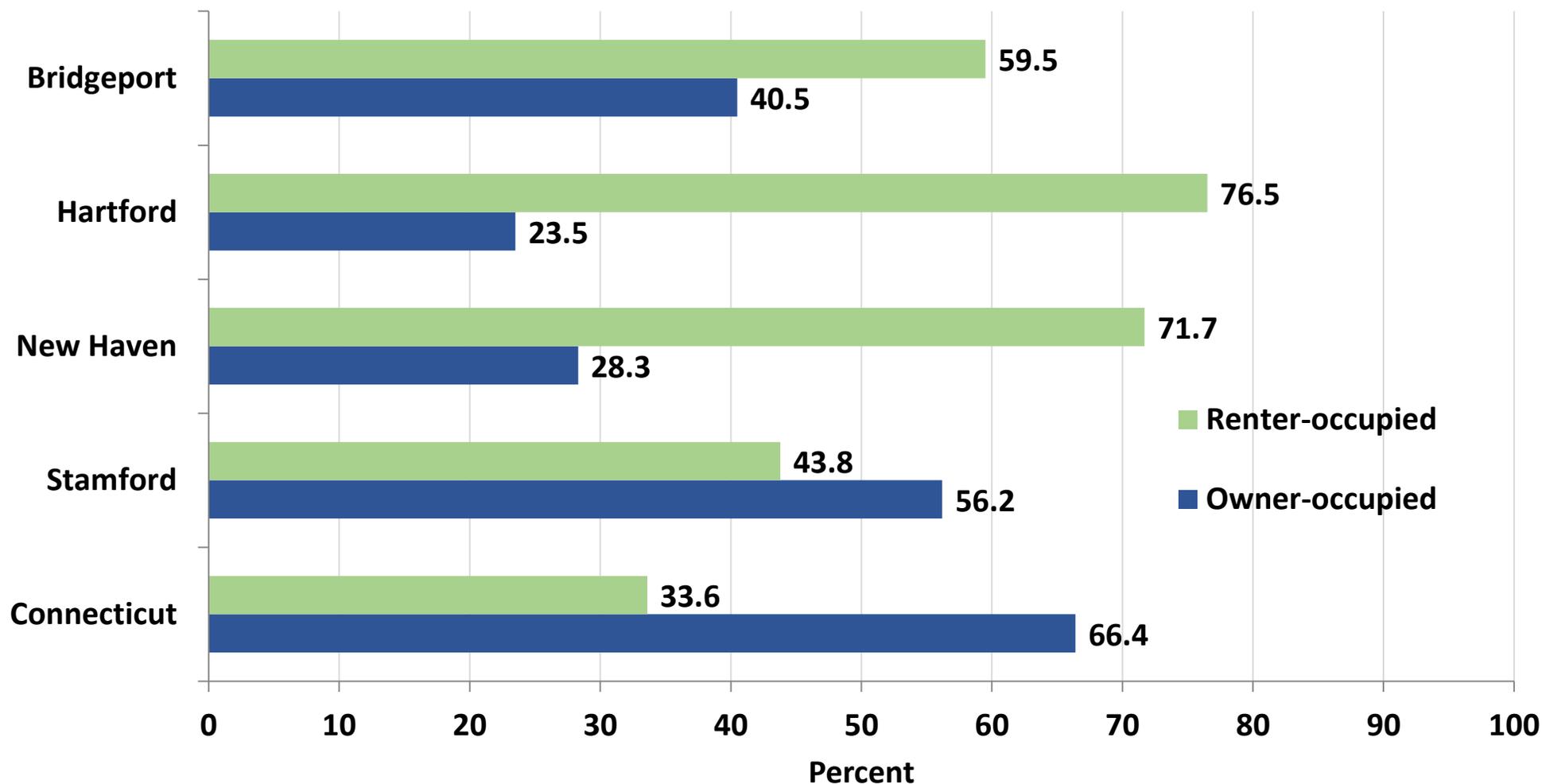
Rate of Unemployment, Connecticut and Metropolitan Areas, 2016



Percent of Housing, by Year of Construction, Connecticut and Its Largest Towns, 2014



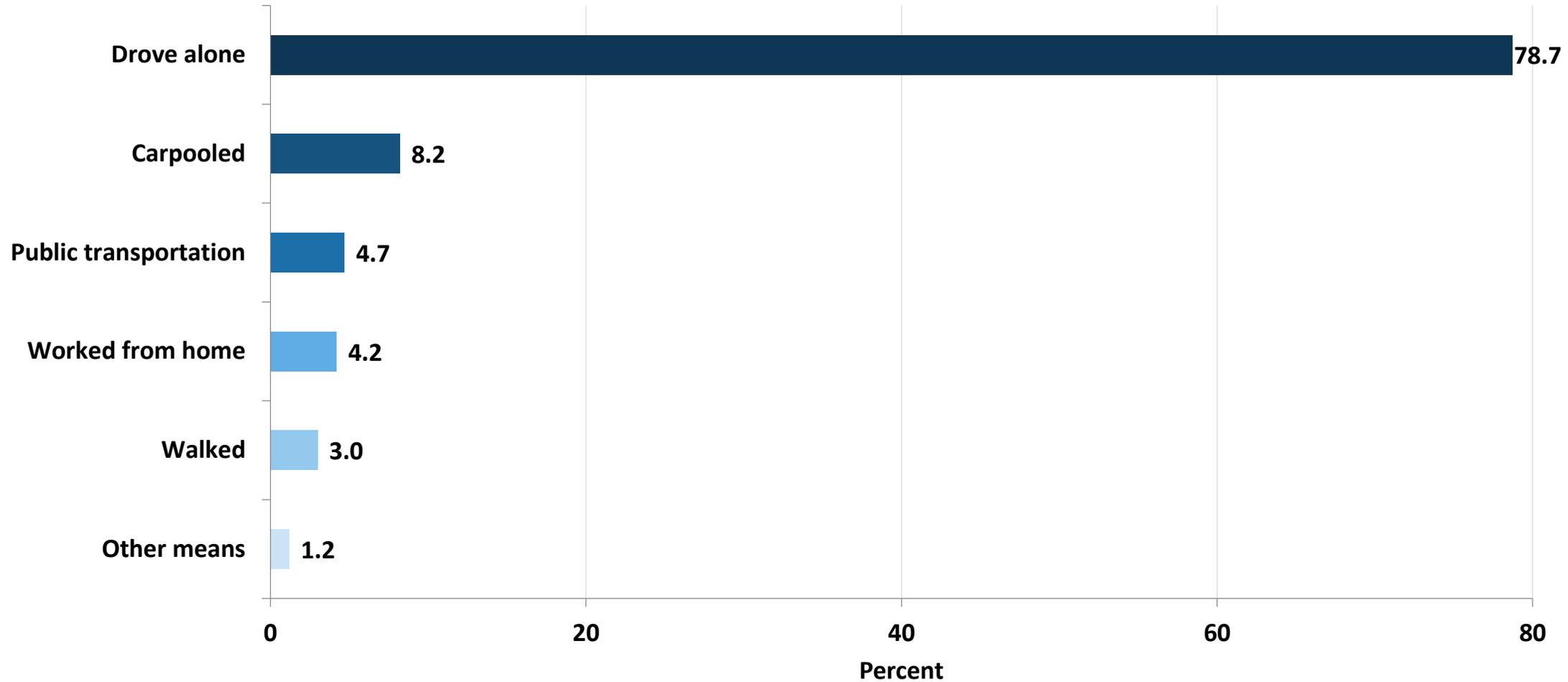
Percent of Houses That are Owner-Occupied or Renter-Occupied, Connecticut and Its Largest Towns, 2014



Data Source: US Census Bureau, 2014 CP04 File, 1-year estimates



Means of Transportation for Persons 16 Years or Older Who Commuted to Work, Connecticut, 2014



CHRONIC DISEASE PREVENTION AND CONTROL

Preliminary Cost Data

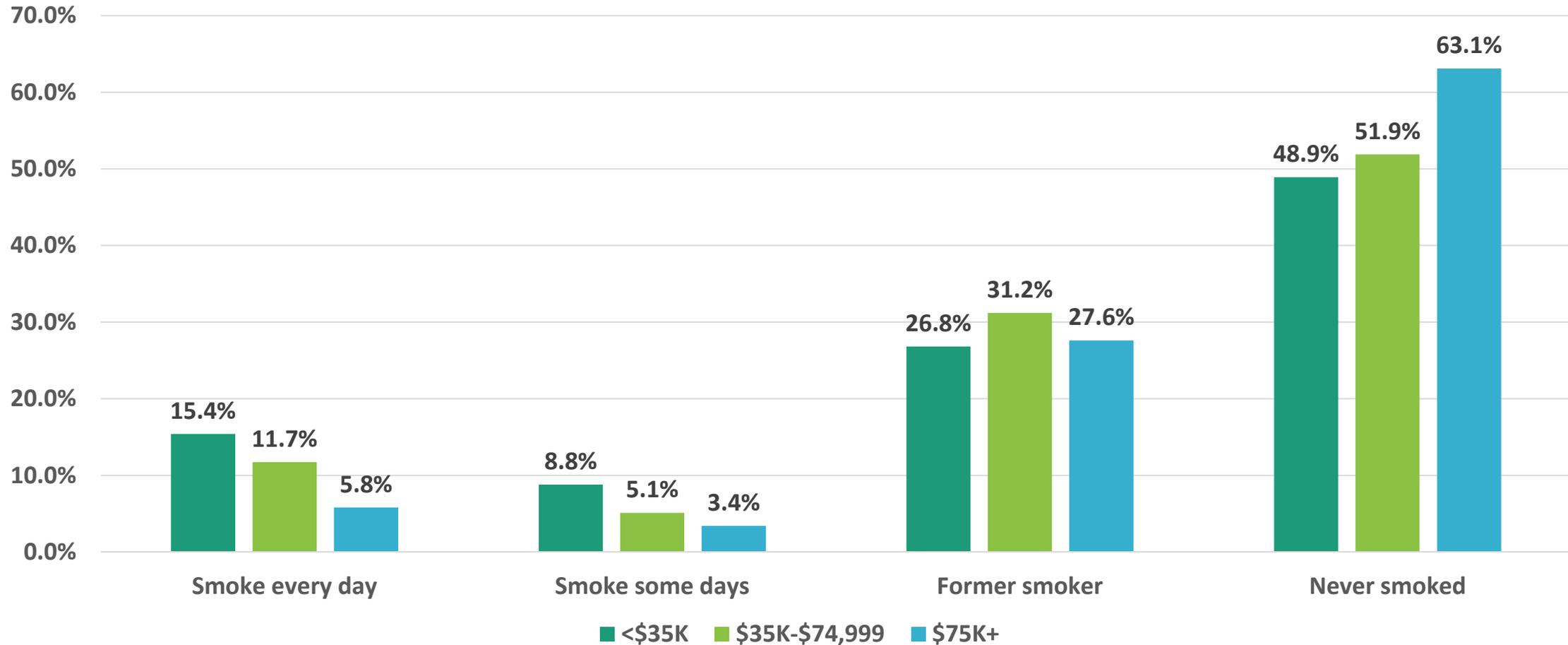
Table 1: Annual Estimates of Six High Cost, High Burden Conditions in Connecticut				
Condition (per CDC 6.18 Initiative)	CDC National Estimate (annual)	CT Calculated Annual Estimate*	Year	Brief Description
Smoking	\$300 Billion	\$3 Billion	2014	Includes direct healthcare costs and loss of productivity.
Blood Pressure	\$42.8 Billion	\$428 Million	2011	Includes direct healthcare costs for hypertension only (not CVD, stroke etc.)
Healthcare Associated Infection	\$28.4- 45 Billion	\$284-450 Million	2011	Includes direct healthcare costs only
Asthma	\$56 Billion	\$560 Million	2007	Includes direct healthcare costs only
Unplanned Pregnancy	\$21 Billion	\$210 Million	2010	Includes direct health care costs only
Diabetes	\$245 Billion	\$2.44 Billion	2012	Includes direct and indirect healthcare costs

Data Source: CDC 6/18 Initiative

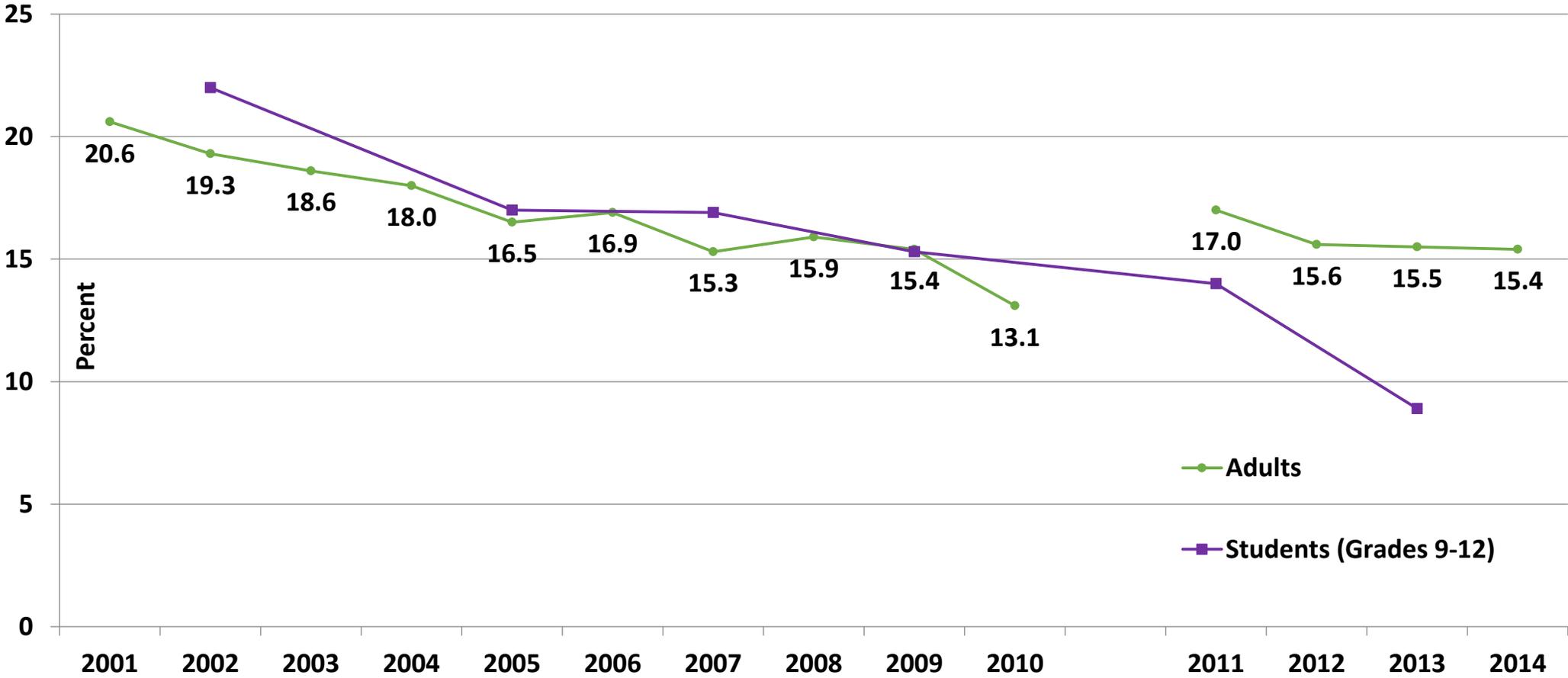
* Calculation method: CDC National Estimate X 0.01, 0.01 is the CT proportion of the U.S. population (rounded to 100ths)



Cigarette Smoker Status, by Annual Household Income, Connecticut, 2014

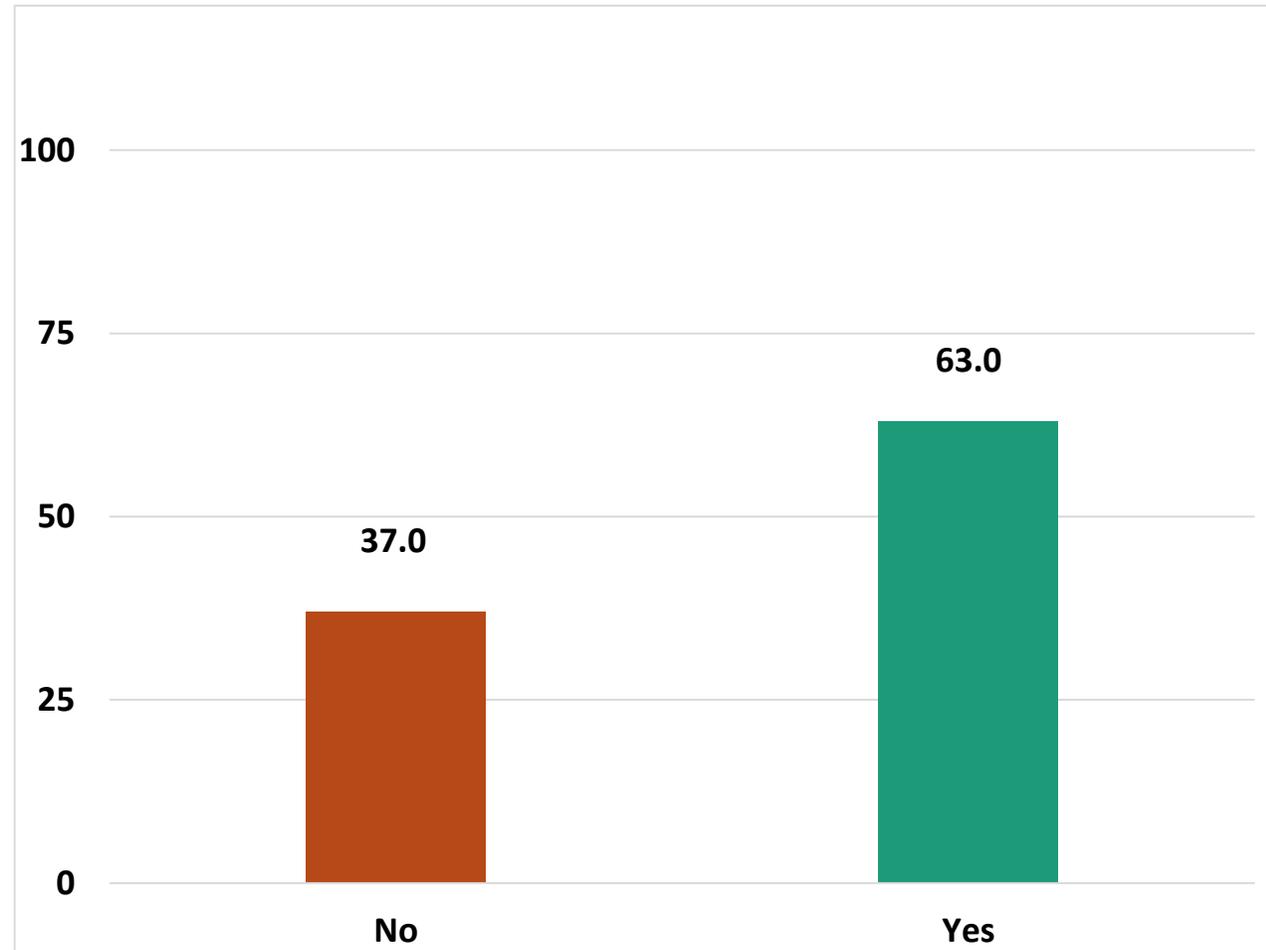


Percent of Current Cigarette Smokers Among Youth and Adults, Connecticut, 2001-2014

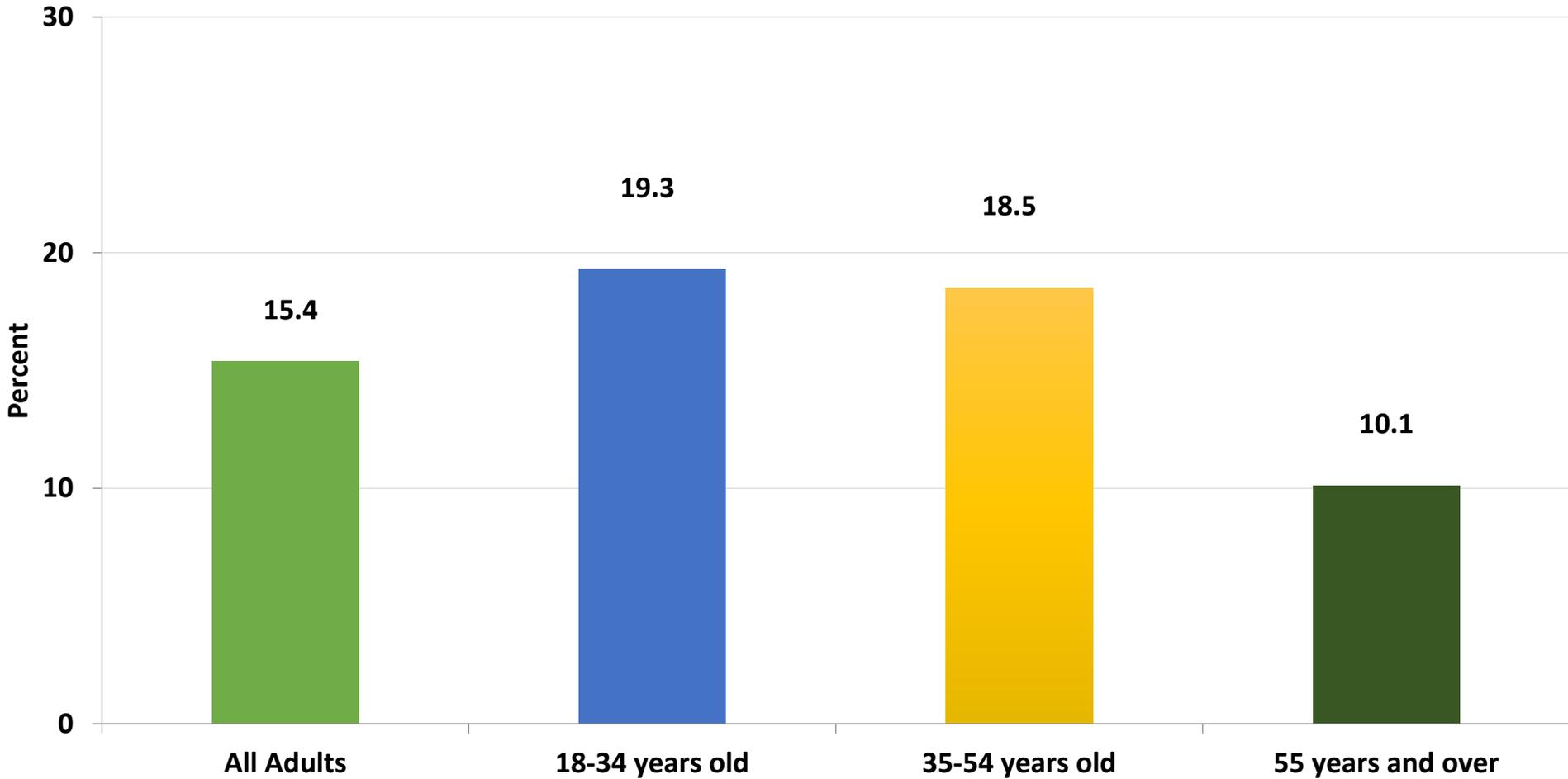


Data Source: BRFSS & CT Youth Tobacco Survey 2001 - 2014

Percent of Adult Smokers Who Made a Quit Attempt in the Past Year, Connecticut, 2014



Age-specific Prevalence of Adults Who Currently Smoke Cigarettes in Connecticut, 2014



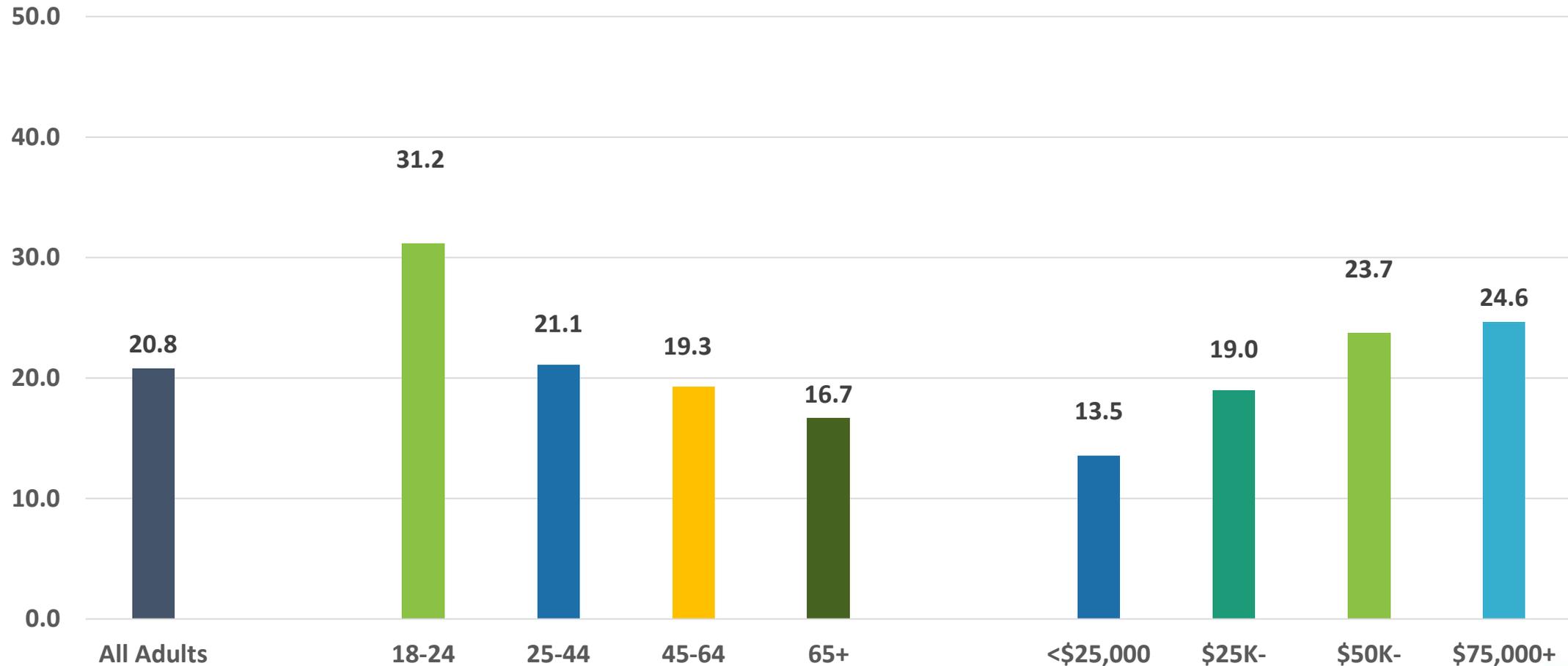
Data Source: CT DPH, http://www.ct.gov/dph/lib/dph/hisr/pdf/brfss2014_ct_report.pdf, 2016



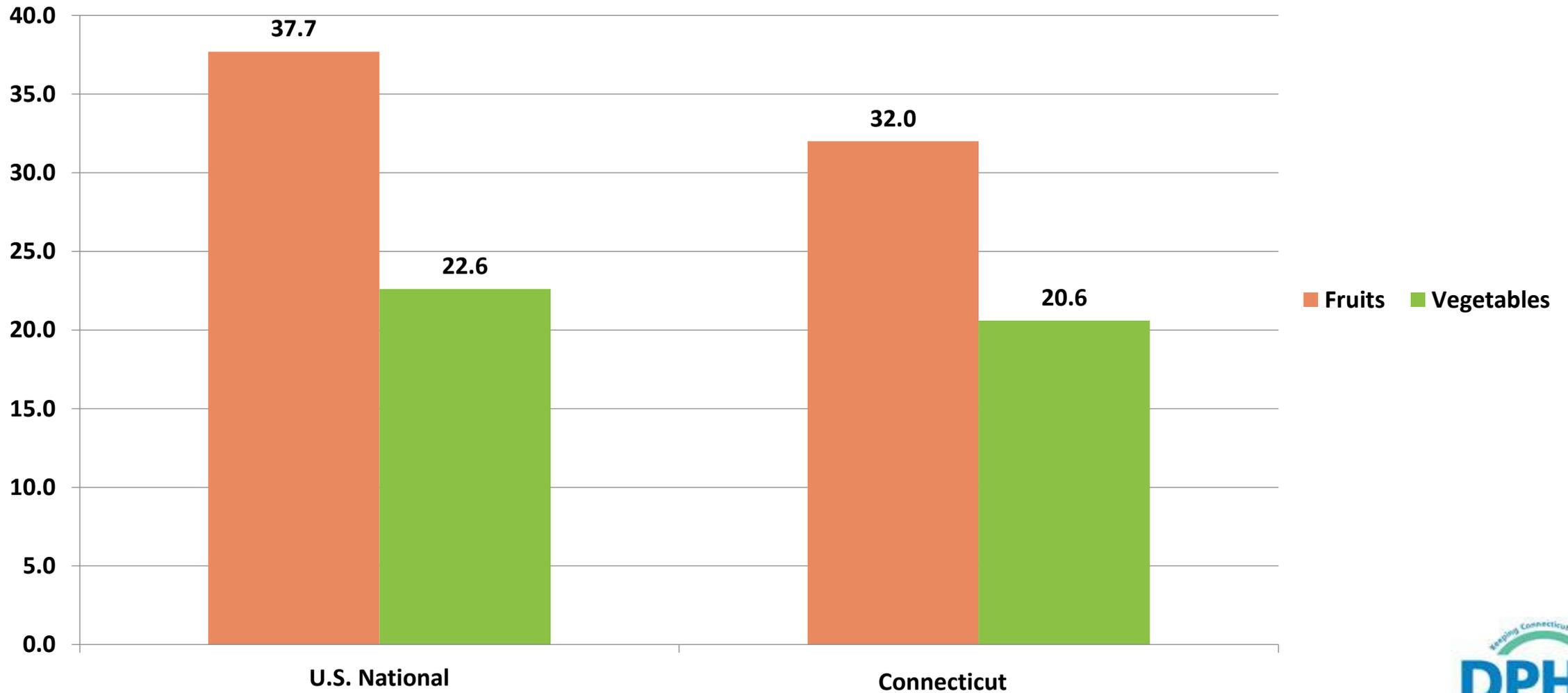
Percent of Adults Ever Told They Have COPD, Emphysema or Chronic Bronchitis, by Income, Connecticut, 2014



Adults Participating in Enough Aerobic and Muscle Strengthening Exercises to Meet Guidelines, Connecticut, 2013



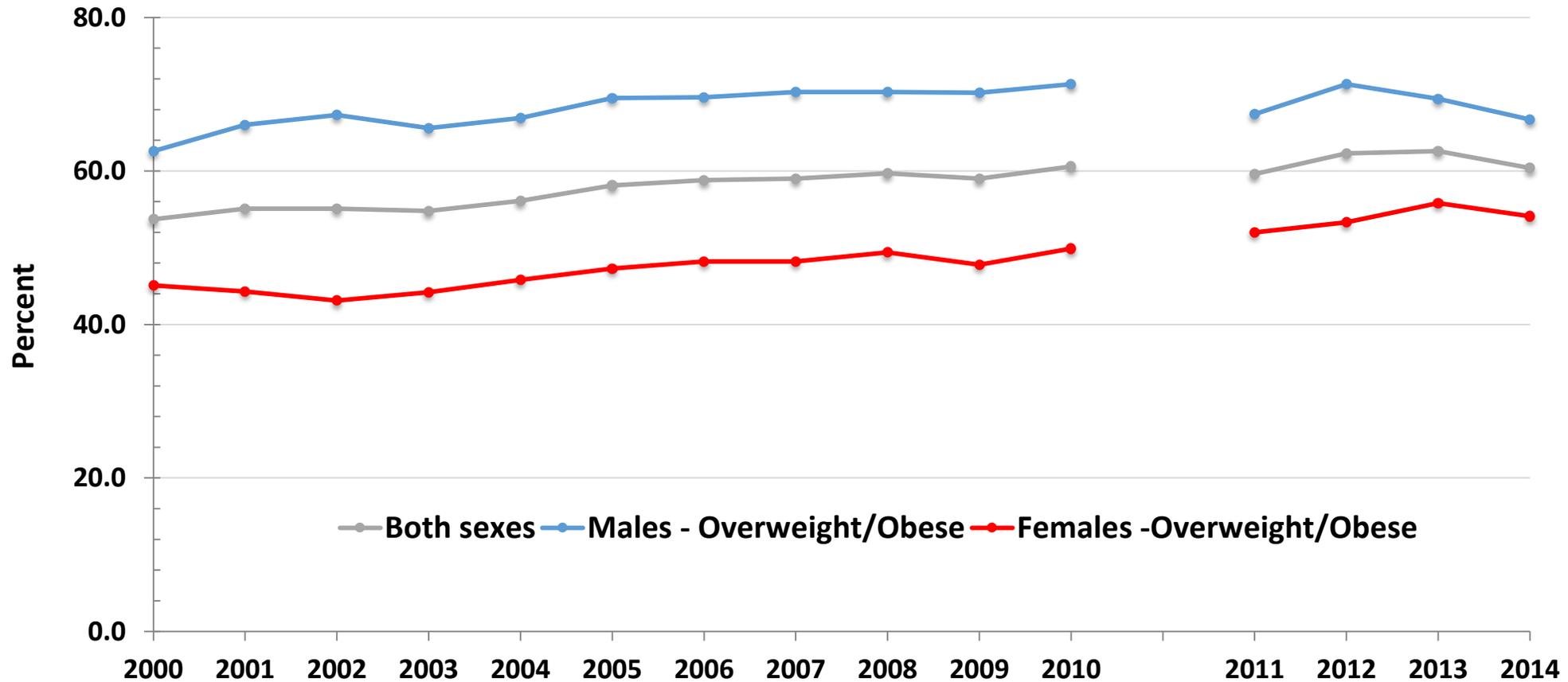
Percent of Adults Who Consume Fruits and Vegetables Less Than Once Daily, Connecticut, 2013



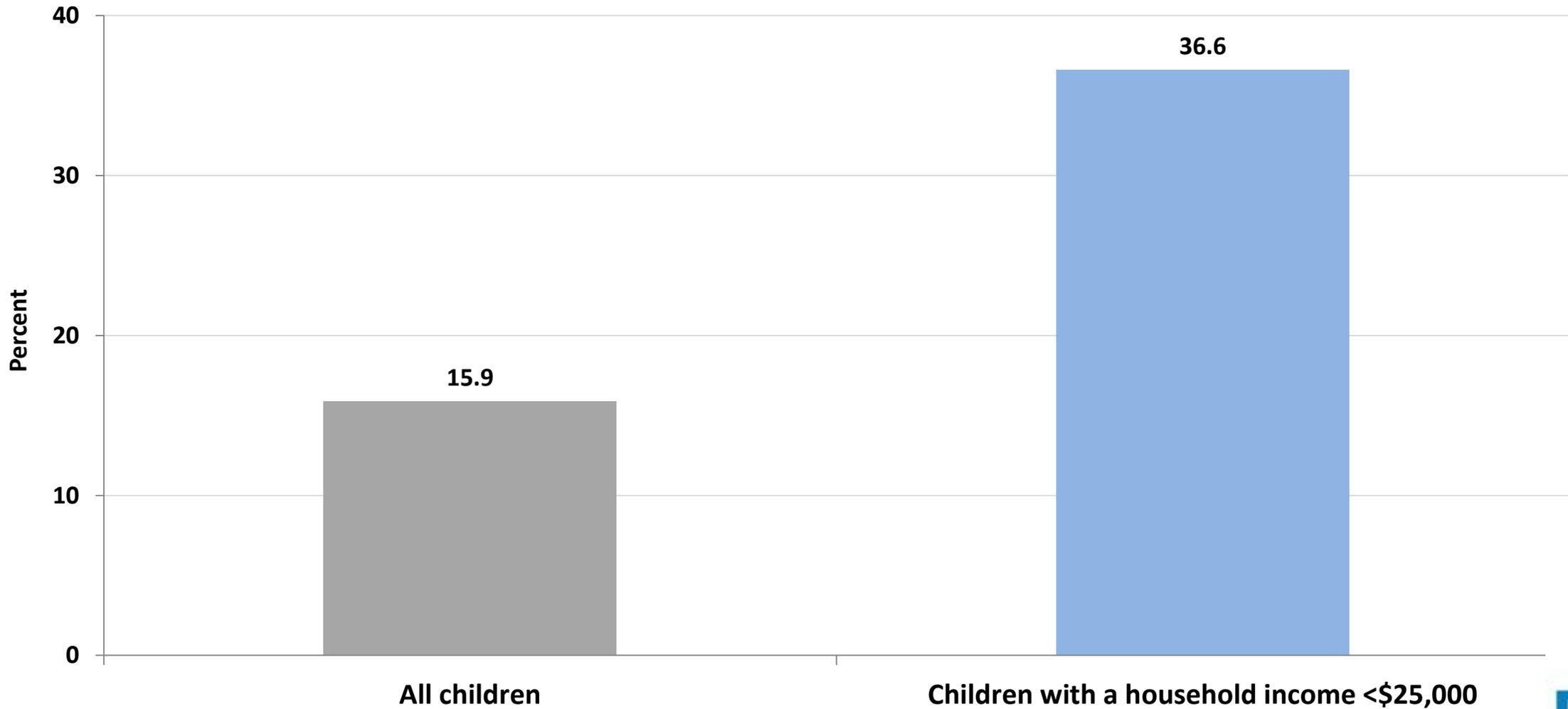
Low Income Census Tracts Considered “Food Deserts,” Connecticut, 2009-2013



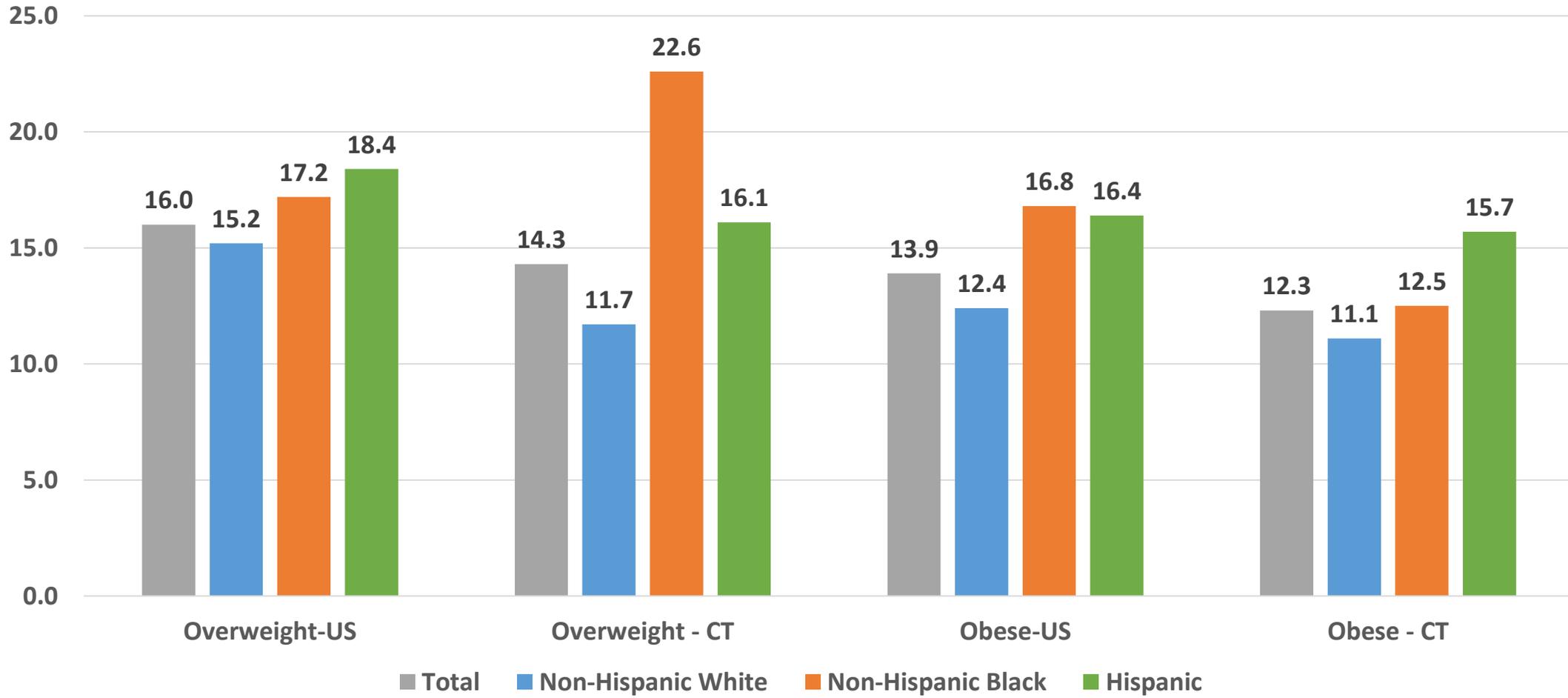
Percent of Overweight or Obese Adults, Connecticut, 2000-2014



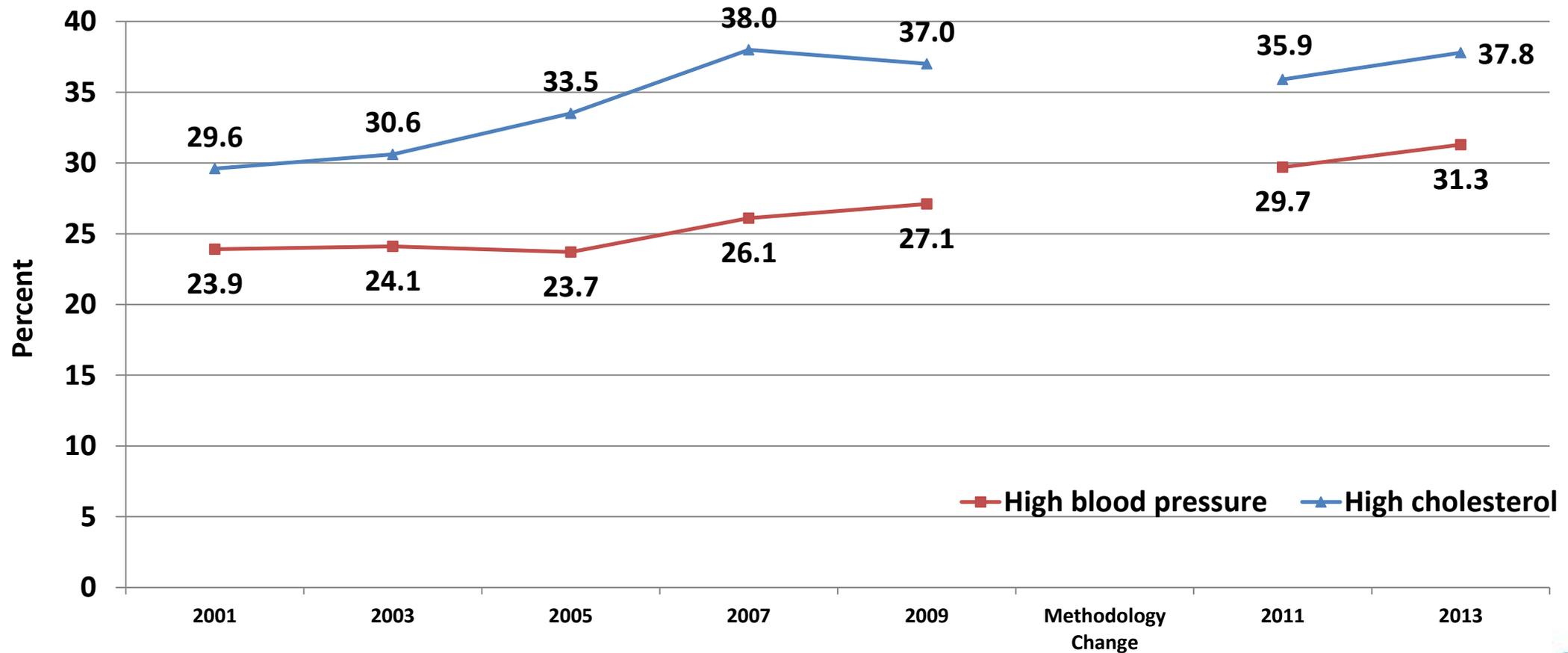
Percent of Children (5-12 Years of Age) Who Are Obese, Connecticut, 2008-2010 combined



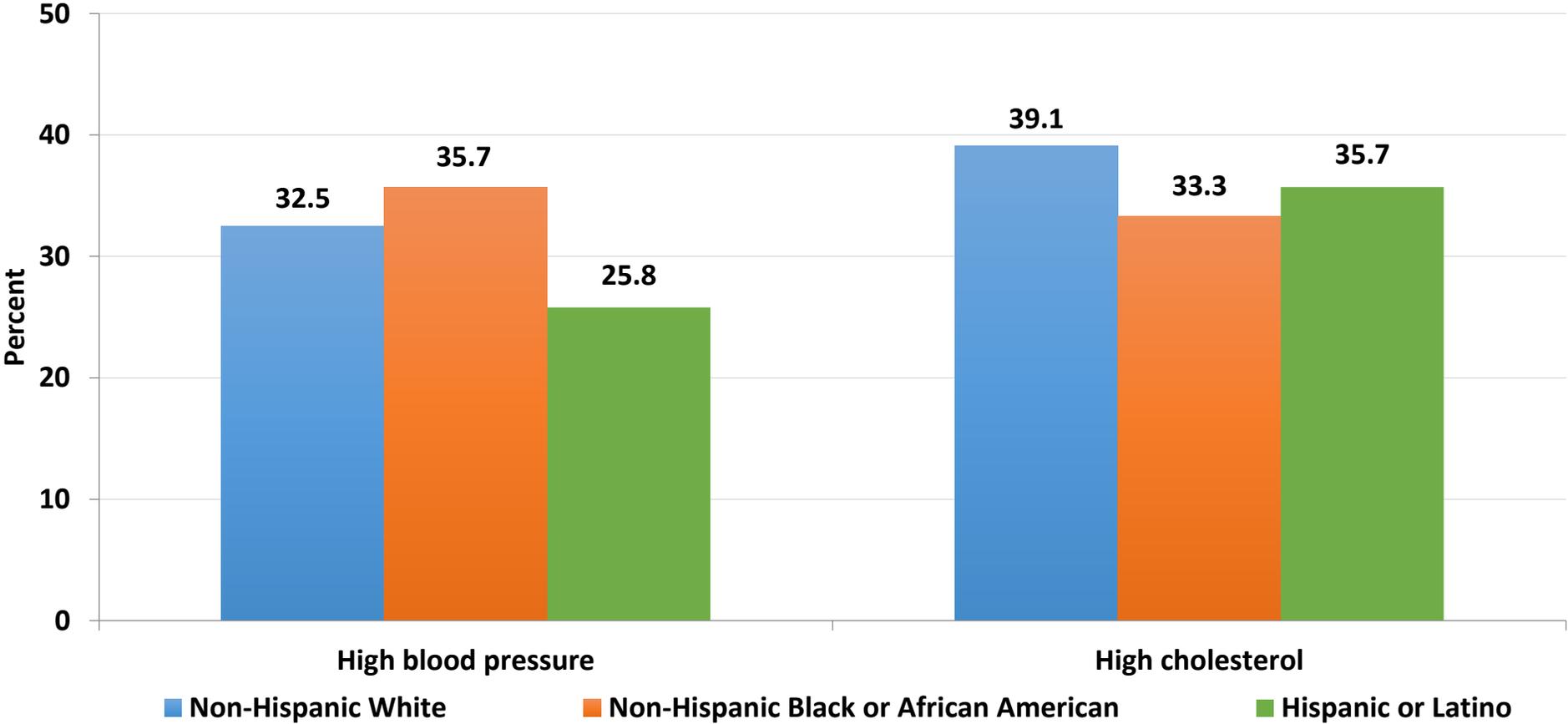
Youth (grades 9-12) Considered Overweight and Obese, by Race and Ethnicity, Connecticut & United States, 2015



Percent of Adults Ever Told by Provider They had High Blood Pressure or High Cholesterol, Connecticut, 2001-2013



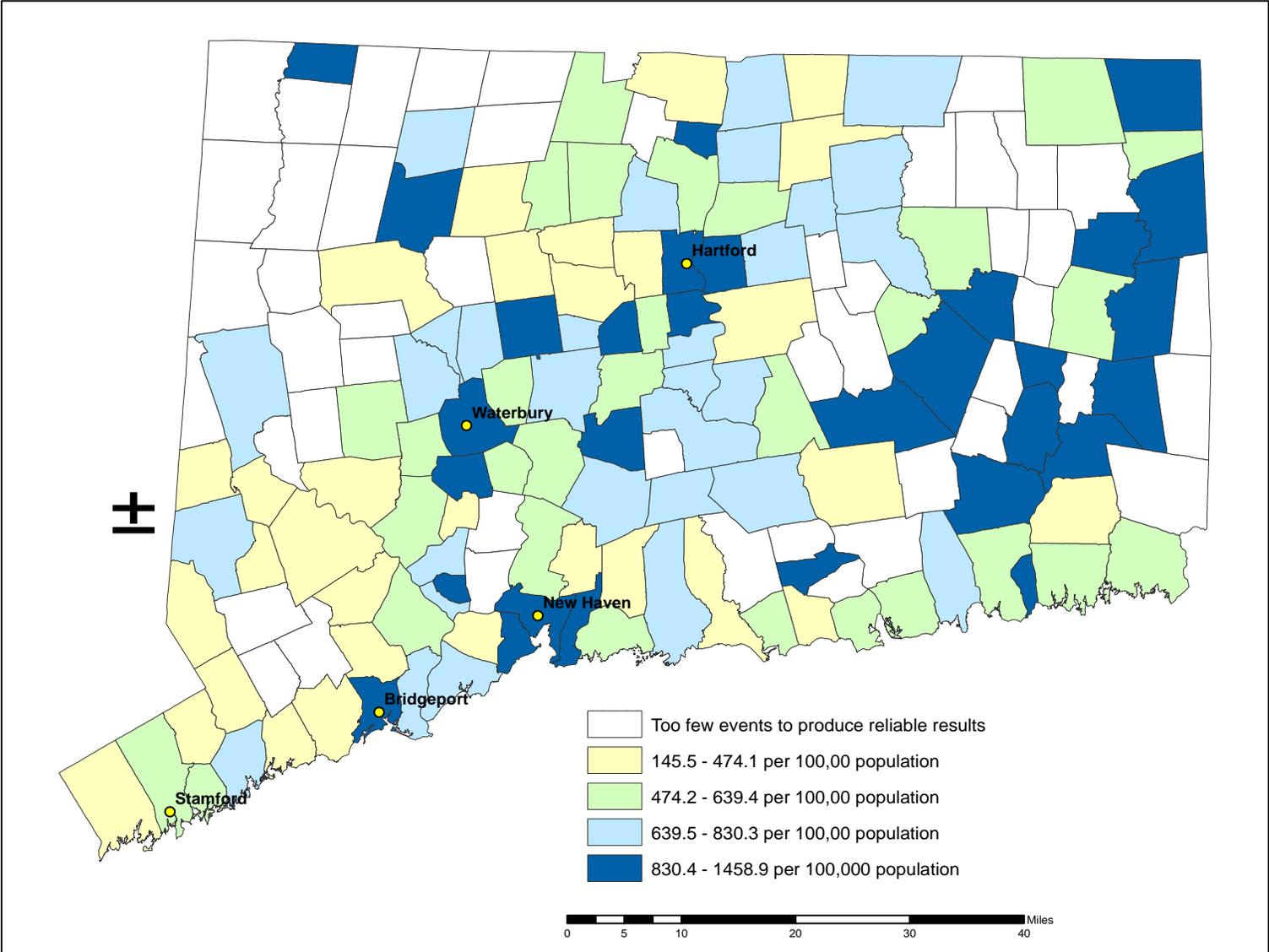
Percent of Adults Ever Told By a HealthCare Provider That They Had High Blood Pressure or High Cholesterol, by Race and Ethnicity, Connecticut, 2013



Data Source: CT DPH, http://www.ct.gov/dph/lib/dph/hisr/pdf/brfss2014_ct_report.pdf, 2016



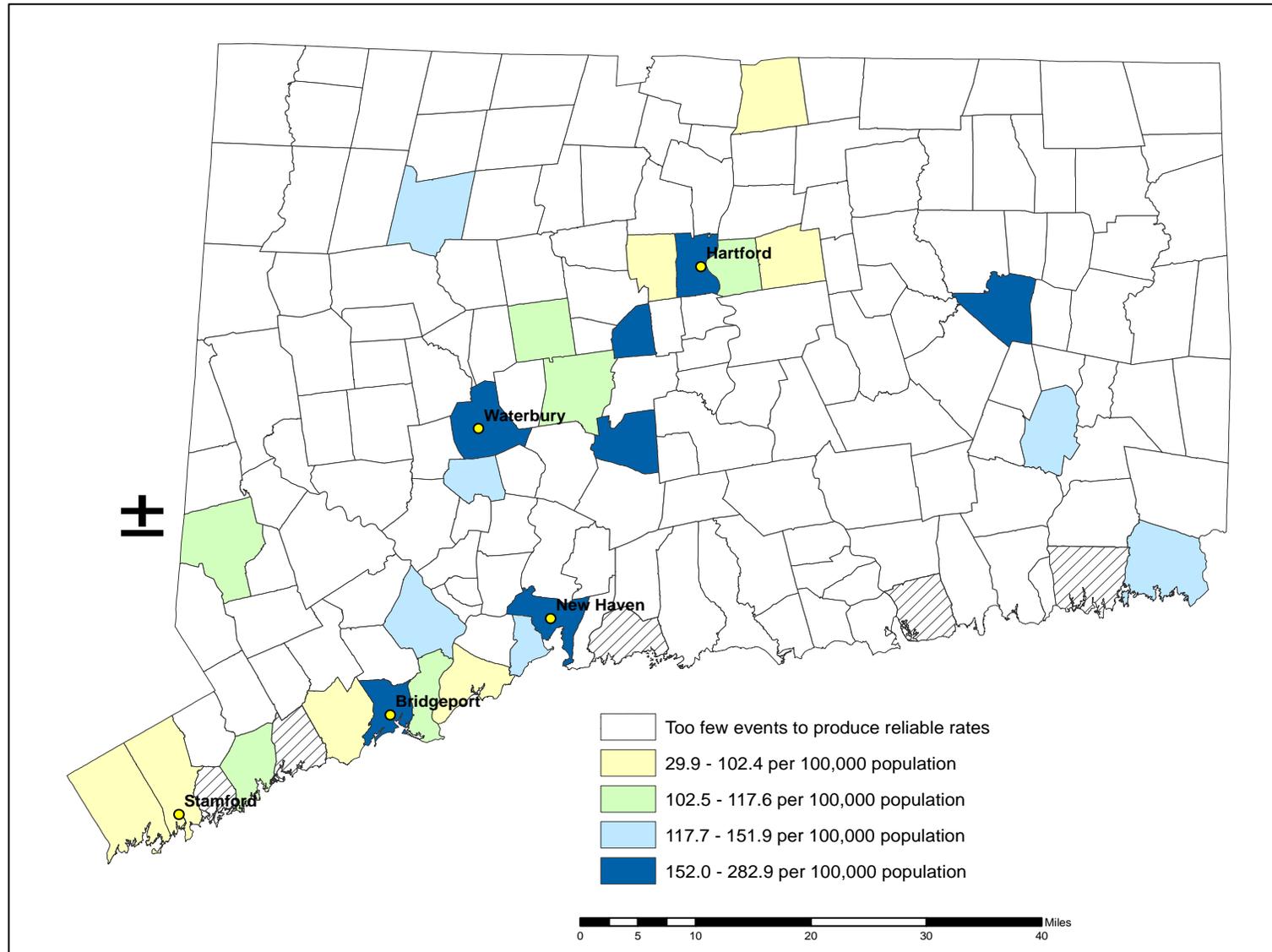
Premature Mortality Due to Heart Disease, Years of Potential Life Lost, Under Age 75, by Town, Connecticut, 2009-2013



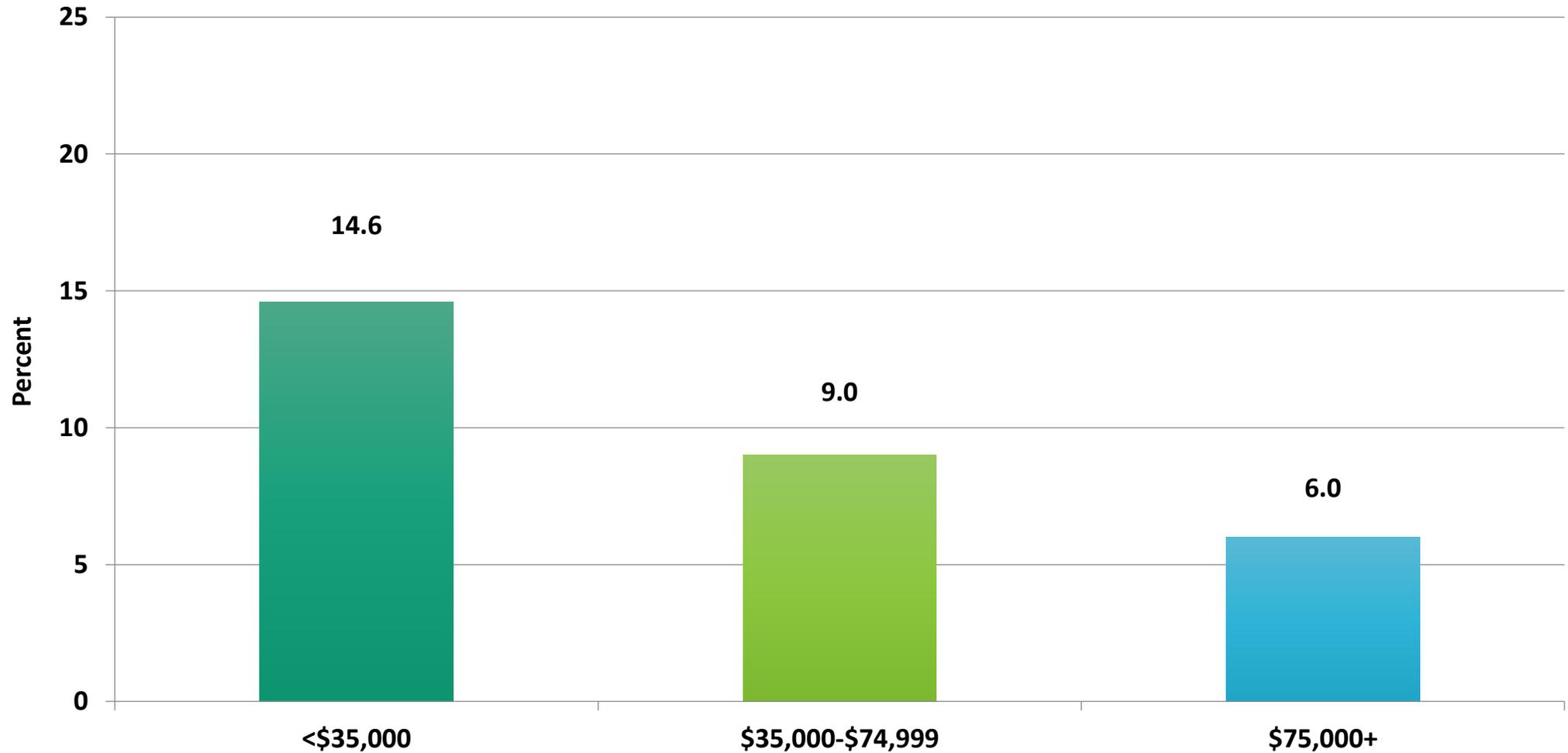
Data Source: CDPH Mortality Tables, YPLLreport_TownWithState_5yr_2009-2013



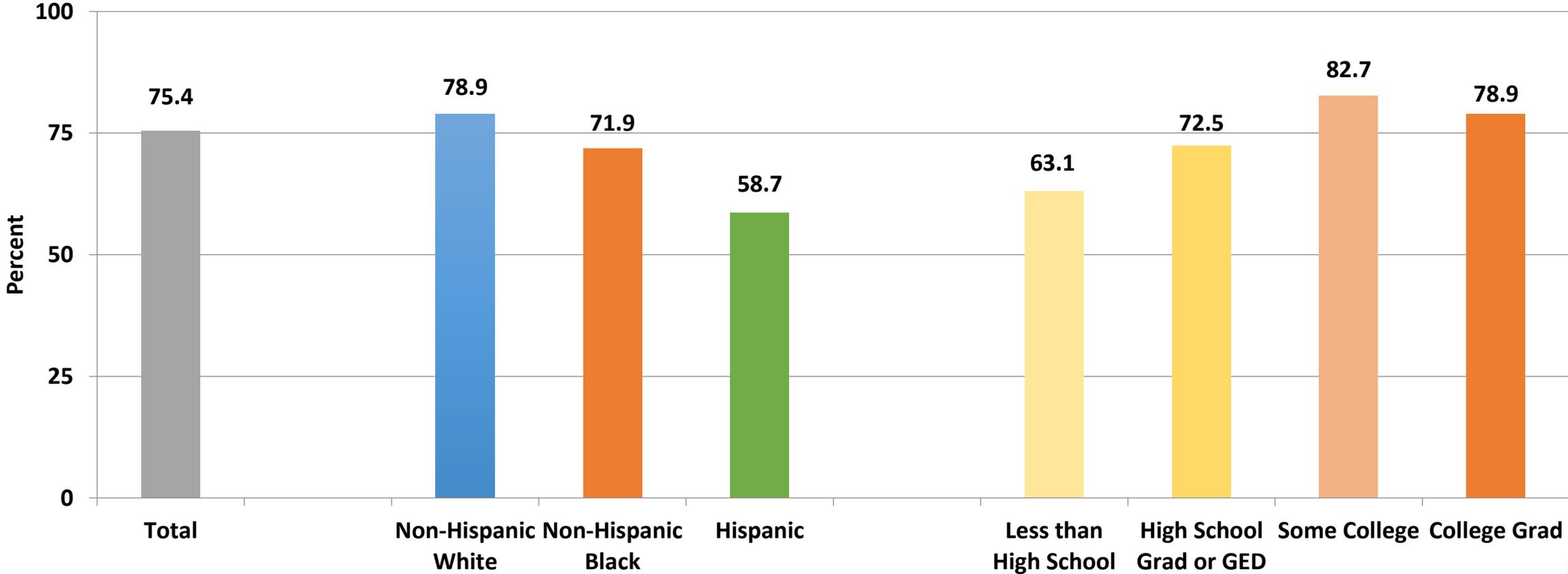
Premature Mortality Due to Stroke, Years of Potential Life Lost Under Age 75, by Town, Connecticut, 2009-2013



Percent of Adults Ever Told By a Provider That They Had Diabetes, by Income, Connecticut, 2014



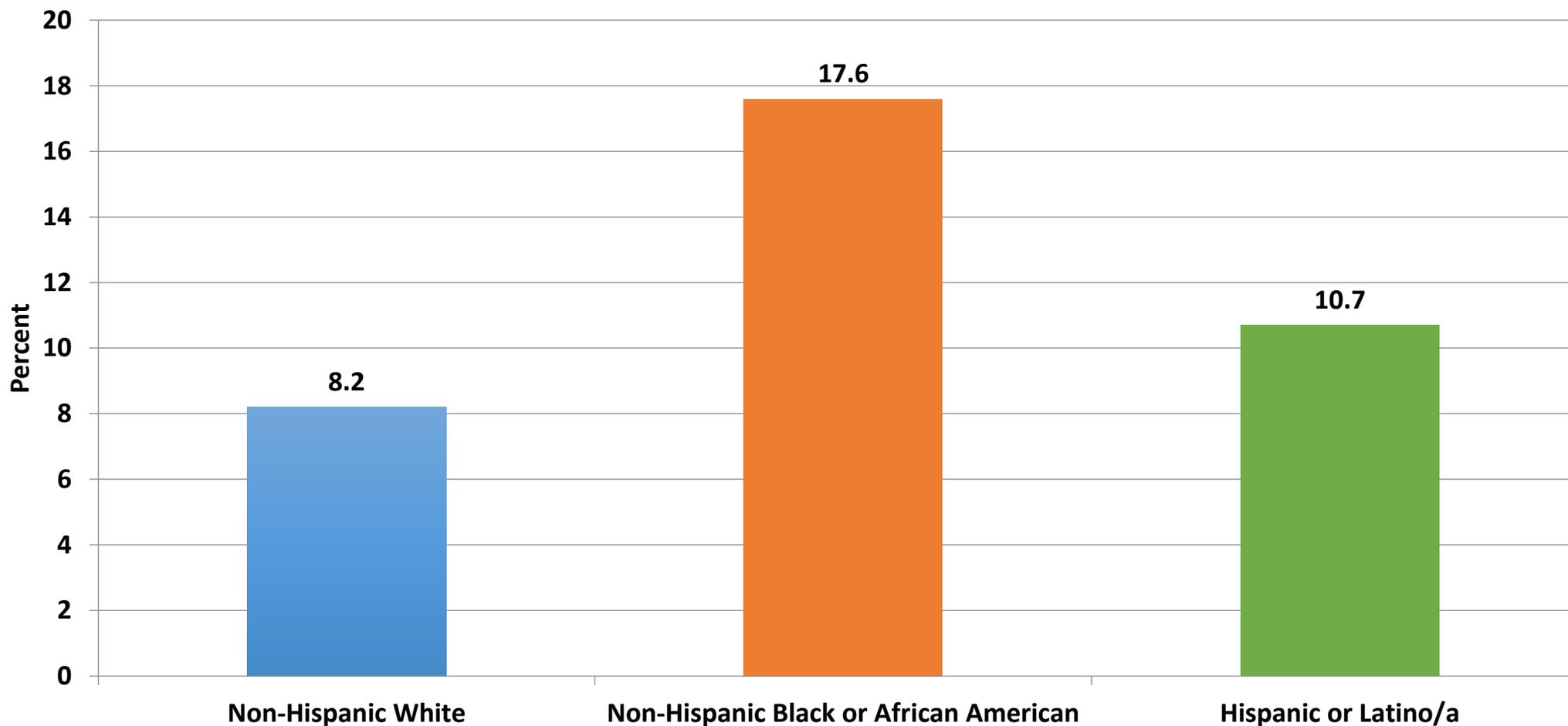
Percent of Adults with Diabetes Who Had at Least 2 A1C Tests in the Past Year, Connecticut, 2012-2014



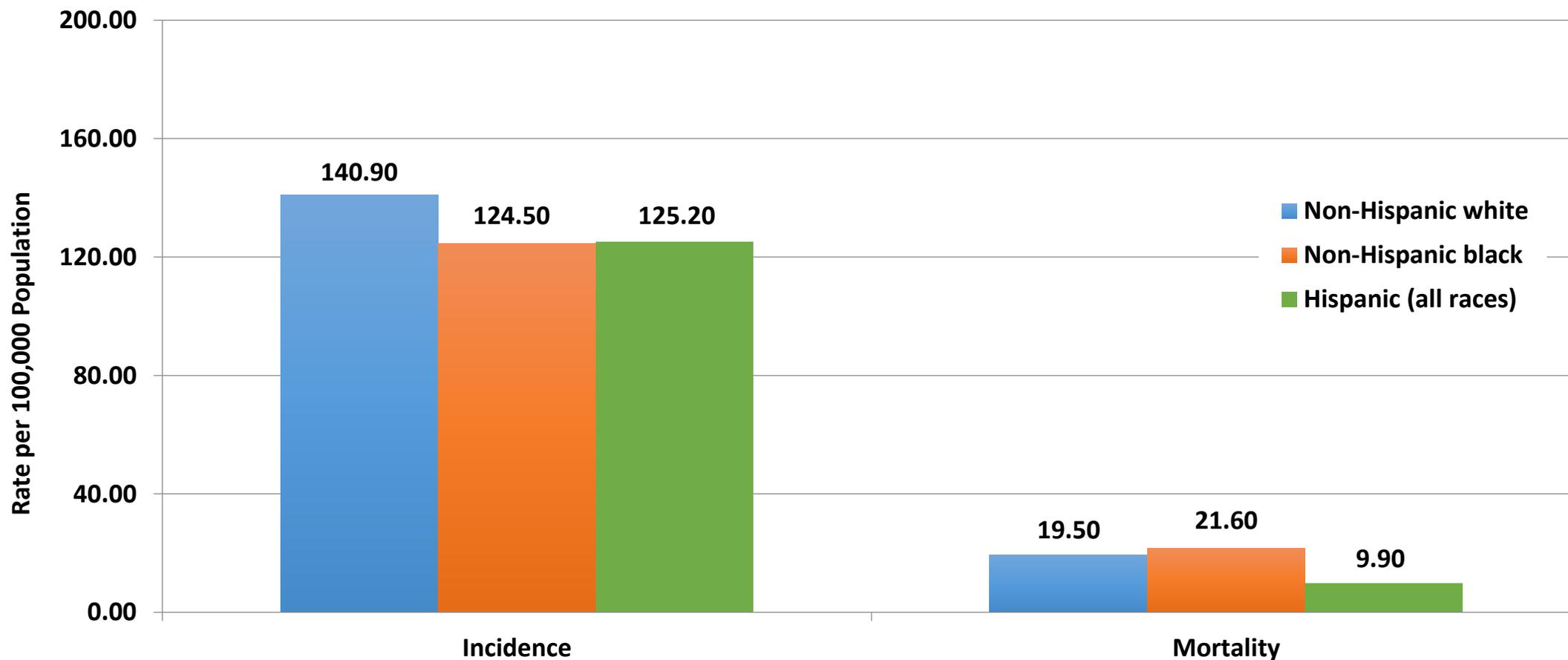
Data Source: BRFSS, 2012-2014



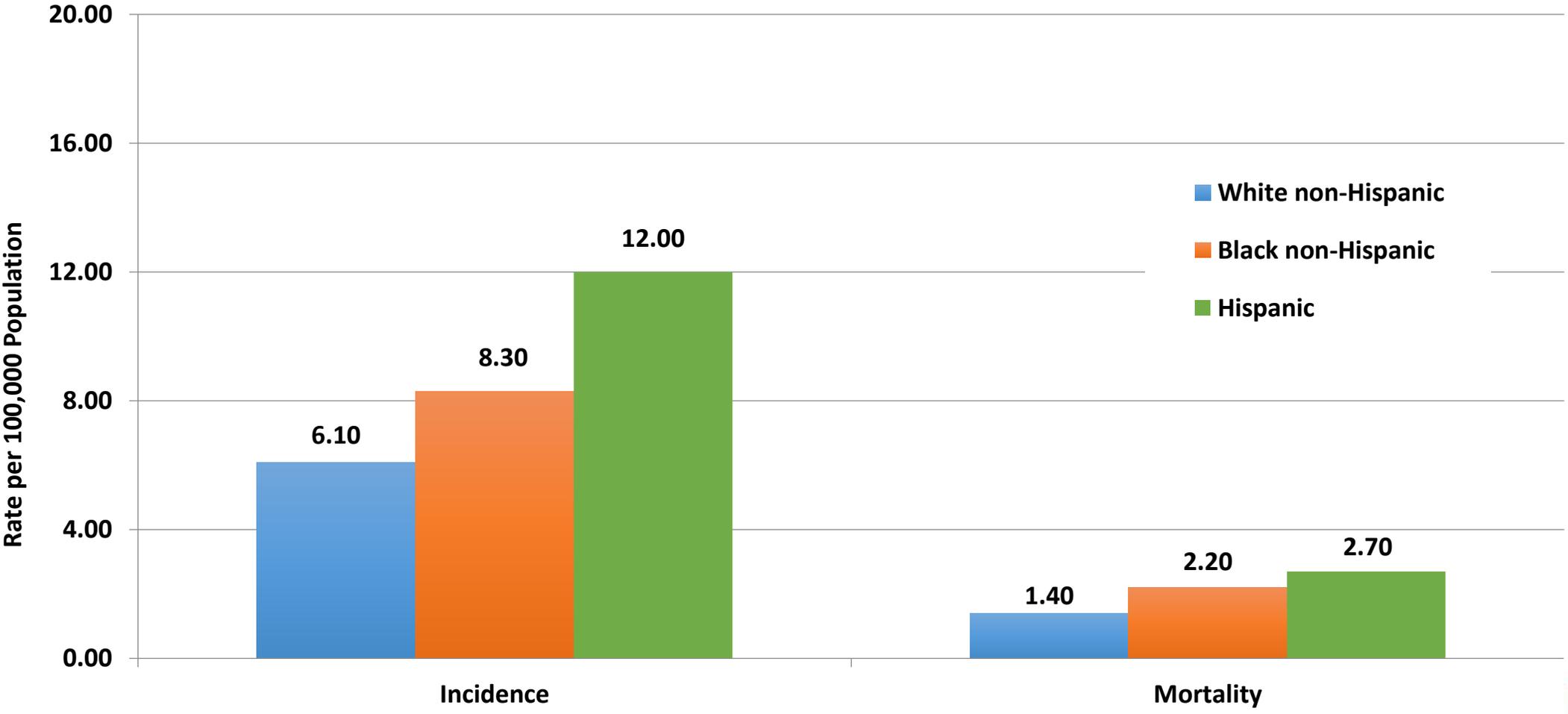
Percent of Adults Ever Told by a Provider That They Have Diabetes, by Race and Ethnicity, Connecticut, 2014



Female Breast Cancer Incidence and Mortality Rate, by Race and Ethnicity, Connecticut, 2011-2013



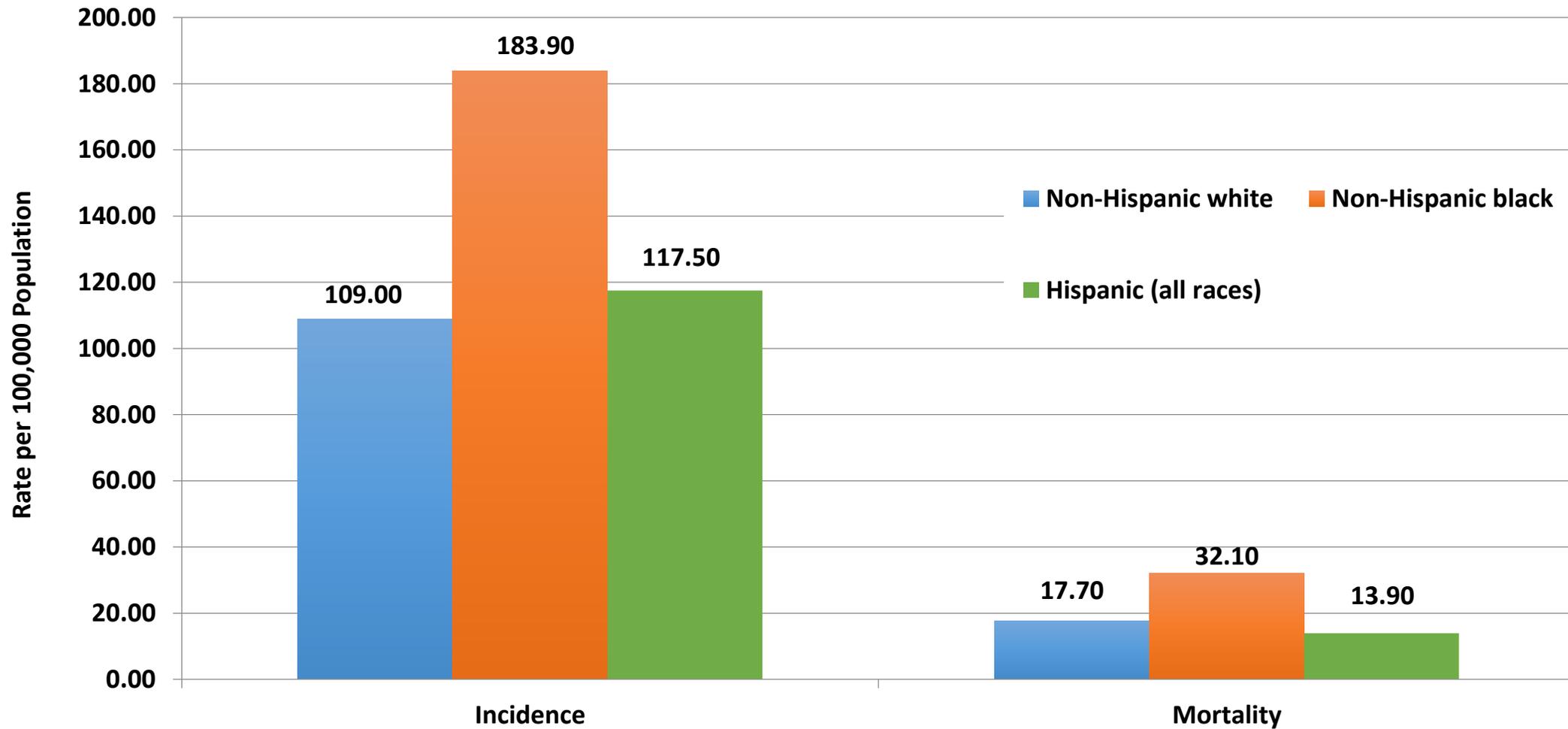
Cervical Cancer Incidence and Mortality, by Race and Ethnicity, Connecticut, 2011-2013



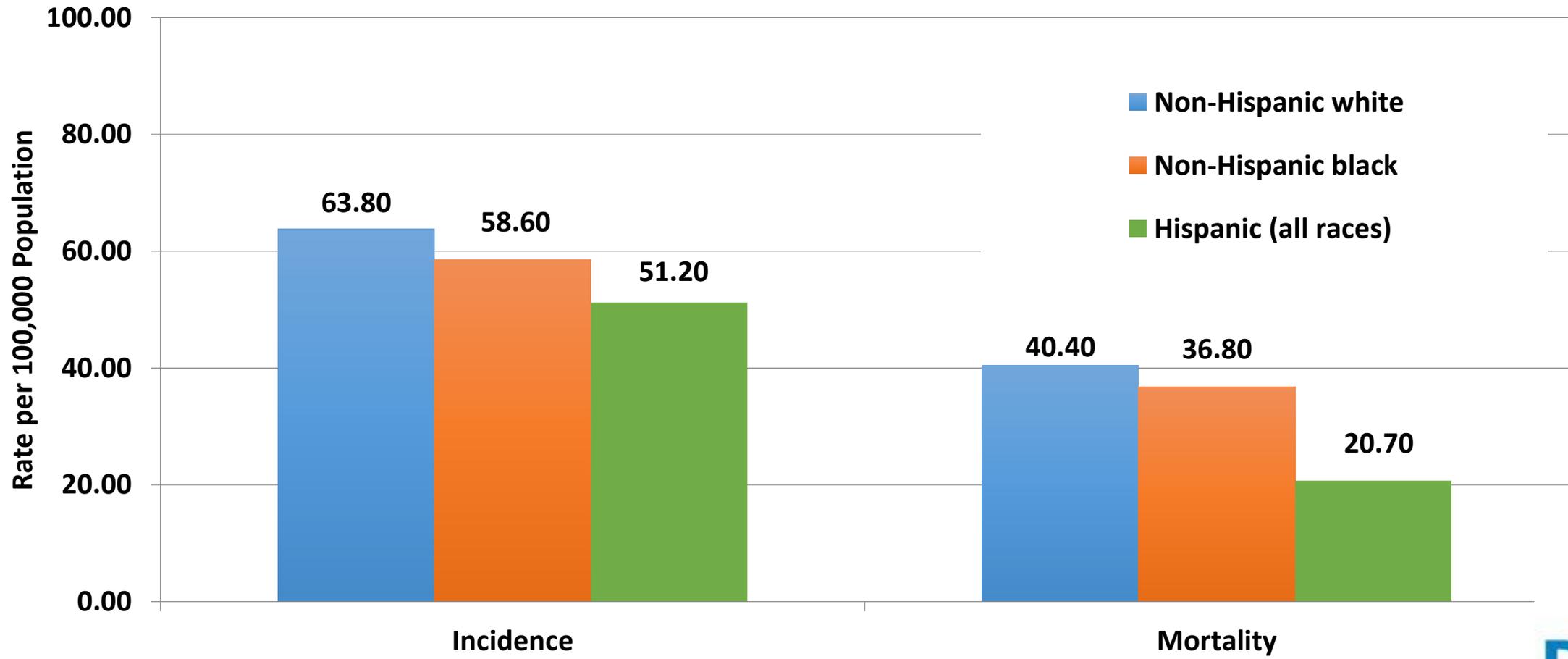
Data Source: Connecticut Tumor Registry, CT DPH



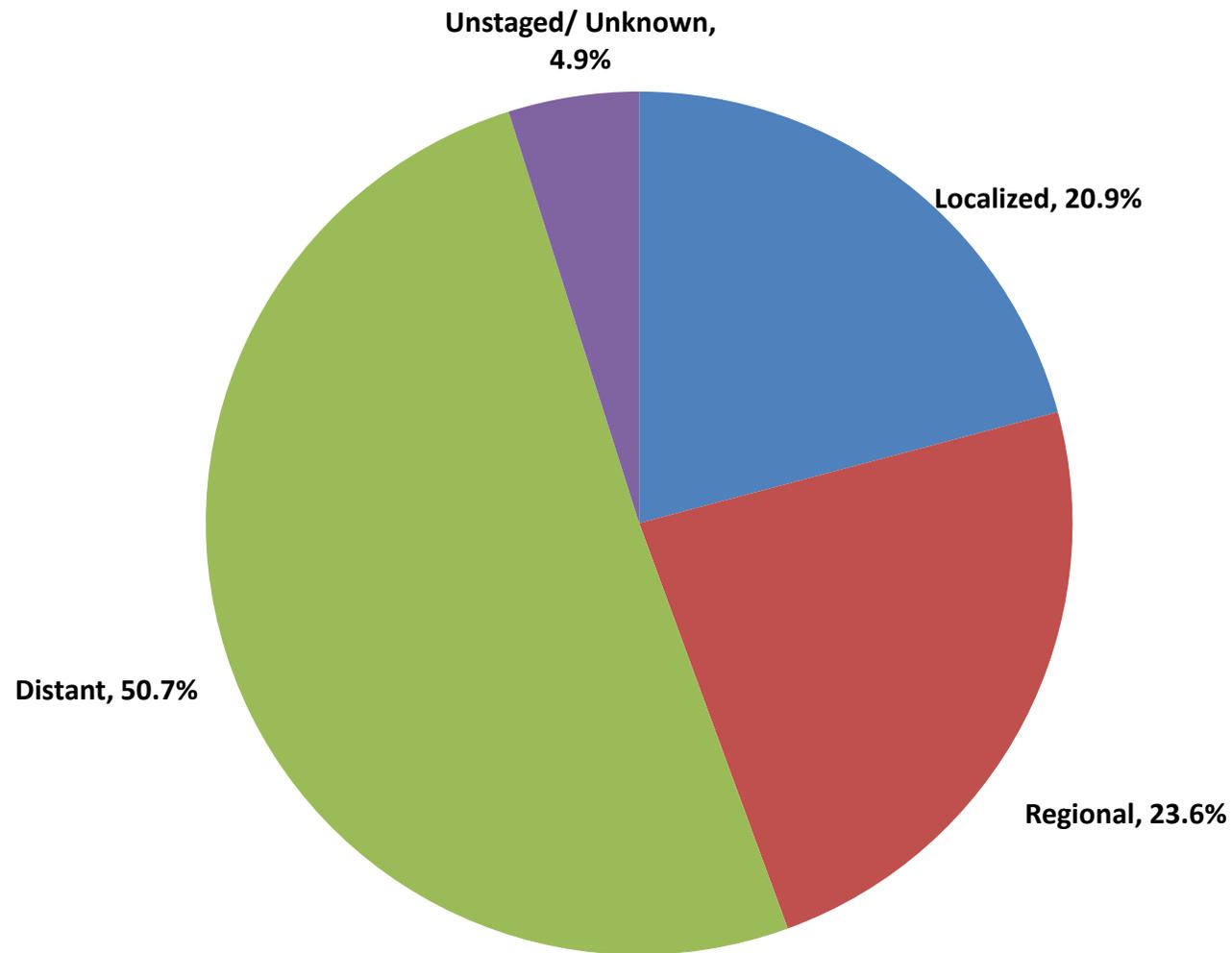
Prostate Cancer Incidence and Mortality, by Race and Ethnicity, Connecticut, 2008-2010



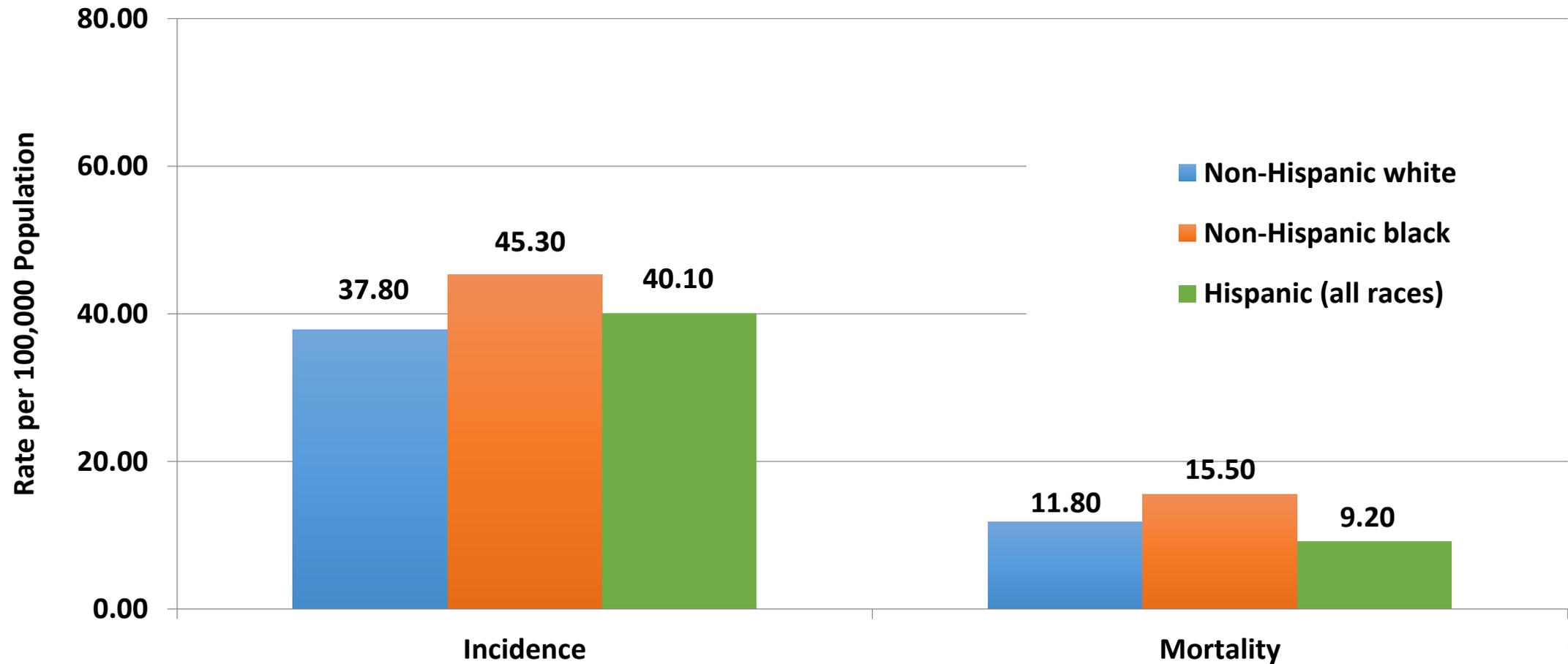
Lung Cancer Incidence and Mortality, by Race and Ethnicity, Connecticut, 2011-2013



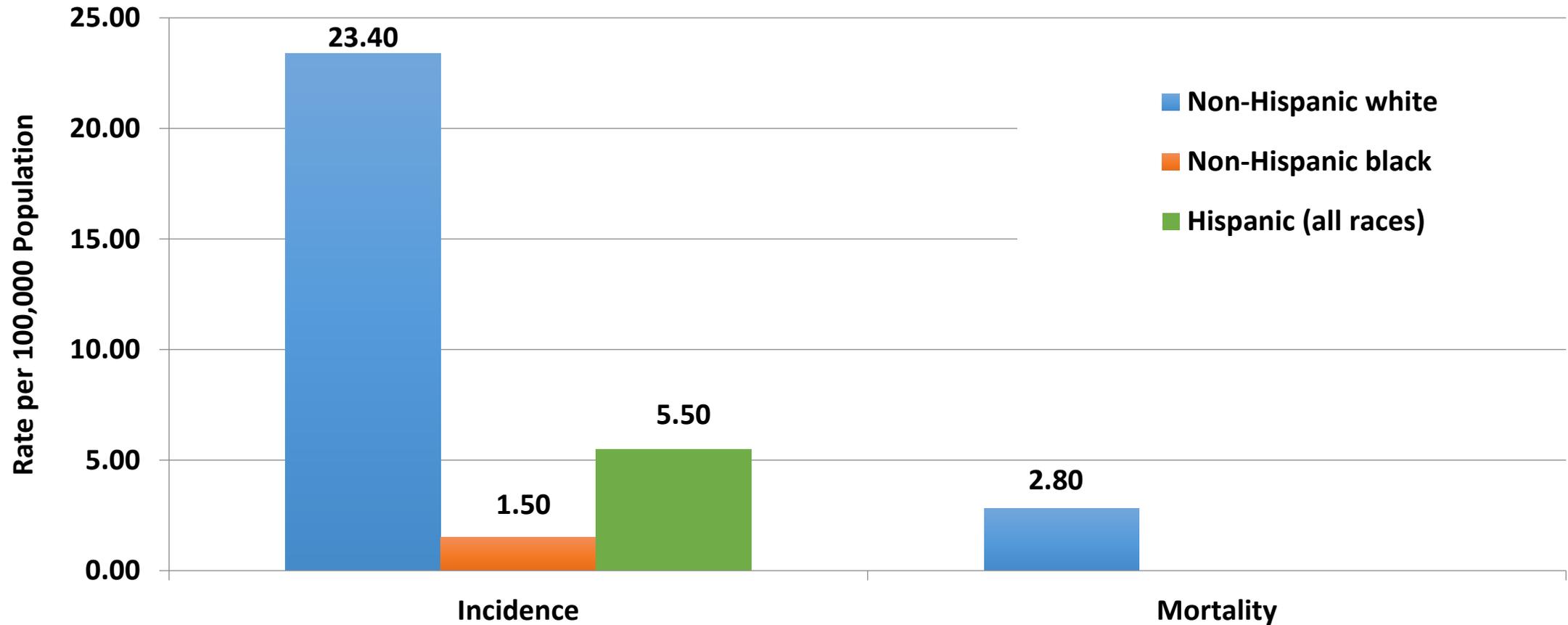
Stage of Lung Cancer Diagnosis, Connecticut, 2008-2012



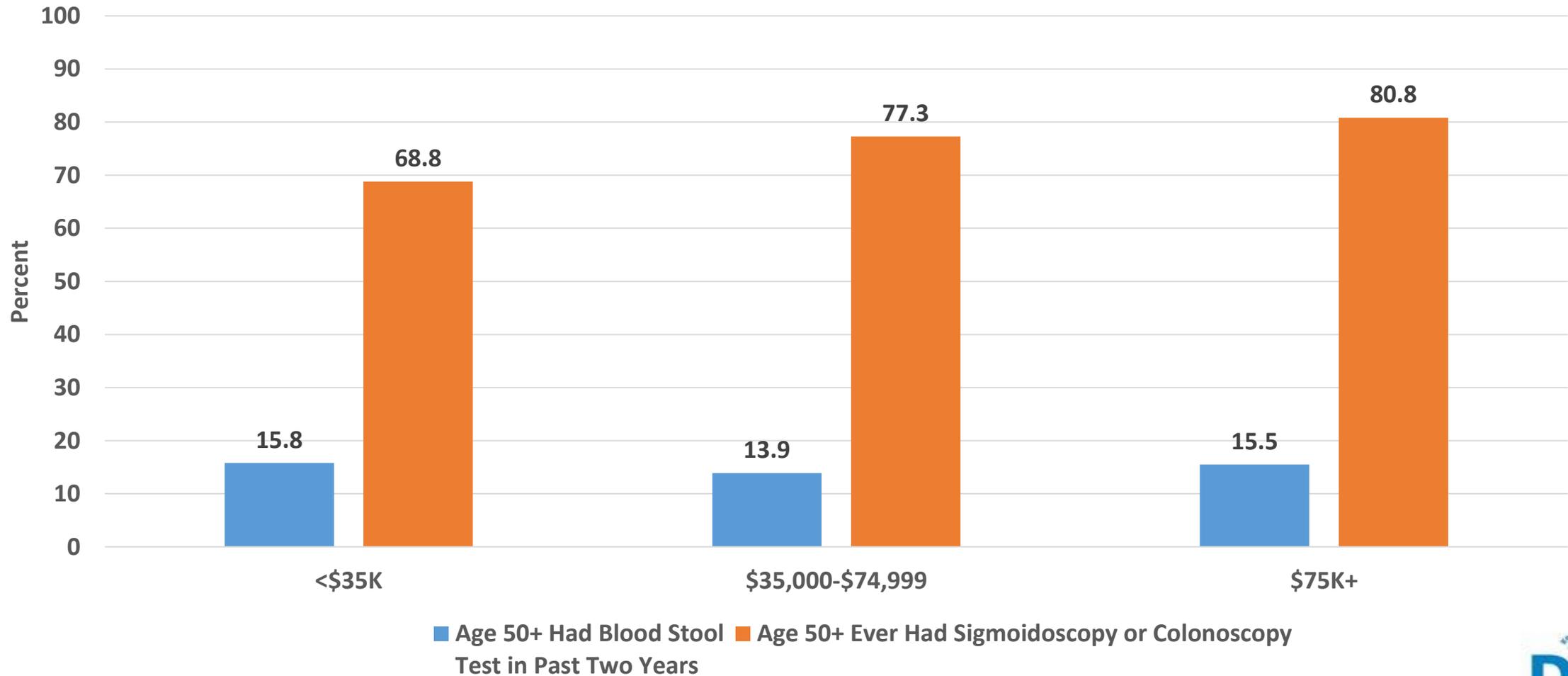
Colorectal Cancer Incidence and Mortality, by Race and Ethnicity, Connecticut, 2008-2010



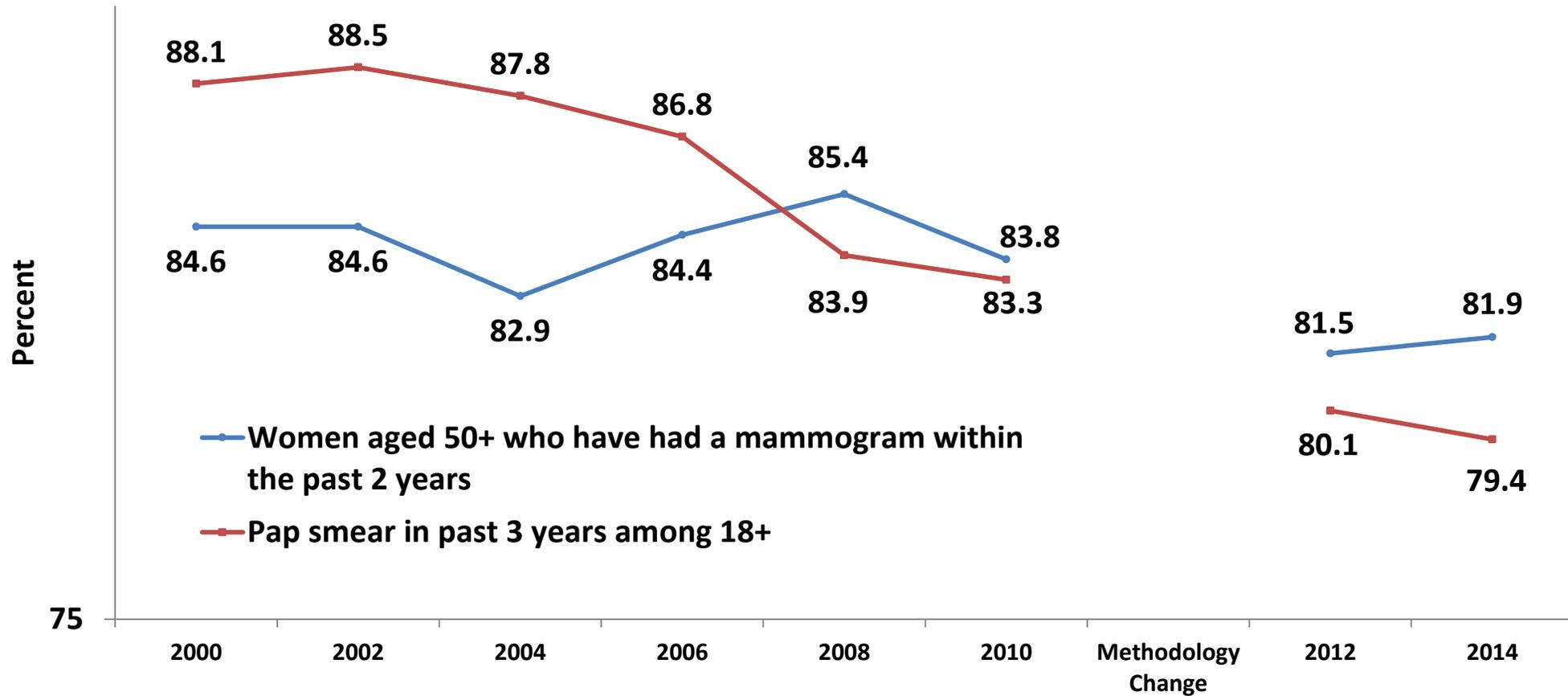
Melanoma Incidence and Mortality, by Race and Ethnicity, Connecticut, 2008-2010



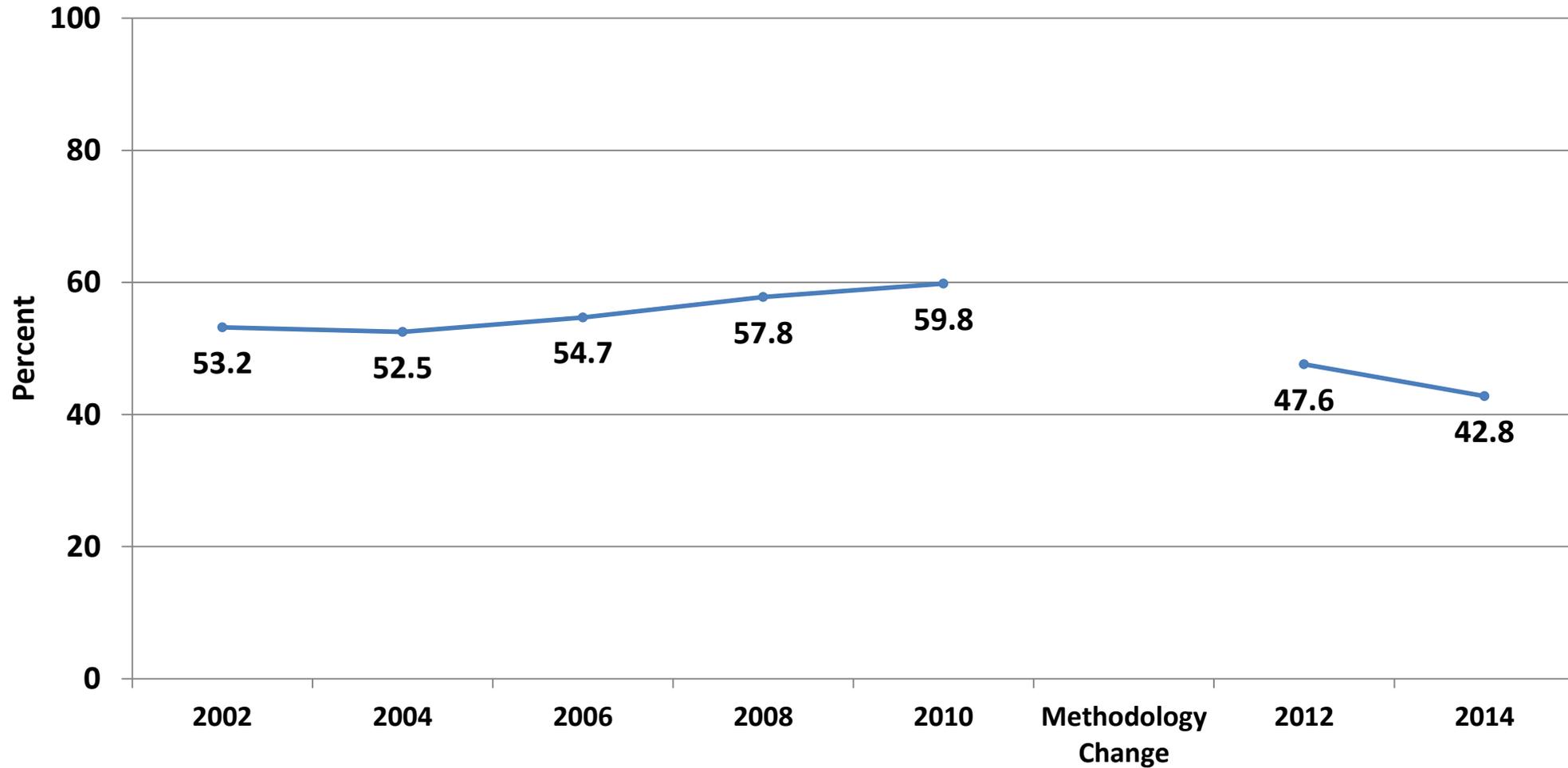
Percent of Adults Aged 50+ Screened for Colorectal Cancer, by Income, Connecticut, 2014



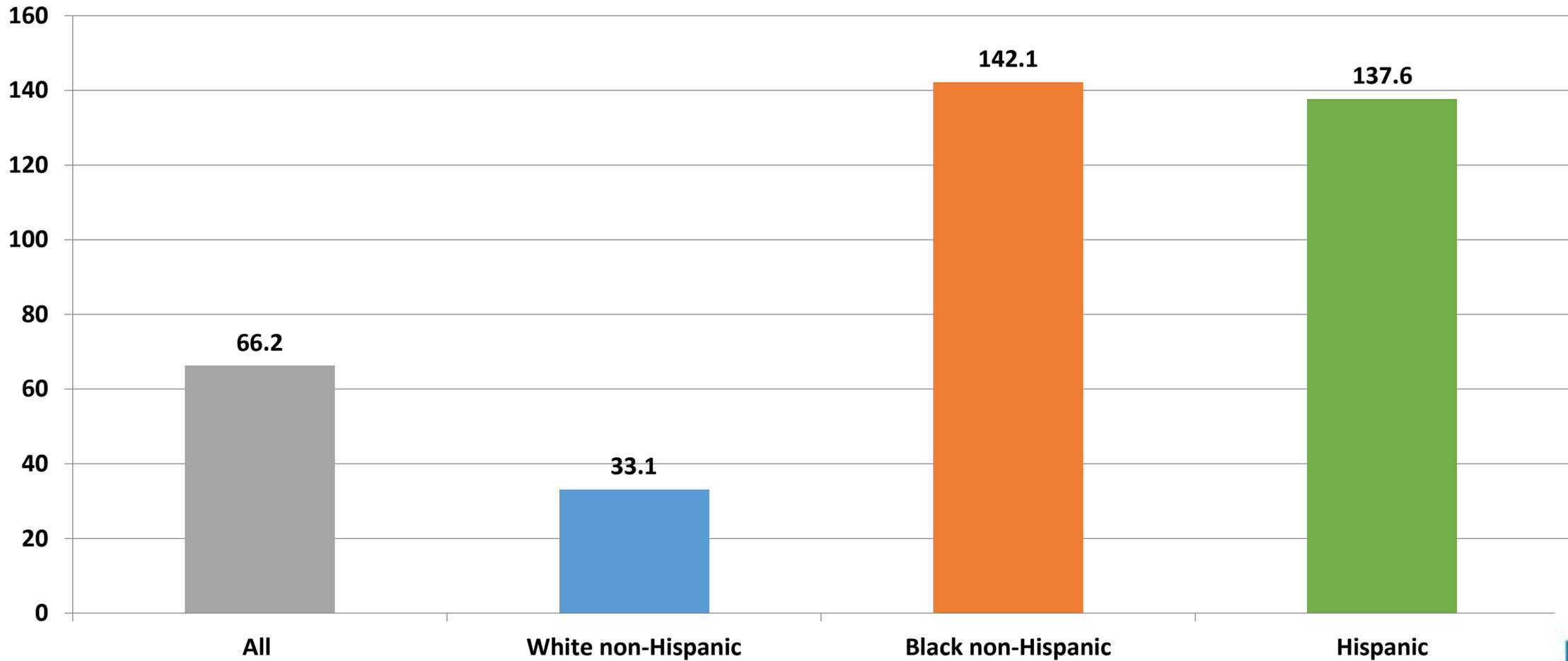
Female Cancer Screening Behaviors, Connecticut, 2000-2014



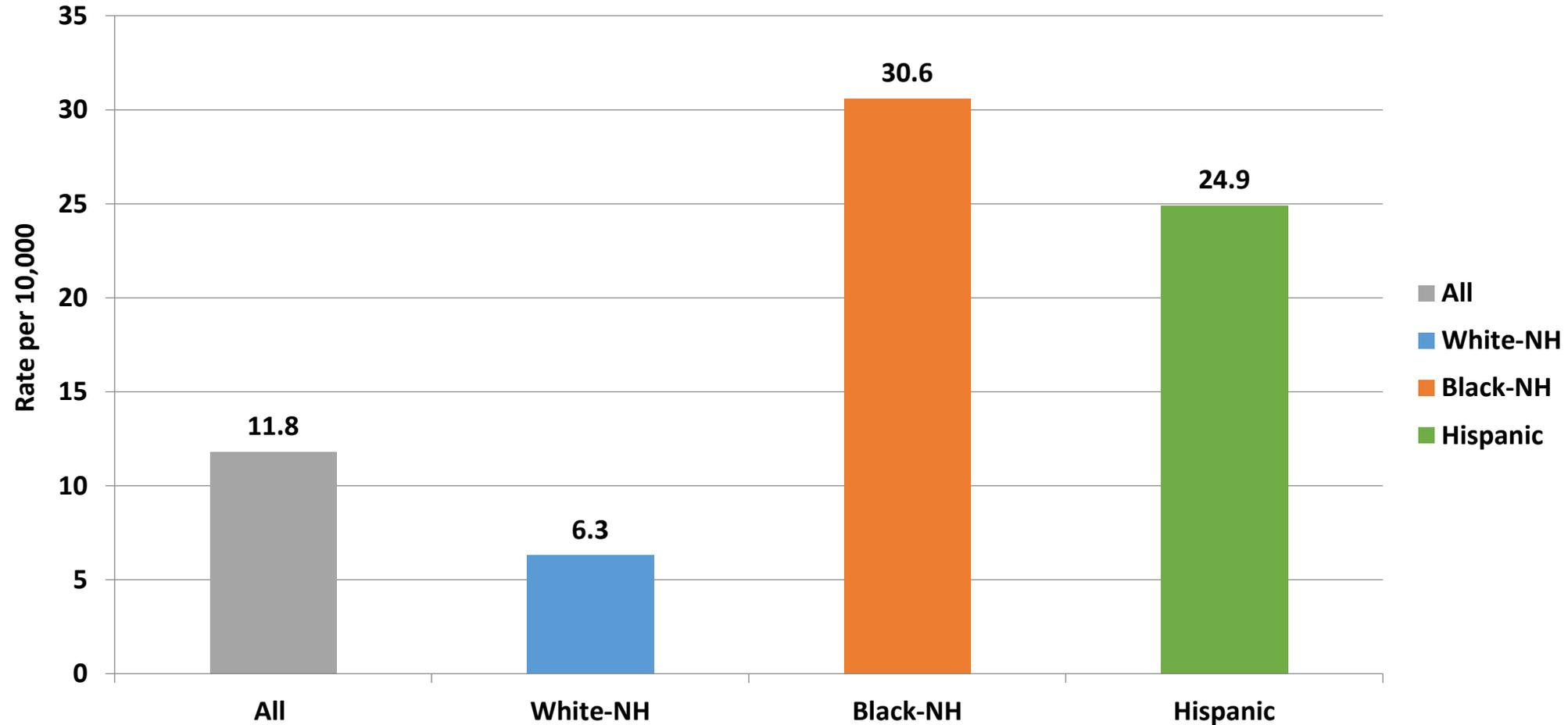
Male Cancer Screening Behaviors, Connecticut, 2002-2014



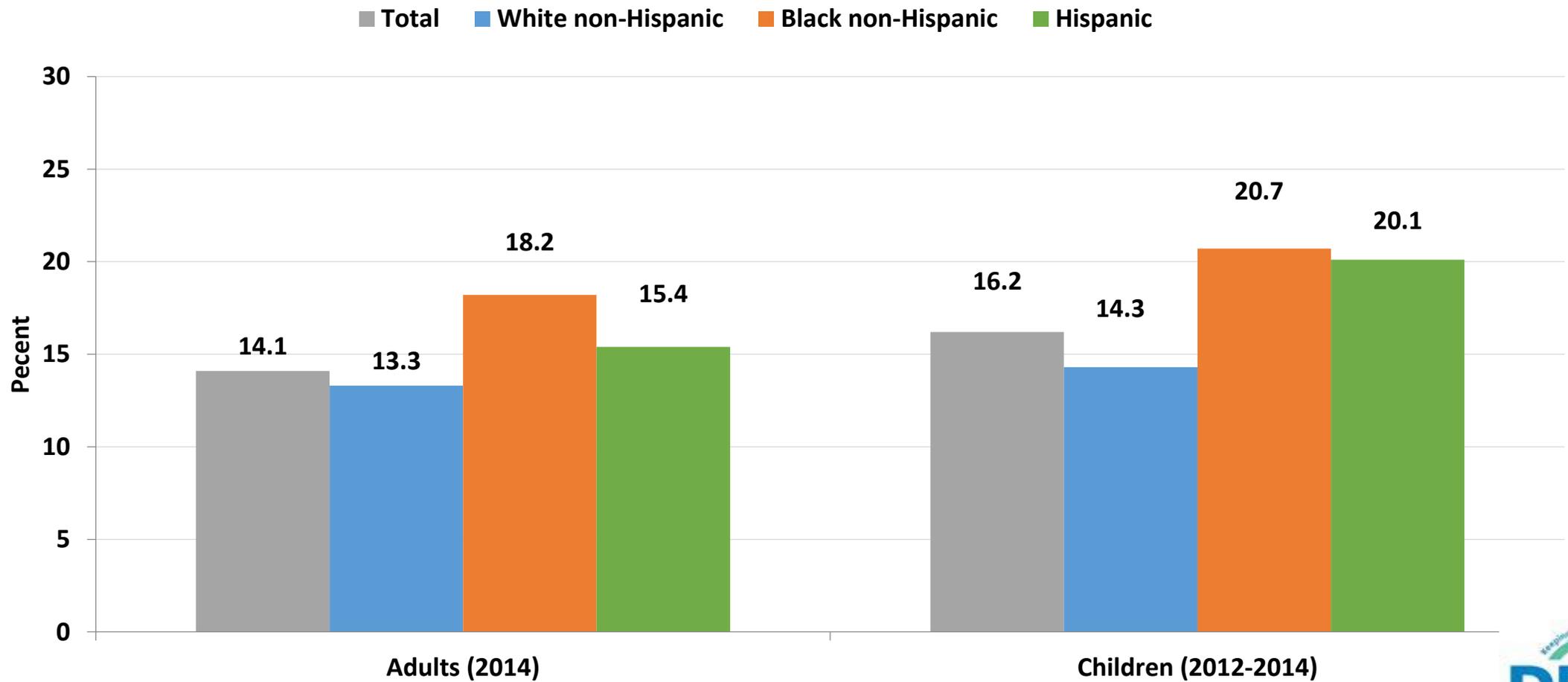
Rate of Asthma ED Visits, by Race and Ethnicity, Connecticut, 2014



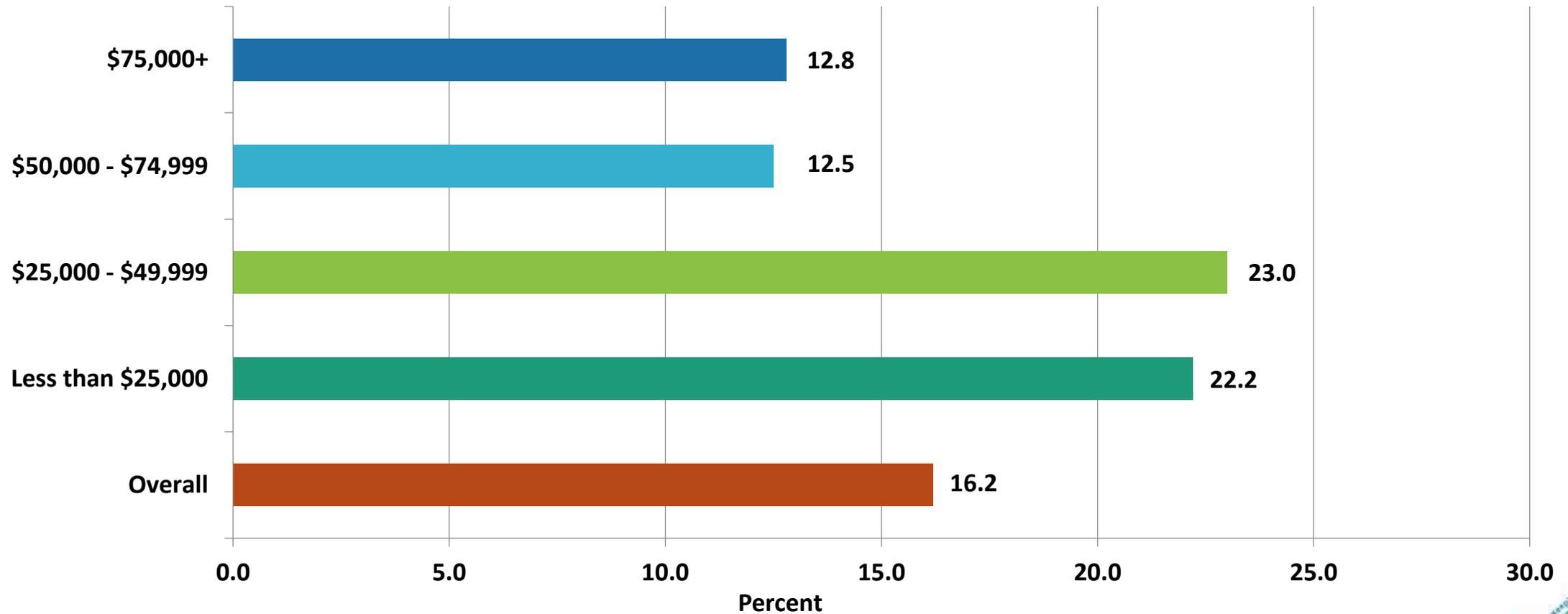
Rate of Asthma Hospitalizations, by Race and Ethnicity, Connecticut, 2014



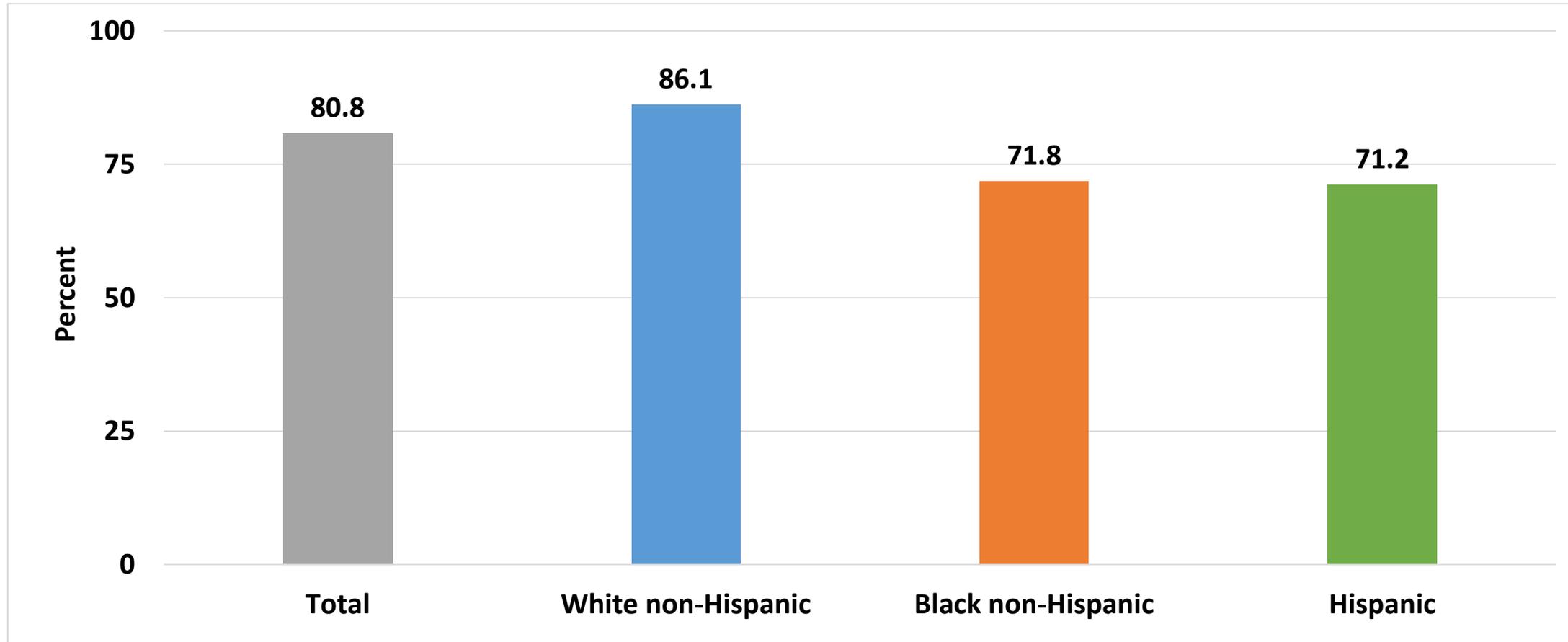
Percent of Children and Adults Ever Told They Have Asthma, by Race and Ethnicity, Connecticut, 2012-2014



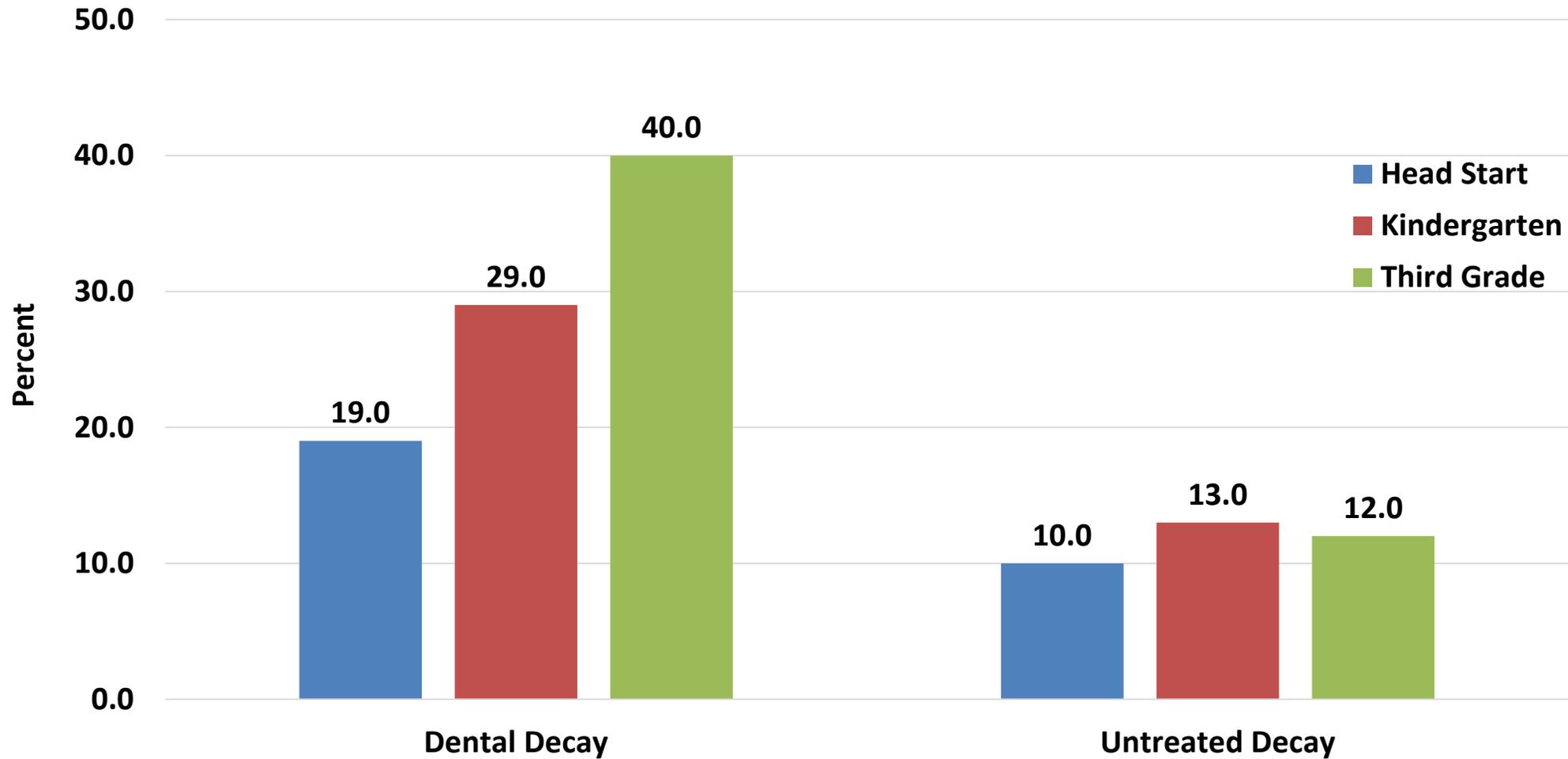
Percent of Children Ever Told They Have Asthma, by Income, Connecticut, 2012-2014



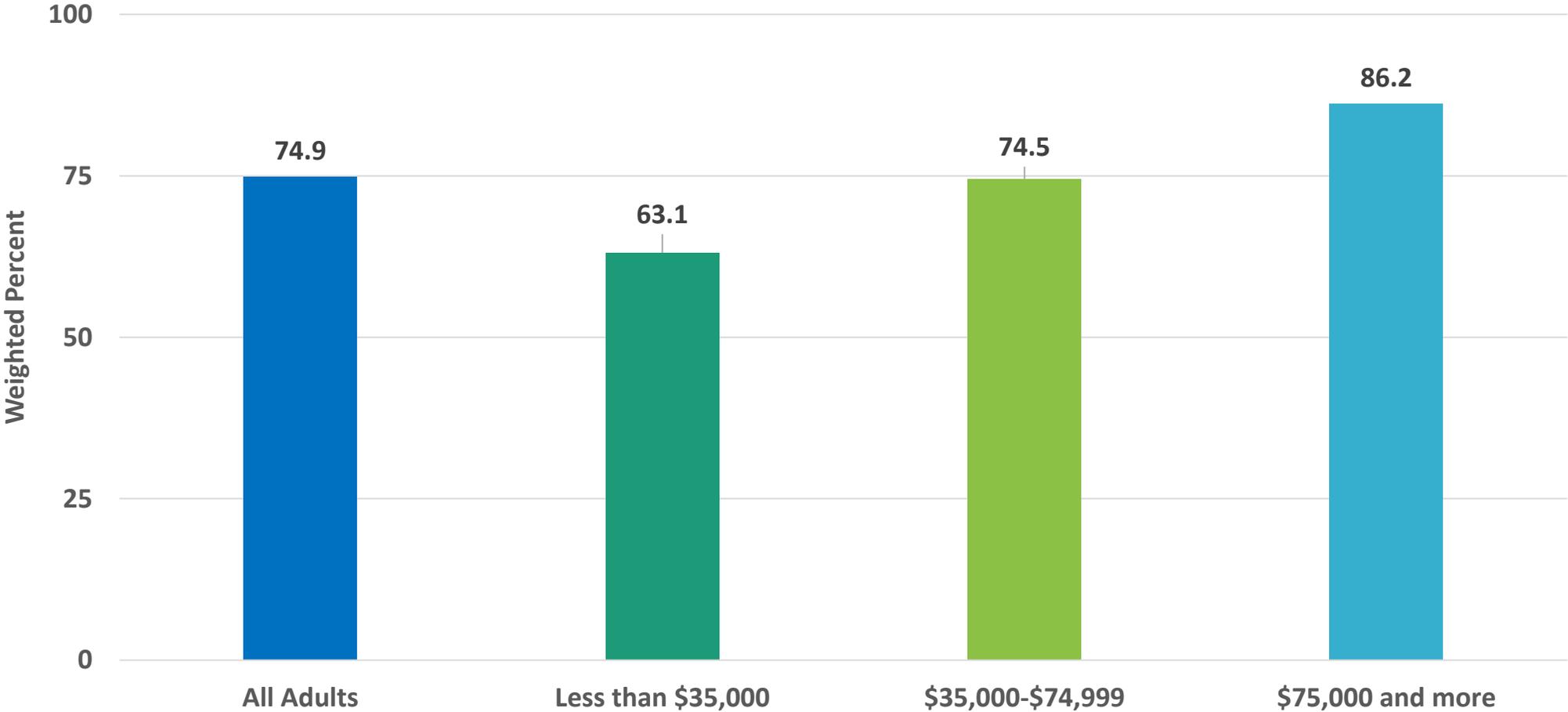
Percent of High School Students Who Saw a Dentist in the Past 12 Months, by Race and Ethnicity, Connecticut, 2015



Dental Decay and Untreated Decay, by Grade, Connecticut, 2010-2011



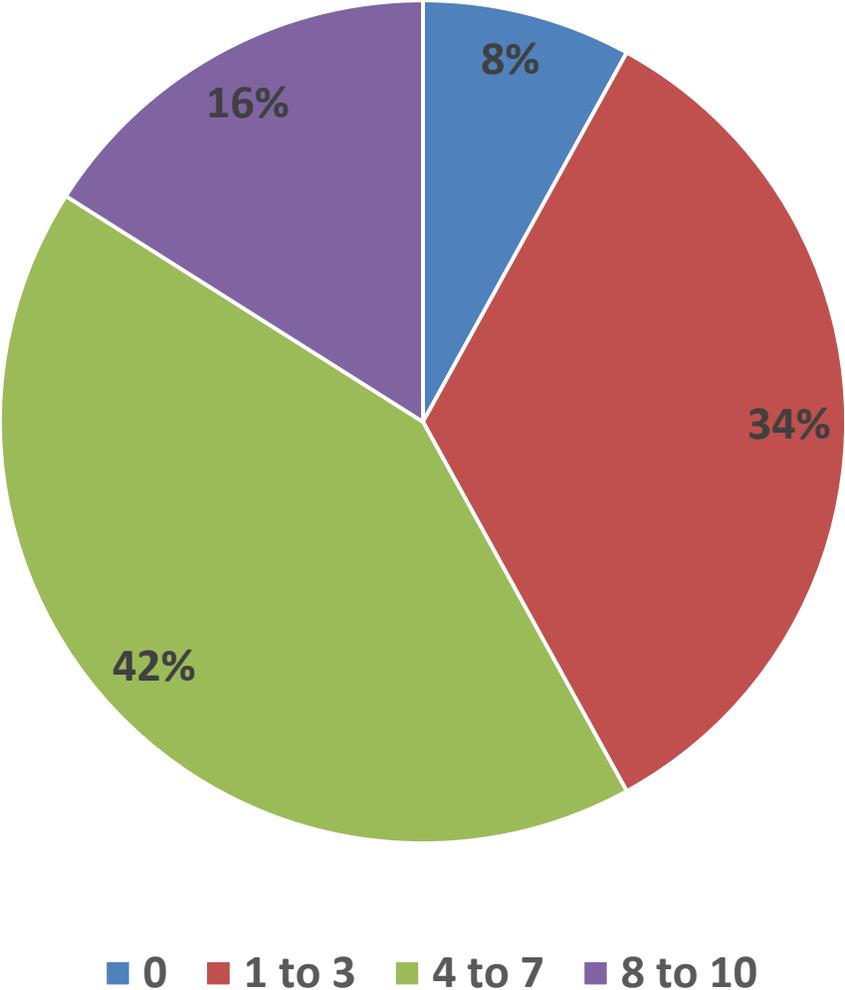
Adults Who Visited the Dentist or Dental Clinic in the Past Year for any Reason, Connecticut, 2014



Data Source: CT DPH, http://www.ct.gov/dph/lib/dph/hisr/pdf/brfss2014_ct_report.pdf, 2016



Arthritis Pain Level, 0 to 10, Connecticut, 2013

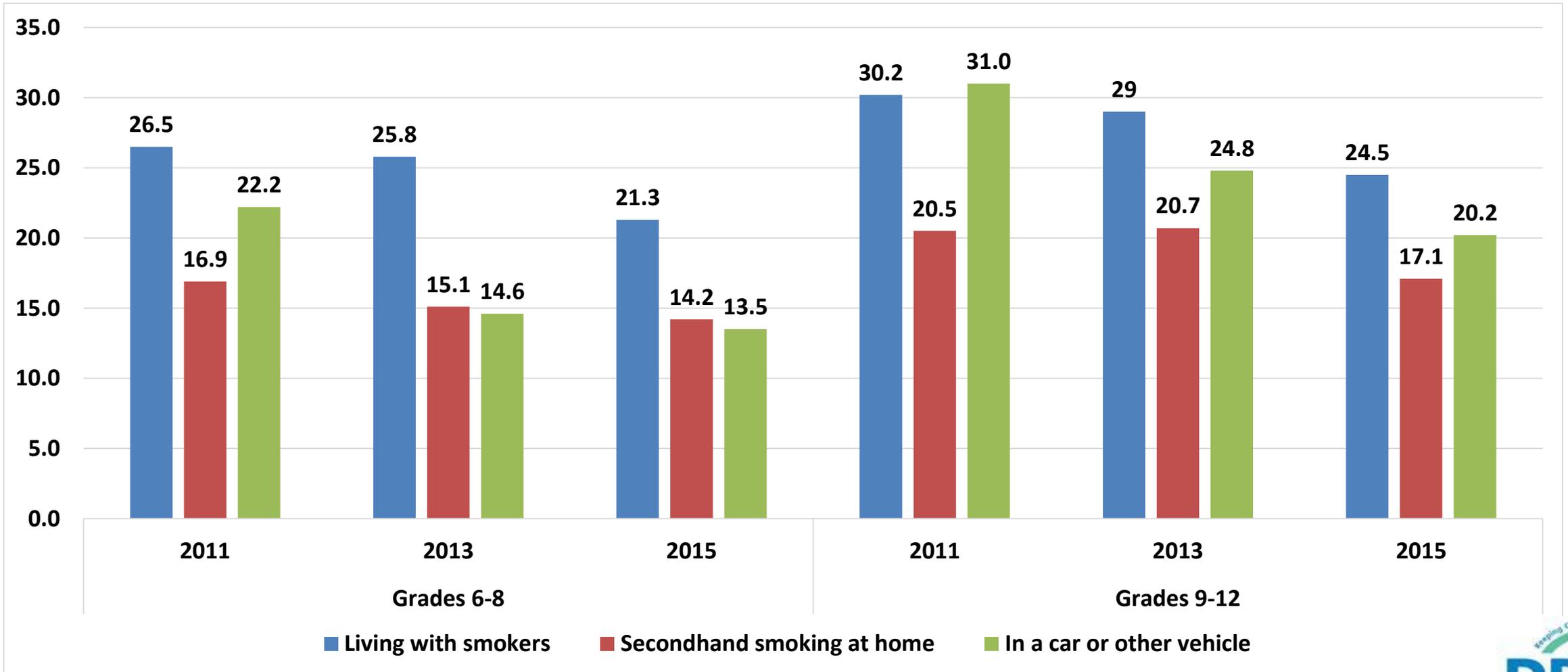


Data Source: CT BRFSS 2013

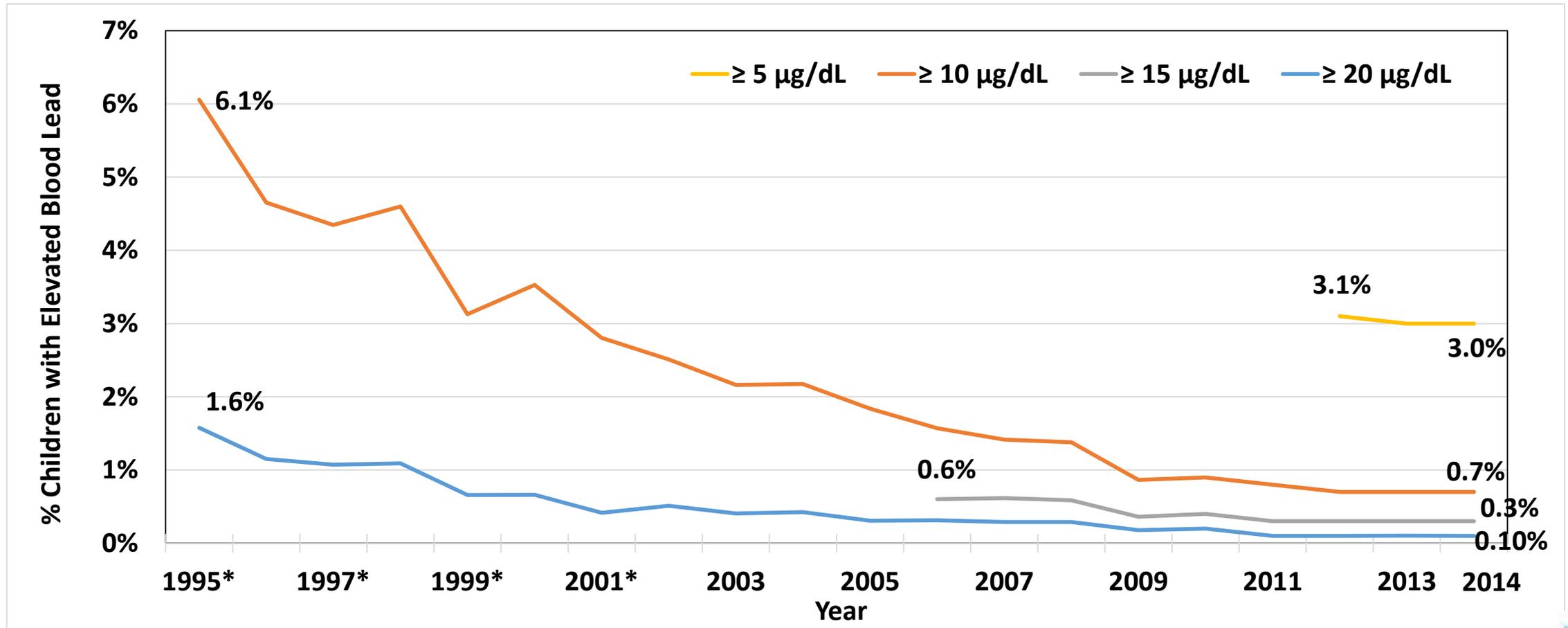


ENVIRONMENTAL DETERMINANTS OF HEALTH

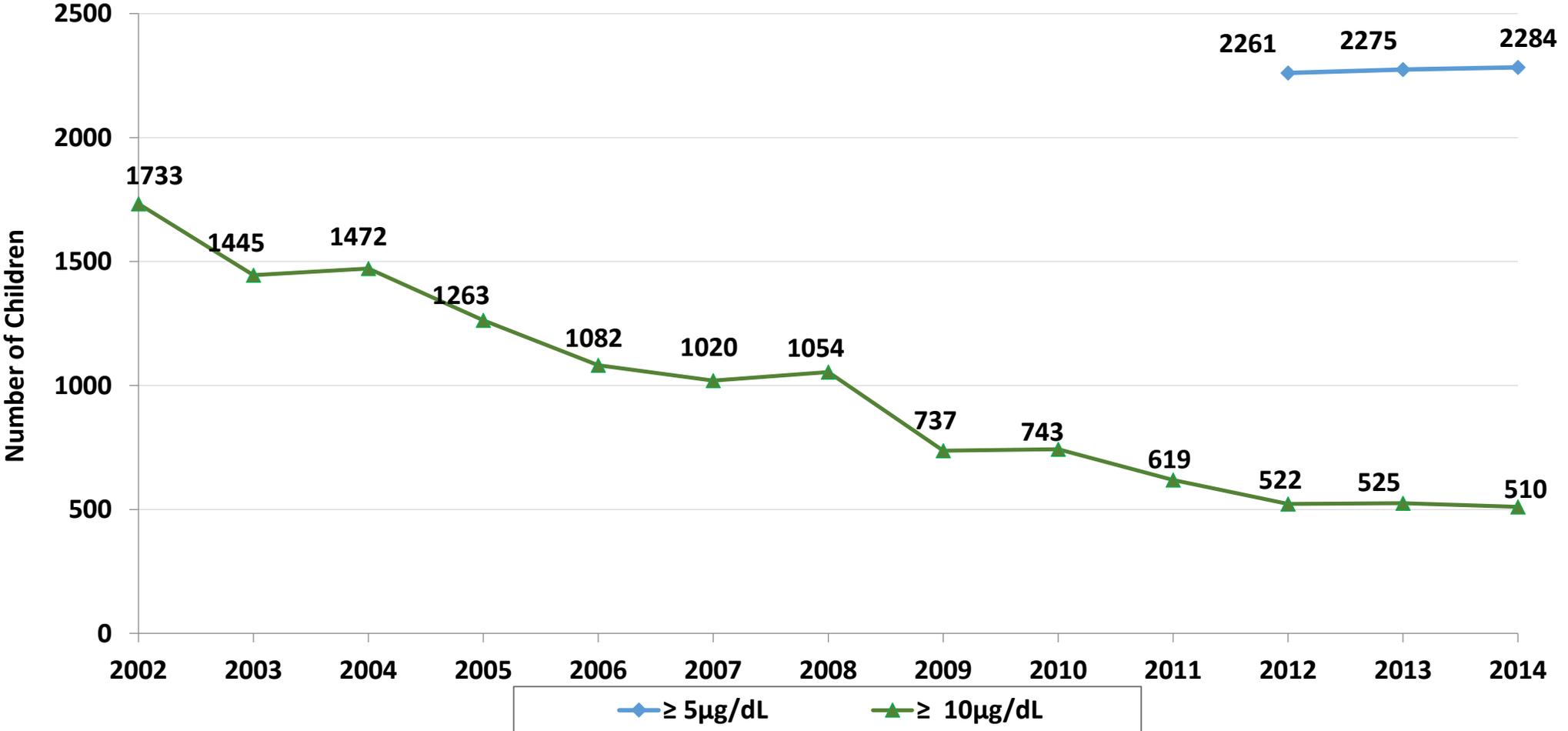
Secondhand Smoke Exposure Among Connecticut Middle and High School Students, Connecticut, 2011-2015



Prevalence of Children <6 Years of Age With Blood Lead Levels $\geq 5\mu\text{g}/\text{dL}$, Connecticut, 1995-2014



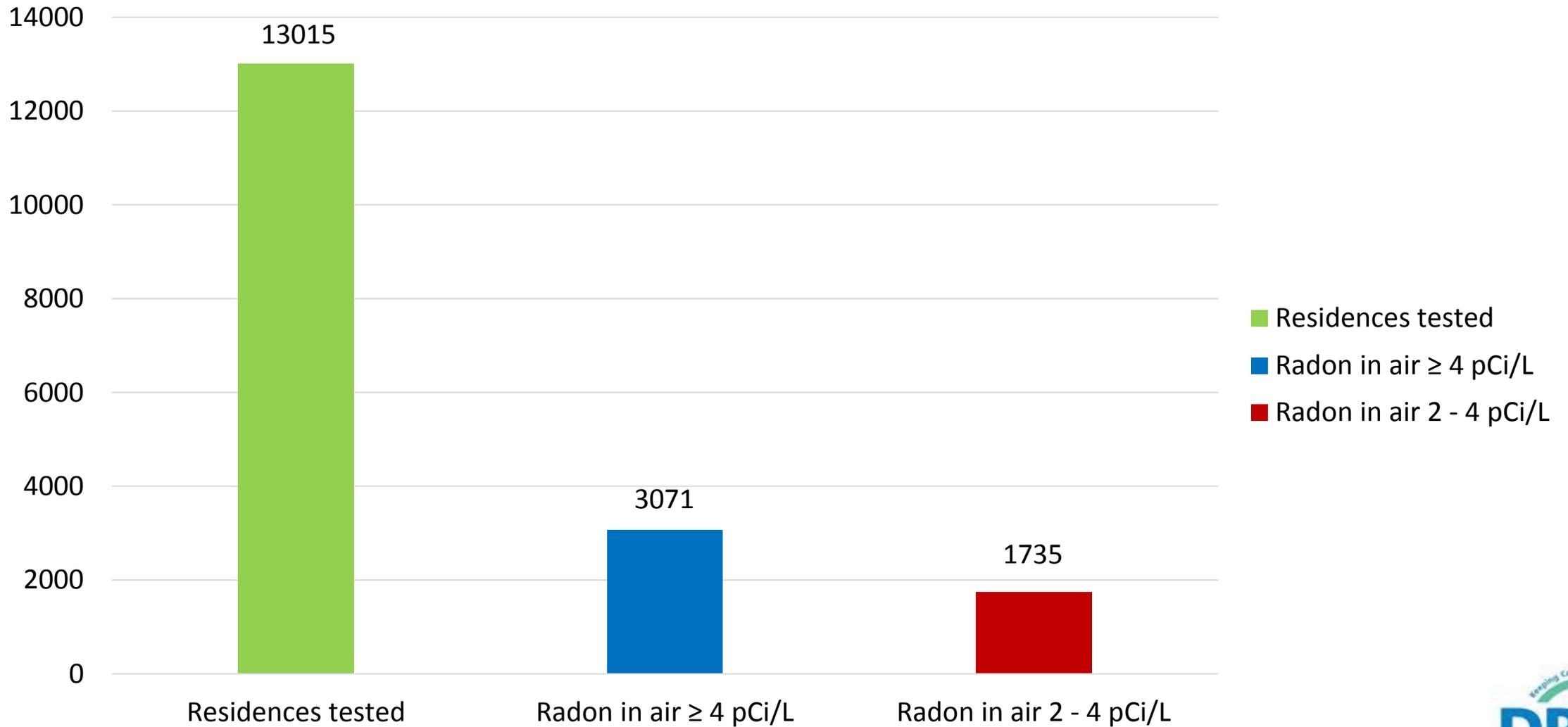
Number of Children Under 6 Years of Age With Lead Poisoning, Connecticut, 2002-2014



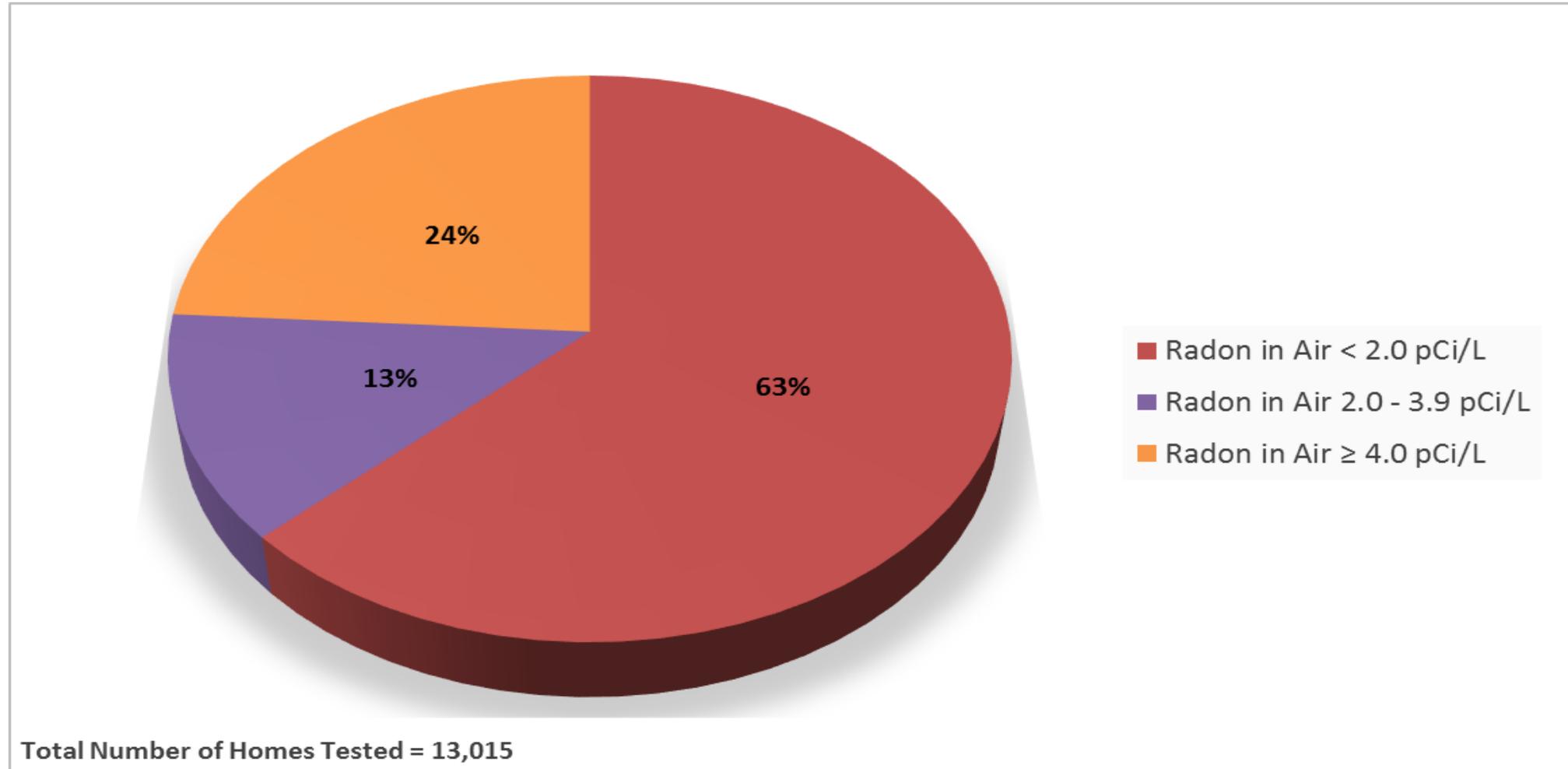
Data Source: Connecticut DPH Lead Surveillance System, 2016



Residential Radon Air Levels, Connecticut, 1998-2016

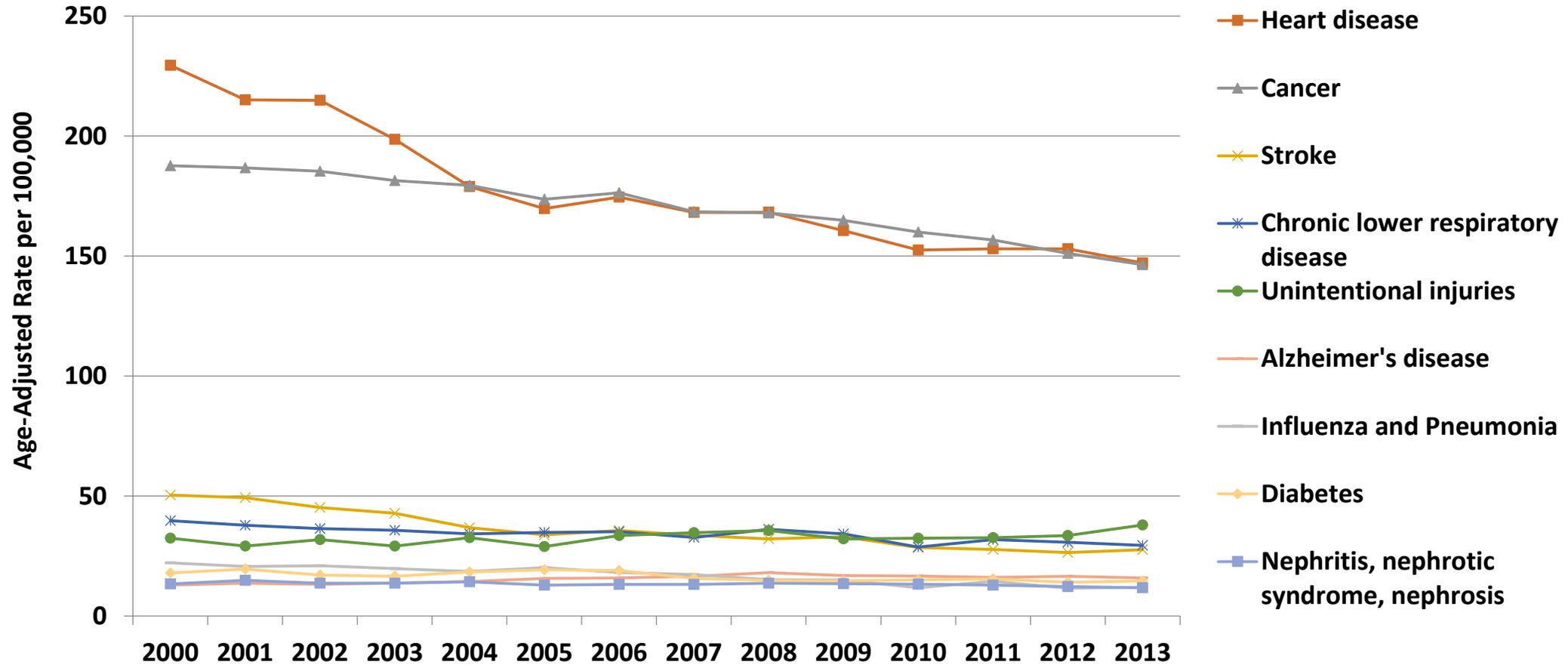


Residential Radon Air Levels by Percentage of Homes Tested, Connecticut, 1998-2016



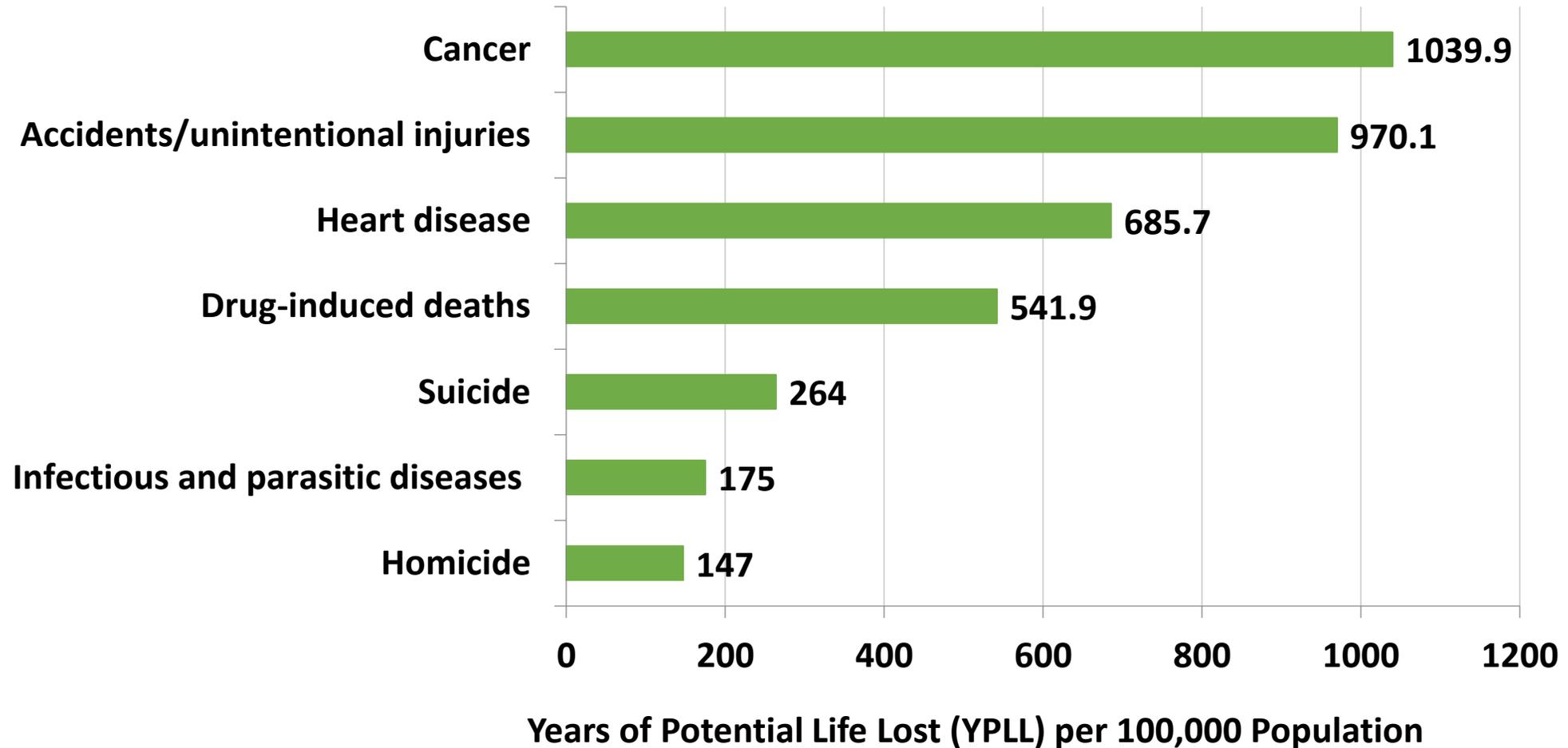
MORTALITY AND HOSPITALIZATION

Age-adjusted Mortality Rate For Leading Causes Of Death, Connecticut, 2000-2013

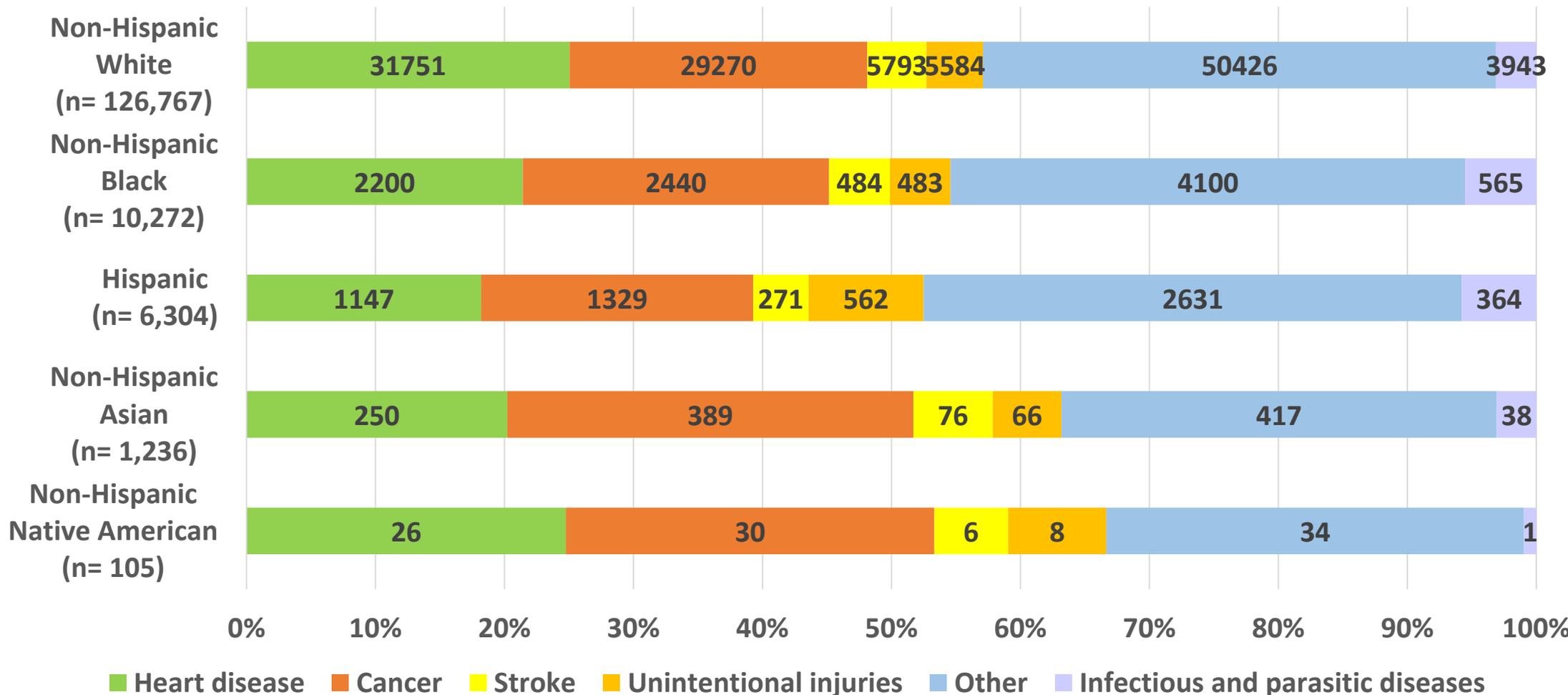


Data Source: CDPH AAMR 1-year state annuals, 2000-2013

Age Adjusted Leading Causes of Premature Mortality (Years of Potential Life Lost Before 75 Years of Age), Connecticut 2013



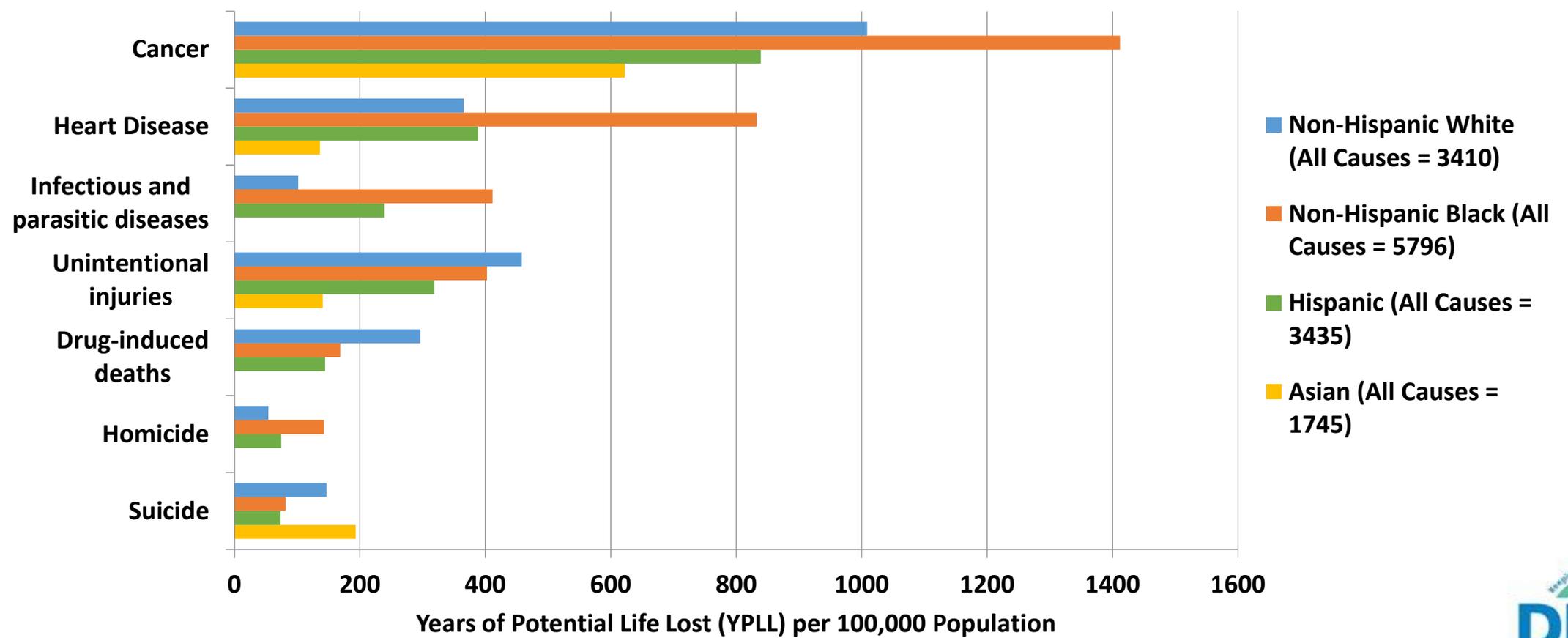
Number Of Deaths For Leading Causes Of Mortality, by Race And Ethnicity, Connecticut 2009-2013



Data Source: CDPH "AAMR_State_RaceEthn_aggregate_2009-2013"



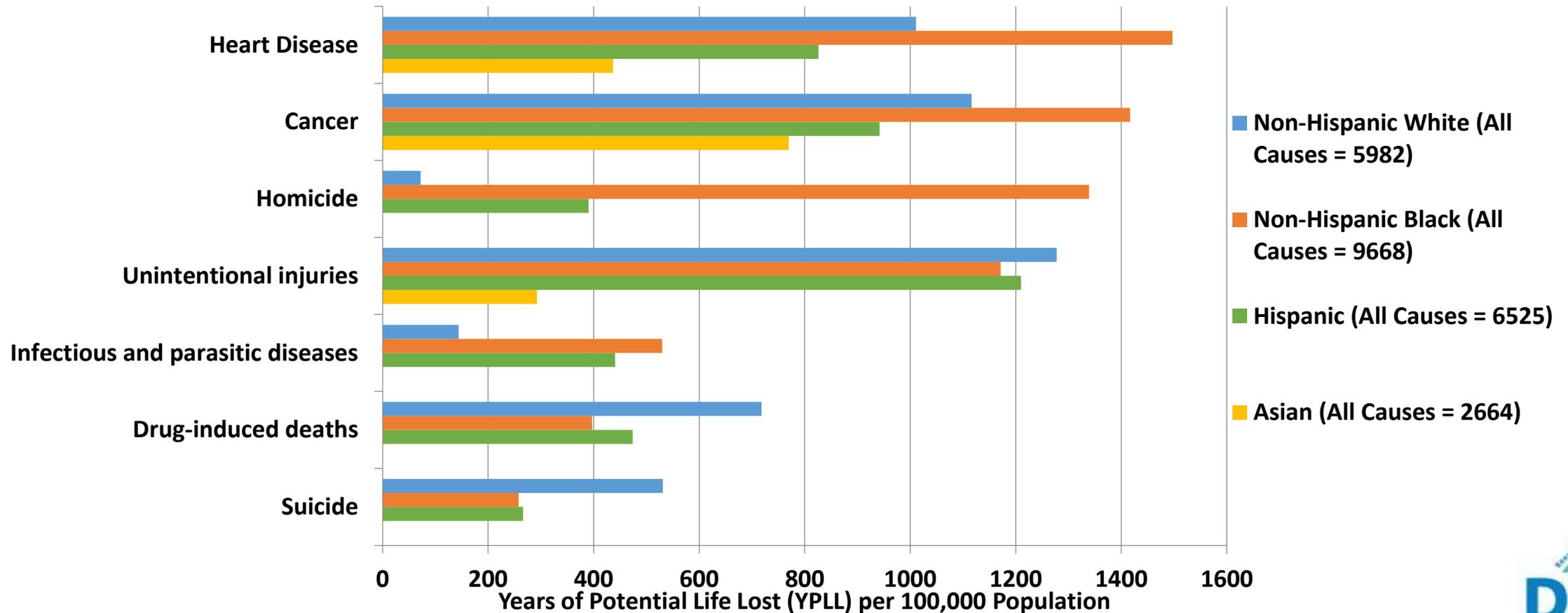
Age-adjusted Rates For Leading Causes Of Premature Mortality (Years Of Potential Life Lost Before 75 Years Of Age) For Females, Connecticut, 2009-2013



Data source: CDPH Morality Tables, "YPLLreport_RaceEthn_2009-2013"

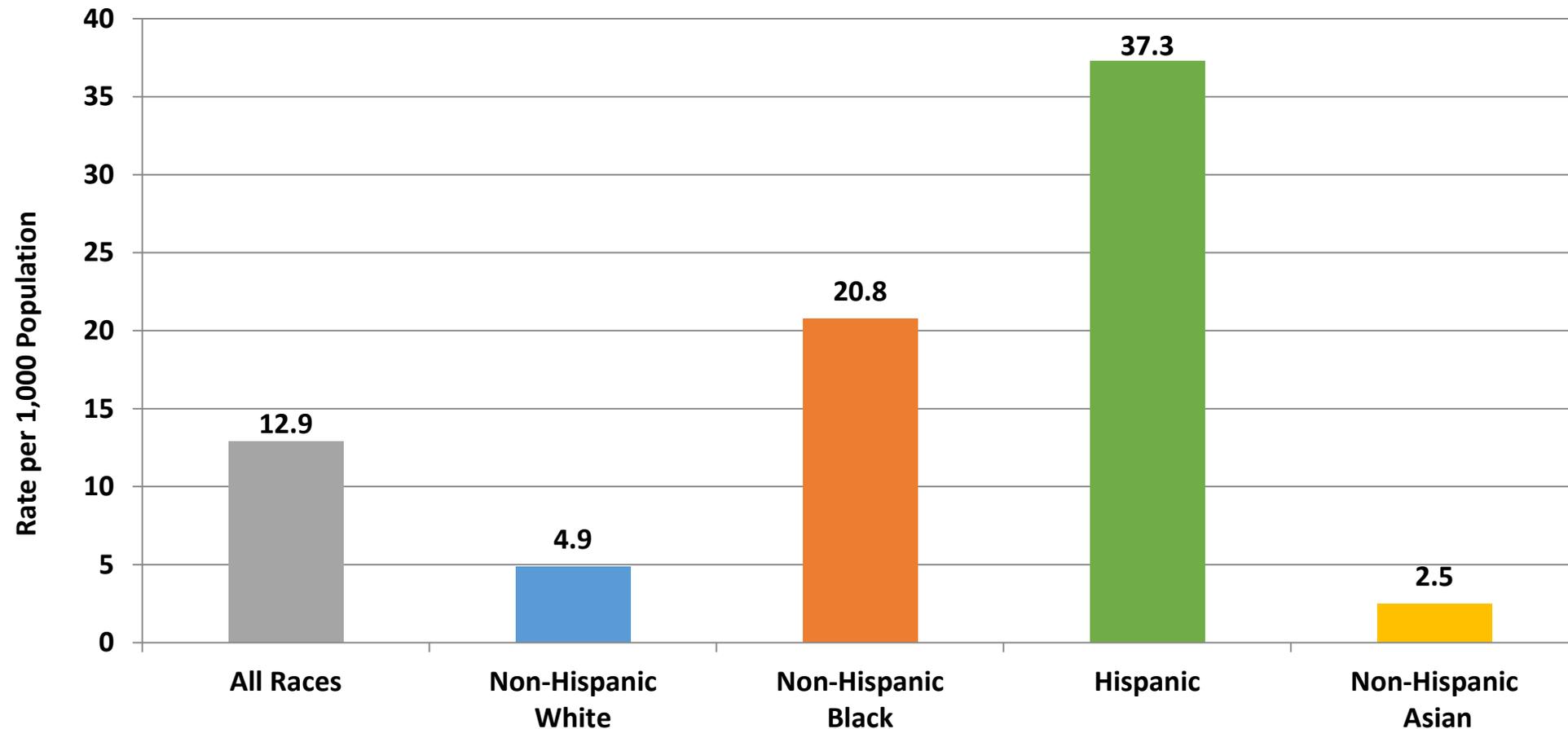


Age-adjusted Rates For Leading Causes Of Premature Mortality (Years Of Potential Life Lost Before 75 Years Of Age) For Males, Connecticut, 2009-2013

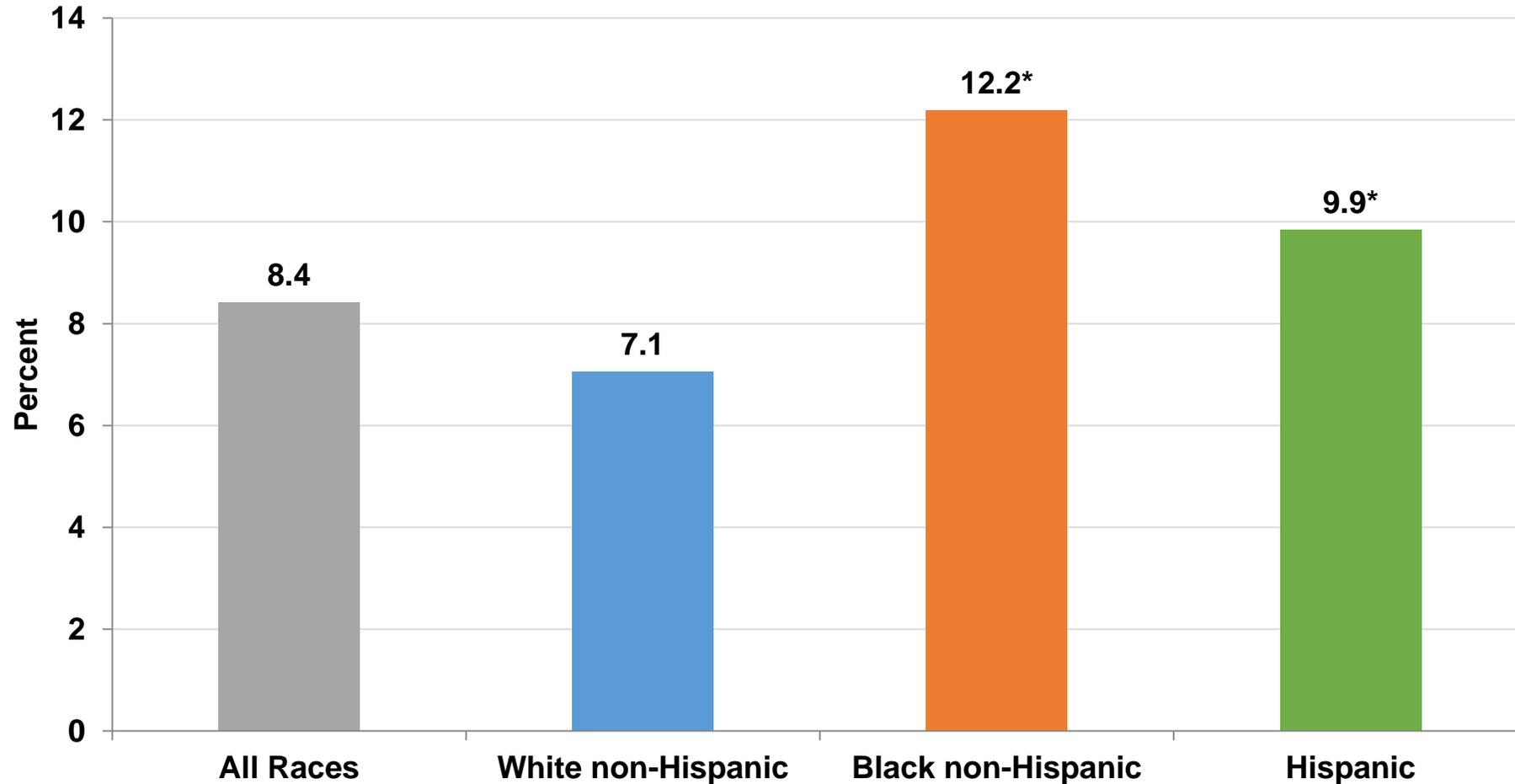


MATERNAL, INFANT, AND CHILD HEALTH

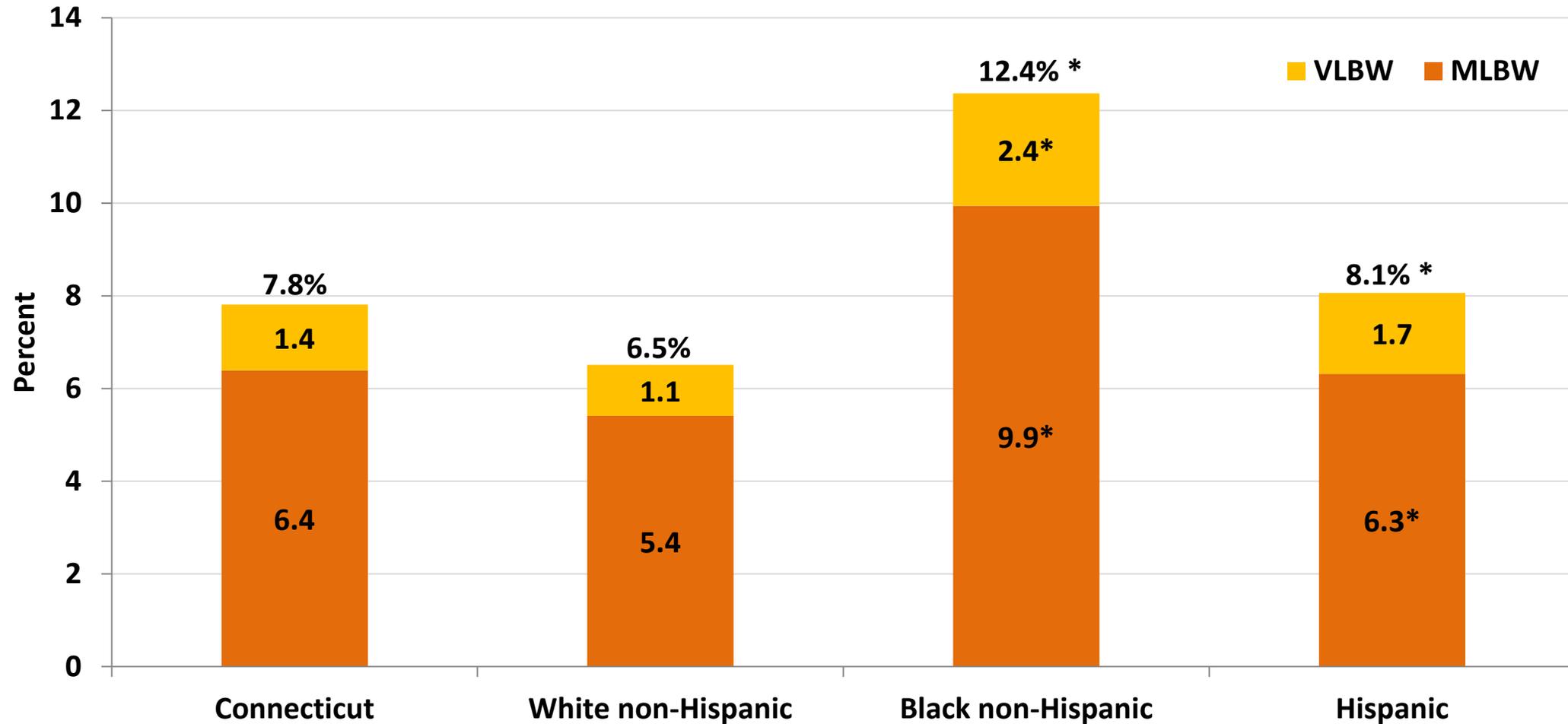
Birth Rate To Teen Mothers (15-19 Years Of Age), by Race and Ethnicity, Connecticut, 2013



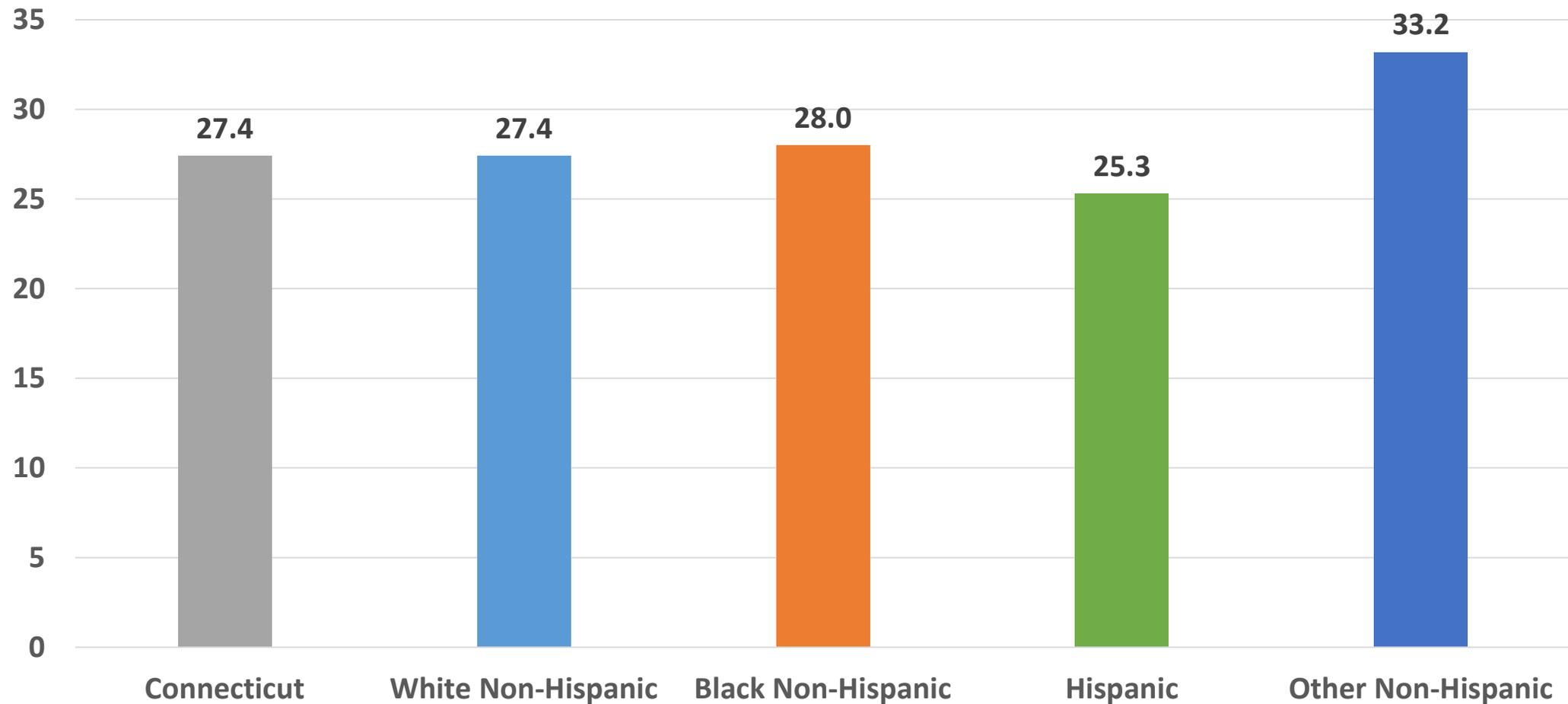
Percent Of Singleton Pre-Term Births, by Race and Ethnicity, Connecticut, 2013



Low Birthweight: Very Low, Moderate, and Total, by Race and Ethnicity, Connecticut, 2013



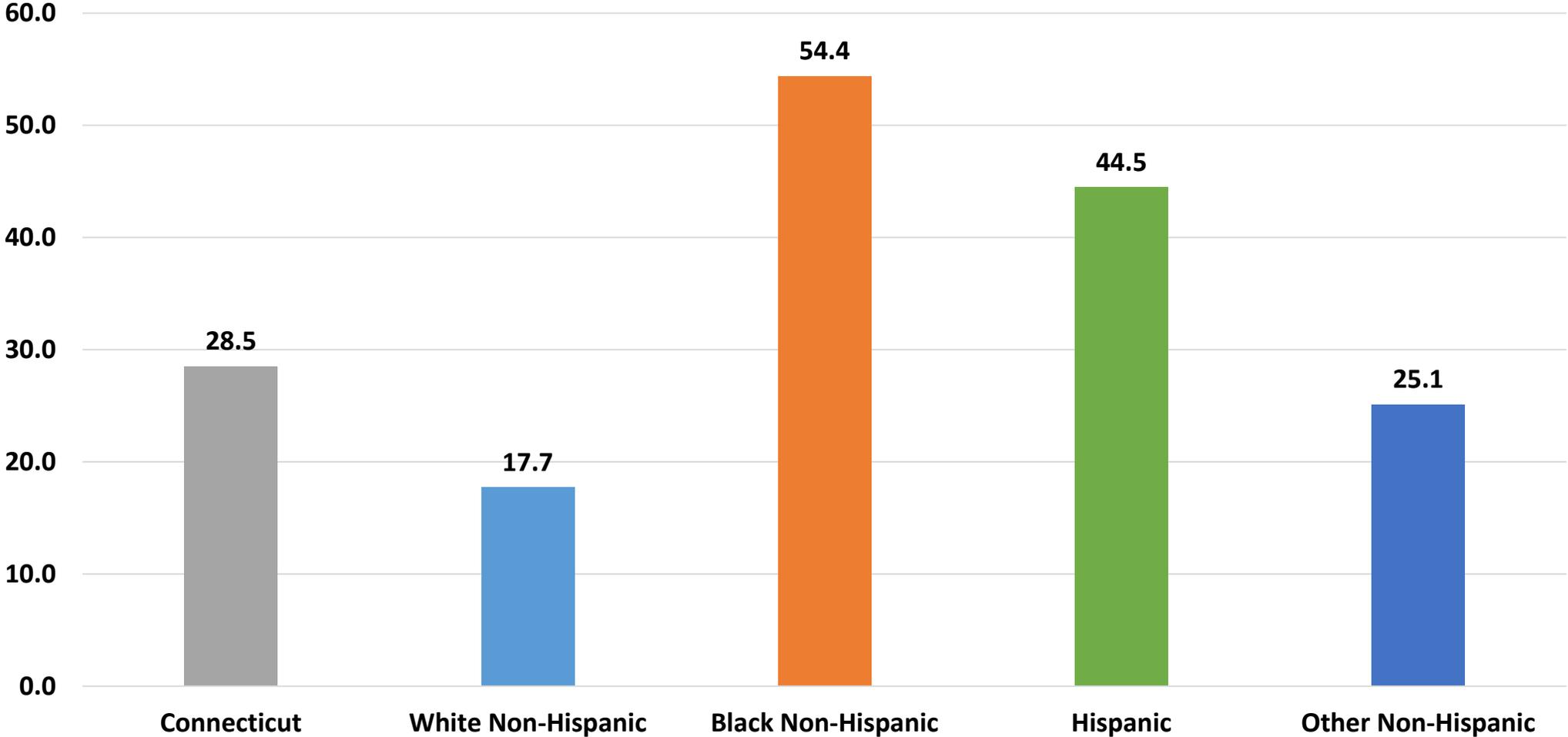
Percent Of Women Who Had A Preconception Health Discussion with a Health Care Provider in the 12 Months Prior to Pregnancy, by Maternal Race and Ethnicity, Connecticut, 2013



Data Source: CT Pregnancy Risk Assessment Monitoring Systems (PRAMS)



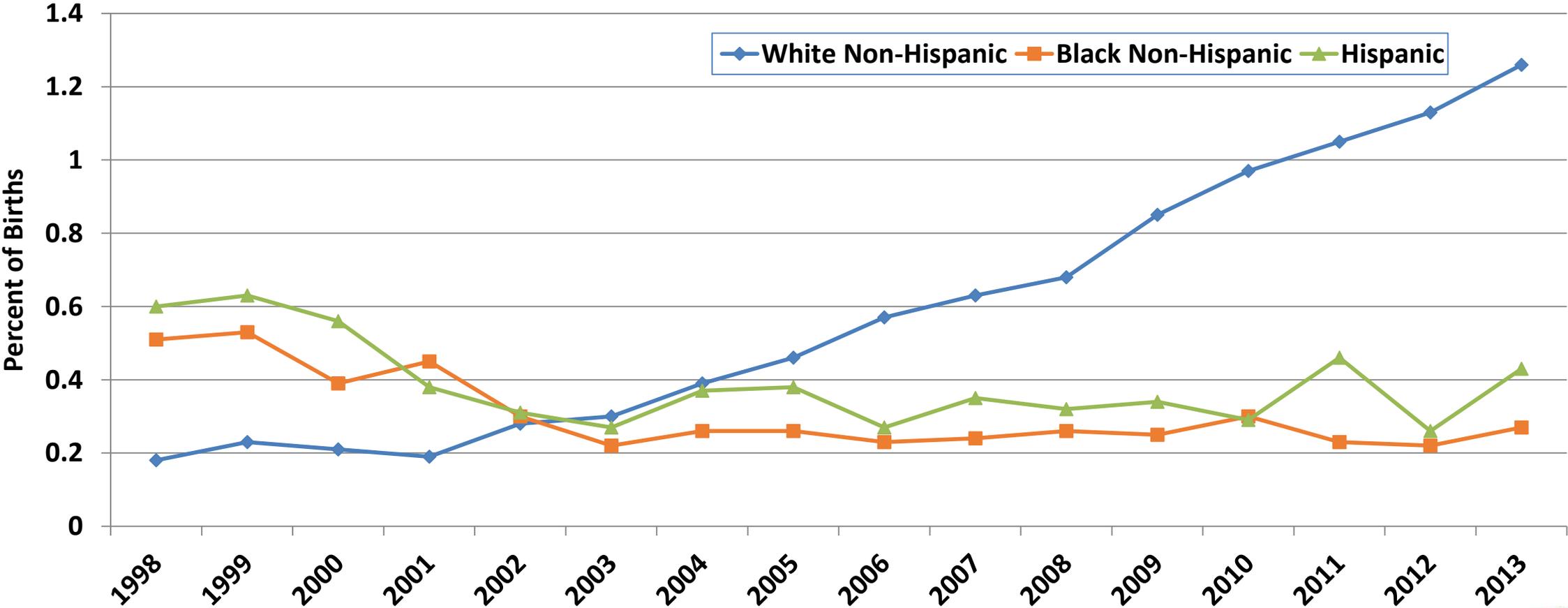
Percent of Women With An Unplanned Pregnancy, by Maternal Race and Ethnicity, Connecticut, 2013



Data Source: CT Pregnancy Risk Assessment Monitoring Systems (PRAMS)



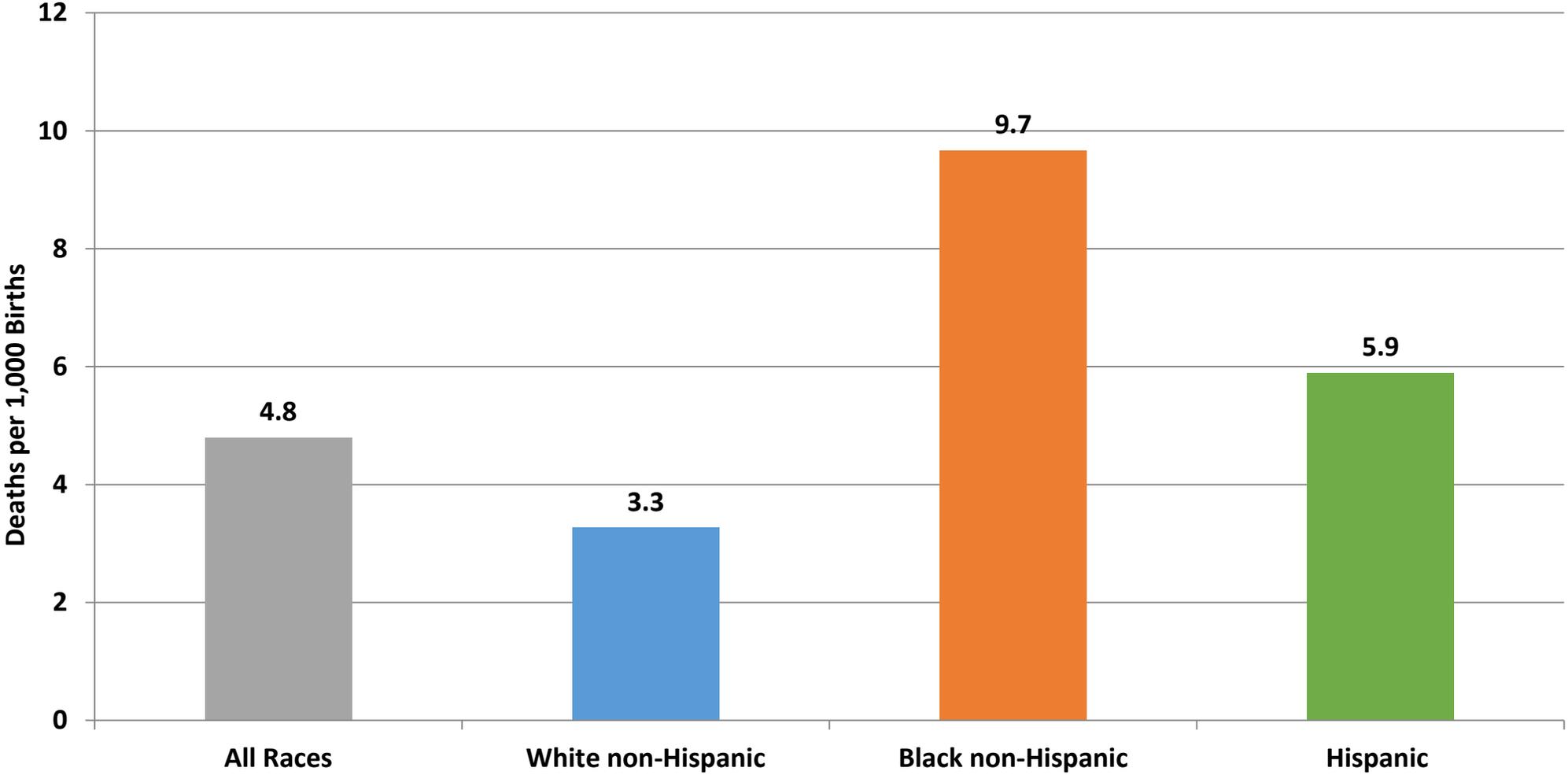
Percent Of Children Born With Neonatal Abstinence Syndrome, by Race and Ethnicity, Connecticut, 1998-2013



Data Source: Source: Connecticut DPH, HSS, 2016



Infant Mortality Rate, by Mother's Race and Ethnicity, Connecticut, 2011-2013

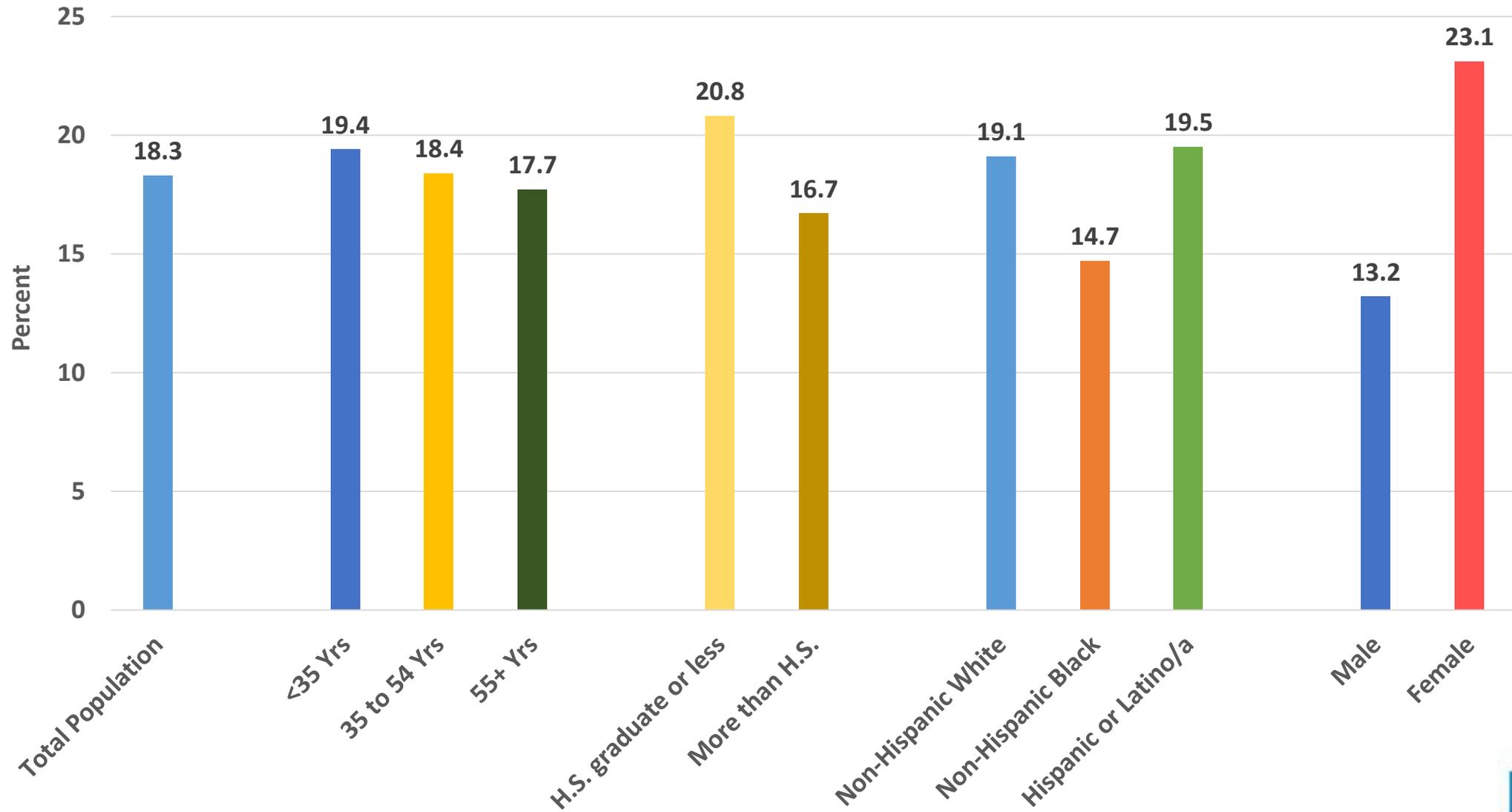


Data Source: CT DPH Vital Statistics, 2016

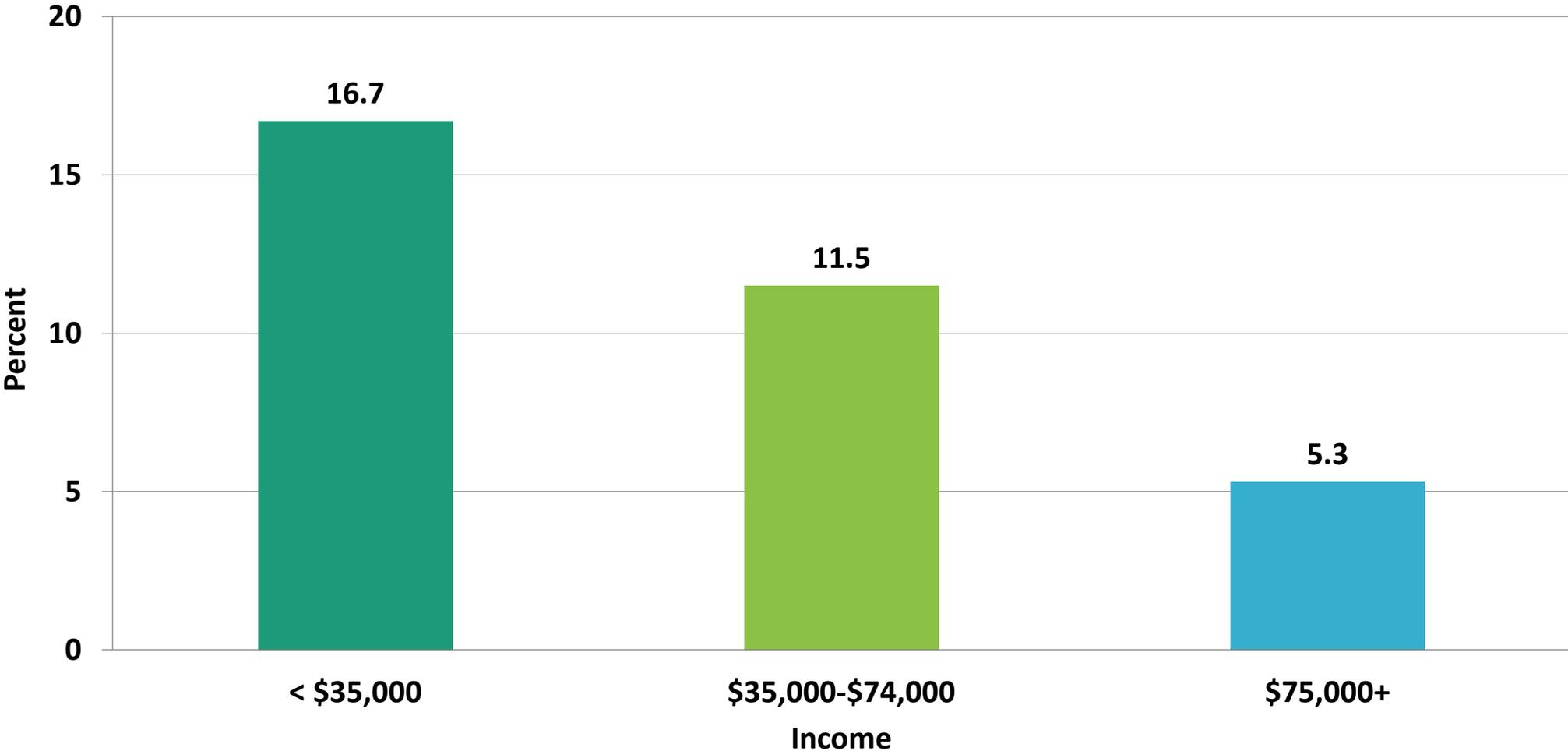


MENTAL HEALTH, ALCOHOL, AND SUBSTANCE ABUSE

Percent of Adults with Depressive Disorder, Connecticut, 2014



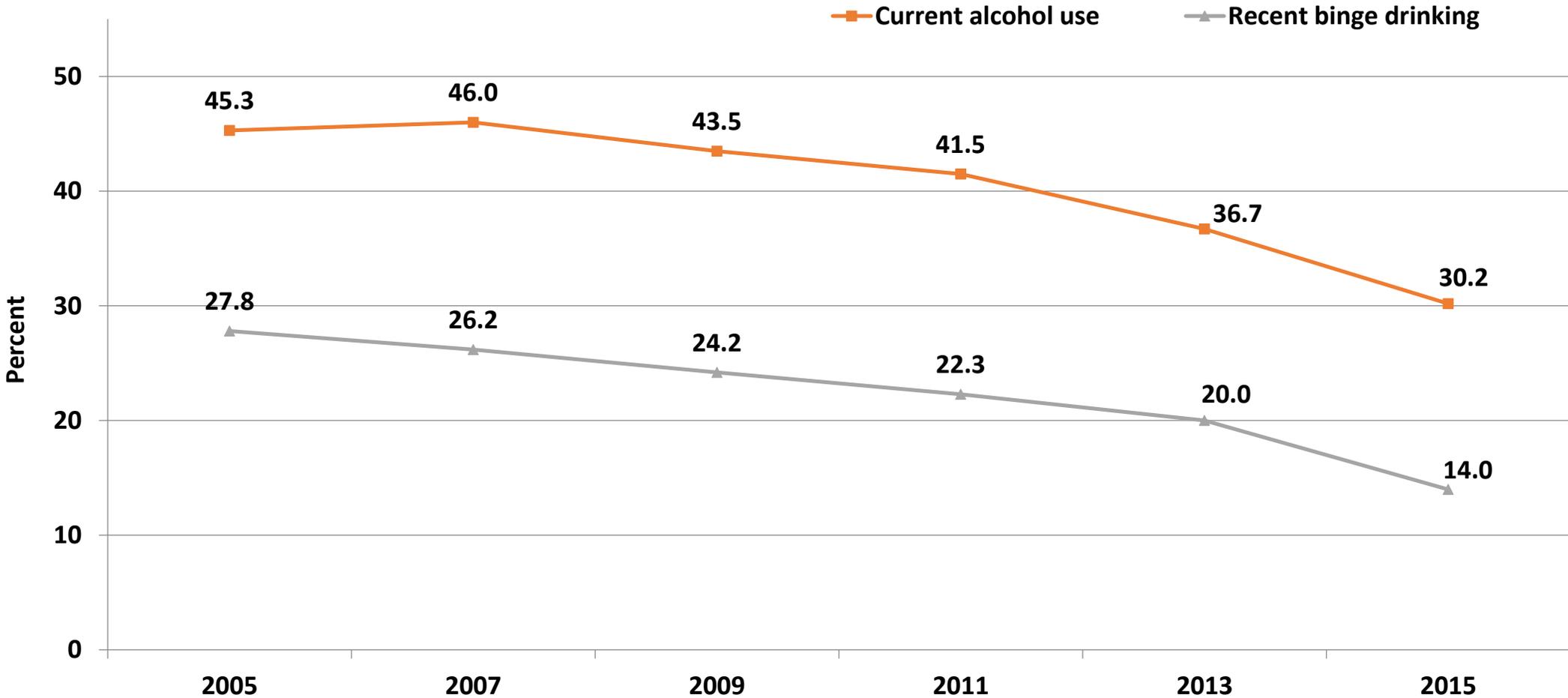
Percent of Adults Who Had at Least 14 Poor Mental Health Days in the Past Month, by Education, Connecticut, 2014



Data source: CT DPH http://www.ct.gov/dph/lib/dph/hisr/pdf/brfss2014_ct_report.pdf 2016



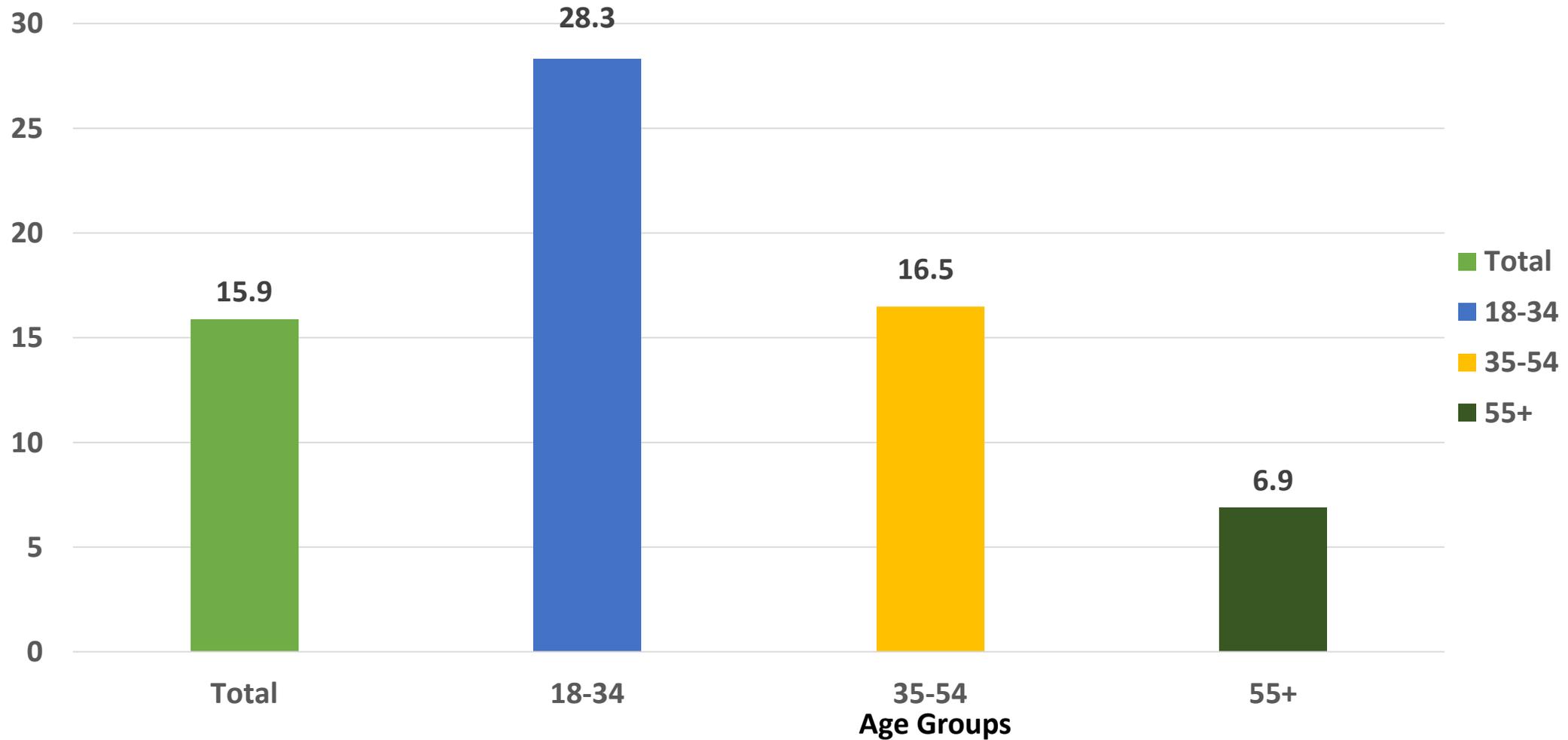
Current Alcohol Use and Binge Drinking Among Youth (Grades 9-12), Connecticut, 2005-2015



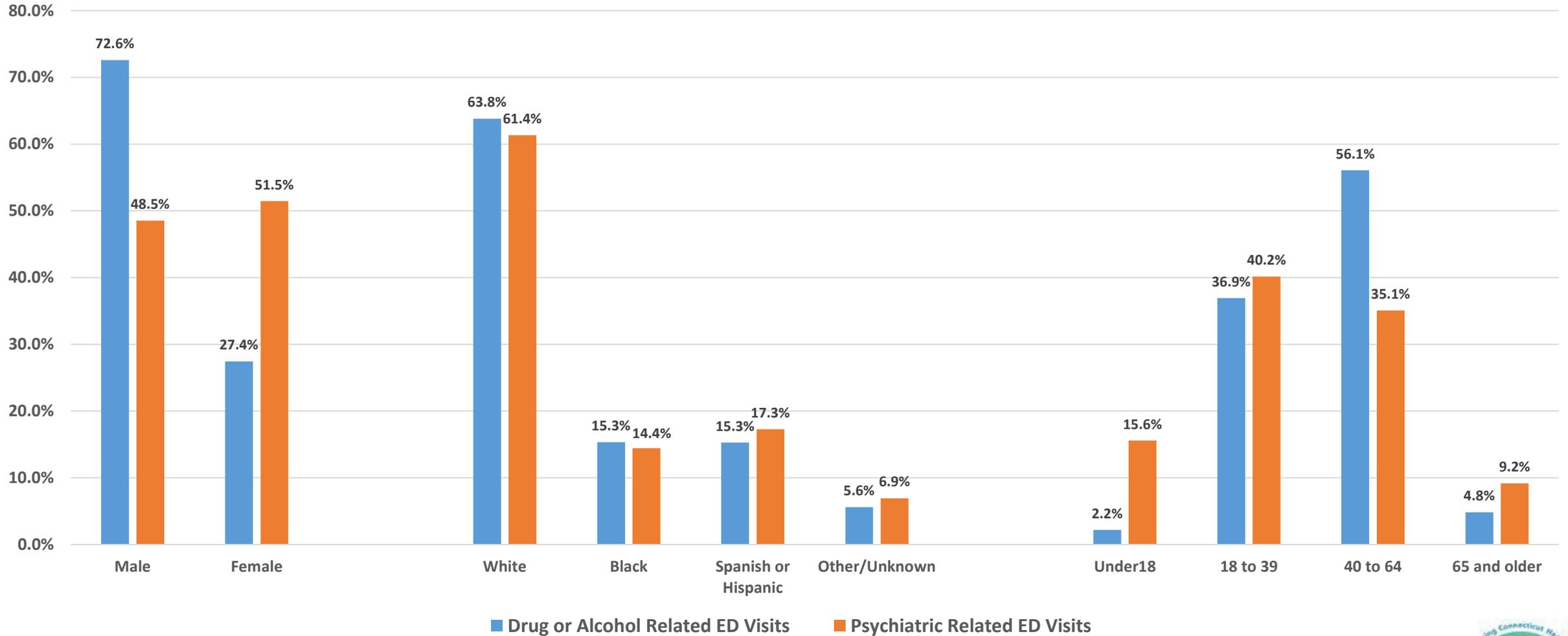
Data Source: Connecticut School Health Survey, Youth Behavior Component (YRBS), 2005 - 2015



Percent of Adults Who Binge Drink Alcoholic Beverages, by Age Group, Connecticut, 2014

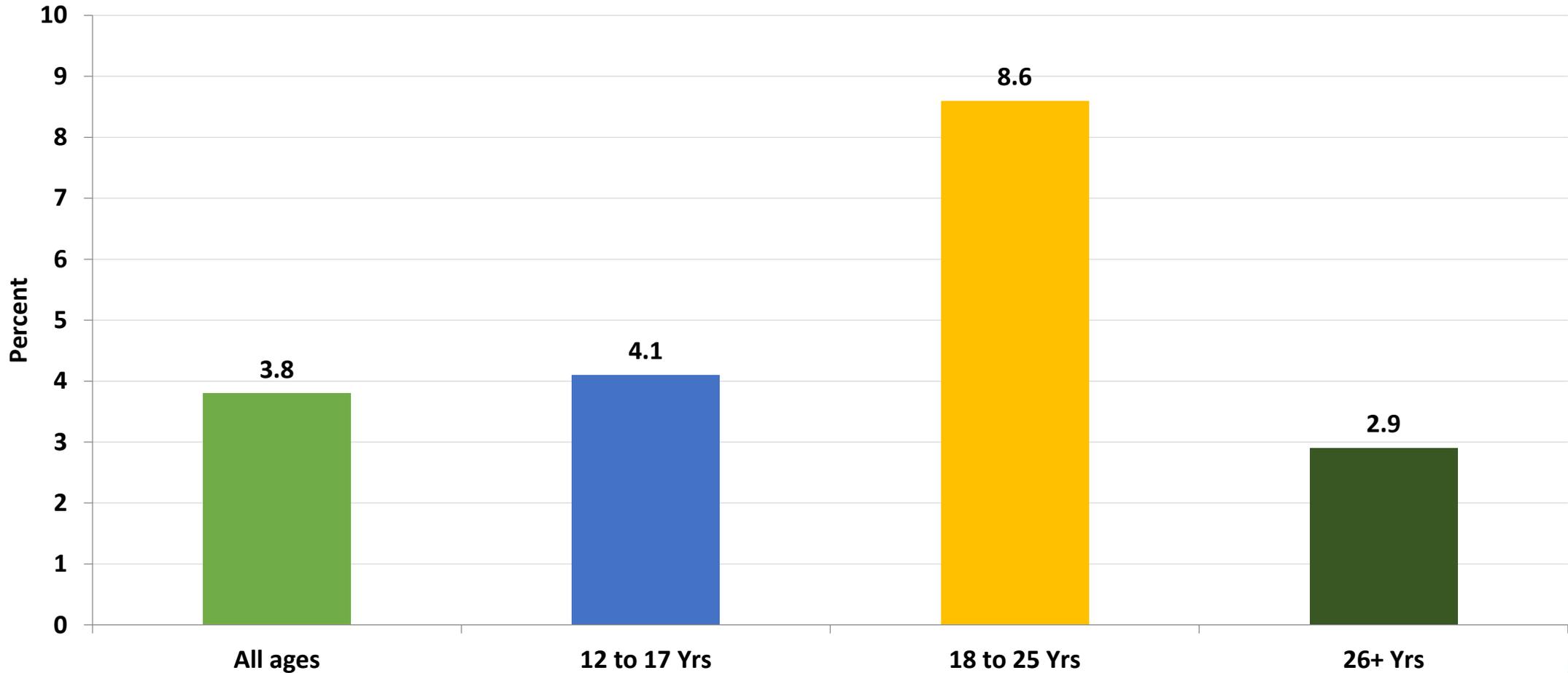


Emergency Department Visits for Psychiatric and Drug or Alcohol-Related Mental Disorders, Connecticut, 2012 to 2014

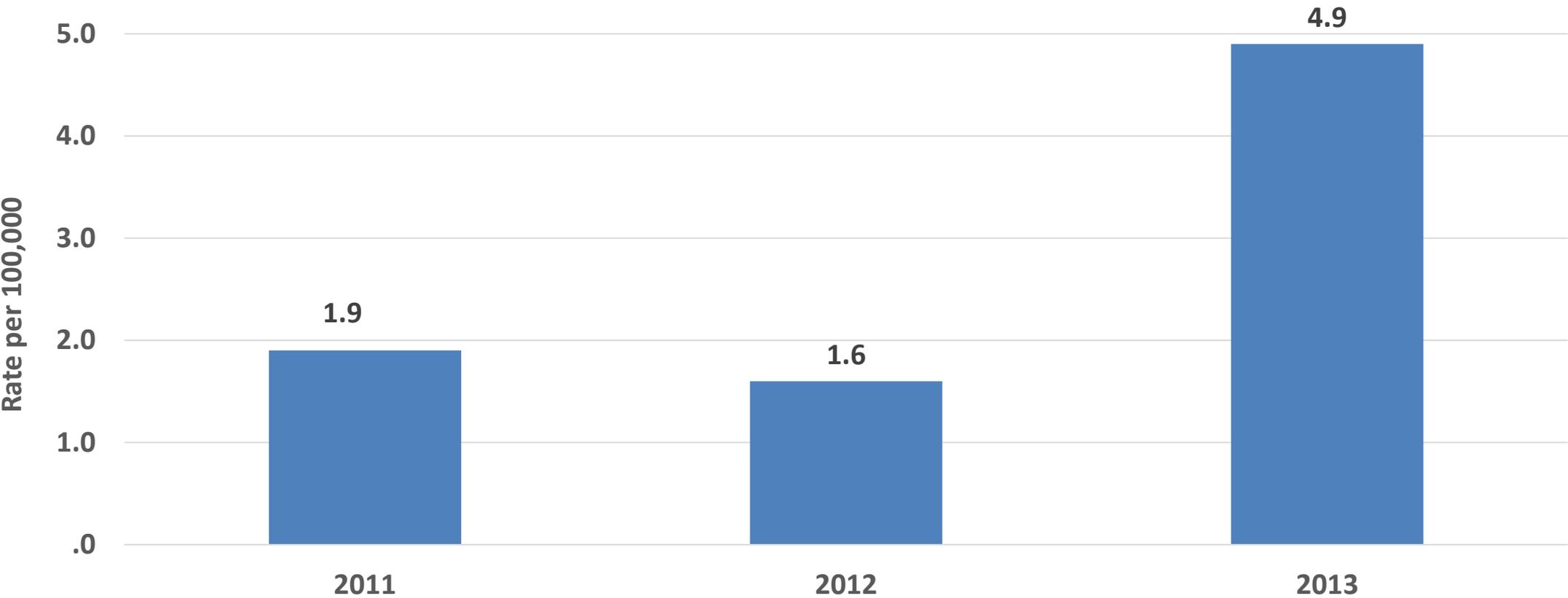


Data Sources: Connecticut Department of Public Health, Office of Health Care Access Acute Care General Hospitals Inpatient Discharge Database System and Connecticut Hospital Association (CHA)/CHIME Emergency Room Database System

Non-medical Use of Pain Relievers in Past Year, by Age Group, Connecticut, 2013-2014



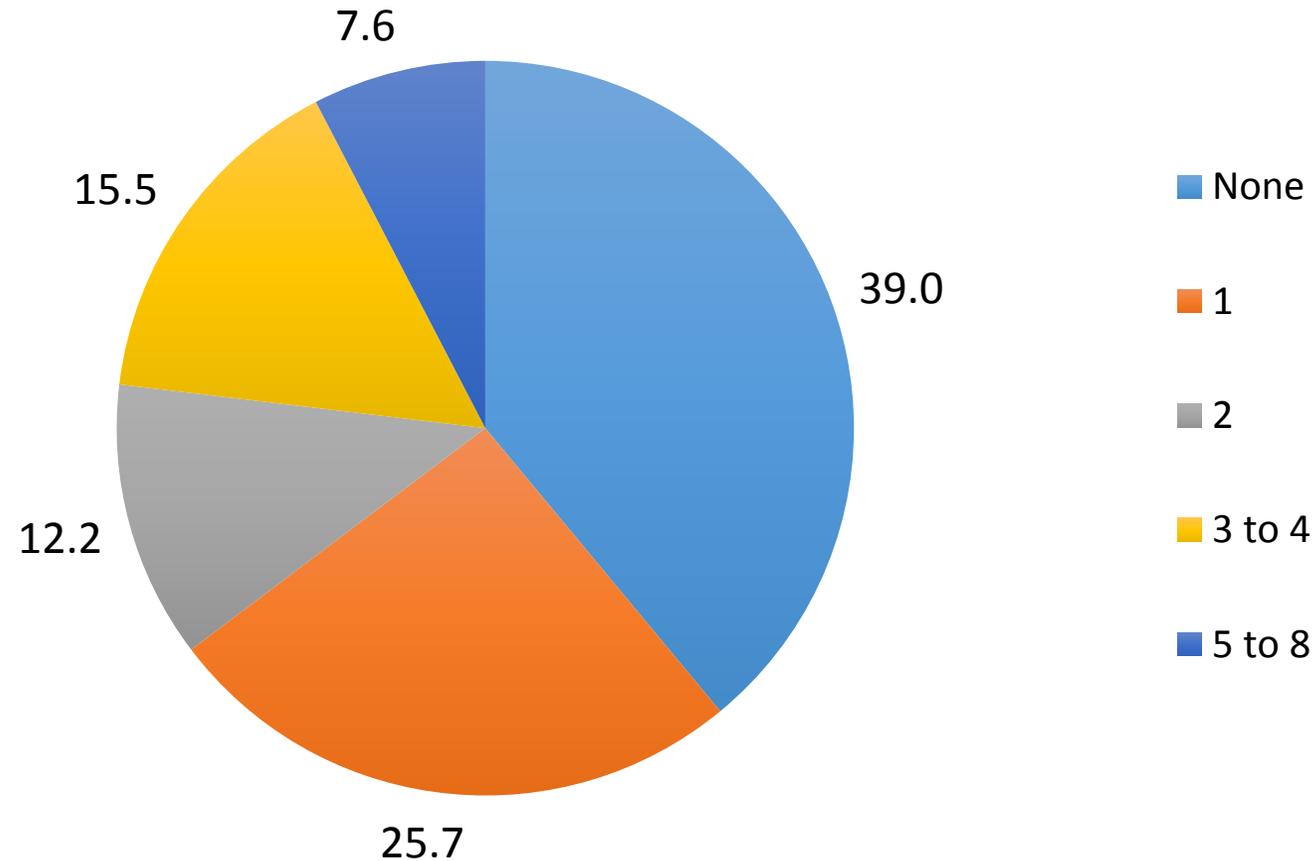
Rate of Unintentional Prescription Opioid Overdose Deaths per 100,000 Connecticut Residents, 2011-2013



Data Source: CT DPH Office of Injury Prevention, Mortality Data

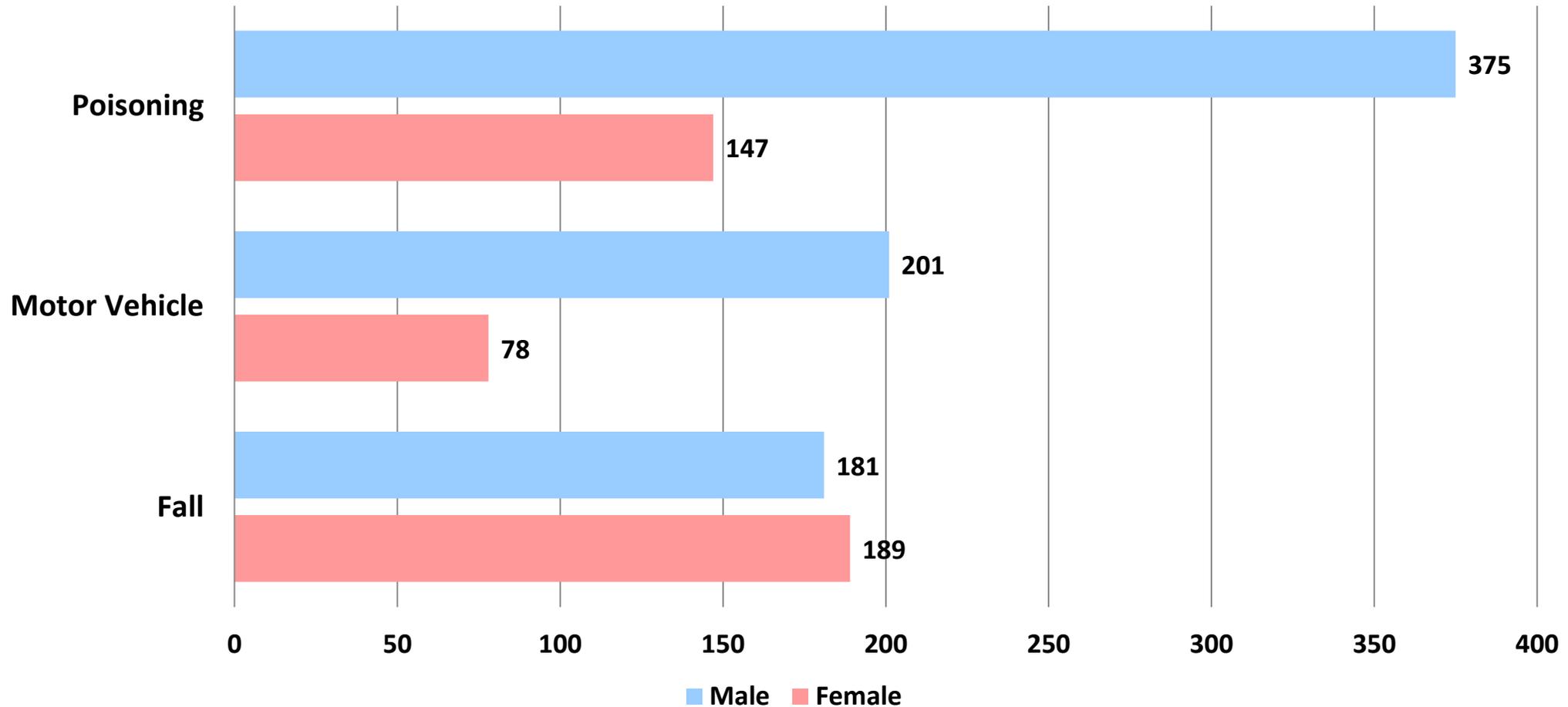


Percent of Adults Who Report Adverse Childhood Experiences, by Number of Adverse Childhood Experiences, Connecticut, 2013

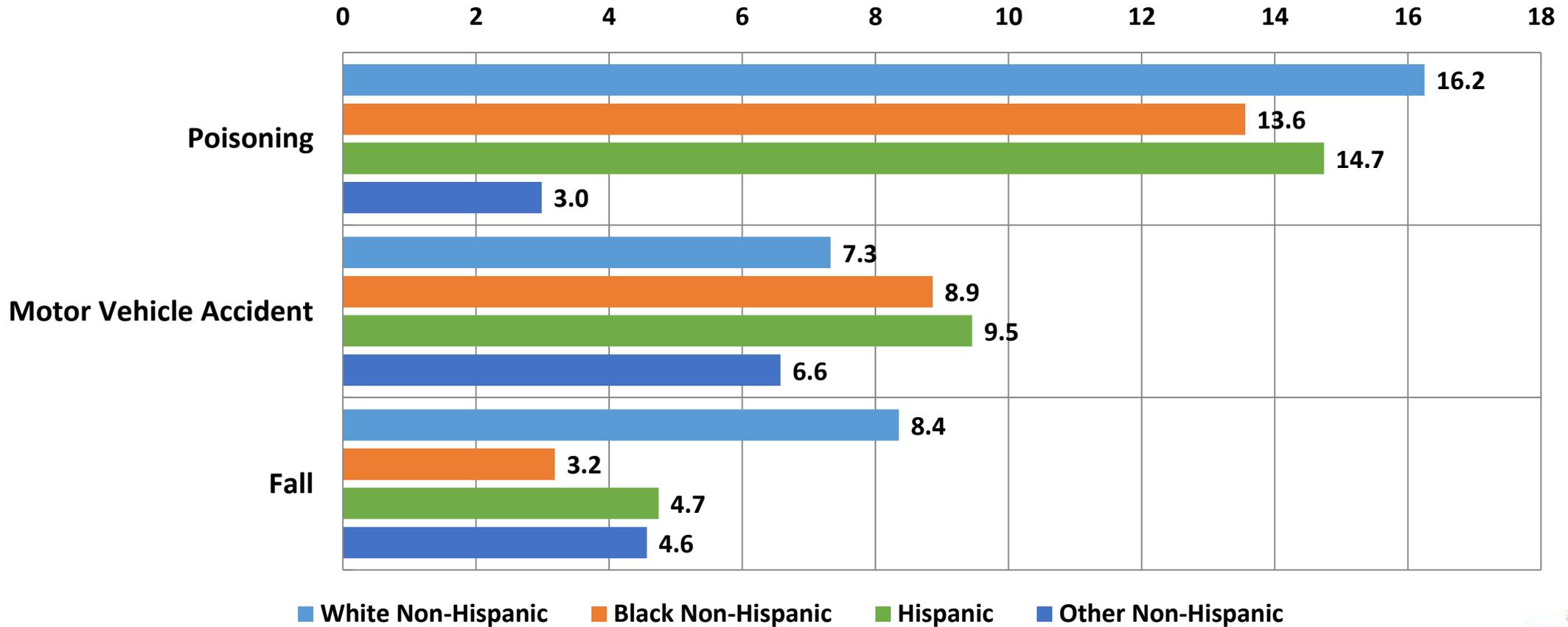


INJURY AND VIOLENCE PREVENTION

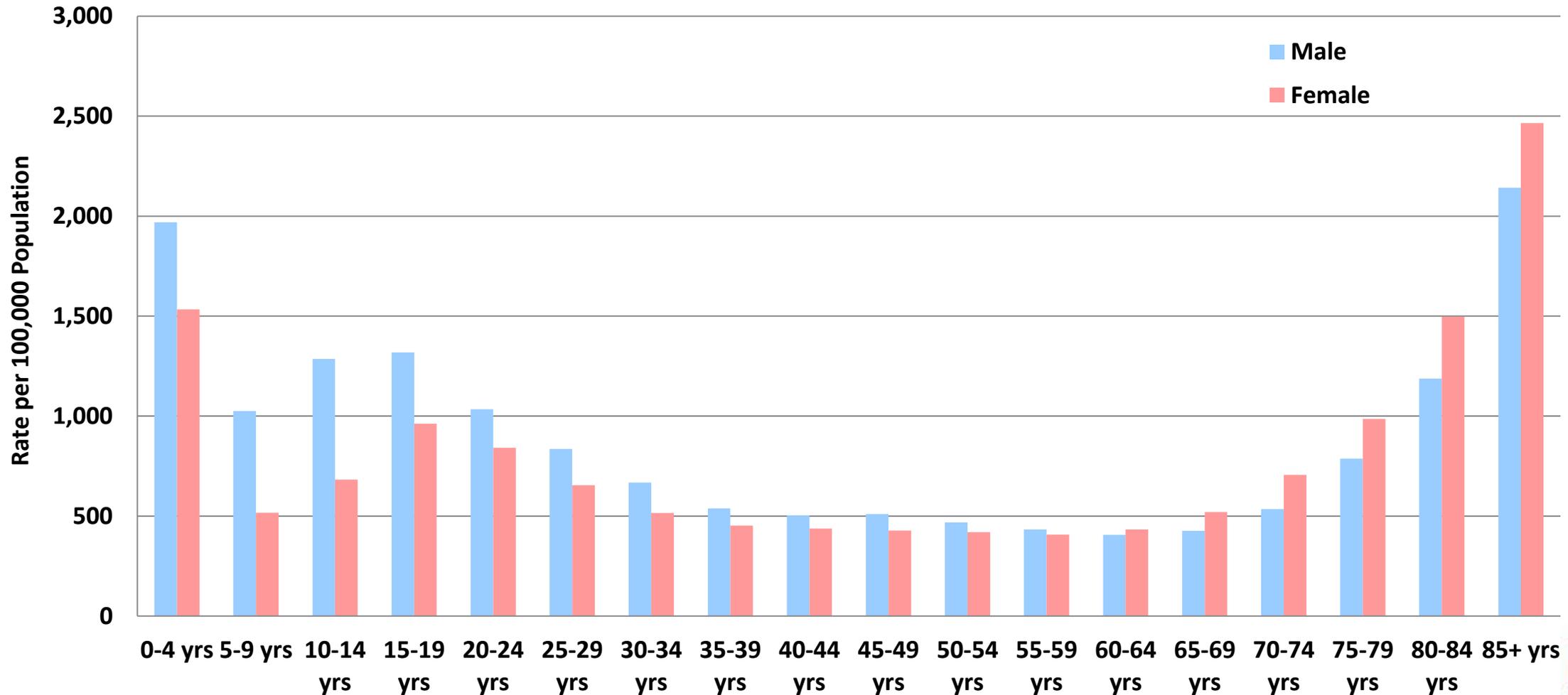
Number of Unintentional Injury Deaths in Connecticut Residents, by Primary Cause of Death and Sex, 2013



Age-Adjusted Rate of Unintentional Injury Deaths per 100,000 Connecticut Residents, by Cause of Death and Race and Ethnicity, 2013



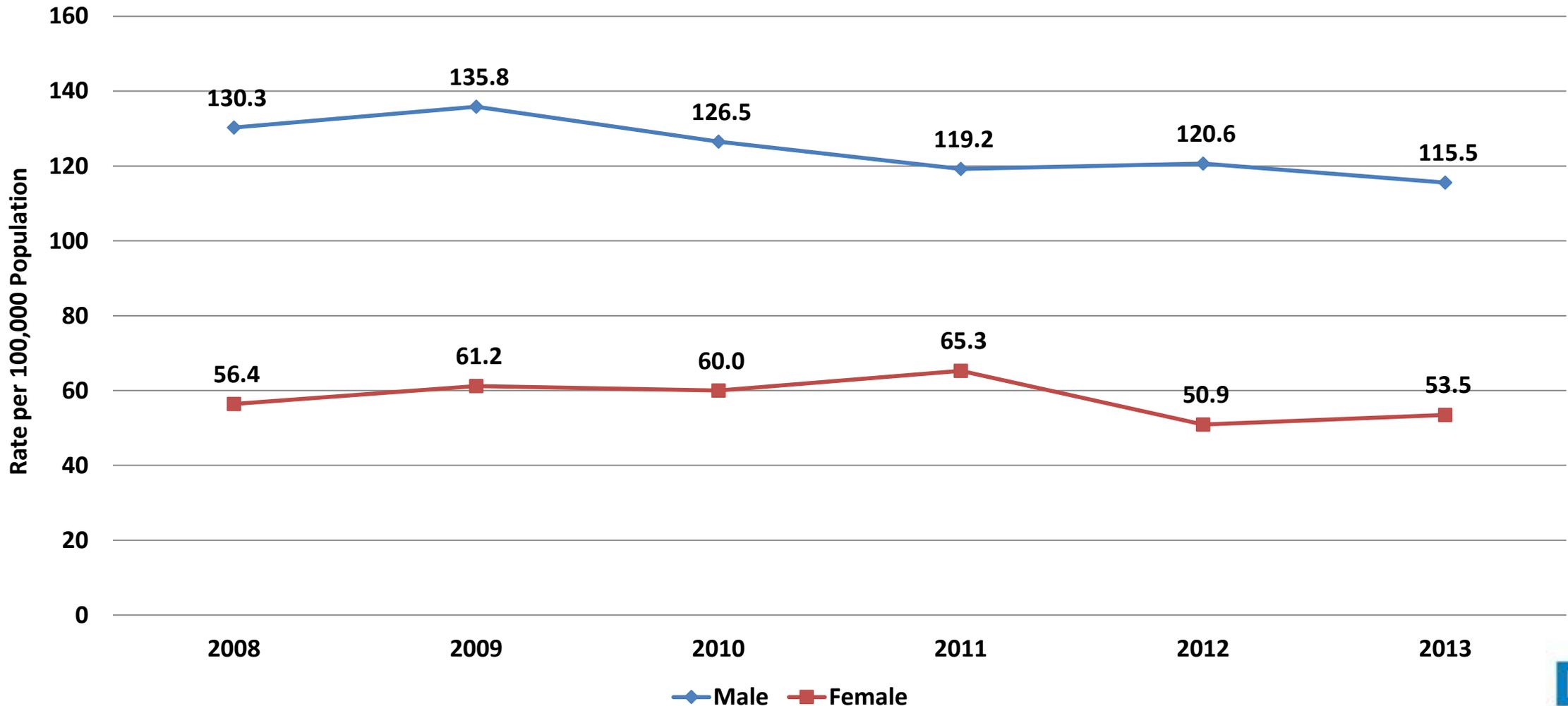
Average Annual Rate of Traumatic Brain Injury ED Visits per 100,000 Connecticut Residents, by Age and Sex, 2008-2013



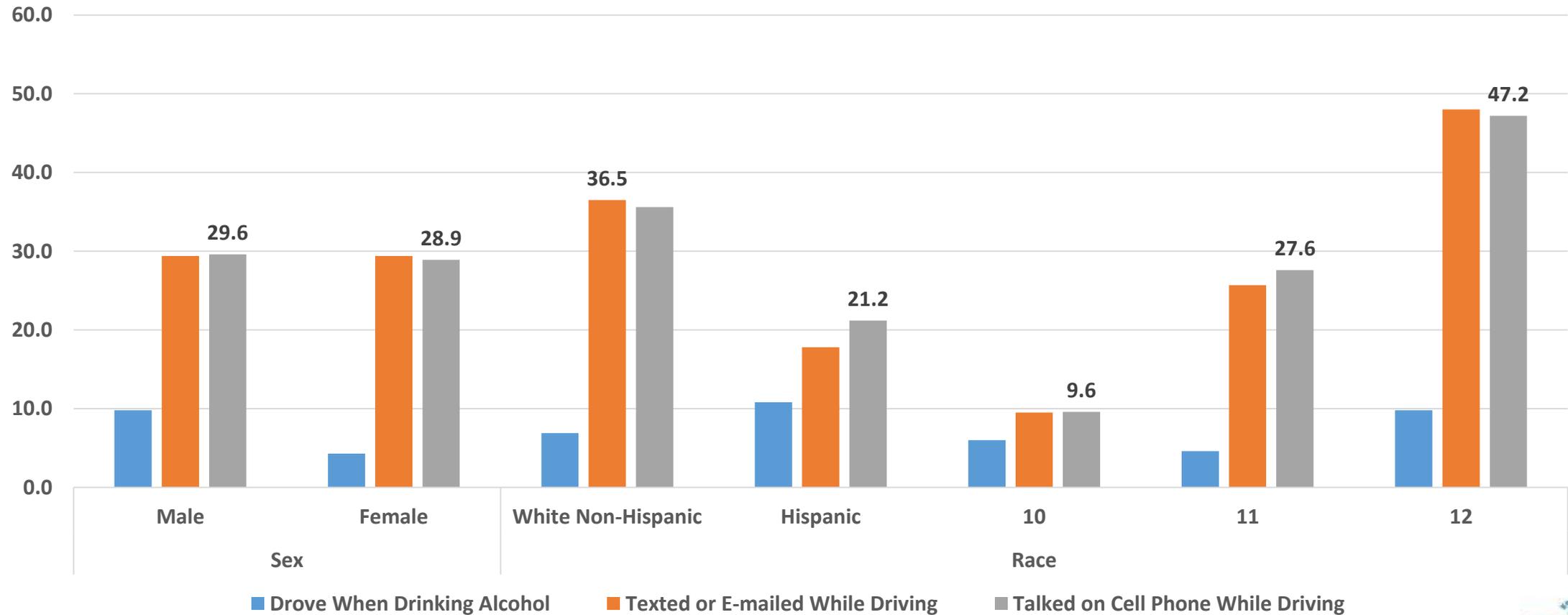
Data Source: CT DPH, Hospital Discharge Database



Age-Adjusted Rate of Traumatic Brain Injury Hospitalizations per 100,000 Connecticut Residents, by Sex 2008-2013



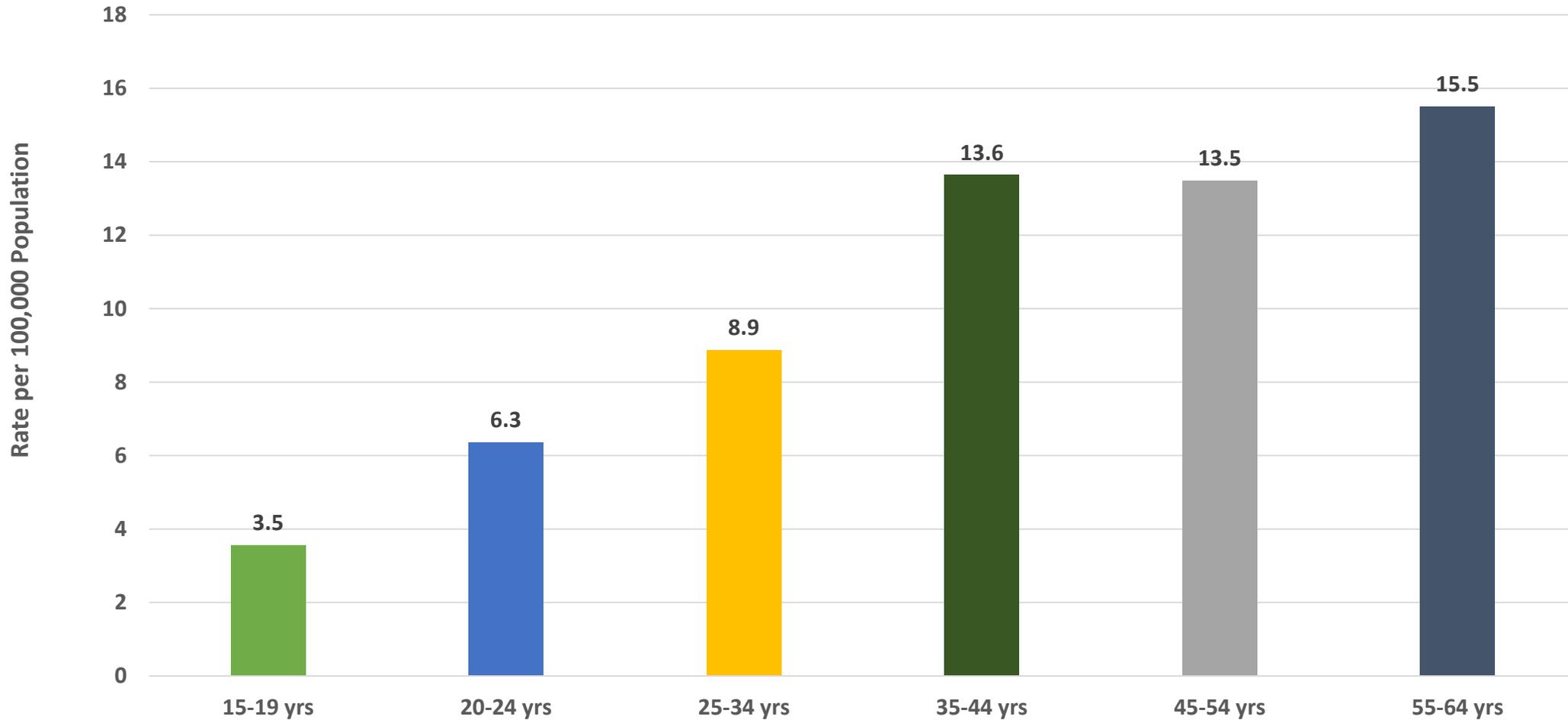
Percent of Students (Grades 10-12) Who Engaged in Unsafe Driving Among Students Who Drove a Car or Other Vehicle in the Past 30 Days, Connecticut, 2015



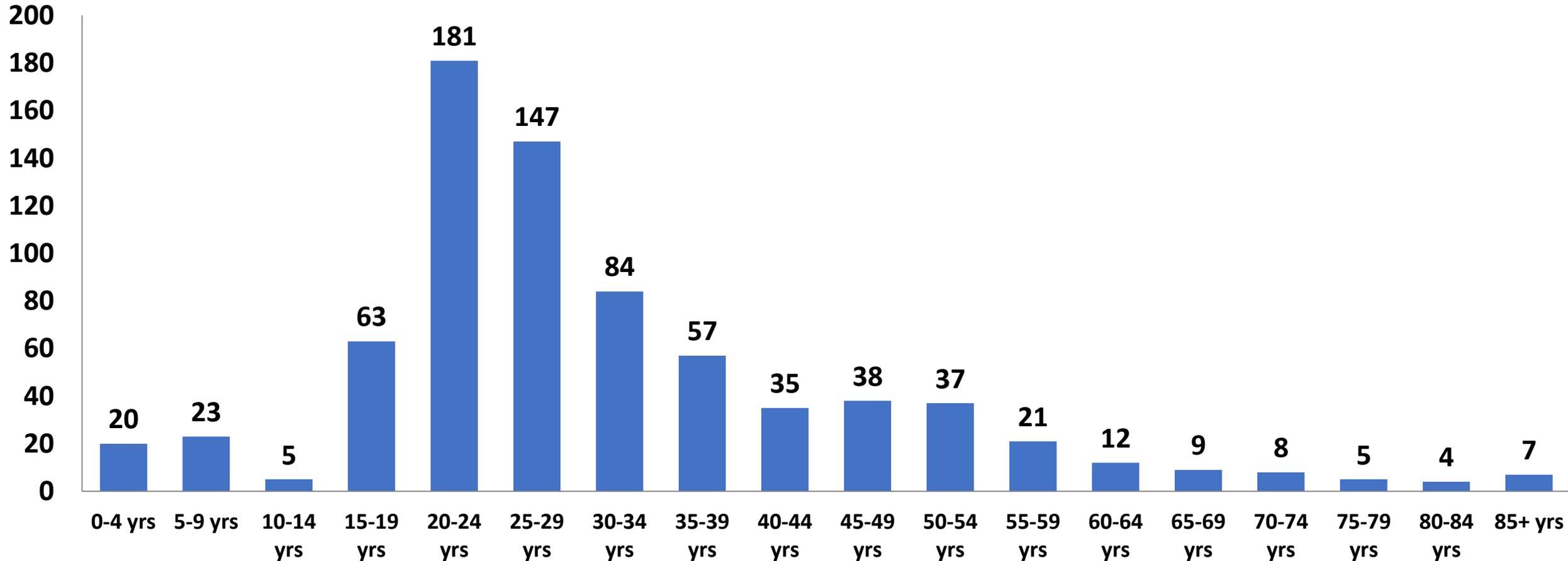
Data Source: 2015 Connecticut School Health Survey, Youth Behavior Component (YRBS)



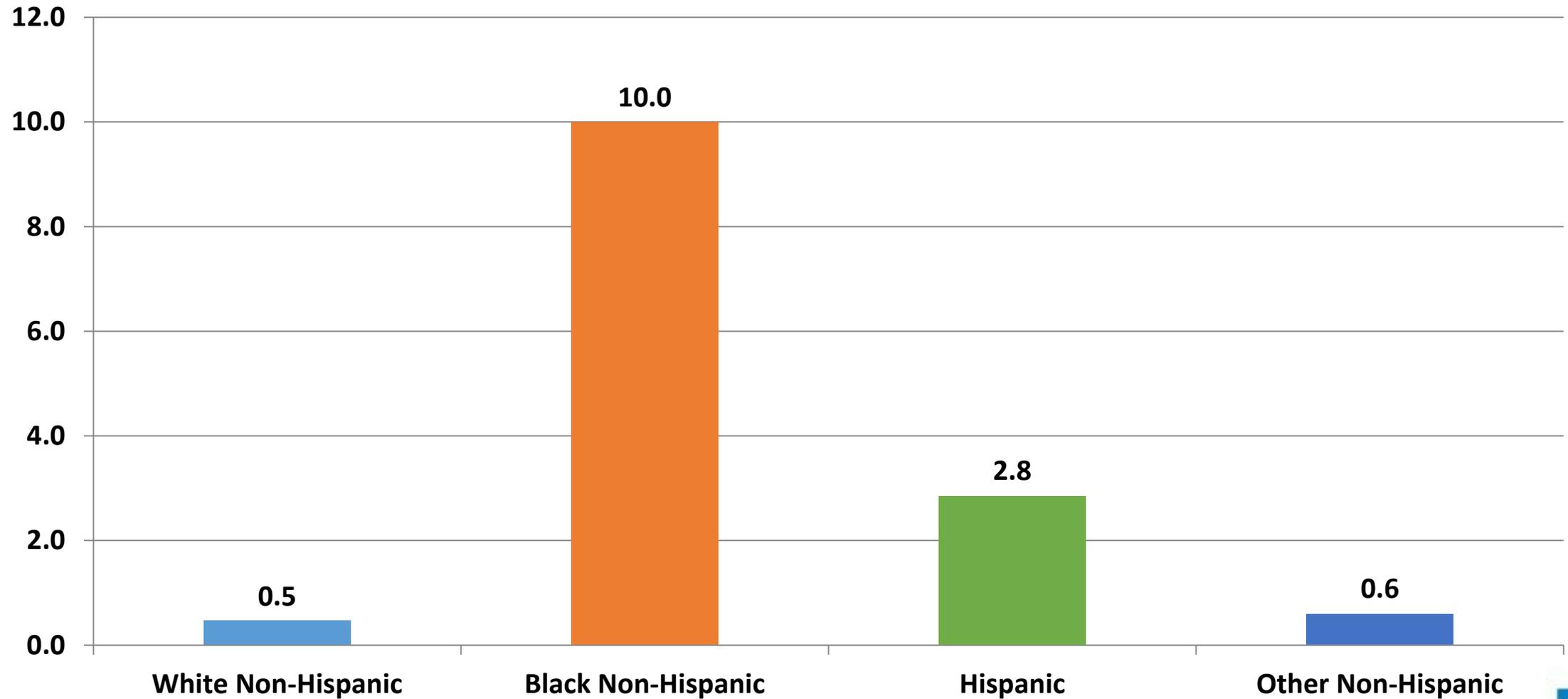
Rate of Suicides per 100,000 Connecticut Residents, by Selected Age Group, 2013



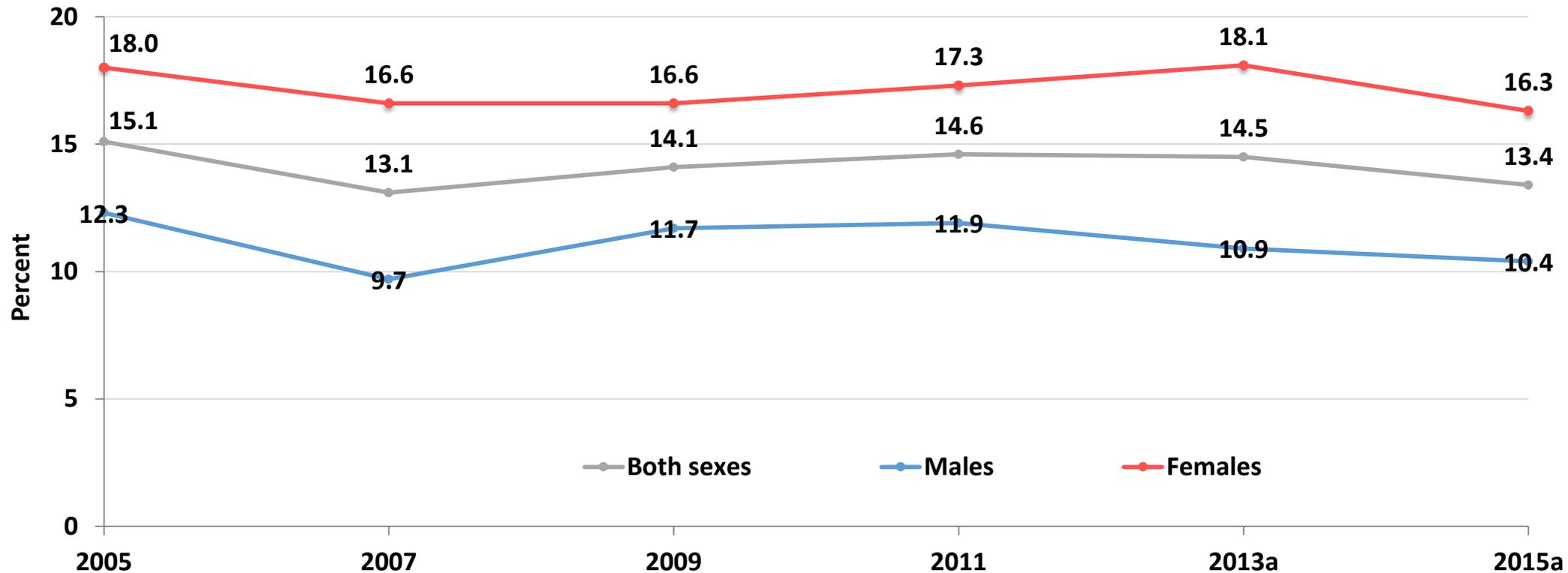
Number of Homicides in Connecticut, Residents by Age 2008-2013



Firearm Homicide Crude Rate per 100,000 Connecticut Residents, by Race and Ethnicity, 2013



Percent of Students (Grades 9-12) Who Reported that they Seriously Considered Attempting Suicide in Past Year, by Sex, Connecticut, 2005-2015

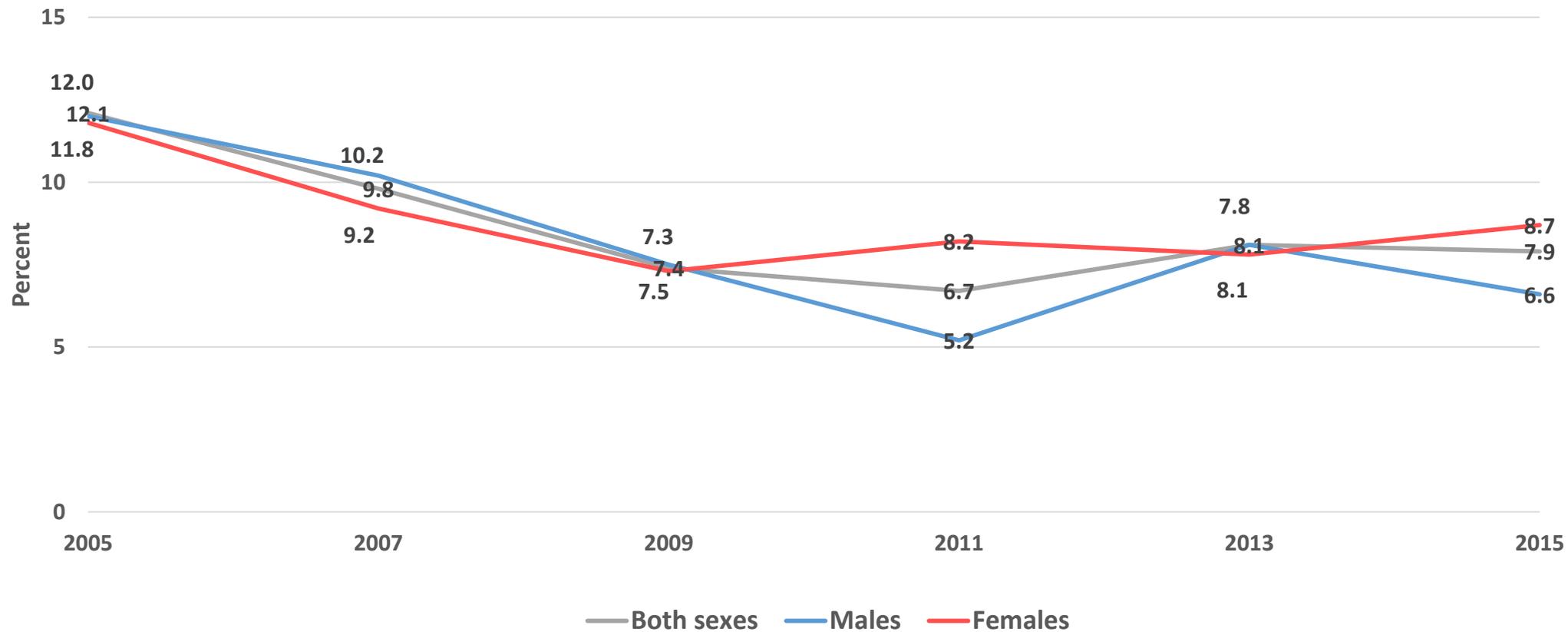


a Females (18.1%) had significantly higher rates than males (10.9%) in 2013 and 2015.

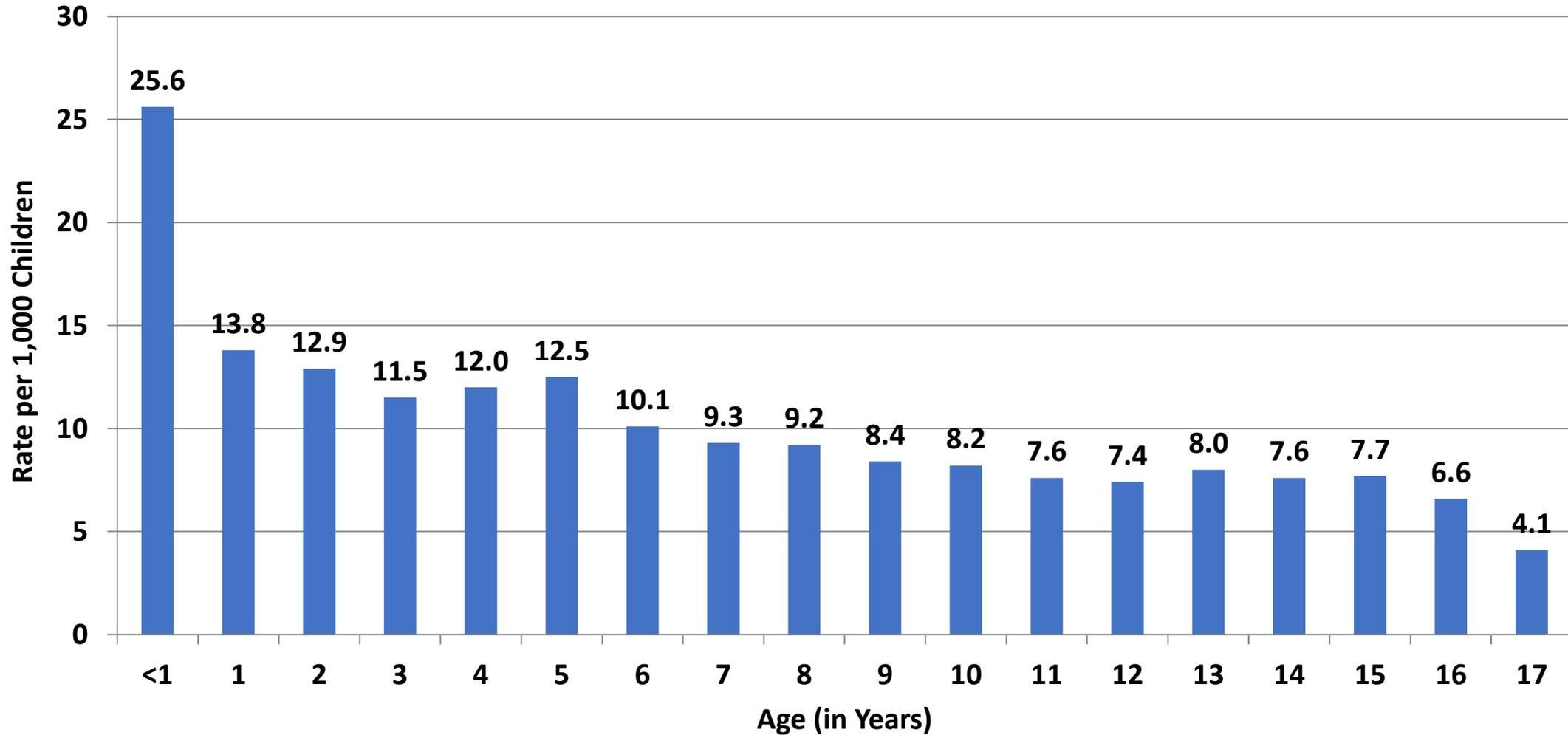
Hispanic rate of attempted suicide was significantly higher than the White non-Hispanic rates in 2011, 2013, and 2015.

Data Source: Connecticut School Health Survey, Youth Behavior Component (YRBS), 2005 - 2015

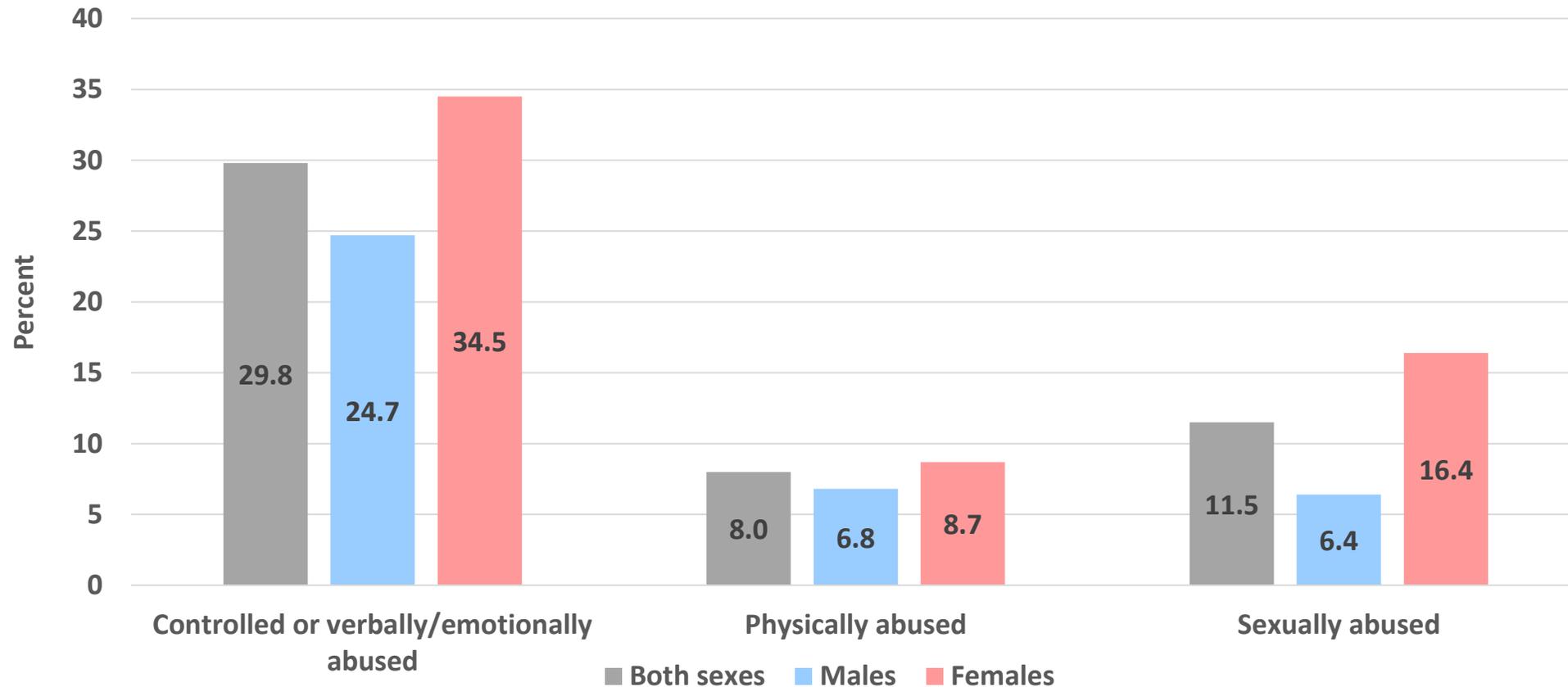
Percent of Students (Grades 9-12) Who Reported that they Attempted Suicide One or More Times in the Past Year, by Sex, Connecticut, 2005 - 2015



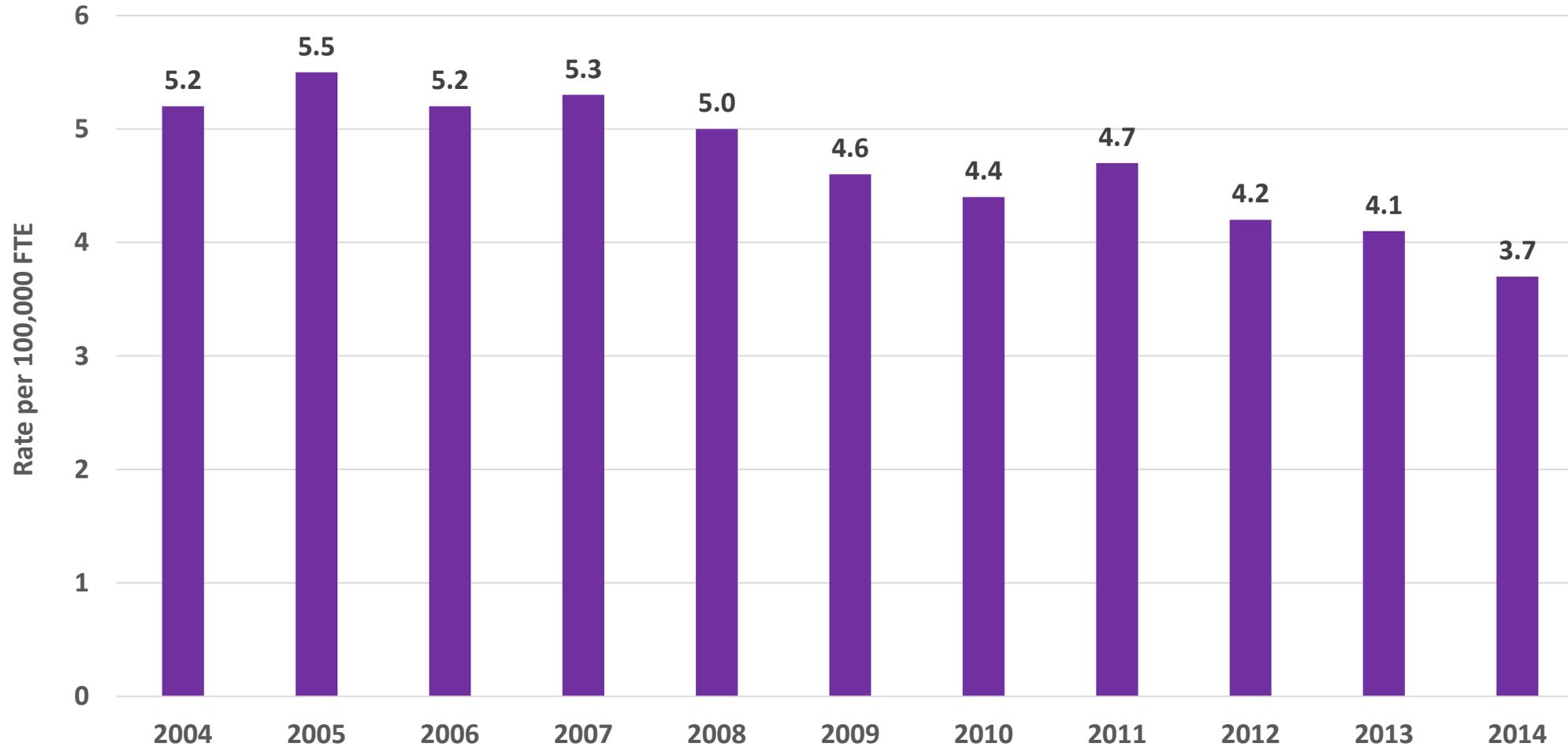
Rate of Child Abuse or Neglect Victims per 1,000 Children in Connecticut, by Age In Years, 2014



Percent of Students (Grades 9-12) Who Have Been Verbally, Physically or Sexually Abused by a Boyfriend or Girlfriend, Connecticut, 2015



Incidence Rates for Work-Related Injuries, Connecticut, 2004-2014

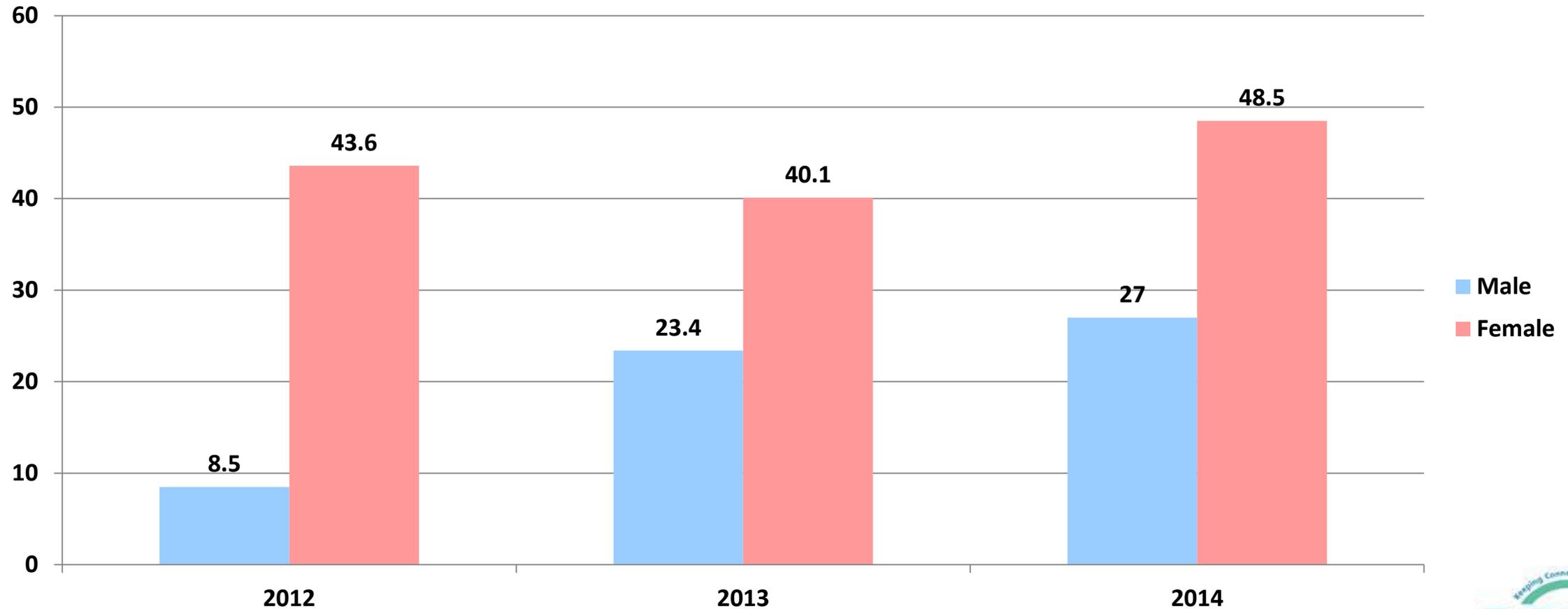


Data Source: Bureau of Labor Statistics, Table 6, Incidence Rates of Nonfatal Occupational Injuries and Illnesses by Industry and Case Types, Connecticut, 2008 & 2011.

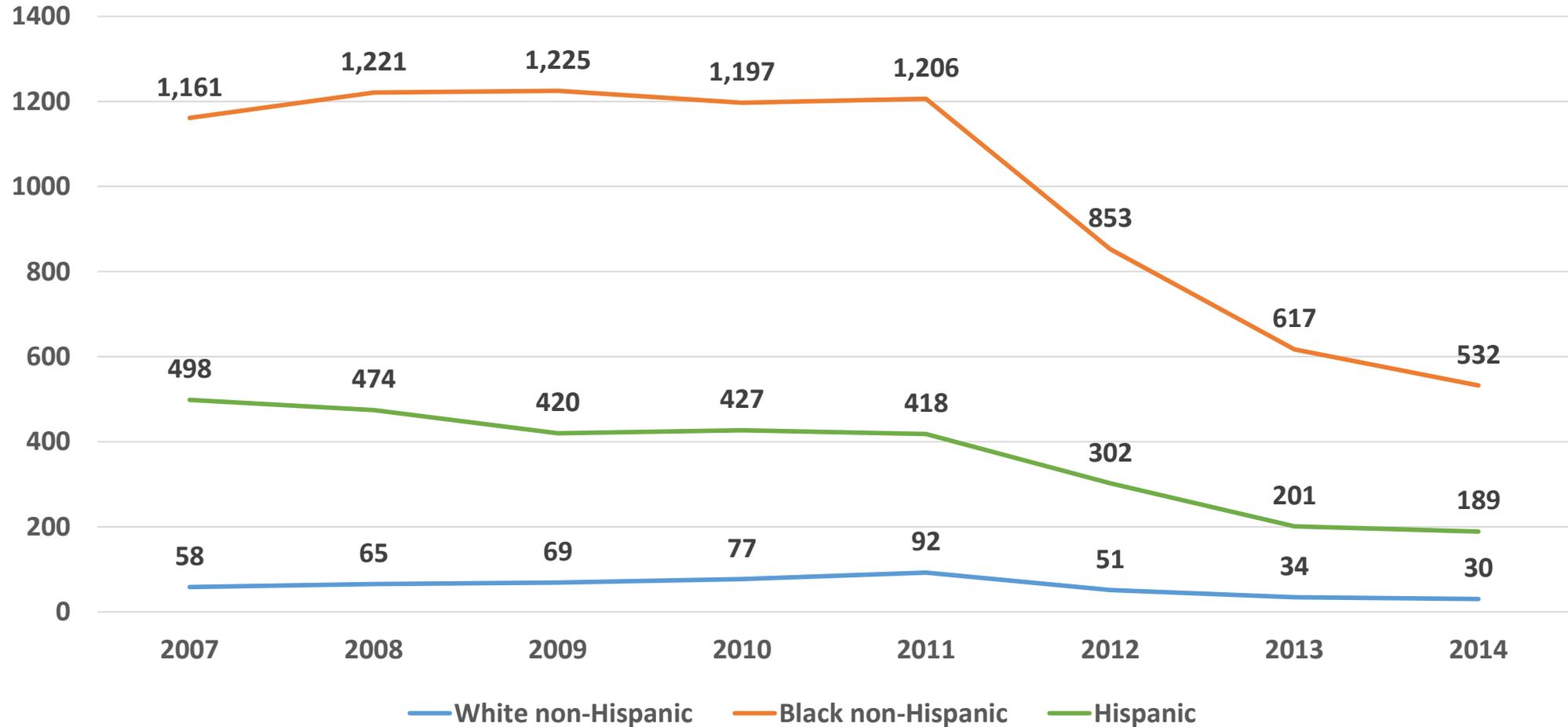


INFECTIOUS DISEASE PREVENTION AND CONTROL

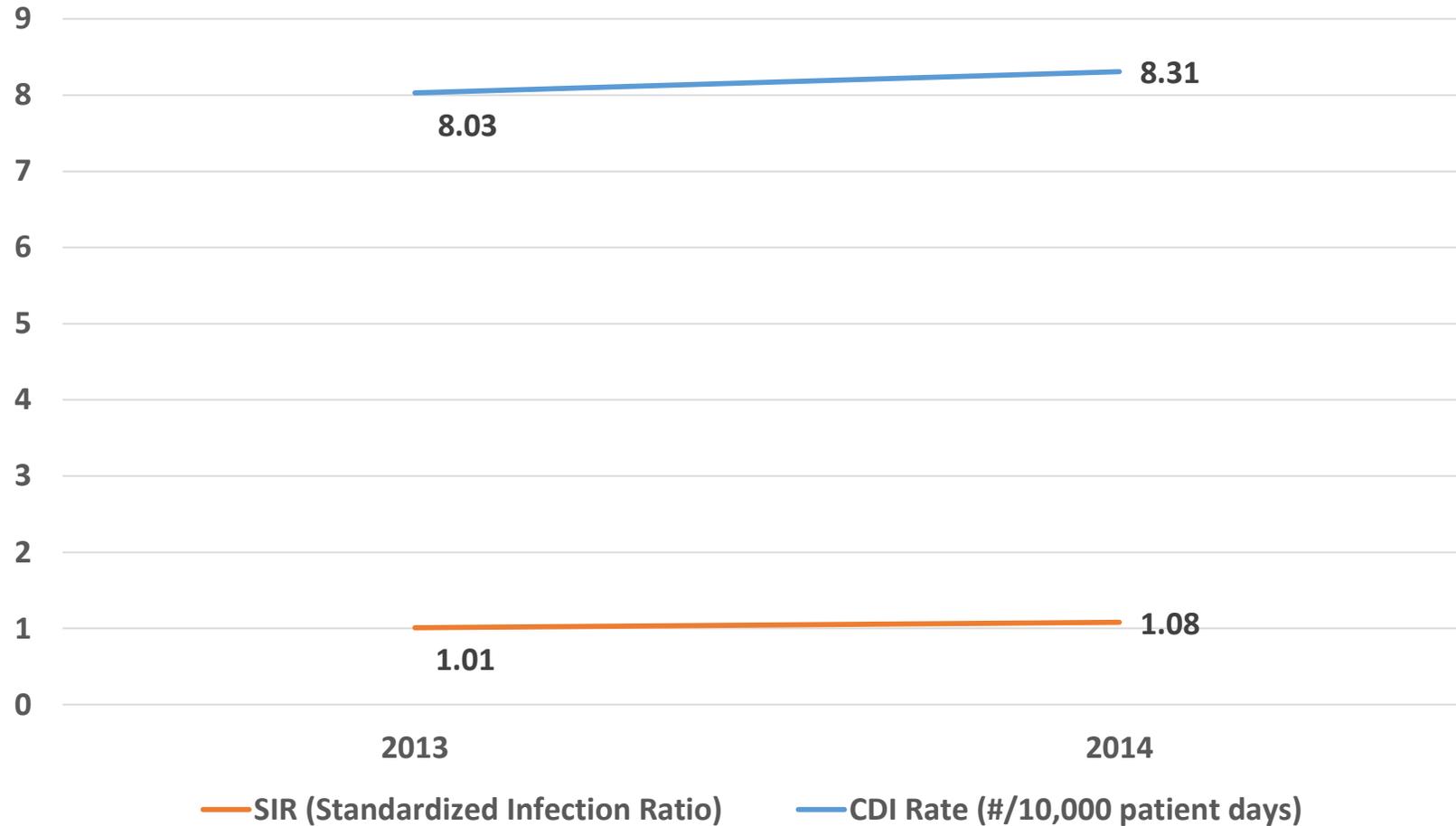
Percent of Persons 13 To 17 Years of Age Who Have Received at Least 3 Doses of the Human Papillomavirus (HPV) Vaccine, by Sex, Connecticut, 2012-2014



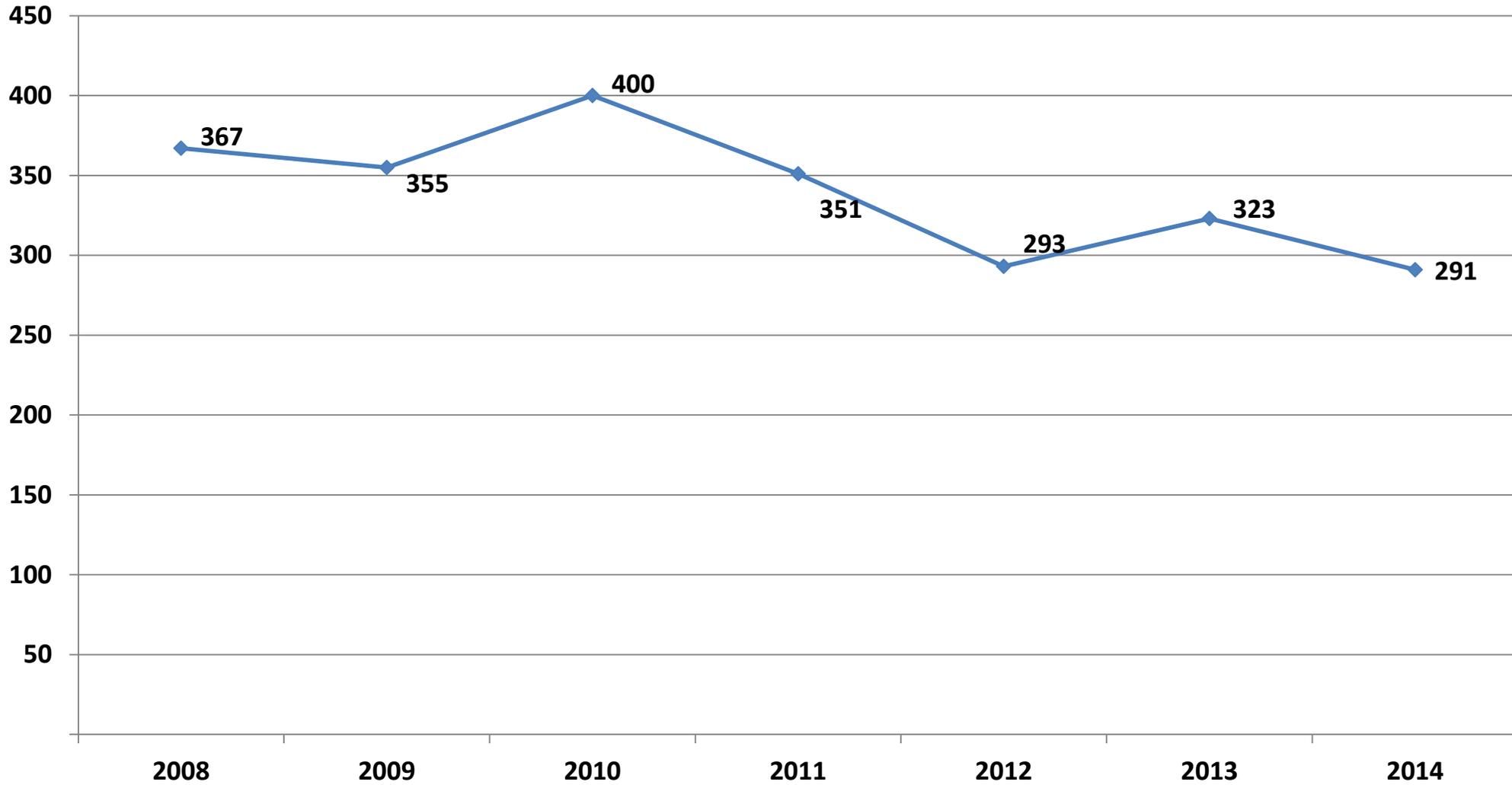
Rate of New Chlamydia Cases, by Race and Ethnicity, Connecticut, 2007-2014



Laboratory-Identified *Clostridium difficile* Infection, Acute Care Hospitals, Connecticut, 2014



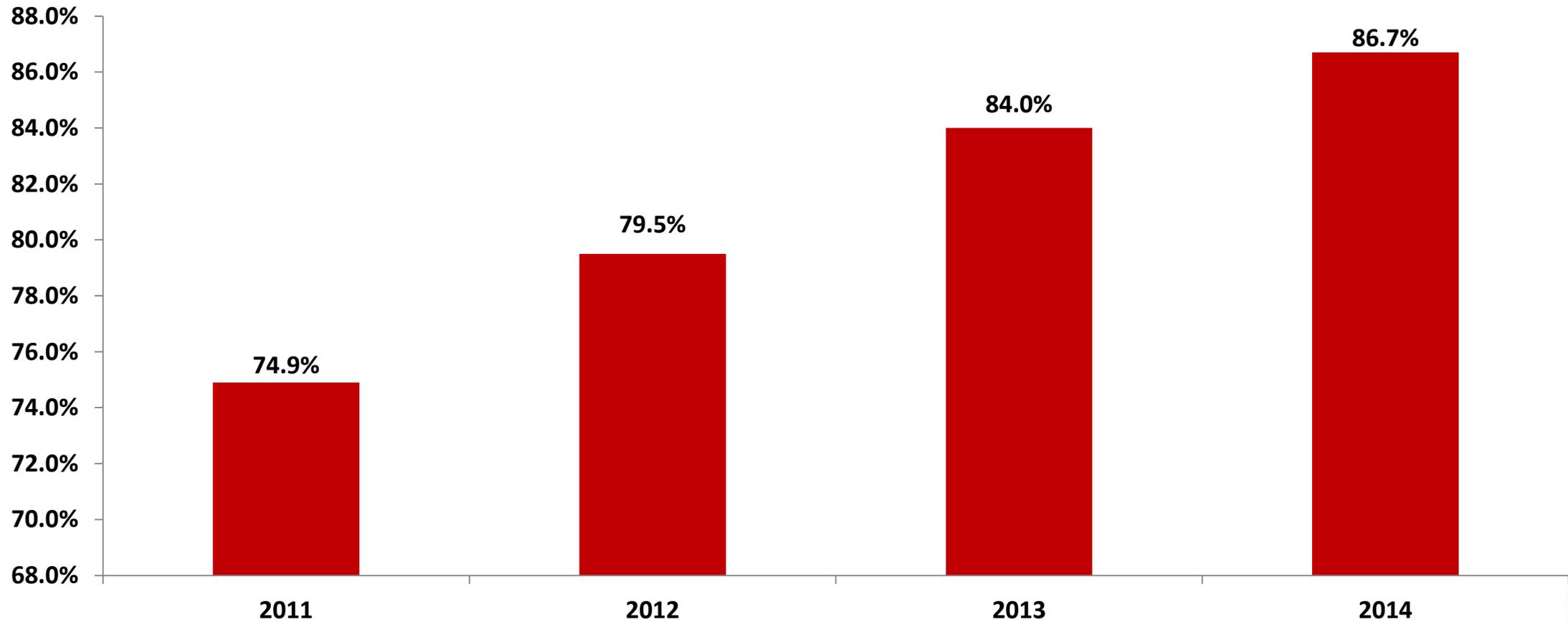
Number Of New HIV Cases, Connecticut, 2008-2014



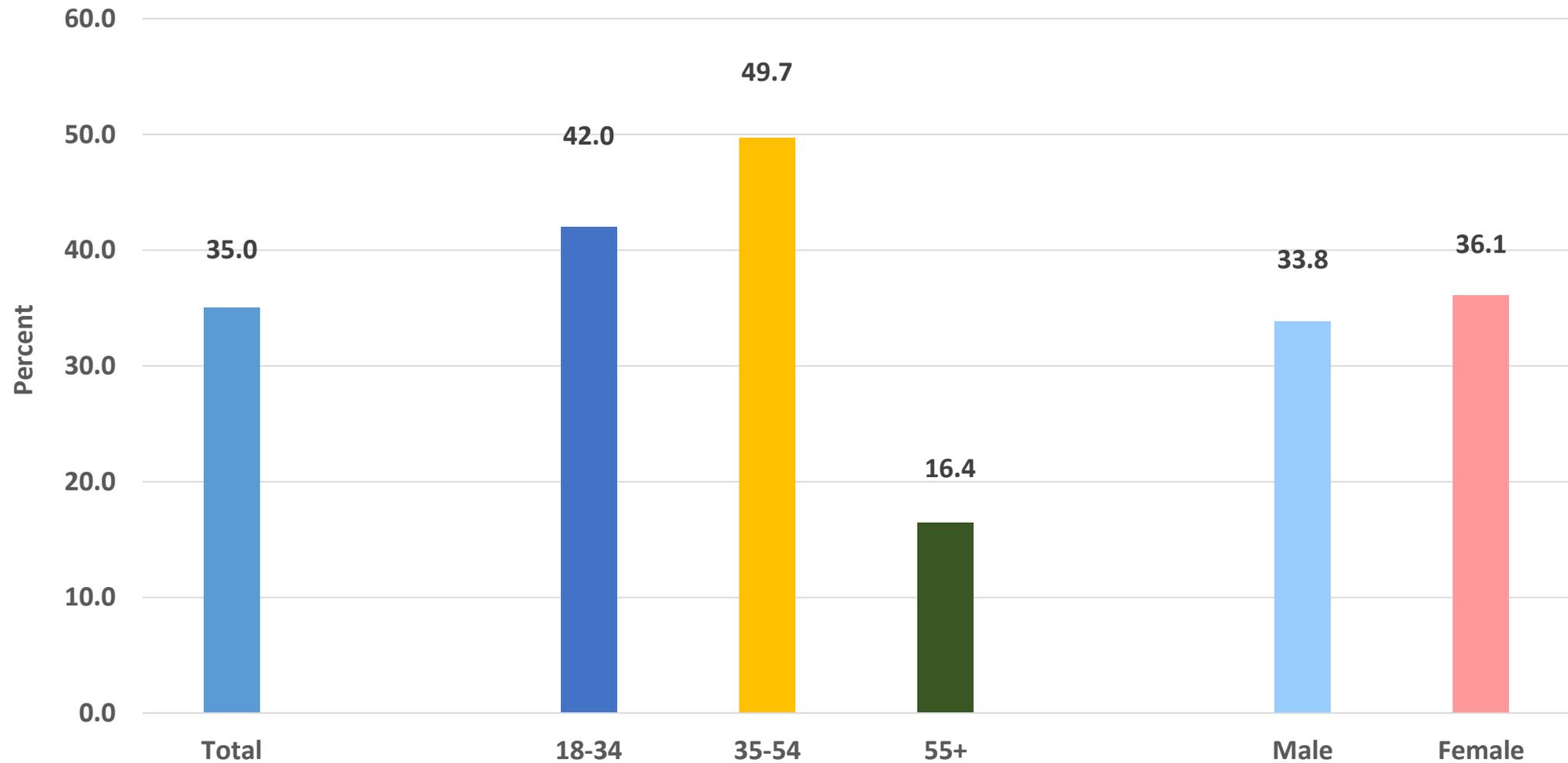
Data Source: CT DPH, eHARS Surveillance Database, 2014



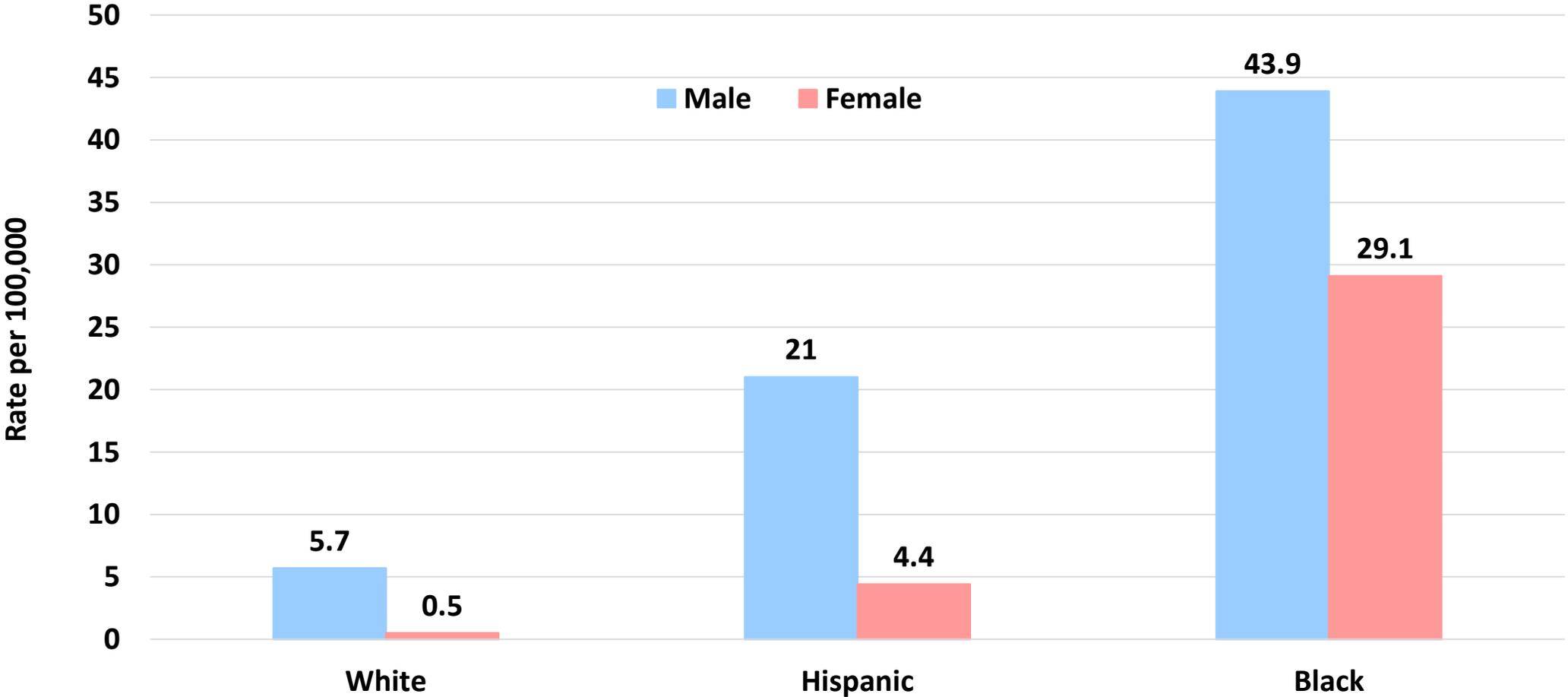
Proportion of Known HIV-Positive Adolescents and Adults (in care) with Suppressed Viral Loads (i.e., 200 or Less Copies of Virus per Milliliter), 2011-2014



Percent of People Ever Tested For HIV, Connecticut, 2014



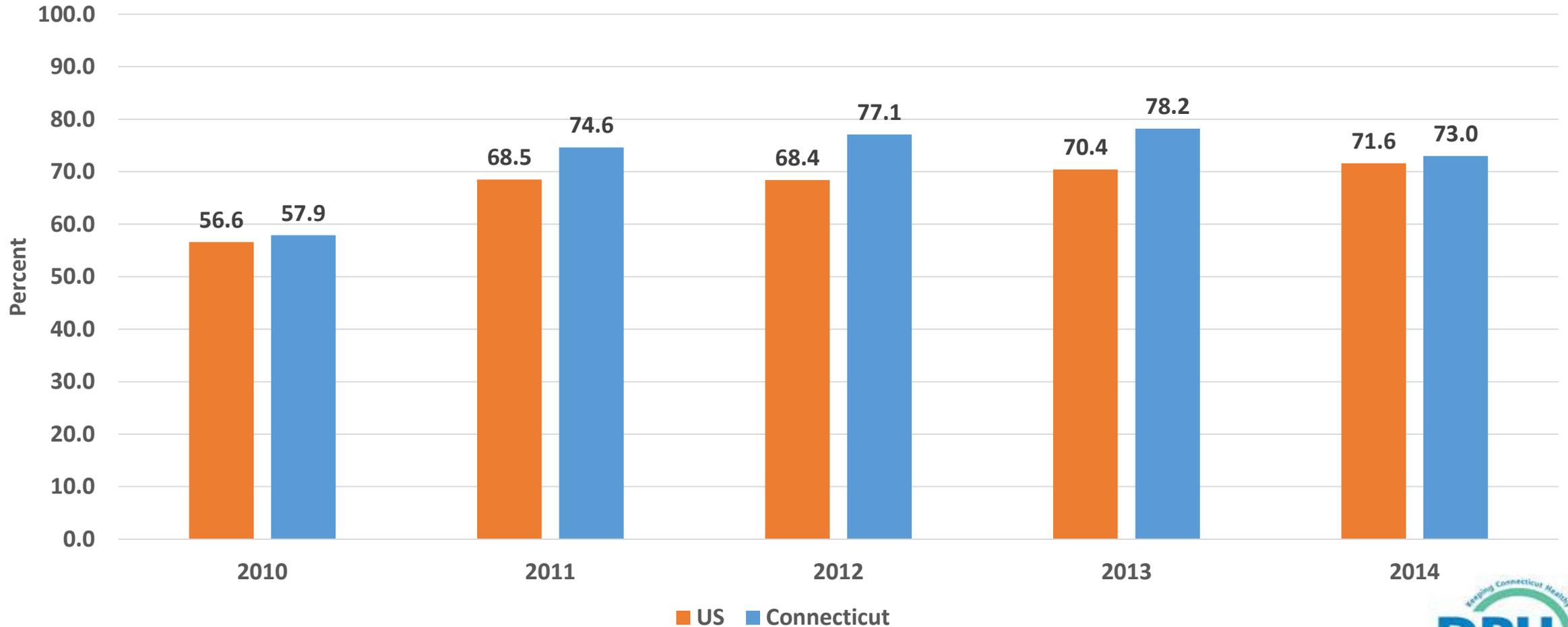
Rate Of Newly Diagnosed HIV, by Sex And Race and Ethnicity, Connecticut, 2014



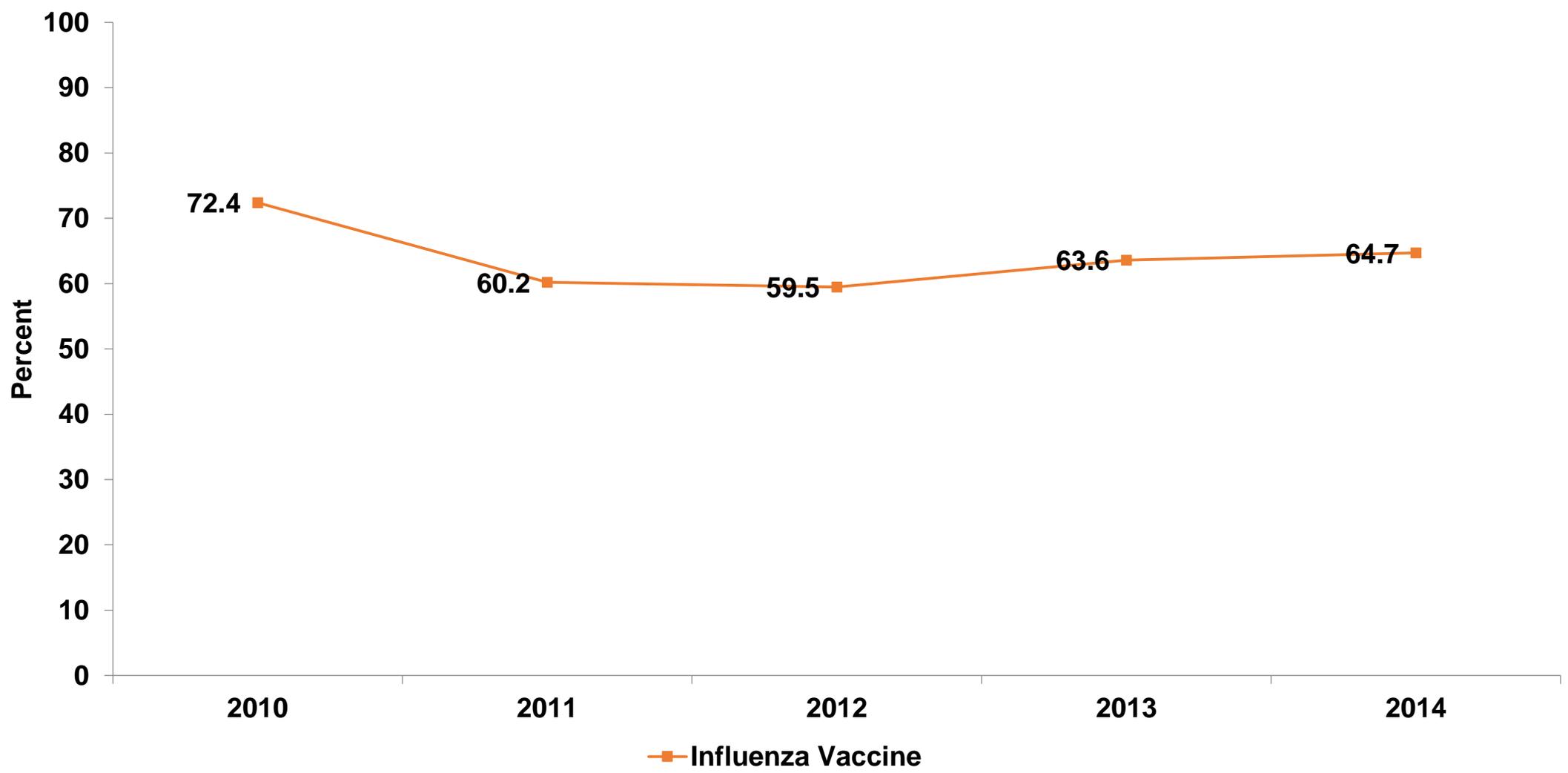
Data Source: DPH HIV Surveillance Registry, eHARS, and State-level Bridged Race estimates for Connecticut, 2014



Percent of Children (19-35 Months) Who Completed the Recommended Vaccine Series, Connecticut, 2010-2014



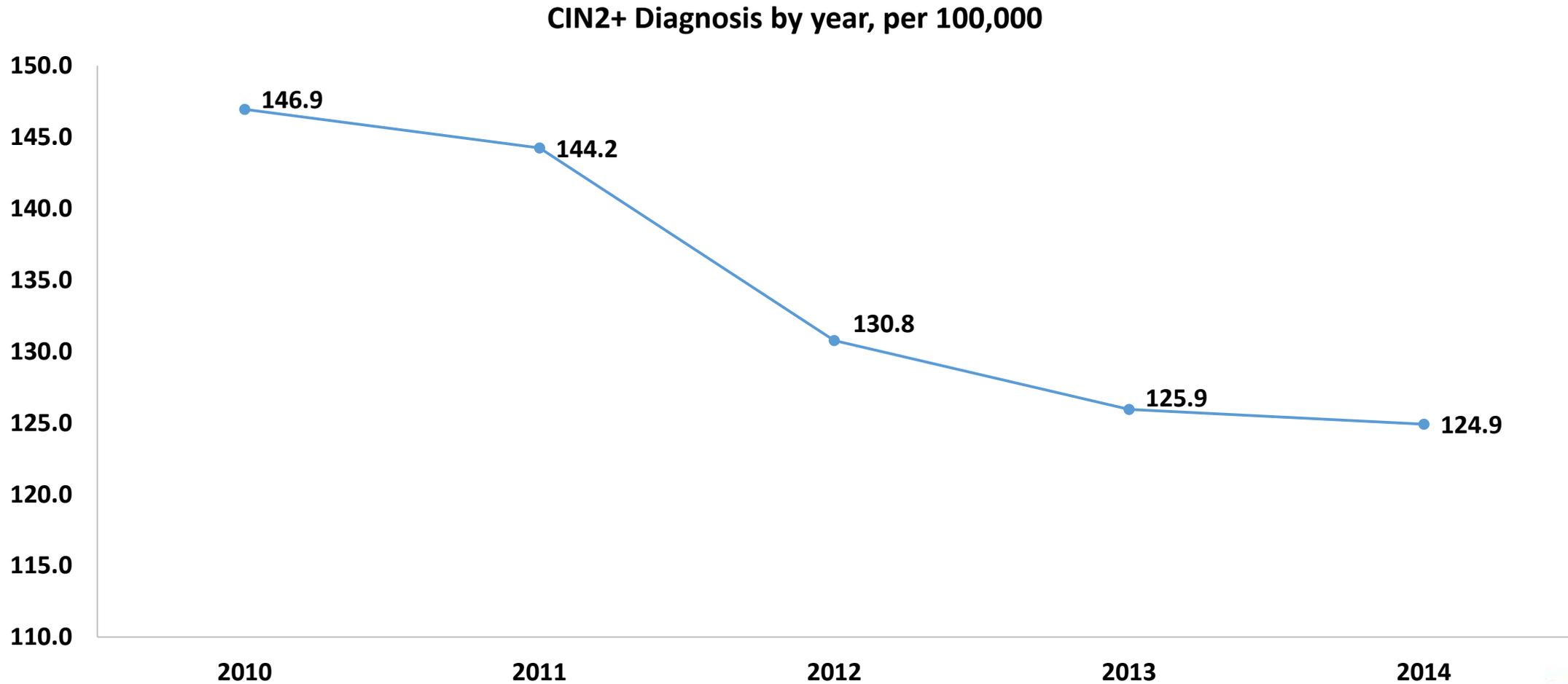
Percent of Adults (65+ years) in Connecticut Who Are Vaccinated Annually Against Seasonal Influenza, 2010-2014



Data Source: <http://www.cdc.gov/brfss/brfssprevalence/index.html>

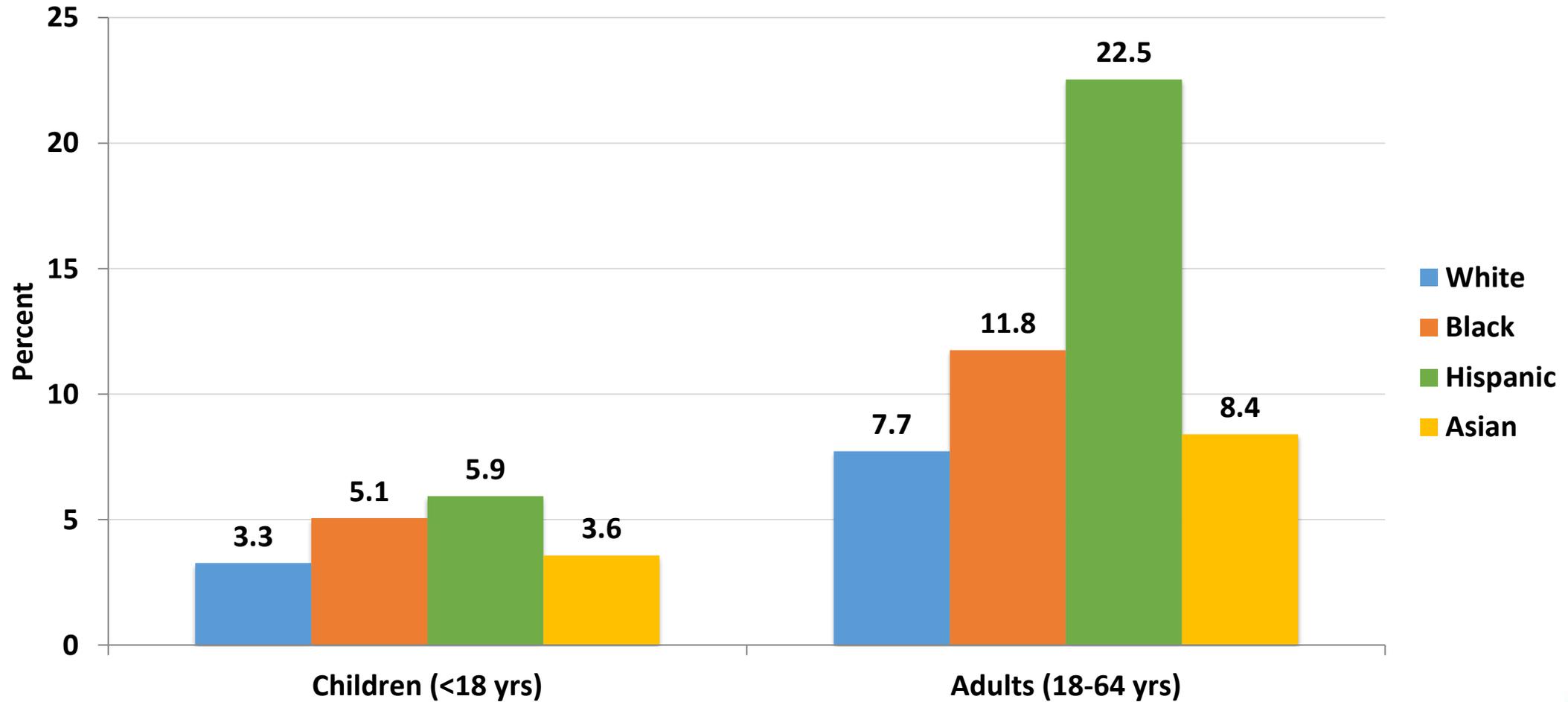


HPV-Related Diseases: CIN2+ Diagnosis by Year, per 100,000 Connecticut Residents, 2010-2014

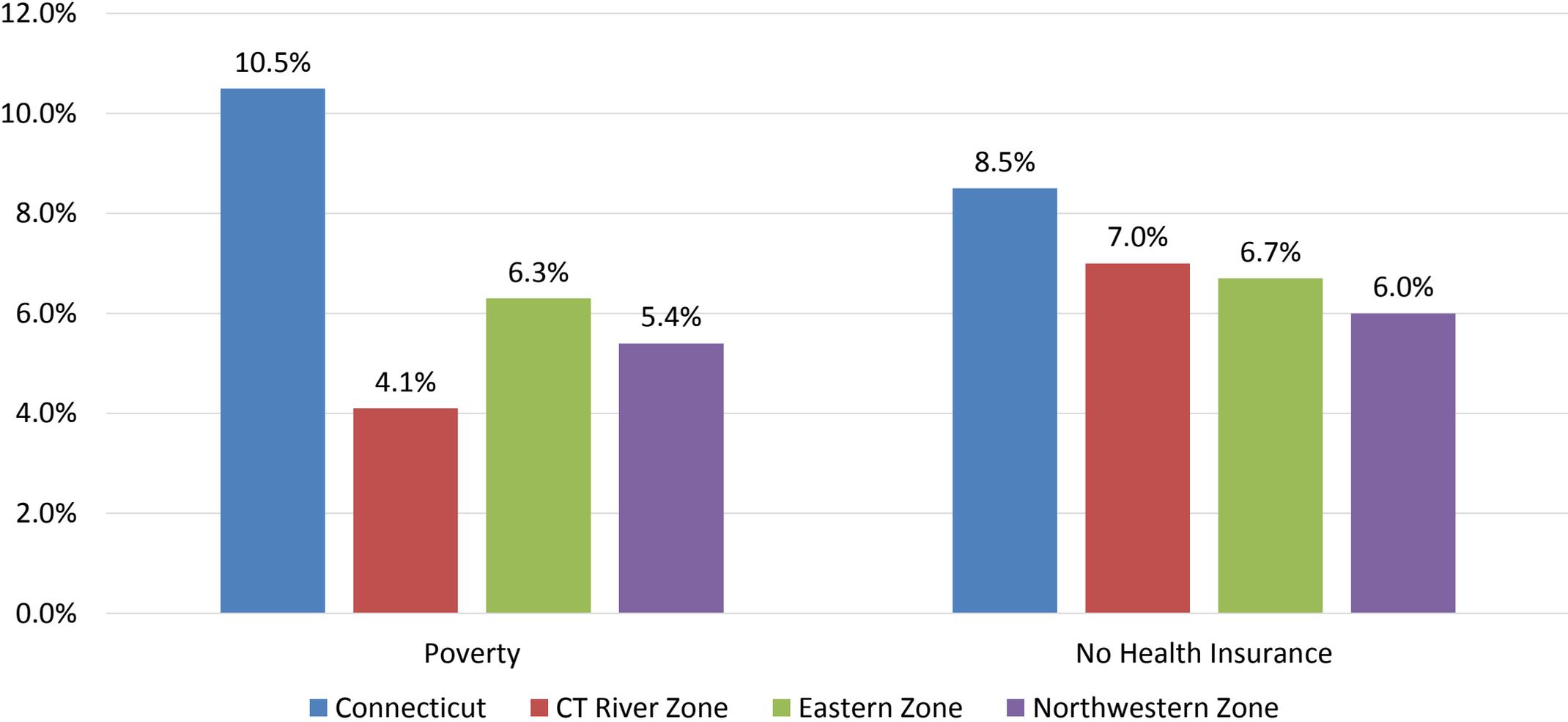


HEALTH SYSTEMS

Percent of Uninsured Children and Adults, by Race and Ethnicity, Connecticut, 2014



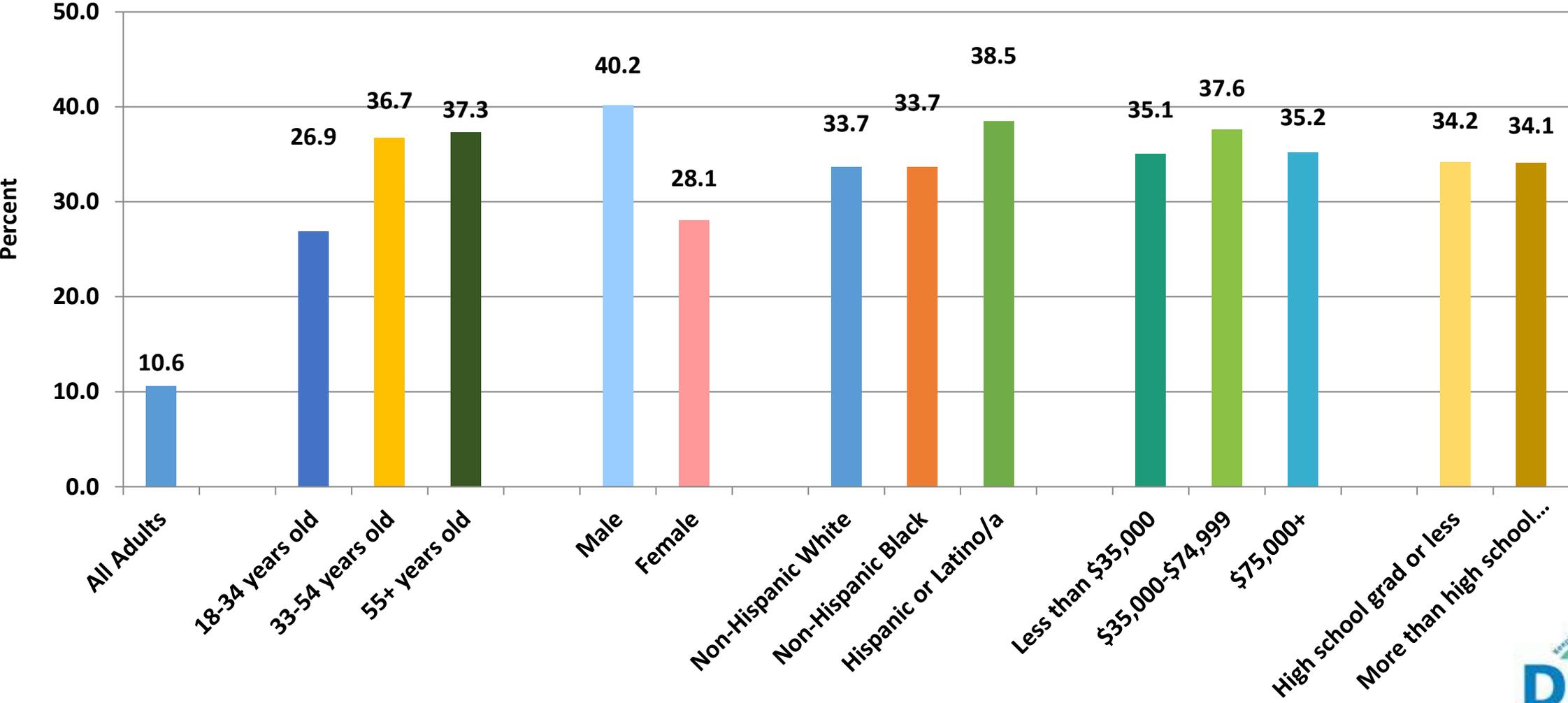
Percent of Population in Poverty and Without Health Insurance, Connecticut and Rural Zones, 2014



Data Source: American Community Survey, 2010-2014



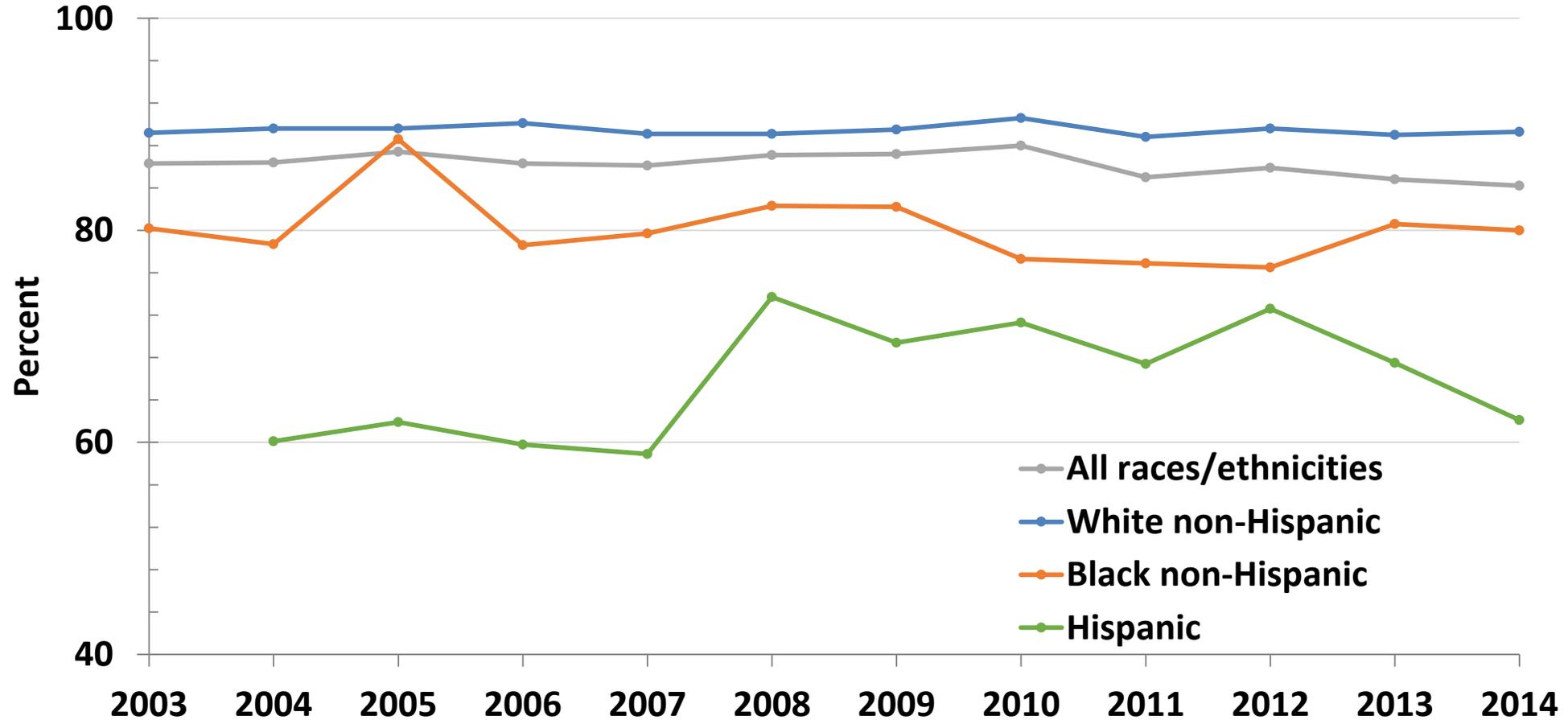
Percent of Adults With No Primary Health Care Provider, Connecticut, 2014



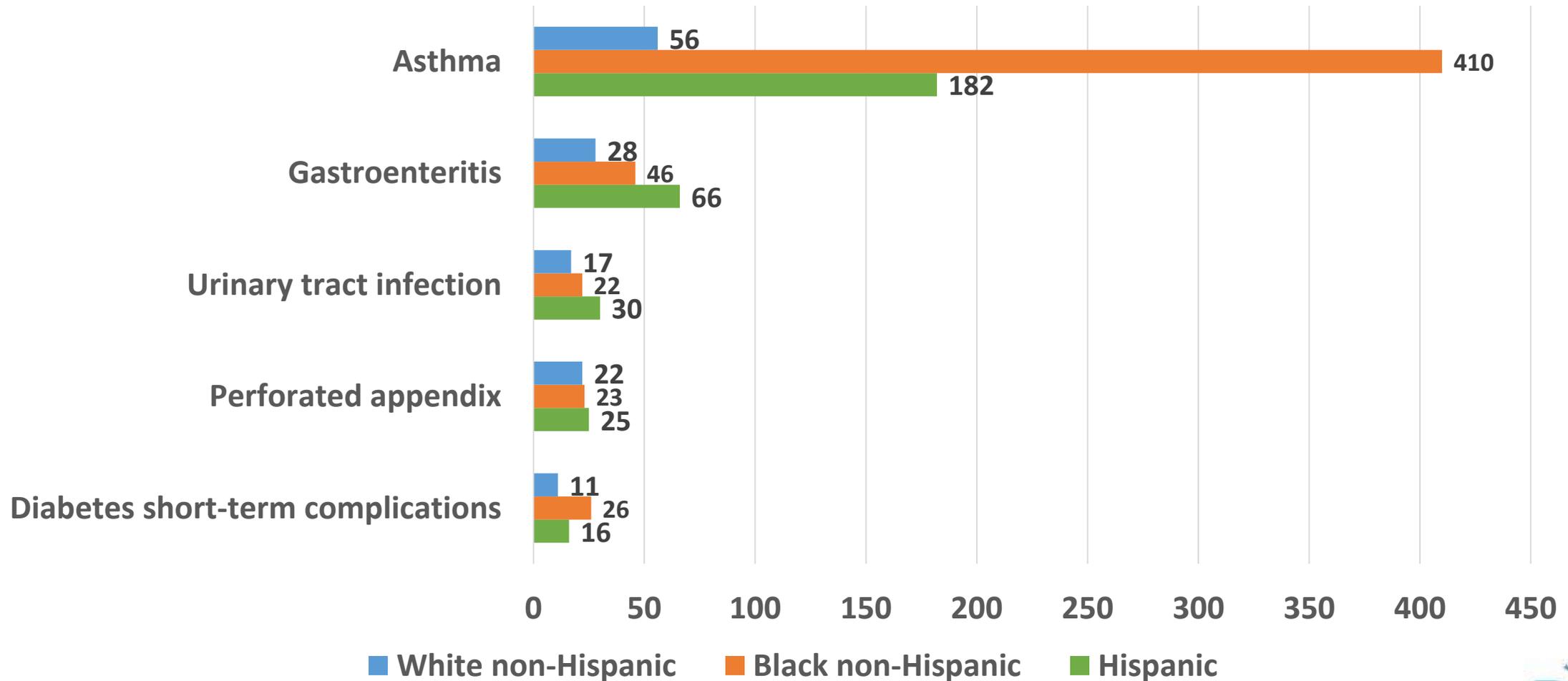
Data source: CT DPH http://www.ct.gov/dph/lib/dph/hisr/pdf/brfss2014_ct_report.pdf 2016



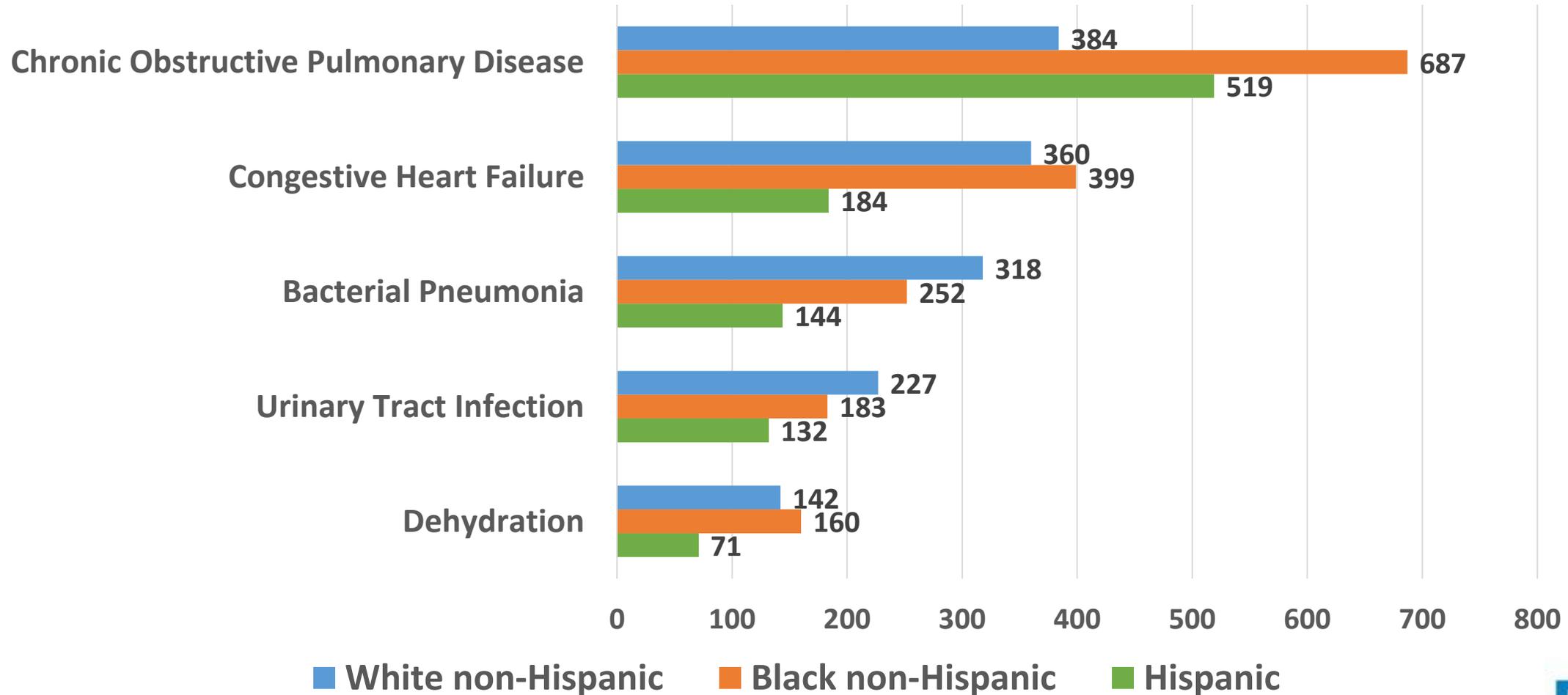
Adults With At Least One Personal Doctor, by Race and Ethnicity, Connecticut, 2003-2014



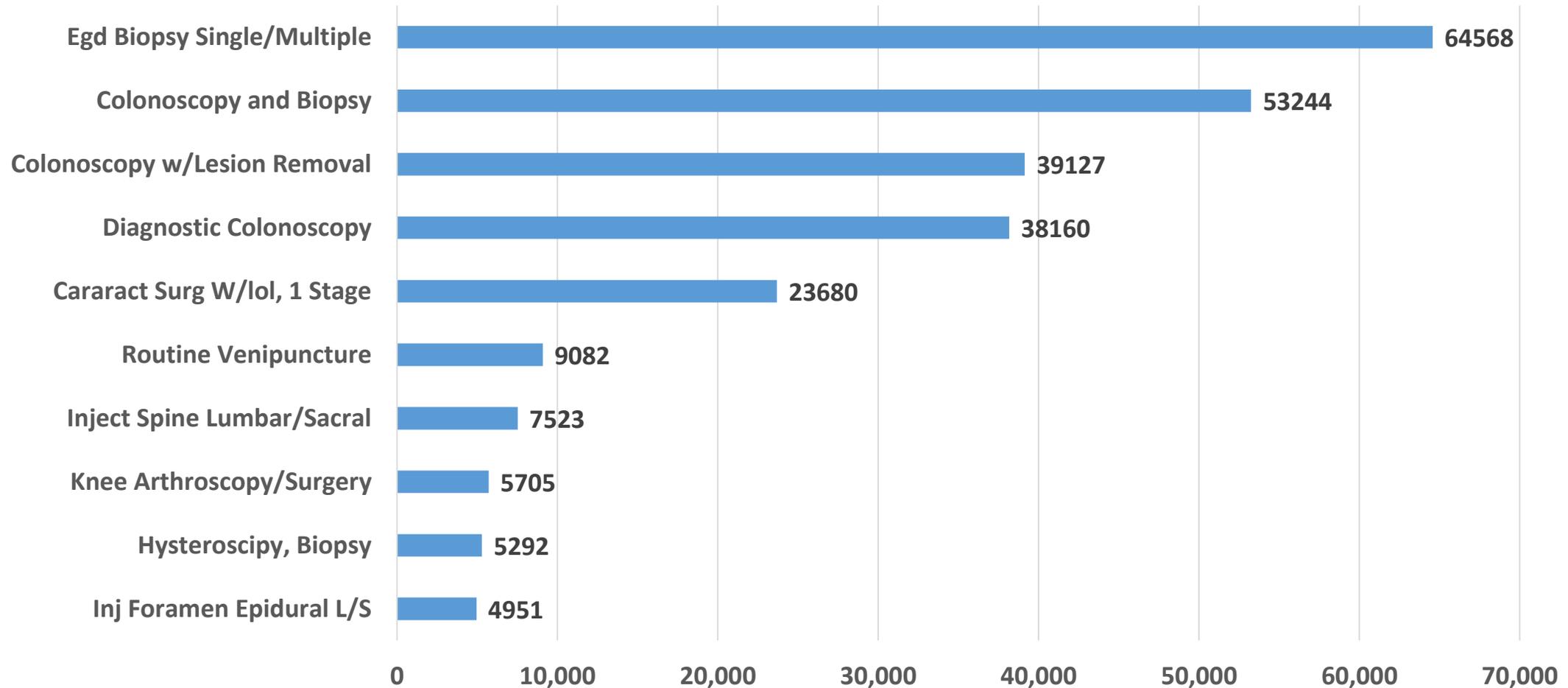
Pediatric Preventable Hospitalization Rates, by Race and Ethnicity, Connecticut, 2012



Adult Preventable Hospitalization Rates per 100,000, by Race and Ethnicity, Connecticut, 2012



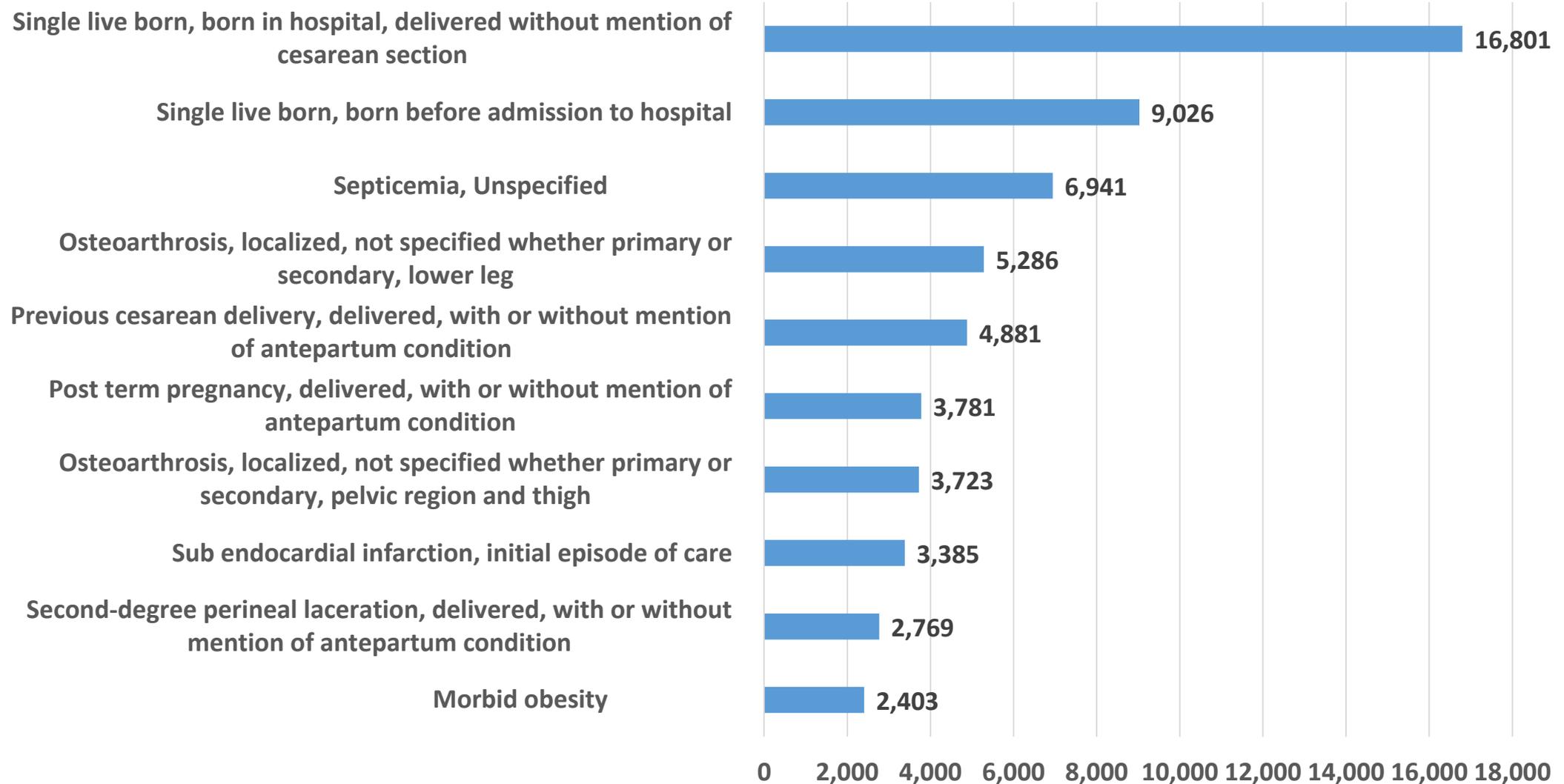
10 Most Frequent Outpatient Surgical Procedures Performed in Connecticut, 2015



Data Source: CT DPH, Office Health Care Access Outpatient Surgery Database, 2016



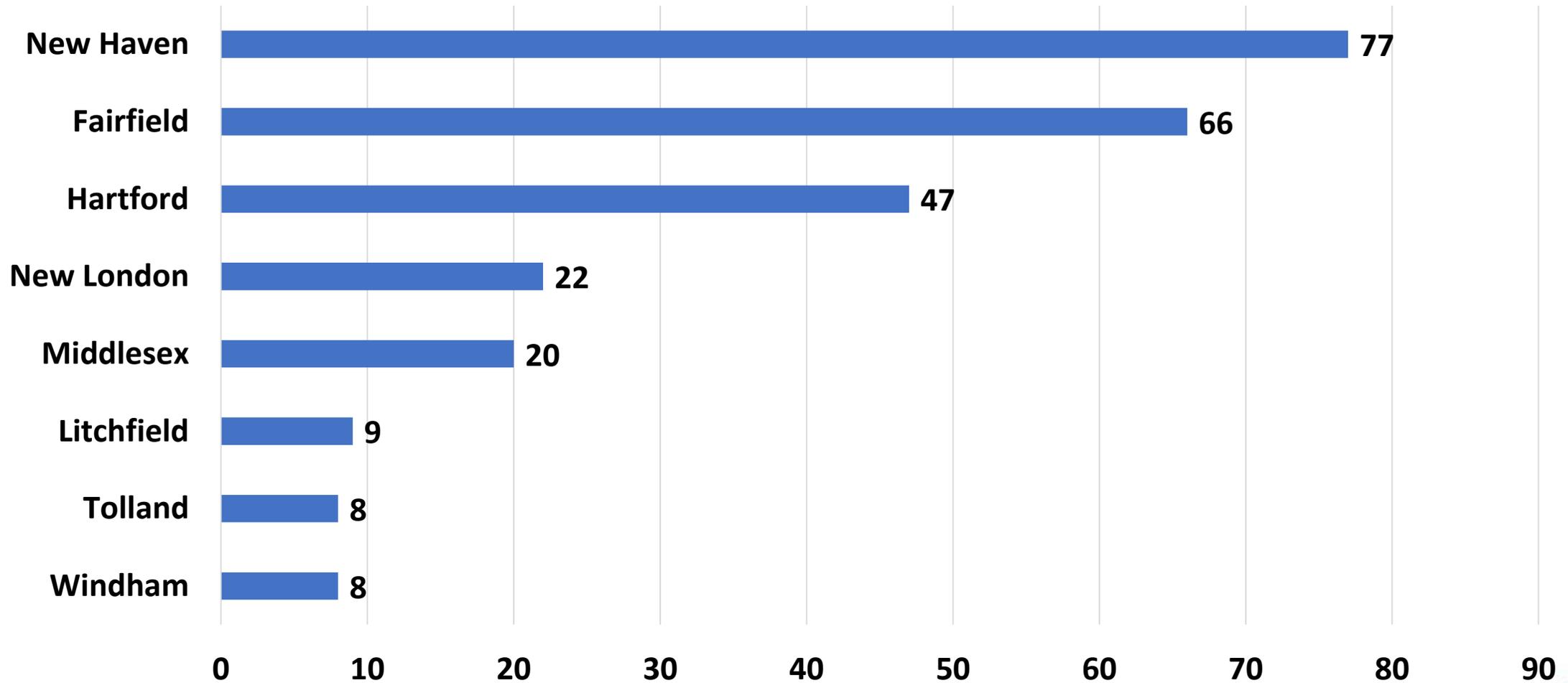
10 Most Frequently Occurring Acute Care Hospital Inpatient Primary Diagnoses, Connecticut, 2015



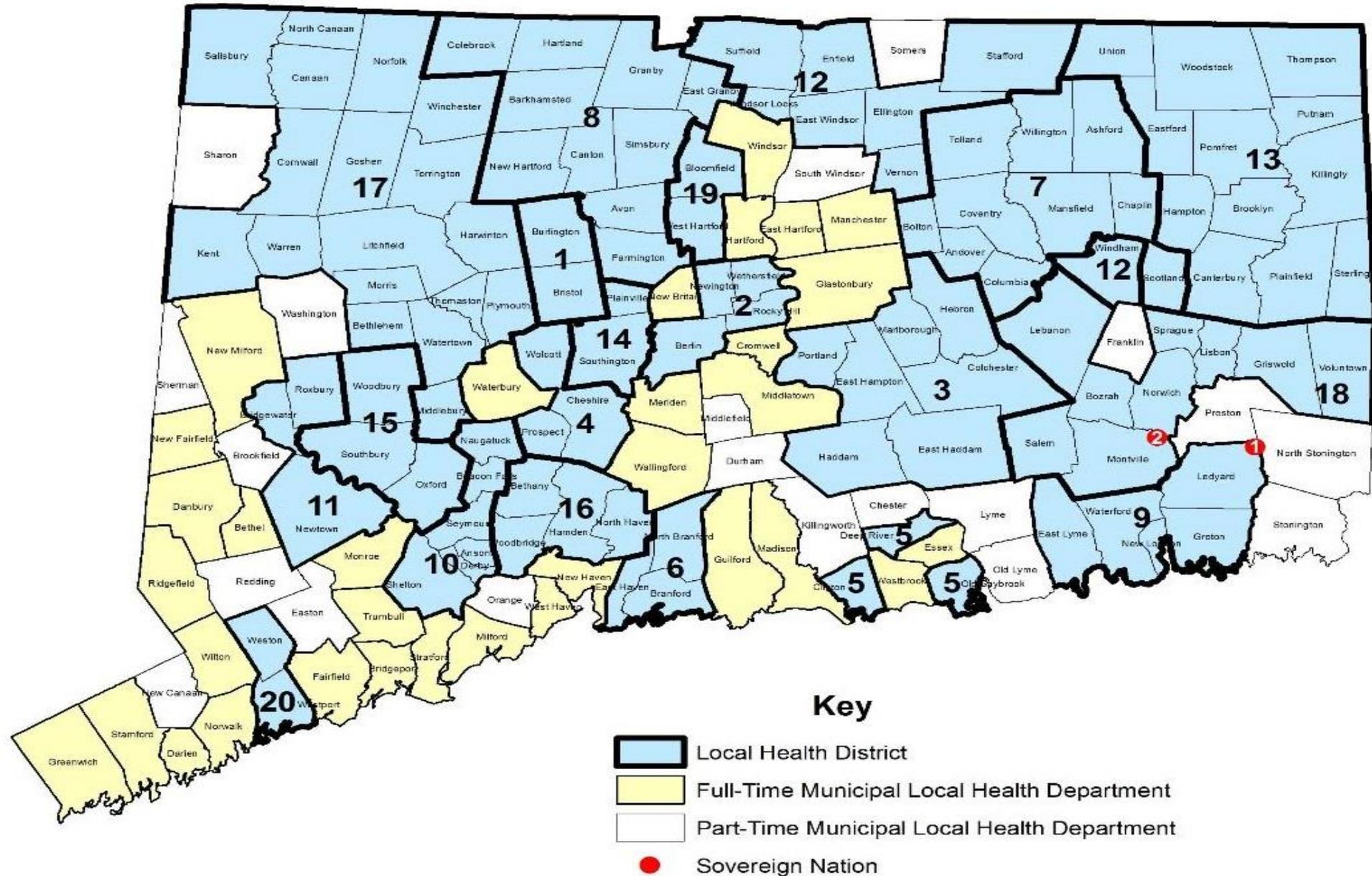
Data Source: CT DPH, Office Health Care Access Acute Care Hospital Inpatient Discharge Database, 2016, Office Health Care Access Outpatient Surgery Database, 2016



Number of Federally Qualified Health Centers (FQHCs), by County, Connecticut, 2016



Local Health Departments And Districts, Connecticut, July 2016



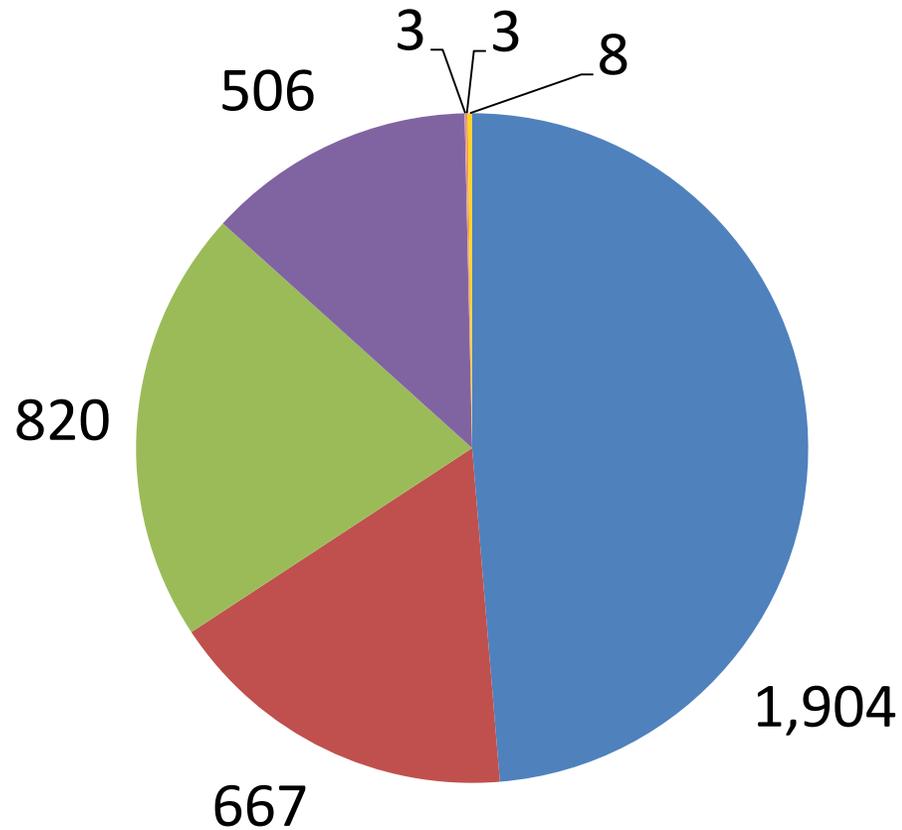
CHNA: Most Common Areas of Concern

- Older Adult Health Issues
 - Transportation
 - Availability/affordability of senior assisted housing
 - Social support systems
 - Engagement in medical decision-making
 - Repair/maintenance required of them to remain independent in their own homes
 - Burden of chronic diseases
- Access to Care
 - Health Literacy
 - Cost of copays/medications
 - Absence of program/services tailored for special populations (homeless, mentally-ill, teens, ethnic and racial minorities)
 - Challenges navigating the insurance marketplace
- Community Infrastructure
 - Inadequate structures that fail to support physical activity
 - Accessibility to green spaces
 - Food deserts
- Asthma
 - Asthma management and prevention education
 - Environmental and housing conditions
- Mental Health & Substance Abuse Services
 - Ineffective existing programs
 - Limited treatment options (youth psychiatric and behavioral care)
- Obesity
 - Exercise and nutrition education
 - Heart Disease and Diabetes

SPECIFIC POPULATIONS

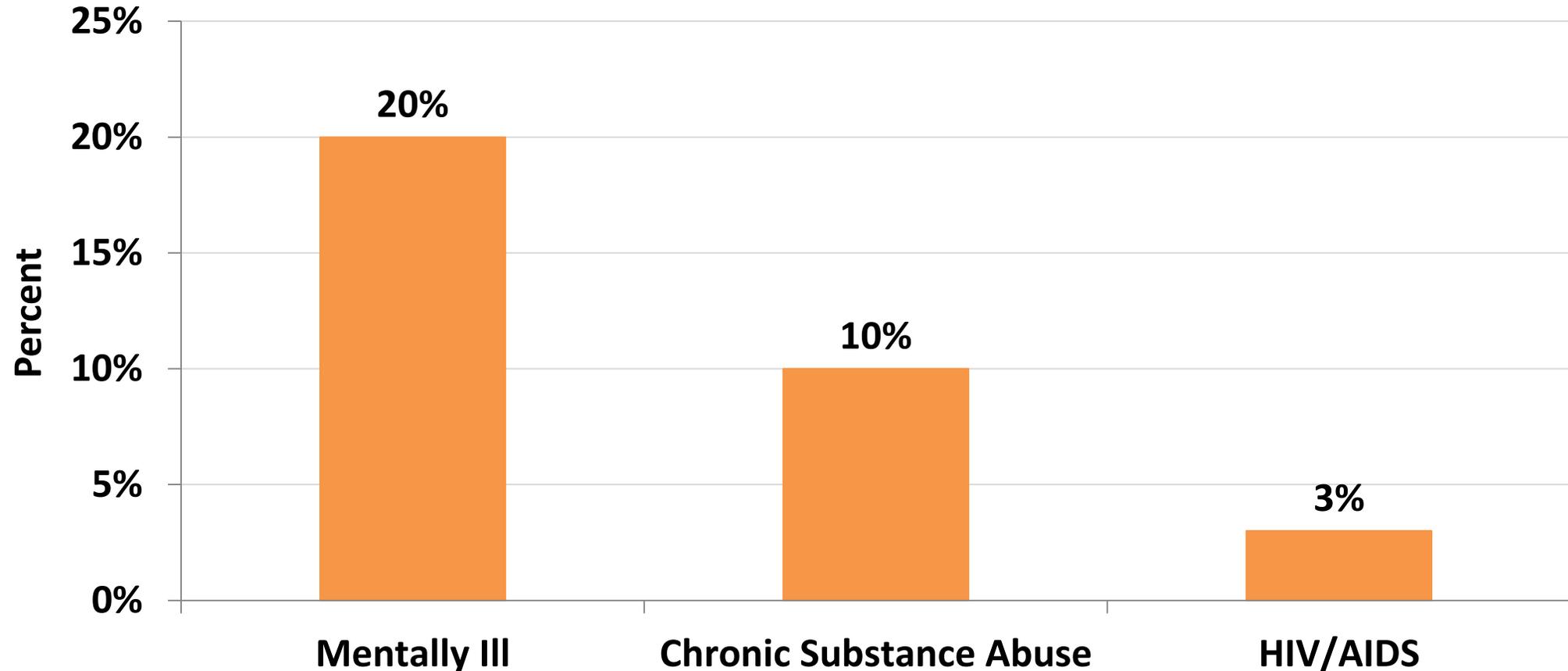
Homeless Population, Connecticut, 2016

There were an estimated 3,911 homeless persons in Connecticut in 2016.

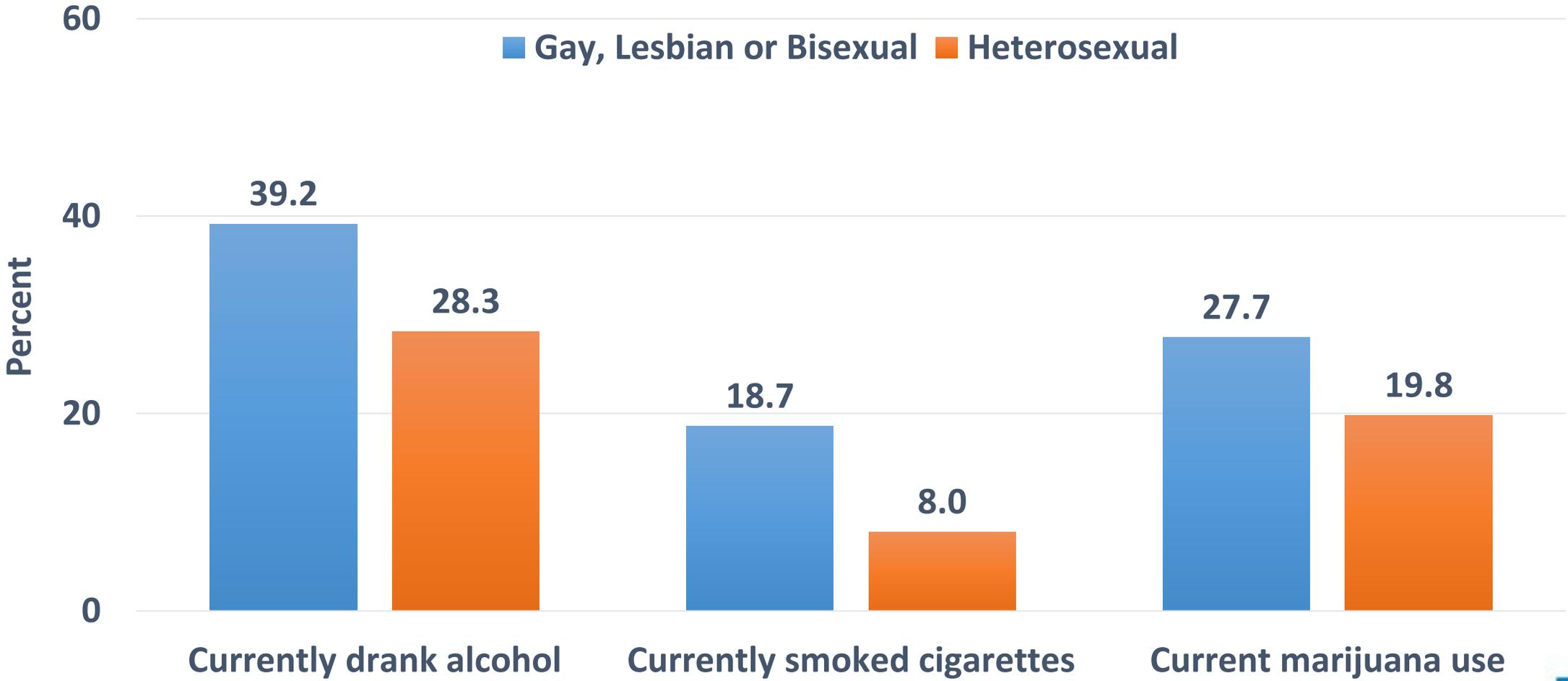


- Sheltered single adults
- Unsheltered single adults
- Children in sheltered families
- Adults in sheltered families
- Children in unsheltered families
- Adults in unsheltered families
- Sheltered unaccompanied children under age 18

Common Service Needs Shared by a Large Proportion of Individuals Facing Homelessness, Connecticut, 2013



Percent of Students (Grades 9-12) Who Smoke Cigarettes, Drink Alcohol, or use Marijuana, Connecticut, 2015

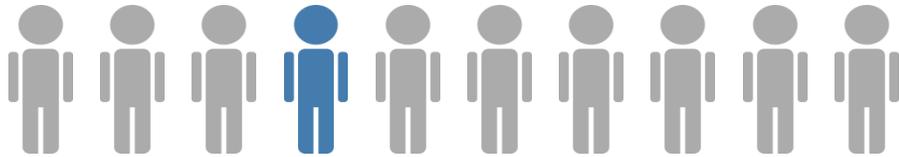


Data Source : 2015 Connecticut School Health Survey, Youth Behavior Component (YRBS)



Sexual Identity and Health-Risk Behavior Among Students in Grades 9-12, Connecticut, 2015

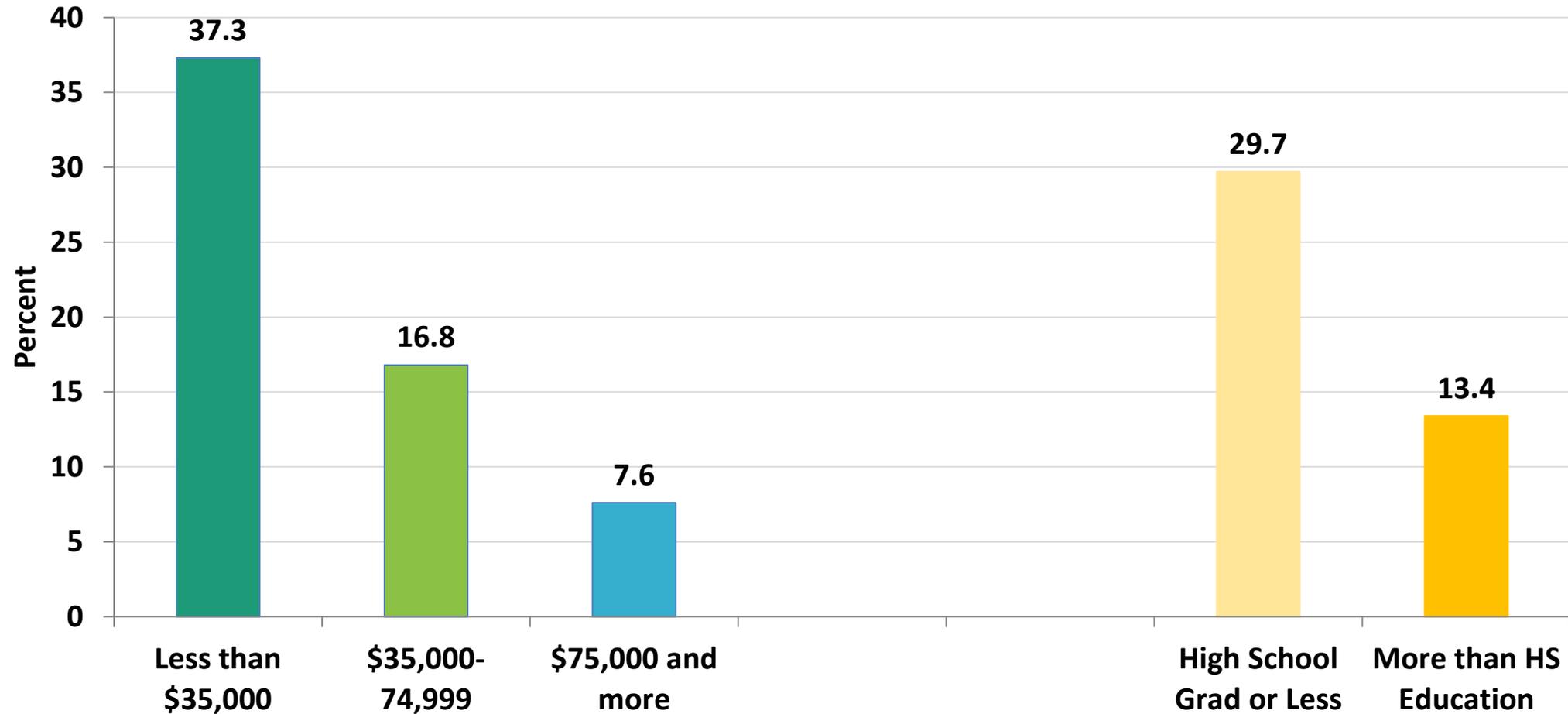
In Connecticut, about 1 out of 10 high school students (9.5%) identifies as gay, lesbian or bisexual



Gay, Lesbian or Bisexual students are more at risk for unhealthy behaviors than heterosexual students

Risk behavior	Gay, Lesbian, Bisexual more likely than Heterosexual
Risky sexual behavior	☑
Victim of bullying	☑
Poor mental health	☑
Cigarette, alcohol, drug abuse	☑
Physical inactivity	☑
Regular soda drinking	☑
Skip breakfast	☑
Lack family support	☑
Housing insecurity	☑
Insufficient sleep	☑
Skip routine well-visits	☑

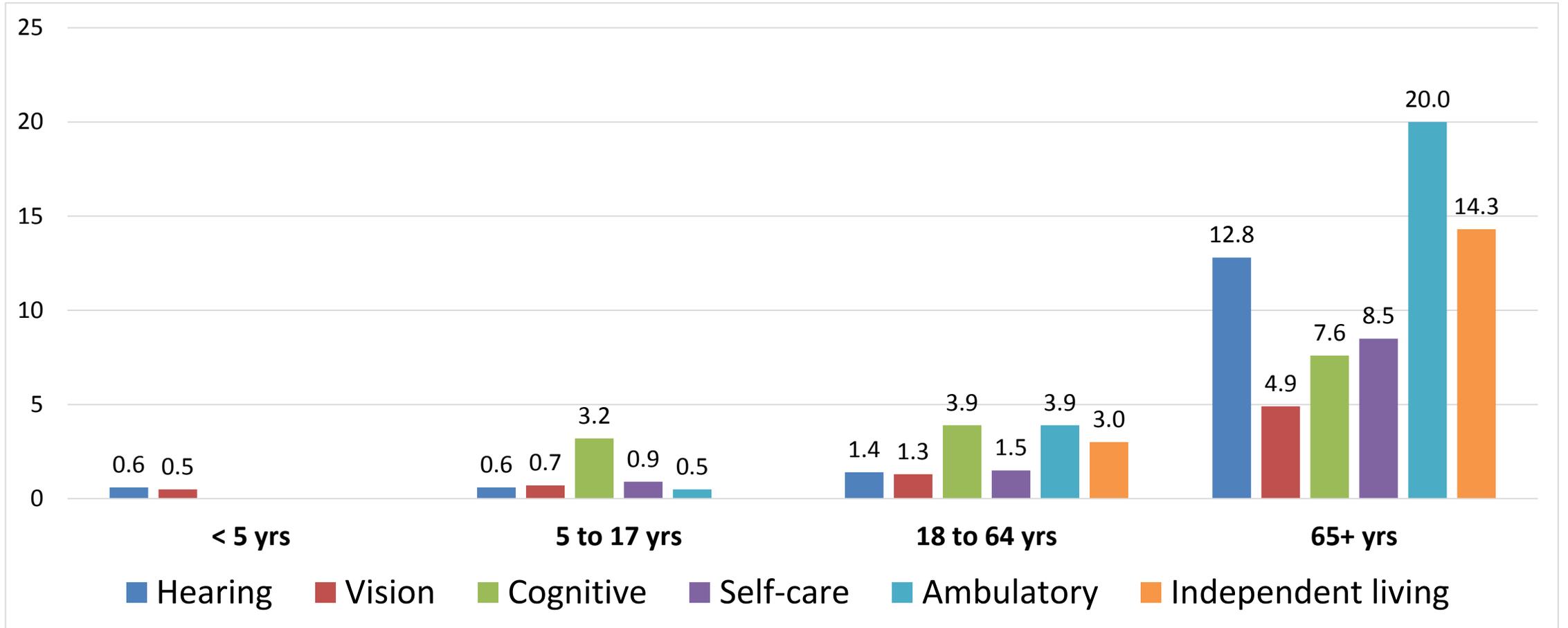
Percent of Population with Disability, by Income and Education, Connecticut, 2014



Data Source: US Census Bureau, American Community Survey, 1-Year Estimates, 2014, Table S1810.



Percent of Population With Disability, by Age Group, Connecticut, 2014



Data Source: US Census Bureau, American Community Survey, 1-Year Estimates, 2014, Table S1810.



Conclusions

- Our population is becoming younger and more diverse, putting them into a high risk category for risk behaviors like smoking, drinking, having unsafe sex, etc.
- Chronic diseases, cancer and accidental injuries top the list of causes of premature death in Connecticut.
- Residents that have lower-income, ethnic minorities, specific age groups such as youth, young adults and older adults are more likely than their counterparts to have risk factors for many diseases.
- Limitations on accessing and collecting data on health costs, specific populations, and in a regional capacity, remain a challenge for planning and policymaking.
- Vulnerable adults, sexual minorities, veterans, and the prison population also have higher prevalence rates for some risk factors and suffer from many conditions at disproportionately high rates.
- Opportunities exist to address obesity, smoking, and other risk factors for chronic diseases, and to prevent accidental and intentional injuries and infectious diseases.