

Connecticut Data: Implications for Higher Education

Braden J. Hosch, Ph.D.

Connecticut Board of Regents for Higher Education

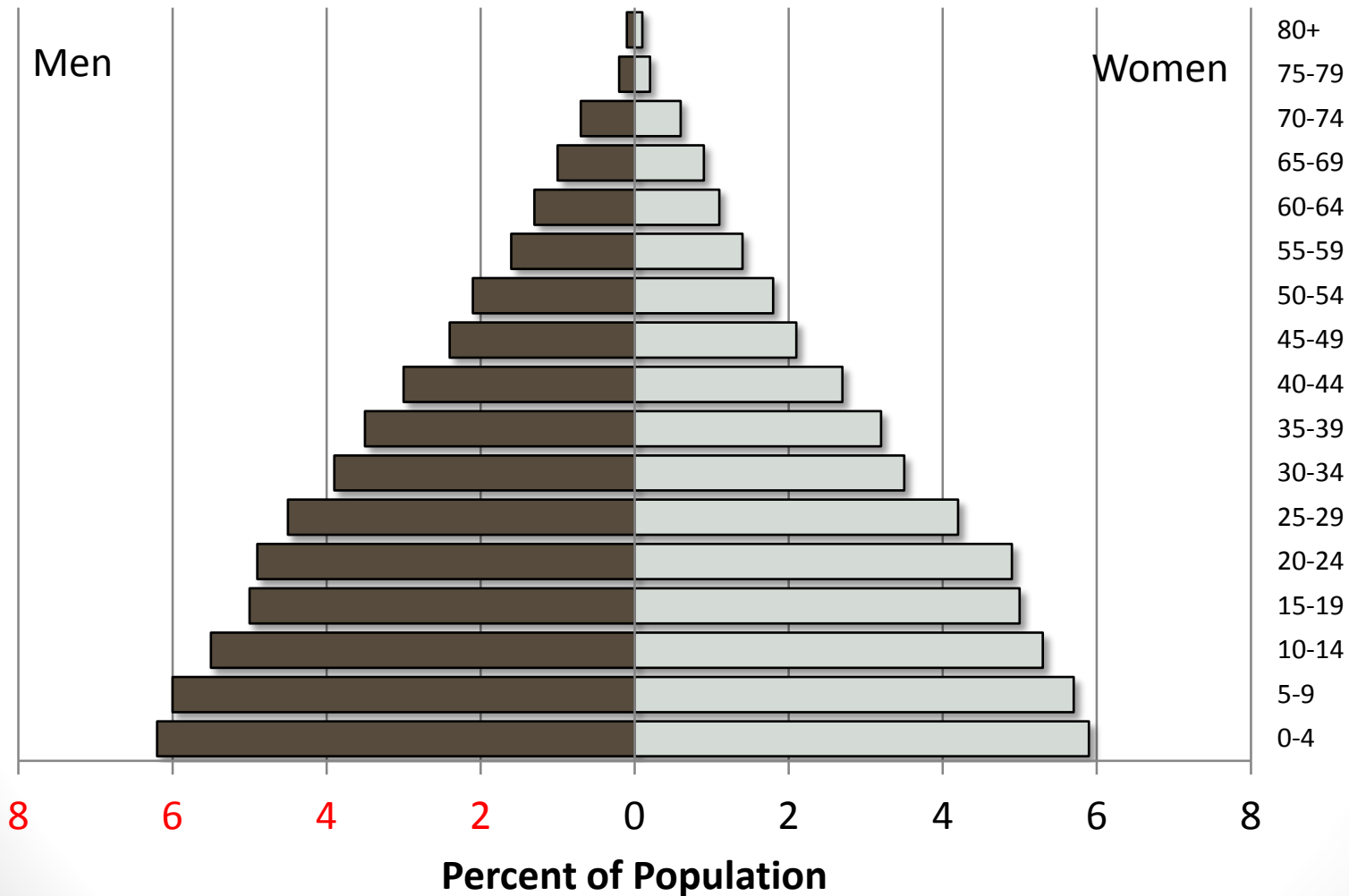
(August 13, 2013)

Overview

- Population change
- Population Change, Enrollment, Completions and Educational Attainment
- Important Indicators
 - College Readiness
 - Student Success
 - Affordability
 - Innovation and Economic Development
 - Equity

Population Change – United States

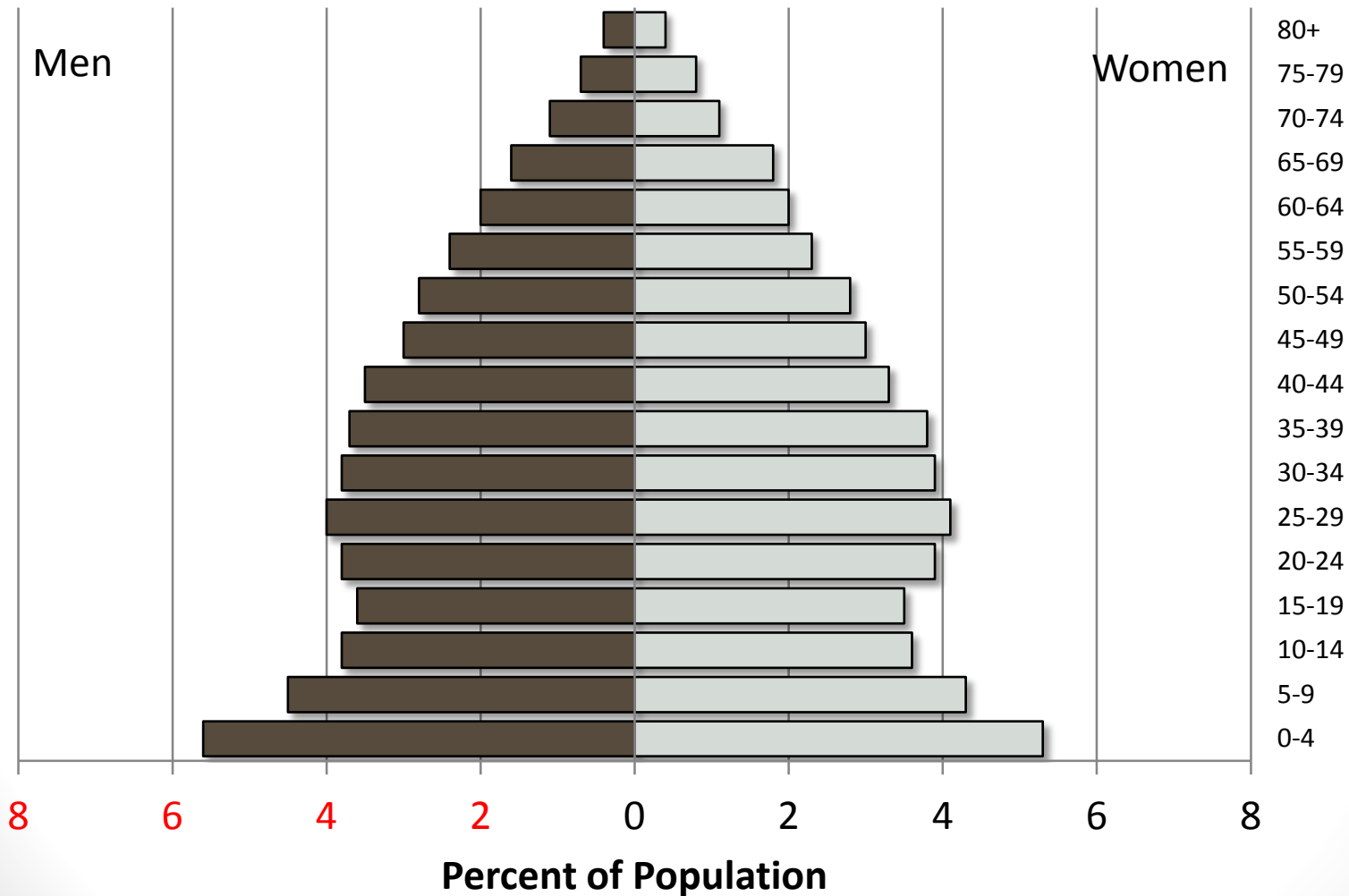
US Population By Age and Sex, 1900



Data Source: U.S. Census Bureau

Population Change – United States

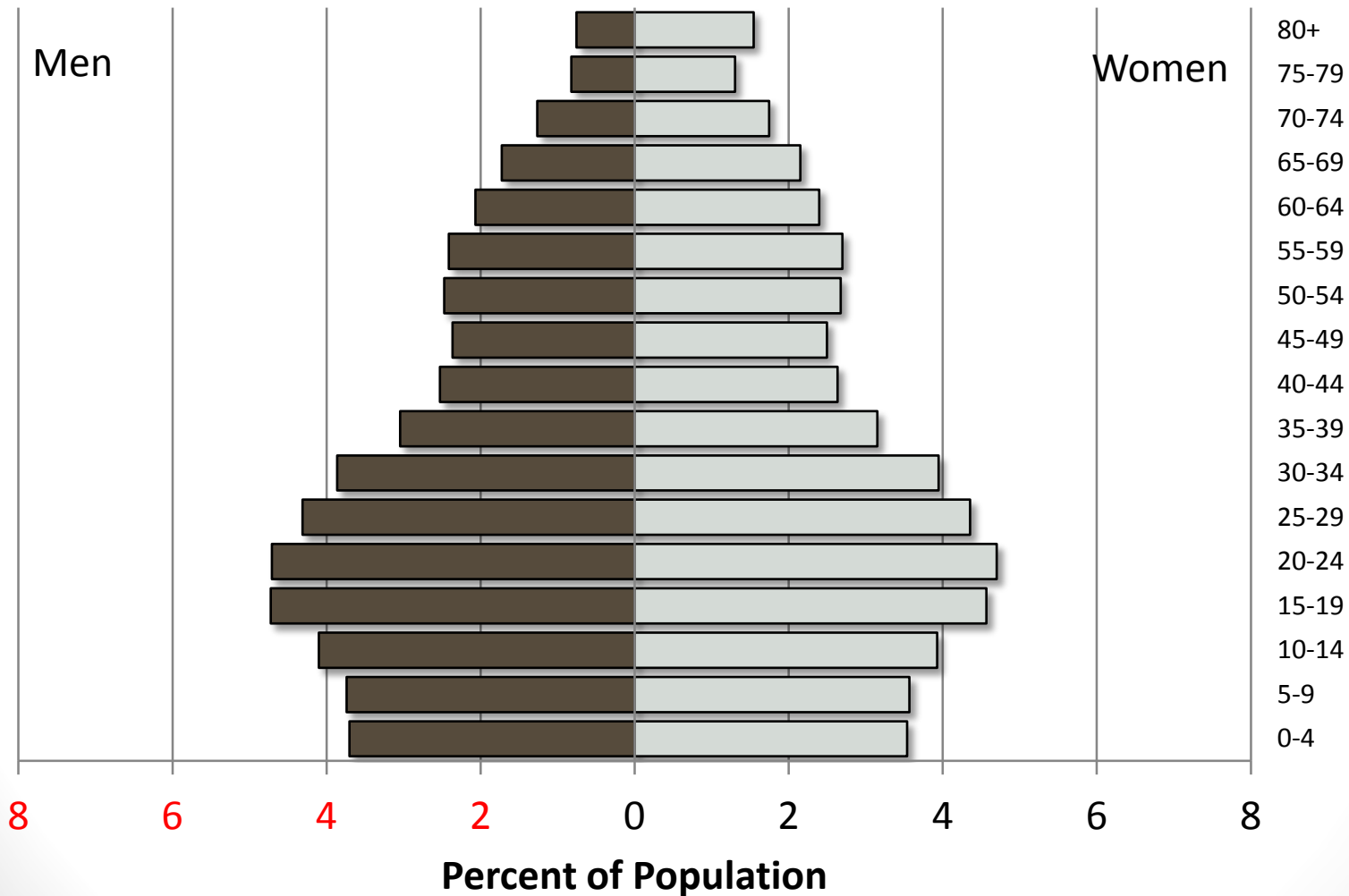
US Population By Age and Sex, 1950



Data Source: U.S. Census Bureau

Population Change – United States

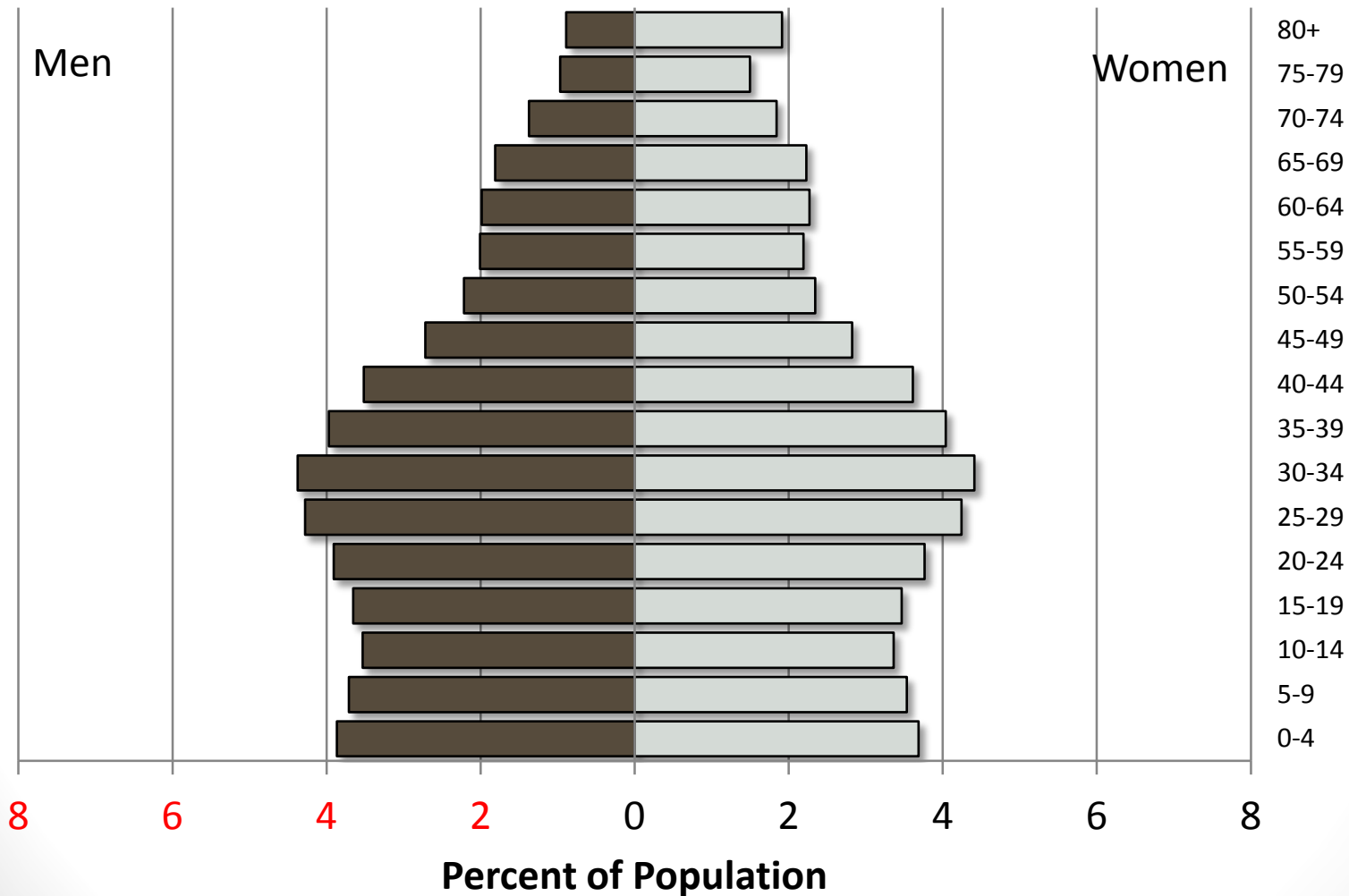
US Population By Age and Sex, 1980



Data Source: U.S. Census Bureau

Population Change – United States

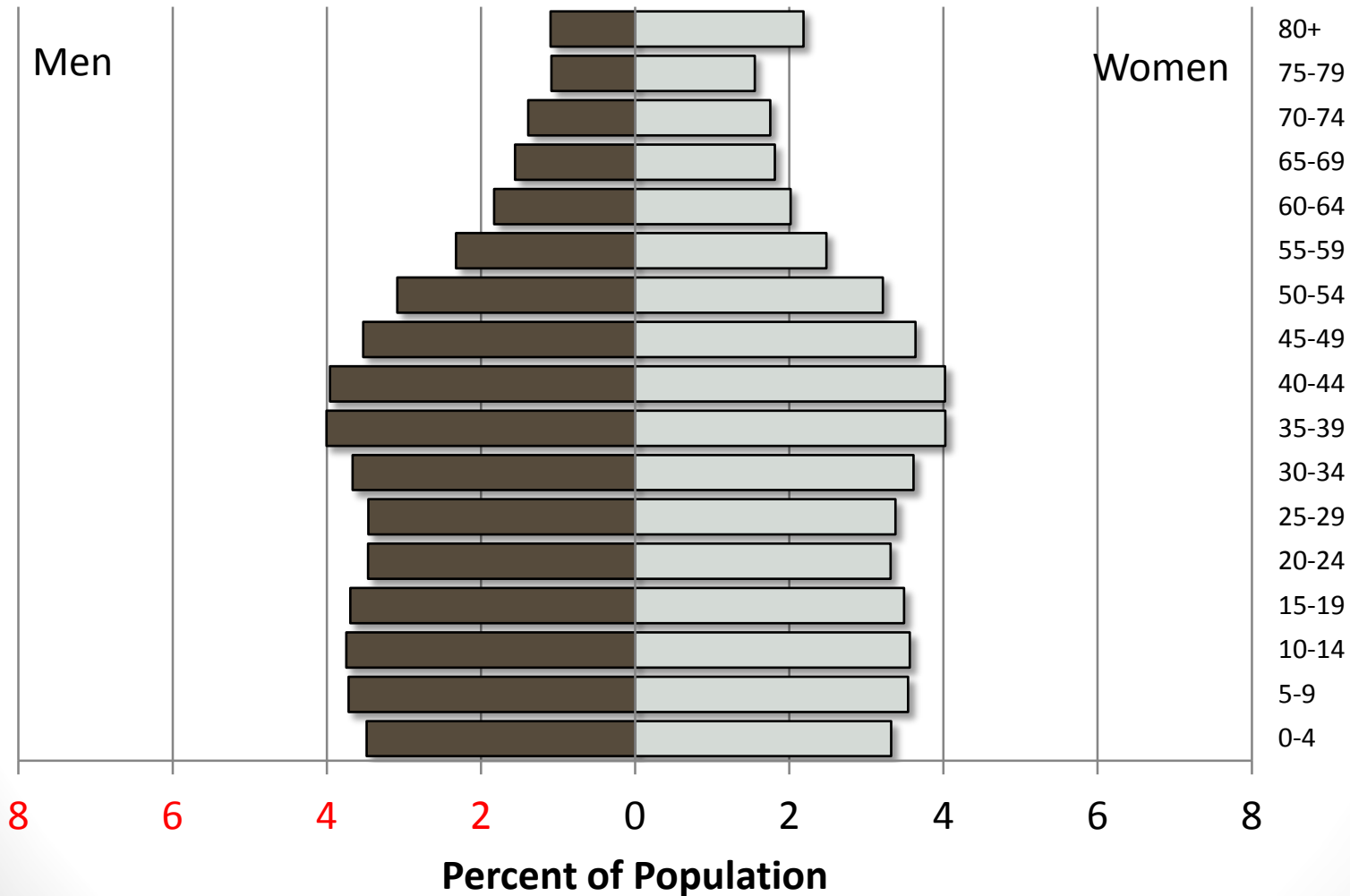
US Population By Age and Sex, 1990



Data Source: U.S. Census Bureau

Population Change – United States

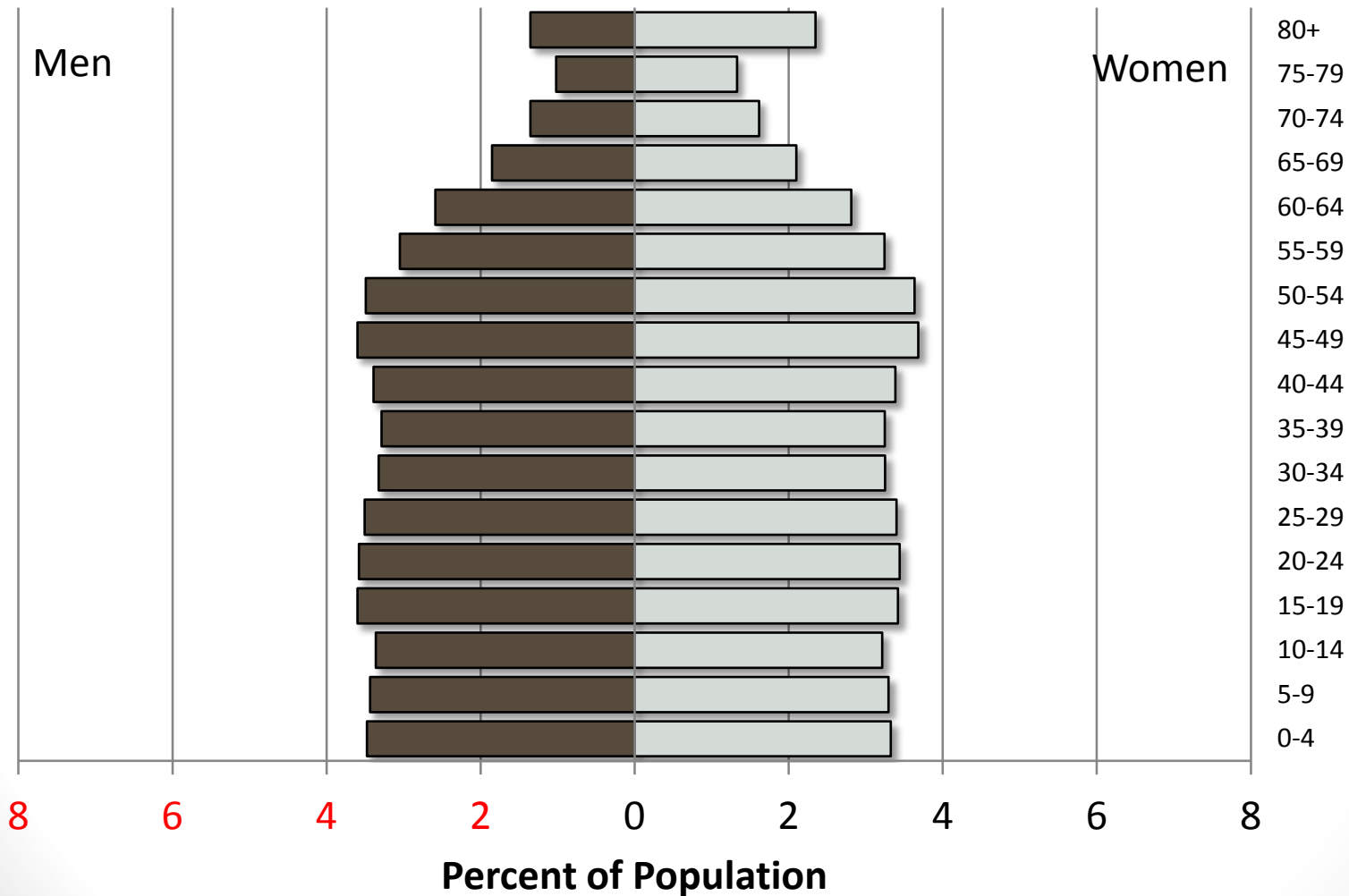
US Population By Age and Sex, 2000



Data Source: U.S. Census Bureau

Population Change – United States

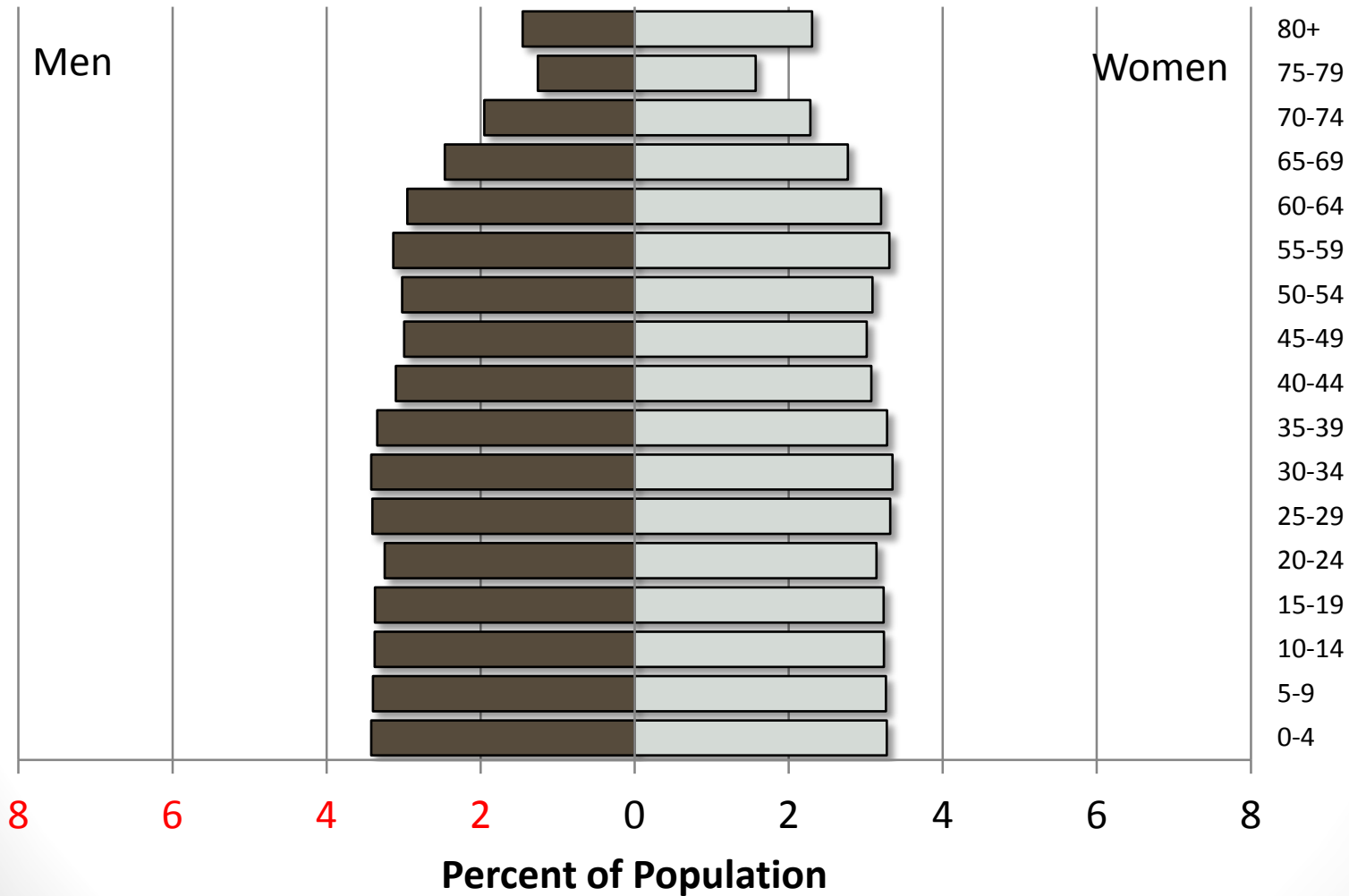
US Population By Age and Sex, 2010



Data Source: U.S. Census Bureau

Population Change – United States

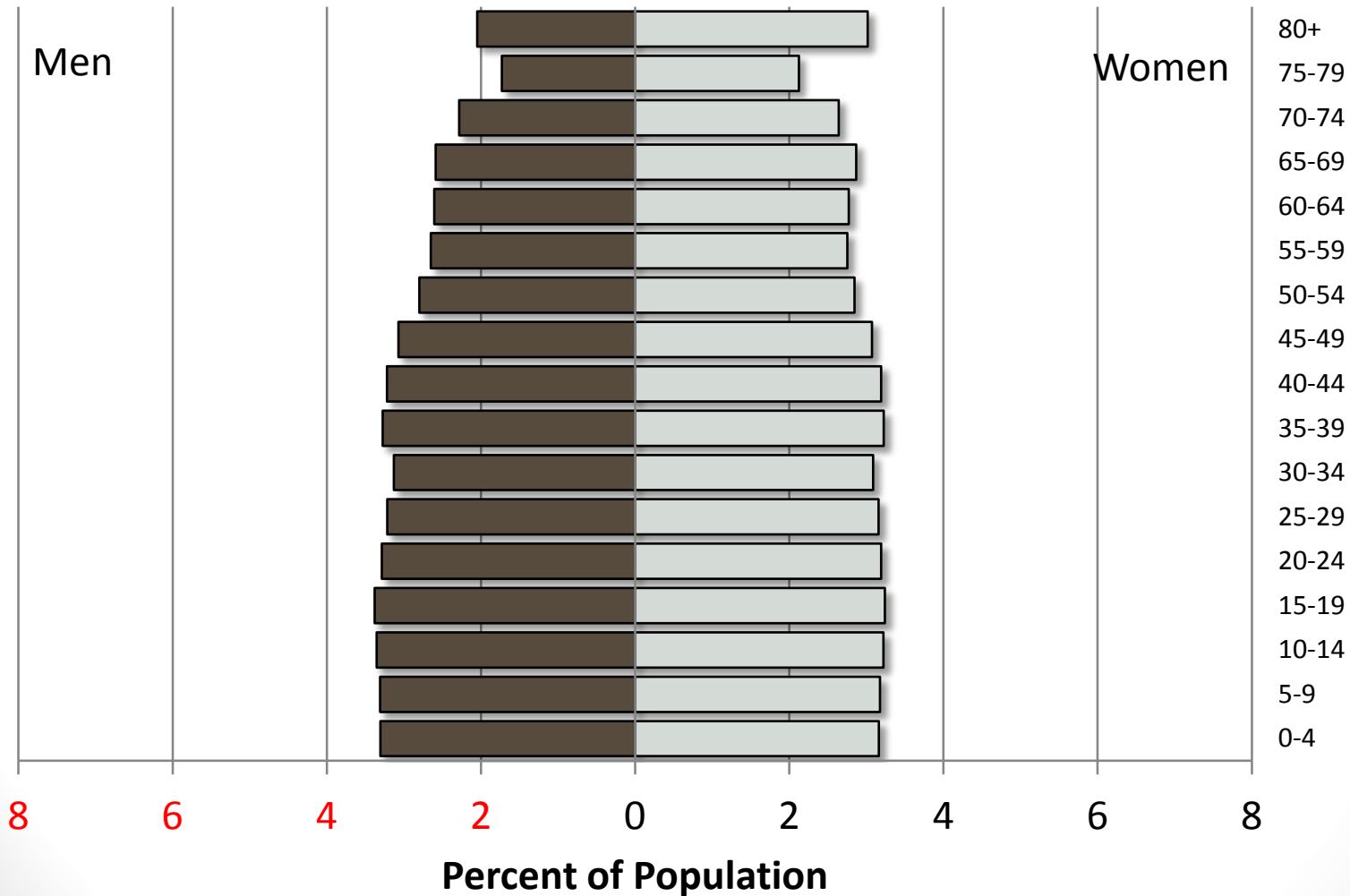
US Population By Age and Sex, 2020



Data Source: U.S. Census Bureau

Population Change – United States

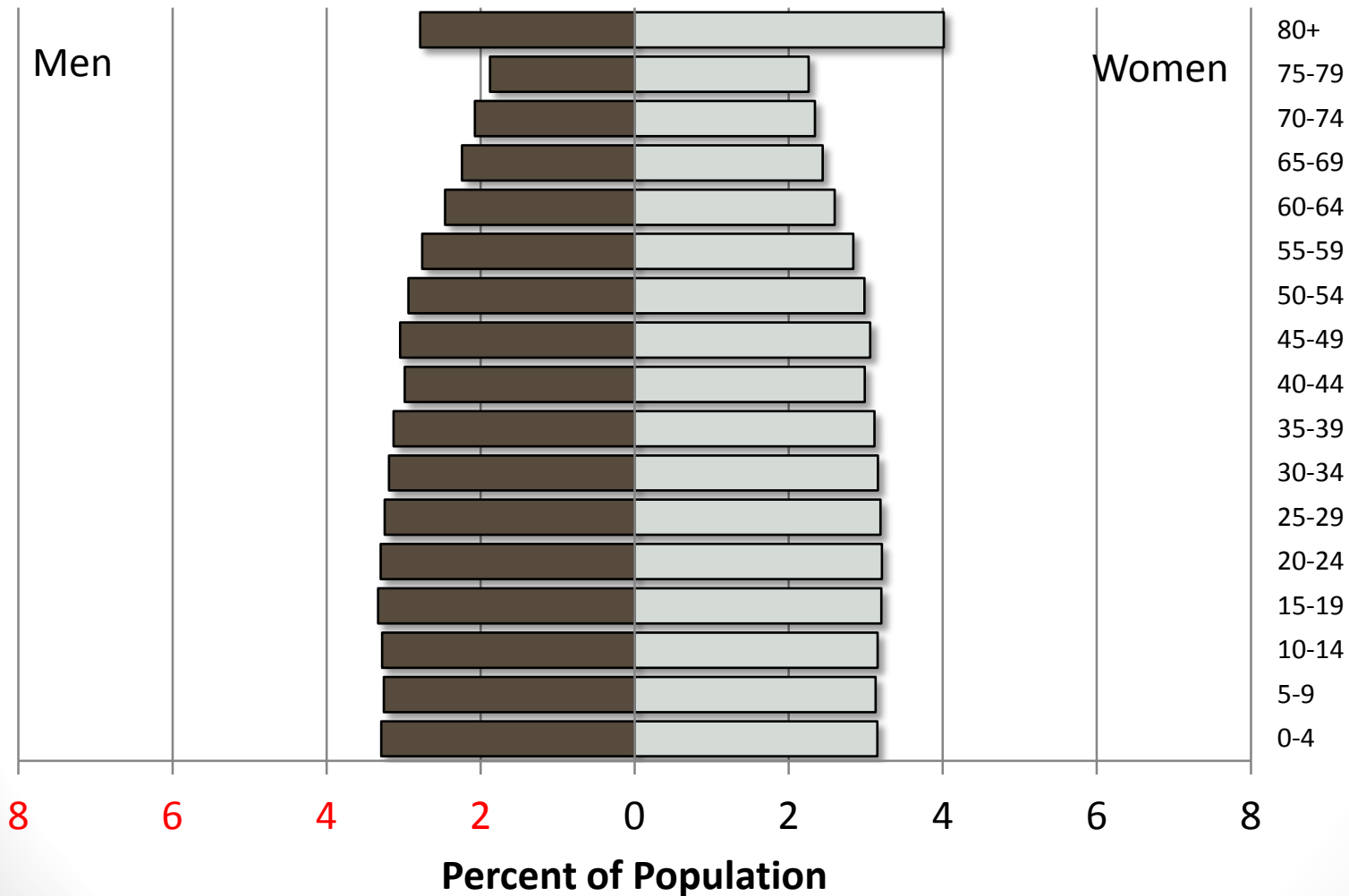
US Population By Age and Sex, 2030



Data Source: U.S. Census Bureau

Population Change – United States

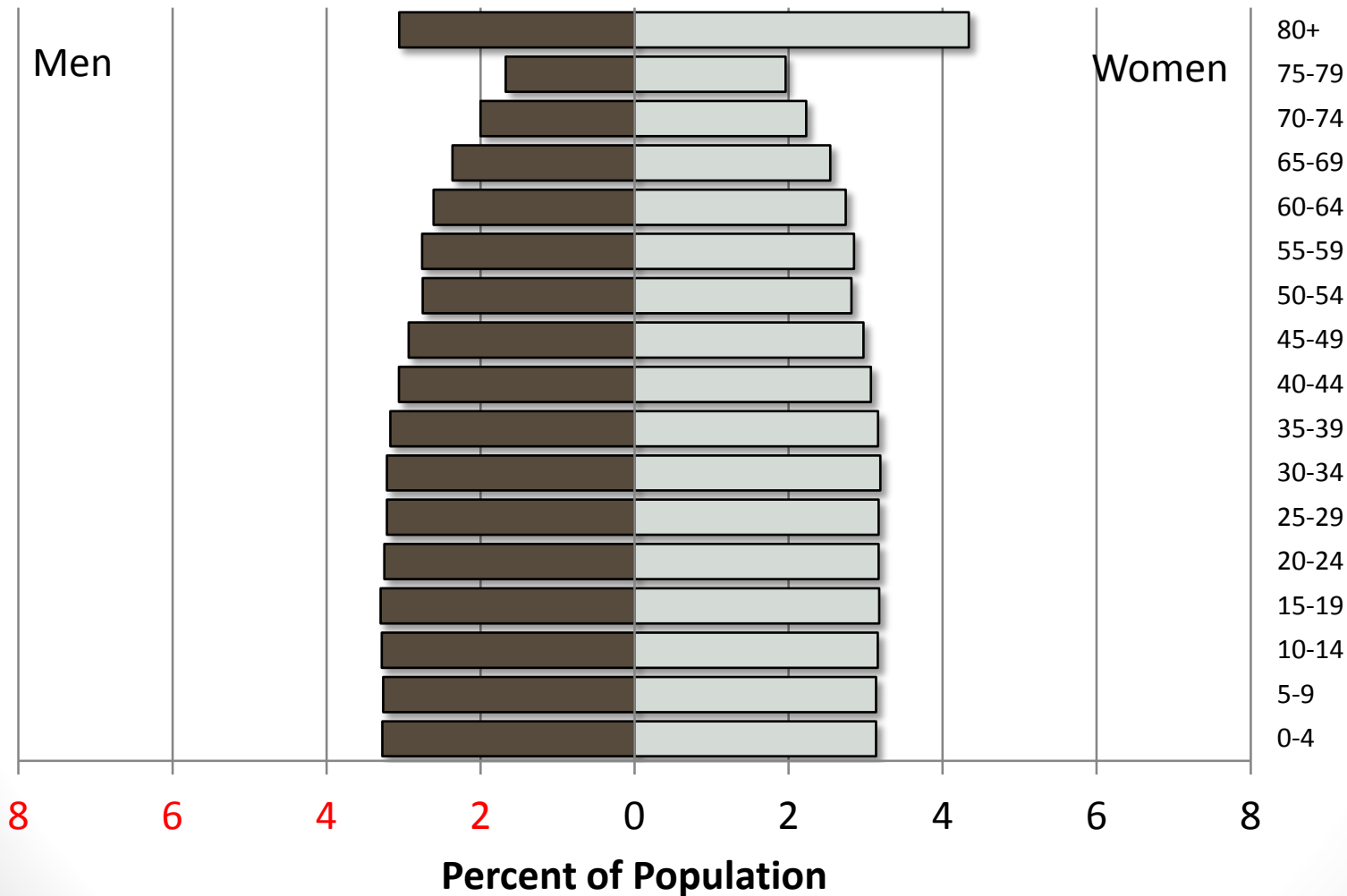
US Population By Age and Sex, 2040



Data Source: U.S. Census Bureau

Population Change – United States

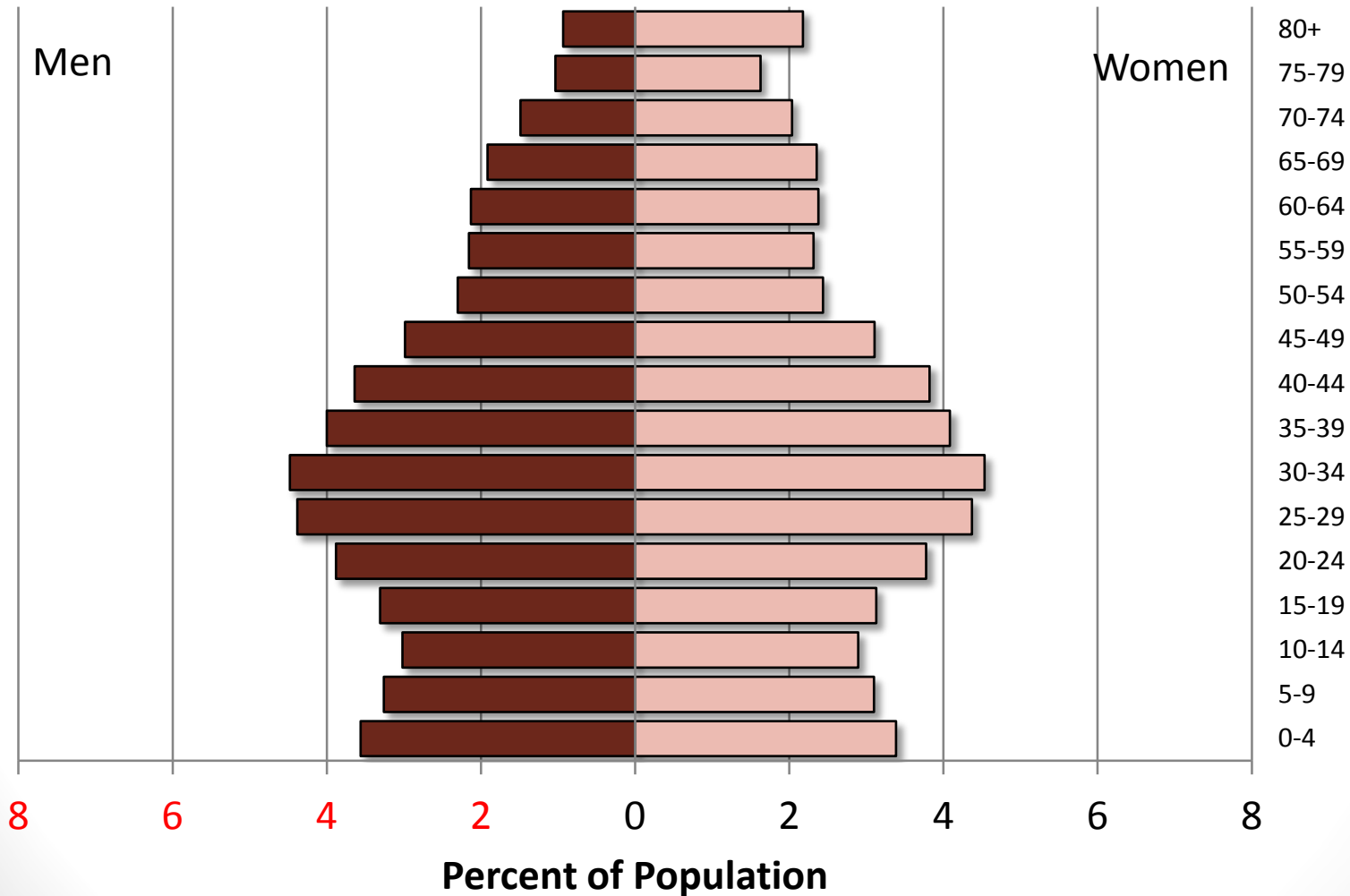
US Population By Age and Sex, 2050



Data Source: U.S. Census Bureau

Population Change – Connecticut

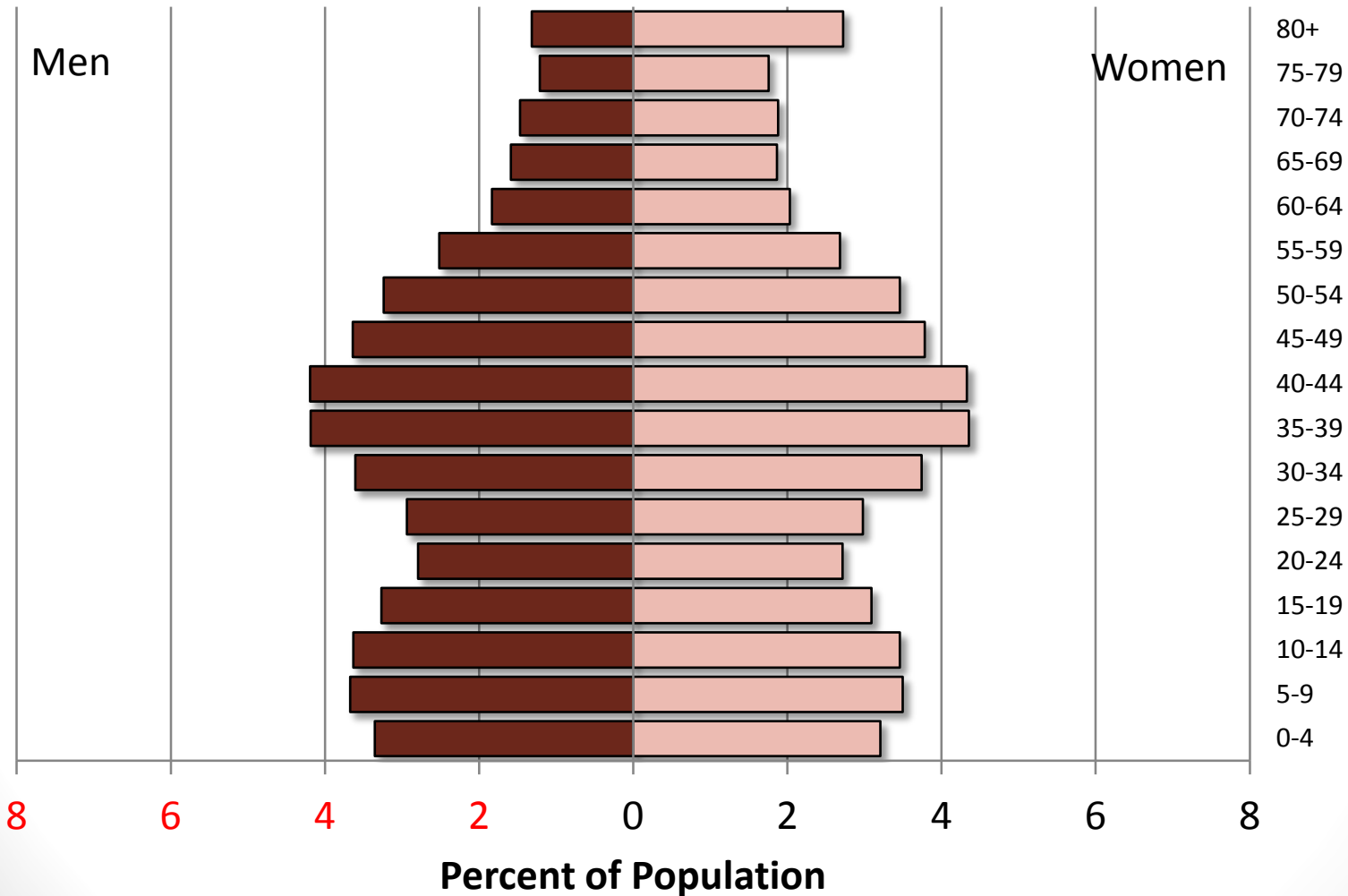
Connecticut Population By Age and Sex, 1990



Data Source: U.S. Census Bureau

Population Change – Connecticut

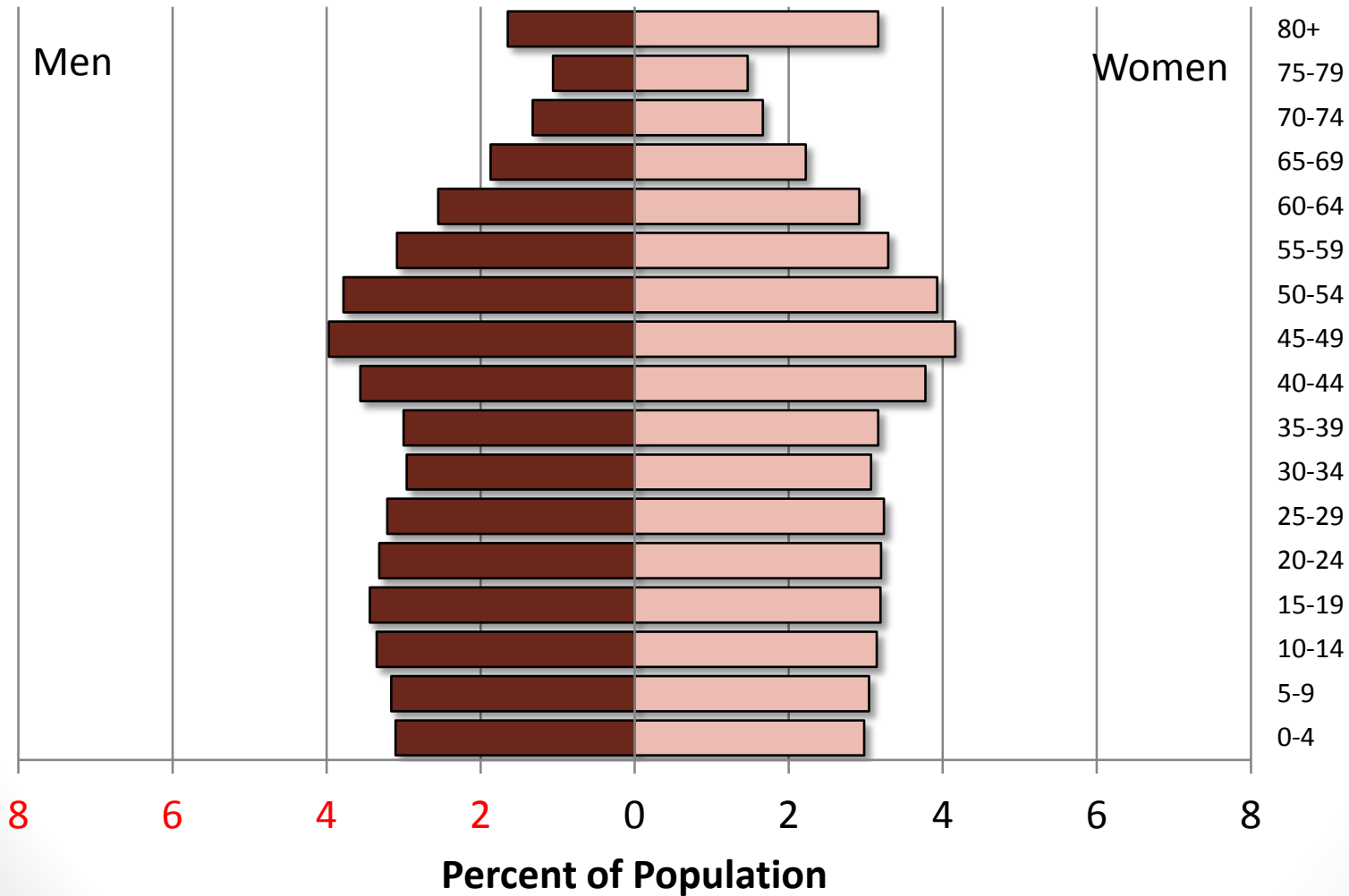
Connecticut Population By Age and Sex, 2000



Data Source: U.S. Census Bureau

Population Change – Connecticut

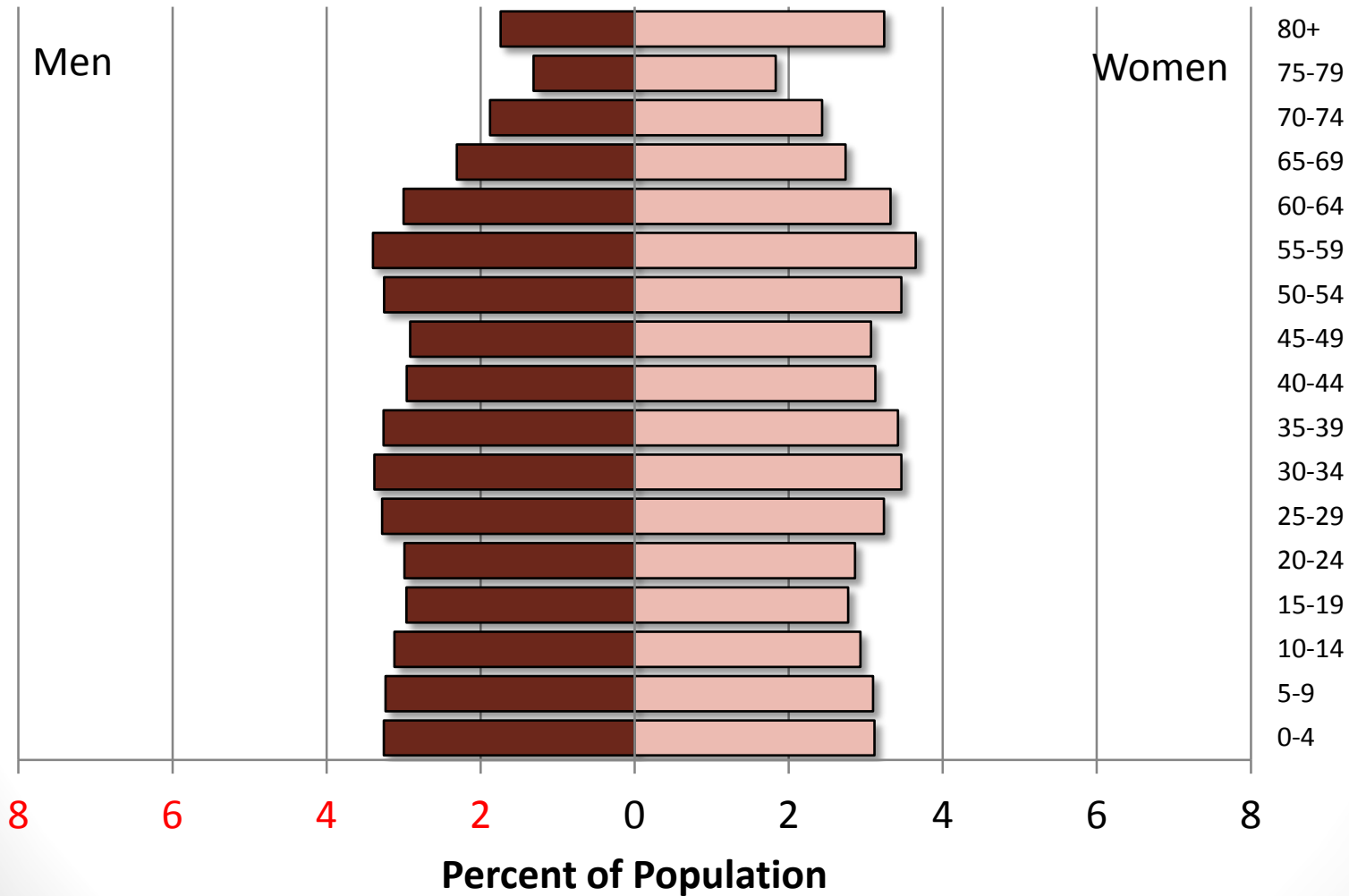
Connecticut Population By Age and Sex, 2010



Data Source: U.S. Census Bureau

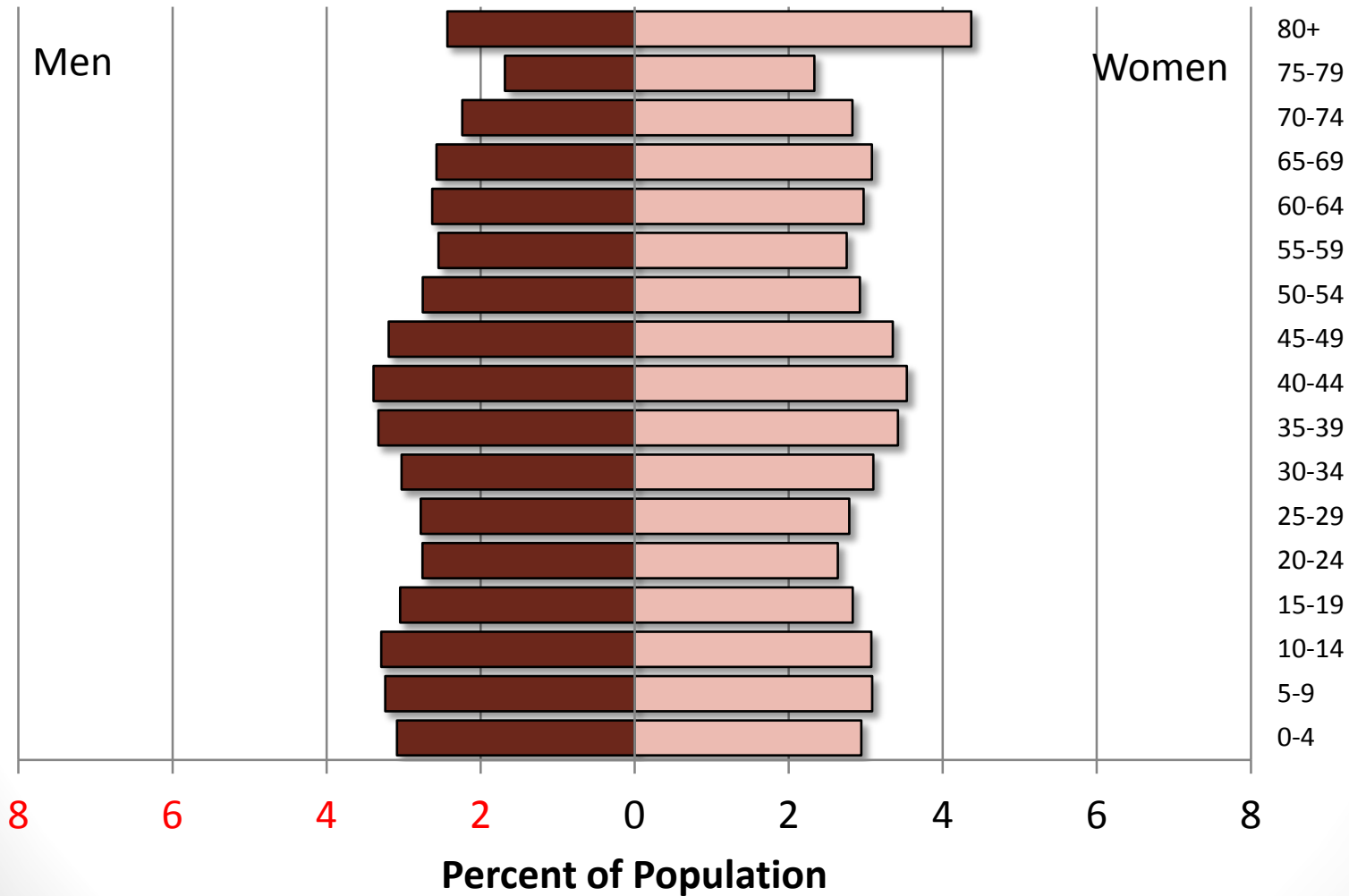
Population Change – Connecticut

Connecticut Population By Age and Sex, 2020



Population Change – Connecticut

Connecticut Population By Age and Sex, 2030



Data Source: U.S. Census Bureau

United States Population Change

	U.S. Population		Change in U.S. Population (from 2010)	
	20-24	70+	20-24	70+
2010	21,779,480	27,968,034	--	--
2020	21,799,193	36,943,962	19,713	8,975,928
2030	24,191,409	51,711,144	2,411,929	23,743,110
2040	26,408,192	62,249,538	4,628,712	34,281,504
2050	28,171,436	67,004,446	6,391,956	39,036,412

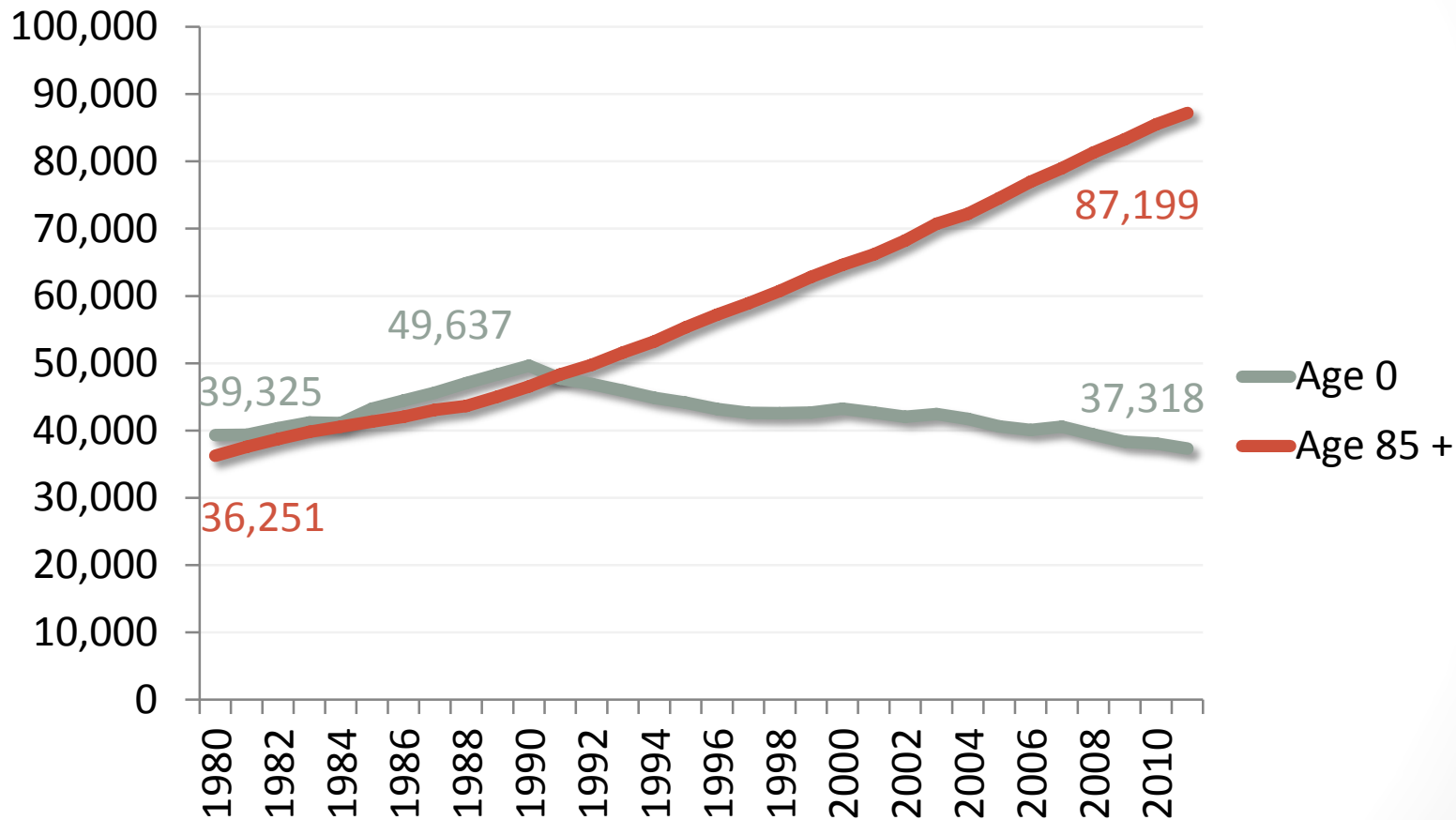
Connecticut Population Change

	Connecticut Population		Change in CT Population (from 2010)	
	20-24	70+	20-24	70+
2010	233,040	369,177	--	--
2020	215,023	457,048	-18,017	87,871
2030	198,927	585,871	-34,113	216,694

Data Source: U.S. Census Bureau

Connecticut Population

Age 0 and Age 85+ from 1990 to 2011

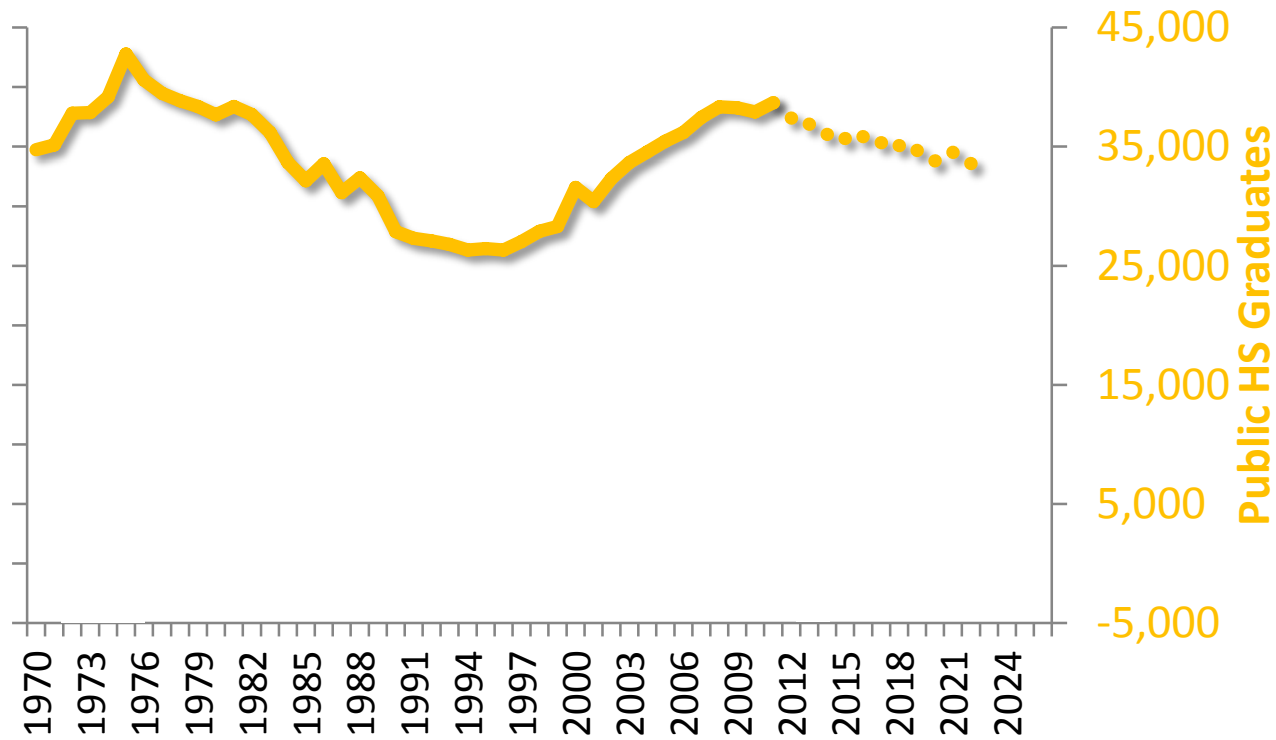


Source: U.S. Census, Intercensal estimates, 1980-89, 1990-1999, 2000-2010, 2011

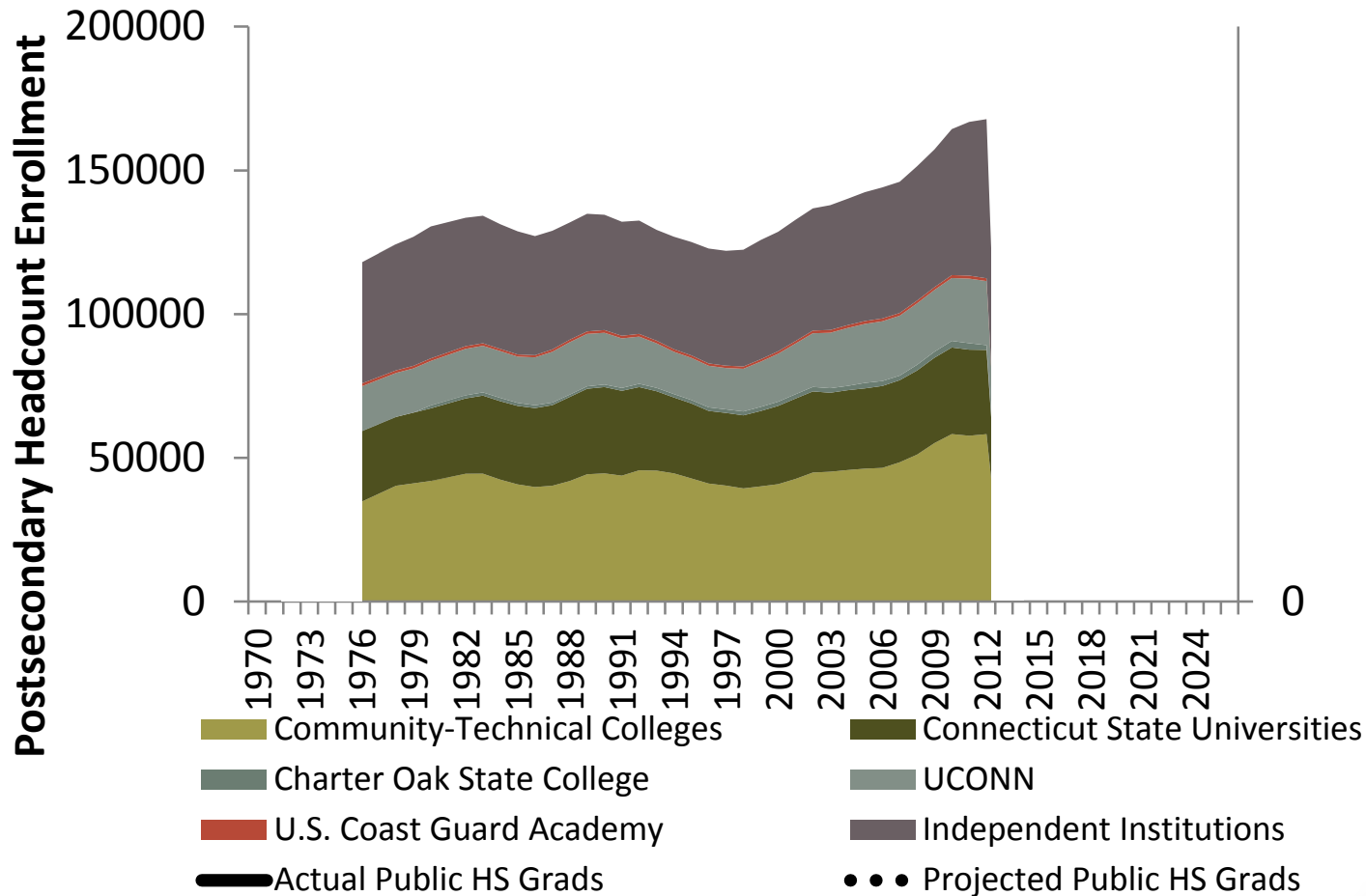
Implications of Population Change

- Shift in budget priorities from education to health care
- Shift in mission of higher education to provide continuing education throughout the lifespan

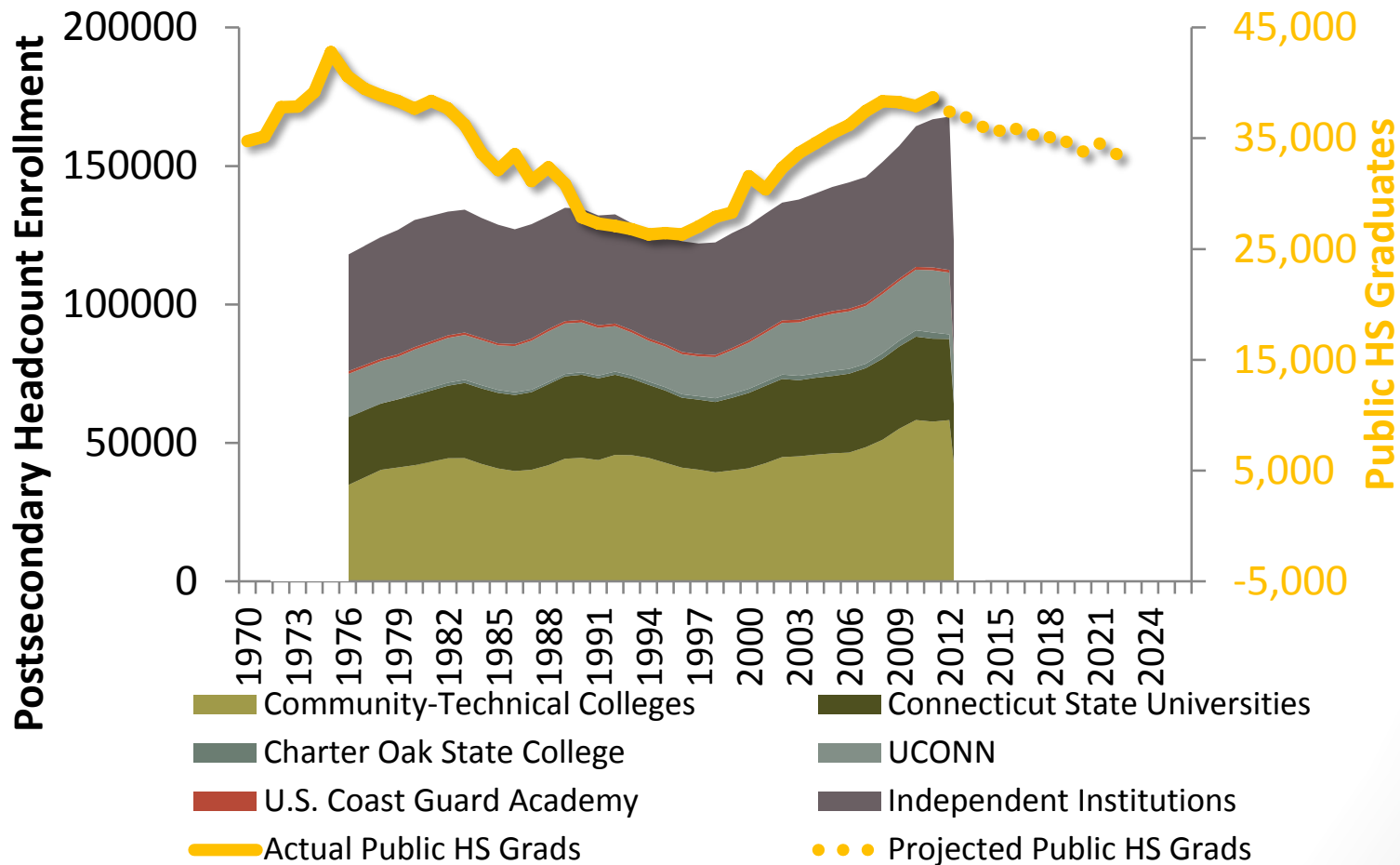
CT Public High School Graduates 1970-2023



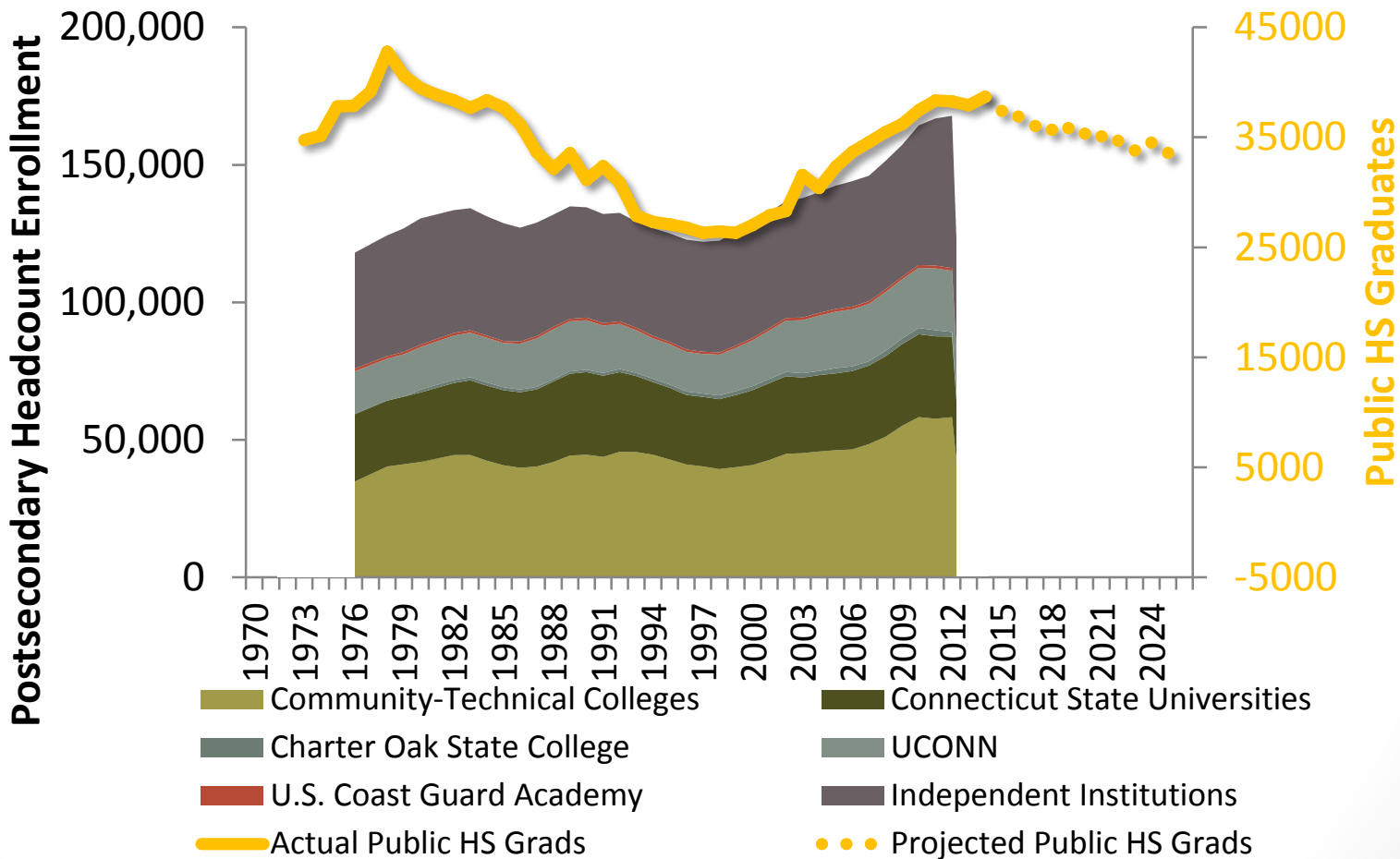
CT Undergraduate Fall Headcount



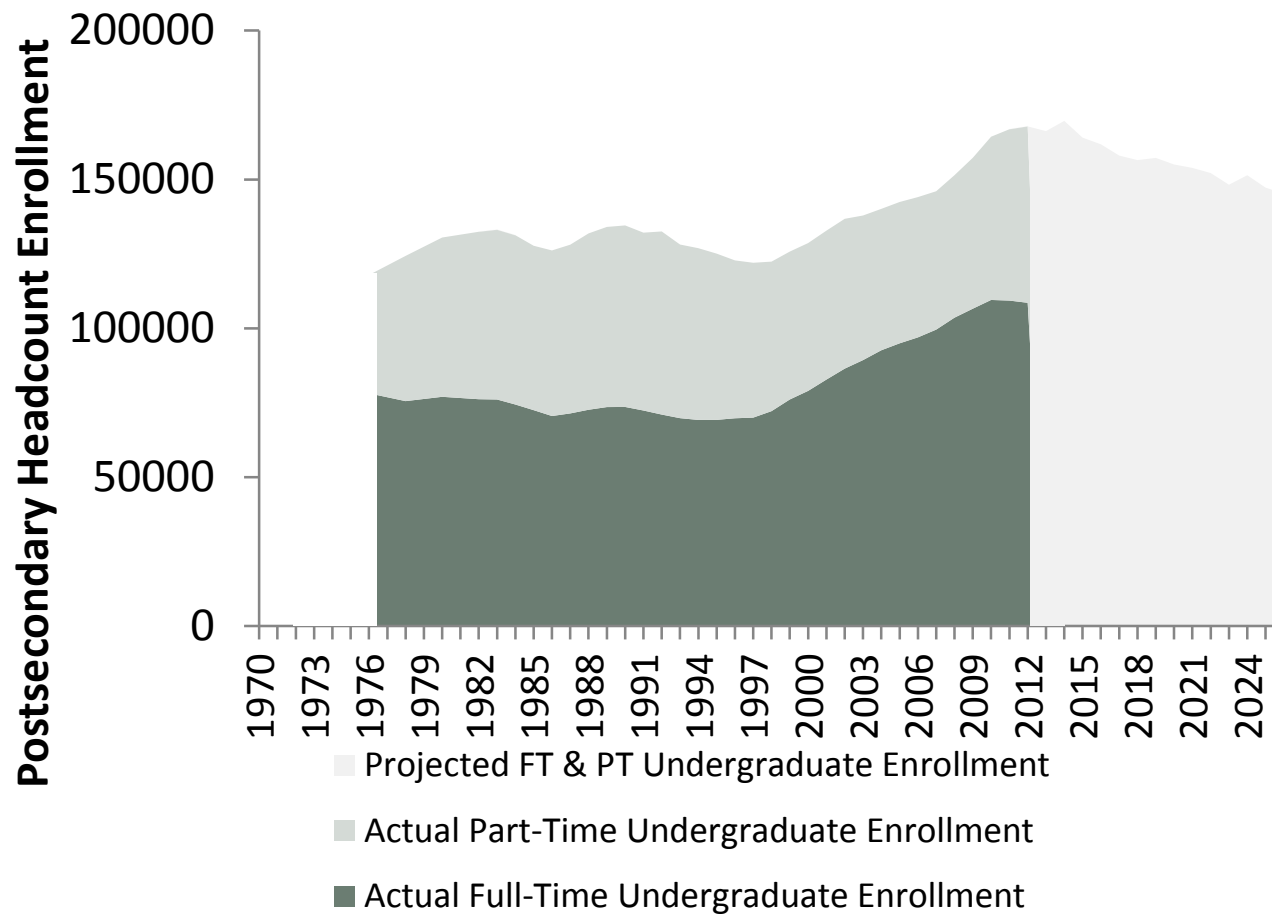
CT Undergraduate Fall Headcount Enrollment & HS Graduates



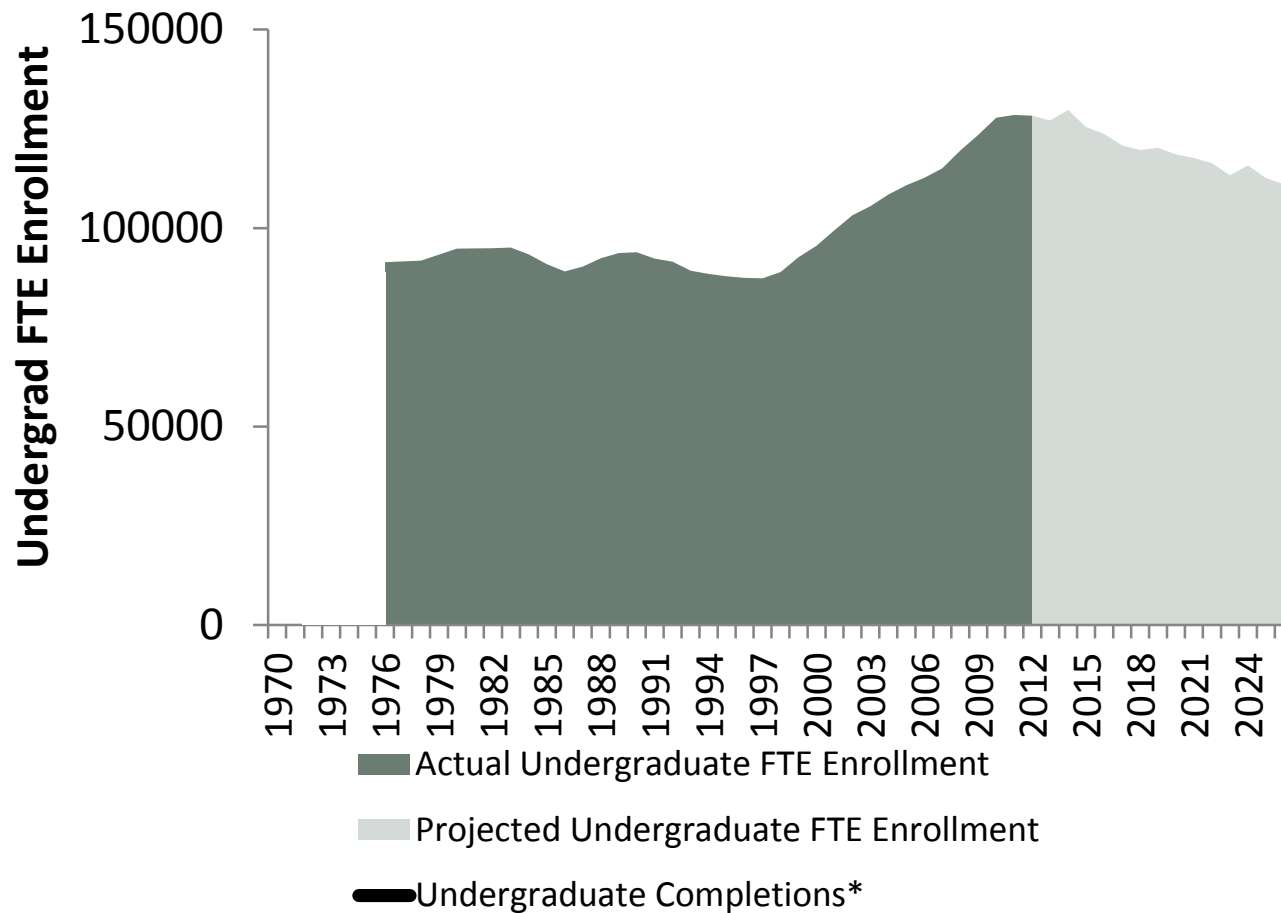
CT Undergraduate Fall Headcount Enrollment & HS Graduates (+3 Years)



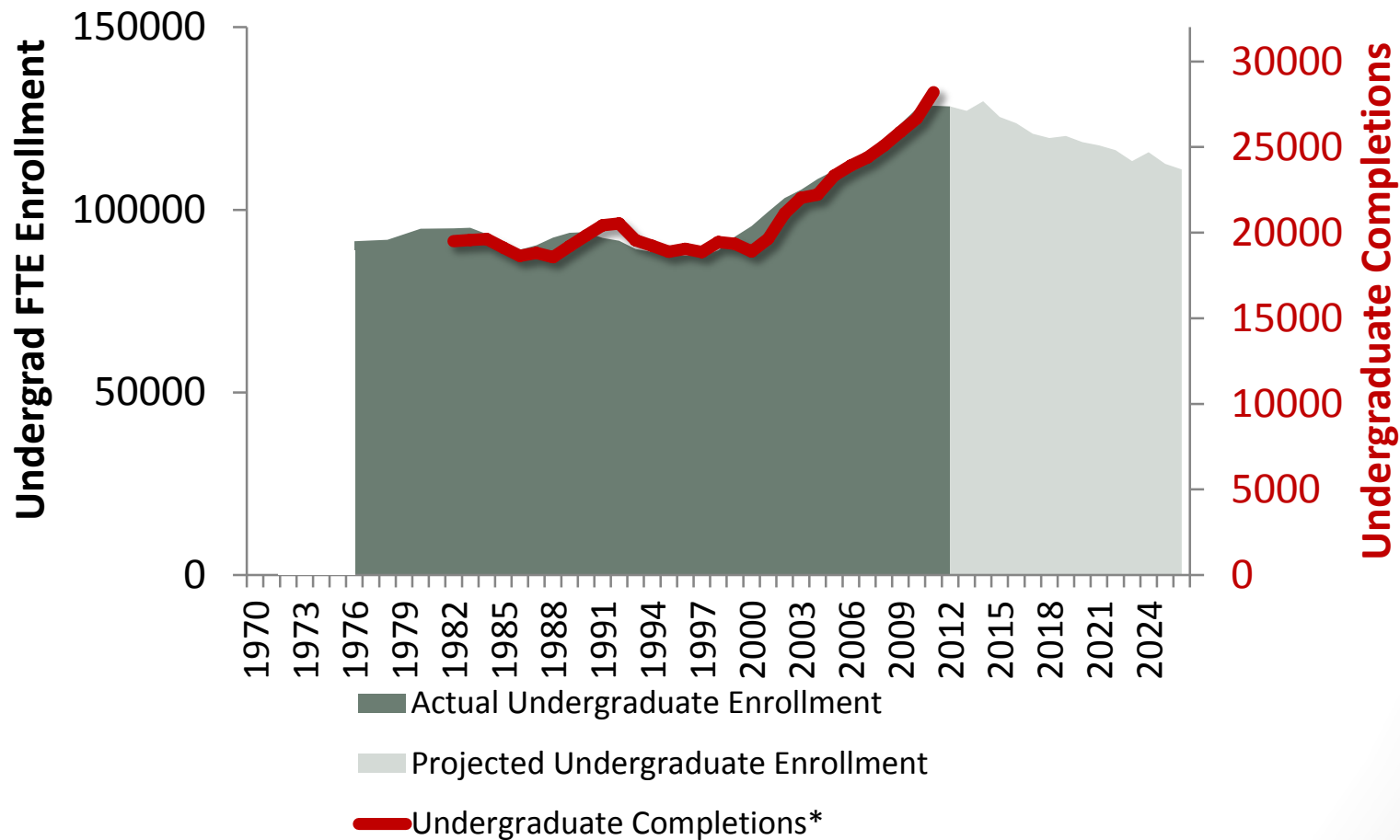
CT Undergraduate Fall Headcount Enrollment (Full-time & Part-time)



CT Undergraduate FTE Enrollment

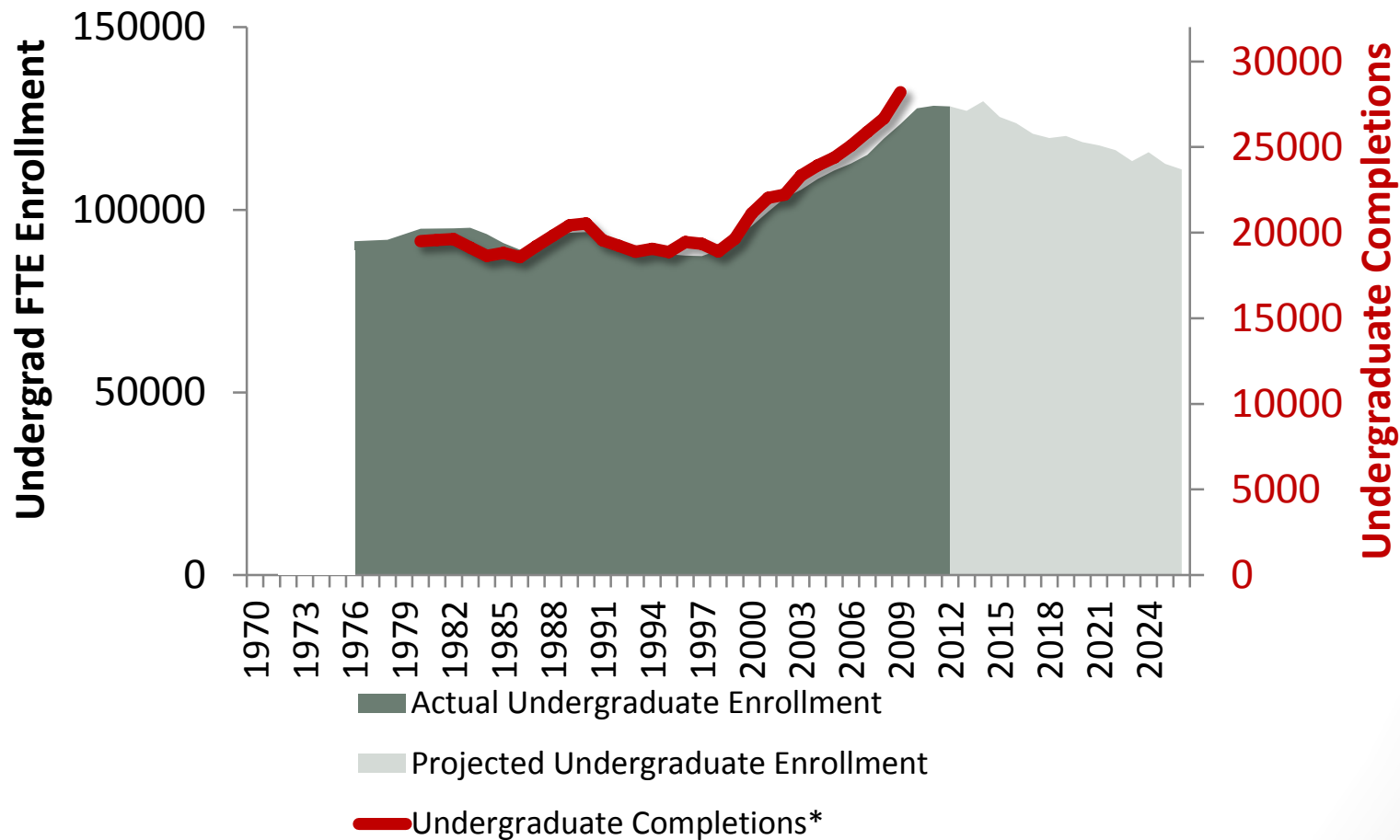


CT Undergraduate FTE Enrollment & Completions



* Undergraduate certificates counted as 1/3 completion

CT Undergraduate FTE Enrollment & Completions (-2 years)



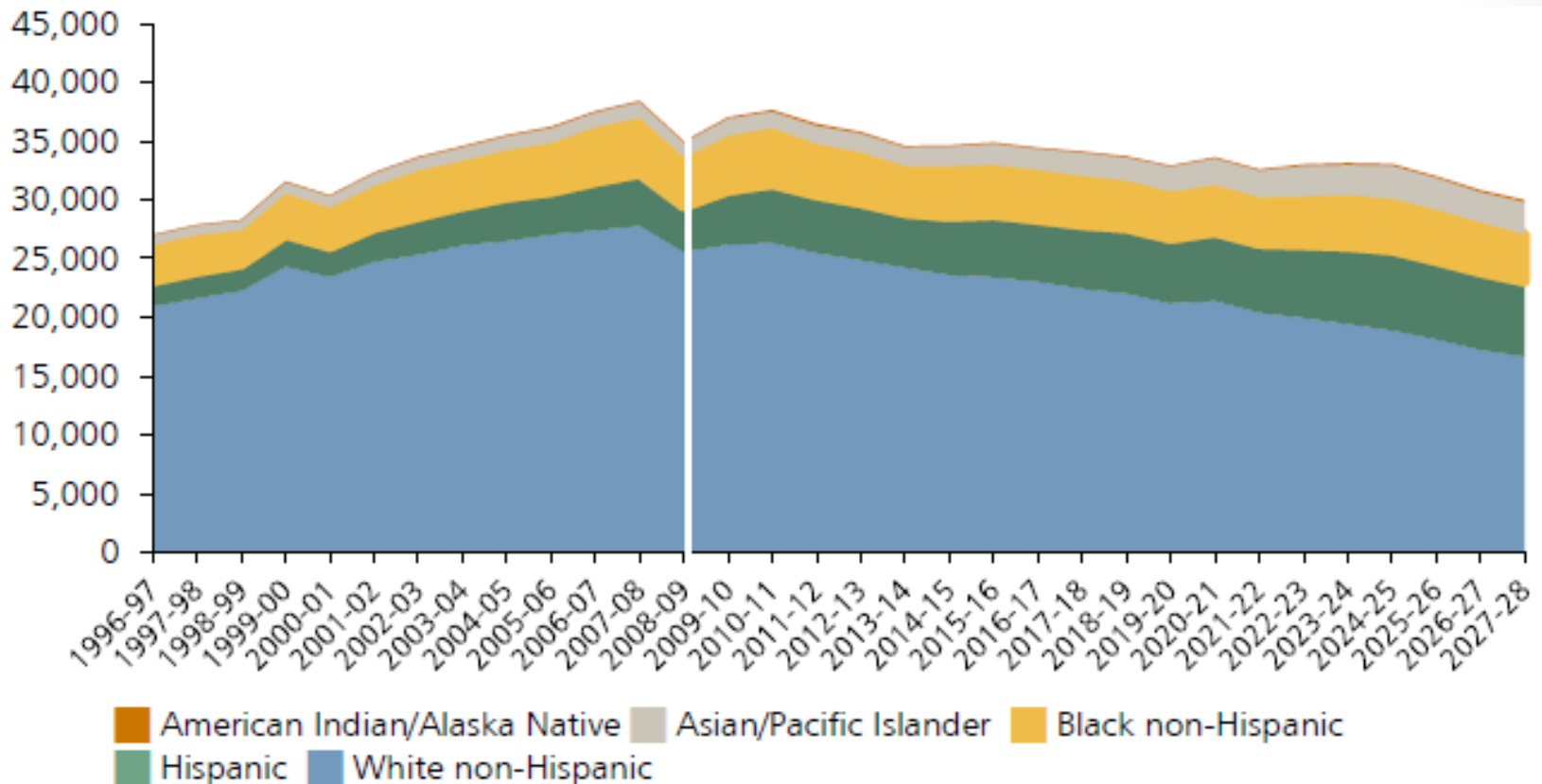
* Undergraduate certificates counted as 1/3 completion

CT Educational Attainment, Ages 25-44

Educational Attainment	Pop. 25 to 44 years	
	N	Pct
Less than 9th grade	26,524	3.0
9th to 12th grade, no diploma	53,218	5.9
High school graduate, GED, or alternative	217,326	24.3
Some college, no degree	171,999	19.2
Associate's degree	68,097	7.6
Bachelor's degree	217,284	24.3
Graduate or professional degree	140,685	15.7
Total	895,133	100.0
Attained Associate's Degree or Higher	426,066	47.6
At least HS diploma, no college degree	389,325	43.5

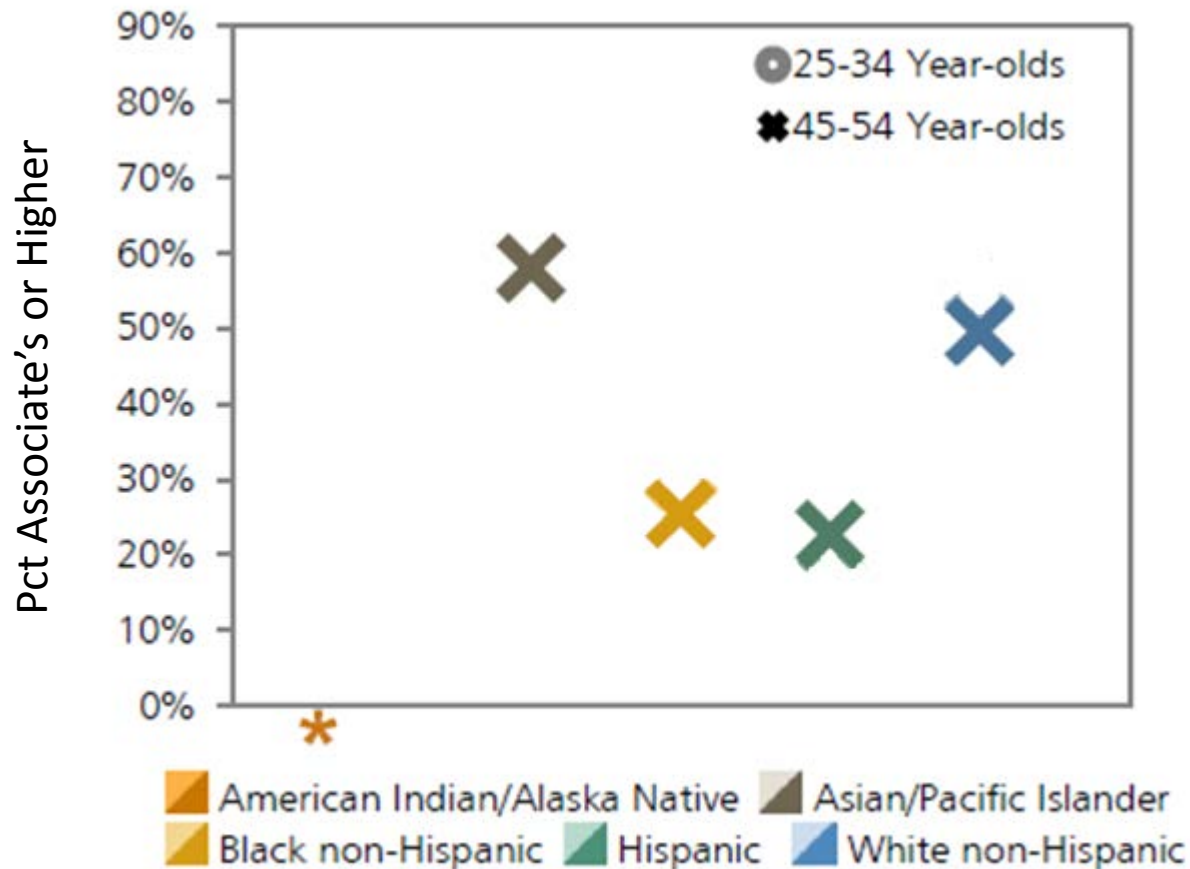
Source: U.S. Census, American Community Survey, 2011, 1-Year Est.

CT High School Graduates by Race/Ethnicity



Source: Knocking at the College Door (WICHE, 2012)

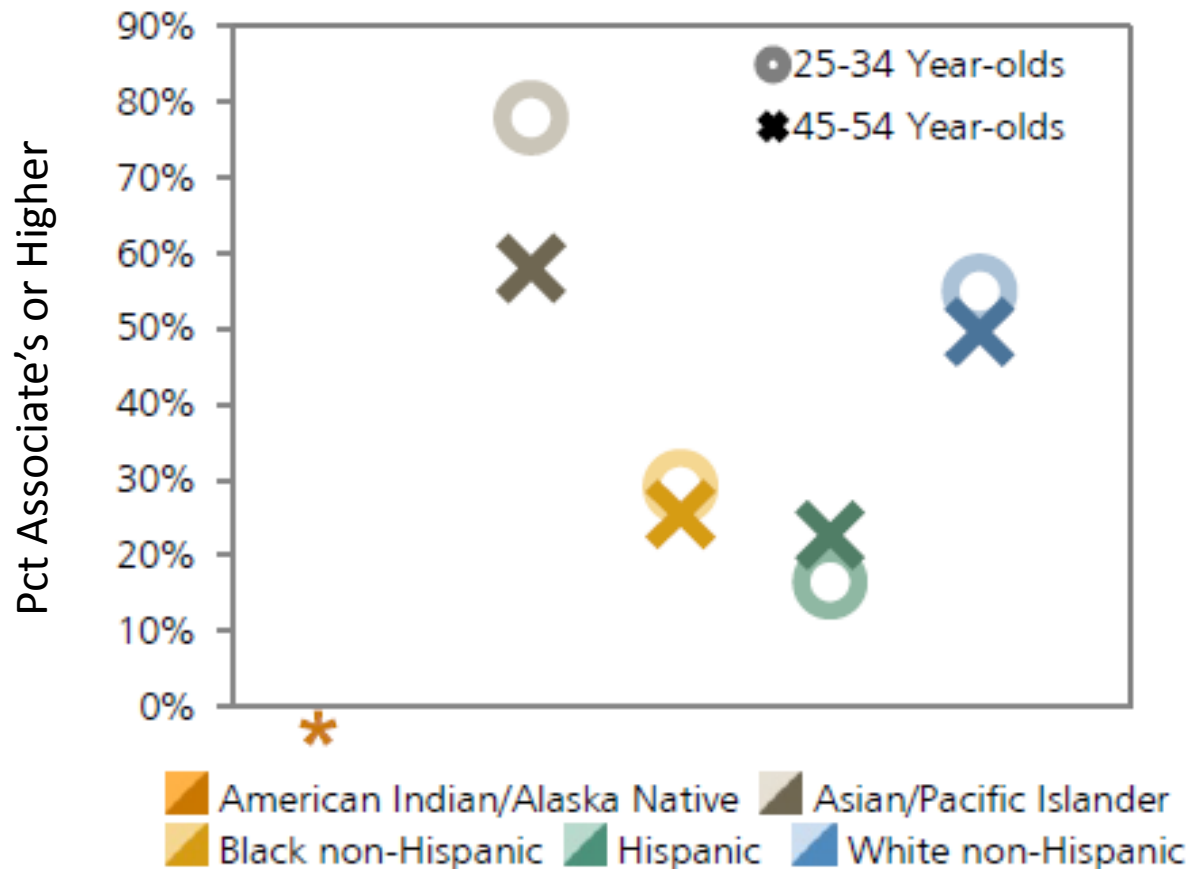
CT Educational Attainment by Race/Ethnicity



Note: No estimates are reported due to insufficient sample size or a coefficient of variation that exceeded 25% for at least one of the estimates.

Source: Knocking at the College Door (WICHE, 2012)

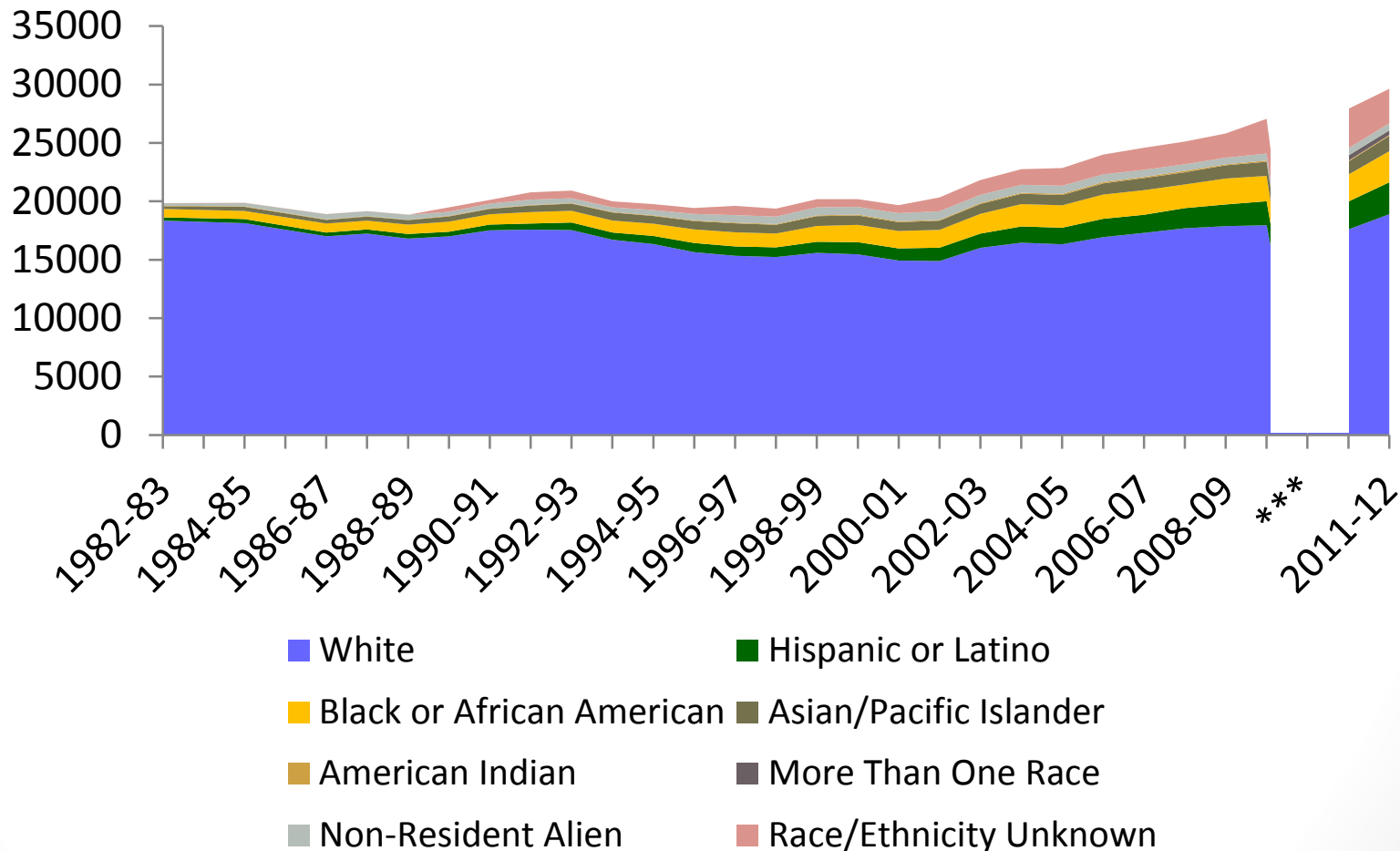
CT Educational Attainment by Race/Ethnicity



Note: No estimates are reported due to insufficient sample size or a coefficient of variation that exceeded 25% for at least one of the estimates.

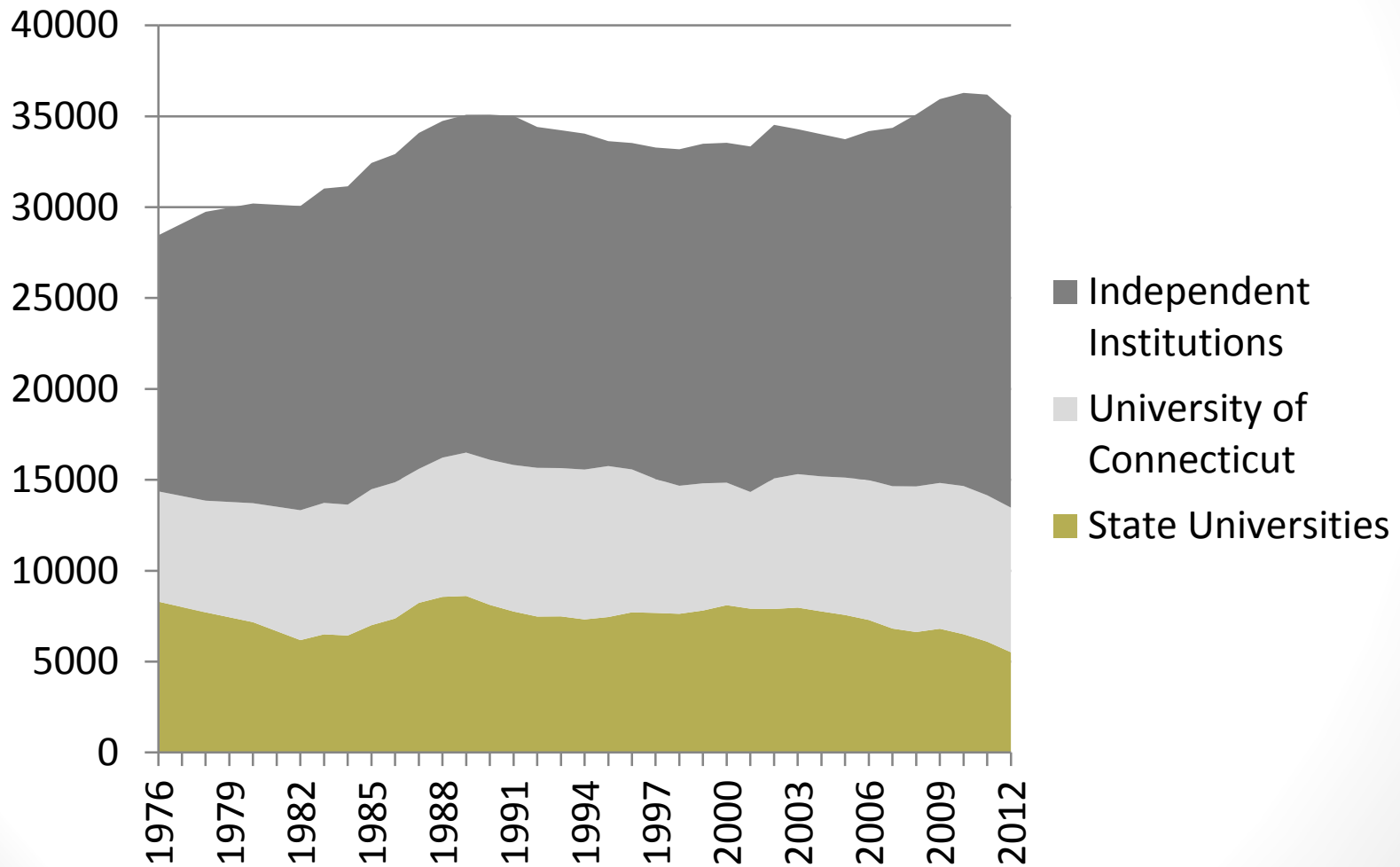
Source: Knocking at the College Door (WICHE, 2012)

Undergraduate Completions by Race/Ethnicity

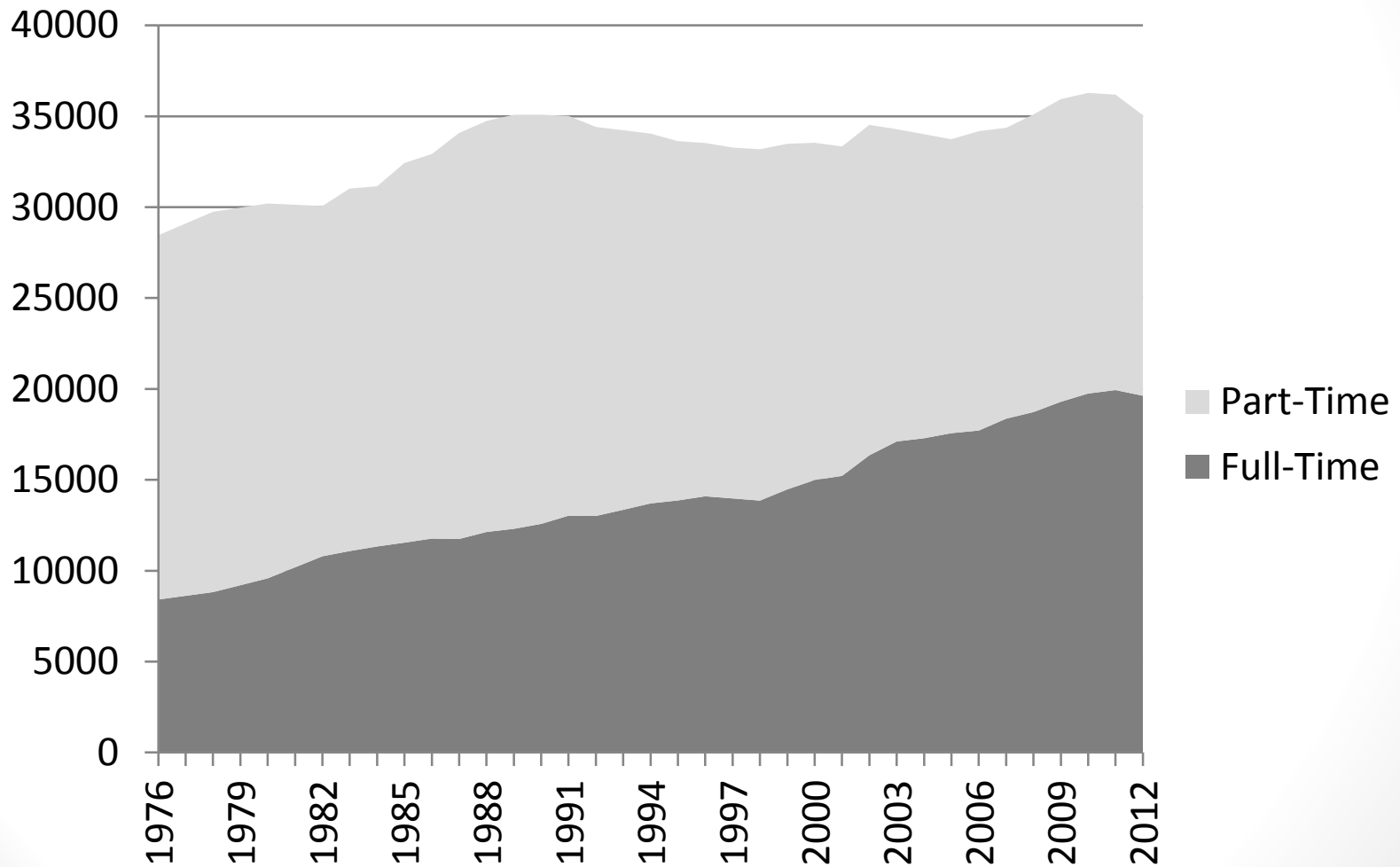


*** Race/ethnicity collection and reporting changed in 2010. Subsequent data may not be comparable; interpret with caution

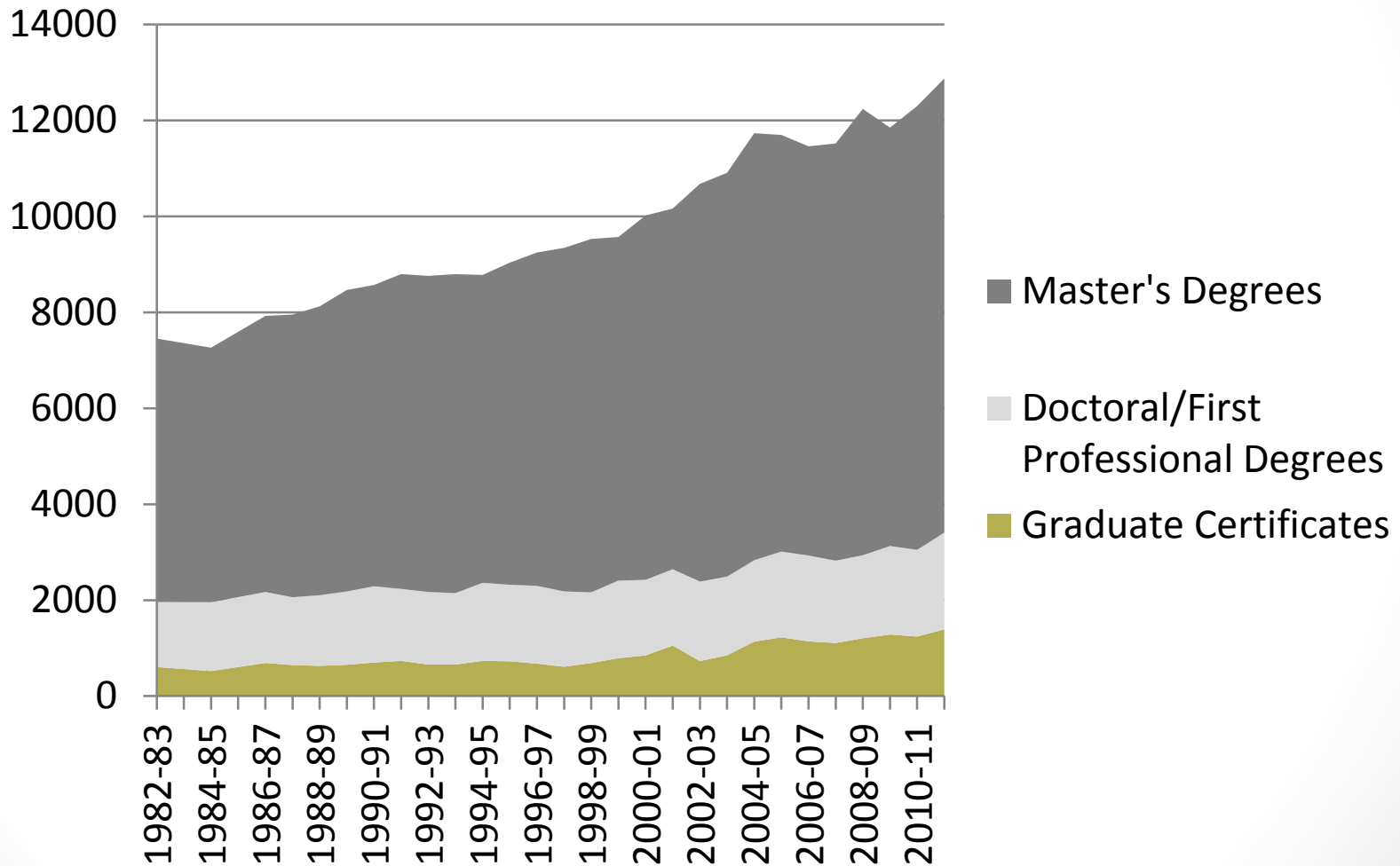
Graduate Student Enrollment



Graduate Student Enrollment

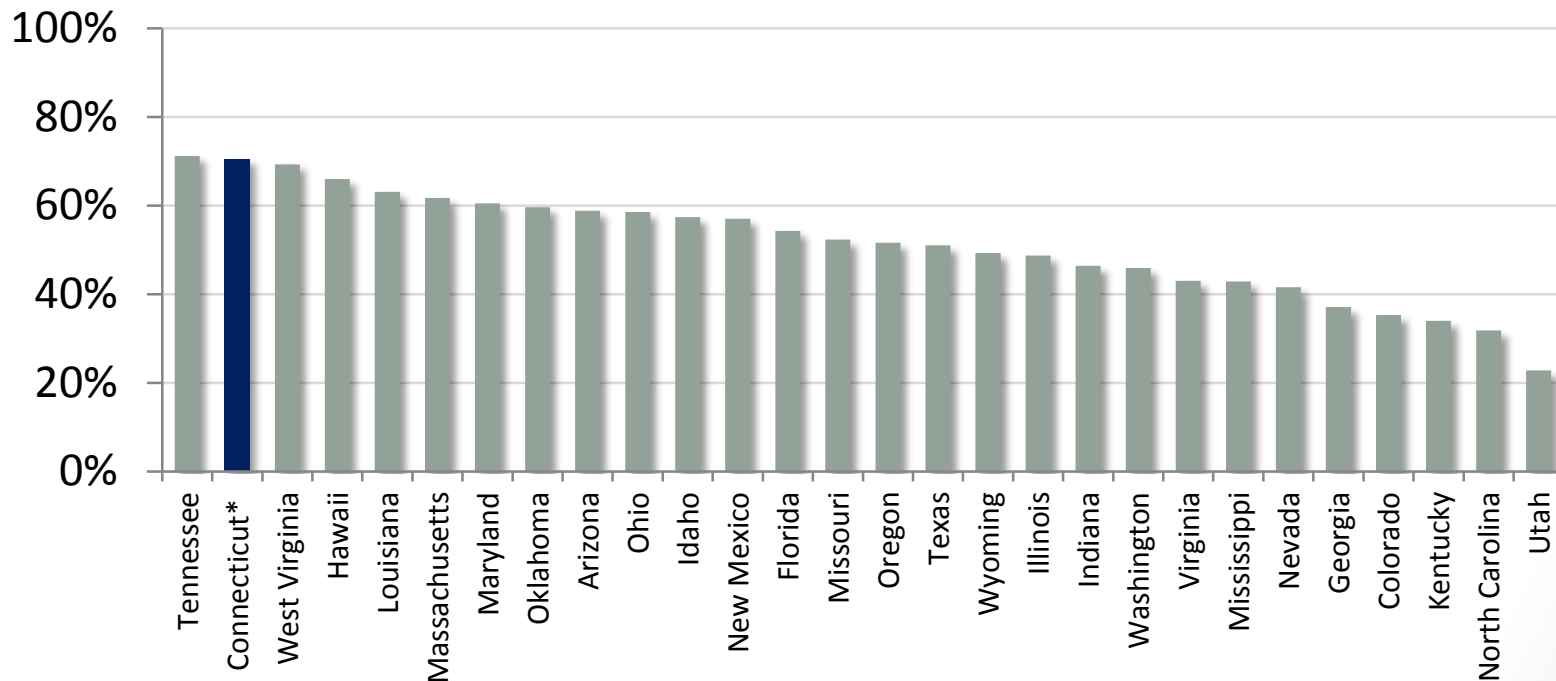


Graduate Degree Completions



College Readiness CT Community Colleges

Percent of Students Enrolling in Remedial Courses in Public 2-year Institutions



Source: Complete College America, Time Is the Enemy (2011). Comparison data are from entering students in 2006; CT data are from entering students in 2008 reported to CCA in 2013..

Student Success -Time to Degree CT Public Institutions

Award/Entry Status	Average Years	State Rank
Certificate-Seeking		
Full-Time	3.4	14 out of 26
Part-Time	5.0	18 out of 26
Associate's-Seeking		
Full-Time	4.3	19 out of 28
Part-Time	5.6	18 out of 28
Bachelor's-Seeking		
Full-Time	4.4*	7 out of 29*
Part-Time	5.2*	8 out of 29*

Source: Complete College America, Time Is the Enemy (2011). Comparison data are from completions in 2007-08; CT data are from 2010-11 completions reported to CCA in 2013.

*Because Connecticut does not capture unit records at the state level for public higher education, these figures may not reflect all credits earned.

Student Success - Credits to Degree CT Public Institutions

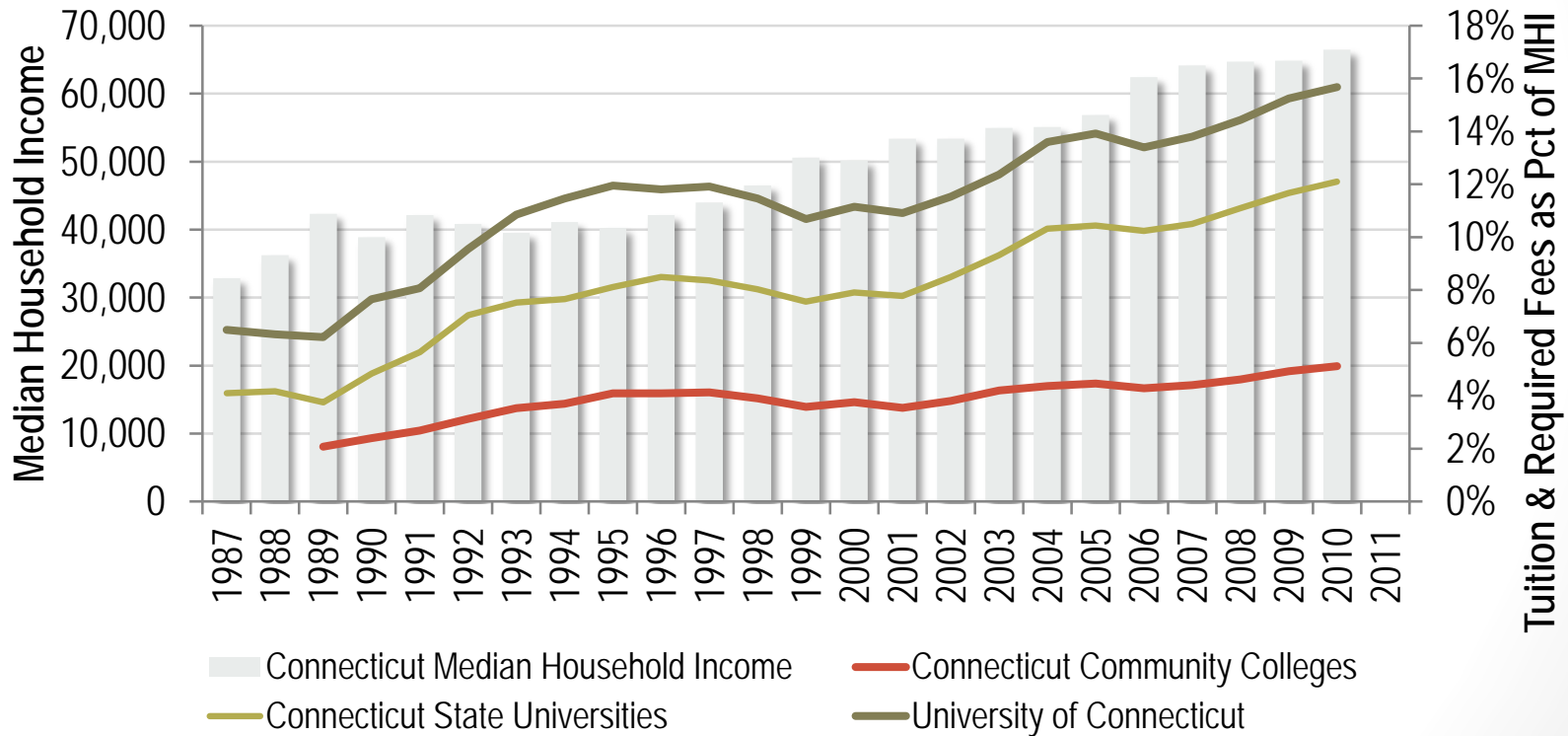
Award/Entry Status	Average Credits	State Rank
Certificate-Seeking		
Full-Time	77	21 out of 25
Part-Time	70	21 out of 25
Associate's-Seeking		
Full-Time	84	16 out of 28
Part-Time	85	19 out of 28
Bachelor's-Seeking		
Full-Time	125*	2 out of 29*
Part-Time	115*	2 out of 28*

Source: Complete College America, Time Is the Enemy (2011). Comparison data are from completions in 2007-08; CT data are from 2010-11 completions reported to CCA in 2013.

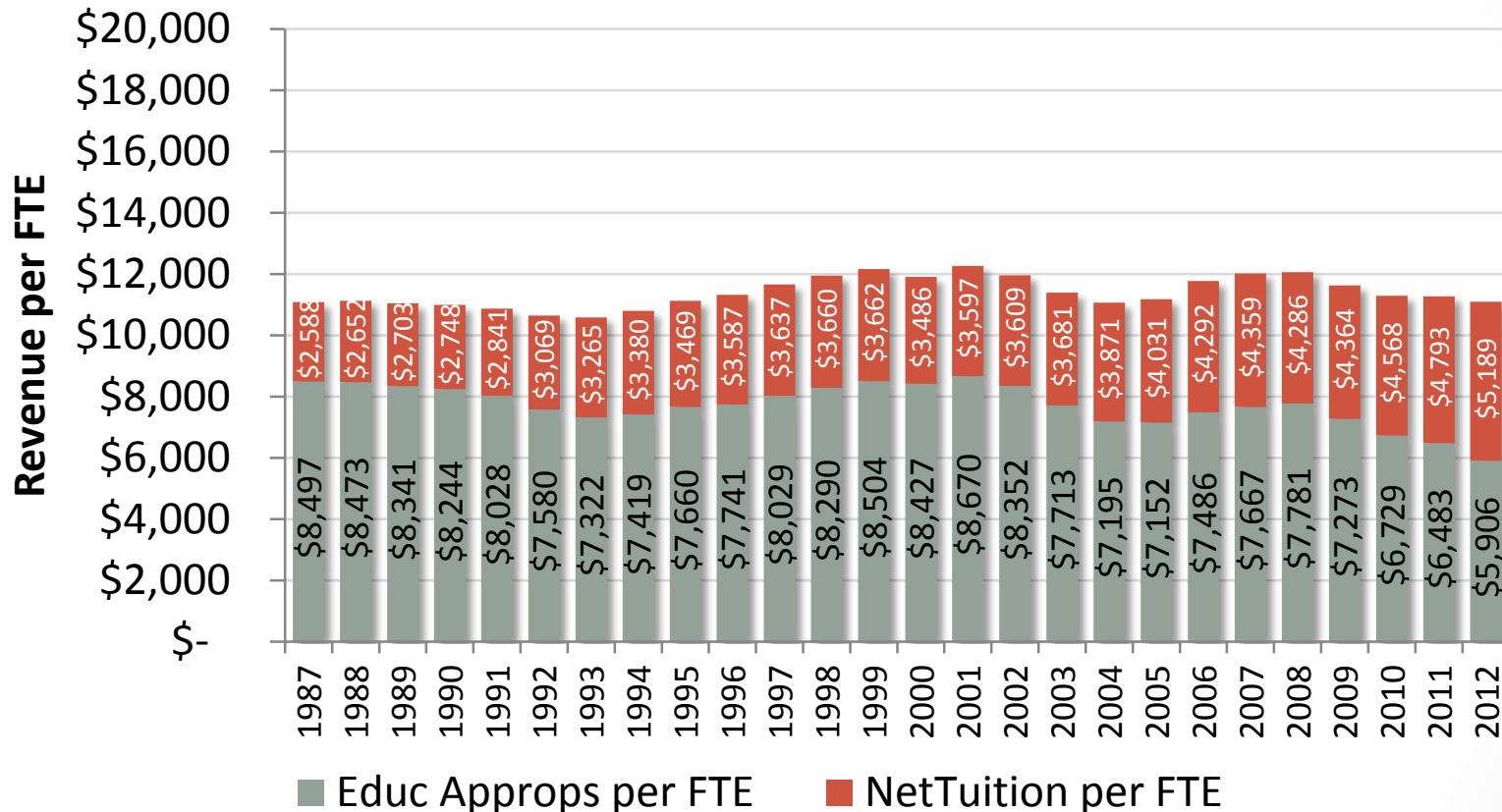
*Because Connecticut does not capture unit records at the state level for public higher education, these figures may not reflect all credits earned.

Affordability – Student Charges

CT Median Household Income and Tuition + Required Fees for Community Colleges and CT State Universities

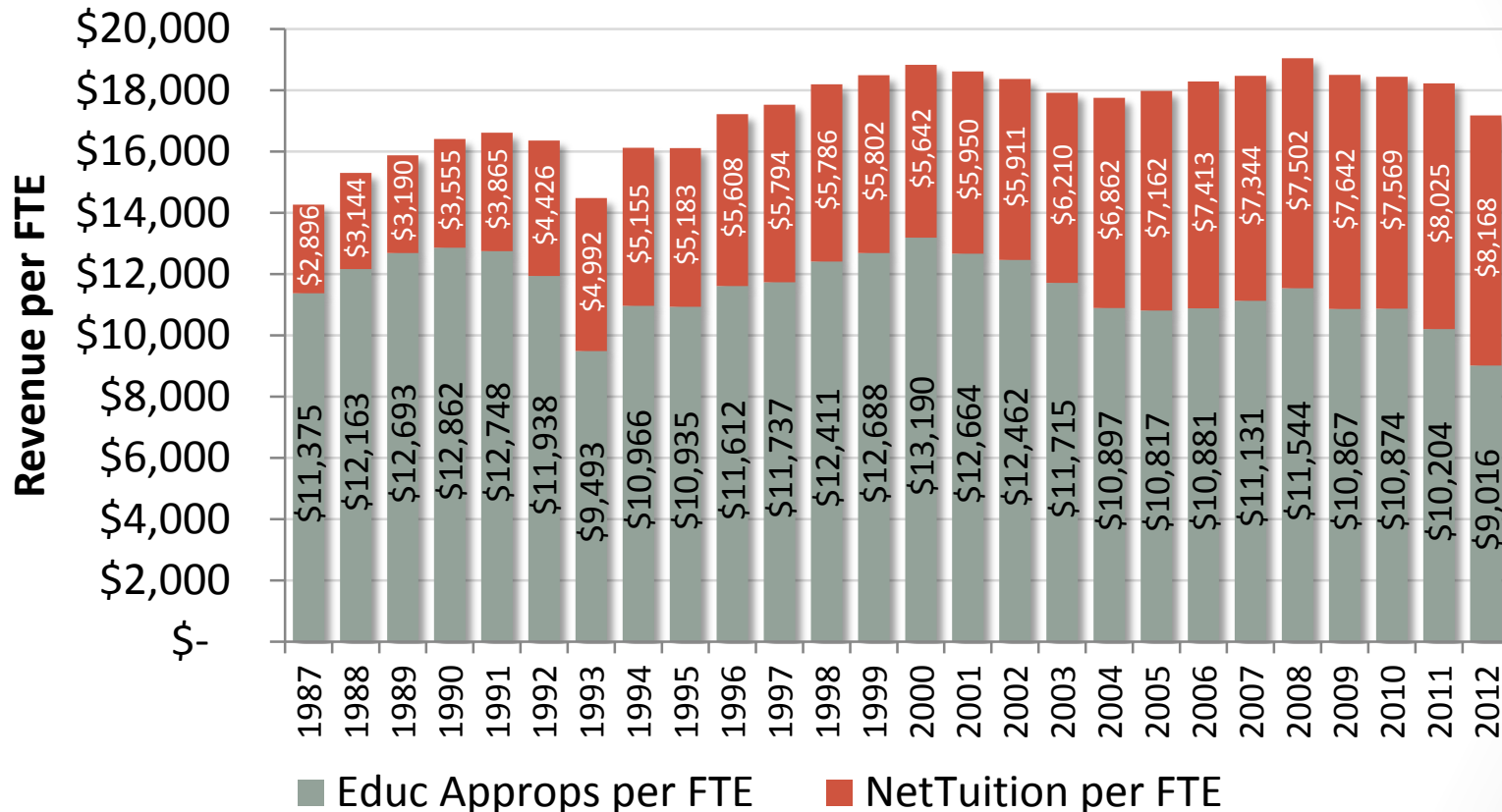


State Appropriations & Tuition Revenue per FTE, United States, Constant Dollars



Source: SHEEO, State Higher Education Finance Report, FY12.
 Inflation adjusted by Higher Education Cost Index (HECA)

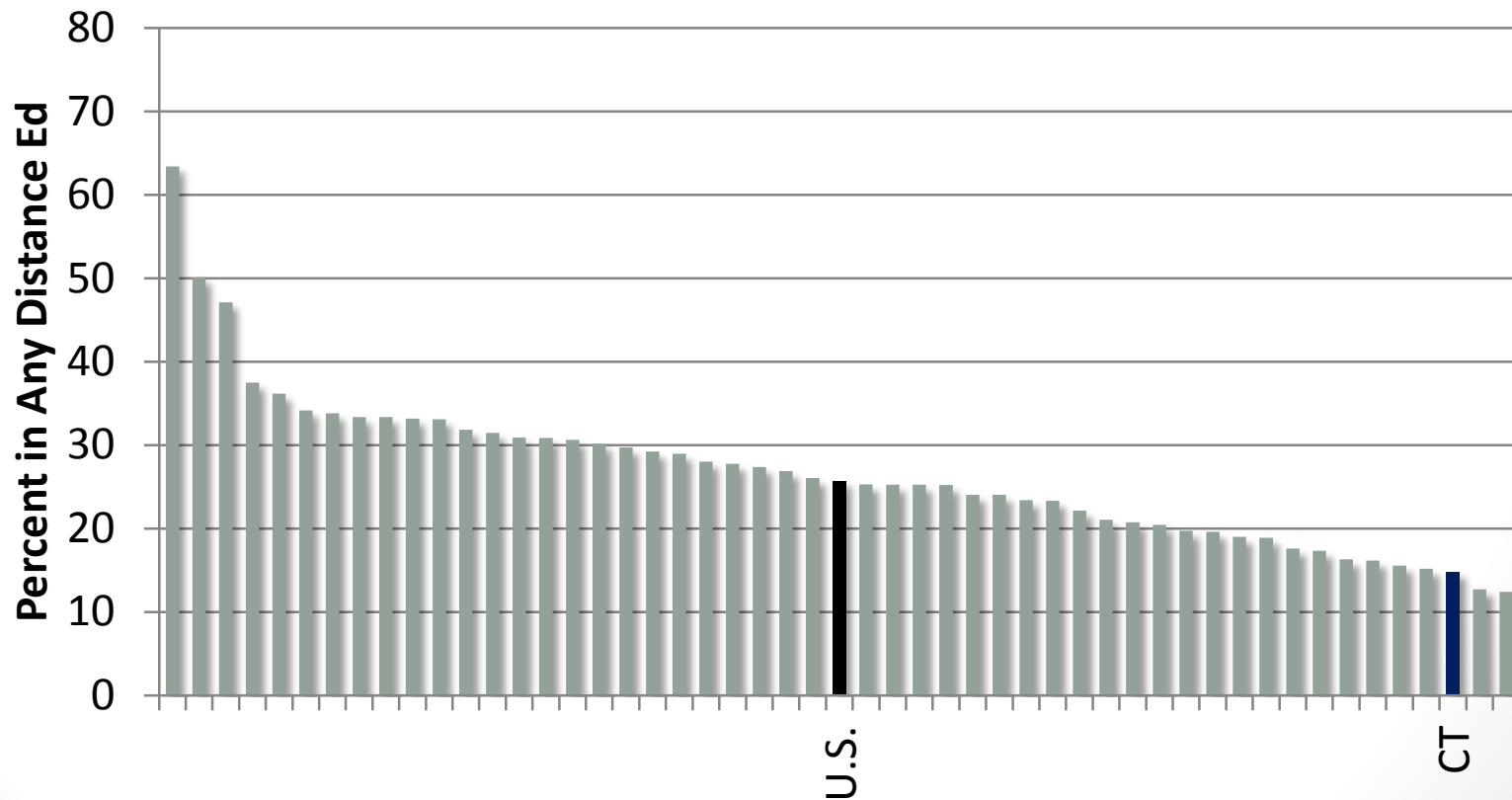
State Appropriations & Tuition Revenue per FTE, Connecticut, Constant Dollars



Source: SHEEO, State Higher Education Finance Report, FY12.
 Inflation adjusted by Higher Education Cost Adjustment (HECA)

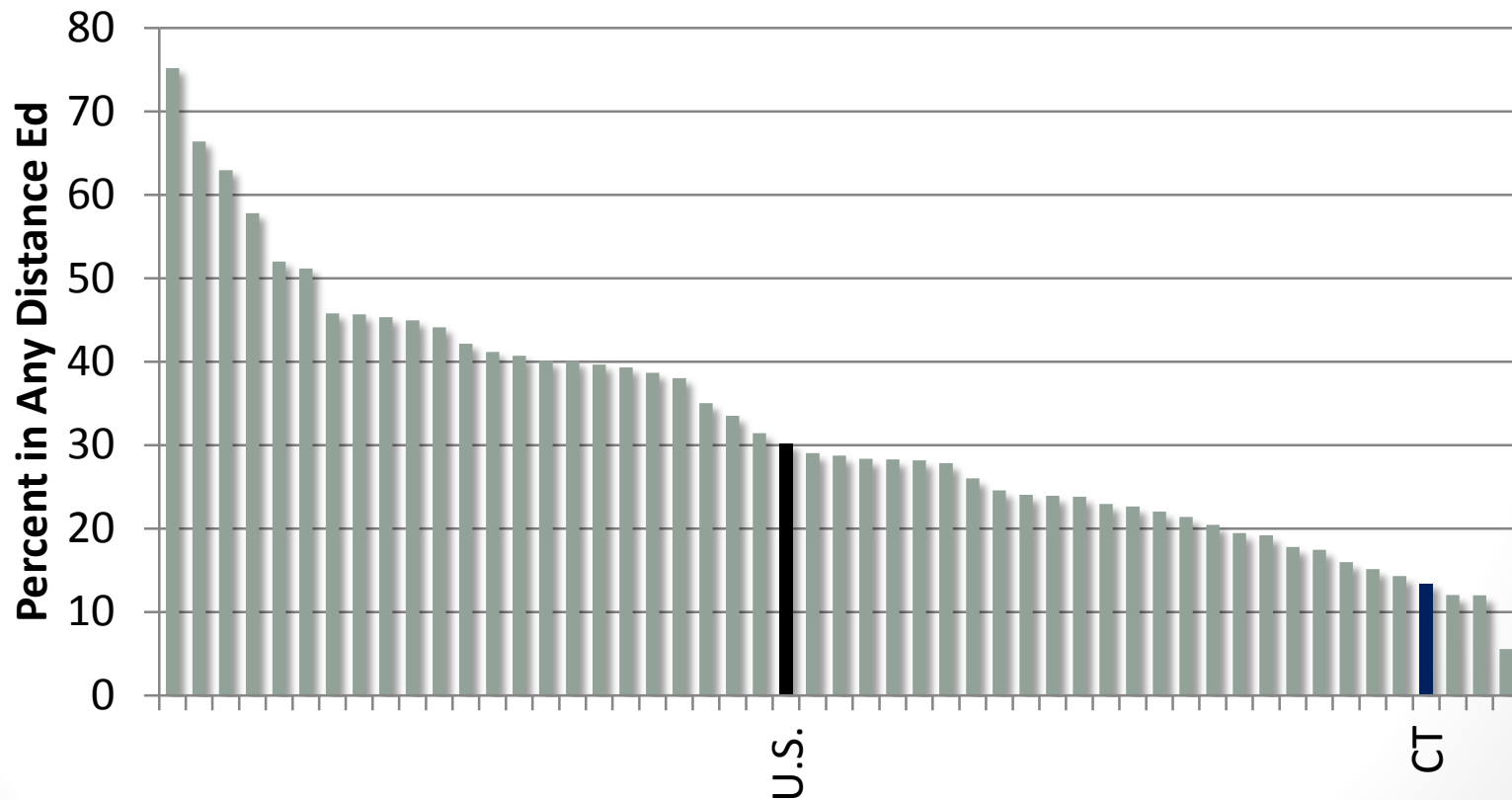
Distance Learning

PRELIMINARY State Estimates of Undergraduates Enrolled in Any Distance Education (Fall 2012)



Distance Learning

PRELIMINARY State Estimates of Graduate Students Enrolled in Any Distance Education (Fall 2012)



Closing Observations

- Fewer 18-24 year olds →
 - Increased competition
 - Shift to serving older students
 - Downward pressure on revenues
- Historical patterns of success will not meet attainment goals (Obama Administration, Lumina)
- Contextual Opportunities
 - College Readiness
 - Student Success
 - Affordability / sustainable financing model
 - Innovative models for learning & teaching
 - Equity in outcomes