

Connecticut Data: Implications for Higher Education

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(August 13, 2013)



STATE OF CONNECTICUT
BOARD OF REGENTS
FOR HIGHER EDUCATION

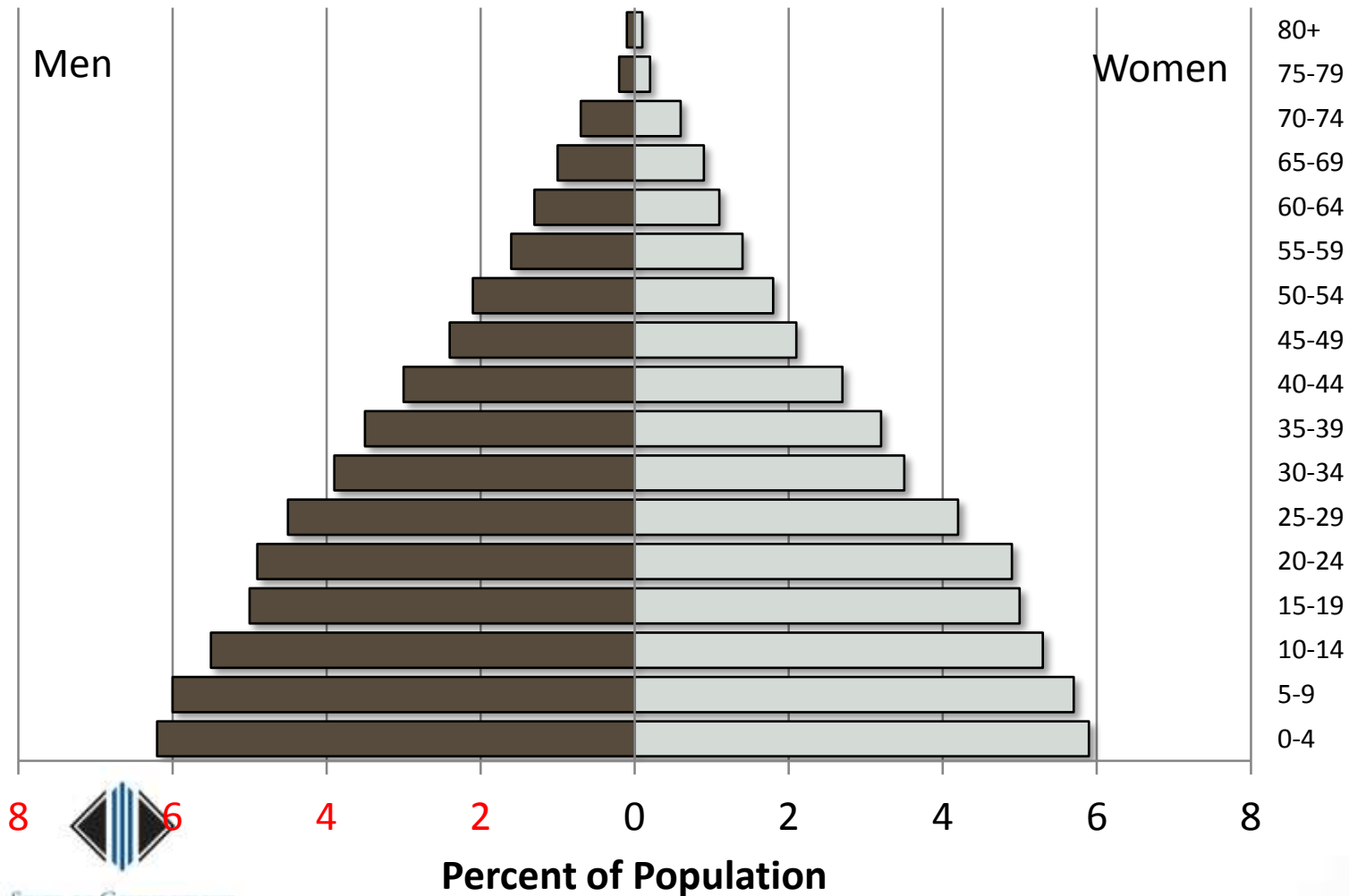
Overview

- 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



8



6

4

2

0

2

4

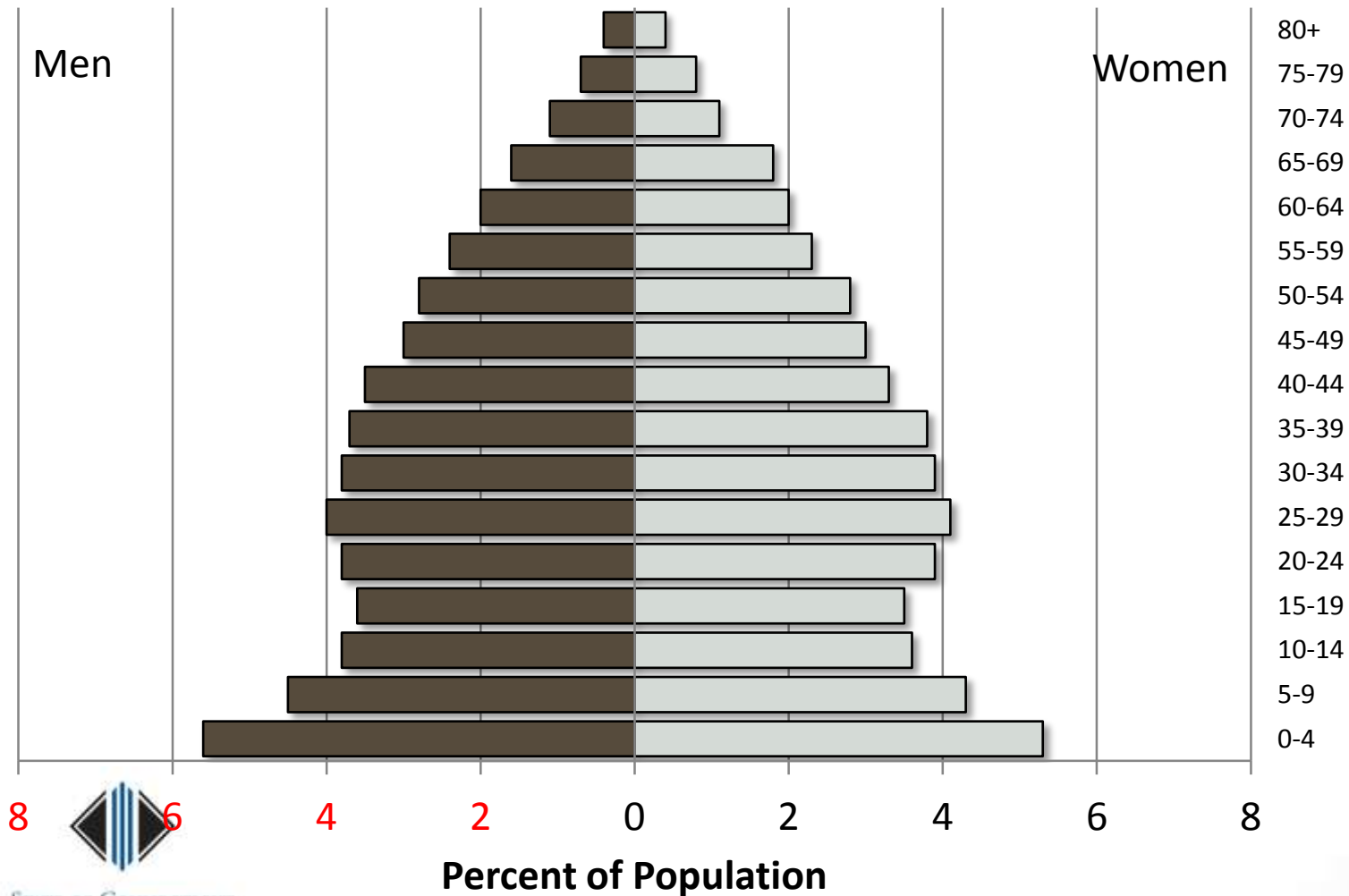
6

8

Percent of Population

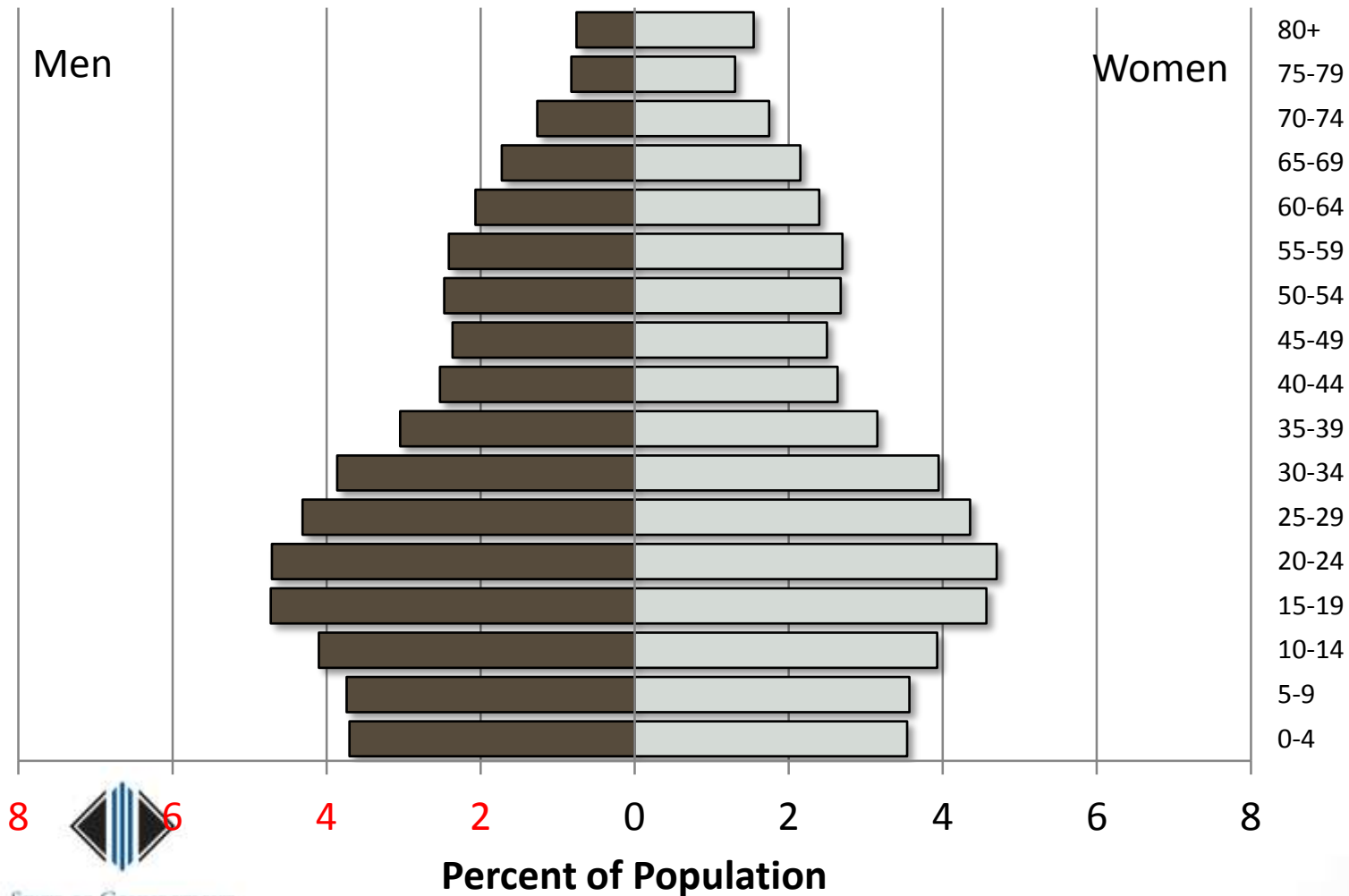
Population Change – United States

US Population By Age and Sex, 1950



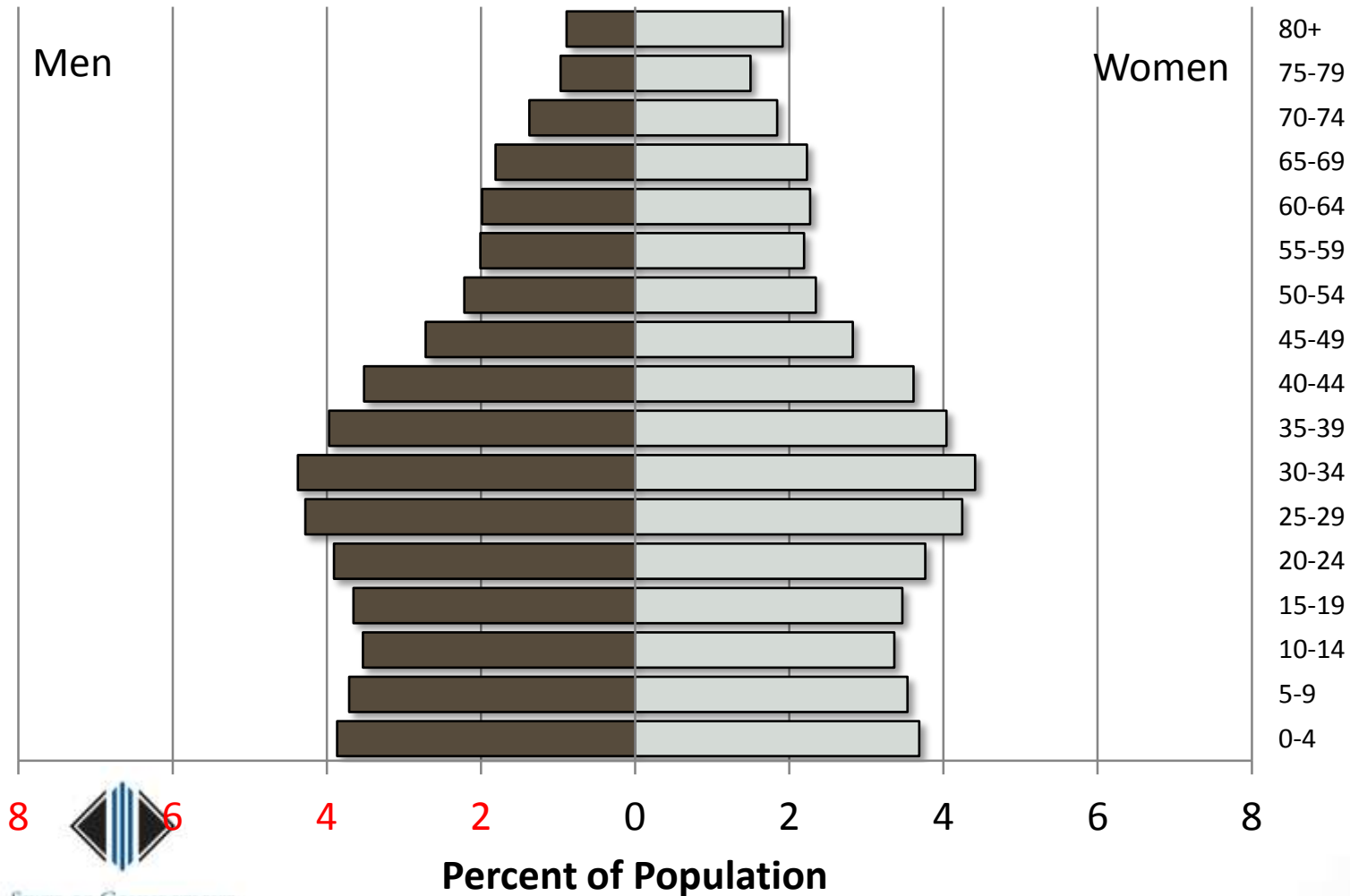
Population Change – United States

US Population By Age and Sex, 1980



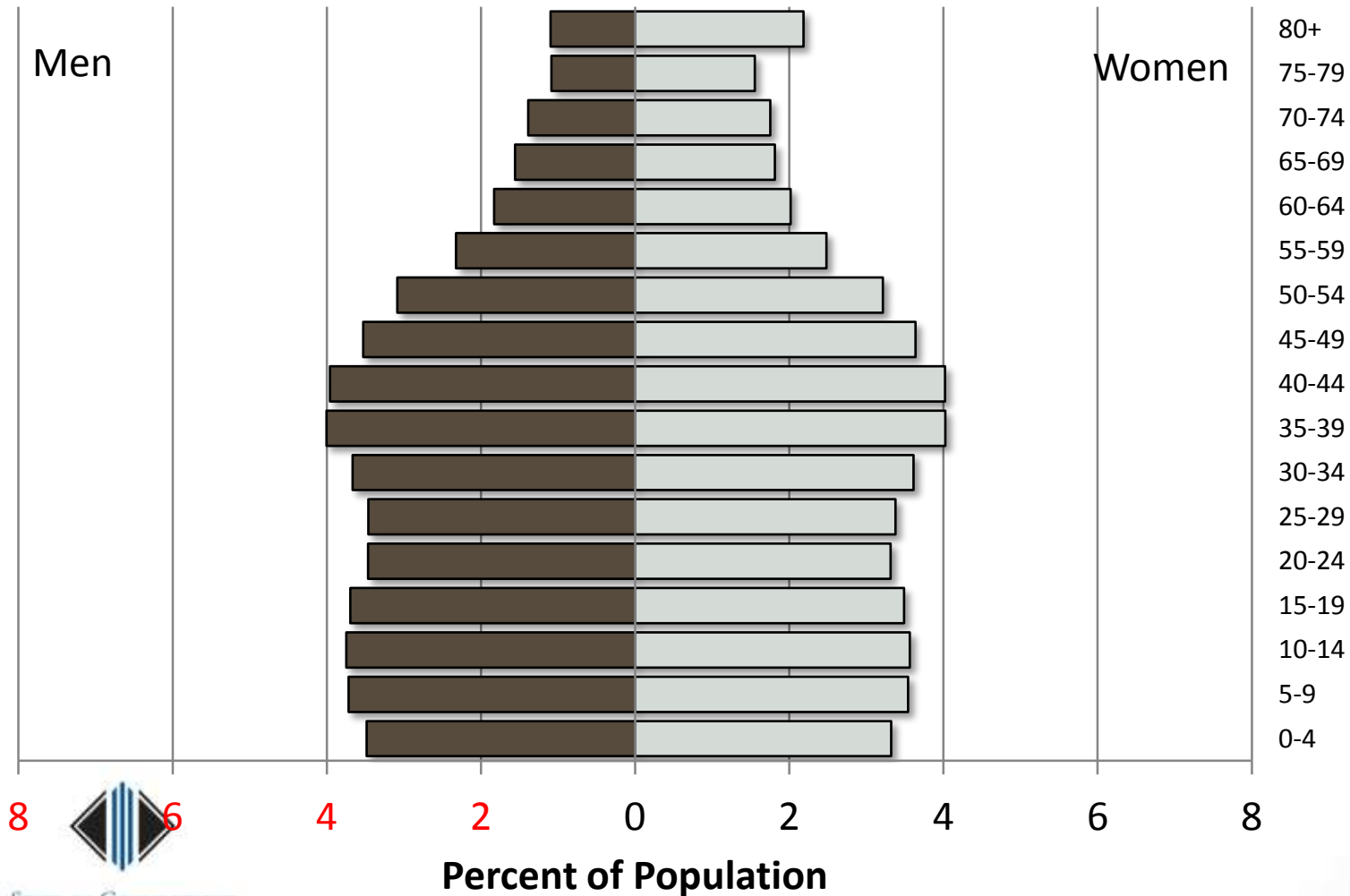
Population Change – United States

US Population By Age and Sex, 1990



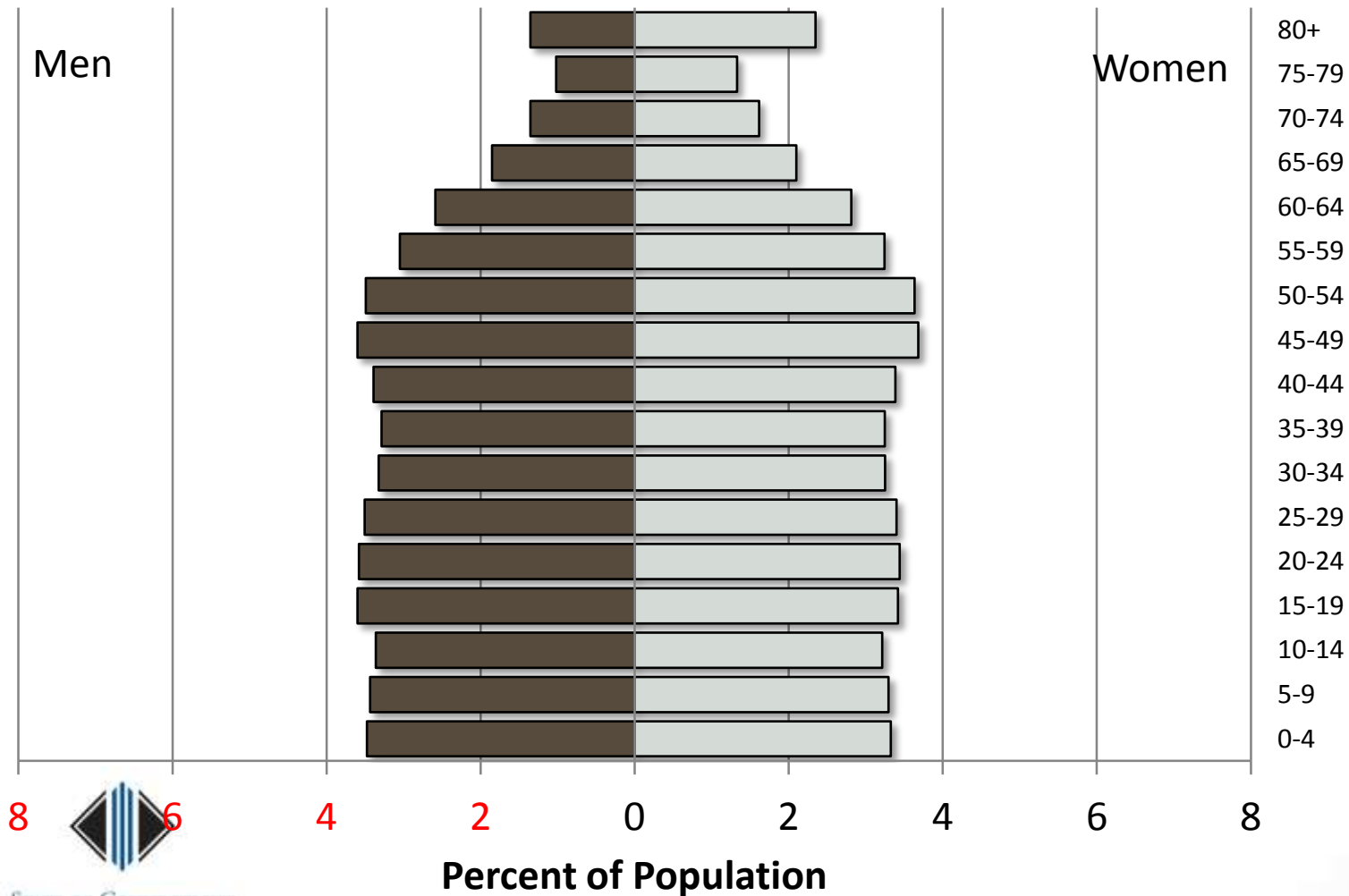
Population Change – United States

US Population By Age and Sex, 2000



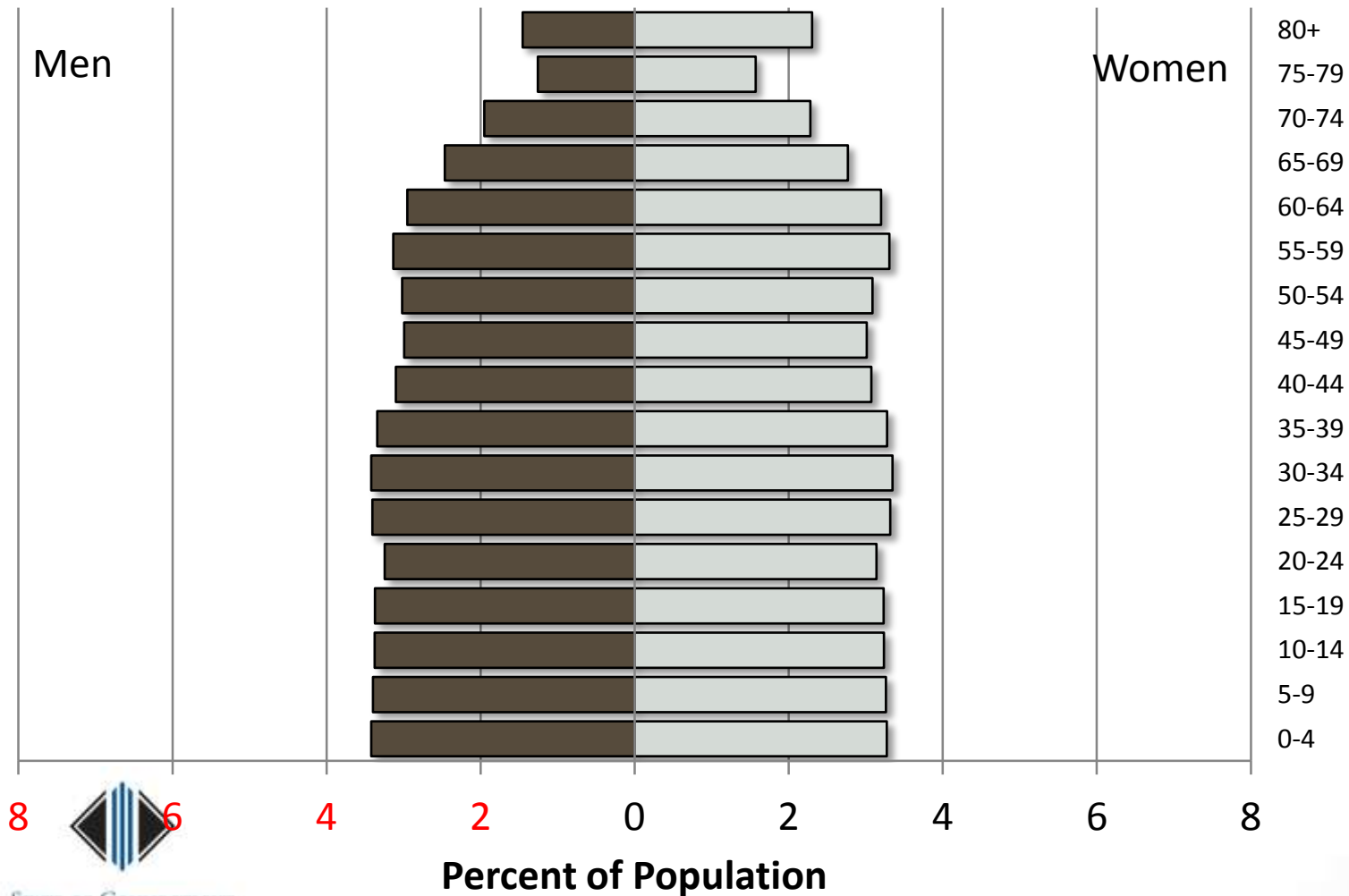
Population Change – United States

US Population By Age and Sex, 2010



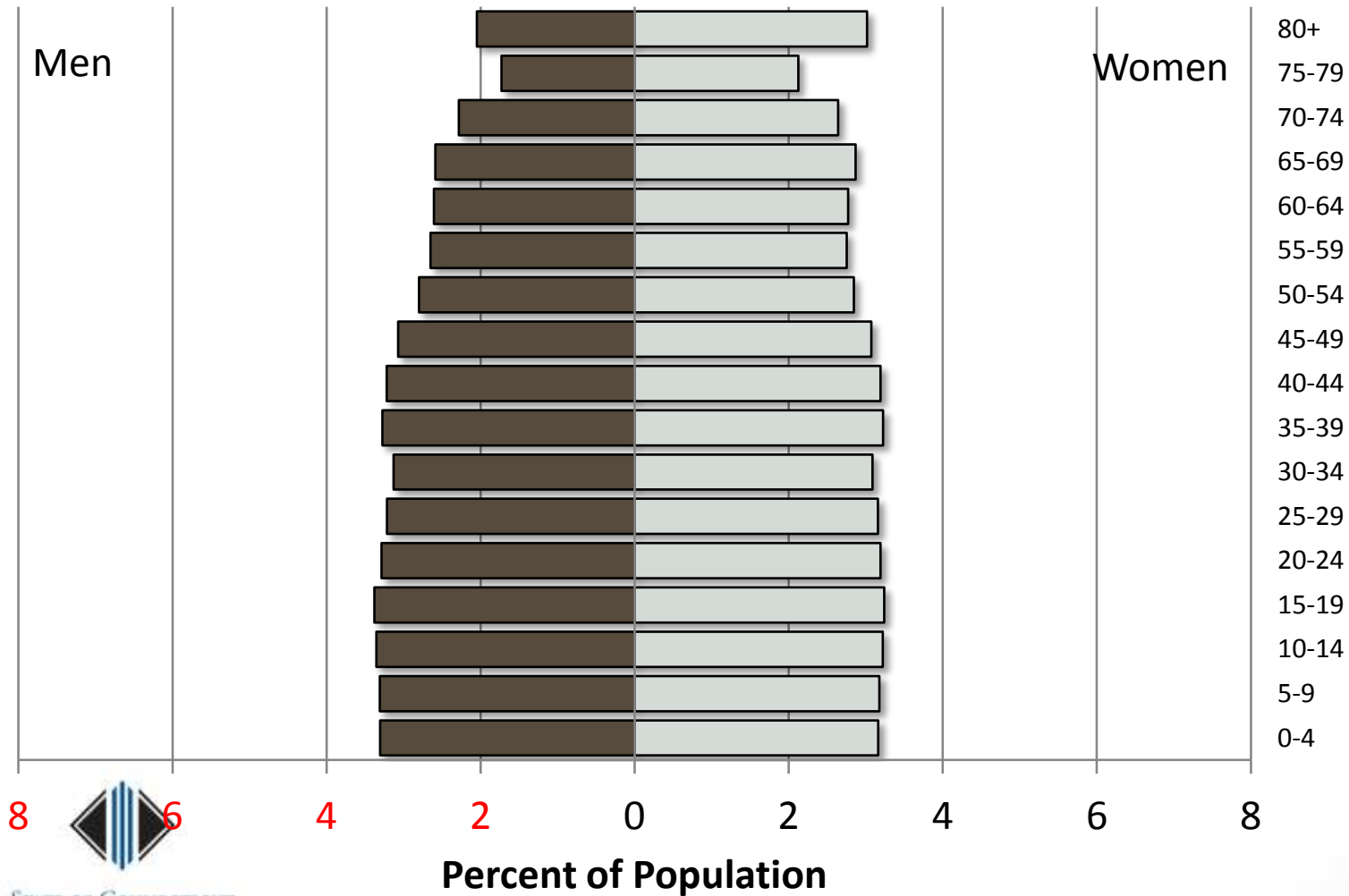
Population Change – United States

US Population By Age and Sex, 2020



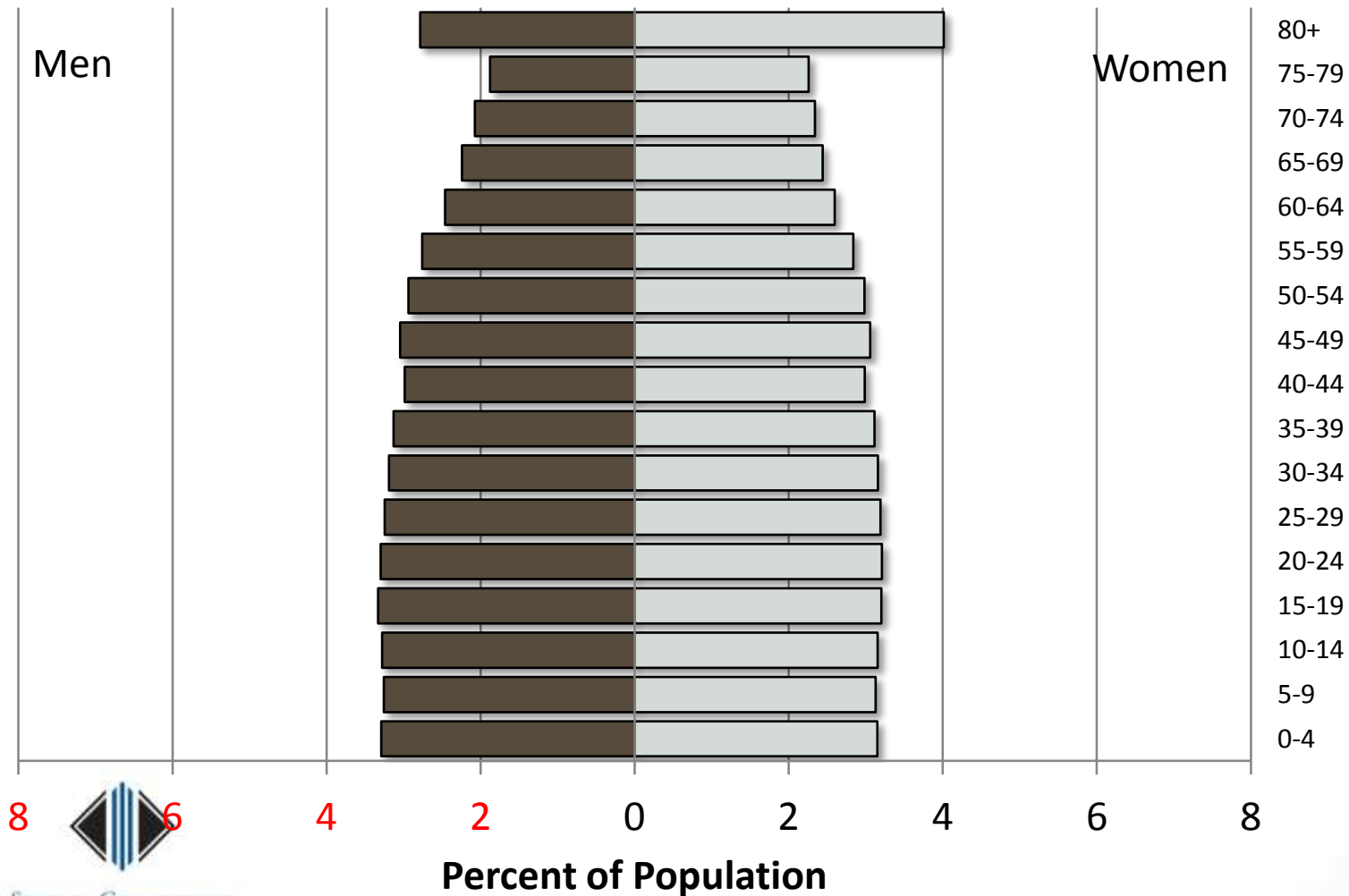
Population Change – United States

US Population By Age and Sex, 2030



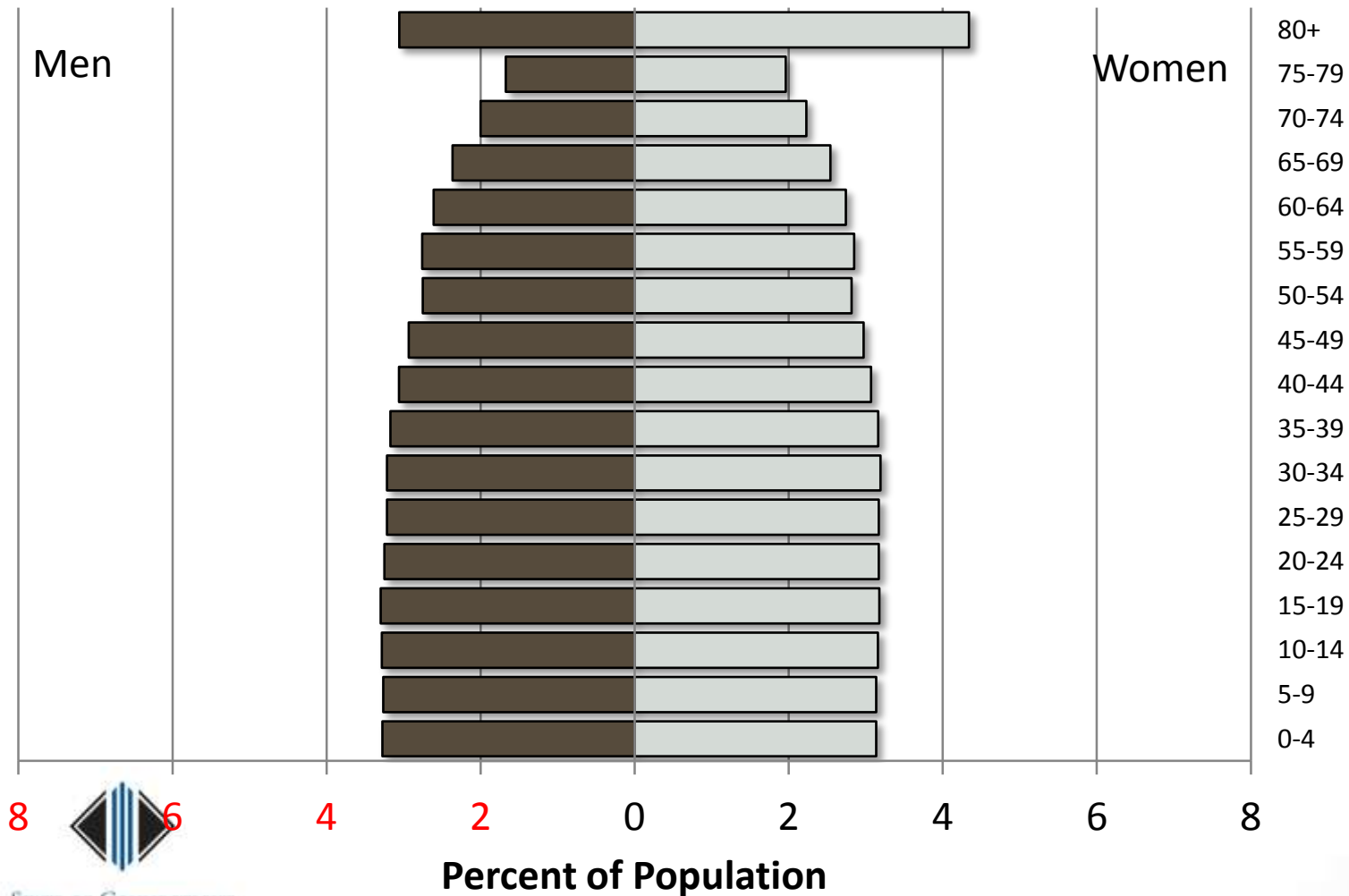
Population Change – United States

US Population By Age and Sex, 2040



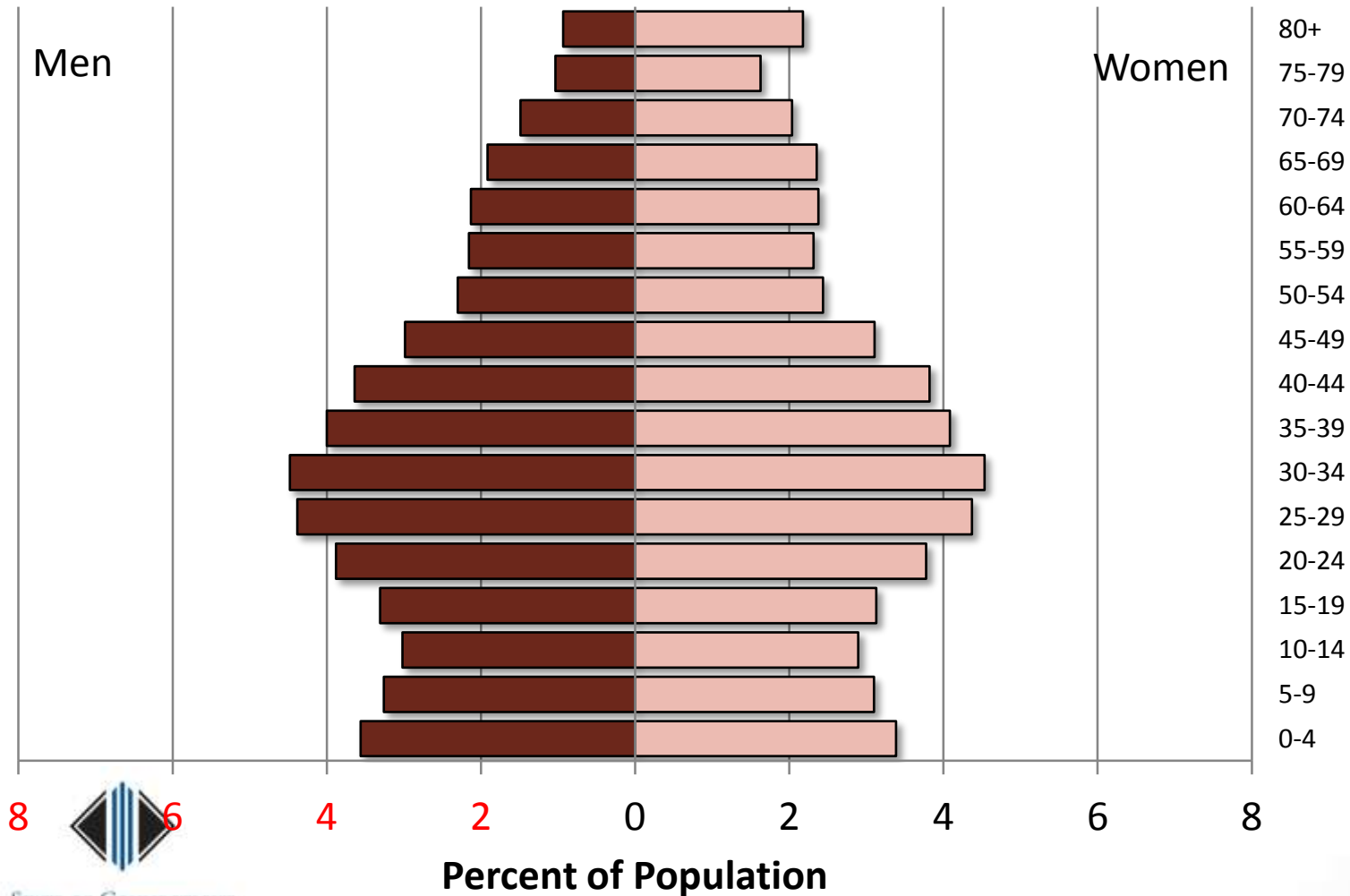
Population Change – United States

US Population By Age and Sex, 2050



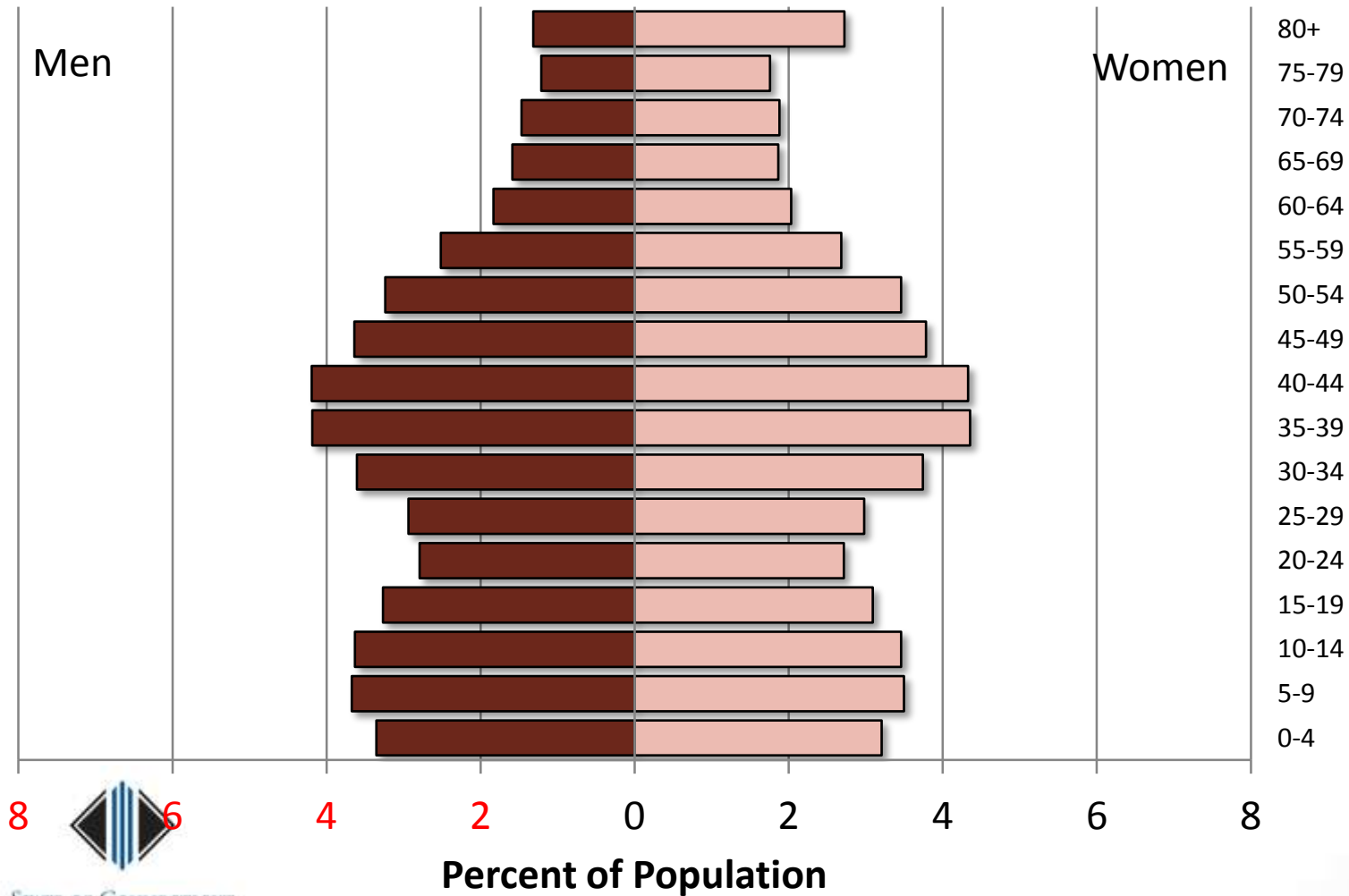
Population Change – Connecticut

Connecticut Population By Age and Sex, 1990



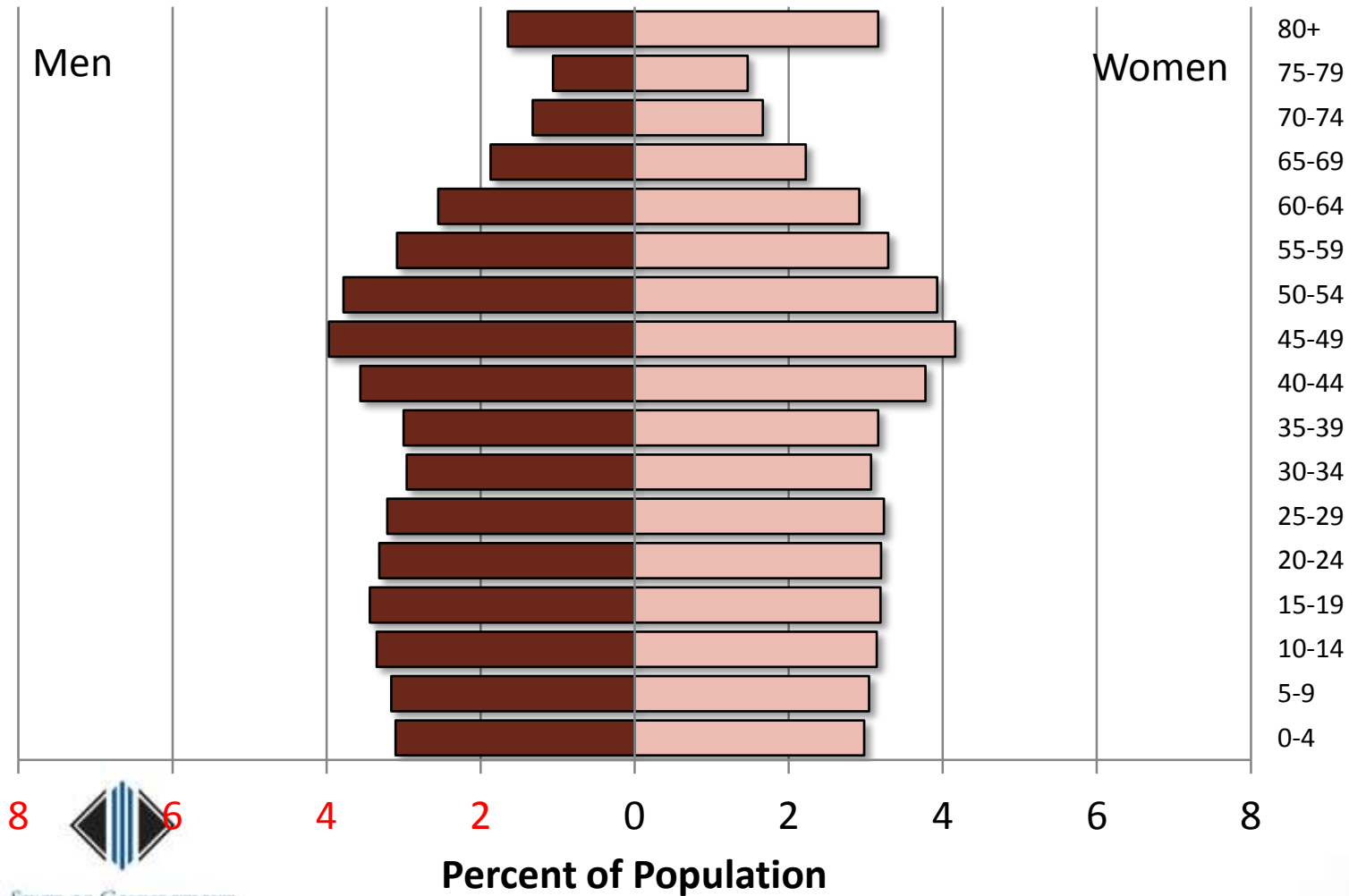
Population Change – Connecticut

Connecticut Population By Age and Sex, 2000



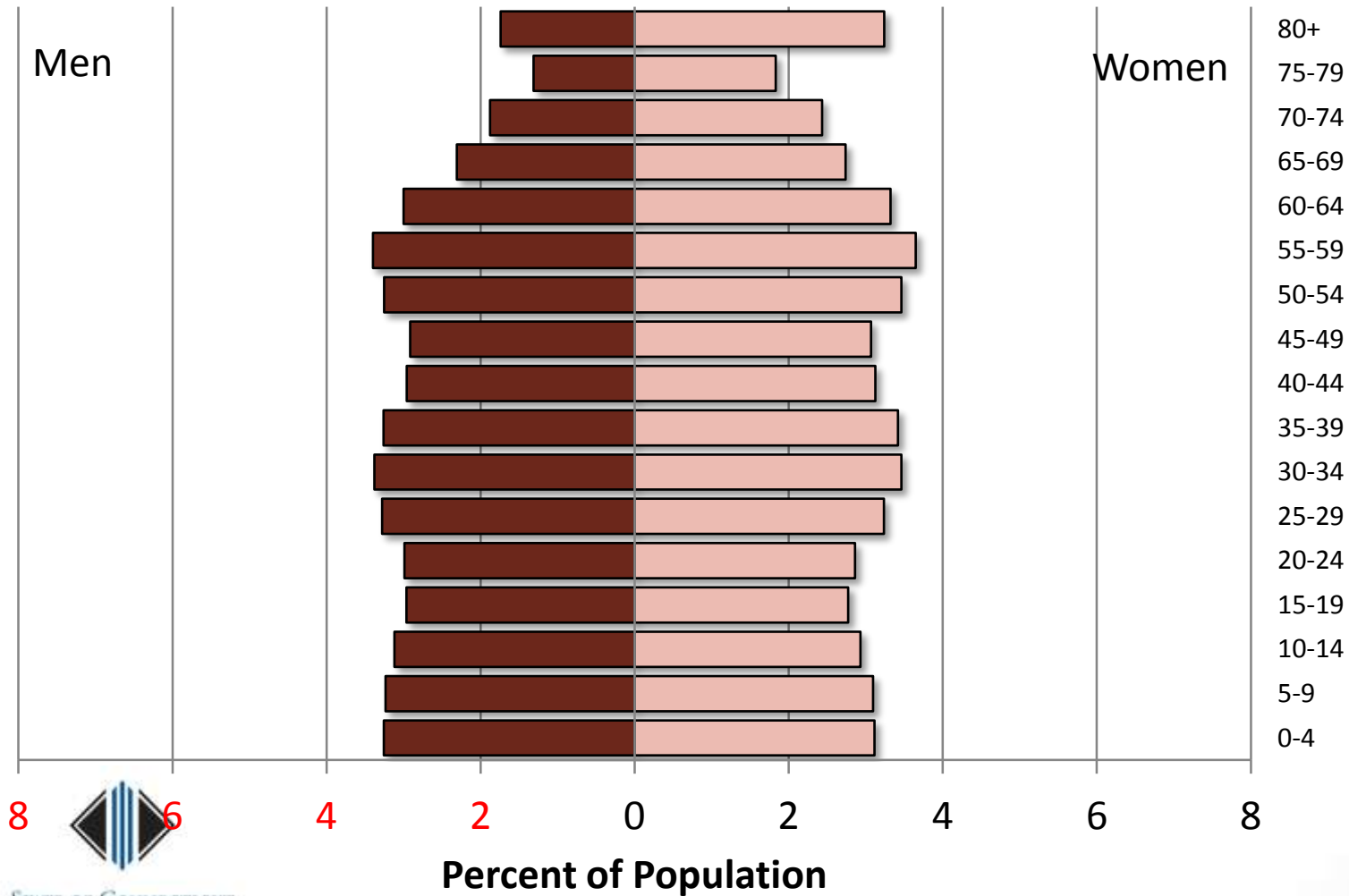
Population Change – Connecticut

Connecticut Population By Age and Sex, 2010



Population Change – Connecticut

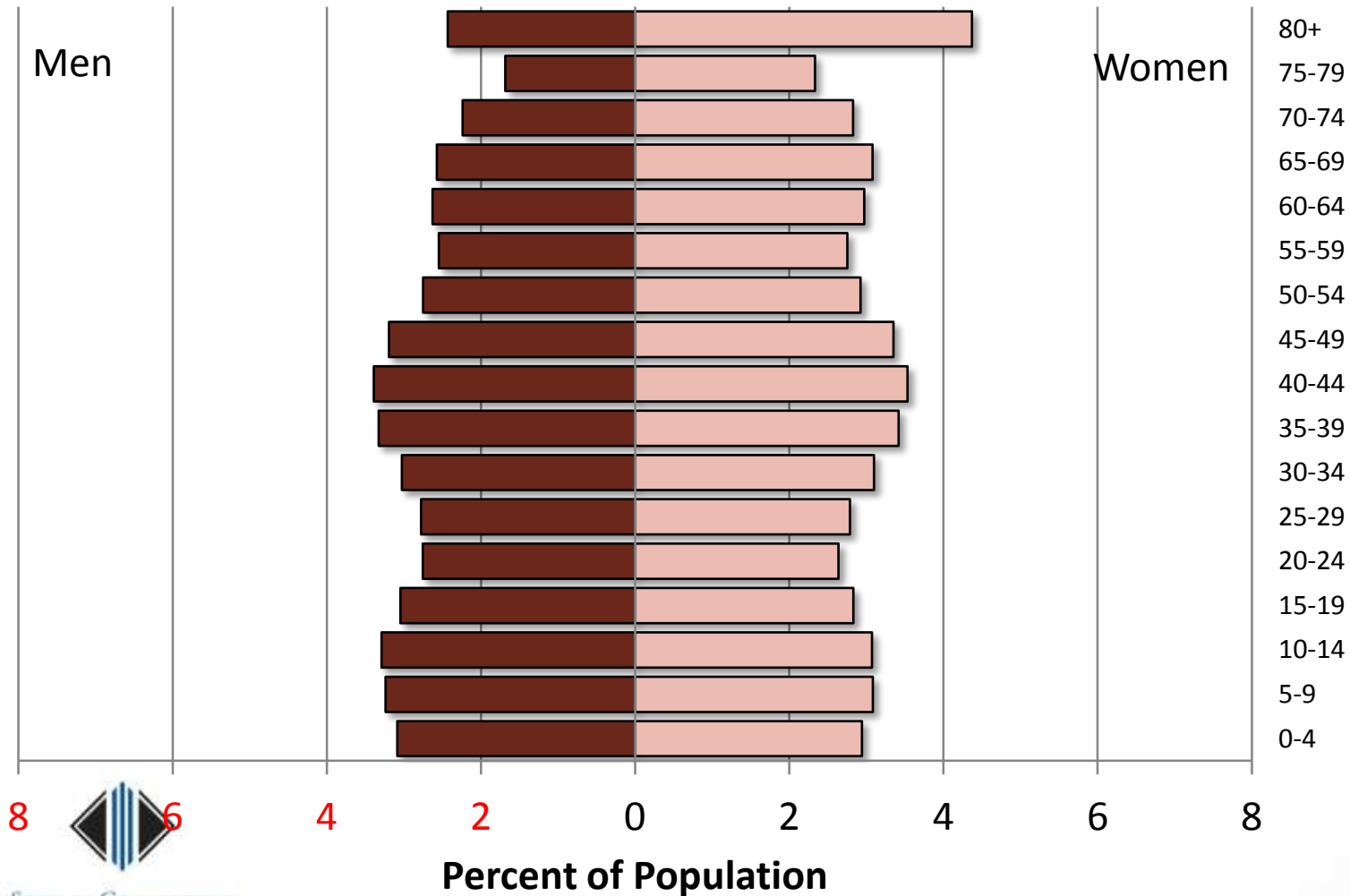
Connecticut Population By Age and Sex, 2020



Percent of Population

Population Change – Connecticut

Connecticut Population By Age and Sex, 2030



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 |



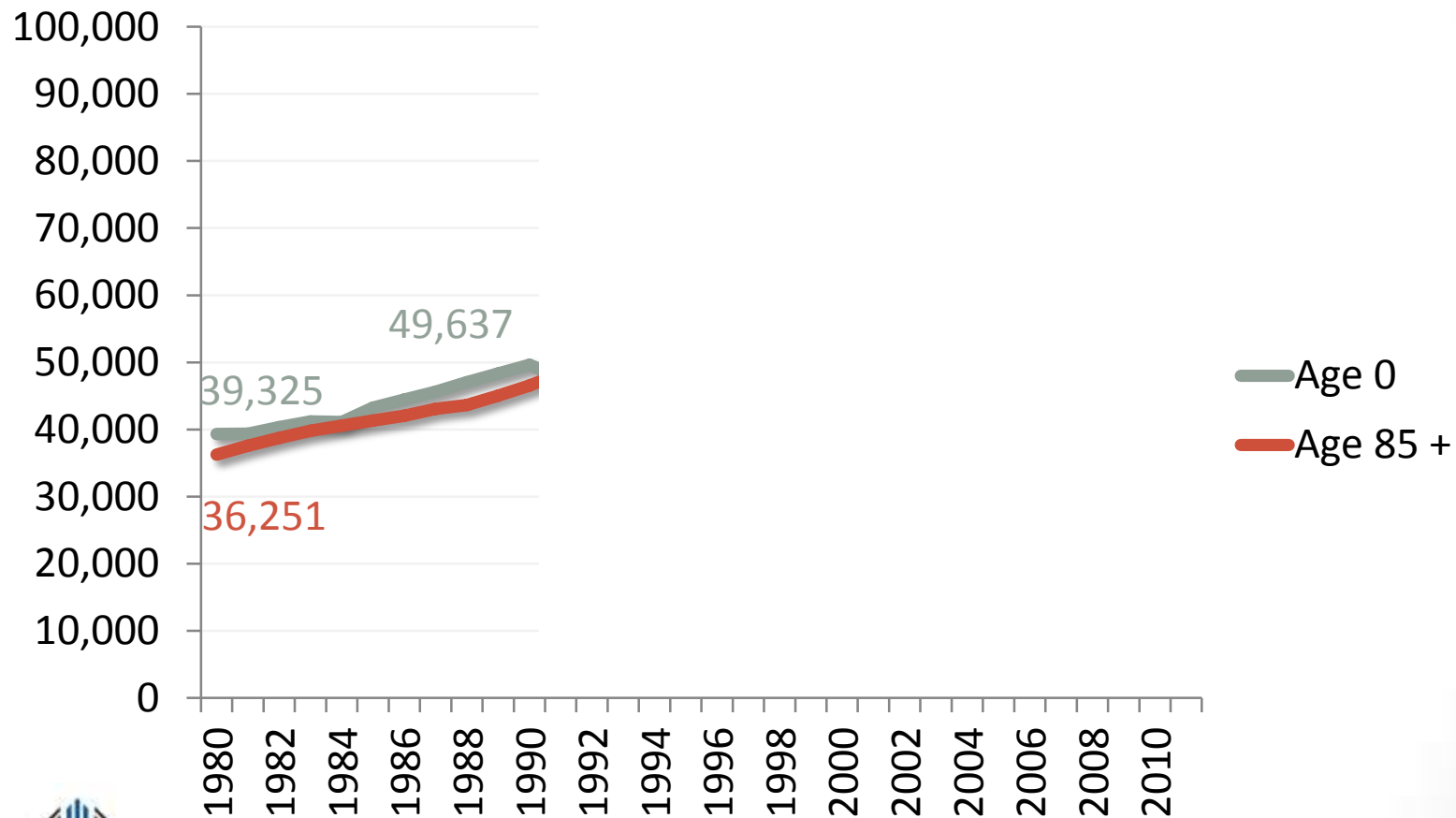
Connecticut Population Change

| | 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 |



Connecticut Population

Age 0 and Age 85+ from 1990 to 2011



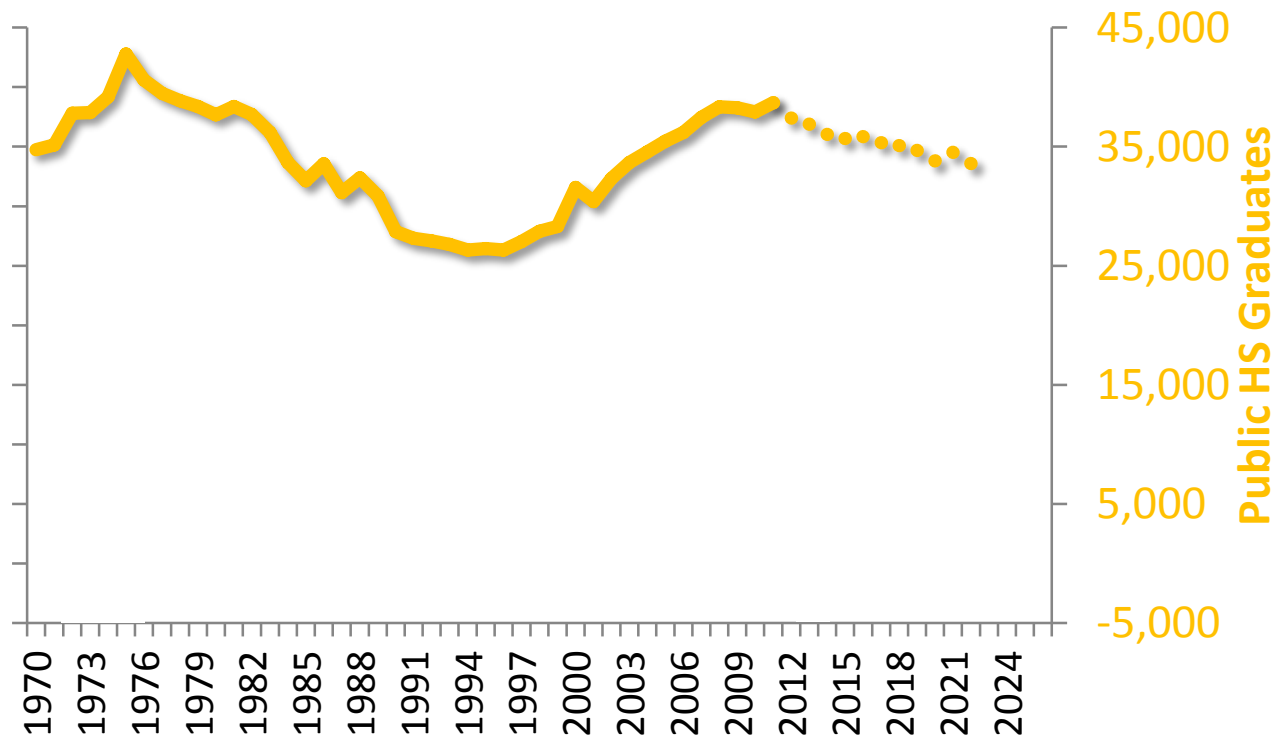
Source: U.S. Census, Intercensal estimates, 1980-89, 1990-1999, 2000-2010, 2011

Implications of Population Change

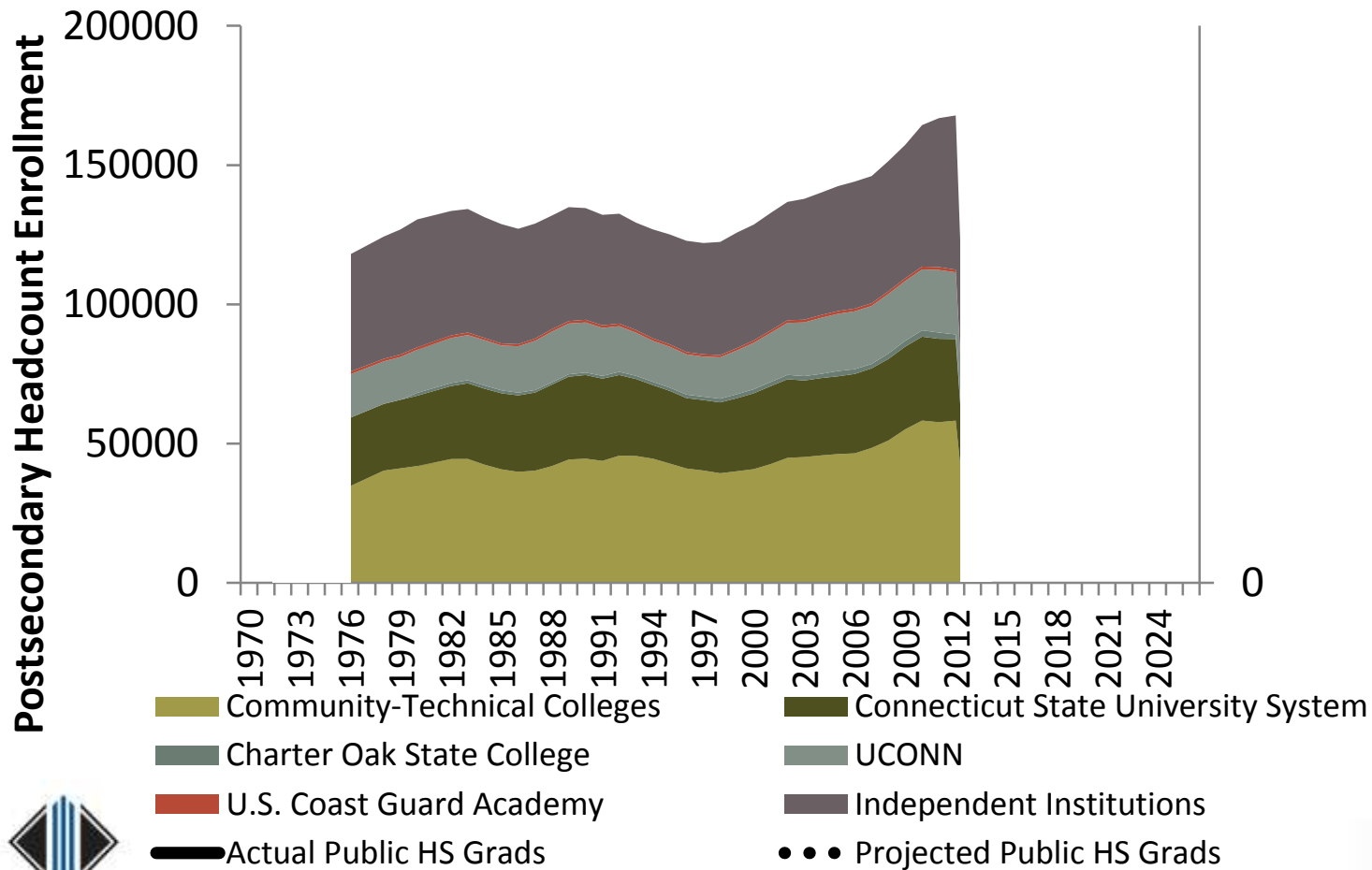
- Shift in budget priorities from education to health care
- Shift in mission of higher education to provide continuing education throughout the lifespan



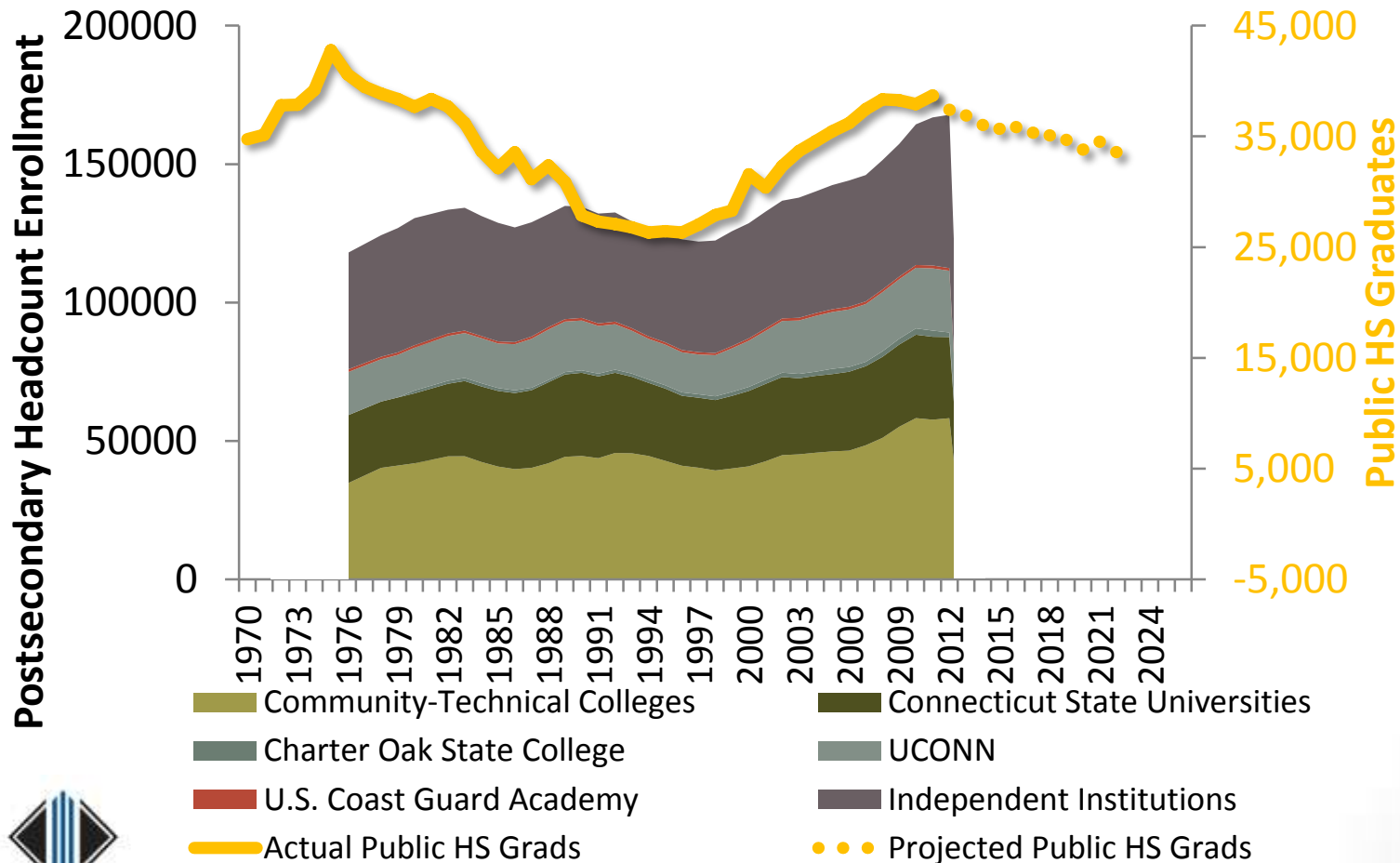
CT Public High School Graduates 1970-2023



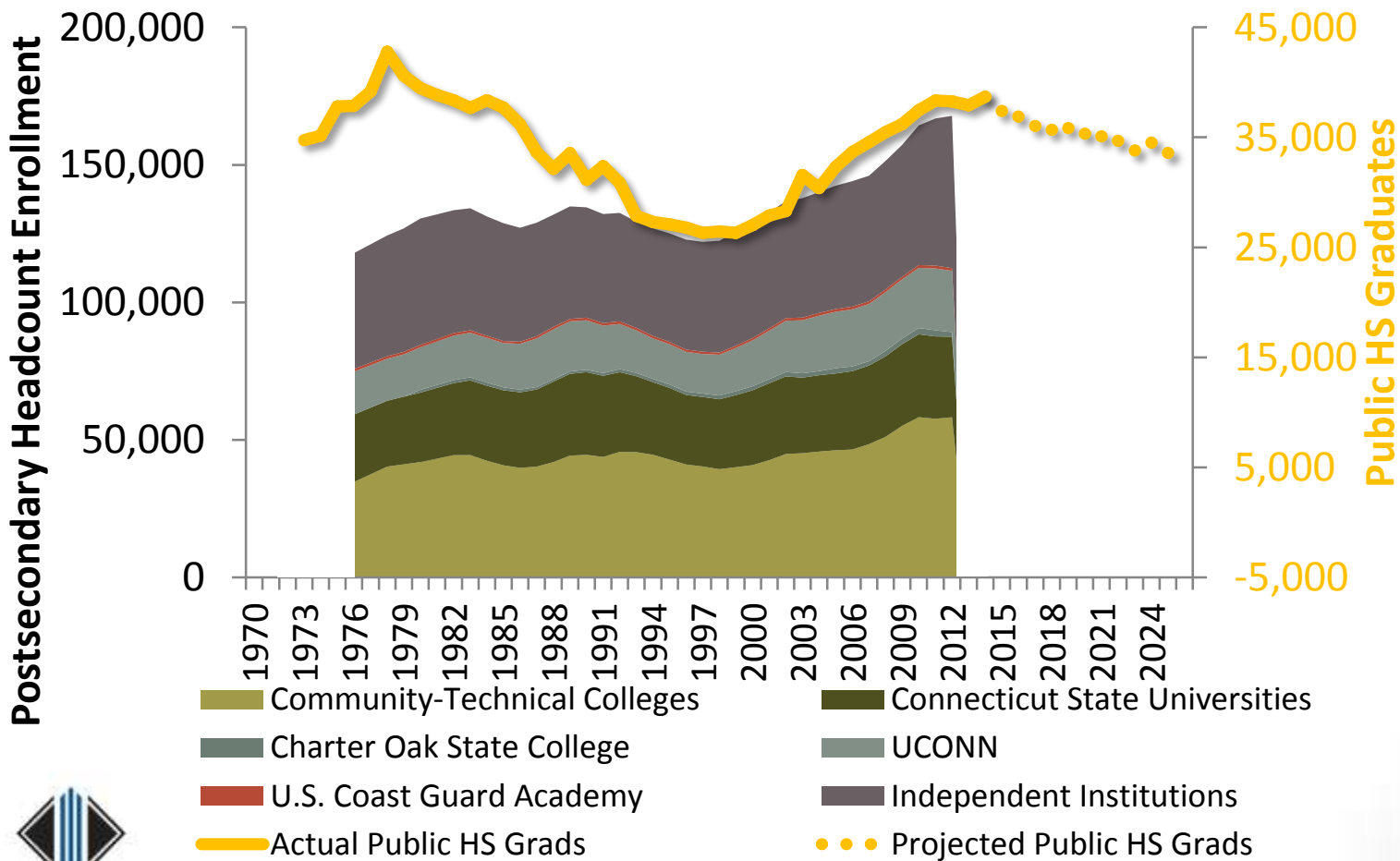
CT Undergraduate Fall Headcount



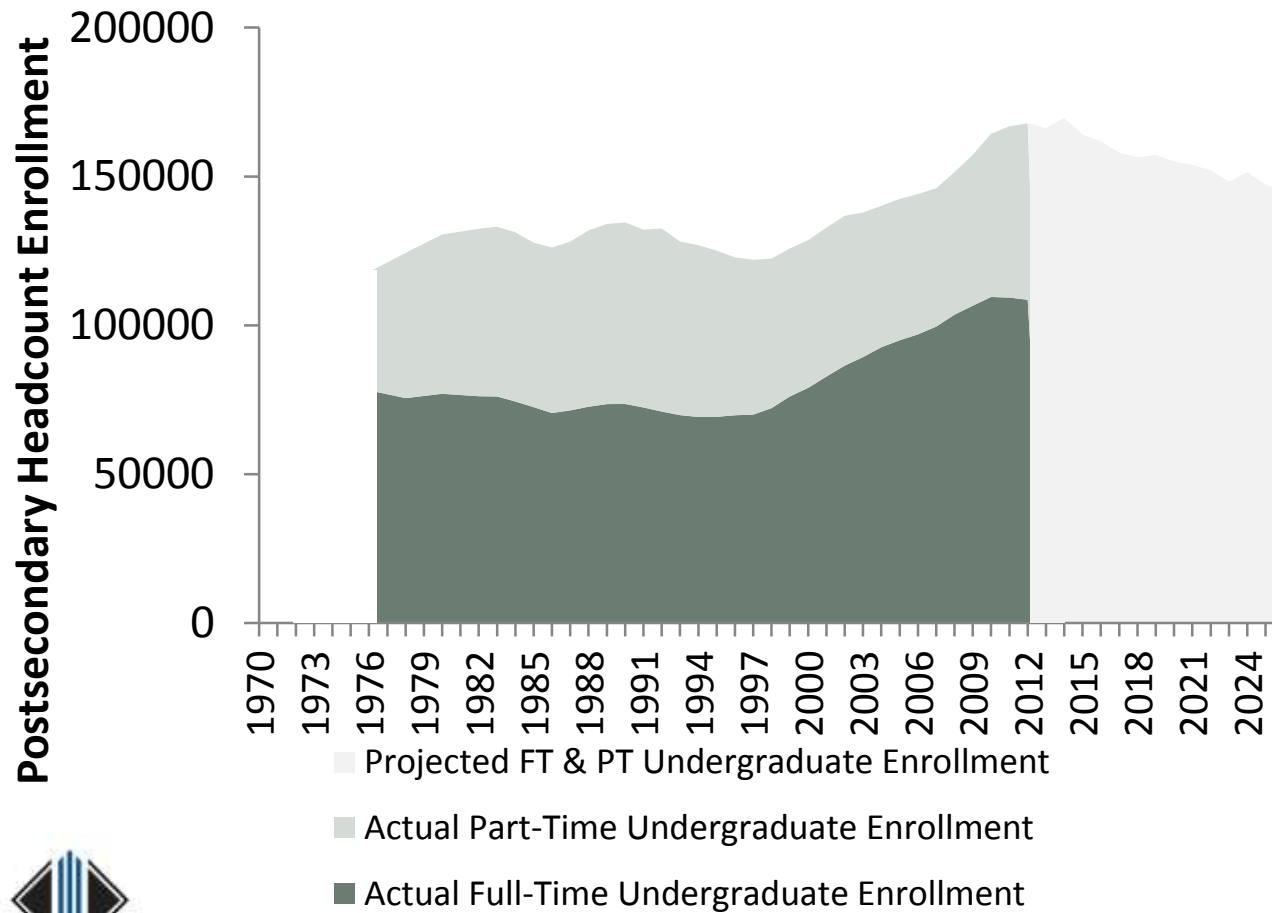
CT Undergraduate Fall Headcount Enrollment & HS Graduates



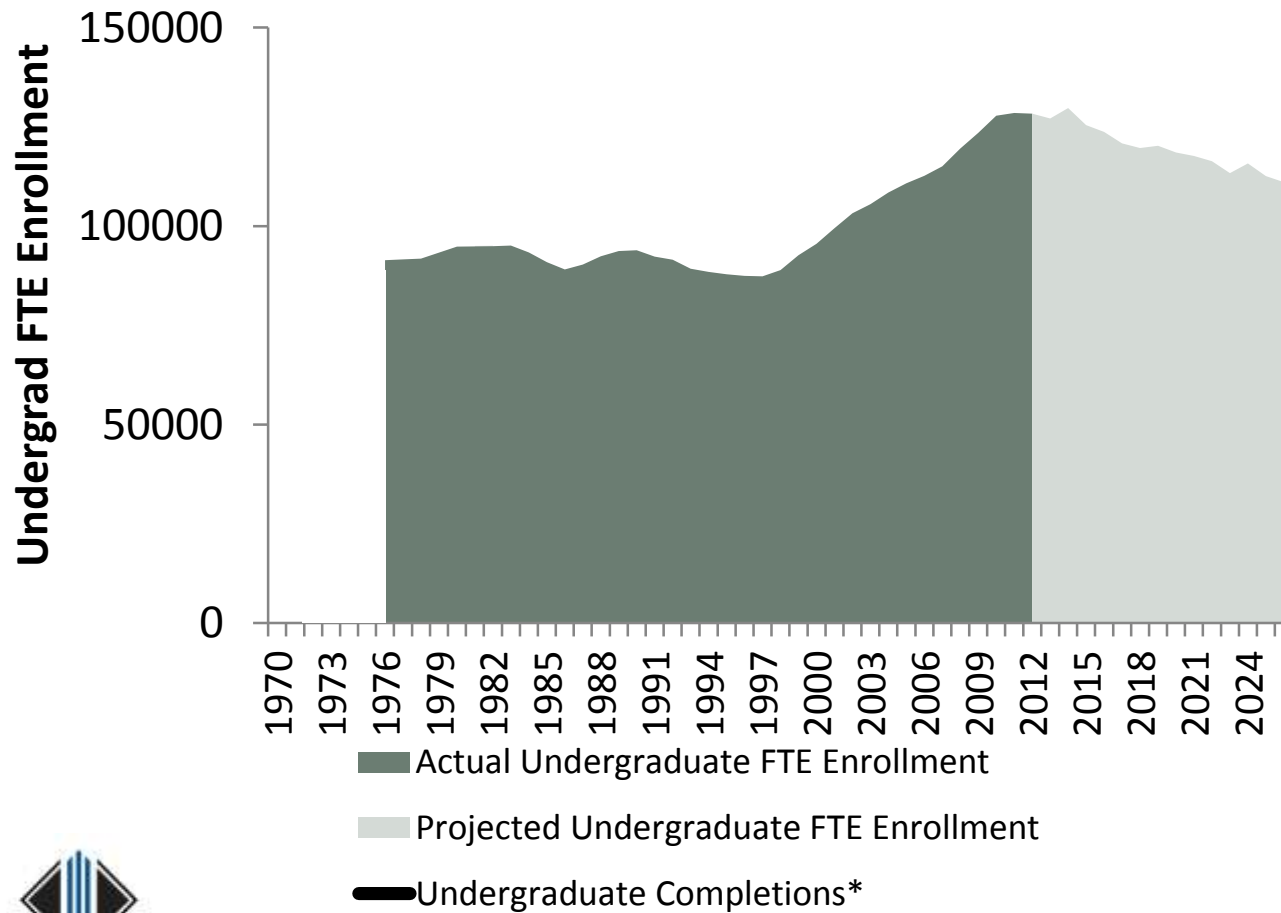
CT Undergraduate Fall Headcount Enrollment & HS Graduates (+3 Years)



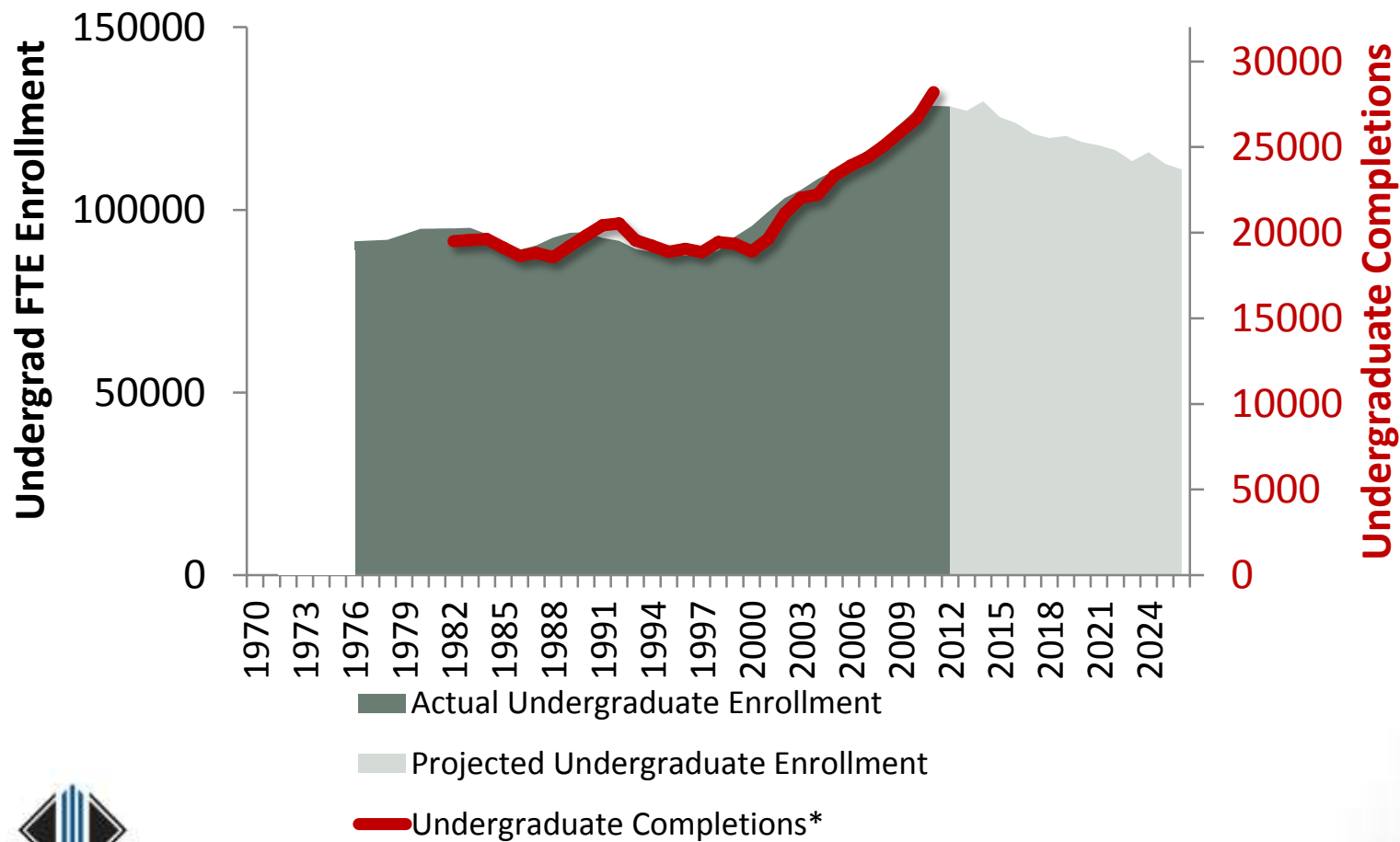
CT Undergraduate Fall Headcount Enrollment (Full-time & Part-time)



CT Undergraduate FTE Enrollment

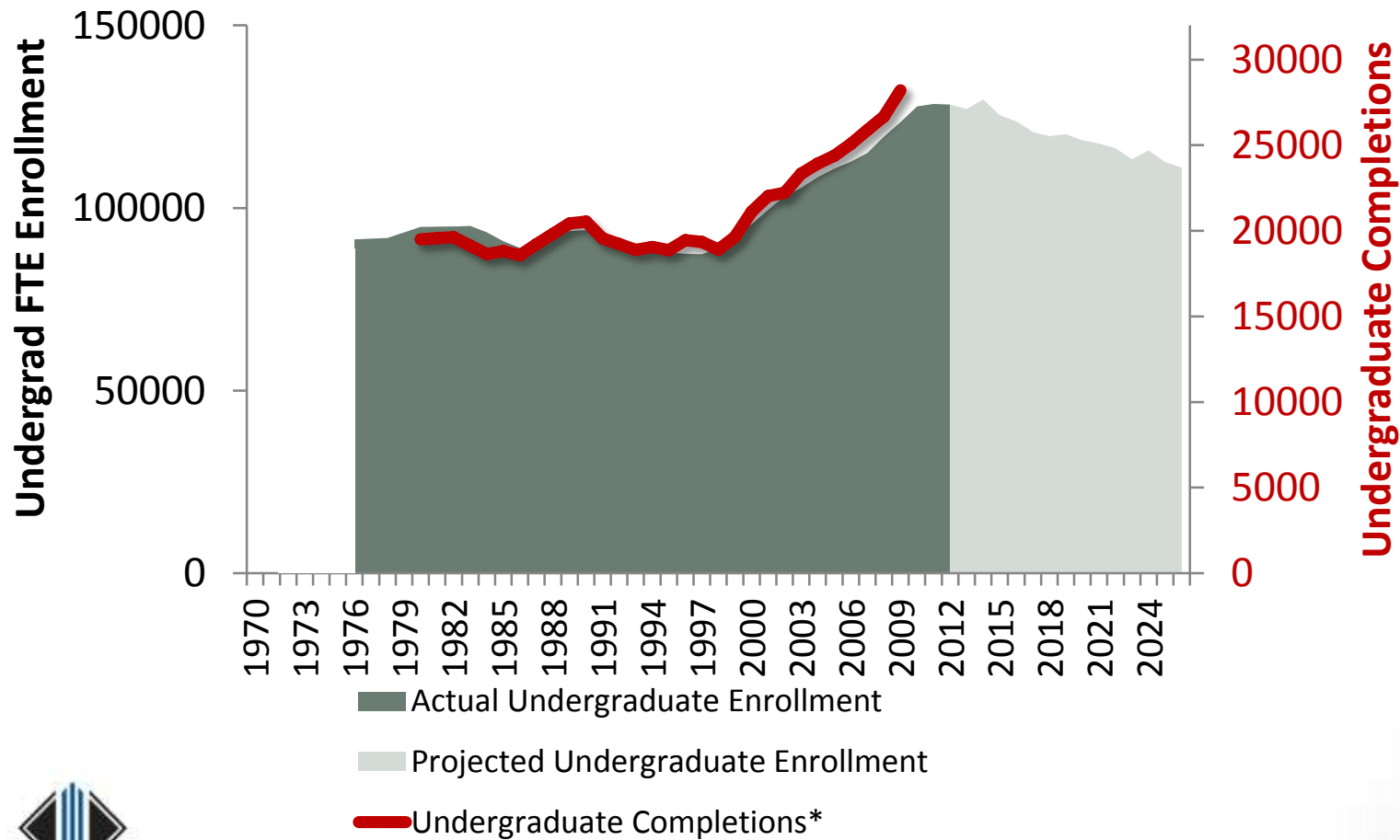


CT Undergraduate FTE Enrollment & Completions



* Undergraduate certificates counted as 1/3 completion

CT Undergraduate FTE Enrollment & Completions (-2 years)



* Undergraduate certificates counted as 1/3 completion

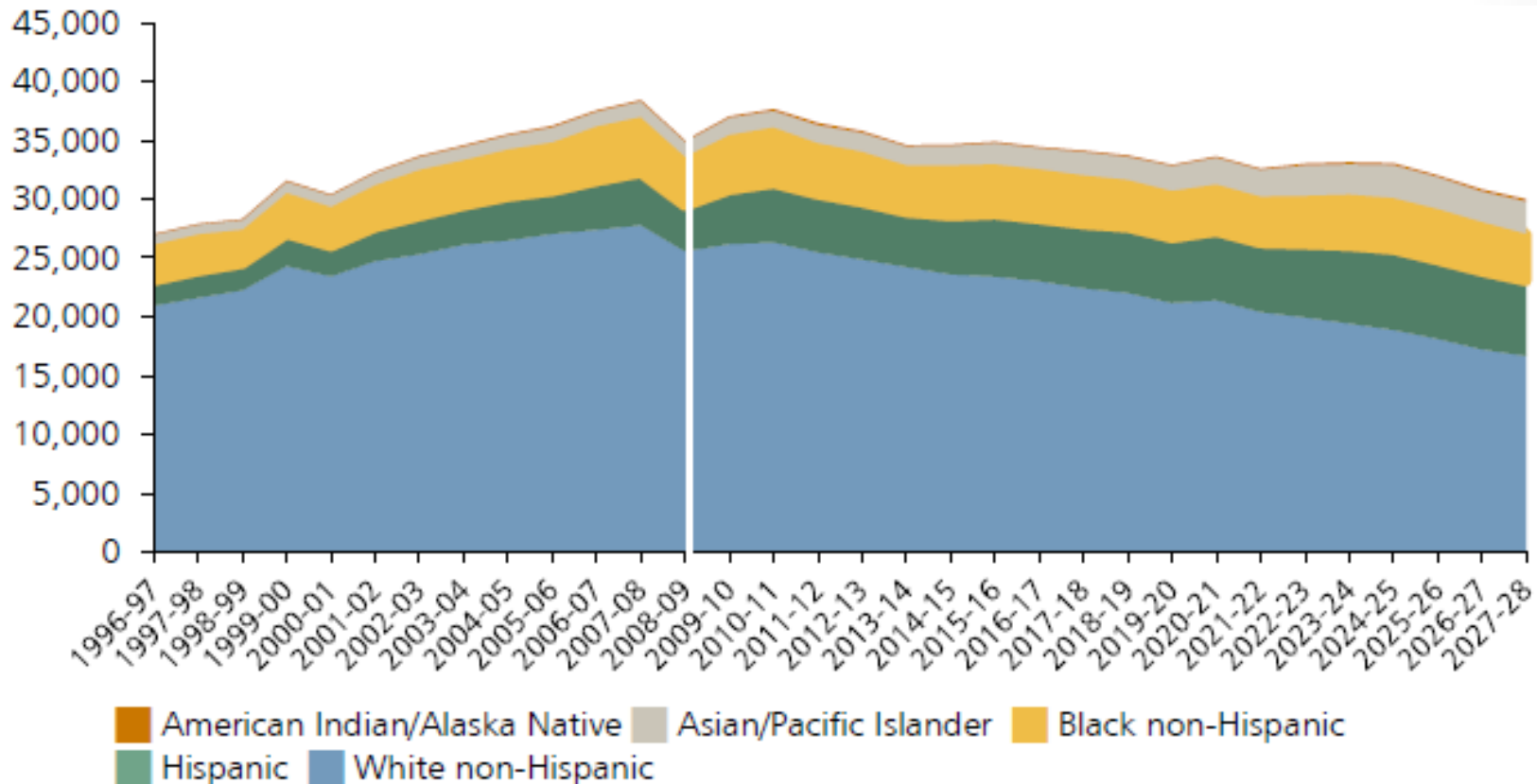
CT Educational Attainment, Ages 25-44

| 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 |



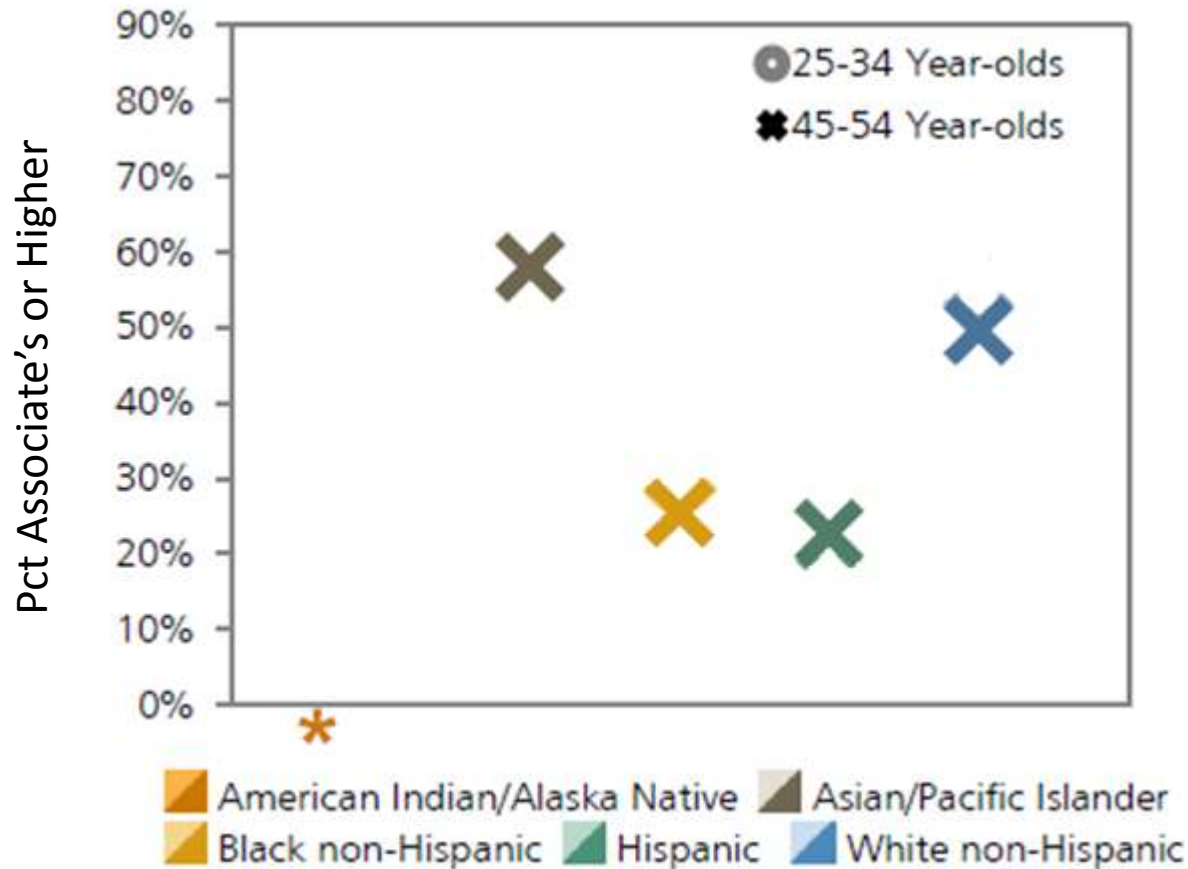
Source: U.S. Census, American Community Survey, 2011, 1-Year Est.

CT High School Graduates by Race/Ethnicity



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

CT Educational Attainment by Race/Ethnicity

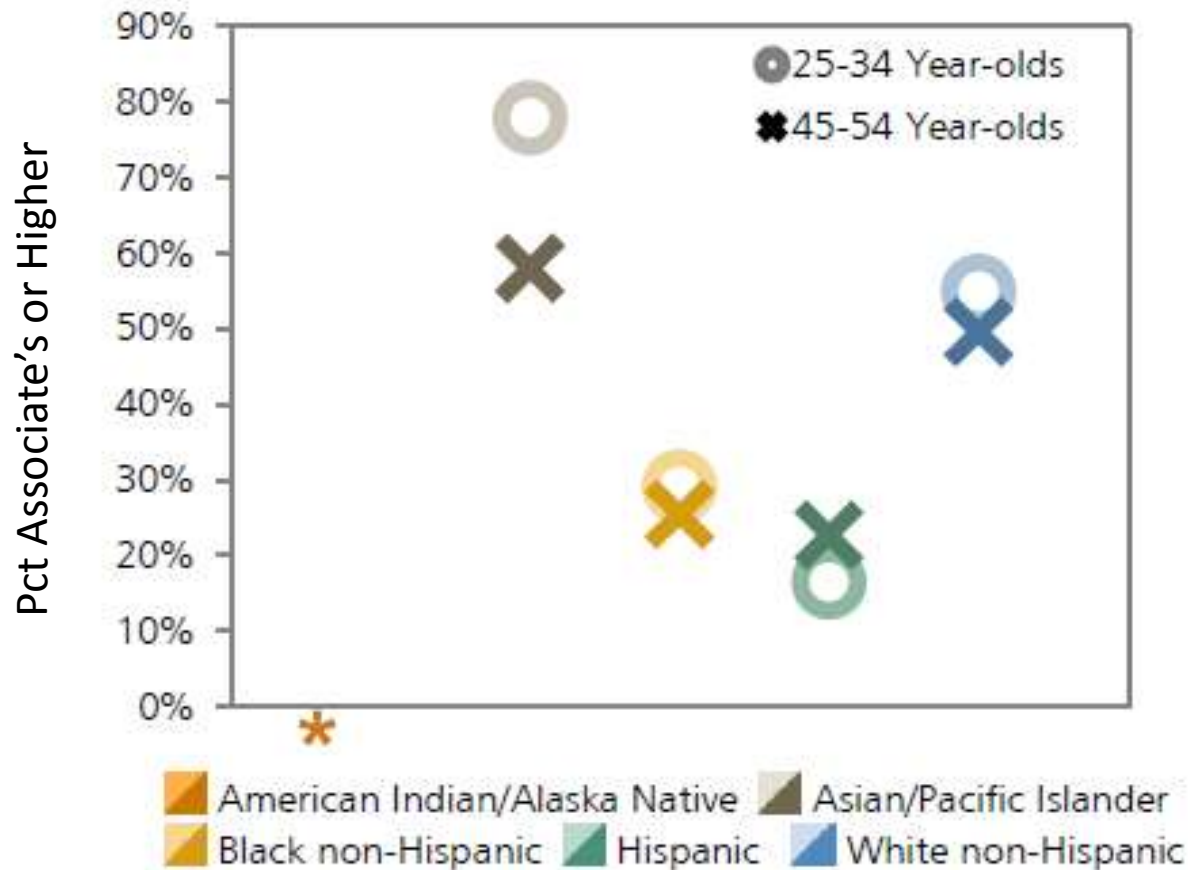


Note: No estimates are reported due to insufficient sample size or a coefficient of variation that exceeded 25% for at least one of the estimates.

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



CT Educational Attainment by Race/Ethnicity

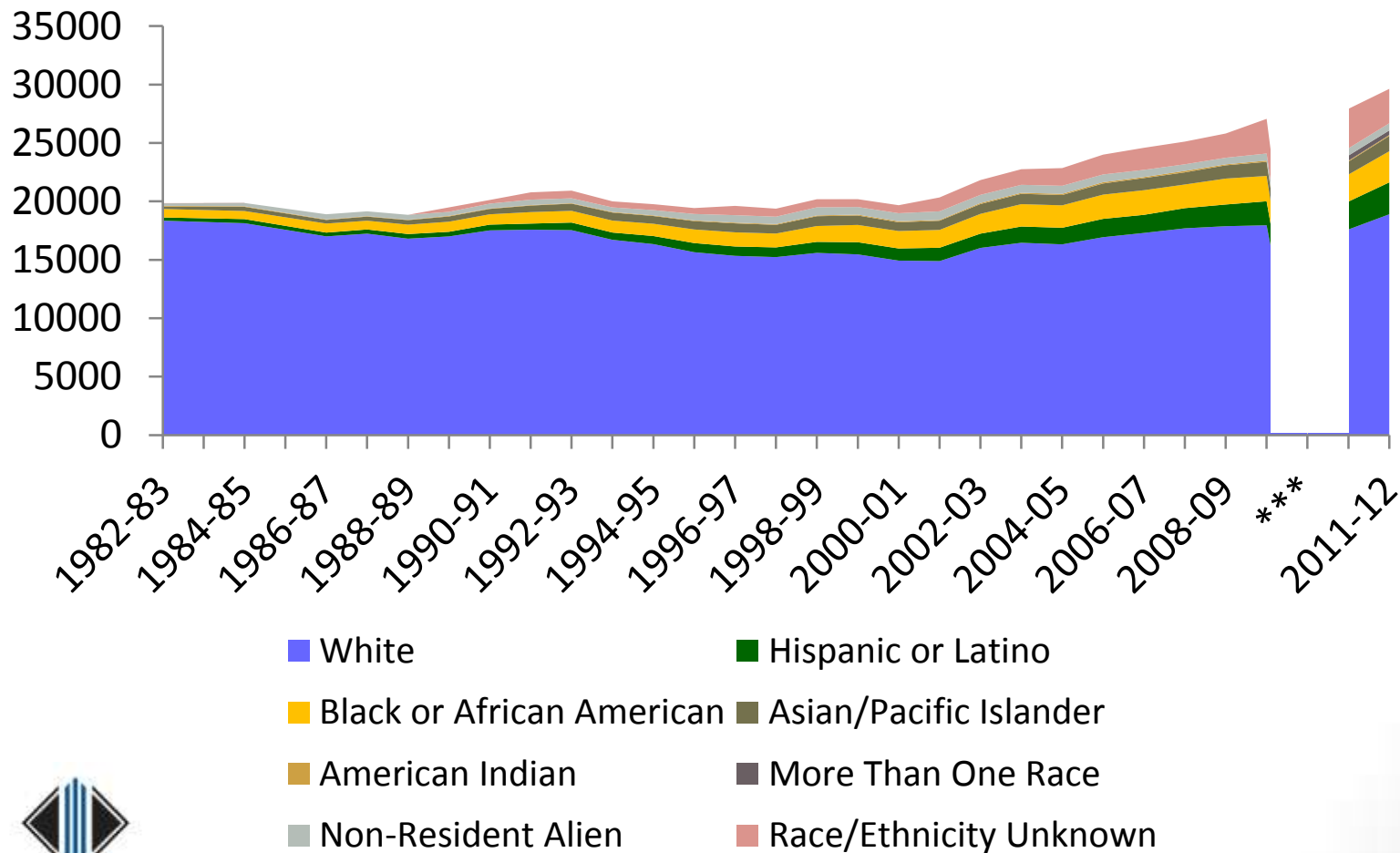


Note: No estimates are reported due to insufficient sample size or a coefficient of variation that exceeded 25% for at least one of the estimates.

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



Undergraduate Completions by Race/Ethnicity

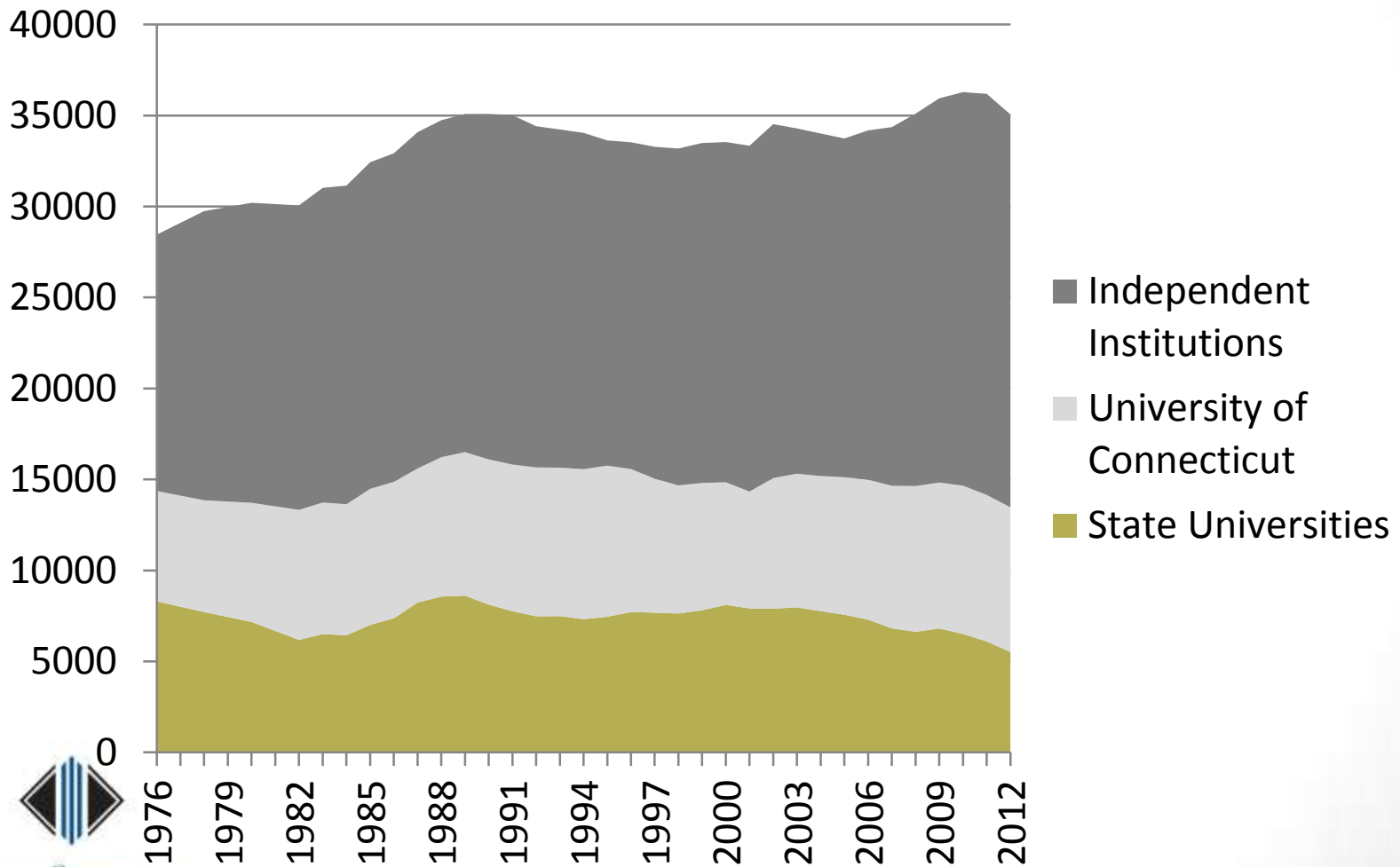


- White
- Black or African American
- American Indian
- Non-Resident Alien
- Hispanic or Latino
- Asian/Pacific Islander
- More Than One Race
- Race/Ethnicity Unknown

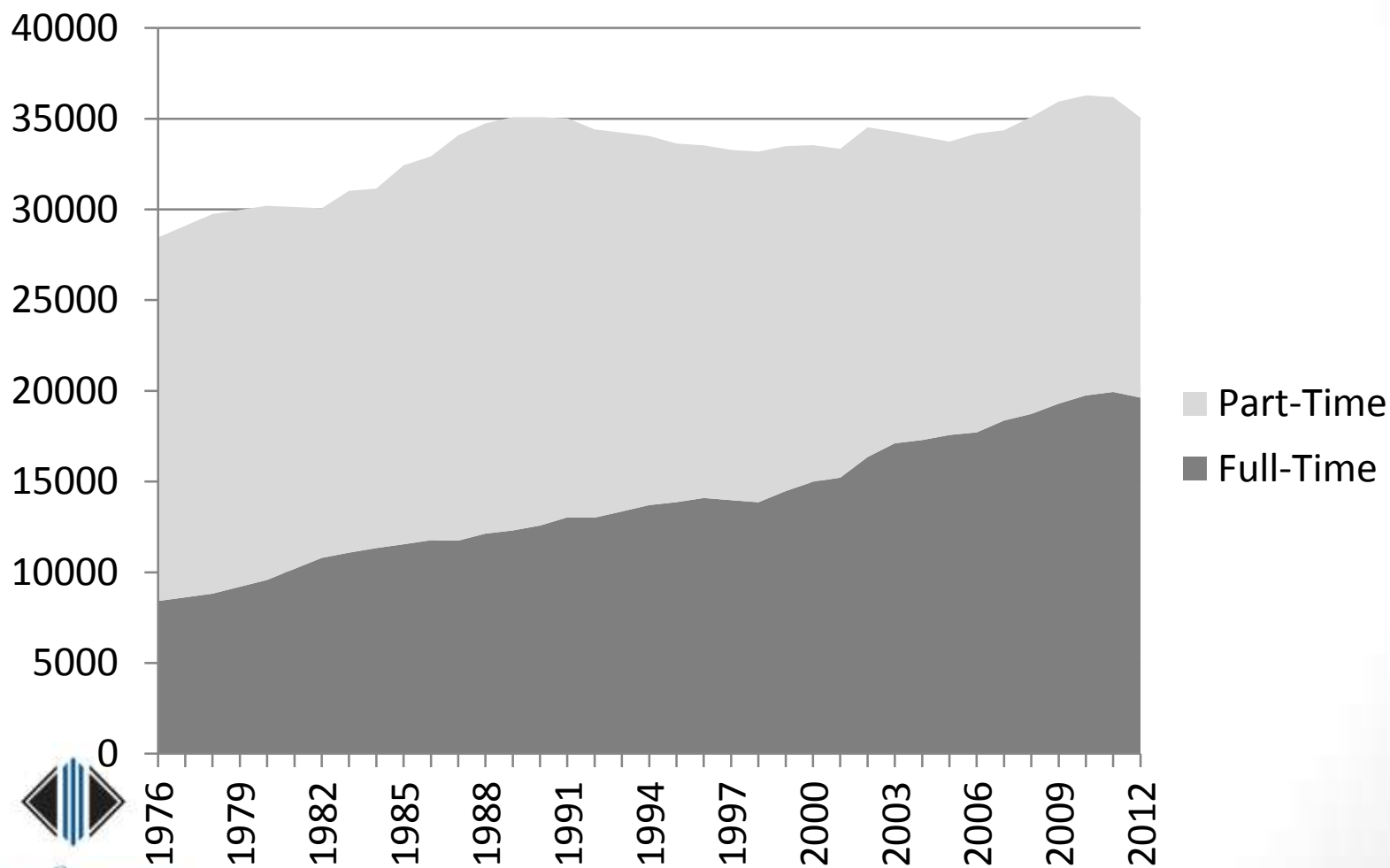
*** Race/ethnicity collection and reporting changed in 2010. Subsequent data may not be comparable; interpret with caution



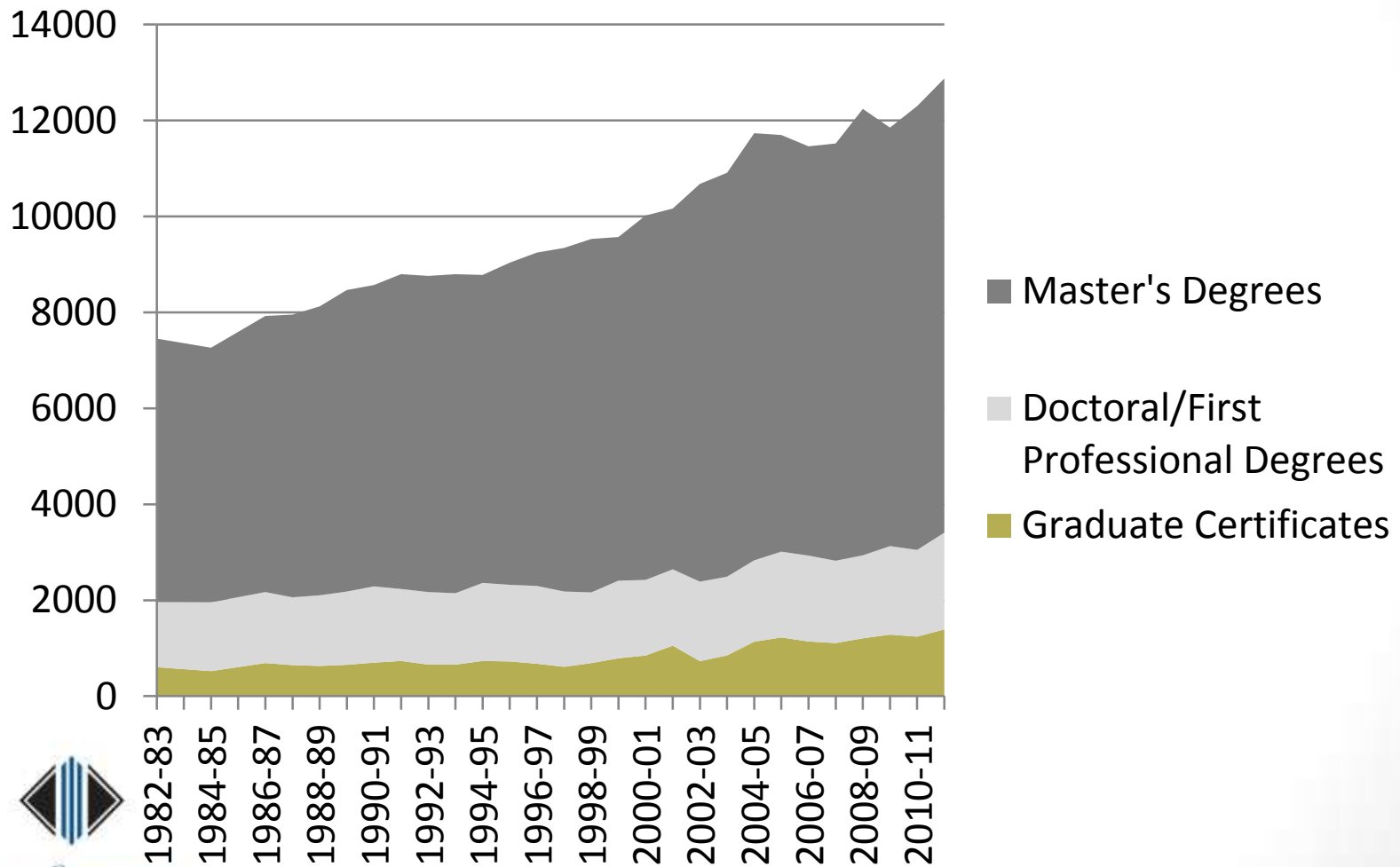
Graduate Student Enrollment



Graduate Student Enrollment



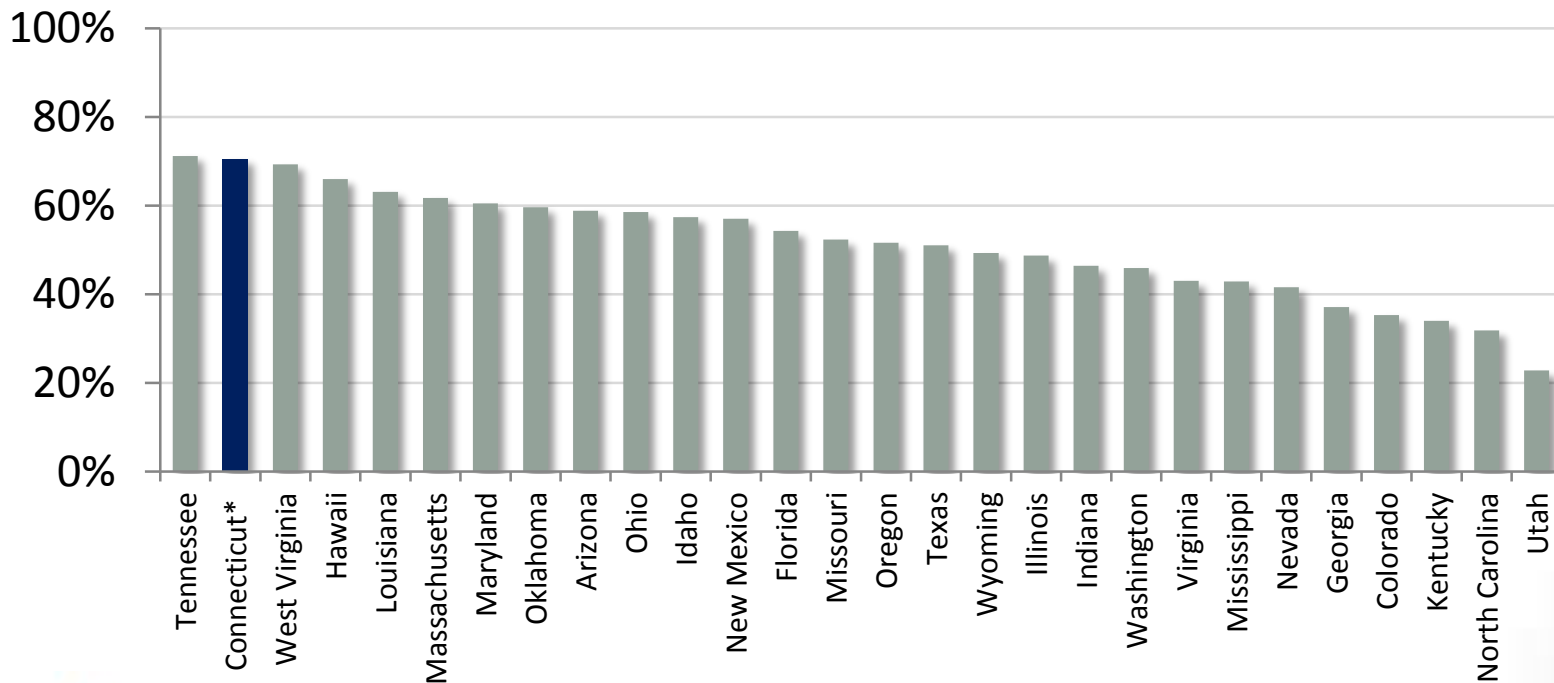
Graduate Degree Completions



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 completions in 2007-08; CT data are from 2010-11 completions 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* |

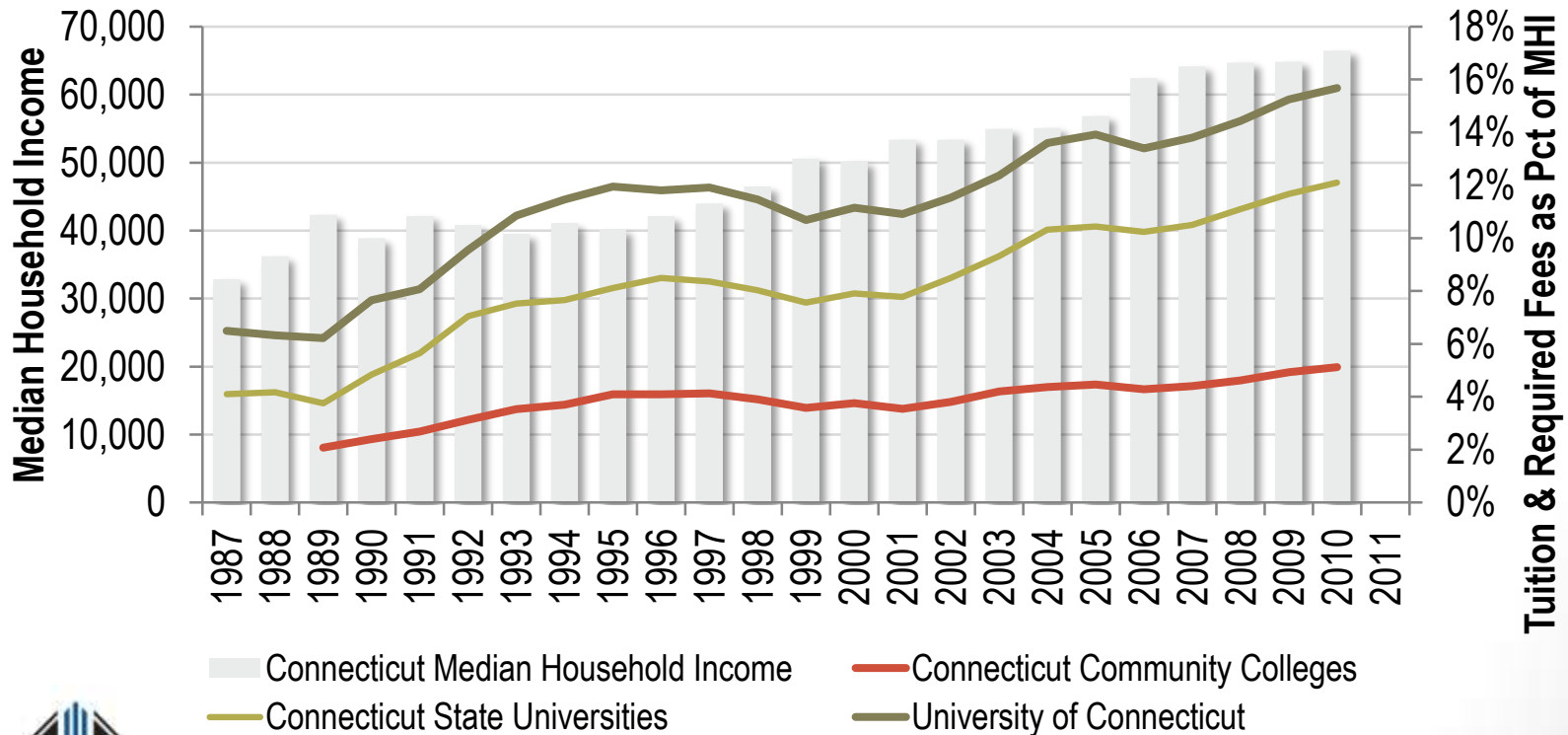


Source: Complete College America, Time Is the Enemy (2011). Comparison data are from completions in 2007-08; CT data are from 2010-11 completions reported to CCA in 2013.

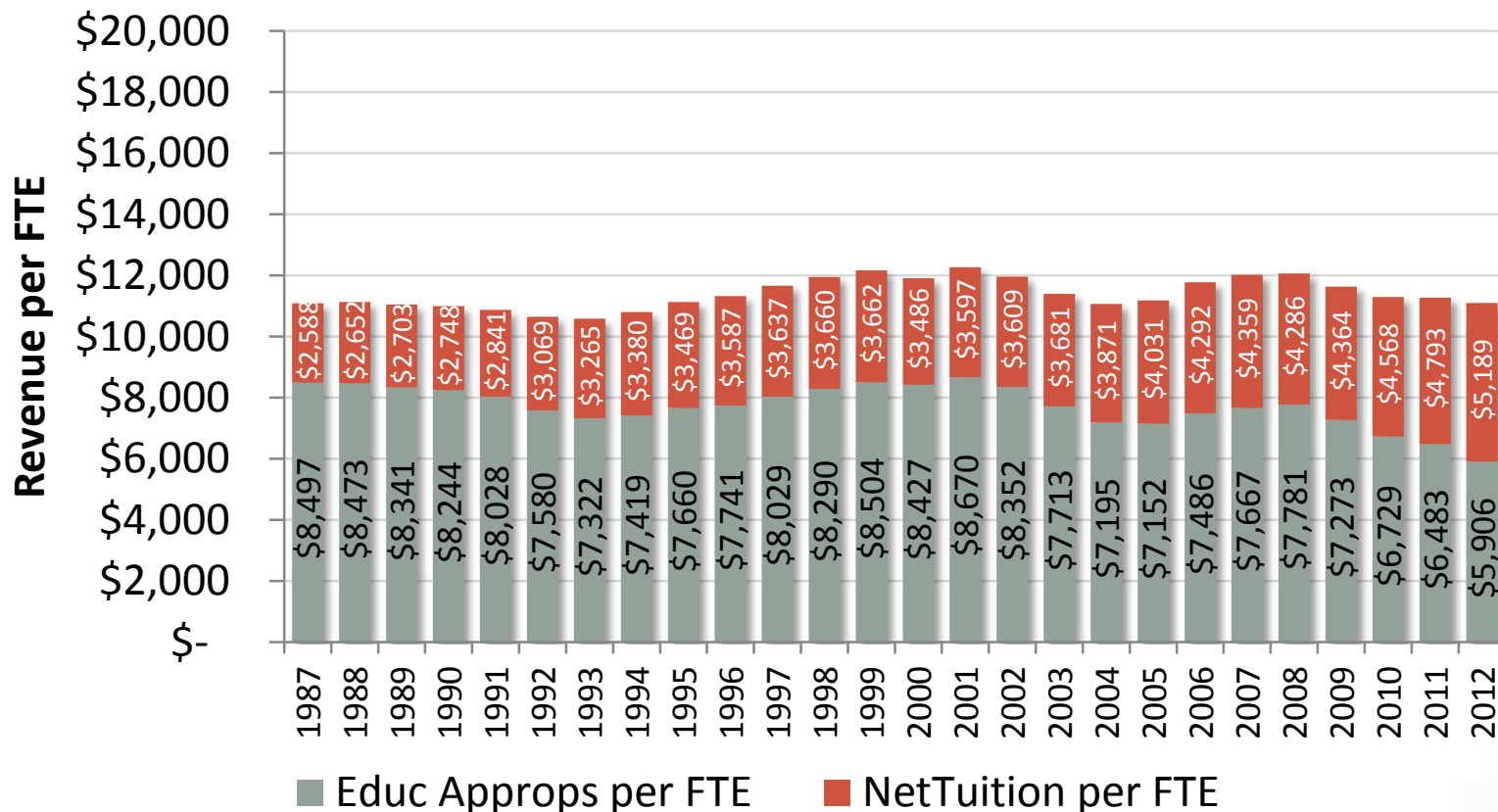
*Because Connecticut does not capture unit records at the state level for public higher education, these figures may not reflect all credits earned.

Affordability – Student Charges

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

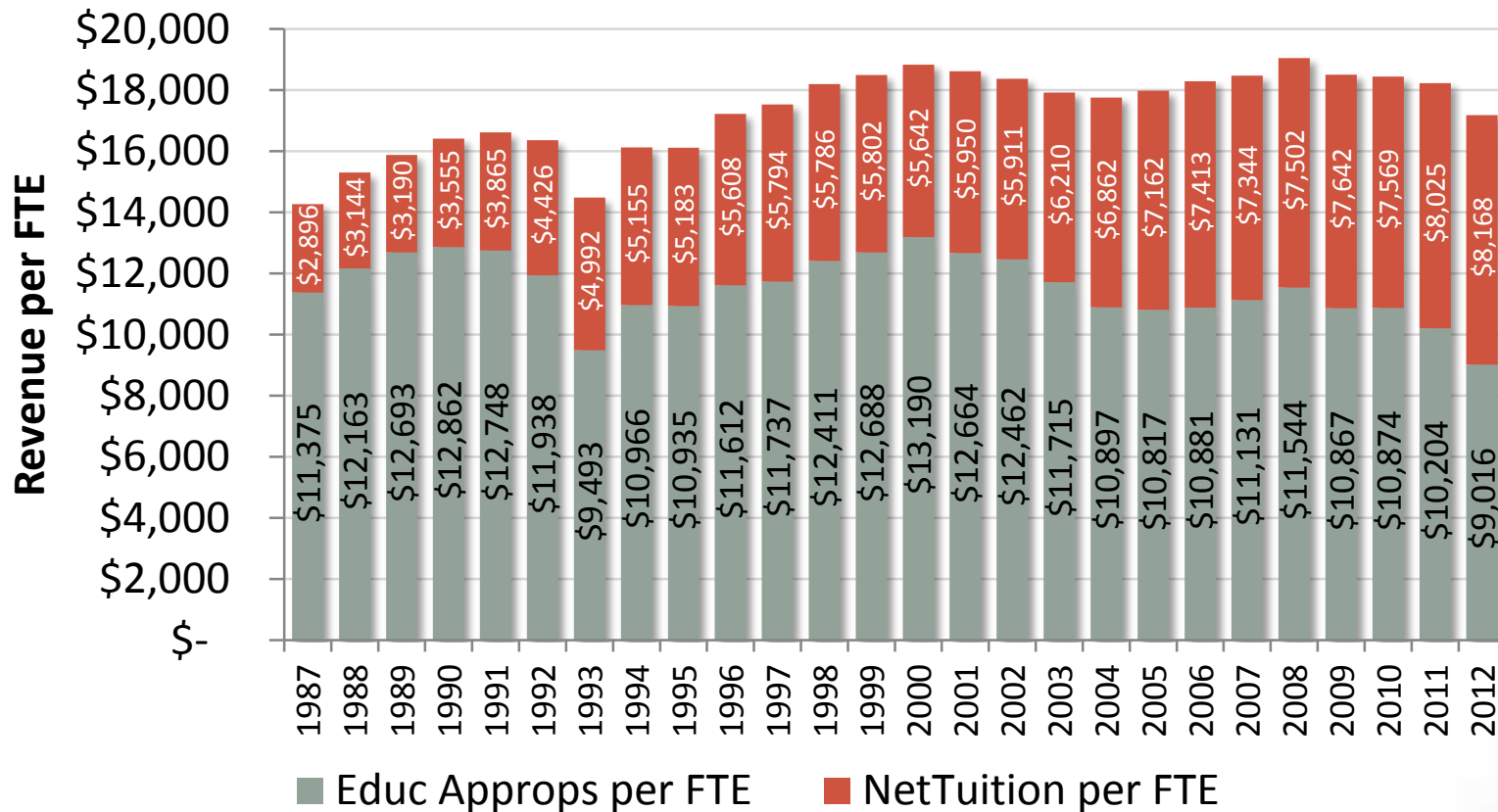


State Appropriations & Tuition Revenue per FTE, United States, Constant Dollars



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

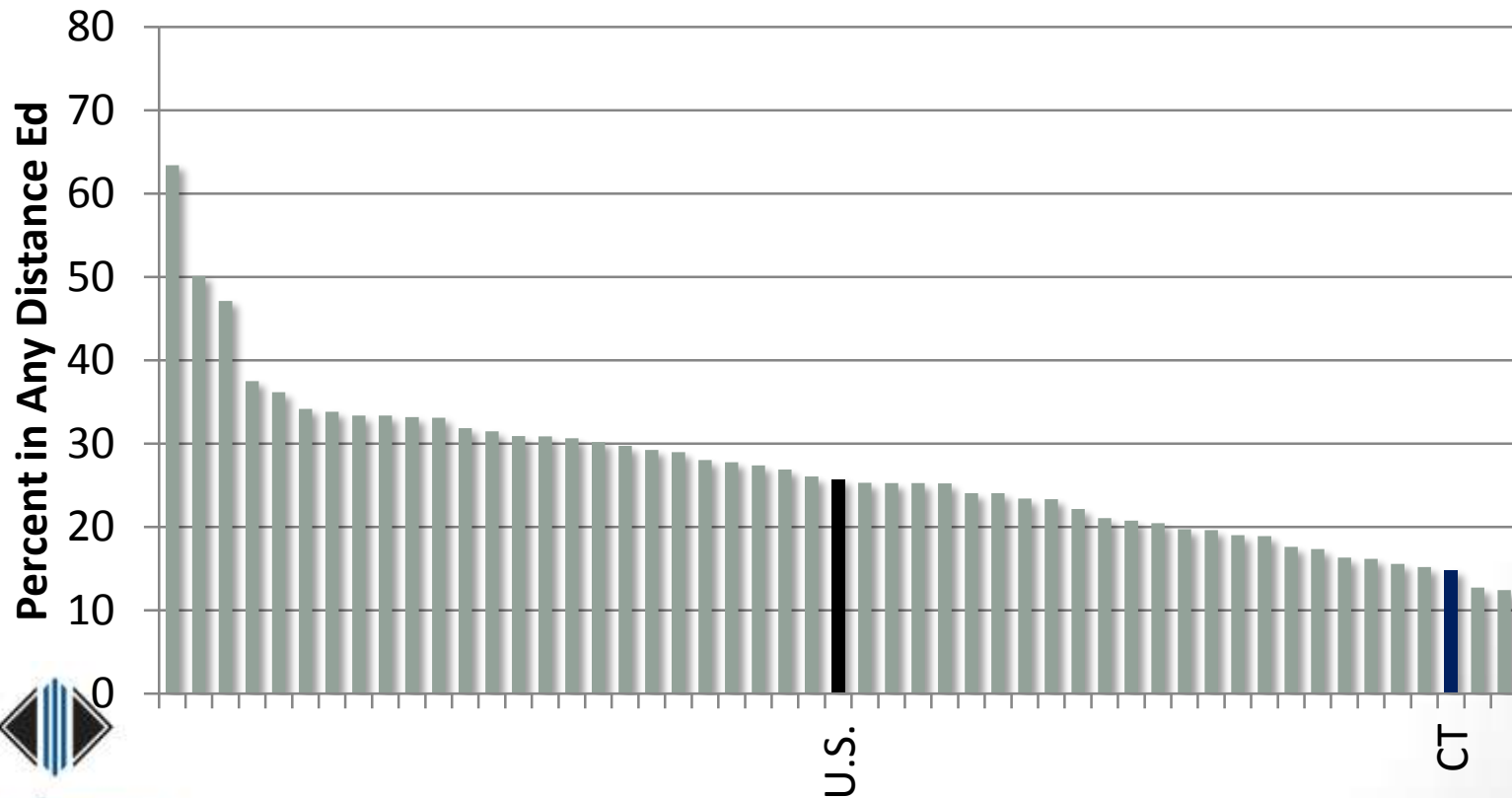
State Appropriations & Tuition Revenue per FTE, Connecticut, Constant Dollars



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

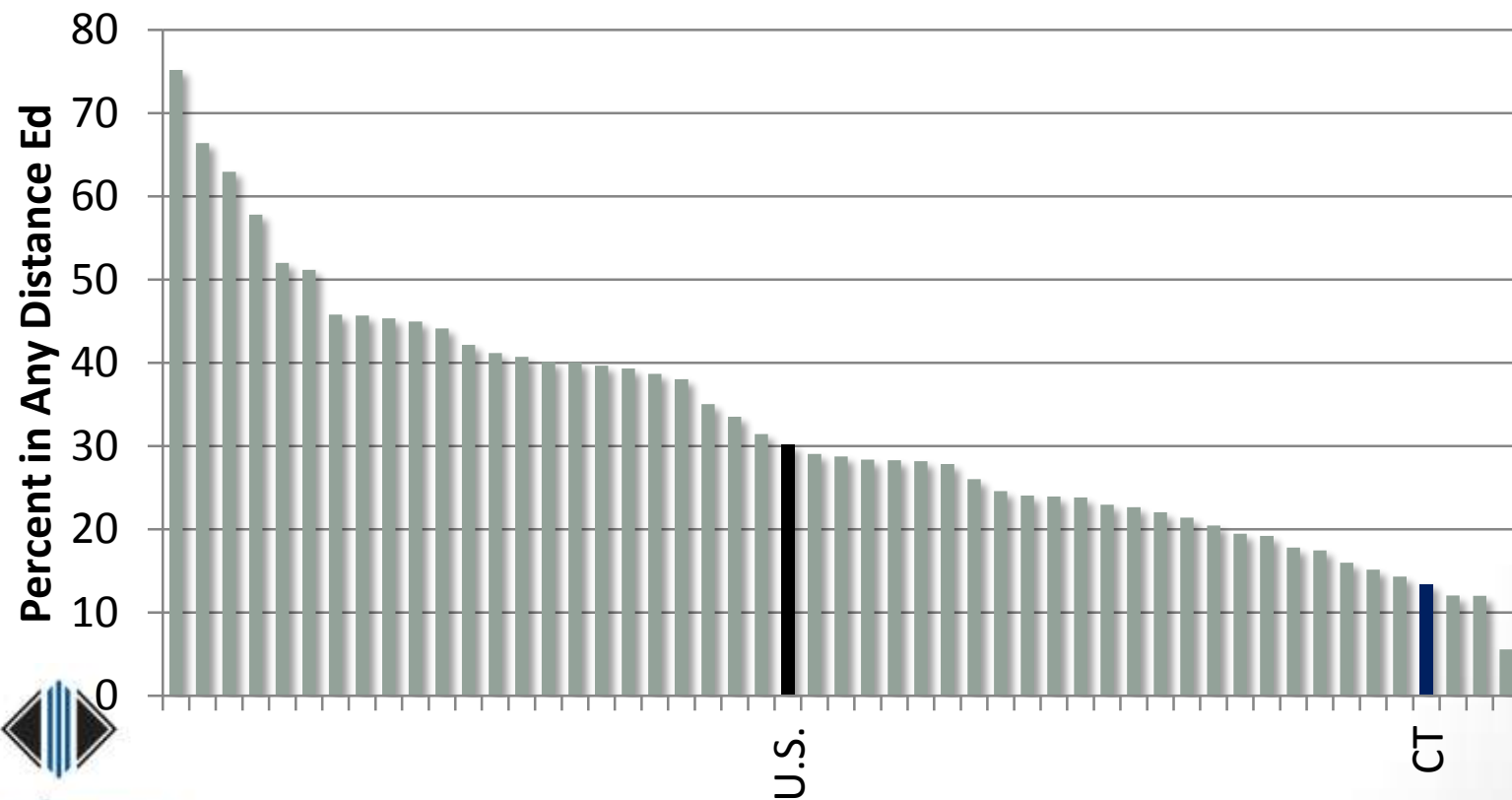
Distance Learning

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

