Connecticut Data: Implications for Higher Education

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Connecticut Board of Regents for Higher Education
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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, 1980

Percent of Population

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

Percent of Population

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
US Population By Age and Sex, 2050

Percent of Population

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

Data Source: U.S. Census Bureau
Population Change – Connecticut

Connecticut Population By Age and Sex, 2030

| Men |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | Women |
|     | 8 | 6 | 4 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 8 |

Percent of Population

Data Source: U.S. Census Bureau
# United States Population Change

<table>
<thead>
<tr>
<th>Year</th>
<th>U.S. Population</th>
<th>Change in U.S. Population (from 2010)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20-24</td>
<td>70+</td>
</tr>
<tr>
<td>2010</td>
<td>21,779,480</td>
<td>27,968,034</td>
</tr>
<tr>
<td>2020</td>
<td>21,799,193</td>
<td>36,943,962</td>
</tr>
<tr>
<td>2030</td>
<td>24,191,409</td>
<td>51,711,144</td>
</tr>
<tr>
<td>2040</td>
<td>26,408,192</td>
<td>62,249,538</td>
</tr>
<tr>
<td>2050</td>
<td>28,171,436</td>
<td>67,004,446</td>
</tr>
</tbody>
</table>

Data Source: U.S. Census Bureau
## Connecticut Population Change

<table>
<thead>
<tr>
<th></th>
<th>Connecticut Population</th>
<th>Change in CT Population (from 2010)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>20-24</td>
<td>70+</td>
</tr>
<tr>
<td>2010</td>
<td>233,040</td>
<td>369,177</td>
</tr>
<tr>
<td>2020</td>
<td>215,023</td>
<td>457,048</td>
</tr>
<tr>
<td>2030</td>
<td>198,927</td>
<td>585,871</td>
</tr>
</tbody>
</table>

Data Source: U.S. Census Bureau
Connecticut Population
Age 0 and Age 85+ from 1990 to 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

![Graph showing the trend of Public High School Graduates from 1970 to 2023. The graph indicates a decrease in graduates after 1997, with a slight increase in recent years.](image-url)
CT Undergraduate Fall Headcount Enrollment & HS Graduates

Postsecondary Headcount Enrollment

- Community-Technical Colleges
- Charter Oak State College
- U.S. Coast Guard Academy
- Connecticut State Universities
- Independent Institutions
- UCONN
- Actual Public HS Grads
- Projected Public HS Grads

Public HS Graduates
CT Undergraduate Fall Headcount Enrollment & HS Graduates (+3 Years)
CT Undergraduate Fall Headcount Enrollment (Full-time & Part-time)

Projected FT & PT Undergraduate Enrollment
Actual Part-Time Undergraduate Enrollment
Actual Full-Time Undergraduate Enrollment
CT Undergraduate FTE Enrollment

- Actual Undergraduate FTE Enrollment
- Projected Undergraduate FTE Enrollment
- Undergraduate Completions*

*Undergraduate Completions include both bachelor and associate degrees.
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

<table>
<thead>
<tr>
<th>Educational Attainment</th>
<th>Pop. 25 to 44 years</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N</td>
</tr>
<tr>
<td>Less than 9th grade</td>
<td>26,524</td>
</tr>
<tr>
<td>9th to 12th grade, no diploma</td>
<td>53,218</td>
</tr>
<tr>
<td>High school graduate, GED, or alternative</td>
<td>217,326</td>
</tr>
<tr>
<td>Some college, no degree</td>
<td>171,999</td>
</tr>
<tr>
<td>Associate's degree</td>
<td>68,097</td>
</tr>
<tr>
<td>Bachelor's degree</td>
<td>217,284</td>
</tr>
<tr>
<td>Graduate or professional degree</td>
<td>140,685</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>895,133</td>
</tr>
</tbody>
</table>

Attained Associate's Degree or Higher                       | 426,066 | 47.6   |

At least HS diploma, no college degree                      | **389,325** | 43.5   |

CT High School Graduates by Race/Ethnicity

Source: Knocking at the College Door (WICHE, 2012)
CT Educational Attainment by Race/Ethnicity

Source: Knocking at the College Door (WICHE, 2012)
CT Educational Attainment by Race/Ethnicity

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

- Independent Institutions
- University of Connecticut
- State Universities


Enrollment: 0, 5000, 10000, 15000, 20000, 25000, 30000, 35000, 40000
Graduate Student Enrollment
Graduate Degree Completions

- Master's Degrees
- Doctoral/First Professional Degrees
- Graduate Certificates
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

<table>
<thead>
<tr>
<th>Award/Entry Status</th>
<th>Average Years</th>
<th>State Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certificate-Seeking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full-Time</td>
<td>3.4</td>
<td>14 out of 26</td>
</tr>
<tr>
<td>Part-Time</td>
<td>5.0</td>
<td>18 out of 26</td>
</tr>
<tr>
<td>Associate’s-Seeking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full-Time</td>
<td>4.3</td>
<td>19 out of 28</td>
</tr>
<tr>
<td>Part-Time</td>
<td>5.6</td>
<td>18 out of 28</td>
</tr>
<tr>
<td>Bachelor’s-Seeking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full-Time</td>
<td>4.4*</td>
<td>7 out of 29*</td>
</tr>
<tr>
<td>Part-Time</td>
<td>5.2*</td>
<td>8 out of 29*</td>
</tr>
</tbody>
</table>

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

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 - Credits to Degree

## CT Public Institutions

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<th>Average Credits</th>
<th>State Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certificate-Seeking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full-Time</td>
<td>77</td>
<td>21 out of 25</td>
</tr>
<tr>
<td>Part-Time</td>
<td>70</td>
<td>21 out of 25</td>
</tr>
<tr>
<td>Associate’s-Seeking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full-Time</td>
<td>84</td>
<td>16 out of 28</td>
</tr>
<tr>
<td>Part-Time</td>
<td>85</td>
<td>19 out of 28</td>
</tr>
<tr>
<td>Bachelor’s-Seeking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full-Time</td>
<td>125*</td>
<td>2 out of 29*</td>
</tr>
<tr>
<td>Part-Time</td>
<td>115*</td>
<td>2 out of 28*</td>
</tr>
</tbody>
</table>

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

Connecticut Median Household Income
Connecticut Community Colleges
Connecticut State Universities
University of Connecticut
State Appropriations & Tuition Revenue per FTE, United States, Constant Dollars

Market price and tuition revenue per FTE in constant dollars from 1987 to 2012.

Inflation adjusted by Higher Education Cost Index (HECA)
State Appropriations & Tuition Revenue per FTE, Connecticut, Constant Dollars

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