

# Texas's Educational Challenge: Demographic Dividend or Bust?

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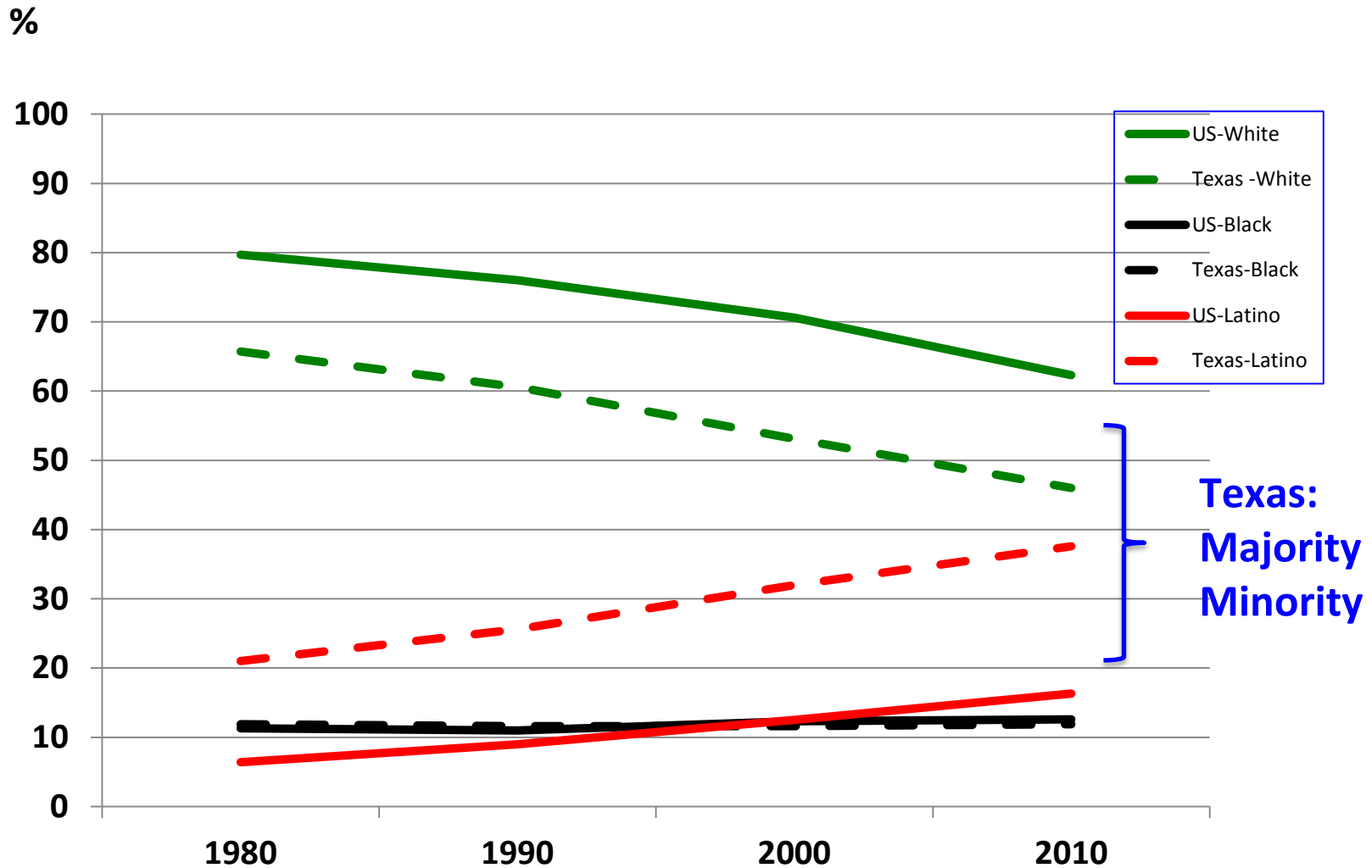
# Outline

- Context: Galloping Population
  - Propitious conditions for harnessing dividend
- Education Indicators and Trends
  - K-12: Challenges & Opportunities
  - Higher Education: Swimming Upstream
- Implications for 10-Gallon Economy
  - Future Labor Force Quality
  - Aging Anglo Workforce

# Texas Population Growth: 1970-2010

| Year | Texas Population ('000) | Inter-decade % Change |      | # U.S. Representatives |
|------|-------------------------|-----------------------|------|------------------------|
|      |                         | Texas                 | U.S. |                        |
| 1970 | 11,197                  |                       |      | 24                     |
| 1980 | 14,222                  | 27.0                  | 11.4 | 27                     |
| 1990 | 16,987                  | 19.4                  | 9.8  | 30                     |
| 2000 | 20,852                  | 22.8                  | 13.2 | 32                     |
| 2010 | 25,145                  | 20.6                  | 9.7  | 36                     |
|      |                         |                       |      |                        |

# Changes in Population Composition, 1980-2010: U.S. and Texas



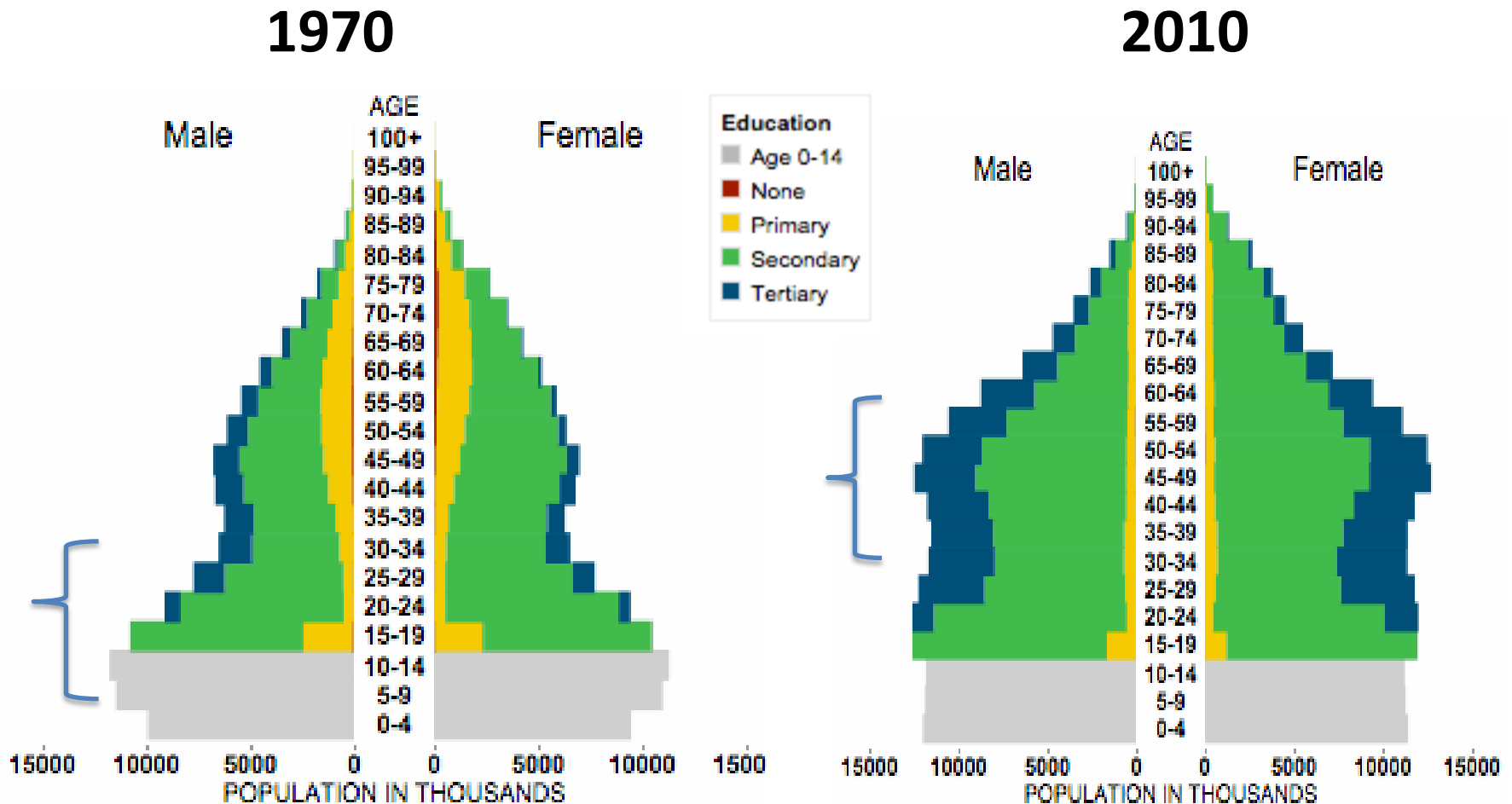
# Latinos and 10-Gallon Economy

- “The future of the nation is inextricably linked to the ...Hispanic community.” WHIEEH, 2014
- “The challenge that Texas faces is to maintain or accelerate recent improvements in educational attainment of Hispanics in the state.” You & Potter, 2014
- “Texas...must increase college success among fast-growing groups...including ...low-income and first generation students and students of color.” Lumina 2012
- “The Latino future is the future of [Texas]....but what kind of future will it be?” Murdock, 2010

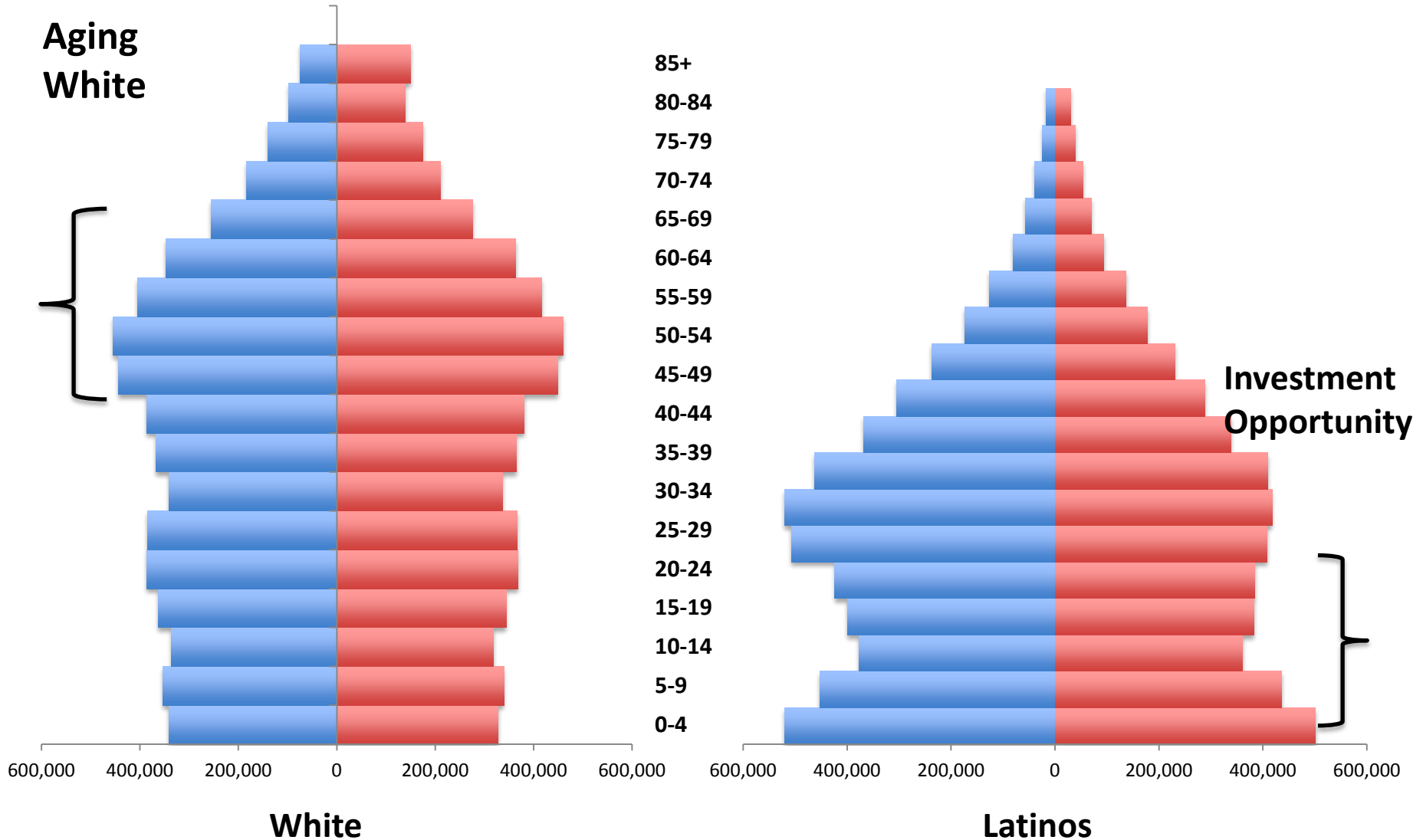
**Answer:**

**Depends on Investments in Education**

# U.S. Age-Education Attainment Pyramids



# Texas 2010 Age Pyramids: Whites and Latinos





# **Lone Star : Demographic Dividend or Bust?**

K-12

HS Graduation

College Enrollment

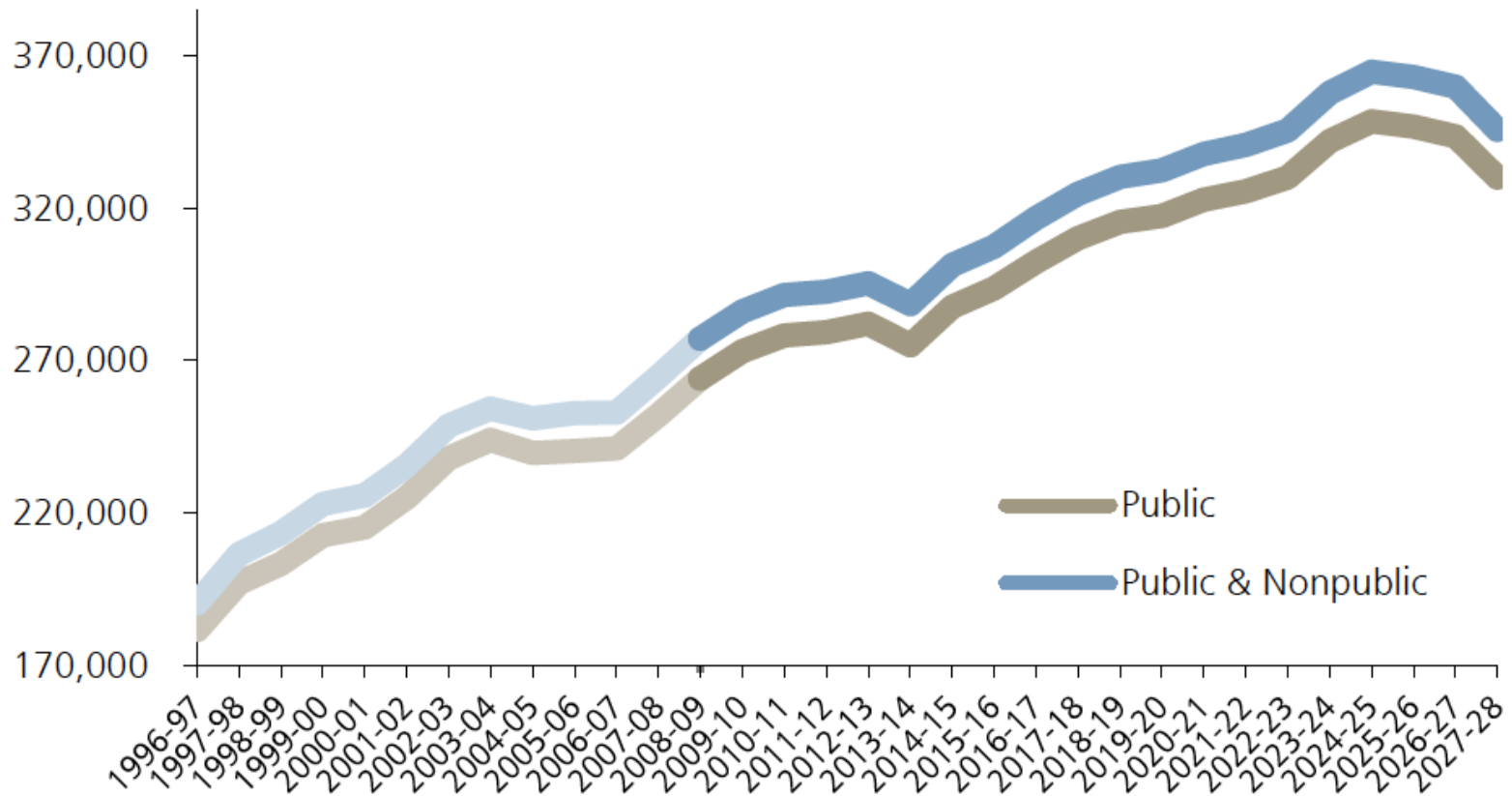
College Completion

# Texas Educational Investments: Elementary and Secondary School Indicators , 2011-2012

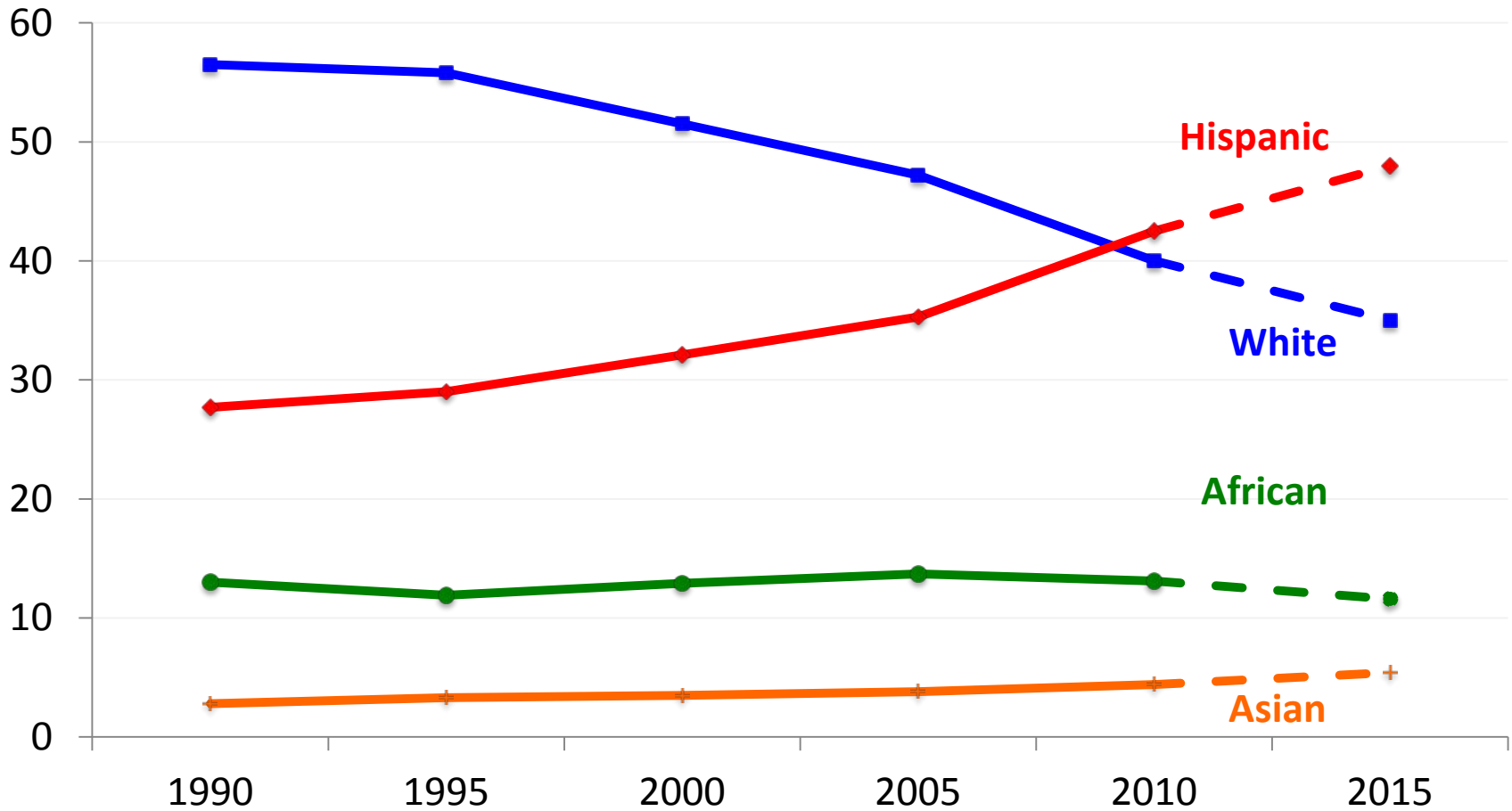
|                                       | Texas     | U.S. Average | Difference |
|---------------------------------------|-----------|--------------|------------|
| % Free/Reduced Lunch                  | 51.0      | 43.3         | +7.7       |
| % LEP-ELL Students                    | 14.9      | 9.0          | +5.9       |
|                                       |           |              |            |
| Total Per Pupil Expenditure           | \$10, 541 | \$12,201     | -\$1,660   |
|                                       |           |              |            |
| NAEP: % Proficient or above           |           |              |            |
| Grade 8 Math %                        | 36        | 33           | +3         |
| Grade 8 Reading %                     | 28        | 29           | -1         |
| Grade 8 Science %                     | 23        | 27           | -4         |
|                                       |           |              |            |
| % ages 25-34 with AA degree or higher | 32        | 42           | -10        |

Source: CCD Data; [nces.ed.gov/programs/stateprofiles/](http://nces.ed.gov/programs/stateprofiles/)

# Number of Texas High School Graduates: 1997-2010; Projections to 2028

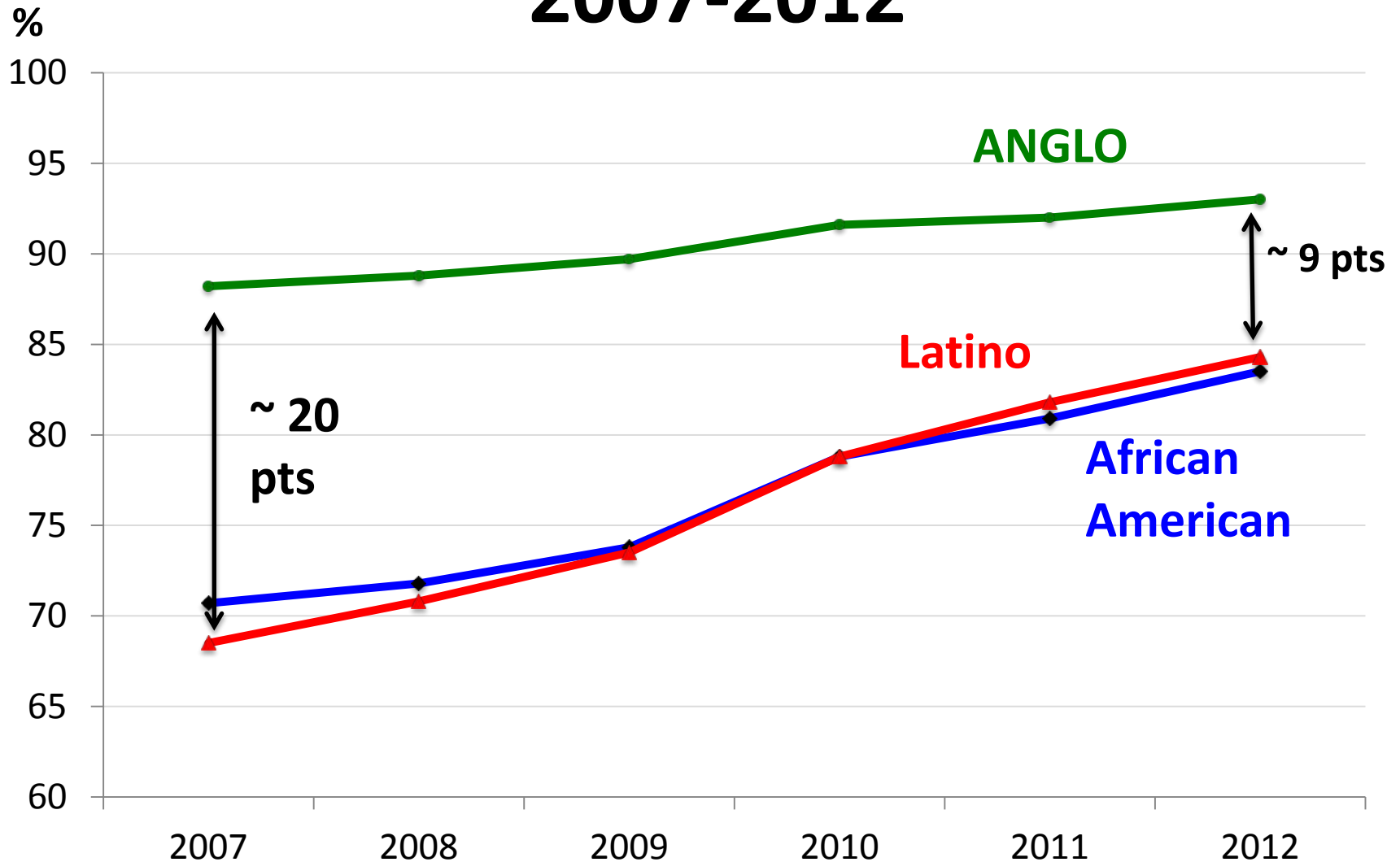


# Composition of Texas HS Public School Graduates: 1990-2015

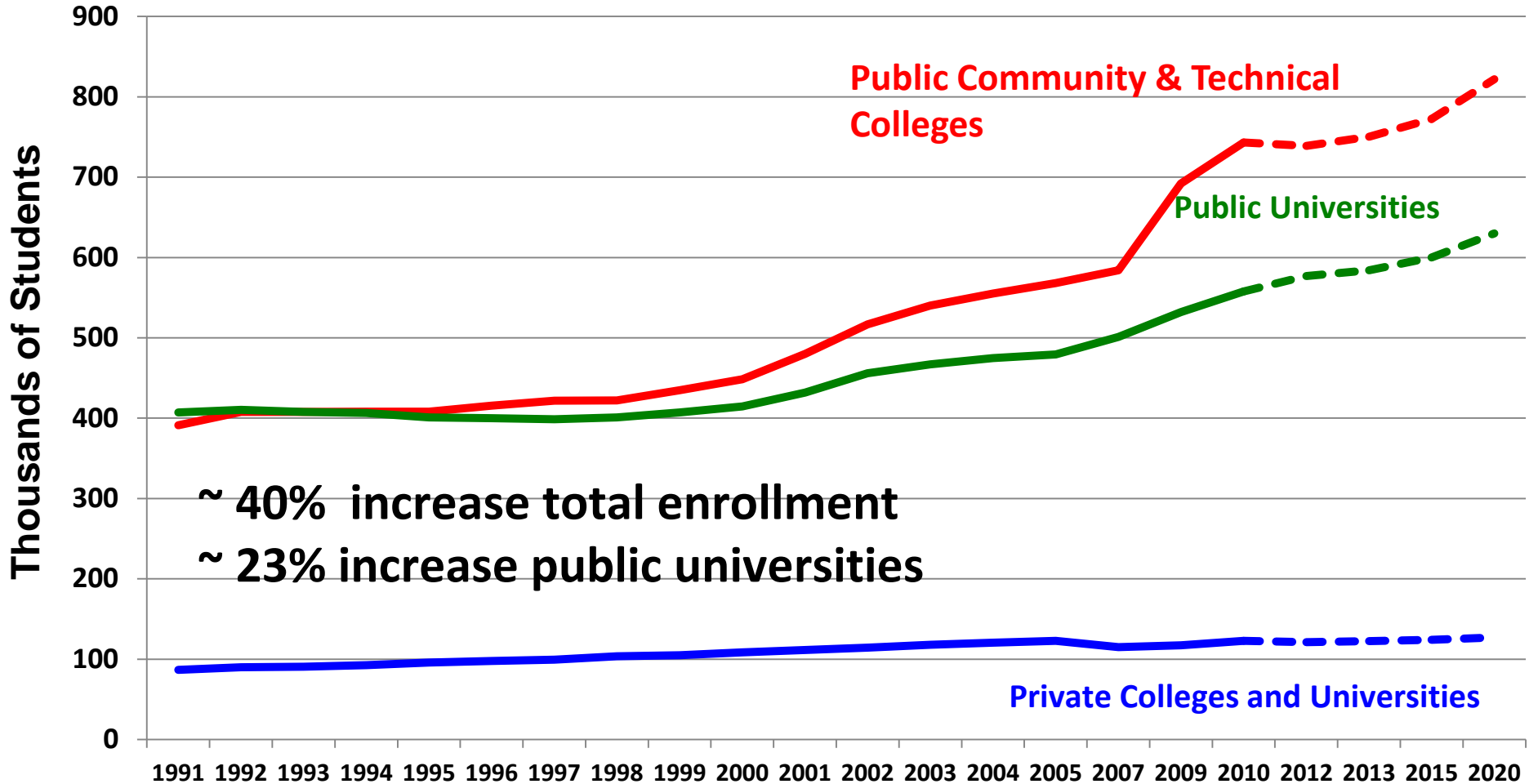


Sources: WICHE 1990, 2008 and 2012 reports

# Texas High School Graduation Rates: 2007-2012



# Texas Higher Education Enrollment Trends and Projections: 1991-2020



# Hispanic and African American College Enrollment: 2013 Actual and 2015 CTG Targets

|                         | 2013 Actual Enrollment ('000) | 2015 CTG Target ('000) | Shortfall ('000)        |
|-------------------------|-------------------------------|------------------------|-------------------------|
| <b>African American</b> |                               |                        |                         |
| 2-year public           | <b>113.6</b>                  | <b>87.7</b>            | <b>none</b>             |
| 4-year public           | <b>72.2</b>                   | <b>64.8</b>            | <b>none</b>             |
| <b>Hispanic</b>         |                               |                        |                         |
| 2-year public           | <b>291.8</b>                  | <b>429.9</b>           | <b>-138.1<br/>(47%)</b> |
| 4-year public           | <b>177.4</b>                  | <b>212.8</b>           | <b>-35.4<br/>(20%)</b>  |

Source: Table A-1, Closing the Gaps 2014 Progress Report, June 2014

# **Texas College Attainment: Swimming Upstream and Falling Behind**

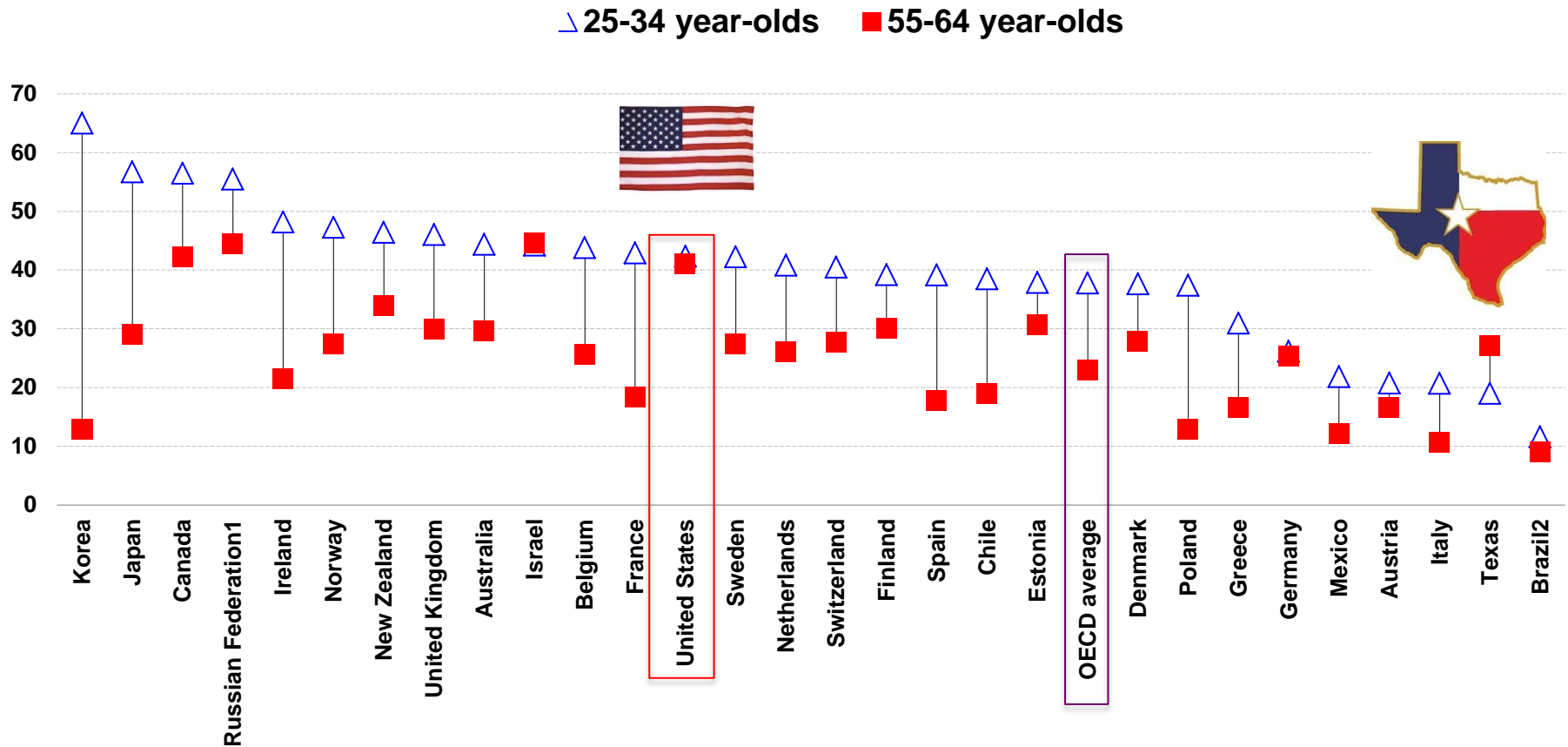


# 4-yr. College Attainment Rates for 25-34 yr. olds: U.S. and Texas, 1980-2010 (Percentages)

|            | 1980 | 1990 | 2000 | 2010 |
|------------|------|------|------|------|
| Texas      | 22.9 | 21.5 | 23.7 | 27.2 |
| U.S.       | 24.2 | 23.9 | 29.3 | 32.8 |
| Difference | -1.3 | -2.4 | -5.6 | -5.6 |

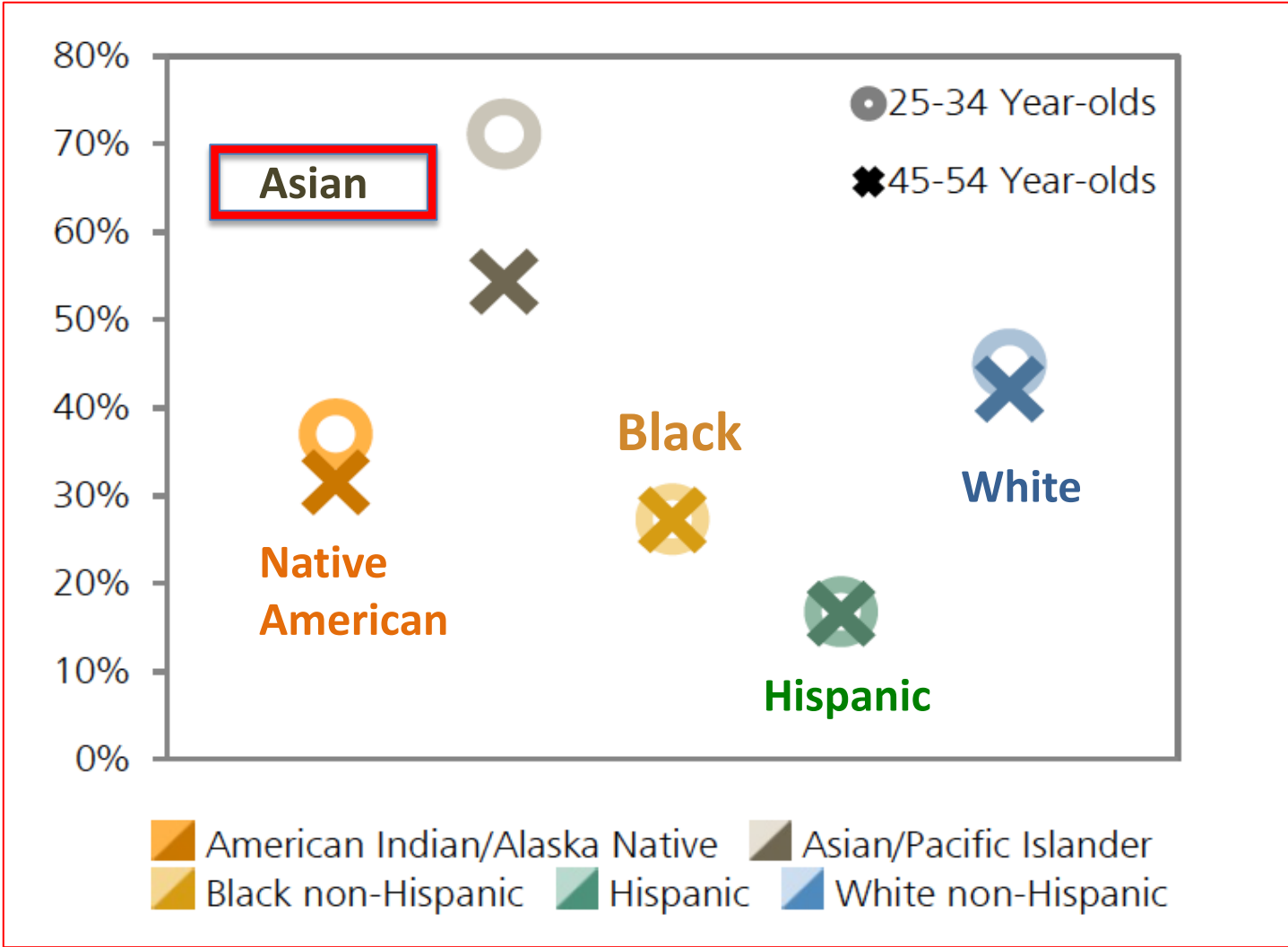
Source: US Census Bureau, Decennial Census of Population 1980-2000 and 2010 ACS

# Population Ages 25-34 and 55-64 that Attained College Degrees: OECD + Nations, 2010 (Percentages)



Source: OECD. Table A1.3a. See Annex 3 for notes ([www.oecd.org/edu/eag2012](http://www.oecd.org/edu/eag2012)).  
Statlink

# College Attainment (Associate & Higher) by Age Cohorts and Race/Ethnicity – Texas 2008-10

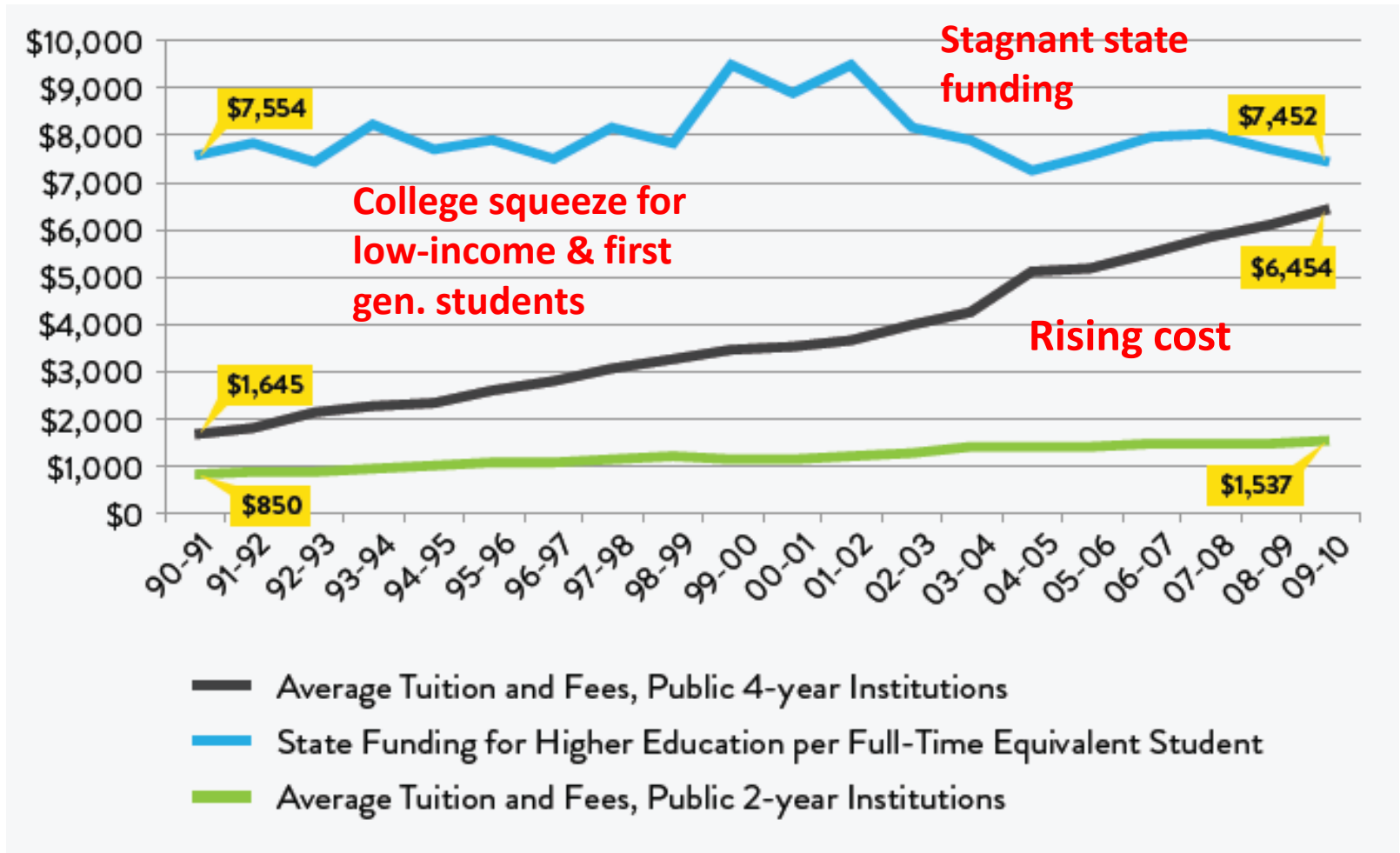


Source: <http://www.wiche.edu/knocking-8th/press/presentation>

# **Texas' Investment in Higher Education Lags Behind Student Needs and Workforce Demands**

Center for Public Policy Priorities, 2012

# Texas Higher Education Funding & Tuition Costs, 1990-2010

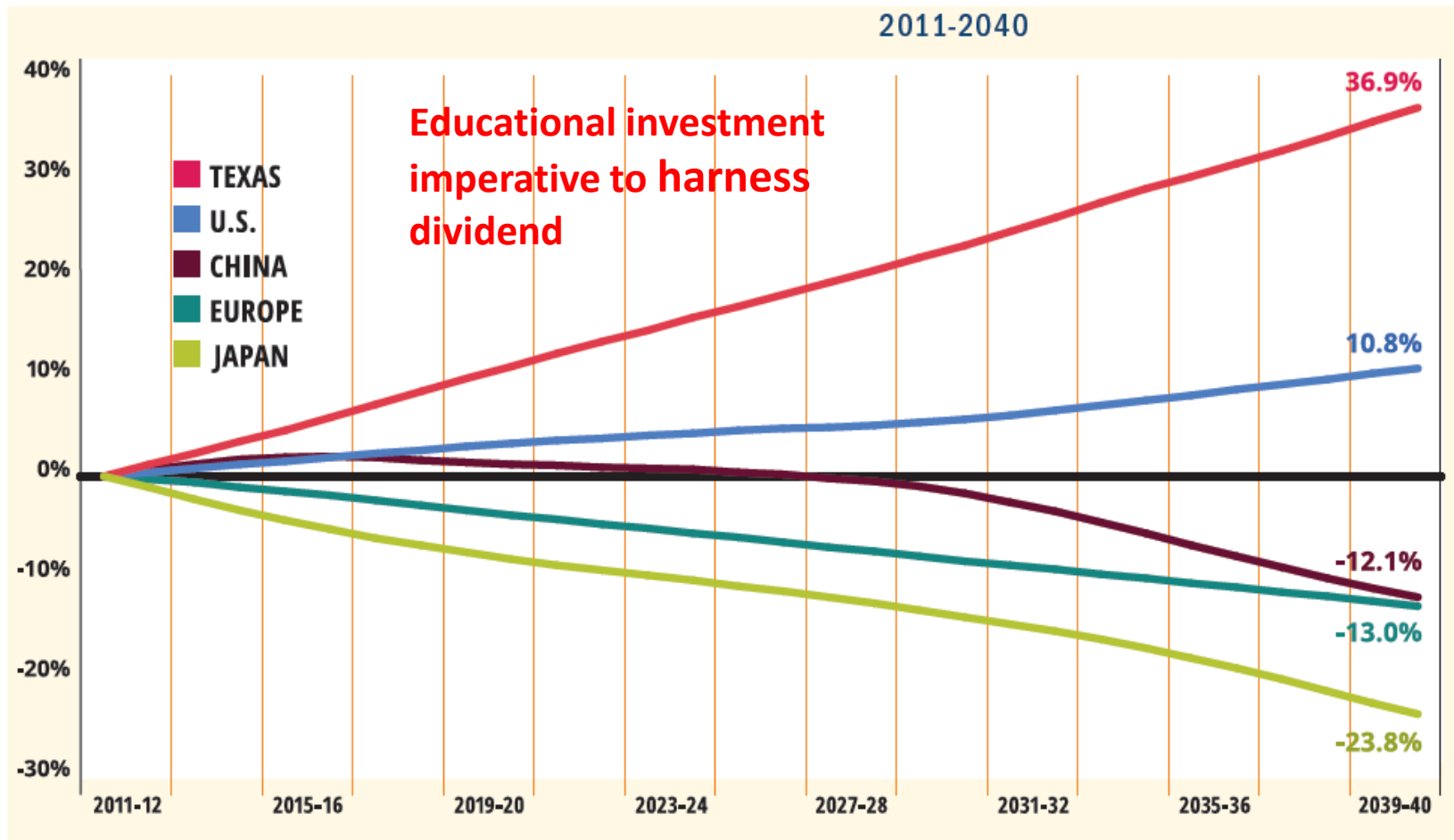


# **Two Compelling Reasons to Invest in Higher Education**

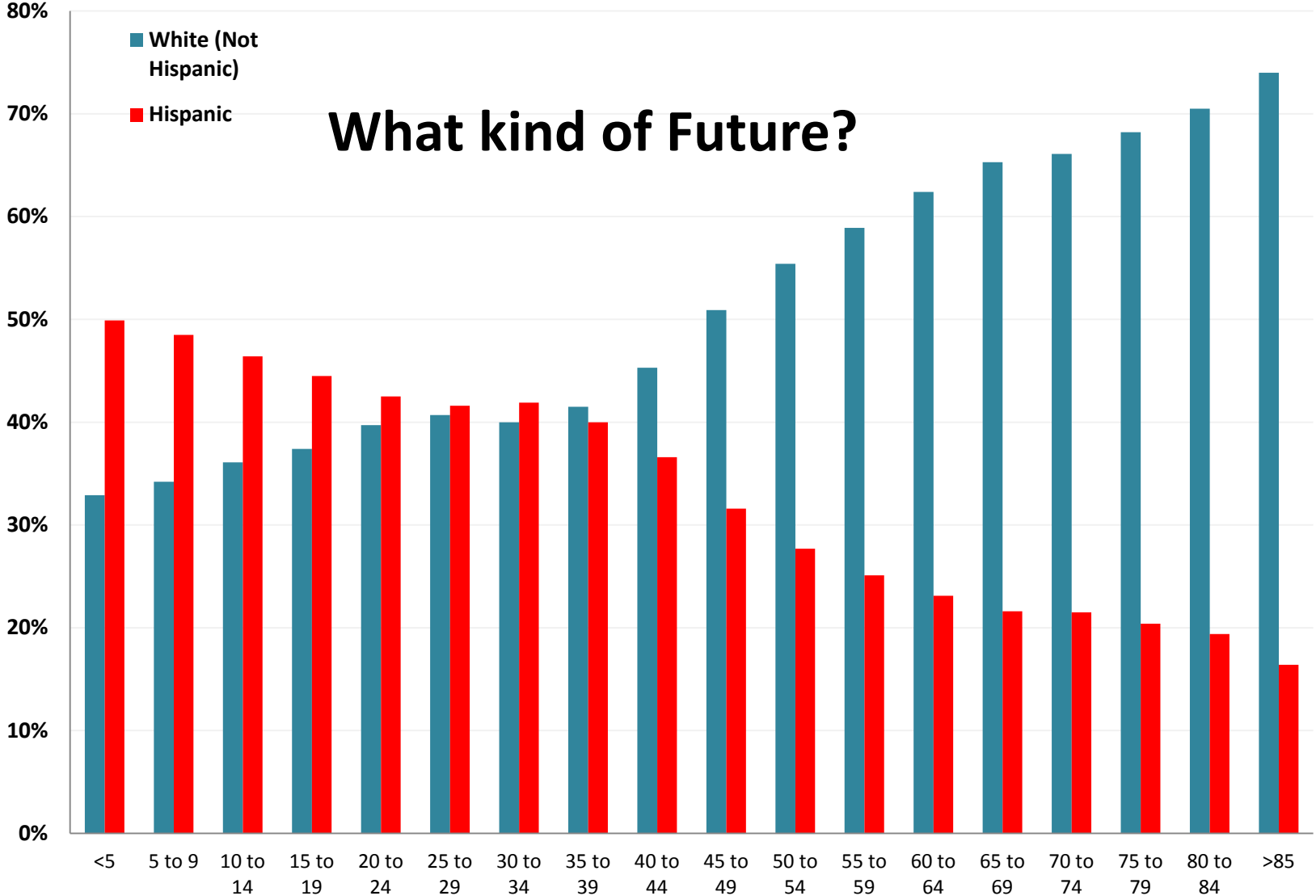
Burgeoning labor force growth

Population aging

# Projected Change in Working-Age Populations (Ages 15-64)



# Percent of Anglo and Hispanic Population by Age: TEXAS, 2010





# Thank You

Acknowledge technical support from  
Cara Carpenito and Dawn Koffman