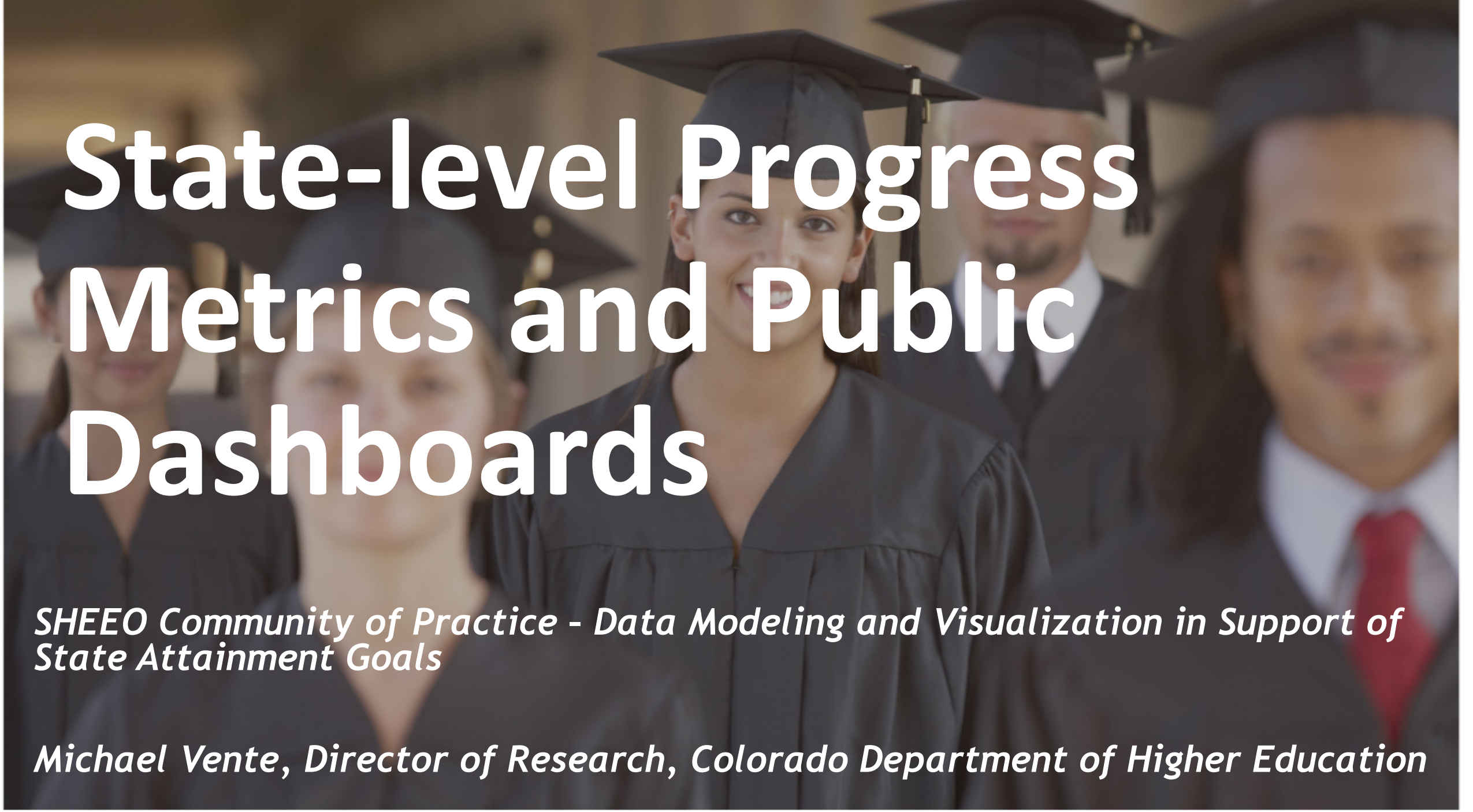


State-level Progress Metrics and Public Dashboards

SHEEO Community of Practice - Data Modeling and Visualization in Support of State Attainment Goals

Michael Vente, Director of Research, Colorado Department of Higher Education

THE #CORISES GOAL
BY 2025

66%

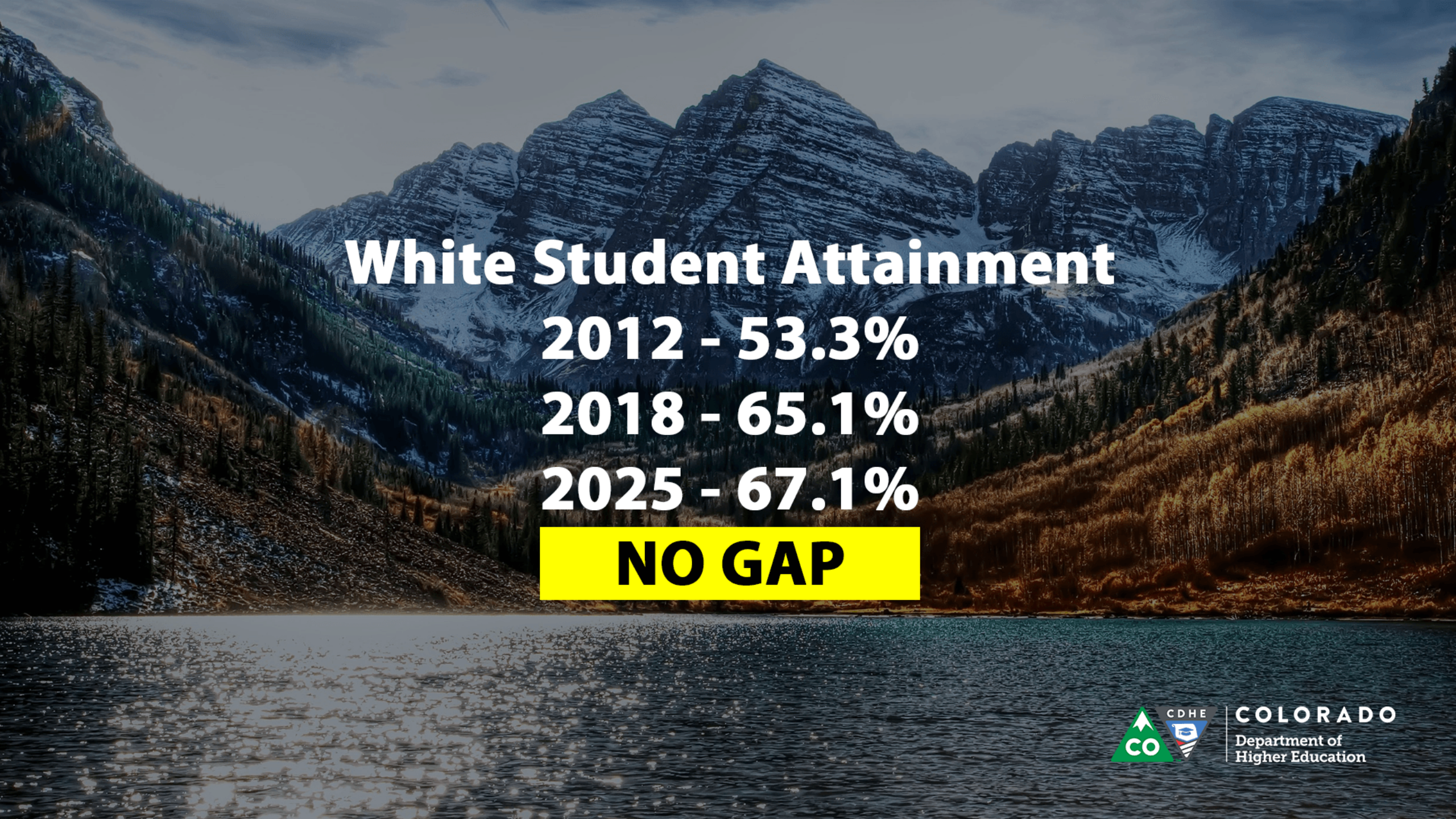
of adults in Colorado will earn a post-high school certificate or degree

http://masterplan.highered.colorado.gov/

COLORADO
Department of Higher Education

Percentage of adult population in Colorado with a degree or certificate

56.2%


White Student Attainment
2012 - 53.3%
2018 - 65.1%
2025 - 67.1%
NO GAP
CDHE
CO
COLORADO
Department of
Higher Education

Hispanic Attainment
2012 - 18.0%
2018 - 28.8%
2025 - 66.0%
GAP = 37.2%
African American Attainment
2012 - 32.2%
2018 - 45.0%
2025 - 66.0%
GAP = 21.0%
American Indian Attainment
2012 - 28.3%
2018 - 37.7%
2025 - 66.0%
GAP = 28.3%
CDHE
CO
COLORADO
Department of
Higher Education

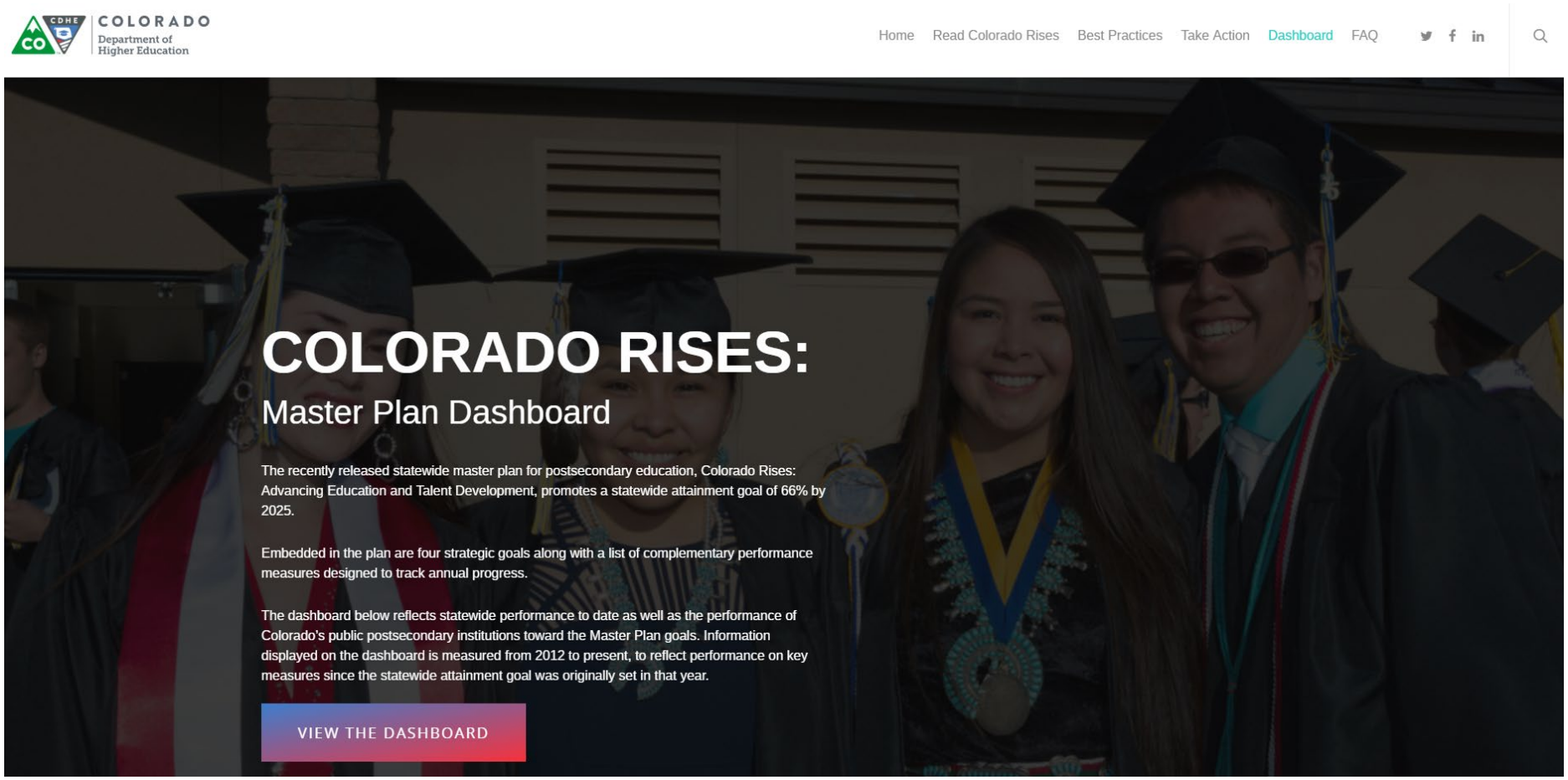
SB17-297
Revising Higher Education Performance Requirements

- The Department and IHEs shall **annually affirm the institutions' contribution** toward meeting master plan goals.
  - Institutional contribution toward master plan goals must be outlined in accordance with IHE's role and mission and include, at a minimum:
  - Increasing annual completions by **minority and low-income students**; and Improving **persistence and retention**.

- Institutional contributions shall be **measured using the data already submitted to SURDS**.

http://leg.colorado.gov/bills/sb17-297

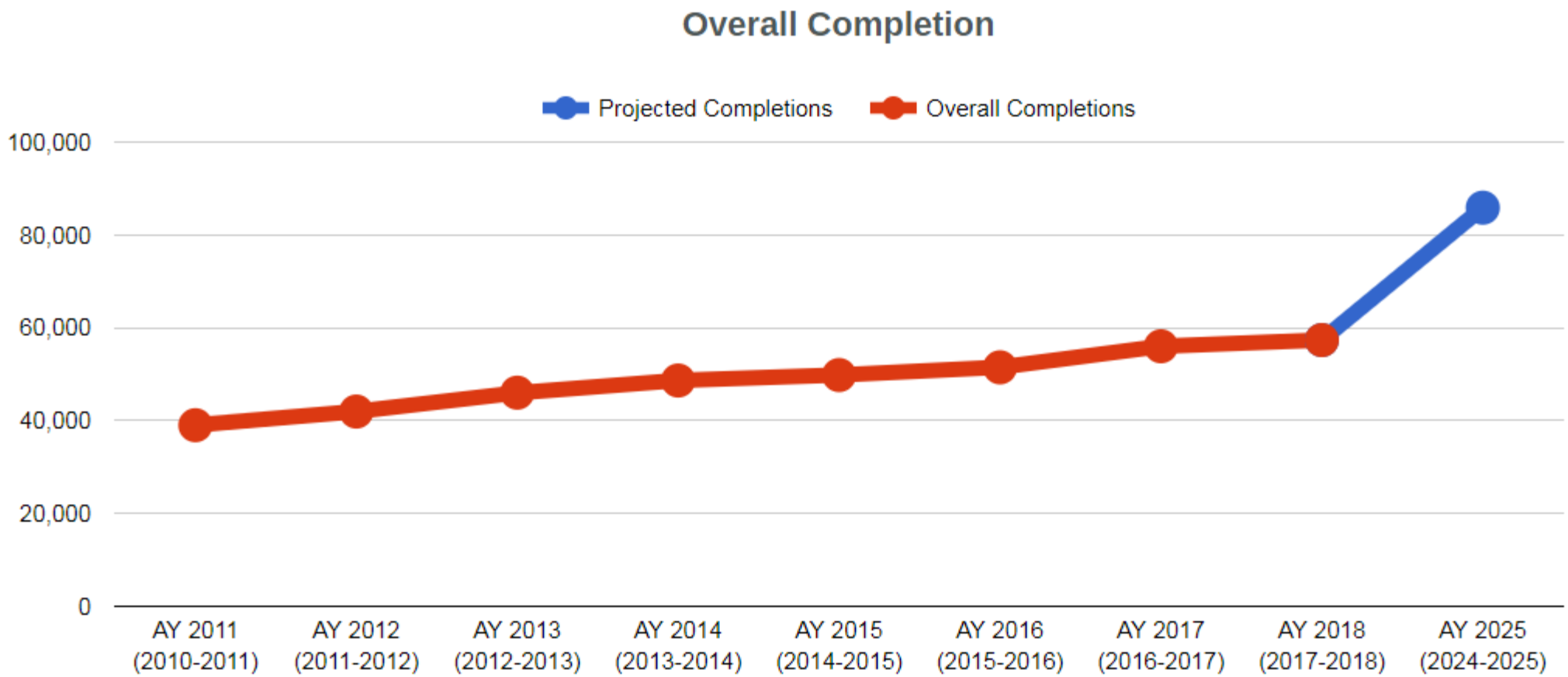
http://masterplan.highered.colorado.gov/dashboard/#masterplan



2017 Colorado Performance

Strategic Goal #1 Increase Credential Completion

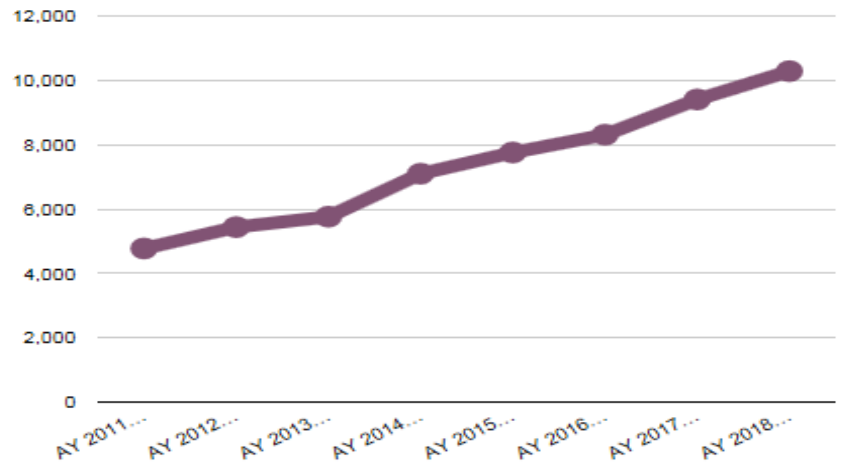
The first goal calls for Colorado to significantly increase the number of credentials that students earn over an eight-year period and increase credential completion for high-demand areas of STEM-educated workers and a growing shortage of educators. The chart shows total annual credentials earned by students at our public institutions.



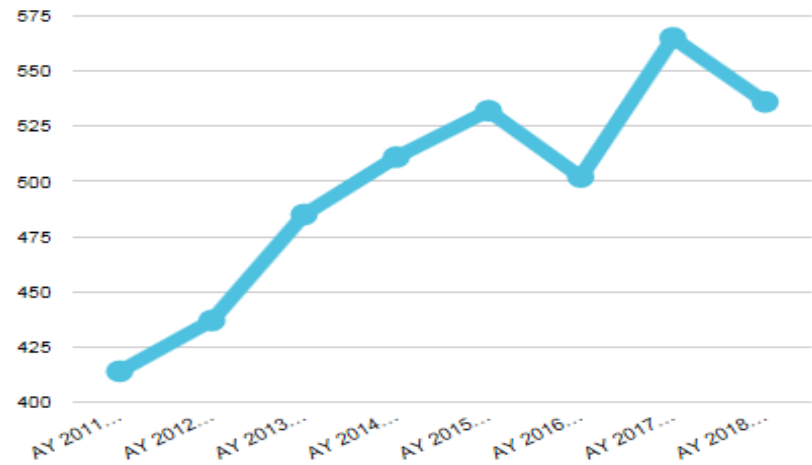
Strategic Goal #2 Erase Equity Gaps

Success in meeting the statewide goal of 66% hinges on improving all students completion in colleges, universities and other pathways in the state. However, Colorado will not meet the goal without an intentional focus on erasing equity gaps and accelerating minority completion. The following charts show annual credentials earned by Hispanic, African American and Native American students at our public institutions and area technical colleges.

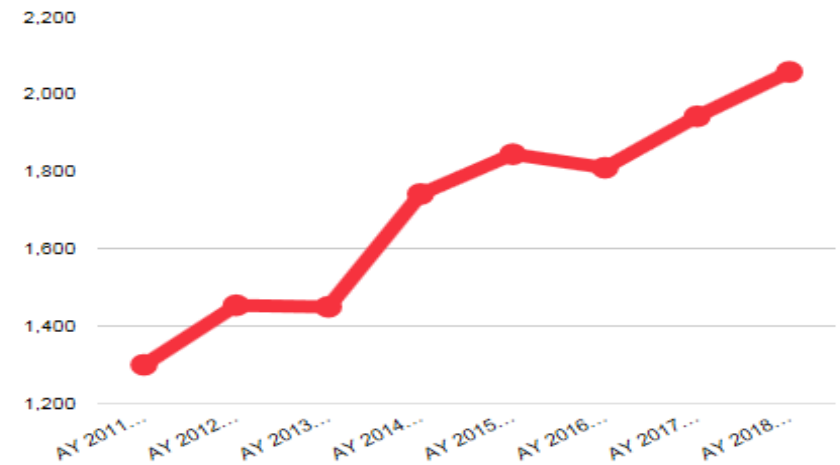
Equity Completions - Hispanic



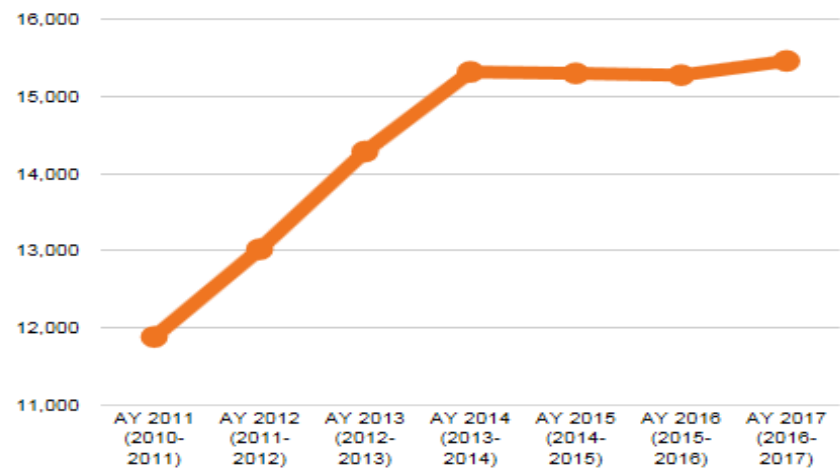
Equity Completions - Native American



Equity Completions - African American

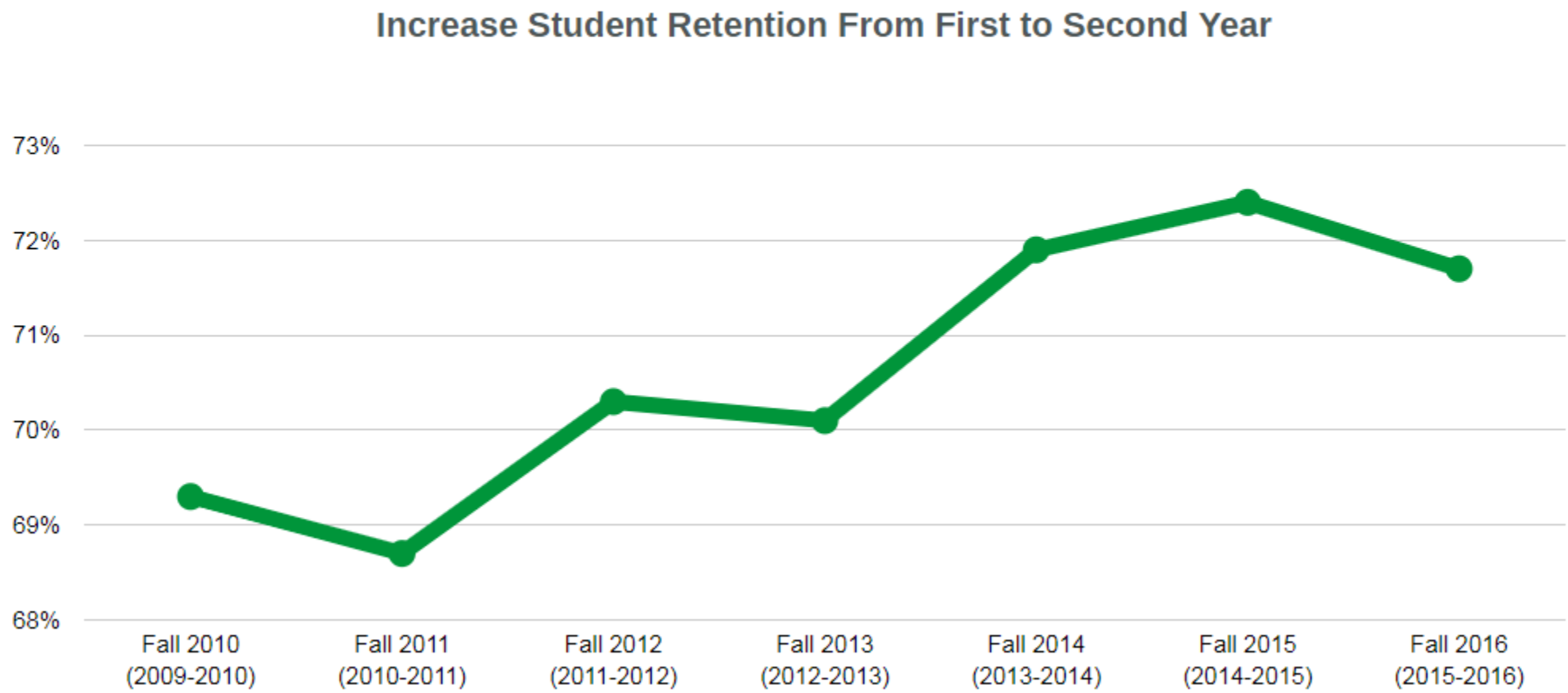


Pell Eligible
(2017 - 2018 Coming Soon)



Strategic Goal #3 Improve Student Success

The third goal promotes students' timely completion through new approaches and practices. The following chart shows the overall retention of students attending two-year and four-year institutions from year one to year two, an indication of student progress.



Strategic Goal #4 Invest in Affordability and Innovation

The fourth goal recognizes that meeting the first three goals will require increased investment in our public system of higher education. It also encourages our institutions to embrace new models that reduce costs and time-to-degree. The state's disinvestment over the past two decades has meant that students and families bear an increasing proportion of the cost of education. The graphs below show the completion rates of Pell eligible students and average debt of students graduating with debt in Colorado versus other states.

Colorado Debt Indicators

Colorado's Student Debt

Public 4-Year Institutions And Private Non-Profit 4-Year Institutions

Average Debt	Proportion with Debt Rank	Proportion with Debt	Average Debt Rank
$26,530.00	38	52%	36

Generated by wpDataTables

Source: Student Debt and the Class of 2017 – The Institute of College Access and Success

2017 Colorado Performance

The following dashboard data showcases the Colorado Department of Higher Education's commitment to transparency across institutions in accordance with SB17-297 and Colorado's Statewide Higher Education Master Plan. The following tables show the public institutions commitment to growth and alignment to the statewide Master Plan. The three following tables represent statewide, aggregated targets and aspirational goals for completion, equity completion and retention. The searchable table/dashboard shows completions by institution and by the target racial/ethnic groups. Data have been validated by each Governing Board and as reported to the state's Student Unit Record Data System (SURDS) and the federal Integrated Postsecondary Education Data System (IPEDS).

Print Excel CSV Copy

	2016 - 2017 Annual Production	Current Performance Target	Current Aspirational Goal
Increase Credential Completions	56,019	56,815 (+756)	58,360 (+2,341)

Generated by wpDataTables

Print Excel CSV Copy

	2016 - 2017 Annual Production	Current Performance Target	Current Aspirational Goal
African American Student Completion	1,942	2,014 (+72)	2,096 (+154)
Hispanic Student Completion	9,402	9,843 (+441)	10,131 (+729)
Native American Student Completion	565	528 (-37)	590 (+25)
Pell Eligible Student Completion	15,452	17,270 (+1,818)	17,767 (+2,315)

Generated by wpDataTables

Print Excel CSV Copy

	Fall 2016	Fall 2017 Current Performance Target	Fall 2017 Aspirational Goal
Increase Student Retention	71.70%	1% to 2%	2% to 3%

ECONorthwest Attainment Predictive Modeling

Utilizing Colorado's student unit level data, demographic trends and other assumptions, ECONorthwest produced two models:

1. Attainment Model
2. Scenario Model

Thanks to generous support from Lumina Foundation's Talent, Innovation and Equity grant!

SCENARIO MODEL

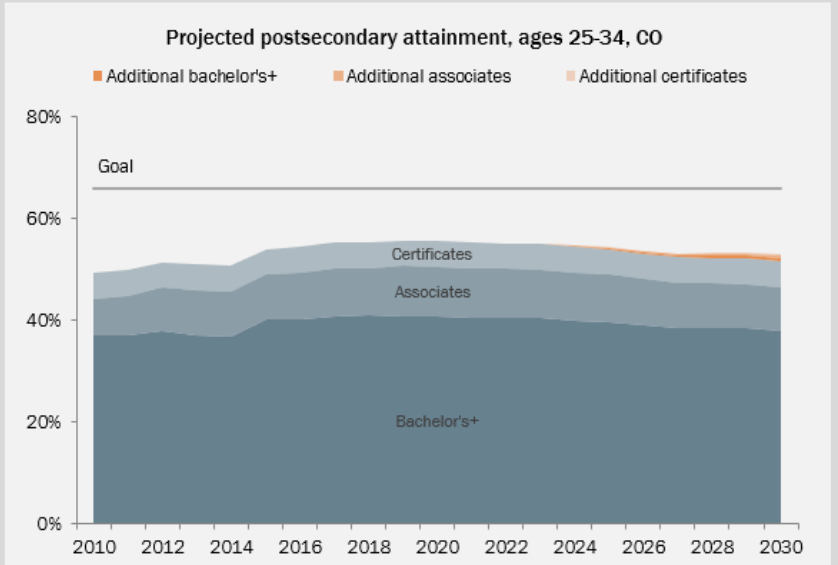
Colorado postsecondary model

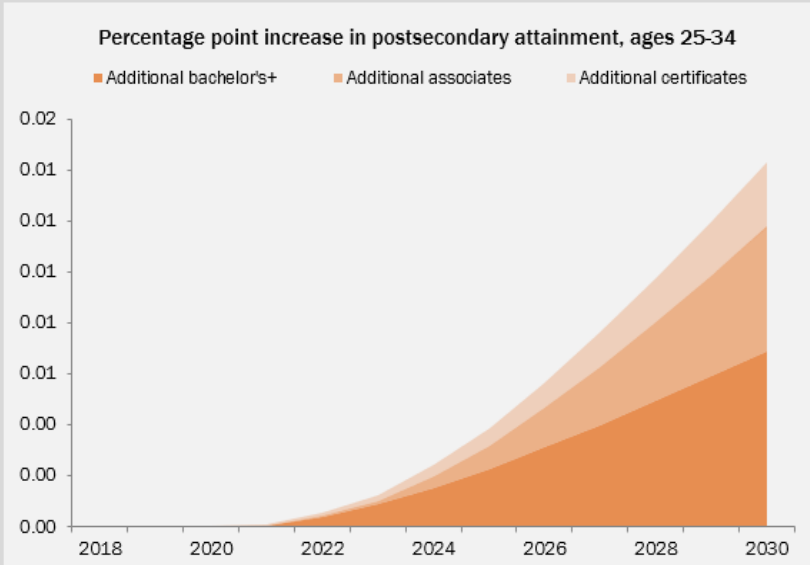
Controls

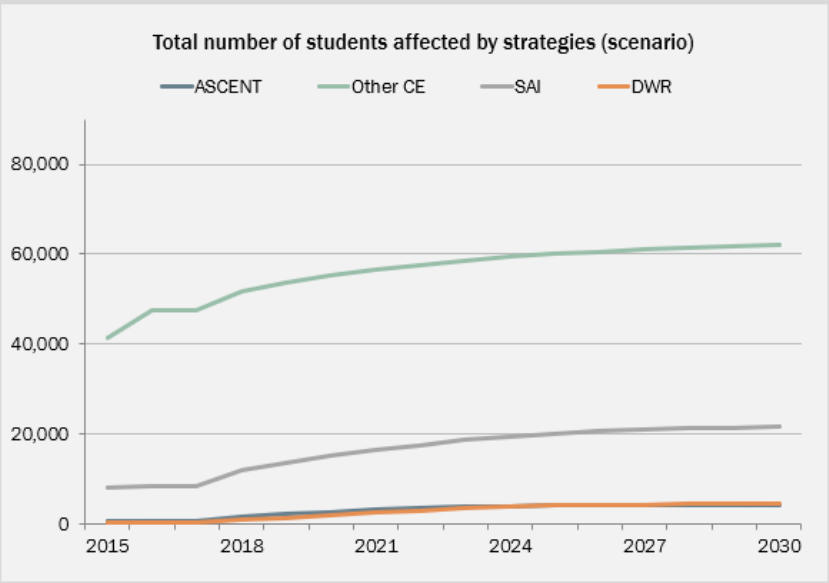
Postsecondary attainment goal (ages 25-34): 66%

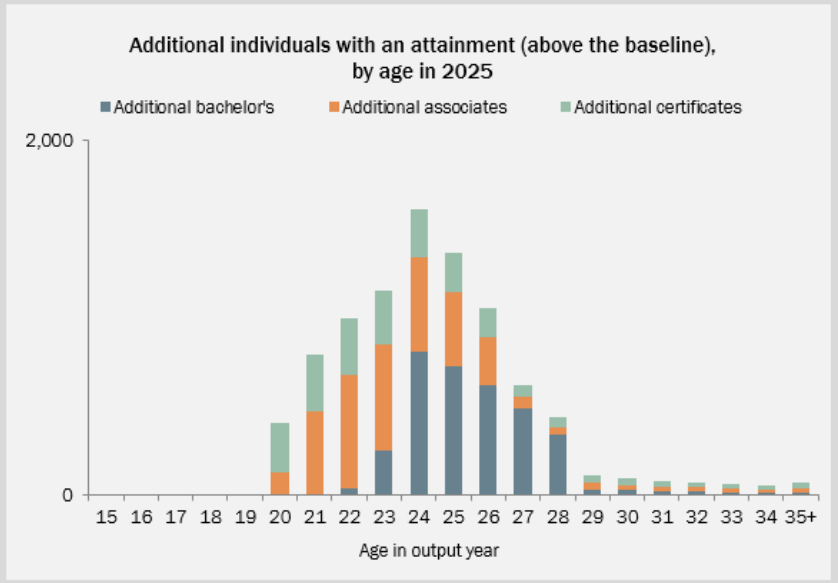
Output year: 2025

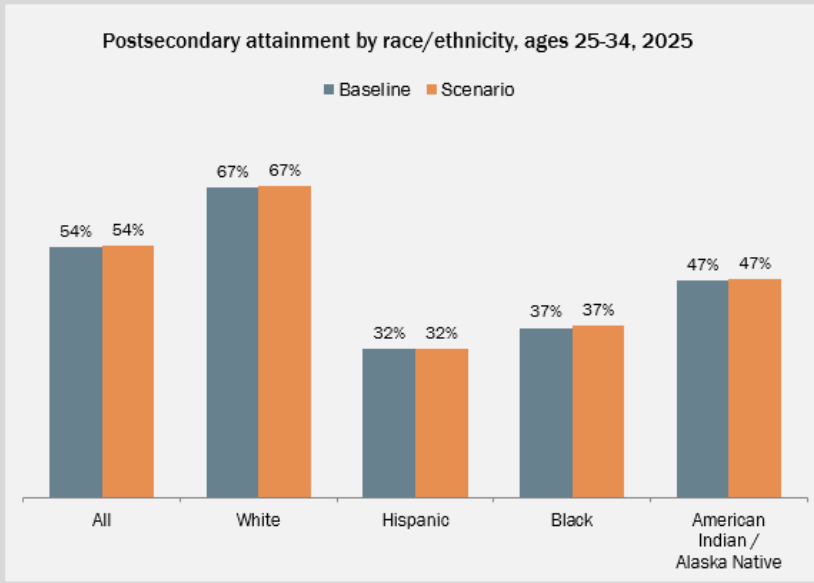
Strategies	Target implementation	Target year
☑ ASCENT	4,000	2025
☑ Other concurrent enrollment	60,000	2025
☑ Supplemental Academic Instruction	20,000	2025
☑ Degree Within Reach	4,000	2025











Documentation | Dashboard | Lists and parameters

Q & A

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#CORises