Translating ambitious goals into local action

September 27, 2018
Translating the goal: Potential audiences

State policymakers

University leadership; other high-level public and private sector decision-makers

Program staff, workforce boards, and other system stakeholders/partners

Interested general public
Making a broad state goal actionable

Broad state goals (e.g., 60% attainment rate for 25-64 year olds)

State goals disaggregated by
- Race/ethnicity
- Gender
- Age
- Income
- Credential type

Population and subpopulation goals disaggregated by
- Region
- Institution
- ???

Regional goals and/or site goals
State-level goals versus current state-level attainment

State postsecondary attainment goals and actual attainment, 2016

Sources: Goals compiled by the Lumina Foundation (HCM Strategists, Strategy Labs); ECONorthwest analysis of ACS PUMS data; Georgetown CEW.
Gaps between state-level goals and current state-level attainment (percentage points)

Legend:
- Certificate+
- Associate+
- Bachelor's+

Sources: Goals compiled by the Lumina Foundation (HCM Strategists, Strategy Labs); ECONorthwest analysis of ACS PUMS data; Georgetown CEW.
Evaluating the overall ambition: age, migration, and past performance
U.S. postsecondary attainment (associate+) by age, 2016

Source: ECONorthwest analysis of ACS PUMS
U.S. postsecondary attainment (associate+) by age, 2016

Source: ECONorthwest analysis of ACS PUMS
Postsecondary attainment by age (state of residence), average of 2013-15

Source: ECONorthwest analysis of ACS PUMS
Postsecondary attainment by age (state of birth), average of 2013-15

Source: ECONorthwest analysis of ACS PUMS
Population with associate degree or better by age and year, Oregon

Source: ECONorthwest analysis of ACS PUMS
What’s feasible?
Percentage point change in attainment (associate+) by state, 2006-2016, ages 25-64

Source: ECONorthwest analysis of ACS PUMS
What’s feasible?
Percentage point change in attainment (associate+) by state, 2006-2016, ages 25-34

Source: ECONorthwest analysis of ACS PUMS
What’s feasible?
Percentage point change in attainment (associate+) by state, 2006-2016, ages 35-64

Source: ECONorthwest analysis of ACS PUMS
Distribution of states’ average annual percentage point growth in attainment (associate+, ages 25-34), 2006-2016

Average annual associate+ growth needed for state to reach proposed goals

(60% in 2030) (65% in 2035) (65% in 2030)

Data source: ACS PUMS
Filling the pipeline
Postsecondary enrollment by age, U.S., 2016

Source: ECONorthwest analysis of ACS PUMS
Age 19 enrollment versus age 26 attainment for the cohorts born in 1988-90 (averaged), by state

Source: ECONorthwest analysis of ACS PUMS
The Education Pathway

Where students in the public high school class of 2006* went by age 25

*Sophomores in 2003-04

41,655 sophomores
74% graduated from high-school in Oregon
68% started post-secondary education
29% enrolled in 4-year institution
22% 4-year degree
4% 2-year degree
1% certificate
39% enrolled in 2-year institution
49% high school diploma
16% graduated high school but went no further
25% no known credential

27% received postsecondary credential by age 25
Equity goals
Postsecondary attainment (AA+) by age and race/ethnicity, U.S., 2016

Source: ECONorthwest analysis of ACS PUMS
Postsecondary enrollment by age and race/ethnicity, U.S., 2016

Source: ECONorthwest analysis of ACS PUMS
The Education Pathway
Where students in the public high school class of 2006* went by age 25
*Sophomores in 2003-04

- **41,655 sophomores**
- **74%** graduated from high-school in Oregon
- **68%** started post-secondary education
- **29%** enrolled in 4-year institution
- **22%** 4-year degree
- **4%** 2-year degree
- **1%** certificate
- **39%** enrolled in 2-year institution
- **49%** high school diploma
- **16%** graduated high school but went no further
- **25%** no known credential
- **27%** received postsecondary credential by age 25
The Education Pathway

Where students in the public high school class of 2006* went by age 25

*Sophomores in 2003-04

- Gender: All
- Ethnicity: All
- Income Level: Non-Low Income
- School District: All
- High School: All

- 28,440 sophomores
- 80% graduated from high-school in Oregon
- 75% started post-secondary education

36% enrolled in 4-year institution
- 28% 4-year degree
- 5% 2-year degree
- 1% certificate

39% enrolled in 2-year institution
- 47% high school diploma

13% graduated high school but went no further

19% no known credential
The Education Pathway

Where students in the public high school class of 2006* went by age 25

*Sophomores in 2003-04

- 13,104 sophomores
- 63% graduated from high-school in Oregon
- 54% started post-secondary education
- 12% received postsecondary credential by age 25
- 14% enrolled in 4-year institution
  - 8% 4-year degree
  - 4% 2-year degree
  - 1% certificate
- 40% enrolled in 2-year institution
- 21% graduated high school but went no further
- 52% high school diploma
- 36% no known credential
The Education Pathway

Where students in the public high school class of 2006* went by age 25

*Sophomores in 2003-04

1,075 sophomores

61% graduated from high-school in Oregon

68% started post-secondary education

23% enrolled in 4-year institution

12% 4-year degree

3% 2-year degree

< 1% certificate

45% enrolled in 2-year institution

47% high school diploma

9% graduated high school but went no further

38% no known credential

14% received postsecondary credential by age 25

Gender *

All

Ethnicity *

African American

Income Level *

All

School District

All

High School

All
The Education Pathway

Where students in the public high school class of 2006* went by age 25

*Sophomores in 2003-04

- **Gender**: All
- **Ethnicity**: Latino
- **Income Level**: All
- **School District**: All
- **High School**: All

- 4,197 sophomores
- 65% graduated from high-school in Oregon
- 48% started post-secondary education
- 11% received postsecondary credential by age 25

- 13% enrolled in 4-year institution
- 7% 4-year degree
- 3% 2-year degree
- 1% certificate

- 35% enrolled in 2-year institution
- 55% high school diploma
- 25% graduated high school but went no further
- 34% no known credential

- **4-year degree**: Green
- **High school diploma**: Brown
- **2-year degree**: Orange
- **No known credential**: Gray
Filling the pipeline: equity considerations
### Credential attainment rates by college readiness and income level

<table>
<thead>
<tr>
<th></th>
<th>Low income</th>
<th>Not low income</th>
</tr>
</thead>
<tbody>
<tr>
<td>College-ready</td>
<td>52%</td>
<td>69%</td>
</tr>
<tr>
<td>Nearly college-ready</td>
<td>41%</td>
<td>50%</td>
</tr>
<tr>
<td>Under-prepared</td>
<td>28%</td>
<td>38%</td>
</tr>
</tbody>
</table>
Credential attainment rates by family income, race/ethnicity, and college readiness

Source: ECONorthwest analysis of ELS:2002 extract provided by CEW, outcomes as of 2012 (age 26)
19-year-old cohort (000s), by family income, race/ethnicity, and college readiness

Source: ECONorthwest analysis of ELS:2002 extract provided by CEW, outcomes as of 2012 (age 26); Census population baseline (2017)
Measuring the gap: Counting the number of additional credentials required to increase attainment rates within each college-readiness category to non-low-income-white rates.

Source: ECONorthwest analysis of ELS:2002 extract provided by CEW, outcomes as of 2012 (age 26)
Additional credential holders (000s) if attainment rates increased to non-low-income-white attainment rates within college readiness categories

Source: ECONorthwest analysis of ELS:2002 extract provided by CEW, outcomes as of 2012 (age 26); Census population baseline (2017)
Cohort credential attainment rates if attainment rates increased to non-low-income-white attainment rates within college readiness categories

Source: ECONorthwest analysis of ELS:2002 extract provided by CEW, outcomes as of 2012 (age 26); Census population baseline (2017)
Local targets
Share of 12th grade students expected to graduate on time who completed the FAFSA by June 30, 2017

Educational attainment and access to postsecondary institutions

State-level map

State

- Colorado

Map shows educational attainment rates for selected population.

Postsecondary enrollment

- Enrolled
- Not enrolled

Highest educational attainment

- Less than high school
- High school or GED diploma
- Some college
- Associate
- Bachelor’s
- Graduate

Selected population

Age group

- 18-24
- 25-34
- 35-44
- 45-54
- 55-64

Attainment as a share of selected population

- 0%
- 20%
- 40%
- 60%
- 80%
- 100%
Number labels identify the number of additional high school graduates that would need to enroll within one year of expected high school graduation to meet a preliminary goal of 75th percentile of “effort”.

Postsecondary enrollment within one year of expected high school graduation
Class of 2014, Multnomah County

77%

35%
Example approaches to target setting

- Targets based on relationships between outcomes (e.g., enrollment → attainment)
- Absolute: 75th percentile relative to a comparison group (states, institutions, etc.)
- Closing existing gaps
- Relative: 75th percentile adjusted for income or other variables (predictive model)
- Targets based on modeled trajectories to the goal, using student- or institution-level data