The Path to 40-40-20

Presented to the Oregon Education Investment Board

May 2012

ECONorthwest

Where is Oregon on the path to 40-40-20?

1. *What do we know about the graduating class of 2011 when they were 5th graders?*
2. *How do 5th graders in 2011 compare?*
3. *How many in-migrants will arrive in the coming years and how will they perform?*
4. *How will changes in educational delivery and funding affect outcomes in the future?*

The 2011 graduating class was in 5th grade in 2004

Consider a Hispanic female in 5th grade in 2004 who…

- Just met math and reading OAKS benchmarks
- Was identified as economically disadvantaged
- And was otherwise a typical student

Her odds of on-time graduation:

Low-performing district	Statewide average	High-performing district
67%	72%	75%

Repeat for all students…

Some districts beat the odds. Others don't.

District A 5th grade profile	
	Class of 2011
Cohort size	~300
Math	220
Reading	221
% FRL	51
% non-white	49
Predicted on-time graduation:	**56%**
Actual on-time graduation:	**66%**

Increase 5th grade OAKS performance

Baseline assumptions

Statewide average

72%

OAKS scores 4 RIT points higher in math and reading

77%

Repeat for all students…

Some districts have demonstrated above-average gains in OAKS performance.

District B 5th grade profile		
	Class of 2011	Class of 2018
Cohort size	~450	~450
Math	218	225
Reading	218	224
% FRL	59	60
% non-white	47	51
On-time graduation:	**72% (actual)**	**78% (predicted)**

Anticipated high school completion

Class of 2011	Class of 2018
On-time: 67%	On-time: 70%
Other completers: 15%	Other completers: 14%
Total completers:	Total completers:
82%	**84%**

Summary

The analysis:

- Uses data to predict future outcomes
- Can identify districts that “beat the odds”
- Can improve goal-setting statewide for:
  - multiple indicators
  - individual districts
  - student subgroups
  - over different time horizons