

# Lunch & Learn

## Education Data Quick Tips



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# Overview

- Guidelines for digesting data.
- Discuss some education measures.
- Maybe get a story out of the data.

# Data Interpretation Tips

- Start with the labels.
- Pay attention to the units.
- Look for trends.
- What story are the data telling?

# Higher Education Attainment

## Includes:

- Bachelor's degree
- Master's degree
- Professional degree
- Doctorate degree

$$\% \text{ Adults with 4yr degree or greater} = \frac{\text{Number of adults with 4yr degree} +}{\text{Population 25 years and over}} \times 100$$

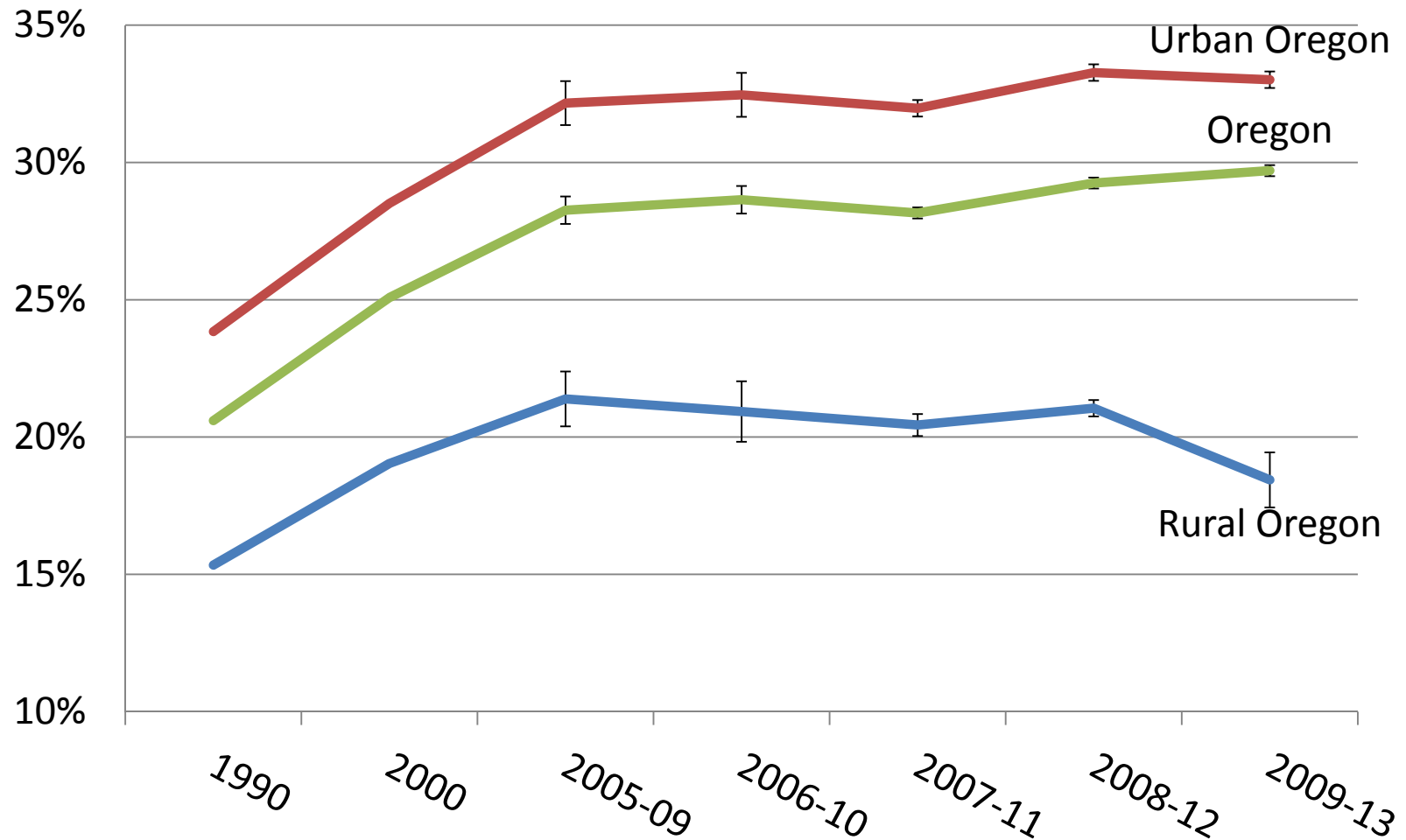
## Includes:

- Households
- Group quarters



## Percentage of Adults with 4-year Degree or Greater

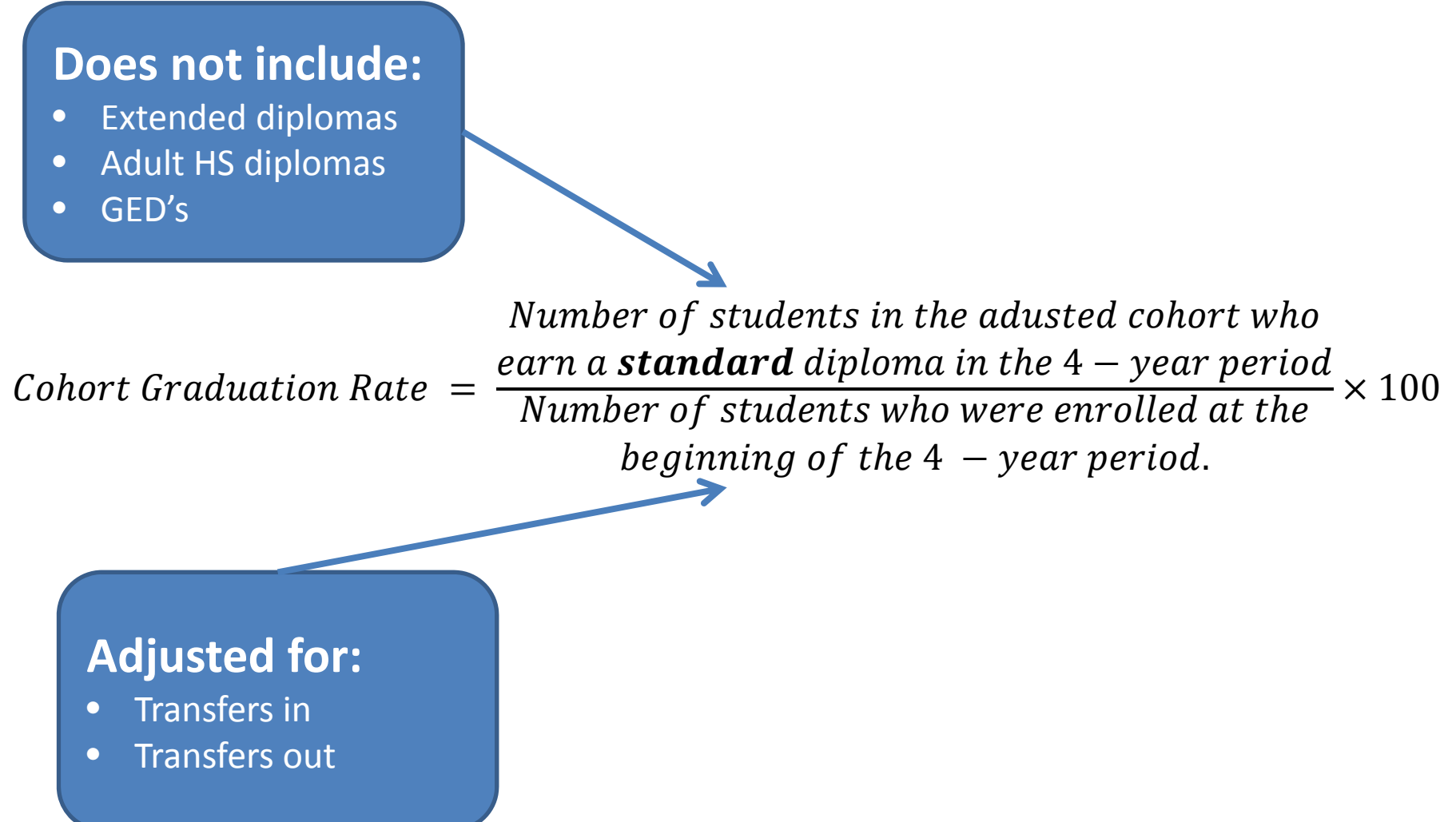
Source: Decennial Census and American Community Survey (bars indicate margin of error)



# Cohort Graduation Rate

## Does not include:

- Extended diplomas
- Adult HS diplomas
- GED's

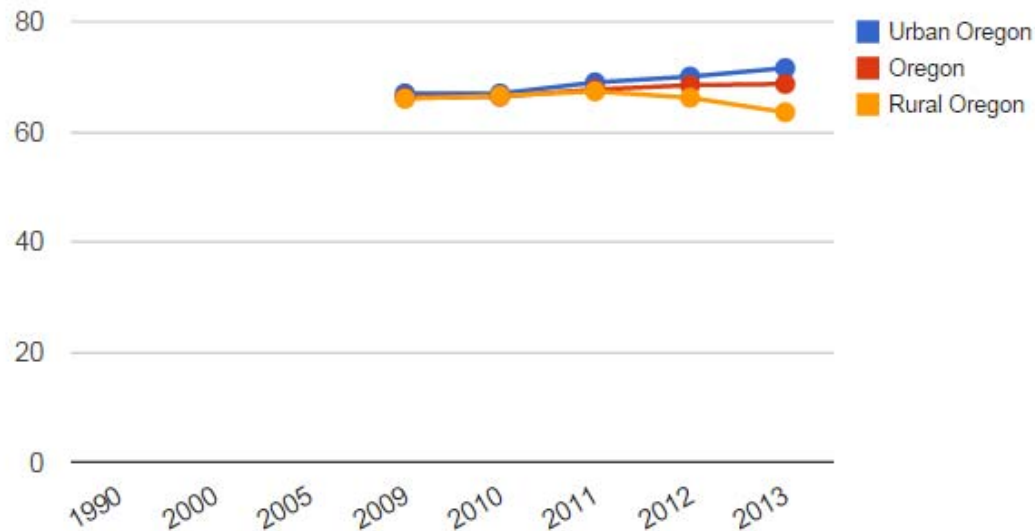

$$\text{Cohort Graduation Rate} = \frac{\text{Number of students in the adjusted cohort who earn a **standard** diploma in the 4 – year period}}{\text{Number of students who were enrolled at the beginning of the 4 – year period.}} \times 100$$

## Adjusted for:

- Transfers in
- Transfers out

## High School Graduation Rate: Four Year Cohort

### Four-year graduation rate for All Students



### High School Graduation Rate: Four Year Cohort

Four-year graduation rate for All Students

#### \*\*\* COUNTY LEVEL DATA \*\*\*

In 2009 Oregon began calculating graduation rates in cohorts as specified in the No Child Left Behind law. The cohort graduation rate is the percentage of students in cohort who graduate within particular time frame such as four or five years. State total may not equal county total due ODE reporting methods. A data point that has — indicates either no data available for that year, or no students of that racial or ethnic group were enrolled.

**Formula:**  $\frac{(\text{total in cohort receiving diploma})}{(\text{total in adjusted cohort})} \times 100$

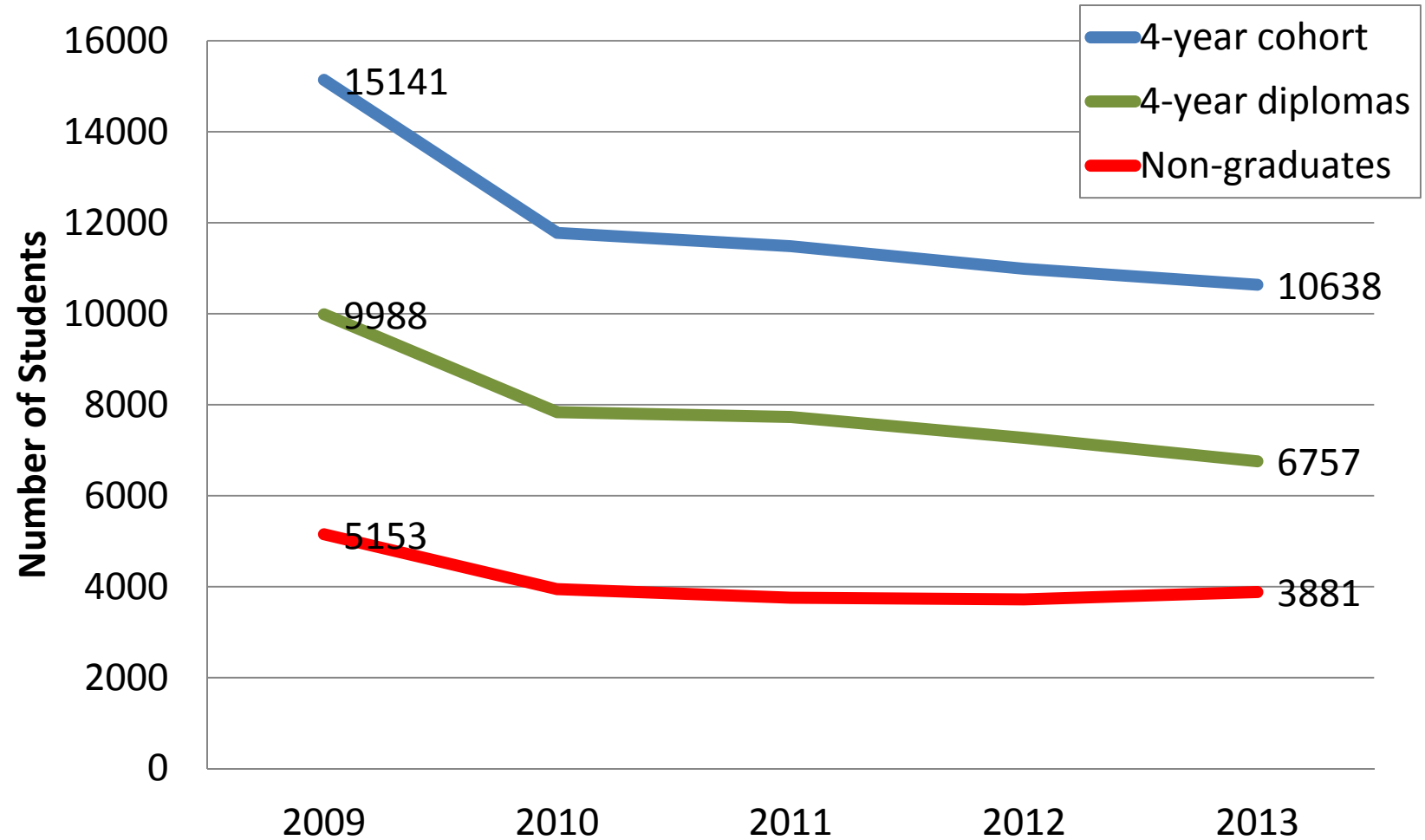
**Source:** Oregon Department of Education

	1990	2000	2005	2009	2010	2011	2012	2013
<input checked="" type="checkbox"/> Rural Oregon	—	—	—	65.97%	66.52%	67.31%	66.16%	63.52%
<input checked="" type="checkbox"/> Urban Oregon	—	—	—	66.94%	66.93%	68.94%	70.00%	71.54%
<input checked="" type="checkbox"/> Oregon	—	—	—	66.19%	66.38%	67.65%	68.44%	68.66%

<http://oe.oregonexplorer.info/rural/OregonCommunitiesReporter>

## Rural Oregon: Count of 4-year cohort and students receiving diplomas

Source: Oregon Dept. of Education





# Dropout Rate

## Does not include:

- Deceased
- Home schooled
- Alternative/hospital programs
- Juvenile detention
- Foreign exchange
- Discipline related
- Health/Family emergency
- GED/Alt. Diploma at CC

$$\text{Dropout Rate} = \frac{\text{Number of dropouts for grades 9 – 12}}{\text{October 1 Enrollment for grades 9 – 12}} \times 100$$

## Includes:

- 5<sup>th</sup> year seniors
- Students in alternative programs

# High School Dropout Rate

## Dropout Rate for all students



### High School Dropout Rate

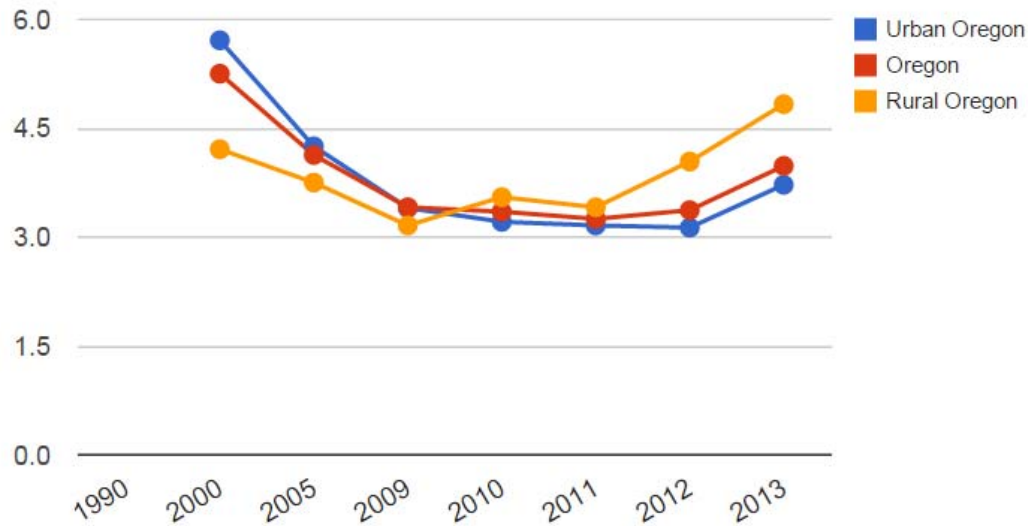
#### Dropout Rate for all students

#### \*\*\* COUNTY LEVEL DATA \*\*\*

The percent of students who withdrew from school and did not graduate or transfer to another school that leads to graduation. Oregon rates are single year; California are cohort dropout rates. A data point that has -- indicates either no data available for that year, or no students of that racial or ethnic group were enrolled.

**Formula:**  $(\text{total \# of drop outs} / \text{total \# enrolled as of October 1}) * 100$

**Source:** Oregon and California Departments of Education (2008 data used for 2009)



	1990	2000	2005	2009	2010	2011	2012	2013
<input checked="" type="checkbox"/> Rural Oregon	--	4.21%	3.75%	3.16%	3.55%	3.41%	4.04%	4.83%
<input checked="" type="checkbox"/> Urban Oregon	--	5.71%	4.25%	3.40%	3.21%	3.16%	3.13%	3.72%
<input checked="" type="checkbox"/> Oregon	--	5.25%	4.13%	3.41%	3.35%	3.25%	3.37%	3.98%

<http://oe.oregonexplorer.info/rural/OregonCommunitiesReporter>

# Synthesis

- Is there a story here?
- What other information is needed?
- Implications?



# Rural Communities Explorer

[www.oregonexplorer.info/rural](http://www.oregonexplorer.info/rural)



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