

Oregon Population Forecast Program

Regional Forecast Meeting – March 14, 2017

Preliminary Coordinated Forecasts for
Clackamas County, its Urban Growth Boundaries
(UGBs), and the Area Outside UGBs

Oregon Population Forecast Program Project Team

Jason R. Jurjevich,

*Assistant Director
Population Research Center & Acting
Program Manager*

Nick Chun,

Population Forecast Program Analyst

Julia Michel,

Graduate Research Assistant

Deborah Loftus,

Administrative Assistant

Risa S. Proehl,

Population Estimates Program Manager

Kevin Rancik,

GIS and Research Analyst

Charles Rynerson,

Census State Data Center Coordinator

Matt Harada,

Undergraduate Research Assistant

Randy Morris,

Research Analyst

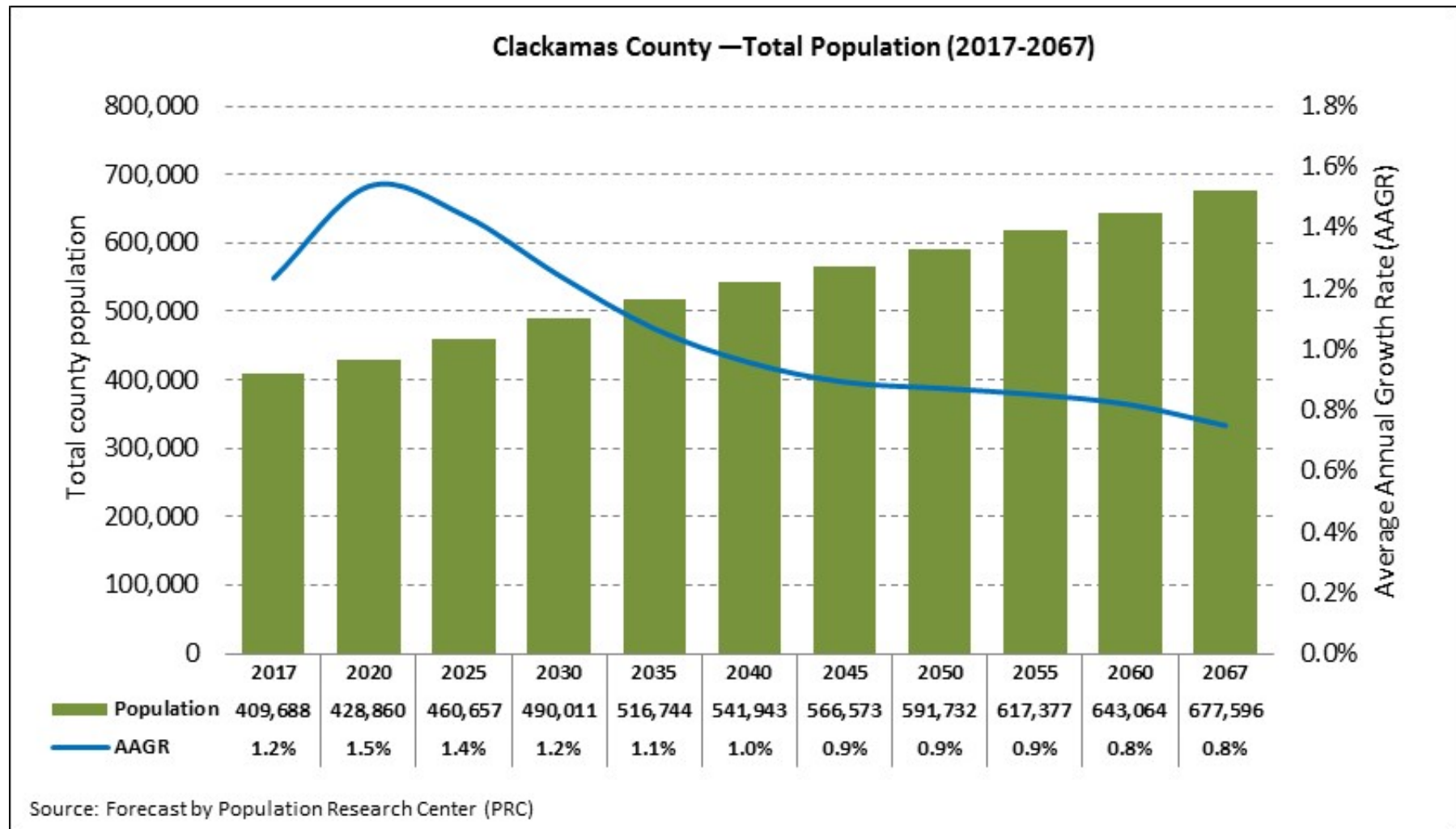
Agenda

- Present and discuss preliminary forecast results
 - Proposed Forecasts by March 31st, 2017; Posted on Oregon Population Forecast Program (OPFP) website:
<http://www.pdx.edu/prc/opfp>
- Explain our assumptions for future change
- Obtain your feedback

Assumptions for County and Larger Sub-Area Forecasts

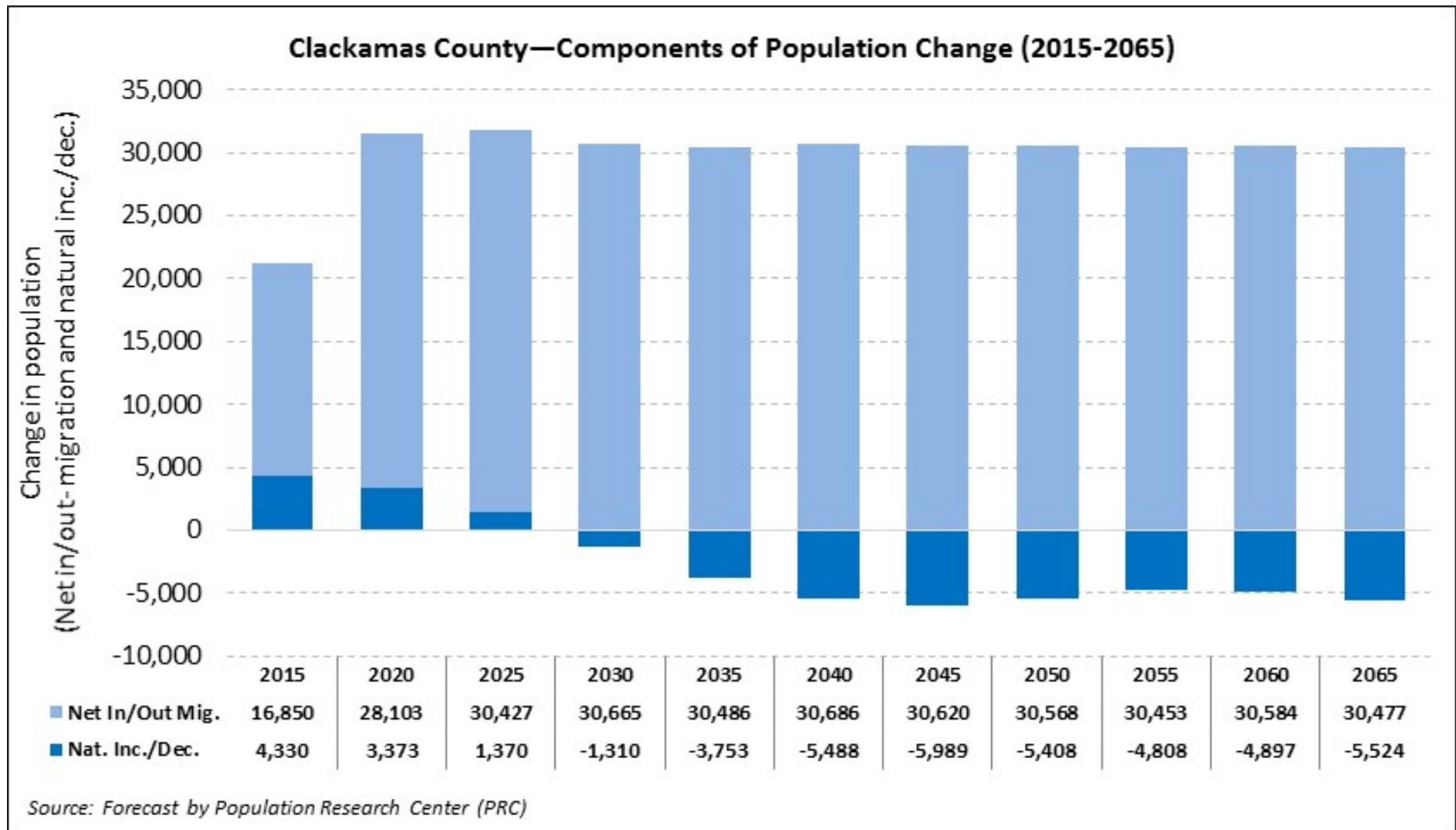
1. In general, as the economy continues to strengthen we assume an increase in net in-migration and a corresponding growth in housing construction.
 - a) Despite some historical slight net out-migration, recent net in-migration will accelerate in the nearer-term and then stabilize.
 - b) Net in-migration will occur over the entire forecast horizon.
2. We incorporate national trends into our assumptions for fertility and mortality rates.
 - a) As a result of aging Baby Boomers, deaths increase and peak in 2040, with total deaths tapering through 2050.
 - b) Total fertility rates decline throughout the entire forecast period.
 - c) As a result the County will experience a growing natural decrease.
3. Population increases will become more dependent on net in-migration.

Preliminary Forecast Results



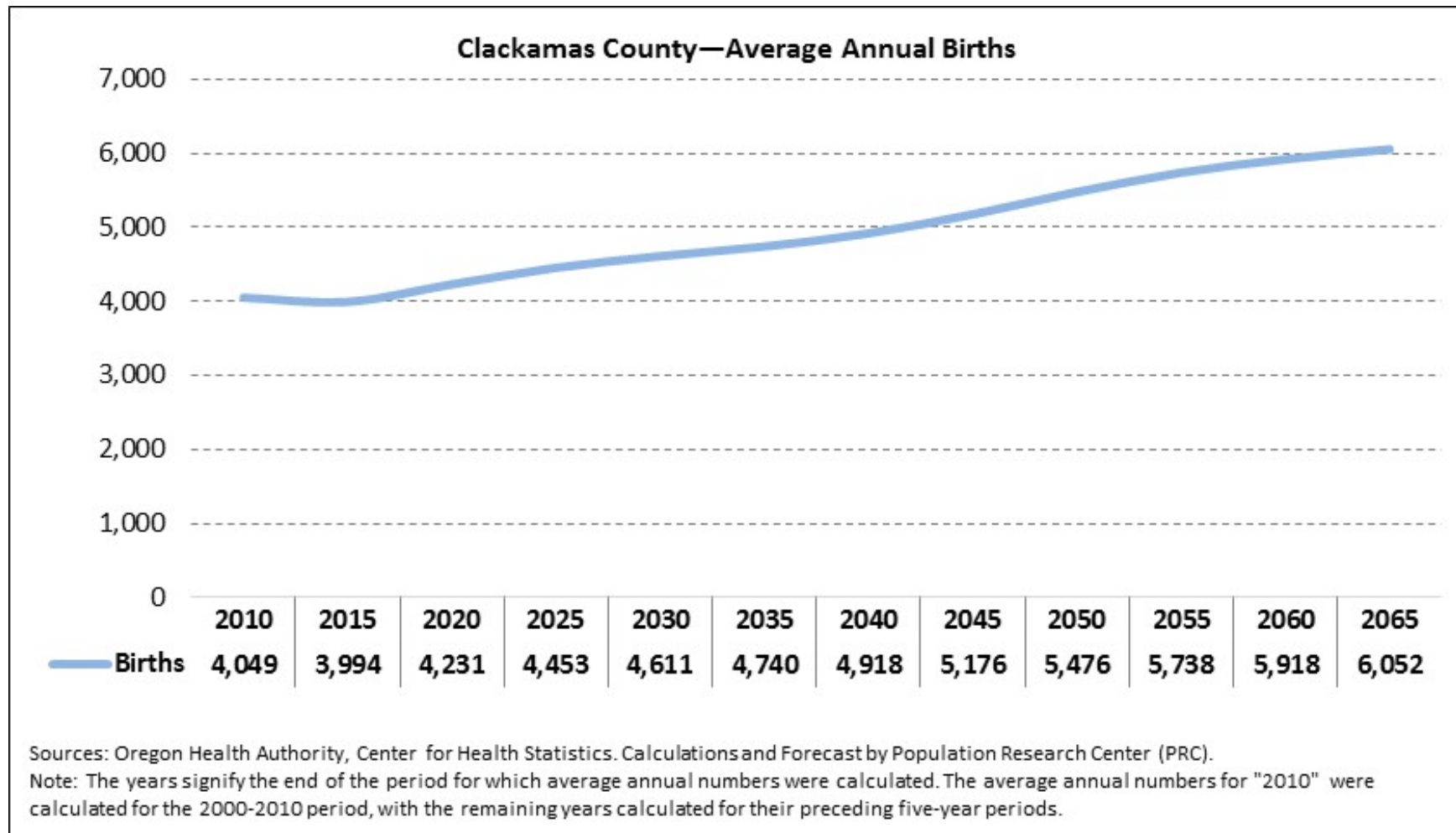
These numbers represent **Preliminary** Forecast Results

Preliminary Forecast Results



These numbers represent **Preliminary** Forecast Results

Historical and Forecast Trends



These numbers represent **Preliminary** Forecast Results

Additional Historical Trends

Clackamas County—Hispanic or Latino and Race (2000 and 2010)

Hispanic or Latino and Race	2000		2010		Absolute Change	Relative Change
<i>Total population</i>	338,391	100.0%	375,992	100.0%	37,601	11.1%
Hispanic or Latino	16,744	4.9%	29,138	7.7%	12,394	74.0%
Not Hispanic or Latino	321,647	95.1%	346,854	92.3%	25,207	7.8%
White alone	301,548	89.1%	317,648	84.5%	16,100	5.3%
Black or African American alone	2,056	0.6%	2,761	0.7%	705	34.3%
American Indian and Alaska Native alone	2,090	0.6%	2,340	0.6%	250	12.0%
Asian alone	8,216	2.4%	13,575	3.6%	5,359	65.2%
Native Hawaiian and Other Pacific Islander alone	521	0.2%	815	0.2%	294	56.4%
Some Other Race alone	317	0.1%	438	0.1%	121	38.2%
Two or More Races	6,899	2.0%	9,277	2.5%	2,378	34.5%

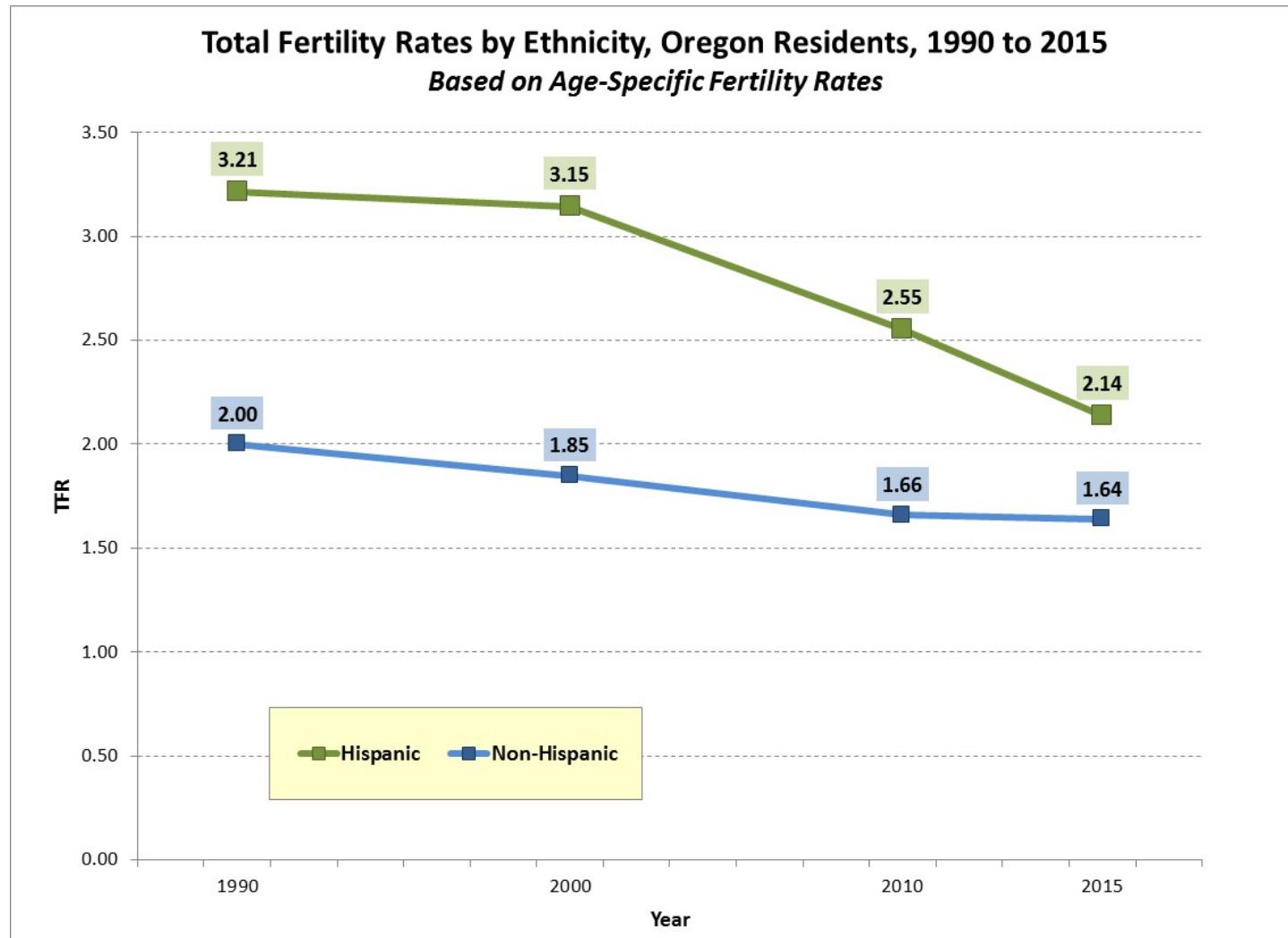
Sources: U.S. Census Bureau, 2000 and 2010 Censuses.

Total Fertility Rate (TFR)

	2000	2010	2015	2035	2065
Clackamas County	2.02	1.80	1.74	1.81	1.77
Oregon	1.98	1.80	1.83	1.78	1.73

Sources: U.S. Census Bureau, 2000 and 2010 Censuses. Oregon Health Authority, Center for Health Statistics. Calculations and Forecast by Population Research Center (PRC).

Historical and Forecast Trends

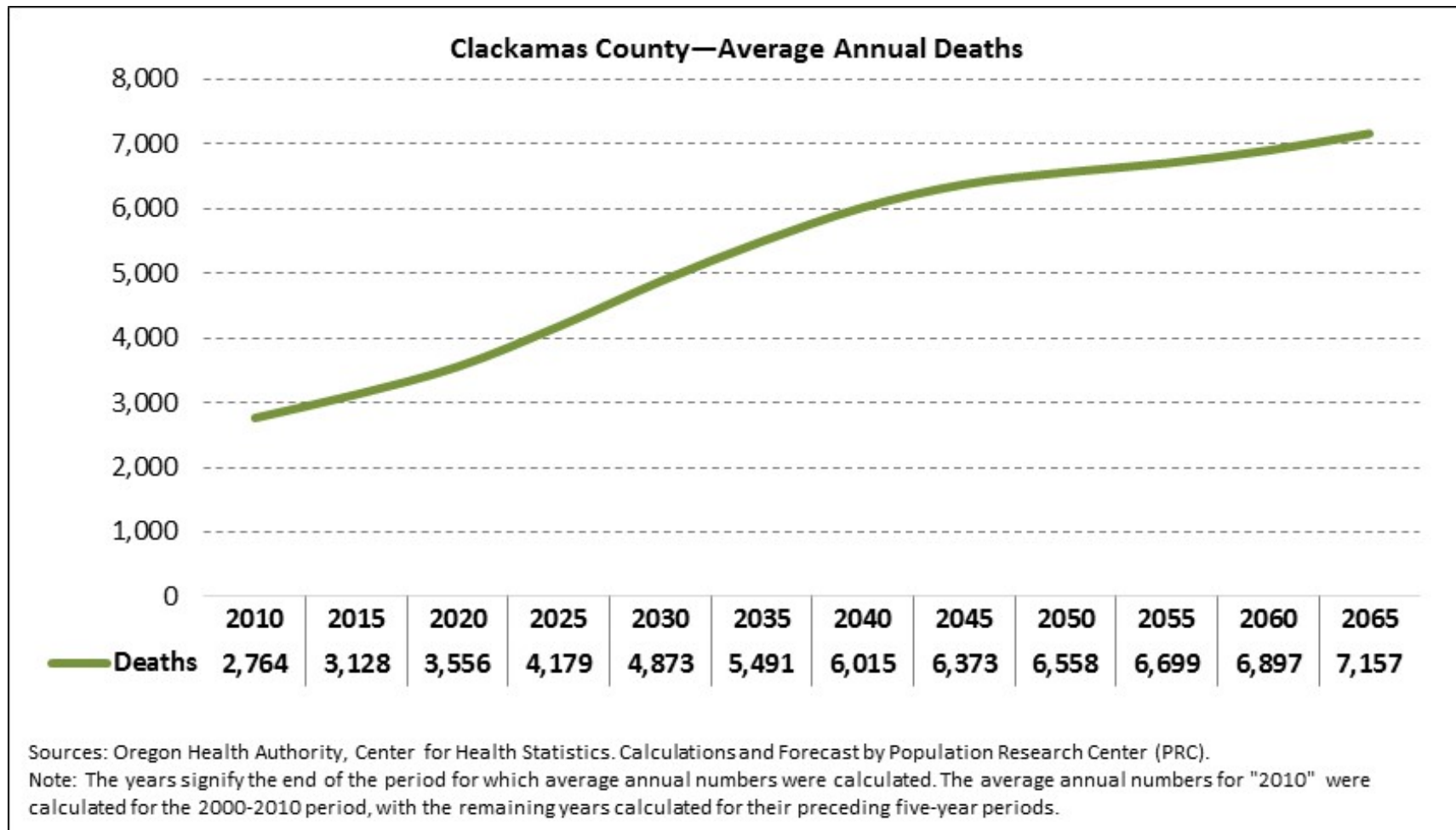


Sources: PEPAS R6H-Geography-Oregon Year-July 1, 2015 and July 1, 2010

Hispanic Origin-Hispanic: Annual Estimates of the Resident Population by Sex, Age, Race, and Hispanic Origin for the United States and States: April 1, 2010 to July 1, 2015
Population Research Center (PRC): 2015 Population Estimates

These numbers represent **Preliminary** Forecast Results

Historical and Forecast Trends



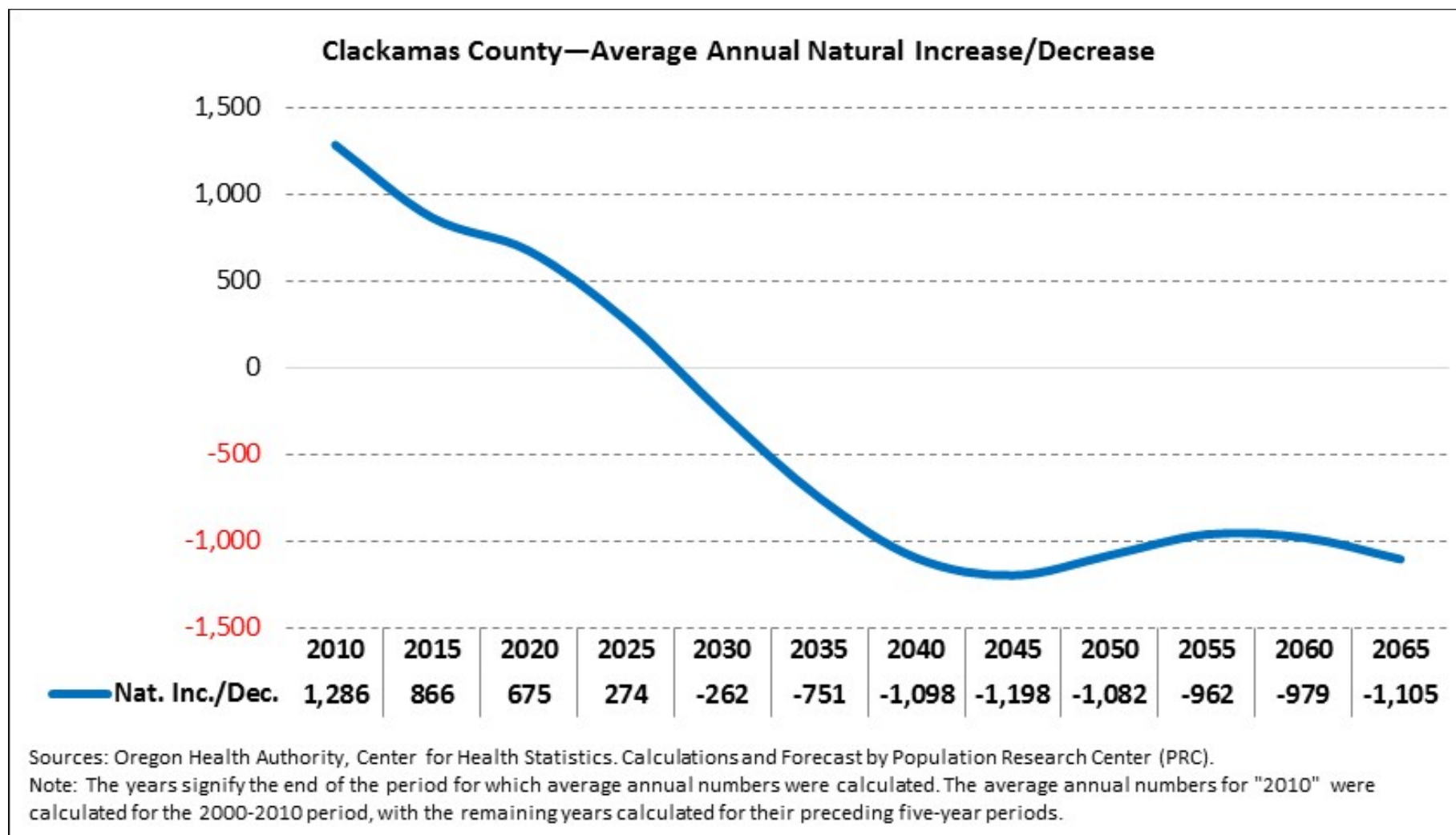
These numbers represent **Preliminary** Forecast Results

Life Expectancy (Years)—Total Pop

	2000	2010	2060
Clackamas County	78.1	80.5	87.9
Oregon	77.9	79.6	86.9

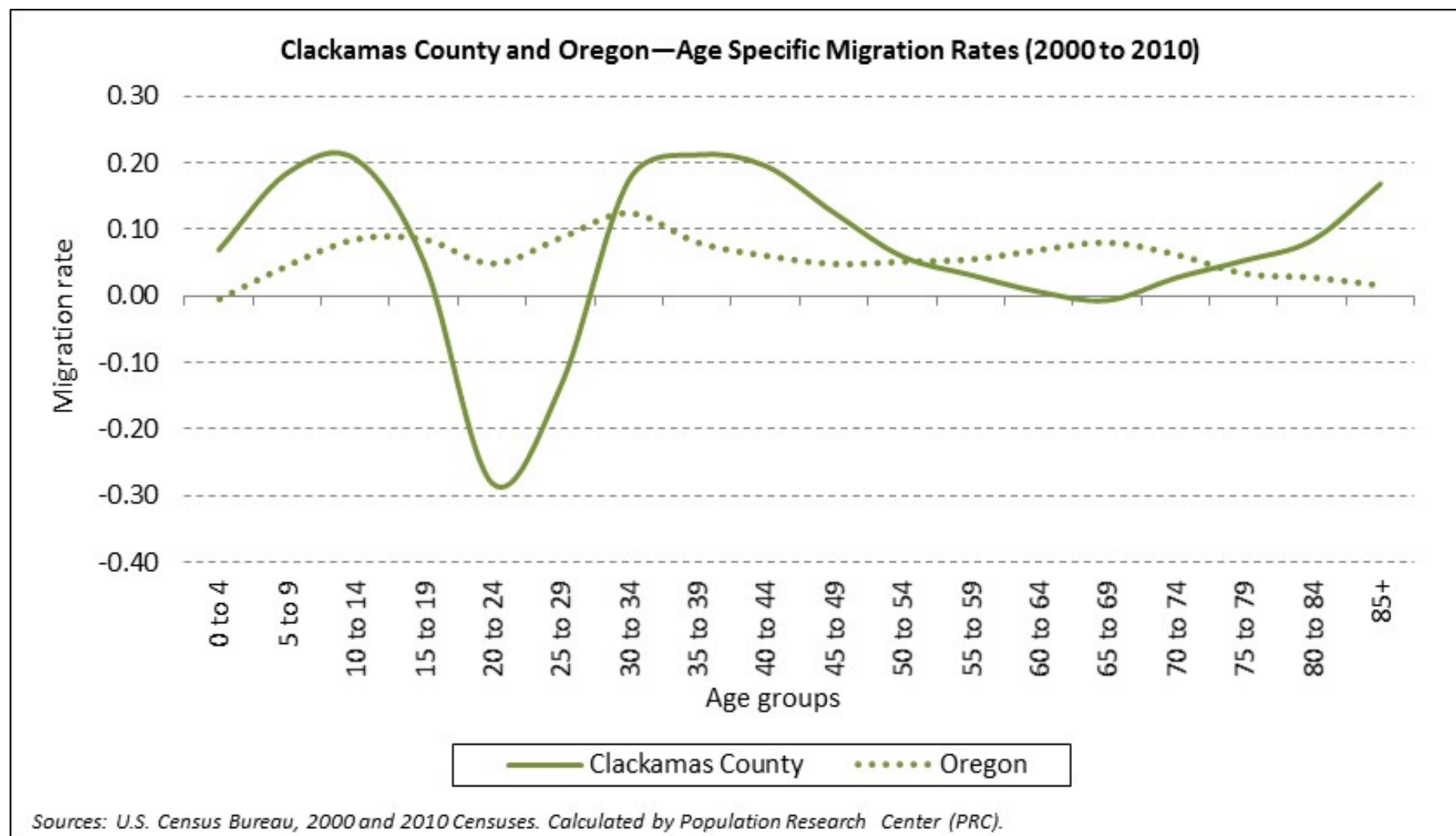
Source: U.S. Census Bureau.

Historical and Forecast Trends

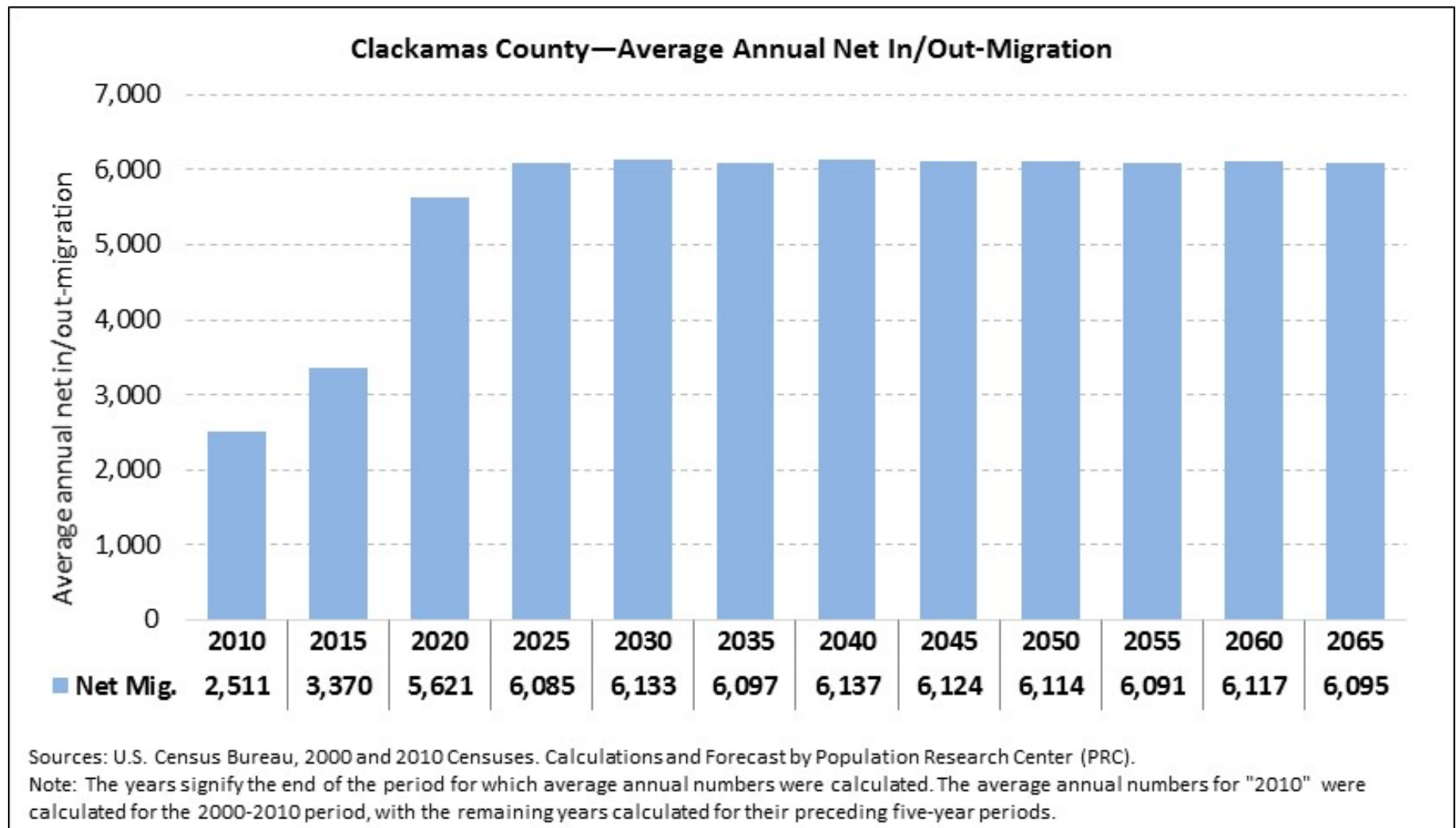


These numbers represent **Preliminary** Forecast Results

Additional Historical Trends

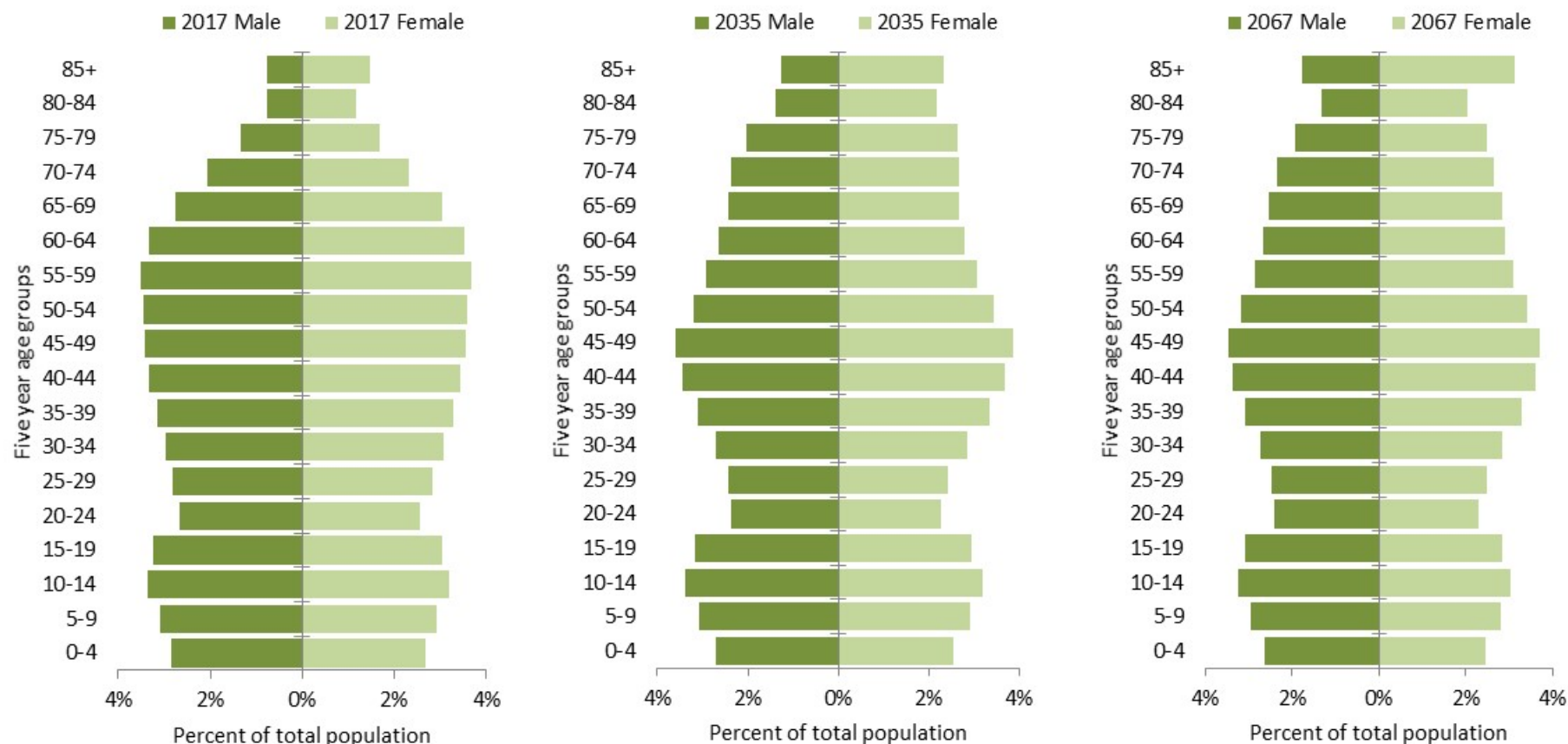


Historical and Forecast Trends



These numbers represent **Preliminary** Forecast Results

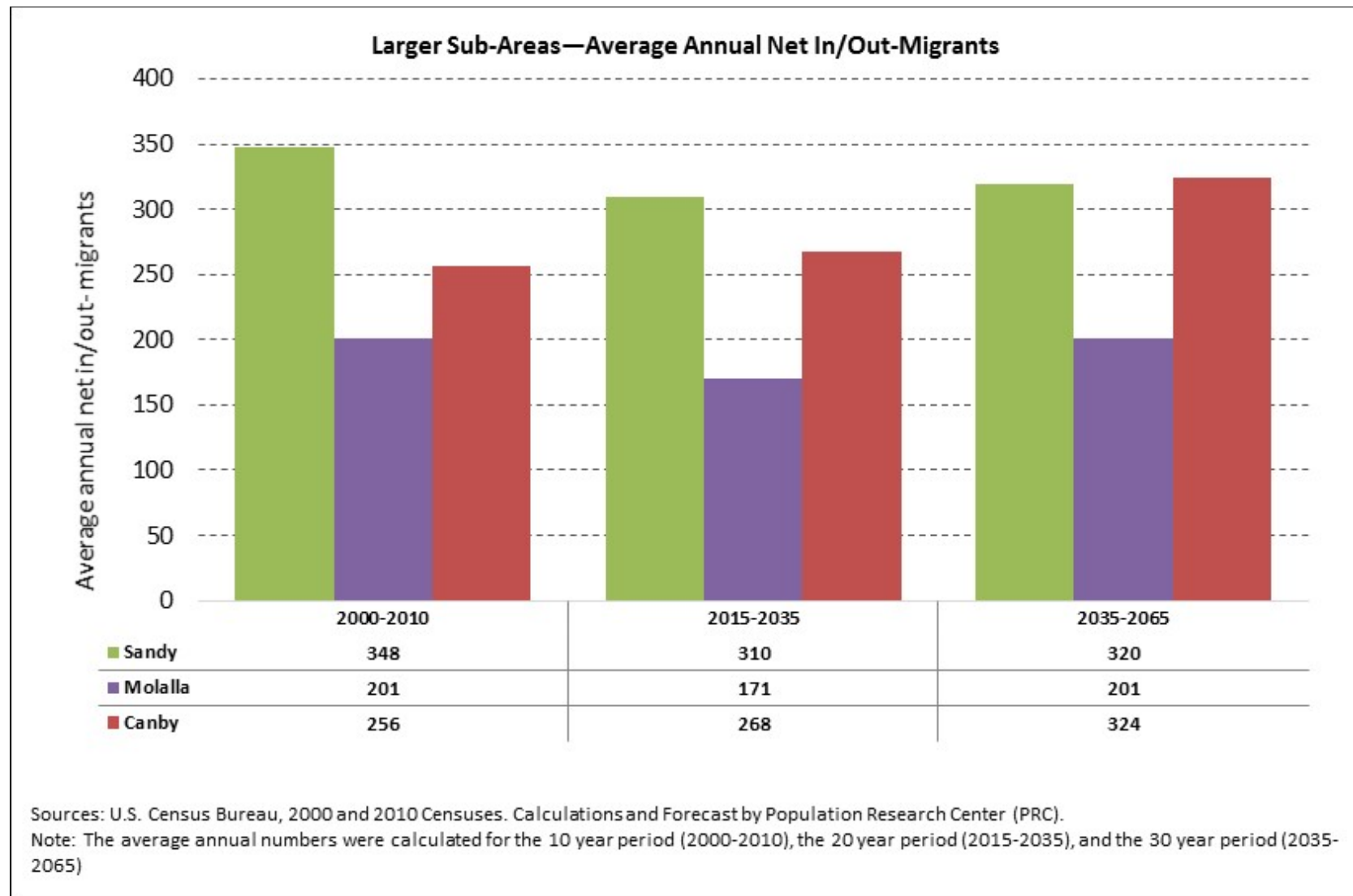
Clackamas County—Age Structure of the Population



Source: Forecast by Population Research Center (PRC)

These numbers represent **Preliminary** Forecast Results

Historical and Forecast Trends



These numbers represent **Preliminary** Forecast Results

Historical and Forecast Trends

	Historical			Forecast				
	2000	2010	AAGR (2000-2010)	2017	2035	2067	AAGR (2017-2035)	AAGR (2035-2067)
<i>Clackamas County</i>	338,391	375,992	1.1%	409,688	516,744	677,596	1.3%	0.9%
Barlow UGB	140	137	-0.2%	140	148	161	0.3%	0.3%
Canby UGB	13,323	17,097	2.5%	17,976	24,045	35,118	1.6%	1.2%
Estacada UGB	3,067	3,330	0.8%	4,102	5,731	6,766	1.9%	0.5%
Molalla UGB	5,872	8,561	3.8%	9,939	14,705	23,678	2.2%	1.5%
Sandy UGB	5,770	9,912	5.6%	11,346	18,700	34,695	2.8%	2.0%
Outside UGBs	81,753	79,969	-0.2%	83,444	88,484	91,906	0.3%	0.1%

Sources: U.S. Census Bureau, 2000 and 2010 Censuses; Forecast by Population Research Center (PRC).

Note: PRC does not forecast populations within the Metro area. As a result, population numbers do not add up in this table.

These numbers represent **Preliminary** Forecast Results

Preliminary Forecast Results

County and Larger Sub-Areas—Population and Average Annual Growth Rate (AAGR) (2017, 2035, and 2067)

	2017	2035	2067	AAGR (2017-2035)	AAGR (2035-2067)	Share of County 2017	Share of County 2035	Share of County 2067
<i>Clackamas County</i>	409,688	516,744	677,596	1.3%	0.9%	100.0%	100.0%	100.0%
Canby UGB	17,976	24,045	35,118	1.6%	1.2%	4.4%	4.7%	5.2%
Molalla UGB	9,939	14,705	23,678	2.2%	1.5%	2.4%	2.8%	3.5%
Sandy UGB	11,346	18,700	34,695	2.8%	2.0%	2.8%	3.6%	5.1%
Outside UGBs	83,444	88,484	91,906	0.3%	0.1%	20.4%	17.1%	13.6%
Smaller UGBs	4,243	5,880	6,927	1.8%	0.5%	1.0%	1.1%	1.0%

Source: Forecast by Population Research Center (PRC)

Note: Smaller UGBs are those with populations less than 7,000 in forecast launch year.

Note: PRC does not forecast populations within the Metro area. As a result, population numbers and shares do not add up in this table.

Assumptions for Smaller Sub-Area Forecasts

1. For UGBs experiencing population growth, we assume a higher growth rate in the near-term, with growth stabilizing over the remainder of the forecast period.
2. If planned housing units were reported in the surveys, then we account for them being constructed over the next 5-10 years.
3. For county sub-areas where population growth has been flat or declined, and there is no planned housing construction, we tend to temper losses over the forecast period.

Preliminary Forecast Results

County and Smaller Sub-Areas—Population and Average Annual Growth Rate (AAGR) (2017, 2035, and 2067)

	2017	2035	2067	AAGR (2017-2035)	AAGR (2035-2067)	Share of County 2017	Share of County 2035	Share of County 2067
<i>Clackamas County</i>	409,688	516,744	677,596	1.3%	0.9%	100.0%	100.0%	100.0%
Barlow UGB	140	148	161	0.3%	0.3%	0.0%	0.0%	0.0%
Estacada UGB	4,102	5,731	6,766	1.9%	0.5%	1.0%	1.1%	1.0%
Outside UGBs	83,444	88,484	91,906	0.3%	0.1%	20.4%	17.1%	13.6%
Larger UGBs	39,261	57,451	93,491	2.1%	1.5%	9.6%	11.1%	13.8%

Source: Forecast by Population Research Center (PRC)

Note: Larger UGBs are those with populations equal to or greater than 7,000 in forecast launch year.

Note: PRC does not forecast populations within the Metro area. As a result, population numbers and shares do not add up in this table.

Local Input and Additional Information

- Questions?
- Discussion time