

Oregon Population Forecast Program

Regional Forecast Meeting - March 1, 2016

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

Oregon Population Forecast Program Project Team

Xiaomin Ruan,
*Population Forecast Program
Coordinator*

Risa S. Proehl,
*Population Estimates/Forecast
Programs Manager*

Kevin Rancik,
GIS and Research Analyst

Janai Kessi,
Research Analyst

David Tetrick,
Graduate Research Assistant

Julia Michel,
Graduate Research Assistant

Deborah Loftus,
Administrative Assistant

Jason R. Jurjevich,
*Assistant Director
Population Research Center*

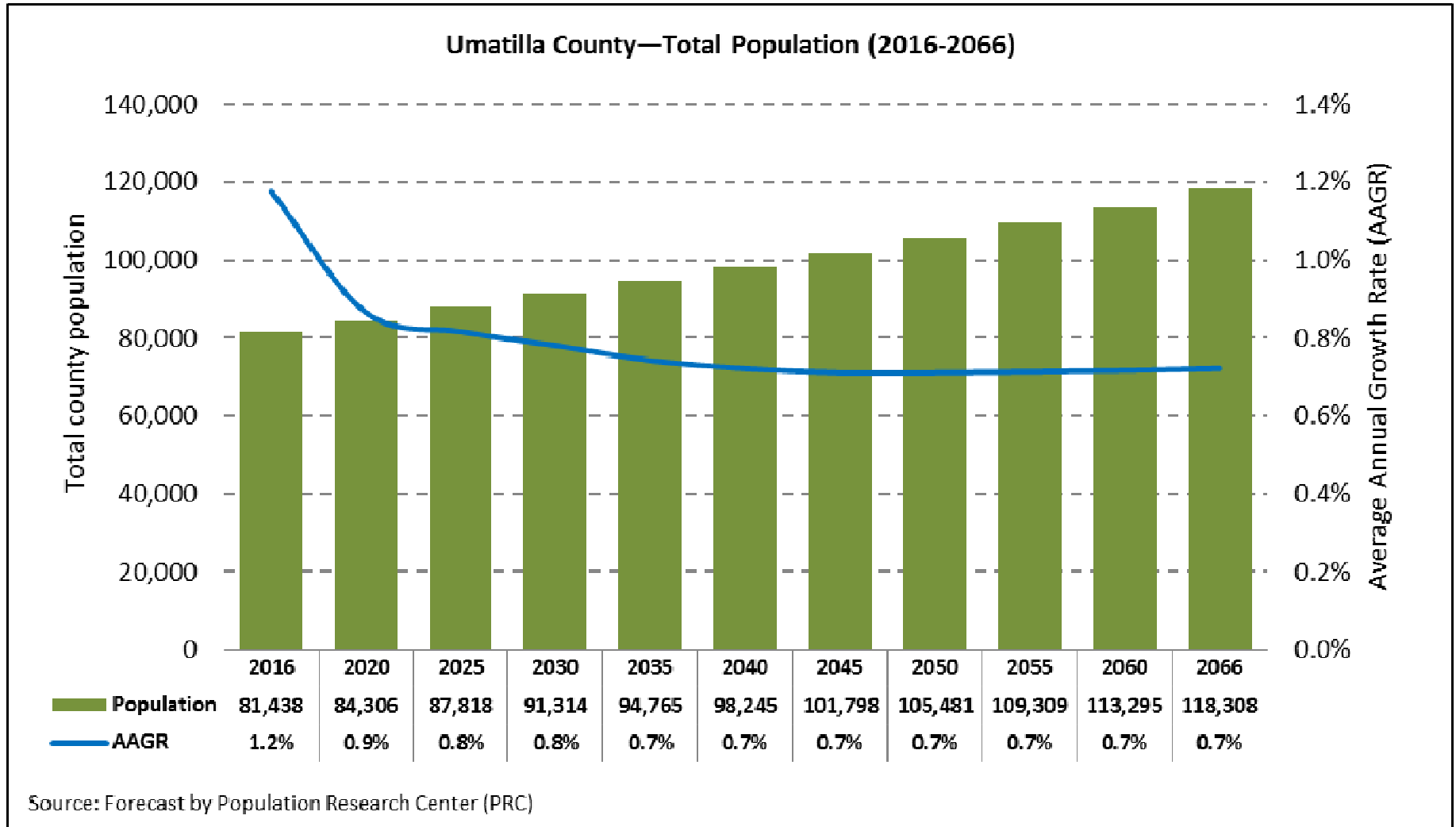
Agenda

- Present and discuss preliminary forecast results
 - Proposed Forecast – March 1, 2016; 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

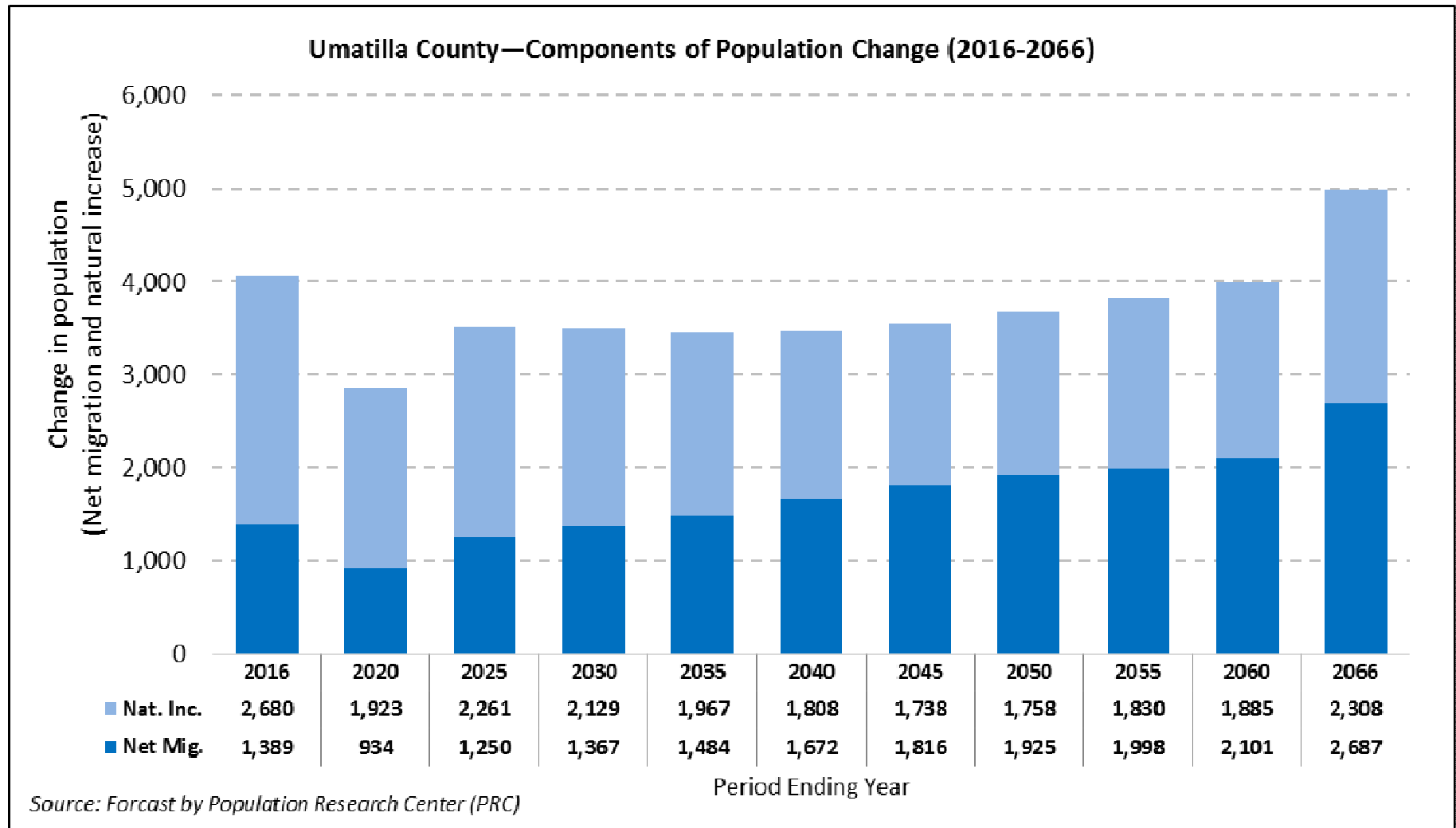
1. In general, as the economy continues to strengthen we assume an increase in net in-migration and a corresponding growth in housing construction.
 - a) Net in-migration will accelerate in the near-term and then stabilize over time.
2. We incorporate national trends into our assumptions for fertility and mortality rates.
 - a) As a result of aging Baby Boomers, deaths increase over the whole forecast period.
 - b) Total fertility rates decline throughout the entire forecast period.
 - c) As a result natural increase declines with the low in 2045 before starting to rebound.
3. Population increases will become more dependent on net in-migration
4. Hermiston UGB and the Outside UGB area experience increasing net in-migration, Milton-Freewater and Pendleton experience constant net out-migration of historical levels, and net migration in Umatilla UGB is stable.
 - a) All areas will experience population increases.

Preliminary Forecast Results



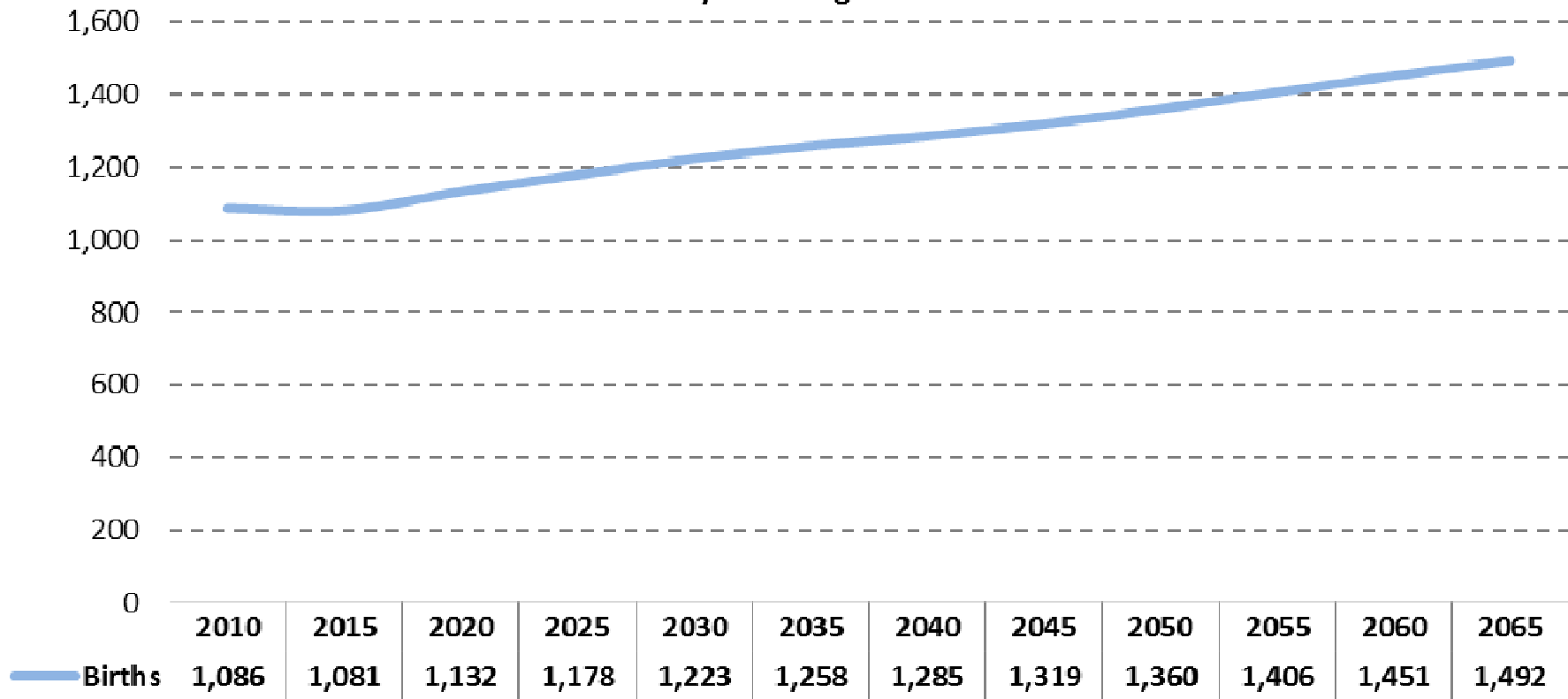
These numbers represent **Preliminary** Forecast Results

Preliminary Forecast Results



These numbers represent **Preliminary** Forecast Results

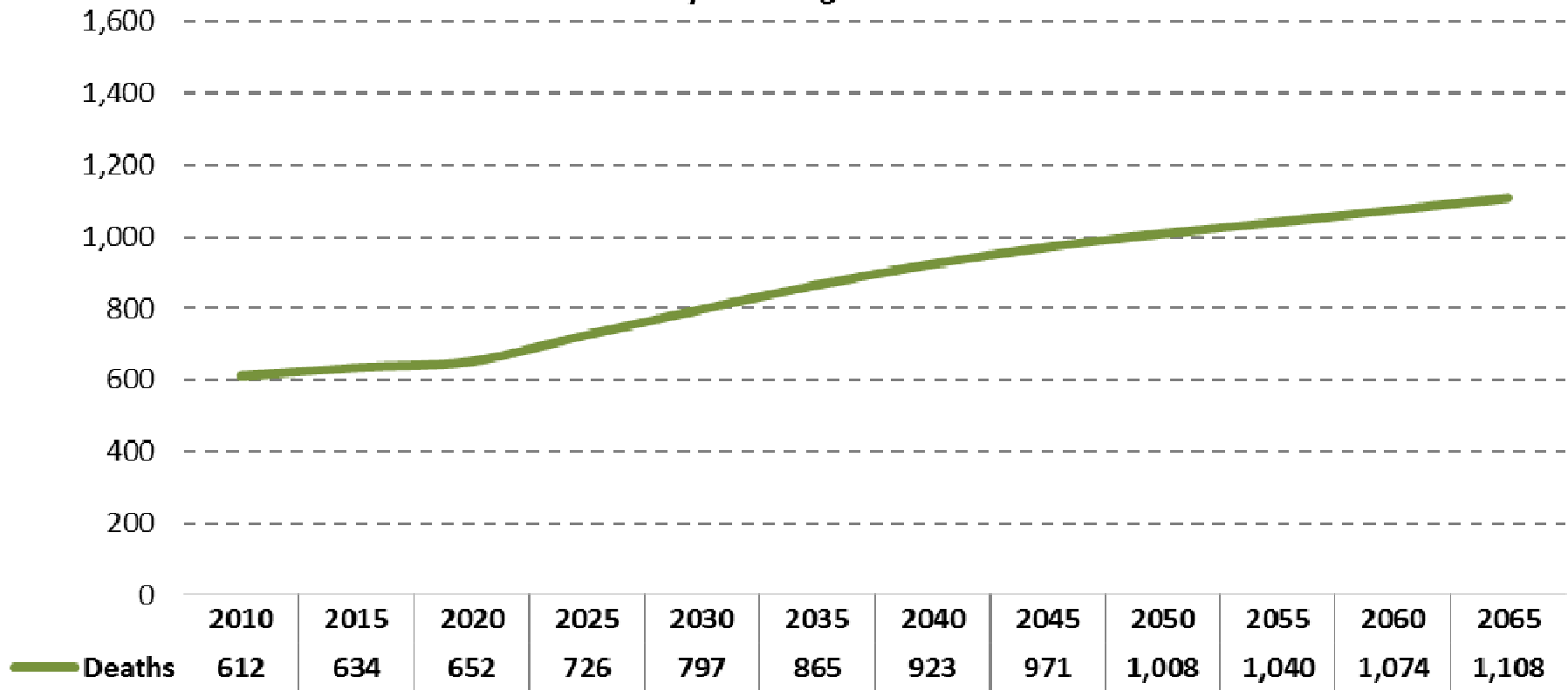
Umatilla County—Average Annual Births



Sources: Oregon Health Authority, Center for Health Statistics. Calculations and Forecast by Population Research Center (PRC).

Note: The years signify the end of the period for which average annual numbers were calculated. The average annual numbers for "2010" were calculated for the 2000-2010 period, with the remaining years calculated for their preceding five-year periods.

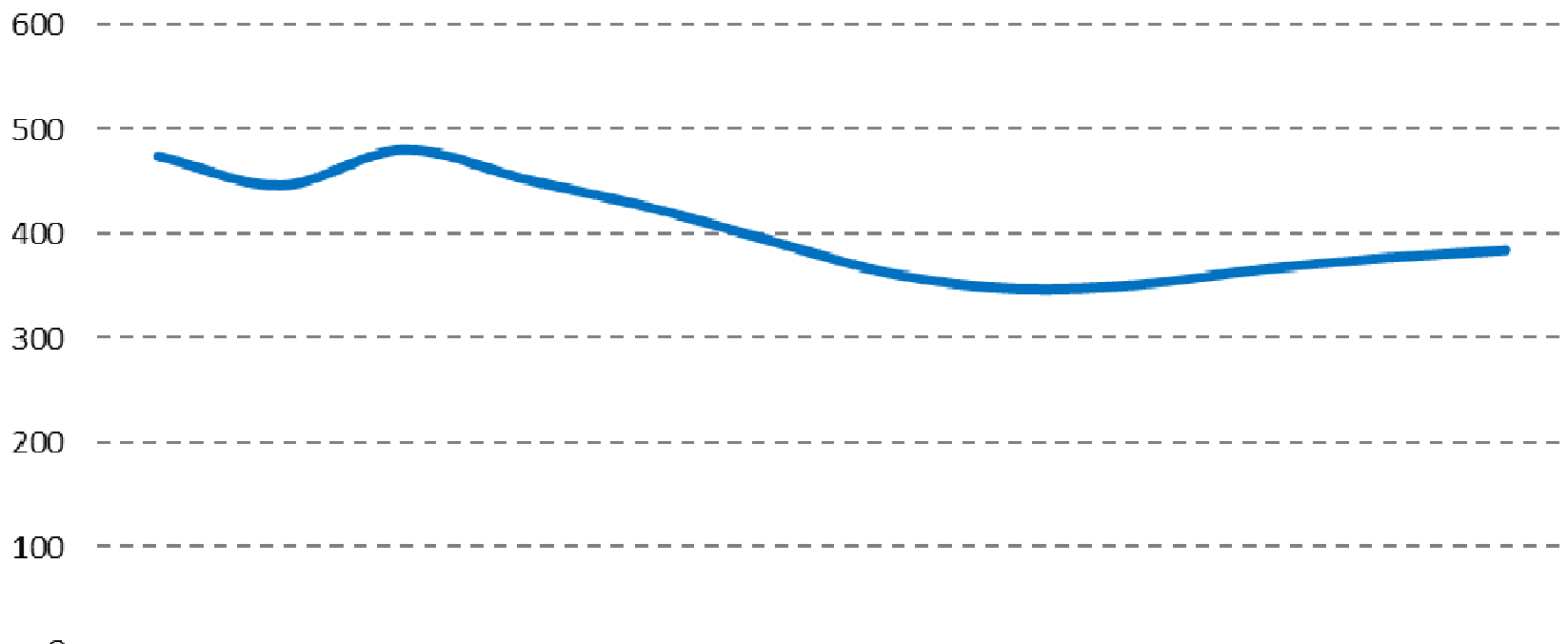
Umatilla County—Average Annual Deaths



Sources: Oregon Health Authority, Center for Health Statistics. Calculations and Forecast by Population Research Center (PRC).

Note: The years signify the end of the period for which average annual numbers were calculated. The average annual numbers for "2010" were calculated for the 2000-2010 period, with the remaining years calculated for their preceding five-year periods.

Umatilla County—Average Annual Natural Increase



	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065
— Nat. Inc.	475	447	481	452	426	393	362	348	352	366	377	385

Sources: Oregon Health Authority, Center for Health Statistics. Calculations and Forecast by Population Research Center (PRC).
 Note: The years signify the end of the period for which average annual numbers were calculated. The average annual numbers for "2010" were calculated for the 2000-2010 period, with the remaining years calculated for their preceding five-year periods.

Total Fertility Rate (TFR)

	2000	2010	2015	2035	2065
Umatilla County	2.33	2.49	2.19	2.14	2.10
Oregon	1.98	1.80	1.83	1.78	1.73

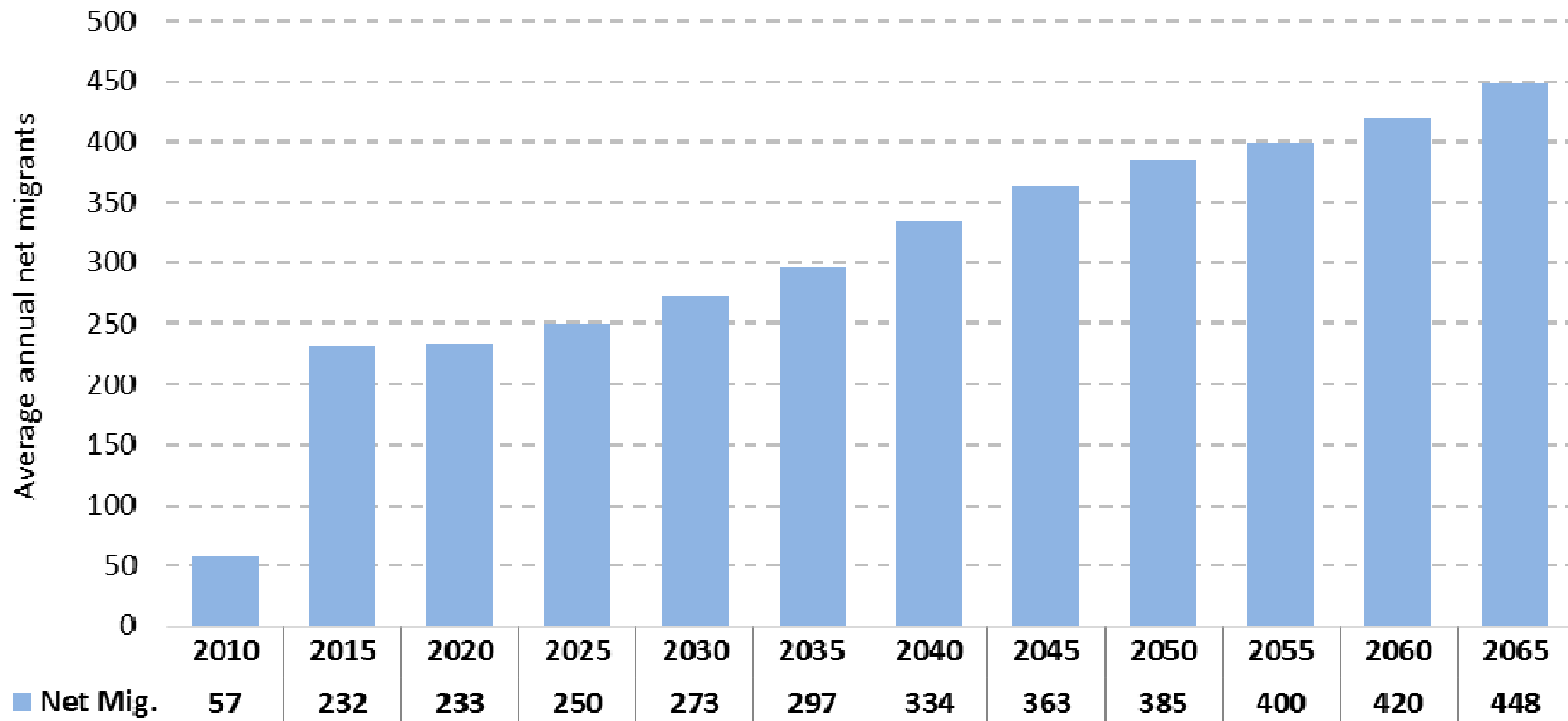
Sources: U.S. Census Bureau, 2000 and 2010 Censuses. Oregon Health Authority, Center for Health Statistics. Calculations and Forecast by Population Research Center (PRC).

Life Expectancy (Years)—Both Genders

	2000	2010	2060
Umatilla County	78.2	78.0	85.4
Oregon	77.9	79.6	86.9

Source: U.S. Census Bureau.

Umatilla County—Average Annual Net Migration



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

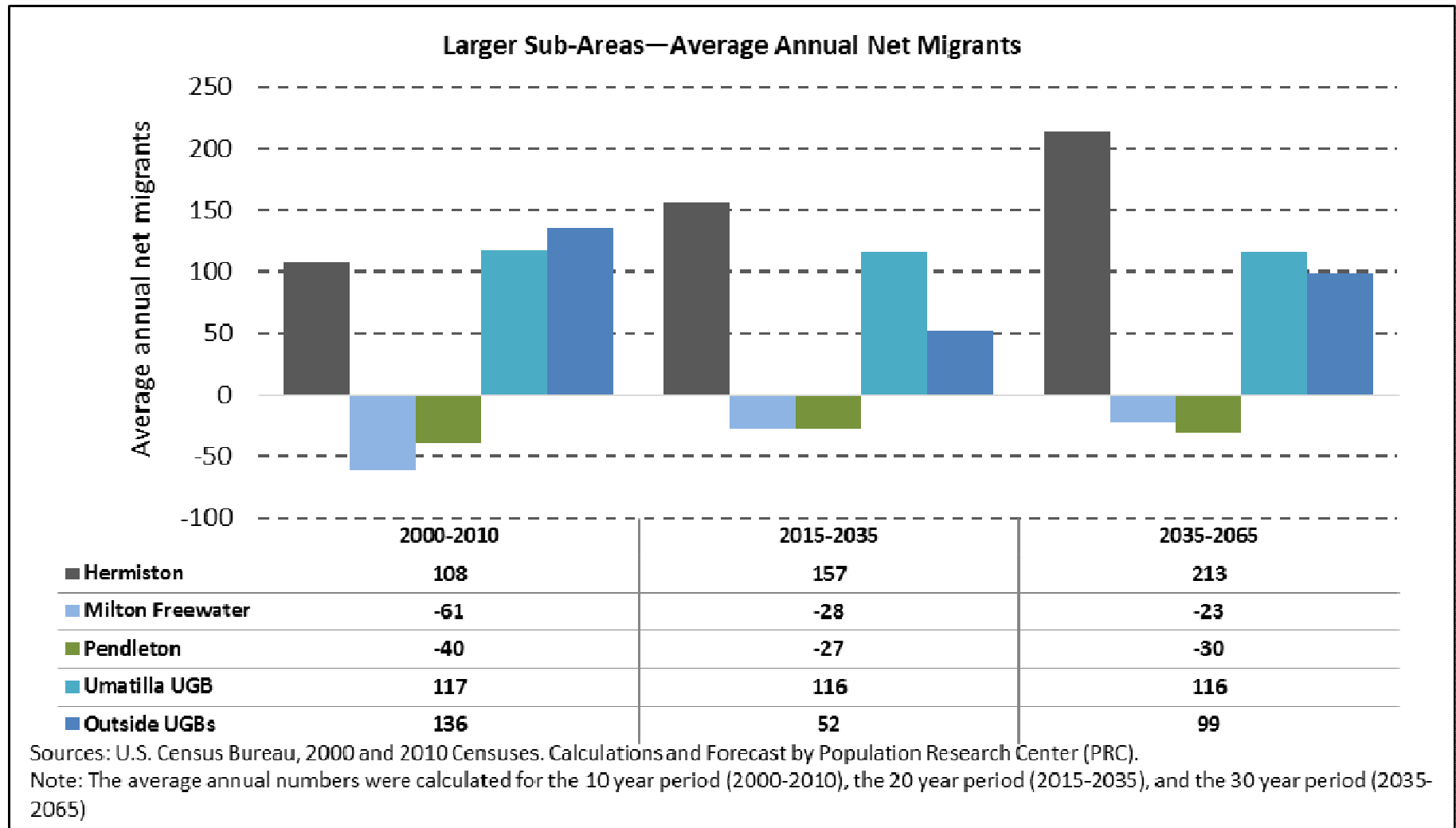
Note: The years signify the end of the period for which average annual numbers were calculated. The average annual numbers for "2010" were calculated for the 2000-2010 period, with the remaining years calculated for their preceding five-year periods.

Umatilla County—Age Structure of the Population



Source: Forecast by Population Research Center (PRC)

These numbers represent **Preliminary** Forecast Results



Preliminary Forecast Results

County and Larger Sub-Areas—Population and Average Annual Growth Rate (AAGR) (2016, 2035, and 2066)

	2016	2035	2066	AAGR (2015-2035)	AAGR (2035-2066)	Share of County 2016	Share of County 2035	Share of County 2066
<i>Umatilla County</i>	81,438	94,765	118,308	0.8%	0.7%	100.0%	100.0%	100.0%
Hermiston UGB	21,488	28,667	41,104	1.5%	1.2%	26.4%	30.3%	34.7%
Milton-Freewater UGB	7,653	8,738	10,993	0.7%	0.7%	9.4%	9.2%	9.3%
Pendleton UGB	17,325	18,359	21,607	0.3%	0.5%	21.3%	19.4%	18.3%
Umatilla UGB	8,714	12,284	17,517	1.8%	1.1%	10.7%	13.0%	14.8%
Smaller UGBs	7,140	7,376	7,568	0.2%	0.1%	8.8%	7.8%	6.4%
Outside UGBs	19,119	19,341	19,520	0.1%	0.0%	23.5%	20.4%	16.5%

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.

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.

Preliminary Forecast Results

County and Smaller Sub-Areas—Population and Average Annual Growth Rate (AAGR) (2016, 2035, and 2066)

	2016	2035	2066	AAGR (2015-2035)	AAGR (2035-2065)	Share of County 2016	Share of County 2035	Share of County 2066
<i>Umatilla County</i>	81,438	94,765	118,308	0.8%	0.7%	100.0%	100.0%	100.0%
Adams UGB	370	391	407	0.3%	0.1%	0.5%	0.4%	0.3%
Athena UGB	1,151	1,165	1,180	0.1%	0.0%	1.4%	1.2%	1.0%
Echo UGB	744	781	824	0.3%	0.2%	0.9%	0.8%	0.7%
Helix UGB	204	213	214	0.2%	0.0%	0.3%	0.2%	0.2%
Hermiston UGB	21,488	28,667	41,104	1.5%	1.2%	26.4%	30.3%	34.7%
Milton-Freewater	7,653	8,738	10,993	0.7%	0.7%	9.4%	9.2%	9.3%
Pendleton UGB	17,325	18,359	21,607	0.3%	0.5%	21.3%	19.4%	18.3%
Pilot Rock UGB	1,576	1,576	1,576	0.0%	0.0%	1.9%	1.7%	1.3%
Stanfield UGB	2,144	2,280	2,383	0.3%	0.1%	2.6%	2.4%	2.0%
Ukiah UGB	256	258	261	0.1%	0.0%	0.3%	0.3%	0.2%
Umatilla UGB	8,714	12,284	17,517	1.8%	1.1%	10.7%	13.0%	14.8%
Weston UGB	695	713	722	0.1%	0.0%	0.9%	0.8%	0.6%
Outside UGBs	19,119	19,341	19,520	0.1%	0.0%	23.5%	20.4%	16.5%

Source: Forecast by Population Research Center (PRC)

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

Historical and Forecast Trends

	Historical			Forecast				
	2000	2010	AAGR (2000-2010)	2016	2035	2066	AAGR (2016-2035)	AAGR (2035-2066)
<i>Umatilla County</i>	70,548	75,889	0.7%	81,438	94,765	118,308	0.8%	0.7%
Adams	298	350	1.6%	370	391	407	0.3%	0.1%
Athena	1,229	1,134	-0.8%	1,151	1,165	1,180	0.1%	0.0%
Echo	668	722	0.8%	744	781	824	0.3%	0.2%
Helix	192	194	0.1%	204	213	214	0.2%	0.0%
Hermiston	15,635	19,234	2.1%	21,488	28,667	41,104	1.5%	1.2%
Milton-Freewater	6,677	7,213	0.8%	7,653	8,738	10,993	0.7%	0.7%
Pendleton	17,161	17,015	-0.1%	17,325	18,359	21,607	0.3%	0.5%
Pilot Rock	1,641	1,576	-0.4%	1,576	1,576	1,576	0.0%	0.0%
Stanfield	2,011	2,061	0.2%	2,144	2,280	2,383	0.3%	0.1%
Ukiah	258	193	-2.9%	256	258	261	0.1%	0.0%
Umatilla	5,786	7,623	2.8%	8,714	12,284	17,517	1.8%	1.1%
Weston	742	679	-0.9%	695	713	722	0.1%	0.0%
Outside UGBs	18,250	17,895	-0.2%	19,119	19,341	19,520	0.1%	0.0%

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

Note: For simplicity each UGB is referred to by its primary city's name.

Local Input and Additional Information

- Questions?
- Discussion time