

# Oregon Population Forecast Program

## Regional Forecast Meeting – March 13, 2015

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

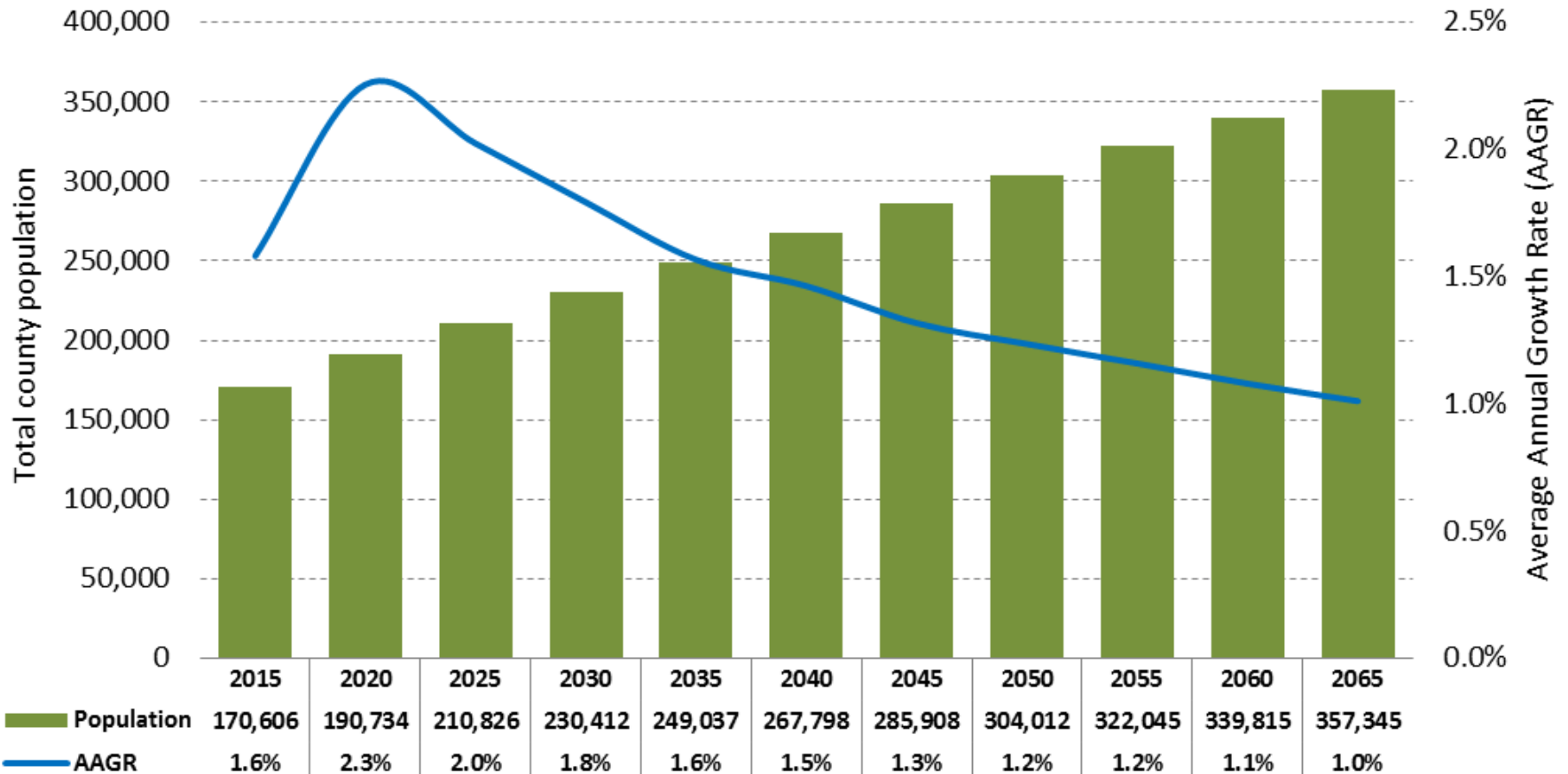
# Agenda

- Present and discuss preliminary forecast results
  - Proposed Forecast – March 31, 2015; 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

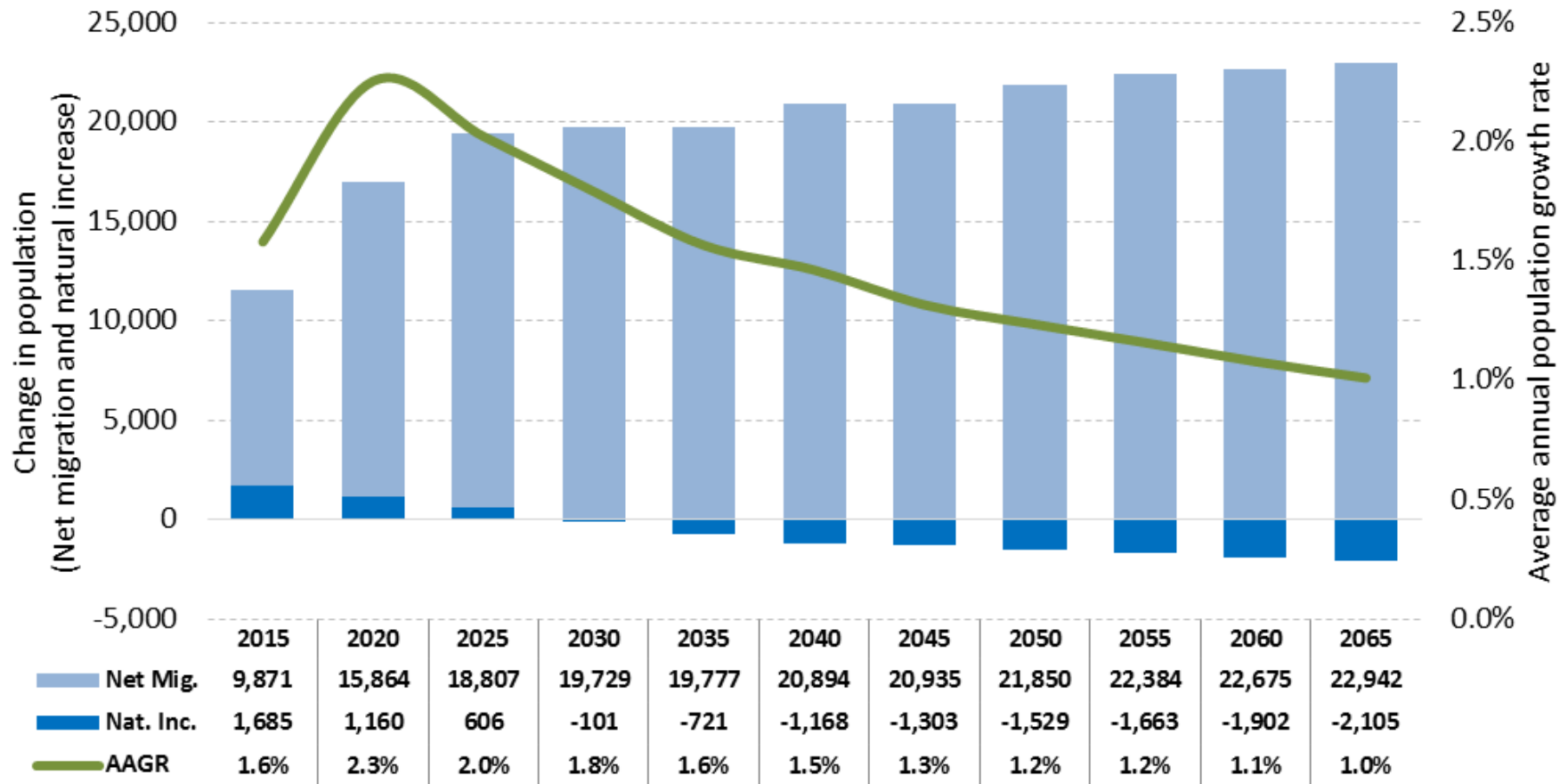
1. In general, as the economy continues to strengthen we assume an increase in net in-migration and a corresponding growth in housing construction.
  - a) Net in-migration will accelerate in the near-term and then stabilize over time.
2. We incorporate national trends into our assumptions for fertility and mortality rates.
  - a) As a result of aging Baby Boomers, deaths increase and peak in 2030, with total deaths tapering through 2050.
  - b) Total fertility rates decline throughout the entire forecast period; although only slightly in some areas.
    - i. As a result areas will experience natural decrease, or if it is already occurring, a natural decrease of a larger magnitude.
3. Population increases will become more dependent on net in-migration.
  - a) Some areas will experience population decreases due to natural decrease around 2030-2040, and will only increase if net in-migration accelerates.

### Deschutes County—Total Population by Five-year Intervals (2015-2065)



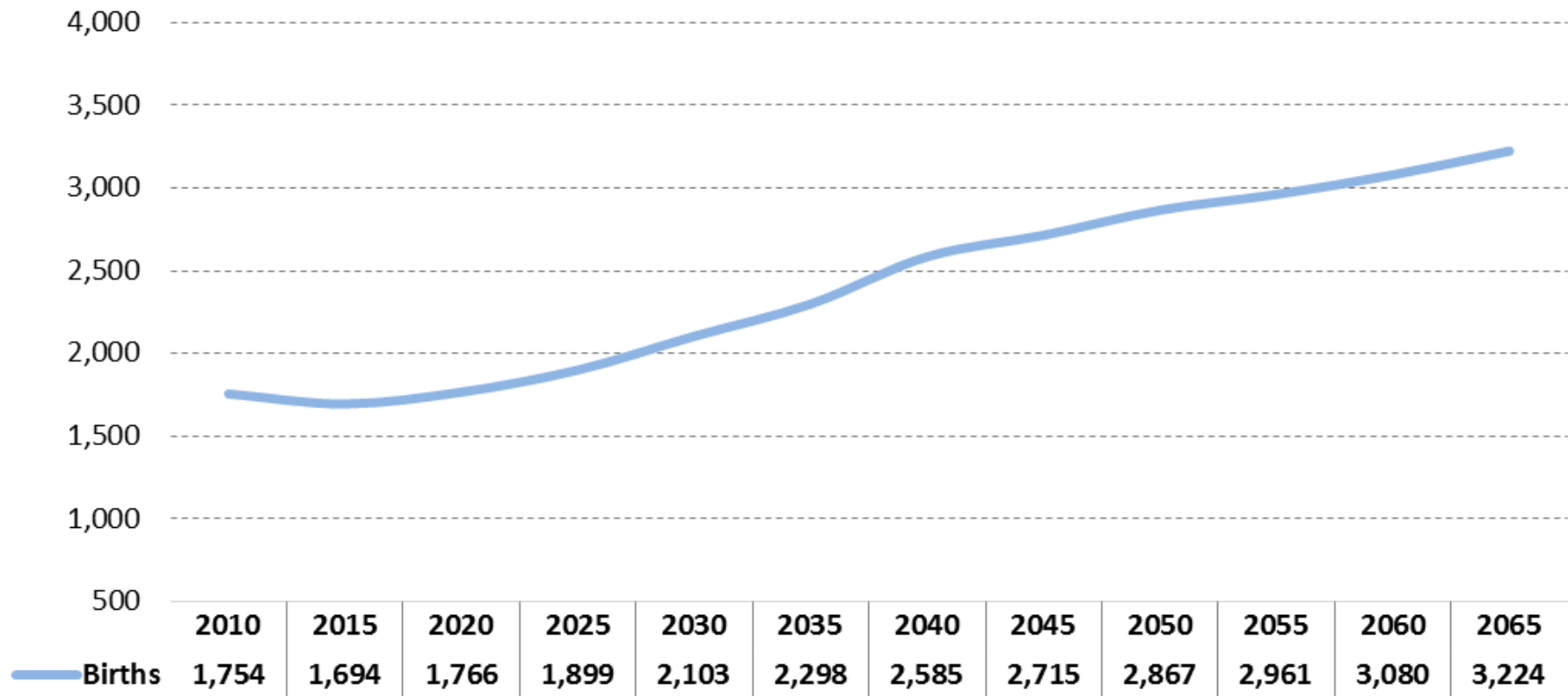
Source: Forecast by Population Research Center (PRC)

## Deschutes County—Components of Population Change by Five-year Intervals (2015-2065)



Source: Forecast by Population Research Center (PRC)

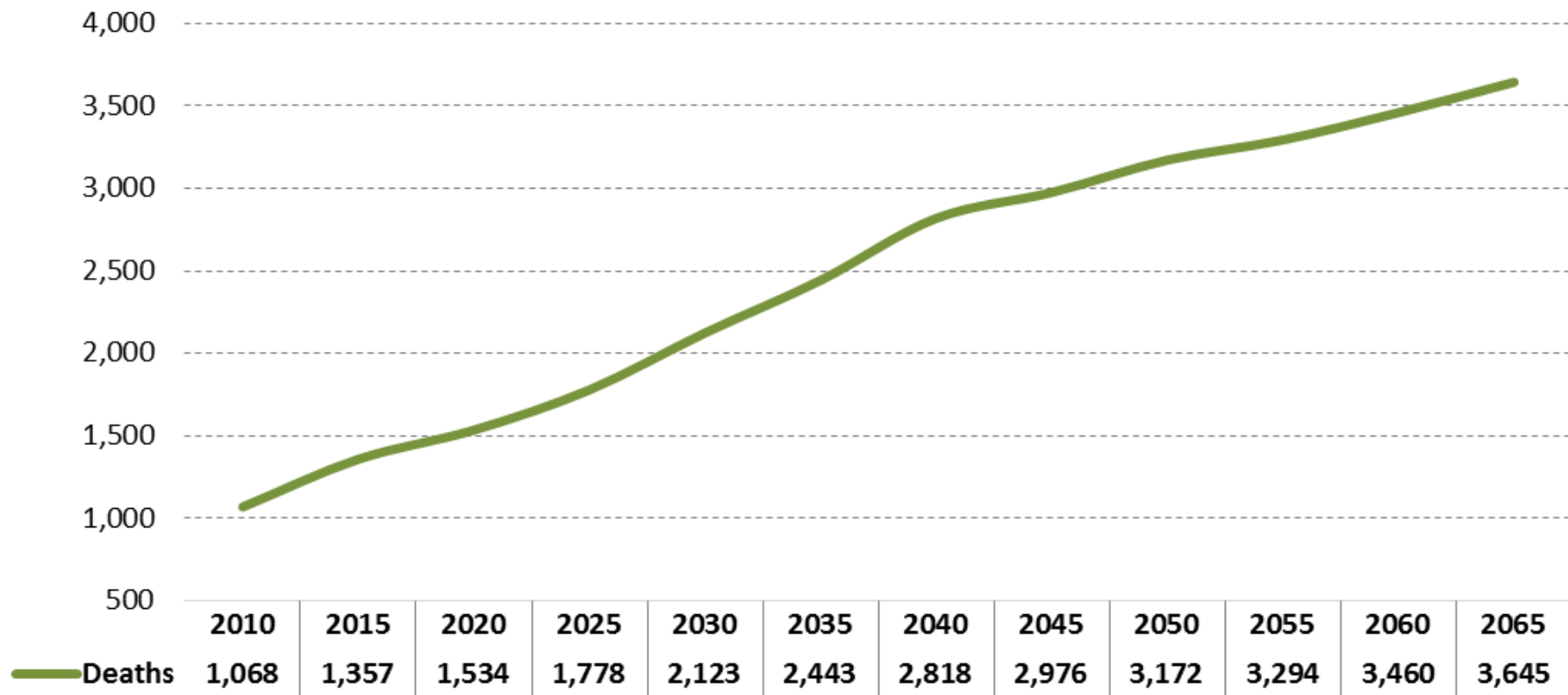
### Deschutes County—Average Annual Births



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

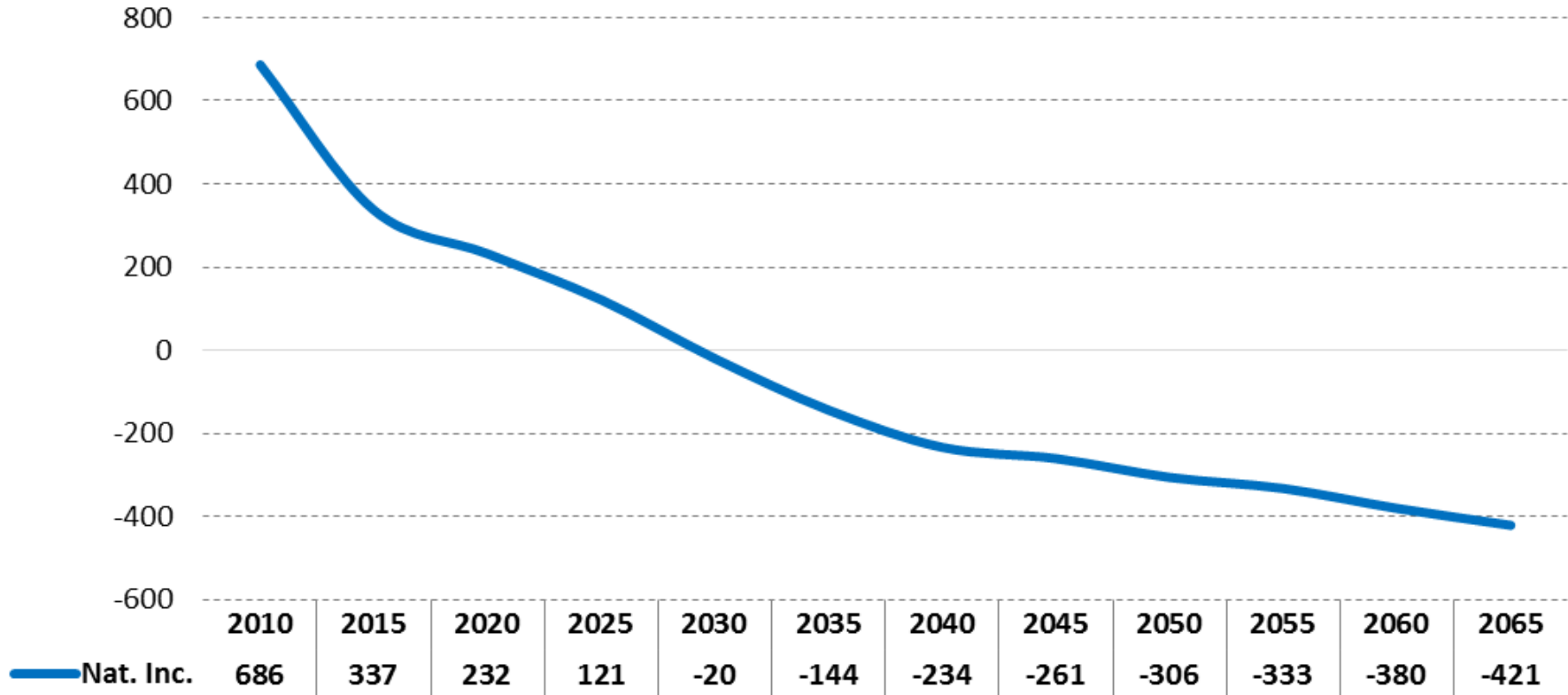
Note: The years signify the end of the period for which average annual numbers were calculated. The average annual numbers for "2010" were calculated for the 2000-2010 period, with the remaining years calculated for their preceding five-year periods.

### Deschutes 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.

**Deschutes County—Average Annual Natural Increase**



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)

	<b>2000</b>	<b>2010</b>	<b>2015</b>	<b>2035</b>	<b>2065</b>
<b>Deschutes County</b>	2.06	1.81	1.84	1.80	1.73
<b>Oregon</b>	1.98	1.79	1.83	1.79	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).*

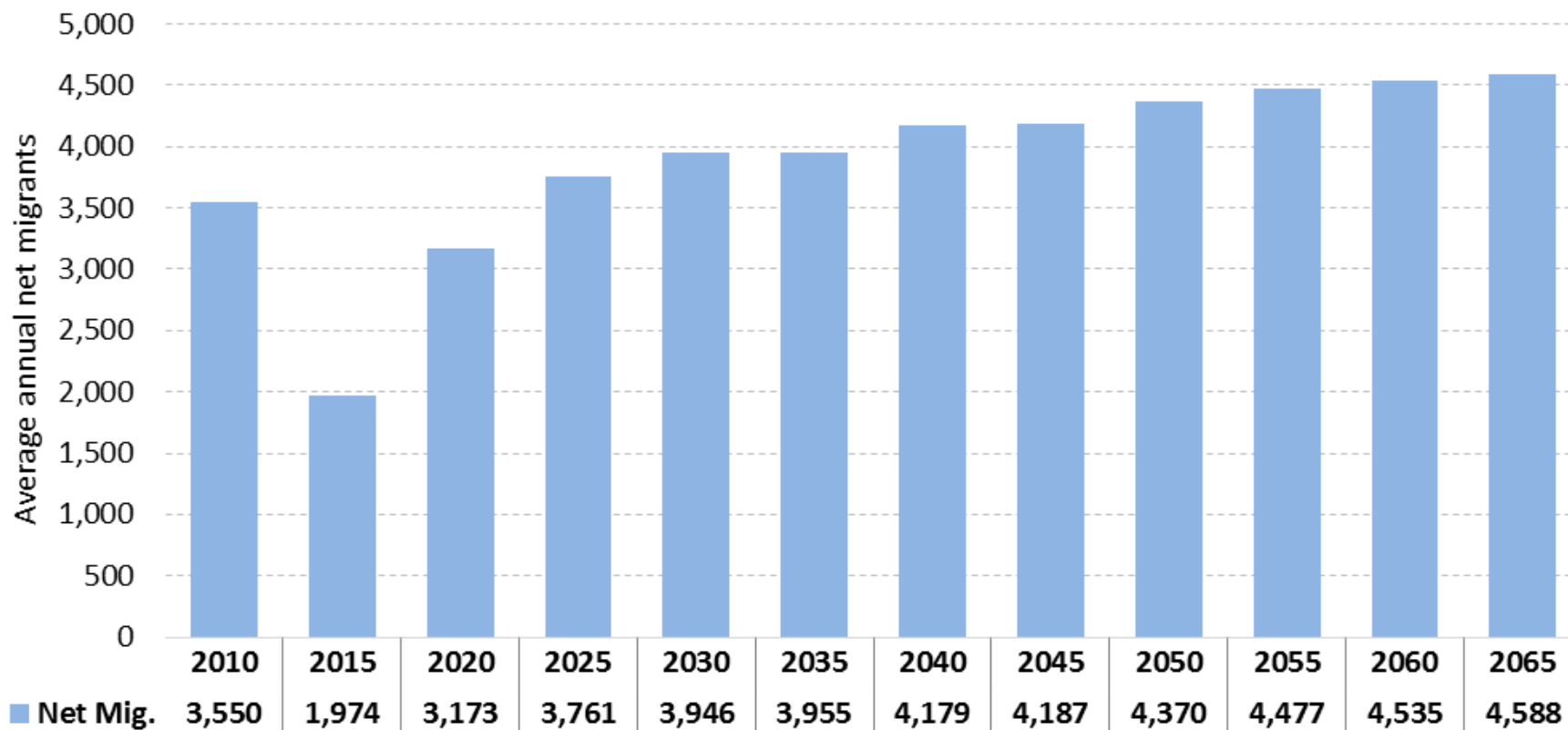
*Note: 2000 and 2010 are annual TFRs, whereas the TFRs for 2015, 2035, and 2065 are for the preceding five-year forecast period. In other words the TFR for 2035 is calculated for the 2030 to 2035 forecast period.*

## Life Expectancy (Years)—Both Genders

	2000	2010	2060
<b>Deschutes County</b>	79	81	88
<b>Oregon</b>	78	80	87

*Source: U.S. Census Bureau.*

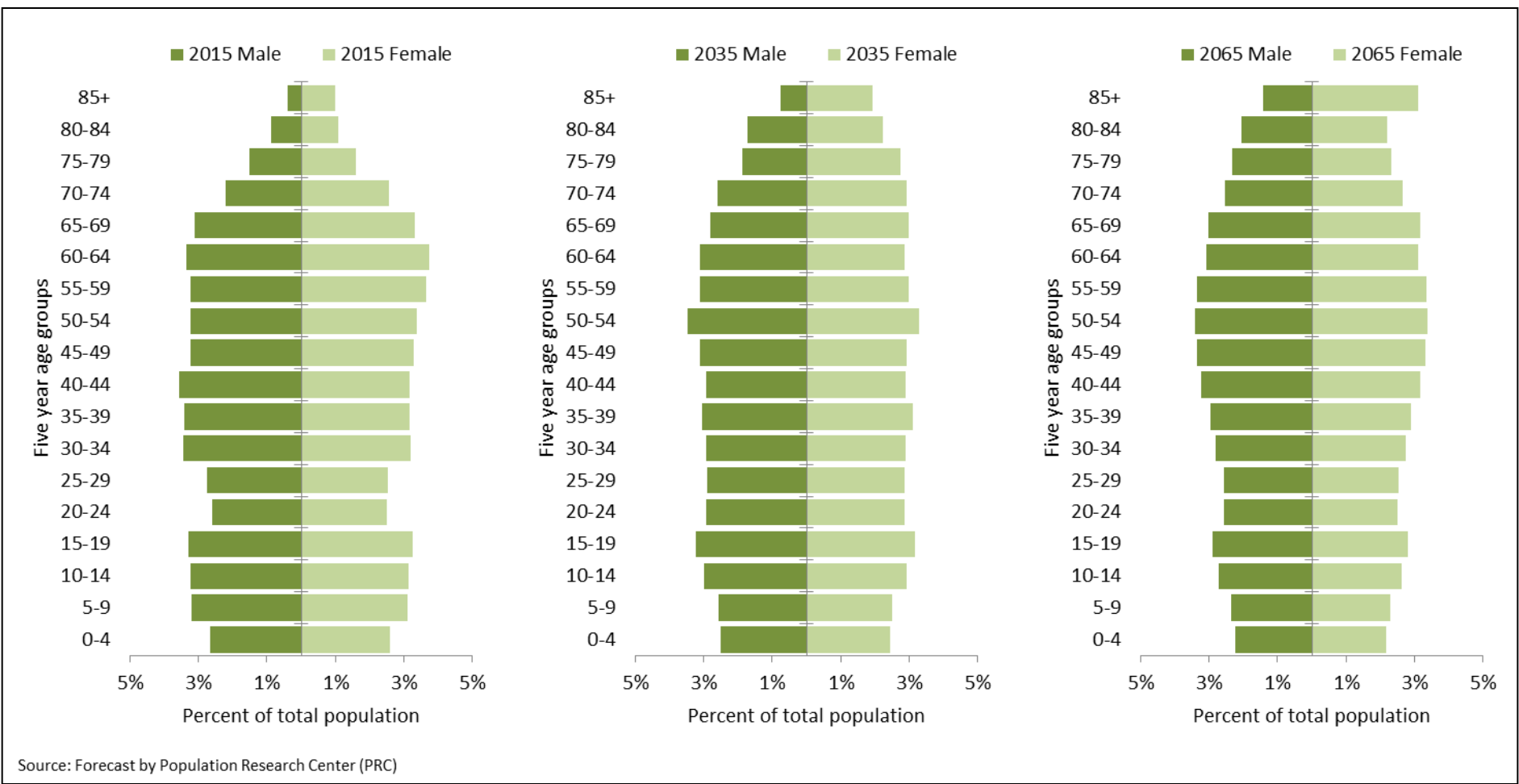
## Deschutes County—Average Annual Net Migration



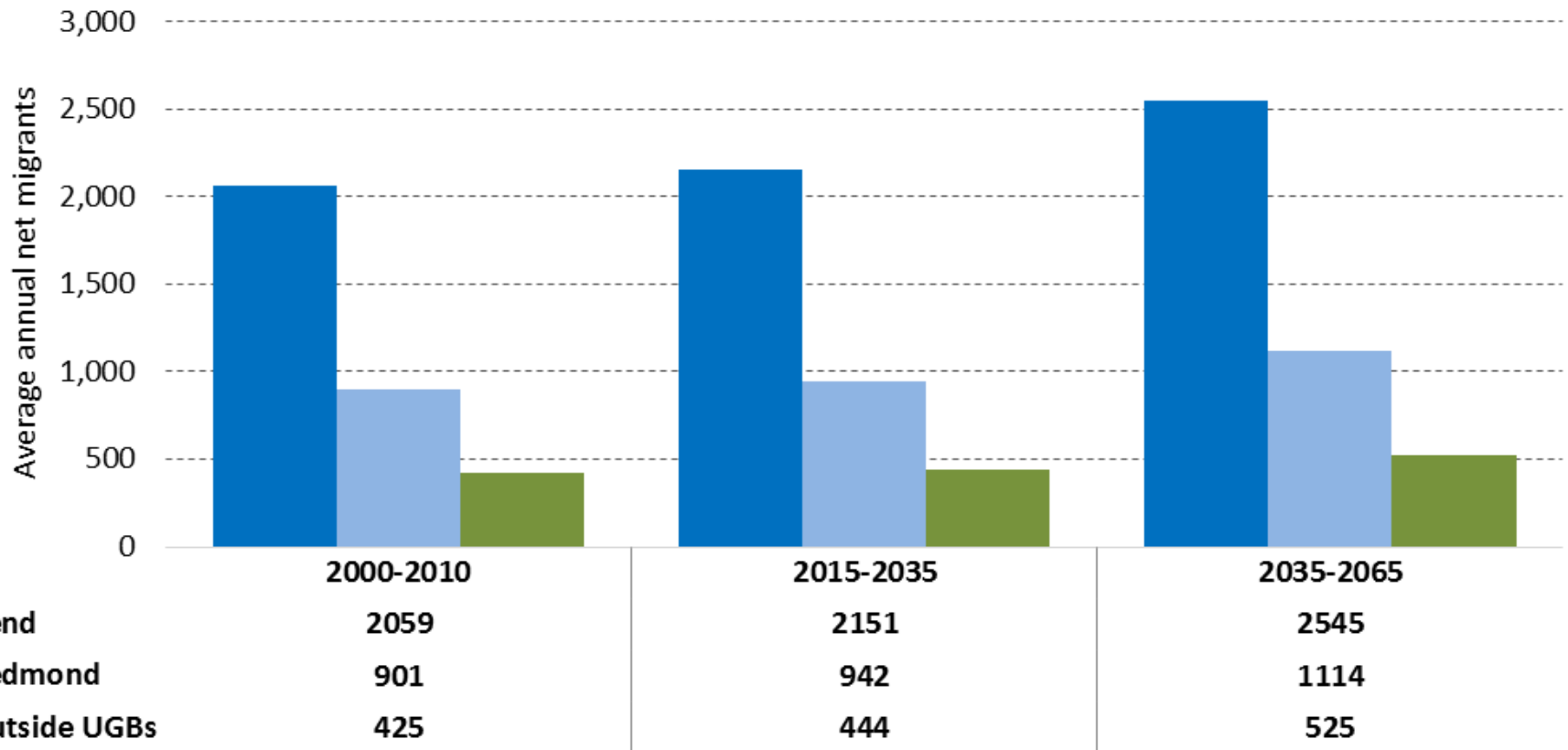
Sources: U.S. Census Bureau, 2000 and 2010 Censuses. Calculations and Forecast by Population Research Center (PRC).

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.

## Deschutes County—Age Structure of the Population



**Deschutes County's Larger Sub-Areas—Average Annual Net Migrants**



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

Note: The average annual numbers were calculated for the 10 year period (2000-2010), the 20 year period (2015-2035), and the 30 year period (2035-2065)

## County and Larger Sub-Areas—Population and Average Annual Growth Rate (AAGR) (2015, 2035, and 2065)

	2015	2035	2065	AAGR (2015-2035)	AAGR (2035-2065)	Share of County 2015	Share of County 2035	Share of County 2065
<i>Deschutes County</i>	170,606	249,037	357,345	1.9%	1.2%	100.0%	100.0%	100.0%
Bend <sup>1</sup>	85,737	132,209	194,793	2.2%	1.3%	50.3%	53.1%	54.5%
Redmond	27,715	39,812	64,785	1.8%	1.6%	16.2%	16.0%	18.1%
Smaller UGBs <sup>2</sup>	4,002	7,389	13,048	3.1%	1.9%	2.3%	3.0%	3.7%
Outside UGBs	53,151	69,627	84,719	1.4%	0.7%	31.2%	28.0%	23.7%

Source: Forecast by Population Research Center (PRC)

<sup>1</sup> For simplicity each UGB is referred to by its primary city's name.

<sup>2</sup> Smaller UGBs are those with populations less than 8,000 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.
3. For county sub-areas where population growth has been flat or declined, and there is no planned housing construction, we hold population growth stable with no change.

## County and Smaller Sub-Areas—Population and AAGR (2015, 2035, and 2065)

	2015	2035	2065	AAGR (2015-2035)	AAGR (2035-2065)	Share of County 2015	Share of County 2035	Share of County 2065
<i>Deschutes County</i>	170,606	249,037	357,345	1.9%	1.2%	100.0%	100.0%	100.0%
Sisters <sup>1</sup>	2,315	4,375	7,212	3.2%	1.7%	1.4%	1.8%	2.0%
La Pine	1,687	3,014	5,836	2.9%	2.2%	1.0%	1.2%	1.6%
Larger UGBs <sup>2</sup>	113,453	172,021	259,578	2.1%	1.4%	66.5%	69.1%	72.6%
Outside UGBs	53,151	69,627	84,719	1.4%	0.7%	31.2%	28.0%	23.7%

Source: Forecast by Population Research Center (PRC)

<sup>1</sup> For simplicity each UGB is referred to by its primary city's name.

<sup>2</sup> Larger UGBs are those with populations greater than 8,000 in forecast launch year.



## Historical and Forecast Populations for Deschutes County and its Sub-Areas

	Historical			Forecast				
	2000	2010	AAGR (2000-2010)	2015	2035	2065	AAGR (2015-2035)	AAGR (2035-2065)
<i>Deschutes County</i>	115,367	157,733	3.2%	170,606	249,037	357,345	1.9%	1.2%
Bend <sup>1</sup>	52,041	76,858	4.0%	85,737	132,209	194,793	2.2%	1.3%
La Pine	899	1,653	6.3%	1,687	3,014	5,836	2.9%	2.2%
Redmond	15,524	26,508	5.5%	27,715	39,812	64,785	1.8%	1.6%
Sisters	961	2,038	7.8%	2,315	4,375	7,212	3.2%	1.7%
Outside UGBs	45,942	50,676	1.0%	53,151	69,627	84,719	1.4%	0.7%

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

<sup>1</sup> For simplicity each UGB is referred to by its primary city's name.

# Local Input and Additional Information

- Questions?
- Discussion time