Oregon Population Forecast Program
Regional Forecast Meeting – March 12, 2019

Preliminary Coordinated Forecasts for Union County, its Urban Growth Boundaries (UGBs), and the Area Outside UGBs
Oregon Population Forecast Program
Project Team

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Kevin Rancik, GIS and Research Analyst

Rhey Haggerty, Graduate Research Assistant

Charles Rynerson, Research Consultant
Agenda

• Present and discuss preliminary forecast results
  • Proposed Forecasts by March 31st, 2019; To be posted on Oregon Population Forecast Program (OPFP) website: http://www.pdx.edu/prc/opfp

• Explain our assumptions for future change

• Obtain your feedback
Preliminary Forecast Results

2018-2021 Update

- Modified Methodology (50 Year Period)
- Forecast Methods (2019-44)
  - Cohort-Component and Housing Unit Model
- Modified Method (2044-69):
  - County: AAGR of the last 5 year period (2040-45) is extrapolated out for the remaining 25 years.
  - Sub-areas: Trend the sub-area share of the County for the remaining 25 years.

These numbers represent Preliminary Forecast Results
Assumptions for Union County and Larger Sub-Area Forecasts

1. As the economy strengthens, we assume net in-migration and housing construction to persist through the 2010-2020 decade.
   a) Despite the recent influx of net in-migration over the last few years, we expect population growth to slow in the 2020-25 period as job growth slows and Oregon’s population ages.
   b) Net in-migration will increase steadily over the forecast period in tandem with deaths as housing becomes available.
2. We incorporate state and local trends into our assumptions for fertility and mortality.
   a) As a result of aging Baby Boomers, deaths increase and peak in the 2040s.
   b) Total fertility rates remain stable throughout the period, but births stagnate.
   c) As a result, the County and its sub-areas will continue to experience a natural decrease at a growing magnitude.
3. Total population is expected to increase as net in-migration outpaces natural decrease.
Preliminary Forecast Results

These numbers represent *Preliminary* Forecast Results

Union County—Total Population by Five-year Intervals (2019-2069)

Source: Forecast by Population Research Center (PRC).
These numbers represent *Preliminary* Forecast Results.
Historical and Forecast Trends

Union 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.

These numbers represent Preliminary Forecast Results
## Historical and Forecast Trends

These numbers represent *Preliminary* Forecast Results

<table>
<thead>
<tr>
<th>Total Fertility Rate (TFR)</th>
<th>2000</th>
<th>2010</th>
<th>2044</th>
</tr>
</thead>
<tbody>
<tr>
<td>Union County</td>
<td>1.90</td>
<td>1.72</td>
<td>1.96</td>
</tr>
<tr>
<td>Region 2</td>
<td>2.32</td>
<td>2.37</td>
<td>2.24</td>
</tr>
</tbody>
</table>

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

*Note: 2000 and 2010 are annual, whereas TFR for 2044 is calculated for the 2040 to 2045 forecast period.*
Union County—Age Specific Fertility Rate (2000, 2010, and 2044)


These numbers represent Preliminary Forecast Results.
Total Fertility Rates by Ethnicity, Oregon Residents, 1990 to 2017

Based on Age-Specific Fertility Rates

Sources: PEPASR6H-Geography-OregonYear- July 1, 2017 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, 2017
Population Research Center (PRC), 2017 Population Estimates
Union County—Average Annual Deaths

<table>
<thead>
<tr>
<th>Year</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>248</td>
</tr>
<tr>
<td>2015</td>
<td>262</td>
</tr>
<tr>
<td>2020</td>
<td>269</td>
</tr>
<tr>
<td>2025</td>
<td>285</td>
</tr>
<tr>
<td>2030</td>
<td>318</td>
</tr>
<tr>
<td>2035</td>
<td>354</td>
</tr>
<tr>
<td>2040</td>
<td>382</td>
</tr>
<tr>
<td>2045</td>
<td>394</td>
</tr>
</tbody>
</table>

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.

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

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Additional Historical Trends

Union County, Region 2, and Oregon—Ten Year Migration Rates (2000-2010)

Historical and Forecast Trends

These numbers represent Preliminary Forecast Results

Union County—Average Annual Net In/Out-Migration

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.
These numbers represent *Preliminary* Forecast Results.

**Union County—Average Annual Net In/Out-Migration**

<table>
<thead>
<tr>
<th>Period</th>
<th>Average annual net migrants</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000-2010</td>
<td>59</td>
</tr>
<tr>
<td>2010-2020</td>
<td>34</td>
</tr>
<tr>
<td>2020-2044</td>
<td>110</td>
</tr>
</tbody>
</table>

Note: The average annual numbers were calculated for the 10 year periods (2000-2010 and 2010-2020) and the 24 year period (2020-2044).
Historical and Forecast Trends

These numbers represent Preliminary Forecast Results

Union County's Larger Sub-Areas—Average Annual Net In/Out-Migration

Note: The average annual numbers were calculated for the 10 year periods (2000-2010 and 2010-2020) and the 24 year period (2020-2044).
Historical and Forecast Trends

Union County—Age Structure of the Population

Source: Forecast by Population Research Center (PRC)

These numbers represent Preliminary Forecast Results
### Historical and Forecast Populations for Union County and its Sub-Areas

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td></td>
<td>2000</td>
<td>2010</td>
<td></td>
<td>2019</td>
<td>2044</td>
<td>2069</td>
</tr>
<tr>
<td><strong>Union County</strong></td>
<td>24,530</td>
<td>25,748</td>
<td>0.5%</td>
<td>26,343</td>
<td>27,635</td>
<td>28,610</td>
</tr>
<tr>
<td>Cove</td>
<td>594</td>
<td>552</td>
<td>-0.7%</td>
<td>552</td>
<td>559</td>
<td>558</td>
</tr>
<tr>
<td>Elgin</td>
<td>1,666</td>
<td>1,747</td>
<td>0.5%</td>
<td>1,695</td>
<td>1,845</td>
<td>1,984</td>
</tr>
<tr>
<td>Imbler</td>
<td>284</td>
<td>319</td>
<td>1.2%</td>
<td>337</td>
<td>385</td>
<td>429</td>
</tr>
<tr>
<td>Island City</td>
<td>973</td>
<td>1,056</td>
<td>0.8%</td>
<td>1,165</td>
<td>1,349</td>
<td>1,534</td>
</tr>
<tr>
<td>La Grande</td>
<td>13,062</td>
<td>13,645</td>
<td>0.4%</td>
<td>13,960</td>
<td>14,570</td>
<td>14,994</td>
</tr>
<tr>
<td>North Powder</td>
<td>460</td>
<td>435</td>
<td>-0.6%</td>
<td>423</td>
<td>421</td>
<td>413</td>
</tr>
<tr>
<td>Summerville</td>
<td>117</td>
<td>135</td>
<td>1.4%</td>
<td>131</td>
<td>139</td>
<td>145</td>
</tr>
<tr>
<td>Union City</td>
<td>1,877</td>
<td>2,107</td>
<td>1.2%</td>
<td>2,141</td>
<td>2,347</td>
<td>2,533</td>
</tr>
<tr>
<td>Outside UGBs</td>
<td>5,497</td>
<td>5,752</td>
<td>0.5%</td>
<td>5,940</td>
<td>6,020</td>
<td>6,021</td>
</tr>
</tbody>
</table>

**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.
### County and Larger Sub-Areas—Population and Average Annual Growth Rate (AAGR) (2019, 2044, and 2069)

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<tr>
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<th>2019</th>
<th>2044</th>
<th>2069</th>
<th>AAGR (2019-2044)</th>
<th>AAGR (2044-2069)</th>
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<td>5,940</td>
<td>6,020</td>
<td>6,021</td>
<td>0.1%</td>
<td>0.0%</td>
<td>22.5%</td>
<td>21.8%</td>
<td>21.0%</td>
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*Source: Forecast by Population Research Center (PRC)*

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These numbers represent **Preliminary** Forecast Results.
Assumptions for Smaller Sub-Area Forecasts

1. For UGBs experiencing population growth, we assume future housing construction will follow historic patterns. For 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.

2. If planned housing units were reported in the surveys, then we account for them being constructed over the next 5-10 years.

3. With fewer children on the horizon, we expect Persons per Household (PPH) rates to decline steadily over time.
### County and Smaller Sub-Areas—Population and Average Annual Growth Rate (AAGR) (2019, 2044, and 2069)

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Source: Forecast by Population Research Center (PRC)

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

2020 Census

www.census2020now.org

Census Project Manager: Aldo Solano (Aldo.SOLANO@oregon.gov)
Oregon Partnership Specialist: Nick Brown (nicholas.a.brown@2020census.gov)
Umatilla Partnership Specialist: Sarah Bushore (sarah.m.bushore@2020census.gov)

TOOLS & RESOURCES

These numbers represent Preliminary Forecast Results
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National League of Cities

City Census Checklist

Cities Count: Preparing for the 2020 Census

November 7, 2018

"Municipal governments have an important relationship with the census—both as consumers of the invaluable data it gathers and as partners in ensuring the complete and accurate count of our cities."

The National League of Cities (NLC) supports the Census Bureau’s mission to "serve as the nation’s leading provider of quality data about its people and economy." We also understand the many ways in which Census Bureau data impact a city. These resources have been assembled to provide local leaders with objective information about and resources to prepare for the upcoming 2020 Census.

Read our Census Action Guide

Why the Census Matters to Cities

> An accurate census helps ensure fair representation at all levels of government. The primary constitutional purpose for the decennial census is to determine how many congressional representatives each state will have for the next decade and to ensure equal representation in the redistricting process. For instance, congressional districts and the boundaries of your city ward are determined by census numbers.

Preparing for the 2020 Census

2018

☐ Enroll in the Local Update of Census Address (LUCA) program.
☐ Receive, update and return my city's LUCA review materials.
☐ Form a Complete Count Committee (CCC), or more than one if needed.
☐ Hold our first CCC meeting.

2019

☐ Develop a CCC action plan for our city.
☐ Ensure our city's workforce board is making our community aware of enumerator and other field and area office positions and is facilitating applications.
☐ Participate in the New Construction program.
☐ Meet with census officials or partnership specialists from a field, area or national office to discuss my city's readiness; share our action plan and discuss our HTF populations.

2020

☐ Install online response kiosks in a publicly accessible city building such as city hall or library.
☐ Use our city's social media presence to amplify messages about the upcoming census.
☐ Hold a public event to promote civic engagement and the 2020 Census participation.
2020 Census Jobs

The U.S. Census Bureau is recruiting thousands of people across the country to assist with the 2020 Census count.

https://2020census.gov/jobs.html

1-855-JOB-2020 (1-855-562-2020)

• select option 1 for technical assistance or option 3 to speak with someone at your area census office.
Local Input and Additional Information

• Questions?
• Discussion time