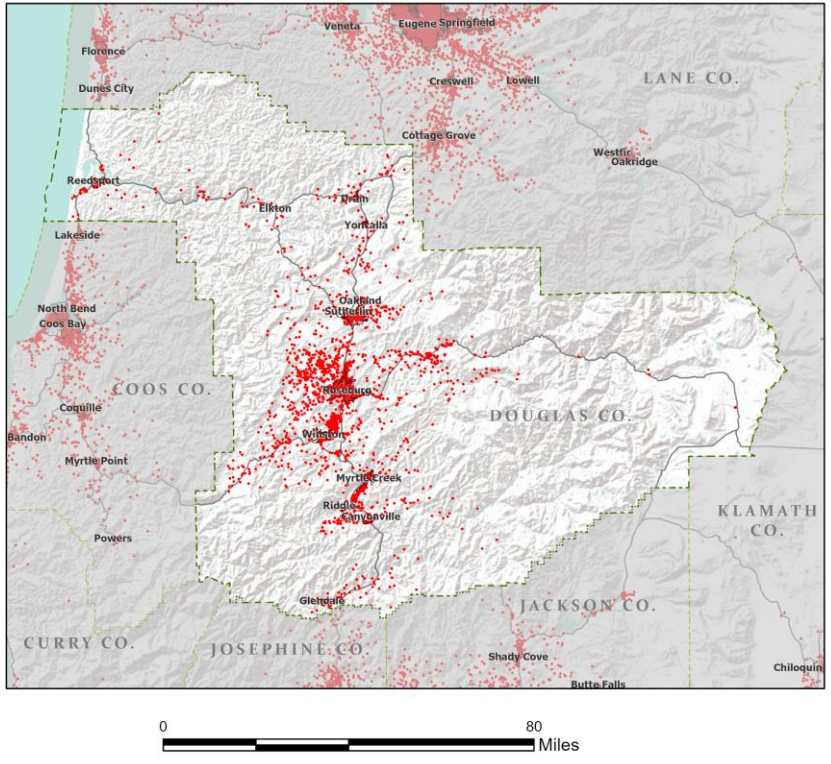
Oregon Population Forecast Program

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

March 2022

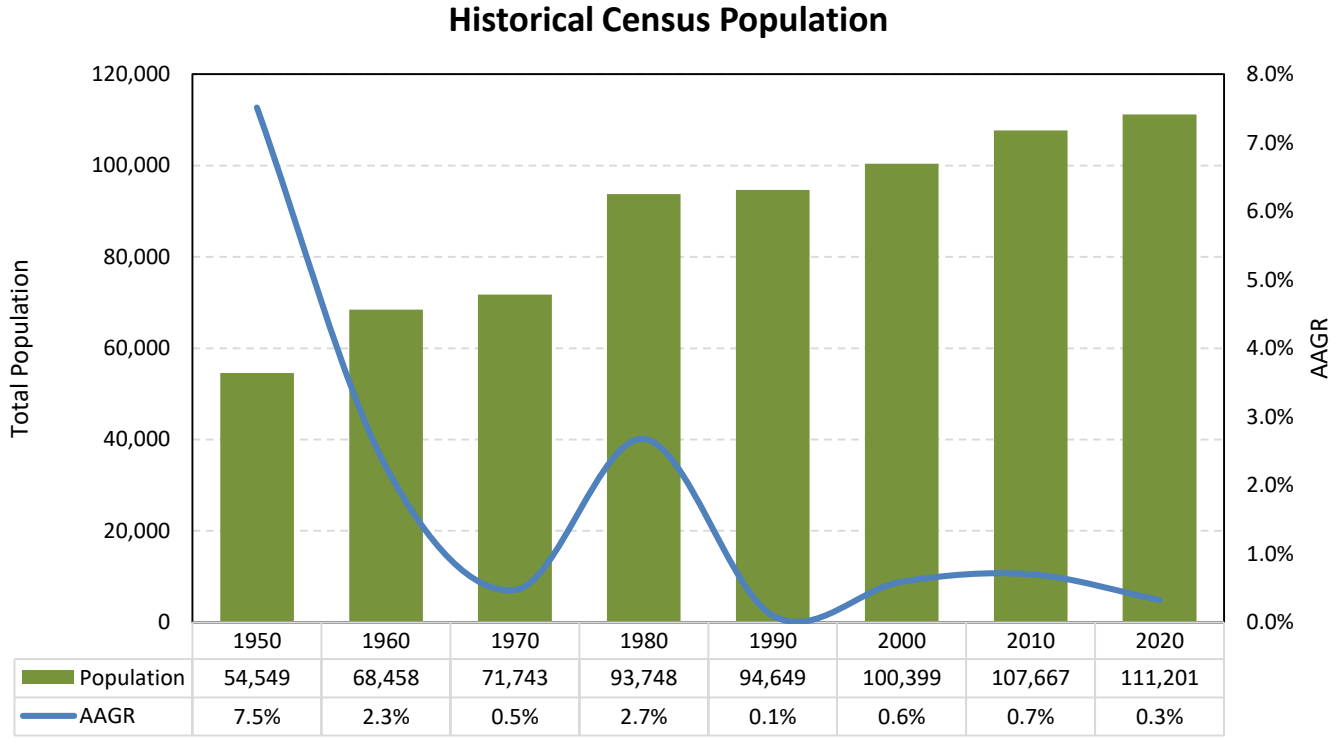
Population: Douglas County



Douglas County

Proposed Forecast Results

Douglas County experienced the highest population growth in the 1950 Census and a second peak growth in the 1980 Census. Population has maintained an AAGR between 0.1% and 0.7% since 1980. The most recent Census showed an AAGR of 0.3% between 2010 and 2020.

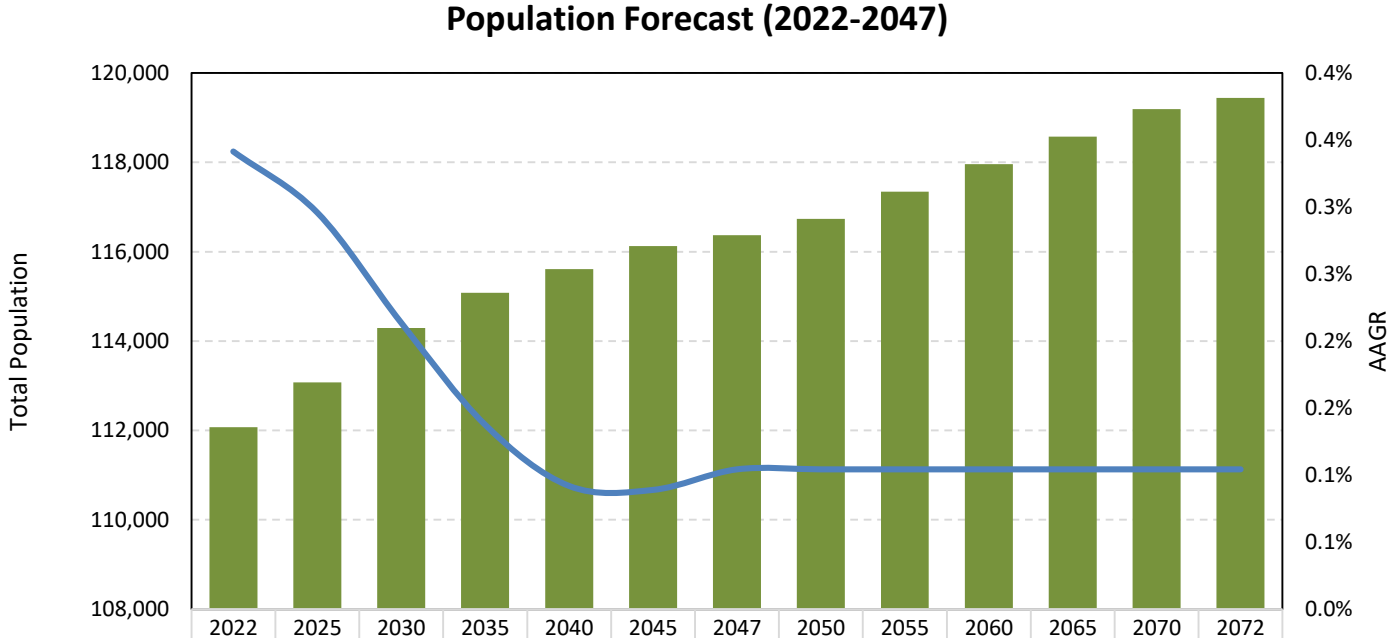


	1950	1960	1970	1980	1990	2000	2010	2020
Population	54,549	68,458	71,743	93,748	94,649	100,399	107,667	111,201
AAGR	7.5%	2.3%	0.5%	2.7%	0.1%	0.6%	0.7%	0.3%

Source: US Census Bureau Decennial Census

Proposed Forecast Results

Douglas County's population is projected to gradually increase throughout the forecast period. The AAGR is projected to be 0.1% by 2045. The total population is 119,442 by the end of the forecast period, an increase of 7% from 2022.

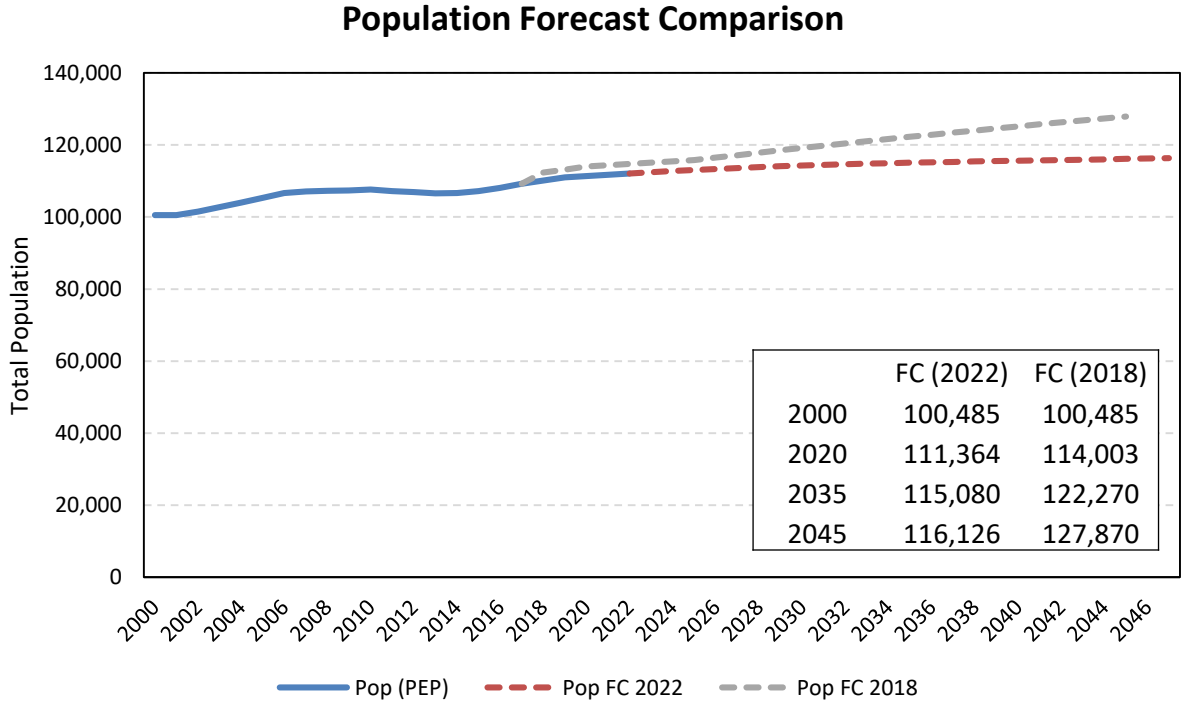


	2022	2025	2030	2035	2040	2045	2047	2050	2055	2060	2065	2070	2072
Population	112,076	113,076	114,291	115,080	115,610	116,126	116,368	116,733	117,343	117,957	118,573	119,193	119,442
AAGR	0.3%	0.3%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Source: Forecasted by Population Research Center (PRC)

Proposed Forecast Results

The current forecast is lower compared to the 2018 forecast. Current forecast puts Douglas County's population at 116,126 by 2045, while the 2018 forecast projected a population of 127,870 by 2045.



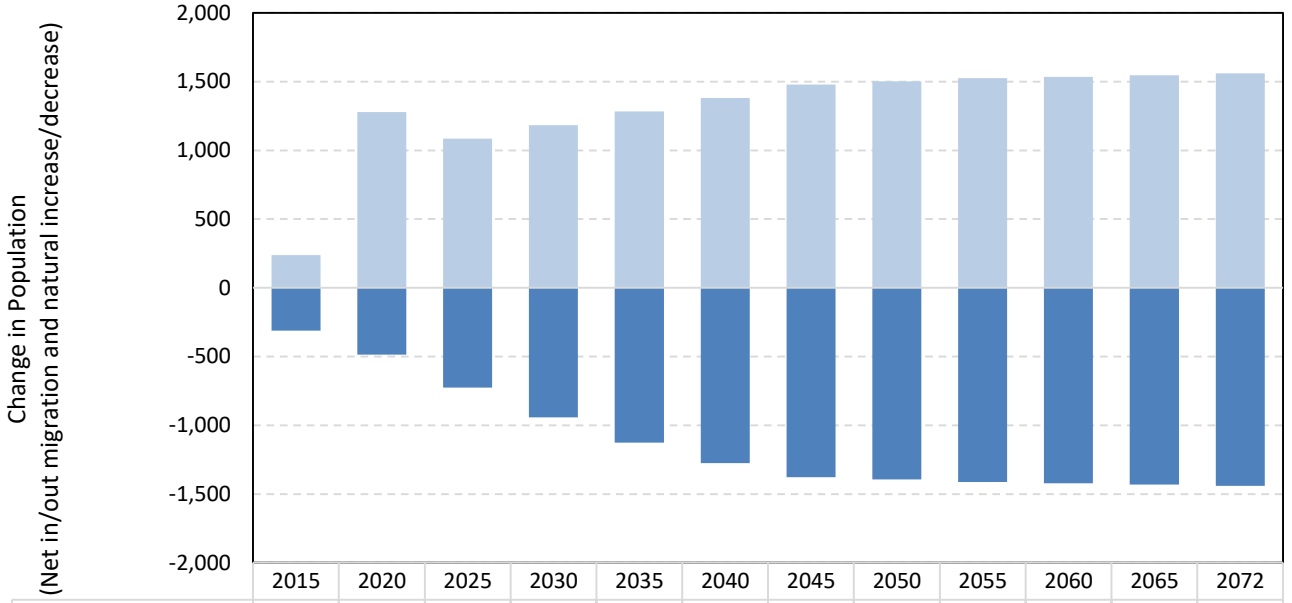
	FC (2022)	FC (2018)
2000	100,485	100,485
2020	111,364	114,003
2035	115,080	122,270
2045	116,126	127,870

Source: US Census Bureau Population Estimates Program (PEP). Forecast by Population Research Center (PRC)
Note: PEP estimates may be different from the 2020 Census.

Proposed Forecast Results

Natural decrease in Douglas County will continue throughout the forecast period. Deaths are projected to increase at a faster pace than births, indicating higher natural decrease. Population increase in the county relies on in-migration.

Components of Population Change by 5-year Intervals (2015-2072)



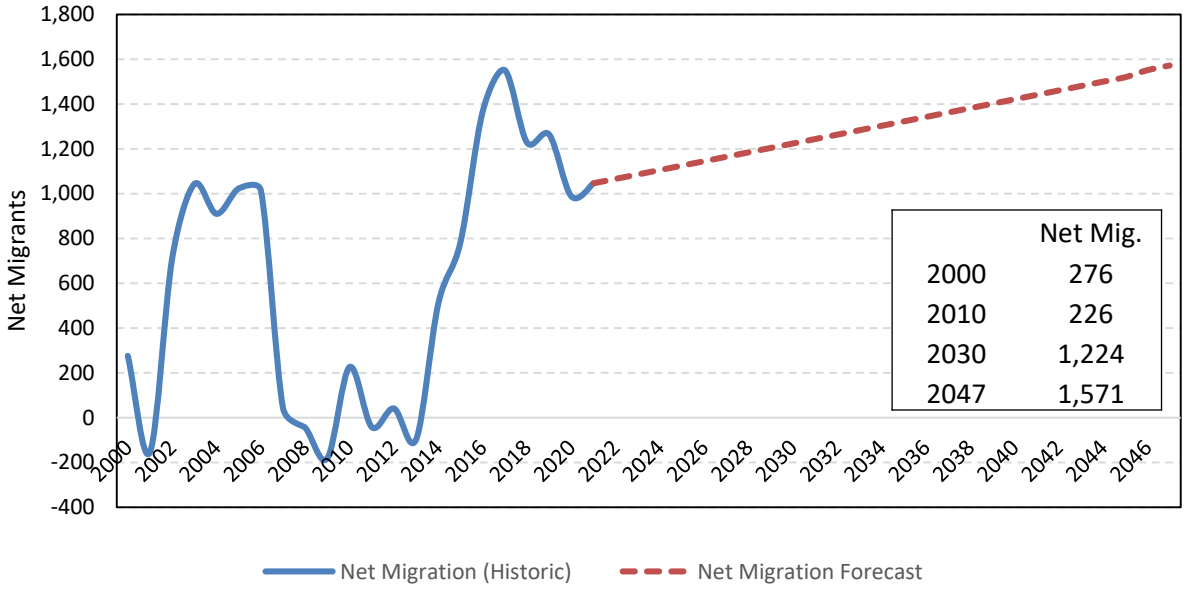
	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2072
Net In/Out Migration	239	1,279	1,086	1,184	1,283	1,381	1,480	1,502	1,524	1,535	1,547	1,561
Natural Inc/Dec	-312	-486	-725	-941	-1,125	-1,275	-1,377	-1,394	-1,413	-1,422	-1,431	-1,440

Source: Forecast by Population Research Center (PRC)

Historical and Forecast Trends

Annual net migration is projected to increase over time, reaching over 1,500 in 2047. Net migration peaked in 2017 with 1,551 people and has declined since then. However, we assume that net migration will not reach a low point similar to that of 2009 unless under the case of extreme events.

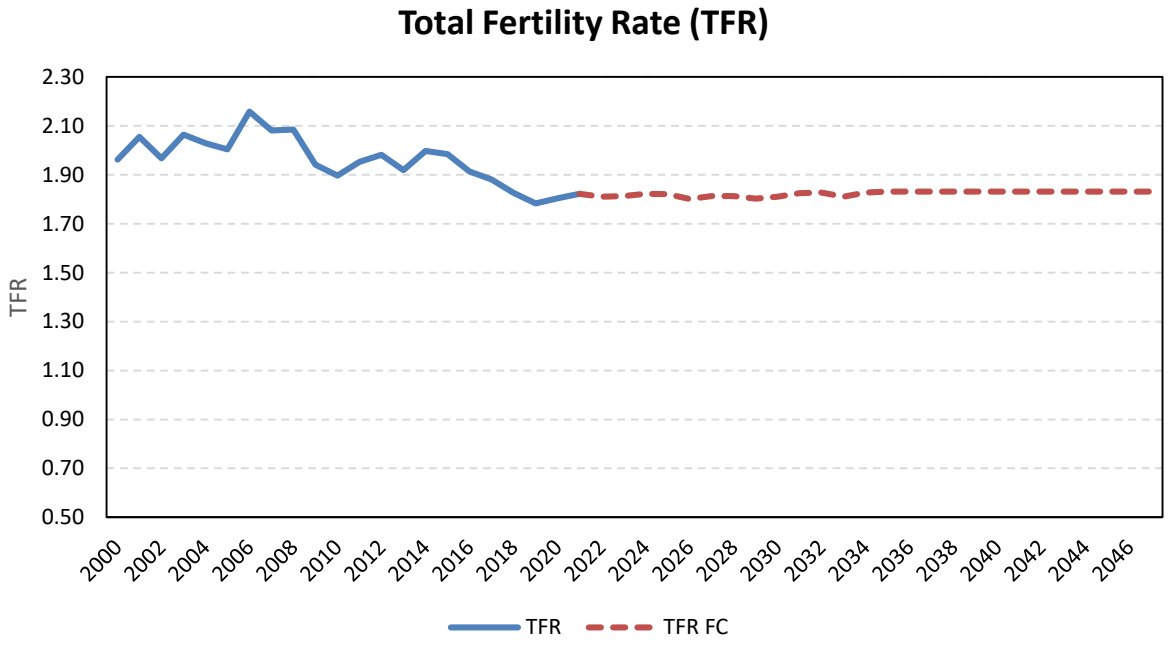
Annual Net Migration (2000-2047)



Sources: US Census Bureau. Forecast by Population Research Center (PRC).

Historical and Forecast Trends

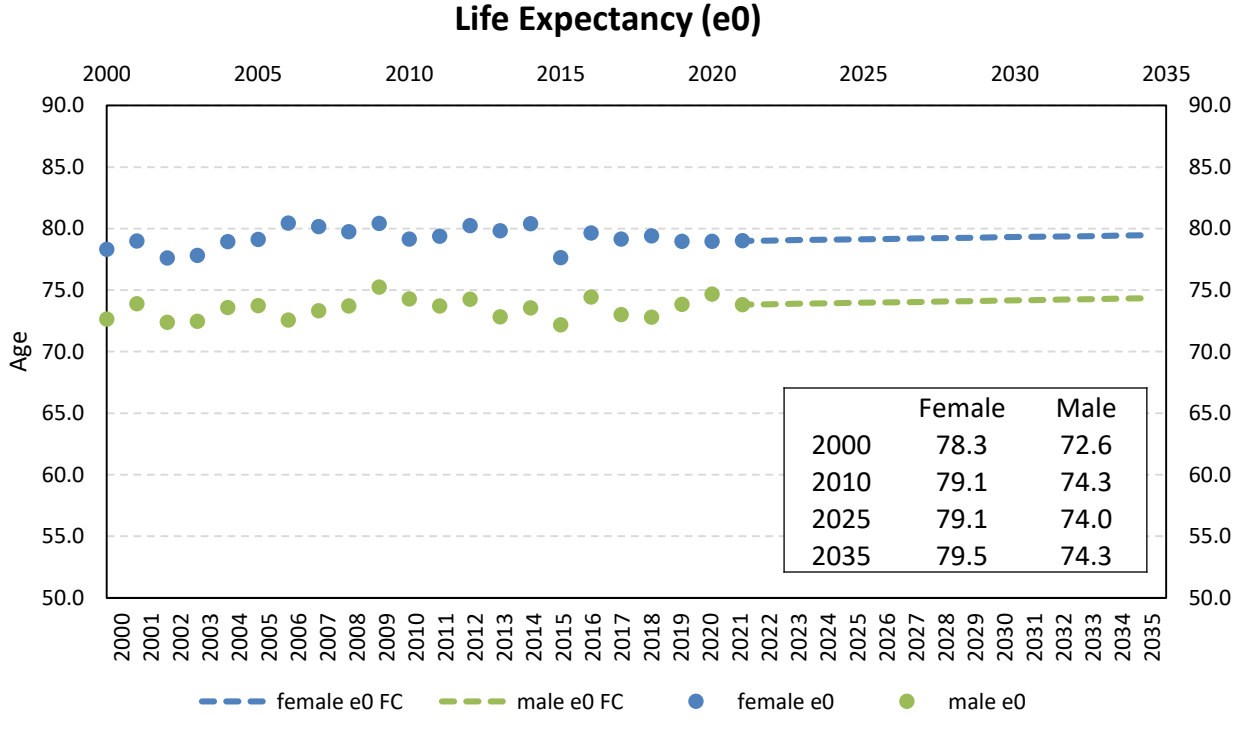
The total fertility rate (TFR) for women age 15-44 in the county is projected to remain relatively steady at ~1.8 throughout the forecast period. TFR has dropped since 2015 and has remained under 2.0.



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

Historical and Forecast Trends

Life expectancy for both female and male is projected to follow an increasing trend over time. In 2035, female life expectancy is 79.5 and male life expectancy is 74.3.



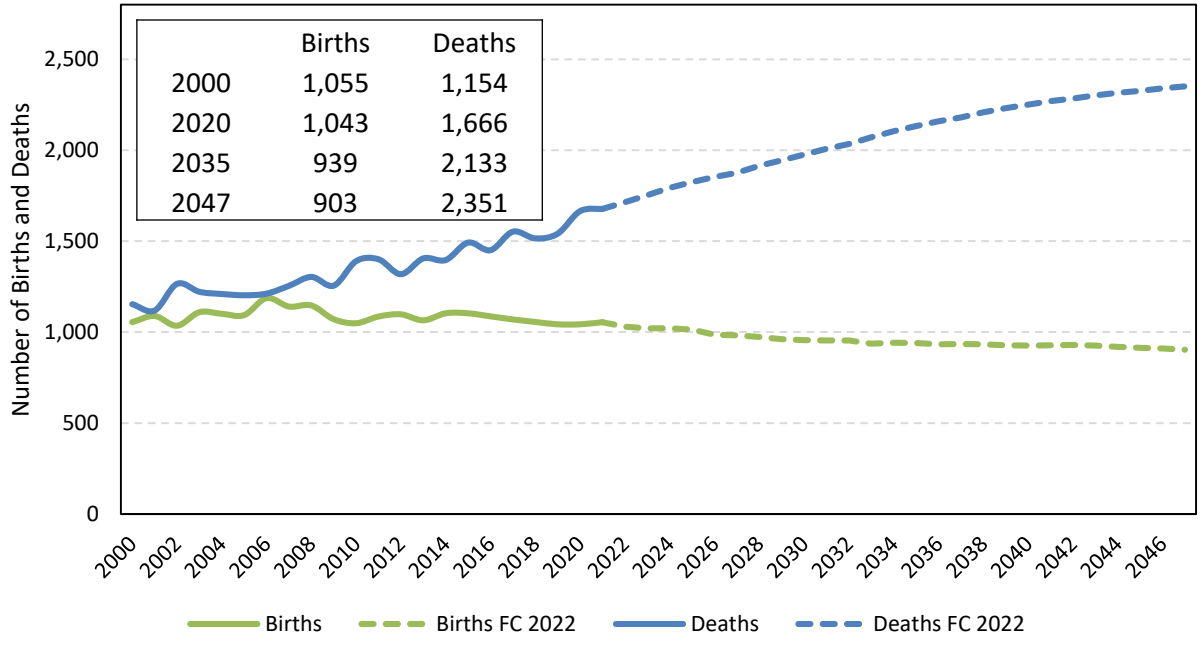
	Female	Male
2000	78.3	72.6
2010	79.1	74.3
2025	79.1	74.0
2035	79.5	74.3

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

Historical and Forecast Trends

The number of births is projected to decrease slightly over time while the number of deaths increases. Annual deaths is projected to reach 2,351 in 2047, compared to 1,666 in 2020. Annual births is projected to decrease to 903 in 2047 from 1,043 in 2020.

Historical and Forecast Annual Births and Deaths (2000-2047)



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

Historical and Forecast Trends

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Population Age Structure

Source: Forecast by Population Research Center (PRC)
[Historical trend]

These numbers represent ***Proposed*** Forecast Results

Assumptions: Sub-Areas

1. All sub-area forecasts use a housing unit method rather than a cohort-component model for consistency.
2. For 2022-2030, if planned housing units were reported in the surveys, we expect that they will be built by 2030, and thus, development rate derived from the surveys or received reports was applied. If no planned housing units were reported, recent development rate (2010-2020) was used.
3. For 2030-2047, housing unit growth was based on either a weighted average or an extrapolation of historic trend (1990-2020). Assumptions were made for individual cities based on current knowledge.
4. We expect persons per household (PPH) to stay relatively constant over time with no major changes. Although the median age tend to increase slightly, aggressive increases in median age are not expected in the short term to post significant impact in the forecast.
5. Population forecasts for sub-areas are controlled by the county-level forecasts, e.g., sub-area populations are allocated using the county total (top-down approach), and the population summation of the sub-areas does not exceed the county population.

Historical and Forecast Trends

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Historical and Forecast Population for Douglas County and its Sub-Areas

	Historical			Forecast				
	2010	2020	AAGR (2010-2020)	2022	2047	2072	AAGR (2022-2047)	AAGR (2047-2072)
Douglas County	107,667	111,201	0.3%	112,076	116,368	119,442	0.2%	0.1%
Larger UGBs								
Roseburg	26,659	29,105	0.9%	29,452	34,068	37,359	0.6%	0.4%
Sutherlin	8,205	8,947	0.9%	9,384	9,457	9,565	0.0%	0.0%
Smaller UGBs								
Canyonville	2,226	2,156	-0.3%	2,078	1,977	1,823	-0.2%	-0.3%
Drain	1,421	1,336	-0.6%	1,285	1,138	869	-0.5%	-1.1%
Elkton	188	156	-1.9%	173	160	122	-0.3%	-1.1%
Glendale	1,077	903	-1.8%	874	839	736	-0.2%	-0.5%
Myrtle Creek	6,106	6,254	0.2%	6,277	6,443	6,915	0.1%	0.3%
Oakland	1,076	1,045	-0.3%	1,056	1,088	1,110	0.1%	0.1%
Reedsport	4,736	5,002	0.5%	4,970	4,688	4,427	-0.2%	-0.2%
Riddle	1,281	1,205	-0.6%	1,228	1,371	1,464	0.4%	0.3%
Winston	6,126	6,294	0.3%	6,403	7,676	8,835	0.7%	0.6%
Yoncalla	1,426	1,280	-1.1%	1,125	1,049	847	-0.3%	-0.9%
Outside UGBs	47,140	47,518	0.1%	47,773	46,414	45,371	-0.1%	-0.1%

Note: UGBs are indicated by their city names. Lager sub-areas are those with populations over 8,000 in 2020.
Sources: U.S. Census Bureau; Forecast by Population Research Center (PRC)

These numbers represent ***Proposed*** Forecast Results

Proposed Forecast Results

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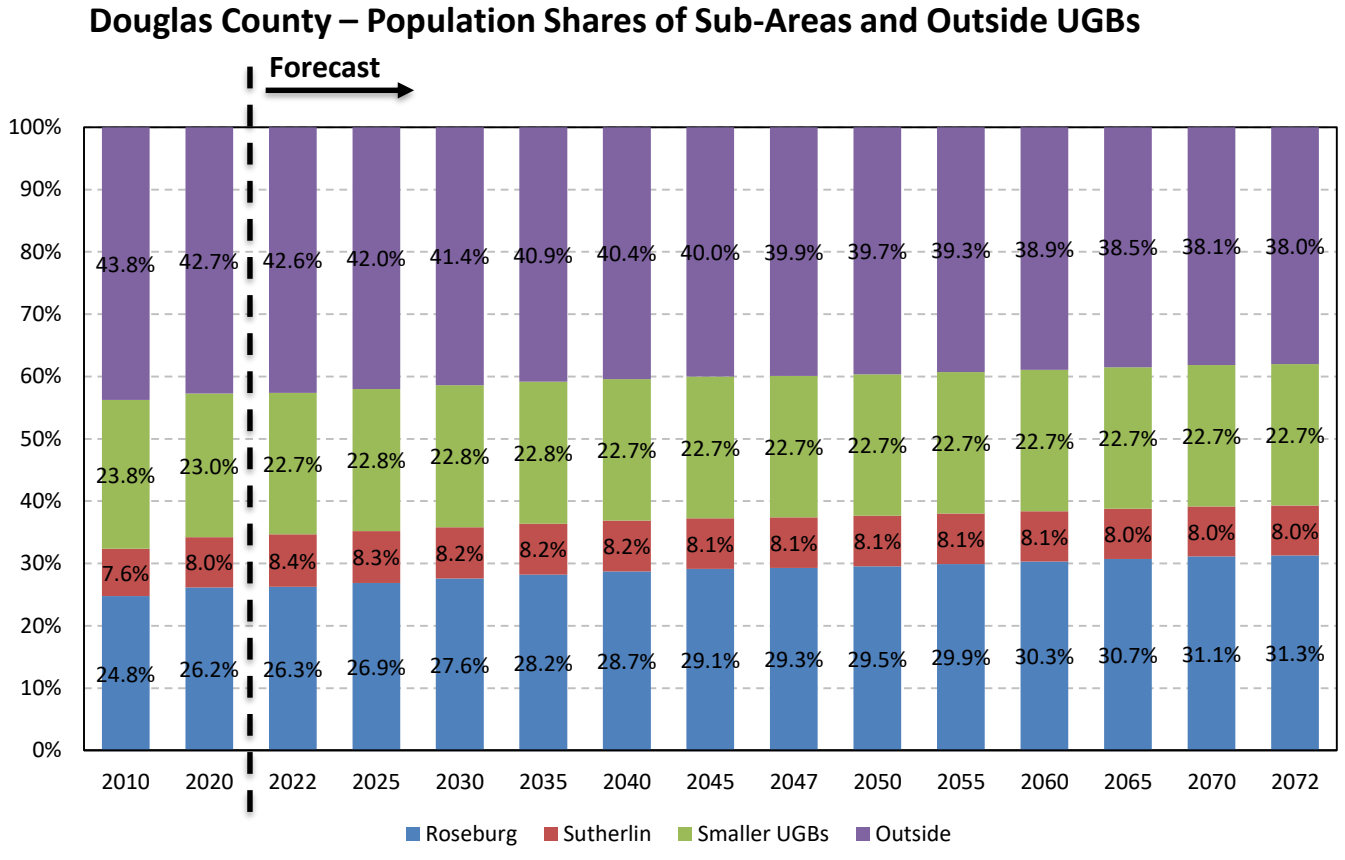
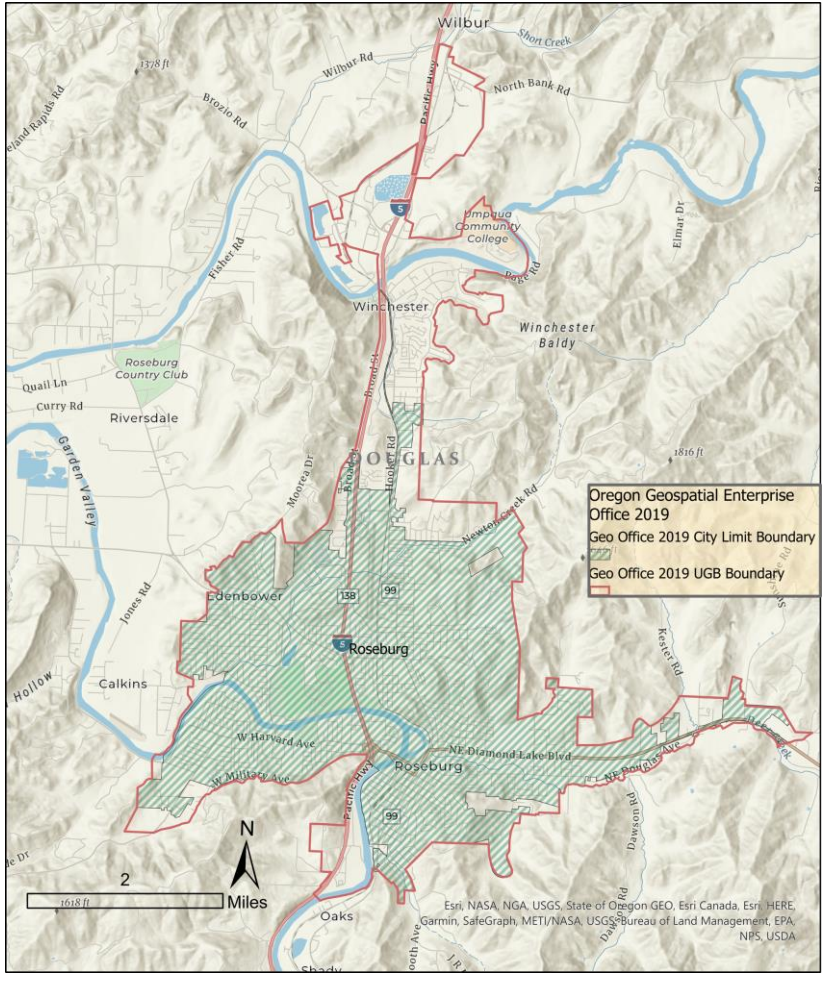
This figure shows the percentage of the county population that is in each group of sub-areas. Over time, the share of population living inside the UGBs increase while the share of population outside of UGBs decrease. Roseburg continues have the largest share of population among the UGBs. The share of smaller UGBs tends to remain consistent over time.



Sources: U.S. Census Bureau; Forecast by Population Research Center (PRC).
Note: Sub-areas with populations under 8,000 in 2020 were considered smaller UGBs

Proposed Forecast Results



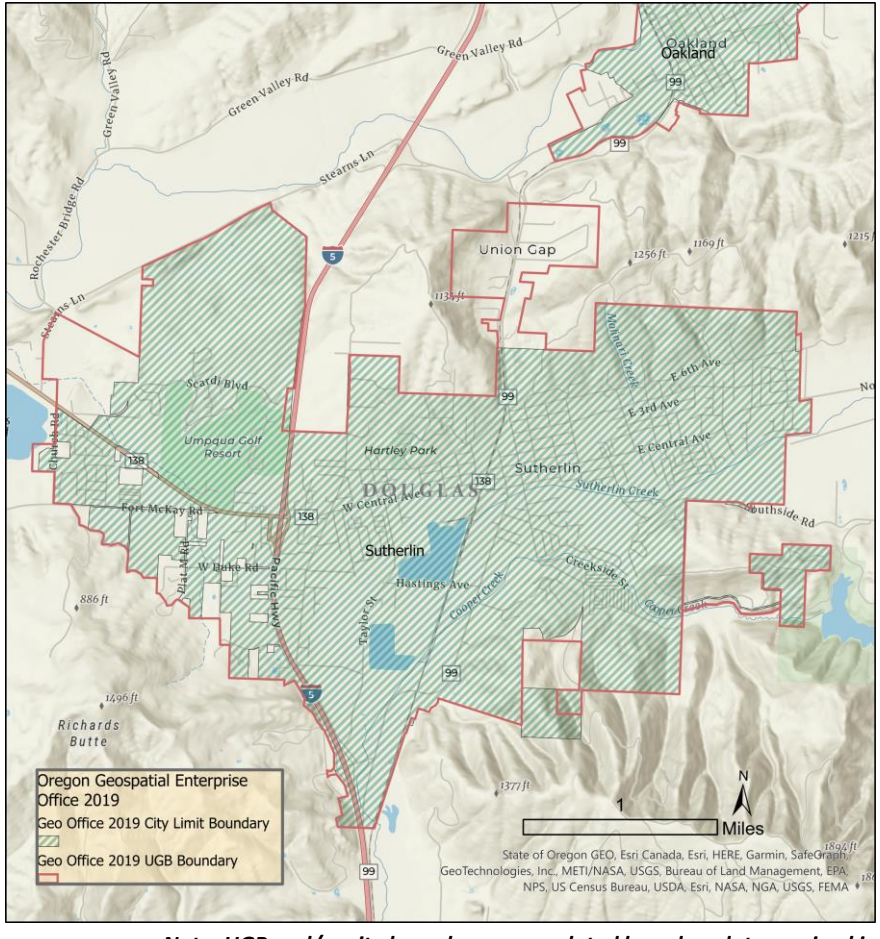
Population Distribution in Larger Sub-Areas

	Population	Share of County
Roseburg UGB		
2022	29,452	26.3%
2047	34,068	29.3%
2072	37,359	31.3%

Sources: Forecast by Population Research Center (PRC)

These numbers represent ***Proposed*** Forecast Results

Proposed Forecast Results



Note: UGB and/or city boundary was updated based on data received in 2022.

Population Distribution in Larger Sub-Areas

	Population	Share of County
Sutherlin UGB		
2022	9,384	8.4%
2047	9,457	8.1%
2072	9,565	8.0%

Sources: Forecast by Population Research Center (PRC)

These numbers represent ***Proposed*** Forecast Results

Proposed Forecast Results

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Population Distribution in Smaller Sub-Areas

	Population			Share of County Population		
	2022	2047	2072	2022	2047	2072
Douglas County	112,076	116,368	119,442			
Canyonville	2,078	1,977	1,823	1.9%	1.7%	1.5%
Drain	1,285	1,138	869	1.1%	1.0%	0.7%
Elkton	173	160	122	0.2%	0.1%	0.1%
Glendale	874	839	736	0.8%	0.7%	0.6%
Myrtle Creek	6,277	6,443	6,915	5.6%	5.5%	5.8%
Oakland	1,056	1,088	1,110	0.9%	0.9%	0.9%
Reedsport	4,970	4,688	4,427	4.4%	4.0%	3.7%
Riddle	1,228	1,371	1,464	1.1%	1.2%	1.2%
Winston	6,403	7,676	8,835	5.7%	6.6%	7.4%
Yoncalla	1,125	1,049	847	1.0%	0.9%	0.7%
Outside UGBs	47,773	46,414	45,371	42.6%	39.9%	38.0%

Note: Smaller sub-areas refer to those with populations under 8,000 in 2020.
Sources: Forecast by Population Research Center (PRC)

Key Takeaways

1. We expect Douglas County's population to grow gradually over time at an annual rate between 0.1% and 0.3% in the next 50 years.
2. Annual net migration is projected to increase over time and reaching over 1,500 by 2047, which is close to the peaking point in 2017.
3. The number of deaths continues to increase at a relatively fast pace while births decline. The increase in deaths is associated with the population aging.
4. The population ages forward over time, with the oldest age group account for a larger share of population. With declining births, the share of the oldest population group is projected to increase rapidly in the next 25 years, doubling the its share of the county population.
5. The overall county-wide population is projected to grow and the population share inside the UGBs increases. Roseburg continues to take up the largest share of population inside the UGBs. Several smaller sub-areas are projected to see declining population. The population share outside of UGBs is expected to decrease.

Additional Historical Trends

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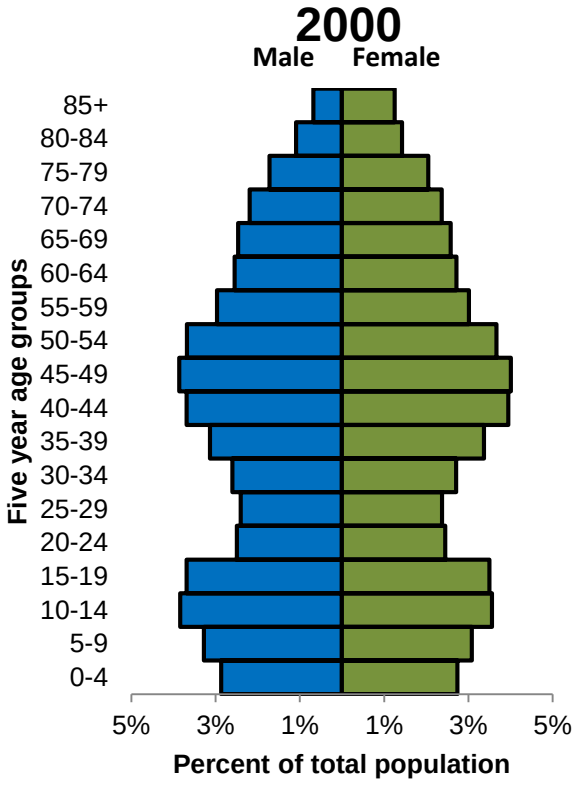
Race and ethnicity breakdown in 2010 and 2020

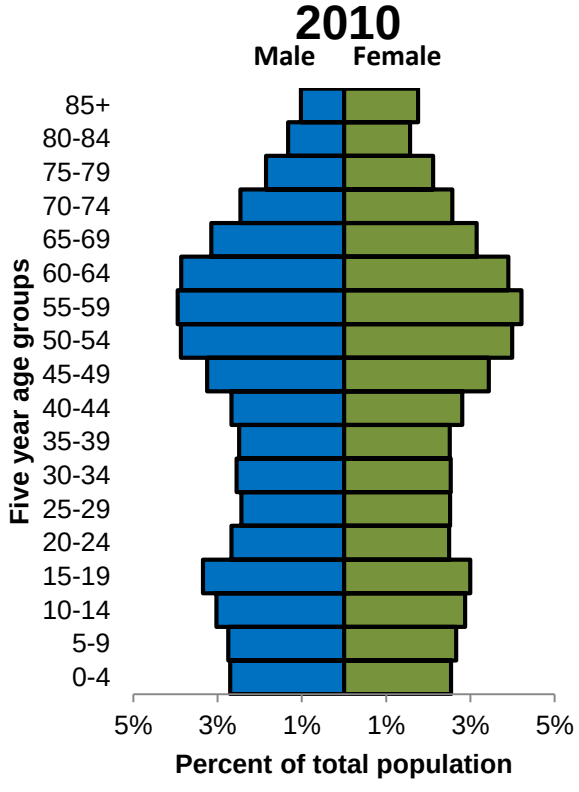
Hispanic or Latino and Race	2010		2020		Absolute Change	Relative Change
Total Population	107,667		111,201		3,534	3.3%
Hispanic or Latino (of any race)	5,055	4.7%	6,654	6.0%	1,599	31.6%
Not Hispanic or Latino	102,612	95.3%	104,547	94.0%	1,935	1.9%
White alone	96,343	89.5%	93,525	84.1%	-2,818	-2.9%
Black or African American alone	279	0.3%	383	0.3%	104	37.3%
American Indian and Alaska Native alone	1,799	1.7%	1,694	1.5%	-105	-5.8%
Asian alone	1,008	0.9%	1,185	1.1%	177	17.6%
Native Hawaiian and Other Pacific Islander alone	110	0.1%	151	0.1%	41	37.3%
Some Other Race alone	154	0.1%	532	0.5%	378	245.5%
Two or More Races	2,919	2.7%	7,077	6.4%	4,158	142.4%

Sources: US Census Bureau, 2010 and 2020 Decennial Census

Additional Historical Trends

These two age pyramids show the population from the 2000 and 2010 Census. Over time, the population ages forward. The older population accounts for an increasing share of the total population while the share of younger populations decreased.





Sources: US Census Bureau, 2000 and 2010 Decennial Census

Additional Historical Trends

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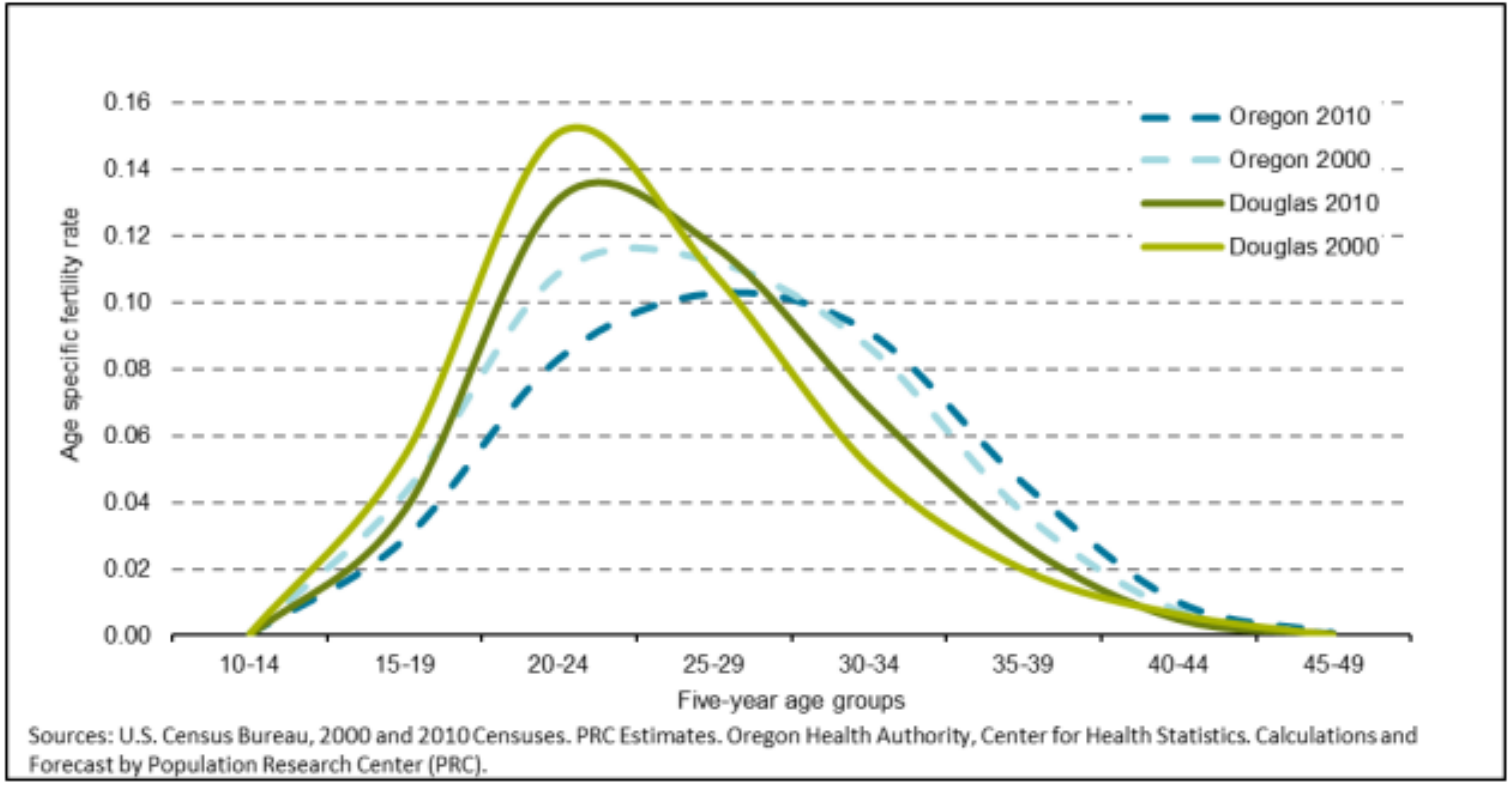
State and county level age-specific fertility rates



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).

Additional Historical Trends

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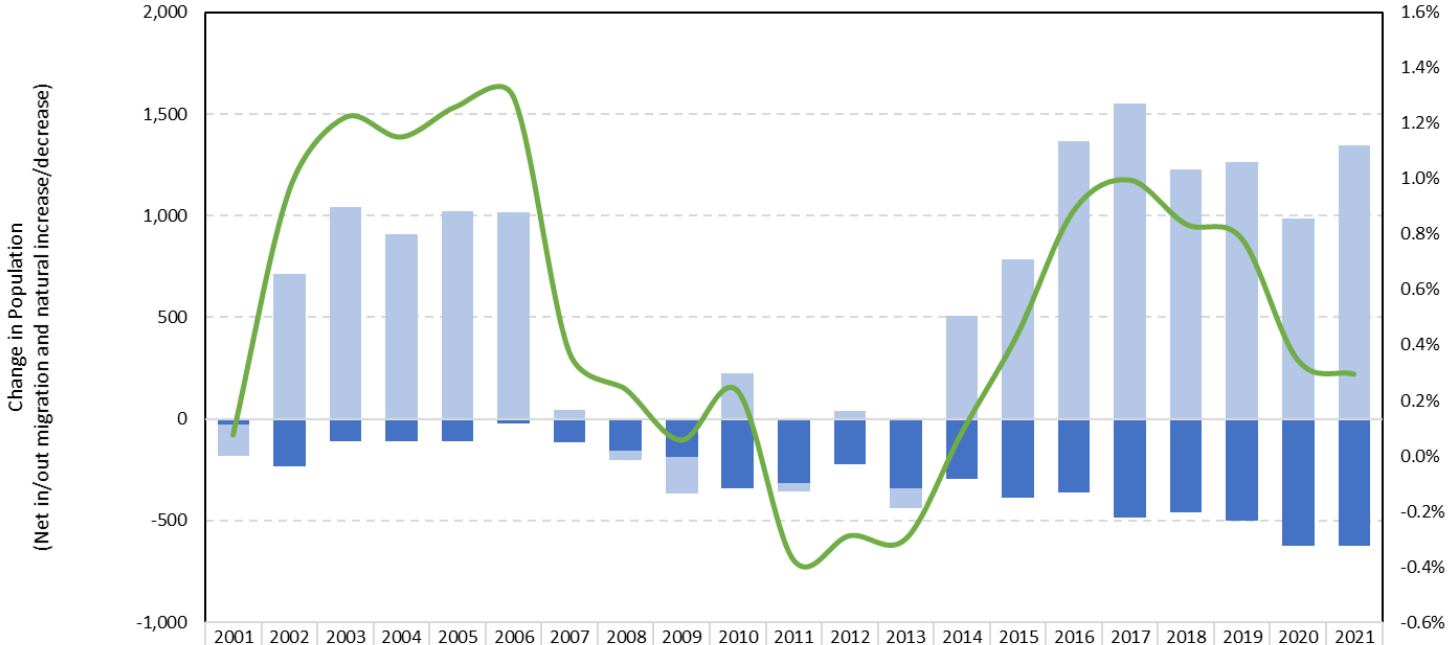
Components of Population Change and Average Annual Growth Rate (2001-2021)



	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
In/Out Migration	-154	711	1,043	910	1,023	1,014	42	-45	-181	226	-42	41	-97	509	783	1,366	1,551	1,228	1,264	988	1,348
Natural Inc/Dec	-30	-231	-112	-109	-109	-24	-114	-157	-185	-342	-315	-221	-341	-293	-389	-364	-483	-460	-499	-623	-623
AAGR	0.1%	1.0%	1.2%	1.2%	1.3%	1.3%	0.4%	0.2%	0.1%	0.2%	-0.4%	-0.3%	-0.3%	0.1%	0.4%	0.9%	1.0%	0.8%	0.8%	0.3%	0.3%

Sources: US Census Bureau. Oregon Health Authority (OHA). Calculated by Population Research Center (PRC)