The 2020 Census and Oregon Population Trends

Senate Committee on Redistricting

February 3, 2021

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Population Research Center
College of Urban and Public Affairs
Part 1: 2020 Census

• Planning, 2010 - 2019
  – Operation
  – Product development (data needs)
• Operations, 2019 - 2020
  – Collecting data
• Reporting, 2021
  – Publishing results
  – Challenging results
Planning, 2010-2016

• State Legislatures
  – NCSL Annual Meetings, 2010-2013
  – State Liaisons, 2013

• 2014 Census Test
  – “New methods and advanced technologies”

• 2015 National Content Test
  – race and ethnicity questionnaire design

• 2016 Census Test
  – Methodology for nonresponse follow-up
Planning: Race and Ethnicity

• Outreach and Research
  – National Advisory Committee on Racial, Ethnic and Other Populations
  – Tribal consultation meetings
  – 2015 National Content Test

• 2020 Census – two questions (OMB 1997)
  – Is Person 1 of Hispanic, Latino, or Spanish origin?
  – What is Person 1's race?
Hispanic Origin asked since 1970.

Race asked since 1790.

NOTE: Please answer BOTH Question 5 about Hispanic origin and Question 6 about race. For this census, Hispanic origins are not races.

5. Is this person of Hispanic, Latino, or Spanish origin?
   - Yes, Mexican, Mexican American, Chicano
   - Yes, Puerto Rican
   - Yes, Cuban
   - Yes, another Hispanic, Latino, or Spanish origin — Print origin for example, Argentine, Colombian, Dominican, Nicaraguan, Salvadoran, Spaniard, and so on.

6. What is this person’s race?
   - White
   - Black, African American, or Negro
   - American Indian or Alaska Native — Print name of enrolled or principal tribe.
   - Asian Indian
   - Chinese
   - Filipino
   - Vietnamese
   - Other Asian — Print race, for example, Hmong, Laotian, Thai, Pakistani, Cambodian, and so on.
   - Native Hawaiian
   - Guamanian or Chamorro
   - Samoan
   - Other Pacific Islander — Print race, for example, Fijian, Tongan, and so on.
   - Some other race — Print race or origin.
Planning, 2017-2018

• Report to Congress by March 31, 2017
  – subjects planned for 2020 Census

• Federal Register Notice, February 8, 2018
  – Final 2020 Census Residence Criteria and Residence Situations

• Report to Congress – by March 31, 2018
  – Question wording

• Federal Register Notice, May 1, 2018
  – Final Content Design for the Prototype 2020 Census Redistricting Data File.
Planning: 2017-2020

- Local Update of Census Addresses (LUCA), 2017 - 2019
- Participant Statistical Areas Program (PSAP), 2018-2020
- Boundary and Annexation Survey (BAS), Annual
Operations: 2019-2020

• Address Canvassing, 2019

• Field Operations, 2020
  – Group quarters outreach February 2020
  – Internet, mail, phone response began March 2020
  – Non-response follow-up scheduled to end July 26th; postponed to October 15th
  – COVID-19 pandemic, natural disasters
  – Transitory locations delayed to September
Operations: Self-response

• Field Operations: **Self-response**
  – National self-response rate 67.0%
  – Oregon 2020 self-response rate 69.2%
    • (internet 57.4%)
  – Oregon 2010 self-response 66.9%
Operations: NRFU

• Field Operations: Non-response follow-up (NRFU)
  – Repeat visits; phone
  – Administrative records
  – Proxy interviews (neighbors)
  – Household composition probability (imputation)
  – Re-interviews and verification

• Final response rate “99.98 percent”
  – Census Bureau, October 19, 2020
Reporting: Personal Data Confidentiality

• Disclosure Avoidance: “The use of Differential Privacy in protecting respondent data leads to the need to balance statistical accuracy with privacy loss.”
  – Census Bureau web page, Statistical Safeguards

• Invariant at these levels of geography and higher:
  – Total population (at the state level)
  – Total housing units (at the census block level)
  – Number of group quarters facilities by type (at the census block level)
Reporting: Apportionment

• We ... plan to deliver a complete and accurate state population count for apportionment in early 2021, as close to the statutory deadline as possible.
  – Census Bureau, December 30, 2020

• Counts used to determine each state's share of votes in the House of Representatives and the Electoral College for the next decade are now expected by April 30, 2021.
  – NPR, January 27, 2021
Reporting: Redistricting Data (PL94-171)

• Public Law 94-171 requires that the redistricting data be delivered to state officials within one year of Census Day or no later than April 1, 2021.

• Redistricting data is now not expected prior to July 30, 2021.

• Bipartisan bill in Congress to extend the deadlines
  – Senators Schatz and Murkowski
  – Reps. Young and Gallego
### Table P1: RACE (Universe: Total population)

#### Population of one race:
- White alone
- Black or African American alone
- American Indian and Alaska Native alone
- Asian alone
- Native Hawaiian and Other Pacific Islander alone
- Some Other Race alone

#### Two or More Races:
- 57 possible combinations
Table P2: HISPANIC OR LATINO, AND NOT HISPANIC OR LATINO
BY RACE (Universe: Total population)

<table>
<thead>
<tr>
<th>Category</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hispanic or Latino</td>
<td>Population of one race:</td>
</tr>
<tr>
<td></td>
<td>6 broad race groups</td>
</tr>
<tr>
<td>Not Hispanic or Latino</td>
<td>Two or More Races:</td>
</tr>
<tr>
<td></td>
<td>57 possible combinations</td>
</tr>
</tbody>
</table>
Table P3: RACE FOR THE POPULATION 18 YEARS AND OVER
(Universe: Total population 18 years and over)

Population of one race:
   6 broad race groups

Two or More Races:
   57 possible combinations
Reporting: PL94-171 Table P4

Table P4: HISPANIC OR LATINO, AND NOT HISPANIC OR LATINO BY RACE FOR THE POPULATION 18 YEARS AND OVER

(Universe: Total population 18 years and over)

Hispanic or Latino

Not Hispanic or Latino

Population of one race:

6 broad race groups

Two or More Races:

57 possible combinations
**Table P5: GROUP QUARTERS POPULATION BY GQ TYPE**

*Universe: Population in group quarters*

**Institutionalized population**
- Correctional facilities for adults
- Juvenile facilities
- Nursing facilities/Skilled-nursing facilities
- Other institutional facilities

**Noninstitutionalized population**
- College/University student housing
- Military Quarters
- Other noninstitutional facilities
Table H1: OCCUPANCY STATUS
(Universe: Housing Units)

Occupied
Vacant
Beyond Redistricting

• Additional data products
  – Demographic Profiles
  – Demographic and Housing Characteristics File
  – Special Reports

• Challenges: Count Question Resolution Program
  – Does not affect apportionment or redistricting counts or other 2020 census data products. Changes would be incorporated into Census Bureau population estimates.
  – Challenges are limited to location (geocoding, boundaries), and coverage (duplication or deletion of housing in the Census Bureau’s address file).
Part 2: Oregon Population Trends

• Oregon and U.S. Growth
• Race and Ethnicity
• Growth by Electoral District
  – Congressional
  – Oregon Senate
  – Oregon House
## Oregon and U.S. Population (millions)

<table>
<thead>
<tr>
<th></th>
<th>Oregon</th>
<th>U.S.A.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1980</td>
<td>2.63</td>
<td>226.5</td>
</tr>
<tr>
<td>1990</td>
<td>2.84</td>
<td>248.7</td>
</tr>
<tr>
<td>'80-'90 growth</td>
<td>7.9%</td>
<td>9.8%</td>
</tr>
<tr>
<td>2000</td>
<td>3.42</td>
<td>281.4</td>
</tr>
<tr>
<td>'90-'00 growth</td>
<td>20.4%</td>
<td>13.1%</td>
</tr>
<tr>
<td>2010</td>
<td>3.83</td>
<td>308.7</td>
</tr>
<tr>
<td>'00-'10 growth</td>
<td>12.0%</td>
<td>9.7%</td>
</tr>
<tr>
<td>2020 (estimate)*</td>
<td>4.26</td>
<td>329.2</td>
</tr>
<tr>
<td>'10-'20 growth</td>
<td>11.2%</td>
<td>6.6%</td>
</tr>
</tbody>
</table>

*2020 estimates are interpolated from July 2019 and July 2020 estimates.

- Oregon added 1.63 million residents in 40 years (62%)
- The U.S. added 103 million residents in 40 years (45%)
# Population by Race/Ethnicity

## State of Oregon, 2019 ACS

*MOE = Margin of Error at the 90% confidence level. Includes sampling error but does not incorporate errors to independent estimates used to weight survey responses.

Source: U.S. Census Bureau, 2019 American Community Survey one-year estimates, Table DP05.

### HISPANIC OR LATINO AND RACE

<table>
<thead>
<tr>
<th></th>
<th>Estimate</th>
<th>MOE*</th>
<th>Share</th>
<th>MOE*</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total population</strong></td>
<td>4,217,737</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hispanic or Latino (of any race)</td>
<td>566,839</td>
<td>13.4%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not Hispanic or Latino</td>
<td>3,608,988</td>
<td>86.6%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>White alone</strong></td>
<td>3,158,958</td>
<td>+/-1,766</td>
<td>74.9%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td><strong>Black or African American alone</strong></td>
<td>75,363</td>
<td>+/-5,491</td>
<td>1.8%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td><strong>American Indian and Alaska Native alone</strong></td>
<td>40,821</td>
<td>+/-3,945</td>
<td>1.0%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td><strong>Asian alone</strong></td>
<td>191,850</td>
<td>+/-4,626</td>
<td>4.5%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td><strong>Native Hawaiian and Other Pacific Islander alone</strong></td>
<td>13,164</td>
<td>+/-2,206</td>
<td>0.3%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td><strong>Some other race alone</strong></td>
<td>5,530</td>
<td>+/-1,795</td>
<td>0.1%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td><strong>Two or more races</strong></td>
<td>165,212</td>
<td>+/-7,853</td>
<td>3.9%</td>
<td>+/-0.2%</td>
</tr>
</tbody>
</table>

### Race alone or in combination with one or more other races

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Total population</strong></td>
<td>4,217,737</td>
<td>+/-3,066</td>
<td>3.0%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td><strong>Black or African American</strong></td>
<td>124,502</td>
<td>+/-3,283</td>
<td>3.0%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td><strong>American Indian and Alaska Native</strong></td>
<td>129,081</td>
<td>+/-6,197</td>
<td>3.1%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td><strong>Asian</strong></td>
<td>263,017</td>
<td>+/-3,066</td>
<td>6.2%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td><strong>Native Hawaiian and Other Pacific Islander</strong></td>
<td>35,802</td>
<td>+/-3,923</td>
<td>0.8%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td><strong>Some other race</strong></td>
<td>175,072</td>
<td>+/-15,164</td>
<td>4.2%</td>
<td>+/-0.4%</td>
</tr>
</tbody>
</table>

[pdx.edu/prc]
## Population Shares by Race/Ethnicity
### 2000 to 2019

<table>
<thead>
<tr>
<th>HISPANIC OR LATINO AND RACE</th>
<th>2000 Census</th>
<th>2010 Census</th>
<th>2019 ACS Estimate</th>
<th>2019 ACS MOE*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hispanic or Latino (of any race)</td>
<td>8.0%</td>
<td>11.7%</td>
<td>13.4%</td>
<td></td>
</tr>
<tr>
<td>Not Hispanic or Latino</td>
<td>92.0%</td>
<td>88.3%</td>
<td>86.6%</td>
<td></td>
</tr>
<tr>
<td>White alone</td>
<td>83.5%</td>
<td>78.5%</td>
<td>74.9%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td>Black or African American alone</td>
<td>1.6%</td>
<td>1.7%</td>
<td>1.8%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td>American Indian and Alaska Native alone</td>
<td>1.2%</td>
<td>1.1%</td>
<td>1.0%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td>Asian alone</td>
<td>2.9%</td>
<td>3.6%</td>
<td>4.5%</td>
<td>+/-0.1%</td>
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<td>Native Hawaiian and Other Pacific Islander alone</td>
<td>0.2%</td>
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<td>0.1%</td>
<td>0.1%</td>
<td>+/-0.1%</td>
</tr>
<tr>
<td>Two or more races</td>
<td>2.4%</td>
<td>2.9%</td>
<td>3.9%</td>
<td>+/-0.2%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Race alone or in combination with one or more other races</th>
<th>2000 Census</th>
<th>2010 Census</th>
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<td>6.1%</td>
<td>4.2%</td>
<td>+/-0.4%</td>
</tr>
</tbody>
</table>

*MOE = Margin of Error at the 90% confidence level. Includes sampling error but does not incorporate errors to independent estimates used to weight survey responses.
Source: U.S. Census Bureau, 2000 and 2010 Censuses, 2019 American Community Survey one-year estimates, Table DP05.
Population by Race/Ethnicity and Age
State of Oregon, 2019

Oregon Population Estimate

Oregon April 2020 Population Estimate = 4,260,000*

4,260,000 ÷ 6 ≈ 710,000

Population Estimates by Congressional District
2019 American Community Survey one year estimates

Potential target = 710,000 in each district
Senate District Population Above or Below Mean
2015-19 American Community Survey five year estimates

Senate Districts

-5.079 to -5.043
-9.042 to -5.028
-6.028 to -3.014
-3.013 to 0
1 to 3.014
3.015 to 6.028
6.030 to 9.043
9.044 to 12.058
12.059 to 15.072
15.073 to 18.086
not significantly different from mean
House District Population Above or Below Mean
2015-19 American Community Survey five year estimates

House Districts
Compare to Mean
-7.474 to -6.385
-6.384 to -4.256
-4.255 to -2.128
-2.127 to 0
1 to 2.128
2.129 to 4.250
4.251 to 6.385
6.386 to 8.513
8.514 to 10,641
not significantly diff from mean
Thank You, Madam Chair and Members of the Committee!

Questions and Comments

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