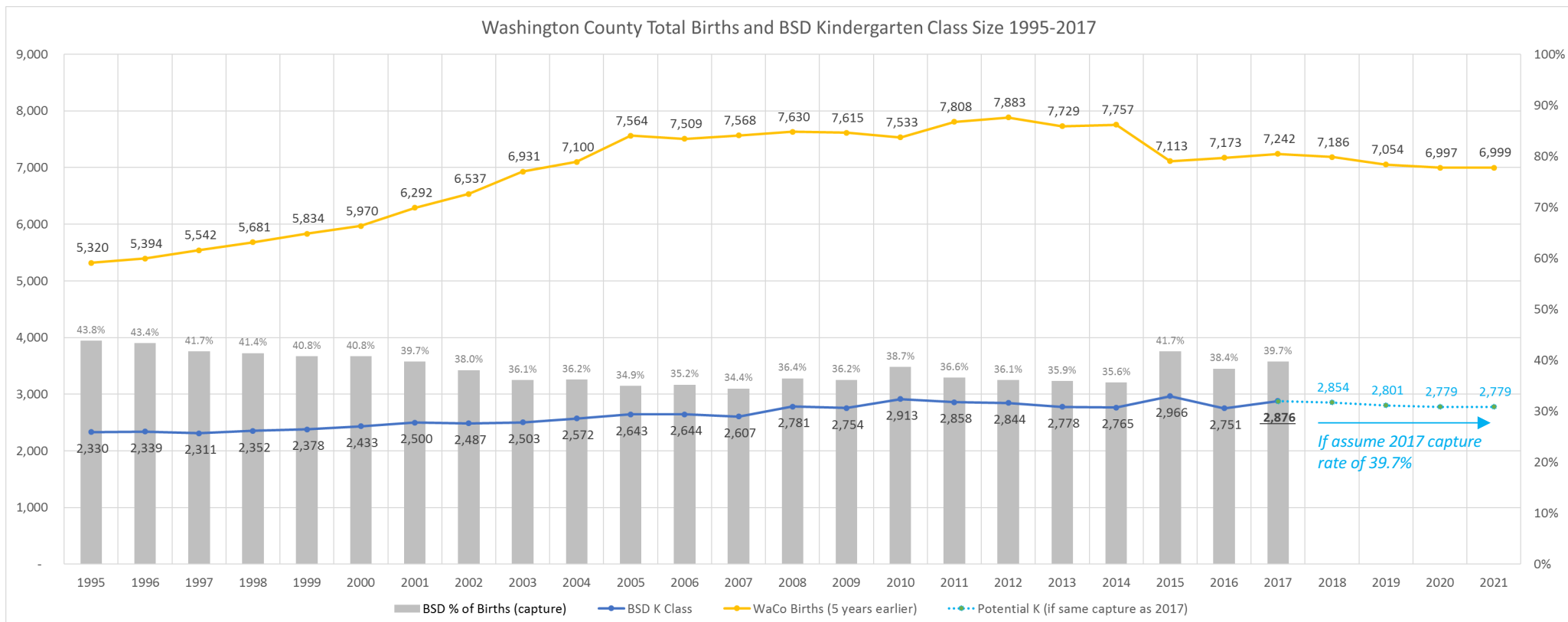# Selected Charts related to Kindergarten Class and Birth Rates/Trends

# Kindergarten Class Size 1995-2017 and Births

- Births data from 5 years prior doesn't reflect in/out migration that may happen in the intervening years
- BSD Kindergarten class size relative to Washington County births appeared to level off in early 2000s, after a decline from the mid-1990s.
- 2015 and 2010 were the two largest Kindergarten classes (both were Full Day Kinder expansion years)
- Drop in total births in 2010 (2015 K class) may have been offset by in-migration to BSD and Full Day Kindergarten expansion in some schools

### Washington County Total Births and BSD Kindergarten Class Size 1995-2017

| Year | BSD % of Births (capture) | BSD K Class | WaCo Births (5 years earlier) | Potential K (if same capture as 2017) |
|------|------|------|------|------|
| 1995 | 43.8% | 2,330 | 5,320 | |
| 1996 | 43.4% | 2,339 | 5,394 | |
| 1997 | 41.7% | 2,311 | 5,542 | |
| 1998 | 41.4% | 2,352 | 5,681 | |
| 1999 | 40.8% | 2,378 | 5,834 | |
| 2000 | 40.8% | 2,433 | 5,970 | |
| 2001 | 39.7% | 2,500 | 6,292 | |
| 2002 | 38.0% | 2,487 | 6,537 | |
| 2003 | 36.1% | 2,503 | 6,931 | |
| 2004 | 36.2% | 2,572 | 7,100 | |
| 2005 | 34.9% | 2,643 | 7,564 | |
| 2006 | 35.2% | 2,644 | 7,509 | |
| 2007 | 34.4% | 2,607 | 7,568 | |
| 2008 | 36.4% | 2,781 | 7,630 | |
| 2009 | 36.2% | 2,754 | 7,615 | |
| 2010 | 38.7% | 2,913 | 7,533 | |
| 2011 | 36.6% | 2,858 | 7,808 | |
| 2012 | 36.1% | 2,844 | 7,883 | |
| 2013 | 35.9% | 2,778 | 7,729 | |
| 2014 | 35.6% | 2,765 | 7,757 | |
| 2015 | 41.7% | 2,966 | 7,113 | |
| 2016 | 38.4% | 2,751 | 7,173 | |
| 2017 | 39.7% | 2,876 | 7,242 | |
| 2018 | | | 7,186 | 2,854 |
| 2019 | | | 7,054 | 2,801 |
| 2020 | | | 6,997 | 2,779 |
| 2021 | | | 6,999 | 2,779 |

*If assume 2017 capture rate of 39.7%*

Sources: Oregon Health Authority, BSD

# Kindergarten Classes Size – Recent Trends

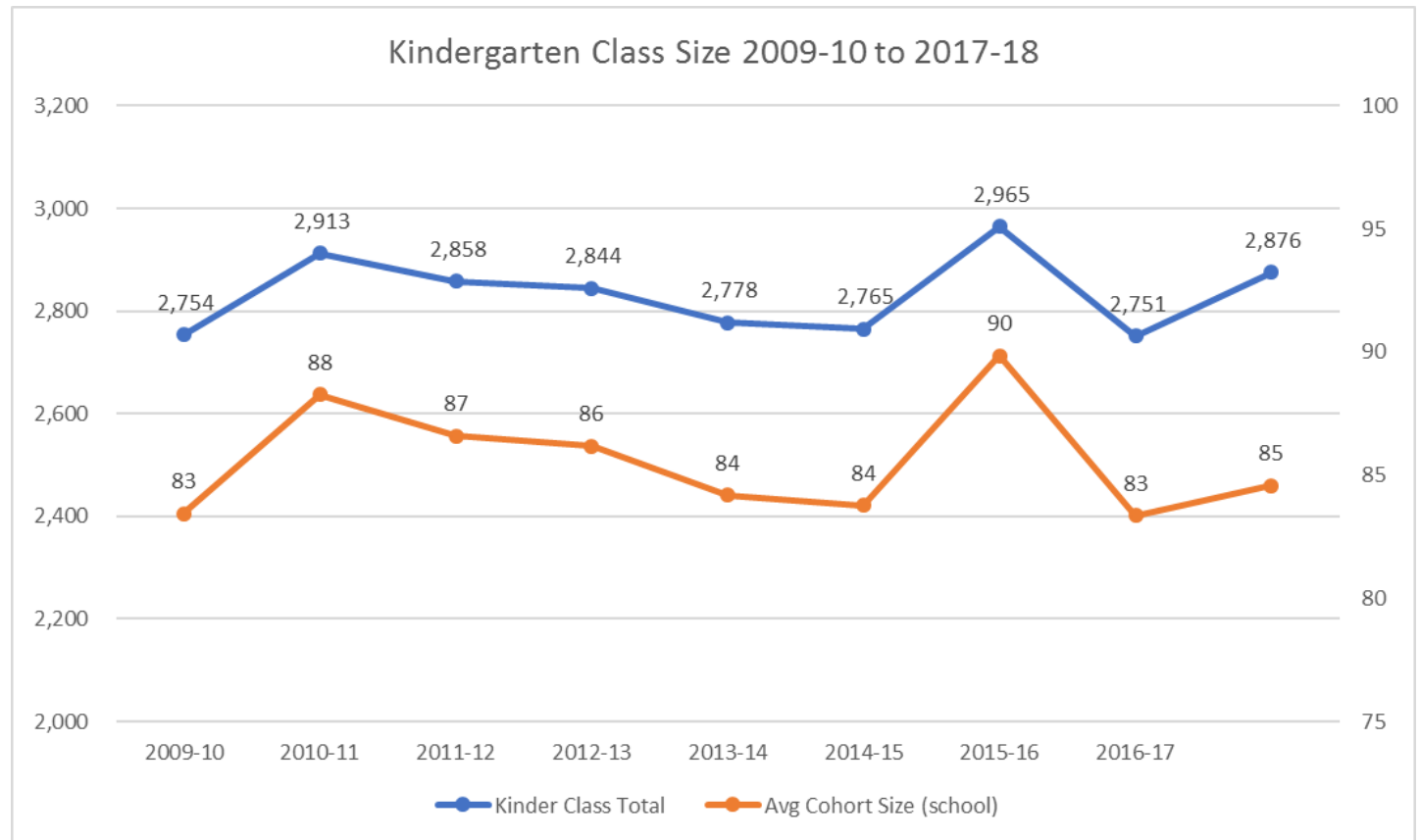2009-10

Average Kinder cohort per school:  83

Smallest:  39 (Cedar Mill)

Largest: 152 (Barnes)

2017-18

Average Kinder cohort per school:  83
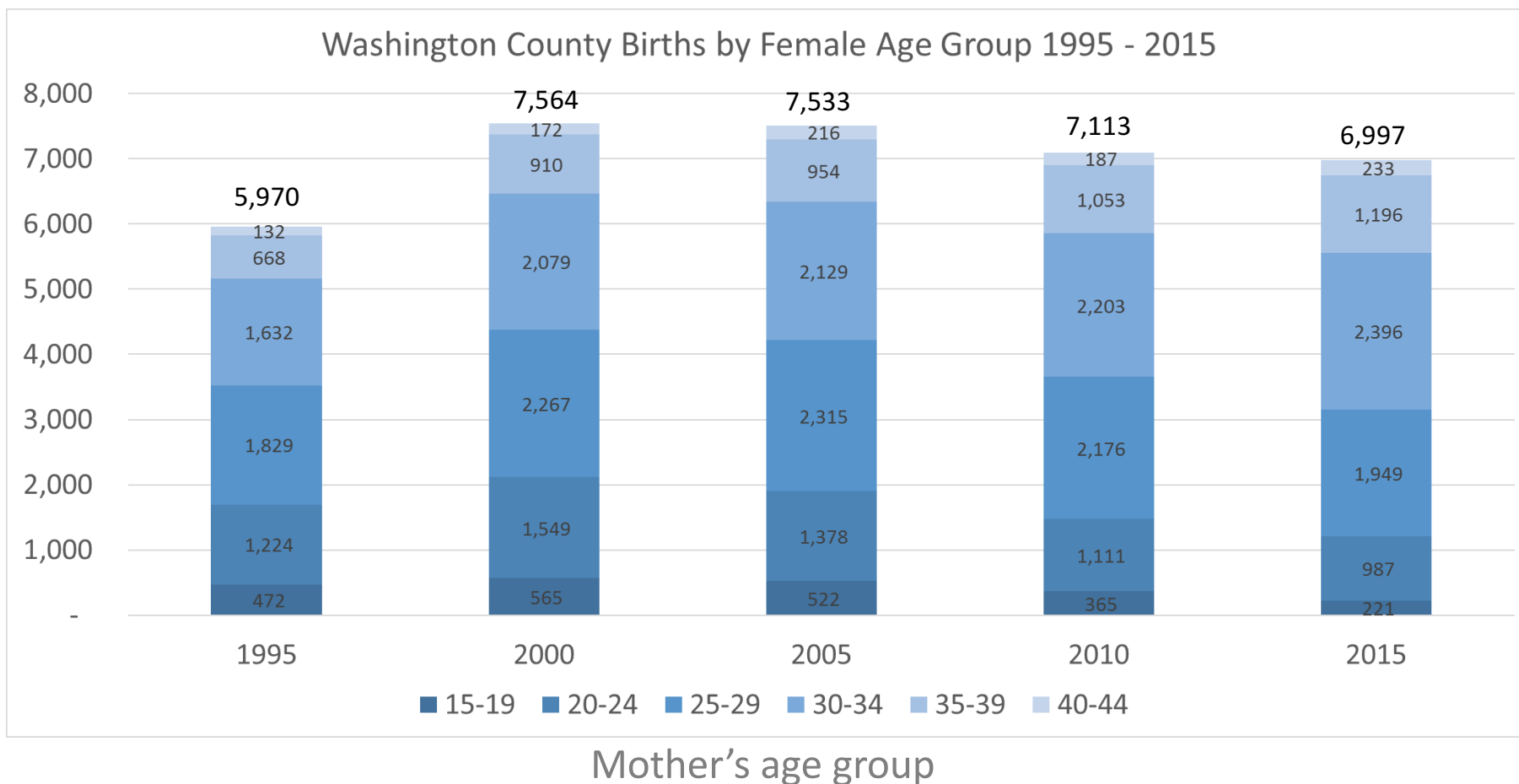
Smallest:  35 (McKay)

Largest:  131 (Elmonica)



Kindergarten Class Size 2009-10 to 2017-18

- Kinder Class Total
- Avg Cohort Size (school)

Source:  BSD

# Birth Trends in Washington County
## Comparative Total Births by Age of Mother 1995-2015

- Dramatic change in the # of births by age of mother
- Substantial decline in births to mothers younger than 25
- Modest increase in births to mothers aged 30-39



Washington County Births by Female Age Group 1995 - 2015

Mother's age group

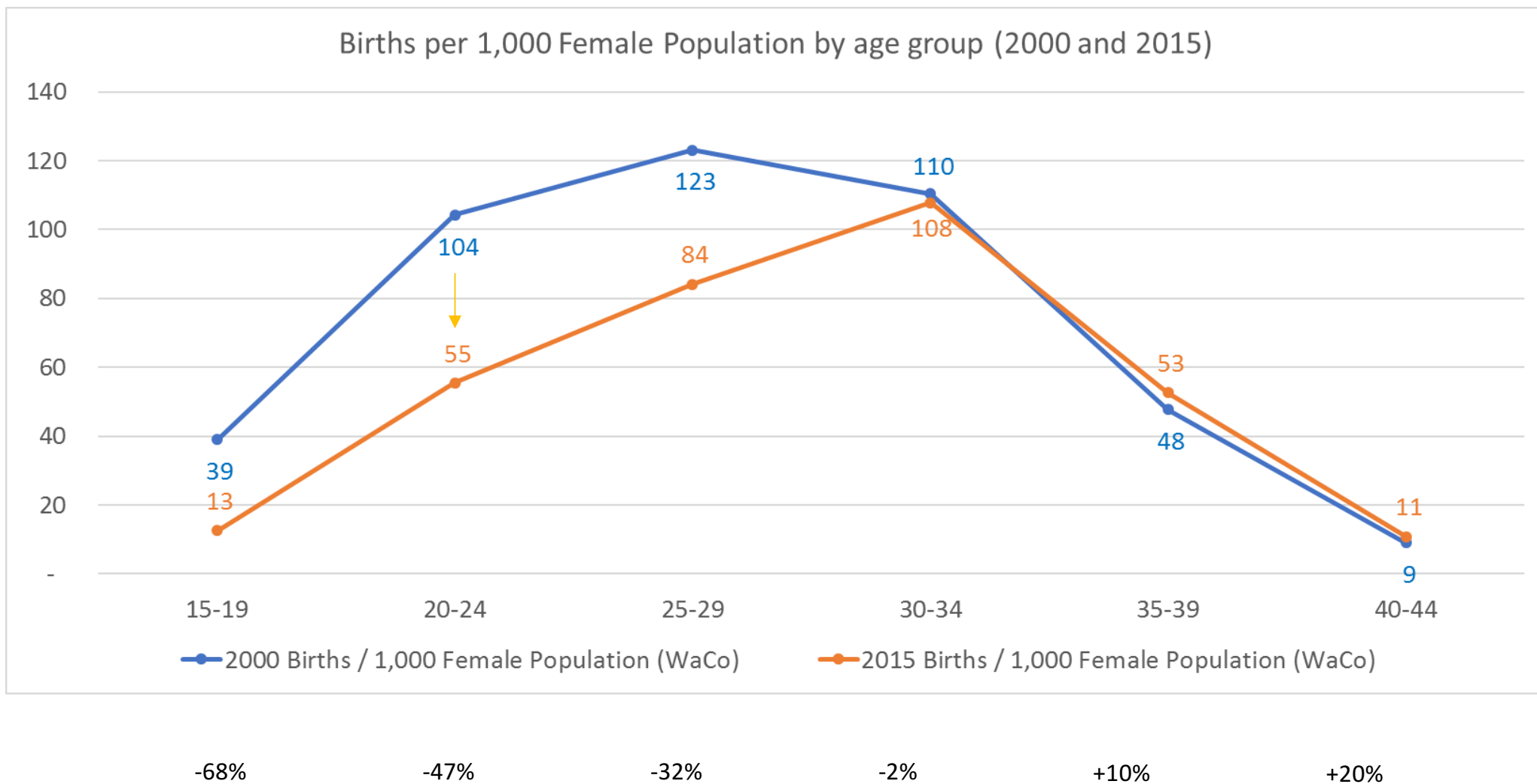■ 15-19  ■ 20-24  ■ 25-29  ■ 30-34  ■ 35-39  ■ 40-44

# Births per 1,000 by Age Group (2000 and 2015)
## Washington County

- Drop in birth rate for females younger than 30 – relatively steady for those over 30



Births per 1,000 Female Population by age group (2000 and 2015)

| | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|
| 2000 | 39 | 104 | 123 | 110 | 48 | 9 |
| 2015 | 13 | 55 | 84 | 108 | 53 | 11 |

→ 2000 Births / 1,000 Female Population (WaCo)    → 2015 Births / 1,000 Female Population (WaCo)

| -68% | -47% | -32% | -2% | +10% | +20% |

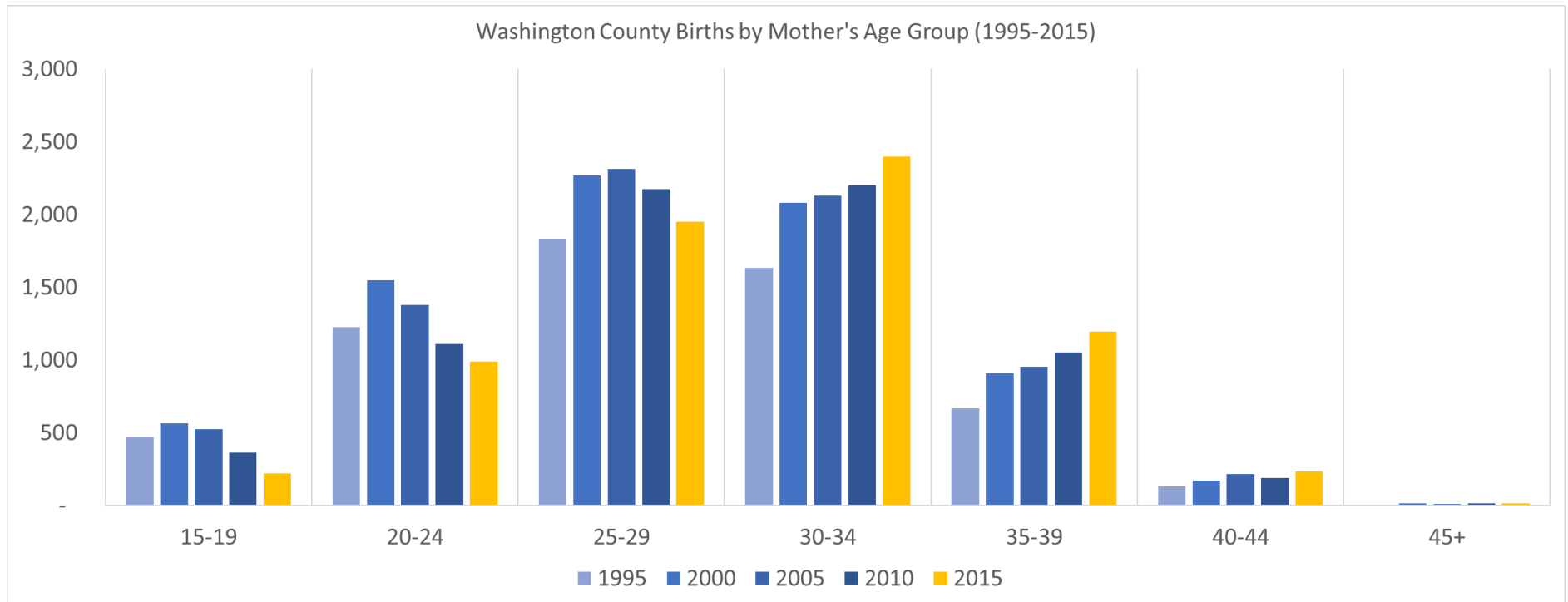Sources:  Oregon Health Authority, BSD

# Washington County: Trends in Births by Age of Mother
## Five-year increments for Washington County

- Substantial decline in births to mothers younger than 25 and increase in those aged 30-39



Washington County Births by Mother's Age Group (1995-2015)

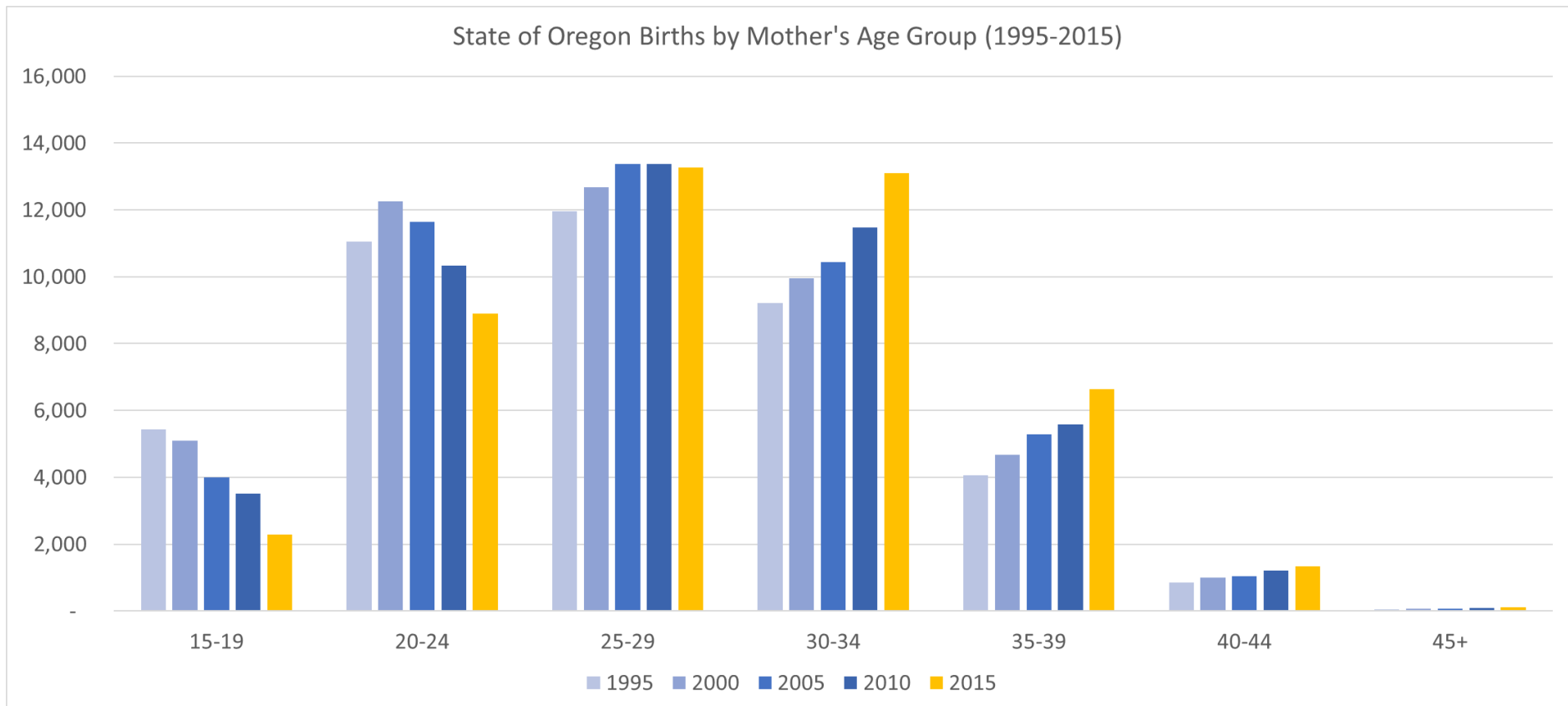Sources: Oregon Health Authority, BSD

# Oregon: Trends in Births by Age of Mother
## Five-year increments for State of Oregon

- Washington County follows similar trends observed statewide

State of Oregon Births by Mother's Age Group (1995-2015)



Legend: 1995, 2000, 2005, 2010, 2015

Sources: Oregon Health Authority, BSD

# Births per 1,000 by Age Group (2000 and 2015)
State of Oregon

Births per 1,000 Female Population by age group (2000 and 2015)

| | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-44 |
|---|---|---|---|---|---|---|
| 2000 | 43 | 109 | 112 | 86 | 37 | 7 |
| 2015 | 19 | 70 | 98 | 97 | 50 | 10 |
| | -56% | -35% | -13% | +12% | +35% | +41% |

—•— 2000 Births / 1,000 Female Population (OR)    —•— 2015 Births / 1,000 Female Population (OR)

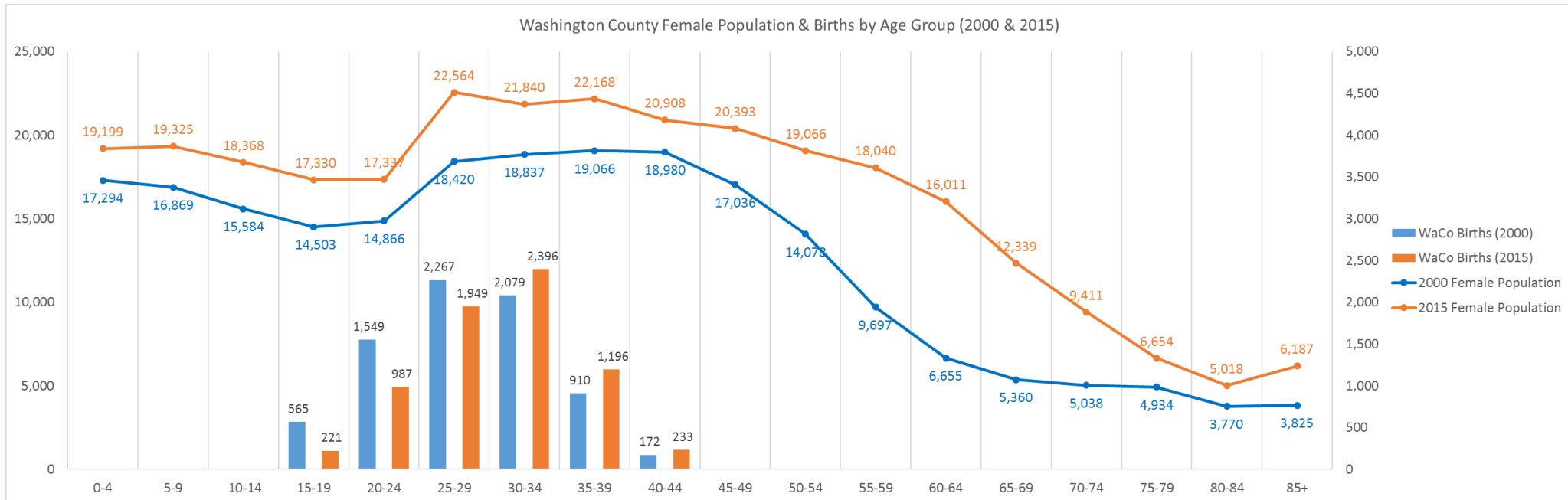Sources: Oregon Health Authority, Portland State Population Research Center
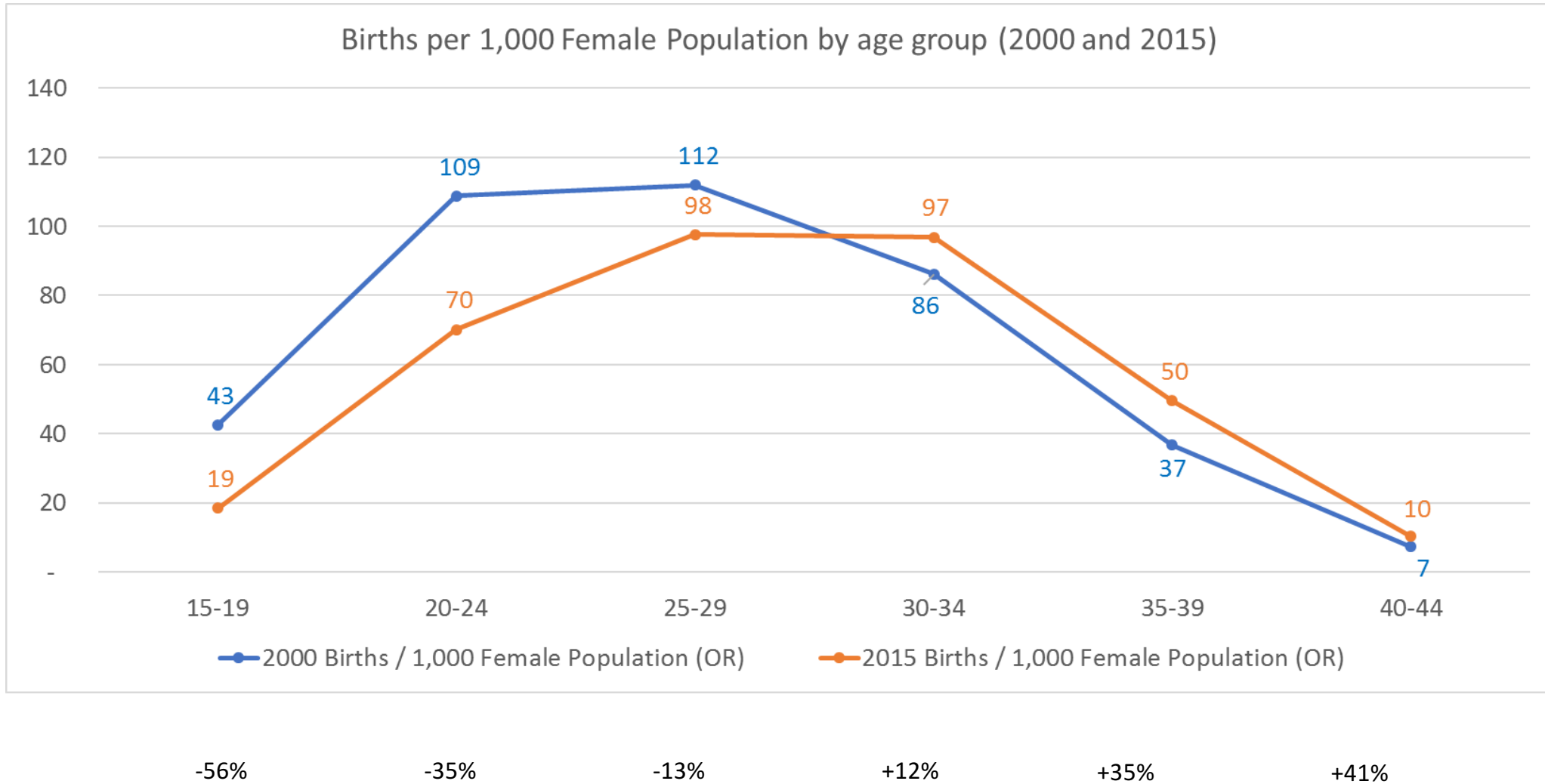
# Female Population Age Structure and # of Births
## Washington County

- Dramatic change in the # of births by age of mother when comparing 2000 and 2015
- Substantial decline in births to mothers younger than 25 and increase in those aged 30-39
- Increase in births to those in their 30s not offsetting drop in earlier age groups



Washington County Female Population & Births by Age Group (2000 & 2015)

Legend:
- WaCo Births (2000)
- WaCo Births (2015)
- 2000 Female Population
- 2015 Female Population

Sources:  Oregon Health Authority, Portland State Population Research Center

# Age Cohort Mobility

- Those in their 30s are less likely to have moved in the last 12 months – i.e. they're more likely settled in their home or community
- This could be beneficial to BSD – more families having children in their 30s are more likely to remain
- But on the other hand, BSD may also not benefit from as many families moving into the District if they are already established elsewhere

## % of Age Group who have moved within the last 12 months

| Age Group | Portland Metro Region | Washington County | Beaverton School District |
|---|---|---|---|
| 20 to 29 Years Old | 38% | 39% | 41% |
| 30 to 39 Years Old | 23% | 22% | 24% |
| | | | |
| Total | 18% | 18% | 18% |

2011-2015 American Community Survey 5-Year Estimates, B07001