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# Redmond School District Enrollment Forecast 2019-20 to 2028-29

Portland State University. Population Research Center

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**REDMOND SCHOOL DISTRICT  
POPULATION AND ENROLLMENT FORECASTS  
2019-20 TO 2028-29**



Portland State  
UNIVERSITY  
Population Research  
Center



**MAY 2019**



**REDMOND SCHOOL DISTRICT  
POPULATION AND ENROLLMENT FORECASTS  
2019-20 TO 2028-29**

**Prepared By  
Population Research Center  
Portland State University**

**May 2019**

**Project Staff:**

*Charles Rynerson, Research Associate  
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## EXECUTIVE SUMMARY

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This report presents the results of a demographic study conducted by the Portland State University Population Research Center (PRC) for the Redmond School District (RSD). The study includes analyses of population, housing and enrollment trends affecting the District in recent years, and forecasts of district-wide school enrollments for the 2019-20 to 2028-29 school years.

### ***Enrollment Trends***

- Total K-12 enrollment of 7,072 in the current school year has increased by 341 students in the past five years since 2013-14, after falling in four out of five years between 2008-09 and 2013-14.<sup>1</sup>
- Since the low of 2011-12, the number of enrolled students has increased by six percent and has surpassed the previous peak enrollment observed in the 2008-09 school year.
- The overall K-12 decline from 2008-09 to 2013-14 was 334 students (five percent), influenced by the recession and housing crisis and increasing school options including online schools, charter schools, and a new Open Enrollment policy liberalizing transfers to other districts.
- The overall K-12 increase from 2013-14 to 2018-19 was 341 students (five percent), with growth in each of the five years since 2013-14. Middle school and high school grade levels saw significant increases of nine and eight percent respectively. Elementary enrollment was only one percent greater in 2018-19 than in 2013-14, having fallen slightly after 2016-17 as students from the large birth cohorts of the mid-2000s advanced into middle school.

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<sup>1</sup> To support District assessment of current and future facilities, enrollment figures in this study exclude Redmond Proficiency Academy students residing outside of the District, Post-Graduate Scholars, and Redmond K-12 Online students. Therefore, total enrollment will differ from that reported by other sources including the Oregon Department of Education.



### ***District-wide Population Trends and Forecast***

- The District added nearly 13,000 residents in the 2000s. Most of the increase was due to positive net migration (more people moving in than moving out) of around 11,000 persons. Natural increase (births minus deaths) accounted for the remainder of residents added.
- Due to the slow growth of the early 2010s, net migration adds fewer residents in the current decade, and the 2020 forecast shows growth of about 8,000 persons since 2010.
- Net migration rebounds to near the level of the 2000s in the coming decade between 2020 and 2030. However, due to an aging population and low birth rates, there are expected to be more deaths than births in the 2020s; migration will account for all of the decade's population increase.
- Our forecast for 2030 population in the RSD is 62,722, an increase of 17,332 persons from the 2010 Census (1.6 percent average annual growth). School-age population (5 to 17) is forecast to increase at a slower growth rate than overall population. The 1,687 person growth in school-age population in the period between 2010 and 2030 amounts to a 1.0 percent annual average growth rate.
- The population forecast is consistent with PRC's recent forecast for the Redmond Urban Growth Boundary (UGB), though growth rates for the District are slightly lower, as the District includes areas outside of the UGB that are expected to grow more slowly than the UGB itself.<sup>2</sup>

### ***Enrollment Forecasts***

- Table 1 compares the historic growth for the District with the forecast by five year increment. Elementary (K-5) and high school (9-12) grades grow in the first five years,

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<sup>2</sup> County and UGB forecasts from *Coordinated Population Forecasts, 2018 through 2068, Deschutes County*, Portland State University Population Research Center, June 2018. At <https://www.pdx.edu/prc/file/deschutesreportfinalpdf>

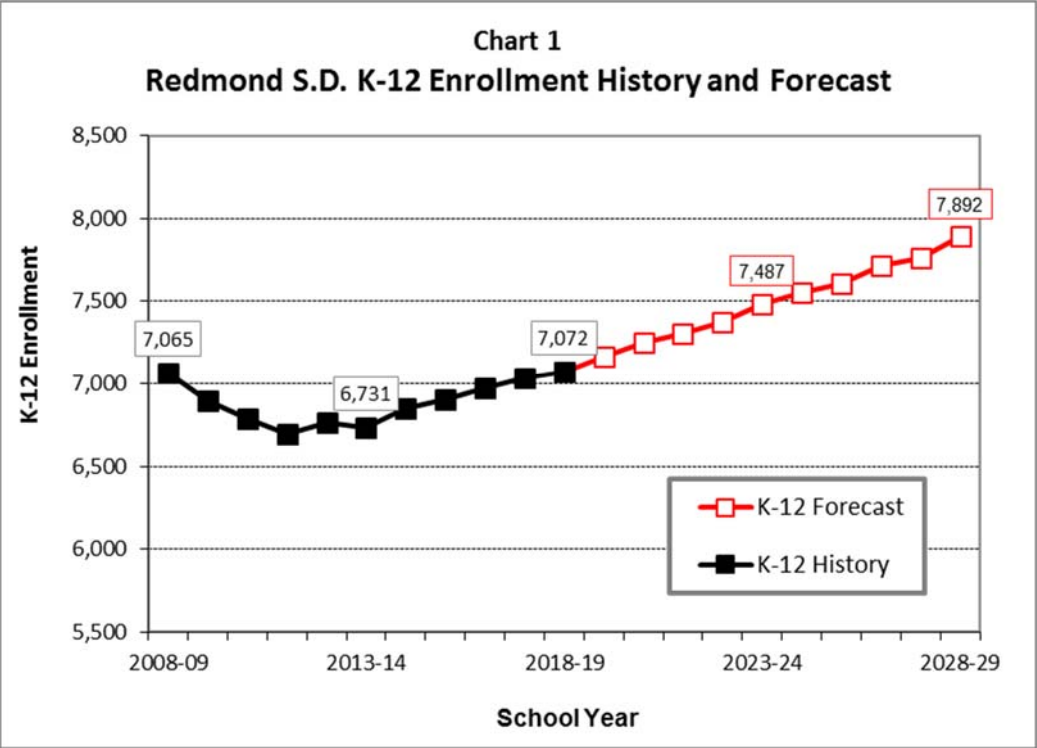
while middle school (6-8) grades decline slightly. The District adds 415 K-12 students (six percent) between 2018-19 and 2023-24.

- High school enrollment reaches a relative plateau between 2023-24 and 2028-29 while elementary grades continue to grow and middle school grades join the growth trend. The District adds 405 students (five percent) from 2023-24 to 2028-29.
- Current and planned residential construction activity is not in itself a guarantee of future growth, but the location of residential development is important for the allocation of enrollment forecasts to individual schools. By geocoding building permits and surveying land use activity (see Tables 4 and 5) we have found that the greatest amount of current activity is in the Sage Elementary area, followed by the John Tuck Elementary area. Large scale development is also planned on the north side of the City of Redmond in the Tom McCall Elementary area.
- Chart 1 depicts the District's 10 year K-12 enrollment history and 10 year forecasts. More detailed forecasts for the District may be found in Table 13 on page 28 of this report.

**Table 1**  
**Historic and Forecast Enrollment\***  
**Redmond School District**

|                       | Historic     |              |              | Forecast     |              |
|-----------------------|--------------|--------------|--------------|--------------|--------------|
|                       | 2008-09      | 2013-14      | 2018-19      | 2023-24      | 2028-29      |
| <b>District Total</b> | <b>7,065</b> | <b>6,731</b> | <b>7,072</b> | <b>7,487</b> | <b>7,892</b> |
| <i>5 year change</i>  |              | -334<br>-5%  | 341<br>5%    | 415<br>6%    | 405<br>5%    |
| <b>K-5</b>            | <b>3,260</b> | <b>3,105</b> | <b>3,129</b> | <b>3,338</b> | <b>3,625</b> |
| <i>5 year change</i>  |              | -155<br>-5%  | 24<br>1%     | 209<br>7%    | 287<br>9%    |
| <b>6-8</b>            | <b>1,653</b> | <b>1,535</b> | <b>1,680</b> | <b>1,648</b> | <b>1,817</b> |
| <i>5 year change</i>  |              | -118<br>-7%  | 145<br>9%    | -32<br>-2%   | 169<br>10%   |
| <b>9-12</b>           | <b>2,152</b> | <b>2,091</b> | <b>2,263</b> | <b>2,501</b> | <b>2,450</b> |
| <i>5 year change</i>  |              | -61<br>-3%   | 172<br>8%    | 238<br>11%   | -51<br>-2%   |

*\*Does not include Redmond K-12 Online, RPA students residing out-of-district, or Post-Graduate Scholars.  
Population Research Center, PSU. December 2018*



## **INTRODUCTION**

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In 2016 the Portland State University Population Research Center (PRC) prepared enrollment forecasts for the Redmond School District (RSD). This report updates RSD enrollment history and local area population, housing, and economic trends, and presents new forecasts for a 10 year horizon from 2019-20 to 2028-29. Information sources include the U.S. Census Bureau, birth data from the Oregon Center for Health Statistics, and population estimates and forecasts produced by PRC. It also uses housing development data from the City of Redmond and Deschutes County.

The District covers a 550 square mile area including the City of Redmond and neighboring unincorporated communities of Alfalfa, Crooked River Ranch, Eagle Crest, Terrebonne and Tumalo in Deschutes and Jefferson Counties. At the time of the 2010 Census, 58 percent of the District's population lived within Redmond, 36 percent in unincorporated Deschutes County, and six percent in unincorporated Jefferson County.

Following this introduction are sections presenting recent population, housing, employment, and enrollment trends within the District. Next are the results of the district-wide enrollment forecasts and a description of the methodology used to produce them. An appendix includes summaries of RSD demographic data from the U.S. Census Bureau.



## POPULATION, HOUSING, AND EMPLOYMENT TRENDS, 2000 to 2018

Between 2000 and 2010, total population within the RSD grew by 40 percent, an increase of nearly 13,000 persons. This growth rate was similar to Deschutes County's overall 37 percent growth during the same timeframe. The population of the City of Redmond nearly doubled as it added over 12,700 residents between 2000 and 2010. However, expansion of municipal boundaries accounted for part of Redmond's growth, as the city annexed nearly 1,300 residents residing in formerly unincorporated areas. As a result of the annexations, net increase in the District's unincorporated population between 2000 and 2010 was just over 200 persons.

Table 2 includes 2000 and 2010 Census counts and PRC's 2018 estimates for the City of Redmond, and Deschutes and Jefferson counties. Growth was slow at the beginning of the 2010s, but has accelerated recently. Between 2010 and 2015 the City of Redmond added fewer than 1,000 residents; in the three years since 2015 the City has added more than 2,000 residents, an average annual growth rate of 2.6 percent.

| <b>Table 2</b><br><b>District, City, and County Population</b>                                                                                                                                                    |         |         |         |                         |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|-------------------------|-----------|
|                                                                                                                                                                                                                   | 2000    | 2010    | 2018    | Avg. Annual Growth Rate |           |
|                                                                                                                                                                                                                   |         |         |         | 2000-2010               | 2010-2018 |
| Redmond SD Total*                                                                                                                                                                                                 | 32,427  | 45,390  | N/A     | 3.4%                    | --        |
| City of Redmond                                                                                                                                                                                                   | 13,481  | 26,215  | 29,190  | 6.9%                    | 1.3%      |
| Remainder of District                                                                                                                                                                                             | 18,946  | 19,175  | N/A     | 0.1%                    | --        |
| Deschutes County                                                                                                                                                                                                  | 115,367 | 157,733 | 188,980 | 3.2%                    | 2.2%      |
| Jefferson County                                                                                                                                                                                                  | 19,009  | 21,720  | 23,560  | 1.3%                    | 1.0%      |
| <i>*Note: District population determined by PSU-PRC based on aggregation of census blocks within the RSD boundary shapefiles. The 2010 RSD population published by the Census Bureau was 45,507.</i>              |         |         |         |                         |           |
| <i>Sources: U.S. Census Bureau, 2000 and 2010 censuses aggregated to RSD boundary by PSU Population Research Center; Portland State University Population Research Center, July 1, 2018 population estimates.</i> |         |         |         |                         |           |

### Employment

Although population within the City of Redmond population has more than doubled since 2000, nearby Bend is three times larger, home to nearly half of Deschutes County population and its commercial center. Recent origin-destination employment statistics show that most RSD residents commute beyond the District's boundaries and more work within the City of Bend

than within the City of Redmond.<sup>3</sup> Therefore, population growth in the RSD is related to the strength of the entire region's economy.

Deschutes County experienced job losses in 2008, 2009, and 2010, with a three year decline of more than 10,000 jobs. Oregon and the nation also lost jobs during that recessionary period, though losses of 7.5 percent in Oregon and 5.5 percent nationally between 2007 and 2010 were not as steep as Deschutes County's 15 percent decline. Job growth began slowly after 2010; it was not until 2015 that the County's job total reattained its previous 2007 peak. However, 2018 promises to be the sixth consecutive year with growth of more than 3,000 jobs. Since 2012, Deschutes County has added over 25,000 jobs, growing more than 40 percent.<sup>4</sup>

The Oregon Employment Department offered this assessment of Deschutes County as of October 2018:

The county added 3,720 jobs from this time last year (+4.5%). All major industry sectors added jobs over the past year with the largest gains in construction, health care, retail trade, and professional and business services. Public sector employment was also up significantly over the past year due to strong gains in local government education.<sup>5</sup>

### ***Births***

The number of births to residents of the RSD grew steadily from 400 in 2000 to a peak of just over 600 in 2007 and 2008, as shown in Chart 2. A decline in annual birth totals coincided with the decline in employment and housing values during the Great Recession, reaching a low of 493 in 2011, 18 percent below the 2007-2008 peak. The corresponding decline in births in both the U.S. and in Oregon was less than nine percent between 2007 and 2011.<sup>6</sup> After eight years with birth totals at or below 540, the number of births to RSD residents increased to 572 births in

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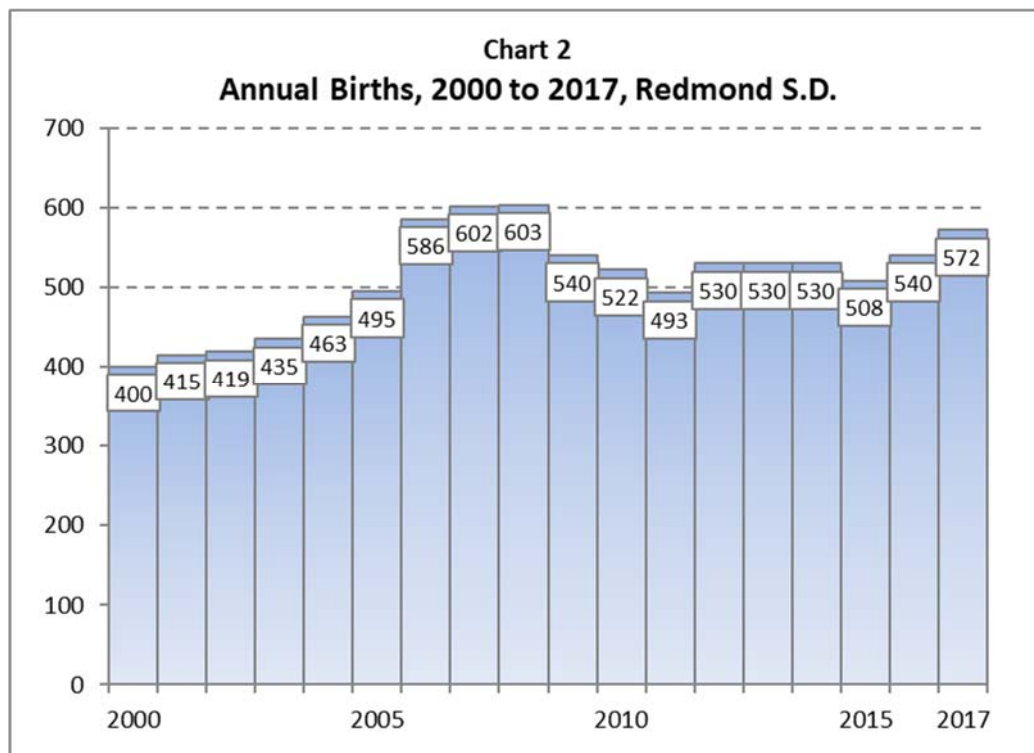
<sup>3</sup>U.S. Census Bureau. OnTheMap Application. Longitudinal-Employer Household Dynamics Program. 2015 data. Includes at most one (primary) job per resident. <http://onthemap.ces.census.gov/>

<sup>4</sup>"Employment and Wages by Industry (QCEW)," Oregon Employment Department. <https://www.qualityinfo.org/ed-ewind>

<sup>5</sup>"Employment in Central Oregon: October 2018" State of Oregon Employment Department, November 20, 2018.

<sup>6</sup>"Births: Final Data for 2012." National Vital Statistics Report, Volume 62, Number 9, National Center for Health Statistics; *Oregon Vital Statistics Annual Report 2012 Volume 1*, Oregon Health Authority, Center for Health Statistics.

2017, the highest mark since 2008. In the “Enrollment Forecasts” section of this report, we examine the relationship between births, migration, and subsequent school enrollments.



### ***Housing Growth and Characteristics***

During the 2000 to 2010 period the District added 7,250 housing units (53 percent growth), as shown in Table 3. The number of new households did not keep pace during the period, growing by 5,297 (42 percent).<sup>7</sup> The number of households with children grew at a slower rate than households without children. Therefore, the share with children declined from 36 to 32 percent of all District households.

The average number of persons per household in RSD decreased from 2.57 to 2.52 between 2000 and 2010.

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<sup>7</sup> The difference is related to a decrease in occupancy rate from 92 percent in 2000 to 85 percent in 2010. The number of seasonal units nearly tripled during the decade, and account for nearly half of non-occupied homes. Increases in the number of vacant homes for sale or rent or in foreclosure also contributed to the decline in occupancy, as the housing market was struggling when the census was conducted, in April 2010. Detailed information is included on page A-5 of the appendix.



**Table 3**  
**Redmond School District**  
**Housing and Household Characteristics, 2000 and 2010**

|                                                               | 2000         | 2010          | 2000 to 2010 Change |         |
|---------------------------------------------------------------|--------------|---------------|---------------------|---------|
|                                                               |              |               | Number              | Percent |
| Housing Units                                                 | 13,704       | 20,954        | 7,250               | 53%     |
| Households                                                    | 12,587       | 17,884        | 5,297               | 42%     |
| Households with children under 18<br><i>share of total</i>    | 4,483<br>36% | 5,770<br>32%  | 1,287               | 29%     |
| Households with no children under 18<br><i>share of total</i> | 8,104<br>64% | 12,114<br>68% | 4,010               | 49%     |
| Household Population                                          | 32,291       | 45,057        | 12,766              | 40%     |
| Persons per Household                                         | 2.57         | 2.52          | -0.05               | -2%     |

*Source: U.S. Census Bureau, 2000 and 2010 Censuses; data aggregated to RSD boundary by Population Research Center, PSU.*

Nearly four years of recent residential permit activity are presented in Table 4. The table covers the entire district, including Redmond and unincorporated areas. The Sage Elementary School attendance area has experienced the largest amount of both single family and multiple family home construction during the period, followed by the John Tuck Elementary School attendance area, which had the most single family home permits among RSD elementary areas in the first nine months of 2018.

Table 5 is an accounting of current and upcoming residential development indicating the number of lots in each subdivision or the number of units in each apartment complex. Criteria for inclusion in the table is that the development will account for 12 or more homes when completed. Some of the platted subdivisions include homes built as early as 2016. However, earlier developments that were completely built-out by 2017 are not included; among the platted or permitted developments homebuilding either commenced or continued in 2018.

In addition to the current residential developments with homebuilding underway, Table 5 also lists recent land use applications for future developments or additional phases of planned unit developments. These are likely to host homebuilding throughout 2019 and 2020. We have identified the school attendance areas for each development using taxlot numbers listed in the City of Redmond Community Development Department's Monthly Activity Reports. Based on

the location of these developments the Sage Elementary area is likely to continue to experience the greatest amount of residential development, followed by the John Tuck area.

The Activity Reports also list pre-development applications not included in Table 5. Sage contains the greatest number of units in these prospective developments as well, with about 350 more lots in the pipeline. Pre-development activity also includes a 192 unit apartment complex in the M.A. Lynch attendance area. Furthermore, planning is underway for the Canyon Ridge, Dry Canyon Village, and Central Christian developments that may include several hundred units in the Tom McCall Elementary attendance area.

**Table 4**  
**Housing Units Permitted by Attendance Area**

| Elementary Area                | Single Family Housing Units Permitted by Year   |            |            |                |              |
|--------------------------------|-------------------------------------------------|------------|------------|----------------|--------------|
|                                | 2015                                            | 2016       | 2017       | 2018 (Jan-Sep) | Total        |
| John Tuck                      | 22                                              | 76         | 129        | 103            | 330          |
| M. A. Lynch                    | 54                                              | 17         | 16         | 11             | 98           |
| Sage                           | 101                                             | 92         | 129        | 77             | 399          |
| Terrebonne                     | 24                                              | 30         | 39         | 21             | 114          |
| Tom McCall                     | 30                                              | 60         | 81         | 39             | 210          |
| Tumalo                         | 73                                              | 78         | 50         | 16             | 217          |
| Vern Patrick                   | 30                                              | 48         | 54         | 33             | 165          |
| <b>High/Middle School Area</b> |                                                 |            |            |                |              |
| Redmond HS/EGMS                | 79                                              | 168        | 254        | 165            | 666          |
| Ridgeview HS/OMS               | 255                                             | 233        | 244        | 135            | 867          |
| <b>District Total</b>          | <b>334</b>                                      | <b>401</b> | <b>498</b> | <b>300</b>     | <b>1,533</b> |
| Elementary Area                | Multiple Family Housing Units Permitted by Year |            |            |                |              |
|                                | 2015                                            | 2016       | 2017       | 2018 (Jan-Sep) | Total        |
| John Tuck                      |                                                 |            | 2          | 6              | 8            |
| M. A. Lynch                    |                                                 | 48         |            | 11             | 59           |
| Sage                           |                                                 |            | 35         | 78             | 113          |
| Terrebonne                     |                                                 |            |            |                | 0            |
| Tom McCall                     |                                                 |            |            |                | 0            |
| Tumalo                         |                                                 |            |            |                | 0            |
| Vern Patrick                   | 6                                               | 70         | 4          |                | 80           |
| <b>High/Middle School Area</b> |                                                 |            |            |                |              |
| Redmond HS/EGMS                |                                                 | 48         | 2          | 17             | 67           |
| Ridgeview HS/OMS               | 6                                               | 70         | 39         | 78             | 193          |
| <b>District Total</b>          | <b>6</b>                                        | <b>118</b> | <b>41</b>  | <b>95</b>      | <b>260</b>   |

Source: Data from Construction Monitor, LLC, processed and geocoded by PRC.

**Table 5**  
**Residential Development Underway**  
**Redmond School District by Attendance Area**

***Current Residential Developments<sup>1</sup>***

| <b>Elementary/Middle/High Area</b> | <b>Name</b>                                | <b>Lots/Units</b> |
|------------------------------------|--------------------------------------------|-------------------|
| John Tuck/Elton Gregory/Redmond    | 27 Elm Phase 1 and 2                       | 21                |
| John Tuck/Elton Gregory/Redmond    | Canyon Rim Village Phase 8                 | 19                |
| John Tuck/Elton Gregory/Redmond    | Fairhaven Vista P.U.D. Phase 6             | 36                |
| John Tuck/Elton Gregory/Redmond    | Maple Meadows, Phase 1                     | 55                |
| John Tuck/Elton Gregory/Redmond    | Megan Park Phase 2                         | 29                |
| M.A. Lynch/Elton Gregory/Redmond   | 1576 SW Juniper Ave. Apartments            | 30                |
| Sage/Obsidian/Ridgeview            | Glenn Meadow Phase 2                       | 16                |
| Sage/Obsidian/Ridgeview            | Emerald View Estates Phase 1               | 16                |
| Sage/Obsidian/Ridgeview            | Makena View Estates                        | 13                |
| Sage/Obsidian/Ridgeview            | Triple Ridge Phase 1                       | 49                |
| Sage/Obsidian/Ridgeview            | Emerald View Estates, Phase 2              | 25                |
| Sage/Obsidian/Ridgeview            | Prairie Crossing P.U.D., Phases 1, 2 and 3 | 77                |
| Sage/Obsidian/Ridgeview            | Ridgeview Heights Apartments               | 90                |
| Sage/Obsidian/Ridgeview            | Redtail Ridge                              | 63                |
| Sage/Obsidian/Ridgeview            | The Links Condominiums                     | 30                |
| Tom McCall/Elton Gregory/Redmond   | Vista Meadows Phase 4                      | 27                |
| Tom McCall/Elton Gregory/Redmond   | Brooktree                                  | 69                |
| Tom McCall/Elton Gregory/Redmond   | Canyon Crossing Phase 1 and 2              | 24                |
| Vern Patrick/Obsidian/Ridgeview    | Crossings At Metolius                      | 17                |
| Vern Patrick/Obsidian/Ridgeview    | Obsidian Trails Phase 2                    | 31                |
| Vern Patrick/Obsidian/Ridgeview    | Obsidian Trails, Phase 3                   | 28                |

***Recent Land Use Applications<sup>2</sup>***

| <b>Elementary/Middle/High Area</b> | <b>Name</b>                      | <b>Lots/Units</b> |
|------------------------------------|----------------------------------|-------------------|
| John Tuck/Elton Gregory/Redmond    | Final Plat: 23 lot subdivision   | 23                |
| John Tuck/Elton Gregory/Redmond    | Subdivision: Canyon Rim          | 19                |
| John Tuck/Elton Gregory/Redmond    | Subdivision: Elm Park            | 30                |
| John Tuck/Elton Gregory/Redmond    | Subdivision: Sego Estates        | 62                |
| Sage/Obsidian/Ridgeview            | Final Plat: Triple Ridge Phase 2 | *                 |
| Sage/Obsidian/Ridgeview            | Triple Ridge Apartments          | 51                |
| Sage/Obsidian/Ridgeview            | Extension: Josie Meadows         | 31                |
| Sage/Obsidian/Ridgeview            | Extension: Subdivision           | *                 |
| Tom McCall/Elton Gregory/Redmond   | Extension: Sunrise Meadows       | *                 |
| Vern Patrick/Obsidian/Ridgeview    | Final Plat: 27 lot subdivision   | 27                |
| Vern Patrick/Obsidian/Ridgeview    | Subdivision: Mirage              | 59                |

1. Construction ongoing in 2018 in these subdivisions and multi-family developments of 12 or more lots or units that have been platted or permitted as of October 2018. Lot counts for subdivisions are totals that may also include homes completed in 2016 or 2017. Sources: Deschutes County Data Portal, at <https://data-deschutes.opendata.arcgis.com/datasets/subdivisions>; permits from Construction Monitor LLC.

2. Additional developments not yet platted. From 2017 and 2018 City of Redmond Monthly Activity Reports for Community Development Department, at <https://www.ci.redmond.or.us/government/departments/community-development/reference-information/monthly-activity-reports>. \*Asterisk indicates lot count not reported.

## ENROLLMENT TRENDS

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Table 6 summarizes the enrollment history for the District by grade level annually for the past 10 years, from 2008-09 to 2018-19. The figures do not include Redmond Proficiency Academy (RPA) students who are not District residents, Post-Graduate Scholars, or Redmond K-12 Online. RPA students residing within the District are included.

Under this method of counting RSD students, total K-12 enrollment is 7,072 in the current school year, and has increased by 341 students in the past five years since 2013-14, after falling in four out of five years between 2008-09 and 2013-14. Since the low of 2011-12, the number of enrolled students has increased by 6 percent and surpassed the previous peak enrollment observed in the 2008-09 school year.

The figures at the bottom of Table 6 summarize growth by elementary, middle and high school grade level groups for five and 10 year periods. There was a decline in enrollment across all grade levels; the “5 Year Change” for 2008-09 to 2013-14 shows that the numeric and percent decline was greatest in the elementary school (K-5<sup>th</sup>) and middle school (6<sup>th</sup>-8<sup>th</sup>) grade levels. The overall K-12 decline from 2008-09 to 2013-14 was 334 students (five percent).

The second “5 Year Change” section is for 2013-14 to 2018-19, when K-12 enrollment grew each of the five years. All of the grade level groups experienced an increase in enrollment during the period. Middle school and high school grade levels saw significant increases of nine and eight percent respectively. Elementary enrollment was only one percent greater in 2018-19 than in 2013-14, having fallen slightly after 2016-17 as students from the large birth cohorts of the mid-2000s advanced into middle school. In the current school year middle and high school levels have exceeded their previous peak enrollments. Overall K-12 growth between 2013-14 and 2018-19 was 341 students (five percent).

**Table 6**  
**Redmond School District, Enrollment History\*, 2008-09 to 2018-19**

| Grade                | 2008-09      | 2009-10       | 2010-11       | 2011-12      | 2012-13      | 2013-14      | 2014-15      | 2015-16      | 2016-17      | 2017-18      | 2018-19      |
|----------------------|--------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| K                    | 546          | 478           | 469           | 516          | 504          | 454          | 490          | 467          | 476          | 495          | 486          |
| 1                    | 518          | 563           | 536           | 496          | 543          | 558          | 496          | 551          | 491          | 508          | 512          |
| 2                    | 549          | 487           | 562           | 517          | 490          | 528          | 548          | 500          | 557          | 491          | 513          |
| 3                    | 550          | 522           | 494           | 546          | 558          | 491          | 569          | 563          | 521          | 576          | 507          |
| 4                    | 533          | 531           | 511           | 497          | 535          | 543          | 507          | 550          | 571          | 535          | 580          |
| 5                    | 564          | 503           | 518           | 512          | 498          | 531          | 554          | 511          | 568          | 569          | 531          |
| 6                    | 538          | 549           | 488           | 510          | 505          | 502          | 538          | 530          | 521          | 567          | 580          |
| 7                    | 559          | 529           | 539           | 465          | 521          | 513          | 483          | 546          | 551          | 517          | 573          |
| 8                    | 556          | 538           | 503           | 542          | 480          | 520          | 519          | 504          | 551          | 550          | 527          |
| 9                    | 520          | 578           | 530           | 499          | 559          | 499          | 554          | 544          | 530          | 577          | 588          |
| 10                   | 540          | 525           | 559           | 537          | 518          | 567          | 513          | 566          | 551          | 552          | 582          |
| 11                   | 534          | 526           | 509           | 540          | 513          | 486          | 554          | 503          | 538          | 528          | 538          |
| 12                   | 558          | 567           | 572           | 516          | 540          | 539          | 523          | 566          | 546          | 572          | 555          |
| <b>Total</b>         | <b>7,065</b> | <b>6,896</b>  | <b>6,790</b>  | <b>6,693</b> | <b>6,764</b> | <b>6,731</b> | <b>6,848</b> | <b>6,901</b> | <b>6,972</b> | <b>7,037</b> | <b>7,072</b> |
| <i>Annual change</i> |              | -169<br>-2.4% | -106<br>-1.5% | -97<br>-1.4% | 71<br>1.1%   | -33<br>-0.5% | 117<br>1.7%  | 53<br>0.8%   | 71<br>1.0%   | 65<br>0.9%   | 35<br>0.5%   |
| K-5                  | 3,260        | 3,084         | 3,090         | 3,084        | 3,128        | 3,105        | 3,164        | 3,142        | 3,188        | 3,174        | 3,129        |
| 6-8                  | 1,653        | 1,616         | 1,530         | 1,517        | 1,506        | 1,535        | 1,540        | 1,580        | 1,623        | 1,634        | 1,680        |
| 9-12                 | 2,152        | 2,196         | 2,170         | 2,092        | 2,130        | 2,091        | 2,144        | 2,179        | 2,161        | 2,229        | 2,263        |

|              | <b>5 Year Change:<br/>2008-09 to 2013-14</b> |             | <b>5 Year Change:<br/>2013-14 to 2018-19</b> |             | <b>10 Year Change:<br/>2008-09 to 2018-19</b> |             |
|--------------|----------------------------------------------|-------------|----------------------------------------------|-------------|-----------------------------------------------|-------------|
|              | <b>Change</b>                                | <b>Pct.</b> | <b>Change</b>                                | <b>Pct.</b> | <b>Change</b>                                 | <b>Pct.</b> |
| K-5          | -155                                         | -5%         | 24                                           | 1%          | -131                                          | -4%         |
| 6-8          | -118                                         | -7%         | 145                                          | 9%          | 27                                            | 2%          |
| 9-12         | -61                                          | -3%         | 172                                          | 8%          | 111                                           | 5%          |
| <b>Total</b> | <b>-334</b>                                  | <b>-5%</b>  | <b>341</b>                                   | <b>5%</b>   | <b>7</b>                                      | <b>0%</b>   |

\*Note: Does not include RPA students residing out of district, Post-Graduate Scholars, or Redmond K-12 Online.

Source: Redmond School District

### ***Private and Home School Enrollment and Inter-district Transfers***

Two private schools located in Redmond are Central Christian School, enrolling about 250 students in grades K-12, and St. Thomas Academy, enrolling fewer than 100 students in grades K-5. However, RSD residents may also enroll in private schools beyond the District's boundaries. The Census Bureau's American Community Survey (ACS) provides an estimate of private school enrollment among RSD residents based on a question about school enrollment by level and by type (public or private). The current ACS estimate from surveys conducted between 2013 and 2017 is that 440 RSD K-12<sup>th</sup> grade students were enrolled in private schools, a 5.4 percent share of all K-12<sup>th</sup> graders, with a margin of error of plus or minus 2.8 percent.<sup>8</sup>

Another difference between RSD enrollment and child population can be attributed to home schooling. Home schooled students living in the District are required to register with the High Desert Education Service District (HDES), though the figures are not precise because students who move out of the area or enroll in other programs may not notify the HDES. Students who enroll in area public schools after being registered as home schooled are supposed to be dropped from the home school registry. There are currently 302 RSD residents registered as home schooled, having changed very little from the 309 students reported in 2015-16, 299 in 2012-13, or 294 in 2009-10.<sup>9</sup> The home schooled population accounts for about four percent of RSD 1<sup>st</sup> to 12<sup>th</sup> grade residents.

Private schools and home schooling help to explain the difference between the number of school-age children living in the District and the number attending District schools. Both represent "outflow" from the District. That is, children eligible but not attending District schools. The other "outflow" consists of District residents who attend public schools in other school districts. There is also a related "inflow" of residents from other districts. Under Oregon's traditional inter-district transfer (IDT) rules, students who want to attend a public school outside of their resident district have to gain approval from their home district and the district that they want to attend, and that approval must be renewed each year. Beginning in the 2012-13 school year, Oregon adopted a new

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<sup>8</sup> U.S. Census Bureau 2013-2017 American Community Survey, Table B14002. The margin of error (MOE) at the 90 percent confidence level was calculated by PSU-PRC from MOEs for more detailed estimates by gender and grade ranges.

<sup>9</sup> December 2018 and January 2016 correspondence from Home School Coordinator, High Desert Education Service District and Oregon Department of Education, Data forms submitted by Education Service Districts.

Open Enrollment policy under which students may transfer without approval of their home district to a district that designates available spaces at its schools. Once the student is admitted to the new district, they do not need to reapply annually. The original statute allowing Open Enrollment has expired, and it is unknown whether the Legislature will renew the policy for the 2019-20 school year. Table 7 shows that more students transfer out of than into RSD under both IDTs and Open Enrollment. However, the net loss has grown smaller in each of the last two years.

| Table 7<br>Inter-District Transfers                                                    |                                       |                              |                                       |                              |      |
|----------------------------------------------------------------------------------------|---------------------------------------|------------------------------|---------------------------------------|------------------------------|------|
|                                                                                        | Into RSD                              |                              | Out of RSD                            |                              | Net  |
|                                                                                        | Inter-District Transfers <sup>1</sup> | Open Enrollment <sup>2</sup> | Inter-District Transfers <sup>1</sup> | Open Enrollment <sup>2</sup> |      |
| 2015-16                                                                                |                                       |                              |                                       |                              |      |
| K-5                                                                                    | 21                                    | 8                            | 63                                    | 10                           | -44  |
| 6-8                                                                                    | 5                                     | 0                            | 39                                    | 30                           | -64  |
| 9-12                                                                                   | 21                                    | 5                            | 74                                    | 6                            | -54  |
| Net                                                                                    | 47                                    | 13                           | 176                                   | 46                           | -162 |
| 2016-17                                                                                |                                       |                              |                                       |                              |      |
| K-5                                                                                    | 44                                    | 18                           | 119                                   | 10                           | -67  |
| 6-8                                                                                    | 12                                    | 7                            | 53                                    | 5                            | -39  |
| 9-12                                                                                   | 40                                    | 15                           | 110                                   | 4                            | -59  |
| Net                                                                                    | 96                                    | 40                           | 282                                   | 19                           | -165 |
| 2017-18                                                                                |                                       |                              |                                       |                              |      |
| K-5                                                                                    | 42                                    | 18                           | 78                                    | 0                            | -18  |
| 6-8                                                                                    | 12                                    | 5                            | 52                                    | 0                            | -35  |
| 9-12                                                                                   | 24                                    | 15                           | 84                                    | 1                            | -46  |
| Net                                                                                    | 78                                    | 38                           | 214                                   | 1                            | -99  |
| 2018-19                                                                                |                                       |                              |                                       |                              |      |
| K-5                                                                                    | 14                                    | 20                           | 53                                    | 5                            | -24  |
| 6-8                                                                                    | 10                                    | 2                            | 41                                    | 0                            | -29  |
| 9-12                                                                                   | 21                                    | 7                            | 44                                    | 7                            | -23  |
| Net                                                                                    | 45                                    | 29                           | 138                                   | 12                           | -76  |
| 1. Traditional inter-district transfers; annual application required.                  |                                       |                              |                                       |                              |      |
| 2. Open enrollment based on initial school year; subsequent years enrollments unknown. |                                       |                              |                                       |                              |      |
| Source: Redmond School District                                                        |                                       |                              |                                       |                              |      |

## Neighboring Districts

Table 8 displays several facts about RSD demographic and enrollment trends in comparison to three other nearby Deschutes County school districts. Deschutes was Oregon's fastest growing county between 2000 and 2010, and all four districts experienced significant enrollment growth. However, school-age population shares declined in all districts, resulting in enrollment growth lagging population growth. Deschutes has continued to be the fastest growing county in Oregon but only the Bend-La Pine SD has continued to grow at a rapid pace.

**Table 8**  
**Selected Deschutes County School Districts**  
**Demographic and Enrollment Highlights, 2000 to 2017**

|                                              | <b>Redmond</b> | <b>Bend-La Pine</b> | <b>Sisters</b> | <b>Culver</b> |
|----------------------------------------------|----------------|---------------------|----------------|---------------|
| Enrollment change, <b>2000-01 to 2010-11</b> | 14.5%          | 12.8%               | 20.0%          | 9.6%          |
| Enrollment change, <b>2010-11 to 2017-18</b> | 3.6%           | 13.7%               | -18.8%         | 5.3%          |
| Latino enrollment, <b>2017-18</b>            | 17.6%          | 10.1%               | 6.2%           | 34.3%         |
| Population growth, <b>2000 to 2010</b>       | 40.3%          | 35.2%               | 26.7%          | 25.4%         |
| Population age 5 to 17, <b>2000</b>          | 19.5%          | 18.2%               | 19.1%          | 20.1%         |
| Population age 5 to 17, <b>2010</b>          | 18.7%          | 17.6%               | 16.8%          | 18.8%         |
| Population under age 5, <b>2000</b>          | 6.1%           | 6.2%                | 4.1%           | 6.6%          |
| Population under age 5, <b>2010</b>          | 6.2%           | 6.1%                | 3.5%           | 6.1%          |
| Population rural, <b>2010</b>                | 38.7%          | 19.7%               | 100.0%         | 100.0%        |
| Median Household Income <b>2013-17*</b>      | \$57,407       | \$59,709            | \$63,005       | \$51,920      |
| Median Household Income -MOE (+/-)*          | \$4,060        | \$2,409             | \$10,423       | \$6,777       |
| Median Value of Home <b>2013-17*</b>         | \$260,200      | \$308,200           | \$170,100      | \$382,600     |
| Median Household Income -MOE (+/-)*          | \$11,159       | \$9,205             | \$12,467       | \$39,647      |

*Data assembled by Population Research Center, PSU, from several sources: U.S. Census Bureau; OR Dept. of Education, school districts. Enrollments may include charter schools and special programs not typically included in District reports.*

*\*U.S. Census Bureau, 2003-2017 American Community Survey 5 Year Estimates. In 2017 inflation adjusted dollars. ACS data needs to be interpreted along with margins of error (MOE).*



### ***Enrollment Trends at Individual Schools***

Total enrollments at each of the District's schools from 2013-14 to 2018-19 are shown in Table 9. Enrollment change is calculated for the five year period.

About one out of every six RSD residents in grades 1-5 are enrolled in a school other than their neighborhood school. Therefore, enrollment trends do not necessarily parallel trends in neighborhood school age population. Furthermore, kindergarten students residing in the five Elementary School attendance areas (excluding Terrebonne and Tumalo Community Schools) have been assigned to the Redmond Early Learning Center (RELC) since 2016-17. Because these schools no longer have kindergarten students, enrollment losses in the numeric and percent change columns are overstated. In fact, had RELC students been enrolled in their neighborhood schools in fall 2018, Sage would have shown an increase of 51 students (nine percent) and John Tuck would have shown an increase of 31 students (seven percent) from 2013-14 to 2018-19. However, even after kindergarten residents are added to enrollments at the other elementary schools, losses of 27 students at Vern Patrick, 29 students at Tom McCall, and 47 students at M.A. Lynch occurred over the five year period.

Enrollment at Tumalo Community School (K-8) has been relatively stable, while Terrebonne Community School (K-8) has gained enrollment, particularly in the current year.

Obsidian Middle School has experienced very stable enrollment, while Elton Gregory Middle School shows a clear upward trajectory, having gained students for four consecutive years. Both district-run high schools have grown, most notably Redmond High School, which has grown in each of the five years since 2013-14.

Enrollment figures in Table 9 do not include non-District residents enrolled at RPA or Post-Graduate Scholars.

**Table 9**  
**Enrollment History for Individual Schools<sup>1</sup>, 2013-14 to 2018-19**

| School                                          | 2013-14      | 2014-15      | 2015-16      | 2016-17      | 2017-18      | 2018-19      | Change<br>2013-14 to 2018-19 |           |
|-------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------------------|-----------|
|                                                 |              |              |              |              |              |              | Number                       | Percent   |
| Redmond Early Learning Center (K)               | --           | --           | --           | 364          | 385          | 379          | 379                          | --        |
| John Tuck Elementary (1-5)                      | 439          | 459          | 453          | 400          | 393          | 399          | -40                          | -9%       |
| M A Lynch Elementary (1-5)                      | 479          | 489          | 462          | 371          | 358          | 340          | -139                         | -29%      |
| Sage Elementary (1-5)                           | 584          | 581          | 641          | 525          | 512          | 554          | -30                          | -5%       |
| Terrebonne Community (K-8)                      | 403          | 409          | 423          | 411          | 418          | 444          | 41                           | 10%       |
| Tom McCall Elementary (1-5)                     | 531          | 543          | 533          | 486          | 475          | 449          | -82                          | -15%      |
| Tumalo Community (K-8)                          | 407          | 405          | 366          | 383          | 400          | 391          | -16                          | -4%       |
| Vern Patrick Elementary (1-5)                   | 443          | 450          | 435          | 400          | 395          | 343          | -100                         | -23%      |
| Elton Gregory Middle (6-8)                      | 564          | 560          | 576          | 627          | 636          | 674          | 110                          | 20%       |
| Obsidian Middle (6-8)                           | 625          | 616          | 610          | 607          | 608          | 612          | -13                          | -2%       |
| Redmond High (9-12) <sup>2</sup>                | 832          | 862          | 895          | 944          | 971          | 1011         | 179                          | 22%       |
| Ridgeview High (9-12) <sup>2</sup>              | 813          | 871          | 885          | 866          | 920          | 903          | 90                           | 11%       |
| Redmond Proficiency Academy (6-12) <sup>2</sup> | 493          | 506          | 521          | 525          | 524          | 542          | 49                           | 10%       |
| Other Programs <sup>4</sup>                     | 118          | 97           | 101          | 63           | 42           | 31           | -87                          | -74%      |
| <b>District Totals</b>                          | <b>6,731</b> | <b>6,848</b> | <b>6,901</b> | <b>6,972</b> | <b>7,037</b> | <b>7,072</b> | <b>341</b>                   | <b>5%</b> |

1. Does not include Redmond K-12 Online, RPA students residing out-of-district, or Post-Graduate Scholars.

2. Does not include Post-Graduate Scholars.

3. Does not include RPA students residing out of district. 2018-19 count based on PRC geocode; RPA reported 530.

4. Brown Ed Center and Other Alternative Programs.

Source: Redmond School District.



## ENROLLMENT FORECASTS

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### *District-wide Long-range Forecast Methodology*

To ensure that enrollment forecasts are consistent with the dynamics of likely population growth within the District, we combine the grade progression enrollment model with a demographic cohort-component model used to forecast population for the District by age and sex. The components of population change are births, deaths, and migration. Using age-specific fertility rates, age-sex specific mortality rates, age-sex specific migration rates, estimates of recent net migration levels, and forecasts of future migration levels, each component is applied to the base year population in a manner that simulates the actual dynamics of population change.

The 2000 and 2010 Census results were used as a baseline for the population forecasts. By “surviving” the 2000 population and 2000s births (estimating the population in each age group that would survive to the year 2010) and comparing the “survived” population to the actual 2010 population by age group, we were able to estimate the overall level of net migration between 2000 and 2010 as well as net migration by gender and age cohort. The net migration data was used to develop initial net migration rates, which were used as a baseline for rates used to forecast net migration for the 2010 to 2030 period.

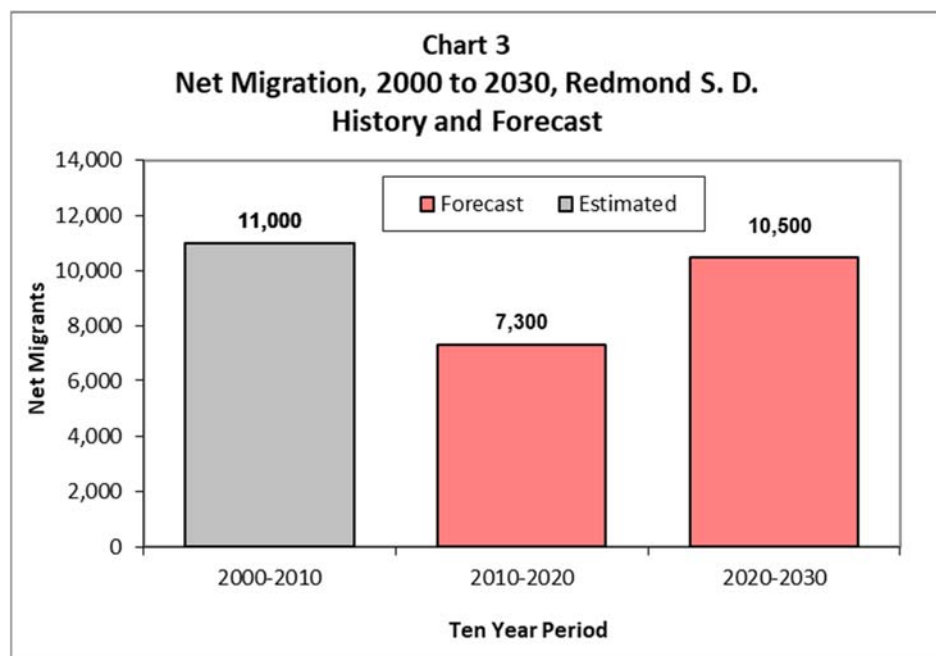
We estimated the number of births to women residing within the District each year from 1999 to 2017, using data from the Oregon Health Authority, Center for Health Statistics. Detailed information including the age of mothers is used to calculate age-specific fertility rates (ASFRs) for both 2000 and 2010.

The total fertility rate (TFR) is another measure of fertility; it is an estimate of the number of children that would be born to the average woman during her child-bearing years based on ASFRs observed at a given time. The estimated TFR for the District decreased from 2.15 in 2000 to 2.02 in 2010. Similar declines in TFRs were observed in Deschutes County and the State during the past decade. In 2000, the TFRs were 2.06 for Deschutes County and 1.98 for the State; while in 2010, the TFRs were 1.84 for Deschutes County and 1.81 for the State. Statewide TFR has fallen even further since 2010, reaching 1.59 in 2017.

Much of the decline in births that occurred after the 2007 peak was initially attributed to the economic stress on U.S. families during the Great Recession.<sup>10</sup> Although U.S. birth rates for women age 30 and older are now slightly higher than in 2007, rates for women under 30 have continued to decline; in 2017 rates for women under age 20, age 20 to 24, and 25 to 29 were all at historic lows.<sup>11</sup> Based on the number of births through 2017 to RSD residents by age of mother, we have adjusted ASFRs, resulting in a TFR of 1.89 that is maintained throughout the forecast. In spite of the relatively low rates, RSD births are forecast to increase due to overall population growth including immigration of young families.

### ***Population Forecast***

Chart 3 shows the 2000 to 2010 estimates and 2010 to 2030 forecasts of RSD population growth attributable to net migration.



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<sup>10</sup> “In a Down Economy, Fewer Births.” Pew Research Center, Pew Social & Demographic Trends, October 2011; “America’s Baby Bust.” Washington Post, July 21, 2014.

<sup>11</sup> “Births: Final Data for 2017.” National vital statistics reports: from the Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System 67.8 (2018). Available at [https://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67\\_08-508.pdf](https://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67_08-508.pdf).

The District added nearly 13,000 residents in the 2000s. Most of the increase was due to positive net migration (more people moving in than moving out) of around 11,000 persons. Natural increase (births minus deaths) accounted for the remainder of residents added. Due to the slow growth of the early 2010s, net migration adds fewer residents in the current decade, and the 2020 population forecast shows growth of about 8,000 since 2010. Net migration rebounds to near the level of the 2000s in the coming decade between 2020 and 2030. However, due to an aging population and low birth rates, there are expected to be more deaths than births in the 2020s; migration will account for all of the decade's population increase.

The district-wide population forecast by age group is presented in Table 10. Our forecast for 2030 population in the RSD is 62,722, an increase of 17,332 persons from the 2010 Census (1.6 percent average annual growth). School-age population (5 to 17) is forecast to increase at a slower growth rate than overall population. The 1,687 person growth in school-age population in the period between 2010 and 2030 amounts to a 1.0 percent annual average growth rate.

By 2030, the fastest growing age groups are the "baby boom" generation that will be in its 70s and 80s. Population age 65 and older is forecast to account for about 43 percent of the District's growth between 2010 and 2030.

Table 11 compares the District's growth rate with recent PRC forecasts for Deschutes County and the Redmond Urban Growth Boundary (UGB).<sup>12</sup> Growth rates for the District are slightly lower than for the UGB because the District includes areas outside of the UGB that are expected to grow more slowly than the UGB itself.

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<sup>12</sup> County and UGB forecasts from *Coordinated Population Forecasts, 2018 through 2068, Deschutes County*, Portland State University Population Research Center, June 2018. At <https://www.pdx.edu/prc/file/deschutesreportfinalpdf>

**Table 10**  
**Population by Age Group, History and Forecast**  
**Redmond School District, 2000 to 2030**

|                          | 2000<br>Census | 2010<br>Census | 2020<br>Forecast | 2030<br>Forecast | 2010 to 2030 Change |            |
|--------------------------|----------------|----------------|------------------|------------------|---------------------|------------|
|                          |                |                |                  |                  | Number              | Percent    |
| Under Age 5              | 1,981          | 2,822          | 3,101            | 3,381            | 559                 | 20%        |
| Age 5 to 9               | 2,347          | 2,967          | 3,022            | 3,660            | 693                 | 23%        |
| Age 10 to 14             | 2,553          | 3,145          | 2,976            | 3,808            | 663                 | 21%        |
| Age 15 to 17             | 1,437          | 1,891          | 1,934            | 2,222            | 331                 | 17%        |
| Age 18 to 19             | 690            | 942            | 832              | 929              | -13                 | -1%        |
| Age 20 to 24             | 1,480          | 2,188          | 2,754            | 2,594            | 406                 | 19%        |
| Age 25 to 29             | 1,722          | 2,618          | 3,195            | 3,207            | 589                 | 22%        |
| Age 30 to 34             | 2,114          | 2,652          | 3,023            | 3,869            | 1,217               | 46%        |
| Age 35 to 39             | 2,505          | 2,840          | 3,425            | 4,255            | 1,415               | 50%        |
| Age 40 to 44             | 2,736          | 3,021          | 3,307            | 3,896            | 875                 | 29%        |
| Age 45 to 49             | 2,576          | 3,151          | 3,324            | 4,093            | 942                 | 30%        |
| Age 50 to 54             | 2,346          | 3,318          | 3,457            | 3,856            | 538                 | 16%        |
| Age 55 to 59             | 1,918          | 3,261          | 3,651            | 3,951            | 690                 | 21%        |
| Age 60 to 64             | 1,705          | 3,152          | 3,876            | 4,164            | 1,012               | 32%        |
| Age 65 to 69             | 1,326          | 2,495          | 3,569            | 4,119            | 1,624               | 65%        |
| Age 70 to 74             | 1,116          | 1,916          | 3,122            | 3,877            | 1,961               | 102%       |
| Age 75 to 79             | 872            | 1,265          | 2,145            | 2,957            | 1,692               | 134%       |
| Age 80 to 84             | 555            | 939            | 1,456            | 2,220            | 1,281               | 136%       |
| Age 85 and over          | 448            | 807            | 1,168            | 1,664            | 857                 | 106%       |
| <b>Total Population</b>  | <b>32,427</b>  | <b>45,390</b>  | <b>53,338</b>    | <b>62,722</b>    | <b>17,332</b>       | <b>38%</b> |
| Total age 5 to 17        | 6,337          | 8,003          | 7,932            | 9,690            | 1,687               | 21%        |
| share age 5 to 17        | 19.5%          | 17.6%          | 14.9%            | 15.4%            |                     |            |
|                          |                |                |                  |                  |                     |            |
|                          |                | 2000-2010      | 2010-2020        | 2020-2030        |                     |            |
| <b>Population Change</b> |                | <b>12,963</b>  | <b>7,948</b>     | <b>9,385</b>     |                     |            |
| Percent                  |                | 40%            | 18%              | 18%              |                     |            |
| Average Annual           |                | 3.4%           | 1.6%             | 1.6%             |                     |            |

Source: U.S. Census Bureau, 2000 and 2010 Censuses; data aggregated to RSD boundary by Portland State University Population Research Center. PSU-PRC Forecasts, 2020 and 2030.

**Table 11**  
**Comparison of Population Growth Rates**  
**Deschutes County, Redmond, and Redmond S.D.**

| Area                                 | Average Annual Growth Rates           |                          |
|--------------------------------------|---------------------------------------|--------------------------|
|                                      | 2000 to<br>2010 Historic <sup>1</sup> | 2010 to<br>2030 Forecast |
| Deschutes County <sup>2</sup>        | 3.2%                                  | 2.2%                     |
| Redmond UGB <sup>2</sup>             | 5.5%                                  | 1.9%                     |
| Redmond School District <sup>3</sup> | 3.4%                                  | 1.6%                     |

1. Census data, 2000 and 2010.

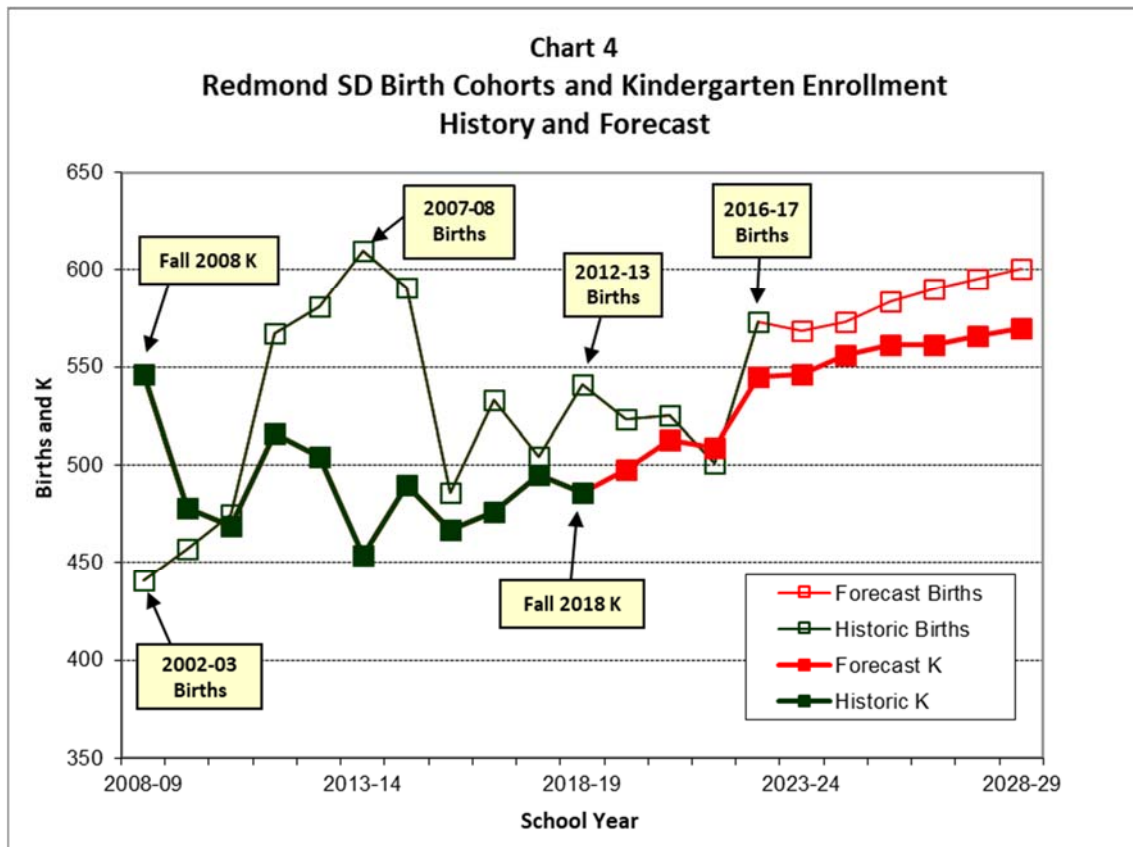
2. Forecasts from PSU Population Research Center, June 2018.

3. Redmond School District Population Forecast, PSU, Population Research Center, December 2018.

### ***District-wide Enrollment Forecast***

Chart 4 compares the historic and forecast number of births in the District with the historic and forecast number of RSD kindergarten students. Births correspond to kindergarten cohorts (September to August). Many children move into and out of the District between birth and age five, and not all District residents attend RSD kindergartens. Therefore, trends in kindergarten enrollment have not necessarily followed trends in birth cohorts. In fact, the kindergarten class of 2013-14 was the smallest of the past 10 years in spite of being five years after the largest birth cohort. That dichotomy is likely due to out-migration during the recession. In contrast, the gap between lagged births and kindergarten enrollment has subsequently narrowed, indicating net in-migration.





The four columns in Table 12 present:

- average grade progression rates (GPRs) calculated from district-wide enrollments in the five year period between 2008-09 and 2013-14,
- average grade progression rates (GPRs) calculated from district-wide enrollments in the five year period between 2013-14 and 2018-19,
- our “baseline” assumption of what future GPRs would be if there were no enrollment change due to migration, and
- average GPRs calculated from the forecast enrollments over the 10 year period.

During the 2008-09 to 2013-14 period at least part of the RSD’s enrollment loss was due to attrition among cohorts, either to out-migration or to the growth of alternatives such as online schools, inter-district transfers, and Open Enrollment. The evidence for attrition is the GPRs below 1.00 in nearly every elementary and middle school grade transition. Since 2013-14, significantly higher GPRs, mostly above 1.00, coincide with the period of enrollment growth. Forecast rates reflect continued growth; about two percent gain each year among elementary cohorts.

**Table 12**  
**Grade Progression Rates<sup>1</sup>**  
**Redmond S.D. History and Forecast**

| <b>Grade Transition</b> | <b>5 Year Average: 2008-09 to 2013-14</b> | <b>5 Year Average: 2013-14 to 2018-19</b> | <b>Baseline (without the influence of migration)</b> | <b>Forecast Average: 2018-19 to 2028-29</b> |
|-------------------------|-------------------------------------------|-------------------------------------------|------------------------------------------------------|---------------------------------------------|
| K-1                     | 1.07                                      | 1.07                                      | -- <sup>2</sup>                                      | 1.05                                        |
| 1-2                     | 0.97                                      | 1.00                                      | 1.00                                                 | 1.02                                        |
| 2-3                     | 1.00                                      | 1.04                                      | 1.01                                                 | 1.03                                        |
| 3-4                     | 0.98                                      | 1.01                                      | 1.00                                                 | 1.02                                        |
| 4-5                     | 0.98                                      | 1.01                                      | 1.00                                                 | 1.02                                        |
| 5-6                     | 0.98                                      | 1.00                                      | 0.99                                                 | 1.00                                        |
| 6-7                     | 0.99                                      | 1.00                                      | 1.00                                                 | 1.01                                        |
| 7-8                     | 0.99                                      | 1.02                                      | 1.00                                                 | 1.01                                        |
| 8-9                     | 1.02                                      | 1.06                                      | 1.05                                                 | 1.06                                        |
| 9-10                    | 1.01                                      | 1.02                                      | 1.00                                                 | 1.01                                        |
| 10-11                   | 0.96                                      | 0.97                                      | 0.96                                                 | 0.97                                        |
| 11-12                   | 1.04                                      | 1.06                                      | 1.04                                                 | 1.05                                        |

*1. Ratio of enrollment in an individual grade to enrollment in the previous grade the previous year.*

*2. The enrollment forecast model uses capture rates for first grade; K-1 baseline GPRs are not used.*

Table 13 contains annual detail of the enrollment forecast by grade level and five and ten year summaries by grade level groups. K-5<sup>th</sup> grade enrollments grow in both five year increments, adding 496 students (16 percent) over the 10 year period. Due to relatively large cohorts currently in middle school and recent flat or declining elementary enrollment, 6<sup>th</sup>-8<sup>th</sup> grade enrollment is slightly lower in the 2023-24 forecast than in 2018-19. However, growth after 2023-24 results in 6<sup>th</sup>-8<sup>th</sup> grade enrollment increasing by 137 students (eight percent) over the 10 year period. High school grades 9-12 add 238 students (11 percent) by 2023-24, and then plateau through 2028-29.

Enrollment changes are allocated to individual schools in Table 14, subject to current boundaries and grade configurations, existing trends, and expected residential development. Among elementary schools, Sage gains the most enrollment over the 10 year period. However, large residential developments on the drawing board on the north side of the City of Redmond result in Tom McCall adding over 100 students between 2022-23 and 2028-29.

**Table 13**  
**Redmond School District, Enrollment Forecasts\*, 2019-20 to 2028-29**

| <b>Actual</b>        |                | <b>Forecast</b> |                |                |                |                |                |                |                |                |                |
|----------------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>Grade</b>         | <b>2018-19</b> | <b>2019-20</b>  | <b>2020-21</b> | <b>2021-22</b> | <b>2022-23</b> | <b>2023-24</b> | <b>2024-25</b> | <b>2025-26</b> | <b>2026-27</b> | <b>2027-28</b> | <b>2028-29</b> |
| <b>K</b>             | 486            | 498             | 513            | 509            | 545            | 546            | 556            | 561            | 561            | 566            | 570            |
| <b>1</b>             | 512            | 509             | 522            | 538            | 535            | 571            | 573            | 583            | 588            | 588            | 593            |
| <b>2</b>             | 513            | 521             | 520            | 533            | 549            | 546            | 583            | 585            | 595            | 600            | 600            |
| <b>3</b>             | 507            | 527             | 536            | 535            | 549            | 565            | 562            | 600            | 602            | 612            | 618            |
| <b>4</b>             | 580            | 516             | 536            | 545            | 544            | 558            | 575            | 572            | 610            | 612            | 623            |
| <b>5</b>             | 531            | 589             | 524            | 544            | 553            | 552            | 567            | 584            | 581            | 619            | 621            |
| <b>6</b>             | 580            | 533             | 592            | 526            | 546            | 555            | 554            | 570            | 587            | 584            | 622            |
| <b>7</b>             | 573            | 589             | 540            | 600            | 533            | 553            | 562            | 561            | 577            | 595            | 592            |
| <b>8</b>             | 527            | 579             | 596            | 547            | 608            | 540            | 560            | 569            | 568            | 584            | 603            |
| <b>9</b>             | 588            | 561             | 616            | 634            | 582            | 647            | 575            | 596            | 606            | 605            | 622            |
| <b>10</b>            | 582            | 601             | 569            | 625            | 643            | 590            | 656            | 583            | 604            | 614            | 613            |
| <b>11</b>            | 538            | 572             | 584            | 553            | 607            | 625            | 573            | 637            | 566            | 587            | 597            |
| <b>12</b>            | 555            | 573             | 602            | 615            | 582            | 639            | 658            | 603            | 670            | 596            | 618            |
| <b>Total</b>         | <b>7,072</b>   | <b>7,168</b>    | <b>7,250</b>   | <b>7,304</b>   | <b>7,376</b>   | <b>7,487</b>   | <b>7,554</b>   | <b>7,604</b>   | <b>7,715</b>   | <b>7,762</b>   | <b>7,892</b>   |
| <b>Annual change</b> |                | 96              | 82             | 54             | 72             | 111            | 67             | 50             | 111            | 47             | 130            |
|                      |                | 1.4%            | 1.1%           | 0.7%           | 1.0%           | 1.5%           | 0.9%           | 0.7%           | 1.5%           | 0.6%           | 1.7%           |
| <b>K-5</b>           | 3,129          | 3,160           | 3,151          | 3,204          | 3,275          | 3,338          | 3,416          | 3,485          | 3,537          | 3,597          | 3,625          |
| <b>6-8</b>           | 1,680          | 1,701           | 1,728          | 1,673          | 1,687          | 1,648          | 1,676          | 1,700          | 1,732          | 1,763          | 1,817          |
| <b>9-12</b>          | 2,263          | 2,307           | 2,371          | 2,427          | 2,414          | 2,501          | 2,462          | 2,419          | 2,446          | 2,402          | 2,450          |

|              | <b>5 Year Growth:<br/>2018-19 to 2023-24</b> |             | <b>5 Year Growth:<br/>2023-24 to 2028-29</b> |             | <b>10 Year Growth:<br/>2018-19 to 2028-29</b> |             |
|--------------|----------------------------------------------|-------------|----------------------------------------------|-------------|-----------------------------------------------|-------------|
|              | <b>Growth</b>                                | <b>Pct.</b> | <b>Growth</b>                                | <b>Pct.</b> | <b>Growth</b>                                 | <b>Pct.</b> |
| K-5          | 209                                          | 7%          | 287                                          | 9%          | 496                                           | 16%         |
| 6-8          | -32                                          | -2%         | 169                                          | 10%         | 137                                           | 8%          |
| 9-12         | 238                                          | 11%         | -51                                          | -2%         | 187                                           | 8%          |
| <b>Total</b> | <b>415</b>                                   | <b>6%</b>   | <b>405</b>                                   | <b>5%</b>   | <b>820</b>                                    | <b>12%</b>  |

*\*Note: Does not include RPA students residing out of district, Post-Graduate Scholars, or Redmond K-12 Online.*

*Population Research Center,  
Portland State University, December 2018*

**Table 14**  
**Redmond School District, Enrollment Forecasts for Individual Schools<sup>1</sup>, 2019-20 to 2028-29**

|                                           | Actual  | Forecast |         |         |         |         |         |         |         |         |         | Change<br>2018-19- |
|-------------------------------------------|---------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------------------|
| School                                    | 2018-19 | 2019-20  | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 | 2025-26 | 2026-27 | 2027-28 | 2028-29 | 2028-29            |
| Redmond Early Learning Center (I          | 379     | 394      | 410     | 409     | 437     | 439     | 446     | 453     | 454     | 459     | 462     | 83                 |
| John Tuck Elementary (1-5)                | 399     | 392      | 385     | 396     | 390     | 394     | 409     | 418     | 426     | 436     | 441     | 42                 |
| M A Lynch Elementary (1-5)                | 340     | 348      | 327     | 337     | 340     | 361     | 364     | 371     | 377     | 386     | 386     | 46                 |
| Sage Elementary (1-5)                     | 554     | 586      | 609     | 628     | 668     | 669     | 693     | 705     | 717     | 726     | 732     | 178                |
| Terrebonne Community (K-8)                | 444     | 458      | 461     | 468     | 473     | 474     | 476     | 479     | 479     | 476     | 477     | 33                 |
| Tom McCall Elementary (1-5)               | 449     | 423      | 410     | 401     | 398     | 413     | 444     | 465     | 479     | 495     | 505     | 56                 |
| Tumalo Community (K-8)                    | 391     | 394      | 396     | 401     | 410     | 415     | 426     | 429     | 433     | 439     | 441     | 50                 |
| Vern Patrick Elementary (1-5)             | 343     | 340      | 325     | 327     | 326     | 348     | 347     | 355     | 361     | 364     | 368     | 25                 |
|                                           |         |          |         |         |         |         |         |         |         |         |         |                    |
| Elton Gregory Middle (6-8)                | 674     | 691      | 709     | 675     | 674     | 648     | 644     | 637     | 651     | 673     | 703     | 29                 |
| Obsidian Middle (6-8)                     | 612     | 610      | 618     | 606     | 616     | 597     | 615     | 645     | 664     | 678     | 699     | 87                 |
|                                           |         |          |         |         |         |         |         |         |         |         |         |                    |
| Redmond High School (9-12) <sup>2</sup>   | 1011    | 1,055    | 1,075   | 1,132   | 1,149   | 1,199   | 1,181   | 1,155   | 1,154   | 1,116   | 1,131   | 120                |
| Ridgeview High School (9-12) <sup>2</sup> | 903     | 921      | 969     | 968     | 939     | 974     | 953     | 936     | 964     | 958     | 991     | 88                 |
| Redmond Proficiency Acad. (6-12)          | 542     | 525      | 525     | 525     | 525     | 525     | 525     | 525     | 525     | 525     | 525     | -17                |
|                                           |         |          |         |         |         |         |         |         |         |         |         |                    |
| Other Programs <sup>4</sup>               | 31      | 31       | 31      | 31      | 31      | 31      | 31      | 31      | 31      | 31      | 31      | 0                  |
|                                           |         |          |         |         |         |         |         |         |         |         |         |                    |
| District Totals                           | 7,072   | 7,168    | 7,250   | 7,304   | 7,376   | 7,487   | 7,554   | 7,604   | 7,715   | 7,762   | 7,892   | 820                |

1. Does not include RPA students residing out of district, Post-Graduate Scholars, or Redmond K-12 Online.

2. Does not include Post-Graduate Scholars.

3. Does not include RPA students residing out of district. 2018-19 count based on PRC geocode; RPA reported 530.

4. Brown Ed Center and Other Alternative Programs.

Population Research Center, Portland State University, December 2018



## **APPENDIX A**

### **ESTIMATES OF STUDENTS RESIDING IN NEW SINGLE FAMILY HOMES**



## ESTIMATES OF STUDENTS RESIDING IN NEW SINGLE FAMILY HOMES

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How many children are expected to live in future new homes and attend Redmond schools? Because each housing development is unique, the number of resident public school students per home may depend on factors including affordability, proximity to schools, the number of bedrooms, and the presence or absence of child-friendly amenities within the development and in the surrounding neighborhood. However, district-wide average student generation rates (SGRs) are useful as a baseline for estimating potential student generation from planned and proposed developments.

Using data from Deschutes County we first identified subdivisions platted within the District since 2007. Additional research based on taxlot data, building permits, and aerial photos quantified the number of homes that had been completed by 2016.<sup>13</sup> We narrowed the list to 19 subdivisions containing a total of 531 homes. Real estate listings confirmed that most of the homes included three or four bedrooms and two to three bathrooms. By combining the subdivision layers with fall 2018 student address points we found that the average number of RSD K-12 students including RSD residents enrolled at RPA in recently built single family homes was 0.395, or about 40 students in every 100 new homes.

It is important to note that SGRs are dynamic. These homes built in the 10 years prior to fall 2018 may be near their peak number of elementary students, but the number of high school students may continue to climb as families “age in place.” Among single family homes in a 2010 study for the Bend-LaPine School District we found the greatest average number of elementary and middle school students in homes less than 10 years old, the greatest average number of high school students in homes 10 to 19 years old, and the fewest average number of students at all school levels in homes 20 years old or older.<sup>14</sup> These results are matched in nearly every Oregon district for which we have measured SGRs.

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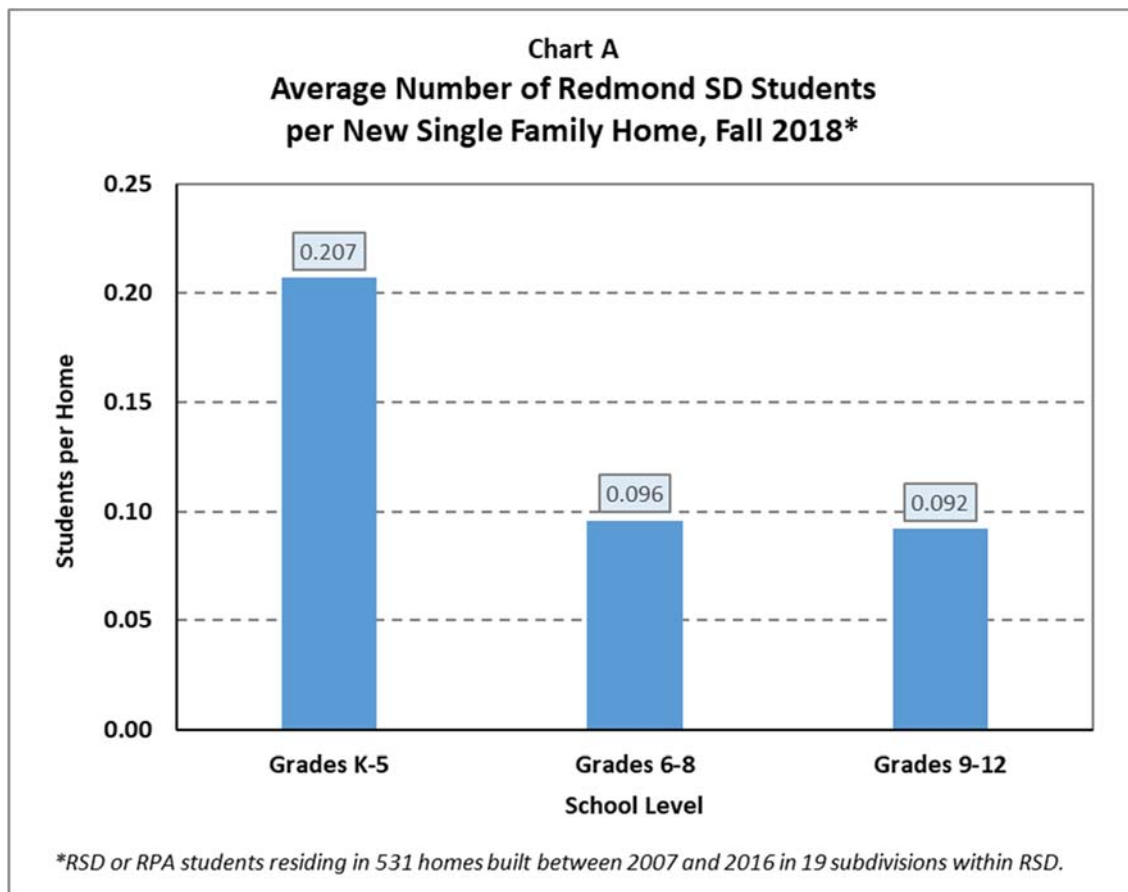
<sup>13</sup> Subdivision and taxlot layers were downloaded from the Deschutes County Data Portal on December 2, 2018. Residential building permits were acquired from Construction Monitor, LLC, processed and geocoded by PRC.

<sup>14</sup> Table 9 in *Bend-LaPine School District Population and Enrollment Forecasts, 2010-11 to 2030-31*, PSU Population Research Center, March 2010. <https://pdxscholar.library.pdx.edu/enrollmentforecasts/7/>.



Chart A depicts the RSD fall 2018 rates by school level. The rates per home mean that for every 100 homes we found about 21 students enrolled in grades K-5, about 10 in grades 6-8, and about nine in grades 9-12.

The rates are averaged across all 531 homes, but there is considerable variation between subdivisions. Among developments with 20 or more homes we found as few as 0.273 K-12 students per home in a subdivision that included homes as small as two bedrooms and one bath, and as many as 0.591 K-12 students in a subdivision that included five bedroom homes.



## **APPENDIX B**

### **2000 AND 2010 CENSUS PROFILE**

### **2013-2017 POPULATION, HOUSING, SOCIAL AND ECONOMIC PROFILE**



## 2000 and 2010 Census Profile

### Redmond School District

Approximation based on census blocks

| POPULATION         | 2000   |        | 2010   |        | Change |       |
|--------------------|--------|--------|--------|--------|--------|-------|
| SEX AND AGE        |        |        |        |        |        |       |
| Total population   | 32,427 | 100.0% | 45,390 | 100.0% | 12,963 | 40.0% |
| Under 5 years      | 1,981  | 6.1%   | 2,822  | 6.2%   | 841    | 42.5% |
| 5 to 9 years       | 2,347  | 7.2%   | 2,967  | 6.5%   | 620    | 26.4% |
| 10 to 14 years     | 2,553  | 7.9%   | 3,145  | 6.9%   | 592    | 23.2% |
| 15 to 19 years     | 2,127  | 6.6%   | 2,833  | 6.2%   | 706    | 33.2% |
| 20 to 24 years     | 1,480  | 4.6%   | 2,188  | 4.8%   | 708    | 47.8% |
| 25 to 29 years     | 1,722  | 5.3%   | 2,618  | 5.8%   | 896    | 52.0% |
| 30 to 34 years     | 2,114  | 6.5%   | 2,652  | 5.8%   | 538    | 25.4% |
| 35 to 39 years     | 2,505  | 7.7%   | 2,840  | 6.3%   | 335    | 13.4% |
| 40 to 44 years     | 2,736  | 8.4%   | 3,021  | 6.7%   | 285    | 10.4% |
| 45 to 49 years     | 2,576  | 7.9%   | 3,151  | 6.9%   | 575    | 22.3% |
| 50 to 54 years     | 2,346  | 7.2%   | 3,318  | 7.3%   | 972    | 41.4% |
| 55 to 59 years     | 1,918  | 5.9%   | 3,261  | 7.2%   | 1,343  | 70.0% |
| 60 to 64 years     | 1,705  | 5.3%   | 3,152  | 6.9%   | 1,447  | 84.9% |
| 65 to 69 years     | 1,326  | 4.1%   | 2,495  | 5.5%   | 1,169  | 88.2% |
| 70 to 74 years     | 1,116  | 3.4%   | 1,916  | 4.2%   | 800    | 71.7% |
| 75 to 79 years     | 872    | 2.7%   | 1,265  | 2.8%   | 393    | 45.1% |
| 80 to 84 years     | 555    | 1.7%   | 939    | 2.1%   | 384    | 69.2% |
| 85 years and over  | 448    | 1.4%   | 807    | 1.8%   | 359    | 80.1% |
| Median age (years) | 38.8   |        | 41.0   |        | 2.2    |       |
| Under 18 years     | 8,318  | 25.7%  | 10,825 | 23.8%  | 2,507  | 30.1% |
| 18 to 64 years     | 19,792 | 61.0%  | 27,143 | 59.8%  | 7,351  | 37.1% |
| 65 years and over  | 4,317  | 13.3%  | 7,422  | 16.4%  | 3,105  | 71.9% |
|                    |        |        |        |        |        |       |
| Male population    | 16,104 | 100.0% | 22,349 | 100.0% | 6,245  | 38.8% |
| Under 5 years      | 1,035  | 6.4%   | 1,415  | 6.3%   | 380    | 36.7% |
| 5 to 9 years       | 1,196  | 7.4%   | 1,536  | 6.9%   | 340    | 28.4% |
| 10 to 14 years     | 1,310  | 8.1%   | 1,608  | 7.2%   | 298    | 22.7% |
| 15 to 19 years     | 1,120  | 7.0%   | 1,438  | 6.4%   | 318    | 28.4% |
| 20 to 24 years     | 728    | 4.5%   | 1,096  | 4.9%   | 368    | 50.5% |
| 25 to 29 years     | 874    | 5.4%   | 1,297  | 5.8%   | 423    | 48.4% |
| 30 to 34 years     | 1,036  | 6.4%   | 1,314  | 5.9%   | 278    | 26.8% |
| 35 to 39 years     | 1,235  | 7.7%   | 1,453  | 6.5%   | 218    | 17.7% |
| 40 to 44 years     | 1,333  | 8.3%   | 1,434  | 6.4%   | 101    | 7.6%  |
| 45 to 49 years     | 1,266  | 7.9%   | 1,545  | 6.9%   | 279    | 22.0% |
| 50 to 54 years     | 1,119  | 6.9%   | 1,593  | 7.1%   | 474    | 42.4% |
| 55 to 59 years     | 918    | 5.7%   | 1,526  | 6.8%   | 608    | 66.2% |
| 60 to 64 years     | 874    | 5.4%   | 1,527  | 6.8%   | 653    | 74.7% |
| 65 to 69 years     | 681    | 4.2%   | 1,250  | 5.6%   | 569    | 83.6% |
| 70 to 74 years     | 546    | 3.4%   | 950    | 4.3%   | 404    | 74.0% |
| 75 to 79 years     | 407    | 2.5%   | 629    | 2.8%   | 222    | 54.5% |
| 80 to 84 years     | 255    | 1.6%   | 440    | 2.0%   | 185    | 72.5% |
| 85 years and over  | 171    | 1.1%   | 298    | 1.3%   | 127    | 74.3% |

Sources: U.S. Census Bureau, 2010 Census, Summary File 1; 2000 Census, Summary File 1.

Tabulated by Population Research Center, Portland State University.

[www.pdx.edu/prc](http://www.pdx.edu/prc)

## 2000 and 2010 Census Profile

### Redmond School District

Approximation based on census blocks

| POPULATION (continued)      | 2000   |        | 2010   |        | Change |       |
|-----------------------------|--------|--------|--------|--------|--------|-------|
| Male population (continued) |        |        |        |        |        |       |
| Median age (years)          | 38.1   |        | 40.1   |        | 2.0    |       |
| Under 18 years              | 4,304  | 26.7%  | 5,506  | 24.6%  | 1,202  | 27.9% |
| 18 to 64 years              | 9,740  | 60.5%  | 13,276 | 59.4%  | 3,536  | 36.3% |
| 65 years and over           | 2,060  | 12.8%  | 3,567  | 16.0%  | 1,507  | 73.2% |
| Female population           | 16,323 | 100.0% | 23,041 | 100.0% | 6,718  | 41.2% |
| Under 5 years               | 946    | 5.8%   | 1,407  | 6.1%   | 461    | 48.7% |
| 5 to 9 years                | 1,151  | 7.1%   | 1,431  | 6.2%   | 280    | 24.3% |
| 10 to 14 years              | 1,243  | 7.6%   | 1,537  | 6.7%   | 294    | 23.7% |
| 15 to 19 years              | 1,007  | 6.2%   | 1,395  | 6.1%   | 388    | 38.5% |
| 20 to 24 years              | 752    | 4.6%   | 1,092  | 4.7%   | 340    | 45.2% |
| 25 to 29 years              | 848    | 5.2%   | 1,321  | 5.7%   | 473    | 55.8% |
| 30 to 34 years              | 1,078  | 6.6%   | 1,338  | 5.8%   | 260    | 24.1% |
| 35 to 39 years              | 1,270  | 7.8%   | 1,387  | 6.0%   | 117    | 9.2%  |
| 40 to 44 years              | 1,403  | 8.6%   | 1,587  | 6.9%   | 184    | 13.1% |
| 45 to 49 years              | 1,310  | 8.0%   | 1,606  | 7.0%   | 296    | 22.6% |
| 50 to 54 years              | 1,227  | 7.5%   | 1,725  | 7.5%   | 498    | 40.6% |
| 55 to 59 years              | 1,000  | 6.1%   | 1,735  | 7.5%   | 735    | 73.5% |
| 60 to 64 years              | 831    | 5.1%   | 1,625  | 7.1%   | 794    | 95.5% |
| 65 to 69 years              | 645    | 4.0%   | 1,245  | 5.4%   | 600    | 93.0% |
| 70 to 74 years              | 570    | 3.5%   | 966    | 4.2%   | 396    | 69.5% |
| 75 to 79 years              | 465    | 2.8%   | 636    | 2.8%   | 171    | 36.8% |
| 80 to 84 years              | 300    | 1.8%   | 499    | 2.2%   | 199    | 66.3% |
| 85 years and over           | 277    | 1.7%   | 509    | 2.2%   | 232    | 83.8% |
| Median age (years)          | 39.5   |        | 41.9   |        | 2.4    |       |
| Under 18 years              | 4,014  | 24.6%  | 5,319  | 23.1%  | 1,305  | 32.5% |
| 18 to 64 years              | 10,052 | 61.6%  | 13,867 | 60.2%  | 3,815  | 38.0% |
| 65 years and over           | 2,257  | 13.8%  | 3,855  | 16.7%  | 1,598  | 70.8% |

#### AREA AND DENSITY

|                                     |         |         |     |       |
|-------------------------------------|---------|---------|-----|-------|
| 2010 Land Area - Acres <sup>1</sup> | 333,611 | 333,611 |     |       |
| Persons per acre                    | 0.1     | 0.1     | 0.0 | 40.0% |
| Persons per square mile             | 62      | 87      | 25  | 40.0% |

#### RACE

|                                                  |        |        |        |        |        |        |
|--------------------------------------------------|--------|--------|--------|--------|--------|--------|
| Total population                                 | 32,427 | 100.0% | 45,390 | 100.0% | 12,963 | 40.0%  |
| White alone                                      | 30,810 | 95.0%  | 41,618 | 91.7%  | 10,808 | 35.1%  |
| Black or African American alone                  | 37     | 0.1%   | 139    | 0.3%   | 102    | 275.7% |
| American Indian and Alaska Native alone          | 301    | 0.9%   | 478    | 1.1%   | 177    | 58.8%  |
| Asian alone                                      | 164    | 0.5%   | 299    | 0.7%   | 135    | 82.3%  |
| Native Hawaiian and Other Pacific Islander alone | 36     | 0.1%   | 62     | 0.1%   | 26     | 72.2%  |
| Some Other Race alone                            | 449    | 1.4%   | 1,685  | 3.7%   | 1,236  | 275.3% |
| Two or More Races                                | 630    | 1.9%   | 1,109  | 2.4%   | 479    | 76.0%  |

Sources: U.S. Census Bureau, 2010 Census, Summary File 1; 2000 Census, Summary File 1.

Tabulated by Population Research Center, Portland State University.

[www.pdx.edu/prc](http://www.pdx.edu/prc)

## 2000 and 2010 Census Profile

### Redmond School District

Approximation based on census blocks

| POPULATION (continued)                                                 | 2000   |       | 2010   |       | Change |        |
|------------------------------------------------------------------------|--------|-------|--------|-------|--------|--------|
| RACE (continued)                                                       |        |       |        |       |        |        |
| Race alone or in combination with one or more other races <sup>2</sup> |        |       |        |       |        |        |
| White                                                                  | 31,403 | 96.8% | 42,679 | 94.0% | 11,276 | 35.9%  |
| Black or African American                                              | 83     | 0.3%  | 299    | 0.7%  | 216    | 260.2% |
| American Indian and Alaska Native                                      | 644    | 2.0%  | 1,011  | 2.2%  | 367    | 57.0%  |
| Asian                                                                  | 280    | 0.9%  | 543    | 1.2%  | 263    | 93.9%  |
| Native Hawaiian and Other Pacific Islander                             | 90     | 0.3%  | 180    | 0.4%  | 90     | 100.0% |
| Some Other Race                                                        | 599    | 1.8%  | 1,892  | 4.2%  | 1,293  | 215.9% |

#### HISPANIC OR LATINO AND RACE

|                                                  |        |        |        |        |        |        |
|--------------------------------------------------|--------|--------|--------|--------|--------|--------|
| Total population                                 | 32,427 | 100.0% | 45,390 | 100.0% | 12,963 | 40.0%  |
| Hispanic or Latino                               | 1,219  | 3.8%   | 4,039  | 8.9%   | 2,820  | 231.3% |
| Not Hispanic or Latino                           | 31,208 | 96.2%  | 41,351 | 91.1%  | 10,143 | 32.5%  |
| White alone                                      | 30,202 | 93.1%  | 39,624 | 87.3%  | 9,422  | 31.2%  |
| Black or African American alone                  | 31     | 0.1%   | 123    | 0.3%   | 92     | 296.8% |
| American Indian and Alaska Native alone          | 283    | 0.9%   | 423    | 0.9%   | 140    | 49.5%  |
| Asian alone                                      | 155    | 0.5%   | 283    | 0.6%   | 128    | 82.6%  |
| Native Hawaiian and Other Pacific Islander alone | 31     | 0.1%   | 59     | 0.1%   | 28     | 90.3%  |
| Some Other Race alone                            | 20     | 0.1%   | 36     | 0.1%   | 16     | 80.0%  |
| Two or More Races                                | 486    | 1.5%   | 803    | 1.8%   | 317    | 65.2%  |

#### RELATIONSHIP

|                                      |        |        |        |        |        |        |
|--------------------------------------|--------|--------|--------|--------|--------|--------|
| Total population                     | 32,427 | 100.0% | 45,390 | 100.0% | 12,963 | 40.0%  |
| In households                        | 32,291 | 99.6%  | 45,057 | 99.3%  | 12,766 | 39.5%  |
| In family households                 | 28,029 | 86.4%  | 38,333 | 84.5%  | 10,304 | 36.8%  |
| Householder                          | 9,329  | 28.8%  | 12,710 | 28.0%  | 3,381  | 36.2%  |
| Spouse <sup>3</sup>                  | 7,783  | 24.0%  | 10,035 | 22.1%  | 2,252  | 28.9%  |
| Child                                | 9,121  | 28.1%  | 12,094 | 26.6%  | 2,973  | 32.6%  |
| Own child under 18 years             | 7,684  | 23.7%  | 9,708  | 21.4%  | 2,024  | 26.3%  |
| Other relatives                      | 1,051  | 3.2%   | 2,099  | 4.6%   | 1,048  | 99.7%  |
| Nonrelatives                         | 745    | 2.3%   | 1,395  | 3.1%   | 650    | 87.2%  |
| In nonfamily households              | 4,262  | 13.1%  | 6,724  | 14.8%  | 2,462  | 57.8%  |
| Householder                          | 3,258  | 10.0%  | 5,174  | 11.4%  | 1,916  | 58.8%  |
| Nonrelatives                         | 1,004  | 3.1%   | 1,550  | 3.4%   | 546    | 54.4%  |
| Population under 18 in households    | 8,315  | 100.0% | 10,818 | 99.9%  | 2,503  | 30.1%  |
| Population 18 to 64 in households    | 19,748 | 99.8%  | 27,049 | 99.7%  | 7,301  | 37.0%  |
| Population 65 and over in households | 4,228  | 97.9%  | 7,190  | 96.9%  | 2,962  | 70.1%  |
| In group quarters                    | 136    | 0.4%   | 333    | 0.7%   | 197    | 144.9% |

Sources: U.S. Census Bureau, 2010 Census, Summary File 1; 2000 Census, Summary File 1.

Tabulated by Population Research Center, Portland State University.

[www.pdx.edu/prc](http://www.pdx.edu/prc)

## 2000 and 2010 Census Profile

### Redmond School District

Approximation based on census blocks

| POPULATION (continued)                   | 2000 |        | 2010 |        | Change |        |
|------------------------------------------|------|--------|------|--------|--------|--------|
| GROUP QUARTERS                           |      |        |      |        |        |        |
| Total group quarters population          | 136  | 100.0% | 333  | 100.0% | 197    | 144.9% |
| Institutionalized population             | 54   | 39.7%  | 181  | 54.4%  | 127    | 235.2% |
| Male                                     | 18   | 13.2%  | 49   | 14.7%  | 31     | 172.2% |
| Female                                   | 36   | 26.5%  | 132  | 39.6%  | 96     | 266.7% |
| Noninstitutionalized population          | 82   | 60.3%  | 152  | 45.6%  | 70     | 85.4%  |
| Male                                     | 32   | 23.5%  | 58   | 17.4%  | 26     | 81.3%  |
| Female                                   | 50   | 36.8%  | 94   | 28.2%  | 44     | 88.0%  |
|                                          |      |        |      |        |        |        |
| Population under 18 in group quarters    | 3    | 0.0%   | 7    | 0.1%   | 4      | 133.3% |
| Population 18 to 64 in group quarters    | 44   | 0.2%   | 94   | 0.3%   | 50     | 113.6% |
| Population 65 and over in group quarters | 89   | 2.1%   | 232  | 3.1%   | 143    | 160.7% |

| HOUSEHOLDS                                    | 2000   |        | 2010   |        | Change |       |
|-----------------------------------------------|--------|--------|--------|--------|--------|-------|
| Total households                              | 12,587 | 100.0% | 17,884 | 100.0% | 5,297  | 42.1% |
| Family households (families) <sup>4</sup>     | 9,329  | 74.1%  | 12,710 | 71.1%  | 3,381  | 36.2% |
| With own children under 18 years              | 4,153  | 33.0%  | 5,231  | 29.2%  | 1,078  | 26.0% |
| Husband-wife family                           | 7,783  | 61.8%  | 10,035 | 56.1%  | 2,252  | 28.9% |
| With own children under 18 years              | 3,093  | 24.6%  | 3,560  | 19.9%  | 467    | 15.1% |
| Male householder, no wife present             | 501    | 4.0%   | 825    | 4.6%   | 324    | 64.7% |
| With own children under 18 years              | 333    | 2.6%   | 514    | 2.9%   | 181    | 54.4% |
| Female householder, no husband present        | 1,045  | 8.3%   | 1,850  | 10.3%  | 805    | 77.0% |
| With own children under 18 years              | 727    | 5.8%   | 1,157  | 6.5%   | 430    | 59.1% |
| Nonfamily households <sup>4</sup>             | 3,258  | 25.9%  | 5,174  | 28.9%  | 1,916  | 58.8% |
| Householder living alone                      | 2,499  | 19.9%  | 3,942  | 22.0%  | 1,443  | 57.7% |
| Male                                          | 1,151  | 9.1%   | 1,831  | 10.2%  | 680    | 59.1% |
| 65 years and over                             | 277    | 2.2%   | 499    | 2.8%   | 222    | 80.1% |
| Female                                        | 1,348  | 10.7%  | 2,111  | 11.8%  | 763    | 56.6% |
| 65 years and over                             | 679    | 5.4%   | 1,048  | 5.9%   | 369    | 54.3% |
|                                               |        |        |        |        |        |       |
| Households with individuals under 18 years    | 4,483  | 35.6%  | 5,770  | 32.3%  | 1,287  | 28.7% |
| Households with individuals 65 years and over | 2,988  | 23.7%  | 5,092  | 28.5%  | 2,104  | 70.4% |
|                                               |        |        |        |        |        |       |
| Average household size                        | 2.57   |        | 2.52   |        | -0.05  | -1.8% |
| Average family size <sup>4</sup>              | 2.92   |        | 2.91   |        | -0.02  | -0.6% |

Sources: U.S. Census Bureau, 2010 Census, Summary File 1; 2000 Census, Summary File 1.  
 Tabulated by Population Research Center, Portland State University.

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## 2000 and 2010 Census Profile

### Redmond School District

Approximation based on census blocks

| HOUSING UNITS                                   | 2000   |        | 2010   |        | Change |        |
|-------------------------------------------------|--------|--------|--------|--------|--------|--------|
| Total housing units                             | 13,704 | 100.0% | 20,954 | 100.0% | 7,250  | 52.9%  |
| Occupied housing units                          | 12,587 | 91.8%  | 17,884 | 85.3%  | 5,297  | 42.1%  |
| Owner occupied <sup>5</sup>                     | 9,576  | 76.1%  | 12,232 | 68.4%  | 2,656  | 27.7%  |
| Owned with a mortgage or a loan                 | N/A    |        | 9,125  | 74.6%  |        |        |
| Owned free and clear                            | N/A    |        | 3,107  | 25.4%  |        |        |
| Renter occupied                                 | 3,011  | 23.9%  | 5,652  | 31.6%  | 2,641  | 87.7%  |
| Vacant housing units <sup>6</sup>               | 1,117  | 8.2%   | 3,070  | 14.7%  | 1,953  | 174.8% |
| For rent                                        | 192    | 17.2%  | 541    | 17.6%  | 349    | 181.8% |
| For sale only                                   | 207    | 18.5%  | 554    | 18.0%  | 347    | 167.6% |
| Rented or sold, not occupied                    | 67     | 6.0%   | 103    | 3.4%   | 36     | 53.7%  |
| For seasonal, recreational, or occasional use   | 492    | 44.0%  | 1,427  | 46.5%  | 935    | 190.0% |
| For migrant workers                             | 1      | 0.1%   | 1      | 0.0%   | 0      | 0.0%   |
| All other vacants                               | 158    | 14.1%  | 444    | 14.5%  | 286    | 181.0% |
|                                                 |        |        |        |        |        |        |
| Owner-occupied housing units                    | 9,576  | 76.1%  | 12,232 | 68.4%  | 2,656  | 27.7%  |
| Population in owner-occupied housing units      | 24,679 |        | 30,201 |        | 5,522  | 22.4%  |
| Average household size of owner-occupied units  | 2.58   |        | 2.47   |        | -0.11  | -4.3%  |
| Renter-occupied housing units                   | 3,011  | 23.9%  | 5,652  | 31.6%  | 2,641  | 87.7%  |
| Population in renter-occupied housing units     | 7,612  |        | 14,856 |        | 7,244  | 95.2%  |
| Average household size of renter-occupied units | 2.53   |        | 2.63   |        | 0.10   | 4.0%   |

1. Land area of the 2010 census blocks that approximate the area.
2. In combination with one or more of the other races listed. The six numbers may add to more than the total population, and the six percentages may add to more than 100 percent because individuals may report more than one race.
3. "Spouse" represents spouse of the householder. It does not reflect all spouses in a household. Responses of "same-sex spouse" were edited during processing to "unmarried partner."
4. "Family households" consist of a householder and one or more other people related to the householder by birth, marriage, or adoption. They do not include same-sex married couples even if the marriage was performed in a state issuing marriage certificates for same-sex couples unless there is at least one additional person related to the householder by birth or adoption. Same-sex couple households with no relatives of the householder present are tabulated in nonfamily households. "Nonfamily households" consist of people living alone and households which do not have any members related to the householder.
5. Percentage distribution of ownership categories ("owned with a mortgage or a loan" and "owned free and clear") adds to 100 percent.
6. Percentage distribution of vacancy categories ("for rent," etc.) adds to 100 percent.

Sources: U.S. Census Bureau, 2010 Census, Summary File 1; 2000 Census, Summary File 1.  
Tabulated by Population Research Center, Portland State University.

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# Population, Housing, Social and Economic Profile

## Redmond School District 2J, Oregon

|                                                                                          | 2008-2012 |         |                          | 2013-2017 |         |                          | Compare                     |
|------------------------------------------------------------------------------------------|-----------|---------|--------------------------|-----------|---------|--------------------------|-----------------------------|
|                                                                                          | Estimate  | CV<br>* | Margin of<br>Error (+/-) | Estimate  | CV<br>* | Margin of<br>Error (+/-) | Statistically<br>Different? |
| <b>POPULATION</b>                                                                        |           |         |                          |           |         |                          |                             |
| Total population                                                                         | 44,979    | ●       | 983                      | 49,151    | ●       | 1,379                    | **                          |
| Percent under 18 years                                                                   | 23.1%     | ●       | 1.3%                     | 21.3%     | ●       | 1.2%                     | **                          |
| Percent 65 years and over                                                                | 16.1%     | ●       | 1.0%                     | 19.6%     | ●       | 1.1%                     | **                          |
| Median age (years)                                                                       | 40.4      | ●       | 1.9                      | 42.6      | ●       | 1.1                      | **                          |
| Percent white alone, non-Latino                                                          | 86.5%     | ●       | 1.9%                     | 86.8%     | ●       | 1.5%                     |                             |
| <b>HOUSING</b>                                                                           |           |         |                          |           |         |                          |                             |
| Total housing units                                                                      | 20,674    | ●       | 572                      | 21,409    | ●       | 687                      |                             |
| Occupied housing units                                                                   | 17,821    | ●       | 566                      | 18,991    | ●       | 701                      | **                          |
| Owner occupied                                                                           | 12,295    | ●       | 580                      | 12,979    | ●       | 547                      |                             |
| Percent owner-occupied                                                                   | 69.0%     | ●       | 2.4%                     | 68.3%     | ●       | 2.2%                     |                             |
| Renter occupied                                                                          | 5,526     | ●       | 455                      | 6,012     | ●       | 527                      |                             |
| Vacant housing units***                                                                  | 2,853     | ●       | 494                      | 2,418     | ●       | 366                      |                             |
| Vacancy rate                                                                             | 13.8%     | ●       | 2.2%                     | 11.3%     | ●       | 1.7%                     |                             |
| Average household size                                                                   | 2.51      | ●       | 0.07                     | 2.57      | ●       | 0.09                     |                             |
| Renter households paying more than 30 percent of household income on rent plus utilities | 58.7%     | ●       | 5.4%                     | 53.2%     | ●       | 7.0%                     |                             |
| <b>SOCIAL</b>                                                                            |           |         |                          |           |         |                          |                             |
| Age 25+ with a bachelor's degree or higher                                               | 20.5%     | ●       | 2.1%                     | 24.3%     | ●       | 1.9%                     | **                          |
| Foreign-born population                                                                  | 2,151     | ●       | 405                      | 2,032     | ●       | 494                      |                             |
| Percent foreign-born                                                                     | 4.8%      | ●       | 0.9%                     | 4.1%      | ●       | 1.0%                     |                             |
| Age 5+ language other than English at home                                               | 3,765     | ●       | 831                      | 3,058     | ●       | 551                      |                             |
| Percent language other than English                                                      | 8.9%      | ●       | 1.9%                     | 6.6%      | ●       | 1.2%                     | **                          |
| <b>ECONOMIC</b>                                                                          |           |         |                          |           |         |                          |                             |
| Median household income (2017 dollars)                                                   | \$50,423  | ●       | \$3,581                  | \$57,407  | ●       | \$4,060                  | **                          |
| Per capita income (2017 dollars)                                                         | \$25,952  | ●       | \$1,532                  | \$27,989  | ●       | \$1,315                  | **                          |
| Percent of persons below poverty level                                                   | 17.0%     | ●       | 2.4%                     | 13.4%     | ●       | 2.5%                     | **                          |

\* **Green**, **yellow**, and **red** icons indicate the reliability of each estimate using the coefficient of variation (CV). The lower the CV, the more reliable the data. **High reliability** (CV <15%) is shown in green, **medium reliability** (CV between 15-30% - be careful) is shown in yellow, and **low reliability** (CV >30% - use with extreme caution) is shown in red. However, there are no absolute rules for acceptable thresholds of reliability. Users should consider the margin of error and the need for precision.

\*\* Indicates that the two estimates are statistically different based on results of z-test taking into account the difference between the two estimates as well as an approximation of the standard errors of both estimates.

\*\*\* Vacant units include those for sale or rent, those sold or rented but not yet occupied, those held for seasonal, recreational, or occasional use, as well as other vacant such as homes under renovation, settlement of an estate, or foreclosures.

Source: U.S. Census Bureau, American Community Survey 5 year estimates. Surveys are collected over a 60 month period. Estimates represent average characteristics over the entire period. Tabulated by Population Research Center, Portland State University, with additional calculations from source data as needed.