

**PORTLAND PUBLIC SCHOOLS
ENROLLMENT FORECASTS
2018-19 to 2032-33**

Based on October 2017 Enrollments



AUGUST 2018

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EXECUTIVE SUMMARY

This report presents the results of a demographic study conducted by the Portland State University Population Research Center (PRC) for Portland Public Schools (PPS). The study includes analysis of population, housing and enrollment trends affecting the District in recent years, estimates of the number of PPS students by housing type, and annual forecasts of enrollment for a 15 year horizon, from 2018-19 to 2032-33. Enrollment forecasts were prepared under high, middle, and low scenarios for the District. Forecasts for attendance areas by place of residence and for individual schools are consistent with the middle district-wide forecast.

Population and Housing Trends

- Between 2000 and 2010, population within PPS grew by about 34,100, from 426,110 persons to 460,248. Population growth under the three forecast scenarios ranges from 46,700 to 55,200 between 2010 and 2020, followed by growth ranging from 36,900 to 59,100 between 2020 and 2030.
- The young adult population age 20 to 34 grew by about 14,000 (12 percent) between 2000 and 2010, but annual births to District residents changed very little during the decade, as fertility rates fell among women under age 30. The number of births has fallen more than 10 percent since a 2008 peak; the 2016 birth total was the lowest since the 1980s.
- In the most recent three years, 2015, 2016, and 2017, permits were issued for over 2,700 new single family homes and about 15,000 units in multiple family developments within PPS.
- Unit types most likely to be home to PPS students include single family homes and affordable multi-bedroom apartments. However, most new housing within PPS is in market-rate rental units, including many studio and one bedroom units.
- New affordable housing projects scheduled for occupancy between 2018 and 2020 within PPS include over 600 family-size units of two or more bedrooms.

Enrollment Trends

- In fall 2017, Portland Public Schools (PPS) enrolled 48,684 students in grades K-12, an increase of 375 students from fall 2016.
- For the nine year period since 2008-09, PPS K-12 enrollment has grown by 3,660 students (eight percent).
- After 10 consecutive years of annual elementary (K-5th) enrollment growth between fall 2006 and fall 2016, the district-wide K-5th grade total declined by 148 students (0.6 percent) in fall 2017.
- The drop in K-5 enrollment is due to successively smaller incoming kindergarten classes in each of the five years since their 2012-13 peak. Fall 2017 kindergarten enrollment was the smallest since 2007-08, and was 329 students lower than in 2012-13.
- Enrollment in middle grades (6th-8th) reached a new peak in fall 2017. The enrollment of 10,780 in grades 6-8 was 84 students (0.8 percent) greater than enrollment in fall 2016, and was the largest in 14 years.
- Enrollment in high school grades (9th-12th) has grown in each of the four years between fall 2013 and fall 2017, adding 577 students. Most of that growth occurred between fall 2016 and fall 2017, when grades 9-12 added 439 students (3.4 percent), reaching a total of 13,423, the largest in 10 years.
- The Cleveland, Grant, Lincoln, and Wilson high school clusters (HSCLs) gained PPS residents at every school level (elementary, middle, and high) during the five year period between 2012-13 and 2017-18, while the Madison and Roosevelt HSCLs lost students at every level.

Enrollment Forecasts

For the district-wide forecast, three scenarios of population and enrollment changes were developed: a most-likely, or middle, scenario; a scenario for lower growth; and a higher growth scenario. All three of the scenarios for the PPS district-wide enrollment forecasts use similar mortality, fertility, and kindergarten and first grade “capture” rates during the 15 year horizon.

The differences between the three scenarios are primarily due to different assumptions about the levels of net migration (the net movement into and out of the District) of the District's population.

- In the middle scenario, K-12 enrollment increases by an average of 434 students annually during the first three years until 2020-21, and an average of 186 students annually over the remainder of the 15 year forecast horizon, reaching 52,222 in 2032-33.
- Elementary enrollment declines by 574 students during the first five years of the middle scenario forecast, as incoming kindergarten classes remain close to or slightly below recent levels due to the local, state, and national birth downturn.
- Middle school and high school enrollments grow initially under the middle scenario, reflecting larger cohorts attributable to the elementary growth that began in 2007. High school enrollments peak in 2024-25 with about 2,000 more students than in 2017-18
- In the low scenario, K-12 enrollment growth averages 118 students annually, reaching 50,450 in 2032-33.
- Elementary enrollment declines during the first five years of the low scenario forecast, amounting to a loss of about 1,000 K-5th grade students; secondary enrollments increase initially followed by decline beginning in 2021-22 for middle grades and 2025-26 for high school.
- In the high scenario, K-12 enrollment growth averages 389 students annually, reaching 54,514 in 2032-33.
- K-12 growth in the first five years between 2017-18 and 2022-23 exceeds the most recent five years since 2012-13, in spite of a small loss of about 100 students in elementary grades.

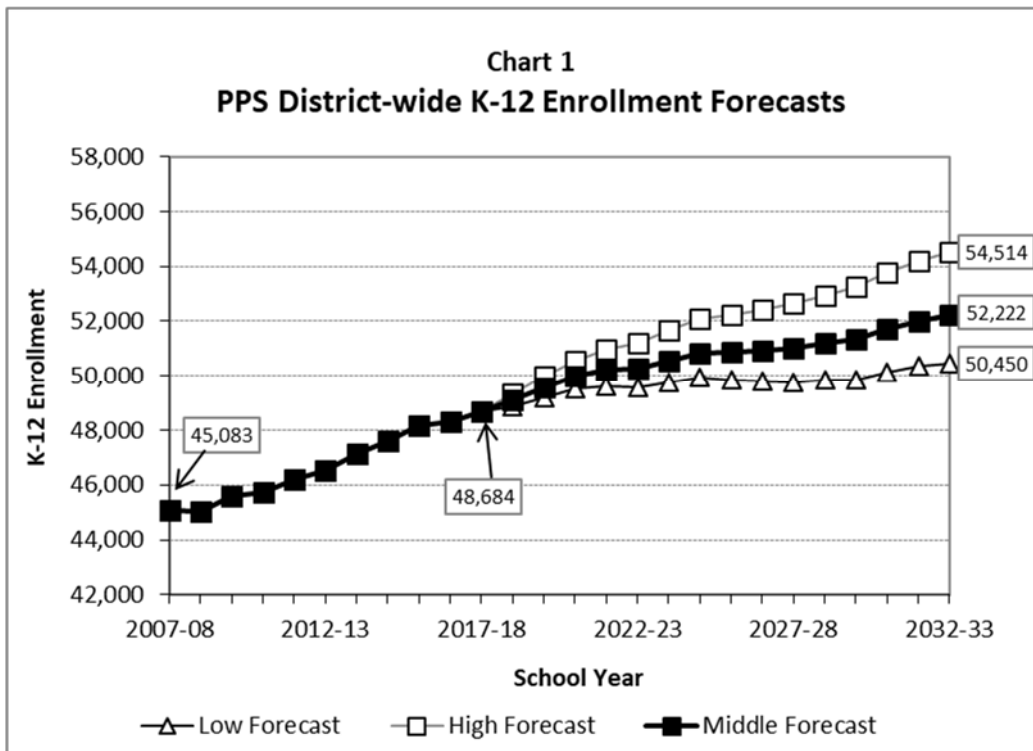
Table 1 contains recent and forecast enrollments by five year intervals. Following the table, Chart 1 depicts annual K-12 enrollment since 2007-08 and forecasts through 2032-33. The same time span is depicted in charts for K-5th grade (Chart 2), 6th-8th grade (Chart 3), and 9th-12th grade (Chart 4).

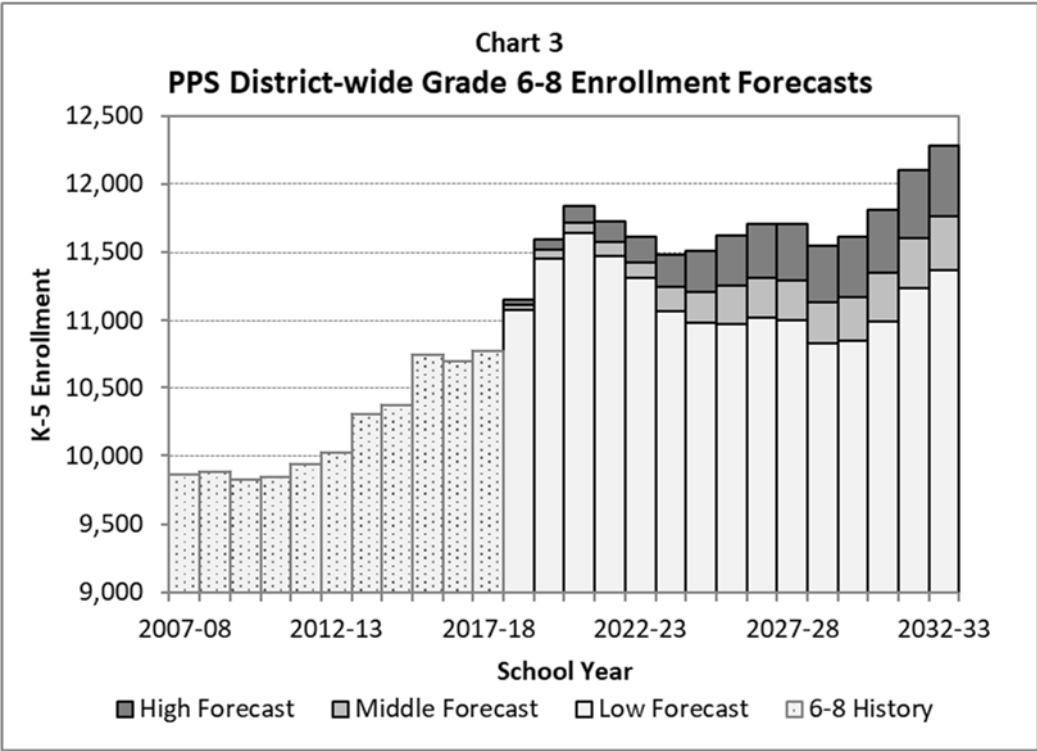
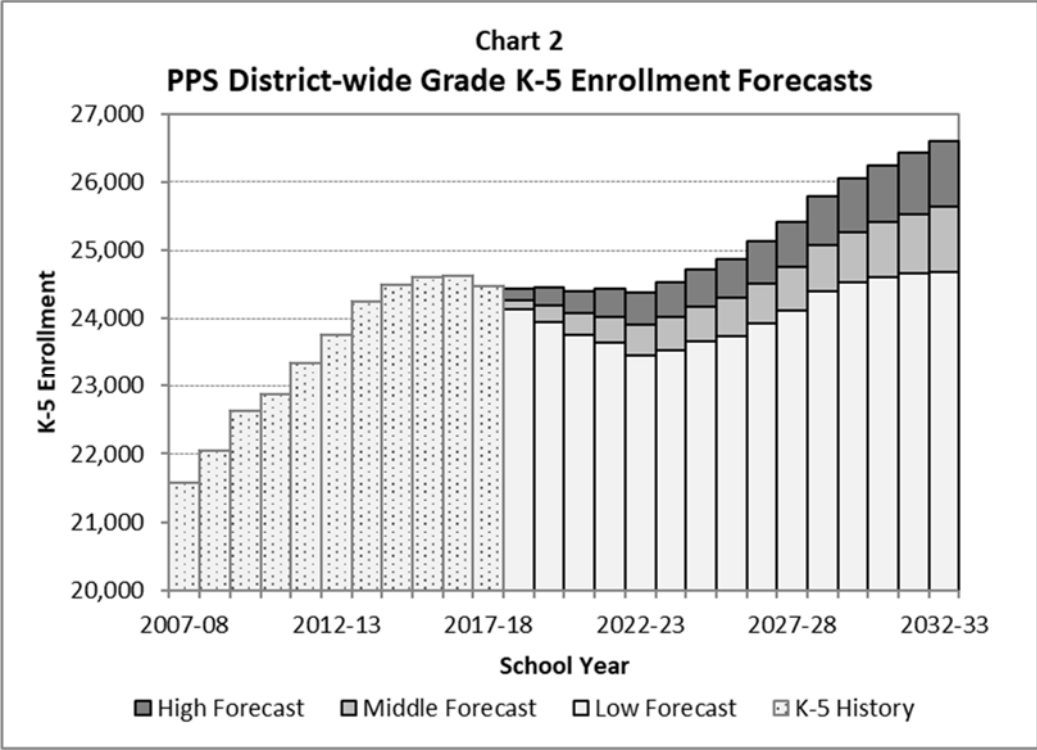
[Appendix A](#) contains annual district-wide enrollment forecasts by individual grade for each of the three scenarios. [Appendix B](#) contains forecasts of residents by high school cluster and school attendance areas, and [Appendix C](#) contains forecasts of students attending individual schools. All of the attendance area and school forecasts in Appendices B and C are consistent with the district-wide middle scenario.

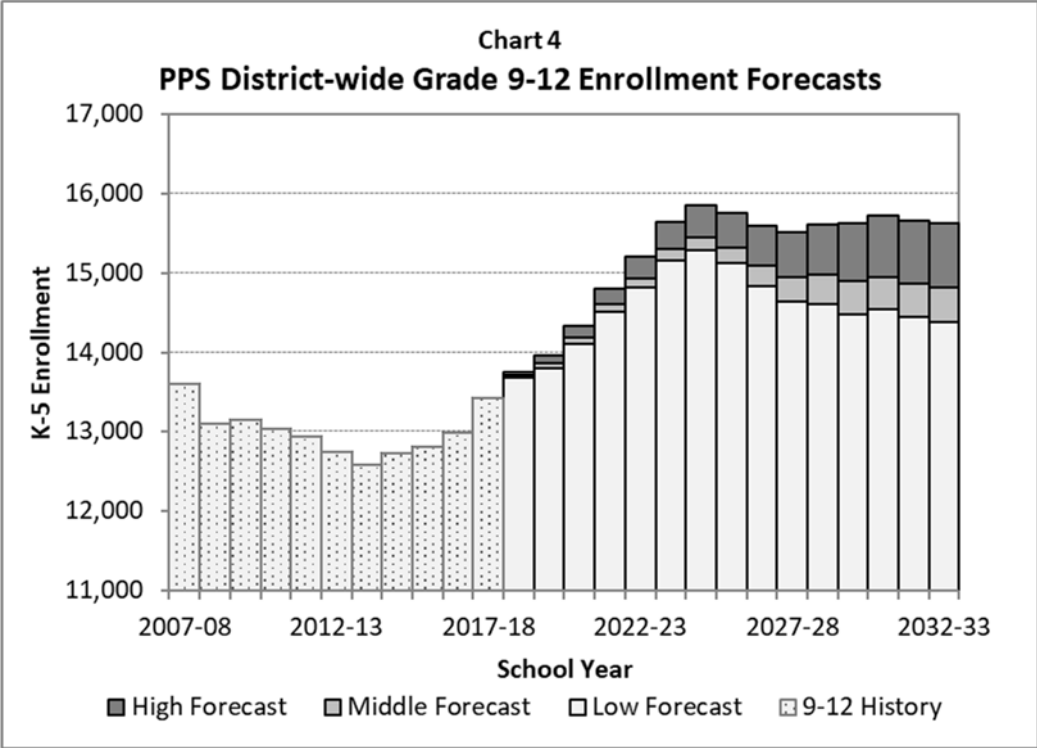
Table 1
PPS District-wide K-12 Enrollment Forecasts

	Historic		Forecast		
	2012-13	2017-18	2022-23	2027-28	2032-33
Middle Series	46,517	48,684	50,273	50,999	52,222
5 year change		2,167	1,589	726	1,223
Low Series	46,517	48,684	49,586	49,755	50,450
5 year change		2,167	902	169	695
High Series	46,517	48,684	51,195	52,634	54,514
5 year change		2,167	2,511	1,439	1,880

Note: Includes K-12; does not include pre-kindergarten.







INTRODUCTION

The Population Research Center (PRC) at Portland State University has prepared enrollment forecasts for Portland Public Schools (PPS) in each of the past 19 years. This new study updates the previous long-range forecasts for the District, its attendance areas, and individual schools. The appendices of this report contain annual forecasts of district-wide enrollment by grade level, PPS students by attendance area of residence, and enrollment at individual schools for the 2018-19 to 2032-33 school years.

Primary data sources used to prepare these forecasts include historic PPS enrollments through 2017-18, U.S. Census Bureau 2000 and 2010 Decennial Censuses and 2012 to 2016 American Community Survey, birth data from the Oregon Center for Health Statistics, and housing development information from the City of Portland and Metro.

The forecast process is geographically top-down, divided into four stages:

- District-wide forecasts by grade level are prepared using a cohort-component model, described in the “Enrollment Forecasts” section of this report. A middle scenario, considered the most likely scenario consistent with long term demographic trends and expected population growth, is prepared first. Migration levels are adjusted to produce alternative high and low scenarios for the District. All three scenarios use the same fertility rates and long run kindergarten and 1st grade capture rates (ratios of PPS enrollment to total residents).
- Second, forecasts of PPS students by grade level residing in each high school cluster (HSCL) are prepared and controlled to the district-wide middle growth forecast.
- Third, forecasts of PPS students by grade level residing within elementary, middle, and high school attendance areas are prepared within each cluster, with attendance area resident forecasts controlled to the HSCL forecasts. This step includes forecasts of residents and non-residents attending each neighborhood school.

- The fourth step is to prepare enrollment forecasts for schools that have no attendance area. The largest of the district-run non-neighborhood schools are forecast individually, while alternative programs, community based programs, special services, and charter schools are grouped into an “other schools and programs” category.

The District serves most of the City of Portland and small portions of the cities of Lake Oswego and Beaverton and unincorporated Multnomah and Washington Counties. According to the 2010 Census, the population for PPS was 460,248. Among the 460,248 PPS residents, there were 451,258 City of Portland residents (representing 77 percent of the City total), 2,413 Lake Oswego residents, 1,453 Beaverton residents, and 5,124 unincorporated area residents.

Following this introduction are sections presenting recent population, housing, and enrollment trends within the District. Next are summaries of the district-wide enrollment forecasts and individual school forecasts, and descriptions of the methodologies used to produce them. The final section contains a brief discussion of the nature and accuracy of forecasts, and appendices contain tables showing A) annual district-wide enrollment forecasts by grade, B) annual enrollment forecasts by area of residence and grade level (K-2, 3-5, 6-8, 9-12), C) annual enrollment forecasts by individual school, D) neighborhood elementary school attendance areas listed by high school cluster, and E) selected population, housing, social, and economic estimates from the Census Bureau’s American Community Survey.

POPULATION AND HOUSING TRENDS

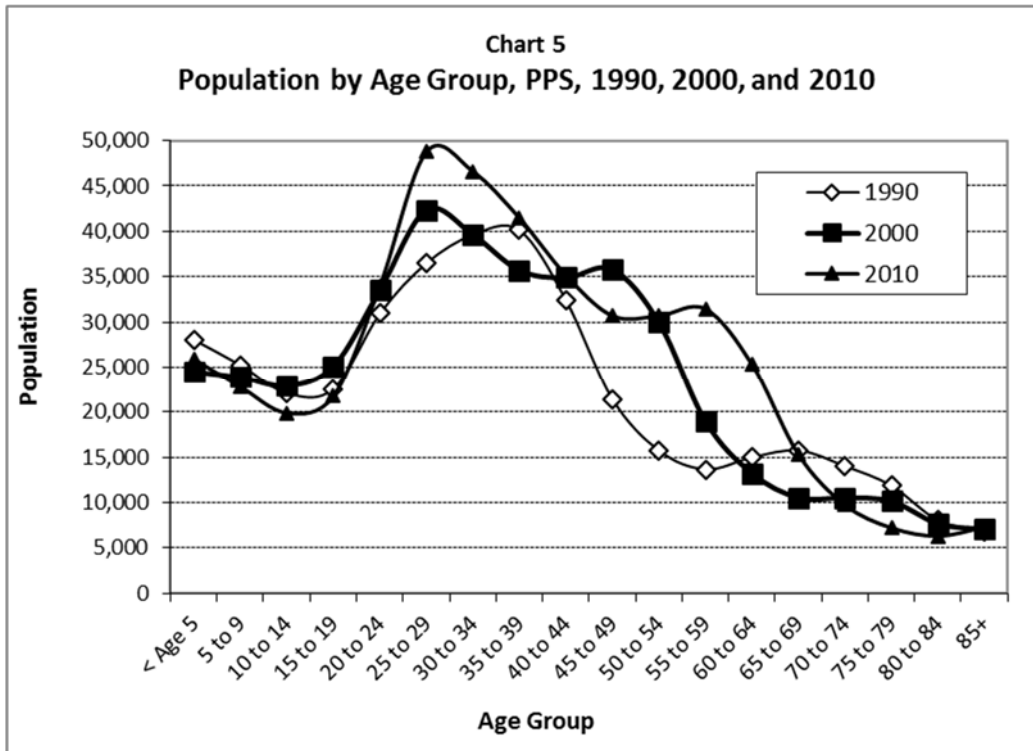
During the decade between 2000 and 2010, population within PPS grew by about 34,000, from 426,110 persons to 460,248. Growth has accelerated in the current decade; it is estimated that the District added more than 40,000 residents between 2010 and 2016¹. While the District's average annual growth rate (AAGR) of 0.8 percent between 2000 and 2010 fell below the metro area's 1.4 percent AAGR, the District's 1.3 percent AAGR between 2010 and 2016 was similar to the metro area rate.

Population by Age Group

Although the District's population grew in both the 1990s and 2000s, population change by age group has varied widely. Losses for ages under five and five to nine between 1990 and 2000 are consistent with the elementary enrollment losses of the late 1990s and early 2000s, while the growth of the under age five population between 2000 and 2010 corresponds to current elementary enrollment growth. The young adult population grew in both decades, with the largest growth between 1990 and 2000 among residents age 25 to 29 and the largest growth between 2000 and 2010 among residents age 30 to 34.

Chart 5 illustrates the growth of the young adult population. In 2000, 25 to 34 year-olds constituted the two largest age groups, with a population of about 82,000 accounting for nearly 18 percent of the District's total population. By 2010 the 95,000 PPS residents age 25 to 34 accounted for nearly 21 percent of the District's total population. The chart also shows the aging of the baby boom generation; the District's largest population in 1990 was age 35 to 39. That same cohort born in the early 1950s shows up in subsequent peaks of age 45 to 49 in 2000 and age 55 to 59 in 2010.

¹ The Census Bureau's Small Area Income and Poverty Estimates include a 2016 population estimate of 500,445 for Portland Public Schools. Retrieved at <https://www.census.gov/programs-surveys/saipe.html>.

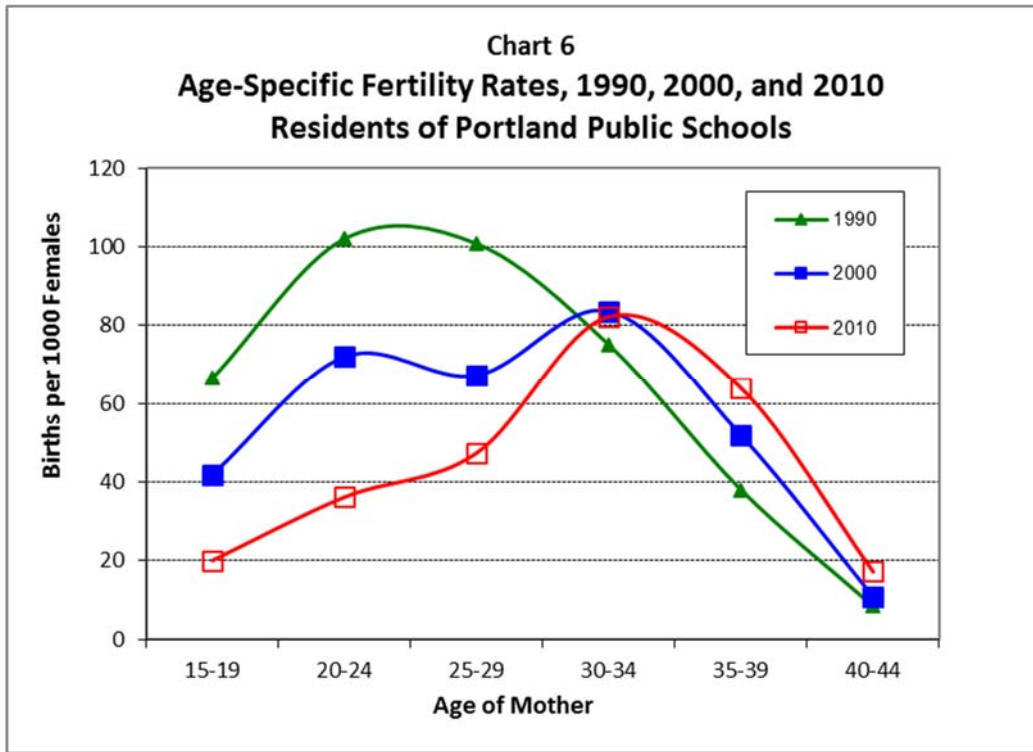


Births

While the District’s young adult population has grown, the average number of births per woman under age 30 has fallen sharply. This trend is illustrated in Chart 6, using age-specific fertility rates (ASFRs) for five year age groups. The rates, comparing calendar year births to PPS residents to population counts from each of the past three censuses, are expressed as the number of births per 1,000 women in each age group. Rates in 2010 for women under age 25 fell to about one-third of their 1990 levels, while rates for women age 25 to 29 fell by about half. The number of births to women under age 25 residing within PPS fell from 1,747 in 2000 to 860 in 2010, and have continued to plunge, reaching a new low of 487 in 2016. In 1990, fertility rates among women age 20 to 29 were significantly higher than rates for all other age groups; in 2010 that distinction went to ages 30 to 39.

The total fertility rate (TFR) 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 was 1.96 in 1990, only slightly lower than the TFR of 2.12 in the remainder of the seven county Portland-Vancouver-Hillsboro Metropolitan Statistical Area (MSA) outside of PPS. The gap between PPS and the MSA grew each decade; 2000 TFRs were 1.64 in

PPS and 2.19 in the MSA remainder, and 2010 TFRs were 1.33 in PPS and 1.91 in the MSA remainder.



The decline in fertility rates among women under 30 was partly offset by increases for women age 30 and older. Overall population increases also helped to prevent the number of PPS births from falling at a level commensurate with the decline in fertility rates. Over 90 percent of births to PPS residents occur to women age 20 to 39, a group whose population increased by 16 percent between the 2000 and 2010 censuses. In spite of the large increase in the number of women in prime childbearing ages, the average number of births each year in the current decade is less than in the 2000s. Annual births over the 17 year period are shown in Chart 7. There were about 10 percent fewer births to PPS residents in 2016 compared with the 2007 and 2008 peak.

Table 2 compares births by HSCL in successive five year periods, covering the most recent 15 years for which detailed data by mother’s place of residence has been compiled. Only the Lincoln and Wilson clusters experienced increases in each successive period.

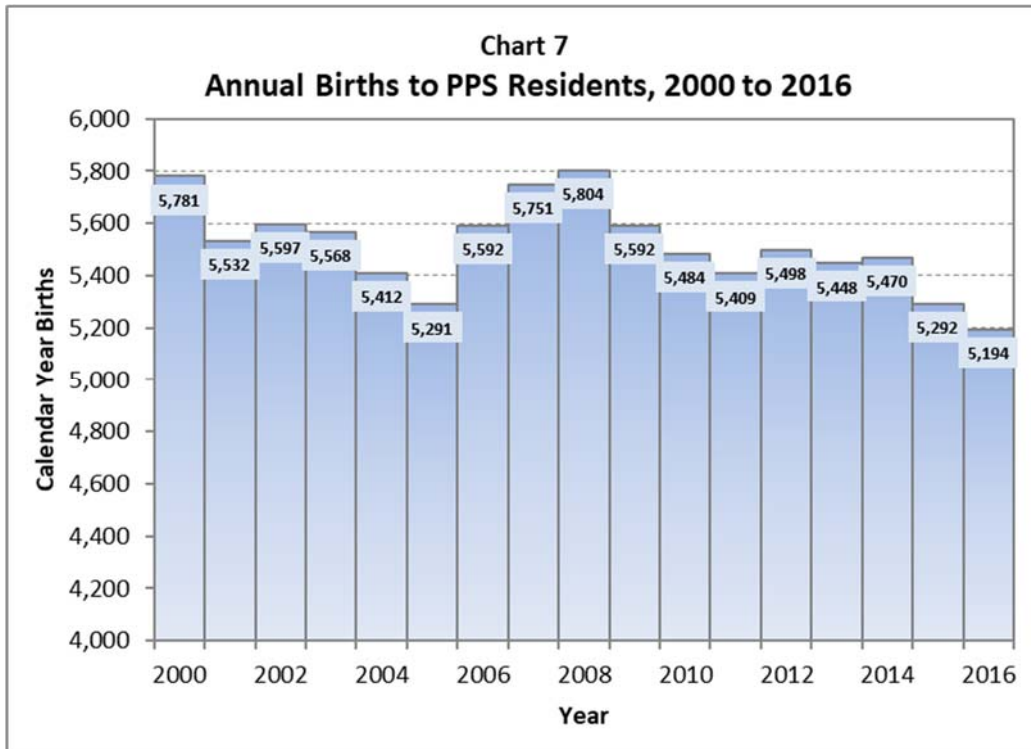


Table 2
Births by High School Cluster

HS Cluster ¹	Five Year Period			2002-06 to 2007-11 change	2007-11 to 2012-16 change
	2002-06	2007-11	2012-16		
Cleveland	4,052	4,183	3,883	3%	-7%
Franklin	4,855	4,894	4,679	1%	-4%
Grant	1,369	1,212	1,003	-11%	-17%
Jeff-Grant ²	2,175	1,914	1,900	-12%	-1%
Jeff-Madison ²	1,289	1,370	1,301	6%	-5%
Jeff-Roosevelt ²	2,285	2,474	2,321	8%	-6%
Lincoln	2,042	2,091	2,253	2%	8%
Madison	3,721	3,795	3,559	2%	-6%
Roosevelt	2,346	2,644	2,380	13%	-10%
Wilson	3,324	3,457	3,617	4%	5%
PPS District Total	27,458	28,034	26,896	2%	-4%

1. High school cluster boundaries in 2018-19.
2. Jefferson Dual Assignment Zones.

Source: Oregon Center for Health Statistics; geocoded birth records aggregated to high school cluster boundaries by Population Research Center, PSU, based on mother's residence.

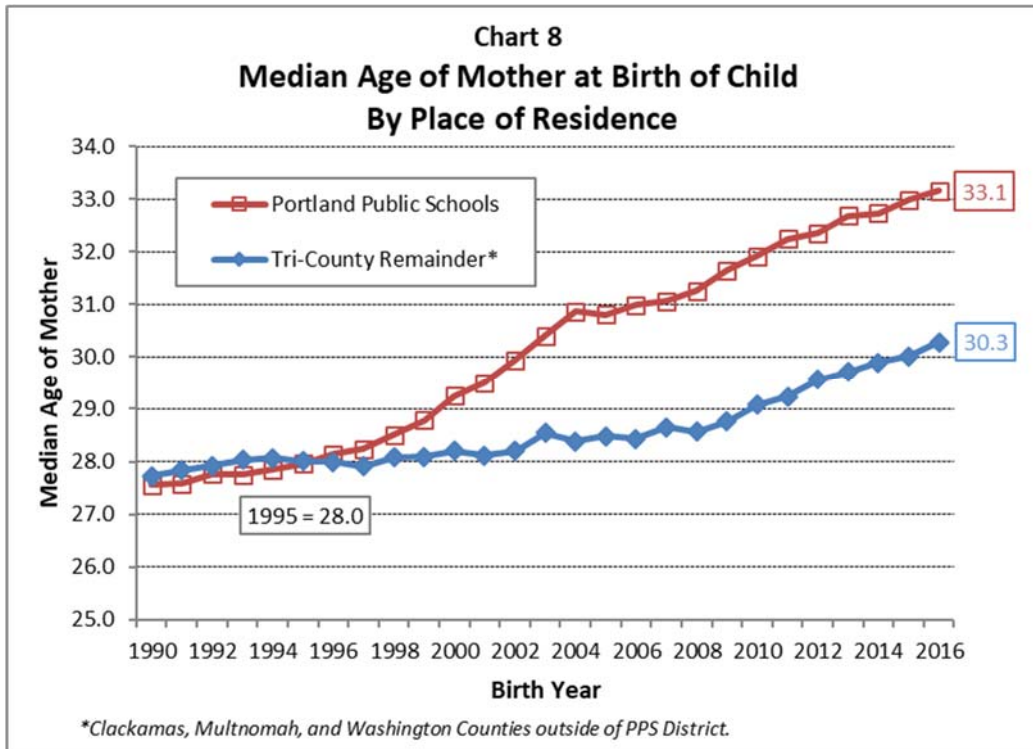
If no one moved into or out of the District, and all kindergarten-age residents attended PPS kindergartens, kindergarten enrollment trends would perfectly reflect cohort birth trends. In fact, the recent peak in kindergarten enrollment, fall 2012, aligned with the District's peak September

to August birth cohort, 2006-07. However, the number of births in 2006-07 was only one percent greater than the number of births six years earlier, while kindergarten enrollment in fall 2012 was 18 percent greater than in fall 2006. In the five years following 2012-13, kindergarten enrollment declined by eight percent, slightly more than the six percent decline in corresponding birth cohorts. In the “Enrollment Forecast” section of this report we explore the relationship between births and subsequent kindergarten enrollments. An important component of that relationship is the mobility of families between the birth of a child and the child’s enrollment in kindergarten at age five.

Large central city school districts typically have a net outflow of young children. For example, some young adults who are renting apartments near the city center when their children are born may move to other parts of the metro area beyond the urban core as their children grow. Since the beginning of this century the balance has shifted to become more favorable to PPS; the net loss of children between birth and age five has become smaller. This trend may be influenced by the age at which mothers give birth. In 1995, the median age of women giving birth was 28.0 both in PPS and in suburban areas.² By 2016, median age for PPS residents giving birth had risen by five years to 33.1, while median age in suburban areas increased only two years, to 30.3 (Chart 8). The living arrangements of residents who have children at an older age are likely to be more established. Therefore these families are less likely to move out. Recent census data indicate that 45 percent of PPS residents in their 20s move within a 12 month period, compared with only 26 percent of PPS residents in their 30s and 14 percent of PPS residents in their 40s.³

² Clackamas, Multnomah, and Washington counties excluding PPS area.

³ U.S. Census Bureau, 2012-2016 American Community Survey 5 year estimates, Table B07001.



Housing Growth

Between 2000 and 2010 about 22,000 housing units were added within PPS. In spite of a slowdown in new construction following the Great Recession, housing growth in the current decade has already surpassed the 2000s. In the six year period between 2012 and 2017, the City of Portland issued building permits for about 28,000 units.

City of Portland residential building permit data for an 18 year period is shown by high school cluster in Table 3. In the most recent three years, 2015, 2016, and 2017, permits were issued for over 2,700 new single family homes and about 15,000 units in multiple family developments within PPS. The multiple family counts include about 300 accessory dwelling units permitted each year in 2016 and 2017. Single family development has occurred throughout the District, though the Cleveland and Franklin clusters have consistently accounted for more than one third of new homes in most recent years. Multiple family development is more concentrated, with well over half of recent development occurring in the Cleveland and Lincoln clusters. Chart 9 depicts the district-wide annual totals.

Table 3
Housing Units Authorized by City of Portland Building Permits
PPS By High School Cluster, 2000 to 2017

Single Family Units by Year Permit Issued

HS Cluster¹	2000 to 2005	2006 to 2011	2012	2013	2014	2015	2016	2017	2012 to 2017
Cleveland	601	497	99	136	162	163	191	165	916
Franklin	637	560	87	143	154	131	154	172	841
Grant	36	44	19	27	29	24	26	26	151
Jeff-Grant ²	176	220	77	52	85	97	118	75	504
Jeff-Madison ²	285	166	42	32	44	50	56	34	258
Jeff-Roosevelt ²	383	286	70	81	73	87	105	96	512
Lincoln	930	205	25	47	37	38	39	35	221
Madison	531	395	40	30	52	93	84	105	404
Roosevelt	622	458	54	77	69	74	56	96	426
Wilson	684	495	40	70	98	113	121	88	530
PPS Total	4,885	3,326	553	695	803	870	950	892	4,763

Multiple Family Units by Year Permit Issued³

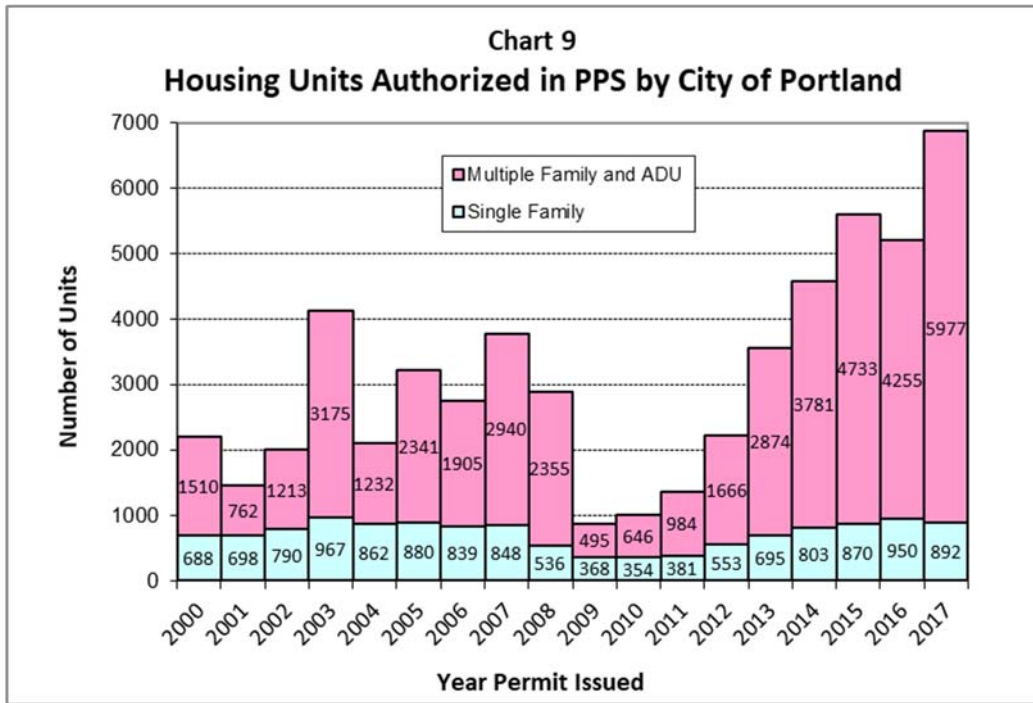
HS Cluster¹	2000 to 2005	2006 to 2011	2012	2013	2014	2015	2016	2017	2012-17 Total
Cleveland	821	565	409	784	1,110	1,144	981	1,834	6,262
Franklin	570	256	84	318	132	284	669	538	2,025
Grant	77	154	48	288	103	8	238	169	854
Jeff-Grant ²	187	767	108	395	327	494	492	648	2,464
Jeff-Madison ²	254	219	13	106	156	61	181	365	882
Jeff-Roosevelt ²	285	310	161	141	184	167	230	363	1,246
Lincoln	5,899	4,182	661	432	1,456	1,721	1,098	1,860	7,228
Madison	662	311	35	7	11	32	35	61	181
Roosevelt	821	505	6	249	36	37	166	109	603
Wilson	657	2,056	141	154	266	785	165	30	1,541
PPS Total	10,233	9,325	1,666	2,874	3,781	4,733	4,255	5,977	23,286

1. Data for all years shown for 2018-19 high school cluster areas.

2. Jefferson Dual Assignment zones.

3. Including accessory dwelling units.

Source: Residential Building Permits layer from Portland Maps Open Data (<http://gis-pdx.opendata.arcgis.com>). Aggregated to PPS attendance areas by Population Research Center, PSU.



Previous studies have demonstrated that the unit types most likely to be home to PPS students include single family homes and affordable multi-bedroom apartments.⁴ Most of the new housing within PPS is in market-rate rental units, including many studio and one bedroom units. In the coming months and years an increasing number of affordable rentals will be completed within PPS due to incentives, public financing, and inclusionary housing requirements. Portland’s City Council adopted the Multiple-Unit Limited Tax Exemption (MULTE) Program in 2012, providing a ten year property tax exemption to developments that included affordable units and met the program requirements. Since February 2017 all new applications for developments with 20 or more units are subject to the City’s Inclusionary Housing Policy specifying affordability thresholds and minimum shares of affordable units.⁵ In November 2016 Portland voters passed a 258.4 million dollar general obligation bond for affordable housing.

⁴ See “Portland Public Schools Enrollment Forecasts 2017-18 to 2031-32,” page 17.

<https://pdxscholar.library.pdx.edu/enrollmentforecasts/118/>.

⁵ See Program-Specific Administrative Rules at <https://www.portlandoregon.gov/citycode/73403>.

The Portland Housing Bureau (PHB) web site includes documents and interactive maps detailing PHB-financed rental housing projects and inclusionary housing developments in the pipeline.⁶ Enrollment impacts from affordable developments in the pipeline with 10 or more units larger than one bedroom are specifically factored into the school forecasts. These developments known to PRC as of June 2018 including over 600 family-size units of two or more bedrooms are listed in Table 4 by elementary attendance area.

⁶ PHB-financed rental housing projects in pre-development or construction phases at <https://www.portlandoregon.gov/phb/74263>; Inclusionary Housing Pipeline at <https://www.portlandoregon.gov/PHB/76089>

Table 4
Affordable Multi-Family Homes under Development within PPS, June 2018¹

Elementary Area	Name	Total Units ²	Affordable Units with 2+ BRs		June 2018 status	Expected Completion
			2 BR	3 BR ³		
Ainsworth	Riverplace Parcel 3 - Phase 1	203	47	5	Under construction	July 2019
Arleta	72Foster	101	12	9	Under construction	Feb 2019
Beach	5020 Condos	50	22	19	Planned	Summer 2020
Boise-Eliot-Humboldt	North Williams Center	61	34	18	Planned	May 2020
Boise-Eliot-Humboldt	The Beatrice Morrow	80	32	12	Under construction	August 2018
Boise-Eliot-Humboldt	Miscellaneous ³	288	14	0	Under construction	2018
Bridger	The Jade	48	11	3	Under construction	Feb 2019
Buckman	Block 45	240	43	0	Under construction	October 2019
Chapman	Vibrant!	93	32	32	Under construction	Early 2019
Chapman	Miscellaneous ³	1267	36	1	U.C. & Planned	2017-2019
Chief Joseph	Charlotte Rutherford Place	51	17	0	Nearing completion	Sept 2018
Grout	3000 SE Powell Blvd	200	TBD	TBD	Planned	TBD
Kelly	Oliver Station	145	78	0	Nearing completion	July 2018
Lent	Woody Guthrie Place	64	15	9	Under construction	June 2019
Peninsula	North Argyle	198	47	9	Planned	2020
Rigler	Holman 42	59	9	7	Permitted	Nov 2019
Woodlawn	King Parks	70	38	12	Planned	2020

1. Includes buildings with 10 or more income-restricted large units under construction or with design and financing nearly complete.

2. All housing units in the specified development(s), whether affordable or market-rate, regardless of size.

3. Individual developments in attendance areas with a significant cluster of large affordable units are included even if they do not meet the 10 unit threshold for this table.

Source: Public documents, news items, and developer interviews gathered by Population Research Center, PSU.

ENROLLMENT TRENDS

In fall 2017, Portland Public Schools (PPS) enrolled 48,684 students in grades K-12, an increase of 375 students from fall 2016. This is the ninth consecutive year of enrollment growth, following 12 consecutive years of enrollment losses that occurred between 1996-97 and 2008-09. For the nine year period since 2008-09, PPS K-12 enrollment has grown by 3,660 students (eight percent).

After 10 consecutive years of annual elementary (K-5th) enrollment growth between fall 2006 and fall 2016, the district-wide K-5th grade total declined by 148 students (0.6 percent) in fall 2017. The drop in K-5 enrollment is due to successively smaller incoming kindergarten classes in each of the five years since their 2012-13 peak. Fall 2017 kindergarten enrollment was the smallest since 2007-08, and was 329 students lower than in 2012-13. Overall, elementary grades have added 2,908 students (13 percent) since 2007-08.

Enrollment in middle grades (6th-8th) reached a new peak in fall 2017. The enrollment of 10,780 in grades 6-8 was 84 students (0.8 percent) greater than enrollment in fall 2016, and was the largest in 14 years. Overall, middle grades have added 914 students (nine percent) since 2007-08, with nearly all of that growth occurring since 2011-12.

Momentum from the years of growth in earlier grades has now reached high school grades (9th-12th). Enrollment in grades 9-12 fell to a low of 12,584 in fall 2013, but grew in each of the four following years, adding 577 students between fall 2013 and fall 2017. Most of that growth occurred between fall 2016 and fall 2017, when grades 9-12 added 439 students (3.4 percent), reaching a total of 13,423, the largest in 10 years.

On the next page, Table 5 summarizes the K-12 enrollment history for the District by grade level annually from 2007-08 to 2017-18.⁷

⁷ The “total” row in Table 5 differs from the district-wide totals published by PPS because Table 6 shows K-12 figures only; it does not include pre-kindergarten enrollment.

Table 5
Portland Public Schools, Historic K-12 Enrollment, 2007-08 to 2017-18

Grade	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
K	3,803	3,951	4,073	3,995	4,064	4,277	4,244	4,127	4,097	4,073	3,948
1	3,760	3,825	4,007	4,091	4,037	4,146	4,369	4,302	4,266	4,141	4,106
2	3,629	3,739	3,782	3,894	4,029	3,937	4,082	4,287	4,256	4,211	4,070
3	3,545	3,598	3,730	3,727	3,898	3,918	3,864	4,041	4,233	4,160	4,133
4	3,460	3,528	3,542	3,682	3,721	3,813	3,906	3,864	3,983	4,128	4,137
5	3,376	3,412	3,496	3,479	3,597	3,660	3,775	3,865	3,772	3,916	4,087
6	3,354	3,250	3,318	3,354	3,396	3,467	3,547	3,594	3,722	3,568	3,704
7	3,369	3,295	3,254	3,299	3,310	3,336	3,407	3,428	3,601	3,605	3,523
8	3,143	3,335	3,253	3,192	3,230	3,217	3,349	3,349	3,424	3,523	3,553
9	3,356	3,147	3,349	3,176	3,082	3,065	3,057	3,137	3,259	3,240	3,344
10	3,323	3,316	3,121	3,339	3,256	3,111	3,055	3,090	3,131	3,203	3,228
11	3,341	3,244	3,165	3,026	3,181	3,090	2,990	2,946	2,981	3,102	3,220
12	3,571	3,384	3,502	3,487	3,405	3,480	3,482	3,549	3,427	3,439	3,631
UN*	53	0	0	0	0	0	0	0	0	0	0
Total	45,083	45,024	45,592	45,741	46,206	46,517	47,127	47,579	48,152	48,309	48,684
<i>Annual change</i>		-59 -0.1%	568 1.3%	149 0.3%	465 1.0%	311 0.7%	610 1.3%	452 1.0%	573 1.2%	157 0.3%	375 0.8%
K-5	21,573	22,053	22,630	22,868	23,346	23,751	24,240	24,486	24,607	24,629	24,481
6-8	9,866	9,880	9,825	9,845	9,936	10,020	10,303	10,371	10,747	10,696	10,780
9-12	13,591	13,091	13,137	13,028	12,924	12,746	12,584	12,722	12,798	12,984	13,423

	5 Year Change: 2007-08 to 2012-13		5 Year Change: 2012-13 to 2017-18		10 Year Change: 2007-08 to 2017-18	
	Change	Pct.	Change	Pct.	Change	Pct.
K-5	2,178	10%	730	3%	2,908	13%
6-8	154	2%	760	8%	914	9%
9-12	-845	-6%	677	5%	-168	-1%
Total	1,434	3%	2,167	5%	3,601	8%

*UN were ungraded, unassigned, or unclassified students, e.g., special education students who attended special education classes in separate classrooms.

Source: Portland Public Schools Enrollment Summaries.

District Capture Rate

The capture rate is the ratio of enrollment in District schools to the school age population living within the District boundary. School age residents who do not attend PPS schools include those who attend private schools, transfer to other districts, are home schooled, five or six year olds who have not yet entered school, and teenagers who have graduated or dropped out. Conversely, PPS enrollment includes some students who are not included in the district’s school age population, specifically transfer students from other districts and students over age 18.

The most accurate count of school age population comes from the decennial census; baseline capture rates for the enrollment forecast are calculated by comparing the census conducted on April 1 with PPS enrollment of students residing within the District.⁸ School years 1999-2000 and 2009-2010 are used because they include the April 1 census date. Rates based on the 2000

Table 6
Estimated PPS Capture Rates, Resident Enrollment¹
1999-2000 and 2009-2010

	K-2	3-5	6-8	9-12	K-12
2000 Population ²	14,186	14,589	13,452	18,806	61,033
2010 Population ³	13,820	12,641	11,793	16,161	54,414
1999-2000 Enrollment ⁴	11,987	12,391	11,502	15,397	51,277
<i>Capture Rate, 1999-2000⁵</i>	<i>84.5%</i>	<i>84.9%</i>	<i>85.5%</i>	<i>81.9%</i>	84.0%
2009-2010 Enrollment	11,576	10,472	9,601	12,738	44,387
<i>Capture Rate, 2009-2010⁶</i>	<i>83.8%</i>	<i>82.8%</i>	<i>81.4%</i>	<i>78.8%</i>	81.6%

1. The ratio of enrolled District residents to total District population by grade level. Enrollments exclude about 1,000 students in 1999-2000 and 1,200 students in 2009-10 residing outside of the district.
2. April 1, 2000 census counts grouped by grade level cohorts. For example, K-2 is an estimate of the number of children who would have been age 5 to 7 on 9/1/99.
3. April 1, 2010 census counts grouped by grade level cohorts. For example, K-2 is an estimate of the number of children who would have been age 5 to 7 on 9/1/09.
4. Excludes students enrolled in programs that were transferred to MESD in 2003; ungraded students assigned to grade levels.
5. The ratio of 1999-2000 resident enrollment to 2000 (census) population.
6. The ratio of 2009-2010 resident enrollment to 2010 (census) population.

⁸ A similar table was included in the 2011 report, but it compared TOTAL enrollment (PPS residents AND students residing outside of the district) with census population. Therefore capture rates were reported as higher than those shown in Table 7 of this report.

and 2010 censuses presented in Table 6 show that PPS capture rates declined for each grade level group, particularly at the secondary level. Declining capture rates exacerbated the decade’s enrollment loss that was primarily caused by an 11 percent decline in school-age population. We infer from this analysis that 81 percent of the District’s loss of 6,890 resident students between 1999-2000 and 2009-2010 was attributable to population change, while the remaining 19 percent was attributable to capture rate change.

The Census Bureau’s American Community Survey (ACS) includes questions about school enrollment by level and by type (public or private). The most recent estimate, from survey responses collected between 2012 and 2016, is that 16.4% (+/- 1.2%) of PPS residents enrolled in grades K-12 were enrolled in private schools. Compared with six years earlier, 2006 to 2010, the number of K-8 students increased in both public and private schools; the change in private share among K-8 students was not statistically significant. At the high school level the number and share of students increased in private schools and decreased in public schools. ACS estimates of private school share for PPS are shown in Table 7.

Table 7
School Enrollment by Type of School
Residents of Portland Public School District
2006-2010 & 2012-2016

	2006-10		2012-16	
	estimate	MOE*	estimate	MOE*
Enrolled in K-12 th grade	53,880	+/-1,393	55,725	+/-1,236
Public Schools	45,853	+/-1,344	46,607	+/-1,178
Private Schools	8,027	+/-565	9,118	+/-705
<i>Private Share</i>	14.9%	+/- 1.1%	16.4%	+/- 1.2%
Enrolled in K-8 th grade	37,107	+/-1,152	40,078	+/-1,286
Public Schools	31,327	+/-1,091	33,759	+/-1,207
Private Schools	5,780	+/-475	6,319	+/-494
<i>Private Share</i>	15.6%	+/- 1.4%	15.8%	+/- 1.3%
Enrolled in 9 th -12 th grade	16,773	+/-784	15,647	+/-651
Public Schools	14,526	+/-784	12,848	+/-575
Private Schools	2,247	+/-305	2,799	+/-341
<i>Private Share</i>	13.4%	+/- 1.9%	17.9%	+/- 1.9%

**Margin of sampling error at the 90 percent confidence level.*

Source: American Community Survey 5 year estimates, Tables B14002 and S1401. Data aggregated and MOEs recomputed by Portland State University Population Research Center.

Enrollment Trends by Place of Residence

The overall population of students residing in an attendance area and enrolled in any PPS school is typically more stable than the enrollment at the neighborhood school serving the attendance area. Enrollment at individual schools may change due to program or boundary changes, school openings or closures, school choice, the number of transfer slots, or other changes not related to underlying demographic trends. When student points are matched by address in a geographic information system, the number of PPS students (including charter schools) by grade level can be tabulated for any geographic area. Creating time series of resident PPS students by grade level by current attendance areas facilitates historic enrollment analysis even if school boundaries have changed, allowing us to identify shifts in the share of area students who enroll in their neighborhood school, or attend other schools or programs.

High school clusters (HSCLs) are composed of the elementary school attendance areas (ESAAs) in the high schools' feeder patterns. Each of the three Jefferson dual assignment zones are treated as individual clusters in this report. Several HSCLs are equivalent to high school attendance areas (HSAAs). However, two elementary areas are split between HSAAs. Faubon is split between the Jefferson-Madison and Jefferson-Roosevelt HSAAs but is included in the Jefferson-Madison HSCL. Beginning in 2018-19, the Bridlemile ESAA will be split between the Lincoln and Wilson HSAAs. However, HSCL tables in this report include the entire Bridlemile ESAA in the Wilson cluster. A list of ESAAs by HSCL is provided in [Appendix D](#) of this report.

District-wide K-12 enrollment increased by five percent between 2012-13 and 2017-18, with wide variation in growth rates among HSCLs and among school levels (K-5, 6-8, 9-12). Table 8 reports the total number of residents of each high school cluster enrolled in PPS schools, regardless of which PPS school they attend. The downturn in elementary enrollment did not occur district-wide until 2017-18. However, the Franklin, Jefferson-Roosevelt, Madison, and Roosevelt HSCLs were all home to fewer PPS K-5th grade students in 2017-18 than in 2012-13. The Cleveland, Grant, Lincoln, and Wilson HSCLs gained PPS residents at every school level during the period, while only the Madison and Roosevelt HSCLs lost students at every level.

Table 8
Portland Public Schools Historic Enrollment
By Grade Level and High School Cluster of Residence

HS Cluster (2018-19) ¹	Grades	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	5 year change	
								Number	Percent
Cleveland	K-5	3,594	3,625	3,593	3,619	3,664	3,638	44	1%
	6-8	1,403	1,501	1,554	1,626	1,628	1,646	243	17%
	9-12	1,794	1,713	1,782	1,834	1,867	1,898	104	6%
	Total	6,791	6,839	6,929	7,079	7,159	7,182	391	6%
Franklin	K-5	4,068	4,150	4,102	4,072	4,015	4,023	-45	-1%
	6-8	1,728	1,772	1,709	1,799	1,814	1,825	97	6%
	9-12	1,987	1,988	2,060	2,052	2,115	2,194	207	10%
	Total	7,783	7,910	7,871	7,923	7,944	8,042	259	3%
Grant	K-5	1,516	1,590	1,638	1,640	1,626	1,644	128	8%
	6-8	680	702	702	736	776	789	109	16%
	9-12	750	732	745	759	780	807	57	8%
	Total	2,946	3,024	3,085	3,135	3,182	3,240	294	10%
Jefferson/ Grant	K-5	1,583	1,608	1,639	1,718	1,636	1,608	25	2%
	6-8	649	654	650	673	683	687	38	6%
	9-12	931	881	910	855	839	864	-67	-7%
	Total	3,163	3,143	3,199	3,246	3,158	3,159	-4	0%
Jefferson/ Madison	K-5	877	907	946	959	950	1,047	170	19%
	6-8	350	357	348	329	370	389	39	11%
	9-12	442	432	437	425	413	412	-30	-7%
	Total	1,669	1,696	1,731	1,713	1,733	1,848	179	11%
Jefferson/ Roosevelt	K-5	1,742	1,718	1,754	1,694	1,673	1,664	-78	-4%
	6-8	656	637	626	646	668	667	11	2%
	9-12	842	787	748	724	700	750	-92	-11%
	Total	3,240	3,142	3,128	3,064	3,041	3,081	-159	-5%
Lincoln	K-5	1,673	1,725	1,804	1,769	1,763	1,741	68	4%
	6-8	712	770	841	875	866	880	168	24%
	9-12	1,172	1,193	1,227	1,339	1,329	1,398	226	19%
	Total	3,557	3,688	3,872	3,983	3,958	4,019	462	13%
Madison	K-5	3,160	3,183	3,178	3,129	3,123	3,054	-106	-3%
	6-8	1,364	1,402	1,411	1,428	1,353	1,304	-60	-4%
	9-12	1,704	1,633	1,618	1,609	1,559	1,645	-59	-3%
	Total	6,228	6,218	6,207	6,166	6,035	6,003	-225	-4%
Roosevelt	K-5	2,203	2,326	2,270	2,277	2,179	2,043	-160	-7%
	6-8	941	905	873	885	896	920	-21	-2%
	9-12	1,134	1,150	1,103	1,098	1,080	1,075	-59	-5%
	Total	4,278	4,381	4,246	4,260	4,155	4,038	-240	-6%

continued on next page

Table 8 (continued)
Portland Public Schools Historic Enrollment
By Grade Level and High School Cluster of Residence

HS Cluster (2018-19) ¹	Grades	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	5 year change	
								Number	Percent
Wilson	K-5	2,846	2,874	3,002	3,106	3,322	3,350	504	18%
	6-8	1,334	1,402	1,437	1,528	1,434	1,453	119	9%
	9-12	1,690	1,688	1,715	1,761	1,880	1,938	248	15%
	Total	5,870	5,964	6,154	6,395	6,636	6,741	871	15%
Out of District	K-5	489	534	560	624	678	669	180	37%
	6-8	203	201	220	222	208	220	17	8%
	9-12	300	387	377	342	422	442	142	47%
	Total	992	1,122	1,157	1,188	1,308	1,331	339	34%
PPS District	K-5	23,751	24,240	24,486	24,607	24,629	24,481	730	3%
	6-8	10,020	10,303	10,371	10,747	10,696	10,780	760	8%
Totals	9-12	12,746	12,584	12,722	12,798	12,984	13,423	677	5%
	Total	46,517	47,127	47,579	48,152	48,309	48,684	2,167	5%

1. Historical data reflects 2018-19 clusters. Clusters are composed of whole elementary areas and may differ from high school attendance areas reported in Table B6. Appendix D contains a list of elementary school areas by cluster.

2. Jefferson Dual Assignment zones.

ENROLLMENT FORECASTS

Forecast Process

The forecast process is geographically top-down, divided into four stages:

- District-wide forecasts by grade level are prepared using a cohort-component model, described in more detail below. A middle scenario, considered the most likely scenario consistent with long term demographic trends and expected population growth, is prepared first. Migration levels are adjusted to produce alternative high and low scenarios for the District. All three scenarios use the same fertility rates and long run capture rates.
- Second, forecasts of PPS students by grade level residing in each high school cluster (HSCL) are prepared and controlled to the district-wide middle growth forecast.
- Third, forecasts of PPS students by grade level residing within elementary, middle, and high school attendance areas are prepared within each cluster, with attendance area resident forecasts controlled to the HSCL forecasts. This step includes forecasts of residents and non-residents attending each neighborhood school.
- The fourth step is to prepare enrollment forecasts for schools that have no attendance area. The largest of the district-run non-neighborhood schools are forecast individually, and alternative programs, community based programs, special services, and charter schools are grouped into an “other schools and programs” category.

District-wide Population and Enrollment Forecasts: Methodology

The district-wide forecasts are the sum of two parts: resident forecasts consistent with population forecasts by age group, and non-resident forecasts based on recent trends in the number of PPS students living outside of the District’s boundaries.

Cohort-Component Model for District Residents

To ensure that enrollment forecasts are consistent with the dynamics of likely population growth within the District, a grade progression enrollment model is combined 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. An area's population grows when births outnumber deaths and when more people move into an area than out of it. These events occur at different rates for persons of different age groups, or **cohorts**. For example, people tend to relocate the most when they are in their 20s and the elderly have a lower chance than people in their 40s to survive over a ten year period. 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 2040 period.

We estimated the number of births to women residing within the District each year from 1999 to 2016, using data from the Oregon Department of Human Services, Center for Health Statistics. Detailed information including the age of mothers is incorporated in the establishment of fertility rates by age group for both 2000 and 2010. Steep declines in rates among women under 30 have continued since 2010, influencing the assumption that TFRs will decrease from 1.34 in 2010 to 1.17 in 2020. Fertility rates are held constant after 2020.

Historic school enrollment is linked to the population forecast in two ways. First, the kindergarten and first grade enrollments at the time of the most recent census (the 2009-2010 school year) are compared to the population at the appropriate ages counted in the census. The “capture rate,” or ratio of enrollment to population, is an estimate of the share of area children who are enrolled in District schools. Assumptions for capture rates based on census data are used to bring new

kindergarten and first grade students into the District's enrollment. If there is evidence that capture rates have changed since the time of the census, they may be adjusted in the forecast. After some initial fluctuation, capture rates for District residents of 0.842 for kindergarten and 0.856 for first grade are established in the long range forecast.

The other way that historic population and enrollment are linked is through migration. Annual changes in school enrollment by cohort closely follow trends in the net migration of children in the District's population. Once the students are in first grade, a set of baseline grade progression rates (GPRs) are used to move students from one grade to the next. The GPR is the ratio of enrollment in a specific grade in one year to the enrollment of the same age cohort in the previous year; for example, the number of students enrolled in second grade this year divided by the number of students enrolled in first grade last year. These rates, usually 1.00 for elementary grades, represent a scenario under which there is no change due to migration. Enrollment change beyond the baseline is added (or subtracted, if appropriate) at each grade level depending on the migration levels of the overall population by single years of age.

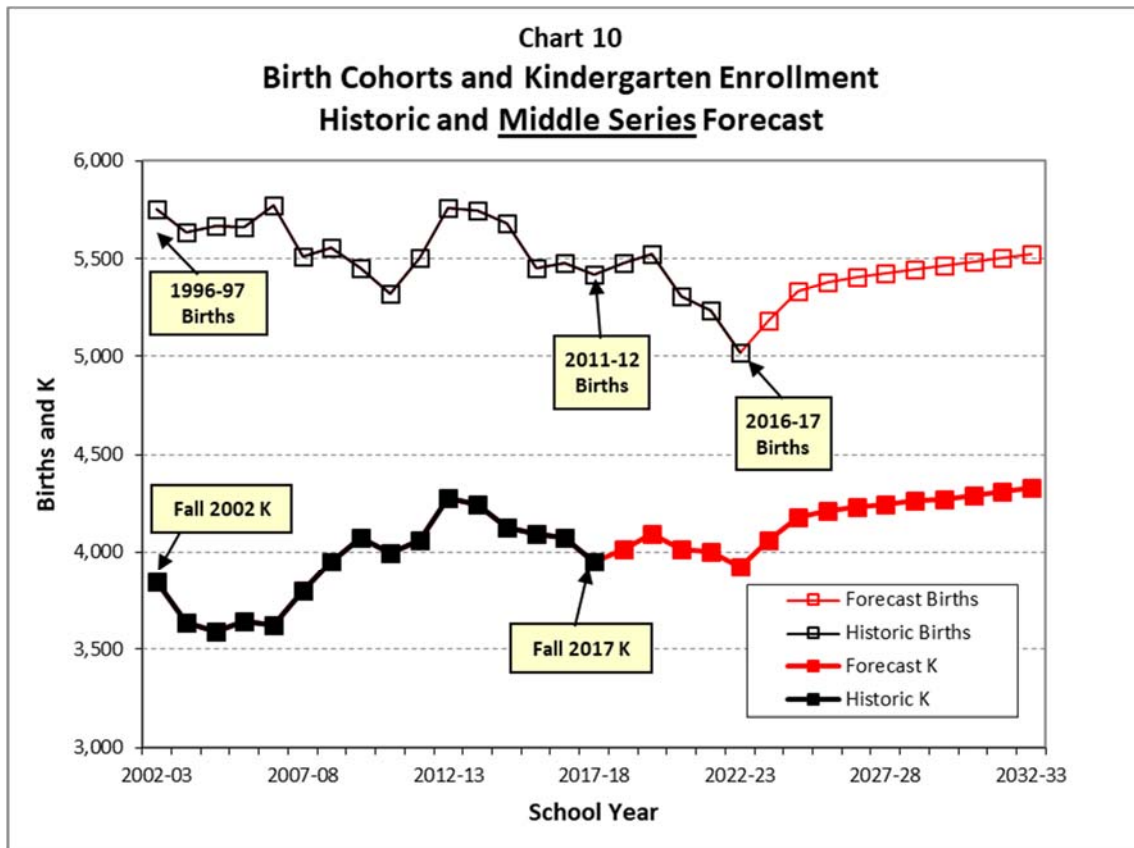
Grade Progression Model for PPS Students Residing Outside of the District.

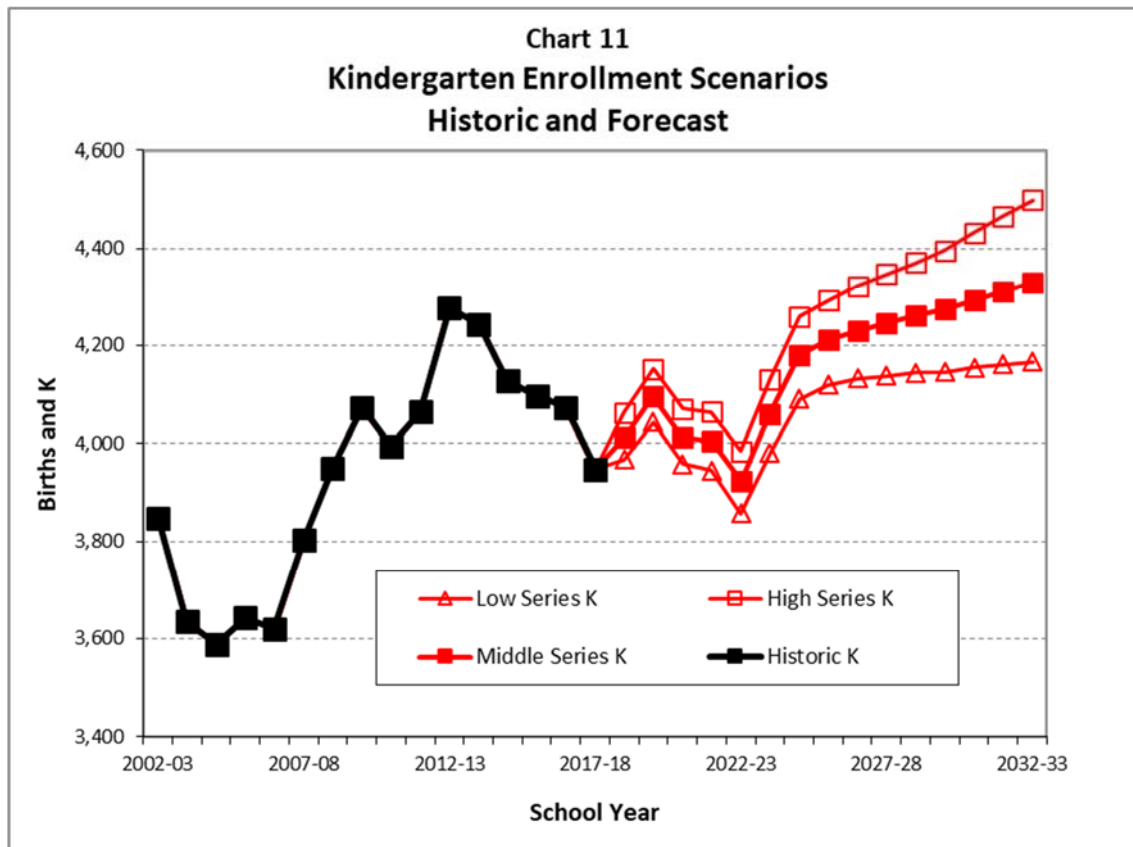
To derive the total district-wide enrollment, it is necessary to include non-residents, who comprise just over two percent of the District total. They are not linked to District population in the way that residents are, so an additional component of the district-wide forecast is a grade progression model for out-of-district residents.

The number of out-of-district PPS kindergarten students is held constant at the 2017-18 level. For each grade from 1 to 12, the model incorporates recent GPRs for PPS students residing out of the district by grade level. In order to determine the GPRs for the future, weighted averages of the ratios for each grade level from the past four years were calculated. A heavier weight is applied to the years that are assumed to have more bearing on future enrollments, allowing the trends of those to dominate over the other years.

District-wide Population and Enrollment Forecasts: Results

Chart 10 compares the historic and forecast number of births to District residents with the historic and middle series forecast number of PPS kindergarten students. Births are compiled by kindergarten cohorts (September to August). Although many children move into and out of the District between birth and age five, and not all District residents attend PPS kindergartens, the trend in kindergarten enrollment has often followed the trend in the birth cohort. For example, the peak kindergarten class of 2012-13 aligned with the birth peak in 2006-07. In the nine years since 2009-10 the ratio of kindergarten to corresponding births has remained within the range of 0.73 to 0.75. This is consistent with the district’s capture rate, assumed to be about 84 percent for kindergarten, and a net loss of children due to net migration between birth and age five. The enrollment models do not explicitly use the kindergarten to birth ratio; capture rates and net migration drive the kindergarten forecasts. However, ratios derived from the kindergarten forecasts and observed and predicted births increase to 0.78 in the middle series forecast due to expected population growth and a smaller net outflow of young children. Chart 11 depicts kindergarten enrollment under all three forecast scenarios.

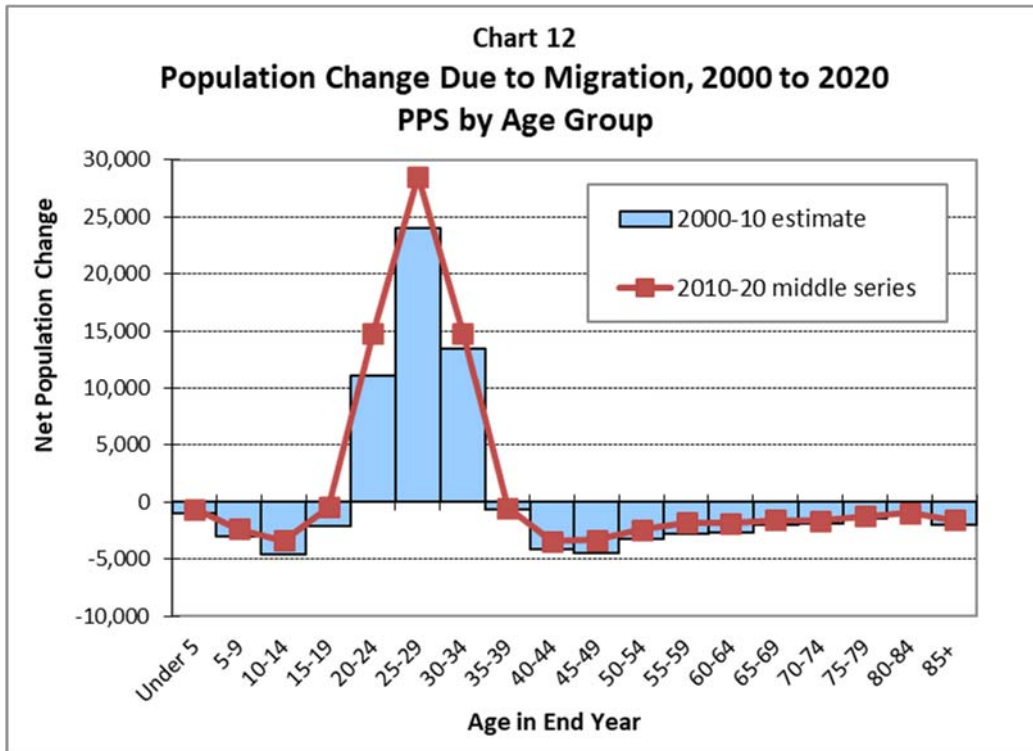




The differences between the three scenarios are the result of different assumptions about the levels of net migration (the net movement into and out of the District). Assumptions about mortality, fertility, and capture rates during the 15 year forecast horizon do not vary between the three scenarios. Fertility rates remain slightly lower than levels observed in 2010. Because the models use actual births through 2016 and preliminary birth estimates for 2017, unforeseen shifts in fertility could impact enrollments beginning with the 2023-24 kindergarten class. Small changes in capture rates occur based on the cumulative impact of individual families choosing whether to enroll in District schools or alternatives including private schools. However, neither fertility nor capture rate changes are likely to affect enrollment to the extent that changes in migration could.

While the overall level of net migration drives growth in total population, assumptions about the age distribution of future migrants are critical drivers of school-age population. The columns in Chart 12 show net migration by age group between 2000 and 2010, with large inflows among cohorts who were age 20 to 34 at the end of the decade, and small outflows among every other cohort. This pattern was similar to the 1990s, when the only cohorts with positive net migration were those age 20 to 34 in 2000.

The middle scenario includes future net migration levels even greater than in the 2000 to 2010 decade. The age distribution of net migration in the 2010s in the middle series forecast, depicted by the line in Chart 12, remains similar to the 1990s and 2000s, but assumes larger net inflows of young adults and smaller net outflows at other age groups



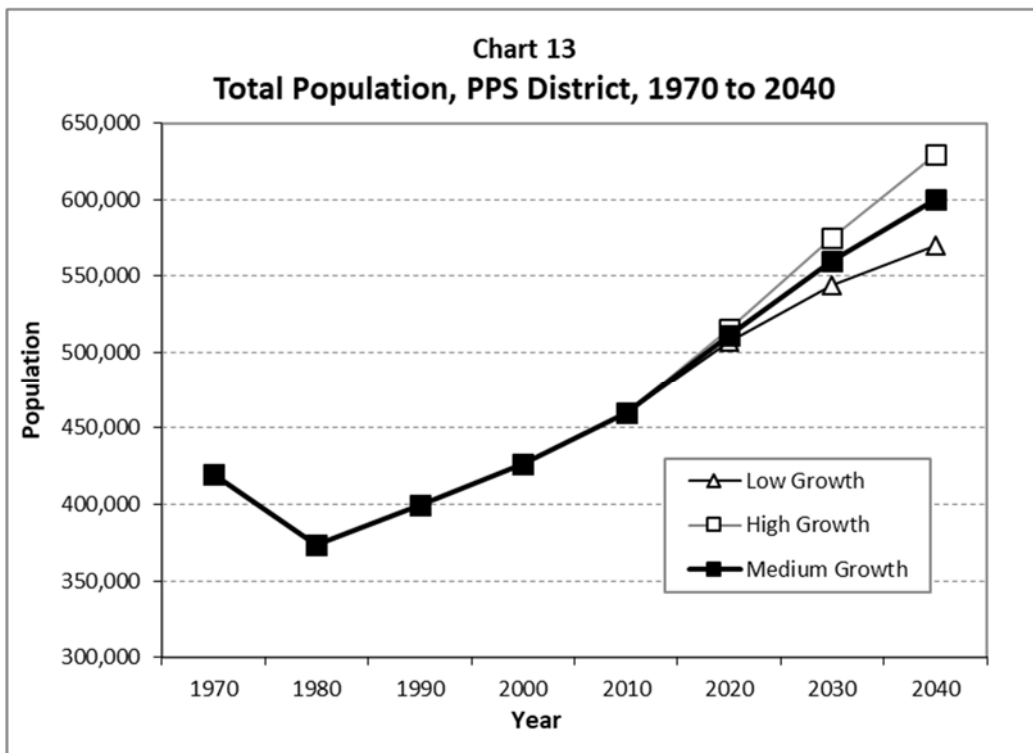
Total population growth in the middle scenario increases from 34,000 (eight percent) observed in the 2000s to 51,000 (11 percent) in the 2010s, 49,000 (10 percent) in the 2020s, and 40,100 (seven percent) in the 2030s. Total births increase each decade, but total deaths increase faster as the population ages. Therefore, the contribution of natural increase to population growth will decrease throughout the forecast horizon. If future rates of household formation by age group were to remain at their 2010 levels, the middle scenario would be consistent with an increase of about 56,750 households within PPS between 2010 and 2030.

Because the decade is nearly over, population growth in the 2010 to 2020 period in the low and high scenarios is not very different from the middle series growth. The scenarios diverge in the 2020s and 2030s. The low scenario includes population growth of 46,700 (10 percent) in the 2010s, slowing to 36,900 (seven percent) in the 2020s, and 26,400 (five percent) in the 2030s. If future rates of household formation by age group remain at their 2010 levels, the low scenario

would be consistent with an increase of about 49,300 households within PPS between 2010 and 2030.

In the high scenario, population growth of 55,200 (12 percent) occurs in the 2010s, followed by 59,100 (11 percent) in the 2020s and 54,500 (nine percent) in the 2030s. If future rates of household formation by age group remain at their 2010 levels, the high scenario would be consistent with an increase of about 62,700 households within PPS between 2010 and 2030.

The total population forecast under each scenario is illustrated in Chart 13. Population within the District fell between 1970 and 1980, a period of very little housing growth and declining average household sizes. Since the 1980s, the District has grown, from 374,000 in 1980 to over 460,000 in 2010. Growth continues under all three scenarios. By 2030, the District's population is about 544,000 in the low forecast, 560,000 in the middle forecast, and 575,000 in the high forecast.



In the middle scenario, K-12 enrollment increases by an average of 434 students annually during the first three years until 2020-21, and an average of 186 students annually over the remainder of the 15 year forecast horizon, reaching 52,222 in 2032-33. Elementary enrollment declines by 574 students during the first five years of the forecast, as incoming kindergarten classes remain

close to or slightly below recent levels due to the local, state, and national birth downturn. However, by 2032-33 the number of K-5th grade students is 1,156 larger than in 2017-18. Middle school and high school enrollments grow initially, reflecting the larger cohorts attributable to the elementary growth that began in 2007. High school enrollments peak in 2024-25 with about 2,000 more students than in 2017-18, followed by decline due to the smaller birth cohorts currently entering kindergarten.

In the low scenario, K-12 enrollment growth averages 118 annually, reaching 50,450 in 2032-33. That average includes growth of 200 to 300 students in several years at the beginning and end of the forecast horizon and small losses during several years between 2022-23 and 2027-28. Elementary enrollment declines during the first five years of the forecast, amounting to a loss of about 1,000 K-5th grade students. Secondary enrollments increase initially; beginning in 2021-22 middle grades experience several years of decline followed by decline in high school enrollment beginning in 2025-26.

In the high scenario, K-12 enrollment growth averages 389 students annually, reaching 54,514 in 2032-33. K-12 growth in the first five years between 2017-18 and 2022-23 exceeds the most recent five years since 2012-13, in spite of a small loss of about 100 students in elementary grades.

Enrollment forecasts in five year increments based on these three district-wide forecast scenarios are summarized in Table 9. Five years of history are included in the table for comparison. Detailed forecasts by year and by individual grade are in [Appendix A](#).

**Table 9
PPS District-wide Forecasts by Grade Level**

MIDDLE Series

	Historic		Forecast		
	2012-13	2017-18	2022-23	2027-28	2032-33
Grades K-5	23,751	24,481	23,907	24,754	25,637
<i>5 year change</i>		730	-574	847	883
Grades 6-8	10,020	10,780	11,429	11,296	11,759
<i>5 year change</i>		760	649	-133	463
Grades 9-12	12,746	13,423	14,937	14,949	14,826
<i>5 year change</i>		677	1,514	12	-123
Total K-12	46,517	48,684	50,273	50,999	52,222
<i>5 year change</i>		2,167	1,589	726	1,223

LOW Series

	Historic		Forecast		
	2012-13	2017-18	2022-23	2027-28	2032-33
Grades K-5	23,751	24,481	23,459	24,112	24,689
<i>5 year change</i>		730	-1,022	653	577
Grades 6-8	10,020	10,780	11,316	11,002	11,371
<i>5 year change</i>		760	536	-314	369
Grades 9-12	12,746	13,423	14,811	14,641	14,390
<i>5 year change</i>		677	1,388	-170	-251
Total K-12	46,517	48,684	49,586	49,755	50,450
<i>5 year change</i>		2,167	902	169	695

HIGH Series

	Historic		Forecast		
	2012-13	2017-18	2022-23	2027-28	2032-33
Grades K-5	23,751	24,481	24,378	25,412	26,601
<i>5 year change</i>		730	-103	1,034	1,189
Grades 6-8	10,020	10,780	11,615	11,708	12,281
<i>5 year change</i>		760	835	93	573
Grades 9-12	12,746	13,423	15,202	15,514	15,632
<i>5 year change</i>		677	1,779	312	118
Total K-12	46,517	48,684	51,195	52,634	54,514
<i>5 year change</i>		2,167	2,511	1,439	1,880

Source: Historic enrollment, Portland Public Schools; enrollment forecasts, Population Research Center, PSU. Does not include pre-kindergarten.

Resident Enrollment Forecasts by High School Cluster: Methodology

Grade progression models are used to forecast the number of PPS students residing in each of the District's eight high school clusters (HSCLs). The HSCL kindergarten forecasts utilize a combination of two methods: ratios of resident kindergarten students to corresponding births and HSCL shares of district-wide kindergarten, adjusted to reflect the expected geographic distribution of future housing development. For grades 1 to 12, GPRs account for the effects of mobility, capture rates, and dropout or retention rates. They are initially based on averages of the ratios from the past five years, and are adjusted as needed to mute the influence of extreme outliers or to incorporate assumptions about growth. Information from the City of Portland's Comprehensive Plan update provided guidance about the potential distribution of future growth.

Under the City of Portland 2035 Comprehensive Plan, the number of housing units within PPS could grow to about 314,000. That would be a significant increase over the 2010 housing stock of about 219,000 units. However, enrollment will grow at a much slower rate than the rate of housing growth due to decreases in household size and an increasing share of smaller housing units associated with changing demand and limited land supply. Given the expected mix of new housing under an average of the alternative scenarios, a housing-based model using SGRs specific to the 11 housing types depicted in the Comprehensive Plan's *Scenarios Background Report* produced district-wide enrollment growth similar to the middle series cohort-component forecast.⁹ Results of the housing model for each HSCL were not used explicitly in the model, but they influenced the final adjustments of GPRs as well as HSCL shares of district-wide births and kindergarten to birth ratios.

Resident Enrollment Forecasts by High School Cluster: Results

The largest numeric growth between 2017-18 and 2032-33 in the number of PPS K-12 residents occurs in the Wilson HSCL (901 students). The Jefferson-Madison, Jefferson-Roosevelt, and Wilson HSCLs each experience double digit percentage growth. The 15 year growth rate in each of the other clusters is at or below the District average of seven percent for the period.

⁹ See Table 12 in *Scenarios Background Report*, City of Portland, Bureau of Planning and Sustainability, July 2015. <http://www.portlandoregon.gov/bps/article/531170>.

Table 10 presents summaries of the resident forecasts for high school clusters for 2022-23, 2027-28, and 2032-33. Forecasts of PPS students by the high school cluster in which they reside are detailed by year and by grade level group (K-5, 6-8, 9-12) in [Appendix Table B1](#).

HS Cluster ¹	2017-18 Actual	2022-23 Forecast	2027-28 Forecast	2032-33 Forecast	'17 to '32 Change		'17 to '32 Average Annual Change	
Cleveland	7,182	7,323	7,443	7,635	453	6%	30	0.4%
Franklin	8,042	8,310	8,399	8,595	553	7%	37	0.4%
Grant	3,240	3,347	3,346	3,434	194	6%	13	0.4%
Jeff-Grant ²	3,159	3,254	3,293	3,393	234	7%	16	0.5%
Jeff-Madison ²	1,848	2,050	2,150	2,149	301	16%	20	1.0%
Jeff-Roosevelt ²	3,081	3,281	3,304	3,413	332	11%	22	0.7%
Lincoln	4,019	4,161	4,162	4,316	297	7%	20	0.5%
Madison	6,003	5,980	6,063	6,228	225	4%	15	0.2%
Roosevelt	4,038	3,919	3,858	4,037	-1	0%	0	0.0%
Wilson	6,741	7,235	7,531	7,642	901	13%	60	0.8%
Out of District	1,331	1,413	1,450	1,380	49	4%	3	0.2%
PPS Total	48,684	50,273	50,999	52,222	3,538	7%	236	0.5%

1. For all years, students are counted by 2018-19 cluster boundaries.
2. Jefferson Dual Assignment Zones.

Resident Enrollment Forecasts by Attendance Area: Methodology

Individual models specific to each HSCL include resident forecasts for each elementary school attendance area (ESAA) by grade for grades K-12. Several years of historic enrollment by residence are included to establish trends in kindergarten enrollment and grade progressions. Kindergarten forecasts are based on historic shares of HSCL kindergarten residents, with minor adjustments based on expected housing growth among ESAA within each cluster. For residents in grades 1 to 12, initial GPRs are based on a weighted average of the most recent three years, adjusted as needed to account for outliers. These initial forecasts based on the GPR model are controlled to be consistent with the HSCL forecast for each grade in each year of the forecast.

Because middle school attendance areas (MSAAs) are composed of one or more ESAA, the resident forecasts for MSAAs are simply the sum of component ESAA forecasts. High school

attendance area (HSA) forecasts are also the sum of ESA forecasts, although the Jefferson-Madison and Jefferson-Roosevelt Dual Assignment Zones split the Faubion ESA, requiring the Faubion ESA forecast to be allocated to each zone. The Bridlemile ESA forecast is also split, reflecting portions assigned to either the West Sylvan or Gray MSAs and the Lincoln or Wilson HSAs beginning in the 2018-19 school year.

Resident Enrollment Forecasts by Attendance Area: Results

Resident forecasts by attendance area are detailed in [Appendix Tables B2 to B6](#) for the relevant grade levels. That is, K-5th grade for ESAs, 6th-8th grade for MSAs, and 9th-12th grade for HSAs. Forecasts are tabulated for each year from 2018-19 to 2032-33, the same horizon as the district-wide forecasts. The history and forecasts in Tables B2 to B6 are tabulated by 2018-19 boundaries.

Enrollment Forecasts for Individual Schools: Methodology

Historic figures for resident and non-resident enrollment for individual neighborhood schools are compiled within the same models for each HSCL as the attendance area resident forecasts.

The resident forecast for each neighborhood school relies on its attendance area resident forecast and assumptions about its capture rate of attendance area residents at the entry grade. These entry grade rates are based on recent trends. For example, an elementary school with a forecast of 100 PPS kindergarten residents and a kindergarten capture rate of 0.85 would be expected to enroll 85 neighborhood students. Forecasts of other grades are based on GPRs, in the manner of the resident forecasts in the same models. The share of residents attending their neighborhood school can change in the forecast, but the relationship between resident enrollment and total residents in an attendance area is monitored closely. Certainly, the number of residents at a school can't exceed the number of attendance area residents attending all PPS schools, by grade level.

Nonresident enrollment at individual neighborhood schools is based on historic trends and information about the number of school choice lottery transfer slots or special programs such as

language immersion. Some neighborhood schools that have limited classroom space are closed to new lottery transfers and will gradually reduce their non-resident enrollment.¹⁰

Forecasts for middle schools and high schools are similar to those for elementary and K-8 schools except that the entry grade for resident shares and non-resident totals is 6th or 9th grade instead of kindergarten. Some high schools have more than one resident enrollment component, due to past boundary changes or dual assignment zones.

The forecasts for eight schools and programs that do not have a neighborhood boundary also are grade progression models similar to the non-resident portion for the neighborhood schools. The “other schools and programs” category is computed as the residual of district-wide enrollment minus grade level enrollments at each of the neighborhood and non-neighborhood schools for which individual forecasts are prepared. As a check to prevent the residual from deviating substantially from historic norms and trends, it is compared with a grade progression forecast that utilizes enrollment history for the “other schools and programs” category. Final adjustments are made to forecasts for individual schools to minimize the differences between the residual and grade progression methods.

Enrollment Forecasts for Individual Schools: Results

The school forecasts maintain the 2018-19 boundaries and grade configurations for all neighborhood schools throughout the 15 year forecast horizon. While reduction in non-resident enrollment may occur due to fewer lottery transfers at many schools, school capacities do not constrain the forecasts.

Enrollments are stable at most of the non-neighborhood schools, with similar numbers of students at each grade year after year. An exception in these forecasts is Benson High School, where the number of freshman slots was raised from 275 in the 2015-16 school year to 300 in 2016-17.

¹⁰ Information about school choice and the number of lottery transfer slots at each school is available at <http://www.pps.net/Page/2343>.

[Appendix C](#) includes annual enrollment forecasts for each of the District’s neighborhood schools and eight schools and programs that do not have a neighborhood boundary (ACCESS, Benson High, Creative Science, da Vinci, Metropolitan Learning Center, Odyssey, Richmond, and Winterhaven). PPS students not attending any of the schools listed in the tables are combined in the “Other Schools and Programs” category. These include other focus/alternative programs, community based programs, special services, and public charter schools.

FORECAST ACCURACY

Enrollment forecasts are utilized as a school planning tool and as a basis for community discussions about future school facility needs. Due to the nature of forecasting, there is no way to estimate a confidence interval as one might for data collected from a survey. The best way to measure potential forecast error is to compare actual enrollments with previous forecasts that were conducted using similar data and methodologies.

This is the 19th consecutive year that PRC has conducted enrollment forecasts for PPS. Table 11 compares the total K-12 forecasts from each of the past 10 series with the actual K-12 enrollments through 2017-18. The “base year” indicates the most recent actual enrollment that PRC researchers used when they prepared the forecasts.

Forecasts based on 2007-08 enrollment predicted that enrollment would fall each year until 2011-12 and then increase slightly. The actual enrollment decline only persisted until 2008-09, and the subsequent increases were much greater than forecast, resulting in steadily increasing errors — as great as 6.6 percent for 2017-18 forecasts done ten years previously. District-wide forecasts prepared since 2009-10 have been much more accurate; actual K-12 enrollments have fallen within one percent of forecast enrollments in the first year of each middle series, and have not differed by more than 1.5 percent in any year.

Forecasts of total K-12 enrollment tend to be more accurate than forecasts for individual grades because of compensating errors. For example, if 9th grade forecasts are too high and 8th grade forecasts are too low, the errors may cancel each other out in the K-12 total. Table 12 reports grade level errors in the middle scenario forecasts for school year 2017-18 prepared in each of the four previous years. The 1.2 percent mean absolute percentage error (MAPE) in the one year forecast was lower than the longer range forecasts, illustrating the value of an annual “reset” to more closely predict individual grades enrollments. The largest one year errors were for kindergarten and 6th grade, in which actual enrollments fell short of the forecasts, and 11th and 12th grades, in which actual enrollments exceeded the forecast.

Table 11
District-wide Forecast Accuracy

School Year	Actual Enroll. ¹	K-12 Enrollment Forecasts by Base Year ²									
		'07-'08	'08-'09	'09-'10	'10-'11	'11-'12	'12-'13	'13-'14	'14-'15	'15-'16	'16-'17
2007-08	45,083										
2008-09	45,024	44,729									
2009-10	45,592	44,534	45,046								
2010-11	45,741	44,406	45,092	45,653							
2011-12	46,206	44,357	45,288	45,993	45,979						
2012-13	46,517	44,611	45,696	46,588	46,451	46,661					
2013-14	47,127	44,651	45,886	46,979	46,766	46,901	46,980				
2014-15	47,579	44,789	46,226	47,420	47,325	47,268	47,544	47,617			
2015-16	48,152	45,013	46,695	47,943	47,732	47,847	48,265	48,187	48,164		
2016-17	48,309	45,246	47,191	48,480	48,269	48,266	48,816	48,850	48,790	48,802	
2017-18	48,684	45,489	47,602	48,956	48,624	48,706	49,272	49,421	49,331	49,388	48,877

School Year	Percentage Error in K-12 Enrollment Forecasts by Base Year ²									
	'07-'08	'08-'09	'09-'10	'10-'11	'11-'12	'12-'13	'13-'14	'14-'15	'15-'16	'16-'17
2008-09	-0.7%									
2009-10	-2.3%	-1.2%								
2010-11	-2.9%	-1.4%	-0.2%							
2011-12	-4.0%	-2.0%	-0.5%	-0.5%						
2012-13	-4.1%	-1.8%	0.2%	-0.1%	0.3%					
2013-14	-5.3%	-2.6%	-0.3%	-0.8%	-0.5%	-0.3%				
2014-15	-5.9%	-2.8%	-0.3%	-0.5%	-0.7%	-0.1%	0.1%			
2015-16	-6.5%	-3.0%	-0.4%	-0.9%	-0.6%	0.2%	0.1%	0.0%		
2016-17	-6.3%	-2.3%	0.4%	-0.1%	-0.1%	1.0%	1.1%	1.0%	1.0%	
2017-18	-6.6%	-2.2%	0.6%	-0.1%	0.0%	1.2%	1.5%	1.3%	1.4%	0.4%

1. Excludes pre-kindergarten.

2. Previous reports included either one or three alternative forecast series. Forecasts presented in this table are those characterized as "Middle" when more than one alternative was prepared.

Table 12
Forecast Accuracy by Grade Level, 2017-18 Enrollments

Grade	2017-18 Enroll- ment	2017-18 Enrollment Forecasts by Base Year*							
		2016-17 (1 yr.)		2015-16 (2 yr.)		2014-15 (3 yr.)		2013-14 (4 yr.)	
		Fcst.	Error	Fcst.	Error	Fcst.	Error	Fcst.	Error
K	3,948	4,057	2.8%	4,089	3.6%	4,124	4.5%	4,128	4.6%
1	4,106	4,128	0.5%	4,191	2.1%	4,207	2.5%	4,192	2.1%
2	4,070	4,095	0.6%	4,133	1.5%	4,131	1.5%	4,126	1.4%
3	4,133	4,165	0.8%	4,171	0.9%	4,121	-0.3%	4,143	0.2%
4	4,137	4,110	-0.7%	4,165	0.7%	4,161	0.6%	4,130	-0.2%
5	4,087	4,080	-0.2%	4,132	1.1%	4,150	1.5%	4,160	1.8%
6	3,704	3,781	2.1%	3,796	2.5%	3,797	2.5%	3,828	3.3%
7	3,523	3,541	0.5%	3,616	2.6%	3,624	2.9%	3,627	3.0%
8	3,553	3,578	0.7%	3,659	3.0%	3,626	2.1%	3,673	3.4%
9	3,344	3,386	1.3%	3,435	2.7%	3,383	1.2%	3,481	4.1%
10	3,228	3,255	0.8%	3,313	2.6%	3,285	1.8%	3,385	4.9%
11	3,220	3,133	-2.7%	3,164	-1.7%	3,125	-3.0%	3,142	-2.4%
12	3,631	3,568	-1.7%	3,524	-2.9%	3,597	-0.9%	3,406	-6.2%
Total	48,684	48,877	0.4%	49,388	1.4%	49,331	1.3%	49,421	1.5%
Mean Absolute Pct. Error			1.2%		2.2%		1.9%		2.9%

*Note: Middle Scenarios

APPENDIX A

DISTRICT-WIDE ENROLLMENT FORECASTS

2018-19 to 2032-33

Portland Public Schools, Enrollment Forecasts, 2018-19 to 2032-33

Table A1. Middle Series Forecast, District-wide Enrollment by Grade and Year

Grade	Historic Enrollment			---- Forecast Enrollment ----														
	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
K	4,097	4,073	3,948	4,014	4,097	4,014	4,006	3,924	4,061	4,181	4,211	4,231	4,247	4,262	4,274	4,293	4,311	4,329
1	4,266	4,141	4,106	4,000	4,074	4,155	4,068	4,065	3,982	4,120	4,241	4,270	4,291	4,307	4,318	4,343	4,359	4,376
2	4,256	4,211	4,070	4,062	3,965	4,037	4,114	4,028	4,025	3,942	4,079	4,199	4,227	4,248	4,260	4,285	4,305	4,321
3	4,233	4,160	4,133	4,024	4,024	3,931	3,998	4,074	3,989	3,986	3,904	4,040	4,158	4,186	4,203	4,225	4,245	4,265
4	3,983	4,128	4,137	4,090	3,991	3,994	3,897	3,963	4,038	3,954	3,951	3,870	4,005	4,121	4,145	4,170	4,188	4,207
5	3,772	3,916	4,087	4,086	4,048	3,949	3,948	3,853	3,918	3,993	3,909	3,906	3,826	3,960	4,071	4,100	4,121	4,139
6	3,722	3,568	3,704	3,939	3,948	3,904	3,804	3,806	3,715	3,778	3,851	3,769	3,766	3,689	3,815	3,928	3,952	3,973
7	3,601	3,605	3,523	3,673	3,914	3,919	3,872	3,774	3,775	3,683	3,746	3,818	3,737	3,734	3,654	3,786	3,894	3,918
8	3,424	3,523	3,553	3,498	3,655	3,895	3,895	3,849	3,752	3,752	3,659	3,721	3,793	3,712	3,706	3,634	3,761	3,868
9	3,259	3,240	3,344	3,419	3,373	3,522	3,748	3,748	3,703	3,610	3,610	3,522	3,582	3,652	3,570	3,569	3,496	3,619
10	3,131	3,203	3,228	3,365	3,447	3,401	3,551	3,785	3,783	3,741	3,648	3,644	3,553	3,613	3,680	3,601	3,597	3,524
11	2,981	3,102	3,220	3,195	3,328	3,410	3,361	3,512	3,750	3,746	3,708	3,618	3,610	3,517	3,572	3,642	3,561	3,557
12	3,427	3,439	3,631	3,728	3,712	3,856	3,948	3,892	4,070	4,354	4,347	4,306	4,204	4,190	4,075	4,142	4,219	4,126
Total	48,152	48,309	48,684	49,093	49,576	49,987	50,210	50,273	50,561	50,840	50,864	50,914	50,999	51,191	51,343	51,718	52,009	52,222
K-2	12,619	12,425	12,124	12,076	12,136	12,206	12,188	12,017	12,068	12,243	12,531	12,700	12,765	12,817	12,852	12,921	12,975	13,026
3-5	11,988	12,204	12,357	12,200	12,063	11,874	11,843	11,890	11,945	11,933	11,764	11,816	11,989	12,267	12,419	12,495	12,554	12,611
6-8	10,747	10,696	10,780	11,110	11,517	11,718	11,571	11,429	11,242	11,213	11,256	11,308	11,296	11,135	11,175	11,348	11,607	11,759
9-12	12,798	12,984	13,423	13,707	13,860	14,189	14,608	14,937	15,306	15,451	15,313	15,090	14,949	14,972	14,897	14,954	14,873	14,826
K-12	48,152	48,309	48,684	49,093	49,576	49,987	50,210	50,273	50,561	50,840	50,864	50,914	50,999	51,191	51,343	51,718	52,009	52,222

Sources: Portland Public Schools, historic enrollment; Population Research Center, PSU, enrollment forecasts.

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Portland Public Schools, Enrollment Forecasts, 2018-19 to 2032-33

Table A2. Low Series Forecast, District-wide Enrollment by Grade and Year

Grade	Historic Enrollment			---- Forecast Enrollment ----														
	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
K	4,097	4,073	3,948	3,968	4,043	3,958	3,945	3,857	3,981	4,091	4,119	4,133	4,138	4,144	4,146	4,155	4,161	4,167
1	4,266	4,141	4,106	3,948	4,016	4,096	4,007	3,997	3,909	4,033	4,145	4,172	4,186	4,192	4,193	4,203	4,209	4,214
2	4,256	4,211	4,070	4,051	3,903	3,974	4,049	3,961	3,951	3,864	3,987	4,097	4,124	4,138	4,140	4,149	4,155	4,160
3	4,233	4,160	4,133	4,013	4,002	3,859	3,926	4,000	3,913	3,903	3,817	3,939	4,047	4,074	4,084	4,094	4,099	4,104
4	3,983	4,128	4,137	4,078	3,968	3,960	3,814	3,880	3,953	3,867	3,857	3,773	3,893	4,000	4,022	4,040	4,046	4,051
5	3,772	3,916	4,087	4,074	4,024	3,919	3,907	3,764	3,829	3,901	3,816	3,807	3,724	3,842	3,944	3,973	3,987	3,993
6	3,722	3,568	3,704	3,928	3,924	3,877	3,771	3,763	3,625	3,688	3,758	3,676	3,667	3,587	3,697	3,803	3,827	3,841
7	3,601	3,605	3,523	3,662	3,892	3,892	3,841	3,738	3,728	3,591	3,653	3,722	3,641	3,632	3,550	3,666	3,767	3,791
8	3,424	3,523	3,553	3,488	3,634	3,869	3,864	3,815	3,713	3,702	3,564	3,626	3,694	3,614	3,601	3,527	3,639	3,739
9	3,259	3,240	3,344	3,411	3,355	3,499	3,719	3,715	3,667	3,569	3,559	3,427	3,487	3,553	3,472	3,466	3,392	3,499
10	3,131	3,203	3,228	3,358	3,433	3,380	3,525	3,752	3,746	3,701	3,604	3,590	3,455	3,515	3,577	3,503	3,494	3,420
11	2,981	3,102	3,220	3,188	3,315	3,393	3,337	3,483	3,714	3,706	3,665	3,571	3,553	3,417	3,473	3,541	3,465	3,456
12	3,427	3,439	3,631	3,720	3,697	3,837	3,925	3,861	4,033	4,308	4,297	4,252	4,146	4,120	3,956	4,028	4,103	4,015
Total	48,152	48,309	48,684	48,887	49,206	49,513	49,630	49,586	49,762	49,924	49,841	49,785	49,755	49,828	49,855	50,148	50,344	50,450
K-2	12,619	12,425	12,124	11,967	11,962	12,028	12,001	11,815	11,841	11,988	12,251	12,402	12,448	12,474	12,479	12,507	12,525	12,541
3-5	11,988	12,204	12,357	12,165	11,994	11,738	11,647	11,644	11,695	11,671	11,490	11,519	11,664	11,916	12,050	12,107	12,132	12,148
6-8	10,747	10,696	10,780	11,078	11,450	11,638	11,476	11,316	11,066	10,981	10,975	11,024	11,002	10,833	10,848	10,996	11,233	11,371
9-12	12,798	12,984	13,423	13,677	13,800	14,109	14,506	14,811	15,160	15,284	15,125	14,840	14,641	14,605	14,478	14,538	14,454	14,390
K-12	48,152	48,309	48,684	48,887	49,206	49,513	49,630	49,586	49,762	49,924	49,841	49,785	49,755	49,828	49,855	50,148	50,344	50,450

Sources: Portland Public Schools, historic enrollment; Population Research Center, PSU, enrollment forecasts.

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Portland Public Schools, Enrollment Forecasts, 2018-19 to 2032-33

Table A3. High Series Forecast, District-wide Enrollment by Grade and Year

Grade	Historic Enrollment			---- Forecast Enrollment ----														
	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
K	4,097	4,073	3,948	4,063	4,152	4,071	4,065	3,984	4,131	4,260	4,293	4,322	4,347	4,371	4,396	4,433	4,467	4,500
1	4,266	4,141	4,106	4,046	4,134	4,225	4,138	4,136	4,055	4,203	4,334	4,367	4,397	4,421	4,446	4,479	4,513	4,546
2	4,256	4,211	4,070	4,077	4,021	4,107	4,197	4,111	4,109	4,028	4,175	4,305	4,338	4,368	4,391	4,421	4,449	4,483
3	4,233	4,160	4,133	4,039	4,050	3,992	4,077	4,166	4,081	4,079	3,999	4,145	4,274	4,306	4,336	4,363	4,389	4,416
4	3,983	4,128	4,137	4,106	4,017	4,023	3,965	4,049	4,137	4,053	4,051	3,972	4,117	4,244	4,276	4,310	4,333	4,358
5	3,772	3,916	4,087	4,102	4,076	3,983	3,989	3,932	4,016	4,103	4,020	4,018	3,939	4,083	4,209	4,245	4,275	4,298
6	3,722	3,568	3,704	3,955	3,975	3,943	3,852	3,861	3,806	3,888	3,973	3,892	3,890	3,813	3,953	4,080	4,111	4,140
7	3,601	3,605	3,523	3,687	3,942	3,958	3,926	3,836	3,844	3,788	3,870	3,955	3,874	3,872	3,795	3,939	4,061	4,092
8	3,424	3,523	3,553	3,512	3,680	3,934	3,949	3,918	3,829	3,836	3,778	3,859	3,944	3,863	3,861	3,788	3,928	4,049
9	3,259	3,240	3,344	3,433	3,396	3,557	3,800	3,815	3,785	3,699	3,706	3,651	3,730	3,812	3,734	3,735	3,661	3,797
10	3,131	3,203	3,228	3,378	3,472	3,434	3,600	3,852	3,865	3,838	3,752	3,755	3,697	3,776	3,859	3,784	3,781	3,707
11	2,981	3,102	3,220	3,207	3,351	3,444	3,407	3,574	3,831	3,842	3,818	3,734	3,733	3,673	3,751	3,836	3,758	3,755
12	3,427	3,439	3,631	3,742	3,737	3,894	4,003	3,961	4,158	4,464	4,474	4,450	4,354	4,348	4,275	4,369	4,463	4,373
Total	48,152	48,309	48,684	49,347	50,003	50,565	50,968	51,195	51,647	52,081	52,243	52,425	52,634	52,950	53,282	53,782	54,189	54,514
K-2	12,619	12,425	12,124	12,186	12,307	12,403	12,400	12,231	12,295	12,491	12,802	12,994	13,082	13,160	13,233	13,333	13,429	13,529
3-5	11,988	12,204	12,357	12,247	12,143	11,998	12,031	12,147	12,234	12,235	12,070	12,135	12,330	12,633	12,821	12,918	12,997	13,072
6-8	10,747	10,696	10,780	11,154	11,597	11,835	11,727	11,615	11,479	11,512	11,621	11,706	11,708	11,548	11,609	11,807	12,100	12,281
9-12	12,798	12,984	13,423	13,760	13,956	14,329	14,810	15,202	15,639	15,843	15,750	15,590	15,514	15,609	15,619	15,724	15,663	15,632
K-12	48,152	48,309	48,684	49,347	50,003	50,565	50,968	51,195	51,647	52,081	52,243	52,425	52,634	52,950	53,282	53,782	54,189	54,514

Sources: Portland Public Schools, historic enrollment; Population Research Center, PSU, enrollment forecasts.

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APPENDIX B

ENROLLMENT FORECASTS BY AREA OF RESIDENCE

2018-19 to 2032-33

Enrollment forecasts by area of residence are consistent with the district-wide middle series forecast.

Table B1. Enrollment by High School Cluster Residing¹

Table B2. Grades K-2 Enrollment by Attendance Area Residing²

Table B3. Grades 3-5 Enrollment by Attendance Area Residing²

Table B4. Grades K-5 Enrollment by Attendance Area Residing²

Table B5. Grades 6-8 Enrollment by Attendance Area Residing³

Table B6. Grades 9-12 Enrollment by Attendance Area Residing⁴

1. Based on 2018-19 elementary attendance area boundaries within each cluster.

2. Based on 2018-19 elementary attendance area boundaries.

3. Based on 2018-19 K-8 and middle school attendance area boundaries.

4. Based on 2018-19 high school attendance area boundaries.

**Table B1
PPS Residents Forecast by Cluster and Grade Level, 2018-19 to 2032-33**

Cluster*	Historic 2017-18	Forecast															Change 2017-18 to 2032-33	
		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	Number	Percent
Cleveland Cluster																		
K-5	3,638	3,614	3,608	3,609	3,604	3,581	3,585	3,609	3,629	3,665	3,703	3,757	3,795	3,818	3,837	3,852	214	6%
6-8	1,646	1,652	1,690	1,672	1,667	1,662	1,670	1,659	1,658	1,655	1,660	1,638	1,643	1,662	1,703	1,733	87	5%
9-12	1,898	1,966	1,954	2,029	2,074	2,080	2,099	2,101	2,092	2,079	2,080	2,076	2,066	2,065	2,055	2,050	152	8%
Total	7,182	7,232	7,252	7,310	7,345	7,323	7,354	7,369	7,379	7,399	7,443	7,471	7,504	7,545	7,595	7,635	453	6%
Franklin Cluster																		
K-5	4,023	4,003	4,007	4,035	4,038	4,025	4,017	4,020	4,036	4,060	4,105	4,160	4,192	4,213	4,232	4,254	231	6%
6-8	1,825	1,879	1,915	1,918	1,862	1,827	1,853	1,886	1,908	1,906	1,874	1,841	1,842	1,880	1,928	1,949	124	7%
9-12	2,194	2,250	2,310	2,353	2,420	2,458	2,445	2,457	2,405	2,383	2,420	2,446	2,461	2,441	2,400	2,392	198	9%
Total	8,042	8,132	8,232	8,306	8,320	8,310	8,315	8,363	8,349	8,349	8,399	8,447	8,495	8,534	8,560	8,595	553	7%
Grant Cluster																		
K-5	1,644	1,606	1,581	1,555	1,534	1,524	1,539	1,551	1,564	1,581	1,606	1,627	1,630	1,641	1,653	1,665	21	1%
6-8	789	821	852	881	856	834	805	792	787	792	784	779	791	813	827	832	43	5%
9-12	807	866	877	901	975	989	1,009	1,037	1,008	976	956	949	940	939	935	937	130	16%
Total	3,240	3,293	3,310	3,337	3,365	3,347	3,353	3,380	3,359	3,349	3,346	3,355	3,361	3,393	3,415	3,434	194	6%
Jefferson/Grant Cluster																		
K-5	1,608	1,598	1,608	1,608	1,615	1,634	1,630	1,637	1,643	1,653	1,666	1,690	1,703	1,719	1,726	1,734	126	8%
6-8	687	717	701	716	706	681	686	694	724	719	717	704	703	708	727	738	51	7%
9-12	864	833	866	888	903	939	925	927	902	909	910	915	942	931	924	921	57	7%
Total	3,159	3,148	3,175	3,212	3,224	3,254	3,241	3,258	3,269	3,281	3,293	3,309	3,348	3,358	3,377	3,393	234	7%
Jefferson/Madison Cluster																		
K-5	1,047	1,064	1,056	1,067	1,067	1,055	1,038	1,036	1,041	1,058	1,075	1,081	1,082	1,084	1,087	1,086	39	4%
6-8	389	416	464	468	456	455	491	515	511	487	466	462	468	485	491	495	106	27%
9-12	412	425	435	469	510	540	563	569	579	580	609	629	611	589	572	568	156	38%
Total	1,848	1,905	1,955	2,004	2,033	2,050	2,092	2,120	2,131	2,125	2,150	2,172	2,161	2,158	2,150	2,149	301	16%
Jefferson/Roosevelt Cluster																		
K-5	1,664	1,636	1,608	1,618	1,650	1,651	1,656	1,680	1,686	1,701	1,714	1,739	1,755	1,762	1,767	1,773	109	7%
6-8	667	676	704	746	719	691	665	673	688	693	702	685	686	694	712	722	55	8%
9-12	750	781	840	899	916	939	972	965	949	928	888	912	921	920	923	918	168	22%
Total	3,081	3,093	3,152	3,263	3,285	3,281	3,293	3,318	3,323	3,322	3,304	3,336	3,362	3,376	3,402	3,413	332	11%

Forecast: Population Research Center, Portland State University, August 2018.

Table B1 (continued)
PPS Residents Forecast by Cluster and Grade Level, 2017-18 to 2031-32

Cluster*	Historic 2017-18	Forecast															Change 2017-18 to 2032-33	
		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	Number	Percent
Lincoln Cluster																		
K-5	1,741	1,742	1,759	1,732	1,757	1,742	1,755	1,772	1,774	1,790	1,803	1,836	1,857	1,877	1,889	1,900	159	9%
6-8	880	868	892	908	899	894	854	864	871	880	895	874	876	879	901	919	39	4%
9-12	1,398	1,466	1,492	1,516	1,523	1,525	1,563	1,530	1,538	1,512	1,464	1,501	1,488	1,516	1,515	1,497	99	7%
Total	4,019	4,076	4,143	4,156	4,179	4,161	4,172	4,166	4,183	4,182	4,162	4,211	4,221	4,272	4,305	4,316	297	7%
Madison Cluster																		
K-5	3,054	3,000	2,973	2,945	2,910	2,903	2,932	2,962	2,984	3,025	3,060	3,097	3,117	3,129	3,139	3,149	95	3%
6-8	1,304	1,371	1,426	1,457	1,435	1,403	1,366	1,339	1,341	1,349	1,347	1,340	1,359	1,391	1,419	1,435	131	10%
9-12	1,645	1,635	1,582	1,605	1,630	1,674	1,705	1,757	1,715	1,672	1,656	1,633	1,619	1,635	1,635	1,644	-1	0%
Total	6,003	6,006	5,981	6,007	5,975	5,980	6,003	6,058	6,040	6,046	6,063	6,070	6,095	6,155	6,193	6,228	225	4%
Roosevelt Cluster																		
K-5	2,043	1,971	1,911	1,879	1,866	1,863	1,902	1,937	1,964	1,995	2,027	2,057	2,072	2,089	2,099	2,105	62	3%
6-8	920	947	958	931	897	843	797	780	778	799	811	810	821	846	870	883	-37	-4%
9-12	1,075	1,059	1,089	1,142	1,164	1,213	1,190	1,158	1,129	1,049	1,020	1,010	999	1,023	1,042	1,049	-26	-2%
Total	4,038	3,977	3,958	3,952	3,927	3,919	3,889	3,875	3,871	3,843	3,858	3,877	3,892	3,958	4,011	4,037	-1	0%
Wilson Cluster																		
K-5	3,350	3,393	3,450	3,417	3,404	3,353	3,383	3,396	3,398	3,412	3,419	3,464	3,492	3,508	3,524	3,543	193	6%
6-8	1,453	1,504	1,622	1,695	1,743	1,808	1,743	1,725	1,716	1,754	1,766	1,728	1,712	1,716	1,755	1,779	326	22%
9-12	1,938	1,988	1,974	1,981	2,036	2,074	2,261	2,312	2,367	2,376	2,346	2,349	2,320	2,365	2,342	2,320	382	20%
Total	6,741	6,885	7,046	7,093	7,183	7,235	7,387	7,433	7,481	7,542	7,531	7,541	7,524	7,589	7,621	7,642	901	13%
Out of District																		
K-5	669	649	638	615	586	576	576	576	576	576	576	576	576	576	576	576	-93	-14%
6-8	220	259	293	326	331	331	312	286	274	274	274	274	274	274	274	274	54	25%
9-12	442	438	441	406	457	506	574	638	629	626	600	552	530	530	530	530	88	20%
Total	1,331	1,346	1,372	1,347	1,374	1,413	1,462	1,500	1,479	1,476	1,450	1,402	1,380	1,380	1,380	1,380	49	4%
Total	48,684	49,093	49,576	49,987	50,210	50,273	50,561	50,840	50,864	50,914	50,999	51,191	51,343	51,718	52,009	52,222	3,538	7%

*Note: Historical data reflects 2018-19 clusters. Clusters are composed of whole elementary areas and may differ from high school attendance areas reported in Table B6.

Forecast: Population Research Center, Portland State University, August 2018.

Table B2. PPS Grades K-2 Enrollment by Attendance Area Residing

(students attending all PPS schools tabulated by the 2018-19 attendance area boundary in which they reside)

H.S. Clust.	Grades K-2 Attendance Area	< History			Forecast >														
		2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
CLE	Abernethy	322	310	303	299	301	298	298	293	292	295	303	308	310	312	313	315	315	316
CLE	Buckman	156	146	144	135	139	149	149	150	155	159	164	167	169	170	172	173	174	175
CLE	Duniway	282	282	248	243	234	234	234	233	235	239	249	256	259	262	264	265	266	266
CLE	Grout	266	268	272	268	267	271	280	278	280	283	287	288	289	290	290	290	290	291
CLE	Lewis	172	213	217	223	215	219	216	212	212	213	218	223	227	230	230	231	232	234
CLE	Llewellyn	237	236	246	242	253	249	246	240	239	240	244	248	250	249	248	248	251	252
CLE	Whitman	177	174	181	182	184	177	177	172	170	171	175	178	179	180	181	182	183	184
CLE	Woodstock	209	215	227	230	228	222	226	225	223	226	230	234	234	236	238	239	240	242
FRA	Arleta	211	204	209	213	218	220	215	211	210	213	218	218	219	219	219	219	220	221
FRA	Atkinson	170	164	162	159	163	163	160	159	157	159	161	163	164	165	166	167	168	169
FRA	Bridger	194	201	203	211	213	213	211	208	207	210	215	216	216	216	216	216	217	218
FRA	Creston	181	164	180	186	197	188	184	180	180	183	188	190	191	192	194	195	197	198
FRA	Glencoe	331	316	342	350	360	346	338	331	330	336	345	350	351	351	350	353	357	359
FRA	Kelly	245	241	211	219	223	232	231	227	228	232	236	240	242	241	243	246	246	247
FRA	Lent	194	159	178	186	188	178	177	173	172	177	183	185	185	185	186	187	189	190
FRA	Marysville	195	178	182	180	176	180	177	175	175	178	183	185	186	187	189	191	192	192
FRA	Sunnyside	163	179	149	149	148	155	152	148	147	151	157	161	162	163	164	165	166	166
FRA	Woodmere	182	195	183	180	180	190	188	185	185	189	194	196	195	196	197	200	201	203
GRA	Alameda	386	366	347	343	336	343	340	336	340	349	358	359	358	359	357	361	363	365
GRA	Beverly Cleary	195	190	185	180	171	178	177	177	180	185	188	193	196	198	199	202	205	207
GRA	Laurelhurst	249	230	238	234	244	234	232	230	235	239	244	246	246	246	245	245	247	250
JEF/GRA	Boise-Eliot-Humboldt	259	247	223	226	238	247	245	241	242	247	254	259	262	264	264	264	266	269
JEF/GRA	Irvington	206	187	190	181	179	181	183	180	180	181	186	188	191	193	195	197	198	198
JEF/GRA	King	140	133	140	148	165	155	154	151	149	149	151	153	154	155	154	154	154	155
JEF/GRA	Sabin	261	266	253	256	264	258	258	254	254	257	263	265	265	265	266	269	269	268
JEF/MAD	Faubion	239	223	280	301	302	273	261	258	262	271	276	280	279	278	277	279	280	281
JEF/MAD	Vernon	262	278	274	278	270	273	260	256	261	271	277	280	280	279	278	279	281	281
JEF/ROO	Beach	234	225	201	206	205	221	224	219	219	221	227	231	233	233	235	234	234	236
JEF/ROO	Chief Joseph	229	204	203	204	210	211	213	211	212	214	221	223	224	224	225	224	225	225
JEF/ROO	Peninsula	198	200	188	197	198	200	203	203	204	209	215	220	220	223	223	228	228	226
JEF/ROO	Woodlawn	248	234	232	229	236	238	242	235	234	238	243	247	248	248	249	249	250	252

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PSU Population Research Center, August 2018

Table B2 (continued). PPS Grades K-2 Enrollment by Attendance Area Residing
(students attending all PPS schools tabulated by the 2018-19 attendance area boundary in which they reside)

H.S. Clust.	Grades K-2 Attendance Area	< History			Forecast >														
		2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
LIN	Ainsworth	257	239	235	236	249	260	263	256	256	257	266	272	275	277	280	282	284	286
LIN	Chapman	322	330	285	282	293	301	311	305	307	309	317	323	330	334	337	340	341	343
LIN	Forest Park	206	230	233	245	228	221	223	218	218	217	222	226	228	230	231	232	232	233
LIN	Skyline	94	83	78	78	86	84	85	82	81	80	81	81	82	82	82	81	80	80
MAD	Harrison Park	353	331	330	324	319	316	312	313	318	326	332	336	337	339	340	340	342	342
MAD	Lee	253	232	217	205	221	216	212	211	215	219	224	228	229	231	231	234	231	230
MAD	Rigler	291	308	279	274	265	272	270	266	270	276	283	288	289	292	293	294	294	295
MAD	Rose City Park	228	227	222	228	232	239	238	232	232	237	241	243	242	241	242	243	245	245
MAD	Scott	269	259	268	253	259	258	262	264	270	275	279	281	282	283	284	284	284	285
MAD	Vestal	233	223	197	197	191	197	198	196	199	203	207	209	210	210	210	211	212	214
ROO	Astor	231	188	183	179	174	177	177	177	180	185	190	194	196	197	198	201	202	203
ROO	Cesar Chavez	156	144	127	127	122	127	129	131	134	137	140	141	143	146	147	149	149	149
ROO	James John	288	268	244	237	241	249	252	251	255	261	269	273	277	279	279	279	280	281
ROO	Rosa Parks	234	226	215	205	199	202	205	204	207	212	216	218	218	217	217	217	219	220
ROO	Sitton	269	258	236	224	230	234	235	235	239	246	253	256	255	256	255	258	257	257
WIL	Bridlemile	270	286	273	274	274	269	272	266	263	262	269	274	275	276	278	280	281	281
WIL	Capitol Hill	229	249	244	245	236	245	247	241	241	242	249	253	255	257	259	262	264	267
WIL	Hayhurst	253	267	265	254	244	260	261	254	253	254	262	264	265	267	268	269	271	272
WIL	Maplewood	219	255	234	234	237	254	256	250	249	250	256	258	258	259	259	259	261	262
WIL	Markham	271	256	269	269	271	263	265	259	258	258	264	267	268	267	266	266	267	268
WIL	Rieke	214	222	209	212	207	218	219	213	211	210	215	219	219	219	220	222	223	224
WIL	Stephenson	173	185	187	180	187	182	179	176	177	176	177	180	182	183	183	185	186	187
Grade K-2 residing in PPS		12,306	12,094	11,821	11,800	11,870	11,940	11,922	11,751	11,802	11,977	12,265	12,434	12,499	12,551	12,586	12,655	12,709	12,760
Grade K-2 residing outside PPS		313	331	303	276	266	266	266	266	266	266	266	266	266	266	266	266	266	266
Grade K-2 Totals		12,619	12,425	12,124	12,076	12,136	12,206	12,188	12,017	12,068	12,243	12,531	12,700	12,765	12,817	12,852	12,921	12,975	13,026

Table B3. PPS Grades 3-5 Enrollment by Attendance Area Residing

(students attending all PPS schools tabulated by the 2018-19 attendance area boundary in which they reside)

H.S. Clust.	Grades 3-5 Attendance Area	< History			Forecast >														
		2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
CLE	Abernethy	305	315	314	309	293	292	286	290	287	287	281	281	284	292	297	299	301	302
CLE	Buckman	135	132	130	137	144	139	130	126	132	132	134	140	143	148	152	154	155	155
CLE	Duniway	290	291	290	280	268	245	239	232	231	235	235	238	243	252	259	262	266	268
CLE	Grout	251	250	247	264	266	270	276	275	279	280	278	280	283	288	289	290	291	291
CLE	Lewis	177	189	180	185	212	222	226	220	224	224	218	217	218	223	230	235	238	237
CLE	Llewellyn	254	257	229	226	215	229	227	237	234	230	225	222	223	228	232	234	232	232
CLE	Whitman	196	187	189	173	163	166	165	169	164	164	160	158	159	162	164	165	166	167
CLE	Woodstock	190	199	221	218	226	227	229	229	228	231	228	227	233	235	236	236	237	240
FRA	Arleta	197	214	217	196	194	198	202	204	207	202	198	197	200	204	205	205	205	205
FRA	Atkinson	176	173	176	172	168	166	163	167	167	164	163	161	163	165	167	168	169	170
FRA	Bridger	179	171	185	191	208	211	218	217	217	215	211	212	215	220	222	223	223	222
FRA	Creston	158	153	162	168	153	169	177	187	179	175	171	171	175	179	181	183	184	186
FRA	Glencoe	336	342	355	347	343	363	370	379	365	357	350	349	356	365	366	366	365	368
FRA	Kelly	259	258	244	237	219	210	213	219	225	225	222	222	224	230	232	233	235	237
FRA	Lent	191	197	190	169	164	178	187	187	178	175	171	172	178	184	186	186	186	187
FRA	Marysville	164	179	185	187	177	177	176	172	176	173	171	171	174	179	181	182	183	185
FRA	Sunnyside	157	147	150	140	145	133	136	135	141	138	134	133	137	143	148	149	149	150
FRA	Woodmere	189	180	160	163	170	165	163	161	171	168	165	168	172	176	180	179	180	181
GRA	Alameda	342	366	385	379	371	351	347	339	345	341	337	343	354	362	361	361	363	365
GRA	Beverly Cleary	224	237	240	223	224	210	205	198	206	204	206	206	213	218	223	226	228	230
GRA	Laurelhurst	244	237	249	247	235	239	233	244	233	233	231	234	239	244	245	246	247	248
JEF/GRA	Boise-Eliot-Humboldt	217	226	227	225	227	229	229	236	240	239	235	236	240	247	250	254	255	256
JEF/GRA	Irvington	239	214	199	187	179	180	175	175	179	180	177	177	176	180	184	188	190	192
JEF/GRA	King	133	130	133	126	115	124	136	153	144	141	139	138	138	140	142	144	144	143
JEF/GRA	Sabin	263	233	243	249	241	234	235	244	242	243	238	237	240	246	248	249	250	253
JEF/MAD	Faubion	225	218	245	228	226	264	283	284	256	246	243	248	257	260	261	260	259	258
JEF/MAD	Vernon	233	231	248	257	258	257	263	257	259	248	245	250	259	264	266	266	267	266
JEF/ROO	Beach	188	204	213	196	193	181	187	186	193	196	192	192	194	199	201	203	203	204
JEF/ROO	Chief Joseph	183	190	195	189	168	171	173	180	182	185	182	183	186	191	193	195	195	195
JEF/ROO	Peninsula	172	173	198	185	184	176	185	187	188	193	190	192	194	198	202	200	204	205
JEF/ROO	Woodlawn	242	243	234	230	214	220	223	230	224	224	216	213	215	223	227	229	228	230

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Table B3 (continued). PPS Grades 3-5 Enrollment by Attendance Area Residing
(students attending all PPS schools tabulated by the 2018-19 attendance area boundary in which they reside)

H.S. Clust.	Grades 3-5 Attendance Area	< History			Forecast >														
		2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
LIN	Ainsworth	231	212	234	234	235	233	237	244	253	257	250	250	251	258	262	267	269	271
LIN	Chapman	286	303	322	317	314	283	278	284	294	303	298	301	302	311	317	323	328	331
LIN	Forest Park	289	264	247	241	260	262	272	255	250	251	246	245	245	253	257	261	262	264
LIN	Skyline	84	102	107	109	94	88	88	98	96	98	94	92	90	91	91	91	93	92
MAD	Harrison Park	343	346	339	318	304	302	295	289	288	286	288	294	301	307	312	315	317	319
MAD	Lee	235	233	240	244	209	203	193	206	199	198	198	202	206	211	214	214	217	218
MAD	Rigler	274	285	283	282	283	267	260	252	256	256	252	257	264	271	275	276	278	279
MAD	Rose City Park	191	203	206	224	238	243	250	248	249	244	239	239	244	247	248	247	248	251
MAD	Scott	258	274	277	273	267	270	257	265	267	271	273	279	284	288	290	291	292	293
MAD	Vestal	201	202	196	178	185	162	163	161	169	171	168	169	172	177	178	180	179	178
ROO	Astor	156	164	151	161	153	153	150	147	150	149	149	150	154	159	162	166	169	170
ROO	Cesar Chavez	172	179	164	135	124	119	117	112	117	120	123	127	130	132	134	136	139	141
ROO	James John	256	247	259	243	224	204	203	207	217	219	218	221	226	235	239	243	244	244
ROO	Rosa Parks	254	237	223	222	213	204	193	189	193	196	195	198	202	207	208	208	207	207
ROO	Sitton	261	268	241	238	231	210	205	210	210	212	211	217	226	229	233	232	233	233
WIL	Bridlemile	257	271	298	309	319	303	297	300	299	302	294	290	290	300	306	308	309	311
WIL	Capitol Hill	166	191	221	239	261	243	243	235	245	247	241	241	242	248	251	252	255	257
WIL	Hayhurst	218	229	235	244	275	262	254	244	260	260	254	254	255	260	262	263	264	265
WIL	Maplewood	193	196	201	217	241	229	228	232	249	251	245	244	245	250	252	253	253	254
WIL	Markham	242	281	300	306	292	288	285	288	279	282	275	274	274	281	285	286	285	284
WIL	Rieke	209	232	208	208	208	202	203	199	209	209	205	203	203	207	209	208	209	211
WIL	Stephenson	192	202	206	202	198	199	195	196	190	193	192	191	188	190	194	195	196	200
Grade 3-5 residing in PPS		11,677	11,857	11,991	11,827	11,691	11,525	11,523	11,580	11,635	11,623	11,454	11,506	11,679	11,957	12,109	12,185	12,244	12,301
Grade 3-5 residing outside PPS		311	347	366	373	372	349	320	310	310	310	310	310	310	310	310	310	310	310
Grade 3-5 Totals		11,988	12,204	12,357	12,200	12,063	11,874	11,843	11,890	11,945	11,933	11,764	11,816	11,989	12,267	12,419	12,495	12,554	12,611

Table B4. PPS Grades K-5 Enrollment by Attendance Area Residing

(students attending all PPS schools tabulated by the 2018-19 attendance area boundary in which they reside)

H.S. Clust.	Grades K-5 Attendance Area	< History			Forecast >														
		2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
CLE	Abernethy	627	625	617	608	594	590	584	583	579	582	584	589	594	604	610	614	616	618
CLE	Buckman	291	278	274	272	283	288	279	276	287	291	298	307	312	318	324	327	329	330
CLE	Duniway	572	573	538	523	502	479	473	465	466	474	484	494	502	514	523	527	532	534
CLE	Grout	517	518	519	532	533	541	556	553	559	563	565	568	572	578	579	580	581	582
CLE	Lewis	349	402	397	408	427	441	442	432	436	437	436	440	445	453	460	466	470	471
CLE	Llewellyn	491	493	475	468	468	478	473	477	473	470	469	470	473	477	480	482	483	484
CLE	Whitman	373	361	370	355	347	343	342	341	334	335	335	336	338	342	345	347	349	351
CLE	Woodstock	399	414	448	448	454	449	455	454	451	457	458	461	467	471	474	475	477	482
FRA	Arleta	408	418	426	409	412	418	417	415	417	415	416	415	419	423	424	424	425	426
FRA	Atkinson	346	337	338	331	331	329	323	326	324	323	324	324	327	330	333	335	337	339
FRA	Bridger	373	372	388	402	421	424	429	425	424	425	426	428	431	436	438	439	440	440
FRA	Creston	339	317	342	354	350	357	361	367	359	358	359	361	366	371	375	378	381	384
FRA	Glencoe	667	658	697	697	703	709	708	710	695	693	695	699	707	716	716	719	722	727
FRA	Kelly	504	499	455	456	442	442	444	446	453	457	458	462	466	471	475	479	481	484
FRA	Lent	385	356	368	355	352	356	364	360	350	352	354	357	363	369	372	373	375	377
FRA	Marysville	359	357	367	367	353	357	353	347	351	351	354	356	360	366	370	373	375	377
FRA	Sunnyside	320	326	299	289	293	288	288	283	288	289	291	294	299	306	312	314	315	316
FRA	Woodmere	371	375	343	343	350	355	351	346	356	357	359	364	367	372	377	379	381	384
GRA	Alameda	728	732	732	722	707	694	687	675	685	690	695	702	712	721	718	722	726	730
GRA	Beverly Cleary	419	427	425	403	395	388	382	375	386	389	394	399	409	416	422	428	433	437
GRA	Laurelhurst	493	467	487	481	479	473	465	474	468	472	475	480	485	490	490	491	494	498
JEF/GRA	Boise-Eliot-Humboldt	476	473	450	451	465	476	474	477	482	486	489	495	502	511	514	518	521	525
JEF/GRA	Irvington	445	401	389	368	358	361	358	355	359	361	363	365	367	373	379	385	388	390
JEF/GRA	King	273	263	273	274	280	279	290	304	293	290	290	291	292	295	296	298	298	298
JEF/GRA	Sabin	524	499	496	505	505	492	493	498	496	500	501	502	505	511	514	518	519	521
JEF/MAD	Faubion	464	441	525	529	528	537	544	542	518	517	519	528	536	538	538	539	539	539
JEF/MAD	Vernon	495	509	522	535	528	530	523	513	520	519	522	530	539	543	544	545	548	547
JEF/ROO	Beach	422	429	414	402	398	402	411	405	412	417	419	423	427	432	436	437	437	440
JEF/ROO	Chief Joseph	412	394	398	393	378	382	386	391	394	399	403	406	410	415	418	419	420	420
JEF/ROO	Peninsula	370	373	386	382	382	376	388	390	392	402	405	412	414	421	425	428	432	431
JEF/ROO	Woodlawn	490	477	466	459	450	458	465	465	458	462	459	460	463	471	476	478	478	482

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Table B4 (continued). PPS Grades K-5 Enrollment by Attendance Area Residing
(students attending all PPS schools tabulated by the 2018-19 attendance area boundary in which they reside)

H.S. Clust.	Grades K-5 Attendance Area	< History			Forecast >														
		2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
LIN	Ainsworth	488	451	469	470	484	493	500	500	509	514	516	522	526	535	542	549	553	557
LIN	Chapman	608	633	607	599	607	584	589	589	601	612	615	624	632	645	654	663	669	674
LIN	Forest Park	495	494	480	486	488	483	495	473	468	468	468	471	473	483	488	493	494	497
LIN	Skyline	178	185	185	187	180	172	173	180	177	178	175	173	172	173	173	172	173	172
MAD	Harrison Park	696	677	669	642	623	618	607	602	606	612	620	630	638	646	652	655	659	661
MAD	Lee	488	465	457	449	430	419	405	417	414	417	422	430	435	442	445	448	448	448
MAD	Rigler	565	593	562	556	548	539	530	518	526	532	535	545	553	563	568	570	572	574
MAD	Rose City Park	419	430	428	452	470	482	488	480	481	481	480	482	486	488	490	490	493	496
MAD	Scott	527	533	545	526	526	528	519	529	537	546	552	560	566	571	574	575	576	578
MAD	Vestal	434	425	393	375	376	359	361	357	368	374	375	378	382	387	388	391	391	392
ROO	Astor	387	352	334	340	327	330	327	324	330	334	339	344	350	356	360	367	371	373
ROO	Cesar Chavez	328	323	291	262	246	246	246	243	251	257	263	268	273	278	281	285	288	290
ROO	James John	544	515	503	480	465	453	455	458	472	480	487	494	503	514	518	522	524	525
ROO	Rosa Parks	488	463	438	427	412	406	398	393	400	408	411	416	420	424	425	425	426	427
ROO	Sitton	530	526	477	462	461	444	440	445	449	458	464	473	481	485	488	490	490	490
WIL	Bridlemile	527	557	571	583	593	572	569	566	562	564	563	564	565	576	584	588	590	592
WIL	Capitol Hill	395	440	465	484	497	488	490	476	486	489	490	494	497	505	510	514	519	524
WIL	Hayhurst	471	496	500	498	519	522	515	498	513	514	516	518	520	527	530	532	535	537
WIL	Maplewood	412	451	435	451	478	483	484	482	498	501	501	502	503	509	511	512	514	516
WIL	Markham	513	537	569	575	563	551	550	547	537	540	539	541	542	548	551	552	552	552
WIL	Rieke	423	454	417	420	415	420	422	412	420	419	420	422	422	426	429	430	432	435
WIL	Stephenson	365	387	393	382	385	381	374	372	367	369	369	371	370	373	377	380	382	387
Grade K-5 residing in PPS		23,983	23,951	23,812	23,627	23,561	23,465	23,445	23,331	23,437	23,600	23,719	23,940	24,178	24,508	24,695	24,840	24,953	25,061
Grade K-5 residing outside PPS		624	678	669	649	638	615	586	576	576	576	576	576	576	576	576	576	576	576
Grade K-5 Totals		24,607	24,629	24,481	24,276	24,199	24,080	24,031	23,907	24,013	24,176	24,295	24,516	24,754	25,084	25,271	25,416	25,529	25,637

Table B5. PPS Grades 6-8 Enrollment by Attendance Area Residing

(students attending all PPS schools tabulated by the 2018-19 attendance area boundary in which they reside)

H.S. Clust.	Grades 6-8 Attendance Area	< History			Forecast >														
		2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
CLE	Hosford Middle 6-8	772	783	800	789	829	833	853	846	851	838	836	838	843	836	844	855	872	881
CLE	Sellwood Middle 6-8	677	692	693	707	703	684	669	679	680	682	679	678	678	666	665	672	694	713
FRA	Arleta K-8	140	142	147	186	206	205	185	180	184	188	190	193	188	184	183	186	190	191
FRA	Bridger K-8	142	144	157	169	168	175	181	196	197	202	201	201	200	197	198	201	207	209
FRA	Creston K-8	151	145	153	146	161	153	160	145	160	168	178	170	166	163	163	166	170	172
FRA	Lane Middle 6-8	599	580	553	529	525	509	488	473	460	463	471	484	482	474	480	486	492	498
FRA	Lent K-8	192	166	168	164	172	169	151	144	157	165	165	156	153	149	150	156	162	164
FRA	Marysville K-8	154	152	163	159	172	176	179	169	170	168	164	168	165	163	162	166	172	174
FRA	Mt. Tabor Middle 6-8	460	505	500	545	542	555	539	528	546	550	562	548	537	529	523	533	545	549
FRA	Sunnyside K-8	138	133	137	137	127	131	124	129	118	121	120	125	122	118	117	121	127	131
GRA	Beaumont Middle 6-8	634	629	621	612	630	650	643	638	595	586	569	582	579	572	581	597	611	614
GRA	Beverly Cleary K-8	187	205	209	239	244	250	233	232	222	217	209	215	212	213	215	223	227	232
GRA	Laurelhurst K-8	210	235	234	243	249	257	254	240	243	239	250	241	240	237	242	247	250	250
JEF/GRA	Tubman Middle K-8	673	683	687	717	701	716	706	681	686	694	724	719	717	704	703	708	727	738
JEF/MAD	Faubion K-8	180	185	201	221	245	245	226	223	260	278	278	253	244	241	244	252	254	257
JEF/MAD	Vernon K-8	149	185	188	195	219	223	230	232	231	237	233	234	222	221	224	233	237	238
JEF/ROO	Ockley Green Middle 6-8	646	668	667	676	704	746	719	691	665	673	688	693	702	685	686	694	712	722
LIN	Sylvan Middle 6-8	881	887	893	895	915	931	915	924	894	904	901	904	919	900	901	905	928	951
LIN	Skyline K-8	102	93	94	82	99	104	107	91	87	86	96	94	96	91	90	89	90	90
MAD	Harrison Park K-8	320	284	249	277	295	293	273	263	259	254	248	247	246	248	253	260	266	270
MAD	Roseway Hts Middle 6-8	813	776	780	821	860	888	888	864	852	835	852	856	854	849	859	877	892	901
ROO	Astor K-8	122	126	132	127	135	127	135	127	128	126	123	126	125	124	126	130	134	137
ROO	Cesar Chavez K-8	140	147	151	169	172	160	131	119	115	115	111	116	118	121	123	124	126	128
ROO	George Middle 6-8	623	623	637	651	651	644	631	597	554	539	544	557	568	565	572	592	610	618
WIL	Gray Middle 6-8	619	556	574	589	631	644	667	704	664	654	645	678	681	663	657	660	676	686
WIL	Jackson Middle 6-8	801	764	772	806	869	924	953	983	952	945	945	958	965	948	940	941	962	971
Grade 6-8 residing in PPS		10,525	10,488	10,560	10,851	11,224	11,392	11,240	11,098	10,930	10,927	10,982	11,034	11,022	10,861	10,901	11,074	11,333	11,485
Grade 6-8 residing outside PPS		222	208	220	259	293	326	331	331	312	286	274	274	274	274	274	274	274	274
Grade 6-8 Totals		10,747	10,696	10,780	11,110	11,517	11,718	11,571	11,429	11,242	11,213	11,256	11,308	11,296	11,135	11,175	11,348	11,607	11,759

B-9

Table B6. PPS Grades 9-12 Enrollment by Attendance Area Residing

(students attending all PPS schools tabulated by the 2018-19 high school attendance area boundary in which they reside)

Grades 9-12 Attendance Area	< History			Forecast >														
	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
Cleveland	1,834	1,867	1,898	1,966	1,954	2,029	2,074	2,080	2,099	2,101	2,092	2,079	2,080	2,076	2,066	2,065	2,055	2,050
Franklin	2,052	2,115	2,194	2,250	2,310	2,353	2,420	2,458	2,445	2,457	2,405	2,383	2,420	2,446	2,461	2,441	2,400	2,392
Grant total	1,614	1,619	1,671	1,699	1,743	1,789	1,878	1,928	1,934	1,964	1,910	1,885	1,866	1,864	1,882	1,870	1,859	1,858
<i>Grant</i>	759	780	807	866	877	901	975	989	1,009	1,037	1,008	976	956	949	940	939	935	937
<i>Jefferson-Grant*</i>	855	839	864	833	866	888	903	939	925	927	902	909	910	915	942	931	924	921
Jefferson total	2,004	1,952	2,026	2,039	2,141	2,256	2,329	2,418	2,460	2,461	2,430	2,417	2,407	2,456	2,474	2,440	2,419	2,407
<i>Jefferson-Grant*</i>	855	839	864	833	866	888	903	939	925	927	902	909	910	915	942	931	924	921
<i>Jefferson-Madison*</i>	308	299	290	292	305	342	377	409	421	441	451	447	464	480	462	450	436	432
<i>Jefferson-Roosevelt*</i>	841	814	872	914	970	1,026	1,049	1,070	1,114	1,093	1,077	1,061	1,033	1,061	1,070	1,059	1,059	1,054
Lincoln	1,487	1,476	1,549	1,629	1,651	1,684	1,696	1,699	1,752	1,722	1,726	1,704	1,653	1,690	1,674	1,693	1,690	1,670
Madison total	1,917	1,858	1,935	1,927	1,887	1,947	2,007	2,083	2,126	2,198	2,166	2,119	2,120	2,113	2,081	2,085	2,071	2,076
<i>Madison</i>	1,609	1,559	1,645	1,635	1,582	1,605	1,630	1,674	1,705	1,757	1,715	1,672	1,656	1,633	1,619	1,635	1,635	1,644
<i>Jefferson-Madison*</i>	308	299	290	292	305	342	377	409	421	441	451	447	464	480	462	450	436	432
Roosevelt total	1,939	1,894	1,947	1,973	2,059	2,168	2,213	2,283	2,304	2,251	2,206	2,110	2,053	2,071	2,069	2,082	2,101	2,103
<i>Roosevelt</i>	1,098	1,080	1,075	1,059	1,089	1,142	1,164	1,213	1,190	1,158	1,129	1,049	1,020	1,010	999	1,023	1,042	1,049
<i>Jefferson-Roosevelt*</i>	841	814	872	914	970	1,026	1,049	1,070	1,114	1,093	1,077	1,061	1,033	1,061	1,070	1,059	1,059	1,054
Wilson	1,613	1,733	1,787	1,825	1,815	1,813	1,863	1,900	2,072	2,120	2,179	2,184	2,157	2,160	2,134	2,188	2,167	2,147
Grade 9-12 residing in PPS	12,456	12,562	12,981	13,269	13,419	13,783	14,151	14,431	14,732	14,813	14,684	14,464	14,349	14,420	14,367	14,424	14,343	14,296
Grade 9-12 residing outside PPS	342	422	442	438	441	406	457	506	574	638	629	626	600	552	530	530	530	530
Grade 9-12 Totals	12,798	12,984	13,423	13,707	13,860	14,189	14,608	14,937	15,306	15,451	15,313	15,090	14,949	14,972	14,897	14,954	14,873	14,826

*Note: Dual Assignment Zone.

PSU Population Research Center, August 2018

APPENDIX C

ENROLLMENT FORECASTS BY SCHOOL

2018-19 to 2032-33

School forecasts are consistent with the district-wide middle series forecast.

Table C. K-12 Enrollment by School¹

Name	School Program	Grade Range ²	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
Abernethy		KG-5	513	519	516	517	500	505	498	491	491	499	505	512	515	522	527	529	530	531
Ainsworth ³	Spanish Immersion	KG-5	313	316	313	314	316	320	336	337	343	345	345	346	347	350	353	354	355	357
	Neighborhood Program	KG-5	287	289	325	332	336	335	338	334	334	337	340	345	349	355	359	362	363	364
	Total	KG-5	600	605	638	646	652	655	674	671	677	682	685	691	696	705	712	716	718	721
Alameda ³		KG-5	730	747	734	722	705	696	699	690	682	687	691	697	705	712	712	713	714	715
Arleta		KG-8	456	457	454	455	456	457	447	440	443	446	440	451	457	455	454	454	456	457
Astor		KG-8	493	455	425	414	403	399	403	387	392	396	397	406	413	417	423	430	435	437
Atkinson	Spanish Immersion	KG-5	152	164	171	173	167	164	161	159	158	157	157	157	158	159	160	161	162	163
	Neighborhood Program	KG-5	283	268	249	234	227	221	215	217	217	216	216	216	218	220	222	224	226	228
	Total	KG-5	435	432	420	407	394	385	376	376	375	373	373	373	376	379	382	385	388	391
Beach ³	Spanish Immersion	KG-5	382	281	284	283	286	288	293	293	294	294	293	294	296	299	302	304	306	308
	Neighborhood Program	KG-5	249	183	158	157	160	166	165	169	176	179	180	181	182	184	185	186	187	188
	Total	KG-5	631	464	442	440	446	454	458	462	470	473	473	475	478	483	487	490	493	496
Beverly Cleary ³		KG-8	859	884	897	773	730	694	643	597	587	579	560	571	576	582	591	603	611	618
Boise-Eliot/Humboldt ³		KG-5	521	513	483	343	351	352	356	360	370	372	373	377	380	384	387	389	392	394
Bridger	Spanish Immersion	KG-8	251	291	308	327	349	366	370	381	378	373	363	363	363	363	363	363	363	363
	Neighborhood Program	KG-8	225	209	223	224	232	238	232	230	229	236	232	235	235	235	237	238	242	243
	Total	KG-8	476	500	531	551	581	604	602	611	607	609	595	598	598	598	600	601	605	606
Bridlemile ³		KG-5	480	511	535	538	550	536	528	530	526	527	527	529	529	536	541	544	546	548
Buckman		KG-5	481	459	474	476	488	498	489	486	482	486	489	495	499	504	509	512	515	518
Capitol Hill ³		KG-5	437	448	442	443	439	419	404	396	402	404	404	407	410	417	423	426	430	435
César Chávez	Spanish Immersion	KG-8	251	308	291	313	340	363	382	379	387	390	395	397	399	401	401	394	387	380
	Neighborhood Program	KG-8	271	243	249	245	241	233	217	211	204	203	200	204	205	207	209	211	213	214
	Total	KG-8	522	551	540	558	581	596	599	590	591	593	595	601	604	608	610	605	600	594
Chapman ³		KG-5	643	584	532	522	531	506	509	511	517	524	525	534	539	550	557	564	568	573
Chief Joseph ³		KG-5	604	326	363	336	314	303	297	297	298	305	308	311	314	319	322	322	322	323
Creative Science		KG-8	476	492	479	474	472	466	466	468	474	473	476	476	476	476	476	476	476	476
Creston		KG-8	392	356	372	383	386	379	394	386	389	384	395	392	393	394	397	400	407	410
Duniway		KG-5	494	519	499	501	495	480	488	475	479	484	489	495	502	511	516	519	522	525
Faubion ³		KG-8	459	481	626	652	679	692	696	706	710	730	727	695	691	691	696	703	708	711
Forest Park ³		KG-5	449	455	443	453	456	449	462	438	435	434	433	436	436	445	451	454	457	461
Glencoe		KG-5	500	492	489	462	464	466	459	457	454	462	468	474	483	493	498	501	504	508
Grout		KG-5	376	384	392	399	393	392	396	392	393	398	403	408	413	419	423	424	425	426
Harrison Park	Mandarin Immersion	KG-2	0	0	46	68	89	109	128	146	163	180	179	183	184	185	186	187	188	189
	Neighborhood Program	KG-8	729	676	592	564	538	501	469	452	438	426	429	434	437	440	444	447	450	452
	Total	KG-8	729	676	638	632	627	610	597	598	601	606	608	617	621	625	630	634	638	641
Hayhurst ³	Odyssey Program	KG-8	222	212	218	219	221	221	221	222	220	221	218	218	218	218	218	218	218	218
	Neighborhood Program	KG-5	277	340	374	393	420	449	440	430	444	445	446	449	451	457	460	461	462	463
	Total	KG-8	499	552	592	612	641	670	661	652	664	666	664	667	669	675	678	679	680	681

Table C. K-12 Enrollment by School (continued)¹

Name	School Program	Grade Range ²	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
Irvington ³		KG-5	493	446	459	351	357	379	366	368	369	372	374	377	379	382	385	387	388	389
James John	Spanish Immersion	KG-4	48	71	89	109	129	129	136	130	131	132	134	136	138	140	140	140	140	140
	Neighborhood Program	KG-5	381	334	279	237	208	205	210	216	220	225	229	233	238	242	243	243	243	243
	Total	KG-5	429	405	368	346	337	334	346	346	351	357	363	369	376	382	383	383	383	383
Kelly	Russian Immersion	KG-5	253	260	218	204	192	174	160	155	156	156	156	156	157	158	158	159	160	161
	Neighborhood Program	KG-5	357	344	314	320	306	307	305	305	309	313	315	317	321	325	326	330	334	338
	Total	KG-5	610	604	532	524	498	481	465	460	465	469	471	473	478	483	484	489	494	499
Laurelhurst		KG-8	691	684	698	693	697	695	694	690	688	690	701	696	700	703	706	711	716	719
Lee ³		KG-5	456	447	425	306	300	301	302	311	315	320	322	325	327	330	330	330	330	330
Lent	Spanish Immersion	KG-8	186	203	205	212	223	225	225	225	228	228	230	228	228	228	228	229	231	231
	Neighborhood Program	KG-8	378	320	325	315	310	312	299	293	290	297	296	298	303	308	313	318	324	329
	Total	KG-8	564	523	530	527	533	537	524	518	518	525	526	526	531	536	541	547	555	560
Lewis		KG-5	382	412	389	389	393	402	402	396	399	400	401	404	410	416	421	425	429	431
Llewellyn		KG-5	531	517	489	473	471	477	467	475	475	478	479	485	493	503	514	524	535	537
Maplewood ³		KG-5	359	384	378	385	406	411	410	408	415	422	424	425	428	432	434	435	436	437
Markham		KG-5	377	418	456	460	457	452	455	444	437	439	439	441	442	445	446	447	447	447
Marysville		KG-8	390	358	380	385	381	386	395	381	385	374	382	388	392	397	403	408	413	417
ML King Jr ³	Mandarin Immersion	KG-5	88	118	133	150	152	159	161	159	159	160	160	160	160	160	160	160	160	160
	Neighborhood Program	KG-5	292	249	236	160	147	134	140	132	130	130	130	130	130	131	132	132	132	132
	Total	KG-5	380	367	369	310	299	293	301	291	289	290	290	290	290	291	292	292	292	292
Peninsula ³		KG-5	374	266	279	283	289	294	305	305	314	323	326	327	330	334	338	341	343	345
Richmond		KG-5	629	649	647	640	642	639	637	640	640	640	640	640	640	640	640	640	640	640
Rieke ³		KG-5	402	410	386	389	385	386	393	382	386	387	387	388	389	395	399	402	403	406
Rigler ³	Spanish Immersion	KG-5	314	352	339	346	355	356	357	355	360	367	367	372	375	380	382	383	383	384
	Neighborhood Program	5	137	120	102	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	KG-5	451	472	441	364	355	356	357	355	360	367	367	372	375	380	382	383	383	384
Rosa Parks		KG-5	329	298	272	259	253	253	255	262	267	273	276	281	283	286	286	287	288	289
Rose City Park ³	Vietnamese Immersion	KG-5	0	0	0	147	167	177	182	185	187	188	188	189	190	191	191	191	191	191
	Neighborhood Program	KG-5	0	0	0	389	367	359	358	358	347	346	342	342	345	347	348	348	349	350
	Total	KG-5	0	0	0	536	534	536	540	543	534	534	530	531	535	538	539	539	540	541
Roseway Heights ³	Vietnamese Immersion	KG-5	57	73	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Neighborhood Program	KG-5	640	570	549	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	KG-5	697	643	661	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sabin ³		KG-5	568	524	551	426	430	416	416	426	423	424	427	428	430	435	436	436	436	437
Scott ³	Spanish Immersion	KG-5	182	192	246	238	233	242	243	245	250	256	258	261	262	263	264	264	264	265
	Neighborhood Program	KG-5	291	320	275	211	225	213	211	200	208	215	217	219	220	221	222	222	222	222
	Total	KG-5	473	512	521	449	463	459	460	450	464	477	481	486	488	490	492	492	492	493

Table C. K-12 Enrollment by School (continued)¹

Name	School Program	Grade Range ²	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
Sitton	Spanish Immersion	KG-4	94	109	113	123	133	125	113	102	104	107	110	112	113	114	115	115	115	115
	Neighborhood Program	KG-5	296	292	251	235	231	229	242	245	247	250	253	257	261	266	266	266	267	267
	Total	KG-5	390	401	364	358	364	354	355	347	351	357	363	369	374	380	381	381	382	382
Skyline		KG-8	300	300	293	278	283	271	272	266	256	255	264	265	268	268	268	268	269	269
Stephenson ³		KG-5	322	340	352	351	370	371	372	378	369	371	368	366	368	374	378	380	382	384
Sunnyside Environmental		KG-8	574	602	604	615	606	603	608	609	608	614	614	617	619	621	625	627	630	631
Vernon		KG-8	407	471	522	559	591	602	600	603	615	602	592	597	596	598	602	608	612	615
Vestal		KG-5	412	381	341	250	241	241	244	224	239	250	256	263	268	272	276	282	287	288
Whitman		KG-5	271	261	267	258	249	252	252	264	256	258	259	260	261	264	267	269	271	272
Winterhaven		KG-8	350	353	354	354	358	361	363	363	363	363	363	363	363	363	363	363	363	363
Woodlawn ³		KG-5	407	324	326	319	318	333	339	340	337	338	340	341	343	346	349	350	351	353
Woodmere		KG-5	312	303	286	301	315	325	331	328	329	327	328	330	332	336	338	339	340	342
Woodstock	Mandarin Immersion	KG-5	321	331	324	320	316	315	317	316	316	318	318	319	320	321	321	322	323	324
	Neighborhood Program	KG-5	175	196	228	231	236	249	253	246	249	257	259	263	264	271	276	280	284	286
	Total	KG-5	496	527	552	551	552	564	570	562	565	575	577	582	584	592	597	602	607	610
Elementary Schools Subtotal			27,081	26,464	26,448	25,398	25,461	25,427	25,397	25,202	25,291	25,463	25,533	25,693	25,865	26,112	26,297	26,440	26,577	26,681
Beaumont	Spanish Immersion	6-8	75	87	111	126	135	139	143	149	144	148	150	154	156	153	156	159	163	164
	Neighborhood Program	6-8	496	482	480	462	457	470	465	459	434	430	422	428	424	420	426	437	444	446
	Total	6-8	571	569	591	588	592	609	608	608	578	578	572	582	580	573	582	596	607	610
da Vinci		6-8	458	461	457	453	451	452	452	452	452	452	452	452	452	452	452	452	452	452
George		6-8	369	360	417	431	438	427	423	410	391	381	384	391	395	393	400	410	420	424
Gray ³		6-8	566	546	536	552	569	585	599	633	600	593	585	612	616	601	597	598	612	620
Hosford	Mandarin Immersion	6-8	126	167	115	118	139	152	153	154	154	153	153	153	153	153	154	155	155	155
	Neighborhood Program	6-8	514	464	506	496	515	523	534	530	535	526	525	527	530	526	530	536	545	551
	Total	6-8	640	631	621	614	654	675	687	684	689	679	678	680	683	679	684	691	700	706
Jackson ³		6-8	606	597	659	729	803	860	889	908	883	875	876	885	892	876	872	873	888	900
Lane	Russian Immersion	6-8	37	38	57	63	64	67	74	77	66	59	54	54	54	54	54	54	54	54
	Neighborhood Program	6-8	444	405	397	386	392	373	357	348	340	342	346	355	355	350	354	361	370	374
	Total	6-8	481	443	454	449	456	440	431	425	406	401	400	409	409	404	408	415	424	428
Mt Tabor	Japanese Immersion	6-8	254	252	254	257	261	269	274	280	283	277	276	269	269	269	269	269	269	269
	Spanish Immersion	6-8	76	94	69	63	76	83	86	82	79	78	78	80	80	80	80	80	80	80
	Neighborhood Program	6-8	364	384	395	425	408	413	402	395	407	410	419	410	402	397	394	400	407	411
	Total	6-8	694	730	718	745	745	765	762	757	769	765	773	759	751	746	743	749	756	760
Ockley Green ³	Spanish Immersion	6-8	0	166	109	105	105	113	109	107	104	106	108	108	109	107	107	108	111	112
	Neighborhood Program	6-8	0	460	422	423	409	428	415	404	391	396	403	403	408	401	401	405	414	418
	Total	6-8	0	626	531	528	514	541	524	511	495	502	511	511	517	508	508	513	525	530

Table C. K-12 Enrollment by School (continued)¹

Name	School Program	Grade Range ²	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
Roseway Heights ³	Spanish Immersion	6	0	0	0	40	77	98	101	104	111	110	108	109	109	109	109	109	109	109
	Vietnamese Immersion	N/A	0	0	0	0	0	26	52	74	79	81	85	85	85	85	85	85	85	85
	Neighborhood Program	6-8	0	0	0	531	553	548	539	512	501	491	499	501	501	499	505	513	522	527
	Total	6-8	0	0	0	571	630	672	692	690	691	682	692	695	695	693	699	707	716	721
Sellwood		6-8	560	583	589	598	585	573	570	575	574	575	573	572	572	562	562	569	586	600
Tubman ³		6-8	0	0	0	446	433	434	439	434	444	448	460	458	457	450	452	455	464	470
West Sylvan ³	Spanish Immersion	6-8	126	145	141	151	161	158	150	152	149	157	150	152	154	154	154	154	154	154
	Neighborhood Program	6-8	840	766	735	691	707	731	725	733	710	713	711	715	725	709	709	711	731	749
	Total	6-8	966	911	876	842	868	889	875	885	859	870	861	867	879	863	863	865	885	903
Middle Schools Subtotal			5,911	6,457	6,449	7,546	7,738	7,922	7,951	7,972	7,831	7,801	7,817	7,873	7,898	7,800	7,822	7,893	8,035	8,124
Benson		9-12	914	994	1026	1058	1072	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080
Cleveland	Mandarin Immersion	9-12	77	97	120	138	139	134	138	136	142	148	149	149	149	149	149	149	149	149
	Neighborhood Program	9-12	1523	1512	1466	1465	1445	1470	1518	1549	1555	1554	1550	1540	1540	1537	1530	1530	1521	1519
	Total	9-12	1600	1609	1586	1603	1584	1604	1656	1685	1697	1702	1699	1689	1689	1686	1679	1679	1670	1668
Franklin	Spanish Immersion	9-12	97	105	118	144	137	145	155	155	164	165	165	165	165	165	165	165	165	165
	Russian Immersion	9-11	0	0	18	26	39	40	49	54	54	52	52	52	52	52	52	52	52	52
	Neighborhood Program	9-12	1473	1507	1609	1653	1705	1734	1762	1777	1764	1760	1730	1725	1749	1764	1771	1754	1728	1728
	Total	9-12	1570	1612	1745	1823	1881	1919	1966	1986	1982	1977	1947	1942	1966	1981	1988	1971	1945	1945
Grant ³	Japanese Immersion	9-12	124	148	170	196	204	223	224	222	225	223	222	222	222	222	222	222	222	222
	Neighborhood Program	9-12	1357	1328	1342	1317	1337	1363	1430	1465	1476	1486	1451	1433	1418	1416	1418	1410	1406	1410
	Total	9-12	1481	1476	1512	1513	1541	1586	1654	1687	1701	1709	1673	1655	1640	1638	1640	1632	1628	1632
Jefferson		9-12	524	590	677	775	857	924	952	982	1000	995	984	979	975	994	997	987	980	978
Lincoln ³	Spanish Immersion	9-12	191	179	164	160	154	154	150	155	154	154	154	154	154	154	154	154	154	154
	Neighborhood Program	9-12	1505	1524	1541	1557	1530	1514	1515	1514	1558	1534	1536	1513	1476	1505	1496	1512	1507	1490
	Total	9-12	1696	1703	1705	1717	1684	1668	1665	1669	1712	1688	1690	1667	1630	1659	1650	1666	1661	1644
Madison ³	Spanish Immersion	9-12	33	48	68	69	85	116	137	160	175	175	176	175	175	176	175	175	176	175
	Vietnamese Immersion	N/A	0	0	0	0	0	0	0	0	21	42	60	81	84	86	90	90	90	90
	Neighborhood Program	9-12	1101	1022	1078	1032	1017	1006	1029	1054	1045	1052	1020	983	973	966	956	960	961	969
	Total	9-12	1134	1070	1146	1101	1102	1122	1166	1214	1241	1269	1256	1239	1232	1228	1221	1225	1227	1234
Roosevelt	Spanish Immersion	9-12	112	86	132	120	117	139	147	151	150	147	142	139	137	139	140	139	139	140
	Neighborhood Program	9-12	828	795	727	733	774	805	827	861	849	823	797	752	734	735	735	742	749	756
	Total	9-12	940	881	859	853	891	944	974	1012	999	970	939	891	871	874	875	881	888	896
Wilson ³		9-12	1324	1413	1512	1597	1611	1645	1693	1736	1864	1912	1986	1988	1987	1990	1959	1999	1982	1973
High Schools Subtotal			11,183	11,348	11,768	12,040	12,223	12,492	12,806	13,051	13,276	13,302	13,254	13,130	13,070	13,130	13,089	13,120	13,061	13,050
ACCESS		1-8	346	352	336	328	314	302	287	273	273	273	273	273	273	273	273	273	273	273
Metro. Learning Center		K-12	426	427	390	386	387	385	385	383	384	385	385	385	385	385	385	385	385	385
Other Schools and Programs		K-12	3205	3261	3293	3395	3453	3459	3384	3392	3506	3616	3602	3560	3508	3491	3477	3607	3678	3709
District Total			48,152	48,309	48,684	49,093	49,576	49,987	50,210	50,273	50,561	50,840	50,864	50,914	50,999	51,191	51,343	51,718	52,009	52,222

Table C. K-12 Enrollment by School Footnotes

1. Several elementary schools also have a pre-kindergarten (PK) program, not included in these enrollment figures.
2. Grade range for 2018-19; changes since 2015-16 described in school-specific footnotes below; immersion programs assumed to add one grade each year until they match the neighborhood program configuration.
3. Boundary or grade configuration change described in school-specific footnotes below.

Ainsworth: Effective 2016-17, a boundary change assigned a portion of the Chapman catchment area to Ainsworth.

Alameda: Effective 2018-19, a boundary change assigns a portion of the Alameda catchment area to Rose City Park.

Beach: Effective 2016-17, Beach was reconfigured from K-8 to K-5.

Beverly Cleary: Effective 2018-19, boundary changes assign portions of the Beverly Cleary catchment area to Irvington and to Rose City Park.

Boise-Eliot/Humboldt: Effective 2018-19, Boise-Eliot/Humboldt is reconfigured from K-8 to K-5.

Bridlemile: Effective 2016-17, boundary changes assigned a portion of the Chapman catchment area to Bridlemile, and a portion of the Bridlemile catchment area to Hayhurst.

Capitol Hill: Effective 2016-17, a boundary change assigned a portion of the Capitol Hill catchment area to Stephenson.

Chapman: Effective 2016-17, boundary changes assigned portions of the Chapman catchment area to Ainsworth, to Bridlemile, and to Forest Park.

Chief Joseph: Effective 2017-18, a boundary change assigned a portion of the Chief Joseph catchment area to Peninsula. Effective 2016-17 Chief Joseph was reconfigured from K-8 to K-4; 5th grade attended Ockley Green. Effective 2017-18 Chief Joseph became K-5.

Faubion: Effective 2015-16, Faubion moved to the Tubman location for construction and returned to the original site in 2017-18.

Forest Park: Effective 2016-17, a boundary change assigned a portion of the Chapman catchment area to Forest Park.

Franklin: Effective 2015-16, Franklin moved to the Marshall location for construction and returned to the original site in 2017-18.

Grant: Effective 2017-18, Grant moved to the Marshall location for construction and will return to the original site in 2019-20. Effective 2019-20 a boundary change assigns a portion of the Grant catchment area to Madison.

Gray: Effective 2017-18, boundary changes assigned a portion of the West Sylvan catchment area to Gray and a portion of the Gray catchment area to Jackson.

Hayhurst: Effective 2016-17, boundary changes assigned portions of the Bridlemile, Maplewood, and Rieke catchment areas to Hayhurst.

Irvington: Effective 2018-19 a boundary change assigns portions of the Beverly Cleary catchment area to Irvington and Irvington is reconfigured from K-8 to K-5.

Lee: Effective 2018-19 boundary changes assign a portion of the former Roseway Heights catchment area to Lee and a portion of the Lee catchment area to Rose City Park and Lee is reconfigured from K-8 to K-5.

Lincoln: Effective 2017-18, a boundary change assigned a portion of the Lincoln catchment area to Wilson.

Madison: Effective 2019-20 a boundary change assigns a portion of the Grant catchment area to Madison.

Maplewood: Effective 2016-17, a boundary change assigned a portion of the Maplewood catchment area to Hayhurst.

ML King Jr: Effective 2018-19 ML King Jr. is reconfigured from K-8 to K-5.

Ockley Green: Effective 2016-17, Ockley Green re-opened as a middle school, with elementary school feeders Beach, Chief Joseph, Peninsula, and Woodlawn. Chief Joseph 5th grade remained in the Ockley Green building for 2016-17. Effective 2017-18, Ockley Green became a 6-8.

Peninsula: Effective 2017-18, a boundary change assigned a portion of the Chief Joseph catchment area to Peninsula. Effective 2016-17 Peninsula was reconfigured from K-8 to K-5.

Rieke: Effective 2016-17, boundary changes assigned a portion of the Rieke catchment area to Hayhurst and a portion of the Maplewood catchment area to Rieke.

Rigler: Effective 2018-19, neighborhood program grades K-4 move to Scott; effective 2019-20 neighborhood program all grades at Scott.

Rose City Park: Effective 2018-19 boundary changes assign portions of the Alameda, Beverly Cleary, Lee, and former Roseway Heights catchment areas to Rose City Park, which opens as a K-5.

Roseway Heights: Effective 2018-19, Roseway Heights reopens as a middle school, grades 6-8, with elementary school feeders Lee, Rose City Park, Scott, and Vestal. Its former grades K-8 catchment area is assigned to Lee, Rose City Park, and Scott for grades K-5.

Sabin: Effective 2018-19 Sabin is reconfigured from K-8 to K-5.

Scott: Effective 2018-19 a boundary change assigns a portion of the former Roseway Heights catchment area to Scott, Scott is reconfigured from K-8 to K-5, and Rigler neighborhood programs grades K-4 move to Scott. Effective 2019-20 all grades of Rigler neighborhood program are assigned to Scott.

Stephenson: Effective 2016-17, a boundary change assigned a portion of the Capitol Hill catchment area to Stephenson.

Tubman: Effective 2018-19, Tubman re-opens as a middle school, grades 6-8, with elementary school feeders Boise-Eliot/Humboldt, Irvington, ML King Jr., and Sabin.

West Sylvan: Effective 2017-18, a boundary change assigned a portion of the West Sylvan catchment area to Gray.

Wilson: Effective 2017-18, a boundary change assigned a portion of the Lincoln catchment area to Wilson.

Woodlawn: Effective 2016-17, Woodlawn was reconfigured from K-8 to K-5.

APPENDIX D

**ELEMENTARY SCHOOL ATTENDANCE AREAS
BY HIGH SCHOOL CLUSTER**

Table D. Elementary School Attendance Areas by High School Cluster, 2018-19

High School Cluster (HSCL)	Elementary School Attendance Area (ESAA)	High School Cluster (HSCL)	Elementary School Attendance Area (ESAA)	
Cleveland	Abernethy	Lincoln	Ainsworth	
	Buckman		Chapman	
	Duniway		Forest Park	
	Grout		Skyline	
	Franklin	Lewis	Madison	Harrison Park
		Llewellyn		Lee
		Whitman		Rigler
		Woodstock		Rose City Park
Arleta		Scott		
Atkinson		Vestal		
Grant		Bridger	Roosevelt	Astor
		Creston		Cesar Chavez
		Glencoe		James John
		Kelly		Rosa Parks
	Lent	Sitton		
	Marysville	Bridlemile ²		
	Sunnyside Environmental	Capitol Hill		
	Woodmere	Hayhurst		
Jefferson-Grant	Alameda	Wilson	Maplewood	
	Beverly Cleary		Markham	
	Laurelhurst		Rieke	
Jefferson-Madison	Boise-Eliot/Humboldt		Stephenson	
	Irvington			
	King			
Jefferson-Roosevelt	Sabin			
	Faubion ¹			
	Vernon			
Jefferson-Roosevelt	Beach			
	Chief Joseph			
	Peninsula			
	Woodlawn			

1. A portion of the Faubion ESAA is assigned to the Jefferson-Roosevelt High School Attendance Area.

2. A portion of the Bridlemile ESAA is assigned to the Lincoln High School Attendance Area.

APPENDIX E

POPULATION, HOUSING, SOCIAL AND ECONOMIC PROFILE

PORTLAND PUBLIC SCHOOLS DISTRICT

Population, Housing, Social and Economic Profile

Portland School District 1J, Oregon

	2007-2011			2012-2016			Compare
	Estimate	CV *	Margin of Error (+/-)	Estimate	CV *	Margin of Error (+/-)	Statistically Different?
POPULATION							
Total population	455,063	●	2,438	491,889	●	2,410	**
Percent under 18 years	17.7%	●	0.3%	16.9%	●	0.2%	**
Percent 65 years and over	10.0%	●	0.2%	11.4%	●	0.1%	**
Median age (years)	36.3	●	0.2	37.1	●	0.2	**
Percent white alone, non-Latino	75.7%	●	0.4%	75.3%	●	0.4%	
HOUSING							
Total housing units	218,319	●	1,023	225,964	●	840	**
Occupied housing units	204,217	●	1,304	212,468	●	1,115	**
Owner occupied	110,434	●	1,471	113,434	●	1,214	**
Percent owner-occupied	54.1%	●	0.6%	53.4%	●	0.5%	
Renter occupied	93,783	●	1,422	99,034	●	1,287	**
Vacant housing units***	14,102	●	1,041	13,496	●	1,028	
Vacancy rate	6.5%	●	0.5%	6.0%	●	0.4%	
Average household size	2.17	●	0.01	2.26	●	0.01	**
Renter households paying more than 30 percent of household income on rent plus utilities	51.5%	●	1.1%	50.1%	●	1.1%	
SOCIAL							
Age 25+ with a bachelor's degree or higher	48.6%	●	0.7%	54.1%	●	0.6%	**
Foreign-born population	49,396	●	1,840	52,748	●	2,190	**
Percent foreign-born	10.9%	●	0.4%	10.7%	●	0.4%	
Age 5+ language other than English at home	65,122	●	2,335	69,376	●	2,511	**
Percent language other than English	15.2%	●	0.5%	14.9%	●	0.5%	
ECONOMIC							
Median household income (2016 dollars)	\$55,972	●	\$768	\$62,520	●	\$893	**
Per capita income (2016 dollars)	\$36,061	●	\$539	\$39,069	●	\$542	**
Percent of persons below poverty level	15.5%	●	0.6%	15.1%	●	0.5%	

* *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 at the 90 percent confidence level 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.