PORTLAND PUBLIC SCHOOLS
ENROLLMENT FORECASTS
2019-20 to 2033-34

Based on October 2018 Enrollments

APRIL 2019

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Portland State UNIVERSITY
Population Research Center

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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 2019-20 to 2033-34. 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. District population has grown even faster this decade, reaching about 505,000 by 2017.[1] By 2030, the District's population is expected to be about 550,000 in the low forecast, 566,000 in the middle forecast, and 578,000 in the high forecast.

- 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 19 percent since a 2008 peak; the 2017 birth total was the lowest since the 1980s.

- In the six year period between 2013 and 2018, the City of Portland issued building permits for about 31,000 units.

- New affordable housing projects scheduled for occupancy between 2019 and 2021 within PPS include over 700 family-size units of two or more bedrooms.

[1] The Census Bureau's Small Area Income and Poverty Estimates include a 2017 population estimate of 505,330 for Portland Public Schools. Retrieved at https://www.census.gov/programs-surveys/saipe.html.

Enrollment Trends

- In fall 2018, Portland Public Schools (PPS) enrolled 48,708 students in grades K-12, an increase of 24 students from fall 2017.

- For the 10 year period since 2008-09, PPS K-12 enrollment has grown each year, for a total increase of 3,684 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 for the second year in a row. Following a 0.6 percent drop in 2017, K-5 enrollment fell 2.2 percent in fall of 2018, by 528 students.

- The drop in K-5 enrollment is due to successively smaller incoming kindergarten classes in each of the six years since their 2012-13 peak. Fall 2018 kindergarten enrollment was the smallest since 2007-08, and was 378 students (nine percent) lower than in 2012-13.

- Enrollment in middle grades (6th-8th) reached a new peak in fall 2018. The enrollment of 10,963 in grades 6-8 was 183 students (1.7 percent) greater than enrollment in fall 2017, and was the largest in 15 years.

- Enrollment in high school grades (9th-12th) has grown in each of the last five years, adding 1,208 students between fall 2013 and fall 2018. The fall 2018 enrollment of 13,792 is the largest in 12 years.

- The largest decline between 2013-14 and 2018-19 in the number of K-5th grade residents occurred in the Roosevelt high school cluster (HSCL), with a net loss of 328 (14 percent). All other HSCLs also lost K-5 residents, with the exceptions of Grant, Jefferson/Madison, and Wilson, which had the largest growth of 458 K-5th grade residents (16 percent).

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 series, K-12 enrollment increases by nearly 800 students during the first three years of the forecast until 2021-22, then declines by over 1,400 students in the following seven years, reaching a low of 48,040 in 2028-29. Enrollment growth after 2028-29 results in a total net gain of 526 students in 2033-34 compared with 2018-19.

- Elementary enrollment declines by 1,536 students during the first eight years of the middle series due to the local, state, and national birth downturn. However, by 2033-34 K-5th enrollment is 792 students larger than in 2018-19.

- Secondary enrollments increase initially in the middle series, reflecting the larger cohorts now in upper elementary grades. However, 6th-8th grade enrollment declines for several years starting in 2021-22 leading to 436 fewer students in 2033-34 than 2018-19. High school enrollments begin to decline in 2025-26 but remain 170 students higher in 2033-34 compared with 2018-19.

- In the low series, K-12 enrollment falls by 1,355, reaching 47,354 in 2033-34.

- Elementary enrollment declines during the first nine years of the low forecast, amounting to a loss of about 2,200 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 series, K-12 enrollment grows by 2,561, reaching 51,270 in 2033-34.

- K-5 enrollment initially declines but ultimately gains 1,741 over the 15 year high forecast. Grades 6-8 experience a negligible loss of 3 students between 2018-19 and 2033-34. In spite of losing enrollment in the last five years of the forecast, grades 9-12 gain 824 additional students by 2033-34 compared with 2018-19.

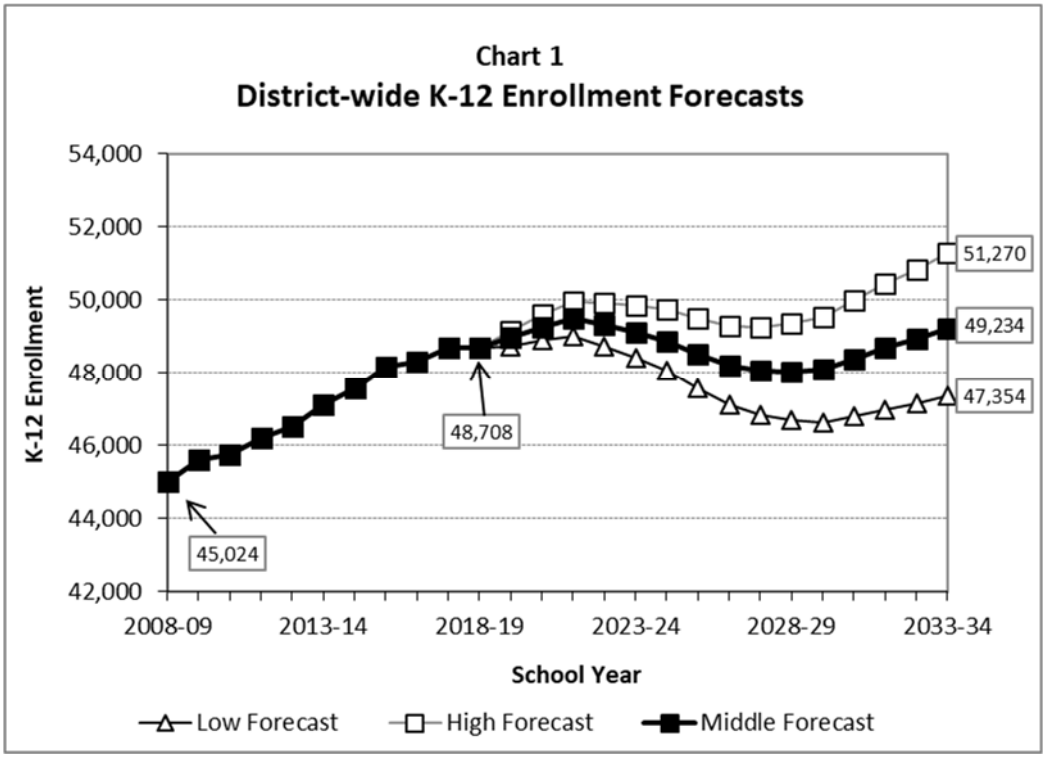
Table 1 shows recent and forecast enrollments by five year intervals. Chart 1 depicts annual K-12 enrollment since 2008-09 and forecasts through 2033-34. The same time span is depicted in charts for K-5th grade (Chart 2), 6th-8th grade (Chart 3), and 9th-12th grade (Chart 4).

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		
	2013-14	**2018-19**	**2023-24**	**2028-29**	**2033-34**
Middle Series	47,127	48,708	49,114	48,040	49,234
5 year change		*1,581*	*406*	*-1,074*	*1,194*
Low Series	47,127	48,708	48,396	46,694	47,354
5 year change		*1,581*	*-312*	*-1,702*	*660*
High Series	47,127	48,708	49,850	49,348	51,270
5 year change		*1,581*	*1,142*	*-502*	*1,922*

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



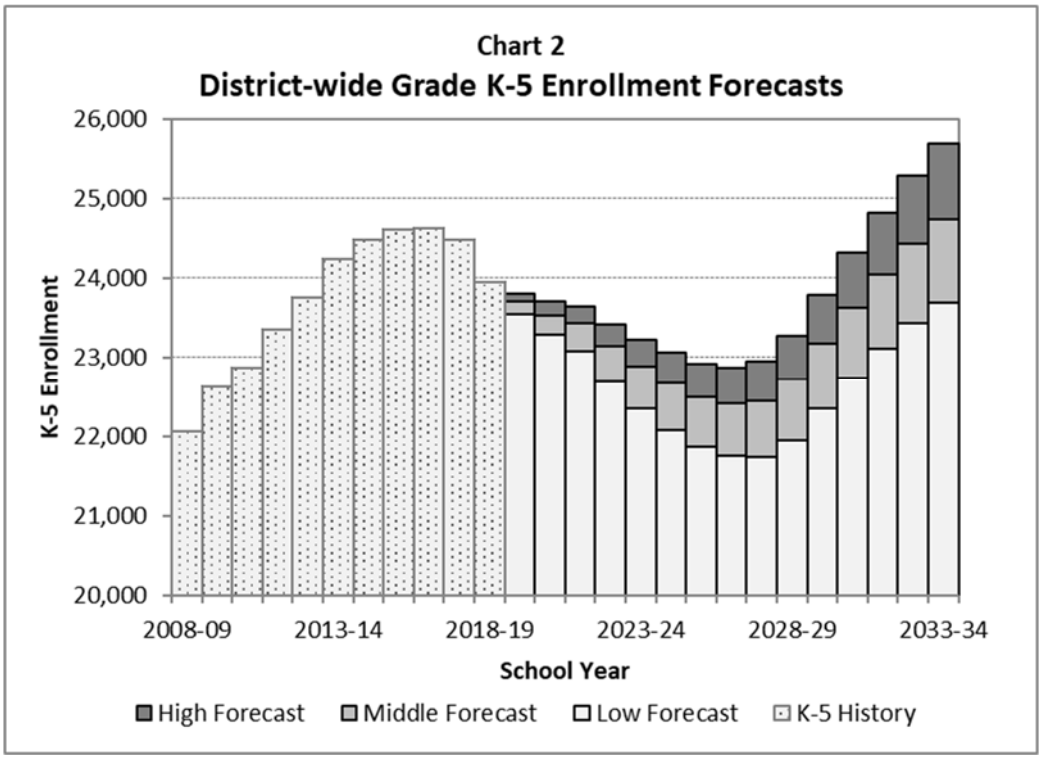


Chart 2
District-wide Grade K-5 Enrollment Forecasts
26,000
25,000
24,000
23,000
22,000
21,000
20,000
K-5 Enrollment
2008-09
2013-14
2018-19
2023-24
2028-29
2033-34
School Year
High Forecast
Middle Forecast
Low Forecast
K-5 History

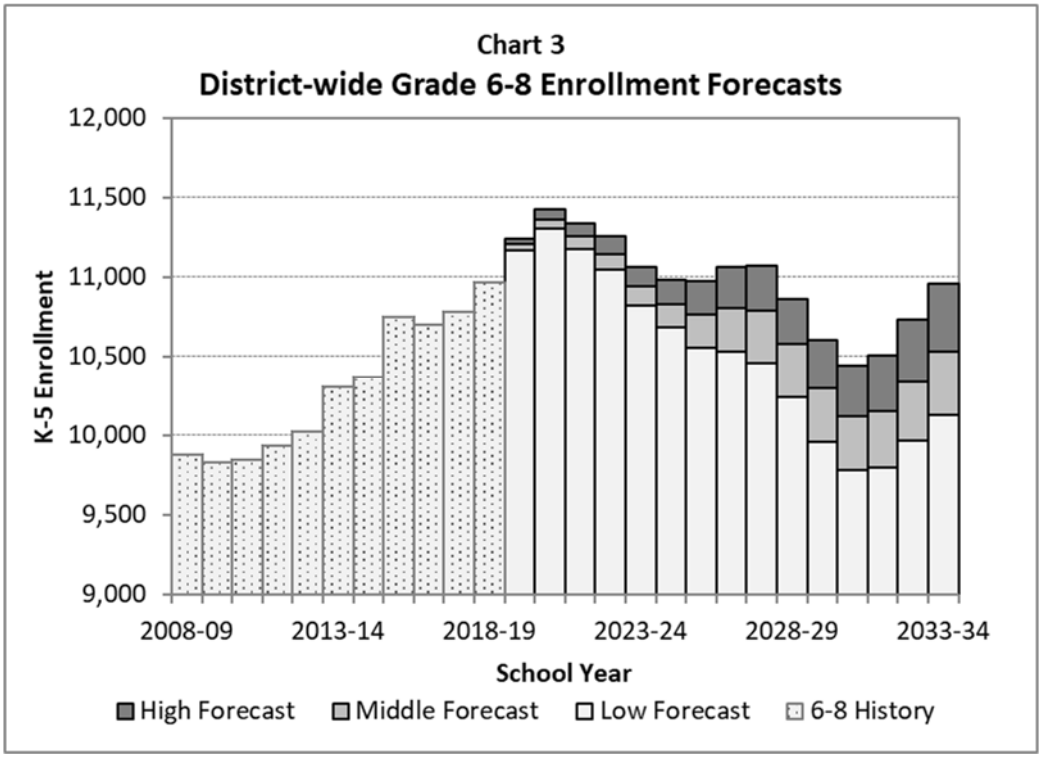


Chart 3
District-wide Grade 6-8 Enrollment Forecasts
12,000
11,500
11,000
10,500
10,000
9,500
9,000
K-5 Enrollment
2008-09
2013-14
2018-19
2023-24
2028-29
2033-34
School Year
High Forecast
Middle Forecast
Low Forecast
6-8 History

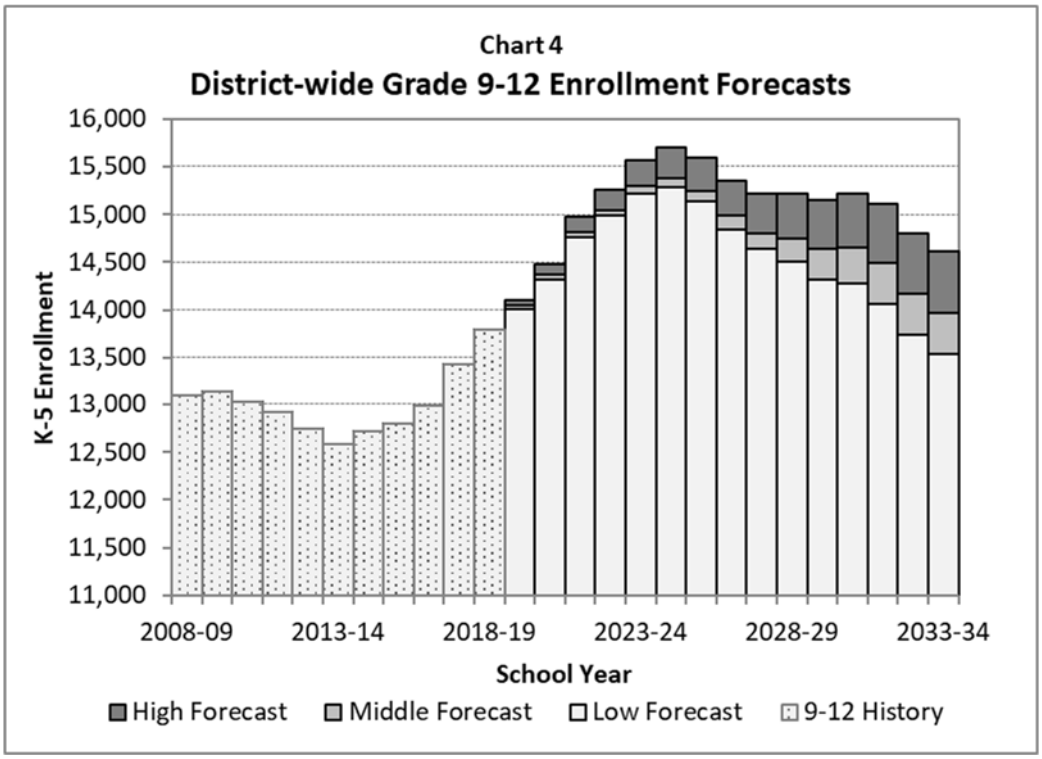


Chart 4
District-wide Grade 9-12 Enrollment Forecasts
16,000
15,500
15,000
14,500
14,000
13,500
13,000
12,500
12,000
11,500
11,000
K-5 Enrollment
2008-09
2013-14
2018-19
2023-24
2028-29
2033-34
School Year
High Forecast
Middle Forecast
Low Forecast
9-12 History

INTRODUCTION

The Population Research Center (PRC) at Portland State University has prepared enrollment forecasts for Portland Public Schools (PPS) in each of the past 20 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 and high school clusters by school level (K-5, 6-8, 9-12) for the 2019-20 to 2033-34 school years and PPS enrollment by attendance area of residence and by individual school attending for the 2019-20 to 2023-24 school years.

Primary data sources used to prepare these forecasts include historic PPS enrollments through 2018-19, U.S. Census Bureau 2000 and 2010 Decennial Censuses and 2013 to 2017 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. 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

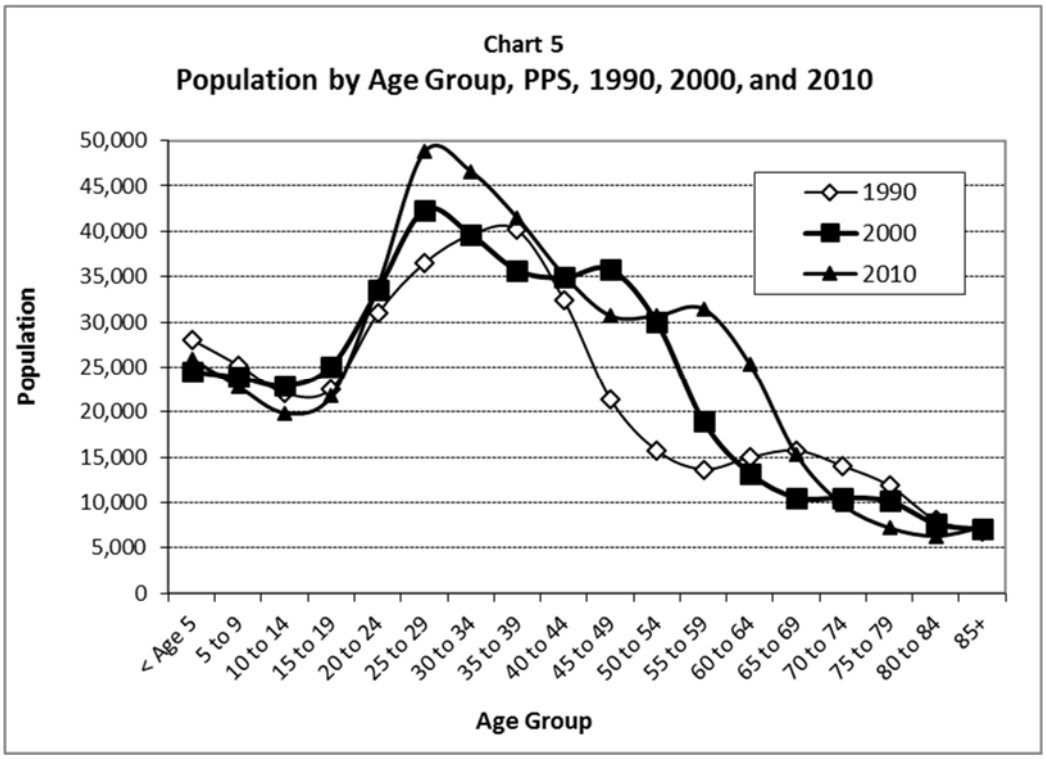
During the decade between 2000 and 2010, population within PPS grew by about 34,000, from 426,110 persons to 460,248. Growth has accelerated in the current decade; it is estimated that the District grew by around 44,000 residents between 2010 and 2017[2]. While the District's average annual growth rate (AAGR) of 0.8 percent between 2000 and 2010 fell below the metro area's 1.4 percent AAGR, the District's estimated 1.3 percent AAGR between 2010 and 2017 matched 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 population under age five between 2000 and 2010 foretold subsequent 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 both 2000 and 2010, 25 to 34 year-olds constituted the two largest age groups. In 2010 age 25 to 34 population of about 82,000 accounted 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 group 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.

[2] The Census Bureau's Small Area Income and Poverty Estimates include a 2010 population estimate of 461,591 and a 2017 population estimate of 505,330 for Portland Public Schools. Retrieved at https://www.census.gov/programs-surveys/saipe.html.

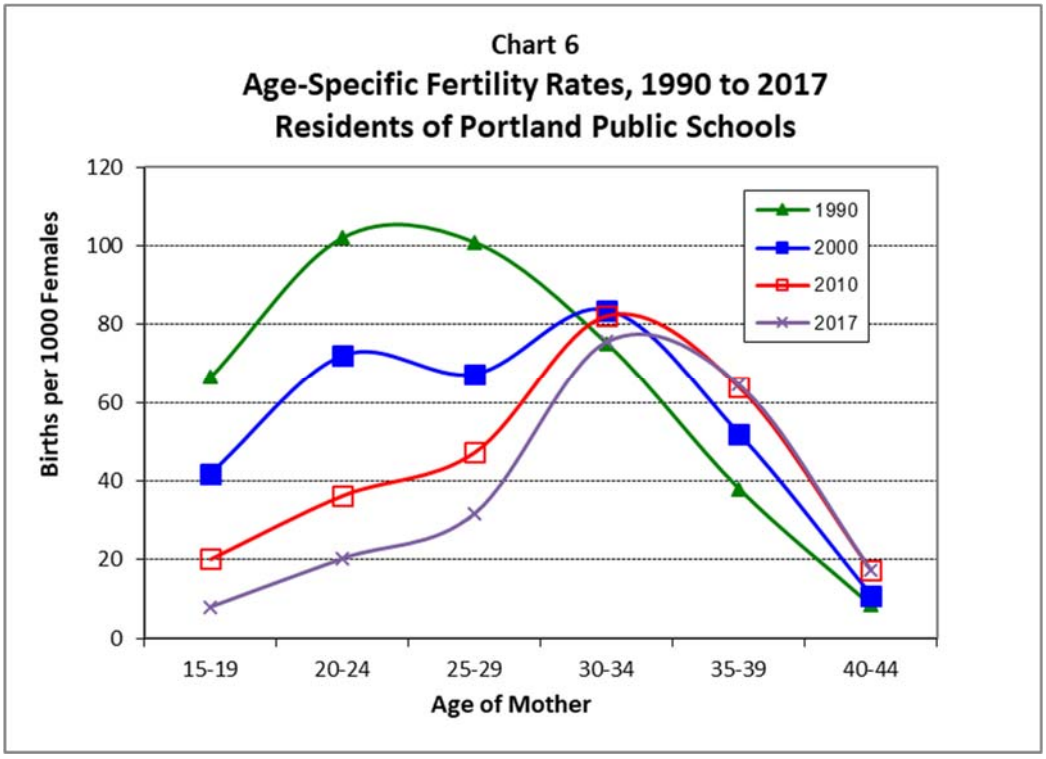


Births

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 are expressed as the number of births per 1,000 women in each age group. Rates for 1990, 2000, and 2010 are calculated using calendar year births to PPS residents and population counts by age group from each decennial census. 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 435 in 2017. The 2017 line in Chart 6 based on observed births and estimated population by age group shows lower rates than in 2010 for all age groups 34 and under.

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 between 1990 and 2010 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 annual number of births has declined, most notably in 2017. Annual births over a 17 year period are shown in Chart 7. There were 19 percent fewer births to PPS residents in 2017 compared with the 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.

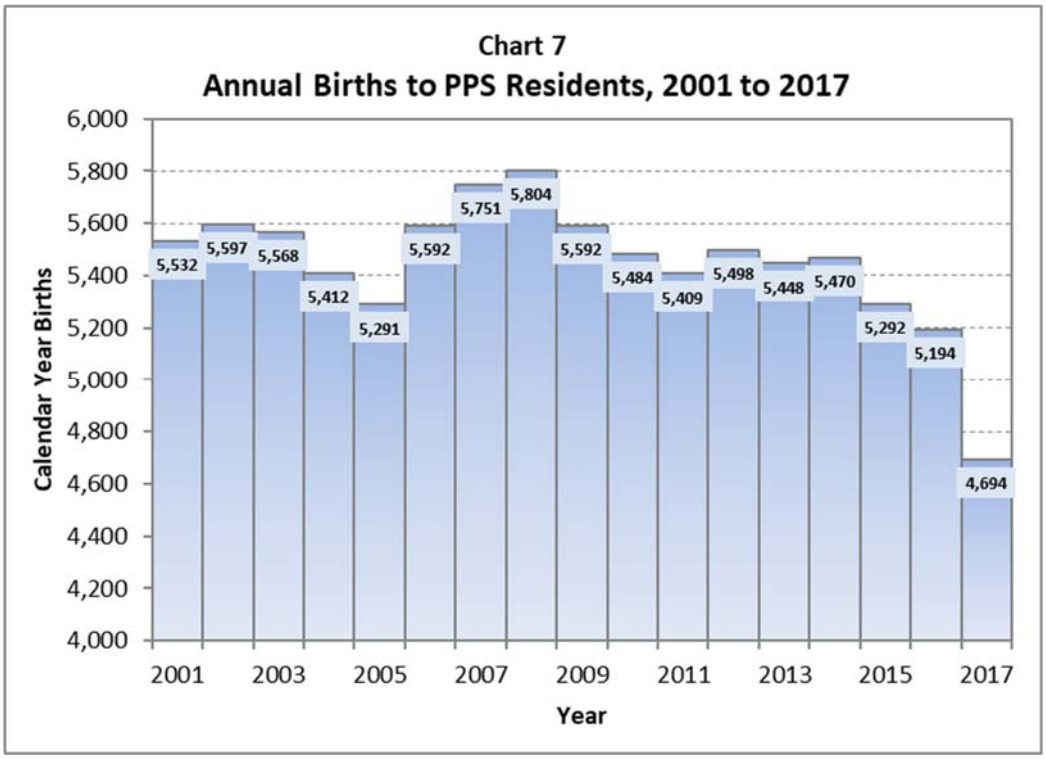


Table 2
Births by High School Cluster

HS Cluster[1]	Five Year Period 2003-07	2008-12	2013-17	2003-07 to 2008-12 change	2008-12 to 2013-17 change
Cleveland	4,125	4,104	3,778	0%	-8%
Franklin	4,832	4,814	4,554	0%	-5%
Grant	1,398	1,141	951	-18%	-17%
Jeff-Grant[2]	2,147	1,920	1,782	-11%	-7%
Jeff-Madison[2]	1,291	1,362	1,277	6%	-6%
Jeff-Roosevelt[2]	2,316	2,453	2,286	6%	-7%
Lincoln	2,048	2,147	2,194	5%	2%
Madison	3,763	3,796	3,372	1%	-11%
Roosevelt	2,368	2,620	2,308	11%	-12%
Wilson	3,323	3,424	3,591	3%	5%
PPS District Total	**27,611**	**27,780**	**26,093**	**1%**	**-6%**

1. High school cluster boundaries in 2019-20.
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.

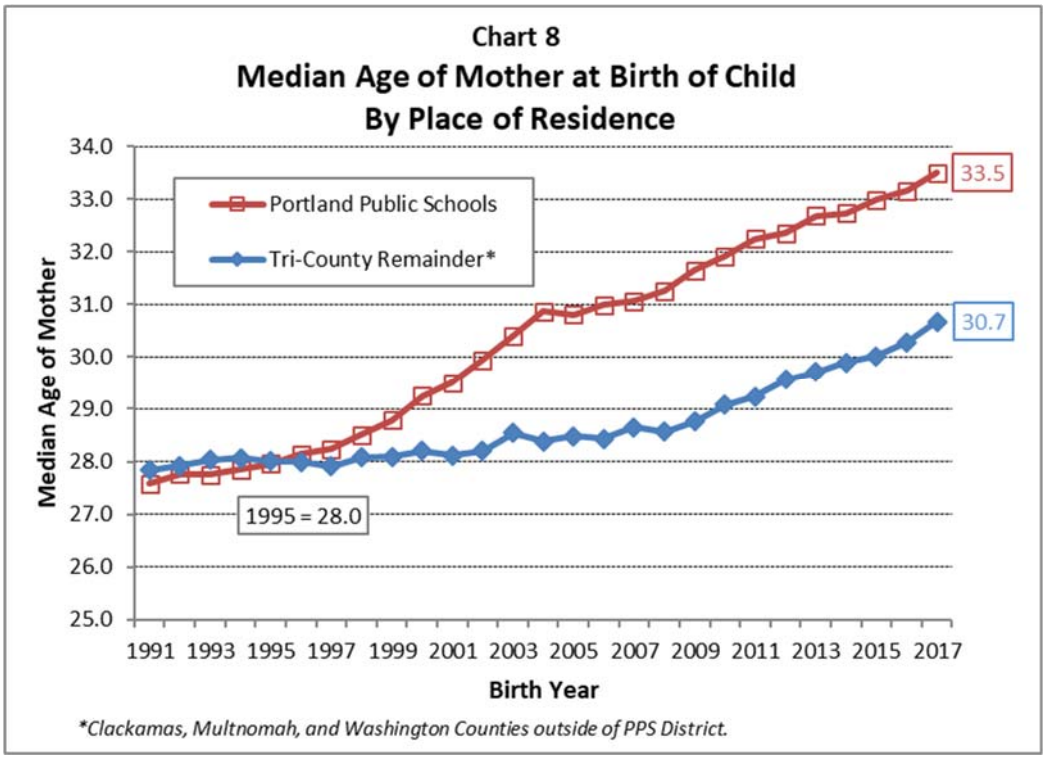
If no one moved into or out of the District, and all kindergarten-age residents attended PPS kindergartens, kindergarten enrollment trends would perfectly reflect cohort birth trends. In fact, the fall 2012 peak in kindergarten enrollment aligned with the District's peak September to August

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 nine percent, exceeding the five 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.[3] By 2017, median age for PPS residents giving birth had risen by five and a half years to 33.5, while median age in suburban areas increased less than three years, to 30.7 (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 15 percent of PPS residents in their 40s.[4]

[3] Clackamas, Multnomah, and Washington counties excluding PPS area.

[4] U.S. Census Bureau, 2013-2017 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 2013 and 2018, the City of Portland issued building permits for about 31,000 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, 2016, 2017, and 2018, permits were issued for over 2,600 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 from 2016 to 2018. 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, 2001 to 2018

Single Family Units by Year Permit Issued

HS Cluster[1]	2001 to 2006	2007 to 2012	*2013*	*2014*	*2015*	*2016*	*2017*	*2018*	2013 to 2018
Cleveland	671	463	*136*	*162*	*163*	*191*	*165*	*121*	938
Franklin	670	530	*143*	*154*	*131*	*154*	*172*	*172*	926
Grant	31	60	*27*	*29*	*24*	*26*	*26*	*22*	154
Jeff-Grant[2]	200	251	*52*	*85*	*97*	*118*	*75*	*62*	489
Jeff-Madison[2]	267	175	*32*	*44*	*50*	*56*	*34*	*45*	261
Jeff-Roosevelt[2]	396	313	*81*	*73*	*87*	*105*	*96*	*105*	547
Lincoln	740	168	*47*	*37*	*38*	*39*	*35*	*26*	222
Madison	547	365	*30*	*52*	*93*	*84*	*105*	*101*	465
Roosevelt	745	334	*77*	*69*	*74*	*56*	*96*	*61*	433
Wilson	769	381	*70*	*98*	*113*	*121*	*88*	*62*	552
PPS Total	**5,036**	**3,040**	***695***	***803***	***870***	***950***	***892***	***777***	**4,987**

Multiple Family Units by Year Permit Issued[3]

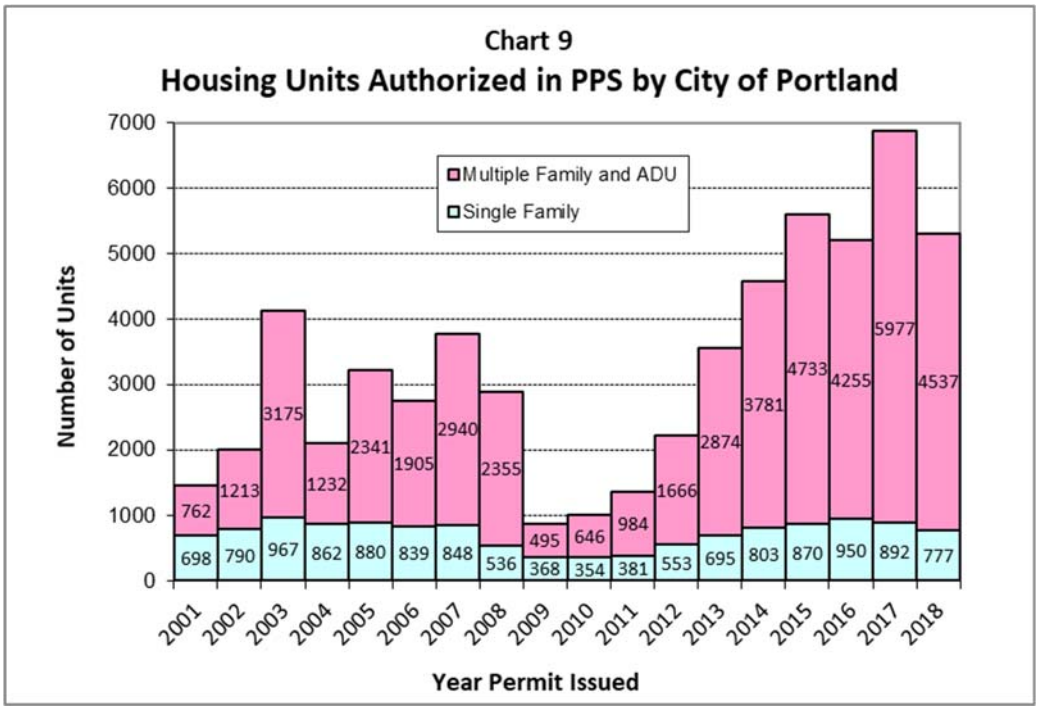
HS Cluster[1]	2001 to 2006	2007 to 2012	*2013*	*2014*	*2015*	*2016*	*2017*	*2018*	2013 to 2018
Cleveland	695	901	*784*	*1,110*	*1,144*	*981*	*1,834*	*1,402*	7,255
Franklin	503	285	*318*	*132*	*284*	*669*	*538*	*416*	2,357
Grant	101	177	*288*	*103*	*8*	*238*	*169*	*49*	855
Jeff-Grant[2]	149	840	*395*	*327*	*494*	*492*	*648*	*233*	2,589
Jeff-Madison[2]	258	226	*106*	*156*	*61*	*181*	*365*	*72*	941
Jeff-Roosevelt[2]	168	459	*141*	*184*	*167*	*230*	*363*	*211*	1,296
Lincoln	5,891	3,996	*432*	*1,456*	*1,721*	*1,098*	*1,860*	*1,611*	8,178
Madison	710	257	*7*	*11*	*32*	*35*	*61*	*192*	338
Roosevelt	931	339	*249*	*36*	*37*	*166*	*109*	*60*	657
Wilson	1,222	1,606	*154*	*266*	*785*	*165*	*30*	*291*	1,691
PPS Total	**10,628**	**9,086**	***2,874***	***3,781***	***4,733***	***4,255***	***5,977***	***4,537***	**26,157**

1. Data for all years shown for 2019-20 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.[5] Most of the new housing within PPS is in market-rate rental units, including many studio and one bedroom units which are much less likely to be home to families with school-age children. However, 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. In November 2016, Portland voters passed a 258.4 million dollar general obligation bond for affordable housing. Furthermore, 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.[6]

[5] See "Portland Public Schools Enrollment Forecasts 2017-18 to 2031-32," page 17. https://pdxscholar.library.pdx.edu/enrollmentforecasts/118/.

[6] 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.[7] 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 April 2019 including over 700 family-size units of two or more bedrooms are listed in Table 4 by elementary attendance area.

[7] 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 Housing under Development within PPS, April 2018[1]

Elementary Area	Name	Total Units[2]	Affordable Units with 2+ BRs		April 2019 status	Expected Completion
			2 BR	3 BR[3]		
Ainsworth	The Vera	203	47	5	Under construction	July 2019
Arleta	72Foster	101	12	9	Completed	April 2019
Beach	5020 Condos	50	22	19	Planned	Summer 2020
Boise-Eliot-Humboldt	North Williams Center	61	34	18	Under construction	May 2020
Boise-Eliot-Humboldt	The Beatrice Morrow	80	32	12	Completed	Nov 2018
Boise-Eliot-Humboldt	Magnolia 2	50	TBD	TBD	Under construction	2020
Bridger	Orchards of 82nd	48	11	3	Completed	February 2019
Buckman	Block 45	240	43	0	Under construction	October 2019
Chapman	ART Tower	314	0	14	Under review	TBD
Chapman	1715 SW Salmon	182	10	0	Under review	TBD
Chapman	Vibrant!	93	32	32	Completed	March 2019
Chief Joseph	Charlotte Rutherford Place	51	17	0	Nearing completion	Sept 2018
Grout	3000 SE Powell Blvd	175	TBD	TBD	Planned	TBD
Kelly	Oliver Station	145	78	0	Nearing completion	July 2018
Lent	Woody Guthrie Place	64	15	9	Under construction	Summer 2019
Peninsula	Argyle	189	47	18	Under construction	Summer 2020
Rigler	5827 NE Prescott	TBD	TBD	TBD	Land acquired	TBD
Rigler	Nesika Illahee	59	9	7	Permitted	Nov 2019
Rigler	Las Adelitas	141	71	26	Planned	TBD
Woodlawn	King Parks	70	38	12	Under construction	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.

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

ENROLLMENT TRENDS

In fall 2018, Portland Public Schools (PPS) enrolled 48,708 students in grades K-12, an increase of 24 students from fall 2017. This is the tenth consecutive year of enrollment growth, following 12 consecutive years of enrollment losses that occurred between 1996-97 and 2008-09. For the ten year period since 2008-09, PPS K-12 enrollment has grown by 3,684 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 for the second year in a row. Following a 0.6 percent drop in 2017, K-5 enrollment fell 2.2 percent in fall of 2018, by 528 students. The drop in K-5 enrollment is due primarily to successively smaller incoming kindergarten classes in each of the six years since their 2012-13 peak. Fall 2018 kindergarten enrollment was the smallest since 2007-08, and was 378 students (nine percent) lower than in 2012-13. However, the elementary grades overall have added 1,900 students (nine percent) in the last ten years.

Enrollment in middle grades (6th-8th) reached a new peak in fall 2018. The enrollment of 10,963 in grades 6-8 was 183 students (1.7 percent) greater than enrollment in fall 2017, and was the largest in 15 years. Overall, middle grades have added 1,083 students (11 percent) in the last ten years, with over half of that growth occurring in 2013-14 and 2015-16.

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 five following years, adding 1,208 students between fall 2013 and fall 2018. The fall 2018 enrollment of 13,792 is the largest in 12 years.

On the next page, Table 5 summarizes the K-12 enrollment history for the District by grade level annually from 2008-09 to 2018-19.[8]

[8] The "total" row in Table 5 differs from the district-wide totals published by PPS because Table 5 shows K-12 figures only; it does not include pre-kindergarten enrollment.

Table 5
Portland Public Schools, Historic K-12 Enrollment, 2008-09 to 2018-19

Grade	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
K	3,951	4,073	3,995	4,064	4,277	4,244	4,127	4,097	4,073	3,948	3,899
1	3,825	4,007	4,091	4,037	4,146	4,369	4,302	4,266	4,141	4,106	3,916
2	3,739	3,782	3,894	4,029	3,937	4,082	4,287	4,256	4,211	4,070	4,040
3	3,598	3,730	3,727	3,898	3,918	3,864	4,041	4,233	4,160	4,133	4,011
4	3,528	3,542	3,682	3,721	3,813	3,906	3,864	3,983	4,128	4,137	4,051
5	3,412	3,496	3,479	3,597	3,660	3,775	3,865	3,772	3,916	4,087	4,036
6	3,250	3,318	3,354	3,396	3,467	3,547	3,594	3,722	3,568	3,704	3,844
7	3,295	3,254	3,299	3,310	3,336	3,407	3,428	3,601	3,605	3,523	3,619
8	3,335	3,253	3,192	3,230	3,217	3,349	3,349	3,424	3,523	3,553	3,500
9	3,147	3,349	3,176	3,082	3,065	3,057	3,137	3,259	3,240	3,344	3,500
10	3,316	3,121	3,339	3,256	3,111	3,055	3,090	3,131	3,203	3,228	3,354
11	3,244	3,165	3,026	3,181	3,090	2,990	2,946	2,981	3,102	3,220	3,234
12	3,384	3,502	3,487	3,405	3,480	3,482	3,549	3,427	3,439	3,631	3,704
Total	**45,024**	**45,592**	**45,741**	**46,206**	**46,517**	**47,127**	**47,579**	**48,152**	**48,309**	**48,684**	**48,708**
Annual change		*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%*	*24* *0.0%*
K-5	22,053	22,630	22,868	23,346	23,751	24,240	24,486	24,607	24,629	24,481	23,953
6-8	9,880	9,825	9,845	9,936	10,020	10,303	10,371	10,747	10,696	10,780	10,963
9-12	13,091	13,137	13,028	12,924	12,746	12,584	12,722	12,798	12,984	13,423	13,792

	5 Year Change: 2008-09 to 2013-14		**5 Year Change: 2013-14 to 2018-19**		**10 Year Change: 2008-09 to 2018-19**	
	Change	**Pct.**	**Change**	**Pct.**	**Change**	**Pct.**
K-5	2,187	*10%*	-287	*-1%*	1,900	*9%*
6-8	423	*4%*	660	*6%*	1,083	*11%*
9-12	-507	*-4%*	1,208	*10%*	701	*5%*
Total	**2,103**	***5%***	**1,581**	***3%***	**3,684**	***8%***

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. 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 Enrollment[1]

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**
Capture Rate, 1999-2000[5]	*84.5%*	*84.9%*	*85.5%*	*81.9%*	***84.0%***
2009-2010 Enrollment	11,576	10,472	9,601	12,738	**44,387**
Capture Rate, 2009-2010[6]	*83.8%*	*82.8%*	*81.4%*	*78.8%*	***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.

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 2013 and 2017, is that 16.2% (+/- 1.5%) of PPS residents enrolled in grades K-12 were enrolled in private schools. Compared with seven years earlier, 2006 to 2010, the number of K-12 students increased in both public and private schools and the 18.9 percent private share for 9th-12th grade students represents a statistically significant increase at the 95 percent confidence level. The change in private share among K-8 students was not statistically significant. 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 & 2013-2017

	2006-10		2013-17	
	estimate	**MOE***	**estimate**	**MOE***
Enrolled in K-12th grade	53,880	*+/-1,393*	56,499	*+/-1,386*
Public Schools	45,853	*+/-1,344*	47,342	*+/-1,488*
Private Schools	8,027	*+/-565*	9,157	*+/-836*
Private Share	*14.9%*	*+/- 1.1%*	*16.2%*	*+/- 1.5%*
Enrolled in K-8th grade	37,107	*+/-1,152*	40,623	*+/-1,164*
Public Schools	31,327	*+/-1,091*	34,461	*+/-1,152*
Private Schools	5,780	*+/-475*	6,162	*+/-531*
Private Share	*15.6%*	*+/- 1.4%*	*15.2%*	*+/- 1.4%*
Enrolled in 9th-12th grade	16,773	*+/-784*	15,876	*+/-713*
Public Schools	14,526	*+/-784*	12,881	*+/-651*
Private Schools	2,247	*+/-305*	2,995	*+/-381*
Private Share	*13.4%*	*+/- 1.9%*	*18.9%*	*+/- 2.2%*

**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. Faubion, split between the Jefferson-Madison and Jefferson-Roosevelt HSAAs, is included in the Jefferson-Madison HSCL. Bridlemile, split between the Lincoln and Wilson HSAAs, is included in the Wilson cluster. A list of ESAAs by HSCL is provided in Appendix D of this report.

District-wide K-12 enrollment has increased by 3.4 percent between 2013-14 and 2018-19, 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, one year later, most of the HSCLs were home to fewer PPS K-5th grade students in 2018-19 than five years ago in 2013-14. The largest decline in the number of K-5th grade residents occurred in the Roosevelt high school cluster (HSCL), with a net loss of 328 (14 percent). All other HSCLs also lost K-5 residents, with the exceptions of Grant, Jefferson/Madison, and Wilson, which had the largest growth of 458 K-5th grade residents (16 percent).

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

HS Cluster (2018-19)[1]	Grades	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	5 year change	
								Number	Percent
Cleveland	K-5	3,625	3,593	3,619	3,664	3,638	3,554	-71	*-2%*
	6-8	1,501	1,554	1,626	1,628	1,646	1,650	149	*10%*
	9-12	1,713	1,782	1,834	1,867	1,898	1,958	245	*14%*
	Total	**6,839**	**6,929**	**7,079**	**7,159**	**7,182**	**7,162**	**323**	***5%***
Franklin	K-5	4,150	4,102	4,072	4,015	4,023	3,963	-187	*-5%*
	6-8	1,772	1,709	1,799	1,814	1,825	1,869	97	*5%*
	9-12	1,988	2,060	2,052	2,115	2,194	2,311	323	*16%*
	Total	**7,910**	**7,871**	**7,923**	**7,944**	**8,042**	**8,143**	**233**	***3%***
Grant	K-5	1,610	1,654	1,656	1,641	1,659	1,671	61	*4%*
	6-8	708	710	744	788	798	801	93	*13%*
	9-12	740	755	766	783	813	879	139	*19%*
	Total	**3,058**	**3,119**	**3,166**	**3,212**	**3,270**	**3,351**	**293**	***10%***
Jefferson/ Grant	K-5	1,608	1,639	1,718	1,636	1,608	1,518	-90	*-6%*
	6-8	654	650	673	683	687	699	45	*7%*
	9-12	881	910	855	839	864	871	-10	*-1%*
	Total	**3,143**	**3,199**	**3,246**	**3,158**	**3,159**	**3,088**	**-55**	***-2%***
Jefferson/ Madison	K-5	907	946	959	950	1,047	1,047	140	*15%*
	6-8	357	348	329	370	389	390	33	*9%*
	9-12	432	437	425	413	412	427	-5	*-1%*
	Total	**1,696**	**1,731**	**1,713**	**1,733**	**1,848**	**1,864**	**168**	***10%***
Jefferson/ Roosevelt	K-5	1,718	1,754	1,694	1,673	1,664	1,638	-80	*-5%*
	6-8	637	626	646	668	667	662	25	*4%*
	9-12	787	748	724	700	750	772	-15	*-2%*
	Total	**3,142**	**3,128**	**3,064**	**3,041**	**3,081**	**3,072**	**-70**	***-2%***
Lincoln	K-5	1,725	1,804	1,769	1,763	1,741	1,678	-47	*-3%*
	6-8	770	841	875	866	880	854	84	*11%*
	9-12	1,193	1,227	1,339	1,329	1,398	1,399	206	*17%*
	Total	**3,688**	**3,872**	**3,983**	**3,958**	**4,019**	**3,931**	**243**	***7%***
Madison	K-5	3,163	3,162	3,113	3,108	3,039	2,905	-258	*-8%*
	6-8	1,396	1,403	1,420	1,341	1,295	1,362	-34	*-2%*
	9-12	1,625	1,608	1,602	1,556	1,639	1,678	53	*3%*
	Total	**6,184**	**6,173**	**6,135**	**6,005**	**5,973**	**5,945**	**-239**	***-4%***
Roosevelt	K-5	2,326	2,270	2,277	2,179	2,043	1,998	-328	*-14%*
	6-8	905	873	885	896	920	939	34	*4%*
	9-12	1,150	1,103	1,098	1,080	1,075	1,110	-40	*-3%*
	Total	**4,381**	**4,246**	**4,260**	**4,155**	**4,038**	**4,047**	**-334**	***-8%***

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	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	5 year change	
								Number	Percent
Wilson	K-5	2,874	3,002	3,106	3,322	3,350	3,332	458	*16%*
	6-8	1,402	1,437	1,528	1,434	1,453	1,503	101	*7%*
	9-12	1,688	1,715	1,761	1,880	1,938	1,966	278	*16%*
	Total	**5,964**	**6,154**	**6,395**	**6,636**	**6,741**	**6,801**	**837**	***14%***
Out of District	K-5	534	560	624	678	669	649	115	*22%*
	6-8	201	220	222	208	220	234	33	*16%*
	9-12	387	377	342	422	442	421	34	*9%*
	Total	**1,122**	**1,157**	**1,188**	**1,308**	**1,331**	**1,304**	**182**	***16%***
PPS District Totals	K-5	24,240	24,486	24,607	24,629	24,481	23,953	-287	*-1%*
	6-8	10,303	10,371	10,747	10,696	10,780	10,963	660	*6%*
	9-12	12,584	12,722	12,798	12,984	13,423	13,792	1,208	*10%*
	Total	**47,127**	**47,579**	**48,152**	**48,309**	**48,684**	**48,708**	**1,581**	***3%***

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 younger people 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 2017, 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; we estimate that the TFR decreased from 1.34 in 2010 to 1.09 in 2017. Fertility rates are forecast to rebound slightly, resulting in a TFR of 1.16 in 2025 and beyond.

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. Capture rates for District residents are assumed to be near 0.82 for kindergarten and 0.83 for first grade 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.

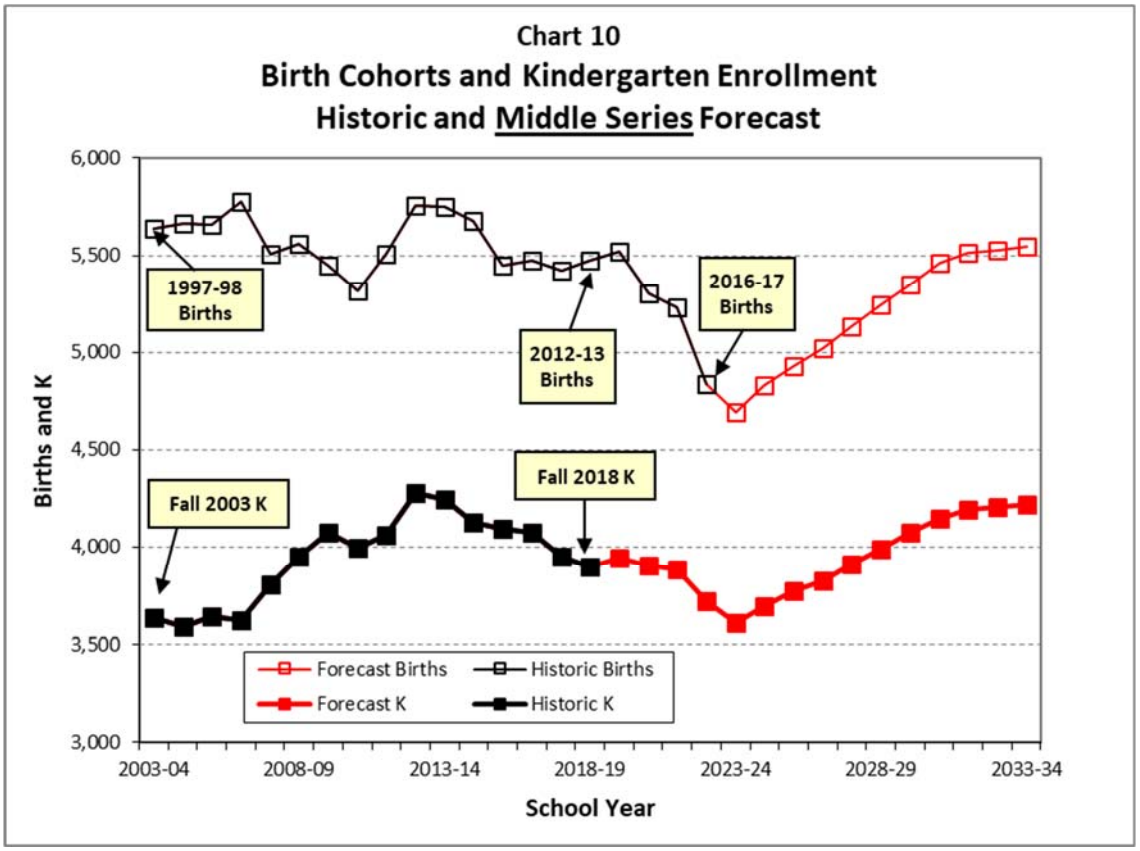
Grade Progression Model for PPS Students Residing Outside of the District.

To derive the total district-wide enrollment, it is necessary to include non-residents, who comprise 2.7 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.

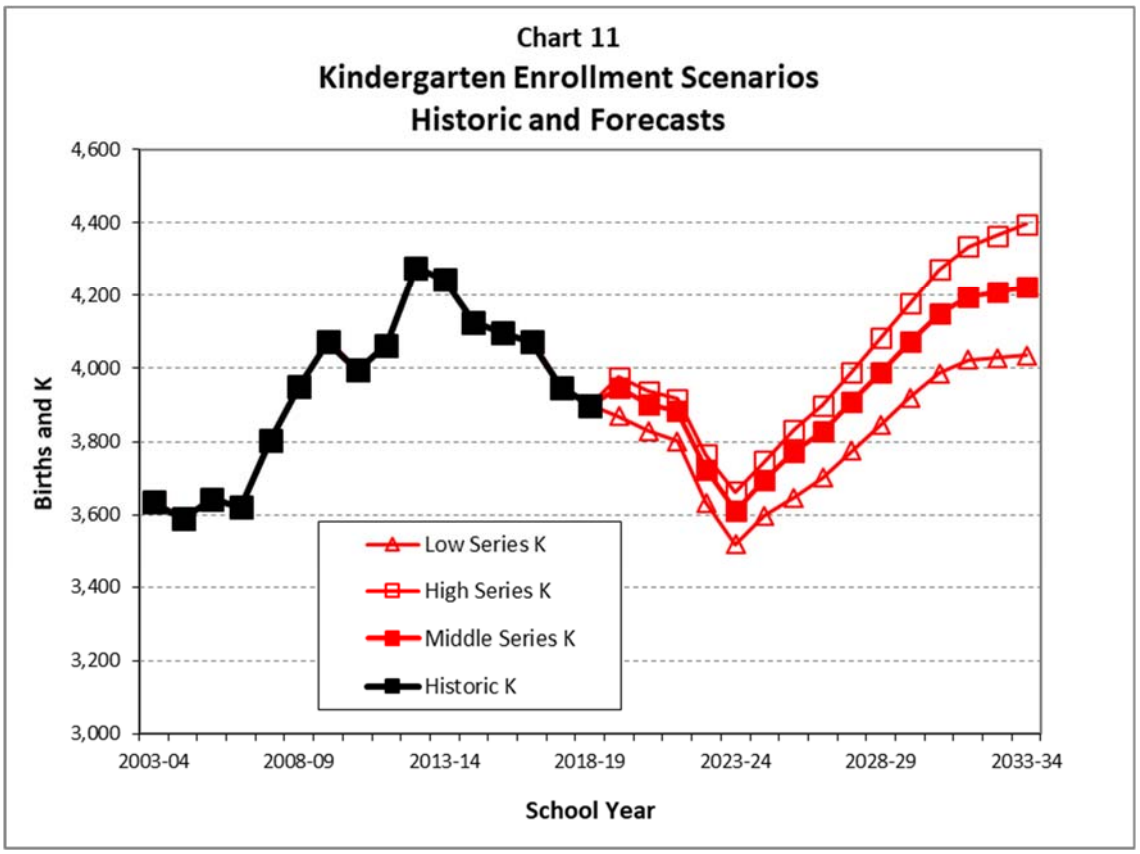
The number of out-of-district PPS kindergarten students is held constant at the 2018-19 level. For each grade from 1 to 12, the model incorporates recent GPRs for PPS students residing out of the district by grade level. In order to determine the GPRs for the future, weighted averages of the ratios for 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. From 2009-10 to 2016-17 the ratio of kindergarten to corresponding births was relatively stable in the range of 0.74 to 0.75. However, the ratio fell to 0.73 in fall 2017 (compared to 2011-12 births) and 0.71 comparing the recent fall 2018 kindergarten enrollment to 2012-13 births. Decomposing the 378 student decline in kindergarten enrollment between fall 2012 and fall 2018, we find that a decline in cohort births accounts for a loss of 210 students and the lower ratio of kindergarten to births accounts for an additional 168 student loss.



The enrollment models do not explicitly use the kindergarten to birth ratio; capture rates and net migration drive the kindergarten forecasts. Ratios derived from the kindergarten forecasts and observed and predicted births are expected to increase to 0.76 by 2022-23 and remain at this rate through 2033-34 in the middle series forecast. The higher ratio is due to expected population growth and a smaller net outflow of young children. Chart 11 depicts kindergarten enrollment under all three forecast scenarios.

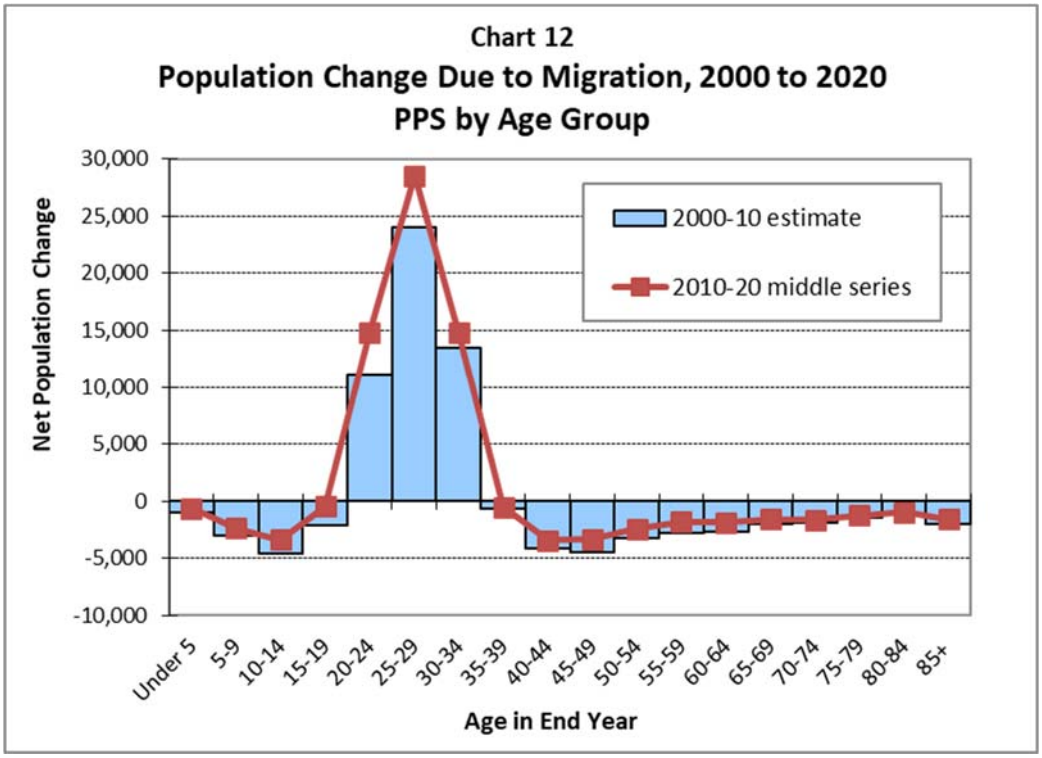


The differences between the three scenarios are the result of different assumptions about the levels of net migration (the net movement into and out of the District). Assumptions about mortality, fertility, and capture rates during the 15 year forecast horizon do not vary between the three scenarios. As described in an earlier section of this report, the number of births to PPS residents have recently declined sharply. The models use actual births through 2017 and preliminary birth estimates for 2018; continued declines or a greater than expected rebound in births could impact enrollments beginning with the 2024-25 kindergarten class. Changes in capture rates may occur based on the cumulative impact of individual families choosing whether to enroll in District schools or alternatives including private schools. While fertility and capture

rates influence enrollment trends, we choose migration rates to differentiate the scenarios because they are closely related to household growth and the supply and demand of housing within PPS.

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.



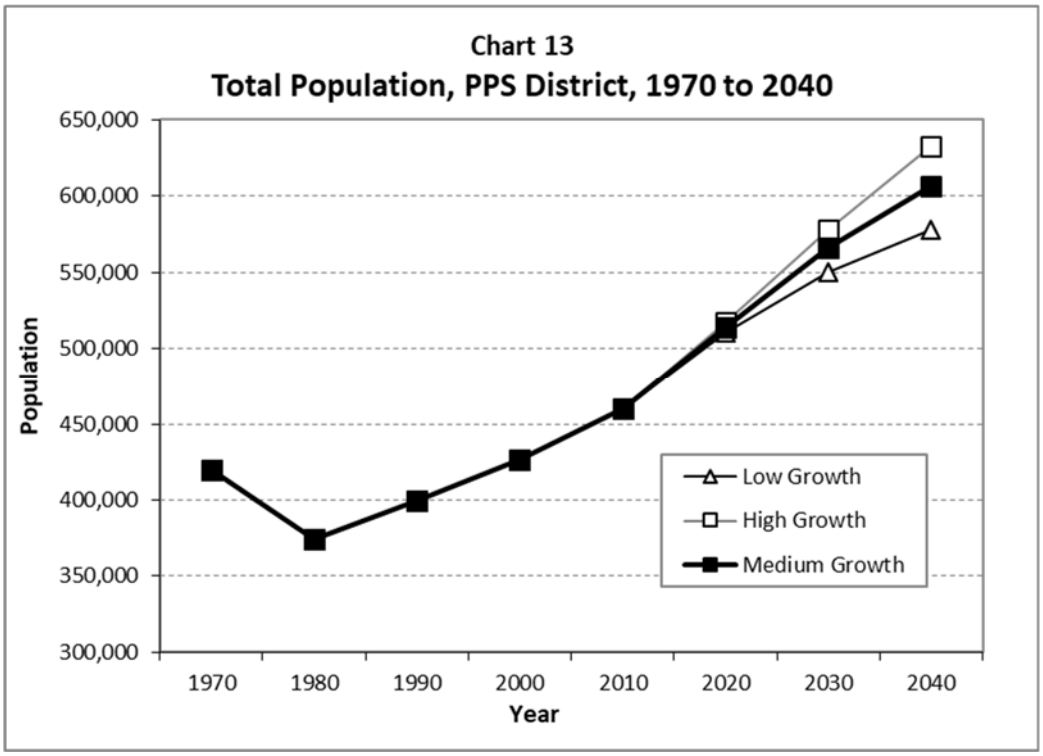
Total population growth in the middle series increases from 34,000 (eight percent) observed in the 2000s to 54,000 (12 percent) in the 2010s, 51,600 (10 percent) in the 2020s, and 40,700 (seven

percent) in the 2030s. Total births increase each decade of the forecast, but total deaths increase faster as the population ages. Therefore, the contribution of natural increase to population growth will decrease throughout the forecast horizon, resulting in slower overall growth. If future rates of household formation by age group were to remain at their 2010 levels, the middle series would be consistent with an increase of about 62,000 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 series includes population growth of 50,400 (11 percent) in the 2010s, slowing to 39,800 (eight percent) in the 2020s, and 27,600 (five percent) in the 2030s. If future rates of household formation by age group remain at their 2010 levels, the low series would be consistent with an increase of about 55,000 households within PPS between 2010 and 2030.

In the high series, population growth of 56,900 (12 percent) occurs in the 2010s, followed by 61,000 (12 percent) in the 2020s and 54,300 (nine percent) in the 2030s. If future rates of household formation by age group remain at their 2010 levels, the high series would be consistent with an increase of about 68,000 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 550,000 in the low forecast, 566,000 in the middle forecast, and 578,000 in the high forecast.



In the middle series, K-12 enrollment increases by nearly 800 students during the first three years of the forecast until 2021-22, but then declines by over 1,400 students over the following seven years, reaching a low of 48,040 in 2028-29. Enrollment growth starting in 2029-30 until the end of the 15 year forecast results in a total net gain of 526 students from 2018-19 enrollment. Elementary enrollment declines by 1,536 students during the first eight 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 2033-34 the K-5th enrollment is 792 students larger than in 2018-19. Secondary enrollments increase initially, reflecting the larger cohorts attributable to elementary growth sustained through 2016. However, 6th-8th grade enrollment declines for several years starting in 2021-22 leading to 436 fewer students in 2033-34 than in 2018-19. High school enrollments begin to decline in 2025-26 but remain 170 students higher in 2033-34 compared with 2018-19.

In the low series, K-12 enrollment falls by 1,355 over the 15 year forecast period, reaching 47,354 total students in 2033-34. The average loss of nearly 300 students annually between 2022-23 and 2029-30, negates modest growth during the first and last few years of the forecast. Elementary enrollment declines during the first nine years of the forecast, amounting to a loss of about 2,200 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 series, K-12 enrollment grows by 2,561, reaching 51,270 in 2033-34. Similar to the other scenarios, K-12 enrollment grows for the first three years in the forecast before declining for several years and then rebounding. K-5 enrollment initially declines but ultimately gains 1,741 over the 15 year forecast. Grades 6-8 experience a negligible loss of 3 students between 2018-19 and 2033-34. In spite of losing enrollment in the last five years of the forecast, grades 9-12 gain 824 additional students by 2033-34 compared with 2018-19.

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		
	2013-14	**2018-19**	**2023-24**	**2028-29**	**2033-34**
Grades K-5	24,240	23,953	22,881	22,718	24,745
5 year change		*-287*	*-1,072*	*-163*	*2,027*
Grades 6-8	10,303	10,963	10,938	10,576	10,527
5 year change		*660*	*-25*	*-362*	*-49*
Grades 9-12	12,584	13,792	15,295	14,746	13,962
5 year change		*1,208*	*1,503*	*-549*	*-784*
Total K-12	**47,127**	**48,708**	**49,114**	**48,040**	**49,234**
5 year change		***1,581***	***406***	***-1,074***	***1,194***

LOW Series

	Historic		Forecast		
	2013-14	**2018-19**	**2023-24**	**2028-29**	**2033-34**
Grades K-5	24,240	23,953	22,356	21,956	23,687
5 year change		*-287*	*-1,597*	*-400*	*1,731*
Grades 6-8	10,303	10,963	10,821	10,240	10,129
5 year change		*660*	*-142*	*-581*	*-111*
Grades 9-12	12,584	13,792	15,219	14,498	13,538
5 year change		*1,208*	*1,427*	*-721*	*-960*
Total K-12	**47,127**	**48,708**	**48,396**	**46,694**	**47,354**
5 year change		***1,581***	***-312***	***-1,702***	***660***

HIGH Series

	Historic		Forecast		
	2013-14	**2018-19**	**2023-24**	**2028-29**	**2033-34**
Grades K-5	24,240	23,953	23,224	23,273	25,694
5 year change		*-287*	*-729*	*49*	*2,421*
Grades 6-8	10,303	10,963	11,066	10,863	10,960
5 year change		*660*	*103*	*-203*	*97*
Grades 9-12	12,584	13,792	15,560	15,212	14,616
5 year change		*1,208*	*1,768*	*-348*	*-596*
Total K-12	**47,127**	**48,708**	**49,850**	**49,348**	**51,270**
5 year change		***1,581***	***1,142***	***-502***	***1,922***

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 high school clusters (HSCLs). The HSCL kindergarten forecasts utilize a combination of two methods: 1) ratios of resident kindergarten students to corresponding births and 2) 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 an aging population, low fertility rates, and an increasing share of smaller housing units associated with changing demand and limited land supply. Details of the number and geographic distribution of 11 housing types depicted in the Comprehensive Plan's *Growth Scenarios Report* guided the final adjustments of GPRs as well as HSCL shares of district-wide births and kindergarten to birth ratios.[9]

Resident Enrollment Forecasts by High School Cluster: Results

The largest numeric growth between 2018-19 and 2033-34 in the number of PPS K-12 residents occurs in the Wilson HSCL (417 students). The Franklin, Jefferson-Madison, and Jefferson-Roosevelt HSCLs also gain K-12 residents over the 15 year period. After periods of modest K-12 decline, growth resumes in the Cleveland, Grant, Jefferson-Grant, and Lincoln HSCLs; their K-12 resident totals in 2033-34 are close to their 2018-19 values. Initial losses in the Madison and Roosevelt HSCLs are much greater, resulting in 2033-34 K-12 resident totals seven percent lower than in 2018-19.

[9] See Table 12 in *Growth Scenarios 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 2023-24, 2028-29, and 2033-34. 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.

Table 10
Portland Public Schools Forecast K-12 Enrollment
By High School Cluster of Residence

HS Cluster[1]	2018-19 Actual	2023-24 Forecast	2028-29 Forecast	2033-34 Forecast	'18 to '33 Change		'18 to '33 Average Annual Change	
Cleveland	7,162	7,070	6,951	7,188	26	*0%*	2	*0.0%*
Franklin	8,143	8,379	8,272	8,434	291	*4%*	19	*0.2%*
Grant	3,351	3,450	3,345	3,348	-3	*0%*	0	*0.0%*
Jeff-Grant[2]	3,088	3,026	2,953	3,045	-43	*-1%*	-3	*-0.1%*
Jeff-Madison[2]	1,864	1,984	2,003	1,995	131	*7%*	9	*0.5%*
Jeff-Roosevelt[2]	3,072	3,192	3,216	3,329	257	*8%*	17	*0.5%*
Lincoln	3,931	3,885	3,784	3,918	-13	*0%*	-1	*0.0%*
Madison	5,945	5,679	5,397	5,552	-393	*-7%*	-26	*-0.5%*
Roosevelt	4,047	3,853	3,639	3,762	-285	*-7%*	-19	*-0.5%*
Wilson	6,801	7,182	7,073	7,218	417	*6%*	28	*0.4%*
Out of District	1,304	1,414	1,407	1,445	141	*11%*	9	*0.7%*
PPS Total	**48,708**	**49,114**	**48,040**	**49,234**	**526**	***1%***	**35**	***0.1%***

1. For all years, students are counted by 2019-20 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, adjusted based on expected housing growth among ESAAs 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 ESAAs, the resident forecasts for MSAAs are simply the sum of component ESAA forecasts. High school

attendance area (HSAA) forecasts are also the sum of ESAA forecasts, although the Jefferson-Madison and Jefferson-Roosevelt Dual Assignment Zones split the Faubion ESAA, requiring the Faubion ESAA forecast to be allocated to each zone. The Bridlemile ESAA forecast is also split, with portions assigned to either the West Sylvan or Gray MSAAs and the Lincoln or Wilson HSAAs.

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 ESAAs, 6th-8th grade for MSAAs, and 9th-12th grade for HSAAs. Forecasts are tabulated for each year from 2019-20 to 2023-24, a five year horizon rather than the 15 year horizon of the HSCL and district-wide forecasts. The history and forecasts in Tables B2 to B6 are tabulated by 2019-20 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.

Language immersion programs are forecast separately from the neighborhood programs with which they share facilities. At the elementary level methodologies are the same as for the neighborhood programs and neighborhood schools; each program has assumptions for kindergarten capture rates and incoming kindergarten non-residents. For secondary schools the methodologies differ somewhat; forecasts of incoming grades rely on the number of immersion students at feeder schools rather than on capture rates or historic non-resident enrollment. Several immersion programs are still expanding, adding one more grade each year.

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 2019-20 boundaries and grade configurations for all neighborhood schools throughout the five year forecast horizon. While reduction in non-resident

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

enrollment may occur due to fewer lottery transfers at many schools, school capacities do not constrain the forecasts.

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). Enrollments are stable at most of the non-neighborhood schools, with similar numbers of students at each grade year after year. 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 20th consecutive year that PRC has conducted enrollment forecasts for PPS. Table 11 compares the middle series K-12 forecasts from each of the past 10 series with the actual K-12 enrollments through 2018-19. The "base year" indicates the most recent actual enrollment that PRC researchers used when they prepared the forecasts.

Forecasts based on 2008-09 enrollment predicted that enrollment would fall each year until 2011-12 and then increase slightly. Actual enrollment began to grow the following year and the subsequent increases were much greater than forecast. Therefore, K-12 enrollment in 2018-19 remains higher than the 10 year forecast in 2008-09. Forecasts prepared from 2009-10 to 2012-13 initially fell just short of actual K-12 enrollments, but recent slow growth has resulted in actual 2018-19 enrollment lower than these forecasts prepared six to nine years ago. Each of the forecasts prepared in the past five years predicted higher enrollment than was observed in 2018-19, with errors ranging from 0.8 percent (2017-18 base year) to 2.7 percent (2015-16 base 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 2018-19 prepared in each of the four previous years. The 1.3 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 the grades where most students transition to a new school (K, 6th, and 9th). Kindergarten and 6th grade were forecast to have larger enrollments while 9th grade was expected to have a smaller enrollment.

Table 11

District-wide Forecast Accuracy

School Year	Actual Enroll.[1]	K-12 Enrollment Forecasts by Base Year[2]									
		'08-'09	'09-'10	'10-'11	'11-'12	'12-'13	'13-'14	'14-'15	'15-'16	'16-'17	'17-'18
2008-09	45,024										
2009-10	45,592	45,046									
2010-11	45,741	45,092	45,653								
2011-12	46,206	45,288	45,993	45,979							
2012-13	46,517	45,696	46,588	46,451	46,661						
2013-14	47,127	45,886	46,979	46,766	46,901	46,980					
2014-15	47,579	46,226	47,420	47,325	47,268	47,544	47,617				
2015-16	48,152	46,695	47,943	47,732	47,847	48,265	48,187	48,164			
2016-17	48,309	47,191	48,480	48,269	48,266	48,816	48,850	48,790	48,802		
2017-18	48,684	47,602	48,956	48,624	48,706	49,272	49,421	49,331	49,388	48,877	
2018-19	48,708	48,013	49,447	49,164	49,138	49,682	49,967	49,875	50,009	49,336	49,093

School Year	Percentage Error in K-12 Enrollment Forecasts by Base Year[2]									
	'08-'09	'09-'10	'10-'11	'11-'12	'12-'13	'13-'14	'14-'15	'15-'16	'16-'17	'17-'18
2009-10	*-1.2%*									
2010-11	*-1.4%*	*-0.2%*								
2011-12	*-2.0%*	*-0.5%*	*-0.5%*							
2012-13	*-1.8%*	*0.2%*	*-0.1%*	*0.3%*						
2013-14	*-2.6%*	*-0.3%*	*-0.8%*	*-0.5%*	*-0.3%*					
2014-15	*-2.8%*	*-0.3%*	*-0.5%*	*-0.7%*	*-0.1%*	*0.1%*				
2015-16	*-3.0%*	*-0.4%*	*-0.9%*	*-0.6%*	*0.2%*	*0.1%*	*0.0%*			
2016-17	*-2.3%*	*0.4%*	*-0.1%*	*-0.1%*	*1.0%*	*1.1%*	*1.0%*	*1.0%*		
2017-18	*-2.2%*	*0.6%*	*-0.1%*	*0.0%*	*1.2%*	*1.5%*	*1.3%*	*1.4%*	*0.4%*	
2018-19	*-1.4%*	*1.5%*	*0.9%*	*0.9%*	*2.0%*	*2.6%*	*2.4%*	*2.7%*	*1.3%*	*0.8%*

1. Excludes pre-kindergarten.

2. Middle series.

Table 12

Forecast Accuracy by Grade Level, 2018-19 Enrollments

Grade	2018-19 Enroll-ment	2018-19 Enrollment Forecasts by Base Year*							
		2017-18 (1 yr.)		2016-17 (2 yr.)		2015-16 (3 yr.)		2014-15 (4 yr.)	
		Fcst.	Error	Fcst.	Error	Fcst.	Error	Fcst.	Error
K	3,899	4,014	*2.9%*	4,083	*4.7%*	4,116	*5.6%*	4,146	*6.3%*
1	3,916	4,000	*2.1%*	4,111	*5.0%*	4,178	*6.7%*	4,174	*6.6%*
2	4,040	4,062	*0.5%*	4,081	*1.0%*	4,142	*2.5%*	4,161	*3.0%*
3	4,011	4,024	*0.3%*	4,050	*1.0%*	4,096	*2.1%*	4,093	*2.0%*
4	4,051	4,090	*1.0%*	4,116	*1.6%*	4,125	*1.8%*	4,079	*0.7%*
5	4,036	4,086	*1.2%*	4,062	*0.6%*	4,119	*2.1%*	4,120	*2.1%*
6	3,844	3,939	*2.5%*	3,936	*2.4%*	3,991	*3.8%*	3,991	*3.8%*
7	3,619	3,673	*1.5%*	3,754	*3.7%*	3,777	*4.4%*	3,750	*3.6%*
8	3,500	3,498	*-0.1%*	3,516	*0.5%*	3,584	*2.4%*	3,591	*2.6%*
9	3,500	3,419	*-2.3%*	3,438	*-1.8%*	3,529	*0.8%*	3,499	*0.0%*
10	3,354	3,365	*0.3%*	3,401	*1.4%*	3,451	*2.9%*	3,400	*1.4%*
11	3,234	3,195	*-1.2%*	3,184	*-1.5%*	3,209	*-0.8%*	3,174	*-1.9%*
12	3,704	3,728	*0.6%*	3,604	*-2.7%*	3,692	*-0.3%*	3,697	*-0.2%*
Total	**48,708**	**49,093**	***0.8%***	**49,336**	***1.3%***	**50,009**	***2.7%***	**49,875**	***2.4%***
Mean Absolute Pct. Error			***1.3%***		***2.1%***		***2.8%***		***2.6%***

**Note: Middle Scenarios*

APPENDIX A

DISTRICT-WIDE ENROLLMENT FORECASTS

2019-20 to 2033-34

Portland Public Schools, Preliminary Long Range Enrollment Forecasts, 2019-20 to 2033-34

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

	Historic Enrollment			---- Forecast Enrollment ----														
Grade	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	2033-34
K	4,073	3,948	3,899	3,946	3,902	3,883	3,723	3,611	3,696	3,771	3,829	3,909	3,991	4,073	4,149	4,195	4,210	4,223
1	4,141	4,106	3,916	3,941	3,997	3,962	3,929	3,768	3,656	3,741	3,816	3,876	3,955	4,037	4,123	4,200	4,246	4,261
2	4,211	4,070	4,040	3,873	3,914	3,969	3,931	3,898	3,739	3,628	3,712	3,786	3,845	3,923	4,007	4,093	4,169	4,214
3	4,160	4,133	4,011	3,989	3,842	3,883	3,934	3,896	3,864	3,706	3,596	3,680	3,752	3,811	3,889	3,972	4,058	4,133
4	4,128	4,137	4,051	3,967	3,962	3,816	3,854	3,904	3,867	3,835	3,679	3,570	3,653	3,724	3,783	3,861	3,943	4,028
5	3,916	4,087	4,036	3,984	3,918	3,915	3,767	3,804	3,853	3,816	3,785	3,630	3,522	3,605	3,670	3,728	3,805	3,886
6	3,568	3,704	3,844	3,830	3,794	3,726	3,727	3,587	3,617	3,664	3,628	3,599	3,450	3,346	3,419	3,481	3,536	3,610
7	3,605	3,523	3,619	3,793	3,793	3,757	3,686	3,687	3,548	3,578	3,625	3,589	3,560	3,413	3,308	3,380	3,441	3,496
8	3,523	3,553	3,500	3,588	3,772	3,769	3,733	3,664	3,661	3,524	3,555	3,602	3,566	3,537	3,393	3,289	3,360	3,421
9	3,240	3,344	3,500	3,454	3,553	3,734	3,729	3,691	3,622	3,621	3,486	3,515	3,561	3,526	3,496	3,353	3,250	3,320
10	3,203	3,228	3,354	3,515	3,483	3,583	3,763	3,755	3,712	3,645	3,649	3,512	3,544	3,590	3,553	3,523	3,380	3,277
11	3,102	3,220	3,234	3,336	3,512	3,479	3,576	3,758	3,746	3,696	3,631	3,634	3,496	3,530	3,574	3,537	3,507	3,365
12	3,439	3,631	3,704	3,740	3,818	4,021	3,979	4,091	4,302	4,283	4,217	4,145	4,145	3,988	4,027	4,077	4,035	4,000
Total	48,309	48,684	48,708	48,956	49,260	49,497	49,331	49,114	48,883	48,508	48,208	48,047	48,040	48,103	48,391	48,689	48,940	49,234
K-2	12,425	12,124	11,855	11,760	11,813	11,814	11,583	11,277	11,091	11,140	11,357	11,571	11,791	12,033	12,279	12,488	12,625	12,698
3-5	12,204	12,357	12,098	11,940	11,722	11,614	11,555	11,604	11,584	11,357	11,060	10,880	10,927	11,140	11,342	11,561	11,806	12,047
6-8	10,696	10,780	10,963	11,211	11,359	11,252	11,146	10,938	10,826	10,766	10,808	10,790	10,576	10,296	10,120	10,150	10,337	10,527
9-12	12,984	13,423	13,792	14,045	14,366	14,817	15,047	15,295	15,382	15,245	14,983	14,806	14,746	14,634	14,650	14,490	14,172	13,962
K-12	48,309	48,684	48,708	48,956	49,260	49,497	49,331	49,114	48,883	48,508	48,208	48,047	48,040	48,103	48,391	48,689	48,940	49,234

Sources: Portland Public Schools, historic enrollment; Population Research Center, PSU, enrollment forecasts. *April 2019*

Portland Public Schools, Preliminary Long Range Enrollment Forecasts, 2019-20 to 2033-34

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

	Historic Enrollment			---- Forecast Enrollment ----														
Grade	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	2033-34
K	4,073	3,948	3,899	3,870	3,826	3,797	3,629	3,516	3,596	3,647	3,703	3,776	3,849	3,923	3,989	4,025	4,030	4,036
1	4,141	4,106	3,916	3,920	3,917	3,872	3,843	3,674	3,564	3,643	3,693	3,747	3,820	3,893	3,968	4,035	4,071	4,077
2	4,211	4,070	4,040	3,857	3,889	3,882	3,838	3,809	3,642	3,533	3,611	3,661	3,714	3,786	3,859	3,933	3,999	4,035
3	4,160	4,133	4,011	3,975	3,819	3,848	3,841	3,797	3,769	3,604	3,496	3,573	3,622	3,674	3,746	3,818	3,891	3,957
4	4,128	4,137	4,051	3,953	3,941	3,783	3,812	3,805	3,762	3,734	3,571	3,464	3,540	3,588	3,641	3,712	3,783	3,855
5	3,916	4,087	4,036	3,970	3,897	3,884	3,727	3,755	3,748	3,706	3,678	3,517	3,411	3,486	3,534	3,587	3,657	3,727
6	3,568	3,704	3,844	3,816	3,773	3,696	3,690	3,541	3,563	3,556	3,516	3,490	3,335	3,234	3,306	3,352	3,403	3,470
7	3,605	3,523	3,619	3,779	3,776	3,730	3,654	3,648	3,500	3,522	3,515	3,476	3,450	3,297	3,197	3,268	3,314	3,364
8	3,523	3,553	3,500	3,575	3,758	3,749	3,706	3,632	3,623	3,476	3,500	3,493	3,455	3,429	3,278	3,179	3,249	3,295
9	3,240	3,344	3,500	3,443	3,540	3,717	3,709	3,665	3,591	3,584	3,439	3,461	3,453	3,416	3,391	3,241	3,143	3,212
10	3,203	3,228	3,354	3,505	3,472	3,568	3,747	3,736	3,686	3,614	3,612	3,465	3,491	3,483	3,446	3,421	3,271	3,173
11	3,102	3,220	3,234	3,326	3,502	3,466	3,562	3,742	3,727	3,671	3,601	3,597	3,450	3,478	3,471	3,434	3,409	3,260
12	3,439	3,631	3,704	3,729	3,807	4,007	3,965	4,076	4,284	4,262	4,189	4,111	4,104	3,936	3,971	3,963	3,921	3,893
Total	48,309	48,684	48,708	48,718	48,917	48,999	48,723	48,396	48,055	47,552	47,124	46,831	46,694	46,623	46,797	46,968	47,141	47,354
K-2	12,425	12,124	11,855	11,647	11,632	11,551	11,310	10,999	10,802	10,823	11,007	11,184	11,383	11,602	11,816	11,993	12,100	12,148
3-5	12,204	12,357	12,098	11,898	11,657	11,515	11,380	11,357	11,279	11,044	10,745	10,554	10,573	10,748	10,921	11,117	11,331	11,539
6-8	10,696	10,780	10,963	11,170	11,307	11,175	11,050	10,821	10,686	10,554	10,531	10,459	10,240	9,960	9,781	9,799	9,966	10,129
9-12	12,984	13,423	13,792	14,003	14,321	14,758	14,983	15,219	15,288	15,131	14,841	14,634	14,498	14,313	14,279	14,059	13,744	13,538
K-12	48,309	48,684	48,708	48,718	48,917	48,999	48,723	48,396	48,055	47,552	47,124	46,831	46,694	46,623	46,797	46,968	47,141	47,354

Sources: Portland Public Schools, historic enrollment; Population Research Center, PSU, enrollment forecasts. *April 2019*

Portland Public Schools, Preliminary Long Range Enrollment Forecasts, 2019-20 to 2033-34

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

	Historic Enrollment			---- Forecast Enrollment ----														
Grade	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	2033-34
K	4,073	3,948	3,899	3,976	3,933	3,914	3,762	3,659	3,744	3,832	3,901	3,993	4,086	4,180	4,275	4,337	4,367	4,398
1	4,141	4,106	3,916	3,961	4,046	4,002	3,976	3,823	3,719	3,805	3,891	3,958	4,050	4,144	4,242	4,338	4,401	4,432
2	4,211	4,070	4,040	3,884	3,945	4,026	3,982	3,956	3,804	3,701	3,786	3,872	3,938	4,029	4,123	4,221	4,316	4,378
3	4,160	4,133	4,011	4,001	3,861	3,919	3,999	3,955	3,929	3,778	3,676	3,760	3,845	3,911	4,002	4,095	4,193	4,287
4	4,128	4,137	4,051	3,979	3,982	3,839	3,897	3,977	3,933	3,907	3,758	3,656	3,739	3,824	3,890	3,980	4,073	4,170
5	3,916	4,087	4,036	3,995	3,938	3,940	3,797	3,854	3,933	3,890	3,864	3,716	3,615	3,697	3,782	3,848	3,937	4,029
6	3,568	3,704	3,844	3,841	3,812	3,750	3,758	3,623	3,672	3,748	3,707	3,682	3,539	3,442	3,522	3,604	3,667	3,752
7	3,605	3,523	3,619	3,804	3,816	3,784	3,722	3,729	3,595	3,644	3,720	3,679	3,654	3,512	3,416	3,496	3,577	3,639
8	3,523	3,553	3,500	3,598	3,798	3,804	3,775	3,714	3,718	3,585	3,635	3,711	3,670	3,645	3,505	3,409	3,489	3,569
9	3,240	3,344	3,500	3,466	3,577	3,771	3,779	3,748	3,686	3,692	3,561	3,609	3,684	3,643	3,619	3,480	3,384	3,464
10	3,203	3,228	3,354	3,529	3,509	3,619	3,816	3,821	3,784	3,724	3,735	3,601	3,653	3,729	3,688	3,664	3,524	3,427
11	3,102	3,220	3,234	3,349	3,540	3,516	3,626	3,826	3,827	3,783	3,724	3,734	3,599	3,653	3,729	3,689	3,665	3,525
12	3,439	3,631	3,704	3,754	3,848	4,066	4,037	4,165	4,397	4,393	4,333	4,268	4,276	4,121	4,186	4,273	4,227	4,200
Total	48,309	48,684	48,708	49,137	49,605	49,950	49,926	49,850	49,741	49,482	49,291	49,239	49,348	49,530	49,979	50,434	50,820	51,270
K-2	12,425	12,124	11,855	11,821	11,924	11,942	11,720	11,438	11,267	11,338	11,578	11,823	12,074	12,353	12,640	12,896	13,084	13,208
3-5	12,204	12,357	12,098	11,975	11,781	11,698	11,693	11,786	11,795	11,575	11,298	11,132	11,199	11,432	11,674	11,923	12,203	12,486
6-8	10,696	10,780	10,963	11,243	11,426	11,338	11,255	11,066	10,985	10,977	11,062	11,072	10,863	10,599	10,443	10,509	10,733	10,960
9-12	12,984	13,423	13,792	14,098	14,474	14,972	15,258	15,560	15,694	15,592	15,353	15,212	15,212	15,146	15,222	15,106	14,800	14,616
K-12	48,309	48,684	48,708	49,137	49,605	49,950	49,926	49,850	49,741	49,482	49,291	49,239	49,348	49,530	49,979	50,434	50,820	51,270

Sources: Portland Public Schools, historic enrollment; Population Research Center, PSU, enrollment forecasts. *April 2019*

APPENDIX B

ENROLLMENT FORECASTS BY AREA OF RESIDENCE

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

1. *Based on 2019-20 high school clusters. Elementary areas that are split by a high school boundary are assigned to a single cluster. Therefore, clusters may differ from high school attendance areas reported in Table B6.*
2. *Based on 2019-20 K-8 and elementary attendance area boundaries.*
3. *Based on 2019-20 K-8 and middle school attendance area boundaries.*
4. *Based on 2019-20 high school attendance area boundaries.*

Table B1

PPS Residents Forecast by Cluster and Grade Level, 2019-20 to 2033-34

		Forecast															Change 2018-19 to 2033-34	
Cluster	**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**	**2033-34**	**Number**	**Percent**
Cleveland Cluster																		
K-5	3,554	3,524	3,507	3,470	3,432	3,381	3,362	3,340	3,332	3,351	3,396	3,466	3,541	3,613	3,679	3,730	176	*5%*
6-8	1,650	1,670	1,660	1,655	1,643	1,638	1,599	1,592	1,581	1,580	1,551	1,516	1,498	1,504	1,530	1,563	-87	*-5%*
9-12	1,958	1,938	2,002	2,034	2,035	2,051	2,063	2,045	2,044	2,028	2,004	1,993	1,974	1,961	1,921	1,895	-63	*-3%*
Total	**7,162**	**7,132**	**7,169**	**7,159**	**7,110**	**7,070**	**7,024**	**6,977**	**6,957**	**6,959**	**6,951**	**6,975**	**7,013**	**7,078**	**7,130**	**7,188**	**26**	***0%***
Franklin Cluster																		
K-5	3,963	3,919	3,963	3,953	3,921	3,869	3,819	3,790	3,768	3,769	3,809	3,878	3,958	4,026	4,088	4,145	182	*5%*
6-8	1,869	1,911	1,909	1,905	1,874	1,912	1,908	1,906	1,906	1,893	1,859	1,804	1,767	1,774	1,807	1,842	-27	*-1%*
9-12	2,311	2,410	2,484	2,579	2,619	2,598	2,632	2,614	2,575	2,614	2,604	2,607	2,589	2,547	2,498	2,447	136	*6%*
Total	**8,143**	**8,240**	**8,356**	**8,437**	**8,414**	**8,379**	**8,359**	**8,310**	**8,249**	**8,276**	**8,272**	**8,289**	**8,314**	**8,347**	**8,393**	**8,434**	**291**	***4%***
Grant Cluster																		
K-5	1,671	1,658	1,643	1,630	1,583	1,550	1,523	1,507	1,491	1,489	1,516	1,549	1,571	1,598	1,622	1,641	-30	*-2%*
6-8	801	811	853	840	847	826	827	804	803	790	768	738	724	732	746	756	-45	*-6%*
9-12	879	924	959	1,040	1,050	1,074	1,099	1,094	1,087	1,072	1,061	1,043	1,035	997	973	950	71	*8%*
Total	**3,351**	**3,393**	**3,455**	**3,510**	**3,480**	**3,450**	**3,449**	**3,405**	**3,381**	**3,351**	**3,345**	**3,330**	**3,330**	**3,327**	**3,341**	**3,347**	**-4**	***0%***
Jefferson/Grant Cluster																		
K-5	1,518	1,491	1,478	1,491	1,477	1,441	1,430	1,419	1,416	1,425	1,453	1,487	1,518	1,548	1,575	1,597	79	*5%*
6-8	699	676	682	648	619	618	624	634	626	625	603	581	577	589	605	616	-83	*-12%*
9-12	871	931	972	983	1,005	967	950	916	901	885	897	906	886	869	845	832	-39	*-4%*
Total	**3,088**	**3,098**	**3,132**	**3,122**	**3,101**	**3,026**	**3,004**	**2,969**	**2,943**	**2,935**	**2,953**	**2,974**	**2,981**	**3,006**	**3,025**	**3,045**	**-43**	***-1%***
Jefferson/Madison Cluster																		
K-5	1,047	1,047	1,065	1,073	1,046	1,021	1,008	992	985	984	991	1,004	1,017	1,029	1,040	1,049	2	*0%*
6-8	390	421	426	429	435	458	471	467	458	451	435	423	417	417	424	429	39	*10%*
9-12	427	439	459	473	501	505	515	541	539	559	577	566	554	545	527	517	90	*21%*
Total	**1,864**	**1,907**	**1,950**	**1,975**	**1,982**	**1,984**	**1,994**	**2,000**	**1,982**	**1,994**	**2,003**	**1,993**	**1,988**	**1,991**	**1,991**	**1,995**	**131**	***7%***
Jefferson/Roosevelt Cluster																		
K-5	1,638	1,636	1,627	1,672	1,660	1,642	1,620	1,599	1,597	1,594	1,617	1,654	1,689	1,719	1,747	1,770	132	*8%*
6-8	662	675	693	685	670	650	679	703	715	717	693	670	648	653	669	684	22	*3%*
9-12	772	813	837	854	881	900	882	892	877	868	906	914	939	923	888	875	103	*13%*
Total	**3,072**	**3,124**	**3,157**	**3,211**	**3,211**	**3,192**	**3,181**	**3,194**	**3,189**	**3,179**	**3,216**	**3,238**	**3,276**	**3,295**	**3,304**	**3,329**	**257**	***8%***

Forecast: Population Research Center, Portland State University, April 2019.

Table B1 (continued)

PPS Residents Forecast by Cluster and Grade Level, 2019-20 to 2033-34

		Forecast															Change 2018-19 to 2033-34	
Cluster	**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**	**2033-34**	**Number**	**Percent**
Lincoln Cluster																		
K-5	1,678	1,671	1,633	1,635	1,621	1,609	1,611	1,593	1,593	1,599	1,621	1,661	1,700	1,741	1,773	1,800	122	*7%*
6-8	854	857	896	877	874	829	811	811	817	833	815	799	786	782	798	815	-39	*-5%*
9-12	1,399	1,375	1,358	1,388	1,398	1,447	1,450	1,430	1,409	1,341	1,348	1,334	1,340	1,353	1,318	1,303	-96	*-7%*
Total	**3,931**	**3,903**	**3,887**	**3,900**	**3,893**	**3,885**	**3,872**	**3,834**	**3,819**	**3,773**	**3,784**	**3,794**	**3,826**	**3,876**	**3,889**	**3,918**	**-13**	***0%***
Madison Cluster																		
K-5	2,905	2,810	2,739	2,685	2,660	2,653	2,632	2,619	2,619	2,623	2,657	2,715	2,766	2,814	2,858	2,895	-10	*0%*
6-8	1,362	1,409	1,414	1,370	1,319	1,259	1,219	1,206	1,204	1,200	1,177	1,154	1,137	1,143	1,161	1,180	-182	*-13%*
9-12	1,678	1,651	1,678	1,700	1,730	1,767	1,780	1,715	1,648	1,603	1,563	1,534	1,537	1,520	1,489	1,478	-200	*-12%*
Total	**5,945**	**5,870**	**5,831**	**5,755**	**5,709**	**5,679**	**5,631**	**5,540**	**5,471**	**5,426**	**5,397**	**5,403**	**5,440**	**5,477**	**5,508**	**5,553**	**-392**	***-7%***
Roosevelt Cluster																		
K-5	1,998	1,916	1,880	1,865	1,812	1,786	1,773	1,769	1,771	1,778	1,811	1,854	1,891	1,927	1,957	1,979	-19	*-1%*
6-8	939	933	900	865	828	789	777	755	762	762	745	726	716	728	748	764	-175	*-19%*
9-12	1,110	1,194	1,246	1,287	1,313	1,278	1,221	1,198	1,123	1,094	1,083	1,055	1,064	1,044	1,026	1,019	-91	*-8%*
Total	**4,047**	**4,043**	**4,026**	**4,017**	**3,953**	**3,853**	**3,771**	**3,722**	**3,656**	**3,634**	**3,639**	**3,635**	**3,671**	**3,699**	**3,731**	**3,762**	**-285**	***-7%***
Wilson Cluster																		
K-5	3,332	3,357	3,333	3,301	3,259	3,241	3,209	3,181	3,157	3,151	3,159	3,217	3,282	3,346	3,404	3,451	119	*4%*
6-8	1,503	1,611	1,675	1,716	1,765	1,701	1,666	1,634	1,665	1,668	1,659	1,614	1,579	1,557	1,578	1,607	104	*7%*
9-12	1,966	1,956	1,971	2,043	2,074	2,240	2,299	2,340	2,331	2,284	2,255	2,223	2,246	2,245	2,201	2,160	194	*10%*
Total	**6,801**	**6,924**	**6,979**	**7,060**	**7,098**	**7,182**	**7,174**	**7,155**	**7,153**	**7,103**	**7,073**	**7,054**	**7,107**	**7,148**	**7,183**	**7,218**	**417**	***6%***
Out of District																		
K-5	649	671	667	653	667	688	688	688	688	688	688	688	688	688	688	688	39	*6%*
6-8	234	237	251	262	272	258	245	254	271	271	271	271	271	271	271	271	37	*16%*
9-12	421	414	400	436	441	468	491	460	449	458	448	459	486	486	486	486	65	*15%*
Total	**1,304**	**1,322**	**1,318**	**1,351**	**1,380**	**1,414**	**1,424**	**1,402**	**1,408**	**1,417**	**1,407**	**1,418**	**1,445**	**1,445**	**1,445**	**1,445**	**141**	***11%***
Total	**48,708**	**48,956**	**49,260**	**49,497**	**49,331**	**49,114**	**48,883**	**48,508**	**48,208**	**48,047**	**48,040**	**48,103**	**48,391**	**48,689**	**48,940**	**49,234**	**526**	***1%***

**Note: Historical data reflects 2019-20 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, April 2019.

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

(students attending all PPS schools tabulated by the 2019-20 attendance area boundary in which they reside)

H.S. Clust.	Grades K-2 Attendance Area	< History			Forecast >				
		2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
CLE	Abernethy	310	303	283	278	279	280	278	276
CLE	Buckman	146	144	121	126	148	148	143	139
CLE	Duniway	282	248	256	257	254	250	246	242
CLE	Grout	268	272	265	262	253	251	252	252
CLE	Lewis	213	217	213	207	211	209	201	194
CLE	Llewellyn	236	246	240	241	227	228	224	219
CLE	Whitman	174	181	173	171	163	165	160	153
CLE	Woodstock	215	227	222	219	214	221	218	209
FRA	Arleta	204	209	227	235	238	223	217	210
FRA	Atkinson	164	162	159	161	161	158	155	152
FRA	Bridger	201	203	208	198	203	203	201	196
FRA	Creston	164	180	165	169	163	169	167	164
FRA	Glencoe	316	342	329	330	319	323	317	307
FRA	Kelly	241	211	201	201	201	210	209	201
FRA	Lent	159	178	168	167	162	172	171	166
FRA	Marysville	178	182	183	179	180	174	171	168
FRA	Sunnyside	179	149	146	140	147	149	145	140
FRA	Woodmere	195	183	197	196	206	190	186	179
GRA	Alameda	375	356	353	334	339	341	333	321
GRA	Beverly Cleary	190	185	199	191	203	193	186	178
GRA	Laurelhurst	230	238	256	263	249	244	235	224
JEF/GRA	Boise-Eliot-Humboldt	247	223	204	203	209	219	212	205
JEF/GRA	Irvington	187	190	187	188	188	181	175	169
JEF/GRA	King	133	140	134	141	123	127	124	120
JEF/GRA	Sabin	266	253	245	246	247	241	231	223
JEF/MAD	Faubion	223	280	292	285	262	264	255	247
JEF/MAD	Vernon	278	274	270	269	284	276	265	258
JEF/ROO	Beach	225	201	202	201	209	212	204	198
JEF/ROO	Chief Joseph	204	203	208	214	207	208	202	195
JEF/ROO	Peninsula	200	188	201	203	212	216	206	200
JEF/ROO	Woodlawn	234	232	234	244	247	246	236	226

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

(students attending all PPS schools tabulated by the 2019-20 attendance area boundary in which they reside)

H.S. Clust.	Grades K-2 Attendance Area	< History			Forecast >				
		2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
LIN	Ainsworth	239	235	237	243	249	247	240	235
LIN	Chapman	330	285	255	262	272	291	292	287
LIN	Forest Park	230	233	222	208	200	201	190	182
LIN	Skyline	83	78	79	80	76	75	77	77
MAD	Harrison Park	331	330	305	289	285	289	288	285
MAD	Lee	232	217	194	188	181	183	182	178
MAD	Rigler	308	279	245	239	244	246	247	245
MAD	Rose City Park	218	213	217	227	240	231	220	213
MAD	Scott	259	268	240	247	235	237	238	239
MAD	Vestal	223	197	213	200	204	200	195	193
ROO	Astor	188	183	171	153	154	158	157	154
ROO	Cesar Chavez	144	127	137	127	121	118	113	109
ROO	James John	268	244	245	238	240	237	232	225
ROO	Rosa Parks	226	215	210	203	210	212	207	201
ROO	Sitton	258	236	233	239	240	241	235	228
WIL	Bridlemile	286	273	252	246	252	253	250	243
WIL	Capitol Hill	249	244	247	236	250	256	255	248
WIL	Hayhurst	267	265	242	229	238	239	240	233
WIL	Maplewood	255	234	232	229	238	235	233	225
WIL	Markham	256	269	284	293	286	279	277	270
WIL	Rieke	222	209	198	187	188	200	199	192
WIL	Stephenson	185	187	173	183	187	180	176	169
Grade K-2 residing in PPS		12,094	11,821	11,572	11,465	11,498	11,499	11,268	10,962
Grade K-2 residing outside PPS		331	303	283	295	315	315	315	315
Grade K-2 Totals		**12,425**	**12,124**	**11,855**	**11,760**	**11,813**	**11,814**	**11,583**	**11,277**

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

(students attending all PPS schools tabulated by the 2019-20 attendance area boundary in which they reside)

H.S. Clust.	Grades 3-5 Attendance Area	< History			Forecast >				
		2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
CLE	Abernethy	315	314	313	297	290	278	271	272
CLE	Buckman	132	130	140	129	126	119	124	138
CLE	Duniway	291	290	289	280	264	265	265	262
CLE	Grout	250	247	244	239	249	242	246	246
CLE	Lewis	189	180	187	209	212	211	203	208
CLE	Llewellyn	257	229	240	237	253	237	236	223
CLE	Whitman	187	189	158	156	150	150	149	141
CLE	Woodstock	199	221	210	216	214	216	216	207
FRA	Arleta	214	217	208	201	216	231	241	245
FRA	Atkinson	173	176	165	167	164	162	165	165
FRA	Bridger	171	185	182	211	211	213	201	204
FRA	Creston	153	162	162	139	152	148	155	148
FRA	Glencoe	342	355	338	332	346	341	346	335
FRA	Kelly	258	244	218	192	195	187	188	190
FRA	Lent	197	190	183	175	192	185	183	175
FRA	Marysville	179	185	173	163	168	172	169	169
FRA	Sunnyside	147	150	173	178	158	150	145	153
FRA	Woodmere	180	160	178	185	181	193	189	202
GRA	Alameda	372	391	403	405	388	373	353	356
GRA	Beverly Cleary	237	240	225	232	215	224	215	225
GRA	Laurelhurst	237	249	235	233	249	255	261	246
JEF/GRA	Boise-Eliot-Humboldt	226	227	199	190	189	191	193	193
JEF/GRA	Irvington	214	199	180	166	165	173	173	173
JEF/GRA	King	130	133	125	114	129	123	129	115
JEF/GRA	Sabin	233	243	244	243	228	236	240	243
JEF/MAD	Faubion	218	245	226	237	275	283	276	254
JEF/MAD	Vernon	231	248	259	256	244	250	250	262
JEF/ROO	Beach	204	213	195	200	187	192	193	197
JEF/ROO	Chief Joseph	190	195	193	177	182	182	187	183
JEF/ROO	Peninsula	173	198	171	179	171	194	198	208
JEF/ROO	Woodlawn	243	234	234	218	212	222	234	235

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

(students attending all PPS schools tabulated by the 2019-20 attendance area boundary in which they reside)

H.S. Clust.	Grades 3-5 Attendance Area	< History			Forecast >				
		2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
LIN	Ainsworth	212	234	241	245	244	244	249	253
LIN	Chapman	303	322	319	307	284	273	283	298
LIN	Forest Park	264	247	226	239	224	223	209	202
LIN	Skyline	102	107	99	87	84	81	81	75
MAD	Harrison Park	346	339	336	323	310	292	279	277
MAD	Lee	233	240	221	201	185	163	158	156
MAD	Rigler	285	283	275	260	234	219	222	233
MAD	Rose City Park	197	200	208	212	217	231	235	239
MAD	Scott	274	277	264	242	248	225	233	224
MAD	Vestal	202	196	187	182	156	169	163	171
ROO	Astor	164	151	177	170	170	153	136	136
ROO	Cesar Chavez	179	164	137	124	126	130	122	116
ROO	James John	247	259	232	230	211	212	205	208
ROO	Rosa Parks	237	223	223	213	203	197	193	199
ROO	Sitton	268	241	233	219	205	207	212	210
WIL	Bridlemile	271	298	295	294	281	269	265	264
WIL	Capitol Hill	191	221	233	262	243	248	236	252
WIL	Hayhurst	229	235	244	267	258	243	228	239
WIL	Maplewood	196	201	226	247	236	230	227	236
WIL	Markham	281	300	303	293	293	305	314	307
WIL	Rieke	232	208	210	211	212	194	181	183
WIL	Stephenson	202	206	193	180	171	170	178	180
Grade 3-5 residing in PPS		11,857	11,991	11,732	11,564	11,370	11,276	11,203	11,231
Grade 3-5 residing outside PPS		347	366	366	376	352	338	352	373
Grade 3-5 Totals		**12,204**	**12,357**	**12,098**	**11,940**	**11,722**	**11,614**	**11,555**	**11,604**

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

(students attending all PPS schools tabulated by the 2019-20 attendance area boundary in which they reside)

H.S. Clust.	Grades K-5 Attendance Area	< History			Forecast >				
		2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
CLE	Abernethy	625	617	596	575	569	558	549	548
CLE	Buckman	278	274	261	255	274	267	267	277
CLE	Duniway	573	538	545	537	518	515	511	504
CLE	Grout	518	519	509	501	502	493	498	498
CLE	Lewis	402	397	400	416	423	420	404	402
CLE	Llewellyn	493	475	480	478	480	465	460	442
CLE	Whitman	361	370	331	327	313	315	309	294
CLE	Woodstock	414	448	432	435	428	437	434	416
FRA	Arleta	418	426	435	436	454	454	458	455
FRA	Atkinson	337	338	324	328	325	320	320	317
FRA	Bridger	372	388	390	409	414	416	402	400
FRA	Creston	317	342	327	308	315	317	322	312
FRA	Glencoe	658	697	667	662	665	664	663	642
FRA	Kelly	499	455	419	393	396	397	397	391
FRA	Lent	356	368	351	342	354	357	354	341
FRA	Marysville	357	367	356	342	348	346	340	337
FRA	Sunnyside	326	299	319	318	305	299	290	293
FRA	Woodmere	375	343	375	381	387	383	375	381
GRA	Alameda	747	747	756	739	727	714	686	677
GRA	Beverly Cleary	427	425	424	423	418	417	401	403
GRA	Laurelhurst	467	487	491	496	498	499	496	470
JEF/GRA	Boise-Eliot-Humboldt	473	450	403	393	398	410	405	398
JEF/GRA	Irvington	401	389	367	354	353	354	348	342
JEF/GRA	King	263	273	259	255	252	250	253	235
JEF/GRA	Sabin	499	496	489	489	475	477	471	466
JEF/MAD	Faubion	441	525	518	522	537	547	531	501
JEF/MAD	Vernon	509	522	529	525	528	526	515	520
JEF/ROO	Beach	429	414	397	401	396	404	397	395
JEF/ROO	Chief Joseph	394	398	401	391	389	390	389	378
JEF/ROO	Peninsula	373	386	372	382	383	410	404	408
JEF/ROO	Woodlawn	477	466	468	462	459	468	470	461

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

(students attending all PPS schools tabulated by the 2019-20 attendance area boundary in which they reside)

H.S. Clust.	Grades K-5 Attendance Area	< History			Forecast >				
		2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
LIN	Ainsworth	451	469	478	488	493	491	489	488
LIN	Chapman	633	607	574	569	556	564	575	585
LIN	Forest Park	494	480	448	447	424	424	399	384
LIN	Skyline	185	185	178	167	160	156	158	152
MAD	Harrison Park	677	669	641	612	595	581	567	562
MAD	Lee	465	457	415	389	366	346	340	334
MAD	Rigler	593	562	520	499	478	465	469	478
MAD	Rose City Park	415	413	425	439	457	462	455	452
MAD	Scott	533	545	504	489	483	462	471	463
MAD	Vestal	425	393	400	382	360	369	358	364
ROO	Astor	352	334	348	323	324	311	293	290
ROO	Cesar Chavez	323	291	274	251	247	248	235	225
ROO	James John	515	503	477	468	451	449	437	433
ROO	Rosa Parks	463	438	433	416	413	409	400	400
ROO	Sitton	526	477	466	458	445	448	447	438
WIL	Bridlemile	557	571	547	540	533	522	515	507
WIL	Capitol Hill	440	465	480	498	493	504	491	500
WIL	Hayhurst	496	500	486	496	496	482	468	472
WIL	Maplewood	451	435	458	476	474	465	460	461
WIL	Markham	537	569	587	586	579	584	591	577
WIL	Rieke	454	417	408	398	400	394	380	375
WIL	Stephenson	387	393	366	363	358	350	354	349
Grade K-5 residing in PPS		23,951	23,812	23,304	23,029	22,868	22,775	22,471	22,193
Grade K-5 residing outside PPS		678	669	649	671	667	653	667	688
Grade K-5 Totals		**24,629**	**24,481**	**23,953**	**23,700**	**23,535**	**23,428**	**23,138**	**22,881**

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

(students attending all PPS schools tabulated by the 2019-20 attendance area boundary in which they reside)

H.S. Clust.	Grades 6-8 Attendance Area	< History 2016-17	2017-18	2018-19	Forecast > 2019-20	2020-21	2021-22	2022-23	2023-24
CLE	Hosford Middle 6-8	783	800	776	809	808	824	810	805
CLE	Sellwood Middle 6-8	692	693	714	707	695	699	703	709
FRA	Arleta K-8	142	147	192	214	217	212	205	221
FRA	Bridger K-8	144	157	161	151	148	155	180	182
FRA	Creston K-8	145	153	137	158	147	156	135	147
FRA	Lane Middle 6-8	580	553	542	533	515	488	475	461
FRA	Lent K-8	166	168	165	171	170	166	159	174
FRA	Marysville K-8	152	163	154	173	176	172	160	166
FRA	Mt. Tabor Middle 6-8	505	500	546	533	545	529	528	540
FRA	Sunnyside K-8	133	137	132	132	148	159	162	145
GRA	Beaumont Middle 6-8	641	630	613	626	660	655	656	613
GRA	Beverly Cleary K-8	205	209	229	226	236	225	230	213
GRA	Laurelhurst K-8	235	234	233	229	231	224	221	236
JEF/GRA	Tubman Middle K-8	683	687	699	676	682	648	619	618
JEF/MAD	Faubion K-8	185	201	197	214	211	203	212	247
JEF/MAD	Vernon K-8	185	188	193	207	215	226	223	211
JEF/ROO	Ockley Green Middle 6-8	668	667	662	675	693	685	670	650
LIN	Sylvan Middle 6-8	882	889	868	875	919	911	915	884
LIN	Skyline K-8	93	94	85	96	104	95	84	76
MAD	Harrison Park K-8	284	249	279	290	286	279	269	257
MAD	Roseway Hts Middle 6-8	764	771	809	849	854	827	790	766
ROO	Astor K-8	126	132	141	153	145	163	159	159
ROO	Cesar Chavez K-8	147	151	164	170	163	132	121	122
ROO	George Middle 6-8	623	637	634	610	592	570	548	508
WIL	Gray Middle 6-8	561	578	583	628	623	640	668	634
WIL	Jackson Middle 6-8	764	772	821	869	925	947	972	936
Grade 6-8 residing in PPS		10,488	10,560	10,729	10,974	11,108	10,990	10,874	10,680
Grade 6-8 residing outside PPS		208	220	234	237	251	262	272	258
Grade 6-8 Totals		**10,696**	**10,780**	**10,963**	**11,211**	**11,359**	**11,252**	**11,146**	**10,938**

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

(students attending all PPS schools tabulated by the 2019-20 attendance area boundary in which they reside)

Grades 9-12 Attendance Area	< History			Forecast >				
	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Cleveland	1,867	1,898	1,958	1,938	2,002	2,034	2,035	2,051
Franklin	2,115	2,194	2,311	2,410	2,484	2,579	2,619	2,598
Grant total	1,622	1,677	1,750	1,855	1,931	2,023	2,055	2,041
Grant	*783*	*813*	*879*	*924*	*959*	*1,040*	*1,050*	*1,074*
*Jefferson-Grant**	*839*	*864*	*871*	*931*	*972*	*983*	*1,005*	*967*
Jefferson total	1,952	2,026	2,070	2,183	2,268	2,310	2,387	2,372
*Jefferson-Grant**	*839*	*864*	*871*	*931*	*972*	*983*	*1,005*	*967*
*Jefferson-Madison**	*299*	*290*	*293*	*313*	*342*	*358*	*392*	*391*
*Jefferson-Roosevelt**	*814*	*872*	*906*	*939*	*954*	*969*	*990*	*1,014*
Lincoln	1,468	1,543	1,566	1,531	1,526	1,555	1,570	1,633
Madison total	1,855	1,929	1,971	1,964	2,020	2,058	2,122	2,158
Madison	*1,556*	*1,639*	*1,678*	*1,651*	*1,678*	*1,700*	*1,730*	*1,767*
*Jefferson-Madison**	*299*	*290*	*293*	*313*	*342*	*358*	*392*	*391*
Roosevelt total	1,894	1,947	2,016	2,133	2,200	2,256	2,303	2,292
Roosevelt	*1,080*	*1,075*	*1,110*	*1,194*	*1,246*	*1,287*	*1,313*	*1,278*
*Jefferson-Roosevelt**	*814*	*872*	*906*	*939*	*954*	*969*	*990*	*1,014*
Wilson	1,741	1,793	1,799	1,800	1,803	1,876	1,902	2,054
Grade 9-12 residing in PPS	12,562	12,981	13,371	13,631	13,966	14,381	14,606	14,827
Grade 9-12 residing outside PPS	422	442	421	414	400	436	441	468
Grade 9-12 Totals	**12,984**	**13,423**	**13,792**	**14,045**	**14,366**	**14,817**	**15,047**	**15,295**

**Note: Dual Assignment Zone.*

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APPENDIX C

ENROLLMENT FORECASTS BY SCHOOL

2019-20 to 2023-24

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

Table C. K-12 Enrollment by School[1]

Name	School Program	Grade Range[2]	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Abernethy		KG-5	519	516	520	517	519	514	511	511
Ainsworth[3]	Spanish Immersion	KG-5	316	313	312	307	301	302	294	289
	Neighborhood Program	KG-5	289	325	313	330	322	321	311	301
	Total	KG-5	605	638	625	637	623	623	605	590
Alameda		KG-5	747	734	730	721	708	696	672	667
Arleta		KG-8	457	454	490	496	509	497	483	477
Astor		KG-8	455	425	434	422	420	420	391	392
Atkinson	Spanish Immersion	KG-5	164	171	166	162	161	160	158	158
	Neighborhood Program	KG-5	268	249	253	248	248	248	248	245
	Total	KG-5	432	420	419	410	409	408	406	403
Beach[3]	Spanish Immersion	KG-5	281	284	281	287	287	292	292	294
	Neighborhood Program	KG-5	183	158	147	144	141	139	140	136
	Total	KG-5	464	442	428	431	428	431	432	430
Beverly Cleary[3]		KG-8	884	897	782	742	717	684	643	619
Boise-Eliot/Humboldt[3]		KG-5	513	483	310	310	319	322	323	321
Bridger	Spanish Immersion	KG-8	291	308	313	323	327	324	329	318
	Neighborhood Program	KG-8	209	223	191	186	178	166	168	168
	Total	KG-8	500	531	504	509	505	490	497	486
Bridlemile[3]		KG-5	511	535	518	521	508	499	498	490
Buckman		KG-5	459	474	450	443	463	461	460	466
Capitol Hill[3]		KG-5	448	442	443	441	430	422	414	413
César Chávez	Spanish Immersion	KG-8	308	291	291	299	308	315	300	306
	Neighborhood Program	KG-8	243	249	259	252	247	227	228	225
	Total	KG-8	551	540	550	551	555	542	528	531
Chapman[3]		KG-5	584	532	484	469	447	444	448	453
Chief Joseph[3]		KG-5	326	363	358	347	336	332	332	331
Creative Science		KG-8	492	479	466	458	452	448	451	450
Creston		KG-8	356	372	361	352	340	349	340	340
Duniway		KG-5	519	499	504	500	478	488	473	466
Faubion[3]		KG-8	481	626	679	718	738	749	752	744
Forest Park[3]		KG-5	455	443	418	415	395	398	376	369
Glencoe		KG-5	492	489	451	441	442	431	431	425
Grout		KG-5	384	392	382	375	373	369	376	377
Harrison Park	Mandarin Immersion	KG-3	0	46	67	88	107	125	139	151
	Neighborhood Program	KG-8	676	592	591	572	544	514	494	480
	Total	KG-8	676	638	658	660	651	639	633	631
Hayhurst[3]	Odyssey Program	KG-8	212	218	239	251	255	255	256	256
	Neighborhood Program	KG-5	340	374	390	404	421	410	402	403
	Total	KG-8	552	592	629	655	676	665	658	659

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

Name	School Program	Grade Range[2]	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Irvington[3]		KG-5	446	459	339	339	357	348	336	324
James John	Spanish Immersion	KG-5	71	89	110	126	121	123	118	118
	Neighborhood Program	KG-5	334	279	237	207	196	198	197	192
	Total	KG-5	405	368	347	333	317	321	315	310
Kelly	Russian Immersion	KG-5	260	218	212	212	201	197	202	211
	Neighborhood Program	KG-5	344	314	286	264	264	265	268	267
	Total	KG-5	604	532	498	476	465	462	470	478
Laurelhurst		KG-8	684	698	692	693	692	690	675	665
Lee[3]		KG-5	447	425	276	271	262	255	249	248
Lent	Spanish Immersion	KG-8	203	205	209	213	211	209	206	211
	Neighborhood Program	KG-8	320	325	298	285	295	291	283	276
	Total	KG-8	523	530	507	498	506	500	489	487
Lewis		KG-5	412	389	390	391	391	388	373	366
Llewellyn		KG-5	517	489	484	494	503	485	489	475
Maplewood[3]		KG-5	384	378	383	399	400	392	387	387
Markham		KG-5	418	456	445	451	445	448	443	435
Marysville		KG-8	358	380	392	393	399	408	393	388
ML King Jr[3]	Mandarin Immersion	KG-5	118	133	155	166	178	185	190	191
	Neighborhood Program	KG-5	249	236	156	141	128	126	113	109
	Total	KG-5	367	369	311	307	306	311	303	300
Peninsula[3]		KG-5	266	279	267	271	269	284	278	279
Richmond		KG-5	649	647	632	627	629	628	628	627
Rieke[3]		KG-5	410	386	379	370	375	377	366	361
Rigler[3]	Spanish Immersion	KG-5	352	339	308	303	298	298	293	300
	Neighborhood Program	N/A	120	102	0	0	0	0	0	0
	Total	KG-5	472	441	308	303	298	298	293	300
Rosa Parks		KG-5	298	272	276	268	267	266	257	255
Rose City Park[3]	Vietnamese Immersion	KG-5	0	0	146	183	194	211	220	228
	Neighborhood Program	KG-5	0	0	386	360	356	346	343	322
	Total	KG-5	0	0	532	543	550	557	563	550
Roseway Heights[3]	Vietnamese Immersion	N/A	73	112	0	0	0	0	0	0
	Neighborhood Program	N/A	570	549	0	0	0	0	0	0
	Total	N/A	643	661	0	0	0	0	0	0
Sabin[3]		KG-5	524	551	452	460	444	437	440	439
Scott[3]	Spanish Immersion	KG-5	192	246	237	228	235	234	236	239
	Neighborhood Program	KG-5	320	275	222	219	190	180	177	172
	Total	KG-5	512	521	459	447	428	419	421	422

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

Name	School Program	Grade Range[2]	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Sitton	Spanish Immersion	KG-5	109	113	129	139	129	116	106	106
	Neighborhood Program	KG-5	292	251	238	230	224	235	242	239
	Total	KG-5	401	364	367	369	353	351	348	345
Skyline		KG-8	300	293	274	274	268	261	254	239
Stephenson[3]		KG-5	340	352	347	362	360	357	356	349
Sunnyside Environmental		KG-8	602	604	581	560	545	556	543	542
Vernon		KG-8	471	522	545	558	560	557	541	539
Vestal		KG-5	381	341	272	259	250	256	247	253
Whitman		KG-5	261	267	238	238	237	233	235	222
Winterhaven		KG-8	353	354	321	310	304	311	312	315
Woodlawn[3]		KG-5	324	326	335	338	343	350	350	341
Woodmere		KG-5	303	286	301	298	302	301	293	285
Woodstock	Mandarin Immersion	KG-5	331	324	314	305	299	299	296	295
	Neighborhood Program	KG-5	196	228	234	251	260	266	263	260
	Total	KG-5	527	552	548	556	559	565	559	555
Elementary Schools Subtotal			**26,464**	**26,448**	**25,091**	**24,997**	**24,825**	**24,693**	**24,339**	**24,122**
Beaumont	Spanish Immersion	6-8	87	111	124	140	140	144	146	136
	Neighborhood Program	6-8	482	480	447	442	454	452	447	421
	Total	6-8	569	591	571	582	594	596	593	557
da Vinci		6-8	461	457	456	455	453	454	454	454
George		6-8	360	417	421	414	402	382	369	345
Gray[3]		6-8	546	536	542	561	555	563	584	552
Hosford	Mandarin Immersion	6-8	167	115	112	120	132	129	131	124
	Neighborhood Program	6-8	464	506	476	504	518	522	507	502
	Total	6-8	631	621	588	624	650	651	638	626
Jackson[3]		6-8	597	659	746	809	863	881	900	862
Lane	Russian Immersion	6-8	38	57	53	50	47	45	47	45
	Neighborhood Program	6-8	405	397	380	384	368	354	351	343
	Total	6-8	443	454	433	434	415	399	398	388
Mt Tabor	Japanese Immersion	6-8	252	254	266	273	278	270	271	274
	Spanish Immersion	6-8	94	69	64	73	81	83	81	79
	Neighborhood Program	6-8	384	395	411	388	394	381	378	385
	Total	6-8	730	718	741	734	753	734	730	738
Ockley Green[3]	Spanish Immersion	6-8	166	109	108	99	103	101	103	100
	Neighborhood Program	6-8	460	422	397	362	367	373	370	365
	Total	6-8	626	531	505	461	470	474	473	465

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

Name	School Program	Grade Range[2]	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Roseway Heights[3]	Spanish Immersion	6-7	0	0	35	66	86	87	86	91
	Vietnamese Immersion	N/A	0	0	0	0	18	33	50	54
	Neighborhood Program	6-8	0	0	553	606	592	532	504	489
	Total	6-8	0	0	588	672	696	652	640	634
Sellwood		6-8	583	589	612	597	586	587	596	596
Tubman[3]		6-8	0	0	491	495	516	498	488	490
West Sylvan[3]	Spanish Immersion	6-8	145	141	143	154	158	154	155	152
	Neighborhood Program	6-8	766	735	679	670	703	692	692	667
	Total	6-8	911	876	822	824	861	846	847	819
Middle Schools Subtotal			**6,457**	**6,449**	**7,516**	**7,662**	**7,814**	**7,717**	**7,710**	**7,526**
Benson		9-12	994	1026	1035	1038	1043	1050	1055	1055
Cleveland	Mandarin Immersion	9-12	97	120	141	137	128	132	127	135
	Neighborhood Program	9-12	1512	1466	1510	1481	1490	1537	1558	1582
	Total	9-12	1609	1586	1651	1618	1618	1669	1685	1717
Franklin	Spanish Immersion	9-12	105	118	140	132	138	149	149	154
	Russian Immersion	9-12	0	18	23	34	33	39	45	46
	Neighborhood Program	9-12	1507	1609	1693	1757	1819	1852	1896	1890
	Total	9-12	1612	1745	1856	1923	1990	2040	2090	2090
Grant[3]	Japanese Immersion	9-12	148	170	208	228	246	233	225	224
	Neighborhood Program	9-12	1328	1342	1430	1512	1546	1603	1615	1614
	Total	9-12	1476	1512	1638	1740	1792	1836	1840	1838
Jefferson		9-12	590	677	656	677	715	697	748	759
Lincoln[3]	Spanish Immersion	9-12	179	164	165	160	161	165	176	181
	Neighborhood Program	9-12	1524	1541	1533	1475	1436	1456	1471	1532
	Total	9-12	1703	1705	1698	1635	1597	1621	1647	1713
Madison[3]	Spanish Immersion	9-12	48	68	68	79	104	104	106	110
	Vietnamese Immersion	N/A	0	0	0	0	0	0	0	14
	Neighborhood Program	9-12	1022	1078	1089	1091	1094	1167	1188	1182
	Total	9-12	1070	1146	1157	1170	1198	1271	1294	1306
Roosevelt	Spanish Immersion	9-12	86	132	127	129	161	172	174	174
	Neighborhood Program	9-12	795	727	867	954	1009	1034	1028	1010
	Total	9-12	881	859	994	1083	1170	1206	1202	1184
Wilson[3]		9-12	1413	1512	1535	1569	1631	1704	1769	1898
High Schools Subtotal			**11,348**	**11,768**	**12,220**	**12,453**	**12,754**	**13,094**	**13,330**	**13,560**
ACCESS		1-8	352	336	297	311	311	312	310	318
Metro. Learning Center		K-12	427	390	404	408	403	404	404	402
Other Schools and Programs		K-12	3261	3293	3180	3125	3153	3277	3238	3186
District Total			**48,309**	**48,684**	**48,708**	**48,956**	**49,260**	**49,497**	**49,331**	**49,114**

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 2019-20; changes since 2016-17 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.

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

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

Boise-Eliot/Humboldt: Effective 2018-19, Boise-Eliot/Humboldt was 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 assigned 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 assigned 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. was 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 moved to Scott.

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

Roseway Heights: Effective 2018-19, Roseway Heights reopened 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 was assigned to Lee, Rose City Park, and Scott for grades K-5.

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

Scott: Effective 2018-19 a boundary change assigned a portion of the former Roseway Heights catchment area to Scott, Scott was reconfigured from K-8 to K-5, and Rigler neighborhood programs moved to Scott.

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

Table C. K-12 Enrollment by School Footnotes (cont.)

Tubman: Effective 2018-19, Tubman re-opened 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.

PSU Population Research Center, April 2019

APPENDIX D

ELEMENTARY SCHOOL ATTENDANCE AREAS

BY HIGH SCHOOL CLUSTER

Table D. Elementary School Attendance Areas by High School Cluster, 2019-20

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

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

	2008-2012			2013-2017			Compare
	Estimate	CV *	Margin of Error (+/-)	Estimate	CV *	Margin of Error (+/-)	Statistically Different?
POPULATION							
Total population	462,367		2,479	500,406		2,778	**
Percent under 18 years	*17.7%*		*0.2%*	*16.8%*		*0.3%*	**
Percent 65 years and over	*10.0%*		*0.1%*	*11.8%*		*0.2%*	**
Median age (years)	36.3		0.2	37.2		0.3	**
Percent white alone, non-Latino	*75.6%*		*0.4%*	*74.9%*		*0.5%*	**
HOUSING							
Total housing units	219,223		930	230,244		807	**
Occupied housing units	205,122		1,292	216,441		1,122	**
Owner occupied	110,534		1,341	116,338		1,401	**
Percent owner-occupied	*53.9%*		*0.6%*	*53.8%*		*0.6%*	
Renter occupied	94,588		1,348	100,103		1,494	**
Vacant housing units***	14,101		1,091	13,803		988	
Vacancy rate	*6.4%*		*0.5%*	*6.0%*		*0.4%*	
Average household size	2.20		0.01	2.26		0.02	**
Renter households paying more than 30 percent of household income on rent plus utilities	*51.5%*		*1.4%*	*50.1%*		*1.2%*	
SOCIAL							
Age 25+ with a bachelor's degree or higher	*49.8%*		*0.7%*	*55.4%*		*0.6%*	**
Foreign-born population	48,620		1,724	54,510		1,927	**
Percent foreign-born	*10.5%*		*0.4%*	*10.9%*		*0.4%*	
Age 5+ language other than English at home	64,307		2,293	71,202		2,774	**
Percent language other than English	*14.7%*		*0.5%*	*15.0%*		*0.5%*	
ECONOMIC							
Median household income (2017 dollars)	$57,669		$1,009	$66,254		$1,158	**
Per capita income (2017 dollars)	$36,954		$537	$41,148		$624	**
Percent of persons below poverty level	*15.4%*		*0.5%*	*14.6%*		*0.5%*	**

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

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

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

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