8-2014

Portland Public Schools Enrollment Forecasts, 2014-15 to 2028-29, Based on October 2013 Enrollments

Portland State University. Population Research Center

PORTLAND PUBLIC SCHOOLS

ENROLLMENT FORECASTS

2014-15 to 2028-29

Based on October 2013 Enrollments

Portland State UNIVERSITY

Population Research Center

AUGUST 2014

PORTLAND PUBLIC SCHOOLS

ENROLLMENT FORECASTS

2014-15 TO 2028-29

Based on October 2013 Enrollments

Portland State UNIVERSITY
Population Research Center

AUGUST 2014

Project Staff:

Charles Rynerson, Principal Investigator

Ryan Dann

Kevin Rancik

CONTENTS

TABLES, CHARTS, AND FIGURES

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 2014-15 to 2028-29. Enrollment forecasts were prepared under high, medium, and low scenarios for the District. Forecasts for attendance areas by place of residence and for individual schools are consistent with the medium district-wide forecast.

Population and Housing Trends

- Between 2000 and 2010, population within the PPS grew by about 34,000, from 426,110 persons to 460,248.

- About half of the District's growth in the 2000s was due to net in-migration; about 17,000 more people moved into the District than moved out of it.

- 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 single family homes permitted within PPS was over 800 each year during the housing boom from 2002 to 2007, and fell to under 400 annually during the recession and slow recovery of 2009 to 2011. In 2013, permits were issued for over 600 new single family homes within PPS.

- Nearly 2,900 multiple family housing units were permitted within PPS in 2013, the largest number since 2007. The number of multiple family units permitted within PPS in 2014 is likely to surpass the 2013 total, based on activity through July 2014.

Enrollment Trends

- In fall 2013, Portland Public Schools (PPS) enrolled 47,127 students in grades K-12, an increase of 610 students from fall 2012.

- For the five year period between 2008-09 and 2013-14, PPS K-12 enrollment grew by 2,103 students, or five percent.

- Since reaching a low in 2006-07, elementary (K-5th) grades have added 3,009 students (14 percent); fall 2013 district-wide K-5th grade enrollment of 24,240 was the largest since 2000-01.

- In the four year period between the 2009-10 low point and 2013-14, the District added 478 6th-8th grade students (five percent); fall 2013 district-wide 6th-8th grade enrollment of 10,303 was the largest since 2004-05.

- Grades 9-12 reached a new low of 12,584 in fall 2013, 162 students fewer than in fall 2012.

- The largest growth among the District's high school clusters has occurred at Cleveland, Grant, and Lincoln; each had 12 to 14 percent more PPS students residing within their cluster boundaries in 2013-14 compared with 2008-09.

- The number of K-5th grade residents increased in all clusters between 2008-09 and 2013-14; 46 percent of the growth occurred in the Cleveland and Grant clusters.

Housing and Enrollment

- The average number of PPS K-12 students per housing unit ranges from 0.05 per condominium unit to 0.40 in the newest single family homes, those built since 2003.

- The average number of PPS K-12 students per home is 0.47 in homes built since 2003 on lots larger than 2,750 square feet, compared with 0.27 students per home in attached homes or homes on smaller lots.

- New buildings dominated by studio and one bedroom apartments are home to about one PPS student per 50 units, while some income-restricted developments with three and four bedroom apartments are home to nearly 100 PPS students per 50 units.

Enrollment Forecasts

For the district-wide forecast, three scenarios of population and enrollment changes were developed: a most-likely, or medium, growth scenario; a scenario for lower growth; and a higher growth scenario. All three of the growth 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 medium scenario, K-12 enrollment increases by an average of more than 400 students annually over the 15 year forecast horizon, reaching 53,403 in 2028-29.

- Elementary growth is slow during the first several years of the medium scenario forecast, as incoming kindergarten classes remain close to or slightly below recent levels due to the local, state, and national birth downturn.

- Middle grade enrollments grow initially under the medium scenario, and high school grades begin to grow significantly by 2016, reflecting the larger cohorts attributable to the elementary growth that began in 2007.

- In the low scenario, K-12 enrollment growth averages about 240 students annually, reaching 50,750 in 2028-29.

- There is virtually no growth in elementary enrollment during the first 10 years of the low scenario forecast; secondary enrollments increase due to the larger elementary cohorts already enrolled in PPS in fall 2013.

- In the high scenario, K-12 enrollment growth averages almost 600 students annually, reaching 56,056 in 2028-29.

- Growth in K-12 enrollment under the high scenario is sustained at a level equal to or higher than the most recent five years since 2008-09, although there is less growth in elementary grades and more growth in secondary grades compared with the 2008-09 to 2013-14 period.

Table 1 contains recent and forecast enrollments by five year intervals. Following the table, Chart 1 depicts annual K-12 enrollment since 2003-04 and forecasts through 2028-29. 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 medium growth scenario.

Table 1
PPS District-wide K-12 Enrollment Forecasts

	Historic		Forecast		
	2008-09	**2013-14**	**2018-19**	**2023-24**	**2028-29**
Medium Growth Scenario	45,024	47,127	49,967	51,934	53,403
5 year change		*2,103*	*2,840*	*1,967*	*1,469*
Low Growth Scenario	45,024	47,127	49,049	49,944	50,750
5 year change		*2,103*	*1,922*	*895*	*806*
High Growth Scenario	45,024	47,127	51,120	54,001	56,056
5 year change		*2,103*	*3,993*	*2,881*	*2,055*

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

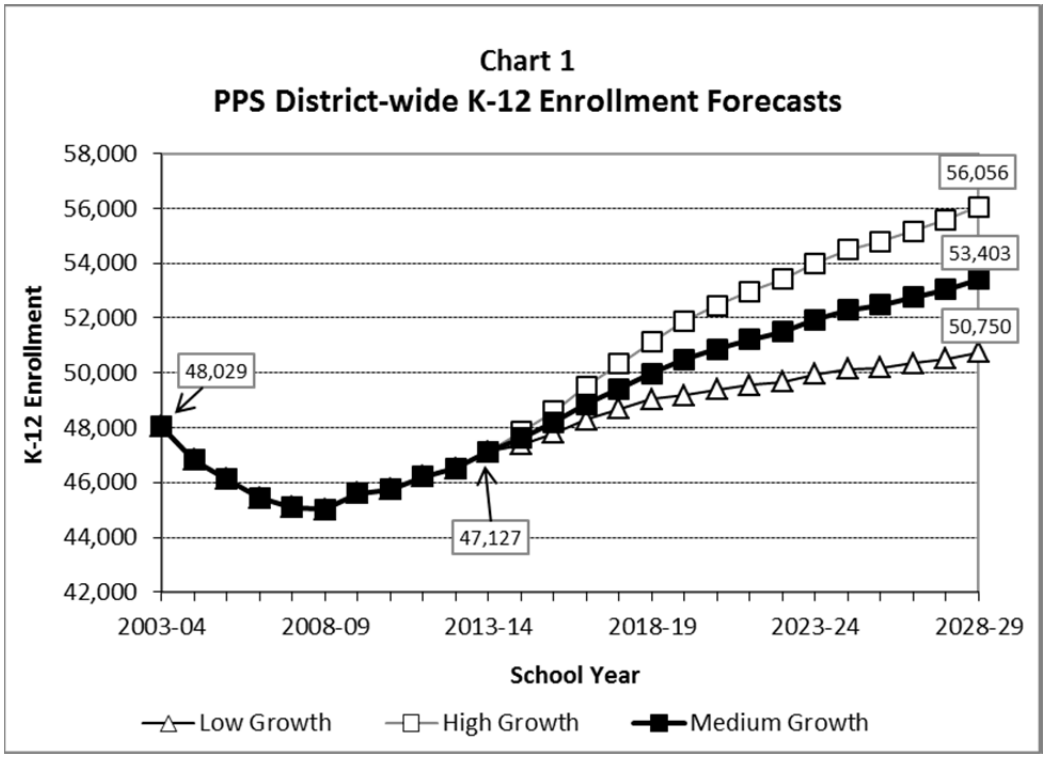


Chart 1
PPS District-wide K-12 Enrollment Forecasts
58,000
56,000
54,000
52,000
50,000
48,000
46,000
44,000
42,000
K-12 Enrollment
56,056
53,403
50,750
48,029
47,127
2003-04
2008-09
2013-14
2018-19
2023-24
2028-29
School Year
Low Growth
High Growth
Medium Growth

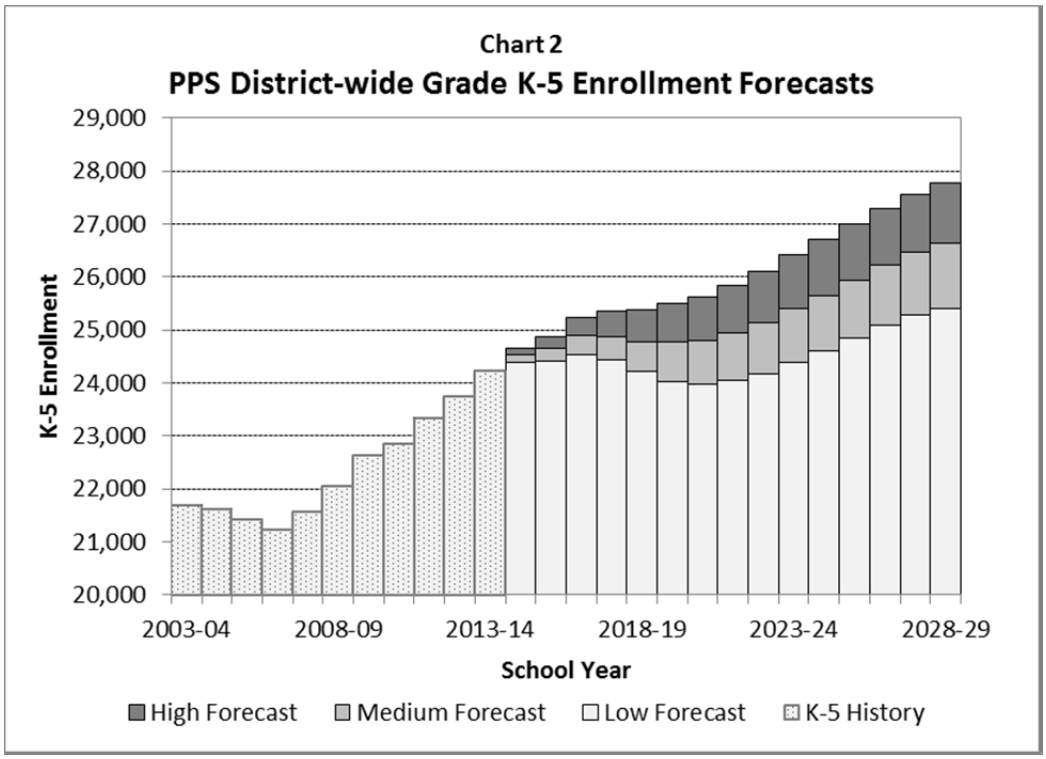


Chart 2
PPS District-wide Grade K-5 Enrollment Forecasts
29,000
28,000
27,000
26,000
25,000
24,000
23,000
22,000
21,000
20,000
K-5 Enrollment
2003-04
2008-09
2013-14
2018-19
2023-24
2028-29
School Year
High Forecast
Medium Forecast
Low Forecast
K-5 History

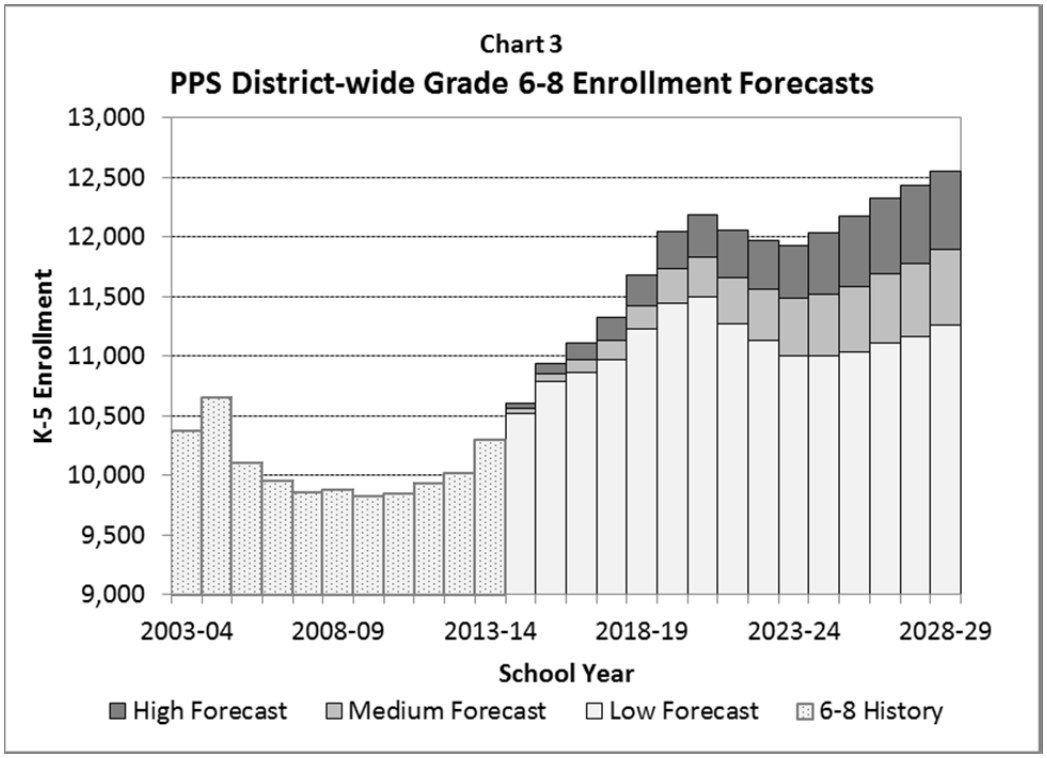


Chart 3
PPS District-wide Grade 6-8 Enrollment Forecasts
13,000
12,500
12,000
11,500
11,000
10,500
10,000
9,500
9,000
K-5 Enrollment
2003-04
2008-09
2013-14
2018-19
2023-24
2028-29
School Year
High Forecast
Medium Forecast
Low Forecast
6-8 History

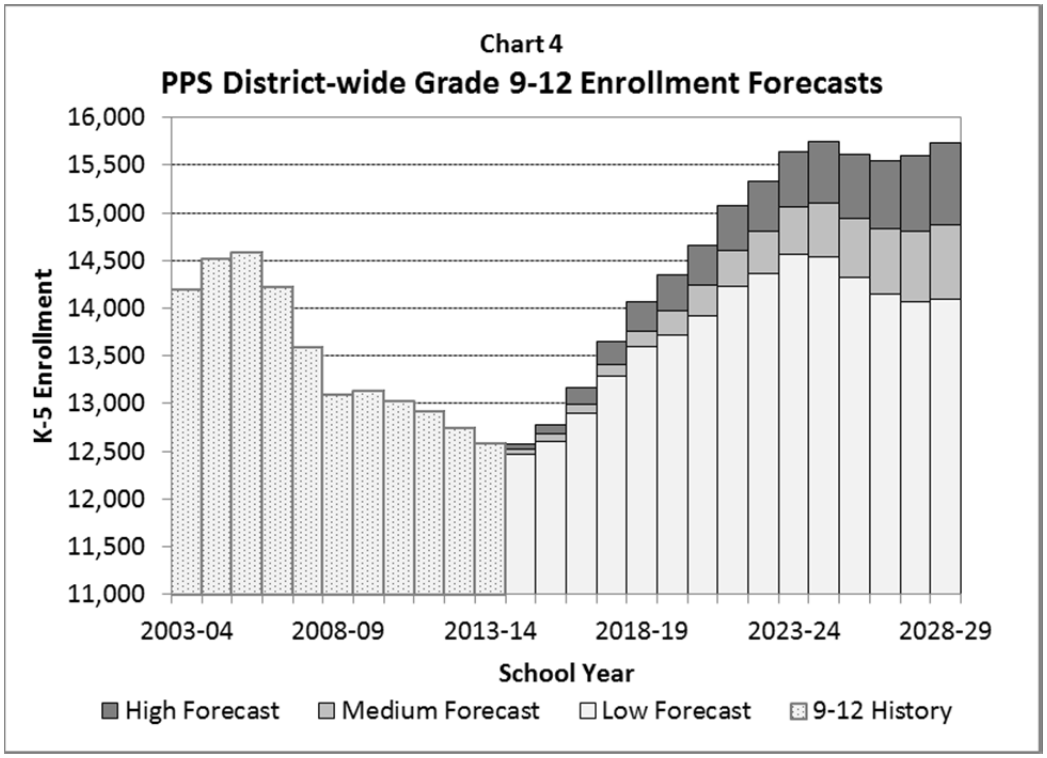


Chart 4
PPS District-wide Grade 9-12 Enrollment Forecasts
16,000
15,500
15,000
14,500
14,000
13,500
13,000
12,500
12,000
11,500
11,000
K-5 Enrollment
2003-04
2008-09
2013-14
2018-19
2023-24
2028-29
School Year
High Forecast
Medium Forecast
Low Forecast
9-12 History

INTRODUCTION

The Population Research Center (PRC) at Portland State University has prepared district-wide and individual school enrollment forecasts for Portland Public Schools (PPS) in each of the past 15 years. This new study updates the previous detailed long-range forecasts prepared in 2013 for district-wide enrollment, and last prepared two years ago, in 2012, for the District, its attendance areas, and individual schools. The appendices of this report contain annual forecasts for the 2014-15 to 2028-29 school years of district-wide enrollment by grade level, PPS students by attendance area of residence, and enrollment at individual schools.

Primary data sources used to prepare these forecasts include historic PPS enrollments through 2013-14, U.S. Census Bureau 2000 and 2010 Decennial Censuses and 2010 to 2012 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 medium growth 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 growth scenarios for the District. All three growth 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 medium 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.

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. The next section, which was not included in the most recent report issued in 2012, explores the relationship between the District's most recent enrollment and its current housing stock. Next are summaries and highlights of the district-wide enrollment forecasts and individual school forecasts, and descriptions of the methodologies used to produce them. The final section contains a brief discussion of the nature and accuracy of forecasts, and appendices contain detailed tables showing A) district-wide enrollment forecasts, B) enrollment forecasts by area of residence, and C) enrollment forecasts by individual school.

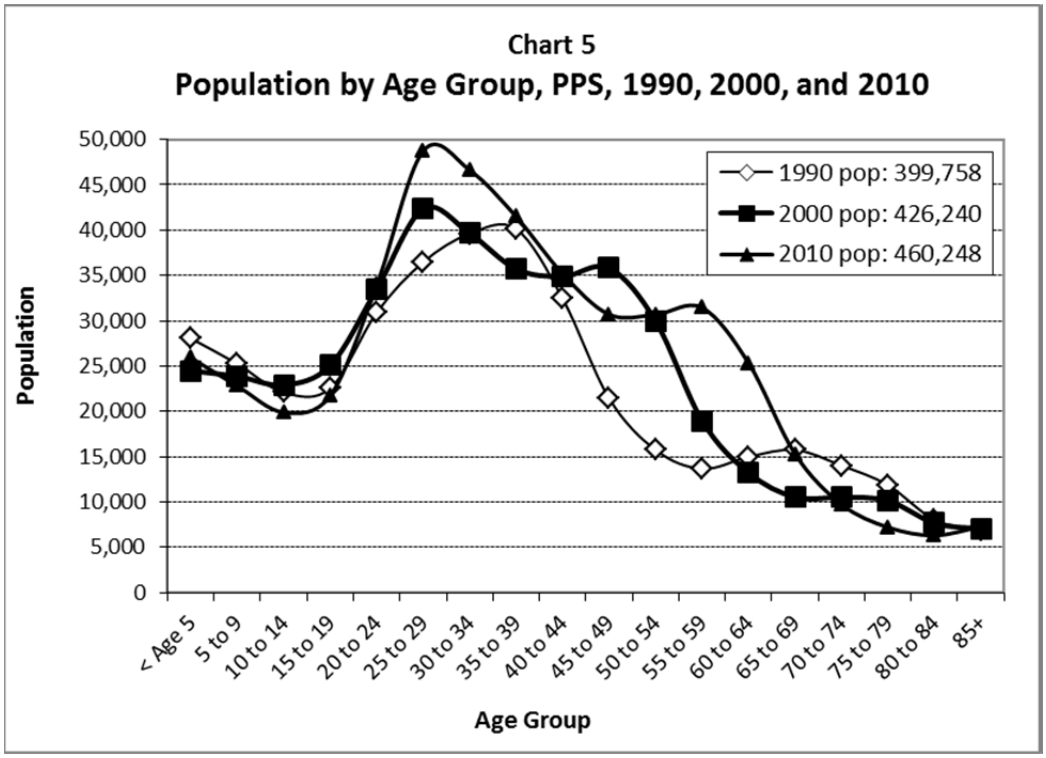
POPULATION AND HOUSING TRENDS

During the decade between 2000 and 2010, population within the PPS grew by about 34,000, from 426,110 persons to 460,248. This surpassed the District's growth of about 26,000 persons in the 1990s. Comparing the 2000s with the 1990s, population growth in the Portland metro area slowed and growth within the PPS area accelerated. However, the District's average annual growth rate (AAGR) of 0.8 percent between 2000 and 2010 remained below the metro area's 1.4 percent AAGR.

Population by Age Group

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

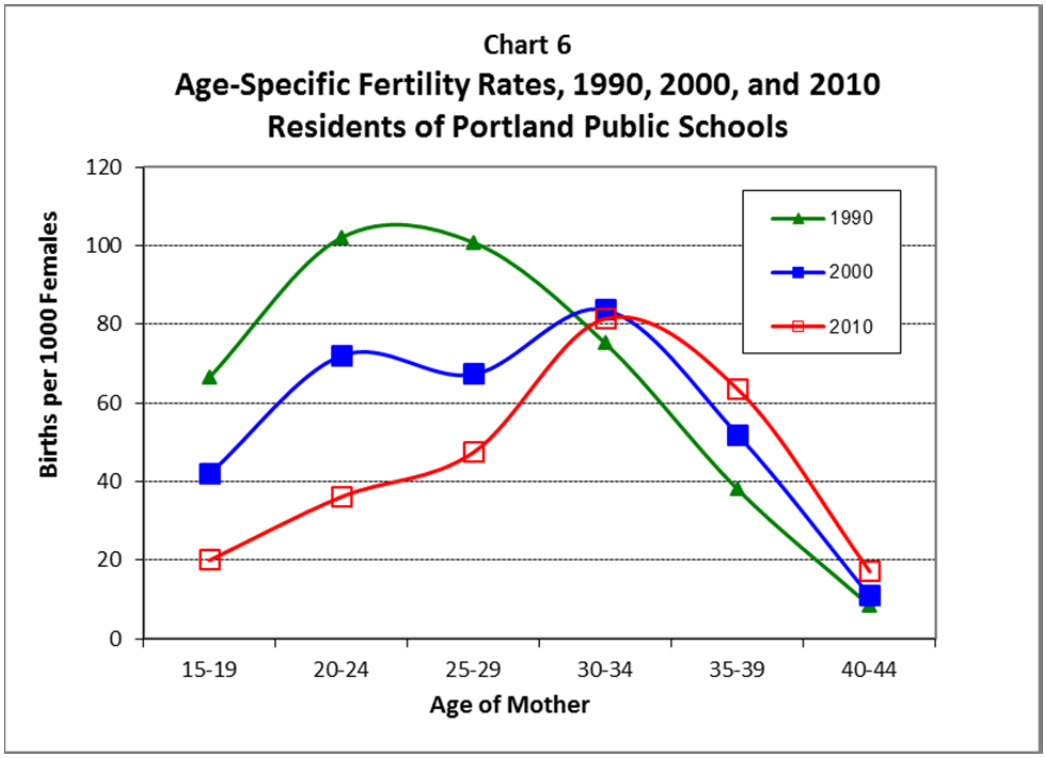
Chart 5 illustrates the growth of the young adult population. In 2000, 25 to 34 year-olds constituted the two largest age groups, with a population of about 82,000 accounting for nearly 18 percent of the District's total population. By 2010 the 95,000 PPS residents age 25 to 34 accounted for nearly 21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



Births

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

The total fertility rate (TFR) is an estimate of the number of children that would be born to the average woman during her child-bearing years based on ASFRs observed at a given time. The estimated TFR for the District was 1.96 in 1990, only slightly lower than the TFR of 2.12 in the remainder of the seven county Portland-Vancouver-Hillsboro Metropolitan Statistical Area (MSA) outside of PPS. The gap between PPS and the MSA grew each decade; 2000 TFRs were 1.64 in PPS and 2.19 in the MSA remainder, and 2010 TFRs were 1.33 in PPS and 1.91 in the MSA remainder.



The huge decline in fertility rates among women under 30 was partly offset by increases among women age 30 and older. Overall increases in the female population age 15 to 44 also helped to prevent the number of PPS births from falling at a level commensurate with the decline in fertility rates. Although there were 11 percent fewer births in 2000 than in 1990, most of the decline occurred between 1990 and 1994. The number of births to PPS residents each year has been relatively stable since the late 1990s, as shown in Chart 7. The decline that occurred after the recent 2007-2008 peak was not as steep among PPS residents as it was nationally or statewide. In the U.S. and in Oregon the number of births declined more than eight percent between 2007 and 2012. Among PPS residents there were just three percent fewer births in 2012 than in 2007.

Table 2 compares births in successive three year periods, covering the most recent nine years for which detailed data by mother's place of residence has been compiled. Like the District, most clusters recorded their highest recent birth totals during the middle period shown in the table, 2007 to 2009. Only the Jefferson and Lincoln clusters had increases in births from the 2007-09 to the 2010-12 period.

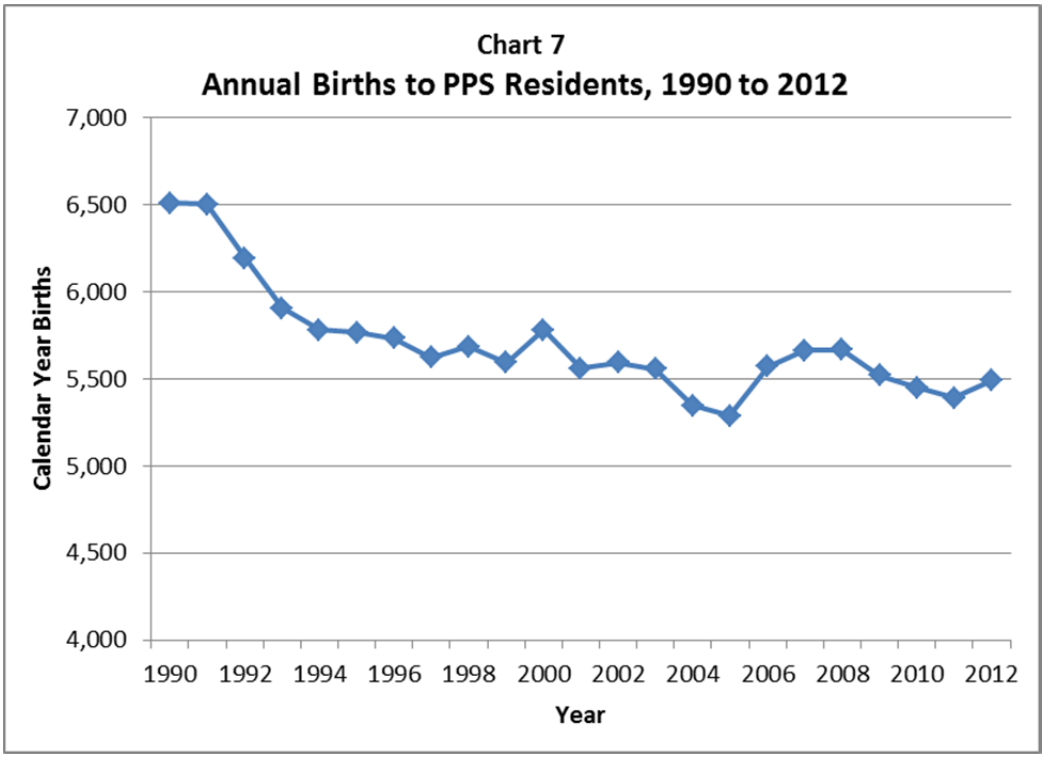


Table 2

Births by High School Cluster

HS Cluster[1]	Three Year Period 2004-06	2007-09	2010-12	2004-06 to 2007-09 change	2007-09 to 2010-12 change
Cleveland	2,394	2,518	2,393	5%	-5%
Franklin	2,807	2,947	2,813	5%	-5%
Grant[2]	1,594	1,491	1,321	-6%	-11%
Jefferson	2,535	2,542	2,579	0%	1%
Lincoln	1,466	1,448	1,558	-1%	8%
Madison[2]	2,134	2,199	2,116	3%	-4%
Roosevelt[2]	1,577	1,875	1,739	19%	-7%
Wilson	1,700	1,829	1,814	8%	-1%
PPS District Total[3]	**16,207**	**16,849**	**16,333**	**4%**	**-3%**

1. High school cluster boundaries in 2014-15.

2. Jefferson Dual Assignment Zone residents are reported in the Jefferson cluster, and not included in the Grant, Madison, or Roosevelt attendance area totals.

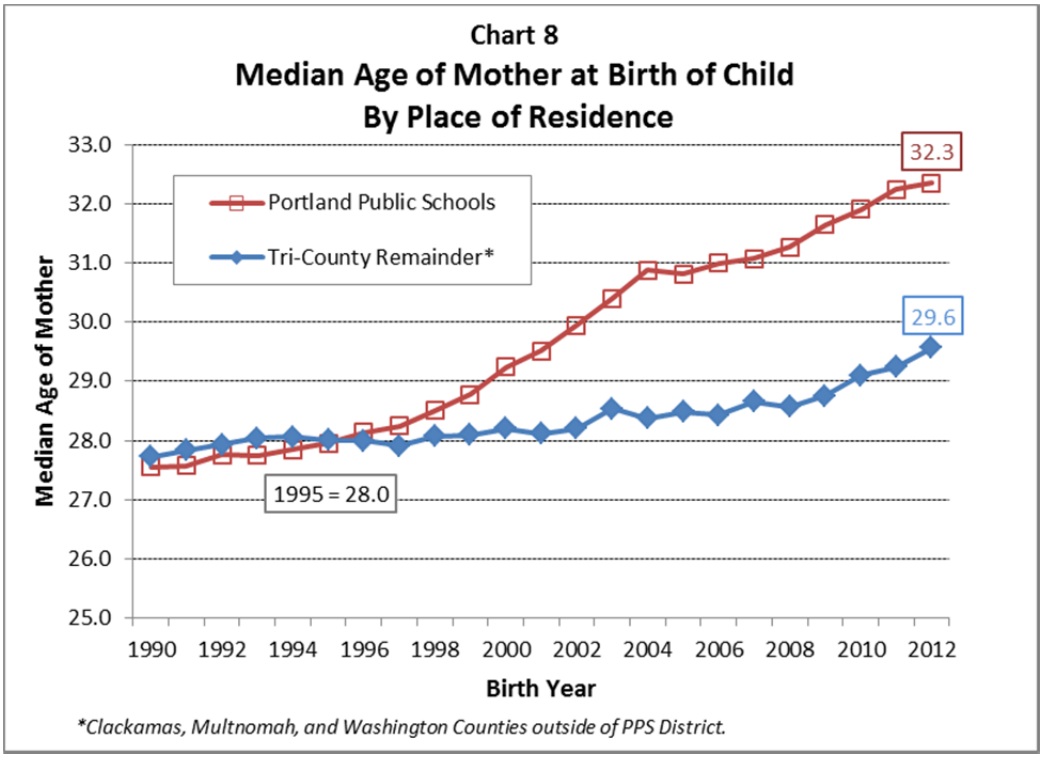
3. Excludes births for which mother's residence could not be determined (one to two percent of the

Source: Oregon Center for Health Statistics; geocoded birth records aggregated to 2014-15 high school cluster boundaries by Population Research Center, PSU.

Although the number of births to District residents has changed very little since the late 1990s, PPS kindergarten enrollment increased by 17.2 percent between 2006-07 and 2013-14, reaching a level not seen since fall 1996. 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. In the past 10 years 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.[1] By 2012, median age for PPS residents giving birth had risen by over four years to 32.3, while median age in suburban areas increased less than two years, to 29.6. The living arrangements of residents who have children at an older age are likely to be



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

more established. Therefore these families are less likely to move out. Recent census data indicate that 46 percent of PPS residents in their 20s move within a 12 month period, compared with only 25 percent of PPS residents in their 30s and 14 percent of PPS residents in their 40s.[2]

Housing and Household Growth

Between 2000 and 2010 about 22,000 housing units were added within PPS, exceeding the 14,600 unit increase of the 1990s. The 11 percent growth of the housing stock surpassed the eight percent population growth because the vacancy rate within the District grew from 5.8 percent in 2000 to 6.5 percent in 2010, and the average number of persons per household fell from 2.23 to 2.18. Households without children under age 18 accounted for all of the net growth in households. Table 3 includes census data for housing units and households.

Table 3
Portland Public Schools
Housing and Household Characteristics, 1990, 2000, and 2010

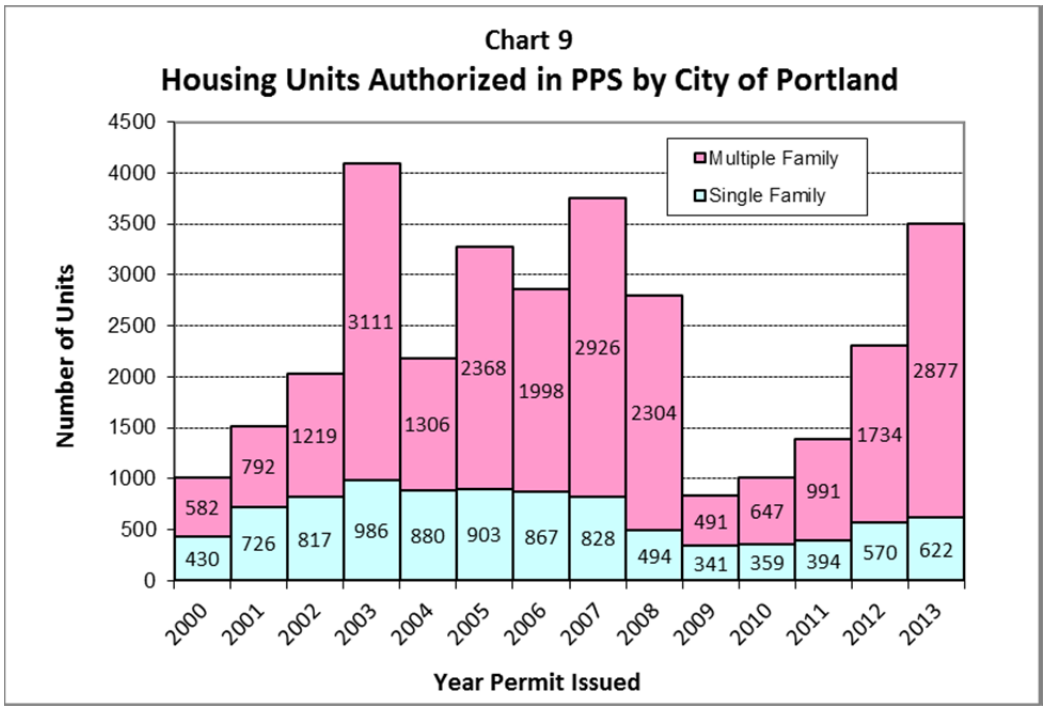
				2000 to 2010 Change	
	1990	2000	2010	Number	Percent
Housing Units	182,630	197,252	219,373	22,121	*11%*
Single Family*	116,411	123,519	130,774	7,255	*6%*
share of total	*64%*	*63%*	*60%*		
Multiple Family*	63,158	71,613	86,273	14,660	*20%*
share of total	*35%*	*36%*	*39%*		
Mobile Home and Other*	3,061	2,120	2,326	206	*10%*
share of total	*2%*	*1%*	*1%*		
Households	172,254	185,822	205,054	19,232	*10%*
Households with children < 18	46,998	46,876	46,450	-426	*-1%*
share of total	*27%*	*25%*	*23%*		
Households with no children < 18	125,256	138,946	158,604	19,658	*14%*
share of total	*73%*	*75%*	*77%*		
Household Population	389,273	413,890	447,004	33,114	*8%*
Persons per Household	2.26	2.23	2.18	-0.05	*-2%*

**Note: The 2010 Census did not include structure type; 2010 figures in this table are distributed from the housing unit total based on structure type data from the 2008-2012 American Community Survey.*

Source: U.S. Census Bureau, 1990, 2000, and 2010 Censuses; data aggregated to PPS boundary by Portland State University Population Research Center.

[2] U.S. Census Bureau, 2008-2012 American Community Survey 5 year estimates, Table B07001.

Chart 9 illustrates the variation in new residential development from year to year. The number of single family homes permitted within PPS was over 800 each year during the housing boom from 2002 to 2007, and fell to under 400 annually during the recession and slow recovery of 2009 to 2011. Multiple family development is even more cyclical, with few units permitted during periods of high unemployment when both in-migration and new household formation slow down. In 2014 the total number of multiple family housing units permitted within PPS is likely to surpass the 2013 total, based on activity through July 2014.



Residential building permits within PPS have been steadily increasing each year since 2009. With the recovery, there has been a notable shift in the location of development. Table 4 shows the emergence of high school cluster areas as new hotbeds of development activity in recent years. In 2013, the Cleveland cluster led the district in both single family and multiple family units permitted, surpassing other clusters that held that distinction earlier in the century. There were about as many multiple family units permitted in the Cleveland cluster in the two year period 2012 and 2013 as there were in the 12 previous years. For the four year period from 2010 to 2013, the Jefferson HSCL had the most single family permits, and Jefferson's 619 multiple family units permitted ranked second among HSCLs in 2013, exceeding the single year total in any other year since 2000. For the four year period from 2010 to 2013, the Lincoln HSCL

had the most overall units permitted, as it also did in the earlier periods shown in Table 4. However, Lincoln's share of total PPS multiple family units fell from 67 percent in 2000-2004 to 42 percent in 2005-2009 and 30 percent in 2010-2013.

Table 4

Housing Units Authorized by City of Portland Building Permits

PPS By High School Cluster, 2000 to 2013

Single Family Units by Year Permit Issued

HS Cluster*	2000 to 2004	2005 to 2009	2010	2011	2012	2013	2010-13 Total
Cleveland	456	514	48	63	100	132	343
Franklin	496	532	62	65	90	120	337
Grant	107	73	9	24	34	44	111
Jefferson	518	393	81	88	170	98	437
Lincoln	811	325	20	28	32	55	135
Madison	405	411	51	31	38	25	145
Roosevelt	561	659	53	52	67	90	262
Wilson	485	526	35	43	39	58	175
PPS Total	**3,839**	**3,433**	**359**	**394**	**570**	**622**	**1,945**

Multiple Family Units by Year Permit Issued

HS Cluster*	2000 to 2004	2005 to 2009	2010	2011	2012	2013	2010-13 Total
Cleveland	522	524	43	131	409	786	1,369
Franklin	313	303	20	43	85	318	466
Grant	137	156	99	72	61	312	544
Jefferson	225	1,242	88	92	317	619	1,116
Lincoln	4,707	4,242	285	424	712	432	1,853
Madison	595	417	6	3	19	6	34
Roosevelt	365	871	101	10	7	250	368
Wilson	146	2,332	5	216	124	154	499
PPS Total	**7,010**	**10,087**	**647**	**991**	**1,734**	**2,877**	**6,249**

**Note: Data for all years shown for current (2014-15) high school cluster areas.*

Source: Data files from City of Portland Planning Department; processed and aggregated to PPS attendance areas by Population Research Center, PSU.

ENROLLMENT TRENDS

In fall 2013, Portland Public Schools (PPS) enrolled 47,127 students in grades K-12, an increase of 610 students from fall 2012. This is the fifth consecutive year of enrollment growth, following 12 consecutive years of enrollment losses that occurred between 1996-97 and 2008-09. For the five year period since 2008-09, PPS K-12 enrollment has grown by 2,103 students, or five percent.

Most of the growth has occurred at the elementary level, which has added enrollment each year since 2007-08. During these seven years since 2006-07, elementary grades have added 3,009 students (14 percent), and fall 2013 district-wide K-5 enrollment of 24,240 was the largest since the 2000-01 school year.

Enrollment in middle grades, 6th-8th, has also recovered from its 2009-10 low point. Middle grades enrollment has increased each of the past four years. Between fall 2012 and fall 2013 PPS middle grade enrollment increased by 283 students, surpassing the growth of less than 100 students each of the previous three years. For the entire four year period between 2009-10 and 2013-14, the District added 478 students (five percent) in grades 6-8. Fall 2013 enrollment of 10,303 was the largest since the 2004-05 school year.

In contrast to elementary and middle school enrollment, high school grades have yet to experience a rebound. Grades 9-12 reached a new low of 12,584 in fall 2013, 162 students fewer than in fall 2012. When high school age students formerly counted as ungraded are included in grades 9-12, PPS high school enrollment has declined in 13 of the last 15 years, and losing 2,361 students (16 percent) in the 10 years since 2003-04.

On the next page, Table 5 summarizes the K-12 enrollment history for the District by grade level annually from 2003-04 to 2013-14.[3]

[3] 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, 2003-04 to 2013-14

Grade	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
K	3,546	3,589	3,643	3,620	3,803	3,951	4,073	3,995	4,064	4,277	4,244
1	3,700	3,742	3,618	3,696	3,760	3,825	4,007	4,091	4,037	4,146	4,369
2	3,660	3,608	3,612	3,549	3,629	3,739	3,782	3,894	4,029	3,937	4,082
3	3,663	3,600	3,505	3,501	3,545	3,598	3,730	3,727	3,898	3,918	3,864
4	3,486	3,653	3,537	3,436	3,460	3,528	3,542	3,682	3,721	3,813	3,906
5	3,637	3,442	3,505	3,429	3,376	3,412	3,496	3,479	3,597	3,660	3,775
6	3,341	3,547	3,233	3,383	3,354	3,250	3,318	3,354	3,396	3,467	3,547
7	3,511	3,501	3,458	3,163	3,369	3,295	3,254	3,299	3,310	3,336	3,407
8	3,523	3,608	3,420	3,411	3,143	3,335	3,253	3,192	3,230	3,217	3,349
9	3,558	3,753	3,570	3,481	3,356	3,147	3,349	3,176	3,082	3,065	3,057
10	3,577	3,654	3,734	3,558	3,323	3,316	3,121	3,339	3,256	3,111	3,055
11	3,396	3,548	3,624	3,581	3,341	3,244	3,165	3,026	3,181	3,090	2,990
12	3,662	3,573	3,663	3,610	3,571	3,384	3,502	3,487	3,405	3,480	3,482
UN*	1,769	5	0	28	53	0	0	0	0	0	0
Total	**48,029**	**46,823**	**46,122**	**45,446**	**45,083**	**45,024**	**45,592**	**45,741**	**46,206**	**46,517**	**47,127**
Annual change		*-1,206* *-2.5%*	*-701* *-1.5%*	*-676* *-1.5%*	*-363* *-0.8%*	*-59* *-0.1%*	*568* *1.3%*	*149* *0.3%*	*465* *1.0%*	*311* *0.7%*	*610* *1.3%*
K-5	21,692	21,634	21,420	21,231	21,573	22,053	22,630	22,868	23,346	23,751	24,240
6-8	10,375	10,656	10,111	9,957	9,866	9,880	9,825	9,845	9,936	10,020	10,303
9-12	14,193	14,528	14,591	14,230	13,591	13,091	13,137	13,028	12,924	12,746	12,584

	5 Year Change: 2003-04 to 2008-09		5 Year Change: 2008-09 to 2013-14		10 Year Change: 2003-04 to 2013-14	
	Change	**Pct.**	**Change**	**Pct.**	**Change**	**Pct.**
K-5	361	*2%*	2,187	*10%*	2,548	*12%*
6-8	-495	*-5%*	423	*4%*	-72	*-1%*
9-12	-1,102	*-8%*	-507	*-4%*	-1,609	*-11%*
UN*	-1,769	*-100%*	0	*0%*	-1,769	*-100%*
Total	**-3,005**	***-6%***	**2,103**	***5%***	**-902**	***-2%***

**UN were ungraded, unassigned, or unclassified students, e.g., special education students who attended special education classes in separate classrooms.*
Source: Portland Public Schools Enrollment Summaries.

Private and Home School Enrollment and 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, so 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.[4] 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. In previous reports those students were included in the capture rate calculation.

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.

[4] A similar table was included in the 2011 report, but it compared TOTAL enrollment (PPS residents AND students residing outside of the district) with census population, so capture rates were reported as higher than those shown in Table 6 of this report.

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

The long form of the 1990 and 2000 censuses and the more recent ACS included questions about school enrollment by level and by type (public or private). Estimates based on these questions indicate that the share of District residents enrolled in private schools increased from 11.2 percent in 1990 to 12.9 percent in 2000 and 12.5 percent in 2010-2012. According to 2010-2012 ACS estimates, the biggest increase in private school share has occurred at the high school level. The estimates of public and private school share for PPS based on these Census Bureau sample surveys are shown in Table 7.

Table 7

School Enrollment by Type of School

Residents of Portland Public School District

Census Data: 1990, 2000 & 2010-2012

	1990	2000	2010-12	
			estimate	MOE*
Enrolled in 1st-12th grade	53,499	56,288	50,688	*+/-1,859*
Public Schools	47,494	49,031	44,328	*+/-1,729*
Private Schools	6,005	7,257	6,360	*+/-712*
Private Share	*11.2%*	*12.9%*	*12.5%*	*+/- 1.5%*
Enrolled in 1st-8th grade	N/A	37,415	35,117	*+/-1,589*
Public Schools		32,315	30,785	*+/-1,472*
Private Schools		5,100	4,332	*+/-580*
Private Share		*13.6%*	*12.3%*	*+/- 1.7%*
Enrolled in 9th-12th grade	N/A	18,874	15,571	*+/-965*
Public Schools		16,716	13,543	*+/-908*
Private Schools		2,158	2,028	*+/-413*
Private Share		*11.4%*	*13.0%*	*+/- 2.8%*

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

Sources: 1990 Census, Summary Tape File 3, Table P54 (PPS area estimated by PRC);
2000 Census, Summary File 3, Table P36 (PPS area estimated by PRC);
2010-2012 American Community Survey, Table C14002 (tabulated for PPS area by Census Bureau).

Home Schooling

Another difference between public school enrollment and total school age population can be attributed to home schooling. Home schooled children age 7 to 18 living in the District are required to register with MESD, though the registry is not an exact count because families who move out of the area are not required to drop their registration.

In 2011-12, there were 997 PPS residents in the MESD's home school registry, representing about 2.0 percent of its age 7 to 18 population. PPS enrolled 49 percent of the public school students in the MESD service area in 2011-12, and its home school share was similar, comprising 47 percent of the MESD registry of 2,102 children residing in the eight MESD districts. By 2013-14, the number of PPS residents in the registry had increased to 1,103, about 2.2 percent of the District's age 7 to 18 population. High school age students are somewhat overrepresented in the registry compared with younger children. In 2013-14, the number of PPS residents registered in grades 9-12 was 486, an increase from 430 in 2011-12. The number of younger children (grades 2-8) was 617, an increase from 567 in 2011-12.[5]

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. Using student points matched by address in a geographic information system, we can tabulate the number of PPS students (including charter schools) by grade level 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. Attendance area boundaries are unchanged from 2013-14 to 2014-15; high school cluster boundaries have not changed since

[5] Home schooled students in Portland Public Schools by grade from correspondence with Jodi Seaburn, MESD, January 17, 2012 and June 4, 2014. MESD total for 2011-12 from Oregon Department of Education, at http://www.ode.state.or.us/search/page/?id=2081, retrieved on February 11, 2014.

2011-12. All historic data in this report showing numbers of students by attendance area or cluster are tabulated for the latest boundaries in place for the 2014-15 school year.

High school clusters (HSCLs) are composed of the elementary school attendance areas (ESAAs) in the high schools' feeder patterns. There is one middle school attendance area (MSAA) that is split between two high school attendance Areas (HSAAs). That is Beaumont, which includes the Alameda ESAA (Grant cluster) and Rigler ESAA (Madison cluster). However, the HSCL assignments are based on ESAAs, so tables in this report include Beaumont MSAA residents in their respective HSCLs based on their ESAA.

District-wide K-12 enrollment increased by five percent between 2008-09 and 2013-14, but there was wide variation in growth rates among HSCLs. Table 8 reports the total number of residents of each high school cluster enrolled in PPS schools. Two of the District's eight clusters, Jefferson and Wilson, had net losses in the number of K-12 PPS enrolled residents over the five year period, while Cleveland, Grant, and Lincoln had 12 to 14 percent more PPS students residing within their cluster boundaries in 2013-14 compared with 2008-09.

The number of K-5th grade residents has increased in all clusters, with 46 percent of the District's K-5 growth occurring in the Cleveland and Grant clusters. Each of the District's eight HSCLs added at least five percent to their PPS K-5 population between 2008-09 and 2013-14; Cleveland and Grant each added 19 percent.

The Jefferson, Roosevelt, and Wilson HSCLs each had fewer middle grades residents in 2013-14 than in 2008-09, while each of the other five clusters had growth rates that surpassed the district-wide 6th-8th grade growth rate of four percent over the five year period.

Lincoln was the only HSCL with a net gain of high school age residents over the five year period. Cleveland and Grant had slightly fewer 9th-12th grade residents in 2013-14 than in 2008-09, while the largest net losses in PPS high school residents occurred at Madison (nine percent), Jefferson (11 percent), and Wilson (17 percent).

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

HS Cluster (2014-15)*	Grades	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	5 year change	
								Number	Percent
Cleveland	K-5	3,045	3,166	3,357	3,491	3,594	3,625	580	*19%*
	6-8	1,311	1,317	1,354	1,367	1,403	1,501	190	*14%*
	9-12	1,739	1,798	1,788	1,768	1,794	1,713	-26	*-1%*
	Total	**6,095**	**6,281**	**6,499**	**6,626**	**6,791**	**6,839**	**744**	***12%***
Franklin	K-5	3,869	3,859	3,968	4,025	4,068	4,150	281	*7%*
	6-8	1,669	1,604	1,620	1,711	1,728	1,772	103	*6%*
	9-12	2,093	2,008	1,991	2,041	1,987	1,988	-105	*-5%*
	Total	**7,631**	**7,471**	**7,579**	**7,777**	**7,783**	**7,910**	**279**	***4%***
Grant	K-5	2,282	2,409	2,537	2,588	2,600	2,711	429	*19%*
	6-8	975	1,020	1,047	1,075	1,138	1,187	212	*22%*
	9-12	1,336	1,346	1,374	1,350	1,365	1,318	-18	*-1%*
	Total	**4,593**	**4,775**	**4,958**	**5,013**	**5,103**	**5,216**	**623**	***14%***
Jefferson	K-5	2,901	2,885	2,878	2,906	3,021	3,034	133	*5%*
	6-8	1,302	1,255	1,228	1,189	1,146	1,114	-188	*-14%*
	9-12	1,631	1,650	1,556	1,514	1,527	1,445	-186	*-11%*
	Total	**5,834**	**5,790**	**5,662**	**5,609**	**5,694**	**5,593**	**-241**	***-4%***
Lincoln	K-5	2,041	2,095	2,105	2,150	2,205	2,256	215	*11%*
	6-8	952	972	974	969	1,012	1,085	133	*14%*
	9-12	1,345	1,385	1,431	1,483	1,546	1,580	235	*17%*
	Total	**4,338**	**4,452**	**4,510**	**4,602**	**4,763**	**4,921**	**583**	***13%***
Madison	K-5	2,834	2,884	2,905	2,931	2,995	3,004	170	*6%*
	6-8	1,262	1,269	1,255	1,311	1,289	1,329	67	*5%*
	9-12	1,701	1,697	1,700	1,678	1,619	1,547	-154	*-9%*
	Total	**5,797**	**5,850**	**5,860**	**5,920**	**5,903**	**5,880**	**83**	***1%***
Roosevelt	K-5	2,453	2,460	2,424	2,450	2,465	2,583	130	*5%*
	6-8	1,072	1,067	1,094	1,081	1,067	1,027	-45	*-4%*
	9-12	1,344	1,358	1,343	1,311	1,292	1,305	-39	*-3%*
	Total	**4,869**	**4,885**	**4,861**	**4,842**	**4,824**	**4,915**	**46**	***1%***
Wilson	K-5	2,178	2,290	2,235	2,342	2,314	2,343	165	*8%*
	6-8	1,160	1,097	1,064	1,037	1,034	1,087	-73	*-6%*
	9-12	1,566	1,496	1,499	1,450	1,316	1,301	-265	*-17%*
	Total	**4,904**	**4,883**	**4,798**	**4,829**	**4,664**	**4,731**	**-173**	***-4%***
Out of District	K-5	450	582	459	463	489	534	84	*19%*
	6-8	177	224	209	196	203	201	24	*14%*
	9-12	336	399	346	329	300	387	51	*15%*
	Total	**963**	**1,205**	**1,014**	**988**	**992**	**1,122**	**159**	***17%***
PPS District Totals	K-5	22,053	22,630	22,868	23,346	23,751	24,240	2,187	*10%*
	6-8	9,880	9,825	9,845	9,936	10,020	10,303	423	*4%*
	9-12	13,091	13,137	13,028	12,924	12,746	12,584	-507	*-4%*
	Total	**45,024**	**45,592**	**45,741**	**46,206**	**46,517**	**47,127**	**2,103**	***5%***

**Note: 2014-15 cluster boundaries have been in place since 2011-12. Previous years are also tabulated by 2014-15 boundaries for comparability.*

HOUSING AND ENROLLMENT

How many children are expected to live in future new homes and attend PPS schools? Because each development is unique, the number of resident public school students per home may depend on factors including affordability, proximity to schools, the number of bedrooms, and the presence or absence of child-friendly amenities within the development and in the surrounding neighborhood. However, district-wide average student generation rates (SGRs) stratified by various housing types may be useful as a baseline for estimating potential student generation from planned and proposed developments. Furthermore, measuring the number of students in older homes helps to explain the "aging in place" phenomenon that can lead to enrollment losses as families age.

Using data from Metro, we compiled a current housing inventory in a spatial file based on parcels that differentiates single family homes, duplexes/triplexes, apartments, condominiums, and manufactured home parks. We then combined this file with student address points from fall 2013 in order to quantify the number of students by housing type.

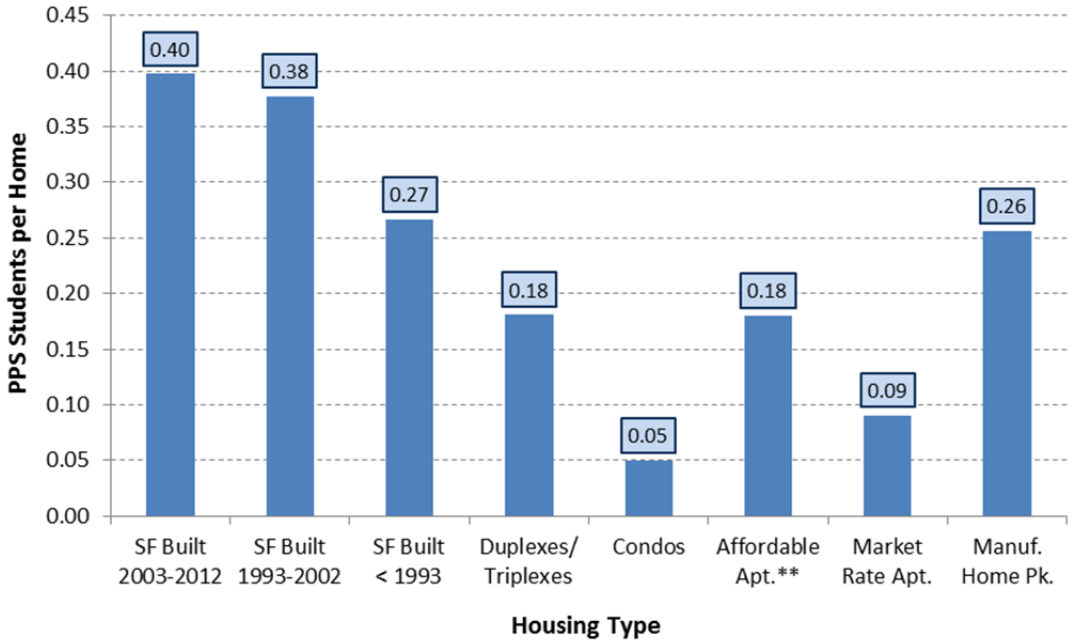
From our work measuring SGRs in suburban Portland districts, we have observed that single family homes less than 10 years old consistently have the greatest average number of students, while those 20 years old and older have the fewest. This trend is also evident in Portland Public Schools. For District homes less than 10 years old, the average number of PPS K-12 students per single family home was 0.40, or four students in every 10 new homes. This is somewhat lower than rates that we have measured for new single family homes in recent studies for suburban districts.[6] Homes built between 1993 and 2002 had a lower K-12 average of 0.38 students, and homes built before 1993 have an average of just 0.27 PPS K-12 students per home.

Chart 10 depicts these rates by age of single family home as well as rates for other types of homes. Among multi-family homes, the highest SGRs are found in duplexes and triplexes (0.18) and affordable rental apartments (0.18). Among affordable units designed for families, rates

[6] For example, 0.73 in the David Douglas School District in fall 2013, 0.64 in the North Clackamas School District, 0.62 in the Lake Oswego School District, and 0.48 in the Oregon City School District in fall 2012, and 0.53 in the Gresham-Barlow School District in fall 2011.

Chart 10

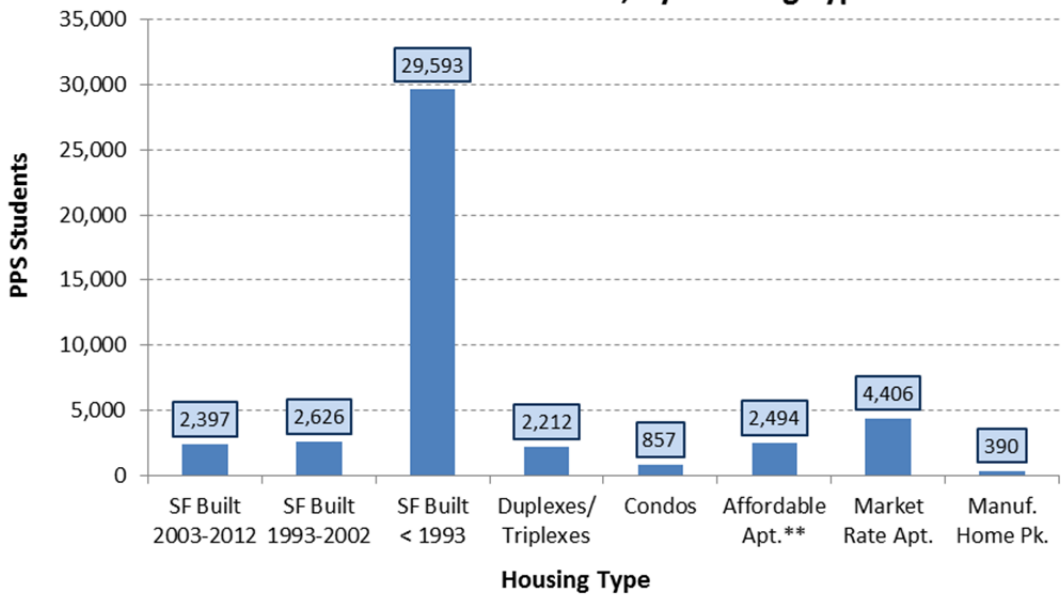
Fall 2013 PPS K-12 Students per Home, by Housing Type



***Apartments included in Metro's affordable housing inventory.*

Chart 11

Fall 2013 PPS K-12 Students, by Housing Type*



**Does not include out-of-district students or residents of houseboats, group facilities, other.*

***Apartments included in Metro's affordable housing inventory.*

are much higher than this average, because the affordable housing stock from which the rate was calculated also includes many workforce and single room occupancy units. Chart 11 shows the number of students residing in homes of each type, with single family homes accounting for about 76 percent of resident PPS students.

The SGRs are presented in greater detail in Table 9, including grade level detail and, for single family homes built in the last two decades, lot size. Homes on lots smaller than 2,750 square feet are generally attached, or "skinny" houses; homes on these lots are categorized as row homes in the table, while homes on lots larger than 2,750 square feet are categorized as detached homes. There are fewer PPS students, on average, in homes on smaller lots compare with those on larger lots. Row homes built since 2003 average 0.27 K-12 students, compared with 0.47 for detached homes.

Table 9
Average Number of PPS Students per Home, Fall 2013
By Housing Type and Grade Level

	Grade Level			
	K-5	**6-8**	**9-12**	**K-12**
Single family homes built 2003-2012	0.21	0.09	0.10	**0.40**
detached homes built 2003-2012	*0.25*	*0.10*	*0.11*	***0.47***
row homes built 2003-2012	*0.14*	*0.06*	*0.07*	***0.27***
Single family homes built 1993-2002	0.17	0.09	0.12	**0.38**
detached homes built 1993-2002	*0.19*	*0.11*	*0.14*	***0.44***
row homes built 1993-2002	*0.08*	*0.04*	*0.05*	***0.18***
Single family homes built before 1993	0.14	0.06	0.07	**0.27**
Condominiums	0.03	0.01	0.01	**0.05**
Apartments (4+ unit buildings)	0.06	0.02	0.03	**0.11**
affordable	*0.10*	*0.03*	*0.04*	***0.18***
market rate	*0.05*	*0.02*	*0.02*	***0.09***
Duplexes and Triplexes	0.09	0.04	0.05	**0.18**
Manufactured homes in M.H. Parks	0.14	0.05	0.07	**0.26**

Source: Data compiled by PSU-PRC, using PPS student data and geographic shape files from Metro RLIS. Excludes single family homes with unknown year built and senior housing developments.

In the current wave of multiple family developments within PPS, a large majority of units are one bedroom or smaller market-rate rental apartments, in large buildings along major transit

corridors. Some of the buildings include two bedroom units, while others have exclusively one bedroom or studio units. We identified 17 buildings completed in 2012 and early 2013, containing 1,007 apartment units, and found that they were home to only 20 PPS K-12 students in fall 2013, or one student per 50 units. While the number of PPS students in these developments may grow over time, and the large number of units in the pipeline may contribute to enrollment growth in some of the District's schools, the number of PPS students per unit is likely to remain low unless larger, affordable units are included in the mix. We have measured SGRs of nearly 2.00 in income-restricted three bedroom units, or 100 times the number of students per unit as in the market-rate smaller units. This variation illustrates the challenge of anticipating the number of students in future multiple family developments without more detailed information than simply the number of units.

The City of Portland is updating its Comprehensive Plan, a long-range 20-year plan that sets the framework for the physical development of the city.[7] In its scenario planning, the City has identified 11 housing types based on recent development trends, suitable for a diverse mix of future households, considering the age of householders, income, household size, and presence of children. Citywide, about 80 percent of new housing units are expected to be in multifamily units.[8] The 11 housing types are illustrated in Figure 1 on the following page, excerpted from the Growth Scenarios Background Report. We added the text accompanying each household type showing the average number of PPS K-12 students per unit, based on comparable units that existed in fall 2013.

[7] City of Portland, Comprehensive Plan Update, at http://www.portlandoregon.gov/bps/57352.

[8] Comprehensive Plan Update, Growth Scenarios Report, City of Portland, May 2013. Retrieved at http://www.portlandoregon.gov/bps/article/449310.

Table 10. Housing Types

Excerpt from *Comprehensive Plan Update, Growth Scenarios Report*, City of Portland, May 2013. Full document at http://www.portlandoregon.gov/bps/article/449310. Estimated K-12 Student Generation Rates for PPS added by PSU-PRC (red text)

SINGLE FAMILY RESIDENCES

Detached House

A one- to three-story detached, single family dwelling on its own lot. Typically, lot size is more than 5,000 square feet.

<10 years old 0.47
10-19 years old 0.44
20+ years old 0.27

Small Lot Single Family Residence

A one- to three-story detached, single family dwelling on its own lot, but a smaller (2500 sq foot) lot.

<10 years old 0.27
10-19 years old 0.18
20+ years old 0.15

Attached House (Medium Density)

Characterized by individual units that share a common wall, with each unit on its own lot. Examples include townhomes and rowhouses.

<10 years old 0.27
10-19 years old 0.18
20+ years old 0.15

Attached House (High Density)

Characterized by individual units that share a common wall. Many high-density attached houses include shared open space amenities in backyards or courtyards. Examples include duplexes, triplexes and units with shared courtyards.

0.18

CORRIDOR APARTMENTS

Plex

A dwelling having apartments with separate entrances to six or more units. This includes two-story houses having a complete apartment on each floor and side-by-side apartments on a single lot that share a common wall.

0.18

Corridor Apartment

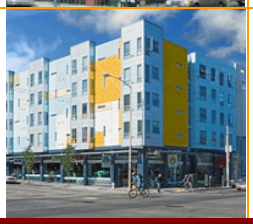
A four-story residential apartment building, typically with one on-street entrance and internal entrances to individual units.

0.03

Neighborhood Mixed Use

A four-story residential apartment building with commercial uses on the ground floor.

0.03



Single Room Occupancy Unit (SRO)

A studio apartment that does not have its own washing, laundry and kitchen facilities. Examples include affordable housing projects, assisted living facilities and college dormitories.

0.00

MID- TO HIGH-RISE APARTMENTS

Mid-Rise Mixed Use (Small Units)

A six- to ten-story building with ground floor office or retail uses. Allocated units of this type tend to be predominantly studios and one-bedroom units and tend to have smaller units.

0.02

Mid-Rise Mixed Use (Large Units)

A six- to ten-story building with ground floor office or retail uses. Typical units are larger, one- to four-bedroom units, and have a smaller number of studio units as part of the overall mix.

0.11

High-Rise Tower

A 10+ story building containing residential apartments or condominium units. In addition to spectacular views, most high rises offer their residents a full range of amenities. Building features may include 24-hour concierge service, swimming pools, spas, saunas, tennis courts, exercise areas, party rooms and guest suites.

0.02

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 medium growth 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 growth scenarios for the District. All three growth 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 medium growth forecast.

- Third, forecasts of PPS students by grade level residing within elementary, middle, and high school attendance areas are prepared within each cluster, with attendance area resident forecasts controlled to the HSCL forecasts. This step includes forecasts of residents and non-residents attending each neighborhood school.

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

District-wide Population and Enrollment Forecasts: Methodology

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

Cohort-Component Model for District Residents

To ensure that enrollment forecasts are consistent with the dynamics of likely population growth within the District, a grade progression enrollment model is combined with a demographic cohort-component model used to forecast population for the District by age and sex. The **components** of population change are births, deaths, and migration. An area's population grows when births outnumber deaths and when more people move into an area than out of it. These events occur at different rates for persons of different age groups, or **cohorts**. For example, people tend to relocate the most when they are in their 20s and the elderly have a lower chance than people in their 40s to survive over a ten year period. Using age-specific fertility rates, age-sex specific mortality rates, age-sex specific migration rates, estimates of recent net migration levels, and forecasts of future migration levels, each component is applied to the base year population in a manner that simulates the actual dynamics of population change.

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

We estimated the number of births to women residing within the District each year from 1999 to 2012, 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. Small increases in fertility rates in future years are implemented because 2010 rates were unusually low as a result of the recession, and to reflect the long term trend of increases among women age 30 and older.[9] The TFR increases from 1.33 in 2010 to 1.34 in 2020 and 1.37 in 2030.

[9] "In a Down Economy, Fewer Births." Pew Research Center, Pew Social & Demographic Trends, October 2011.

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.

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

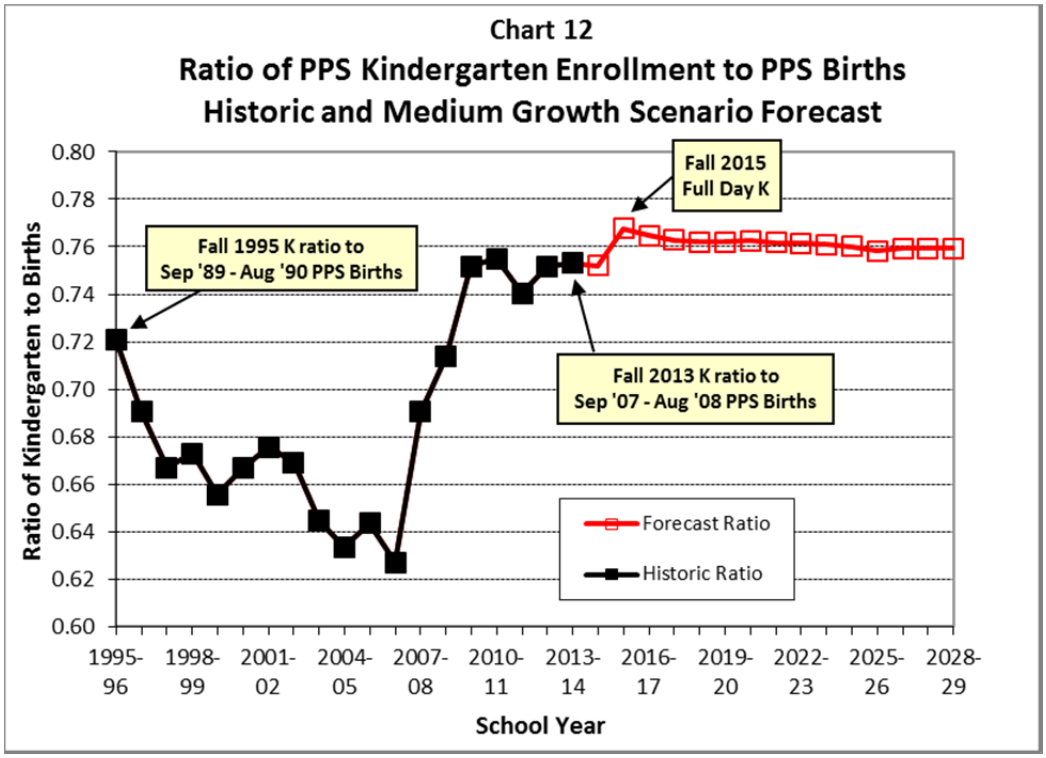
Grade Progression Model for PPS Students Residing Outside of the District.

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

A simple linear trend is used to forecast out-of-district PPS kindergarten students. 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

The ratio of PPS kindergarten enrollment to corresponding PPS resident births is shown in Chart 12 The decline in this ratio from the late 1990s to mid-2000s contributed to significant losses in elementary enrollment that persisted until 2006-07. For the four years from 2003-04 to 2006-07, the ratio bottomed out in the range between 0.62 and 0.64. That means that there were 36 to 38 percent fewer PPS kindergarten students than births within PPS five years earlier, due to a combination of negative net migration and the District's capture rates. For three consecutive years after 2006-07, big increases in kindergarten enrollment pushed the ratio up to 0.75, and it has remained near that level for five years. This ratio is not explicitly used in the forecast models, but it may provide a helpful context to explain enrollment growth. Future ratios calculated by comparing kindergarten enrollment forecasts and births in the medium forecast scenario are included in the chart. Five years of stability suggest that larger kindergarten classes are the "new normal." However, the ratio increases slightly beginning in 2015-16, when tuition-free full-day kindergarten becomes standard throughout the District.



The differences between the three scenarios are the result of different assumptions about the levels of net migration (the net movement into and out of the District). Assumptions about

mortality, fertility, and capture rates during the 15 year forecast horizon do not vary between the three scenarios. Fertility rates remain close to levels observed in 2010. Because the models use actual births through 2012, unforeseen shifts in fertility could impact enrollments beginning with the 2018-19 kindergarten class. Small changes in capture rates occur based on the cumulative impact of individual families choosing whether to enroll in District schools or alternatives including private schools. However, neither fertility nor capture rate changes are likely to affect enrollment to the extent that changes in migration could.

Total population within the District grew by about 26,000 persons between 1990 and 2000; the growth increased to 34,000 persons between 2000 and 2010. In both decades, PPS population grew due to net in-migration as well as natural increase (more births than deaths). The larger numeric growth in the 2000s was entirely attributable to increased net migration, which accounted for about half of the net population increase between 2000 and 2010. The first two columns in Chart 13 show the increase from about 9,000 to over 17,000 net migrants.

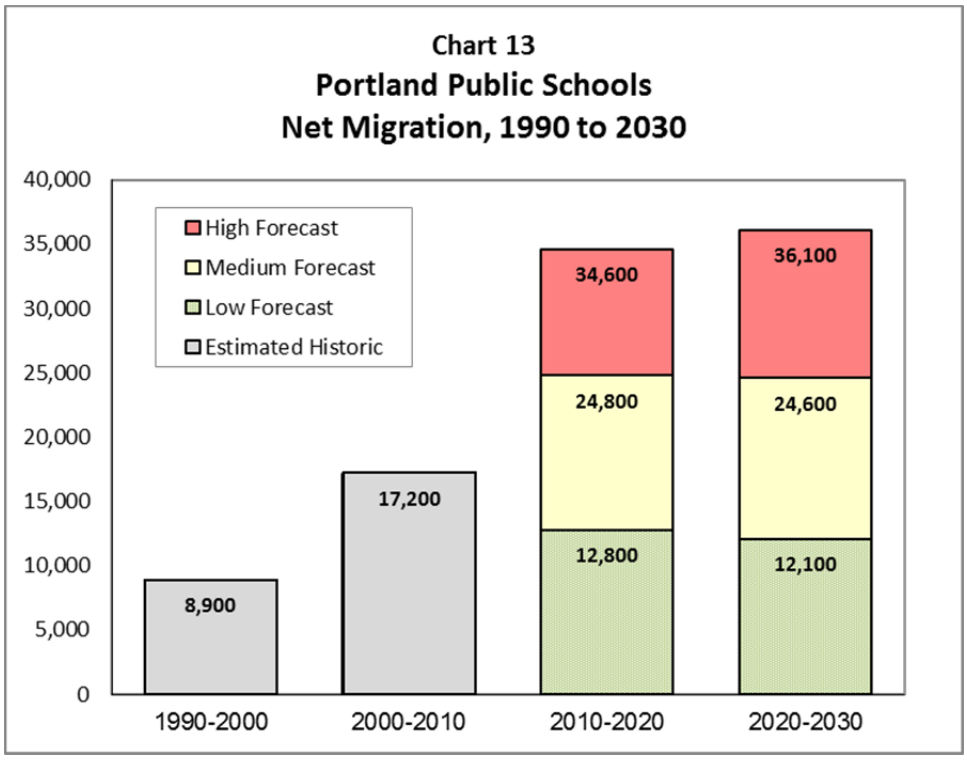
While the overall level of net migration drives growth in total population, assumptions about the age distribution of future migrants are critical drivers of school-age population. The columns in Chart 14 show net migration by age group between 2000 and 2010, with large inflows among cohorts who were age 20 to 34 at the end of the decade, and small outflows among every other cohort. In aggregate numbers, the net inflow of 48,000 young adults was partly offset by the net outflow of 31,000 others, resulting in the net gain of 17,000 residents. This pattern was similar to the 1990s, when the only cohorts with positive net migration were those age 20 to 34 in 2000, accounting for a net inflow of 40,000 young adults offset by net outflow of 31,000 others.

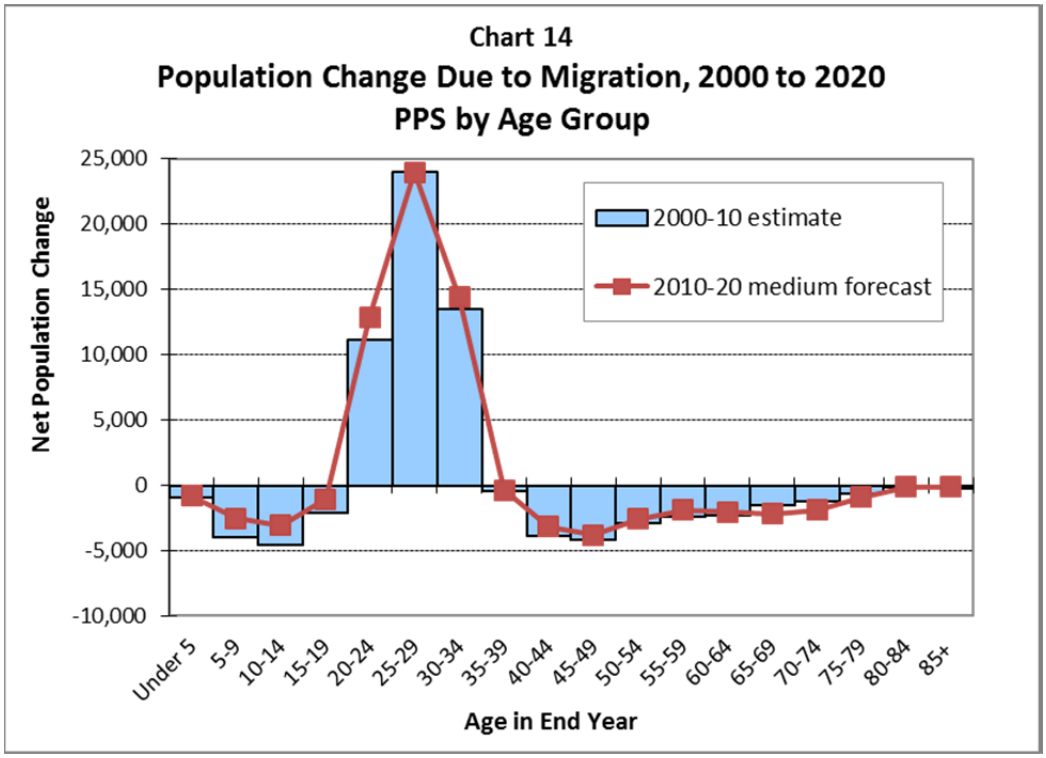
The medium scenario includes future net migration levels even greater than in the 2000 to 2010 decade. Chart 13 shows the increase from about 17,000 estimated in the 2000s to nearly 25,000 forecast each decade in the 2010s and 2020s. The age distribution of net migration in the 2010s, depicted by the line in Chart 14, remains similar to the 1990s and 2000s, but assumes a slightly larger inflow of young adults and a slightly smaller outflow at other age groups. Total population growth in the medium scenario increases from 34,000 (eight percent) observed in the 2000s to 40,500 (nine percent) in the 2010s, but slows to about 36,000 (seven percent) in the 2020s. Total births increase each decade, but total deaths increase faster as the population

ages. Therefore, the contribution of natural increase to population growth will decrease throughout the forecast horizon. If future rates of household formation by age group remain at their 2010 levels, the medium scenario would be consistent with an increase of about 42,000 households within PPS between 2010 and 2030.

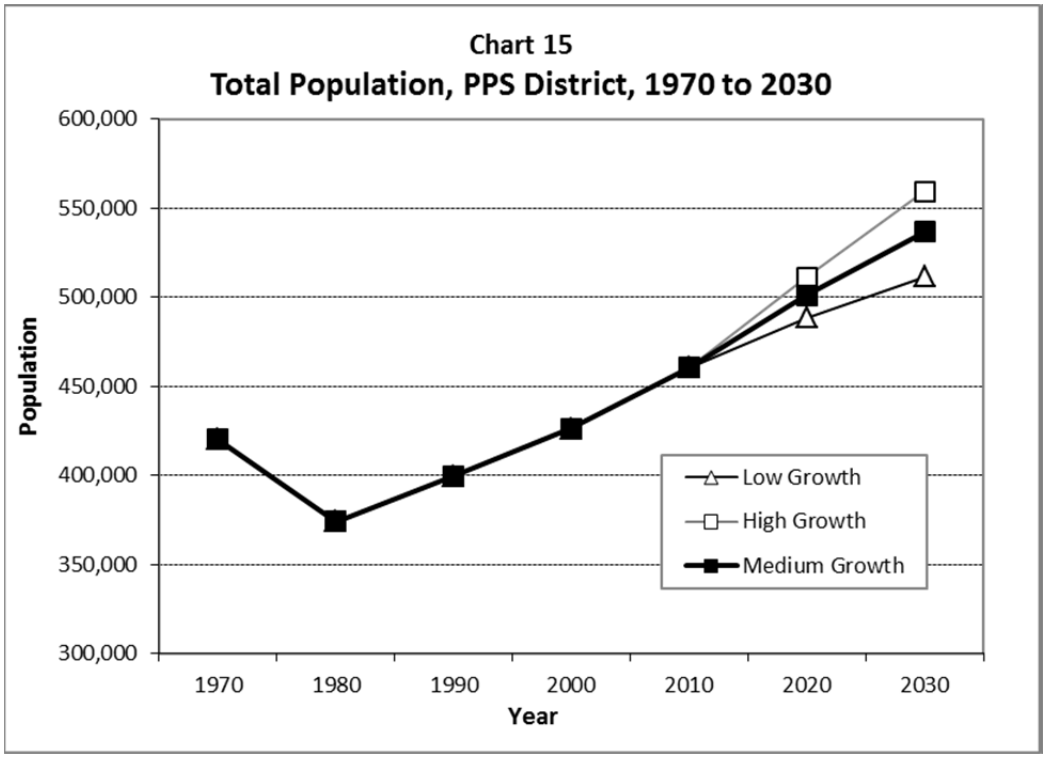
The low scenario includes less growth due to net migration each decade than was observed between 2000 and 2010. With net migration of less than 13,000 each decade, overall population growth slows to 28,000 (six percent) in the 2010s, and 23,000 (five percent) in the 2020s. If future rates of household formation by age group remain at their 2010 levels, the low scenario would be consistent with an increase of about 30,000 households within PPS between 2010 and 2030.

The high scenario includes future positive net migration levels about twice as large as in 2000 to 2010, increasing to nearly 35,000 between 2010 and 2020, and over 36,000 between 2020 and 2030. Overall population growth increases to 51,000 (11 percent) in the 2010s, and 48,000 (nine percent) in the 2020s. If future rates of household formation by age group remain at their 2010 levels, the high scenario would be consistent with an increase of about 52,000 households within PPS between 2010 and 2030.





The total population forecast under each scenario is illustrated in Chart 15. 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, but at different rates. By 2030, the District's population is about 511,000 in the low forecast, 537,000 in the medium forecast, and 559,000 in the high forecast.



In the medium scenario, K-12 enrollment increases by an average of more than 400 students annually over the 15 year forecast horizon, reaching 53,403 in 2028-29. Elementary growth is slow during the first several 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. Middle grade enrollments grow initially, and high school grades begin to grow significantly by 2016, reflecting the larger cohorts attributable to the elementary growth that began in 2007.

In the low scenario, K-12 enrollment growth averages about 240 students annually, reaching 50,750 in 2028-29. There is virtually no growth in elementary enrollment during the first 10 years of the forecast; secondary enrollments increase due to the larger elementary cohorts already enrolled in PPS in fall 2013.

In the high scenario, K-12 enrollment growth averages almost 600 students annually, reaching 56,056 in 2028-29. Growth is sustained at a level equal to or higher than the most recent five years since 2008-09, although there is less growth in elementary grades and more growth in secondary grades compared with the 2008-09 to 2013-14 period.

Enrollment forecasts in five year increments based on these three district-wide forecast scenarios are summarized in Table 10. Five years of history are included in the table for comparison. Detailed forecasts by year and by individual grade are in Appendix A.

Table 10
PPS District-wide Forecasts by Grade Level

MEDIUM Growth Scenario

	Historic		Forecast		
	2008-09	**2013-14**	**2018-19**	**2023-24**	**2028-29**
Grades K-5	22,053	24,240	24,779	25,394	26,639
5 year change		*2,187*	*539*	*615*	*1,245*
Grades 6-8	9,880	10,303	11,423	11,482	11,894
5 year change		*423*	*1,120*	*59*	*412*
Grades 9-12	13,091	12,584	13,765	15,058	14,870
5 year change		*-507*	*1,181*	*1,293*	*-188*
Total K-12	**45,024**	**47,127**	**49,967**	**51,934**	**53,403**
5 year change		***2,103***	***2,840***	***1,967***	***1,469***

LOW Growth Scenario

	Historic		Forecast		
	2008-09	**2013-14**	**2018-19**	**2023-24**	**2028-29**
Grades K-5	22,053	24,240	24,225	24,382	25,402
5 year change		*2,187*	*-15*	*157*	*1,020*
Grades 6-8	9,880	10,303	11,226	11,001	11,259
5 year change		*423*	*923*	*-225*	*258*
Grades 9-12	13,091	12,584	13,598	14,561	14,089
5 year change		*-507*	*1,014*	*963*	*-472*
Total K-12	**45,024**	**47,127**	**49,049**	**49,944**	**50,750**
5 year change		***2,103***	***1,922***	***895***	***806***

HIGH Growth Scenario

	Historic		Forecast		
	2008-09	**2013-14**	**2018-19**	**2023-24**	**2028-29**
Grades K-5	22,053	24,240	25,378	26,424	27,768
5 year change		*2,187*	*1,138*	*1,046*	*1,344*
Grades 6-8	9,880	10,303	11,675	11,932	12,554
5 year change		*423*	*1,372*	*257*	*622*
Grades 9-12	13,091	12,584	14,067	15,645	15,734
5 year change		*-507*	*1,483*	*1,578*	*89*
Total K-12	**45,024**	**47,127**	**51,120**	**54,001**	**56,056**
5 year change		***2,103***	***3,993***	***2,881***	***2,055***

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

Resident Enrollment Forecasts by High School Cluster: Methodology

Grade progression models are used to forecast the number of PPS students residing in each of the District's eight high school clusters (HSCLs). The HSCL models utilize birth data allocated to each HSCL and the ratios of kindergarten enrollment to corresponding births. For example, 843 births occurred to women living within the Cleveland HSCL (2014-15 boundaries) between September 1, 2007 and August 31, 2008. These children would be eligible to enroll in PPS kindergarten in fall 2013 if they remained PPS residents. In fall 2013, there were 599 PPS students residing in the Cleveland HSCL, so the ratio of kindergarten to births was 599 ÷ 843 = 0.711. The kindergarten forecasts use a weighted average of the ratios from the most recent three years, adjusted to account for outliers and controlled to match the district-wide resident kindergarten forecast. Birth counts available through 2012 were used in the kindergarten forecasts until 2017-18. For subsequent years, HSCL shares of district-wide births were used to forecast future kindergarten enrollments. Adjustments to these shares 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.

At the time that these forecasts were prepared, Portland had not yet adopted a preferred scenario for household and employment growth under its comprehensive plan. Three of the four alternative scenarios added between 95,000 and 100,000 housing units within PPS between 2010 and 2035. That would be a significant increase over the 2010 housing stock of about 219,000 units. However, enrollment will grow at a much slower rate than the rate of housing growth due to decreases in household size and an increasing share of smaller housing units associated with changing demand and limited land supply. Given the expected mix of new housing under an average of the alternative scenarios, a housing-based model using SGRs specific to the 11 housing types shown in the "Enrollment and Housing" section of this report (Figure 1) produced district-wide enrollment growth similar to the medium scenario cohort-component forecast. Results of the housing model for each HSCL were not used explicitly in the

model, but they influenced the final adjustments of GPRs as well as HSCL shares of district-wide births and kindergarten to birth ratios.

Resident Enrollment Forecasts by High School Cluster: Results

Resident growth is forecast in all clusters in each forecast increment. The Lincoln and Wilson clusters are expected to contain the greatest number of new housing units, and they have the largest numeric and percentage enrollment growth. Current trends and enrollment momentum also play a role in the forecasts of growth by HSCL. For example, there is less future housing growth expected in the Grant HSCL than in most of the other PPS clusters, but its recent growth in the earliest grades and its high ratio of kindergarten residents to births results in the third highest percentage K-12 growth among HSCLs.

Table 11 presents summaries of the resident forecasts for high school clusters for 2018-19, 2023-24, and 2028-29. 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 11
Portland Public Schools Forecast K-12 Enrollment
By High School Cluster of Residence

HS Cluster[1]	2013-14 Actual	2018-19 Forecast	2023-24 Forecast	2028-29 Forecast	'13 to '28 Change		'13 to '28 Average Annual Change	
Cleveland	6,839	7,418	7,575	7,813	974	*14%*	65	*0.9%*
Franklin	7,910	8,288	8,580	8,732	822	*10%*	55	*0.7%*
Grant[2]	5,216	5,638	5,818	5,986	770	*15%*	51	*0.9%*
Jefferson	5,593	5,860	6,172	6,372	779	*14%*	52	*0.9%*
Lincoln	4,921	5,362	5,600	5,983	1,062	*22%*	71	*1.3%*
Madison[2]	5,880	6,006	6,191	6,297	417	*7%*	28	*0.5%*
Roosevelt[2]	4,915	5,163	5,377	5,405	490	*10%*	33	*0.6%*
Wilson	4,731	5,175	5,514	5,710	979	*21%*	65	*1.3%*
Out of District	1,122	1,057	1,107	1,105	-17	*-2%*	-1	*-0.1%*
PPS Total	**47,127**	**49,967**	**51,934**	**53,403**	**6,276**	***13%***	**418**	***0.8%***

1. For all years, students are counted by 2014-15 cluster boundaries.

2. Jefferson Dual Assignment Zone residents are reported in the Jefferson cluster, and not included in the Grant, Madison, or Roosevelt attendance area totals.

Resident Enrollment Forecasts by Attendance Area: Methodology

To prepare the small area enrollment forecasts, we built models for each HSCL that include resident forecasts for each elementary school attendance area (ESAA) for grades K-12. Several years of historic enrollment by residence are included to establish trends in kindergarten enrollment and grade progressions. Kindergarten forecasts are based on historic shares of HSCL kindergarten residents, with minor adjustments based on expected housing growth among 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.

Resident Enrollment Forecasts by Attendance Area: Results

Forecasts of the future number of students by residence are usually more reliable than individual school forecasts because they are less likely to be affected by the non-demographic factors that can affect individual school enrollments due to the changing shares of neighborhood children enrolling in their neighborhood school. Forecasts by residence are useful for a variety of scenarios for school planning.

Resident forecasts by 2014-15 attendance areas 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 2014-15 to 2028-29, the same horizon as the district-wide forecasts.

Enrollment Forecasts for Individual Schools: Methodology

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

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

Nonresident enrollment at individual neighborhood schools is based on historic trends and information about the number of school choice lottery transfer slots or special programs such as language immersion. Some neighborhood schools that have limited classroom space are closed to new lottery transfers and will gradually reduce their non-resident enrollment.[10]

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

The forecasts for eight schools and programs that do not have a neighborhood boundary also are grade progression models similar to the non-resident portion for the neighborhood schools. The "other schools and programs" category is computed as the residual of district-wide enrollment minus grade level enrollments at each of the neighborhood and non-neighborhood

[10] Information about school choice and the historic number of lottery transfer slots at each school is available at http://www.pps.k12.or.us/departments/enrollment-transfer/schoolchoice.htm. The number of slots that were available during the 2014-15 cycle may be found at http://www.pps.k12.or.us/files/enrollment-transfer/14-15_Appl_FINAL-English_updated.pdf.

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 2014-15 boundaries and grade configurations for all schools throughout the 15 year forecast horizon. They incorporate known changes based on decisions made by the School Board such as expansion of immersion programs. While reduction in non-resident enrollment may occur based on the number of lottery transfers, school capacities do not constrain the forecasts.

Recent boundary changes result in some forecast enrollment relief at two schools. In 2012, portions of the Alameda ESAA were reassigned to Sabin and Irvington, and in 2013 a portion of the Llewellyn ESAA was reassigned to Duniway. Because students living in the boundary change areas could remain at their school, and new, co-enrolled siblings could also attend with the older students, the enrollments at Alameda and Duniway fall gradually over the first several years of the forecast.

The forecasts for several other schools assume that reductions in non-resident enrollment will help to stabilize total enrollment, or will result in enrollment growth at a lower rate than if non-resident enrollments were maintained at their current levels. Schools with significant reductions in non-resident enrollments include Arleta, Astor, Beverly Cleary, and Laurelhurst K-8 schools, as well as Cleveland, Franklin, and Lincoln high schools.

New immersion programs or expansion of existing programs results in non-resident enrollment growth at several schools, and may also result in an increase in resident shares at those schools. New programs in Mandarin at King and Vietnamese at Roseway Heights are factors in the increasing enrollments forecast at those K-8 schools, and the existing Russian immersion program at Kelly Elementary contributes to non-resident growth as two classrooms of immersion enter kindergarten each year. These forecasts maintain the current articulation patterns for immersion programs, which results in non-resident growth due to more Japanese

immersion students at Mt. Tabor Middle and Grant High schools, and Russian Immersion students at Lane Middle School.

Enrollments are stable at most of the non-neighborhood schools, with similar numbers of students at each grade year after year. An exception in these forecasts is ACCESS, which will add students at the 3rd, 4th, and 6th grade levels in fall 2014, according to District plans. While still configured as a 1st to 8th grade school, it is forecast to grow from 236 students in fall 2013 to 308 students in fall 2014. The other non-neighborhood school at which significant growth is expected is Benson High School, where the enrollment cap is being raised to 900 students.[11]

Appendix C includes annual enrollment forecasts by grade level (K-2, 3-5, 6-8, and 9-12) for each of the District's neighborhood schools and eight schools and programs that do not have a neighborhood boundary (ACCESS, Benson High, Creative Science, da Vinci, Metropolitan Learning Center, Odyssey, Richmond, and Winterhaven). PPS students not attending any of the schools listed in the tables are combined in the "Other Schools and Programs" category. These include other focus/alternative programs, community based programs, special services, and public charter schools.

[11] News about the Board vote to raise Benson's enrollment cap is available at http://www.pps.k12.or.us/news/9429.htm.

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 15th consecutive year that PRC has conducted enrollment forecasts for PPS. Table 12 compares the total K-12 forecasts from each of the past 10 series with the actual K-12 enrollments through 2013-14. The "base year" indicates the most recent actual enrollment that PRC researchers used when they prepared the forecasts.

The earliest forecasts shown in the table predicted that enrollment would fall each year until 2011-12 and then increase slightly. The actual enrollment decline only persisted until 2008-09, and the subsequent increases were much greater than forecast, resulting in steadily increasing errors — as great as 9.5 percent for 2013-14 forecasts done six and seven years previously. District-wide forecasts prepared over the most recent four years have been much more accurate. Actual K-12 enrollments have been slightly higher than the medium scenario forecasts, but generally not more than one half of a percent, falling between the medium and high scenario forecasts.

Overall K-12 enrollment forecasts 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 13 reports grade level errors in the medium growth scenario forecasts for 2013-14. The three and four year forecasts based on 2009-10 and 2010-11 enrollments had average grade level errors of over three percent, whereas the one year forecasts based on 2012-13 enrollments had average grade level errors of less than one percent. One year forecast errors for six of the 13 grades were less than one half of one percent. One year forecasts for 9th grade (2.7 percent high) and 12th grade (2.0 percent low) were the least reliable.

Table 12
District-wide Forecast Error

School Year	Actual Enroll.[1]	K-12 Enrollment Forecasts by Base Year[2]									
		'03-'04	'04-'05	'05-'06	'06-'07	'07-'08	'08-'09	'09-'10	'10-'11	'11-'12	12-'13
2003-04	48,029										
2004-05	46,823	46,720									
2005-06	46,122	46,290	45,875								
2006-07	45,446	45,900	45,304	45,404							
2007-08	45,083	45,502	44,754	44,711	44,833						
2008-09	45,024	44,949	44,229	43,968	44,200	44,729					
2009-10	45,592	44,456	43,753	43,361	43,613	44,534	45,046				
2010-11	45,741	44,110	43,429	42,852	43,024	44,406	45,092	45,653			
2011-12	46,206	43,936	43,252	42,596	42,693	44,357	45,288	45,993	45,979		
2012-13	46,517	44,058	43,350	42,656	42,508	44,611	45,696	46,588	46,451	46,661	
2013-14	47,127	44,146	43,350	42,666	42,659	44,651	45,886	46,979	46,766	46,901	46,980

School Year	Percentage Error in Enrollment Forecasts by Base Year[2]									
	'03-'04	'04-'05	'05-'06	'06-'07	'07-'08	'08-'09	'09-'10	'10-'11	'11-'12	12-'13
2004-05	*-0.2%*									
2005-06	*0.4%*	*-0.5%*								
2006-07	*1.0%*	*-0.3%*	*-0.1%*							
2007-08	*0.9%*	*-0.7%*	*-0.8%*	*-0.6%*						
2008-09	*-0.2%*	*-1.8%*	*-2.3%*	*-1.8%*	*-0.7%*					
2009-10	*-2.5%*	*-4.0%*	*-4.9%*	*-4.3%*	*-2.3%*	*-1.2%*				
2010-11	*-3.6%*	*-5.1%*	*-6.3%*	*-5.9%*	*-2.9%*	*-1.4%*	*-0.2%*			
2011-12	*-4.9%*	*-6.4%*	*-7.8%*	*-7.6%*	*-4.0%*	*-2.0%*	*-0.5%*	*-0.5%*		
2012-13	*-5.3%*	*-6.8%*	*-8.3%*	*-8.6%*	*-4.1%*	*-1.8%*	*0.2%*	*-0.1%*	*0.3%*	
2013-14	*-6.3%*	*-8.0%*	*-9.5%*	*-9.5%*	*-5.3%*	*-2.6%*	*-0.3%*	*-0.8%*	*-0.5%*	*-0.3%*

1. Includes ungraded, excludes pre-kindergarten.

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

Table 13

Forecast Error by Grade Level, 2013-14 Enrollments

Grade	2013-14 Actual Enroll.	2013-14 Enrollment Forecasts by Base Year*							
		2012-13 (1 yr.)		2011-12 (2 yr.)		2010-11 (3 yr.)		2009-10 (4 yr.)	
		Fcst.	Error	Fcst.	Error	Fcst.	Error	Fcst.	Error
K	4,244	4,245	*0.0%*	4,137	*-2.5%*	4,066	*-4.2%*	4,259	*0.4%*
1	4,369	4,351	*-0.4%*	4,155	*-4.9%*	4,160	*-4.8%*	4,312	*-1.3%*
2	4,082	4,067	*-0.4%*	4,042	*-1.0%*	4,052	*-0.7%*	4,120	*0.9%*
3	3,864	3,868	*0.1%*	3,926	*1.6%*	3,926	*1.6%*	3,939	*1.9%*
4	3,906	3,842	*-1.6%*	3,939	*0.8%*	3,926	*0.5%*	3,857	*-1.3%*
5	3,775	3,754	*-0.6%*	3,799	*0.6%*	3,730	*-1.2%*	3,662	*-3.0%*
6	3,547	3,539	*-0.2%*	3,544	*-0.1%*	3,492	*-1.6%*	3,374	*-4.9%*
7	3,407	3,418	*0.3%*	3,437	*0.9%*	3,446	*1.1%*	3,351	*-1.6%*
8	3,349	3,288	*-1.8%*	3,311	*-1.1%*	3,271	*-2.3%*	3,196	*-4.6%*
9	3,057	3,139	*2.7%*	3,208	*4.9%*	3,287	*7.5%*	3,270	*7.0%*
10	3,055	3,089	*1.1%*	3,138	*2.7%*	3,230	*5.7%*	3,217	*5.3%*
11	2,990	2,968	*-0.7%*	2,910	*-2.7%*	3,047	*1.9%*	3,124	*4.5%*
12	3,482	3,412	*-2.0%*	3,355	*-3.6%*	3,133	*-10.0%*	3,298	*-5.3%*
Total	**47,127**	**46,980**	*-0.3%*	**46,901**	*-0.5%*	**46,766**	*-0.8%*	**46,979**	*-0.3%*
Mean Absolute Pct. Error			***0.9%***		***2.1%***		***3.3%***		***3.2%***

**Note: Medium Growth Scenarios*

Finally, Table 14 compares actual 2013-14 enrollments by resident high school cluster and grade level group with the most recent HSCL forecasts, two year forecasts based on 2011-12 enrollments. K-12 forecasts for four of the District's eight clusters were within one percent of actual enrollments, while another two clusters differed by less than two percent. Larger errors are evident for the Lincoln cluster, where the K-12 forecast was 5.3 percent low, and the Wilson cluster, where the K-12 forecast was 3.4 percent high. An evaluation of forecast error by grade level group by high school cluster shows that forecasts were relatively reliable across all grade level groups for the Cleveland and Jefferson clusters, while forecasts for each grade level group were consistently low for the Lincoln HSCL and high for the Wilson HSCL. The largest error for any grade level group was for K-2nd grade residents of the Grant cluster, where the forecasts were eight percent too low.

Table 14

Two Year Forecast Error by High School Cluster of Residence

2013-14 Forecast based on Fall 2011 Enrollment

	K-12 Residents		K-12 Forecast Error	
HS Cluster	**Forecast**	**Actual**	**Number**	**Percent**
Cleveland	6,891	6,839	52	*0.8%*
Franklin	7,875	7,910	-35	*-0.4%*
Grant[1]	5,123	5,216	-93	*-1.8%*
Jefferson	5,638	5,593	45	*0.8%*
Lincoln	4,659	4,921	-262	*-5.3%*
Madison[1]	5,949	5,880	69	*1.2%*
Roosevelt[1]	4,876	4,915	-39	*-0.8%*
Wilson	4,892	4,731	161	*3.4%*
Mean Absolute Percent Error (MAPE)				***1.8%***

Percent Forecast Error by Grade Level Groups [2]

HS Cluster	**K-2**	**3-5**	**6-8**	**9-12**
Cleveland	*0.9%*	*0.4%*	*-0.7%*	*2.3%*
Franklin	*-3.2%*	*2.2%*	*-2.1%*	*1.5%*
Grant[1]	*-8.0%*	*-0.7%*	*-0.2%*	*2.1%*
Jefferson	*-0.1%*	*2.6%*	*2.3%*	*-1.0%*
Lincoln	*-6.9%*	*-3.4%*	*-5.3%*	*-5.6%*
Madison[1]	*-2.9%*	*2.9%*	*1.7%*	*3.4%*
Roosevelt[1]	*-5.3%*	*0.3%*	*3.1%*	*0.1%*
Wilson	*3.6%*	*5.1%*	*1.4%*	*3.5%*
MAPE	***3.8%***	***2.2%***	***2.1%***	***2.4%***

1. Jefferson Dual Assignment Zone residents are reported in the Jefferson cluster, and not included in the Grant, Madison, or Roosevelt attendance area totals.

2. Negative percentages indicate that actual enrollments were higher than forecast; positive percentages indicate that actual enrollments were lower than forecast.

APPENDIX A

DISTRICT-WIDE ENROLLMENT FORECASTS

2014-15 to 2028-29

Portland Public Schools, Enrollment Forecasts, 2014-15 to 2028-29

Table A1. Medium Growth Scenario, District-wide Enrollment by Grade and Year

	Historic Enrollment			---- Forecast Enrollment ----														
Grade	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**	**2024-25**	**2025-26**	**2026-27**	**2027-28**	**2028-29**
K	4,064	4,277	4,244	4,209	4,142	4,167	4,128	4,205	4,231	4,257	4,300	4,359	4,416	4,472	4,522	4,546	4,543	4,540
1	4,037	4,146	4,369	4,297	4,260	4,193	4,192	4,173	4,245	4,267	4,293	4,336	4,396	4,454	4,509	4,560	4,585	4,581
2	4,029	3,937	4,082	4,304	4,229	4,192	4,126	4,129	4,110	4,177	4,199	4,225	4,267	4,326	4,383	4,437	4,488	4,512
3	3,898	3,918	3,864	4,038	4,253	4,179	4,143	4,082	4,085	4,062	4,128	4,150	4,175	4,217	4,275	4,331	4,385	4,435
4	3,721	3,813	3,906	3,819	3,990	4,203	4,130	4,098	4,038	4,037	4,014	4,080	4,101	4,126	4,168	4,225	4,280	4,334
5	3,597	3,660	3,775	3,868	3,780	3,950	4,160	4,092	4,061	3,997	3,996	3,974	4,039	4,060	4,084	4,126	4,182	4,237
6	3,396	3,467	3,547	3,667	3,750	3,664	3,828	4,038	3,971	3,937	3,875	3,874	3,852	3,916	3,936	3,960	4,000	4,055
7	3,310	3,336	3,407	3,514	3,629	3,712	3,627	3,793	4,001	3,931	3,897	3,836	3,835	3,813	3,876	3,896	3,920	3,960
8	3,230	3,217	3,349	3,378	3,477	3,591	3,673	3,592	3,757	3,959	3,889	3,856	3,795	3,795	3,773	3,835	3,855	3,879
9	3,082	3,065	3,057	3,211	3,274	3,370	3,481	3,564	3,485	3,641	3,837	3,770	3,737	3,678	3,678	3,656	3,716	3,736
10	3,256	3,111	3,055	3,082	3,228	3,289	3,385	3,498	3,583	3,501	3,658	3,854	3,787	3,754	3,695	3,695	3,673	3,733
11	3,181	3,090	2,990	2,926	2,948	3,087	3,142	3,235	3,343	3,422	3,344	3,494	3,681	3,617	3,586	3,530	3,530	3,509
12	3,405	3,480	3,482	3,304	3,227	3,253	3,406	3,468	3,569	3,685	3,773	3,687	3,853	4,058	3,988	3,954	3,892	3,892
Total	46,206	46,517	47,127	47,617	48,187	48,850	49,421	49,967	50,479	50,873	51,203	51,495	51,934	52,286	52,473	52,751	53,049	53,403
K-2	12,130	12,360	12,695	12,810	12,631	12,552	12,446	12,507	12,586	12,701	12,792	12,920	13,079	13,252	13,414	13,543	13,616	13,633
3-5	11,216	11,391	11,545	11,725	12,023	12,332	12,433	12,272	12,184	12,096	12,138	12,204	12,315	12,403	12,527	12,682	12,847	13,006
6-8	9,936	10,020	10,303	10,559	10,856	10,967	11,128	11,423	11,729	11,827	11,661	11,566	11,482	11,524	11,585	11,691	11,775	11,894
9-12	12,924	12,746	12,584	12,523	12,677	12,999	13,414	13,765	13,980	14,249	14,612	14,805	15,058	15,107	14,947	14,835	14,811	14,870
K-12	46,206	46,517	47,127	47,617	48,187	48,850	49,421	49,967	50,479	50,873	51,203	51,495	51,934	52,286	52,473	52,751	53,049	53,403

Sources: Portland Public Schools, historic enrollment; Population Research Center, PSU, enrollment forecasts. *February, 2014*

Portland Public Schools, Enrollment Forecasts, 2014-15 to 2028-29

Table A2. Low Growth Scenario, District-wide Enrollment by Grade and Year

	Historic Enrollment			---- Forecast Enrollment ----														
Grade	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**	**2024-25**	**2025-26**	**2026-27**	**2027-28**	**2028-29**
K	4,064	4,277	4,244	4,178	4,090	4,095	4,047	4,105	4,103	4,125	4,158	4,207	4,254	4,306	4,356	4,370	4,357	4,343
1	4,037	4,146	4,369	4,270	4,215	4,117	4,106	4,077	4,115	4,125	4,147	4,180	4,229	4,277	4,329	4,379	4,393	4,379
2	4,029	3,937	4,082	4,286	4,194	4,140	4,043	4,036	3,992	4,041	4,051	4,073	4,105	4,153	4,201	4,252	4,301	4,315
3	3,898	3,918	3,864	4,015	4,220	4,129	4,076	3,985	3,962	3,931	3,979	3,989	4,010	4,042	4,089	4,136	4,187	4,235
4	3,721	3,813	3,906	3,793	3,947	4,150	4,060	4,012	3,907	3,896	3,866	3,913	3,923	3,943	3,975	4,021	4,067	4,117
5	3,597	3,660	3,775	3,848	3,742	3,895	4,095	4,010	3,947	3,855	3,844	3,815	3,861	3,871	3,891	3,922	3,968	4,013
6	3,396	3,467	3,547	3,652	3,723	3,620	3,767	3,966	3,868	3,818	3,729	3,718	3,690	3,735	3,745	3,764	3,794	3,839
7	3,310	3,336	3,407	3,500	3,607	3,678	3,576	3,725	3,906	3,821	3,772	3,684	3,673	3,646	3,690	3,700	3,719	3,748
8	3,230	3,217	3,349	3,365	3,456	3,562	3,632	3,535	3,667	3,857	3,773	3,725	3,638	3,627	3,600	3,644	3,654	3,672
9	3,082	3,065	3,057	3,199	3,255	3,343	3,446	3,517	3,409	3,546	3,730	3,650	3,603	3,518	3,508	3,481	3,524	3,534
10	3,256	3,111	3,055	3,070	3,210	3,264	3,351	3,456	3,515	3,418	3,556	3,740	3,660	3,613	3,528	3,518	3,491	3,534
11	3,181	3,090	2,990	2,915	2,931	3,063	3,112	3,196	3,283	3,350	3,258	3,391	3,565	3,489	3,445	3,364	3,355	3,329
12	3,405	3,480	3,482	3,291	3,209	3,228	3,373	3,429	3,506	3,612	3,686	3,585	3,733	3,923	3,839	3,791	3,702	3,692
Total	46,206	46,517	47,127	47,382	47,799	48,284	48,684	49,049	49,180	49,395	49,549	49,670	49,944	50,143	50,196	50,342	50,512	50,750
K-2	12,130	12,360	12,695	12,734	12,499	12,352	12,196	12,218	12,210	12,291	12,356	12,460	12,588	12,736	12,886	13,001	13,051	13,037
3-5	11,216	11,391	11,545	11,656	11,909	12,174	12,231	12,007	11,816	11,682	11,689	11,717	11,794	11,856	11,955	12,079	12,222	12,365
6-8	9,936	10,020	10,303	10,517	10,786	10,860	10,975	11,226	11,441	11,496	11,274	11,127	11,001	11,008	11,035	11,108	11,167	11,259
9-12	12,924	12,746	12,584	12,475	12,605	12,898	13,282	13,598	13,713	13,926	14,230	14,366	14,561	14,543	14,320	14,154	14,072	14,089
K-12	46,206	46,517	47,127	47,382	47,799	48,284	48,684	49,049	49,180	49,395	49,549	49,670	49,944	50,143	50,196	50,342	50,512	50,750

Sources: Portland Public Schools, historic enrollment; Population Research Center, PSU, enrollment forecasts. *July, 2014*

Portland Public Schools, Enrollment Forecasts, 2014-15 to 2028-29

Table A3. High Growth Scenario, District-wide Enrollment by Grade and Year

	Historic Enrollment			---- Forecast Enrollment ----														
Grade	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**	**2024-25**	**2025-26**	**2026-27**	**2027-28**	**2028-29**
K	4,064	4,277	4,244	4,245	4,190	4,231	4,213	4,328	4,376	4,401	4,444	4,504	4,561	4,616	4,670	4,704	4,710	4,717
1	4,037	4,146	4,369	4,326	4,295	4,248	4,264	4,277	4,388	4,426	4,452	4,495	4,555	4,613	4,669	4,723	4,757	4,764
2	4,029	3,937	4,082	4,321	4,274	4,248	4,201	4,217	4,230	4,331	4,369	4,394	4,437	4,496	4,553	4,609	4,662	4,696
3	3,898	3,918	3,864	4,054	4,287	4,245	4,219	4,172	4,188	4,193	4,293	4,330	4,355	4,398	4,456	4,513	4,568	4,621
4	3,721	3,813	3,906	3,834	4,021	4,258	4,216	4,190	4,143	4,151	4,156	4,255	4,292	4,317	4,360	4,417	4,474	4,528
5	3,597	3,660	3,775	3,883	3,809	4,000	4,236	4,194	4,168	4,113	4,121	4,126	4,224	4,261	4,286	4,329	4,385	4,442
6	3,396	3,467	3,547	3,682	3,780	3,711	3,896	4,128	4,087	4,053	4,000	4,008	4,012	4,108	4,144	4,169	4,211	4,266
7	3,310	3,336	3,407	3,528	3,658	3,760	3,692	3,876	4,106	4,058	4,024	3,971	3,979	3,983	4,078	4,114	4,139	4,181
8	3,230	3,217	3,349	3,391	3,505	3,637	3,739	3,671	3,854	4,075	4,027	3,993	3,941	3,949	3,953	4,047	4,083	4,107
9	3,082	3,065	3,057	3,224	3,299	3,415	3,543	3,642	3,576	3,746	3,961	3,915	3,881	3,831	3,838	3,842	3,934	3,969
10	3,256	3,111	3,055	3,094	3,254	3,331	3,447	3,574	3,676	3,602	3,774	3,990	3,944	3,910	3,859	3,866	3,871	3,963
11	3,181	3,090	2,990	2,938	2,971	3,127	3,198	3,307	3,429	3,521	3,450	3,615	3,822	3,778	3,745	3,697	3,703	3,708
12	3,405	3,480	3,482	3,316	3,253	3,294	3,467	3,544	3,663	3,791	3,893	3,815	3,998	4,226	4,177	4,141	4,088	4,094
Total	46,206	46,517	47,127	47,836	48,596	49,505	50,331	51,120	51,884	52,461	52,964	53,411	54,001	54,486	54,788	55,171	55,585	56,056
K-2	12,130	12,360	12,695	12,892	12,759	12,727	12,678	12,822	12,994	13,158	13,265	13,393	13,553	13,725	13,892	14,036	14,129	14,177
3-5	11,216	11,391	11,545	11,771	12,117	12,503	12,671	12,556	12,499	12,457	12,570	12,711	12,871	12,976	13,102	13,259	13,427	13,591
6-8	9,936	10,020	10,303	10,601	10,943	11,108	11,327	11,675	12,047	12,186	12,051	11,972	11,932	12,040	12,175	12,330	12,433	12,554
9-12	12,924	12,746	12,584	12,572	12,777	13,167	13,655	14,067	14,344	14,660	15,078	15,335	15,645	15,745	15,619	15,546	15,596	15,734
K-12	46,206	46,517	47,127	47,836	48,596	49,505	50,331	51,120	51,884	52,461	52,964	53,411	54,001	54,486	54,788	55,171	55,585	56,056

Sources: Portland Public Schools, historic enrollment; Population Research Center, PSU, enrollment forecasts. *July, 2014*

APPENDIX B

ENROLLMENT FORECASTS BY AREA OF RESIDENCE

2014-15 to 2028-29

Enrollment forecasts by area of residence are consistent with the district-wide medium growth scenario.

1. *Based on 2014-15 elementary attendance area boundaries within each cluster.*
2. *Based on 2014-15 elementary attendance area boundaries.*
3. *Based on 2014-15 grade 6-8 boundaries.*
4. *Based on 2014-15 high school attendance area boundaries.*

Table B1

PPS Residents Forecast by Cluster and Grade Level, 2014-15 to 2028-29

	Historic	Forecast															Change 2013-14 to 2028-29	
Cluster	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**	**2024-25**	**2025-26**	**2026-27**	**2027-28**	**2028-29**	**Number**	**Percent**
Cleveland Cluster																		
K-5	3,625	3,655	3,613	3,612	3,578	3,549	3,556	3,565	3,605	3,637	3,686	3,731	3,777	3,822	3,861	3,893	268	*7%*
6-8	1,501	1,587	1,672	1,722	1,756	1,760	1,754	1,738	1,681	1,676	1,663	1,690	1,702	1,724	1,734	1,749	248	*17%*
9-12	1,713	1,714	1,791	1,898	1,987	2,109	2,166	2,217	2,264	2,233	2,226	2,188	2,151	2,139	2,141	2,171	458	*27%*
Total	**6,839**	**6,956**	**7,076**	**7,232**	**7,321**	**7,418**	**7,476**	**7,520**	**7,550**	**7,546**	**7,575**	**7,609**	**7,630**	**7,685**	**7,736**	**7,813**	**974**	***14%***
Franklin Cluster																		
K-5	4,150	4,207	4,234	4,244	4,221	4,185	4,163	4,150	4,148	4,179	4,247	4,284	4,327	4,369	4,404	4,427	277	*7%*
6-8	1,772	1,757	1,812	1,844	1,866	1,922	1,965	2,005	1,979	1,942	1,884	1,872	1,881	1,924	1,935	1,955	183	*10%*
9-12	1,988	2,011	2,032	2,084	2,142	2,181	2,239	2,262	2,358	2,417	2,449	2,489	2,444	2,377	2,360	2,350	362	*18%*
Total	**7,910**	**7,975**	**8,078**	**8,172**	**8,229**	**8,288**	**8,367**	**8,417**	**8,485**	**8,538**	**8,580**	**8,645**	**8,652**	**8,670**	**8,699**	**8,732**	**822**	***10%***
Grant Cluster																		
K-5	2,711	2,724	2,709	2,686	2,694	2,709	2,684	2,705	2,738	2,769	2,800	2,822	2,846	2,869	2,885	2,894	183	*7%*
6-8	1,187	1,241	1,266	1,336	1,345	1,350	1,371	1,376	1,360	1,311	1,315	1,343	1,363	1,381	1,387	1,399	212	*18%*
9-12	1,318	1,323	1,376	1,408	1,511	1,579	1,629	1,666	1,683	1,728	1,703	1,695	1,690	1,649	1,665	1,693	375	*28%*
Total	**5,216**	**5,288**	**5,351**	**5,430**	**5,550**	**5,638**	**5,684**	**5,747**	**5,781**	**5,808**	**5,818**	**5,860**	**5,899**	**5,899**	**5,937**	**5,986**	**770**	***15%***
Jefferson Cluster																		
K-5	3,034	3,091	3,139	3,167	3,241	3,230	3,232	3,225	3,234	3,251	3,259	3,288	3,321	3,357	3,385	3,408	374	*12%*
6-8	1,114	1,105	1,149	1,198	1,194	1,260	1,290	1,351	1,334	1,325	1,333	1,333	1,338	1,326	1,331	1,339	225	*20%*
9-12	1,445	1,448	1,376	1,348	1,370	1,370	1,433	1,451	1,515	1,564	1,580	1,642	1,624	1,629	1,625	1,625	180	*12%*
Total	**5,593**	**5,644**	**5,664**	**5,713**	**5,805**	**5,860**	**5,955**	**6,027**	**6,083**	**6,140**	**6,172**	**6,263**	**6,283**	**6,312**	**6,341**	**6,372**	**779**	***14%***
Lincoln Cluster																		
K-5	2,256	2,264	2,266	2,332	2,336	2,333	2,365	2,371	2,399	2,413	2,443	2,502	2,563	2,627	2,688	2,741	485	*21%*
6-8	1,085	1,151	1,186	1,160	1,175	1,190	1,216	1,212	1,199	1,243	1,252	1,259	1,247	1,242	1,268	1,295	210	*19%*
9-12	1,580	1,585	1,656	1,709	1,772	1,839	1,833	1,868	1,872	1,838	1,905	1,879	1,888	1,941	1,928	1,947	367	*23%*
Total	**4,921**	**5,000**	**5,108**	**5,201**	**5,283**	**5,362**	**5,414**	**5,451**	**5,470**	**5,494**	**5,600**	**5,640**	**5,698**	**5,810**	**5,884**	**5,983**	**1,062**	***22%***

Forecast: Population Research Center, Portland State University, July 2014.

Table B1 (continued)

PPS Residents Forecast by Cluster and Grade Level, 2014-15 to 2028-29

	Historic	Forecast															Change 2013-14 to 2028-29	
Cluster	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**	**2024-25**	**2025-26**	**2026-27**	**2027-28**	**2028-29**	**Number**	**Percent**
Madison Cluster																		
K-5	3,004	3,019	3,037	3,024	3,021	2,977	2,981	2,992	2,998	3,061	3,088	3,112	3,140	3,167	3,187	3,200	196	*7%*
6-8	1,329	1,308	1,333	1,315	1,327	1,392	1,425	1,430	1,390	1,345	1,338	1,334	1,377	1,392	1,402	1,417	88	*7%*
9-12	1,547	1,532	1,539	1,568	1,639	1,637	1,654	1,660	1,726	1,741	1,765	1,787	1,702	1,686	1,690	1,680	133	*9%*
Total	**5,880**	**5,859**	**5,909**	**5,907**	**5,987**	**6,006**	**6,060**	**6,082**	**6,114**	**6,147**	**6,191**	**6,233**	**6,219**	**6,245**	**6,279**	**6,297**	**417**	***7%***
Roosevelt Cluster																		
K-5	2,583	2,637	2,666	2,716	2,688	2,683	2,658	2,644	2,652	2,644	2,670	2,685	2,706	2,724	2,739	2,745	162	*6%*
6-8	1,027	1,054	1,045	1,068	1,118	1,161	1,225	1,229	1,218	1,207	1,182	1,182	1,167	1,177	1,181	1,190	163	*16%*
9-12	1,305	1,277	1,301	1,300	1,281	1,319	1,309	1,378	1,419	1,474	1,525	1,513	1,520	1,485	1,469	1,470	165	*13%*
Total	**4,915**	**4,968**	**5,012**	**5,084**	**5,087**	**5,163**	**5,192**	**5,251**	**5,289**	**5,325**	**5,377**	**5,380**	**5,393**	**5,386**	**5,389**	**5,405**	**490**	***10%***
Wilson Cluster																		
K-5	2,343	2,388	2,436	2,543	2,542	2,555	2,572	2,586	2,597	2,611	2,642	2,672	2,702	2,731	2,755	2,772	429	*18%*
6-8	1,087	1,175	1,211	1,134	1,142	1,178	1,269	1,273	1,287	1,303	1,301	1,297	1,296	1,311	1,323	1,336	249	*23%*
9-12	1,301	1,279	1,273	1,352	1,403	1,442	1,429	1,445	1,455	1,484	1,571	1,582	1,596	1,597	1,601	1,602	301	*23%*
Total	**4,731**	**4,842**	**4,920**	**5,029**	**5,087**	**5,175**	**5,270**	**5,304**	**5,339**	**5,398**	**5,514**	**5,551**	**5,594**	**5,639**	**5,679**	**5,710**	**979**	***21%***
Out of District																		
K-5	534	550	554	560	558	558	559	559	559	559	559	559	559	559	559	559	25	*5%*
6-8	201	181	182	190	205	210	214	213	213	214	214	214	214	214	214	214	13	*6%*
9-12	387	354	333	332	309	289	288	302	320	326	334	332	332	332	332	332	-55	*-14%*
Total	**1,122**	**1,085**	**1,069**	**1,082**	**1,072**	**1,057**	**1,061**	**1,074**	**1,092**	**1,099**	**1,107**	**1,105**	**1,105**	**1,105**	**1,105**	**1,105**	**-17**	***-2%***
Total	**47,127**	**47,617**	**48,187**	**48,850**	**49,421**	**49,967**	**50,479**	**50,873**	**51,203**	**51,495**	**51,934**	**52,286**	**52,473**	**52,751**	**53,049**	**53,403**	**5,624**	***12%***

Forecast: Population Research Center, Portland State University, July 2014.

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

(students attending all PPS schools tabulated by the 2014-15 attendance area boundary in which they reside)

H.S. Clust.	Grades K-2 Attendance Area	< History			Forecast >														
		2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
CLE	Abernethy	307	315	323	324	312	307	309	314	313	317	318	320	323	328	331	333	333	334
CLE	Buckman	164	154	146	148	155	149	150	155	157	160	164	169	174	178	183	188	191	192
CLE	Duniway*	250	258	254	249	241	236	237	241	244	248	250	252	255	259	264	268	269	269
CLE	Grout	277	281	263	261	258	257	254	259	263	267	271	275	278	284	289	294	297	299
CLE	Lewis	163	165	171	172	159	164	161	164	166	168	169	171	174	176	178	179	179	179
CLE	Llewellyn*	256	266	262	252	241	247	248	251	253	258	259	260	261	265	268	269	269	269
CLE	Whitman	234	227	227	224	211	220	214	215	215	217	218	219	222	226	229	230	230	230
CLE	Woodstock	210	218	207	209	210	210	200	202	202	201	201	202	207	212	215	216	215	214
FRA	Arleta	174	222	246	269	258	241	227	225	224	229	230	232	232	233	234	236	237	237
FRA	Atkinson	150	179	168	172	163	165	164	163	164	167	168	170	172	173	174	176	177	178
FRA	Bridger	184	179	189	209	213	203	184	183	183	188	189	191	193	196	199	202	204	206
FRA	Creston	192	180	167	160	167	171	167	167	169	174	176	178	181	184	187	190	192	192
FRA	Glencoe	304	329	336	343	336	327	319	317	318	325	327	330	334	338	342	346	348	349
FRA	Kelly	298	288	275	275	283	277	270	270	271	277	279	282	285	288	291	294	296	297
FRA	Lent	226	201	204	207	207	202	200	199	201	205	206	208	210	213	216	218	219	219
FRA	Marysville	176	188	223	231	226	213	209	208	209	215	216	218	220	222	224	224	224	223
FRA	Sunnyside	182	166	162	164	151	157	153	152	153	155	155	156	157	158	158	159	159	158
FRA	Woodmere	214	211	203	185	182	197	195	192	197	202	203	205	208	212	214	216	218	218
GRA	Alameda*	352	350	363	360	366	350	347	352	357	361	361	362	364	367	370	371	370	369
GRA	Beverly Cleary	316	322	347	369	359	335	333	340	345	349	350	353	356	359	361	363	363	362
GRA	Irvington*	202	181	174	163	155	161	168	173	177	181	184	186	189	192	195	198	200	201
GRA	Laurelhurst	227	217	237	240	237	227	228	234	237	240	241	243	245	247	249	251	251	251
GRA	Sabin*	244	270	250	243	240	240	241	248	251	253	254	256	260	265	267	269	269	268
JEF	Beach	210	237	233	249	246	243	244	245	247	246	248	251	255	259	261	265	268	269
JEF	Boise-Eliot/Humboldt*	228	242	227	241	242	243	245	246	247	245	247	249	252	255	259	263	266	267
JEF	Chief Joseph	280	293	279	298	294	294	290	291	293	290	292	295	300	306	310	316	318	317
JEF	Faubion	208	221	246	253	238	231	238	238	239	238	239	240	241	244	244	247	247	248
JEF	King	119	127	132	128	124	128	134	135	136	136	137	138	140	141	142	144	147	146
JEF	Vernon	253	242	264	273	279	270	265	266	266	263	263	264	267	270	272	272	271	271
JEF	Woodlawn	287	291	274	279	277	284	285	285	285	280	280	283	286	288	298	297	296	297

continued on next page

PSU Population Research Center, July 2014

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

(students attending all PPS schools tabulated by the 2014-15 attendance area boundary in which they reside)

H.S. Clust.	Grades K-2 Attendance Area	< History			Forecast >														
		2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
LIN	Ainsworth	181	187	175	182	181	184	185	187	185	185	190	197	206	215	222	228	233	236
LIN	Bridlemile	206	227	238	246	231	242	246	248	244	243	247	253	261	268	276	284	290	293
LIN	Chapman	327	338	377	385	388	405	405	412	408	407	414	423	434	447	459	469	477	484
LIN	Forest Park	242	229	235	200	207	214	216	214	213	212	215	217	219	223	227	227	226	227
LIN	Skyline	72	65	78	82	77	80	81	81	81	81	83	84	87	89	93	96	99	100
MAD	Harrison Park	345	361	379	370	354	345	347	347	359	363	366	370	374	378	381	384	386	387
MAD	Lee	176	215	208	208	184	188	190	188	195	197	199	201	203	205	206	207	207	207
MAD	Rigler	291	290	314	316	316	294	298	298	309	313	314	317	318	321	324	328	330	330
MAD	Roseway Heights	197	207	200	212	201	198	193	194	200	202	203	205	206	207	208	211	213	213
MAD	Scott	282	260	260	256	259	250	247	249	257	259	261	264	266	268	270	273	274	274
MAD	Vestal	232	239	244	252	253	244	234	231	238	241	243	246	248	249	251	254	255	256
ROO	Astor	186	179	191	201	214	203	197	198	196	198	199	200	202	204	207	208	208	206
ROO	Cesar Chavez	169	172	169	167	154	160	160	163	163	166	167	169	172	173	174	175	176	177
ROO	James John	263	293	311	317	304	305	300	302	298	301	303	305	307	310	312	313	315	314
ROO	Peninsula	133	137	152	163	162	159	147	147	145	147	148	149	150	151	153	154	155	154
ROO	Rosa Parks	243	250	271	263	259	255	258	260	257	259	260	262	264	267	269	271	274	273
ROO	Sitton	279	293	319	304	307	307	296	293	291	292	291	292	296	297	299	297	296	293
WIL	Capitol Hill	210	209	219	236	242	243	238	239	241	245	248	251	255	259	262	265	267	267
WIL	Hayhurst	160	142	165	178	169	175	171	169	167	168	169	170	172	174	177	179	180	180
WIL	Maplewood	175	199	222	227	228	227	221	218	217	220	223	226	228	230	232	234	235	235
WIL	Markham	276	251	283	288	298	294	292	288	287	291	295	298	302	306	309	311	312	313
WIL	Rieke	228	200	212	192	200	213	223	224	224	226	228	231	234	236	238	240	242	243
WIL	Stephenson	138	134	137	134	132	136	140	145	147	148	149	150	152	155	159	159	161	160
Grade K-2 residing in PPS		11,898	12,097	12,411	12,529	12,350	12,270	12,164	12,225	12,304	12,419	12,510	12,638	12,797	12,970	13,132	13,261	13,334	13,351
Grade K-2 residing outside PPS		232	263	284	281	281	282	282	282	282	282	282	282	282	282	282	282	282	282
Grade K-2 Totals		**12,130**	**12,360**	**12,695**	**12,810**	**12,631**	**12,552**	**12,446**	**12,507**	**12,586**	**12,701**	**12,792**	**12,920**	**13,079**	**13,252**	**13,414**	**13,543**	**13,616**	**13,633**

**Note: Changes in attendance areas have been incorporated in the history and forecasts. Beginning in 2012-13 portions of the Alameda area were reassigned to Irvington and Sabin, and residents of the former Humboldt area were reassigned to Boise-Eliot-Humboldt. Beginning in 2013-14 a portion of the current Llewellyn area was reassigned to Duniway.*

PSU Population Research Center, July 2014

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

(students attending all PPS schools tabulated by the 2014-15 attendance area boundary in which they reside)

H.S. Clust.	Grades 3-5 Attendance Area	< History			Forecast >														
		2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
CLE	Abernethy	257	298	308	322	320	334	332	319	314	315	320	321	324	324	327	330	336	338
CLE	Buckman	92	97	110	123	122	117	119	127	122	122	125	127	130	134	138	141	144	148
CLE	Duniway*	261	275	288	285	280	276	272	263	257	258	263	266	270	271	273	277	282	288
CLE	Grout	256	261	257	269	247	242	240	236	235	232	235	238	241	245	249	253	259	264
CLE	Lewis	174	158	155	145	155	161	163	150	155	152	156	158	160	161	162	164	166	168
CLE	Llewellyn*	231	245	253	256	268	267	257	246	251	252	255	257	261	262	264	266	270	273
CLE	Whitman	205	206	226	230	238	233	231	217	224	219	220	220	222	222	223	227	231	234
CLE	Woodstock	154	170	175	186	196	192	191	190	185	179	181	182	184	184	184	187	190	194
FRA	Arleta	158	147	165	181	217	243	260	248	232	220	218	217	221	222	224	224	225	226
FRA	Atkinson	140	143	158	149	171	163	168	159	161	160	159	160	163	164	165	166	167	168
FRA	Bridger	162	166	176	182	188	190	210	213	203	184	183	184	188	189	191	193	196	199
FRA	Creston	165	152	171	164	154	151	149	156	160	156	156	158	162	163	165	168	171	174
FRA	Glencoe	290	295	313	314	329	341	346	339	333	324	322	324	330	332	334	337	341	345
FRA	Kelly	254	267	255	259	242	245	246	253	248	242	241	242	248	250	253	256	259	262
FRA	Lent	201	208	203	191	181	184	188	188	182	181	180	181	185	186	188	190	193	196
FRA	Marysville	178	171	172	169	183	213	221	216	203	200	198	199	205	206	208	210	212	214
FRA	Sunnyside	143	154	143	159	168	157	155	144	150	146	145	146	148	148	149	150	151	151
FRA	Woodmere	234	222	221	224	215	204	190	193	202	200	197	198	205	207	211	214	215	215
GRA	Alameda*	330	359	376	389	364	384	381	390	372	368	374	379	383	384	385	386	389	392
GRA	Beverly Cleary	290	302	327	328	345	361	383	374	349	347	355	359	362	364	367	369	372	374
GRA	Irvington*	190	183	192	184	179	167	155	146	153	160	164	168	173	177	179	182	185	188
GRA	Laurelhurst	232	223	227	223	218	233	236	234	224	225	230	233	236	237	240	243	245	247
GRA	Sabin*	205	193	218	225	246	228	222	218	219	221	225	230	232	230	233	237	241	242
JEF	Beach	158	170	192	185	198	200	214	211	210	210	211	212	212	214	216	220	222	225
JEF	Boise-Eliot-Humboldt*	199	199	204	205	205	204	220	220	222	223	224	225	223	225	226	230	233	236
JEF	Chief Joseph	248	272	260	253	260	260	276	274	274	271	270	271	269	271	273	276	280	288
JEF	Faubion	178	194	199	202	232	250	256	242	236	244	243	244	243	244	245	245	246	249
JEF	King	102	96	103	101	111	115	112	108	112	118	119	120	120	121	122	124	124	127
JEF	Vernon	208	220	198	207	209	228	239	245	237	231	232	232	229	229	230	232	233	236
JEF	Woodlawn	228	217	223	217	224	217	223	224	228	230	229	227	222	221	223	226	234	232

continued on next page

PSU Population Research Center, July 2014

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

(students attending all PPS schools tabulated by the 2014-15 attendance area boundary in which they reside)

H.S. Clust.	Grades 3-5 Attendance Area	< History			Forecast >														
		2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
LIN	Ainsworth	204	192	201	175	175	166	172	172	175	176	178	176	176	181	189	197	206	212
LIN	Bridlemile	280	276	258	240	266	271	280	263	275	279	281	277	275	280	287	297	307	317
LIN	Chapman	278	307	324	369	377	407	419	424	442	442	447	444	443	450	460	471	486	498
LIN	Forest Park	276	297	280	301	279	269	234	241	248	251	249	247	247	251	250	254	257	262
LIN	Skyline	84	87	90	84	85	94	98	91	94	95	95	95	95	98	100	104	107	112
MAD	Harrison Park	339	340	328	327	363	364	355	340	332	335	333	346	351	354	356	359	363	367
MAD	Lee	167	171	180	182	213	207	205	183	186	188	187	193	195	197	199	201	203	204
MAD	Rigler	273	270	281	282	282	306	309	307	287	291	290	301	305	306	308	310	313	314
MAD	Roseway Heights	173	195	181	176	172	180	191	182	179	175	175	181	182	183	185	186	187	188
MAD	Scott	230	226	223	229	234	230	226	228	219	219	219	225	227	229	232	234	236	238
MAD	Vestal	226	221	206	209	206	218	226	230	220	209	208	212	213	215	220	220	220	222
ROO	Astor	142	144	165	162	162	175	185	196	183	177	178	176	178	178	180	182	183	187
ROO	Cesar Chavez	153	162	167	165	175	161	160	148	155	154	157	158	160	160	162	164	164	166
ROO	James John	244	237	250	263	290	307	312	300	302	296	297	294	296	298	301	304	305	308
ROO	Peninsula	146	125	105	111	108	123	136	136	133	124	121	119	118	119	120	121	122	124
ROO	Rosa Parks	249	244	259	254	255	268	260	257	253	255	257	254	255	256	259	262	263	266
ROO	Sitton	243	229	224	267	276	293	277	283	282	275	274	266	272	272	270	273	278	277
WIL	Capitol Hill	189	219	206	208	208	223	243	250	249	244	246	248	252	255	258	262	266	269
WIL	Hayhurst	168	155	136	165	179	201	185	176	183	179	176	173	174	175	176	178	181	185
WIL	Maplewood	190	189	177	184	205	224	232	234	231	225	223	222	225	228	231	233	235	237
WIL	Markham	262	267	237	211	214	247	255	265	260	258	255	254	258	262	265	269	272	274
WIL	Rieke	203	188	190	210	208	209	192	201	212	222	224	224	225	226	228	231	233	235
WIL	Stephenson	143	161	159	155	153	151	150	146	154	160	161	164	165	166	167	170	171	174
Grade 3-5 residing in PPS		10,985	11,165	11,295	11,456	11,750	12,054	12,157	11,996	11,907	11,819	11,861	11,927	12,038	12,126	12,250	12,405	12,570	12,729
Grade 3-5 residing outside PPS		231	226	250	269	273	278	276	276	277	277	277	277	277	277	277	277	277	277
Grade 3-5 Totals		**11,216**	**11,391**	**11,545**	**11,725**	**12,023**	**12,332**	**12,433**	**12,272**	**12,184**	**12,096**	**12,138**	**12,204**	**12,315**	**12,403**	**12,527**	**12,682**	**12,847**	**13,006**

**Note: Changes in attendance areas have been incorporated in the history and forecasts. Beginning in 2012-13 portions of the Alameda area were reassigned to Irvington and Sabin, and residents of the former Humboldt area were reassigned to Boise-Eliot-Humboldt. Beginning in 2013-14 a portion of the current Llewellyn area was reassigned to Duniway.*

PSU Population Research Center, July 2014

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

(students attending all PPS schools tabulated by the 2014-15 attendance area boundary in which they reside)

H.S. Clust.	Grades K-5 Attendance Area	< History			Forecast >														
		2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
CLE	Abernethy	564	613	631	646	632	641	641	633	627	632	638	641	647	652	658	663	669	672
CLE	Buckman	256	251	256	271	277	266	269	282	279	282	289	296	304	312	321	329	335	340
CLE	Duniway*	511	533	542	534	521	512	509	504	501	506	513	518	525	530	537	545	551	557
CLE	Grout	533	542	520	530	505	499	494	495	498	499	506	513	519	529	538	547	556	563
CLE	Lewis	337	323	326	317	314	325	324	314	321	320	325	329	334	337	340	343	345	347
CLE	Llewellyn*	487	511	515	508	509	514	505	497	504	510	514	517	522	527	532	535	539	542
CLE	Whitman	439	433	453	454	449	453	445	432	439	436	438	439	444	448	452	457	461	464
CLE	Woodstock	364	388	382	395	406	402	391	392	387	380	382	384	391	396	399	403	405	408
FRA	Arleta	332	369	411	450	475	484	487	473	456	449	448	449	453	455	458	460	462	463
FRA	Atkinson	290	322	326	321	334	328	332	322	325	327	327	330	335	337	339	342	344	346
FRA	Bridger	346	345	365	391	401	393	394	396	386	372	372	375	381	385	390	395	400	405
FRA	Creston	357	332	338	324	321	322	316	323	329	330	332	336	343	347	352	358	363	366
FRA	Glencoe	594	624	649	657	665	668	665	656	651	649	649	654	664	670	676	683	689	694
FRA	Kelly	552	555	530	534	525	522	516	523	519	519	520	524	533	538	544	550	555	559
FRA	Lent	427	409	407	398	388	386	388	387	383	386	386	389	395	399	404	408	412	415
FRA	Marysville	354	359	395	400	409	426	430	424	412	415	414	417	425	428	432	434	436	437
FRA	Sunnyside	325	320	305	323	319	314	308	296	303	301	300	302	305	306	307	309	310	309
FRA	Woodmere	448	433	424	409	397	401	385	385	399	402	400	403	413	419	425	430	433	433
GRA	Alameda*	682	709	739	749	730	734	728	742	729	729	735	741	747	751	755	757	759	761
GRA	Beverly Cleary	606	624	674	697	704	696	716	714	694	696	705	712	718	723	728	732	735	736
GRA	Irvington*	392	364	366	347	334	328	323	319	330	341	348	354	362	369	374	380	385	389
GRA	Laurelhurst	459	440	464	463	455	460	464	468	461	465	471	476	481	484	489	494	496	498
GRA	Sabin*	449	463	468	468	486	468	463	466	470	474	479	486	492	495	500	506	510	510
JEF	Beach	368	407	425	434	444	443	458	456	457	456	459	463	467	473	477	485	490	494
JEF	Boise-Eliot/Humboldt*	427	441	431	446	447	447	465	466	469	468	471	474	475	480	485	493	499	503
JEF	Chief Joseph	528	565	539	551	554	554	566	565	567	561	562	566	569	577	583	592	598	605
JEF	Faubion	386	415	445	455	470	481	494	480	475	482	482	484	484	488	489	492	493	497
JEF	King	221	223	235	229	235	243	246	243	248	254	256	258	260	262	264	268	271	273
JEF	Vernon	461	462	462	480	488	498	504	511	503	494	495	496	496	499	502	504	504	507
JEF	Woodlawn	515	508	497	496	501	501	508	509	513	510	509	510	508	509	521	523	530	529

continued on next page

PSU Population Research Center, July 2014

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

(students attending all PPS schools tabulated by the 2014-15 attendance area boundary in which they reside)

H.S. Clust.	Grades K-5 Attendance Area	< History			Forecast >														
		2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
LIN	Ainsworth	385	379	376	357	356	350	357	359	360	361	368	373	382	396	411	425	439	448
LIN	Bridlemile	486	503	496	486	497	513	526	511	519	522	528	530	536	548	563	581	597	610
LIN	Chapman	605	645	701	754	765	812	824	836	850	849	861	867	877	897	919	940	963	982
LIN	Forest Park	518	526	515	501	486	483	450	455	461	463	464	464	466	474	477	481	483	489
LIN	Skyline	156	152	168	166	162	174	179	172	175	176	178	179	182	187	193	200	206	212
MAD	Harrison Park	684	701	707	697	717	709	702	687	691	698	699	716	725	732	737	743	749	754
MAD	Lee	343	386	388	390	397	395	395	371	381	385	386	394	398	402	405	408	410	411
MAD	Rigler	564	560	595	598	598	600	607	605	596	604	604	618	623	627	632	638	643	644
MAD	Roseway Heights	370	402	381	388	373	378	384	376	379	377	378	386	388	390	393	397	400	401
MAD	Scott	512	486	483	485	493	480	473	477	476	478	480	489	493	497	502	507	510	512
MAD	Vestal	458	460	450	461	459	462	460	461	458	450	451	458	461	464	471	474	475	478
ROO	Astor	328	323	356	363	376	378	382	394	379	375	377	376	380	382	387	390	391	393
ROO	Cesar Chavez	322	334	336	332	329	321	320	311	318	320	324	327	332	333	336	339	340	343
ROO	James John	507	530	561	580	594	612	612	602	600	597	600	599	603	608	613	617	620	622
ROO	Peninsula	279	262	257	274	270	282	283	283	278	271	269	268	268	270	273	275	277	278
ROO	Rosa Parks	492	494	530	517	514	523	518	517	510	514	517	516	519	523	528	533	537	539
ROO	Sitton	522	522	543	571	583	600	573	576	573	567	565	558	568	569	569	570	574	570
WIL	Capitol Hill	399	428	425	444	450	466	481	489	490	489	494	499	507	514	520	527	533	536
WIL	Hayhurst	328	297	301	343	348	376	356	345	350	347	345	343	346	349	353	357	361	365
WIL	Maplewood	365	388	399	411	433	451	453	452	448	445	446	448	453	458	463	467	470	472
WIL	Markham	538	518	520	499	512	541	547	553	547	549	550	552	560	568	574	580	584	587
WIL	Rieke	431	388	402	402	408	422	415	425	436	448	452	455	459	462	466	471	475	478
WIL	Stephenson	281	295	296	289	285	287	290	291	301	308	310	314	317	321	326	329	332	334
Grade K-5 residing in PPS		22,883	23,262	23,706	23,985	24,100	24,324	24,321	24,221	24,211	24,238	24,371	24,565	24,835	25,096	25,382	25,666	25,904	26,080
Grade K-5 residing outside PPS		463	489	534	550	554	560	558	558	559	559	559	559	559	559	559	559	559	559
Grade K-5 Totals		**23,346**	**23,751**	**24,240**	**24,535**	**24,654**	**24,884**	**24,879**	**24,779**	**24,770**	**24,797**	**24,930**	**25,124**	**25,394**	**25,655**	**25,941**	**26,225**	**26,463**	**26,639**

**Note: Changes in attendance areas have been incorporated in the history and forecasts. Beginning in 2012-13 portions of the Alameda area were reassigned to Irvington and Sabin, and residents of the former Humboldt area were reassigned to Boise-Eliot-Humboldt. Beginning in 2013-14 a portion of the current Llewellyn area was reassigned to Duniway.*

PSU Population Research Center, July 2014

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

(students attending all PPS schools tabulated by the 2014-15 attendance area boundary in which they reside)

H.S. Clust.	Grades 6-8 Attendance Area	< History			Forecast >														
		2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
CLE	Hosford Middle 6-8	657	671	744	743	786	812	856	842	836	838	820	808	799	814	821	832	838	847
CLE	Sellwood Middle 6-8	535	531	568	636	662	674	660	672	676	661	635	636	637	648	654	664	667	671
FRA	Arleta K-8	170	160	154	151	146	160	172	206	230	245	235	220	208	206	206	210	211	212
FRA	Bridger K-8	158	147	155	153	155	165	170	177	177	196	200	190	172	171	171	175	176	178
FRA	Creston K-8	144	141	125	128	140	151	148	139	136	134	141	145	141	141	142	146	147	149
FRA	Lane Middle 6-8	582	644	644	632	668	674	692	673	665	654	645	652	640	639	641	652	656	665
FRA	Lent K-8	149	143	159	164	191	184	178	169	172	175	175	169	168	167	168	172	173	175
FRA	Marysville 6-8	168	169	174	185	171	166	162	176	205	212	207	195	192	190	191	197	198	200
FRA	Mt. Tabor Middle 6-8	414	415	420	427	429	444	437	473	477	485	470	465	456	453	455	464	467	470
FRA	Sunnyside K-8	101	110	130	125	136	136	147	155	145	143	132	138	134	133	134	136	136	137
GRA	Beaumont Middle 6-8*	515	542	581	616	660	669	685	658	704	704	710	672	670	676	692	699	701	706
GRA	Beverly Cleary K-8	247	282	297	301	308	341	341	358	375	398	387	361	360	368	372	375	377	380
GRA	Irvington K-8*	167	167	165	168	169	176	168	164	149	139	131	137	143	149	154	158	161	163
GRA	Laurelhurst K-8	213	232	220	228	222	224	219	214	229	232	231	220	221	226	229	232	233	236
GRA	Sabin K-8*	176	170	202	211	197	211	219	245	226	218	216	216	217	220	223	227	226	229
JEF	Beach K-8	138	139	132	153	162	186	180	193	193	207	207	204	203	204	207	205	206	208
JEF	Boise-Eliot-Humboldt K-8*	166	176	160	153	160	175	176	177	176	190	188	189	191	191	192	189	191	193
JEF	Faubion K-8	160	163	172	187	196	203	208	237	254	261	248	241	248	248	249	248	249	249
JEF	King K-8	99	90	82	79	80	82	80	89	93	91	87	90	95	96	97	97	98	99
JEF	Ockley Green K-8	176	171	196	200	210	209	202	210	209	222	221	219	216	216	217	215	217	219
JEF	Vernon K-8	211	187	185	165	167	164	172	174	190	199	203	195	191	192	192	189	189	190
JEF	Woodlawn K-8	239	220	187	168	174	179	176	180	175	181	180	187	189	186	184	183	181	181

continued on next page

PSU Population Research Center, July 2014

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

(students attending all PPS schools tabulated by the 2014-15 attendance area boundary in which they reside)

H.S. Clust.	Grades 6-8 Attendance Area	< History 2011-12	2012-13	2013-14	Forecast > 2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
LIN	Skyline K-8	93	80	94	100	104	95	88	90	99	102	94	97	98	98	98	98	102	106
LIN	Sylvan Middle 6-8	876	932	991	1,051	1,082	1,065	1,087	1,100	1,117	1,110	1,105	1,146	1,154	1,161	1,149	1,144	1,166	1,189
MAD	Harrison Park K-8	332	315	322	325	315	313	318	352	350	339	326	319	321	320	331	336	338	340
MAD	Lee K-8	183	179	175	161	168	176	177	206	200	200	179	181	184	182	187	190	192	193
MAD	Roseway Heights K-8	150	142	160	163	183	172	165	163	172	181	173	169	165	166	171	172	173	175
MAD	Scott K-8	211	208	199	192	180	188	194	198	197	192	194	187	186	186	191	193	195	198
MAD	Vestal K-8	192	190	195	184	197	181	186	184	194	203	203	194	186	184	190	191	193	196
ROO	Astor K-8	133	134	121	141	134	154	152	152	167	176	187	174	168	168	167	169	170	171
ROO	Cesar Chavez K-8	146	149	156	153	152	160	157	168	156	157	144	149	149	151	151	153	154	154
ROO	George Middle 6-8	691	658	628	642	653	663	713	747	795	779	769	768	757	757	745	752	753	760
ROO	Peninsula K-8	111	126	122	118	106	91	96	94	107	117	118	116	108	106	104	103	104	105
WIL	Gray Middle 6-8	475	487	517	570	572	532	565	603	644	625	624	640	638	632	628	633	638	644
WIL	Jackson Middle 6-8	562	547	570	605	639	602	577	575	625	648	663	663	663	665	668	678	685	692
Grade 6-8 residing in PPS		9,740	9,817	10,102	10,378	10,674	10,777	10,923	11,213	11,515	11,614	11,448	11,352	11,268	11,310	11,371	11,477	11,561	11,680
Grade 6-8 residing outside PPS		196	203	201	181	182	190	205	210	214	213	213	214	214	214	214	214	214	214
Grade 6-8 Totals		**9,936**	**10,020**	**10,303**	**10,559**	**10,856**	**10,967**	**11,128**	**11,423**	**11,729**	**11,827**	**11,661**	**11,566**	**11,482**	**11,524**	**11,585**	**11,691**	**11,775**	**11,894**

**Note: History and forecasts reflect attendance area changes that occurred beginning in 2012-13. Grade 6-8 residents of the Rigler Elementary area were reassigned to Beaumont, portions of the Beaumont attendance area were reassigned to Irvington and Sabin, and residents of the former Humboldt area were reassigned to Boise-Eliot-Humboldt.*

PSU Population Research Center, July 2014

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

(students attending all PPS schools tabulated by the 2014-15 high school attendance area boundary in which they reside)

Grades 9-12 Attendance Area	< History			Forecast >														
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Cleveland	1,768	1,794	1,713	1,714	1,791	1,898	1,987	2,109	2,166	2,217	2,264	2,233	2,226	2,188	2,151	2,139	2,141	2,171
Franklin	2,041	1,987	1,988	2,011	2,032	2,084	2,142	2,181	2,239	2,262	2,358	2,417	2,449	2,489	2,444	2,377	2,360	2,350
Grant total	1,737	1,766	1,699	1,714	1,745	1,759	1,861	1,925	1,979	2,025	2,064	2,111	2,087	2,094	2,082	2,052	2,071	2,100
Grant	*1,350*	*1,365*	*1,318*	*1,323*	*1,376*	*1,408*	*1,511*	*1,579*	*1,629*	*1,666*	*1,683*	*1,728*	*1,703*	*1,695*	*1,690*	*1,649*	*1,665*	*1,693*
*Jefferson-Grant**	*387*	*401*	*381*	*391*	*369*	*351*	*350*	*346*	*350*	*359*	*381*	*383*	*384*	*399*	*392*	*403*	*406*	*407*
Jefferson total	1,514	1,527	1,445	1,448	1,376	1,348	1,370	1,370	1,433	1,451	1,515	1,564	1,580	1,642	1,624	1,629	1,625	1,625
*Jefferson-Grant**	*387*	*401*	*381*	*391*	*369*	*351*	*350*	*346*	*350*	*359*	*381*	*383*	*384*	*399*	*392*	*403*	*406*	*407*
*Jefferson-Madison**	*359*	*361*	*328*	*332*	*328*	*321*	*318*	*298*	*301*	*311*	*331*	*349*	*368*	*380*	*370*	*364*	*359*	*359*
*Jefferson-Roosevelt**	*768*	*765*	*736*	*725*	*679*	*677*	*703*	*729*	*782*	*781*	*804*	*832*	*827*	*863*	*861*	*861*	*860*	*858*
Lincoln	1,483	1,546	*1,580*	1,585	1,656	1,709	1,772	1,839	1,833	1,868	1,872	1,838	1,905	1,879	1,888	1,941	1,928	*1,947*
Madison total	*2,037*	*1,980*	*1,875*	*1,864*	*1,867*	*1,889*	*1,957*	*1,935*	*1,955*	*1,971*	*2,057*	*2,090*	*2,133*	*2,167*	*2,072*	*2,050*	*2,049*	*2,039*
Madison	*1,678*	*1,619*	*1,547*	*1,532*	*1,539*	*1,568*	*1,639*	*1,637*	*1,654*	*1,660*	*1,726*	*1,741*	*1,765*	*1,787*	*1,702*	*1,686*	*1,690*	*1,680*
*Jefferson-Madison**	*359*	*361*	*328*	*332*	*328*	*321*	*318*	*298*	*301*	*311*	*331*	*349*	*368*	*380*	*370*	*364*	*359*	*359*
Roosevelt total	*2,079*	*2,057*	*2,041*	*2,002*	*1,980*	*1,977*	*1,984*	*2,048*	*2,091*	*2,159*	*2,223*	*2,306*	*2,352*	*2,376*	*2,381*	*2,346*	*2,329*	*2,328*
Roosevelt	*1,311*	*1,292*	*1,305*	*1,277*	*1,301*	*1,300*	*1,281*	*1,319*	*1,309*	*1,378*	*1,419*	*1,474*	*1,525*	*1,513*	*1,520*	*1,485*	*1,469*	*1,470*
*Jefferson-Roosevelt**	*768*	*765*	*736*	*725*	*679*	*677*	*703*	*729*	*782*	*781*	*804*	*832*	*827*	*863*	*861*	*861*	*860*	*858*
Wilson	1,450	1,316	1,301	1,279	1,273	1,352	1,403	1,442	1,429	1,445	1,455	1,484	1,571	1,582	1,596	1,597	1,601	1,602
Grade 9-12 residing in PPS	12,595	12,446	12,197	12,169	12,344	12,667	13,105	13,476	13,692	13,947	14,292	14,479	14,724	14,775	14,615	14,503	14,479	14,538
Grade 9-12 residing outside PPS	329	300	387	354	333	332	309	289	288	302	320	326	334	332	332	332	332	332
Grade 9-12 Totals	**12,924**	**12,746**	**12,584**	**12,523**	**12,677**	**12,999**	**13,414**	**13,765**	**13,980**	**14,249**	**14,612**	**14,805**	**15,058**	**15,107**	**14,947**	**14,835**	**14,811**	**14,870**

**Note: Dual Assignment Zone.*

PSU Population Research Center, July 2014

APPENDIX C

ENROLLMENT FORECASTS BY SCHOOL

2014-15 to 2028-29

School forecasts are consistent with the district-wide medium growth scenario.

Table C1. Grades K-2 Enrollment by School

School	< History			Forecast >														
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Abernethy	249	258	272	282	276	266	263	266	266	268	269	270	273	276	279	280	280	280
Ainsworth	282	283	275	298	295	292	288	288	285	286	291	297	305	314	322	327	331	333
Alameda	391	365	368	355	349	328	325	326	327	328	328	329	331	334	337	338	338	334
Arleta	145	186	191	189	185	175	168	167	167	170	170	171	171	172	173	175	176	176
Astor	166	162	183	195	212	193	188	189	188	190	191	192	193	194	196	197	197	195
Atkinson	219	223	223	221	222	225	224	223	224	226	227	229	231	232	232	233	234	235
Beach	256	260	247	248	252	249	250	250	251	250	252	254	256	258	260	263	265	267
Beverly Cleary	266	283	312	332	319	292	291	298	302	306	307	309	311	313	315	317	317	316
Boise-Eliot-Humboldt	155	221	218	211	205	205	214	217	218	217	217	218	220	223	227	230	232	231
Bridger	172	174	191	205	191	184	173	172	172	175	176	178	178	179	181	183	184	185
Bridlemile	201	201	217	217	202	215	219	220	217	217	220	225	231	237	244	250	256	258
Buckman	247	233	234	234	241	245	245	249	247	245	243	247	251	255	260	264	267	267
Capitol Hill	200	200	224	235	248	247	244	246	247	250	252	255	259	263	265	267	268	268
Cesar Chavez	165	171	183	194	185	176	162	158	159	160	171	183	195	196	197	187	176	166
Chapman	292	296	334	336	345	355	356	362	358	357	362	370	380	391	400	408	415	420
Chief Joseph/Ock. Green	263	266	280	252	233	230	233	235	238	239	242	244	247	251	255	258	259	259
Creston	155	143	142	142	155	153	151	151	152	155	156	157	158	160	161	163	164	164
Duniway	207	221	219	220	219	216	217	218	219	222	225	226	228	232	236	239	240	240
Faubion	180	185	195	202	186	184	185	186	187	186	187	188	189	191	190	191	192	192
Forest Park	233	220	222	185	195	206	214	218	219	219	222	224	228	232	235	236	235	235
Glencoe	233	253	258	264	249	246	241	240	240	244	245	247	250	253	255	257	258	259
Grout	204	210	211	216	215	211	209	209	210	213	216	218	221	224	228	231	233	234
Harrison Park	247	258	264	244	226	226	233	234	241	243	245	247	249	251	253	255	256	256
Hayhurst	93	90	107	131	129	134	131	130	129	130	130	130	131	133	135	136	136	136
Hayhurst-Odyssey	74	72	70	71	70	71	72	72	72	72	72	72	72	72	72	72	72	72
Humboldt	84	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Irvington	173	169	162	158	158	169	174	178	180	182	184	186	189	191	193	195	197	197
James John	211	246	264	267	254	255	253	253	250	253	255	257	259	260	262	263	264	263
Kelly	337	363	362	353	348	342	338	337	339	344	346	348	350	352	355	358	359	360
King	102	132	140	184	212	233	229	227	225	225	226	227	229	230	232	233	234	234
Laurelhurst	224	210	225	225	221	212	213	218	221	224	225	227	229	231	233	235	236	236
Lee	167	199	186	187	166	170	171	170	175	178	181	183	185	186	186	186	186	186

continued on next page

PSU Population Research Center, July 2014

Table C1 (continued). Grades K-2 Enrollment by School

School	< History			Forecast >														
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Lent	234	219	220	215	203	194	196	199	205	214	217	218	219	218	218	218	219	219
Lewis	198	194	194	192	184	186	185	187	187	191	196	202	205	209	212	213	213	213
Llewellyn	296	297	274	244	224	233	236	239	240	243	243	244	247	251	254	255	255	255
Maplewood	160	167	177	181	183	187	182	180	179	182	185	187	188	189	191	193	194	194
Markham	208	192	217	230	236	233	232	230	229	232	235	238	241	244	246	248	249	250
Marysville	109	120	167	187	189	173	168	165	165	169	171	174	178	180	181	181	181	181
Ockley Green	83	62	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Peninsula	115	126	153	170	165	159	149	149	147	148	149	150	151	152	153	153	153	153
Rieke	219	193	199	182	186	197	207	208	208	209	211	214	217	219	221	222	223	223
Rigler	248	240	245	248	249	234	238	238	246	249	249	251	252	255	257	260	261	260
Rosa Parks	190	197	197	197	189	194	195	196	194	195	196	197	199	200	202	203	204	204
Roseway Heights	200	207	196	223	239	262	257	257	261	263	265	267	268	268	269	271	273	274
Sabin	179	215	221	226	210	211	207	211	212	213	214	216	219	222	225	225	225	225
Scott	212	207	220	228	214	190	189	190	195	198	199	201	201	202	203	205	205	205
Sitton	188	212	227	217	210	208	202	206	207	215	216	218	219	219	220	220	220	218
Skyline	85	79	89	90	84	89	86	86	86	86	88	89	91	93	97	99	101	102
Stephenson	159	145	137	130	124	132	139	142	143	146	145	145	146	149	151	152	152	152
Sunnyside Environm.	198	182	176	176	172	186	185	184	185	187	187	188	189	190	190	191	191	190
Vernon	172	175	176	175	169	164	164	164	163	162	162	162	164	166	166	167	167	166
Vestal	140	139	140	141	153	147	150	149	153	156	158	160	161	163	162	165	164	163
Whitman	189	176	171	173	166	174	177	179	178	179	181	186	193	197	199	199	199	199
Woodlawn	170	182	190	207	197	198	205	208	208	206	207	209	212	214	217	218	219	216
Woodmere	201	196	191	176	177	180	183	184	187	191	193	194	196	198	201	203	204	204
Woodstock	264	269	263	267	256	256	251	253	253	253	253	254	257	261	264	266	265	264
ACCESS	26	35	26	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
Creative Science	164	164	168	169	168	168	168	168	168	168	168	168	168	168	168	168	168	168
Metro. Learning Ctr	76	74	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76	76
Richmond	333	328	337	335	335	334	334	334	334	334	334	334	334	334	334	334	334	334
Winterhaven	79	79	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80
Other Schools & Programs[1]	442	536	589	597	605	577	506	513	547	557	556	565	584	624	663	706	739	766
TOTAL K-2	**12,130**	**12,360**	**12,695**	**12,810**	**12,631**	**12,552**	**12,446**	**12,507**	**12,586**	**12,701**	**12,792**	**12,920**	**13,079**	**13,252**	**13,414**	**13,543**	**13,616**	**13,633**

PSU Population Research Center, July 2014

1. Includes Focus/Alternative Programs not reported individually, and all Community-Based Programs, Special Services, and Public Charter Programs.

Table C2. Grades 3-5 Enrollment by School

School	< History			Forecast >														
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Abernethy	206	247	256	268	267	291	302	292	279	275	278	278	280	281	282	285	288	291
Ainsworth	286	286	301	277	285	279	300	297	293	287	287	286	286	290	296	304	313	321
Alameda	391	404	405	404	374	380	370	364	343	340	341	342	343	343	344	346	349	349
Arleta	132	128	140	148	166	178	174	167	158	152	152	152	155	155	155	155	155	156
Astor	164	156	150	146	140	163	170	186	168	163	164	163	165	166	167	168	169	171
Atkinson	228	217	218	212	211	211	210	211	214	213	212	213	215	216	218	220	221	221
Beach	173	189	218	227	229	219	224	227	225	226	226	226	225	226	227	229	231	233
Beverly Cleary	217	234	272	280	300	321	338	323	295	294	301	305	309	310	312	314	316	318
Boise-Eliot-Humboldt	134	182	177	174	174	180	179	173	174	180	183	185	183	183	184	186	190	194
Bridger	143	153	156	161	170	179	196	182	175	165	164	164	167	168	169	169	170	172
Bridlemile	271	256	233	224	237	240	241	224	240	243	244	241	241	245	250	256	262	272
Buckman	241	227	218	219	216	206	210	217	220	219	223	220	218	216	219	222	225	230
Capitol Hill	171	203	181	188	189	213	224	235	234	231	233	234	237	239	242	246	250	252
Cesar Chavez	131	149	160	159	165	176	189	181	170	155	151	151	152	164	176	189	190	191
Chapman	270	296	312	355	353	390	392	403	414	415	421	417	415	421	431	441	453	464
Chief Joseph/Ock. Green	181	193	243	252	248	225	205	189	185	188	190	193	194	197	197	199	204	205
Creston	127	109	112	109	107	109	108	116	115	113	113	114	116	116	117	118	120	121
Duniway	218	202	218	232	236	247	240	233	227	228	229	231	234	236	237	239	243	247
Faubion	122	139	150	159	178	184	193	176	172	176	177	179	177	178	178	179	182	180
Forest Park	258	282	268	288	262	249	211	222	235	244	247	248	248	252	255	261	266	270
Glencoe	220	219	244	239	259	259	265	250	247	242	241	241	245	246	248	251	254	256
Grout	155	161	166	182	174	183	188	188	183	179	178	177	180	182	183	185	188	192
Harrison Park	245	250	228	230	263	259	238	217	218	227	227	233	235	236	238	240	242	244
Hayhurst	92	82	75	112	130	148	146	144	149	146	145	144	145	145	145	146	148	150
Hayhurst-Odyssey	79	86	78	71	74	73	76	75	76	77	77	77	77	77	77	77	77	77
Humboldt	66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Irvington	194	176	178	180	181	169	163	163	175	178	181	182	184	186	188	191	193	195
James John	191	193	197	204	239	261	257	247	247	246	246	243	246	248	250	252	253	254
Kelly	233	263	260	296	312	329	320	315	309	307	306	307	311	313	315	317	319	321
King	111	87	105	102	120	132	166	191	210	207	205	203	203	204	205	207	208	209
Laurelhurst	240	234	231	227	218	228	226	223	213	214	220	223	226	227	229	231	233	235
Lee	151	158	161	162	180	173	172	152	155	156	155	160	163	166	168	170	171	171

continued on next page

PSU Population Research Center, July 2014

Table C2 (continued). Grades 3-5 Enrollment by School

School	< History			Forecast >														
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Lent	204	198	213	206	206	203	197	184	175	177	181	187	196	199	200	200	199	199
Lewis	195	206	220	201	189	191	191	181	183	182	184	184	189	194	200	204	209	213
Llewellyn	247	286	296	289	281	256	235	222	231	234	237	238	241	241	242	245	249	252
Maplewood	175	160	156	152	155	165	171	172	175	170	168	167	170	173	175	176	177	179
Markham	176	191	176	147	150	170	180	184	181	180	178	177	180	183	186	189	192	194
Marysville	121	107	117	112	126	161	182	184	168	163	161	162	167	168	170	173	175	176
Ockley Green	79	56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Peninsula	130	122	114	117	122	145	159	154	149	141	141	140	141	142	143	144	144	144
Rieke	197	195	189	208	209	207	189	193	203	213	214	214	215	217	219	221	222	224
Rigler	206	209	218	213	216	229	236	233	221	222	222	230	233	233	234	235	239	240
Rosa Parks	197	191	187	168	177	181	185	177	180	181	182	179	180	181	182	184	185	188
Roseway Heights	199	222	199	198	181	182	203	218	240	235	235	239	241	243	245	246	246	247
Sabin	119	121	152	172	211	209	211	195	196	191	194	195	196	197	198	201	203	205
Scott	155	153	155	159	196	224	225	201	175	175	175	179	182	183	184	184	184	184
Sitton	145	144	149	191	207	209	193	183	182	177	184	187	196	197	199	200	200	201
Skyline	104	106	95	96	95	102	104	97	101	99	99	99	99	101	103	107	110	113
Stephenson	176	184	183	167	164	150	145	139	148	155	159	160	163	163	163	164	167	169
Sunnyside Environm.	192	194	188	184	185	169	170	168	180	179	178	180	181	181	182	183	184	184
Vernon	125	134	130	137	145	153	152	145	141	140	140	140	139	139	139	140	141	142
Vestal	145	131	127	121	117	125	128	140	132	135	134	138	141	143	145	145	146	146
Whitman	172	175	178	168	158	153	154	146	153	153	155	154	155	156	158	162	165	167
Woodlawn	139	144	141	133	152	154	166	157	158	164	167	167	165	166	168	171	172	173
Woodmere	196	187	180	183	171	168	152	154	157	159	161	164	167	169	170	172	174	177
Woodstock	227	239	242	244	254	250	253	243	243	238	240	240	240	240	241	244	248	251
ACCESS	82	75	103	140	168	168	168	168	168	168	168	168	168	168	168	168	168	168
Creative Science	137	165	179	178	180	180	181	180	180	180	180	180	180	180	180	180	180	180
Metro. Learning Ctr	78	79	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
Richmond	280	284	300	303	299	305	303	303	302	302	302	302	302	302	302	302	302	302
Winterhaven	91	92	90	91	92	93	93	93	93	93	93	93	93	93	93	93	93	93
Other Schools & Programs[1]	486	480	479	482	482	498	536	597	573	526	511	531	542	541	558	578	612	655
TOTAL 3-5	**11,216**	**11,391**	**11,545**	**11,725**	**12,023**	**12,332**	**12,433**	**12,272**	**12,184**	**12,096**	**12,138**	**12,204**	**12,315**	**12,403**	**12,527**	**12,682**	**12,847**	**13,006**

PSU Population Research Center, July 2014

1. Includes Focus/Alternative Programs not reported individually, and all Community-Based Programs, Special Services, and Public Charter Programs.

Table C3. Grades 6-8 Enrollment by School

School	< History			Forecast >														
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Arleta K-8	145	148	145	151	151	160	168	184	191	181	169	160	154	155	155	157	157	157
Astor K-8	152	160	167	174	167	156	153	145	167	176	189	172	168	168	168	170	171	172
Beach K-8	133	144	155	166	170	201	213	218	208	211	214	212	213	213	213	212	213	214
Beverly Cleary K-8	191	213	230	241	253	281	285	304	326	341	326	296	295	302	306	310	311	313
Boise-Eliot-Humboldt K-8	80	112	92	95	99	104	103	105	108	109	105	105	110	111	111	109	109	110
Bridger K-8	81	78	88	93	105	112	115	124	131	146	141	135	126	125	125	127	128	129
Cesar Chavez K-8	157	153	140	151	170	180	180	189	198	211	196	186	172	168	168	169	183	196
Creston K-8	98	93	96	92	88	90	87	88	88	86	94	93	91	91	91	93	93	94
Faubion K-8	112	110	123	122	136	148	156	174	181	185	172	168	174	175	175	173	174	175
Harrison Park K-8	259	249	250	243	227	215	219	251	246	221	199	202	213	213	218	220	221	223
Hayhurst-Odyssey	82	82	85	83	80	79	72	75	75	77	77	79	80	80	80	80	80	80
Humboldt K-8	51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Irvington K-8	116	115	138	153	138	134	138	140	130	125	129	139	140	142	143	145	147	147
King K-8	59	73	66	70	67	74	73	86	91	116	134	148	144	143	142	142	142	142
Laurelhurst K-8	220	221	217	204	210	206	202	193	204	202	199	190	191	197	200	203	204	206
Lee K-8	141	140	146	135	147	148	150	166	159	160	140	143	145	143	148	151	155	157
Lent K-8	139	156	171	185	203	213	215	221	220	204	184	176	178	183	190	200	204	204
Marysville K-8	133	125	132	133	124	118	115	131	168	188	189	173	167	165	166	172	173	175
Chief Joseph/Ock. Green K-8	107	125	119	129	141	152	163	156	141	120	108	106	109	111	112	112	113	114
Peninsula K-8	113	120	109	108	103	95	99	106	124	135	131	127	121	121	120	121	122	123
Rigler[1]	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Roseway Heights K-8	190	187	211	205	219	191	186	171	169	188	201	222	217	217	221	223	225	227
Sabin K-8	79	84	112	116	118	137	156	192	189	190	176	175	171	173	174	175	176	177
Scott K-8	154	144	132	126	117	124	126	149	171	183	167	141	140	141	144	146	147	148
Skyline K-8	87	88	81	82	91	88	97	98	103	105	99	104	102	102	102	102	105	107
Sunnyside Env. K-8	218	229	223	207	198	204	196	196	179	178	177	193	192	191	192	194	194	195
Vernon K-8	183	131	88	87	89	101	108	115	120	120	116	113	112	112	112	111	111	111
Vestal K-8	135	125	135	127	125	118	109	104	112	116	128	120	123	122	126	129	130	130
Woodlawn K-8	100	93	98	78	81	83	79	91	92	95	92	93	97	97	97	97	98	98

continued on next page

PSU Population Research Center, July 2014

Table C3 (continued). Grades 6-8 Enrollment by School

School	< History			Forecast >														
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Beaumont MS	481	583	584	545	572	580	590	572	602	603	606	580	580	583	593	597	598	601
East/ West Sylvan MS	848	888	945	990	988	953	958	968	984	978	972	1,006	1,014	1,018	1,010	1,006	1,022	1,041
George MS	360	385	373	393	411	417	446	466	490	479	471	469	464	465	459	464	466	470
Gray MS	422	422	464	505	525	496	530	556	585	568	568	579	576	574	572	576	579	583
Hosford MS	534	538	576	589	611	614	640	626	630	634	630	621	615	624	628	635	640	646
Jackson MS	533	532	533	562	588	557	538	542	582	603	612	615	615	618	620	629	635	641
Jefferson YWA[2]	96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lane MS	441	486	505	513	559	572	591	604	616	631	615	622	611	609	611	620	623	629
Mt. Tabor MS	593	606	628	664	671	692	687	712	715	721	709	706	701	699	701	706	708	710
Sellwood MS	486	455	483	524	540	544	539	554	556	548	527	529	530	543	551	561	563	566
ACCESS	90	109	107	143	155	166	166	166	166	166	166	166	166	166	166	166	166	166
Creative Science	55	59	78	104	123	134	137	143	147	148	147	147	147	147	147	147	147	147
da Vinci	462	470	468	464	458	458	458	458	458	458	458	458	458	458	458	458	458	458
Metro. Learning Ctr.	155	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156	156
Winterhaven	176	181	186	183	180	178	180	182	184	184	184	184	184	184	184	184	184	184
Other Schools & Programs[3]	419	452	468	468	502	538	549	546	567	581	588	557	520	519	530	543	544	572
TOTAL 6-8	**9,936**	**10,020**	**10,303**	**10,559**	**10,856**	**10,967**	**11,128**	**11,423**	**11,729**	**11,827**	**11,661**	**11,566**	**11,482**	**11,524**	**11,585**	**11,691**	**11,775**	**11,894**

PSU Population Research Center, July 2014

1. Rigler served grades K-6 in 2011-12, grades K-5 since 2012-13.

2. Jefferson Young Women's Academy also included students in grades 9-12. Figures in this table are for grades 6-8 only.

3. Includes Focus/Alternative Programs not reported individually, and all Community-Based Programs, Special Services, and Public Charter Programs.

Table C4. Grades 9-12 Enrollment by School

School	< History			Forecast >														
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Benson	889	889	830	886	904	932	940	940	940	940	940	940	940	940	940	940	940	940
Cleveland	1,520	1,532	1,523	1,470	1,524	1,575	1,648	1,750	1,794	1,832	1,866	1,845	1,839	1,807	1,781	1,773	1,778	1,800
Franklin	1,480	1,469	1,460	1,491	1,455	1,484	1,525	1,561	1,600	1,616	1,677	1,716	1,736	1,756	1,723	1,675	1,666	1,664
Grant	1,565	1,536	1,486	1,486	1,515	1,560	1,668	1,763	1,830	1,865	1,883	1,921	1,902	1,895	1,887	1,860	1,876	1,899
Jefferson	413	441	511	564	590	618	626	640	657	661	681	689	692	707	703	710	712	712
Jefferson YWA[1]	75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lincoln	1,476	1,513	1,565	1,533	1,562	1,608	1,649	1,703	1,691	1,724	1,735	1,712	1,766	1,744	1,757	1,802	1,791	1,806
Madison	1,161	1,107	1,066	1,048	1,068	1,097	1,142	1,150	1,153	1,157	1,205	1,215	1,224	1,231	1,186	1,179	1,183	1,186
Marshall	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Roosevelt	748	828	914	981	1,062	1,075	1,081	1,106	1,115	1,159	1,195	1,241	1,268	1,269	1,270	1,247	1,238	1,237
Wilson	1,387	1,236	1,230	1,217	1,213	1,289	1,316	1,358	1,334	1,355	1,372	1,392	1,474	1,481	1,499	1,502	1,503	1,508
Metro. Learning Ctr.[2]	138	146	130	124	126	125	132	132	132	132	132	132	132	132	132	132	132	132
Other Schools & Programs[3]	2,072	2,049	1,869	1,723	1,658	1,636	1,687	1,662	1,734	1,808	1,926	2,002	2,085	2,145	2,069	2,015	1,992	1,986
TOTAL 9-12	**12,924**	**12,746**	**12,584**	**12,523**	**12,677**	**12,999**	**13,414**	**13,765**	**13,980**	**14,249**	**14,612**	**14,805**	**15,058**	**15,107**	**14,947**	**14,835**	**14,811**	**14,870**

PSU Population Research Center, July 2014

1. *Jefferson Young Women's Academy also included students in grades 6-8. Figures in this table are for grades 9-12 only.*
2. *Metropolitan Learning Center also includes students in grades K-8. Figures in this table are for grades 9-12 only.*
3. *Includes Focus/Alternative Programs not reported individually, and all Community-Based Programs, Special Services, and Public Charter Programs.*

Table C5. Total K-12 Enrollment by School

School	< History			Forecast >														
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
Abernethy ES	455	505	528	550	543	557	565	558	545	543	547	548	553	557	561	565	568	571
Ainsworth ES	568	569	576	575	580	571	588	585	578	573	578	583	591	604	618	631	644	654
Alameda ES	782	769	773	759	723	708	695	690	670	668	669	671	674	677	681	684	687	683
Arleta K-8	422	462	476	488	502	513	510	518	516	503	491	483	480	482	483	487	488	489
Astor K-8	482	478	500	515	519	512	511	520	523	529	544	527	526	528	531	535	537	538
Atkinson ES	447	440	441	433	433	436	434	434	438	439	439	442	446	448	450	453	455	456
Beach K-8	562	593	620	641	651	669	687	695	684	687	692	692	694	697	700	704	709	714
Beverly Cleary K-8	674	730	814	853	872	894	914	925	923	941	934	910	915	925	933	941	944	947
Boise-Eliot-Humboldt K-8	369	515	487	480	478	489	496	495	500	506	505	508	513	517	522	525	531	535
Bridger K-8	396	405	435	459	466	475	484	478	478	486	481	477	471	472	475	479	482	486
Bridlemile ES	472	457	450	441	439	455	460	444	457	460	464	466	472	482	494	506	518	530
Buckman ES	488	460	452	453	457	451	455	466	467	464	466	467	469	471	479	486	492	497
Capitol Hill ES	371	403	405	423	437	460	468	481	481	481	485	489	496	502	507	513	518	520
Cesar Chavez K-8	453	473	483	504	520	532	531	528	527	526	518	520	519	528	541	545	549	553
Chapman ES	562	592	646	691	698	745	748	765	772	772	783	787	795	812	831	849	868	884
Chief Joseph/Ock. Green K-8	444	459	642	633	622	607	601	580	564	547	540	543	550	559	564	569	576	578
Creston K-8	380	345	350	343	350	352	346	355	355	354	363	364	365	367	369	374	377	379
Duniway ES	425	423	437	452	455	463	457	451	446	450	454	457	462	468	473	478	483	487
Faubion K-8	414	434	468	483	500	516	534	536	540	547	536	535	540	544	543	543	548	547
Forest Park ES	491	502	490	473	457	455	425	440	454	463	469	472	476	484	490	497	501	505
Glencoe ES	453	472	502	503	508	505	506	490	487	486	486	488	495	499	503	508	512	515
Grout ES	359	371	377	398	389	394	397	397	393	392	394	395	401	406	411	416	421	426
Harrison Park K-8	751	757	742	717	716	700	690	702	705	691	671	682	697	700	709	715	719	723
Hayhurst ES	185	172	182	243	259	282	277	274	278	276	275	274	276	278	280	282	284	286
Hayhurst-Odyssey K-8	235	240	233	225	224	223	220	222	223	226	226	228	229	229	229	229	229	229
Humboldt K-8	201	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Irvington K-8	483	460	478	491	477	472	475	481	485	485	494	507	513	519	524	531	537	539
James John ES	402	439	461	471	493	516	510	500	497	499	501	500	505	508	512	515	517	517
Kelly ES	570	626	622	649	660	671	658	652	648	651	652	655	661	665	670	675	678	681
King K-8	272	292	311	356	399	439	468	504	526	548	565	578	576	577	579	582	584	585
Laurelhurst K-8	684	665	673	656	649	646	641	634	638	640	644	640	646	655	662	669	673	677

continued on next page

PSU Population Research Center, July 2014

Table C5 (continued). Total K-12 Enrollment by School

School	< History			Forecast >														
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2025-26	2025-26	2025-26
Lee K-8	459	497	493	484	493	491	493	488	489	494	476	486	493	495	502	507	512	514
Lent K-8	577	573	604	606	612	610	608	604	600	595	582	581	593	600	608	618	622	622
Lewis ES	393	400	414	393	373	377	376	368	370	373	380	386	394	403	412	417	422	426
Llewellyn ES	543	583	570	533	505	489	471	461	471	477	480	482	488	492	496	500	504	507
Maplewood ES	335	327	333	333	338	352	353	352	354	352	353	354	358	362	366	369	371	373
Markham ES	384	383	393	377	386	403	412	414	410	412	413	415	421	427	432	437	441	444
Marysville K-8	363	352	416	432	439	452	465	480	501	520	521	509	512	513	517	526	529	532
Ockley Green	269	243	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Peninsula K-8	358	368	376	395	390	399	407	409	420	424	421	417	413	415	416	418	419	420
Rieke ES	416	388	388	390	395	404	396	401	411	422	425	428	432	436	440	443	445	447
Rigler ES[1,2]	524	449	463	461	465	463	474	471	467	471	471	481	485	488	491	495	500	500
Rosa Parks ES	387	388	384	365	366	375	380	373	374	376	378	376	379	381	384	387	389	392
Roseway Heights K-8	589	616	606	626	639	635	646	646	670	686	701	728	726	728	735	740	744	748
Sabin K-8	377	420	485	514	539	557	574	598	597	594	584	586	586	592	597	601	604	607
Scott K-8	521	504	507	513	527	538	540	540	541	556	541	521	523	526	531	535	536	537
Sitton ES	333	356	376	408	417	417	395	389	389	392	400	405	415	416	419	420	420	419
Skyline K-8	276	273	265	268	270	279	287	281	290	290	286	292	292	296	302	308	316	322
Stephenson ES	335	329	320	297	288	282	284	281	291	301	304	305	309	312	314	316	319	321
Sunnyside Environm. K-8	608	605	587	567	555	559	551	548	544	544	542	561	562	562	564	568	569	569
Vernon K-8[2]	480	440	394	399	403	418	424	424	424	422	418	415	415	417	417	418	419	419
Vestal K-8	420	395	402	389	395	390	387	393	397	407	420	418	425	428	433	439	440	439
Whitman ES	361	351	349	341	324	327	331	325	331	332	336	340	348	353	357	361	364	366
Woodlawn K-8	409	419	429	418	430	435	450	456	458	465	466	469	474	477	482	486	489	487
Woodmere ES	397	383	371	359	348	348	335	338	344	350	354	358	363	367	371	375	378	381
Woodstock ES	491	508	505	511	510	506	504	496	496	491	493	494	497	501	505	510	513	515

continued on next page

PSU Population Research Center, July 2014

Table C5 (continued). Total K-12 Enrollment by School

School	< History			Forecast >														
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2025-26	2025-26	2025-26
Beaumont MS	481	583	584	545	572	580	590	572	602	603	606	580	580	583	593	597	598	601
East/ West Sylvan MS	848	888	945	990	988	953	958	968	984	978	972	1006	1014	1018	1010	1006	1022	1,041
George MS	360	385	373	393	411	417	446	466	490	479	471	469	464	465	459	464	466	470
Gray MS	422	422	464	505	525	496	530	556	585	568	568	579	576	574	572	576	579	583
Hosford MS	534	538	576	589	611	614	640	626	630	634	630	621	615	624	628	635	640	646
Jackson MS	533	532	533	562	588	557	538	542	582	603	612	615	615	618	620	629	635	641
Lane MS	441	486	505	513	559	572	591	604	616	631	615	622	611	609	611	620	623	629
Mt. Tabor MS	593	606	628	664	671	692	687	712	715	721	709	706	701	699	701	706	708	710
Sellwood MS	486	455	483	524	540	544	539	554	556	548	527	529	530	543	551	561	563	566
Benson HS	889	889	830	886	904	932	940	940	940	940	940	940	940	940	940	940	940	940
Cleveland HS	1,520	1,532	1,523	1,470	1,524	1,575	1,648	1,750	1,794	1,832	1,866	1,845	1,839	1,807	1,781	1,773	1,778	1,800
Franklin HS	1,480	1,469	1,460	1,491	1,455	1,484	1,525	1,561	1,600	1,616	1,677	1,716	1,736	1,756	1,723	1,675	1,666	1,664
Grant HS	1,565	1,536	1,486	1,486	1,515	1,560	1,668	1,763	1,830	1,865	1,883	1,921	1,902	1,895	1,887	1,860	1,876	1,899
Jefferson HS	413	441	511	564	590	618	626	640	657	661	681	689	692	707	703	710	712	712
Jefferson YWA	171	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lincoln HS	1,476	1,513	1,565	1,533	1,562	1,608	1,649	1,703	1,691	1,724	1,735	1,712	1,766	1,744	1,757	1,802	1,791	1,806
Madison HS	1,161	1,107	1,066	1,048	1,068	1,097	1,142	1,150	1,153	1,157	1,205	1,215	1,224	1,231	1,186	1,179	1,183	1,186
Roosevelt HS	748	828	914	981	1,062	1,075	1,081	1,106	1,115	1,159	1,195	1,241	1,268	1,269	1,270	1,247	1,238	1,237
Wilson HS	1,387	1,236	1,230	1,217	1,213	1,289	1,316	1,358	1,334	1,355	1,372	1,392	1,474	1,481	1,499	1,502	1,503	1,508
ACCESS	198	219	236	308	348	359	359	359	359	359	359	359	359	359	359	359	359	359
Creative Science K-8	356	388	425	451	471	482	486	491	495	496	495	495	495	495	495	495	495	495
da Vinci MS	462	470	468	464	458	458	458	458	458	458	458	458	458	458	458	458	458	458
Metro. Learning Ctr. K-12	447	455	440	434	436	435	442	442	442	442	442	442	442	442	442	442	442	442
Richmond ES	613	612	637	638	634	639	637	637	636	636	636	636	636	636	636	636	636	636
Winterhaven K-8	346	352	356	354	352	351	353	355	357	357	357	357	357	357	357	357	357	357
Other Schools & Programs[3]	3,419	3,517	3,405	3,270	3,247	3,249	3,278	3,318	3,421	3,472	3,581	3,655	3,731	3,829	3,820	3,842	3,887	3,979
TOTAL K-12	**46,206**	**46,517**	**47,127**	**47,617**	**48,187**	**48,850**	**49,421**	**49,967**	**50,479**	**50,873**	**51,203**	**51,495**	**51,934**	**52,286**	**52,473**	**52,751**	**53,049**	**53,403**

PSU Population Research Center, July 2014

1. Rigler served grades K-6 in 2011-12, grades K-5 since 2012-13.

2. Rigler 7th and 8th grade students were assigned to Vernon in 2011-12.

3. Includes Focus/Alternative Programs not reported individually, and all Community-Based Programs, Special Services, and Public Charter Programs.