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Ashland School District: Population and Enrollment Forecasts 2017-18 to 2026-27

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**ASHLAND SCHOOL DISTRICT
ENROLLMENT FORECAST
2017-18 TO 2026-27**



FEBRUARY 2017

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ENROLLMENT FORECAST
2017-18 TO 2026-27**

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

February 2017

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EXECUTIVE SUMMARY

This report presents two district-wide enrollment forecasts by grade level for the Ashland School District (ASD) for the 10-year period between 2017-18 and 2026-27. The forecasts are based upon two different sets of assumptions. The HIGH SERIES forecast assumes that ASD's open enrollment policy continues similar to recent years. The LOW SERIES forecast assumes no new open enrollment for the District after 2016-17, and that non-resident enrollment reverts to levels observed before 2012-13. Individual school forecasts consistent with the HIGH SERIES are also presented for the 10-year period.

Population Trends

- Between 2000 and 2010, total population within the ASD grew from 23,596 persons to 24,218: an Average Annual Growth Rate (AAGR) of 0.3 percent. The City of Ashland had a slightly lower AAGR of .2 percent.
- Between 2010 and 2016 the City of Ashland's AAGR was 0.4 percent, higher than the 2000-2010 decade.
- From 1999 to 2015, births to residents of the ASD fluctuated throughout the period, but generally declined. Births peaked in 2000 at 186, and reached their low point in 2014 at 140.

Economic Trends

- Over three-quarters of employed ASD residents work within Jackson County. Most other workers within ASD commute to jobs in Josephine or have employers based in Lane, Multnomah or Marion Counties.
- Jackson County added 9,500 jobs between 2002 and 2007, lost 9,620 jobs between 2007 and 2011, and gained back 7,080 jobs between 2011 and 2015.
- Jackson County's unemployment rate rose from 5.6 percent in 2007 to 12.8 percent in 2009; it then declined to 5.9 percent in 2016.

Housing Growth and Characteristics

- Single-family housing development peaked in 1999 at 180 homes and then declined to 106 homes in 2002. SFR permits peaked again in 2005 at 148 and then dropped precipitously, declining to 21 in 2008. Between 2008 and 2015, SFR permits averaged 35 per year.
- During the last five years, most new SFRs have been built in the Helman attendance area, with smaller numbers in Walker and Bellview.
- Multiple Family housing development has been relatively weak for most of the last 10 years, compared to the period of 10 to 20 years ago. However, there are six new developments slated for completion in 2017.

Enrollment Trends

- For four of the first five years of the 10-year historical period ASD showed year-by-year district-wide losses, resulting in a decline of 189 students between 2006-07 and 2011-12.
- Between 2011-12 and 2016-17, the trend above reversed. Enrollment increased by 201 students during these years.
- By individual grade over the 10-year historical period, the largest gains were in fourth grade and Kindergarten. The largest losses were in 12th grade.

District-wide Enrollment Forecast: HIGH SERIES

- District enrollment increases over each of the ten years of the forecast period, resulting in an increase of 290 students.
- During the first five forecast years, District enrollment increases by 175 students. Grades K-5 show the largest increase during this period.
- During the second five forecast years, District enrollment increases by 115 students. Grades 9-12 show the largest increase during this period.

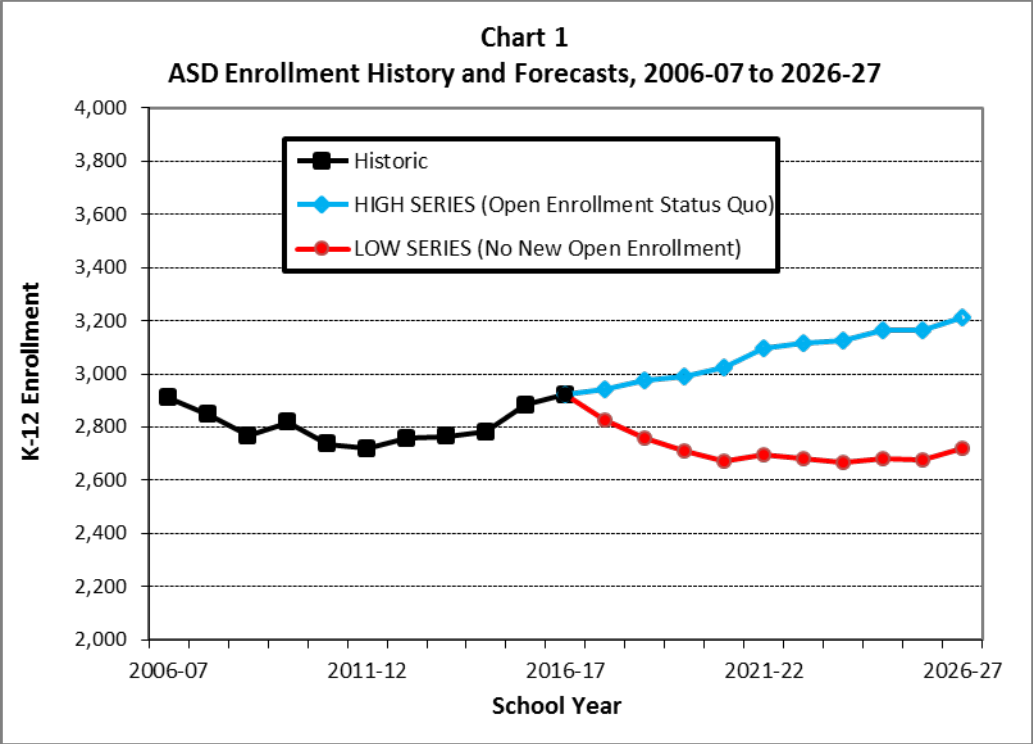
District-wide Enrollment Forecast: LOW SERIES

- District enrollment for the 10 year forecast period declines by 202 students.
- Losses during the period occur in all grade groupings (K-5, 6-8, 9-12).

Table 1 summarizes historic and forecast K-12 enrollments by five-year intervals under the two scenarios. Chart 1 depicts the District’s 10-year K-12 enrollment history and the two K-12 forecast scenarios.

School Year	HIGH SERIES		LOW SERIES	
	Enroll-ment	5 year growth	Enroll-ment	5 year growth
2006-07	2,909		2,909	
2011-12	2,720	-189	2,720	-189
2016-17	2,921	201	2,921	201
2021-22 (fcst.)	3,096	175	2,695	-226
2026-27 (fcst.)	3,211	115	2,719	24
AAEG*, 2016-17 to 2026-27'	1.0%		-0.7%	

**Note: Average Annual Enrollment Growth.
Source: Historic enrollment, Ashland School District; Enrollment forecasts, Population Research Center, PSU. December 2016.*



INTRODUCTION

The Ashland School District (ASD) requested that the Portland State University Population Research Center (PRC) prepare enrollment forecasts for use in the District's planning. This study integrates information about ASD enrollment trends with local area population, housing, and economic trends, and presents forecasts for a 10-year horizon from 2017-18 to 2026-27.

In the next few sections, overviews of the local area population, housing and economic trends, and ASD enrollment history will be presented. Following are the methodology and results of the district-wide and individual school enrollment forecasts for the period between 2017-18 and 2026-27.

Appendix A contains a five-page profile comparing the results of the 2000 and 2010 censuses for the District.

The Ashland School District serves the City of Ashland and portions of unincorporated Jackson County. The entire District is within Jackson County.

Information sources for this report include the U.S. Census Bureau, birth data from the Oregon Center for Health Statistics, annual city and county population estimates produced by PRC, county and urban growth boundary (UGB) population forecasts produced by PRC in 2015, county employment trends and forecasts from the Oregon Employment Department, and housing development data from the City of Ashland.

POPULATION, ECONOMIC, AND HOUSING TRENDS, 2000 to 2016

Population Trends

Between 2000 and 2010, total population within the ASD grew from 23,596 persons to 24,218: an Average Annual Growth Rate (AAGR) of 0.3 percent. The City of Ashland had a slightly lower AAGR of 0.2 percent. Jackson County's AAGR was much higher at 1.1 percent.

Between 2010 and 2016 the City of Ashland's AAGR was 0.4 percent, higher than the 2000-2010 decade, while Jackson County's was lower at 0.8 percent.

Table 2 includes PRC estimates for 2000, 2010, and 2016.

	2000	2010	2016	Avg. Annual Growth Rate	
				2000-2010	2010-2016
Ashland S.D. Total*	23,596	24,218	N/A	0.3%	N/A
City of Ashland	19,610	20,095	20,620	0.2%	0.4%
Unincorporated area	3,986	4,123	N/A	0.3%	N/A
Jackson County	182,200	203,340	213,765	1.1%	0.8%

Source: Population Research Center, Population Estimates

**School District population determined by PSU-PRC based on aggregation of census blocks within the ASD boundary shapefiles. The 2010 ASD population published by the Census Bureau is 24,282.*

Economic Trends

Over three-quarters of employed ASD residents work within Jackson County, with 47 percent working within the area of the school district itself. Forty-four percent work within the City of Ashland and 22 percent commute to Medford. Three percent travel to Grants Pass for work. Table 3 reports the number and share of workers by place of work.

Job Located Within*	Workers	Share
Jackson County	6,448	78%
Ashland School District	3,854	47%
City of Ashland	3,630	44%
City of Medford	1,835	22%
City of Phoenix	125	2%
City of Central Point	120	1%
Josephine County	283	3%
City of Grants Pass	220	3%
Lane County	227	3%
Multnomah County	189	2%
Marion County	135	2%
All other locations	947	12%
Total Primary Jobs	8,229	100%

**Note: Indentation indicates that the area is also included within the area above it. For example, workers in the City of Ashland are also counted in the Ashland School District.*

Source: U.S. Census Bureau. 2016. OnTheMap Application. Longitudinal-Employer Household Dynamics Program. 2014 data. Includes at most one (primary) job per resident. <http://onthemap.ces.census.gov/>

Between 2002 and 2007, Jackson County added 9,500 jobs –nearly 13 percent growth over the five-year period. Between 2007 and 2011 the County had year-to-year job declines, losing a total 9,620 (over 11 percent) during the four-year period. Job growth began again after 2011, increasing each year through 2015 for a total gain of 7,080 jobs (about 9.5 per cent) during this four-year period. There were 81,750 jobs in Jackson County in 2015, 2,540 fewer than the 2007 peak of 84,290¹.

¹ Oregon Employment Department, OLMIS, Current Employment Estimates. In 2002 there were 74,790 jobs, 2007: 84,290 jobs, 2011: 74,670 jobs, and 2015: 81,750 jobs.

Jackson County's unemployment rate rose from 5.6 percent in 2007 - higher than the U.S. rate of 4.6 percent - to 12.8 percent in 2009 - higher than the 9.3 U.S. rate. The County's unemployment rate has steadily declined since 2009, reaching 5.9 percent in 2016. In 2016, the Oregon and U.S. unemployment rates both stood at 4.9 percent².

In December 2016 the Oregon Employment Department reported this concerning recent Jackson County economic conditions:

Workforce shortages have recently been the hot topic in the Rogue Valley. In theory, tightening labor market conditions may lead to higher wages as employers compete for talent. But in reality, the upward pressure may manifest differently depending on local conditions...Oregon's total payroll per job increased by an impressive 5.7 percent between the second quarters of 2015 and 2016. Local wages increased by 4.3 and 4.0 percent in Jackson and Josephine counties, respectively³.

Growth in total population does not always lead to school enrollment growth. Each community's particular demographic trends affect the relationship between population change and school enrollment trends. In particular, population by age group, birth trends, characteristics of new housing units and changing household composition affect the number of school-age children in a community.

Housing Growth and Characteristics

During the 2000 to 2010 period, the District added over 1,500 housing units, as shown in Table 4. The smaller increase of about 1,000 households (occupied housing units) was due to an increase in vacancy rates, from 6.8 percent in 2000 to 10.3 percent in 2010. The census counts units designated "for seasonal, recreational, or occasional use" as vacant. That category doubled since 2000 and now includes 3.8 percent of the District's housing stock. Vacant units designated "for sale or rent" in 2010 were just 4.0 percent of the District's housing units, an increase from 3.0 percent observed in 2000.

² Oregon Employment Department, OLMIS, Local Area Unemployment Statistics.

³ Oregon Employment Department, Jackson County Economic Indicators, December 2016.

The net decrease of 376 households with children under 18 during the 10-year period from 2000 to 2010 was a reversal from the previous decade, which had seen a 311 household increase. The share of households with children fell from 30 percent in 1990 to 27 percent in 2000, and to 21 percent in 2010. The average number of persons per household also decreased, from 2.27 in 1990 to 2.20 in 2000, and to 2.08 in 2010. Factors contributing to the decreases in household size and share of households with children include the rapid growth in the population age 45 and over and declining fertility rates.

Table 4
Ashland School District
Housing and Household Characteristics, 1990, 2000 and 2010

	1990	2000	2010	Change	
				'90 to '00	'00 to '10
Housing Units	8,726	10,919	12,473	2,193	1,554
Households	8,248	10,177	11,190	1,929	1,013
Households with children under 18 <i>share of total</i>	2,458 30%	2,769 27%	2,393 21%	311	-376
Households with no children under 18 <i>share of total</i>	5,790 70%	7,408 73%	8,797 79%	1,618	1,389
Household Population	18,685	22,382	23,243	3,697	861
Persons per Household	2.27	2.20	2.08	-0.07	-0.12

Source: U.S. Census Bureau, 1990, 2000 and 2010 Censuses; data aggregated to ASD boundary by Population Research Center, PSU.

Residential building permit activity between 1996-2015 within the City of Ashland is displayed in Chart 2. Single family housing development peaked in 1999 at 180 homes and then declined to 106 homes in 2002. SFR permits peaked again in 2005 at 148 and then dropped precipitously, declining to 21 in 2008. Between 2008 and 2015, SFR permits averaged 35 per year.

Multiple Family Unit permits peaked in 1996 at 108, hovered around 60 at the beginning of the 2000s, and averaged 28 per year between 2003 and 2007. From 2008 through 2015, annual MFU permits averaged less than five per year⁴.

⁴ Source: U.S. Census Bureau, Residential Construction Branch.

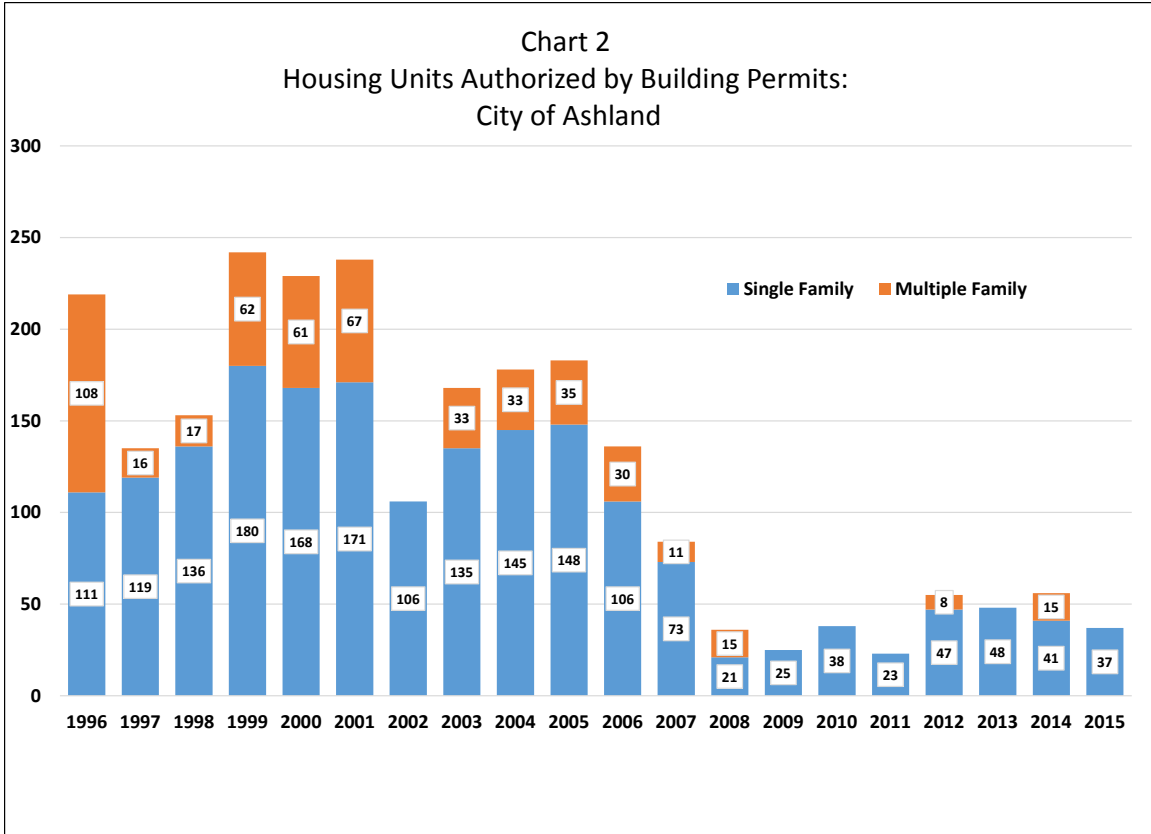


Table 5 details ASD Single Family Residences (SFRs) by elementary school attendance area, built between 2011 and 2016⁵. The Helman ESAA had the largest total number of new SFRs at 118, (58 percent). Walker was second with 61 (30 percent), followed by Bellview at 23 (11 percent).

⁵ Includes through Oct 2016 only.

Table 5
ASD New Single Family Residences by
Year Built and Elementary School Attendance area

Year	Bellview New SFR	Helman New SFR	Walker New SFR	Total New SFR By Year
2011	2	12	7	21
2012	5	21	7	33
2013	5	28	6	39
2014	3	27	20	50
2015	5	20	10	35
2016	3	10	11	24
Total new SFRs by ESAA	23	118	61	202

Source: City of Ashland, January 2011 to Oct 2016

The City of Ashland currently has one new subdivision, Verde Village, under construction. It is located in the Helman ESAA. Verde Village has 15 SFRs completed through 2016 and another 53 planned for completion in 2017, for a total of 68.

Table 6 contains Multiple Family Residences (MFRs) within ASD which are either planned or under construction. They range from eight units (Clear Creek Drive) to 33 units (Garfield). Two MFRs are in the Helman ESSA, totaling 41 units. The other four MFRs are in the Walker ESAA and total 70 units. Anticipated completion for all six projects is 2017.

Table 6
Ashland School District
Multiple Family Residences Planned or Under Construction

Multiple Family Residence	Anticipated Completion	Units Planned or Under Construction	ESAA
West Hersey	2017	11	Helman
Plaza Central, East, and North	2017	19	Walker
Clear Creek Drive	2017	8	Walker
North Mountain Square	2017	30	Helman
Garfield	2017	33	Walker
Falcon Heights	2017	10	Walker

Source: City of Ashland

ENROLLMENT TRENDS

For four of the first five years of the 10-year historical period ASD showed year-by-year district-wide losses, resulting in a decline of 189 students between 2006-07 and 2011-12. Between 2011-12 and 2016-17, the trend reversed: enrollment increased by 201 students during these years, returning the District in 2016-17 to a net increase of 12 students over the 2006-07 starting point.

For the 10-year period, change in enrollment varied among grade level groups. Kindergarten through fifth grade increased by 100 students (nine percent) while grades 6-8 and 9-12 decreased by 12 (two percent) and 47 (four percent) students respectively.

By individual grade over the 10-year period, the largest gains were in fourth grade (40 students) and Kindergarten (30 students). The largest losses were in 12th grade (52 students) and eighth grade (27 students).

Table 7 summarizes the enrollment history for the District by grade level annually for the past 10 years, from 2006-07 to 2016-17.

**Table 7
Ashland School District, Historic Enrollment, 2006-07 to 2016-17**

Grade	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
K	165	180	131	172	151	141	178	182	173	187	195
1	175	178	183	145	179	175	158	190	175	177	194
2	178	190	189	200	152	173	176	158	192	184	195
3	176	182	181	197	205	156	188	193	171	198	192
4	168	183	178	197	189	212	164	191	198	187	208
5	214	178	186	198	200	199	217	176	196	206	192
6	218	222	193	192	203	197	219	223	196	208	224
7	220	219	232	196	193	218	217	219	225	213	229
8	240	223	217	240	207	203	215	219	238	224	213
9	279	272	266	247	270	241	250	234	262	295	272
10	265	272	264	275	254	280	245	245	246	280	284
11	277	256	267	258	270	226	261	242	238	234	270
12	280	264	244	281	248	279	233	263	240	259	228
PTE*	54	27	36	21	16	20	38	30	32	31	25
Total	2,909	2,846	2,767	2,819	2,737	2,720	2,759	2,765	2,782	2,883	2,921
K-5	1,076	1,091	1,048	1,109	1,076	1,056	1,081	1,090	1,105	1,139	1,176
6-8	678	664	642	628	603	618	651	661	659	645	666
9-12	1,101	1,064	1,041	1,061	1,042	1,026	989	984	986	1,068	1,054

	5 Year Change: 2006-07 to 2011-12		5 Year Change: 2011-12 to 2016-17		10 Year Change: 2006-07 to 2016-17	
	Change	Pct.	Change	Pct.	Change	Pct.
K-5	-20	-2%	120	11%	100	9%
6-8	-60	-9%	48	8%	-12	-2%
9-12	-75	-7%	28	3%	-47	-4%
Total	-189	-6%	201	7%	12	0%

*Note: Willow Wind part-time equivalency. Willow Wind full-time equivalency is included in grade level figures.

Source: Ashland School District.

Enrollment at Individual Schools

During the historical period 2011-12 through 2016-17, Elementary school grades gained 120 students (11 percent)⁶. Walker Elementary accounted for most of the increase with a gain of 62 students (52 percent). Helman added 24 students (20 percent) and Bellview registered a one student loss.

Middle school totals increased during this period by 48 students (eight percent). Ashland Middle School accounted for most of the gain at 81 percent. Grade 6-8 students at John Muir and Willow Wind provided the remaining 19 percent increase (9 students).

Ashland High School added 30 students (three percent) over the period. AHS enrollment in 2016-17 was 1,054 students, 36 percent of the overall District total for that year.

Individual school enrollment trends appear in Table 8.

⁶ Includes K-5th grade students at John Muir School, full-time students at Willow Wind, and 5th grade students at Ashland Middle School

Table 8
Ashland S.D., Historic Enrollment by School, 2011-12 to 2016-17

School	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	Change 2011-12 to 2016-17
Bellview	312	319	305	303	298	311	-1
Helman	291	310	297	311	310	315	24
Walker	273	272	297	297	310	335	62
Elementary Totals¹	1,056	1,081	1,090	1,105	1,139	1,176	120
John Muir School (K-8)	104	95	101	102	126	125	21
Willow Wind (K-8 FT)	154	165	172	174	172	178	24
Willow Wind (PT) ²	20	38	30	32	31	25	5
Ashland Middle School	539	570	579	576	567	578	39
Middle School Totals³	618	651	661	659	645	666	48
Ashland High School	1,024	989	984	986	1,068	1,054	30
District Totals	2,720	2,759	2,765	2,782	2,883	2,921	201

1. Includes K-5th grade students at John Muir School, full-time students at Willow Wind, and 5th grade students at Ashland Middle School

2. Part-time students at Willow Wind, included in District totals.

3. Includes 6th-8th grade students at John Muir School and full-time students at Willow Wind.

Source: Ashland School District.

Private and Home School Enrollment and District “Capture Rate”

Private schools within the ASD enroll local students as well as students from beyond the ASD boundaries; conversely ASD residents attend private schools beyond the District’s boundaries, so the number of students enrolled in private schools physically located within the District cannot be used to measure overall private school share. Estimates of private school enrollment for ASD residents come from the Census Bureau — the 2000 Census “long form” and the more recent American Community Survey (ACS). In the 2000 Census, about eight percent of K-12 students living in the District were enrolled in private schools. The ACS estimate based on responses gathered between 2011 and 2015 indicated a similar seven percent share.⁷

Another difference between ASD enrollment and child population can be attributed to home schooling. Home schooled students living in the District are required to register with the Southern Oregon Educational Service District (SOESD), though the statistics kept by the SOESD are not precise because students who move out of the area are not required to drop their registration. Students who enroll in public schools after having been registered as home schooled are dropped from the home school registry. Each year from 2011-12 to 2015-16 there were between 119 and 155 ASD residents registered as home schooled, averaging 137 per year, or about five percent of school-age residents.⁸

Private schools and home schooling help to explain the difference between the number of school-age children living in the District and the number attending District schools. Both represent “outflow” from the District — that is, children eligible but not attending District schools. The other “outflow” consists of District residents who attend public schools in other school districts. There is also a related “inflow” of residents from other districts.

Under Oregon’s inter-district transfer rules that were in place prior to 2012-13, students who wanted to attend a public school outside of their resident district had to gain approval from their home district and the district that they want to attend, and that approval must be renewed each year. The ASD consistently had a net gain of students under the inter-district transfers,

⁷ Based on the U.S. Census Bureau 2011-2015 American Community Survey, Table B14002. Private school share for grades K-12 was 6.7 percent, with a margin of error (MOE) at the 90 percent confidence level of +/-3.0 percent.

⁸ Southern Oregon Education Service District, *November 2016*.

including a net inflow of 79 K-12 students in 2011-12. Beginning in the 2012-13 school year Oregon adopted a new open enrollment policy under which students may transfer without approval of their home district to a district that designates available spaces at its schools. Because the ASD has designated space for open enrollment each year, the number of non-ASD resident students has grown, reaching 329 in 2016-17. In years for which data is available, fewer than 20 ASD residents enrolled in other districts. Therefore, the net inflow is likely over 300 students. The increase in non-residents between 2011-12 and 2016-17 likely exceeds the District's net growth over the five year period, accounting for all of the 201 student increase and more.

For purposes of forecasting enrollment, the ratios of kindergarten and first grade public school enrollment to overall population in the corresponding ages are very important. These ratios are called "capture rates." Once a student is enrolled in the public schools in first grade, it is very likely that they will continue to be enrolled in subsequent grades, unless their family moves out of the District. Comparing ASD kindergarten and first grade enrollments to the 2000 and 2010 Censuses revealed little or no change in the District's "capture rates." However, kindergarten capture rates have recently increased due to the attraction of full day kindergarten. We estimate that about 87 percent of ASD kindergarten-age residents will enroll in ASD kindergartens throughout the forecast horizon.

ENROLLMENT FORECASTS

District-wide Long-series Forecast Methodology

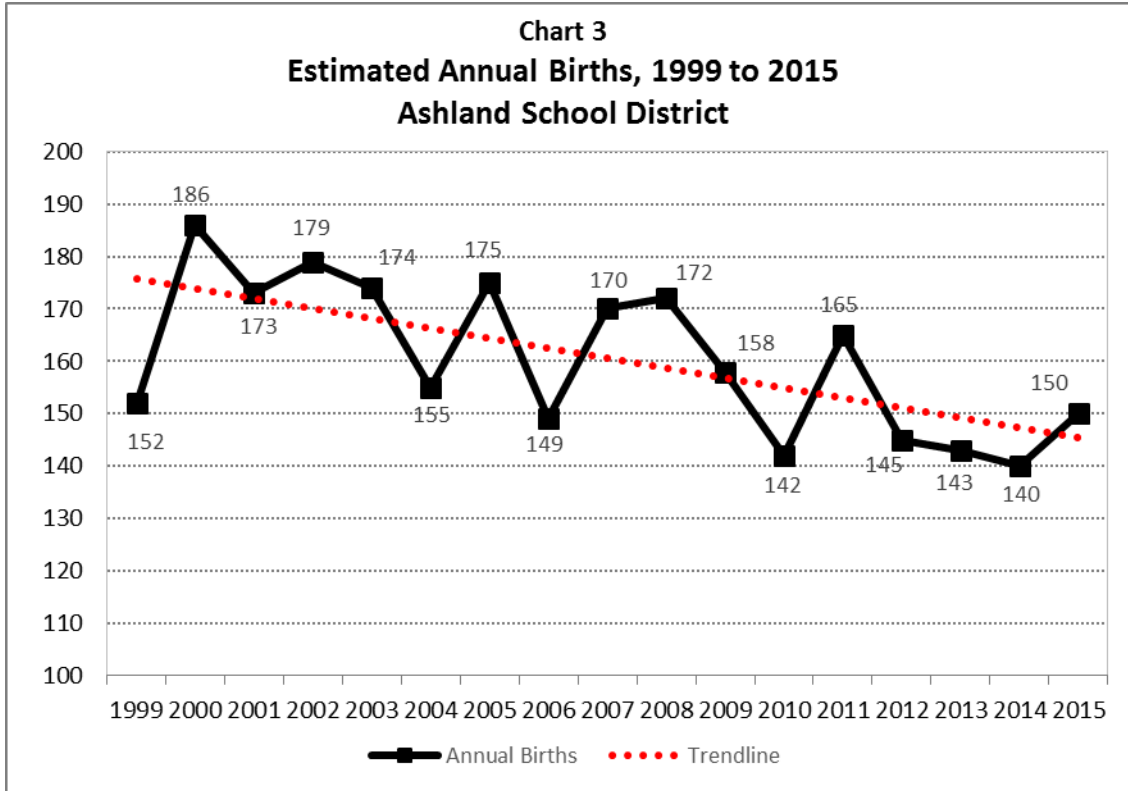
To ensure that enrollment forecasts are consistent with the dynamics of likely population growth within the District, we combine the grade progression enrollment model with a demographic cohort-component model used to forecast population for the District by age and sex. The components of population change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

The 2000 and 2010 Census results were used as a baseline for the population forecasts. By “surviving” the 2000 population and 2000s births (estimating the population in each age group that would survive to the year 2010) and comparing the “survived” population to the actual 2010 population by age group, we were able to estimate the overall level of net migration between 2000 and 2010 as well as net migration by gender and age cohort. The net migration data were 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 2015, 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 age-specific fertility rates (ASFRs) for both 2000 and 2010.

Births and Fertility Rates

During 1999 to 2015, ASD births zigzagged throughout the period, with a declining trendline. The District's highest peak for births was in 2000 and its lowest point in 2014. During this time, births averaged 160 annually. For the most recent five years, ASD births dropped from 165 in 2011 to 140 in 2014, before increasing to 150 in 2015. The overall 2011 to 2015 decline was nine percent. Oregon births, by comparison, increased by one percent during the same period⁹.



The total fertility rate (TFR) is one measure for fertility; it is an estimate of the number of children that would be born to the average woman during her child-bearing years based on age-specific fertility rates observed at a given time. The estimated TFR for ASD increased from 1.13 in 2000 to 1.16 in 2010. Comparatively, the TFRs in 2000 were 1.87 for Jackson County and 1.98 for the State, while in 2010 the estimated TFRs were 1.96 for Jackson County and 1.79 for the State.

⁹ 1999-2015 birth data from Oregon Center for Health Statistics allocated to ASD boundary by PSU-PRC.

State and national long-term trends indicate declining fertility rates for women under 30, but fertility rates in the 2009 to 2010 period were unusually low, likely due to the poor economy. Due to Ashland's large college student population, rates for women age 18 to 29 are much lower than statewide rates. We increased the 2010 rates slightly in the forecast for all age groups 30 and over, and lowered the rates for women under 30. These adjustments are based on national trends and observed births to ASD residents through 2015. The District's TFR is expected to move from 1.16 in 2010 to 1.18 in 2020.

Residential Capacity and Development

Information about residential capacity and current residential developments contribute to the district-wide population and enrollment forecasts and the individual school forecasts. The Greater Bear Creek Valley Regional Plan adopted by the Jackson County Board of Commissioners in November 2011 acknowledged constraints to growth in Ashland including its "independent water supply ... some sanitary sewer constraint issues, very steep topography to the west and south, I-5 to the east and limited political support for significant urban growth."¹⁰ Very little of the region's projected population growth was allocated to Ashland, and it was determined that with more efficient use the lands already within Ashland's city limits and urban growth boundary were sufficient to accommodate the anticipated growth for Ashland.

The 2010 Census identified 10,735 housing units within the Ashland UGB. In 2011, the city prepared a buildable lands inventory that found a potential for 2,853 new units within the UGB.¹¹ The 2012 housing needs analysis found that this capacity would accommodate more than 20 years of development, based on a population growth rate of approximately 0.75 percent per year.¹² In 2015, PRC population forecasts for the Ashland UGB predicted an even lower growth rate averaging about 0.5 percent annually between 2015 and 2035.¹³

¹⁰ *Greater Bear Creek Valley Regional Plan*. Chapter 2, Regional Growth Planning. Jackson County, 2011.

¹¹ City of Ashland Buildable Lands Inventory 2011. http://www.ashland.or.us/Files/2011_BLI_approved.pdf.

¹² City of Ashland Housing Needs Analysis. http://www.ashland.or.us/SIB/files/Adopted_2012-2040_HNA.pdf.

¹³ *Coordinated Population Forecast, 2015 through 2065, Jackson County Urban Growth Boundaries (UGB) and Area Outside UGBs*. June 2015. https://www.pdx.edu/prc/sites/www.pdx.edu/prc/files/Jackson_Forecast_Report_201506.pdf.

A neighborhood master plan for 94 acres outside of the city limits but within the UGB was approved by City Council on December 15, 2015 following three years of public workshops, neighborhood meetings, public meetings of the Transportation Commission, Planning Commission, and Normal Neighborhood Working Group. The Normal Neighborhood Plan area would accommodate 450 to 550 residential units over a period of 20 or more years.

School Enrollment and Population

School enrollment is linked to population in two ways. First, the kindergarten and first grade enrollments at the time of the most recent census (the 2009-10 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 enrolled in ASD schools (see page 22 for rates). Assumptions for capture rates based on census data are used to bring new kindergarten and first grade students into the District.

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 rates are used to move students from one grade to the next. A grade progression rate (GPR) is the ratio of enrollment in an individual grade to enrollment in the previous grade the previous year. Baseline 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 year of age.

Population Forecast

Chart 4 displays the 2000 to 2010 estimates and 2010 to 2030 forecasts of ASD population growth attributable to net migration. The 2010 to 2020 decade shows a population increase attributable to net migration of 700 more persons than the previous decade (2000 to 2010). For the 2020 to 2030 decade, net migration continues to grow, reaching 2,700 persons.

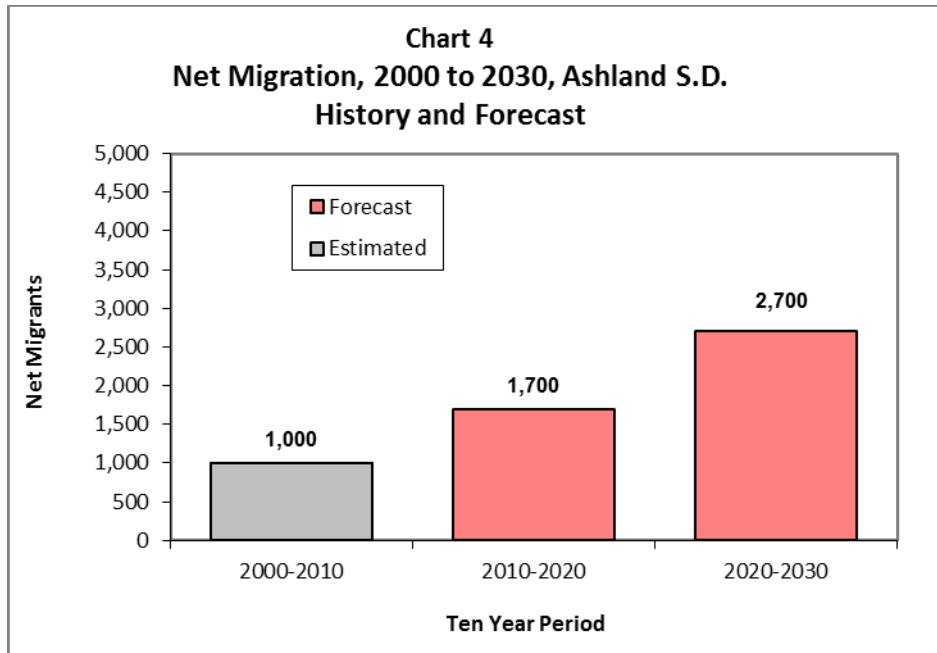


Table 9 details history and forecasts for Ashland School District population by age groups. The 2010 population for the ASD was 24,218, an increase of 622 persons from the 2000 Census (0.3 percent average annual growth rate, or AAGR). The forecast for 2020 population in the ASD is 24,951, an increase of 733 persons from the 2010 Census (0.3 percent AAGR). The 2030 population forecast is 25,987, an additional increase of 1,035 persons (0.4 percent AAGR).

School-age population (5 to 17) decreased by 558 persons between 2000 and 2010, and its share of population declined from 15.3 to 12.6 percent. Between 2010 and 2020 school age population is expected to decrease by another 174 persons, with school-age share dropping to 11.6 percent. This downward trend slows between 2020 and 2030 with a decrease of 24 school-aged persons, producing a lower share of 11.0 percent.

Table 9
Population by Age Group, History and Forecasts,
Ashland School District, 2000 to 2030

	2000	2010	2020	2030	2010 to 2030 Change	
	Census	Census	Forecast	Forecast	Number	Percent
Under Age 5	974	860	843	865	5	1%
Age 5 to 9	1,141	1,050	1,002	1,016	-34	-3%
Age 10 to 14	1,472	1,172	1,147	1,135	-37	-3%
Age 15 to 17	1,002	835	734	708	-127	-15%
Age 18 to 19	1,180	1,043	1,216	1,453	410	39%
Age 20 to 24	2,492	2,322	2,054	2,153	-169	-7%
Age 25 to 29	1,387	1,416	1,147	1,386	-30	-2%
Age 30 to 34	1,104	1,132	1,136	1,035	-97	-9%
Age 35 to 39	1,175	1,111	1,161	1,017	-94	-8%
Age 40 to 44	1,770	1,202	1,238	1,294	92	8%
Age 45 to 49	2,164	1,437	1,396	1,491	54	4%
Age 50 to 54	2,035	1,832	1,301	1,361	-471	-26%
Age 55 to 59	1,345	2,326	1,616	1,608	-718	-31%
Age 60 to 64	887	2,174	1,957	1,473	-701	-32%
Age 65 to 69	806	1,440	2,352	1,717	277	19%
Age 70 to 74	816	931	2,085	1,901	970	104%
Age 75 to 79	761	691	1,228	1,949	1,258	182%
Age 80 to 84	541	568	649	1,465	897	158%
Age 85 and over	544	676	689	960	284	42%
Total Population	23,596	24,218	24,951	25,987	1,769	7%
Total age 5 to 17	3,615	3,057	2,883	2,859	-198	-6%
<i>share age 5 to 17</i>	<i>15.3%</i>	<i>12.6%</i>	<i>11.6%</i>	<i>11.0%</i>		

	2000-2010	2010-2020	2020-2030
Population Change	622	733	1,035
<i>Percent</i>	<i>3%</i>	<i>3%</i>	<i>4%</i>
<i>Average Annual</i>	<i>0.3%</i>	<i>0.3%</i>	<i>0.4%</i>

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

District-wide Enrollment Forecast

Chart 5 compares the historic and forecast number of births in the District with the historic and forecast number of ASD kindergarten students. The trend in births correspond to kindergarten cohorts (September to August) in general; however, external factors, such as migration of children into and out of the District between birth and age five and private school enrollment, can alter the correlations between lagged births and kindergarten enrollment.

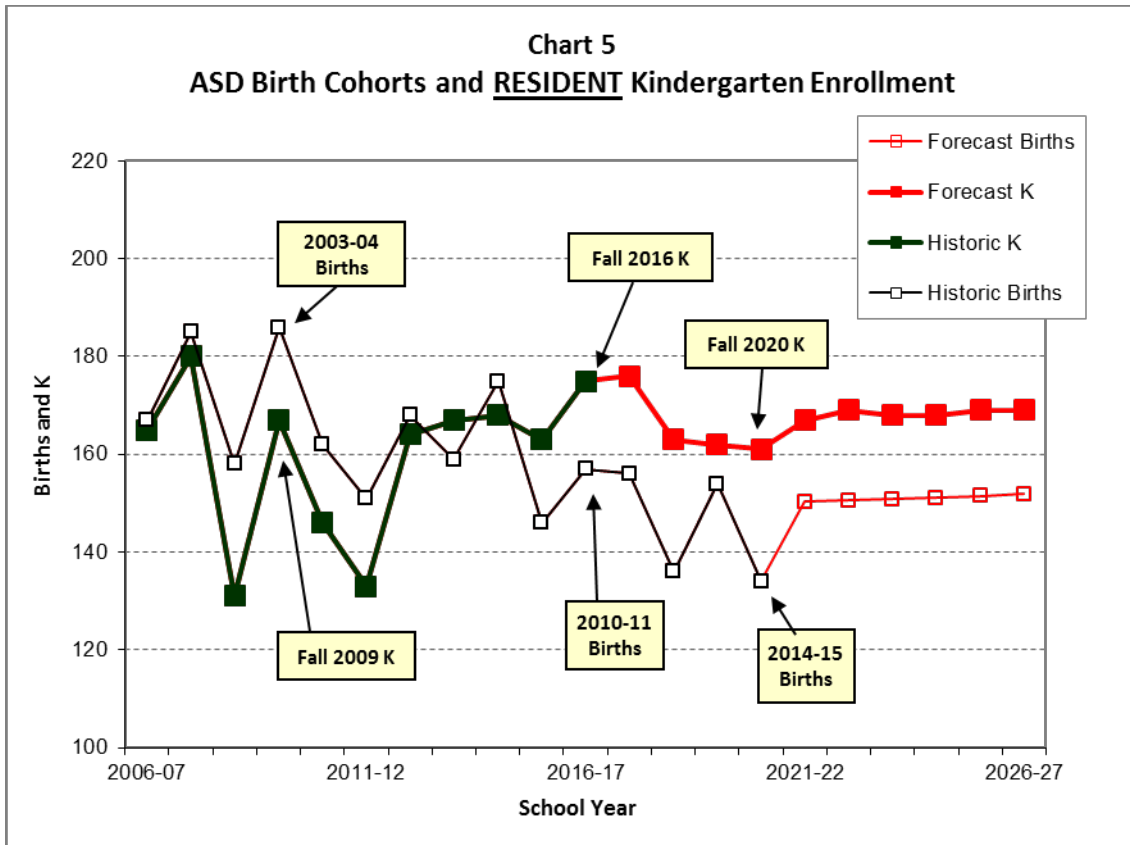


Table 10 and Table 11 contain Enrollment Forecasts based upon two different sets of assumptions. Table 10 (HIGH SERIES) assumes the ASD’s open enrollment policy continues similar to recent years. It is assumed that open enrollment results in:

- 20 kindergarten students each year;
- +17 student net change at other elementary grades;
- +11 student net change between 5th and 6th grade;
- +14 student net change between 8th and 9th grade;
- -1 student net change at other high school grades.

Table 11 (LOW SERIES) assumes no new open enrollment for the District after 2016-17, and that non-resident enrollment gradually reverts to levels observed before 2012-13.

In the HIGH SERIES, District enrollment increases over each of the ten years of the forecast period. During the first five forecast years (2017-18 to 2021-22), total district enrollment increases by 175 students (6 percent). Grades K-5 show the largest increase at 80 students (seven percent), Grades 9-12 grow by 69 students (seven percent), and middle school grades go up by 26 (four percent).

During the second five forecast years (2021-22 to 2026-27), total District enrollment increases by 115 students (four percent). Grades 9-12 show the largest increase, 66 students (six percent), and middle school grades grow by 46 students (seven percent). Grades K-5 stay roughly the same during this period.

Over the entire 10-year forecast period District enrollment grows by 290 students (10 percent), reaching 3,211 in 2026-27. Grades 9-12 have the largest percentage growth at 13 percent, followed by grades 6-8 at 11 percent, and K-5 at seven percent.

In the LOW SERIES (Table 11), total District enrollment for the 10 year forecast period declines by 202 students (seven percent), ending in 2026-27 at 2,719. All grade groupings decline: Grades K-5 by -58 students (five percent), Grades 6-8 by -66 (10 percent), and the high school grades by -78 (seven percent).

During the first five years of the forecast (2017-18 to 2021-22) total District enrollment goes down by 226 students (eight percent). Grades 6-8 show the largest decrease, 99 students (15 percent). Grades K-5 and 9-12 register five and six percent declines respectively. This District decline is slightly offset by a 24 student increase during the second five years of the forecast (2021-22 to 2026-27), driven by a 33 student gain in grades 6-8. The total 10-year District change is a decrease of 202 students (7 percent).

Table 10

Ashland School District HIGH SERIES¹ Enrollment Forecasts, 2017-18 to 2026-27

Grade	Actual	Forecast									
	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
K	195	196	183	182	181	187	189	188	188	189	189
1	194	207	208	195	194	193	199	201	200	200	200
2	195	199	212	213	200	199	198	204	206	205	205
3	192	190	205	219	220	206	205	204	210	212	211
4	208	188	202	217	232	233	218	217	216	223	225
5	192	228	193	208	223	238	239	224	223	222	229
6	224	210	243	207	223	238	253	254	239	238	237
7	229	237	219	252	216	232	247	262	263	248	247
8	213	234	243	225	258	222	238	253	268	269	254
9	272	230	278	287	266	302	260	278	294	312	313
10	284	260	225	274	283	262	298	255	274	290	308
11	270	275	257	223	271	280	260	295	253	272	288
12	228	261	283	265	230	279	288	268	303	260	280
PT ²	25	25	25	25	25	25	25	25	25	25	25
Total	2,921	2,940	2,976	2,992	3,022	3,096	3,117	3,128	3,162	3,165	3,211
K-5	1,176	1,208	1,203	1,234	1,250	1,256	1,248	1,238	1,243	1,251	1,259
6-8	666	681	705	684	697	692	738	769	770	755	738
9-12	1,054	1,026	1,043	1,049	1,050	1,123	1,106	1,096	1,124	1,134	1,189

	5 Year Change: 2017-18 to 2021-22		5 Year Change: 2021-22 to 2026-27		10 Year Change: 2017-18 to 2026-27	
	Change	Pct.	Change	Pct.	Change	Pct.
K-5	80	7%	3	0%	83	7%
6-8	26	4%	46	7%	72	11%
9-12	69	7%	66	6%	135	13%
Total	175	6%	115	4%	290	10%

1. Open Enrollment policy continues similar to recent years.

2. Part-time Willow Wind students.

Table 11

Ashland School District LOW SERIES¹ Enrollment Forecasts, 2017-18 to 2026-27

Grade	Actual	Forecast									
	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27
K	195	181	168	167	166	172	174	173	173	174	174
1	194	198	187	174	173	172	178	180	179	179	179
2	195	196	200	192	179	178	177	183	185	184	184
3	192	186	198	203	198	184	183	182	188	190	189
4	208	177	187	199	205	203	188	187	186	193	195
5	192	223	177	188	200	206	207	192	191	190	197
6	224	195	223	176	188	200	211	212	197	196	195
7	229	228	195	223	176	188	200	215	216	201	200
8	213	228	228	195	223	179	191	200	219	220	205
9	272	210	252	252	225	248	206	220	230	252	253
10	284	262	207	256	256	233	256	213	228	238	260
11	270	266	250	202	250	250	228	250	208	223	233
12	228	251	264	257	208	257	257	235	257	214	230
PT ²	25	25	25	25	25	25	25	25	25	25	25
Total	2,921	2,826	2,761	2,709	2,672	2,695	2,681	2,667	2,682	2,679	2,719
K-5	1,176	1,161	1,117	1,123	1,121	1,115	1,107	1,097	1,102	1,110	1,118
6-8	666	651	646	594	587	567	602	627	632	617	600
9-12	1,054	989	973	967	939	988	947	918	923	927	976

	5 Year Change: 2017-18 to 2021-22		5 Year Change: 2021-22 to 2026-27		10 Year Change: 2017-18 to 2026-27	
	Change	Pct.	Change	Pct.	Change	Pct.
K-5	-61	-5%	3	0%	-58	-5%
6-8	-99	-15%	33	6%	-66	-10%
9-12	-66	-6%	-12	-1%	-78	-7%
Total	-226	-8%	24	1%	-202	-7%

1. No new open enrollment after 2016-17; ASD non-resident enrollment reverts to levels observed before 2012-13.

2. Part-time Willow Wind students.

Population Research Center, Portland State University, December 2016.

Individual School Forecasts

Forecasts for individual schools are consistent with the HIGH SERIES district-wide growth forecast, under a scenario in which current boundaries and grade configurations remain constant. Of course, school districts typically respond to enrollment change in various ways that might alter the status quo, such as attendance area boundary changes, opening new schools, closing schools, and policy or program changes. If new charter or private schools open, enrollment at District-run schools may be affected. However, the individual school forecasts depict what future enrollments might be under current conditions.

The methodology for the individual school forecasts relies on unique sets of GPRs for each school. New kindergarten classes were forecast each year based on recent trends and birth cohorts within elementary attendance areas. Subsequent grades were forecast using GPRs based initially on recent rates and adjusted based on expected levels of housing growth. The final forecasts for individual schools are controlled to match the district-wide forecasts. Table 12 presents the enrollment forecasts for each school, grouped by school level (elementary, middle, and high).

Elementary schools as a group grow by 83 students (seven percent) over the 10 year forecast period (2016-17 to 2026-27). Helman has the largest increase at 94 students (30 percent) and Walker increases by 58 students (17 percent). Bellview declines by 59 students (19 percent) offsetting nearly 40 percent of the gains at Helman and Walker.

Ashland Middle School gains 63 students (11 percent) during the forecast period, ending in 2026-27 with an enrollment of 641. John Muir and Willow Wind remain stable through the forecast period.

Ashland High School enrollment increases by 135 students (13 percent) during the forecast period.

Table 12

Enrollment Forecasts for Individual Schools, 2017-18 to 2026-27¹

School	Actual	Forecast										Change
	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2016-17- 2026-27
Bellview	311	299	289	280	273	268	262	257	255	253	252	-59
Helman	315	338	326	347	367	384	387	388	394	402	409	94
Walker	335	368	382	400	404	399	394	388	389	391	393	58
Elementary Totals²	1,176	1,208	1,203	1,234	1,250	1,256	1,248	1,238	1,243	1,251	1,259	83
John Muir School (K-8)	125	127	131	128	118	122	125	125	125	125	125	0
Willow Wind (K-8 FT)	178	184	184	183	181	180	179	178	177	177	177	-1
Willow Wind (PT) ³	25	25	25	25	25	25	25	25	25	25	25	0
Ashland Middle School	578	573	596	580	604	595	639	671	673	658	641	63
Middle School Totals⁴	666	681	705	684	697	692	738	769	770	755	738	72
Ashland High School	1,054	1,026	1,043	1,049	1,050	1,123	1,106	1,096	1,124	1,134	1,189	135
District Totals³	2,921	2,940	2,976	2,992	3,022	3,096	3,117	3,128	3,162	3,165	3,211	290

1. BASELINE forecast does not include additional students admitted under new open enrollment policy.

2. Includes K-5th grade students at John Muir School and Willow Wind (full-time).

3. Part-time students at Willow Wind, included in District totals.

4. Includes 6th-8th grade students at John Muir School and Willow Wind (full-time).

Population Research Center, Portland State University, December, 2016

FORECAST ACCURACY

In general, forecast error varies according to the size of the population being forecast and the length of the forecast horizon. The smaller the population and the longer the forecast period, the larger the error is likely to be. In particular, school level forecasts depend on assumptions about the distribution of housing and population growth in small areas within the District over a ten year period, so they should be used as only one of many tools in the planning process. The grade level forecasts are also subject to larger error than the total K-12 enrollments.

The best way to measure potential forecast error is to compare actual enrollments with previous forecasts conducted using similar data and methodologies. In Table 13, actual ASD enrollment by grade level in fall 2016 is compared with 2016-17 forecasts that were prepared in November 2008 and March 2012. As a measure of average error for grade levels and for individual school enrollments, the mean absolute percent error (MAPE) is included in the tables.

The previous forecasts incorporated historic enrollment data series that ended five and eight years before the 2016-17 school year. Neither forecast included an increase in enrollment of non-ASD residents. The report completed during the 2011-12 school year mentioned that the District had decided to participate in the new open enrollment policy that was to begin in 2012-13, but explicitly stated that the impact was unknown, and was not included in the forecasts. We now know that the number of ASD students residing outside of the District and enrolled through transfers increased from 93 in 2011-12 to 329 in 2016-17. In both years very few ASD residents were enrolled in other districts. Therefore, nearly three quarters of the K-12 total shortfall of 320 students shown in Table 13 was due to the increase in non-residents.

Table 13
Fall 2016 Enrollment Compared to Previous Forecasts
By Grade Level

Grade	2016-17	Five year forecast ¹			Eight year forecast ²		
	Actual	Fcst.	Diff.	Error	Fcst.	Diff.	Error
K	195	131	-64	-32.8%	166	-29	-14.9%
1	194	142	-52	-26.8%	179	-15	-7.7%
2	195	152	-43	-22.1%	186	-9	-4.6%
3	192	184	-8	-4.2%	185	-7	-3.6%
4	208	185	-23	-11.1%	179	-29	-13.9%
5	192	178	-14	-7.3%	180	-12	-6.3%
6	224	205	-19	-8.5%	187	-37	-16.5%
7	229	198	-31	-13.5%	202	-27	-11.8%
8	213	178	-35	-16.4%	167	-46	-21.6%
9	272	270	-2	-0.7%	244	-28	-10.3%
10	284	252	-32	-11.3%	249	-35	-12.3%
11	270	239	-31	-11.5%	226	-44	-16.3%
12	228	262	34	14.9%	211	-17	-7.5%
Total³	2,896	2,576	-320	-11.0%	2,561	-335	-11.6%
MAPE⁴				13.9%			11.3%

1. Forecast for 2016-17 by Population Research Center, March 2012, based on historic enrollment through 2011-12.
2. Forecast for 2016-17 by Population Research Center, November 2008, based on historic enrollment through 2005-06.
3. Ashland S.D. total, excluding Willow Wind for comparability with November 2008 forecast.
4. Mean absolute percent error for individual grades K-12.

APPENDIX A

2000 AND 2010 CENSUS PROFILE FOR THE ASHLAND SCHOOL DISTRICT

2000 and 2010 Census Profile

Ashland School District

Approximation based on census blocks

POPULATION	2000		2010		Change	
SEX AND AGE						
Total population	23,596	100.0%	24,218	100.0%	622	2.6%
Under 5 years	974	4.1%	860	3.6%	-114	-11.7%
5 to 9 years	1,141	4.8%	1,050	4.3%	-91	-8.0%
10 to 14 years	1,472	6.2%	1,172	4.8%	-300	-20.4%
15 to 19 years	2,182	9.2%	1,878	7.8%	-304	-13.9%
20 to 24 years	2,492	10.6%	2,322	9.6%	-170	-6.8%
25 to 29 years	1,387	5.9%	1,416	5.8%	29	2.1%
30 to 34 years	1,104	4.7%	1,132	4.7%	28	2.5%
35 to 39 years	1,175	5.0%	1,111	4.6%	-64	-5.4%
40 to 44 years	1,770	7.5%	1,202	5.0%	-568	-32.1%
45 to 49 years	2,164	9.2%	1,437	5.9%	-727	-33.6%
50 to 54 years	2,035	8.6%	1,832	7.6%	-203	-10.0%
55 to 59 years	1,345	5.7%	2,326	9.6%	981	72.9%
60 to 64 years	887	3.8%	2,174	9.0%	1,287	145.1%
65 to 69 years	806	3.4%	1,440	5.9%	634	78.7%
70 to 74 years	816	3.5%	931	3.8%	115	14.1%
75 to 79 years	761	3.2%	691	2.9%	-70	-9.2%
80 to 84 years	541	2.3%	568	2.3%	27	5.0%
85 years and over	544	2.3%	676	2.8%	132	24.3%
Median age (years)	39.5		44.9		5.4	
Under 18 years	4,589	19.4%	3,917	16.2%	-672	-14.6%
18 to 64 years	15,539	65.9%	15,995	66.0%	456	2.9%
65 years and over	3,468	14.7%	4,306	17.8%	838	24.2%
Male population						
Male population	11,058	100.0%	11,332	100.0%	274	2.5%
Under 5 years	466	4.2%	428	3.8%	-38	-8.2%
5 to 9 years	587	5.3%	499	4.4%	-88	-15.0%
10 to 14 years	736	6.7%	584	5.2%	-152	-20.7%
15 to 19 years	1,059	9.6%	852	7.5%	-207	-19.5%
20 to 24 years	1,193	10.8%	1,155	10.2%	-38	-3.2%
25 to 29 years	708	6.4%	752	6.6%	44	6.2%
30 to 34 years	534	4.8%	536	4.7%	2	0.4%
35 to 39 years	524	4.7%	546	4.8%	22	4.2%
40 to 44 years	775	7.0%	569	5.0%	-206	-26.6%
45 to 49 years	963	8.7%	629	5.6%	-334	-34.7%
50 to 54 years	966	8.7%	771	6.8%	-195	-20.2%
55 to 59 years	659	6.0%	1,046	9.2%	387	58.7%
60 to 64 years	409	3.7%	1,032	9.1%	623	152.3%
65 to 69 years	395	3.6%	700	6.2%	305	77.2%
70 to 74 years	377	3.4%	426	3.8%	49	13.0%
75 to 79 years	331	3.0%	329	2.9%	-2	-0.6%
80 to 84 years	199	1.8%	233	2.1%	34	17.1%
85 years and over	177	1.6%	245	2.2%	68	38.4%

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

Tabulated by Population Research Center, Portland State University.

www.pdx.edu/prc

2000 and 2010 Census Profile

Ashland School District

Approximation based on census blocks

POPULATION (continued)	2000		2010		Change	
Male population (continued)						
Median age (years)	37.4		42.8		5.4	
Under 18 years	2,299	20.8%	1,911	16.9%	-388	-16.9%
18 to 64 years	7,280	65.8%	7,488	66.1%	208	2.9%
65 years and over	1,479	13.4%	1,933	17.1%	454	30.7%
Female population	12,538	100.0%	12,886	100.0%	348	2.8%
Under 5 years	508	4.1%	432	3.4%	-76	-15.0%
5 to 9 years	554	4.4%	551	4.3%	-3	-0.5%
10 to 14 years	736	5.9%	588	4.6%	-148	-20.1%
15 to 19 years	1,123	9.0%	1,026	8.0%	-97	-8.6%
20 to 24 years	1,299	10.4%	1,167	9.1%	-132	-10.2%
25 to 29 years	679	5.4%	664	5.2%	-15	-2.2%
30 to 34 years	570	4.5%	596	4.6%	26	4.6%
35 to 39 years	651	5.2%	565	4.4%	-86	-13.2%
40 to 44 years	995	7.9%	633	4.9%	-362	-36.4%
45 to 49 years	1,201	9.6%	808	6.3%	-393	-32.7%
50 to 54 years	1,069	8.5%	1,061	8.2%	-8	-0.7%
55 to 59 years	686	5.5%	1,280	9.9%	594	86.6%
60 to 64 years	478	3.8%	1,142	8.9%	664	138.9%
65 to 69 years	411	3.3%	740	5.7%	329	80.0%
70 to 74 years	439	3.5%	505	3.9%	66	15.0%
75 to 79 years	430	3.4%	362	2.8%	-68	-15.8%
80 to 84 years	342	2.7%	335	2.6%	-7	-2.0%
85 years and over	367	2.9%	431	3.3%	64	17.4%
Median age (years)	40.8		46.4		5.6	
Under 18 years	2,290	18.3%	2,006	15.6%	-284	-12.4%
18 to 64 years	8,259	65.9%	8,507	66.0%	248	3.0%
65 years and over	1,989	15.9%	2,373	18.4%	384	19.3%

AREA AND DENSITY

Land Area - Acres ¹	234,750	231,412		
Persons per acre	0.1	0.1	0.0	4.1%
Persons per square mile	64	67	3	4.1%

RACE

Total population	23,596	100.0%	24,218	100.0%	622	2.6%
White alone	21,706	92.0%	21,975	90.7%	269	1.2%
Black or African American alone	132	0.6%	244	1.0%	112	84.8%
American Indian and Alaska Native alone	238	1.0%	221	0.9%	-17	-7.1%
Asian alone	394	1.7%	462	1.9%	68	17.3%
Native Hawaiian and Other Pacific Islander alone	32	0.1%	63	0.3%	31	96.9%
Some Other Race alone	377	1.6%	335	1.4%	-42	-11.1%
Two or More Races	717	3.0%	918	3.8%	201	28.0%

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

Tabulated by Population Research Center, Portland State University.

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2000 and 2010 Census Profile

Ashland School District

Approximation based on census blocks

POPULATION (continued)	2000		2010		Change	
RACE (continued)						
Race alone or in combination with one or more other races ²						
White	22,370	94.8%	22,832	94.3%	462	2.1%
Black or African American	252	1.1%	421	1.7%	169	67.1%
American Indian and Alaska Native	526	2.2%	642	2.7%	116	22.1%
Asian	589	2.5%	763	3.2%	174	29.5%
Native Hawaiian and Other Pacific Islander	91	0.4%	154	0.6%	63	69.2%
Some Other Race	562	2.4%	432	1.8%	-130	-23.1%
HISPANIC OR LATINO AND RACE						
Total population	23,596	100.0%	24,218	100.0%	622	2.6%
Hispanic or Latino	803	3.4%	1,200	5.0%	397	49.4%
Not Hispanic or Latino	22,793	96.6%	23,018	95.0%	225	1.0%
White alone	21,339	90.4%	21,294	87.9%	-45	-0.2%
Black or African American alone	124	0.5%	230	0.9%	106	85.5%
American Indian and Alaska Native alone	227	1.0%	184	0.8%	-43	-18.9%
Asian alone	388	1.6%	452	1.9%	64	16.5%
Native Hawaiian and Other Pacific Islander alone	28	0.1%	60	0.2%	32	114.3%
Some Other Race alone	79	0.3%	42	0.2%	-37	-46.8%
Two or More Races	608	2.6%	756	3.1%	148	24.3%
RELATIONSHIP						
Total population	23,596	100.0%	24,218	100.0%	622	2.6%
In households	22,382	94.9%	23,243	96.0%	861	3.8%
In family households	16,038	68.0%	15,656	64.6%	-382	-2.4%
Householder	5,596	23.7%	5,647	23.3%	51	0.9%
Spouse ³	4,129	17.5%	4,123	17.0%	-6	-0.1%
Child	5,205	22.1%	4,681	19.3%	-524	-10.1%
Own child under 18 years	4,317	18.3%	3,622	15.0%	-695	-16.1%
Other relatives	515	2.2%	580	2.4%	65	12.6%
Nonrelatives	593	2.5%	625	2.6%	32	5.4%
In nonfamily households	6,344	26.9%	7,587	31.3%	1,243	19.6%
Householder	4,581	19.4%	5,543	22.9%	962	21.0%
Nonrelatives	1,763	7.5%	2,044	8.4%	281	15.9%
Population under 18 in households	4,559	99.3%	3,908	99.8%	-651	-14.3%
Population 18 to 64 in households	14,587	93.9%	15,102	94.4%	515	3.5%
Population 65 and over in households	3,236	93.3%	4,233	98.3%	997	30.8%
In group quarters	1,214	5.1%	975	4.0%	-239	-19.7%

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

Tabulated by Population Research Center, Portland State University.

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Ashland School District

Approximation based on census blocks

POPULATION (continued)	2000		2010		Change	
GROUP QUARTERS						
Total group quarters population	1,214	100.0%	975	100.0%	-239	-19.7%
Institutionalized population	112	9.2%	67	6.9%	-45	-40.2%
Male	33	2.7%	28	2.9%	-5	-15.2%
Female	79	6.5%	39	4.0%	-40	-50.6%
Noninstitutionalized population	1,102	90.8%	908	93.1%	-194	-17.6%
Male	505	41.6%	423	43.4%	-82	-16.2%
Female	597	49.2%	485	49.7%	-112	-18.8%
Population under 18 in group quarters	30	0.7%	9	0.2%	-21	-70.0%
Population 18 to 64 in group quarters	952	6.1%	893	5.6%	-59	-6.2%
Population 65 and over in group quarters	232	6.7%	73	1.7%	-159	-68.5%
HOUSEHOLDS						
Total households	10,177	100.0%	11,190	100.0%	1,013	10.0%
Family households (families) ⁴	5,596	55.0%	5,647	50.5%	51	0.9%
With own children under 18 years	2,636	25.9%	2,231	19.9%	-405	-15.4%
Husband-wife family	4,129	40.6%	4,123	36.8%	-6	-0.1%
With own children under 18 years	1,611	15.8%	1,254	11.2%	-357	-22.2%
Male householder, no wife present	347	3.4%	420	3.8%	73	21.0%
With own children under 18 years	229	2.3%	255	2.3%	26	11.4%
Female householder, no husband present	1,120	11.0%	1,104	9.9%	-16	-1.4%
With own children under 18 years	796	7.8%	722	6.5%	-74	-9.3%
Nonfamily households ⁴	4,581	45.0%	5,543	49.5%	962	21.0%
Householder living alone	3,225	31.7%	4,052	36.2%	827	25.6%
Male	1,301	12.8%	1,623	14.5%	322	24.8%
65 years and over	279	2.7%	428	3.8%	149	53.4%
Female	1,924	18.9%	2,429	21.7%	505	26.2%
65 years and over	785	7.7%	1,003	9.0%	218	27.8%
Households with individuals under 18 years	2,769	27.2%	2,393	21.4%	-376	-13.6%
Households with individuals 65 years and over	2,425	23.8%	3,222	28.8%	797	32.9%
Average household size	2.20		2.08		-0.12	-5.6%
Average family size ⁴	2.76		2.66		-0.10	-3.6%

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

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2000 and 2010 Census Profile

Ashland School District

Approximation based on census blocks

HOUSING UNITS	2000		2010		Change	
Total housing units	10,919	100.0%	12,473	100.0%	1,554	14.2%
Occupied housing units	10,177	93.2%	11,190	89.7%	1,013	10.0%
Owner occupied ⁵	5,752	56.5%	6,259	55.9%	507	8.8%
Owned with a mortgage or a loan	N/A		3,939	62.9%		
Owned free and clear	N/A		2,320	37.1%		
Renter occupied	4,425	43.5%	4,931	44.1%	506	11.4%
Vacant housing units ⁶	742	6.8%	1,283	10.3%	541	72.9%
For rent	244	32.9%	341	26.6%	97	39.8%
For sale only	89	12.0%	158	12.3%	69	77.5%
Rented or sold, not occupied	58	7.8%	106	8.3%	48	82.8%
For seasonal, recreational, or occasional use	243	32.7%	478	37.3%	235	96.7%
For migrant workers	2	0.3%	0	0.0%	-2	-100.0%
All other vacants	106	14.3%	200	15.6%	94	88.7%
Owner-occupied housing units	5,752	56.5%	6,259	55.9%	507	8.8%
Population in owner-occupied housing units	13,551		13,497		-54	-0.4%
Average household size of owner-occupied units	2.36		2.16		-0.20	-8.5%
Renter-occupied housing units	4,425	43.5%	4,931	44.1%	506	11.4%
Population in renter-occupied housing units	8,831		9,746		915	10.4%
Average household size of renter-occupied units	2.00		1.98		-0.02	-1.0%

1. Land area of the census blocks that approximate the area. The same boundaries were used for both 2000 and 2010; any differences in land area between 2000 and 2010 reflect changes to census block geography.
2. In combination with one or more of the other races listed. The six numbers may add to more than the total population, and the six percentages may add to more than 100 percent because individuals may report more than one race.
3. "Spouse" represents spouse of the householder. It does not reflect all spouses in a household. Responses of "same-sex spouse" were edited during processing to "unmarried partner."
4. "Family households" consist of a householder and one or more other people related to the householder by birth, marriage, or adoption. They do not include same-sex married couples even if the marriage was performed in a state issuing marriage certificates for same-sex couples unless there is at least one additional person related to the householder by birth or adoption. Same-sex couple households with no relatives of the householder present are tabulated in nonfamily households. "Nonfamily households" consist of people living alone and households which do not have any members related to the householder.
5. Percentage distribution of ownership categories ("owned with a mortgage or a loan" and "owned free and clear") adds to 100 percent.
6. Percentage distribution of vacancy categories ("for rent," etc.) adds to 100 percent.

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

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