

*FutureThink*

Formerly DeJONG-HEALY

# FINAL REPORT



**Wellesley Public Schools**  
Enrollment Projection Study  
August 31, 2016

## INTRODUCTION

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**FutureThink** was contracted to develop enrollment projections for the Wellesley Public Schools.

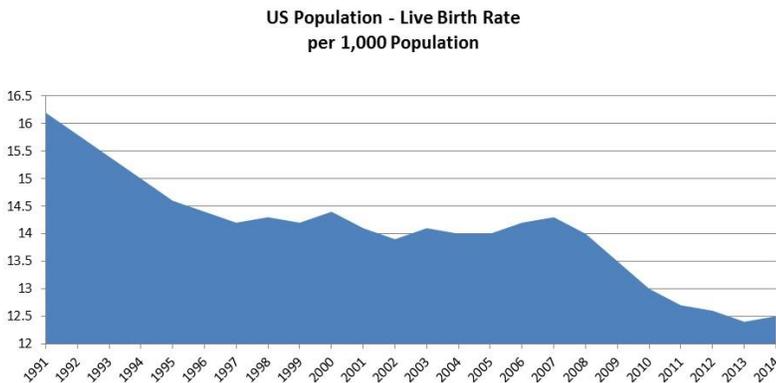
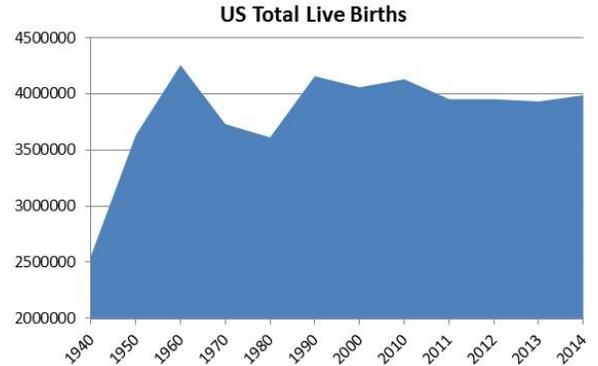
This report contains ten-year enrollment projections, which were developed for the Wellesley Public Schools by analyzing the following data:

- ▶ Live birth data
- ▶ Historical enrollment
- ▶ Non-public school enrollment
- ▶ Community demographics
- ▶ Housing information

The projections presented in this report are meant to serve as a planning tool for the future and represent the most likely direction of the District.

**NATIONAL & MASSACHUSETTS TRENDS IN ENROLLMENT**

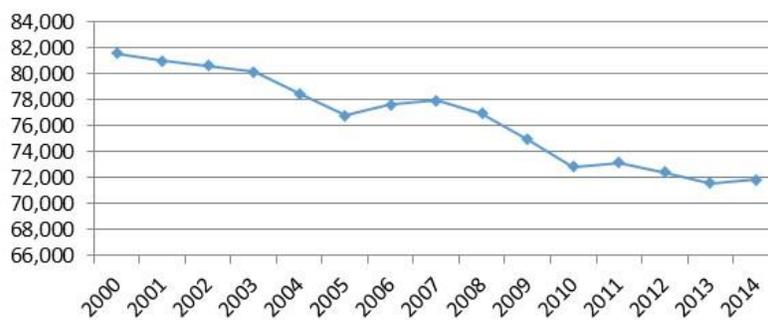
Tracing the landscape of the country’s public school enrollment back over the past eighty years reveals demographic, economic, and social changes. The United States as a whole continues to undergo major shifts in public student enrollment. The baby boom of the late 1940s and 50s was followed by the baby bust of the 1960s and 70s. An “echo” baby boom occurred in the 1980s, which then was followed by the echo baby bust from 1990 to 2000. There was a slight uptick from 2000 to 2010. Since 2011, the total number of births has been relatively flat.



With the live birth rate, there was an increase for the first time in several years in 1998. Other increases occurred in 2000, 2006, and 2007. Since 2007, the birth rate has resumed a descending pattern, reaching an all-time low in 2013 at 12.4 and increasing to 12.5 in 2014.

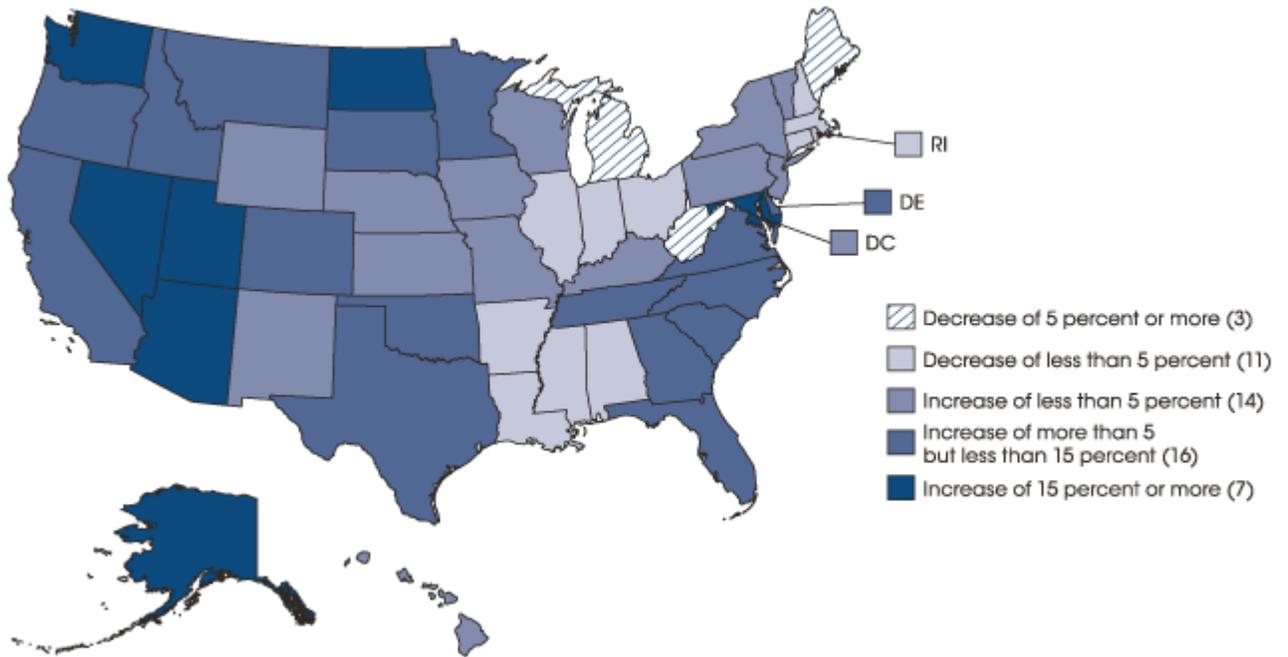
Massachusetts has experienced a similar trend in live births as seen around the country. Live birth counts increased in 2000. A descending pattern resumed in 2001. Births increased slightly again in 2006 and 2007 but then declined to an all-time low of 71,618 in 2013. In 2014, there was a slight increase.

**Massachusetts Resident Birth Counts**



In 2012-13, approximately 49.8 million students were enrolled in grades Pre-K-12 in the United States. From 2000-01 to 2012-13, enrollment increased by 2.6 million students. Overall, enrollment is projected to increase nationally by approximately 6 percent by the 2024-25 school year.

The figure below illustrates the projected change in Pre-K-12 public school enrollment from the 2012-13 to the 2024-25 school year. Growth is expected to continue primarily in the southeast and west. Massachusetts is projected to experience a decrease of less than 5 percent.



SOURCE: U.S. Department of Education, National Center for Education Statistics, Common Core of Data (CCD), "State Nonfiscal Survey of Public Elementary/Secondary Education," 2012-13; and Public State Elementary and Secondary Enrollment Model: 1980–2024. See *Digest of Education Statistics 2014*, [table 203.20](#).

## ENROLLMENT PROJECTION METHODOLOGIES

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When projecting future enrollments, it is vital to track the number of births, the patterns of enrollment, the amount of new housing activity, and the change in household composition.

In addition, any of the following factors could cause a significant change in projected student enrollments:

- ▶ Boundary adjustments
- ▶ New school openings
- ▶ Changes/additions in program offerings
- ▶ Preschool programs
- ▶ Change in grade configuration
- ▶ Interest rates/unemployment shifts
- ▶ Magnet/charter/private school opening or closure
- ▶ Zoning changes
- ▶ Unplanned new housing activity
- ▶ Planned, but not built, housing

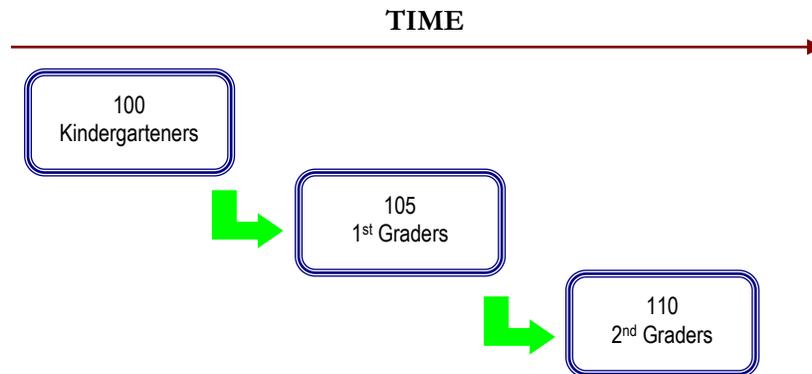
Obviously, certain factors can be gauged and planned for far better than others. For instance, it may be relatively straightforward to gather housing data from local builders regarding the total number of lots in a planned subdivision and calculate the potential student yield. However, planning for changes in the unemployment rate, and how these may either boost or reduce public school enrollment, proves more difficult. In any case, it is essential to gather a wide variety of information in preparation for producing enrollment projections.

When looking ahead at a school district's enrollment over the next two, five, or ten years, it is helpful to approach the process from a global perspective. For example: How many new homes have been constructed each year? How many births have occurred each year in relation to the resident population? Is housing experiencing a turnover – if so, what is the composition of families moving in/out? Are more or less students attending private school or being home-schooled? What new educational policies are in place now that could affect student enrollment figures?

The data sets generated from questions such as these have led to the development of general methodologies to project future student enrollments. They are as follows:

## Cohort Survival Method

A cohort is a group of persons [in this case, students]. The cohort survival projection methodology uses previous live birth data and historical student enrollments to “age” a known population or cohort throughout the school grades. For instance, a cohort begins when a group of kindergarteners enrolls in grade K and moves to first grade the following year, second grade the next year, and so on.



A “survival ratio” is developed to track how this group of students grew or shrunk in number as they moved through the grade levels. By determining survival ratios for each grade transition [i.e., 1st to 2nd grade] over a ten-year period of time, patterns emerge and projection ratios can be developed to be used as a multiplier.

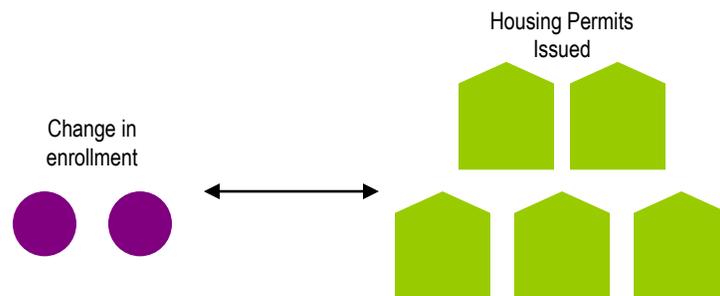
For example, if student enrollment has consistently increased from the 8th to the 9th grade over the past ten years, the survival ratios for each year would be greater than 100 percent. Through analysis of the survival ratios, the projection ratio is determined and is multiplied by the current 8th grade to develop a projection for next year’s 9th grade.

This methodology can be carried through to develop ten years of projection figures. Because there is not a grade cohort to follow for students coming into kindergarten, live birth counts are used to develop a survival ratio. Babies born five years previous to the kindergarten class are compared in number, and a ratio can be developed to project future kindergarten enrollments.

The cohort survival method is useful in areas where population is stable [relatively flat, growing steadily, or declining steadily], and where there have been no significant fluctuations in enrollment, births, and housing patterns from year to year.

## Housing

Enrollment projections can also be determined by analyzing the housing data for the areas that make up a school district. Yield factors can be established by comparing the historic change in enrollment from year to year divided by the total number of building or occupancy permits issued. For example, if student enrollment has increased by approximately 100 students each year and approximately 200 building permits have been issued each year for the past ten years, then the yield factor would be approximately .5 students per building permit.

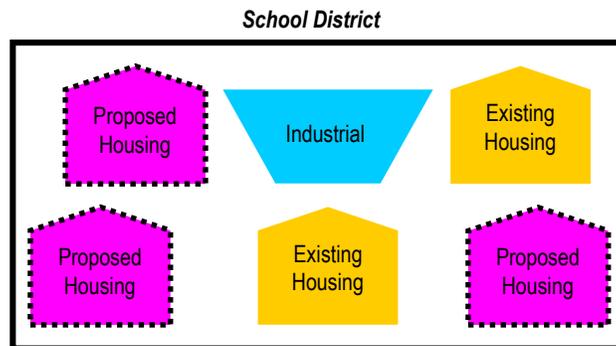


Once yield factors are established, the number of new students per year can be estimated by multiplying the yield factor by the number of projected new housing units. This method is effective when the rate of kindergarten enrollment far exceeds the live birth counts.

If housing demolitions are occurring in a district, these must also be taken into account. For instance, if housing demolitions/withdrawals have increased rapidly over recent years while new housing starts have remained relatively constant over many years, the conclusion may be that some of the new housing starts will simply be replacements for the families displaced by the demolitions. Of course, housing value and household composition would need to be further analyzed to confirm that this is indeed the case. It is possible that enrollment may remain flat or decline even though there is new housing occurring in the area.

**Land-Saturation Analysis**

Housing data also drives the land-saturation analysis enrollment methodology. In areas where there is a high rate of development and the future development patterns in the area are clear, a “build-out” scenario can be developed. The scenario takes into consideration the remaining acreage to be developed, planned rate of completion, zoning policies, density per acre, type of housing, and ratios of school-age children per household type. This method is particularly useful in areas experiencing rapid growth.



**Geographic Information Systems**

While not a methodology, the need for better tools and easier manipulation of data has led to a new industry standard in planning – GIS [Geographic Information Systems]. GIS technology allows school districts to quickly analyze countless data sets including birth data, housing information, and enrollment statistics.

When paired with enrollment projections, GIS becomes an invaluable information-management and decision-making tool. Often, county or city offices are already implementing GIS technology and data can be shared and expanded among these organizations in the district. GIS tables and maps are included within this report illustrating population, age, and income estimates and projections.

**Analysis of Previous Enrollment Projection Report**

In 2013, an enrollment projection study was conducted by another consulting firm. The following table illustrates the actual vs. projected enrollment for the past 2 school years. Overall, the K-12 projections for both years were within less than 1% of the actual enrollment. The largest margins of error occurred at Kindergarten, 1<sup>st</sup> and 9<sup>th</sup> grades (between 4.66 and 5.99% for the 2015-16 school year).

Wellesley Public Schools  
Actual vs. Projected Enrollment

Grade	2015-16				2014-15			
	Actual	2015-16 EP	Difference	Percentage	Actual	2014-15 EP	Difference	Percentage
K	324	340	-16	-4.94%	337	355	-18	-5.34%
1	365	382	-17	-4.66%	394	386	8	2.03%
2	410	395	15	3.66%	399	395	4	1.00%
3	406	405	1	0.25%	393	394	-1	-0.25%
4	394	401	-7	-1.78%	408	407	1	0.25%
5	408	405	3	0.74%	374	373	1	0.27%
6	363	358	5	1.38%	423	417	6	1.42%
7	416	404	12	2.88%	383	378	5	1.31%
8	374	376	-2	-0.53%	372	370	2	0.54%
9	384	361	23	5.99%	413	393	20	4.84%
10	398	390	8	2.01%	358	357	1	0.28%
11	354	349	5	1.41%	383	373	10	2.61%
12	379	369	10	2.64%	332	333	-1	-0.30%
K - 12 Total	4,975	4,935	40	0.80%	4,969	4,931	44	0.88%

Source: Wellesley Public Schools, Cropper GIS October 25, 2013 Report

Kindergarten and 1<sup>st</sup> grade have the greatest impact on future projections since those students will be in the system for the entire 10-year projection timeframe. The previous study states that the “forecasted enrollments for kindergarten and first grade are derived the from the 5-to-9 year old population of the age-sex population forecast at the elementary attendance center district level.”

This study relies on birth counts as the primary indicator of future Kindergarten enrollment. A survival ratio is determined, indicating the number of children born in the area who attend Kindergarten in the District 5 years later. For the first four years of the enrollment projection, the number of births is a known quantity for the Kindergarten class, which are the 2011-2014 birth counts.

The following table illustrates the birth year, number of births, school year attending Kindergarten, actual Kindergarten enrollment, and the survival ratio. The average survival ratio for is over 130 percent, indicating that over 30% of the children attending Kindergarten in Wellesley Public Schools have moved into the District at some point after they were born.

Wellesley Public Schools  
Birth Count vs. K Enrollment

Birth Year	Births	School Year	K Enrollment	Survival Ratio
2000	351	2005-06	391	111.40%
2001	316	2006-07	362	114.56%
2002	346	2007-08	393	113.58%
2003	318	2008-09	394	123.90%
2004	274	2009-10	352	128.47%
2005	260	2010-11	354	136.15%
2006	273	2011-12	353	129.30%
2007	252	2012-13	352	139.68%
2008	252	2013-14	363	144.05%
2009	215	2014-15	337	156.74%
2010	241	2015-16	324	134.44%
2011	204	2016-17		
2012	220	2017-18		
2013	209	2018-19		
2014	220	2019-20		

Source: MA Dept. of Health & Human Services; Wellesley Public Schools

For the following years of the projection, an estimated number of births count are used based on a five-year weighted average of the previous births. In this case, the number used was 216 births for birth years 2015-2020.

We believe this a more accurate way to project Kindergarten and is the primary difference between this study and the previous one completed in 2013.

Overall, the cohort survival was the primary method used in the development of the following enrollment projections for the Wellesley Public Schools with adjustments made based on housing development as identified later in this report.

**HISTORICAL ENROLLMENT**

Over the past ten years, student enrollment in the Wellesley Public Schools has increased by 443 students or almost 10 percent. However, the increase over the last 5 years has been less than 100 students. Total enrollment for the 2015-16 school year is 4,975 students. The following tables illustrate the District’s enrollment history from 2006-07 through 2015-16.

**Wellesley Public Schools  
Historical Enrollment**

Grade	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
K	362	393	394	352	354	353	352	363	337	324
1	423	409	422	413	359	381	365	386	394	365
2	381	428	415	414	419	362	389	384	399	410
3	389	395	446	407	411	438	365	399	393	406
4	381	399	399	439	406	413	433	376	408	394
5	384	382	405	396	427	408	405	433	374	408
6	327	380	368	390	397	410	381	390	423	363
7	356	319	377	360	380	382	411	371	383	416
8	311	357	315	383	361	384	373	403	372	374
9	313	303	350	296	369	346	383	360	413	384
10	331	303	292	350	295	374	342	381	358	398
11	290	329	297	284	342	297	360	336	383	354
12	284	281	319	294	289	338	298	358	332	379
K - 12 Total	4,532	4,678	4,799	4,778	4,809	4,886	4,857	4,940	4,969	4,975

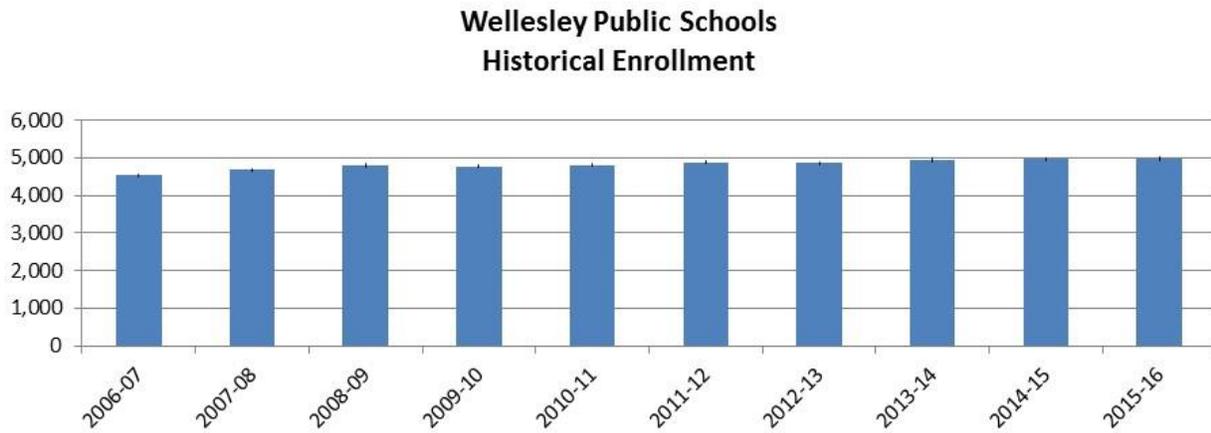
Source: Wellesley Public Schools

**Wellesley Public Schools  
Historical Enrollment by Grade Group**

Grade	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
K - 5	2,320	2,406	2,481	2,421	2,376	2,355	2,309	2,341	2,305	2,307
6 - 8	994	1,056	1,060	1,133	1,138	1,176	1,165	1,164	1,178	1,153
9 - 12	1,218	1,216	1,258	1,224	1,295	1,355	1,383	1,435	1,486	1,515
K - 12 Total	4,532	4,678	4,799	4,778	4,809	4,886	4,857	4,940	4,969	4,975

Source: Wellesley Public Schools

The following graph illustrates the District’s K – 12 enrollment history from 2006-07 through 2015-16.



**ENROLLMENT OUTSIDE OF WELLESLEY PUBLIC SCHOOLS**

Since 2010-11, the number of Wellesley Public Schools students attending elsewhere has increased from 1,108 to 1,218 students. This enrollment should be closely monitored as it may have a significant impact on District enrollment in the future.

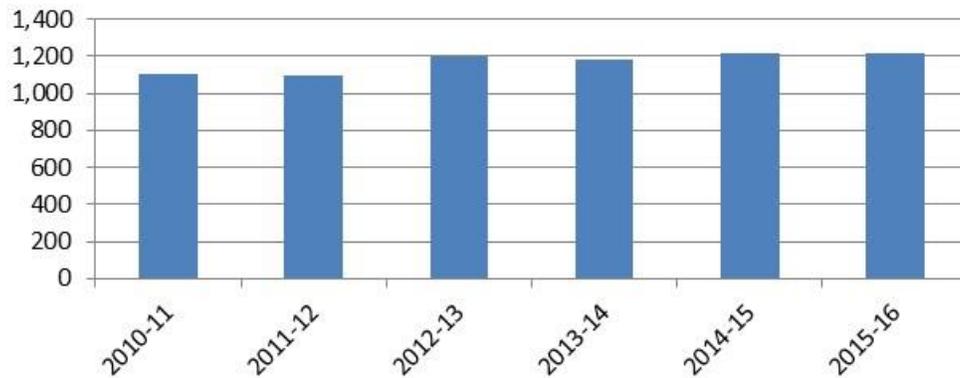
**Wellesley Public Schools  
Resident Students Attending Elsewhere**

Grade	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Vocational School	3	5	4	10	8	9
Other Public Schools*	0	0	2	4	3	1
Charter Schools	2	2	2	1	1	1
Home Schooled	12	10	6	8	6	7
Private/Parochial School	1,025	1,035	1,139	1,119	1,133	1,151
<b>Sub-total</b>	<b>1,042</b>	<b>1,052</b>	<b>1,153</b>	<b>1,142</b>	<b>1,151</b>	<b>1,169</b>
Private Special Ed	57	32	40	36	54	39
Collaboratives Special Ed	9	12	9	7	11	10
<b>Sub-total</b>	<b>66</b>	<b>44</b>	<b>49</b>	<b>43</b>	<b>65</b>	<b>49</b>
<b>Grand Total</b>	<b>1,108</b>	<b>1,096</b>	<b>1,202</b>	<b>1,185</b>	<b>1,216</b>	<b>1,218</b>

Source: DESE, Massachusetts Department of Education; Wellesley Public Schools

\*does not include residents who teach in other districts and whose children may attend in those districts

**Wellesley Public Schools  
Resident Students Attending Elsewhere**



**LIVE BIRTH DATA**

Utilization of live birth data is recommended when projecting future kindergarten enrollments as it provides a helpful overall trend. The live birth counts are used in determining a birth-to-kindergarten survival ratio. This ratio identifies the percentage of children born in a representative area who attend kindergarten in the District five years later. The survival ratios for birth-to-kindergarten as well as grades 1-12 can be found later in this report.

The Massachusetts Department of Public Health provides information about live birth events for its residents. Data is arranged by the residence of the mother.

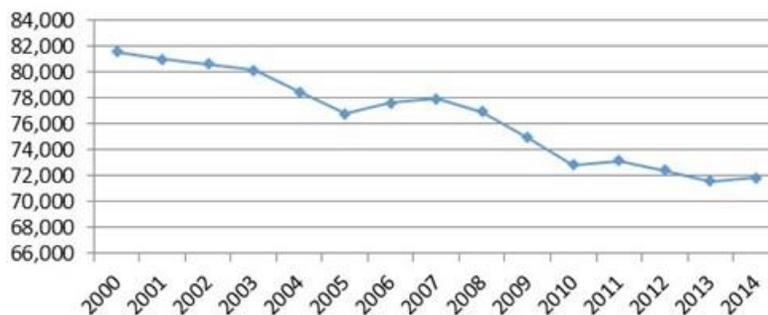
The number of live births is recorded by:

- ▶ State
- ▶ County
- ▶ City/Town

Live birth counts are different from live birth rates. The live birth count is the actual number of live births. A birth rate is the number of births per 1,000 women in a specified population group. Birth rates are provided for counties only and for 9 age groups from 10-14 years to 45+ years.

Birth counts in Massachusetts have declined from a high of 81,582 births in the year 2000 to 71,867 births in 2014.

**Massachusetts Resident Birth Counts**



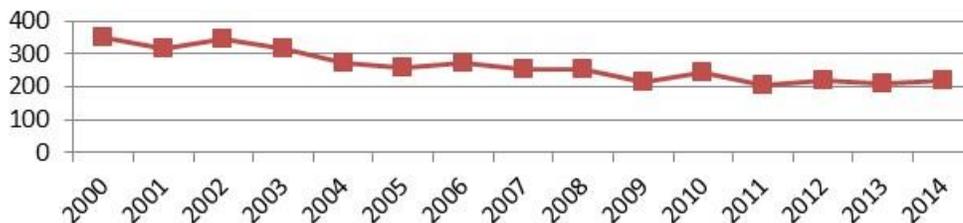
The following table and graph include the live birth counts for Wellesley residents from 2000 through 2014. The counts range from a low of 204 in 2011 to a high of 351 in 2000. Lower birth counts will result in lower Kindergarten classes in the future. The children born in 2011-2014 represent future Kindergarteners in the 2016-17 through 2019-20 school years.

**Wellesley Public Schools  
Birth Counts for Wellesley Residents  
2000-2014**

Year	Total
2000	351
2001	316
2002	346
2003	318
2004	274
2005	260
2006	273
2007	252
2008	252
2009	215
2010	241
2011	204
2012	220
2013	209
2014	220

Source: MA Dept. of Public Health

**Wellesley Public Schools  
Birth Counts for Wellesley Residents**



DEMOGRAPHICS

The Wellesley Public Schools is comprised of Wellesley in Norfolk County. Wellesley has a significantly higher per capita income and much lower percentage of persons below poverty than those of the county and state. Wellesley and Norfolk County have both seen growth from 2000 through 2014, approximately 8% and 5%, respectively. The economic indicators that those who live in Wellesley will continue to do so. It is expected to be a very stable population, which means many residents will age in place and while the overall population will increase, so will the age of the population.

General Demographic Information

	Wellesley	Norfolk County	Massachusetts
Per Capita Income	\$71,733	\$45,375	\$36,441
Median Household Income	\$159,615	\$86,469	\$67,846
Persons Below Poverty	3.5%	6.5%	11.6%

Source: US Census, American Community Survey, 2014 5-Year Estimates

Total Population

	2000 Census	2010 Census	2014 Estimate
Norfolk County	650,308	670,850	682,860
Wellesley	26,613	27,982	28,858

Source: US Census, American Community Survey, 2000 and 2010 Summary File 1; 2014 5-Year Estimates

Also included are block group estimates and projections provided by ESRI. ESRI uses a time series of estimates from the U.S. Census Bureau that includes the latest estimates and inter-censal estimates adjusted for error of closure. The Census Bureau’s time series is consistent, but testing has revealed improved accuracy by using a variety of sources to track county population trends.

ESRI also employs a time series of building permits and housing starts plus residential deliveries. Data sources are integrated and then analyzed by Census Block Groups.

Sources of data include:

- ▶ Supplementary Surveys of the Census Bureau
- ▶ Bureau of Labor Statistics’ (BLS) Local Area Unemployment Statistics
- ▶ BLS Occupational Employment Statistics
- ▶ InfoUSA
- ▶ U.S. Bureau of the Census’ Current Population Survey
- ▶ National Planning Association Data Service

Below is a list of definitions as they appear on the U.S. Census Bureau website, to aid in interpretation of the following tables and maps.

**Household:**

*A household includes all the people who occupy a housing unit as their usual place of residence.*

**Average family size:**

*A measure obtained by dividing the number of members of families by the total number of families (or family householders).*

**Family household (Family):**

*A family includes a householder and one or more people living in the same household who are related to the householder by birth, marriage, or adoption. All people who are related to the householder are regarded as members of his or her family. A family household may contain people not related to the householder, but those people are not included as part of the householder's family in census tabulations. Thus, the number of family households is equal to the number of families, but family households may include more members than do families. A household can contain only one family for purposes of census tabulations. Not all households contain families since a household may comprise a group of unrelated people or one person living alone.*

**Householder:**

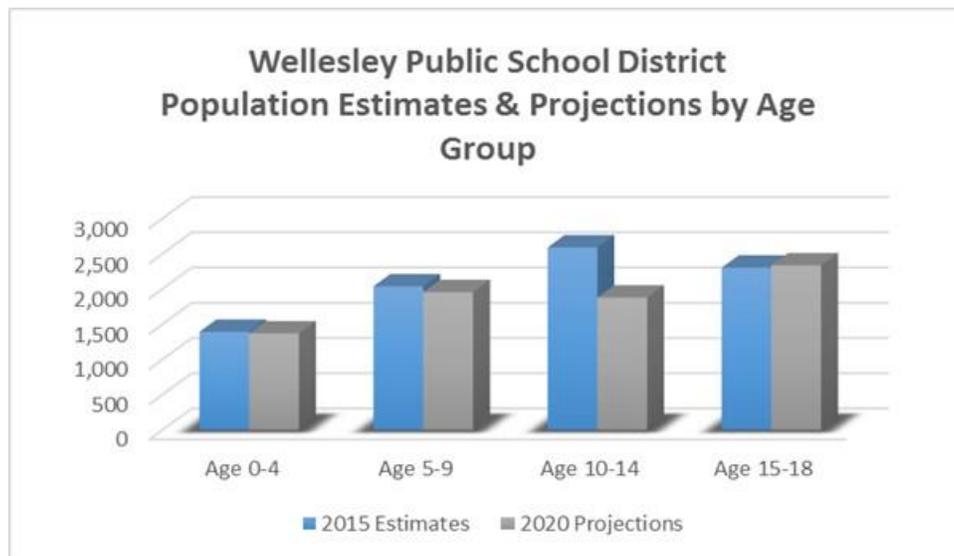
*The person, or one of the people, in whose name the home is owned, being bought, or rented. If there is no such person present, any household member 15 years old and over can serve as the householder for the purposes of the census. Two types of householders are distinguished: a family householder and a nonfamily householder. A family householder is a householder living with one or more people related to him or her by birth, marriage, or adoption. The householder and all people in the household related to him are family members. A nonfamily householder is a householder living alone or with nonrelatives only.*

The following tables illustrate the current estimates and 5-year population projections based on block groups that comprise school district, indicating areas of current and projected growth. The tables have been developed to determine selected age group projections and projections for household income, family size, and total households.

The total population in the District is 28,810. This population is projected to increase by 830 people, or approximately 3% over a 5-year period. The 0-18 year-old population in the District currently totals 8,334. This population is projected to decrease by 783 people, or approximately 9 percent. The median age is projected to increase by approximately 4%, from 37.6 to 39.1 years of age.

Wellesley Public Schools	2015 Estimates	2020 Projections	Change 2015-20	Change 2015-20 (%)
Total Population	28,810	29,640	830	2.9%
Age 0-4	1,395	1,373	-22	-1.6%
Age 5-9	2,041	1,958	-83	-4.1%
Age 10-14	2,593	1,881	-712	-27.5%
Age 15-18	2,305	2,339	34	1.5%
Total Age 0-18	8,334	7,551	-783	-9.4%
Median Age	37.6	39.1	1.5	4.0%

Source: ESRI



The following table illustrates the total population by age. Those over 19 years of age currently make up approximately 67% of the population. This number is expected to increase to approximately 69% by the year 2020.

Based on the 2015 population estimates, 36% of the population is at least 50 years old. This number is projected to increase to 39% by the year 2020. Approximately 23% of the population is between ages 15 and 24. This large percentage is due to the local colleges and is projected to remain relatively the same in 2020. This population will have little to no impact on the District’s enrollment.

The female population ages 25-44 is expected to stay relatively the same from 2015 to 2020 (2,050 and 2,092, respectively) which indicates a stabilization of the number of births into the future, assuming birth rates stay the same.

Wellesley Public School District Age	2015				2020			
	Total Population	Male	Female	% of Total	Total Population	Male	Female	% of Total
0-4	1,395	697	698	4.84%	1,373	691	682	4.63%
5-9	2,041	995	1,046	7.08%	1,958	958	1,000	6.61%
10-14	2,593	1,330	1,263	9.00%	2,337	1,136	1,201	7.88%
15-19	3,543	1,340	2,203	12.30%	3,591	1,374	2,217	12.12%
20-24	3,190	1,037	2,153	11.07%	3,209	1,074	2,135	10.83%
25-29	550	251	299	1.91%	922	445	477	3.11%
30-34	605	267	338	2.10%	670	305	365	2.26%
35-39	939	411	528	3.26%	931	391	540	3.14%
40-44	1,637	752	885	5.68%	1,311	601	710	4.42%
45-49	1,965	907	1,058	6.82%	1,907	884	1,023	6.43%
50-54	2,234	1,071	1,163	7.75%	2,098	982	1,116	7.08%
55-59	1,945	937	1,008	6.75%	2,197	1,077	1,120	7.41%
60-64	1,659	795	864	5.76%	1,886	915	971	6.36%
65-69	1,432	700	732	4.97%	1,554	751	803	5.24%
70-74	1,040	474	566	3.61%	1,320	610	710	4.45%
75-79	761	324	437	2.64%	961	431	530	3.24%
80-84	567	243	324	1.97%	641	270	371	2.16%
85+	714	224	490	2.48%	774	264	510	2.61%
<b>Total, 19+</b>	<b>19,238</b>	<b>8,393</b>	<b>10,845</b>	<b>66.78%</b>	<b>20,381</b>	<b>9,000</b>	<b>11,381</b>	<b>68.76%</b>
<b>Total</b>	<b>28,810</b>	<b>12,755</b>	<b>16,055</b>		<b>29,640</b>	<b>13,159</b>	<b>16,481</b>	

Source: ESRI

Median and average household incomes in the District are projected to increase by approximately 10% and 14%, respectively over a 5-year period. The average family size is projected to increase by less than 1%, and the number of family households is projected to increase by approximately 3 percent.

Wellesley Public Schools	2015 Estimates	2020 Projections	Change 2015-20	Change 2015-20 (%)
Median Household Income	\$168,335	\$185,894	\$17,559	10.4%
Average Household Income	\$213,399	\$243,142	\$29,743	13.9%
Average Family Size	3.26	3.27	0.01	0.3%
Total Family Households	6,815	7,014	199	2.9%

Source: ESRI

All data points suggest a decline in District enrollment due to lower birth counts, projected decline in school age population, projected increase in non-school age population, and stable average family size.

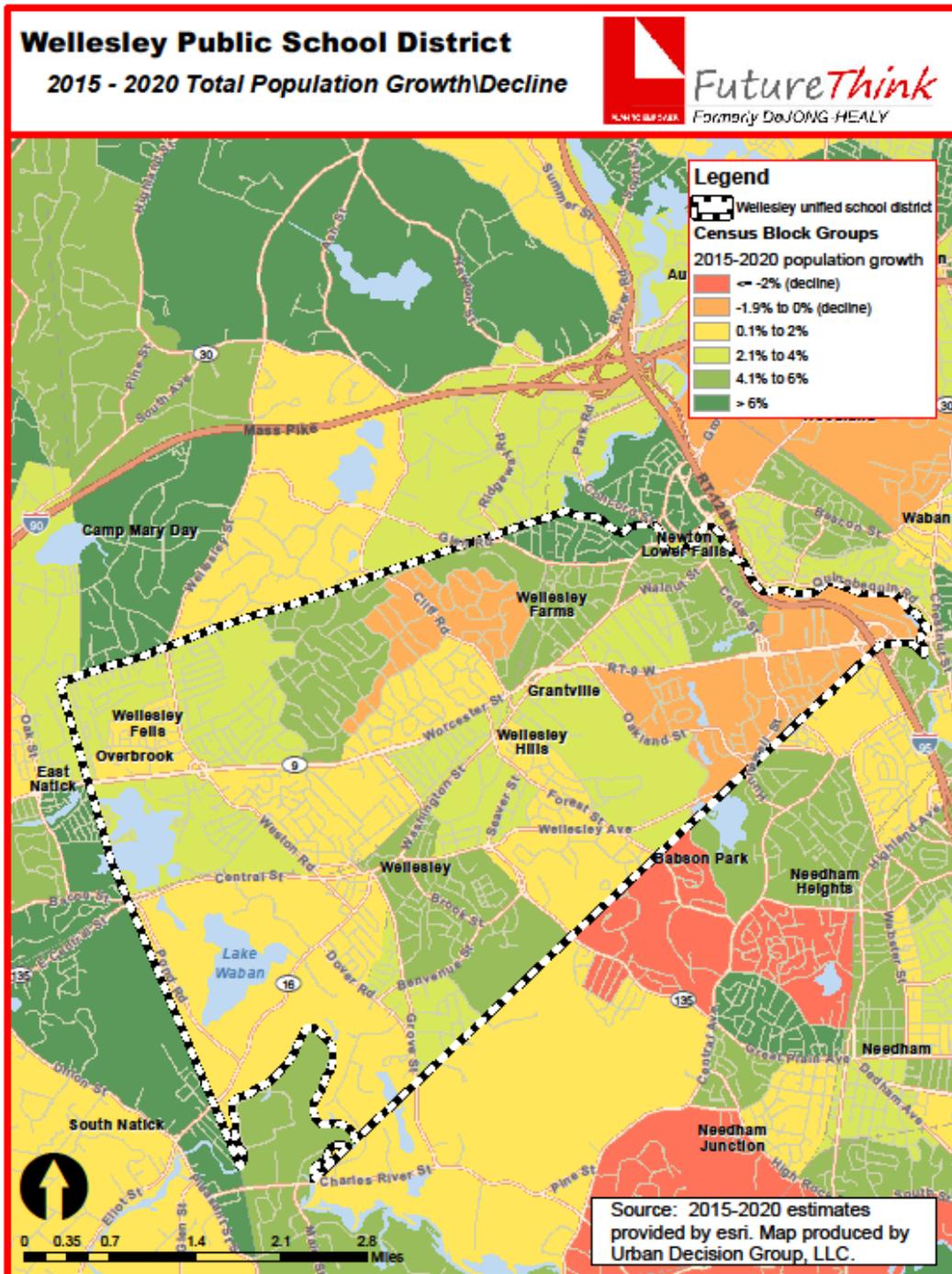
The maps on the following pages illustrate the data identified in the tables. The color coding identifies areas within the District that may be increasing or decreasing at different rates than others.

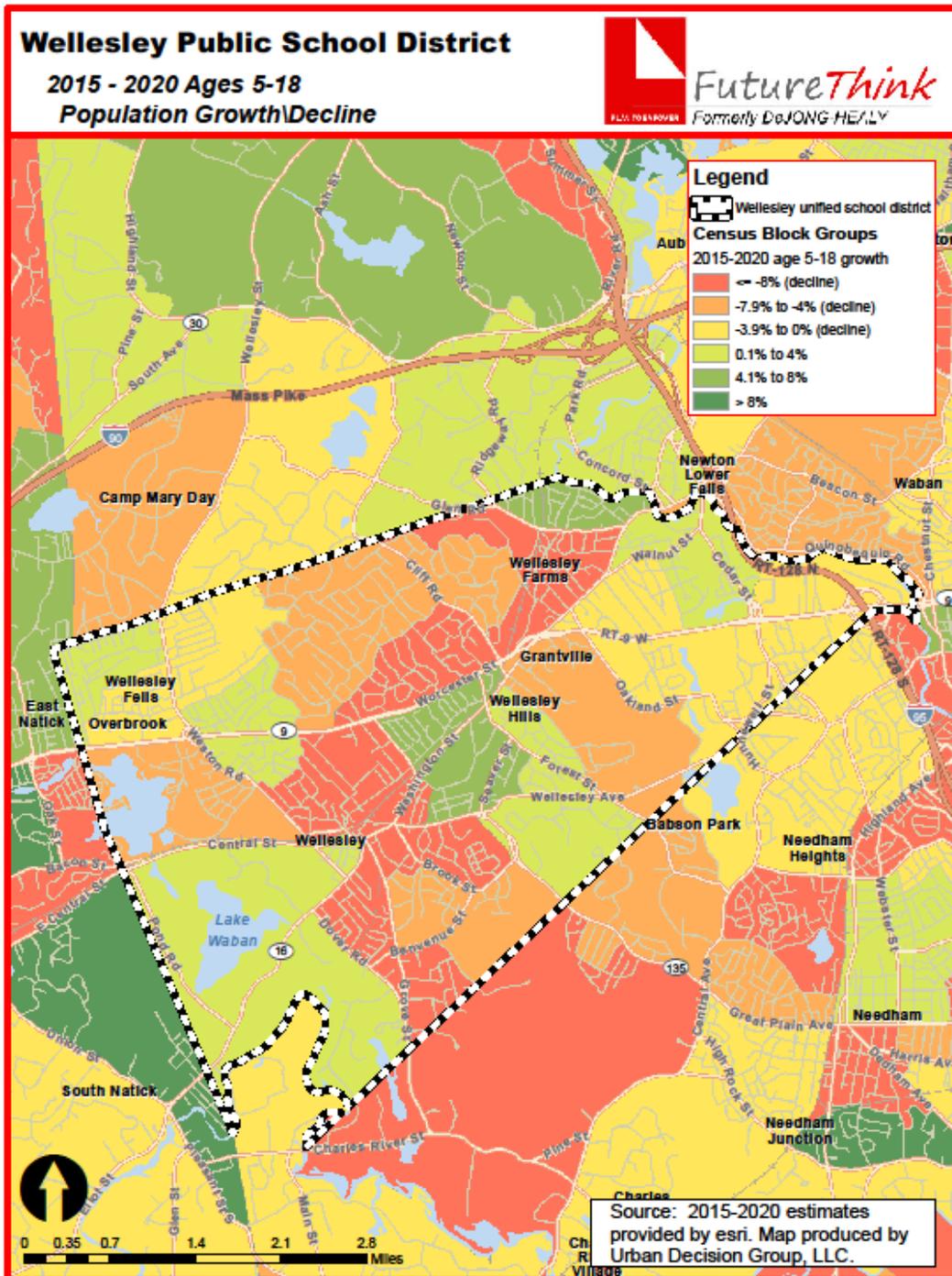
The first map shows the projected change in the total population from 2015 to 2020. There are two areas of decline of less than 2%—one in the north central and the other in the far northeast corner of the District. The rest of the District is projected to gain population—the vast majority between 0.1% and 6 percent. A small portion in the northern tip of the District is projected to gain more than 6% in the overall population.

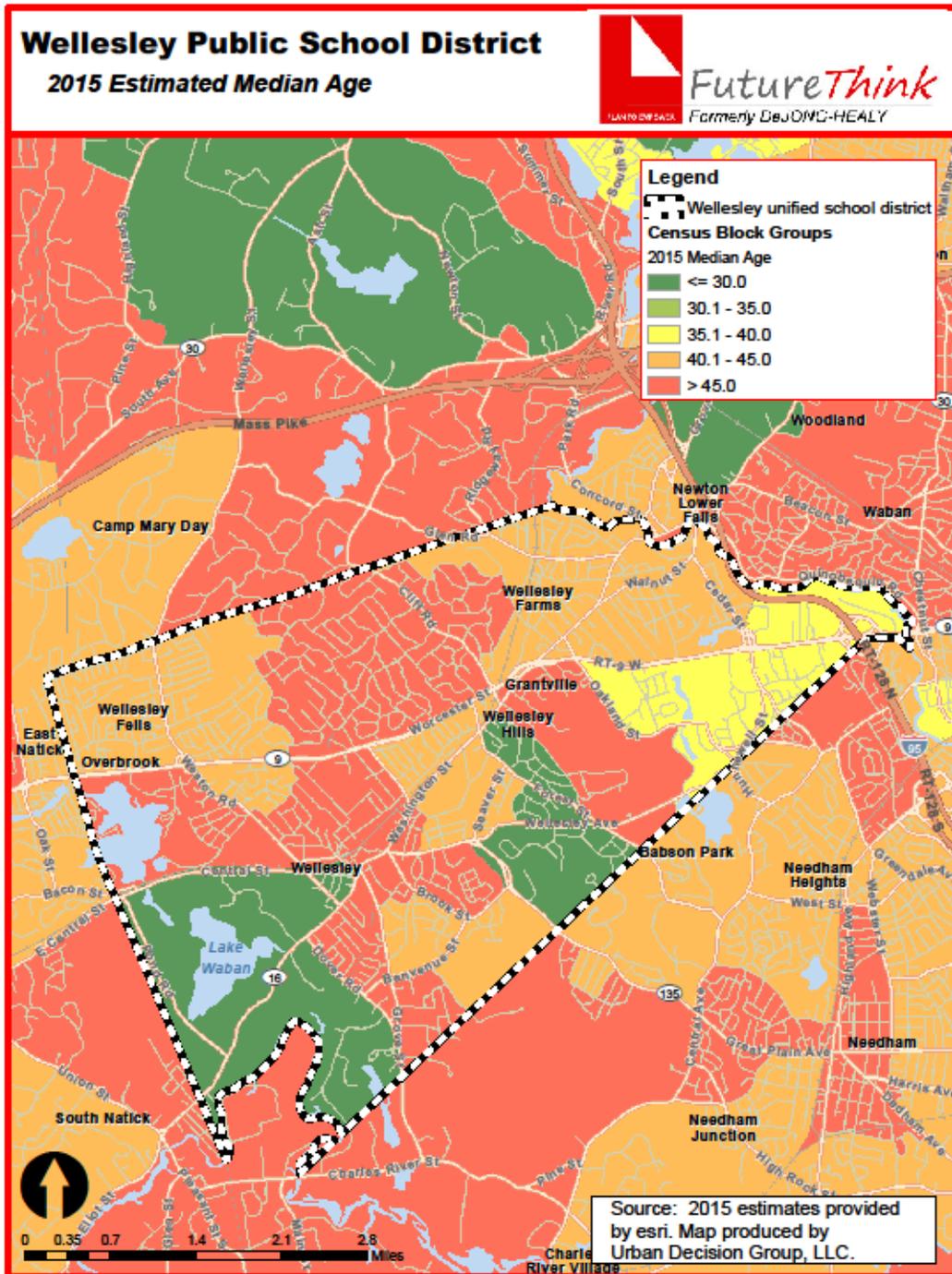
However, the school age population illustrated in the second map shows more decline than growth. The red areas indicate areas of decline of greater than 8 percent from 2015 to 2020. The orange areas indicate population loss of between 4 and 8 percent, and the yellow areas show areas of loss of less than 4 percent. These areas make up the majority of the District. There are a few areas of growth shown in green.

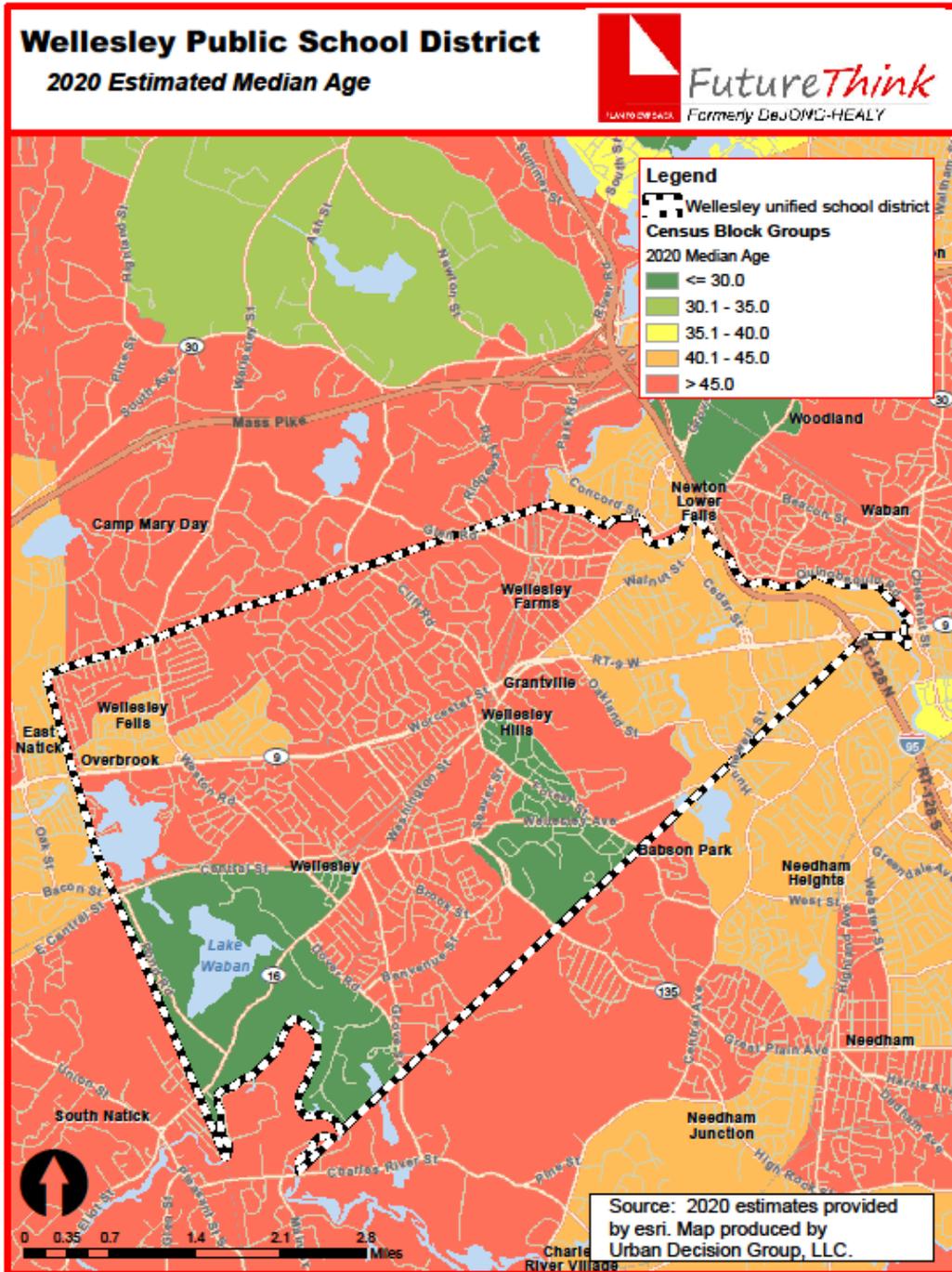
The third and fourth maps (on pages 22 and 23) illustrate the median age. In 2015, the median age is predominantly over 40. Only the areas near the colleges have a younger median age. In 2020, the median age increases to over 45 for the majority of the District.

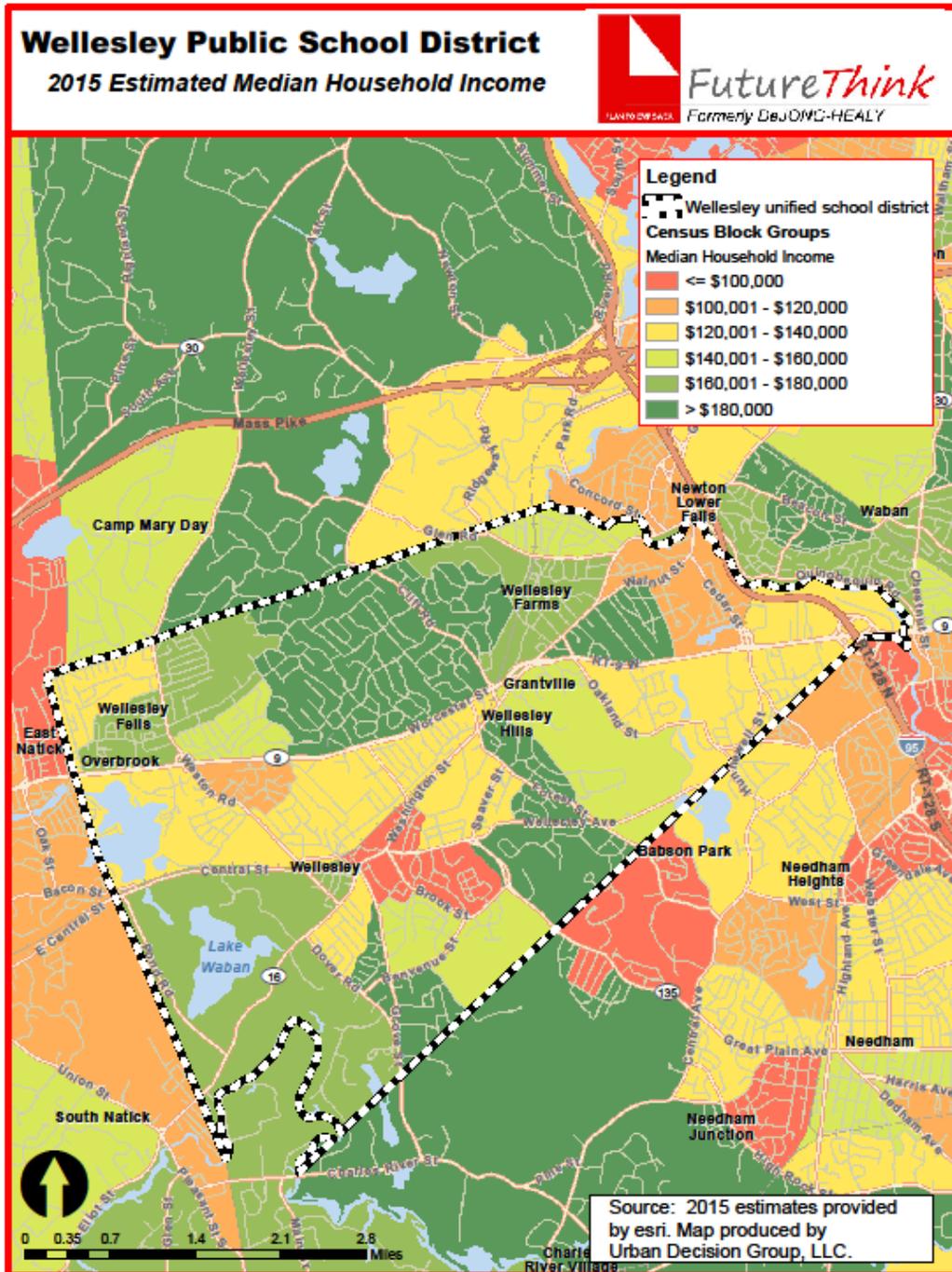
The fifth and sixth maps (on pages 24 and 25) illustrate median household income. In 2015, there is a small pocket roughly in the center of the District with a median household income of less than \$100,000. This is projected to stay roughly the same in 2020. There are a number of areas that are expected to increase in income to over \$180,000 from 2015 to 2020—primarily in the north central and south central areas of the District.

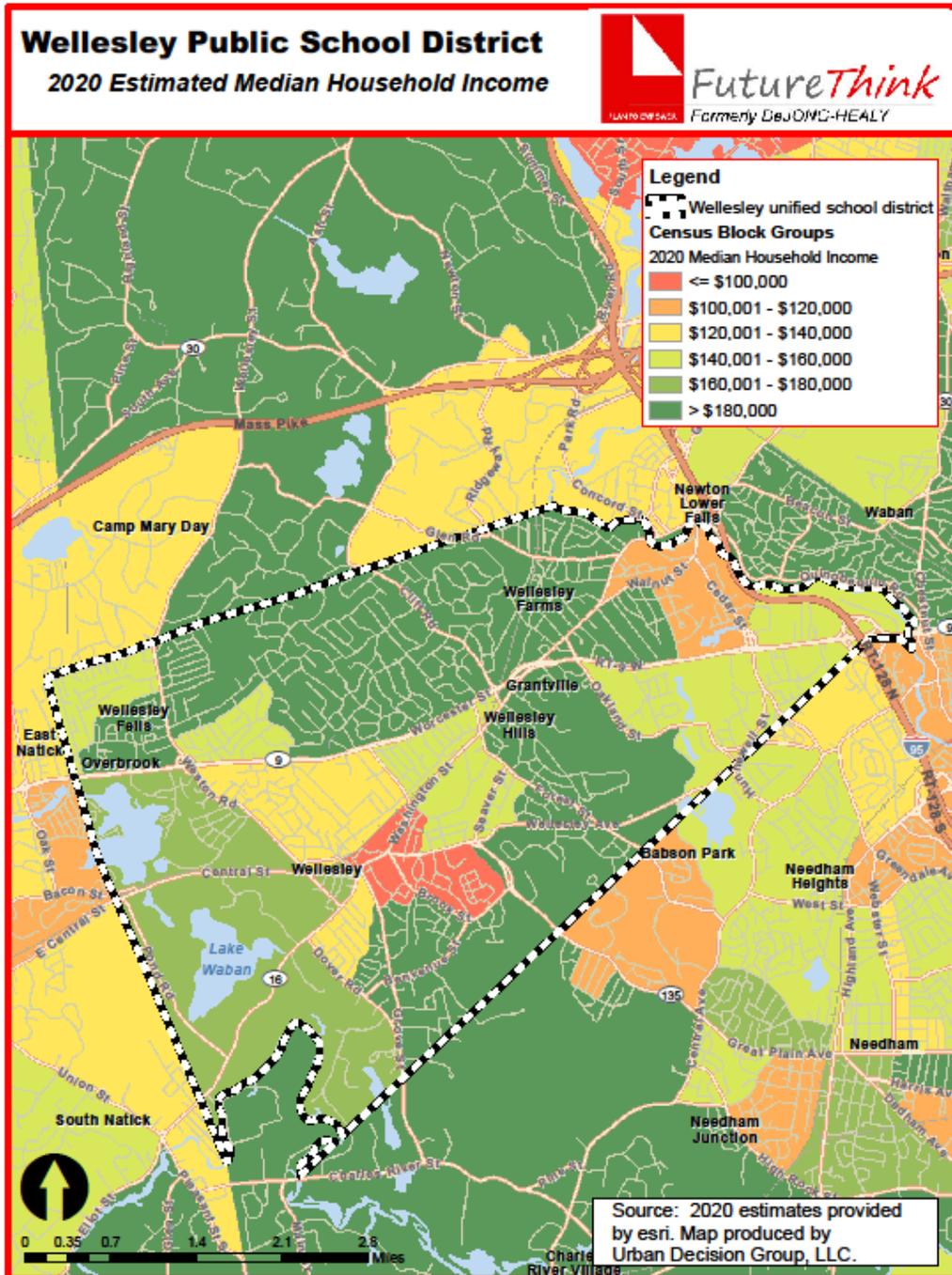












**HOUSING INFORMATION**

The table below illustrates the number of demolitions, single-family, two-family, and multi-family building permits issued each year in Wellesley. The net gain between demolitions and new single family homes is essentially zero. This data has been confirmed with the Town of Wellesley Planning Department.

**Town of Wellesley  
Housing Development**

Year	Demolitions	Single Family Permits	Two Family Permits	Multi Family Units
2009	38	39	1	0
2010	46	46	2	3
2011	47	45	0	0
2012	71	71	0	0
2013	70	70	0	0
2014	58	64	0	25
2015	95	93	3	3
2016*	49	51	0	0

Source: Town of Wellesley Planning Department

\* preliminary through August 9, 2016

According to the Town of Wellesley Planning Department, there are seven residential projects in the pipeline for the Town of Wellesley with a potential net gain of 107 units. They include:

**Town of Wellesley  
Pipeline of Residential Projects\***

Project Location	Elementary School	Existing/Pre-existing Use	Project Description	Net Change in Units	Status	Occupancy Timeline
135 Great Plain Avenue	Fiske	1 single family home	12 lot single family residential subdivision	+11	Subdivision plan approved; not yet endorsed or recorded. Land development has not begun.	1st unit likely CO'd in Summer 2017; final unit CO'd in 2019
Rollins Property; 636-656 Washington Street	Hunnewell	Vacant	5 single family residences	+5	2 under construction; 3 not yet permitted	Full occupancy likely late 2017 or early 2018
978 Worchester Street	Hardy	Motel	36 multi-family residential units; rental; includes 7 affordable units	+36	Now leasing	Full occupancy likely by end of 2016
22 Pleasant Street	Sprague	1 single family home	6 townhomes	+5	Under construction; 3 units to be CO'd in September 2016	Full occupancy likely late 2016 or early 2017
Belclare (Wellesley Inn) 576 Washington Street	Hunnewell	Hotel	30 multi-family residential units; owner; includes 5 affordable units	+30	Completed	Fully occupied
680 Worchester Street	Sprague	1 single family home	20-unit 40B project	+19	Submitted to MASShousing for pre-approval; site may be sold and project may not proceed	If project moves forward without legal challenges, full occupancy likely late 2018
24 Linden Street; 15 Curve Street	Sprague	4-unit multi-family; 1 single family home	3 two-family dwellings (6 units)	+1	Construction has not begun	Full occupancy likely late 2017

Source: Town of Wellesley Planning Department

\* includes projects submitted for approvals, pending permit review, active permits or recently completed through August 18, 2016

The two largest projects are 978 Worcester Street and 576 Washington Street. The Washington Street project is completed and fully occupied, so any students should already be in the system. According to the District, no students have registered from the Worcester Street project as of late August.

Of the remaining 41 units, the 40B project (a net gain of 19 units) may or may not proceed at 680 Worcester Street.

This leaves 22 units which may have an impact on the District's enrollment (potentially 10 new students once occupied).

**SURVIVAL RATIOS**

The chart below demonstrates the changes in enrollment as students move through the system. Percentages greater than 100 indicate that there are more students than there were in the previous grade the previous year. In other words, there was growth and new students entered the system. Percentages less than 100 indicate that there was decline with students leaving the system.

- ▶ Birth to Kindergarten: This ratio indicates the number of children born in the area who attend kindergarten in the District 5 years later. Percentages less than 100% result from movement out of the District, attendance at a non-public or charter school, or residence in another district within the same area. Percentages greater than 100% result from movement into the District after birth.

The following table illustrates the survival ratios for the Wellesley Public Schools. On average, the survival ratios for grades K-4 exceed 100 percent. For grades 5-12, the average is approximately 99 percent.

With a few exceptions (birth to K, K to 1, and 8 to 9), the survival ratios are extremely stable with a deviation of 2% or less. The birth to K ratio has had the most volatility over the past 10 years, but has averaged approximately 144% for the last 4 years.

The K to 1 ratio has been fairly stable the last 3 years. The 8 to 9 ratio has increased the past two years to over 100%, which could mean more students are entering the public school system after attending a non-public school for grades K-8.

from	to	birth -> K	K->1	1->2	2->3	3->4	4->5	5->6	6->7	7->8	8->9	9->10	10->11	11->12
2006	2007	113.6%	113.0%	101.2%	103.7%	102.6%	100.3%	99.0%	97.6%	100.3%	97.4%	96.8%	99.4%	96.9%
2007	2008	123.9%	107.4%	101.5%	104.2%	101.0%	101.5%	96.3%	99.2%	98.7%	98.0%	96.4%	98.0%	97.0%
2008	2009	128.5%	104.8%	98.1%	98.1%	98.4%	99.2%	96.3%	97.8%	101.6%	94.0%	100.0%	97.3%	99.0%
2009	2010	136.2%	102.0%	101.5%	99.3%	99.8%	97.3%	100.3%	97.4%	100.3%	96.3%	99.7%	97.7%	101.8%
2010	2011	129.3%	107.6%	100.8%	104.5%	100.5%	100.5%	96.0%	96.2%	101.1%	95.8%	101.4%	100.7%	98.8%
2011	2012	139.7%	103.4%	102.1%	100.8%	98.9%	98.1%	93.4%	100.2%	97.6%	99.7%	98.8%	96.3%	100.3%
2012	2013	144.0%	109.7%	105.2%	102.6%	103.0%	100.0%	96.3%	97.4%	98.1%	96.5%	99.5%	98.2%	99.4%
2013	2014	156.7%	108.5%	103.4%	102.3%	102.3%	99.5%	97.7%	98.2%	100.3%	102.5%	99.4%	100.5%	98.8%
2014	2015	134.4%	108.3%	104.1%	101.8%	100.3%	100.0%	97.1%	98.3%	97.7%	103.2%	96.4%	98.9%	99.0%
	average	134.04%	107.19%	101.98%	101.92%	100.74%	99.59%	96.92%	98.05%	99.51%	98.18%	98.70%	98.55%	99.00%
	standard deviation	11.676%	3.162%	1.949%	2.075%	1.529%	1.208%	1.835%	1.093%	1.419%	2.912%	1.677%	1.384%	1.424%

**ENROLLMENT PROJECTION**

Four sets of enrollment projections (most likely, low, moderate, and high) have been developed after analyzing the data collected in this report. The most likely projections indicate a decrease of 360 students (or approximately 7%) from the 2015-16 to the 2025-26 school year. The following tables and graph illustrate projected enrollments by grade and by grade group through the 2025-26 school year.

**Wellesley Public Schools  
Projected Enrollment**

Grade	2015-16 Actual	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	324	296	318	304	318	315	315	315	315	315	315
1	365	354	321	346	328	346	340	340	340	340	340
2	410	383	369	333	358	340	358	352	352	352	352
3	406	422	390	375	339	366	349	366	360	360	360
4	394	416	427	397	381	345	372	353	372	365	365
5	408	398	418	427	397	381	346	373	355	373	365
6	363	396	382	401	414	384	371	336	362	344	362
7	416	355	388	374	392	405	376	363	328	354	336
8	374	411	351	383	369	387	400	371	358	324	350
9	384	385	423	361	394	380	399	411	382	369	334
10	398	382	382	420	359	391	377	396	408	379	366
11	354	392	375	376	413	352	384	371	389	401	372
12	379	352	389	372	373	410	350	381	368	386	398
<b>K - 12 Total</b>	<b>4,975</b>	<b>4,942</b>	<b>4,933</b>	<b>4,869</b>	<b>4,835</b>	<b>4,802</b>	<b>4,737</b>	<b>4,728</b>	<b>4,689</b>	<b>4,662</b>	<b>4,615</b>

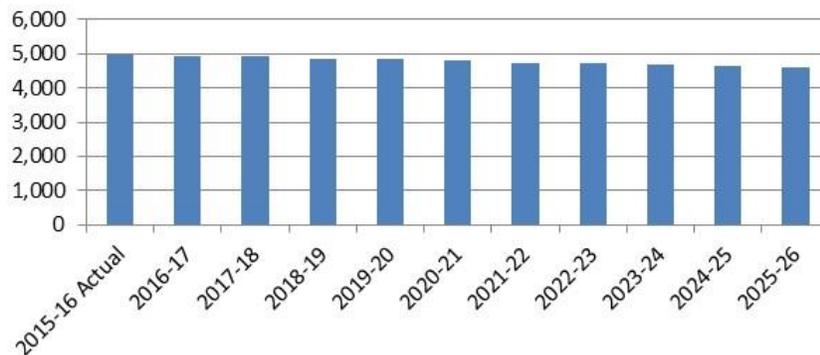
Source: FutureThink

**Wellesley Public Schools  
Projected Enrollment by Grade Group**

Grade	2015-16 Actual	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K - 5	2,307	2,269	2,243	2,182	2,121	2,093	2,080	2,099	2,094	2,105	2,097
6 - 8	1,153	1,162	1,121	1,158	1,175	1,176	1,147	1,070	1,048	1,022	1,048
9 - 12	1,515	1,511	1,569	1,529	1,539	1,533	1,510	1,559	1,547	1,535	1,470
<b>K - 12 Total</b>	<b>4,975</b>	<b>4,942</b>	<b>4,933</b>	<b>4,869</b>	<b>4,835</b>	<b>4,802</b>	<b>4,737</b>	<b>4,728</b>	<b>4,689</b>	<b>4,662</b>	<b>4,615</b>

Source: FutureThink

**Wellesley Public Schools  
Projected Enrollment - Most Likely**



**Historical & Projected Enrollment by School**

The following charts illustrate the historical enrollment and most likely projections of each elementary school.

**Bates Elementary School  
Historical Enrollment**

Grade	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
K	67	67	68	62	59	62	56	62	49	61
1	62	80	70	73	58	59	66	64	69	57
2	50	62	79	68	78	59	62	68	69	69
3	58	50	66	74	68	80	60	64	65	71
4	62	62	50	68	75	64	79	64	68	65
5	55	59	60	47	68	72	64	73	64	68
K - 5 Total	354	380	393	392	406	396	387	395	384	391

Source: Wellesley Public Schools

**Bates Elementary School  
Projected Enrollment - Most Likely**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	50	54	51	54	53	53	53	53	53	53
1	70	57	61	58	61	60	60	60	60	60
2	60	73	59	63	60	63	62	62	62	62
3	70	60	73	59	64	61	64	63	63	63
4	74	72	62	75	61	66	63	66	65	65
5	65	74	72	62	75	61	66	63	66	65
K - 5 Total	389	390	378	371	374	364	368	367	369	368

Source: FutureThink

**Fiske Elementary School  
Historical Enrollment**

Grade	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
K	54	56	65	53	61	56	57	42	53	41
1	61	66	61	67	52	59	52	64	53	57
2	49	63	66	66	68	51	57	56	63	57
3	60	52	69	60	62	68	49	58	60	63
4	55	62	56	72	60	62	63	51	59	63
5	51	54	65	57	70	61	57	63	55	61
K - 5 Total	330	353	382	375	373	357	335	334	343	342

Source: Wellesley Public Schools

Fiske Elementary School  
Projected Enrollment - Most Likely

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	43	46	44	46	45	45	45	45	45	45
1	45	47	51	48	51	50	50	50	50	50
2	59	47	48	52	49	52	51	51	51	51
3	58	60	47	49	52	50	52	52	52	52
4	66	60	62	49	50	54	52	54	53	53
5	66	68	62	64	51	52	56	54	56	55
K - 5 Total	337	328	314	308	298	303	306	306	307	306

Source: FutureThink

Hardy Elementary School  
Historical Enrollment

Grade	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
K	41	56	48	43	47	47	57	45	40	49
1	47	42	60	49	48	53	53	52	54	41
2	47	50	48	58	51	48	48	54	55	52
3	56	44	50	46	59	57	49	50	60	55
4	43	58	48	48	45	62	57	46	53	59
5	51	46	59	48	46	44	64	59	44	53
K - 5 Total	285	296	313	292	296	311	328	306	306	309

Source: Wellesley Public Schools

Hardy Elementary School  
Projected Enrollment - Most Likely

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	41	44	42	44	44	44	44	44	44	44
1	52	43	46	44	46	46	46	46	46	46
2	42	53	44	47	45	47	46	46	46	46
3	55	44	55	45	49	47	49	48	48	48
4	55	55	44	55	45	49	46	49	48	48
5	60	56	55	44	55	46	49	47	49	48
K - 5 Total	305	295	286	279	284	279	280	280	281	280

Source: FutureThink

Hunnewell Elementary School  
Historical Enrollment

Grade	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
K	41	56	44	41	45	37	42	44	42	41
1	61	46	63	43	48	51	38	44	46	42
2	61	64	47	58	47	50	54	44	47	46
3	52	63	64	45	60	49	52	55	46	45
4	50	54	61	59	48	62	51	58	52	45
5	60	45	55	61	59	53	61	54	57	53
K - 5 Total	325	328	334	307	307	302	298	299	290	272

Source: Wellesley Public Schools

Hunnewell Elementary School  
Projected Enrollment - Most Likely

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	37	39	37	39	39	39	39	39	39	39
1	43	38	41	39	41	40	40	40	40	40
2	44	45	39	43	40	43	42	42	42	42
3	47	45	45	40	43	41	43	42	42	42
4	46	48	46	46	41	44	42	44	43	43
5	46	47	48	46	46	41	44	42	44	43
K - 5 Total	263	262	256	253	250	248	250	249	250	249

Source: FutureThink

Schofield Elementary School  
Historical Enrollment

Grade	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
K	61	49	60	56	48	60	54	63	59	53
1	75	65	53	66	54	50	62	63	63	62
2	66	73	69	47	66	52	56	65	59	68
3	56	67	75	73	51	66	55	56	67	65
4	70	55	68	70	69	48	63	56	52	65
5	53	69	54	62	71	67	51	62	50	55
K - 5 Total	381	378	379	374	359	343	341	365	350	368

Source: Wellesley Public Schools

Schofield Elementary School  
Projected Enrollment - Most Likely

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	49	53	51	53	52	52	52	52	52	52
1	57	53	57	54	57	56	56	56	56	56
2	65	59	55	59	56	59	58	58	58	58
3	72	68	62	58	62	59	62	61	61	61
4	63	69	66	60	56	60	57	60	59	59
5	65	63	69	66	60	56	60	57	60	59
K - 5 Total	371	365	360	350	343	342	345	344	346	345

Source: FutureThink

Sprague Elementary School  
Historical Enrollment

Grade	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
K	64	67	71	65	62	49	57	62	57	58
1	70	66	73	73	65	73	54	61	65	61
2	67	67	67	76	67	65	74	55	71	70
3	61	73	73	68	72	72	65	78	52	69
4	58	63	71	71	68	74	72	68	86	57
5	74	63	67	75	69	69	72	75	69	83
K - 5 Total	394	399	422	428	403	402	394	399	400	398

Source: Wellesley Public Schools

**Sprague Elementary School  
Projected Enrollment - Most Likely**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	50	54	52	54	54	54	54	54	54	54
1	63	54	58	55	58	57	57	57	57	57
2	66	67	58	62	59	62	61	61	61	61
3	70	65	67	57	62	59	62	61	61	61
4	74	74	69	71	61	66	62	66	64	64
5	57	74	74	69	70	61	66	62	66	64
<b>K - 5 Total</b>	<b>380</b>	<b>388</b>	<b>378</b>	<b>368</b>	<b>364</b>	<b>359</b>	<b>362</b>	<b>361</b>	<b>363</b>	<b>361</b>

Source: FutureThink

**Upham Elementary School  
Historical Enrollment**

Grade	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
K	34	42	38	32	32	42	29	45	36	21
1	47	44	42	42	34	36	40	38	45	45
2	41	49	39	41	42	37	38	42	35	48
3	46	46	49	41	39	46	35	38	43	38
4	43	45	45	51	41	41	48	33	39	40
5	40	46	45	46	44	42	36	47	35	35
<b>K - 5 Total</b>	<b>251</b>	<b>272</b>	<b>258</b>	<b>253</b>	<b>232</b>	<b>244</b>	<b>226</b>	<b>243</b>	<b>233</b>	<b>227</b>

Source: Wellesley Public Schools

**Upham Elementary School  
Projected Enrollment - Most Likely**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	26	28	27	28	28	28	28	28	28	28
1	24	29	32	30	32	31	31	31	31	31
2	47	25	30	32	31	32	32	32	32	32
3	50	48	26	31	34	32	34	33	33	33
4	38	49	48	25	31	33	31	33	33	33
5	39	36	47	46	24	29	32	30	32	31
<b>K - 5 Total</b>	<b>224</b>	<b>215</b>	<b>210</b>	<b>192</b>	<b>180</b>	<b>185</b>	<b>188</b>	<b>187</b>	<b>189</b>	<b>188</b>

Source: FutureThink

In addition to the most likely enrollment projection, following are low, moderate, and high enrollment projections. The following defines in terms of economy and housing, the differences between the projections.

**Low Projection**

- Higher inflation/interest rates than current market
- Approximately 70-75 demolition and new single-family permits per year

**Moderate Projection**

- Steady inflation/interest rates (similar to current market conditions)
- Approximately 75-85 demolition and new single-family permits per year

**Most Likely Projection**

- Steady inflation/interest rates (similar to current market conditions)
- Approximately 85-95 demolition and new single-family permits per year

**High Projection**

- Lower inflation/interest rates than current market
- Approximately 95-100 demolition and new single-family permits per year

The projections range from a low of 4,252 students to a high of 4,834 students in the 2025-26 school year.

**Low Projection**

The low projection indicates a decrease of 723 students, or approximately 15%, over the next ten years.

**Wellesley Public Schools  
Projected Enrollment - Low**

Grade	2015-16 Actual	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	324	288	311	295	311	305	305	305	305	305	305
1	365	348	308	331	315	331	325	325	325	325	325
2	410	375	356	313	337	320	337	333	333	333	333
3	406	418	380	360	315	340	323	340	335	335	335
4	394	409	415	378	358	315	339	324	339	335	335
5	408	392	406	410	373	355	311	337	321	337	331
6	363	393	377	392	401	369	350	307	331	314	331
7	416	354	383	368	382	390	360	341	299	323	307
8	374	410	349	377	362	376	384	354	335	294	317
9	384	376	412	350	379	364	377	386	356	337	296
10	398	376	368	403	343	371	356	370	378	349	330
11	354	390	368	360	394	335	363	348	361	370	341
12	379	351	385	364	356	390	332	359	344	357	366
<b>K - 12 Total</b>	<b>4,975</b>	<b>4,880</b>	<b>4,818</b>	<b>4,701</b>	<b>4,626</b>	<b>4,561</b>	<b>4,462</b>	<b>4,429</b>	<b>4,362</b>	<b>4,314</b>	<b>4,252</b>

Source: FutureThink

**Wellesley Public Schools  
Projected Enrollment by Grade Group - Low**

Grade	2015-16 Actual	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K - 5	2,307	2,230	2,176	2,087	2,009	1,966	1,940	1,964	1,958	1,970	1,964
6 - 8	1,153	1,157	1,109	1,137	1,145	1,135	1,094	1,002	965	931	955
9 - 12	1,515	1,493	1,533	1,477	1,472	1,460	1,428	1,463	1,439	1,413	1,333
<b>K - 12 Total</b>	<b>4,975</b>	<b>4,880</b>	<b>4,818</b>	<b>4,701</b>	<b>4,626</b>	<b>4,561</b>	<b>4,462</b>	<b>4,429</b>	<b>4,362</b>	<b>4,314</b>	<b>4,252</b>

Source: FutureThink

The low projections by school follow.

**Bates Elementary School  
Projected Enrollment - Low**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	49	53	50	53	52	52	52	52	52	52
1	69	55	59	56	59	58	58	58	58	58
2	59	71	57	61	58	61	60	60	60	60
3	70	60	72	57	61	58	61	60	60	60
4	72	70	60	72	57	62	59	62	61	61
5	65	72	70	60	72	57	62	59	62	61
K - 5 Total	384	381	368	359	359	348	352	351	353	352

Source: FutureThink

**Fiske Elementary School  
Projected Enrollment - Low**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	42	45	43	45	44	44	44	44	44	44
1	44	44	47	45	47	47	47	47	47	47
2	58	44	44	48	45	48	47	47	47	47
3	58	58	45	45	48	46	48	47	47	47
4	65	59	60	46	46	49	47	49	49	49
5	64	66	60	61	46	46	50	47	50	49
K - 5 Total	331	316	299	290	276	280	283	281	284	283

Source: FutureThink

**Hardy Elementary School  
Projected Enrollment - Low**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	40	43	41	43	43	43	43	43	43	43
1	51	42	45	43	45	44	44	44	44	44
2	41	51	41	44	42	44	44	44	44	44
3	54	42	52	42	45	43	45	45	45	45
4	55	53	41	51	42	45	43	45	44	44
5	59	55	53	41	51	42	45	43	45	44
K - 5 Total	300	286	273	264	268	261	264	264	265	264

Source: FutureThink

**Hunnewell Elementary School  
Projected Enrollment - Low**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	35	38	36	38	37	37	37	37	37	37
1	42	36	39	37	39	38	38	38	38	38
2	44	44	37	40	38	40	40	40	40	40
3	47	44	44	37	40	38	40	40	40	40
4	44	45	43	43	36	39	37	39	39	39
5	45	44	45	42	42	36	39	37	39	38
<b>K - 5 Total</b>	<b>257</b>	<b>251</b>	<b>244</b>	<b>237</b>	<b>232</b>	<b>228</b>	<b>231</b>	<b>231</b>	<b>233</b>	<b>232</b>

Source: FutureThink

**Schofield Elementary School  
Projected Enrollment - Low**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	47	51	48	51	50	50	50	50	50	50
1	56	49	53	51	53	52	52	52	52	52
2	63	57	50	54	51	54	53	53	53	53
3	70	65	58	51	55	52	55	54	54	54
4	62	67	61	55	48	52	50	52	51	51
5	64	61	65	60	54	47	51	49	51	50
<b>K - 5 Total</b>	<b>362</b>	<b>350</b>	<b>335</b>	<b>322</b>	<b>311</b>	<b>307</b>	<b>311</b>	<b>310</b>	<b>311</b>	<b>310</b>

Source: FutureThink

**Sprague Elementary School  
Projected Enrollment - Low**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	49	53	51	53	52	52	52	52	52	52
1	62	53	57	54	57	56	56	56	56	56
2	64	65	55	59	56	59	58	58	58	58
3	70	64	64	54	59	56	59	58	58	58
4	73	73	67	67	57	61	58	61	60	60
5	57	72	72	66	67	56	61	58	61	60
<b>K - 5 Total</b>	<b>375</b>	<b>380</b>	<b>366</b>	<b>353</b>	<b>348</b>	<b>340</b>	<b>344</b>	<b>343</b>	<b>345</b>	<b>344</b>

Source: FutureThink

**Upham Elementary School  
Projected Enrollment - Low**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	26	28	26	28	27	27	27	27	27	27
1	24	29	31	29	31	30	30	30	30	30
2	46	24	29	31	30	31	31	31	31	31
3	49	47	25	29	32	30	32	31	31	31
4	38	48	46	24	29	31	30	31	31	31
5	38	36	45	43	23	27	29	28	29	29
<b>K - 5 Total</b>	<b>221</b>	<b>212</b>	<b>202</b>	<b>184</b>	<b>172</b>	<b>176</b>	<b>179</b>	<b>178</b>	<b>179</b>	<b>179</b>

Source: FutureThink

**Moderate Projection**

The moderate projection indicates a decrease of 509 students, or approximately 10%, over the next ten years.

**Wellesley Public Schools  
Projected Enrollment - Moderate**

Grade	2015-16 Actual	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	324	292	315	299	315	310	310	310	310	310	310
1	365	353	314	338	322	338	334	334	334	334	334
2	410	383	366	326	352	335	352	346	346	346	346
3	406	420	388	372	331	357	338	357	352	352	352
4	394	414	422	391	375	335	360	344	360	354	354
5	408	395	412	421	389	375	334	359	341	359	352
6	363	395	379	395	406	377	363	324	349	332	349
7	416	355	385	370	385	396	368	354	316	341	324
8	374	411	350	380	365	380	391	363	349	312	337
9	384	381	418	357	387	372	387	398	370	356	318
10	398	379	376	412	351	381	366	381	392	364	350
11	354	392	372	369	405	345	375	360	375	386	358
12	379	351	388	369	366	401	342	371	356	371	382
<b>K - 12 Total</b>	<b>4,975</b>	<b>4,921</b>	<b>4,885</b>	<b>4,799</b>	<b>4,749</b>	<b>4,702</b>	<b>4,620</b>	<b>4,601</b>	<b>4,550</b>	<b>4,517</b>	<b>4,466</b>

Source: FutureThink

**Wellesley Public Schools  
Projected Enrollment by Grade Group - Moderate**

Grade	2015-16 Actual	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K - 5	2,307	2,257	2,217	2,147	2,084	2,050	2,028	2,050	2,043	2,055	2,048
6 - 8	1,153	1,161	1,114	1,145	1,156	1,153	1,122	1,041	1,014	985	1,010
9 - 12	1,515	1,503	1,554	1,507	1,509	1,499	1,470	1,510	1,493	1,477	1,408
<b>K - 12 Total</b>	<b>4,975</b>	<b>4,921</b>	<b>4,885</b>	<b>4,799</b>	<b>4,749</b>	<b>4,702</b>	<b>4,620</b>	<b>4,601</b>	<b>4,550</b>	<b>4,517</b>	<b>4,466</b>

Source: FutureThink

The moderate projections by school follow.

**Bates Elementary School**  
**Projected Enrollment - Moderate**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	50	54	51	54	53	53	53	53	53	53
1	70	56	61	58	61	60	60	60	60	60
2	60	72	58	63	60	63	62	62	62	62
3	70	60	73	59	64	60	64	63	63	63
4	74	72	62	75	61	65	62	65	64	64
5	65	74	72	62	75	61	65	62	65	64
K - 5 Total	389	388	377	371	374	362	366	365	367	366

Source: FutureThink

**Fiske Elementary School**  
**Projected Enrollment - Moderate**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	42	45	43	45	44	44	44	44	44	44
1	45	46	49	47	49	48	48	48	48	48
2	59	47	47	50	48	50	50	50	50	50
3	58	59	47	47	51	48	51	50	50	50
4	65	59	61	48	48	52	50	52	51	51
5	64	66	60	61	49	49	53	50	53	52
K - 5 Total	333	322	307	298	289	291	296	294	296	295

Source: FutureThink

**Hardy Elementary School**  
**Projected Enrollment - Moderate**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	40	43	41	43	43	43	43	43	43	43
1	52	42	45	43	45	45	45	45	45	45
2	42	52	43	46	44	46	45	45	45	45
3	54	43	54	44	47	45	47	47	47	47
4	55	54	43	54	44	47	45	47	46	46
5	59	55	54	43	54	44	47	45	47	46
K - 5 Total	302	289	280	273	277	270	272	272	273	272

Source: FutureThink

**Hunnewell Elementary School**  
**Projected Enrollment - Moderate**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	35	38	36	38	38	38	38	38	38	38
1	43	36	39	37	39	39	39	39	39	39
2	44	45	38	41	39	41	40	40	40	40
3	47	45	45	38	41	39	41	41	41	41
4	46	47	45	45	39	42	40	42	41	41
5	46	46	48	46	46	39	42	40	42	41
<b>K - 5 Total</b>	<b>261</b>	<b>257</b>	<b>251</b>	<b>245</b>	<b>242</b>	<b>238</b>	<b>240</b>	<b>240</b>	<b>241</b>	<b>240</b>

Source: FutureThink

**Schofield Elementary School**  
**Projected Enrollment - Moderate**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	49	53	51	53	52	52	52	52	52	52
1	57	52	56	54	56	55	55	55	55	55
2	65	59	55	59	56	59	58	58	58	58
3	71	68	61	57	61	58	61	60	60	60
4	63	68	65	59	54	59	56	59	58	58
5	65	62	67	64	58	54	58	55	58	57
<b>K - 5 Total</b>	<b>370</b>	<b>362</b>	<b>355</b>	<b>346</b>	<b>337</b>	<b>337</b>	<b>340</b>	<b>339</b>	<b>341</b>	<b>340</b>

Source: FutureThink

**Sprague Elementary School**  
**Projected Enrollment - Moderate**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	50	54	51	54	53	53	53	53	53	53
1	62	53	57	54	57	56	56	56	56	56
2	66	66	56	61	58	61	60	60	60	60
3	70	65	66	56	60	57	60	59	59	59
4	73	73	68	69	59	63	60	63	62	62
5	57	73	73	68	69	58	63	60	63	62
<b>K - 5 Total</b>	<b>378</b>	<b>384</b>	<b>371</b>	<b>362</b>	<b>356</b>	<b>348</b>	<b>352</b>	<b>351</b>	<b>353</b>	<b>352</b>

Source: FutureThink

**Upham Elementary School**  
**Projected Enrollment - Moderate**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	26	28	26	28	27	27	27	27	27	27
1	24	29	31	29	31	31	31	31	31	31
2	47	25	29	32	30	32	31	31	31	31
3	50	48	26	30	33	31	33	32	32	32
4	38	49	47	25	30	32	31	32	32	32
5	39	36	47	45	24	29	31	29	31	30
<b>K - 5 Total</b>	<b>224</b>	<b>215</b>	<b>206</b>	<b>189</b>	<b>175</b>	<b>182</b>	<b>184</b>	<b>182</b>	<b>184</b>	<b>183</b>

Source: FutureThink

**High Projection**

The high projection indicates a decrease of 141 students, or approximately 3%, over the next ten years.

**Wellesley Public Schools  
Projected Enrollment - High**

Grade	2015-16 Actual	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	324	302	325	308	325	320	320	320	320	320	320
1	365	351	329	354	337	354	348	348	348	348	348
2	410	381	371	345	371	353	371	364	364	364	364
3	406	423	393	380	354	383	361	383	376	376	376
4	394	415	431	402	388	362	391	369	391	385	385
5	408	397	418	434	405	391	364	393	374	393	388
6	363	398	385	407	423	394	381	352	380	361	380
7	416	357	391	378	400	416	387	375	346	374	355
8	374	412	354	387	375	396	411	383	371	343	370
9	384	386	426	365	400	387	409	425	395	383	354
10	398	383	384	423	363	398	385	407	422	393	381
11	354	397	381	383	422	362	396	384	405	421	392
12	379	354	397	381	383	422	362	396	383	405	421
K - 12 Total	4,975	4,956	4,985	4,947	4,946	4,938	4,886	4,899	4,875	4,866	4,834

Source: FutureThink

**Wellesley Public Schools  
Projected Enrollment by Grade Group - High**

Grade	2015-16 Actual	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K - 5	2,307	2,269	2,267	2,223	2,180	2,163	2,155	2,177	2,173	2,186	2,181
6 - 8	1,153	1,167	1,130	1,172	1,198	1,206	1,179	1,110	1,097	1,078	1,105
9 - 12	1,515	1,520	1,588	1,552	1,568	1,569	1,552	1,612	1,605	1,602	1,548
K - 12 Total	4,975	4,956	4,985	4,947	4,946	4,938	4,886	4,899	4,875	4,866	4,834

Source: FutureThink

The high projections by school follow.

**Bates Elementary School  
Projected Enrollment - High**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	50	54	51	54	53	53	53	53	53	53
1	70	58	62	59	62	61	61	61	61	61
2	59	73	60	65	61	65	63	63	63	63
3	70	60	74	61	66	62	66	65	65	65
4	73	72	62	77	63	68	64	68	67	67
5	65	73	72	62	77	63	68	64	68	67
K - 5 Total	387	390	381	378	382	372	375	374	377	376

Source: FutureThink

**Fiske Elementary School  
Projected Enrollment - High**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	44	48	45	48	47	47	47	47	47	47
1	45	49	52	50	52	52	52	52	52	52
2	59	47	50	54	52	54	54	54	54	54
3	59	61	48	52	56	53	56	55	55	55
4	66	61	64	50	54	58	55	58	57	57
5	65	68	64	66	52	56	61	58	61	60
K - 5 Total	338	334	323	320	313	320	325	324	326	325

Source: FutureThink

**Hardy Elementary School  
Projected Enrollment - High**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	41	44	42	44	43	43	43	43	43	43
1	52	43	47	45	47	46	46	46	46	46
2	42	54	45	48	46	48	47	47	47	47
3	55	44	56	47	51	48	51	50	50	50
4	55	55	44	56	47	51	48	51	50	50
5	60	56	55	45	57	47	51	49	51	50
K - 5 Total	305	296	289	285	291	283	286	286	287	286

Source: FutureThink

**Hunnewell Elementary School  
Projected Enrollment - High**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	37	39	37	39	39	39	39	39	39	39
1	42	38	41	39	41	40	40	40	40	40
2	44	45	40	43	41	43	42	42	42	42
3	47	45	45	40	44	41	44	43	43	43
4	46	48	46	46	41	45	42	45	44	44
5	46	47	49	47	47	42	45	43	45	45
<b>K - 5 Total</b>	<b>262</b>	<b>262</b>	<b>258</b>	<b>254</b>	<b>253</b>	<b>250</b>	<b>252</b>	<b>252</b>	<b>253</b>	<b>253</b>

Source: FutureThink

**Schofield Elementary School  
Projected Enrollment - High**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	51	55	52	55	54	54	54	54	54	54
1	56	54	58	55	58	57	57	57	57	57
2	65	59	57	61	58	61	60	60	60	60
3	72	69	63	60	65	61	65	64	64	64
4	63	70	67	61	58	63	60	63	62	62
5	65	63	70	67	61	58	63	60	63	62
<b>K - 5 Total</b>	<b>372</b>	<b>370</b>	<b>367</b>	<b>359</b>	<b>354</b>	<b>354</b>	<b>359</b>	<b>358</b>	<b>360</b>	<b>359</b>

Source: FutureThink

**Sprague Elementary School  
Projected Enrollment - High**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	51	55	52	55	54	54	54	54	54	54
1	62	55	59	56	59	58	58	58	58	58
2	65	67	59	63	60	63	62	62	62	62
3	70	65	67	59	63	60	63	62	62	62
4	74	75	70	71	63	68	64	68	67	67
5	57	74	75	70	71	63	68	64	68	67
<b>K - 5 Total</b>	<b>379</b>	<b>391</b>	<b>382</b>	<b>374</b>	<b>370</b>	<b>366</b>	<b>369</b>	<b>368</b>	<b>371</b>	<b>370</b>

Source: FutureThink

**Upham Elementary School  
Projected Enrollment - High**

Grade	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	28	30	29	30	30	30	30	30	30	30
1	24	32	35	33	35	34	34	34	34	34
2	47	26	34	37	35	37	36	36	36	36
3	50	49	27	35	38	36	38	37	37	37
4	38	50	49	27	36	38	36	38	38	38
5	39	37	49	48	26	35	37	36	37	37
<b>K - 5 Total</b>	<b>226</b>	<b>224</b>	<b>223</b>	<b>210</b>	<b>200</b>	<b>210</b>	<b>211</b>	<b>211</b>	<b>212</b>	<b>212</b>

Source: FutureThink

## CONCLUSION

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**FutureThink** is confident that the enrollment of Wellesley Public Schools will decline over the next 10 years based on the following data:

- Kindergarten enrollment of the past two years is approximately 30-40 students lower than the previous years. These smaller class sizes will have significant impact on future enrollment as they move through the system. Same for first grade in 2015-16.
- Students residing in the District but attending school elsewhere has increased by 110 students from the 2010-11 to the 2015-16 school year.
- Birth counts have declined in the District.
- While the overall population of Wellesley has increased, the number of children ages 0-18 is projected to decline by 9% from 2015 to 2020 based on ESRI estimates and projections.
- The population is expected to continue to age in place. Projections for the year 2020 indicated that 39% of Wellesley will be at least 50 years old.
- Average family size is projected to remain (less than 3.3).
- Housing tear downs and new builds have been fairly consistent with a 1:1 ratio. There has been little net gain since 2009. Current projects in the pipeline are expected to have little impact. The four sets of projections address potential increases/decreases in housing development based on what has happened historically.
- Survival ratios (grade to grade movement) have been extremely stable for grades 1-12 over the past 10 years. There is no reason to think this will change.

As with any projection, the District should pay close attention to birth counts, enrollment in elementary schools, non-public school enrollment, and housing growth. Each of these factors will have an impact on future student enrollment.

**FutureThink** is pleased to have had the opportunity to provide the District with enrollment projection services. We hope this document will provide the necessary information to make informed decisions about the future of the Wellesley Public Schools.

## APPENDIX

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**FutureThink** was provided with three potential housing scenarios by the Town of Wellesley Planning Department. Each was considered for impact on enrollment. A timeline and likelihood that this type of development would occur are extremely difficult to establish. However, working under the assumption that all three occur during the ten-year window of the enrollment projections, a maximum possible impact can be determined. Following are each of the scenarios.

### Scenario 1 – 40 B Exposure/Compliance

The minimum exposure to the Town would be the development of 400 SHI-qualifying units. The total number of housing units would increase to 9,490, and the total SHI units would increase to 961, bringing the affordable /SHI units to 10.12 percent. These would presumably be multi-family attached units.

The maximum exposure to the Town would be the development 600 SHI-qualifying units. The total number of housing units would increase to 11,490, and the total SHI units would increase to 1,161, bringing the affordable /SHI units to 10.1 percent. These would presumably be multi-family attached units.

### Scenario 2 – Single Family Residential Growth Potential

Based on analysis of existing lots within the Single Residence District and Single Residence District A, it has been determined that it is possible for 327 net new single family lots to be created. By school district, they are:

- Bates – 15
- Fiske – 79
- Hardy – 22
- Hunnewell – 91
- Schofield – 51
- Sprague – 46
- Upham - 23

### Scenario 3 – Multi- Family Residential Growth Potential

Based a review of existing lots within the districts allowing for multi-family dwelling units, along with the age of existing buildings, the existing use of properties, and recent inquiries, it is possible that the development/redevelopment of properties based on existing zoning would allow for the creation of 259 net new multi-family dwelling units. By school district, they are:

Bates – 0  
Fiske – 142  
Hardy – 0  
Hunnewell – 28  
Schofield – 50  
Sprague – 39  
Upham - 0

### Enrollment Impact Analysis

Based on the national average, a new single family home yields  $\frac{1}{2}$  of a K-12 public student. A new multi-family unit yields  $\frac{1}{4}$  of a K-12 public student. Based on these averages, the scenarios may have the following impact on District enrollment.

Scenario 1 – 400-600 new multi-family units: 100-150 new students

Scenario 2 – 327 new single family units: 164 new students

Scenario 3 – 259 new multi-family units: 65 new students

Assuming all three of these scenario occur within the next 10 years, there is the potential of an additional 329-379 new students. If the number of new students is added to the most likely projection of 4,615 in the 2025-26 school year, it would result in between 4,944 and 4,994 students or roughly the same as the current 2015-16 school enrollment.