



3/30/2017

2016 Preliminary Enrollment Projection

Public Schools of Brookline, MA

Enrollment Working Group

2016 Preliminary Enrollment Projection

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Table of Contents

INTRODUCTION	2
Overview of Report	2
Enrollment Working Group	2
Enrollment Projections	3
Historic Context.....	3
Ten Year Enrollment Projections	7
Brookline Births per Year	8
Historical Birth-to-K Progression Rates	9
Residential Zoning & Permitting	10
Number of Housing Units Stable Since 2000	10
Future Development	11
New Housing/Development Projection Model.....	11
Summary of School Buildings	15
School Boundary Assignments.....	16
History of Buffer Zones.....	16
Census Data.....	16
Tuition and METCO Students	18
Enrollment Projection - Detail.....	20
Additional Charts/Tables	21
Brookline School Enrollment – District.....	21
Brookline School Progression Rates – District.....	22
Brookline School Enrollment – By School.....	23
Future Reports	26

INTRODUCTION

Overview of Report

The 2016 Preliminary Enrollment Report (K-12) is the first formal enrollment report generated by the Public Schools of Brookline under a staff Enrollment Working Group set up by the Superintendent of Schools. The goal and purpose of this report is to provide various town planners with student projections as it may relate to their department, and for future capital improvement and infrastructure planning. The report attempts to begin to be responsive to the many questions and concerns regarding the dramatic enrollment growth that has occurred over the last ten years and is anticipated to continue over the next ten years.

The report and its content will continue to be updated as more student based information and data becomes available. The report does not account for in/out migration, as the data is not collected and retained other than Department of Elementary and Secondary Education (DESE) and not by individual student or address at this point. Monitoring the DESE provided data of our Student Information Reporting will assist us for the near future. Long-term support and communication to residents to complete the Town Census for ages birth through age 4 will begin to provide reliable kindergarten projections in the future and assist with in/out migration information of older students.

There are additional unanswered questions that this report cannot address, particularly regarding future development of existing single-family homes into multi-unit condominiums as well as larger multi-family development that has not yet been identified. It is the recommendation of members of the Enrollment Working Group that this report be used only to provide the base student enrollment projection. The inclusion and analysis of housing changes in Brookline is a separate report of data that this report would use to continue developing a model for projecting the number of students due to housing development (t-District, Condo Conversion, 40B, Rental Unit to Condo Conversion, etc.).

Enrollment Working Group

The membership of the internal Staff Working Group and contributors to this report includes representatives from the following departments:

School Department

Andrew Bott, Superintendent
Mary Ellen Dunn, Deputy Supt for Administration and Finance (primary author)
Ben Lummis, Special Assistant for Strategy & Performance
Charles Chang, Manager of Data Systems & Applications
Beth McDonald, Administrative Assistant, Administration & Finance Office
Janice McHugh, Administrative Assistant formerly to the Superintendent
Ruth Quinn Berdell, Consultant (demographer)
Joe Connelly, Consultant

Assessor's Department

Gary McCabe, Chief Assessor
Hinlan Wong, Assistant Assessor/Data Specialist

Town Information Technology

Jed Fehrenbach, GIS Administrator

Planning and Community Development

Kara Brewton, Economic Development Director
Evan Lehrer, Economic Development & Long-Term Planner

Enrollment Projections

Historic Context

The Enrollment report includes actual student enrollment from 76-77 School Year through 9/30/2016, and projection of enrollment through September 30, 2027. The Total Enrollment charts below show the actual enrollment projection over time. There are two projections shown to separate enrollment with or without new known development. The enrollment projection does not yet include the impact of single family housing converted to multi-family housing units. It does include estimated enrollment for known filed developments over 12 units in the projection.

The Enrollment Projection without new development (orange) shows a three year average of births and the five year progression rate (cohort survival rate). 2026-2027 begins to show the impact of a flat birth rate (630) and the five year progression rate (.96). Each year the ten year projection out will be adjusted to the calculated three year flat birth rate average and the five year progression rate.

Progression Rates: Progression rates from birth to K are comparison of current Kindergarten enrollment to births to mothers residing in the Town of Brookline. Generally, the progression rate is the net result of new residents to the town, individuals moving out of town, children attending private school, and children with a delayed entry into Kindergarten. Progression Rates for all other grades, is the comparison of the grade enrollment with the corresponding cohort from the prior year; it is the net of the in and out migration and grade retention.

The Enrollment Projection with new development (green) shows a three year average of births and an adjustment to the five year progression rate due to new housing units being added to the current population.

The gap between the enrollment with and without new development is the area where planning needs to focus for future program, infrastructure, and physical plant needs. In addition, data collection tools need to be developed to monitor in and out migration of students. DESE is monitoring the rate, but the district has not collected data on these students and their addresses to know if we have a net change in housing or an increase in housing units with students residing in the district.

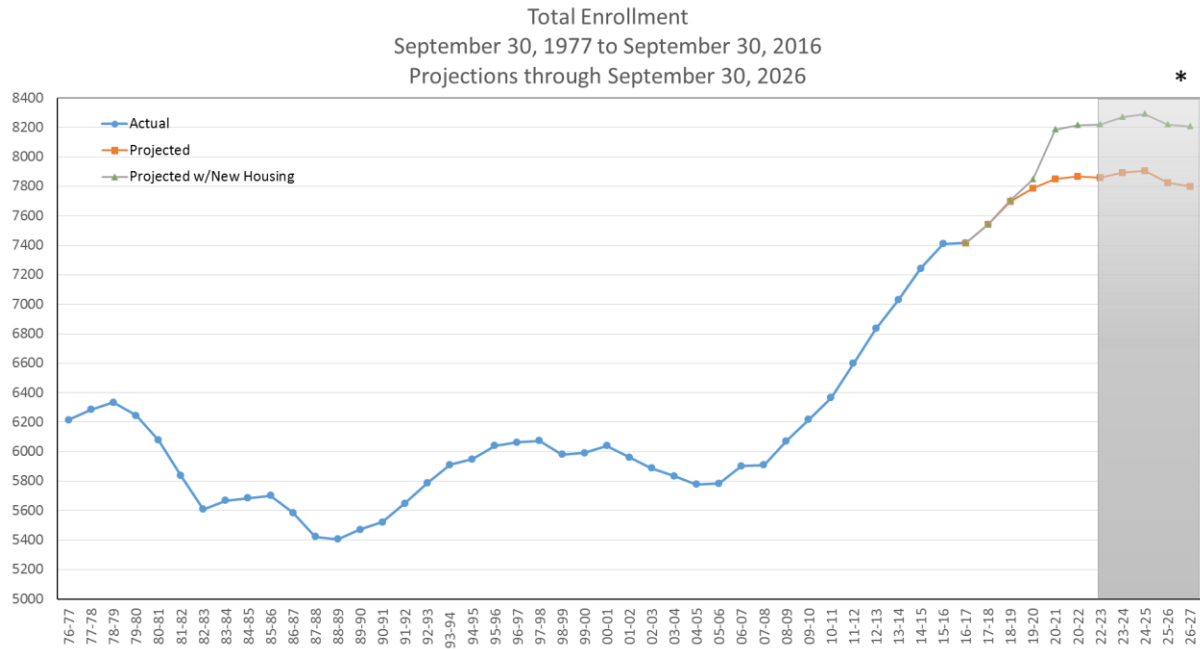
Total Enrollment

The enrollment projection includes the DESE Certified Enrollment as of October 1, and the projected enrollment from filed new housing developments. It assumes no growth or change in total number of METCO or Materials Fees students; a 5 year average progression rate, and a 3 year average for birth rates. The Birth Rate and Progression Rate detail are located towards the end of the enrollment projection section. The School-by-School enrollment projections are at the end of the document and assume current practice of student distribution with no boundary changes or alterations to the existing student population.

As you view the enrollment charts, keep in mind that the School District has built and or is leasing a total of 55 K-8 classrooms since 2008.¹ We are expanding into 9 more (4 elementary and 5 high school for SY 17-18). There are an additional 4 BHS spaces that will be activated into classroom spaces in SY 18-19 that have yet to be identified.

¹

http://brookline.k12.ma.us/cms/lib8/MA01907509/Centricity/Domain/712/Joint_Board_Presentation_6.07.2016.pdf; page 11



Blue: Actual

Orange: Projected without new Development

Green: projection with new Development

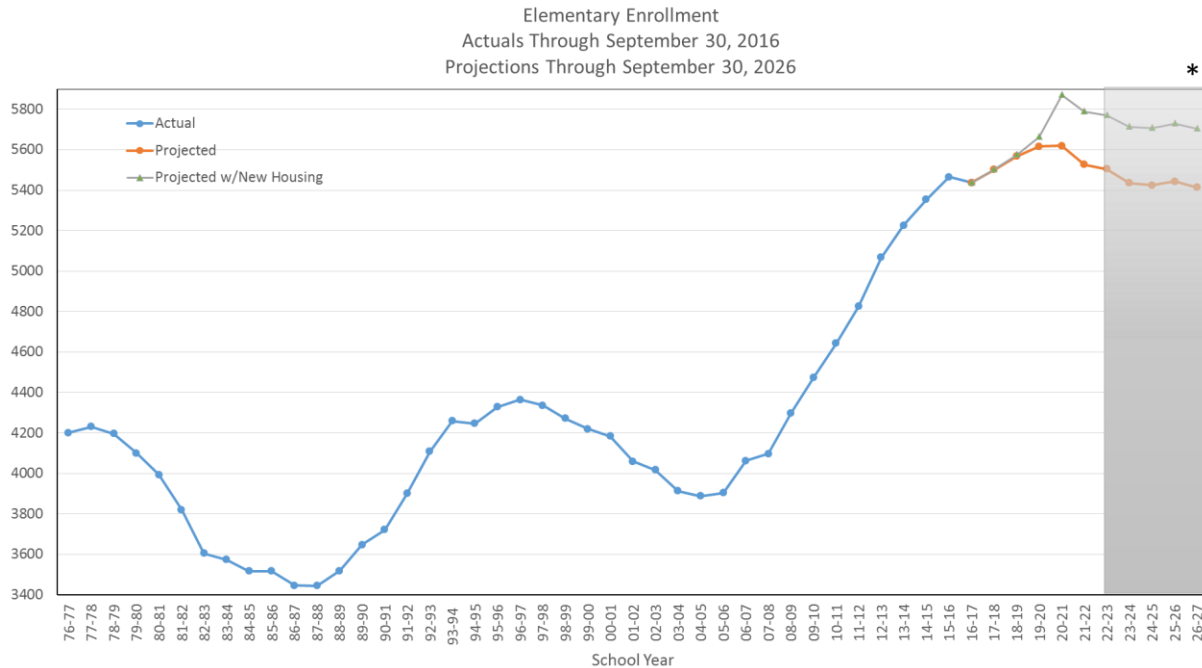
*Continued improvements in the response rate to the Town Census from birth to age five will improve the ten-year projection accuracy. The methodology in use employs a natural progression tool, that results in a fall-off of students which may or may not reflect actual experience ten years in the future.

School Year	Enrollment Total including New Development	Enrollment Without New Development
2008	5,919	
SY16-17	7,417	
SY18-19	7,696	
SY20-21	8,126	7,838

Please keep in mind, as you look at the next two charts, that the School District has built and/or is leasing 55 classrooms since 2008. We are expanding into 9 more (4 elementary and 5 high school for SY 17-18).

The district has already absorbed 1,498 students within its 9 schools. Most of the enrollment growth has initially occurred at the elementary level.

Elementary Enrollment



Blue: Actual

Orange: Projected without new Development

Green: projection with new Development

*School Year 2022-2023 is the first year that enrollment projections are based on a projected birth rate, as students are not born yet. Kindergarten enrollment for FY18 through FY22 is based on actual births. Kindergarten enrollment for FY23 through FY27 is based on 630 projected births, which is the average over the last three years.

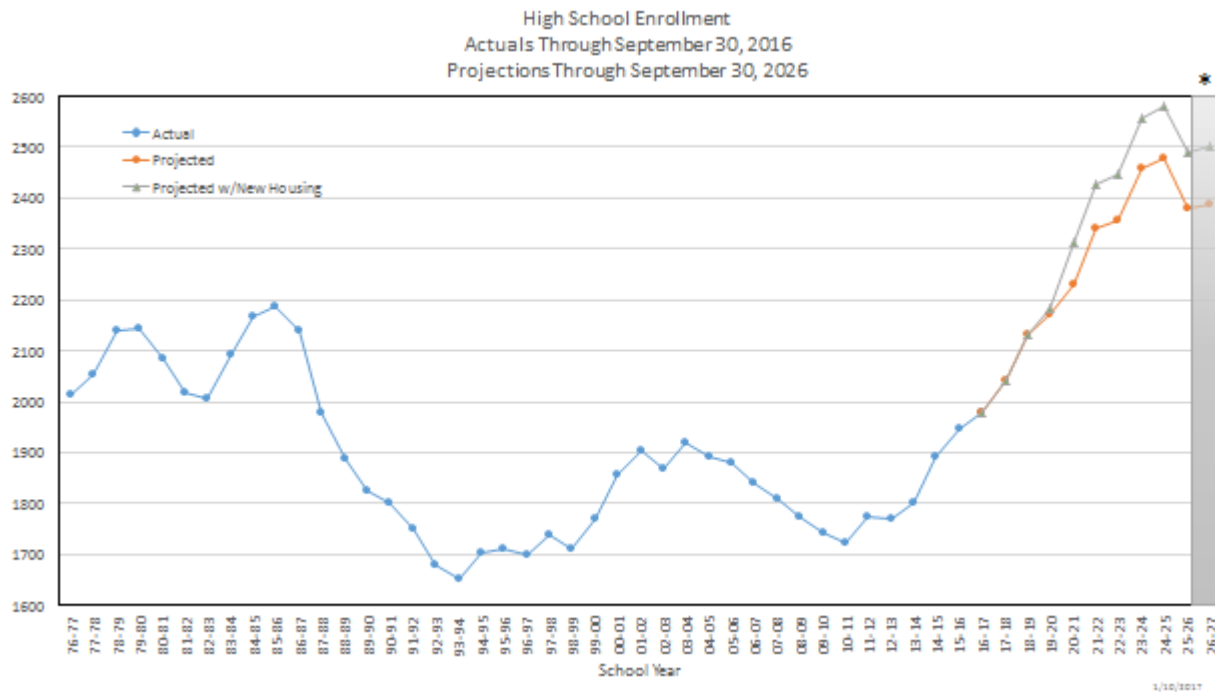
School Year	Enrollment Total including New Development	Enrollment Without New Development
2008	4,105	
SY16-17	5,437	
SY18-19	5,575	
SY20-21	5,870	5,578
SY26-27	5,704	5,262

Without any development, the projection shows a reduction of 175 students over SY 16-17. However, due to the ten year span there is the potential for a 617 student variance depending on when development is completed and student population rises or shifts. This variance is a function of the modeling and the fact that the projection is based on an average birth rate due to students not yet born. The average birth rate used is 630 and the Progression Rate is 0.96. As the enrollment projection is completed each year, the district will be able to monitor year-to-year accuracy of the projection.

The district has already absorbed 1,332 students within its 8 elementary schools. In recent years, the district has worked to achieve an average class size of 21/22. In addition, School Department updated The School Facilities Inventory and Capital Improvement Plan, which will begin to show the stress points within the existing

infrastructure that, cannot sustain additional students without class size growing. While leasing classroom space continues to be considered, the district is opening a new Devotion School in fall of 2018 with the capacity of 1,050.

High School Enrollment



Blue: Actual

Orange: Projected without new Development

Green: projection with new Development

*The current year Kindergarten enrollment of 582, which is below the recent historic average, enters the High School in School Year 2025 – 2026, which accounts for the dip in enrollment for that year. School Year 2026 – 2027 has a small rise because the average birth rates are used which are higher than the current Kindergarten enrollment.

School Year	Enrollment Total including New Development	Enrollment Total Without New Development
2008	1,814	
SY16-17	1,980	
SY18-19	2,152	
SY20-21	2,313	2,232
SY26-27	2,500	2,389

The School District has already removed offices from the High School to gain nine (9) classrooms. The district has already absorbed 166 students within the building and is anticipating the arrival of K-8 students already enrolled moving through the system. The School Facilities Inventory and CIP will begin to show the stress points within the existing infrastructure that cannot sustain additional students without class size growing. We are already beginning to see it with larger class size in course sections.

Ten Year Enrollment Projections

Progression Rates

<u>Grade</u>	<u>Progression Rate</u>
K	0.96
1	1.02
2	0.98
3	1.01
4	0.98
5	0.99
6	0.99
7	0.97
8	0.99
9	1.01
10	1.03
11	0.98
12	1.00

Progression rates based on five year average

Ten Year Enrollment Projection

Kindergarten enrollment for FY18 through FY22 based on actual births. Kindergarten enrollment for FY23 through FY27 based on 630 projected births which is the average over the last three years.

<u>Grade (A)</u>	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	<u>FY26</u>	<u>FY27</u>
K	582	638	679	627	638	624	640	640	640	640	640
1	627	594	652	696	657	651	636	653	653	653	653
2	678	614	583	644	706	644	638	623	640	640	640
3	633	685	621	593	670	713	650	644	629	646	646
4	677	620	672	614	610	657	699	637	631	616	633
5	584	670	615	669	630	604	650	692	631	625	610
6	549	578	664	613	681	624	598	644	685	625	619
7	576	533	561	648	615	661	605	580	625	664	606
8	531	570	528	558	663	609	654	599	574	619	657
Subtotal	5,437	5,502	5,575	5,662	5,870	5,787	5,770	5,712	5,708	5,728	5,704
9	500	536	576	536	583	670	615	661	605	580	625
10	509	515	552	595	565	600	690	633	681	623	597
11	492	499	505	545	604	554	588	676	620	667	611
12	479	492	499	508	561	604	554	588	676	620	667
Subtotal	1,980	2,042	2,132	2,184	2,313	2,428	2,447	2,558	2,582	2,490	2,500
TOTAL	7,417	7,544	7,707	7,846	8,183	8,215	8,217	8,270	8,290	8,218	8,204

(A) Based on September 30, 2016 enrollment figures.

- Preliminary Projected Enrollments include new housing developments.
- In past projections, the number of kindergarten students was estimated to be 650 due to the inadequacy of the Birth to Age 5 census data telling us the in migration of preschool age children.

Brookline Births per Year

Using a three year average for projecting births, takes into account the short term changes that may occur in birth rates in a town when there are changes in population demographics. Using a five year average for progression rates is an accepted methodology.

BROOKLINE BIRTHS PER YEAR

<u>Year</u>	Kindergarten <u>Year</u>	Actual <u>Births</u> ⁽¹⁾	
99-00	05-06	614	
00-01	06-07	599	
01-02	07-08	649	
02-03	08-09	691	
03-04	09-10	696	
04-05	10-11	605	
05-06	11-12	674	
06-07	12-13	663	
07-08	13-14	647	
08-09	14-15	666	
09-10	15-16	678	
10-11	16-17	692	
11-12	17-18	665	Projected
12-13	18-19	706	Average
13-14	19-20	647	630
14-15	20-21	628	
15-16	21-22	614	

⁽¹⁾ Birth counts are based on kindergarten eligibility dates - September 1 to August 31

Source: Town of Brookline Census Data, Town Clerk

Historical Birth-to-K Progression Rates

Using a five year average for progression rates is the accepted mythology, while using a three year average for projecting births takes into accounts the short term changes that may occur in birth rates in a town when there are changes in population demographics.

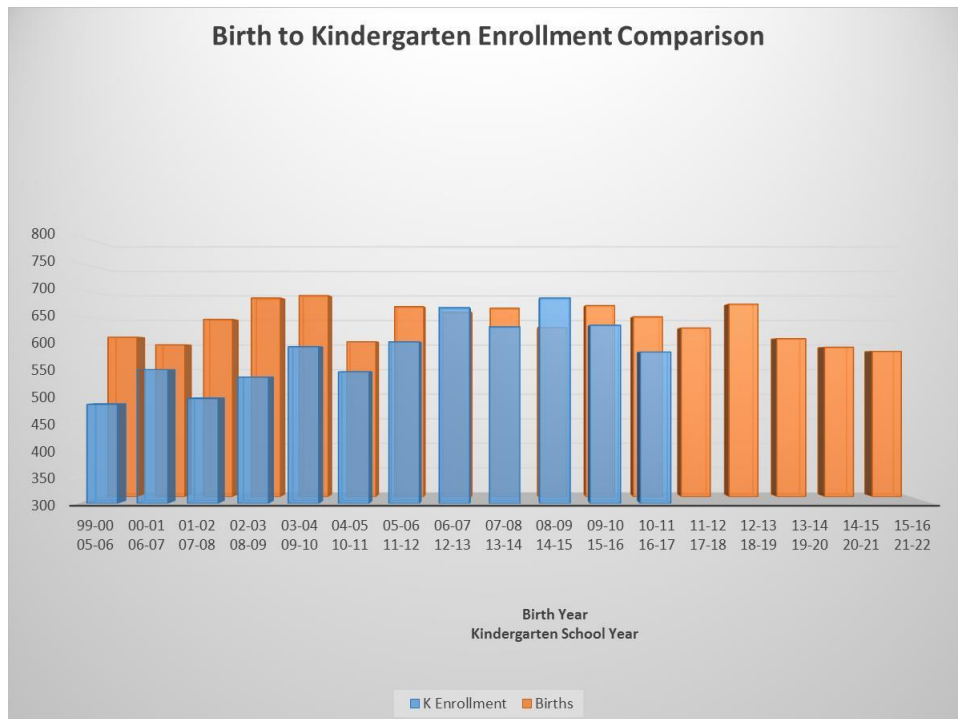
**HISTORICAL BIRTH-to-K
PROGRESSION RATES**

<u>Year</u>	<u>Rate</u>
05-06	0.79
06-07	0.92
07-08	0.76
08-09	0.80
09-10	0.86
10-11	0.90
11-12	0.89
12-13	1.00
13-14	0.98
14-15	1.03
15-16	0.93
16-17	0.84

Average
0.96

Birth to Kindergarten Enrollment Comparison

The tracking of births to kindergarten enrollment is the standard by which many demographers predict future enrollment projections. However, when a district is growing it is essential to have accurate and robust birth to age 5 town census data. Brookline needs to monitor both, as the birth rates for the entering kindergarten in the fall of 2018 support another large influx of kindergarten students over 650 and almost to 700 students.



Residential Zoning & Permitting

In 1961-1962, Brookline zoning went through major map revisions, reducing the area of Town zoned for apartment land use, and adding Floor Area Ratio (FAR) as a tool to define density (in addition to height and lot coverage). Although the overall zoning change reduced the amount of land zoned for apartment use², zones allowing multifamily uses in some cases changed to higher height allowances by right than previous zoning maps.³ In 1970, rent control was enacted, and the first major downzoning amendment was in 1973.⁴ The Town continued to downzone multifamily districts through zoning maps adopted in 1979, and 1986-1987.

In this current economically driven development cycle, the Greater Boston area has seen a very high demand for new apartment construction. These regional market forces have coincided with the quickly-closing timeframe when developers will be able to propose residential developments using a comprehensive permitting process at densities greater than those otherwise allowed by local zoning in Brookline, through the state's Chapter 40B law and regulations, which applies only in communities with less than 10% affordable housing units. Once 10% of Brookline's existing and permitted housing units are designated affordable per state standards, the Town will be able to return to its full local authority to permit residential development according to Brookline's local zoning. This closing development window was highlighted to the general public when The Residences of South Brookline (the first 40B Hancock Village proposal of 161 rental units) was permitted, temporarily raising the town's affordable housing inventory to 9.2%. However, that project's construction delay meant that the 161 permitted units came off the state's inventory of affordable units, and Brookline's percentage of affordable housing units on the state's inventory is now back to 8.6%.

Until Brookline reaches the 10% inventory threshold, any 40B applications filed with the Zoning Board of Appeals (ZBA) will be in the queue of potential 40B projects that must be considered by the ZBA. As illustrated in the attached list of pending 40B development projects already in the 40B permitting queue, this "closing window" effect may result in over 1,000 new residential units in this development cycle.

Number of Housing Units Stable Since 2000

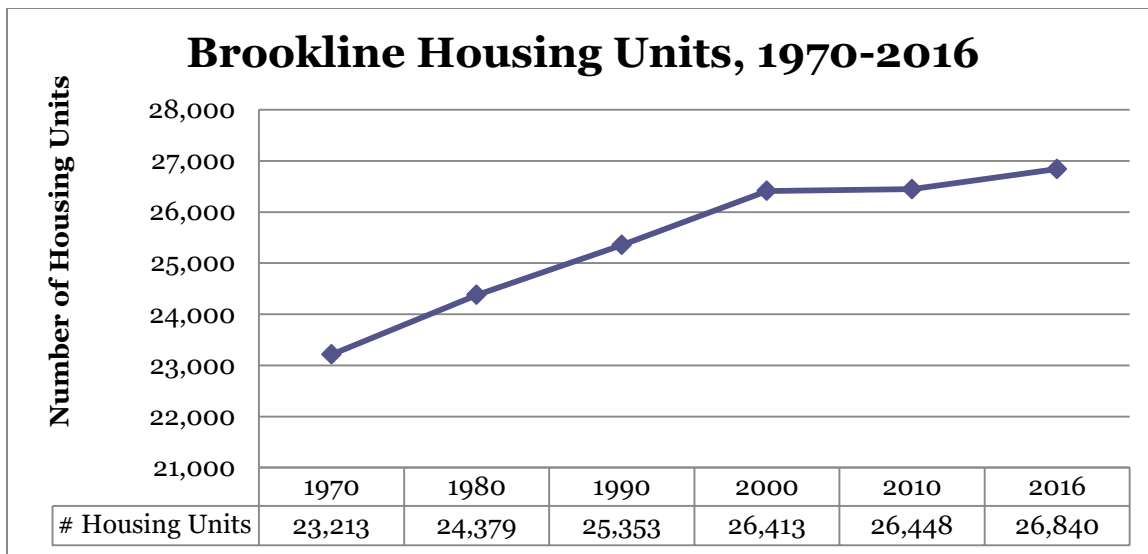
Data from the United States Census Bureau's decennial census show a consistent increase in the number of housing units added to the overall Brookline housing stock between 1970 and 2000, adding about 1,000 net new units every decade. In 2000-2010, that trend halted and there was no significant change (35) in the overall housing stock. As of January 1, 2016, the Assessors' records indicate 26,840 total housing units representing an increase of 392 units⁵. The largest growth span in housing units was between 1990 and 2000 with a growth of 1,060 units.

² 1976 Comprehensive Plan, p. 3

³ New Zoning for Brookline Report, October 1961, page iii and preliminary zoning map

⁴ 1989 Brookline Comprehensive Plan, p. 27

⁵ Includes taxable and non-taxable properties, e.g., Brookline Housing Authority units.



Decennial data (1970-2010) are from US Census Bureau decennial census; 2016 data from Brookline Assessors' Office.

Future Development

While the number of housing units may only have increased by 427 since 2000, the Enrollment Working Group is formulating a projection model to establish an enrollment projection methodology for new building developments that are anticipated to come online over the next five to ten years. The base of the new model is to use existing properties, either rental or condo, to match those properties against three years of student information. The Enrollment Working Group is looking for the following trends and indicators:

- 1) How many students live in the different types of # bedroom units?
- 2) What is the age range/grade level distribution of students?
- 3) What is the turnover of units in a building over a three year period given the Mobility Rates of the district over time?
- 4) Is there or has there been an increase in students by address (conversion or other type of household density)?

The Enrollment Working Group has made requests to multiple property owners or management companies for what is termed a "Rent Role." This listing is simply the mailing address with unit number and the number of bedrooms that were actually built and in use. No names of residents or personal information is requested or needed for the analysis. This number of bedroom by unit number information is not always consistent with the drawings and plans that are on file with the Assessors or the Building Department. The district is interested in matching the "Rent Role" information against the district's student information system to tell us what type of bedroom unit/residence current students are residing and to build a projection model for new developments based on experience. Below are the developments being used to project future large development student enrollment impact.

New Housing/Development Projection Model

Enrollment projections will be modified for the years a new filed development is anticipated to come online and have residents. The model is attempting to generate the number of students that generate from denser multi-unit developments. The model is comparing recent or similar properties to the ones being proposed. It uses district student information over the last three years to see what correlation can be made for the number of students and potential grade level by using properties of similar density and bedroom configuration. This model is not based on type of housing (Condo, BHA, and Rental) it only includes part of the development we have historically

experienced. The development of a projection based on the type of housing is a long-term project that requires updating the Assessors database and the creation of other databases to integrate and develop trend data.

STUDENT GENERATION RATE

Location	Total # Units	1-Bed			2-Bed			3-Bed			4-Bed			5-Bed		
		Total	# of Students	SGR	Total	# of Students	SGR	Total	# of Students	SGR	Total	# of Students	SGR	Total	# of Students	SGR
BHA Properties	460	82	0		212	85		126	141		33	53		7	6	
Dexter Park	408	111	7		226	22		71	7							
Dummer	32	6	0		22	9		4	5							
Hancock Village	530	243	30		266	242		21	36							
	1430	442	37	8.37%	726	358	49.31%	222	189	85.14%	33	53	160.61%	7	6	85.71%

Potential Large Development Projects
as of December 13, 2016

Project	Total # Units	Studio	# 1-Bed	# 2-Bed	# 3-Bed	# 4-Bed	Age-Restricted (55+ or 62+)	Notes	Earliest Date Construction Complete
40 Centre St	40	16	7	12	5	0	N/A		18-May-19
420 Harvard	25	3	4	13	5	0	N/A		22-Jun-19
1180 Boylston	45	0	21	24	0	0	55+		4-Jun-19
384 Harvard (JCHE)	62	28	24	2	8	0	62+		9-Dec-19
111 Cypress	99	12	40	37	10	0	N/A		3-Dec-19
1299 Beacon	74	0	32	42	0	0	55+		4-Feb-20
Waldo/Durgin (Preliminary)	320	7	181	94	32	6	N/A		21-Jan-20
455 Harvard	17	0	12	3	2	0	N/A		9-Jan-20
134 Babcock	62	28	24	2	8	0	N/A		14-Jan-20
1200 Beacon (Holiday Inn)*	149	31	71	47	0	0	N/A	Of these totals, there are 11 1BR, 6 2BR, and 1 3BR condo units proposed. Remaining are rental units.	7-Apr-19
21 Crowninshield (updated)	8	0	0	0	8	0	N/A		4-Sep-18
Hancock Village	382	0	166	192	24	0		The 2BR column is totaled assuming 1-BR w/ Loft (20) and 1-BR w/ Den (32) as 2 BR units. There are 24-2BR w/den that are counted as 3BR in this chart. Subject to Spring 2017 TM vote. 14 existing apts. in Brookline to be demolished: 137-155 Sherman (odd only) & 246-252 Gerry (even only).	28-Feb-20
Total:	1283	125	582	468	102	6			
Preliminary; likely to change in next 90 days.									

The following table shows the results of the model and the distribution of students in the unit configuration. The estimate of new students and their distribution for K-8 is as follows:

Project	Total # Units	Studio	1-Bed	2-Bed	3-Bed	4-Bed	Projected Students	District	Year Complete	School Year Impacted
Student Generation Ratio			8.37%	49.31%	85.14%	160.61%				
40 Centre St	40	16	7	12	5				05/18/2019	2019-2020
Projected Students			1	6	4		11	Devotion		
420 Harvard	25	3	4	13	5				06/22/2019	2019-2020
Projected Students			0	6	4		10	Devotion		
111 Cypress	99	12	40	37	10				12/03/2019	2020-2021
Projected Students			3	18	9		30	Lincoln		
Waldo/Durgin	320	7	181	94	32	6			01/21/2020	2020-2021
Projected Students			15	46	27	10	98	Devotion		
455 Harvard	17		12	3	2				01/09/2020	2020-2021
Projected Students			1	1	2		4	Devotion		
134 Babcock	62	28	24	2	8				01/14/2020	2020-2021
Projected Students			2	1	7		10	Devotion		
1200 Beacon (Holiday Inn)*	149	31	71	47					04/07/2019	2019-2020
Projected Students			6	23	0		29	Lawrence		
21 Crowninshield	8				8				09/04/2018	2018-2019
Projected Students			0	0	7		7	Devotion		
Hancock Village	382		166	192	24				02/28/2020	2020-2021
Projected Students			14	95	20		129	Baker		
TOTALS	1102	97	505	400	94	6				
Projected Students			42	196	80	10	328			

There are approximately 365 students from the same developments that would be at the high school based on current distribution of students.

The projection does not include any students in age-restricted housing because, there were less than three students who resided in the following three developments: 1299 Beacon, 1180 Boylston, or 384 Harvard.

Next Steps to Continue Developing the Model

The Planning and Community Development Department (Planning) has identified an additional 19 existing rental properties to provide a broader and sounder representation of the rental developments currently in the permitting process, including inclusionary housing projects (including affordable housing units) and tall (8+ story) apartment buildings. The School Department will be reaching out to each of the property owners for the “Rent Role” and apply the address information to the student information system and the projection model.

In future enrollment reports, the Enrollment Working Group may consider whether the model is representative of proposed developments with respect to both the building form (e.g., townhomes, mid-rise, high-rise) as well as the percentage of units required to offer preference to households of a minimum size. The minimum household size requirement is a condition of financing as part of developers’ Affirmative Fair Housing Marketing and Resident Selection Plan for affordable housing units. Presumably, each iteration of the enrollment report will be based on an evolving understanding of existing conditions and trends.

The Enrollment Working Group will continue to evaluate enrollment change by census block. If and when mapping indicates uneven enrollment growth in specific neighborhoods, the group will test potential correlation between enrollment increases and various types of property modifications (e.g., significant renovation, creation of additional bedrooms, conversion from rental to ownership, creation of additional units within buildings, construction of new residential structures, etc.).

As shown in the above graphs, periods of Town-wide housing growth since 1976 have not historically correlated with periods of increases or declines of Town-wide enrollment in Brookline. Housing growth continues to be very steady. Even if all of the large currently proposed development projects listed in this report are constructed prior to 2020, the number of housing units created from 2000 to 2020 will still be less than the 20 years prior.

For purposes of projecting school enrollment for facility planning purposes, Planning will continue to work with the Enrollment Working Group to estimate and monitor the number of school children that could be generated by (re)development of a particular site in a particular school district. However, Planning is very concerned about the validity of adding these potential numbers to the underlying enrollment model that is based on birth and progression rates. As noted above, available historical data between Town-wide school enrollment and Town-wide housing growth does not suggest a correlation between the two factors.

Additional properties to monitor and consider including in the model include:

Inclusionary Projects:

45 Marion
1470 Beacon Street
72-76 Kent Street & 73-77 Linden
77 Marion Street/1405 Beacon Street
110-112 Cypress Street
6 Woodcliff Street Road
75-81 Boylston Street
20 Englewood Ave.

Tall (8+ Story Apartment Buildings):

1440 Beacon St
1401 Beacon St
1284 Beacon St
1443 Beacon St
101 Monmouth
1530 Beacon St
175,185 Freeman St
49 Marion St
133 Park St/ 1371 Beacon
1501 Beacon St
1111 Beacon St

Summary of School Buildings

School Building Capacity

School Building Capacity information is available from the Public Schools of Brookline Facilities Assessment report utilized for long term capital improvement planning. A copy is available to review in the Deputy Superintendent of Administration and Finance Office. Due to the nature of the contents of the document, not all of it is public information nor available for public distribution and publication under our Emergency Response and Safety protocols.

School Closures

It is important to note, for the record in this report, the reference to prior school closures as we look at the overall history and enrollment chart earlier in the report.

The Sewall School located on what was once Sewall Street, now known as Cypress Street, had its beginnings on the site of the Town stables in 1878. A “new” brick building was constructed in 1891 and opened for 100 students in 1892. The building was also used by the Public Library, Boys & Girls Clubs and a teen center run by the Recreation Department on weekends and in the evenings. By the 1960’s, only two Kindergarten classes continued to be held in the Sewall School building as an annex to the Lincoln School. The Sewall School was closed in 1981 due to budget constraints arising from Proposition 2 ½. The building was sold and converted to condos.

The Baldwin School on Heath Street opened in 1927 with a kindergarten, 3 primary classrooms and a playroom. Primary classes operated as an annex of the Baker School until 1981 when the school was closed due to the financial constraints arising from Proposition 2 ½. The building currently houses the Brookline Schools Staff Children’s Center (BSSCC) and students from Brookline High School’s Winthrop House program. Recently, the site has been selected by the School Committee and Board of Selectmen for consideration of a 9th elementary school to ease overcrowding / enrollment growth in the district.

The Old Lincoln School is available for use by the Town and Schools as swing space for overflow and building renovations. The school is currently in use for grades 5 through 8 of the Edward Devotion School while it is under construction for renovation and expansion. Old Lincoln School is anticipated to be occupied Fall 2018 as temporary expansion space by Brookline High School to accommodate enrollment growth until the high school expansion construction is completed.

School Boundary Assignments

History of Buffer Zones

The Public Schools of Brookline established the use of buffer zones in 1981 as a way to balance enrollments/class sizes at the elementary school level. Buffer zones have provided the district a tool for maintaining equity among the schools without having to redistrict, especially with new or expanding developments in parts of the Town.

Since 1981, buffer zones have been reviewed and/or expanded more than a half-dozen times, the most recent expansion voted in 2012 to include areas in the north Brookline side of town.

As an enrollment tool, buffer zones allow for the assignment of families to one or more of the schools that partner their street address. A family may state a preference for a school of their choice, but the final decision is that of the Superintendent or their designee (Office of Student Affairs). Enrollments at the particular grade level that the child is entering play a large part in the assignment. Once the assignment is made, all of the children in the same family will be assigned to the same school.

Chronology:

- 1981 – Buffer Zones established (Dexter Park, 175-185 Freeman St. (Dev/Law))
- 1984 – Buffer Zone policy (Driscoll Buffer zone w/Pierce & Runkle added; Devotion Buffer Zone Committee formed)
- 1993 – Enrollment Task Force (1989-1993): Recommended increase number of Buffer Zones^{6,7}
- 2001 – Baker School Buffer Zones / Enrollment Cap (Baker/Heath/Lincoln/Runkle)⁸
- 2002 – Baker School Enrollment Cap Reviewed
- 2004 – Buffer Zones expanded (Cypress Lofts); maps added for clarity⁹
- 2012 – Buffer Zones expanded primarily in North Brookline (Chestnut Hill Ave to the North)¹⁰

Census Data

Under M.G.L. Chapter 51, Section 4, a yearly census is mandated. The Town Clerk conducts the annual census of all Brookline households and publishes the results in a printed residents' list (commonly known as the "Street List"). The publication contains an alphabetical-numerical list of all residents seventeen and older, as of January 1st of each year. The Town Census collects "the name, date of birth, occupation, veteran status, nationality, if not a citizen of the United States, and residence on January 1 of the preceding year and the current year, of each person three years of age or older residing in their respective cities and towns."¹¹

In addition as part of the census, "A list of all persons 3 to 21 years of age, inclusive, shall be transmitted by the board of registrars to the respective school committee not later than April 1 of each year. The list shall contain the name, residence and age or date of birth of each such person; but the names of persons 3 to 16 years of age,

⁶ Memorandum to the School Committee: Enrollment Committee Recommendations vis-à-vis Buffer Zones, May 11, 1993

⁷ Memorandum to School Committee: Enrollment Committee Recommendations, April 5, 1993

⁸ Brookline School Committee Record, Volume 2001, Vote: 6/7/01 – a. Baker Buffer Zone (Baker/Heath/Lincoln/Runkle) & b. Two year Cap on K-2 new enrollments

⁹ Brookline School Committee Record, Volume 2004, Vote: 3/25/04, page 65 - Cypress Lofts

¹⁰ School Committee Policy – P. J15-J16

¹¹ <https://malegislature.gov/Laws/GeneralLaws/PartI/TitleVIII/Chapter51/Section4>

inclusive, shall not be disclosed to any person other than the respective school committee or board of trustees of a county agricultural school or a police department.”¹²

Responding to the annual census is important for many reasons:

1. To maintain a person’s “active” voter status;
2. To maintain accurate population information;
3. To allocate State and Federal funds to the town;
4. To provide proof of residency for personal and/or legal requirements:
 - in-state tuition at state colleges/universities
 - housing benefits for the elderly or others
 - veteran’s benefits
 - insurance benefits
 - school enrollment

The more reliable and accurate the Town of Brookline census data for children between the ages of birth through age 4, the more accurate Kindergarten enrollment projection will become. In addition, census data can also be used to monitor the in and out-migration of students to or from private schools, which the School Department must report on as an annual School Attending Report to the Department of Elementary and Secondary Education (DESE).¹³ It can also assist with what is known as “churn.” Churn occurs when students do not stay the full year. The Massachusetts DESE calculates this as a mobility rate for each district.¹⁴

2016 Mobility Rates¹⁵

Student Group	Churn/ Intake Enroll	% Churn	% Intake	Stability Enroll	% Stability
All Students	7,992	8.9	5.1	7,698	94.6
Economically Disadvantaged	863	13.8	9.4	809	92.1
High Needs	2,837	17.3	10.8	2,617	89.7
LEP English language learner	960	36.7	24.5	787	77.3
Students with disabilities	1,297	6.2	3.3	1,265	96.3
African American/Black	466	7.7	4.7	449	95.8
American Indian or Alaskan Native	-	-	-	-	-
Asian	1,589	21.6	11.5	1,454	85.7
Hispanic or Latino	820	8.5	6.1	789	95.1
Multi-race, non-Hispanic or Latino	699	6.0	4.0	679	96.8
Native Hawaiian or Pacific Islander	6	33.3	0.0	6	66.7
White	4,411	4.9	2.9	4,320	97.2

Knowing and understanding Brookline population trends and mobility rates allows for testing the cohort survival rates and their accuracy. In addition, monitoring the mobility rates and the schools where they occur also allows for additional support to be placed for teachers who may never have the same students in class more than once or twice in a school year due to the in and out-migration of students from the district.

¹² <https://malegislature.gov/Laws/GeneralLaws/PartI/TitleVIII/Chapter51/Section4>

¹³ <http://www.doe.mass.edu/infoservices/data/samples/sac.pdf>

¹⁴ <http://www.doe.mass.edu/infoservices/reports/mobility/0710.pdf>

¹⁵ <http://profiles.doe.mass.edu/mobility/?orgcode=00460000&orgtypecode=5&fycode=2016>

Tuition and METCO Students

The Public Schools of Brookline has historically accepted non-resident tuition students into the district prior to 1973. Students who were allowed to pay tuition to attend the Public Schools of Brookline came from Boston, children of employees of the Town of Brookline (all municipal departments), METCO (1966) and the SEVIS program (One Year International Exchange). The establishment of School Choice¹⁶ in 2004 forced the School Committee to change its policy. Current policies are outlined below.

The current policy is as follows:

- 1) Non-Resident, Full-Tuition Paying Students
 - a) Students are admitted to the Public Schools of Brookline on a space available basis, in accordance with state law.
 - b) An initial letter will be sent in response to all inquiries regarding the non-resident, tuition payment program. The letter will be accompanied by an Application Packet.
 - c) Completed applications must be returned no later than April 1st and accompanied by a non-refundable \$50 application fee.
 - d) Applicants will be notified of their admission status no later than May 15. Those accepted will receive an Admissions Contract.
 - e) To reserve a seat for the following school year, the applicant must return the Admissions Contract no later than May 31, with a \$500 deposit. This deposit will be applied toward the second tuition payment due in January. The deposit is forfeited in the event that the student fails to enroll.

- 2) Non-Resident Teacher's Children
 - a) Students are admitted on a space available basis after full tuition-paying students have been admitted.
 - b) An initial letter will be sent to teachers who have made inquiries regarding the non-resident, reduced-tuition program. This letter, modified regarding dates, fees, and deposit, will be accompanied by an Application Packet, modified to omit the \$50 fee.
 - c) Completed application forms must be returned no later than April 1.
 - d) Applicants will be notified of their admission status no later than June 1. Those accepted will receive an Admissions Contract.
 - e) To reserve a seat for the following year, the applicant must return the Admissions Contract no later than June 15, with a \$50 deposit. This deposit will be applied toward the second tuition payment due in January. The deposit is forfeited in the event that the student fails to enroll.

- 3) Non-Resident School and Town Employee's Children
 - a) Students are admitted on a space available basis after applicants in Categories 1 and 2 above have been processed. (J 13)
 - b) An initial letter will be sent to all employees who have made inquiries regarding the reduced-tuition program. This letter will be accompanied by an Application Packet, modified to omit reference to the \$40 fee.
 - c) Completed applications must be received no later than April 1st
 - d) Applicants will be notified of their admission status no later than June 20. Acceptance letters will be accompanied by an Admissions Contract.
 - e) The Contract must be returned no later than June 30th accompanied by a \$50 deposit. This deposit will be applied toward the second tuition payment due in January. The deposit is forfeited in the event that the student fails to enroll in September.

¹⁶ <http://www.doe.mass.edu/finance/schoolchoice/choicead.html>

METCO

The METCO Program is a grant program funded by the Commonwealth of Massachusetts. It is a voluntary program intended to expand educational opportunities, increase diversity, and reduce racial isolation, by permitting students in certain cities to attend public schools in other communities that have agreed to participate. The Program has been in existence since 1966 and was originally funded through a grant by the Carnegie Foundation and United States Office of Education. The program grew out of the dissatisfaction and frustration with the Boston School Committee. A large number of black parents boycotted the Boston Public Schools for their failure to integrate. As this was happening, the Brookline Civil Rights Committee of Brookline, MA broached the possibility of enrolling black students from Boston in the Brookline Public Schools, sparking the conversation that would lead to the development of the METCO concept. There is currently a cap of 300 METCO students

In 1966, METCO's first year of existence, METCO Inc. was established and seven school districts (Braintree, Lincoln, Arlington, Brookline, Lexington, Newton and Wellesley) began to accept students. METCO Inc. was established as the service provider, and facilitates the student referral process and day-to-day operations.¹⁷

SEVIS - Student and Exchange Visitor Program

The Public Schools of Brookline has accepted international students (F1 or F2 visas) under the US Immigration and Customs Enforcement Student and Exchange Visitor Program (SEVP or SEVIS) at the High School for many years.¹⁸ Due to the growing enrollment at Brookline High School, this program may require a sunset provision as we are projecting high school enrollment will exceed the High School's current capacity of 2200 students in the next five years. There is currently one (1) student enrolled under SEVP for the year and eight (8) under the China Exchange.

Materials Fee Students

The Materials Fee program began in the 1960s. The School Committee policy publishes rates back to 1987-1988 School year. It is a program that has been maintained and currently allows access to education for 182 students of 117 employees. Of the 182 students, 27 have IEPs. All employees participate in a payroll reduction for tuition payments unless they choose to pay in full in advance of the school year.

Non-US Citizen Students

Frequently, the district will have preK-12 students who are attempting to enroll on visas (B) that do not allow them to be in the United States other than as a visitor. These students tend to be here on short term basis and typically do not stay for the entire school year or arrive in the middle of the school year.

All international high school and elementary students must be in possession of an F-1 or F-2 visa to enroll in public schools, which is granted when one or more of the parents is in the United States under an F-1 visa. However, it is not uncommon for one parent to have an F-1 and the rest of the family to be provided with Visitor Visas (B). Under visa regulations, students with B visas may only participate in recreation or other short term programs. They are not to participate in a primary/secondary educational program. However, there is US Supreme Court ruling (Plyer v. Doe, 1982) upholding the 14th Amendment that reinforces that an immigrant student cannot be denied a free and public education. Proof of Residency requirements, established by a school district, has been upheld as a district level decision.¹⁹

¹⁷ <http://www.doe.mass.edu/finance/schoolchoice/choice-guide.html> and

<https://en.wikipedia.org/wiki/METCO>

¹⁸ <https://www.ice.gov/sevis>

¹⁹ <http://www.brookline.k12.ma.us/domain/43>

Enrollment Projection - Detail

Additional Charts/Tables

Brookline School Enrollment - District

BROOKLINE SCHOOL ENROLLMENT

9/30/2016

School Year	Births*	K	1	2	3	4	5	6	7	8	9	10	11	12	SP	<u>TOTAL</u>		System Total	Chg
																K-8	9-12		
76-77		404	491	442	452	471	439	480	501	501	473	499	511	532	20	4201	2015	6216	
77-78		411	459	517	444	479	479	450	478	497	525	486	501	543	17	4231	2055	6286	70
78-79		373	413	451	508	480	501	497	463	492	553	533	501	551	19	4197	2138	6335	49
79-80		367	394	433	448	498	485	513	486	460	513	540	534	558	16	4100	2145	6245	-90
80-81		330	374	409	438	437	503	476	515	491	469	509	533	574	20	3993	2085	6078	-167
81-82		314	369	387	392	424	448	502	454	505	478	464	505	570	25	3820	2017	5837	-241
82-83		294	321	355	388	393	418	455	505	446	493	508	480	523	30	3605	2004	5609	-228
83-84		337	323	346	365	381	395	429	465	510	530	497	527	539	23	3574	2093	5667	58
84-85		350	359	340	353	389	394	423	417	466	558	545	514	552	26	3517	2169	5686	19
85-86		361	390	362	356	370	399	396	414	434	507	591	544	543	35	3517	2185	5702	16
86-87		343	380	383	350	362	369	397	397	405	453	531	589	567	60	3446	2140	5586	-116
87-88		377	358	397	373	364	367	373	388	388	427	469	520	563	59	3444	1979	5423	-163
88-89		398	421	361	401	377	376	362	358	394	430	460	480	517	70	3518	1887	5405	-18
89-90		417	411	433	379	416	372	383	364	363	436	449	460	479	110	3648	1824	5472	67
90-91		400	451	433	413	376	417	380	376	370	413	463	471	453	106	3722	1800	5522	50
91-92		451	449	471	457	419	385	430	358	376	413	426	451	460	104	3900	1750	5650	128
92-93		461	510	473	487	488	408	398	416	380	402	415	420	442	88	4109	1679	5788	138
93-94		465	490	505	461	495	504	428	404	407	399	423	432	398	100	4259	1652	5911	123
94-95		417	510	495	501	461	499	473	409	386	425	409	432	437	95	4246	1703	5949	38
95-96		423	458	523	493	485	467	516	455	412	409	459	421	423	96	4328	1712	6040	91
96-97		421	487	479	511	501	479	452	478	451	440	411	443	406	105	4364	1700	6064	24
97-98		425	478	507	485	486	504	467	419	477	449	438	414	438	88	4336	1739	6075	11
98-99		424	442	460	502	492	482	487	459	422	458	436	415	401	101	4271	1710	5981	-94
99-00	614	402	439	450	453	483	491	475	469	458	430	470	454	417	100	4220	1771	5991	10
00-01	599	400	424	460	455	462	470	482	460	467	486	454	477	440	104	4184	1857	6041	50
01-02	649	397	415	435	459	457	442	452	456	448	489	501	431	482	98	4059	1903	5962	-79
02-03	691	426	423	413	420	448	441	451	447	456	475	500	473	422	92	4017	1870	5887	-75
03-04	696	396	436	425	404	408	439	424	451	444	475	491	493	461	87	3914	1920	5834	-53

BROOKLINE SCHOOL ENROLLMENT

9/30/2016

School Year	Births*															<u>TOTAL</u>		System Total	Chg
		K	1	2	3	4	5	6	7	8	9	10	11	12	SP	K-8	9-12		
04-05	605	418	418	447	409	417	400	440	386	450	452	486	474	479	103	3888	1891	5779	-55
05-06	674	485	425	441	467	423	418	412	434	399	465	466	472	478		3904	1881	5785	6
06-07	663	550	496	425	453	453	435	409	418	423	424	475	466	475		4062	1840	5902	117
07-08	647	495	527	514	438	449	448	408	394	425	432	443	456	477	2	4098	1810	5908	6
08-09	666	552	516	556	539	452	444	444	409	387	445	432	443	450	3	4299	1773	6072	164
09-10	678	596	556	516	544	539	449	435	443	395	409	466	427	437	5	4473	1744	6217	145
10-11	692	545	618	572	532	527	532	445	424	448	402	428	460	431	1	4643	1722	6365	148
11-12	665	602	550	658	567	532	538	516	437	425	458	421	432	459	3	4825	1773	6598	233
12-13	706	666	633	539	651	574	517	549	492	446	436	479	416	432	6	5067	1769	6836	238
13-14	647	631	676	618	539	656	562	519	533	493	466	445	475	403	13	5227	1802	7029	193
14-15	628	685	645	685	620	530	634	541	506	507	494	478	431	473	15	5353	1891	7244	215
15-16	614	633	696	621	704	598	553	610	543	507	500	507	480	446	13	5465	1946	7411	167
16-17		582	627	678	633	677	584	549	576	531	500	509	492	479		5437	1980	7417	6

* Births reflect the enrollment year, September 1, YYYY to August 31, YYYY

Brookline School Progression Rates - District

BROOKLINE SCHOOL PROGRESSION RATES

9/30/2016

Year	K	1	2	3	4	5	6	7	8	9	10	11	12	TOTAL		System Total	
														K-8	9-12		
76-77																	
77-78		1.14	1.05	1.00	1.06	1.02	1.03	1.00	0.99	1.05	1.03	1.00	1.06	1.01	1.02	1.01	
78-79		1.00	0.98	0.98	1.08	1.05	1.04	1.03	1.03	1.11	1.02	1.03	1.10	0.99	1.04	1.01	
79-80		1.06	1.05	0.99	0.98	1.01	1.02	0.98	0.99	1.04	0.98	1.00	1.11	0.98	1.00	0.99	
80-81		1.02	1.04	1.01	0.98	1.01	0.98	1.00	1.01	1.02	0.99	0.99	1.07	0.97	0.97	0.97	
81-82		1.12	1.03	0.96	0.97	1.03	1.00	0.95	0.98	0.97	0.99	0.99	1.07	0.96	0.97	0.96	
82-83		1.02	0.96	1.00	1.00	0.99	1.02	1.01	0.98	0.98	1.06	1.03	1.04	0.94	0.99	0.96	
83-84		1.10	1.08	1.03	0.98	1.01	1.03	1.02	1.01	1.19	1.01	1.04	1.12	0.99	1.04	1.01	
84-85		1.07	1.05	1.02	1.07	1.03	1.07	0.97	1.00	1.09	1.03	1.03	1.05	0.98	1.04	1.00	
85-86		1.11	1.01	1.05	1.05	1.03	1.01	0.98	1.04	1.09	1.06	1.00	1.06	1.00	1.01	1.00	
86-87		1.05	0.98	0.97	1.02	1.00	0.99	1.00	0.98	1.04	1.05	1.00	1.04	0.98	0.98	0.98	
87-88		1.04	1.04	0.97	1.04	1.01	1.01	0.98	0.98	1.05	1.04	0.98	0.96	1.00	0.92	0.97	
88-89		1.12	1.01	1.01	1.01	1.03	0.99	0.96	1.02	1.11	1.08	1.02	0.99	1.02	0.95	1.00	
89-90		1.03	1.03	1.05	1.04	0.99	1.02	1.01	1.01	1.11	1.04	1.00	1.00	1.04	0.97	1.01	
90-91		1.08	1.05	0.95	0.99	1.00	1.02	0.98	1.02	1.14	1.06	1.05	0.98	1.02	0.99	1.01	
91-92		1.12	1.04	1.06	1.01	1.02	1.03	0.94	1.00	1.12	1.03	0.97	0.98	1.05	0.97	1.02	
92-93		1.13	1.05	1.03	1.07	0.97	1.03	0.97	1.06	1.07	1.00	0.99	0.98	1.05	0.96	1.02	
93-94		1.06	0.99	0.97	1.02	1.03	1.05	1.02	0.98	1.05	1.05	1.04	0.95	1.04	0.98	1.02	
94-95		1.10	1.01	0.99	1.00	1.01	0.94	0.96	0.96	1.04	1.03	1.02	1.01	1.00	1.03	1.01	
95-96		1.10	1.03	1.00	0.97	1.01	1.03	0.96	1.01	1.06	1.08	1.03	0.98	1.02	1.01	1.02	
96-97		1.15	1.05	0.98	1.02	0.99	0.97	0.93	0.99	1.07	1.00	0.97	0.96	1.01	0.99	1.00	
97-98		1.14	1.04	1.01	0.95	1.01	0.97	0.93	1.00	1.00	1.00	1.01	0.99	0.99	1.02	1.00	
98-99		1.04	0.96	0.99	1.01	0.99	0.97	0.98	1.01	0.96	0.97	0.95	0.97	0.99	0.98	0.98	
99-00		1.04	1.02	0.98	0.96	1.00	0.99	0.96	1.00	1.02	1.03	1.04	1.00	0.99	1.04	1.00	
00-01		1.05	1.05	1.01	1.02	0.97	0.98	0.97	1.00	1.06	1.06	1.01	0.97	0.99	1.05	1.01	
01-02		1.04	1.03	1.00	1.00	0.96	0.96	0.95	0.97	1.05	1.03	0.95	1.01	0.97	1.02	0.99	
02-03		1.07	1.00	0.97	0.98	0.96	1.02	0.99	1.00	1.06	1.02	0.94	0.98	0.99	0.98	0.99	
03-04		1.02	1.00	0.98	0.97	0.98	0.96	1.00	0.99	1.04	1.03	0.99	0.97	0.97	1.03	0.99	

BROOKLINE SCHOOL PROGRESSION RATES

9/30/2016

Year	K	1	2	3	4	5	6	7	8	9	10	11	12	<u>TOTAL</u>		System Total
														K-8	9-12	
04-05		1.06	1.03	0.96	1.03	0.98	1.00	0.91	1.00	1.02	1.02	0.97	0.97	0.99	0.98	0.99
05-06	0.79	1.02	1.06	1.04	1.03	1.00	1.03	0.99	1.03	1.03	1.03	0.97	1.01	1.00	0.99	1.00
06-07	0.92	1.02	1.00	1.03	0.97	1.03	0.98	1.01	0.97	1.06	1.02	1.00	1.01	1.04	0.98	1.02
07-08	0.76	0.96	1.04	1.03	0.99	0.99	0.94	0.96	1.02	1.02	1.04	0.96	1.02	1.01	0.98	1.00
08-09	0.80	1.04	1.06	1.05	1.03	0.99	0.99	1.00	0.98	1.05	1.00	1.00	0.99	1.05	0.98	1.03
09-10	0.86	1.01	1.00	0.98	1.00	0.99	0.98	1.00	0.97	1.06	1.05	0.99	0.99	1.04	0.98	1.02
10-11	0.90	1.04	1.03	1.03	0.97	0.99	0.99	0.97	1.01	1.02	1.05	0.99	1.01	1.04	0.99	1.02
11-12	0.89	1.01	1.06	0.99	1.00	1.02	0.97	0.98	1.00	1.02	1.05	1.01	1.00	1.04	1.03	1.04
12-13	1.00	1.05	0.98	0.99	1.01	0.97	1.02	0.95	1.02	1.03	1.05	0.99	1.00	1.05	1.00	1.04
13-14	0.98	1.02	0.98	1.00	1.01	0.98	1.00	0.97	1.00	1.04	1.02	0.99	0.97	1.03	1.02	1.03
14-15	1.03	1.02	1.01	1.00	0.98	0.97	0.96	0.97	0.95	1.00	1.03	0.97	1.00	1.02	1.05	1.03
15-16	0.93	1.02	0.96	1.03	0.96	1.04	0.96	1.00	1.00	0.99	1.03	1.00	1.03	1.02	1.03	1.02
16-17	0.84	0.99	0.97	1.02	0.96	0.98	0.99	0.94	0.98	0.99	1.02	0.97	1.00	0.99	1.02	1.00

Brookline School Enrollment - By School

School by School Enrollments

Actual FY17

FY18 through FY27 Projections

Based on Individual School 5 Year Progression Rates

Baker	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	<u>FY26</u>	<u>FY27</u>
K	83	89	94	87	89	87	89	89	89	89	89
1	76	91	98	103	104	98	96	98	98	98	98
2	103	71	86	92	108	98	92	90	92	92	92
3	72	99	68	83	98	104	94	88	86	88	88
4	106	71	98	67	96	97	103	93	87	85	87
5	80	105	70	97	77	95	96	102	92	86	84
6	74	80	105	70	106	77	95	96	102	92	86
7	91	70	75	99	76	100	72	89	90	96	86
8	79	90	69	74	108	75	99	71	88	89	95
TOTAL	764	766	763	772	862	831	836	816	824	815	805
Devotion	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	<u>FY26</u>	<u>FY27</u>
K	91	106	112	104	106	103	106	106	106	106	106
1	101	87	103	109	107	102	99	102	102	102	102
2	93	96	84	100	114	102	97	94	97	97	97
3	97	95	99	88	110	116	104	99	96	99	99
4	100	92	91	96	96	105	110	99	94	91	94
5	92	100	93	93	105	96	105	110	99	94	91
6	77	90	99	93	99	103	94	103	108	97	92
7	72	75	88	99	99	97	101	92	101	106	95
8	75	69	72	86	104	95	93	97	88	97	102
TOTAL	798	810	841	868	940	919	909	902	891	889	878
Driscoll	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	<u>FY26</u>	<u>FY27</u>
K	61	62	66	61	62	61	63	63	63	63	63
1	58	60	61	65	60	61	60	62	62	62	62
2	76	61	63	64	68	63	64	63	65	65	65
3	63	79	63	66	67	71	66	67	66	68	68
4	70	62	78	62	65	66	70	65	66	65	67
5	68	68	60	76	60	63	64	68	63	64	63
6	66	67	67	59	74	59	62	63	67	62	63
7	66	65	66	66	58	73	58	61	62	66	61
8	58	65	64	65	65	57	72	57	60	61	65
TOTAL	586	589	588	584	579	574	579	569	574	576	577

School by School Enrollments
Actual FY17

FY18 through FY27 Projections

Based on Individual School 5 Year Progression Rates

Heath	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	<u>FY26</u>	<u>FY27</u>
K	47	61	65	60	61	59	61	61	61	61	61
1	66	49	63	68	62	63	61	63	63	63	63
2	71	66	49	63	68	62	63	61	63	63	63
3	67	73	68	50	65	70	64	65	63	65	65
4	71	67	73	68	50	65	70	64	65	63	65
5	53	71	67	73	68	50	65	70	64	65	63
6	65	49	66	62	68	63	47	60	65	60	60
7	52	60	46	61	58	63	59	44	56	60	56
8	57	50	58	45	59	56	61	57	43	54	58
TOTAL	549	546	555	550	559	551	551	545	543	554	554
Lawrence	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	<u>FY26</u>	<u>FY27</u>
K	80	87	93	86	87	85	87	87	87	87	87
1	89	81	88	96	87	88	86	88	88	88	88
2	88	86	79	88	93	84	85	83	85	85	85
3	85	89	87	82	89	94	85	86	84	86	86
4	88	81	85	86	78	85	89	81	82	80	82
5	79	87	80	86	85	77	84	88	80	81	79
6	62	77	85	80	84	83	75	82	86	78	79
7	79	60	75	84	78	81	81	73	80	83	76
8	61	77	59	76	82	76	79	79	72	78	81
TOTAL	711	725	731	764	763	753	751	747	744	746	743
Lincoln	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	<u>FY26</u>	<u>FY27</u>
K	66	68	72	66	68	66	68	68	68	68	68
1	58	65	67	71	67	67	65	67	67	67	67
2	71	57	64	66	73	66	66	64	66	66	66
3	64	73	59	66	70	75	68	68	66	68	68
4	82	63	72	58	68	69	74	67	67	65	67
5	63	78	60	68	57	65	66	70	64	64	62
6	51	60	75	58	67	55	62	63	67	61	61
7	60	48	56	71	57	63	52	58	59	63	57
8	61	60	48	56	73	57	63	52	58	59	63
TOTAL	576	572	573	580	600	583	584	577	582	581	579

School by School Enrollments
Actual FY17

FY18 through FY27 Projections

Based on Individual School 5 Year Progression Rates

Pierce	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	<u>FY26</u>	<u>FY27</u>
K	96	102	109	101	102	100	103	103	103	103	103
1	113	101	107	114	106	107	105	108	108	108	108
2	106	111	99	105	112	104	105	103	106	106	106
3	111	103	108	96	102	109	101	102	100	103	103
4	91	112	104	109	97	103	110	102	103	101	104
5	83	90	111	103	108	96	102	109	101	102	100
6	88	84	91	112	104	109	97	103	110	102	103
7	86	89	85	92	113	105	110	98	104	111	103
8	80	88	91	87	94	115	107	112	100	106	113
TOTAL	854	880	905	919	938	948	940	940	935	942	943

Runkle	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	<u>FY26</u>	<u>FY27</u>
K	58	64	68	62	64	62	64	64	64	64	64
1	66	60	66	70	64	66	64	66	66	66	66
2	70	69	62	69	73	67	69	67	69	69	69
3	74	73	72	64	72	76	70	72	70	72	72
4	69	76	75	74	66	74	78	72	74	72	74
5	66	70	77	76	75	67	75	79	73	75	73
6	66	72	76	84	83	82	73	82	86	80	82
7	70	66	72	76	84	83	82	73	82	86	80
8	60	72	68	74	78	87	85	84	75	84	89
TOTAL	599	622	636	649	659	664	660	659	659	668	669

K-8 Total	<u>FY17</u>	<u>FY18</u>	<u>FY19</u>	<u>FY20</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>	<u>FY26</u>	<u>FY27</u>
K	582	639	679	627	639	623	641	641	641	641	641
1	627	594	653	696	657	652	636	654	654	654	654
2	678	617	586	647	709	646	641	625	643	643	643
3	633	684	624	595	673	715	652	647	631	649	649
4	677	624	676	620	616	664	704	643	638	622	640
5	584	669	618	672	635	609	657	696	636	631	615
6	549	579	664	618	685	631	605	652	691	632	626
7	576	533	563	648	623	665	615	588	634	671	614
8	531	571	529	563	663	618	659	609	584	628	666
TOTAL	5437	5510	5592	5686	5900	5823	5810	5755	5752	5771	5748

Future Reports

1. Student Sub-Sets and Trend Data
 - a. Mobility Rates by School (if available)
 - b. English Language Learner Population
 - c. Special Education projection
2. Housing and Development Impact on Enrollment - (Separate Report)
 - a. Analysis of rental units to ownership (condo) aka Condo Conversion
 - b. Continue analysis of larger developments (over 12 units) using “Rent Roles” to develop a projection profile for new housing units (Studio, 1 bedroom, 2 bedroom, 3 bedroom, etc.) and what they historically produce for student population by grade level.
3. Town Census Data
 - a. Collaborate with Town Clerk’s Office to improve birth through age 4 Census Data through:
 - i. promotion of completing the census when mailed, or
 - ii. asking new families to complete the census before registering for school
4. Comparison of Past Projections and Actual Enrollment
 - a. The comparison illustrates the variances of past projections and later actual enrollments. This limited analysis of non-Brookline data (below) indicates that when actual enrollment was increasing, the projections overestimated future enrollment. Conversely, when actual enrollment was decreasing, the projections underestimated future enrollment.
 - b. The School District should consider this enrollment projection history when developing current and future facilities plans, as utilizing the current enrollment projections may result in under-planning for future facility/space needs.

sample table: {Data is not Brookline Data}

Projection	Enrollment*	Enrollment**	Projection	Actual	Variance	Projection	Actual	Variance
5/1992	3,660	3,803	4,074	3,772	-7.40%	4,344	3,329	-23.40%
1/2002	3,772	3,342	2,737	3,046	11.30%	2,340	2,668	14.00%
*Actual enrollment 4 years prior to Date of Projection								
**Most current actual enrollment at Date of Projection								