



MEMORANDUM

To: Somerville Public Schools
8 Bonair Street
Somerville, MA 02145

Date: March 24, 2023

Project No.: F2321.01.001

From: Benjamin Maloney
Senior Demographer/Data Analyst

Re: 2022–23 to 2032–33 Enrollment Forecasts Report—Somerville Public Schools

At the request of Somerville Public Schools (SPS/District), FLO Analytics (FLO) prepared forecasts of future student enrollment for grades pre-kindergarten (PK) through 12 for school years 2023–24 to 2032–33. The study was completed through three main tasks: (1) demographic and residential development analysis, (2) student enrollment assessment, and (3) student enrollment forecasting. Results of the forecasts are reported for the District overall and for individual grades and schools. District-wide enrollment forecasts represent the total number of students living within and outside the district boundary and attending district schools and programs. These forecasts are provided as a district-wide total and per grade group. FLO also prepared more granular forecasts of the number of students enrolled at each of the District's elementary, middle, and high schools and special programs. Additionally, by-school forecasts were disaggregated to the Level of Need based on recent shares of by-school enrollment.

Enrollment Forecasts: Summary

- Between the 2022–23 and 2032–33 school years, District-wide K–12 enrollment (October headcount) is forecasted to decrease by 260 students, from 4,920 to 4,660, or by 5.3 percent. Figure 17 shows the annual district-wide low, middle (preferred), and high forecast scenarios. Figures 18 through Figure 22 focus on the middle scenario, as it represents the most likely enrollment outcomes based on currently available data and the FLO analysis. The low and high scenarios are presented in Figures 24 and 25 as district-wide enrollment by individual grade.
- Figure 18 disaggregates the annual district-wide forecasts by grade group.
 - K–5 enrollment from 2,207 to 1,974 (10.6 percent decrease)
 - 6–8 enrollment from 1,033 to 904 (12.5 percent decrease)
 - 9–12 enrollment from 1,382 to 1,506 (9.0 percent increase)
- Figure 19 provides annual district-wide enrollment by individual grade. Figure 20 provides annual forecasts of students enrolled in each of the District's schools and programs. District-wide enrollment is expected to decline (260 fewer students) through 2032–33 in response to an expected decline in PK and K enrollment as a result of the sustained decline in births occurring within the District and forecast GPRs that are generally below 1.00. While residential construction will act to moderate the decline, it will likely not be enough to completely offset the expected contraction.

- Figures 21 and 22 provide annual district-wide enrollment by individual grade for the low and high forecast scenarios, respectively. The Forecasting Methodologies section of this report discusses assumptions for the low, middle (preferred), and high forecast scenarios.

Demographic and Residential Development Analysis

Understanding the population and housing trends within the geographic area of the district and surrounding region (Figure 1) is an integral part of the enrollment forecasting process. To incorporate overarching factors that underpin student enrollment, FLO mapped the distribution of student residences (Figure 2); reviewed historical, current, and projected demographic characteristics of the region; and analyzed current land use policies and anticipated residential development.

Population Trends and Forecasts

Figure 3 illustrates the 2000 to 2020 population change at both the County and District level. Middlesex County grew by 11.4 percent between the 2000 and 2020 censuses, gaining 166,606 residents. Over the same period, the population within the district increased. Gaining just over 3,453 residents, the District's population increased by 4.4 percent between 2000 and 2020. One factor hindering enrollment increase has been a slow rate of growth in the number of children over the last decade. Figure 4 depicts how the proportion of the total Somerville population under the age of 18 has changed in relation to the population over the age of 18. The District's net growth of approximately 3,500 residents over the 20-year period was mostly driven by the growth of approximately 5,675 residents aged 18 and older (8.6 percent). In comparison, the population under the age of 18 decreased by 2,222 residents (19.4 percent) over the same period. Between 2000 and 2010 the proportion of the population under the age of 18 declined at from 15.0 percent to 12.0 percent. While the population under the age of 18 slightly increased in 2020, the proportion continued to slide (11.0 percent) as the population over the age of 18 increased by 8.6 percent.

Housing Types and Student Generation Rates

Housing type is an important indicator of the expected average number of students generated per housing unit. For instance, on average, single-family (SF) housing units generate more students per unit than multifamily (MF) housing units. Factors that contribute to student generation rates (or yields) include the size of the housing units, the number of bedrooms, housing costs, neighborhood demographics, and family-friendly amenities such as playgrounds. We assessed residential housing units throughout the district and determined that among students residing and enrolled in District schools in 2022–23, 15.1 percent reside within SF housing units, 82.4 percent in MF housing units, and 2.5 percent in other locations outside of the analysis area.

FLO defines SF and MF housing in accordance with the U.S. Census Bureau American Community Survey Subject Definitions (<https://www.census.gov/construction/chars/definitions>) and other sources of demographic research and population forecasts (e.g., Portland State University Population Research Center). SF housing includes one-unit structures that are fully detached from other housing, as well as attached dwellings (e.g., row houses and townhouses). In the case of attached units, to be classified as an SF structure, each unit must be separated from the adjacent unit by a ground-to-roof wall, and units must not share heating/air-conditioning systems or utilities. MF housing is defined as residential buildings containing two or more housing units that do not share ground-to-roof walls and/or have common facilities (attic, basement, heating, plumbing, etc.).

Student generation rates (SGR) vary by geographic location in the district and by housing subtypes (e.g., SF detached, townhome, duplex, multiunit apartments). Generally, we estimate district-wide average SGRs for the most common housing types (MF). Depending on the granularity of information

available, we can estimate SGRs for subregions (e.g., cities, catchment areas) or for specific developments that can serve as case studies used to estimate the potential number of students in comparable future developments. Figure 5 includes the calculated MF SGRs based on new residential construction between 2022 and 2032. City planners indicated that no SF construction will be taking place over the forecast horizon.

Planned Residential Construction

FLO conducted interviews with planners from the City of Somerville to discuss foreseeable residential growth in the district through the 2032–33 forecast horizon. Key development data acquired through these meetings are presented in Figures 6 and 7. Figure 6 depicts the locations of MF developments that are currently in active construction or in planning stages. Figure 7 includes details of residential development data gathered by FLO such as data source, housing unit type, anticipated number of units, and planner notes where available.

Information obtained from the City of Somerville indicate that residential construction will result in approximately 2,748 new units anticipated between 2022–23 and 2032–33. The anticipated unit count is a combination of known future residential development information supplied by the City of Somerville and additional potential residential construction anticipated as a result of the expectation of a continuation of population growth within the district. City of Somerville planners indicate that known future residential development will consist entirely of MF construction. Based on the historical rate of submitted and issued building permits, the district may experience approximately an average of 221 additional MF units per year through the forecast period with the majority of the construction taking place over the next five years. Notable MF developments include, but are not limited to, 355 units near the intersection of Powder House Boulevard and North Street (West Somerville K–8), 240 units near the intersection of South Street and Windsor Street (Argenziano K–8), 206 units near Prospect Street and Webster Avenue (Argenziano K–8), 205 units near New Washington Street and Innerbelt Road (East Somerville K–8), and 200 units near the intersection of Earle Street and South Street (Argenziano K–8). Additional planned multi-family construction range in size from two units to as many as 94 units.

FLO estimated the timing of expected build-out based on information provided by City of Somerville planning department at the time of analysis; these estimates are subject to change based land use policies, migration patterns, and economic factors. Although residential development and SGRs are a valuable consideration in estimating future student enrollment, it is also important to recognize that more housing units do not necessarily lead to more students, as indicated by the increase in the number of housing units and increase of the population 18 and older during the last decade, while the population under age 18 decreased (Figure 4).

Student Enrollment Assessment

To better understand recent enrollment trends, FLO analyzed historical 2012–13 to 2022–23 enrollment (October headcount) based on the enrollment reports and student information system (SIS) extracts provided by the District. Students enrolled in GenEd DYS and Incarcerated programs were not included within our analyses and enrollment forecasts. FLO evaluated historical grade progression ratios (GPRs), participation in special or nontraditional programs, and differences in enrollment by residence compared to individual school attendance (i.e., transfer rates).

Figure 8 shows the district-wide enrollment by individual grade. While there was some slight year-to-year variation, district-wide enrollment remained fairly steady between 2012–13 and 2019–20, with an average of 5,040 students per year. Enrollment contracted considerably in 2020–21 (260 fewer students), largely due to the impacts of COVID-19. District-wide enrollment declined only slightly in

2021–22 (33 fewer students) before rebounding in 2022–23 (165 additional students). Over the period of analysis, district-wide enrollment reached an apex of 5,077 students in 2014–15 and a low of 4,755 students in 2021–22.

Figure 9 tabulates enrollment by grade group and school. Similar to the by grade enrollment trends in Figure 8, enrollment remained remarkably stable at Catchment schools between 2012–13 and 2018–19, never changing more than 82 students (an average of fewer than 7 students per grade) over that period. Catchment schools reached an apex of 4,939 students in 2019–20 then declined by 248 students in 2020–21; a contraction that is largely due to concerns surrounding COVID-19. Enrollment ebbed slightly to 4,673 students in 2021–22 before rebounding in 2022–23 (147 additional students). While there was some year-to-year variation, enrollment in Other Placement schools remained fairly consistent between 2012–13 and 2019–20, ranging between 90 (2014–15) and 135 (2017–18) students. Enrollment declined to 97 students in 2020–21 then 82 students in 2021–22 before adding 18 students in 2022–23.

Residence-Attendance Matrices

Based on FLO's analysis of district-wide K–12 transfers (Figure 10), a total of 116 students who live outside the district boundary were enrolled in district schools in 2022–23, representing 2.5 percent of enrollment. Overall, 1,491 students residing within the district boundary transferred to a school or program different from their residence school, which is based on the catchment in which they live. This amounts to a district-wide intra-district transfer rate of 33.1 percent. The largest percentage of transfers occurs within the 6–8 grade group, with an intra-district transfer rate total of 46.6 percent attending a different neighborhood school.

As depicted in the residence-attendance matrixes (Figures 11 through 14) per grade group, transfer rates also differ per school. For instance, transfer-out rates for Grade 1–5 catchments range from 30.8 percent to 68.9 percent. From the perspective of individual school enrollment, Grade 1–5 transfer-in rates range from 11.6 percent West Somerville to 60.4 percent Kennedy ES (Figure 12). Schools with higher transfer-in rates are typically due to a preference in programming and/or location. These transfer rates can help reveal patterns of student choice or quantify District policies. For instance, if a particular school with a high transfer-in rate began to exceed capacity, District may reconsider transfer policies or programming to alleviate overcrowding.

Figures 13 and 14 show the MS and HS transfer rates and out-of-district totals. MS transfer-out rates (Figure 13) range from 38.0 percent at West Somerville and Kennedy to 64.0 percent at Winter Hill. MS transfer-in rates range from 19.2 percent at West Somerville to 69.9 percent at Kennedy. Students transfer out from Somerville High at a rate of 5.9 percent (to non-catchment schools) and transfer in from out-of-district at a rate of 3.0 percent (Figure 14). FLO has included an analysis of transfers at the kindergarten level (Figure 11) and a set of figures that includes pre-kindergarten (Appendix Figures). The appendices include hours of service for special education. For children ages 3–5 years old, designation is linked to number of hours a child receives of special education services per week.

- Low: Up to 5 hours, further designated as between 0–2 or 2–5 hours
- Moderate: 6–14 Hours
- High: 15 or more Hours

For children and youth ages 6–21 years old, designation is based on setting, service providers, and percent of time receiving special education services. Only 2 out of 3 criterion need to be met for designation. If a child meets one criterion in each of the three designation areas, professional discretion can be applied whether to categorize them as moderate or high need.

	Designation Criterion (2+ out of 3)		
Designation	Primary Setting	Service Provider(s)	Percent of Program Time Receiving Special Education Services
Low	General Education	General educators and paraprofessionals with consultation	Under 25% of program time
Moderate	In and Out of General Education Classrooms	Combination of general educators, paraprofessionals, special educators, and related service providers	Between 25% and 75% of program time
High	Out of General Education Classrooms	Special educators and related service providers	Over 75% of program time

Historical Births and Kindergarten Enrollment

The number of students enrolled in a district is largely influenced by the number of school-aged children residing within the district. FLO compares historical birth data (i.e., live births to mothers residing within the district) to historical numbers of resident kindergarteners to determine annual K ratios of births (i.e., the number of resident kindergarteners who enrolled in the District divided by the number of live births five years prior). These values, combined with age-group-specific population projections of childbearing-aged women residing in the district, allow us to forecast the number of anticipated births in the district, and thus the number of kindergarteners anticipated in future school years.

Figure 15 illustrates how the number of births to District residents relates to historical K enrollment, showing both the birth and K forecasts and the annual ratio of kindergarteners to births. After a steady period between 2012 and 2014 (an average of 971 births), 2015 marked the beginning of a steady decline in district births that has persisted through 2021 with 214 fewer births. K enrollment was generally stable between 2017–18 and 2019–20 with a district-wide average of 430 students, which was at least partially due to the births between 2012 and 2014. COVID-19 related concerns likely contributed to the sharp decline in K enrollment in 2020–21 which was followed by a similar contraction in 2021–22. Despite the decline in births in 2016, 2022–23 K enrollment increased by 14 students. The ratio metric is directly correlated with the level of K enrollment and reflects both the capture rate of births five years prior to the enrollment year and the level of in-migration. The ratio will rise or fall depending on the level of K enrollment in a given year. Future births and K enrollment and assumptions for the forecasts are discussed further in the Births to Kindergarten section.

Grade Progression Ratios

The progression of students from one grade to the next is a significant determinant of future enrollment, and therefore plays a significant role in FLO's forecasting process. FLO assesses how cohort sizes change over time by calculating GPRs—the ratio of enrollment in a specific grade in a given year to the enrollment of the same age cohort in the previous year. For instance, when 150 kindergarteners in 2017 become 140 1st graders in 2018, the GPR is 0.93. GPRs quantify how cohort sizes change as students progress to subsequent grades, by considering that not all students

advance to the next grade and that new students join existing cohorts. A GPR value greater than one indicates that the student cohort increased in size from one grade to the next. Such a result may be due to students moving into the district or students choosing to transfer into the district from other districts or nonpublic schools. Conversely, a GPR value less than one indicates that the student cohort decreased in size from one grade to the next. This may be due to students moving out of the district, students choosing to transfer to other districts or nonpublic schools, or students not advancing to the next grade.

Figure 16 depicts the GPRs for all K–12 students enrolled in the District from 2017–18 to 2022–23. Prior to 2020–21, district-wide average GPRs ranged from 0.97 to 0.99, indicating that cohort size generally declined as they advanced from one grade to the next. COVID-19 related enrollment decline in 2020–21 lead to a sharp decline in GPRs in nearly every transition and an average GPR of 0.95. GPRs increased in subsequent years (average of 0.98 and 1.02) in response to enrollment stabilizing in 2021–22 and increasing in 2022–23.

Enrollment Forecasts: Detailed Results

Births to Kindergarten

The relationship between the number of births occurring in the district and future K class sizes is vitally important to forecasting student enrollment. An increasing number of births will typically correlate to increases in enrollment and vice versa. Figure 15 shows the relationship between K enrollment and related births five years prior. Despite the expectation that the ratio metric is expected to steadily increase through the forecast period, FLO expects K enrollment to decrease through 2026–27, largely due to the realized decline in births between 2018 and 2021. While FLO expects the fertility rate to hold steady, the expectation is that the population within the area will continue to expand and contribute to a gradual increase in births that will have begun in 2022 then persist through at least 2027. The combination of an increase in forecasted births in conjunction with the anticipation of a steadily increasing ratio of kindergartners to births is expected to lead to a steady increase in K enrollment beginning in 2027–28 which then persists through 2032–33.

District-wide Middle Scenario Enrollment Forecasts

As shown in Figures 17 and 19, district-wide enrollment is forecasted to decrease from 4,920 in 2022–23 to 4,660 in 2032–33. FLO expects a slight increase (28 additional students) in district-wide enrollment next year followed by a modest contraction (16 fewer students) in 2024–25. FLO anticipates district-wide enrollment will more sharply decline in 2025–26, marking the beginning of a period of sustained enrollment decline that is expected to continue through at least 2029–30. The primary reason for the expectation of enrollment decline is tied to the decline in realized district births between 2018 and 2021. This phenomenon is expected to lead to a series of comparatively smaller PK and K cohorts entering the district between 2023–24 and 2027–28. With forecast GPRs largely indicating a slight decline as students move from one grade to the next, these PK and K cohorts are expected to steadily contract as they advance through the system, contributing to the expectation that district-wide enrollment will continue to fall through 2029–30. FLO expects enrollment to slightly increase in 2030–31 in response to a relatively small grade 12 cohort exiting the district in 2029–30, before falling again in 2031–32 and 2032–33.

From the grade group perspective (Figure 18), ES enrollment is expected to steadily decline, as a result the entry of a series of smaller early grade cohorts, through 2030–31 (285 fewer students). However, as a result of small cohorts exiting the grade group as relatively larger cohorts enter the District, ES enrollment is expected to increase in both 2031–32 (14 additional students) and 2032–

33 (38 additional students). As a result of the decline in enrollment in 2020–21 and 2021–22, MS enrollment is expected to modestly fall in 2023–24 and 2024–25. Grade 6–8 enrollment is anticipated to increase between 2025–26 and 2027–28 as a result of relatively larger cohorts advancing through the grade group. The 2028–29 school year marks the beginning of a period of enrollment decline in the grade group, largely due to smaller cohorts entering the MS grades as larger cohorts advance into the HS grade group. FLO expects 60 additional MS students through 2027–28 followed by 189 fewer students between 2027–28 and 2032–33. While there is expected to be some year-to-year variation, HS enrollment will steadily increase through much of the forecast period, adding 189 students through 2030–31 before declining in subsequent years in response to comparatively smaller cohorts entering the grade group as larger cohorts exit the system.

Methods

Demographic Terms

While both projections and forecasts represent future enrollment, the methods of prediction differ. Enrollment projections are based on past and current patterns of change and the expectation that these trends will continue. For example, suppose historical enrollment data for an ES shows an increase from 250 students in 2017 to 265 students in 2018 and to 275 students in 2019. The average rate of change observed over the past three years could have been used to prepare a projection of enrollment in 2020, under the assumption that the trend would continue into the future. In other words, a projection does not take additional factors into consideration, but rather it simply indicates what would happen if the past and current trends that underpin the projection continue into the future. In this sense, projections are strictly mathematical.

In comparison, forecasts are based on past and current patterns of change, but also incorporate predictions of how trends may change in the future. So that practitioners may evaluate a range of potential outcomes, it is common for multiple sets of forecasts to be prepared, capturing a range of scenarios, such as decreasing enrollment due to declining fertility rates or rapid enrollment growth due to residential development and in-migration. Sets of forecasts differ based on the modification of one or more variables, including birth rates, student generation or yield rates per housing type, and rates of residential housing development. Forecasts anticipate what is most likely to materialize, based on the analysis and decision-making of practitioners. In this sense, forecasts represent the art within the science of demography.

Forecast Perspectives

There are two basic types of student enrollment forecasts:

1. *Enrollment* forecasts represent the number of students expected to be enrolled in a specific school or program. Districts often refer to these values as “actual” enrollments or the number of “students attending a school.” Enrollment forecasts account for out-of-district students, intra-district transfers, special programs, etc.
2. *Resident* forecasts represent the number of students expected to reside in a certain region, whether it be the district as a whole or individual catchments. Resident forecasts are generally more accurate than enrollment forecasts because the former are not subject to the variability of student choice, school district policies, movement of program locations, and constraints on inter- and intra-district transfers imposed by building capacities.

Resident forecasts are rooted in student location; thus, with the proper granularity, they can be allocated to boundaries other than the current catchments. For instance, residence forecasts by

current catchment can be geographically disaggregated to smaller areas (e.g., neighborhoods), facilitating reallocation and aggregation to revised prospective catchment boundaries. Despite these advantages, residence forecasts do not always suit district needs.

Enrollment forecasts are often more useful than resident forecasts because they reflect realized enrollment by capturing the inter- and intra-district transfers. When comparing enrollment and resident forecasts it is important to recognize that there will be variation between the two.

Data Sources

FLO used the following data sources to inform student enrollment forecasts:

- FLO-conducted interviews with planners from the City of Somerville
- County and municipal, zoning, comprehensive plans, specific area plans, and building permits
- U.S. Census Bureau Decennial Census, American Community Survey, and Population Estimates Program demographic data
- Esri 2022/2027 U.S. Demographics data
- Massachusetts Department of Public Health
- University of Massachusetts 2018 Population Forecasts
- Refugee Processing Center
 - <https://data.tallahassee.com/refugee/massachusetts-somerville/all/all/>

Accuracy

Enrollment projections and forecasts are expected values based on assessment of current and past data, and as such, should be considered as just one of several planning tools, rather than absolute numbers for the allocation of future resources. Unlike measurable data, such as the results of a survey, projections and forecasts do not allow for the estimation of a confidence interval to measure accuracy. The best way to measure error is to compare actual enrollment with previously prepared projections or forecasts that were conducted using similar data and methodologies. Finally, when considering confidence and accuracy, the appropriate use of projections and forecasts includes an understanding that there is likely to be some degree of variation from the anticipated values. It is important that stakeholders monitor and manage the changing conditions that will affect future populations, and that projections or forecasts be updated either at a regular frequency, or when deviation of actual enrollment from the projections or forecasts is significant.

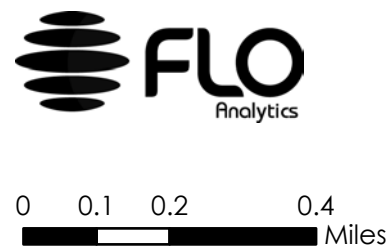
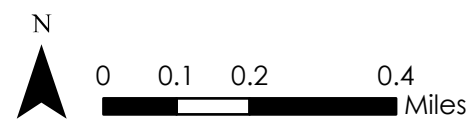
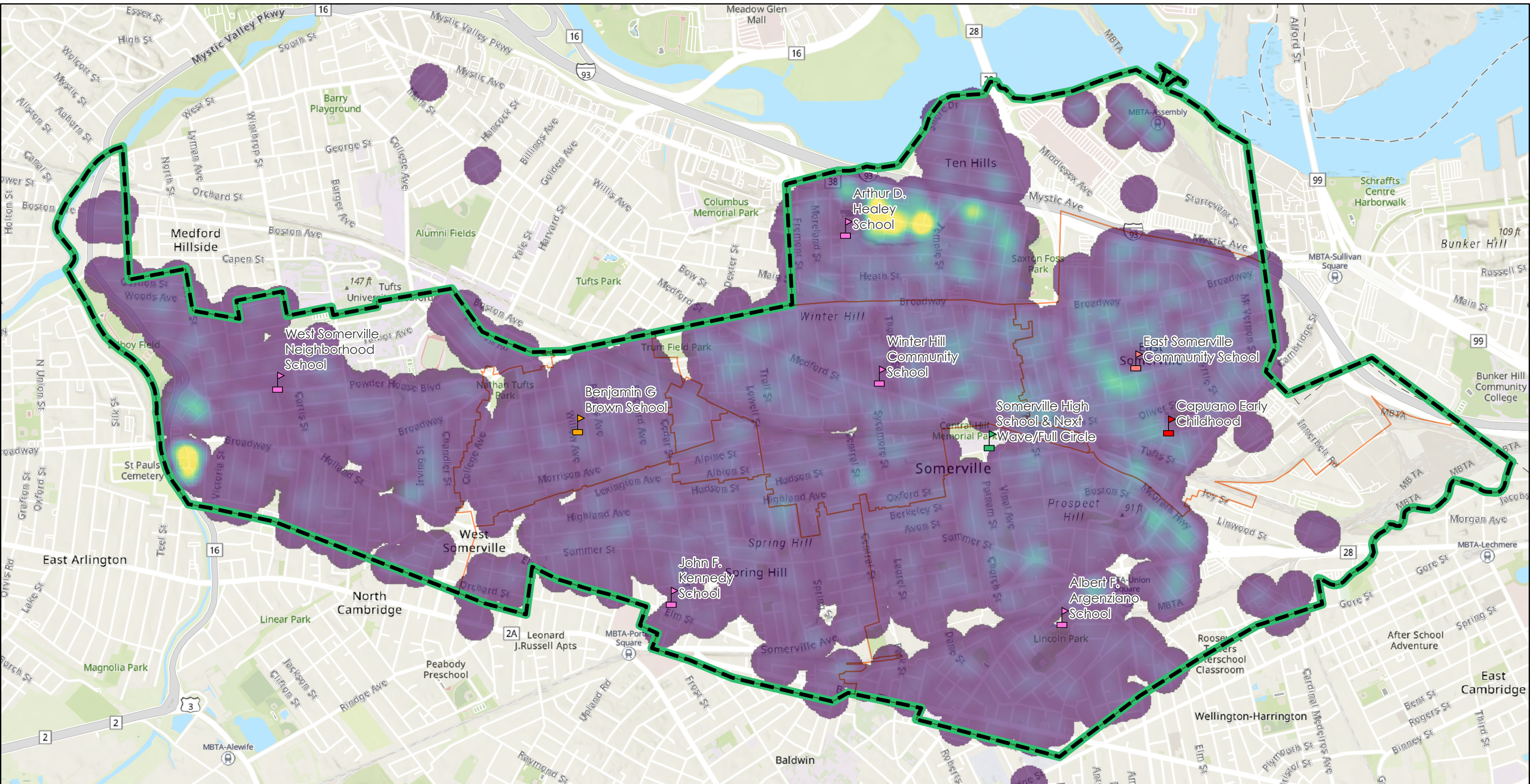


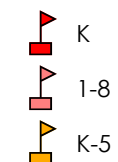
Figure 1



Student Density



School Location



Student Density



Figure 2

Figure 3: County, District, and City Population: 2000 to 2020

	2000	2010	2020	Average Annual Growth	
				2000–2010	2010–2020
Middlesex	1,465,396	1,503,085	1,632,002	0.3%	0.8%
City of Somerville/Somerville PS	77,592	75,754	81,045	-0.2%	0.7%

Figure 4: SPS Population by Age Group: 2000 to 2020

	2000	2010	2020	Average Annual Growth	
				2000–2010	2010–2020
Total Population	77,592	75,754	81,045	-0.2%	0.7%
Age 18 and over	66,117	66,620	71,792	0.1%	0.8%
Under age 18	11,475	9,134	9,253	-2.3%	0.1%
Under 18 share of total	15%	12%	11%	--	--

Figure 3 and 4 source: U.S. Census Bureau, 2000, 2010, and 2020 Censuses.

Figure 5: Student Generation Rates

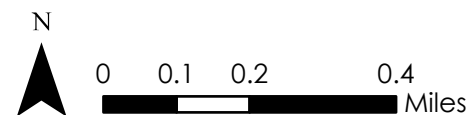
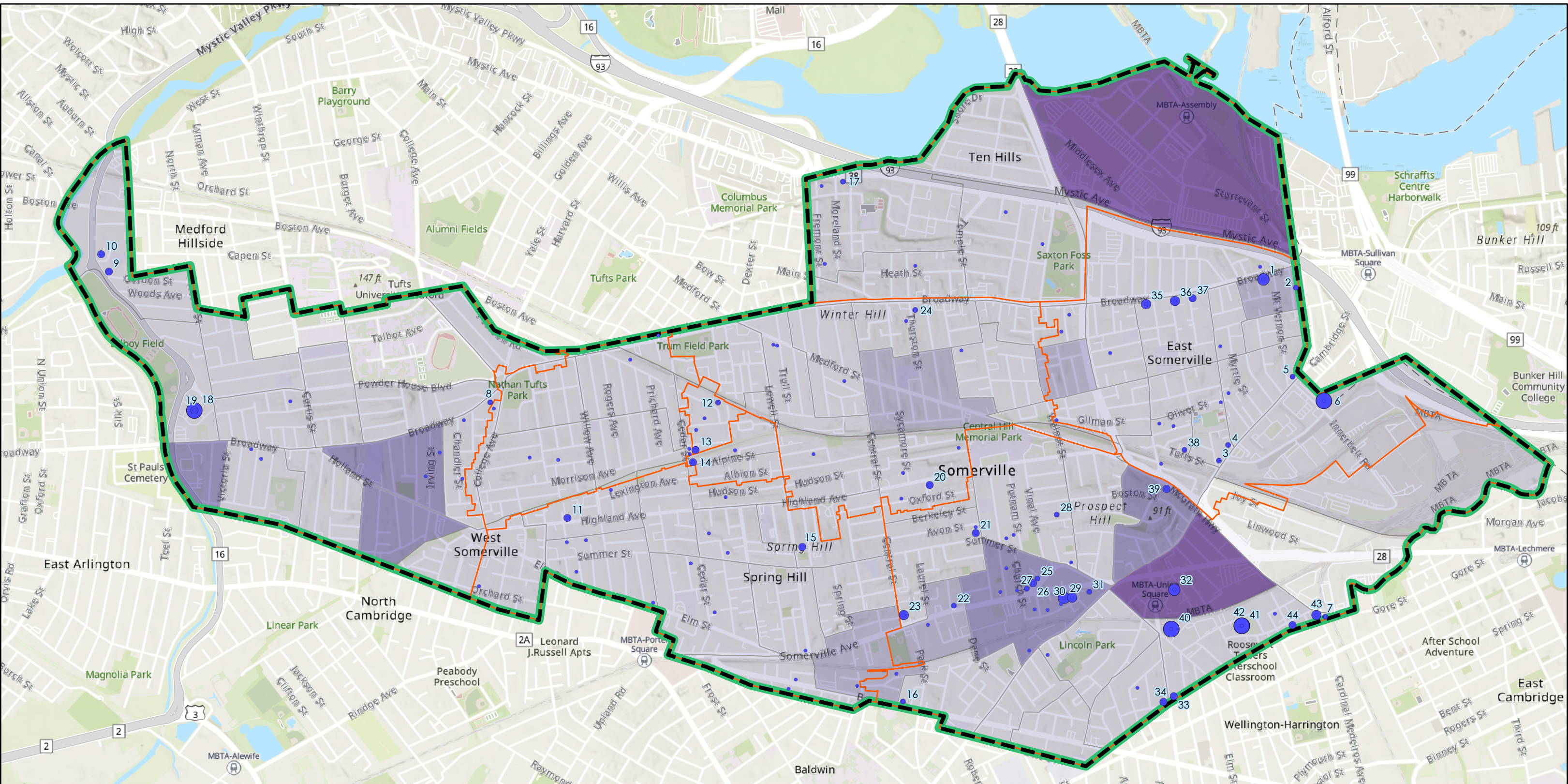
Summary of Generation Rates Used for New Development	K–12 Students per Single-family (SF) Unit	K–12 Students per Multifamily (MF) Unit
Overall Average Rates	N/A	0.18
Highest Rate Used for a Development	N/A	0.33
Lowest Rate Used for a Development	N/A	0.10

While overall average student generation rates used in preparing the forecasts were 0.18 K-12 students/MF unit, the specific rates used for each development were carefully determined on an individual basis. Broadly speaking, we merge as much information as possible when determining rates to apply to each development. Information considered includes:

- 1) existing students per housing unit for SF and MF within individual neighborhood
- 2) development-specific expectations provided by planners (e.g., housing targeting families)
- 3) educated assumptions about new or changing housing development trend



Residential Development



Multifamily Units

- Fewer than 5 units
- 5 - 16
- 17 - 32
- 33 - 55

- 56 - 94
- 95 - 355

Unspecified Projected Units (by block group)

- 0-1
- 2-5
- 6-16
- 17-31
- 32-133

District Boundary

K-8 Attendance Area

High School Attendance Area

Label

Correspond to Map IDs on Figure 7.

Developments with fewer than 5 total units are not labeled.

Development point data provided by local planning departments. Unspecified projected units per block group sourced from ESRI demographics.

Figure 6

Figure 7 Residential Development

Map ID	Jurisdiction	Source	Type	Total Units
1	Somerville	Somerville Planning Dept.	MF	91
2	Somerville	Somerville Planning Dept.	MF	10
3	Somerville	Somerville Planning Dept.	MF	5
4	Somerville	Somerville Planning Dept.	MF	6
5	Somerville	Somerville Planning Dept.	MF	9
6	Somerville	Somerville Planning Dept.	MF	205
7	Somerville	Somerville Planning Dept.	MF	13
8	Somerville	Somerville Planning Dept.	MF	11
9	Somerville	Somerville Planning Dept.	MF	23
10	Somerville	Somerville Planning Dept.	MF	21
11	Somerville	Somerville Planning Dept.	MF	22
12	Somerville	Somerville Planning Dept.	MF	10
13	Somerville	Somerville Planning Dept.	MF	28
14	Somerville	Somerville Planning Dept.	MF	27
15	Somerville	Somerville Planning Dept.	MF	20
16	Somerville	Somerville Planning Dept.	MF	9
17	Somerville	Somerville Planning Dept.	MF	6
18	Somerville	Somerville Planning Dept.	MF	355
19	Somerville	Somerville Planning Dept.	MF	20
20	Somerville	Somerville Planning Dept.	MF	19
21	Somerville	Somerville Planning Dept.	MF	27
22	Somerville	Somerville Planning Dept.	MF	5
23	Somerville	Somerville Planning Dept.	MF	38
24	Somerville	Somerville Planning Dept.	MF	6
25	Somerville	Somerville Planning Dept.	MF	11
26	Somerville	Somerville Planning Dept.	MF	24
27	Somerville	Somerville Planning Dept.	MF	10
28	Somerville	Somerville Planning Dept.	MF	11
29	Somerville	Somerville Planning Dept.	MF	94
30	Somerville	Somerville Planning Dept.	MF	55
31	Somerville	Somerville Planning Dept.	MF	10
32	Somerville	Somerville Planning Dept.	MF	68
33	Somerville	Somerville Planning Dept.	MF	29
34	Somerville	Somerville Planning Dept.	MF	32
35	Somerville	Somerville Planning Dept.	MF	42
36	Somerville	Somerville Planning Dept.	MF	39
37	Somerville	Somerville Planning Dept.	MF	20
38	Somerville	Somerville Planning Dept.	MF	16
39	Somerville	Somerville Planning Dept.	MF	22
40	Somerville	Somerville Planning Dept.	MF	206
41	Somerville	Somerville Planning Dept.	MF	240
42	Somerville	Somerville Planning Dept.	MF	200
43	Somerville	Somerville Planning Dept.	MF	44
44	Somerville	Somerville Planning Dept.	MF	17
--	Somerville	Somerville Planning Dept.	MF	94 ^(a)
--	Somerville	--	UNK	693 ^(b)
Total				2,176

(a) Sum of developments with fewer than 5 units

(b) Sum of unspecified (UNK) projected units sourced from Esri Demographics per block group

Figure 8: Historical and Current Enrollment per Grade

District-wide Totals

Grade	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2012-13 to 2022-23
PK	287	328	330	323	339	344	343	324	245	245	289	2
K	480	452	467	447	420	430	424	436	396	353	367	-113
1	442	455	419	422	429	389	419	416	400	362	397	-45
2	363	425	427	407	424	411	380	380	385	391	385	22
3	379	345	405	423	371	405	404	367	343	362	399	20
4	369	377	332	377	402	350	381	385	334	305	362	-7
5	375	351	346	313	374	378	346	372	365	325	297	-78
6	356	356	333	332	299	355	358	341	350	358	335	-21
7	276	337	345	303	336	300	347	353	322	343	357	81
8	339	263	338	348	297	327	287	346	338	321	341	2
9	379	378	322	378	383	332	342	333	350	399	360	-19
10	340	340	367	308	366	349	324	337	309	345	401	61
11	315	318	313	327	283	337	334	306	342	292	327	12
12	326	316	325	298	316	281	322	331	288	335	294	-32
SP	5	9	8	16	15	15	21	21	21	19	9	4
District Total	5,031	5,050	5,077	5,022	5,054	5,003	5,032	5,048	4,788	4,755	4,920	-111

Somerville Public School October 2012–13 to 2022–23 enrollment (headcount) by grade. Enrollment values omit students attending GenEd DYS and Incarcerated programs. The lowest and highest enrollment values per grade are highlighted blue and orange, respectively. Sparklines are colored blue, gray, or orange to illustrate 10-year decline, stasis (a change of fewer than 10 students), or growth. Abrupt changes in enrollment are likely due to deliberate student placement or attendance boundary changes.

Figure 9: Historical and Current Enrollment per School

Schools (PK-12)

School Name	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2012-13 to 2022-23
Argenziano	568	586	569	581	564	584	616	625	590	544	545	-23
Brown	287	285	287	269	236	231	229	249	225	181	213	-74
East Somerville	506	645	668	700	725	720	719	730	720	697	729	223
Healey	534	497	529	474	428	451	450	474	446	457	510	-24
Kennedy	448	451	439	445	471	456	441	447	451	436	442	-6
Somerville HS	1,276	1,265	1,237	1,231	1,259	1,215	1,251	1,228	1,215	1,304	1,299	23
West Somerville	368	367	370	359	377	371	370	396	380	371	370	2
Winter Hill	418	395	446	428	462	459	439	439	391	418	429	11
Capuano	440	365	367	341	332	314	332	282	202	195	215	-225
Full Circle	48	56	55	51	61	52	48	54	56	52	53	5
Next Wave and Full Circle	29	28	20	26	16	15	14	15	15	18	15	-14
PK-12 Total	4,922	4,940	4,987	4,905	4,931	4,868	4,909	4,939	4,691	4,673	4,820	-102

Other Placement Schools (PK-12)

School Name	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2012-13 to 2022-23
Outplace SpEd_App	47	47	46	58	59	55	52	54	49	47	52	5
Outplace SpEd_Collab	11	14	9	15	12	12	12	11	10	11	19	8
Outplace SpEd_DYS	2	0	1	1	1	0	0	0	0	0	0	-2
Outplace SpEd_Private	5	3	3	2	2	0	0	0	0	0	0	-5
Outplace SpEd_Private Out-of-State	2	3	3	2	1	2	2	2	1	0	0	-2
Outplace SpEd_Unapp	2	4	1	0	0	0	0	0	0	0	0	-2
Outplace SpEd_Uncat	4	3	5	6	4	4	1	2	0	0	0	-4
SpEd Homeschooled	8	12	4	13	12	23	23	21	21	16	16	8
SpEd PreK or Beyond Grade 12	28	24	18	20	32	39	33	19	16	8	13	-15
PK-12 Total	109	110	90	117	123	135	123	109	97	82	100	-9

Totals

School Name	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2012-13 to 2022-23
District Total	5,031	5,050	5,077	5,022	5,054	5,003	5,032	5,048	4,788	4,755	4,920	-83

Somerville Public School October 2012–13 to 2022–23 enrollment (headcount) by grade. Enrollment values omit students attending GenEd DYS and Incarcerated programs. The lowest and highest enrollment values per grade are highlighted blue and orange, respectively. Sparklines are colored blue, gray, or orange to illustrate 5-year decline, stasis (a change of fewer than 10 students), or growth. Abrupt changes in enrollment are likely due to deliberate student placement or attendance boundary changes.

Figure 10: 2022–2023 District-wide Transfer Rates

Grade Group	Enrollment In-District	Enrollment Out-of-District	Enrollment Total	Transfers Intra-district	Transfers Total	Transfer Rate Intra-district	Transfer Rate Out-of-District	Transfer Rate Total
K	358	9	367	162	171	45.3%	2.5%	46.6%
1-5	1,805	34	1,839	783	817	43.4%	1.8%	44.4%
6-8	1,003	30	1,033	467	497	46.6%	2.9%	48.1%
9-12	1,339	43	1,382	79	122	5.9%	3.1%	8.8%
District-wide	4,505	116	4,621	1,491	1,607	33.1%	2.5%	34.8%

Somerville Public Schools October 2022–23 enrollment. Enrollment values omit students enrolled in preschool and grade SP. Residence counts are based on current attendance area boundaries, as of the 2022–23 school year.

Figure 11: 2022–2023 Kindergarden Enrollment Patterns
Residence-Attendance Matrix

<div> <div>School of Attendance</div> <div>Attendance Area</div> </div>	Residence Count	Argenziano	Brown	Capuano	East Somerville	Healey	Kennedy	West Somerville	Winter Hill	Outplace SpEd Approved	SpEd Homeschooled	Capture Rate	Transfer Out Student Total	Transfer Out Rate
Argenziano	68	46	1	7	9	1	1	0	3	0	0	67.6%	22	32.4%
Brown	30	0	22	2	0	0	3	2	1	0	0	73.3%	8	26.7%
Capuano	48	6	1	17	17	5	0	0	2	0	0	35.4%	31	64.6%
Healey	68	1	0	11	14	32	3	0	7	0	0	47.1%	36	52.9%
Kennedy	40	1	8	0	0	1	26	1	2	1	0	65.0%	14	35.0%
West Somerville	49	1	4	1	1	1	6	33	1	0	1	67.3%	16	32.7%
Winter Hill	55	1	6	5	12	6	5	0	20	0	0	36.4%	35	63.6%
Kindergarden Subtotals	358	56	42	43	53	46	44	36	36	1	1	54.7%	162	45.3%
Out of District	9	1	1	0	2	3	0	1	1	0	0		9	
Kindergarden Totals	367	57	43	43	55	49	44	37	37	1	1		171	
Transfer In Student Total	171	11	21	26	55	17	18	4	17	1	1			
Transfer In Rate	0	19.3%	48.8%	60.5%	100.0%	34.7%	40.9%	10.8%	45.9%	100.0%	100.0%			

Somerville Public Schools October 2022–23 enrollment. Enrollment values omit students enrolled in preschool and grade SP. Residence counts are based on current attendance area boundaries, as of the 2022–23 school year.

Figure 12: 2022–2023 Enrollment Patterns Grades 1-5
Residence-Attendance Matrix

<div> <div>School of Attendance</div> <div>Attendance Area</div> </div>	Residence Count	Argenziano	Brown	Capuano	East Somerville	Healey	Kennedy	West Somerville	Winter Hill	Outplace SpEd Approved	Outplace SpEd Collab Program	SpEd Homeschooled	Capture Rate	Transfer Out Student Total	Transfer Out Rate
Argenziano	302	209	8	1	49	6	17	0	6	4	0	2	69.2%	93	30.8%
Brown	125	1	69	0	6	8	20	11	9	0	0	1	55.2%	56	44.8%
East Somerville	329	47	8	3	220	22	9	0	18	1	1	0	66.9%	109	33.1%
Healey	385	16	18	2	81	186	26	1	50	2	3	0	48.3%	199	51.7%
Kennedy	147	17	20	1	5	4	86	2	9	0	1	2	58.5%	61	41.5%
West Somerville	247	4	25	0	10	8	21	168	7	0	4	0	68.0%	79	32.0%
Winter Hill	270	26	21	2	44	48	35	6	84	2	1	1	31.1%	186	68.9%
1-5 Subtotals	1,805	320	169	9	415	282	214	188	183	9	10	6	56.6%	783	43.4%
Out of District	34	5	1	0	8	10	3	2	3	2	0	0		34	
1-5 Totals	1,839	325	170	9	423	292	217	190	186	11	10	6		817	
Transfer In Student Total	817	116	101	9	203	106	131	22	102	11	10	6			
Transfer In Rate	44.4%	35.7%	59.4%	100.0%	48.0%	36.3%	60.4%	11.6%	54.8%	100.0%	100.0%	100.0%			

Somerville Public Schools October 2022–23 enrollment. Enrollment values omit students enrolled in preschool and grade SP. Residence counts are based on current attendance area boundaries, as of the 2022–23 school year.

Figure 13: 2022–2023 Middle School Enrollment Patterns
Residence-Attendance Matrix

<div> <div>School of Attendance</div> <div>Attendance Area</div> </div>	Residence Count	Argenziano	East Somerville	Healey	Kennedy	West Somerville	Winter Hill	Next Wave	Outplace SpEd Approved	Outplace SpEd Collab Program	SpEd Homeschooled	Capture Rate
Argenziano	158	90	21	6	11	3	23	2	1	1	0	57.0%
East Somerville	230	22	138	8	12	1	44	3	0	1	1	60.0%
Healey	198	7	28	95	15	10	37	4	2	0	0	48.0%
Kennedy	79	8	6	5	49	0	9	0	1	0	1	62.0%
West Somerville	163	2	4	10	35	101	5	2	1	0	3	62.0%
Winter Hill	175	15	28	16	36	9	63	2	4	1	1	36.0%
6-8 Subtotals	1,003	144	225	140	158	124	181	13	9	3	6	53.4%
Out of District	30	1	7	6	5	1	7	2	0	1	0	
6-8 Totals	1,033	145	232	146	163	125	188	15	9	4	6	
Transfer In Student Total	497	55	94	51	114	24	125	15	9	4	6	
Transfer In Rate	48.1%	37.9%	40.5%	34.9%	69.9%	19.2%	66.5%	100.0%	100.0%	100.0%	1	

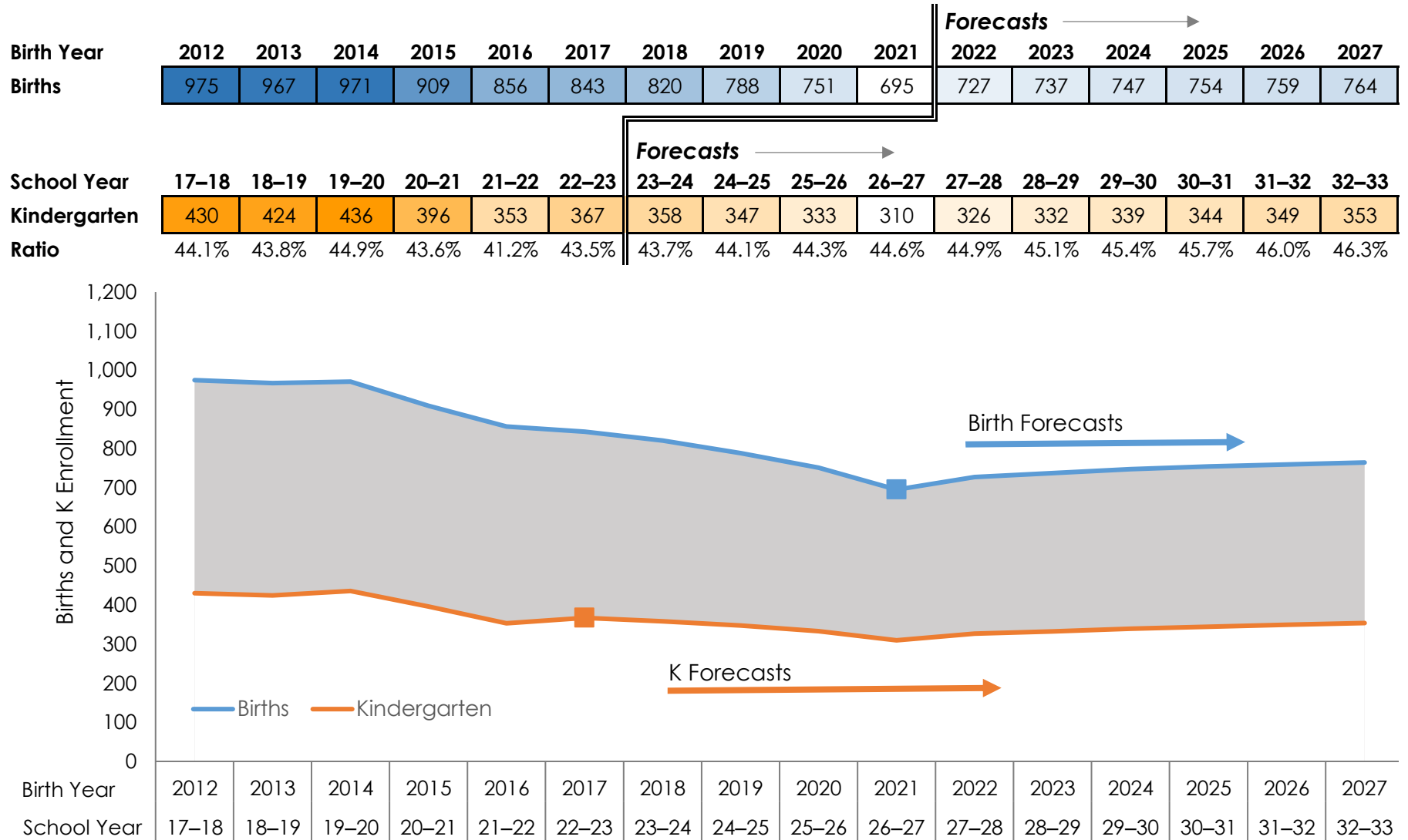
Somerville Public Schools October 2022–23 enrollment. Enrollment values omit students enrolled in preschool and grade SP. If based on current attendance area boundaries, as of the 2022–23 school year.

Figure 14: 2022–2023 High School Enrollment Patterns
Residence-Attendance Matrix

<div> <div>School of Attendance</div> <div>Attendance Area</div> </div>	Residence Count	Somerville High	Full Circle	Outplace SpEd Approved	Outplace SpEd Collab Program	SpEd Homeschooled	Capture Rate	Transfer Out Student Total	Transfer Out Rate
Somerville High	1,339	1,260	51	22	3	3	94.1%	79	5.9%
9-12 Subtotals	1,339	1,260	51	22	3	3	94.1%	79	5.9%
Out of District	43	39	2	2	0	0		43	
9-12 Totals	1,382	1,299	53	24	3	3		122	
Transfer In Student Total	122	39	53	24	3	3			
Transfer In Rate	8.8%	3.0%	100.0%	100.0%	100.0%	100.0%			

Somerville Public Schools October 2022–23 enrollment. Enrollment values omit students enrolled in preschool and grade SP. Residence counts are based on current attendance area boundaries, as of the 2022–23 school year.

Figure 15: District Births and Kindergarten Enrollment



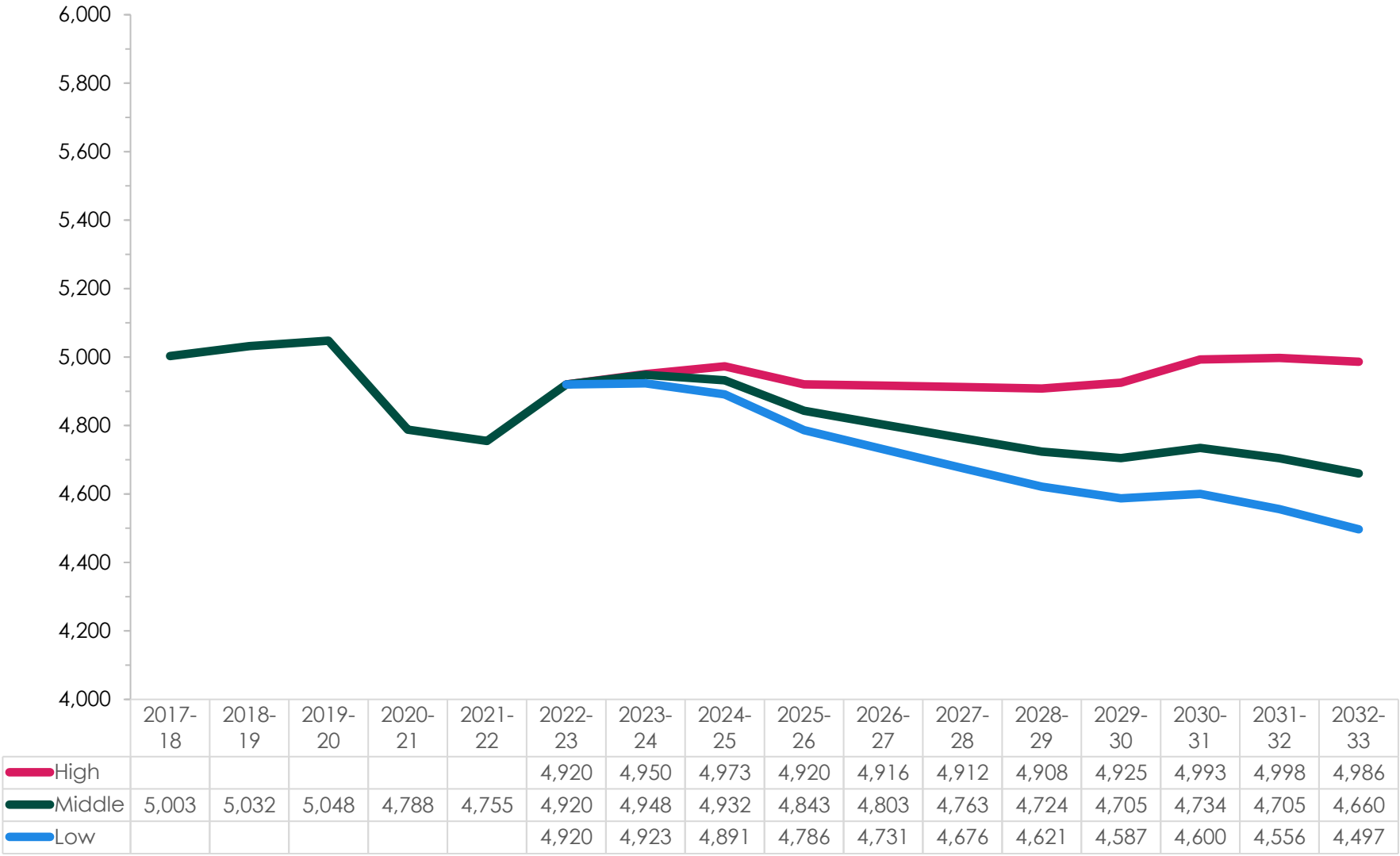
Births to mothers residing within the district boundary published by the MDPH for 2012 to 2021, and students residing within the district and enrolled at district schools in the 2017-18 to 2022-23 school years. Birth cohorts are aligned with kindergarten cohorts (e.g., the births within the 2019 birth year represent an allocation of one-third of 2018 births and two-thirds of 2019 births, estimating the September to August birth cohort). The ratio is calculated by dividing each K enrollment by the births five years earlier (e.g., October 2019 K divided by 2014 births). Births from 2022 to 2027, which inform K classes beginning with the 2027-28 school year, were forecasted based on projections of women of childbearing age and estimates age-specific birth rates.

Figure 16: Grade Progression Ratios

Grade Progression Ratios	2017–18	2018–19	2019–20	2020–21	2021–22	2022–23	3-year pre-COVID Average	Forecast GPR
K–1	0.93	0.97	0.98	0.92	0.91	1.12	0.96	0.98
1–2	0.96	0.98	0.91	0.93	0.98	1.06	0.95	0.99
2–3	0.96	0.98	0.97	0.90	0.94	1.02	0.97	0.97
3–4	0.94	0.94	0.95	0.91	0.89	1.00	0.95	0.95
4–5	0.94	0.99	0.98	0.95	0.97	0.97	0.97	0.98
5–6	0.95	0.95	0.99	0.94	0.98	1.03	0.96	0.97
6–7	1.00	0.98	0.99	0.94	0.98	1.00	0.99	0.99
7–8	0.97	0.96	1.00	0.96	1.00	0.99	0.98	0.99
8–9	1.12	1.05	1.16	1.01	1.18	1.12	1.11	1.13
9–10	0.91	0.98	0.99	0.93	0.99	1.01	0.96	1.00
10–11	0.92	0.96	0.94	1.01	0.94	0.95	0.94	0.94
11–12	0.99	0.96	0.99	0.94	0.98	1.01	0.98	0.97
Average	0.97	0.97	0.99	0.95	0.98	1.02	0.98	-

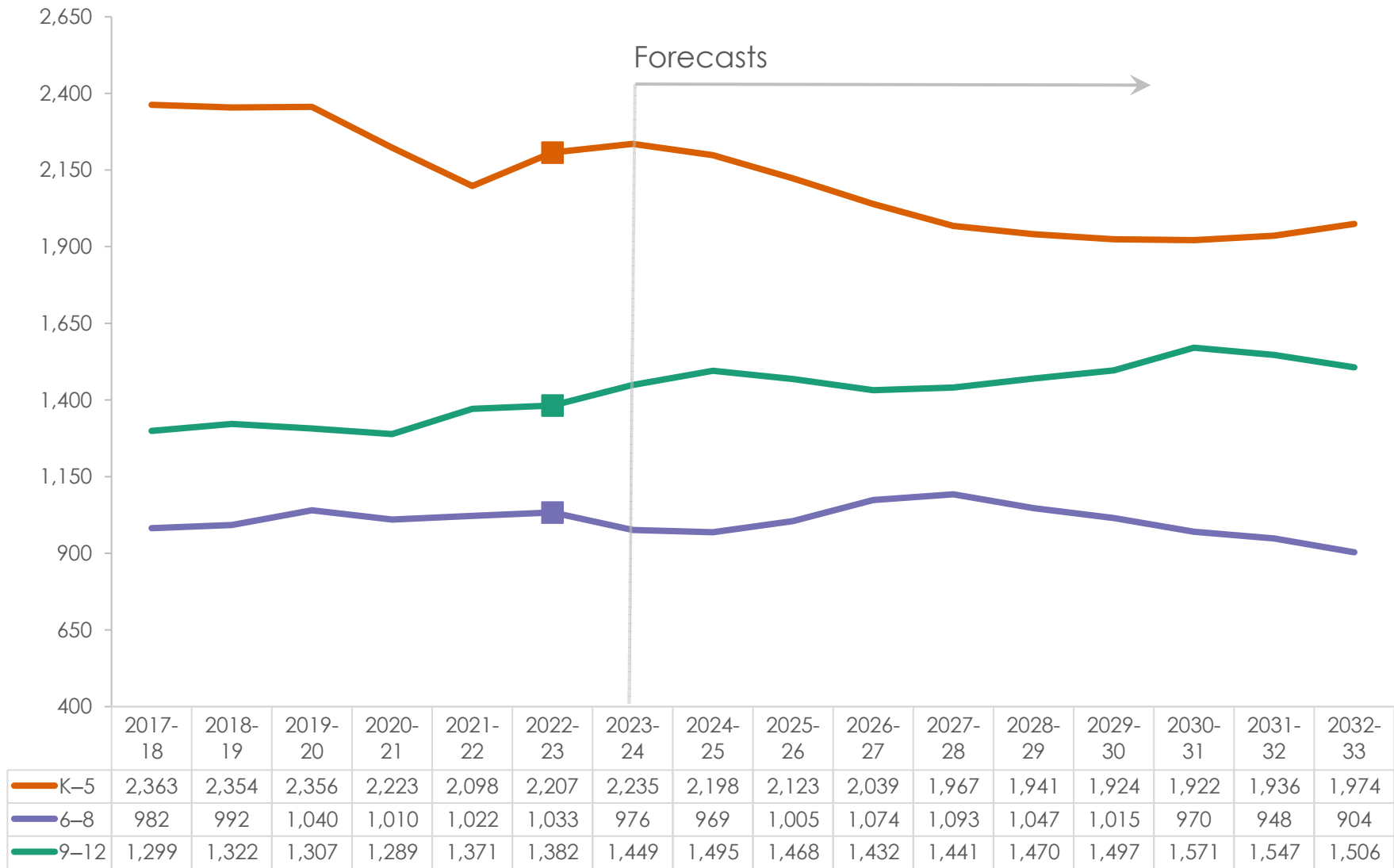
Historical and middle scenario forecast grade progression ratios (GPR) based on District resident October enrollment, not including out-of-district residents. GPRs are calculated as the ratio of enrollment in a specific grade in a given year to the enrollment of the same age cohort in the previous year. For instance, 150 kindergarteners in 2017 becoming 140 first graders in 2018 yields a GPR of 0.93. GPRs quantify how cohort sizes change as students progress to subsequent grades by considering that not all students advance to the next grade and new students join existing cohorts. A GPR value greater than 1.0 indicates that the student cohort increased in size from one grade to the next. Conversely, a GPR value less than 1.0 indicates that the student cohort decreased in size from one grade to the next.

Figure 17: District-wide Enrollment Forecasts: Low, Middle, and High Scenarios



Somerville Public Schools October 2022–23 enrollment and FLO 2023–24 to 2032–33 enrollment forecasts (middle, or preferred, scenario). Enrollment values omit students enrolled in GenEd DYS and Incarcerated programs. Includes Pre-Kindergarten an SP.

Figure 18: District-wide Enrollment Forecasts by Grade Group: Middle (Preferred) Scenario



Somerville Public Schools October 2022-23 enrollment and FLO 2023-24 to 2032-33 enrollment forecasts (middle, or preferred, scenario). Enrollment values omit students enrolled in GenEd DYS and Incarcerated programs. This figure does not include Pre-Kindergarten or SP.

Figure 19: Enrollment Forecasts by Individual Grade: Middle Scenario

Grade	2022–23	2023–24	2024–25	2025–26	2026–27	2027–28	2028–29	2029–30	2030–31	2031–32	2032–33
PK	289	272	254	231	242	246	250	253	256	258	260
K	367	358	347	333	310	326	332	339	344	349	353
1	397	361	355	344	330	307	323	328	335	340	345
2	385	399	360	354	343	329	307	322	328	334	339
3	399	384	392	354	349	338	325	302	317	322	329
4	362	381	368	375	338	333	324	311	289	303	308
5	297	352	376	363	370	334	330	321	308	286	300
6	335	293	347	371	360	366	330	328	319	305	283
7	357	335	290	345	370	358	363	328	327	318	304
8	341	348	331	289	344	368	354	359	325	325	316
9	360	386	395	377	328	391	417	402	409	371	373
10	401	361	386	395	376	329	392	416	403	410	372
11	327	383	342	365	373	357	313	373	395	382	389
12	294	319	372	332	354	363	348	306	364	384	372
SP	9	16	16	16	16	16	16	16	16	16	16
PK	289	272	254	231	242	246	250	253	256	258	260
K–5	2,207	2,235	2,198	2,123	2,039	1,967	1,941	1,924	1,922	1,936	1,974
6–8	1,033	976	969	1,005	1,074	1,093	1,047	1,015	970	948	904
9–12	<u>1,382</u>	<u>1,449</u>	<u>1,495</u>	<u>1,468</u>	<u>1,432</u>	<u>1,441</u>	<u>1,470</u>	<u>1,497</u>	<u>1,571</u>	<u>1,547</u>	<u>1,506</u>
Sub-Total	4,911	4,932	4,916	4,827	4,787	4,747	4,708	4,689	4,718	4,689	4,644
SP	<u>9</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>
Total	4,920	4,948	4,932	4,843	4,803	4,763	4,724	4,705	4,734	4,705	4,660

Somerville Public Schools October 2022–23 enrollment and FLO 2023–24 to 2032–33 enrollment forecasts (middle, or preferred, scenario). Enrollment values omit students enrolled in GenEd DYS and Incarcerated programs.

Figure 20: Enrollment Forecasts by School/Program: Middle Scenario

School Name	2022–23	2023–24	2024–25	2025–26	2026–27	2027–28	2028–29	2029–30	2030–31	2031–32	2032–33
Argenziano	545	544	542	536	535	528	526	529	524	526	529
Brown	213	214	211	200	189	178	174	172	171	174	178
East Somerville	729	693	677	660	659	644	632	622	610	613	612
Healey	510	502	502	496	495	479	464	454	449	448	446
Kennedy	442	448	439	435	434	439	420	406	398	390	386
Somerville HS	1,299	1,368	1,414	1,387	1,351	1,360	1,389	1,415	1,490	1,466	1,425
West Somerville	370	367	363	368	371	366	359	353	345	342	340
Winter Hill	429	421	405	398	403	400	385	375	367	365	361
Capuano	215	214	203	187	190	195	198	200	203	204	206
Full Circle	53	53	53	53	53	53	53	53	53	53	53
Next Wave and Full Circle	15	16	16	16	16	16	16	16	16	16	16
PK-12 Total	4,820	4,840	4,825	4,737	4,696	4,656	4,617	4,598	4,627	4,597	4,553

Outplace SpEd_App	52	51	51	51	51	51	51	51	51	51	51
Outplace SpEd_Collab	19	19	19	19	19	19	19	19	19	19	19
Outplace SpEd_Private Out-of-State Total	0	1	1	1	1	1	1	1	1	1	1
SpEd Homeschooled	16	24	24	24	24	24	24	24	24	24	24
SpEd PreK or Beyond Grade 12	13	12	11	12	12	12	12	12	12	12	12
PK-12 Total	100	107	106	107	107	107	107	107	107	107	107

District-wide Total	4,920	4,947	4,931	4,843	4,803	4,763	4,724	4,705	4,734	4,705	4,660
----------------------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------

Somerville Public Schools October 2022–23 enrollment and FLO 2023–24 to 2032–33 enrollment forecasts (middle, or preferred, scenario). Enrollment values omit students enrolled in GenEd DYS and Incarcerated programs.

Figure 21: Enrollment Forecasts by Individual Grade: Low Scenario

Grade	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
PK	289	271	252	228	238	242	245	247	249	250	251
K	367	356	344	329	305	320	325	331	334	338	341
1	397	359	352	340	325	301	316	320	326	329	333
2	385	397	357	350	338	323	300	314	318	324	328
3	399	382	389	350	343	332	318	294	308	312	317
4	362	379	364	370	333	327	317	303	281	294	297
5	297	350	373	359	364	328	323	313	299	277	289
6	335	291	344	367	354	360	323	320	309	296	273
7	357	333	288	341	365	352	355	320	317	308	293
8	341	346	329	285	339	361	346	350	316	315	305
9	360	384	392	372	323	384	408	392	397	359	360
10	401	359	382	390	371	323	384	406	391	397	359
11	327	381	339	360	368	350	306	363	384	370	375
12	294	318	369	329	349	357	340	298	354	372	359
SP	9	16	16	16	16	16	16	16	16	15	15
PK	289	271	252	228	238	242	245	247	249	250	251
K-5	2,207	2,224	2,180	2,098	2,009	1,931	1,899	1,876	1,867	1,874	1,905
6-8	1,033	971	961	993	1,058	1,073	1,024	989	943	918	872
9-12	<u>1,382</u>	<u>1,442</u>	<u>1,483</u>	<u>1,451</u>	<u>1,410</u>	<u>1,414</u>	<u>1,438</u>	<u>1,459</u>	<u>1,526</u>	<u>1,498</u>	<u>1,453</u>
Sub-Total	4,911	4,907	4,875	4,771	4,715	4,660	4,606	4,571	4,585	4,540	4,481
SP	<u>9</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>15</u>	<u>15</u>
Total	4,920	4,923	4,891	4,786	4,731	4,676	4,621	4,587	4,600	4,556	4,497






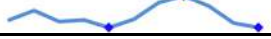


















Somerville Public Schools October 2022-23 enrollment and FLO 2023-24 to 2032-33 enrollment forecasts (low scenario). Enrollment values omit students enrolled in GenEd DYS and Incarcerated programs.

Figure 22: Enrollment Forecasts by Individual Grade: High Scenario



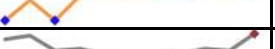
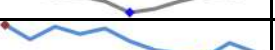




















Grade	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
PK	289	272	256	234	248	254	260	265	270	274	278
K	367	358	350	338	317	337	345	355	363	371	378
1	397	361	358	349	337	316	335	344	353	361	369
2	385	399	363	360	351	340	319	338	346	355	363
3	399	384	395	360	357	348	337	316	334	342	352
4	362	381	371	381	346	344	337	326	305	322	329
5	297	352	379	369	379	344	343	336	325	304	321
6	335	293	350	377	368	378	343	343	336	324	303
7	357	335	293	351	379	369	377	343	344	337	325
8	341	348	334	293	352	380	368	376	343	346	338
9	360	386	398	383	336	404	433	421	431	394	399
10	401	361	389	401	385	340	408	436	425	435	398
11	327	383	345	370	382	368	325	390	416	406	416
12	294	319	375	338	362	375	362	320	384	408	398
SP	9	16	16	16	16	17	17	17	17	17	17
PK	289	272	256	234	248	254	260	265	270	274	278
K-5	2,207	2,236	2,216	2,157	2,087	2,029	2,017	2,014	2,026	2,056	2,113
6-8	1,033	976	977	1,021	1,099	1,127	1,088	1,062	1,023	1,007	967
9-12	<u>1,382</u>	<u>1,449</u>	<u>1,507</u>	<u>1,492</u>	<u>1,466</u>	<u>1,486</u>	<u>1,527</u>	<u>1,567</u>	<u>1,657</u>	<u>1,643</u>	<u>1,612</u>
Sub-Total	4,911	4,934	4,957	4,904	4,900	4,896	4,892	4,908	4,976	4,981	4,969
SP	<u>9</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>16</u>	<u>17</u>	<u>17</u>	<u>17</u>	<u>17</u>	<u>17</u>	<u>17</u>
Total	4,920	4,950	4,973	4,920	4,916	4,912	4,908	4,925	4,993	4,998	4,986

Somerville Public Schools October 2022-23 enrollment and FLO 2023-24 to 2032-33 enrollment forecasts (high scenario). Enrollment values omit students enrolled in GenEd DYS and Incarcerated programs.







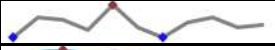



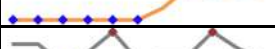





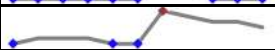
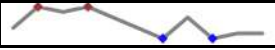





Appendix A: Historical and Current Enrollment per School - Hours of Service for Special Education

Schools (K-12)													
School Name	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2012-13 to 2022-23	
Argenziano	568	586	569	581	564	584	616	625	590	544	545		-23
High	7	0	1	3	1	0	1	0	0	1	0		-7
Low - 2 hours or more	22	23	22	27	26	25	22	18	17	16	26		4
Low - Less than 2 hours	24	21	27	35	38	25	17	17	17	15	20		-4
Moderate	15	17	23	16	19	32	30	26	19	20	19		4
NA	500	525	496	500	480	502	546	564	537	492	480		-20
Brown	287	285	287	269	236	231	229	249	225	181	213		-74
High	0	0	0	0	0	0	1	0	0	0	1		1
Low - 2 hours or more	3	3	2	1	1	5	9	6	4	4	5		2
Low - Less than 2 hours	11	12	8	8	14	13	16	19	12	9	6		-5
Moderate	6	5	10	8	5	6	4	5	5	4	5		-1
NA	267	265	267	252	216	207	199	219	204	164	196		-71
East Somerville	506	645	668	700	725	720	719	730	720	697	729		223
High	8	18	18	18	14	15	21	18	15	10	8		0
Low - 2 hours or more	27	36	35	41	44	40	42	41	41	43	38		11
Low - Less than 2 hours	19	33	29	32	21	23	24	13	19	19	25		6
Moderate	26	19	27	27	44	49	41	41	20	33	29		3
NA	426	539	559	582	602	593	591	617	625	592	629		203
Healey	534	497	529	474	428	451	450	474	446	457	510		-24
High	24	18	24	16	15	18	20	25	17	13	7		-17
Low - 2 hours or more	42	45	47	34	36	36	26	23	27	30	30		-12
Low - Less than 2 hours	29	30	27	31	27	24	28	23	20	28	29		0
Moderate	37	40	38	48	26	38	42	46	40	33	29		-8
NA	402	364	393	345	324	335	334	357	342	353	415		13




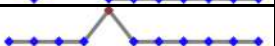

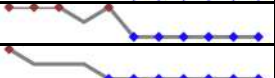







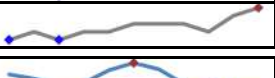
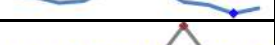

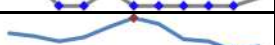


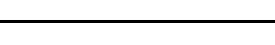


Appendix A: Historical and Current Enrollment per School - Hours of Service for Special Education

Kennedy	448	451	439	445	471	456	441	447	451	436	442		-6
High	60	65	63	64	65	53	43	44	36	31	24		-36
Low - 2 hours or more	14	23	14	25	26	25	28	26	27	27	28		14
Low - Less than 2 hours	30	32	24	25	22	16	18	22	25	24	33		3
Moderate	25	17	24	20	23	16	11	9	7	15	10		-15
NA	319	314	314	311	335	346	341	346	356	339	347		28
Somerville HS	1,276	1,265	1,237	1,231	1,259	1,215	1,251	1,228	1,215	1,304	1,299		23
High	32	19	28	24	30	37	32	27	28	28	19		-13
Low - 2 hours or more	63	70	68	64	48	42	49	43	41	55	66		3
Low - Less than 2 hours	26	18	15	21	14	18	17	16	12	12	15		-11
Moderate	99	99	103	110	121	109	115	117	125	135	129		30
NA	1,056	1,059	1,023	1,012	1,046	1,009	1,038	1,025	1,009	1,074	1,070		14
West Somerville	368	367	370	359	377	371	370	396	380	371	370		2
High	6	0	0	1	1	1	0	2	1	1	0		-6
Low - 2 hours or more	28	21	19	17	18	22	21	25	27	20	15		-13
Low - Less than 2 hours	16	21	19	28	29	25	23	27	22	19	22		6
Moderate	20	26	31	22	18	20	29	33	27	24	23		3
NA	298	299	301	291	311	303	297	309	303	307	310		12
Winter Hill	418	395	446	428	462	459	439	439	391	418	429		11
High	57	47	46	46	46	50	44	43	38	47	47		-10
Low - 2 hours or more	16	25	33	29	26	33	33	31	29	23	16		0
Low - Less than 2 hours	20	17	13	12	19	18	20	19	18	22	20		0
Moderate	29	18	23	31	45	38	31	27	18	17	17		-12
NA	296	288	331	310	326	320	311	319	288	309	329		33







Appendix A: Historical and Current Enrollment per School - Hours of Service for Special Education

Capuano	440	365	367	341	332	314	332	282	202	195	215		-225
High	48	47	43	44	47	35	36	23	33	31	44		-4
Low - 2 hours or more	6	3	5	3	3	1	5	6	3	4	1		-5
Low - Less than 2 hours	24	21	27	25	19	23	17	11	10	4	4		-20
Moderate	2	0	3	6	8	10	14	17	15	7	20		18
NA	360	294	289	263	255	245	260	225	141	149	146		-214
Full Circle	48	56	55	51	61	52	48	54	56	52	53		5
High	31	39	43	36	40	38	20	5	3	6	13		-18
Low - 2 hours or more	0	0	0	0	0	0	1	7	7	8	4		4
Low - Less than 2 hours	0	0	0	0	1	1	5	6	4	5	3		3
Moderate	0	0	0	0	0	0	8	22	22	17	20		20
NA	17	17	12	15	20	13	14	14	20	16	13		-4
Next Wave and Full Circle	29	28	20	26	16	15	14	15	15	18	15		-14
High	25	18	11	17	10	11	4	2	7	10	8		-17
Low - 2 hours or more	0	1	1	0	0	0	0	1	2	1	1		1
Low - Less than 2 hours	0	0	0	0	0	0	2	1	0	0	0		0
Moderate	0	1	1	1	0	0	6	5	4	4	3		3
NA	4	8	7	8	6	4	2	6	2	3	3		-1
K-12 Total	4,405	4,491	4,545	4,487	4,522	4,487	4,515	4,588	4,418	4,408	4,537		132
Other Placement Schools (K-12)													
School Name	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2012-13 to 2022-23	
													
Outplace SpEd Approved	47	47	46	58	59	55	52	54	49	47	52		5
High	47	47	46	58	59	55	52	54	49	46	51		4
Moderate	0	0	0	0	0	0	0	0	0	1	1		1

Appendix A: Historical and Current Enrollment per School - Hours of Service for Special Education

Outplace SpEd_Collab Program	11	14	9	15	12	12	12	11	10	11	19		8
High	11	14	9	15	12	12	12	11	10	11	19		8
Outplace SpEd_DYS	2	0	1	1	1	0	0	0	0	0	0		-2
High	2	0	1	1	0	0	0	0	0	0	0		-2
Moderate	0	0	0	0	1	0	0	0	0	0	0		0
Outplace SpEd_Private	5	3	3	2	2	0	0	0	0	0	0		-5
Low - 2 hours or more	2	2	2	1	2	0	0	0	0	0	0		-2
Low - Less than 2 hours	2	1	1	1	0	0	0	0	0	0	0		-2
Moderate	1	0	0	0	0	0	0	0	0	0	0		-1
Outplace SpEd_Private Out-of-State	2	3	3	2	1	2	2	2	1	0	0		-2
High	2	3	3	2	1	2	2	2	1	0	0		-2
Outplace SpEd Uncategorized	4	3	5	6	4	4	1	2	0	0	0		-4
High	4	3	5	6	4	4	1	2	0	0	0		-4
SpEd Homeschooled	8	12	4	13	12	23	23	21	21	16	16		8
High	0	0	0	1	1	3	3	4	5	4	2		2
Low - 2 hours or more	3	4	2	4	7	10	11	8	7	5	4		1
Low - Less than 2 hours	5	7	2	7	3	8	7	7	8	4	6		1
Moderate	0	1	0	1	1	2	2	2	1	3	4		4
SpEd PreK/Beyond Gr 12	28	24	18	20	32	39	33	19	16	8	13		-15
High	0	0	0	0	0	0	0	1	0	0	0		0
Low - 2 hours or more	4	3	0	0	2	0	0	0	0	0	1		-3
Low - Less than 2 hours	24	21	16	20	30	39	33	18	16	7	11		-13
Moderate	0	0	2	0	0	0	0	0	0	1	1		1

Appendix A: Historical and Current Enrollment per School - Hours of Service for Special Education

Outplace SpEd_Unapproved	2	4	1	0	0	0	0	0	0	0	0		-2
High	1	2	1	0	0	0	0	0	0	0	0		-1
Low - Less than 2 hours	1	1	0	0	0	0	0	0	0	0	0		-1
Moderate		1	0	0	0	0	0	0	0	0	0		0
K-12 Total	626	559	532	535	532	516	517	460	370	347	383		-243
Totals													
School Name	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2012-13 to 2022-23	
District Total	5,031	5,050	5,077	5,022	5,054	5,003	5,032	5,048	4,788	4,755	4,920		-83

Somerville Public School October 2012–13 to 2022–23 enrollment (headcount) by grade. Enrollment values omit students attending GenEd DYS and Incarcerated programs. The lowest and highest enrollment values per grade are highlighted blue and orange, respectively. Sparklines are colored blue, gray, or orange to illustrate 5-year decline, stasis (a change of fewer than 10 students), or growth. Abrupt changes in enrollment are likely due to deliberate student placement or attendance boundary changes.

Appendix B: Enrollment Forecasts by School/Program: Middle Scenario

School Name	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
Argenziano	545	544	542	536	535	528	526	529	524	526	529
High	0	0	0	0	0	0	0	0	0	0	0
Low - 2 hours or more	26	19	19	19	19	19	19	19	19	19	19
Low - Less than 2 hours	20	17	17	17	17	16	16	16	16	16	16
Moderate	19	19	19	19	19	18	18	18	18	18	18
NA	480	489	487	481	481	474	473	476	471	473	475
Brown	213	214	211	200	189	178	174	172	171	174	178
High	1	0	0	0	0	0	0	0	0	0	0
Low - 2 hours or more	5	5	4	4	4	4	4	4	4	4	4
Low - Less than 2 hours	6	9	9	9	8	8	8	8	7	8	8
Moderate	5	5	5	5	4	4	4	4	4	4	4
NA	196	195	192	182	172	162	159	156	156	158	162
East Somerville	729	693	677	660	659	644	632	622	610	613	612
High	8	11	10	10	10	10	10	10	9	9	9
Low - 2 hours or more	38	39	39	38	38	37	36	35	35	35	35
Low - Less than 2 hours	25	20	20	19	19	19	19	18	18	18	18
Moderate	29	27	26	25	25	25	24	24	23	23	23
NA	629	596	582	568	567	554	544	535	525	527	526
Healey	510	502	502	496	495	479	464	454	449	448	446
High	7	13	13	13	13	13	12	12	12	12	12
Low - 2 hours or more	30	31	31	31	31	30	29	28	28	28	28
Low - Less than 2 hours	29	27	27	27	27	26	25	25	24	24	24
Moderate	29	37	37	36	36	35	34	33	33	33	33
NA	415	394	394	389	388	375	364	356	352	352	350

Appendix B: Enrollment Forecasts by School/Program: Middle Scenario

Kennedy	442	448	439	435	434	439	420	406	398	390	386
High	24	31	30	30	30	30	29	28	27	27	26
Low - 2 hours or more	28	28	27	27	27	27	26	25	25	24	24
Low - Less than 2 hours	33	28	27	27	27	27	26	25	25	24	24
Moderate	10	11	11	11	10	11	10	10	10	9	9
NA	347	351	344	341	340	344	329	319	312	306	303
Somerville HS	1,299	1,368	1,414	1,387	1,351	1,360	1,389	1,415	1,490	1,466	1,425
High	19	27	28	27	27	27	27	28	29	29	28
Low - 2 hours or more	66	58	60	59	57	57	59	60	63	62	60
Low - Less than 2 hours	15	14	14	14	14	14	14	14	15	15	15
Moderate	129	139	144	141	138	139	142	144	152	149	145
NA	1,070	1,130	1,168	1,146	1,116	1,123	1,147	1,169	1,230	1,211	1,177
West Somerville	370	367	363	368	371	366	359	353	345	342	340
High	0	1	1	1	1	1	1	1	1	1	1
Low - 2 hours or more	15	20	20	20	20	20	20	19	19	19	19
Low - Less than 2 hours	22	21	20	21	21	21	20	20	19	19	19
Moderate	23	24	24	24	24	24	24	23	23	23	22
NA	310	301	298	302	305	301	295	290	283	281	279
Winter Hill	429	421	405	398	403	400	385	375	367	365	361
High	47	45	43	42	43	43	41	40	39	39	38
Low - 2 hours or more	16	23	22	22	22	22	21	21	20	20	20
Low - Less than 2 hours	20	20	20	19	20	19	19	18	18	18	17
Moderate	17	18	17	17	17	17	16	16	15	15	15
NA	329	315	303	298	301	299	288	280	274	273	270
PK-12 Total	4,537	4,556	4,553	4,481	4,437	4,392	4,349	4,328	4,355	4,323	4,277

Appendix B: Enrollment Forecasts by School/Program: Middle Scenario

[illegible]

Appendix B: Enrollment Forecasts by School/Program: Middle Scenario

Outplace SpEd_Private Out-of-State Total	0	1	1	1	1	1	1	1	1	1	1
SpEd Homeschooled	16	24	24	24	24	24	24	24	24	24	24
<i>High</i>	2	5	5	5	5	5	5	5	5	5	5
<i>Low - 2 hours or more</i>	4	7	7	7	7	7	7	7	7	7	7
<i>Low - Less than 2 hours</i>	6	8	8	8	8	8	8	8	8	8	8
<i>Moderate</i>	4	4	4	4	4	4	4	4	4	4	4
SpEd PreK or Beyond Grade 12	13	12	11	12	12	12	12	12	12	12	12
<i>High</i>	0	0	0	0	0	0	0	0	0	0	0
<i>Low - 2 hours or more</i>	1	0	0	0	0	0	0	0	0	0	0
<i>Low - Less than 2 hours</i>	11	12	11	10	10	11	11	11	11	11	11
<i>Moderate</i>	1	1	1	1	1	1	1	1	1	1	1
PK-12 Total	383	391	378	363	366	371	374	377	379	381	382

District-wide Total	4,920	4,947	4,931	4,843	4,803	4,763	4,724	4,705	4,734	4,705	4,660
----------------------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------	--------------

Somerville Public Schools October 2022–23 enrollment and FLO 2023–24 to 2032–33 enrollment forecasts (middle, or preferred, scenario). Enrollment values omit students enrolled in GenEd DYS and Incarcerated programs.