



**SAU #41**

**Brookline Public Schools**

**Brookline, NH**

**School Year 2023-24 Enrollment Projection Report**

# Table of Contents

Section	Page
Enrollment Summary.....	1
Historical Enrollment Table.....	2
Historical Enrollment Graph.....	3
Projected Enrollment Table.....	4
Projected Enrollment Graph.....	5
Historical & Projected Enrollment Graph.....	6
Historical & Projected Enrollment in Grade Combinations Line Graph.....	7
Historical & Projected Enrollment in Grade Combinations Stacked Column Graph.....	8
Birth to Kindergarten Relationship Graph.....	9
Additional Information .....	10
New England's PK-12 Enrollment Trends.....	11
Methodology, Reliability and Use of this Document.....	12

# Brookline, NH Enrollment Summary

NESDEC is pleased to send you this report displaying the past, present, and projected enrollments for your District. It is important to update enrollment projections every year to identify changes in enrollment patterns. Ten-year projections are designed to provide your District with yearly, up-to-date enrollment information that can be used by boards and administrators for effective planning and allocation of resources.

Included in this report are graphs representing historical and projected grade-by-grade enrollments, as well as historical and projected enrollments in grade combinations. We received the enrollment data from the District, and we assume that the method of collecting this data has been consistent from year to year.

Enrollment projections are more reliable in Years #1-4 in the future and less reliable in the “out-years.” Projections six to ten years out may serve as a guide to future enrollments and are useful for planning purposes. In light of this, NESDEC has added a “Spring Update Refresher” enrollment projection at no cost to affiliates. For more information, please refer to the Methodology, Reliability and Use of this Document section.

The NESDEC enrollment projection fell within 22 students of the K-12 total, 1,056 students projected vs. 1,078 enrolled.

Births increased by 13 from a previous ten-year average of 44 to a projected average of 57. In most districts, Grades 1-8 are very stable in enrollments. However, there have been increases in 8 of the 8 most recent years, leading to a net increase averaging 20 students per year.

Over the next three years, Grades K-6 enrollments are projected to increase by 71 students, Grades 7- 8 enrollments are projected to decrease by 6 students and Grades 9-12 enrollments are projected to increase by 25 students, as students move through the grades.

# Historical Enrollment

School District:

SAU #41 - Brookline NH

10/25/2023

Historical Enrollment By Grade																			
Birth Year	Births*	School Year	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2008	36	2013-14	33	56	62	60	89	98	106	97	97	85	105	112	81	102	0	1150	1183
2009	50	2014-15	28	57	60	67	63	91	103	102	102	98	83	105	107	89	0	1127	1155
2010	43	2015-16	26	60	67	65	69	66	96	109	107	97	100	85	109	101	0	1131	1157
2011	38	2016-17	24	78	66	69	73	73	67	102	108	110	104	97	82	111	0	1140	1164
2012	43	2017-18	19	73	77	67	78	78	73	68	102	108	113	106	99	79	0	1121	1140
2013	36	2018-19	39	66	76	78	70	86	79	79	97	114	101	103	103	118	0	1170	1209
2014	49	2019-20	19	73	71	87	82	76	90	80	88	75	102	107	113	105	0	1149	1168
2015	50	2020-21	15	72	73	72	90	80	80	90	79	87	74	104	107	109	0	1117	1132
2016	57	2021-22	12	81	81	82	84	87	80	80	92	76	88	79	97	112	0	1119	1131
2017	36	2022-23	20	53	86	87	80	78	91	85	83	89	77	83	80	118	0	1090	1110
2018	41	2023-24	20	73	59	89	90	80	81	90	88	88	89	79	83	89	0	1078	1098

\*Birth data provided by Public Health Vital Records Departments in each state.

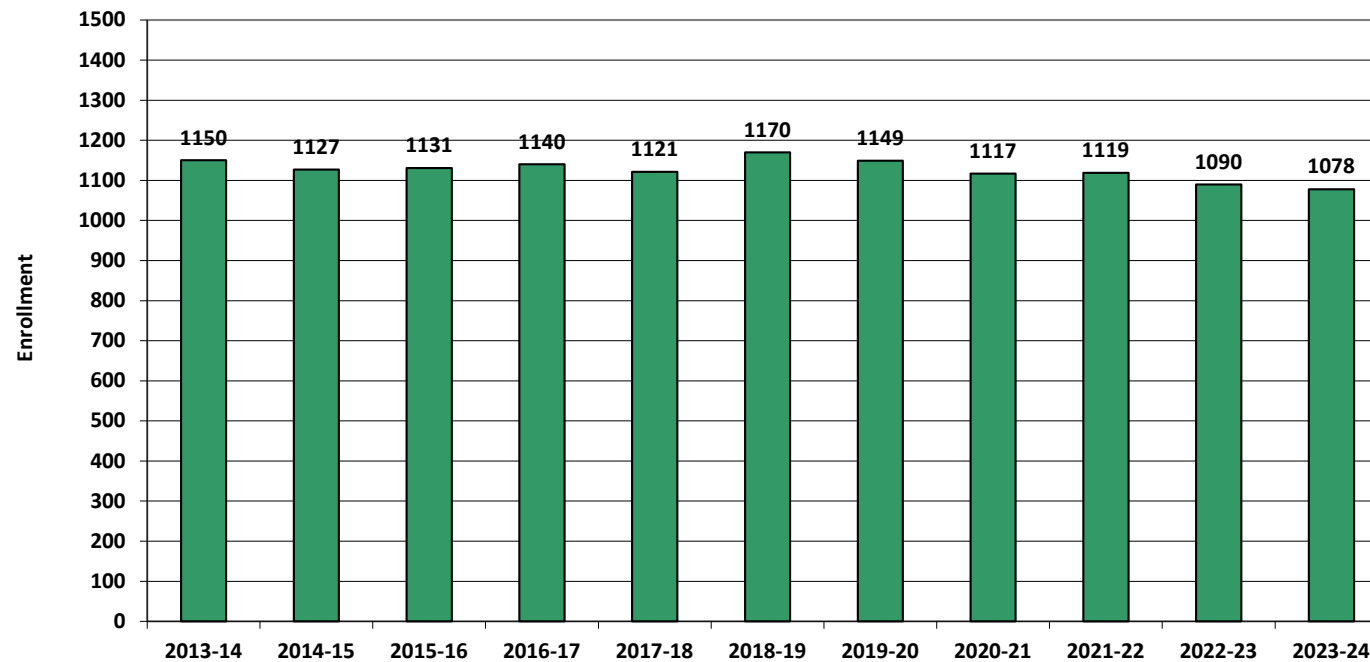
\*\* < 10 Not reported, to protect subgroups with fewer than 10 students.

Historical Enrollment in Grade Combinations									
School Year	PK-3	K-3	4-6	PK-6	K-6	6-8	7-8	7-12	9-12
2013-14	300	267	301	601	568	279	182	582	400
2014-15	275	247	296	571	543	302	200	584	384
2015-16	287	261	271	558	532	313	204	599	395
2016-17	310	286	242	552	528	320	218	612	394
2017-18	314	295	219	533	514	278	210	607	397
2018-19	329	290	244	573	534	290	211	636	425
2019-20	332	313	246	578	559	243	163	590	427
2020-21	322	307	250	572	557	256	166	560	394
2021-22	340	328	247	587	575	248	168	544	376
2022-23	326	306	254	580	560	257	172	530	358
2023-24	331	311	251	582	562	266	176	516	340

Historical Percentage Changes			
School Year	K-12	Diff.	%
2013-14	1150		
2014-15	1127	-23	-2.0%
2015-16	1131	4	0.4%
2016-17	1140	9	0.8%
2017-18	1121	-19	-1.7%
2018-19	1170	49	4.4%
2019-20	1149	-21	-1.8%
2020-21	1117	-32	-2.8%
2021-22	1119	2	0.2%
2022-23	1090	-29	-2.6%
2023-24	1078	-12	-1.1%
Change		-72	-6.3%

## Historical Enrollment

Grades K-12, School Years 2013-14 to 2023-24



# Projected Enrollment

School District: SAU #41 - Brookline NH

10/25/2023

Enrollment Projections by Grade*																				
Birth Year	Births*		School Year	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2018	41		2023-24	20	73	59	89	90	80	81	90	88	88	89	79	83	89	0	1078	1098
2019	58		2024-25	20	88	78	64	94	88	83	82	93	86	89	90	78	89	0	1102	1122
2020	59		2025-26	21	90	95	84	68	92	91	84	85	91	87	90	89	84	0	1130	1151
2021	59		2026-27	21	90	97	102	89	67	95	93	87	83	92	88	89	96	0	1168	1189
2022	61	(prov.)	2027-28	22	93	97	105	108	87	69	97	96	85	84	93	87	96	0	1197	1219
2023	56	(est.)	2028-29	22	85	100	105	111	106	90	70	100	94	86	85	92	93	0	1217	1239
2024	59	(est.)	2029-30	23	89	91	108	111	109	110	92	72	98	95	87	84	99	0	1245	1268
2025	59	(est.)	2030-31	23	89	96	98	114	109	113	112	95	71	99	96	86	90	0	1268	1291
2026	59	(est.)	2031-32	24	89	96	103	104	112	113	115	116	93	72	100	95	92	0	1300	1324
2027	58	(est.)	2032-33	24	89	96	103	109	102	116	115	119	114	94	73	99	102	0	1331	1355
2028	58	(est.)	2033-34	25	88	96	103	109	107	105	118	119	117	115	95	72	106	0	1350	1375

Note: Ungraded students (UNGR) often are high school students whose anticipated years of graduation are unknown, or students with special needs - UNGR not included in Grade Combinations for 7-12, 9-12, etc.

Based on an estimate of births

Based on children already born

Based on students already enrolled

\*Birth data provided by Public Health Vital Records Departments in each state.

\*\* < 10 Not reported, to protect subgroups with fewer than 10 students.

Projected Enrollment in Grade Combinations*									
School Year	PK-3	K-3	4-6	PK-6	K-6	6-8	7-8	7-12	9-12
2023-24	331	311	251	582	562	266	176	516	340
2024-25	344	324	253	597	577	261	179	525	346
2025-26	358	337	267	625	604	260	176	526	350
2026-27	399	378	255	654	633	263	170	535	365
2027-28	425	403	253	678	656	278	181	541	360
2028-29	423	401	266	689	667	264	194	550	356
2029-30	422	399	311	733	710	262	170	535	365
2030-31	420	397	334	754	731	278	166	537	371
2031-32	416	392	340	756	732	324	209	568	359
2032-33	421	397	333	754	730	348	233	601	368
2033-34	421	396	330	751	726	354	236	624	388

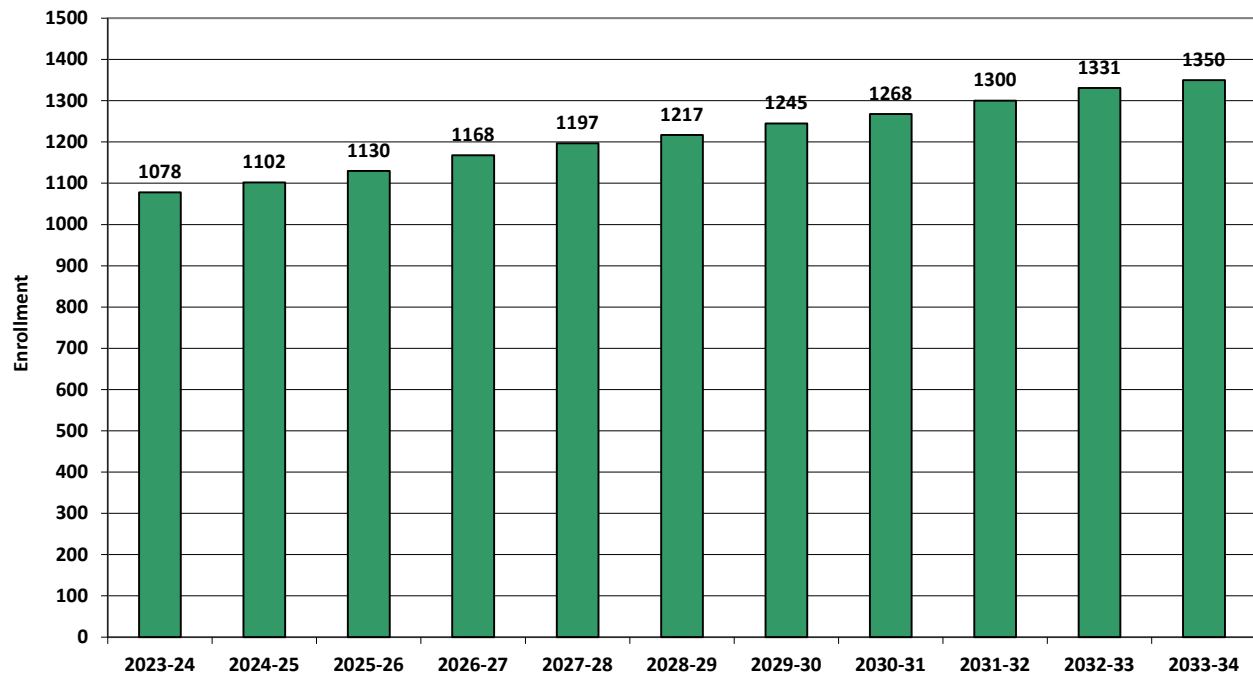
Projected Percentage Changes			
School Year	K-12	Diff.	%
2023-24	1078	0	0.0%
2024-25	1102	24	2.2%
2025-26	1130	28	2.5%
2026-27	1168	38	3.4%
2027-28	1197	29	2.5%
2028-29	1217	20	1.7%
2029-30	1245	28	2.3%
2030-31	1268	23	1.8%
2031-32	1300	32	2.5%
2032-33	1331	31	2.4%
2033-34	1350	19	1.4%
Change	272		25.2%

\*Projections should be updated annually to reflect changes in in/out-migration of families, real estate sales, residential construction, births, and similar factors.

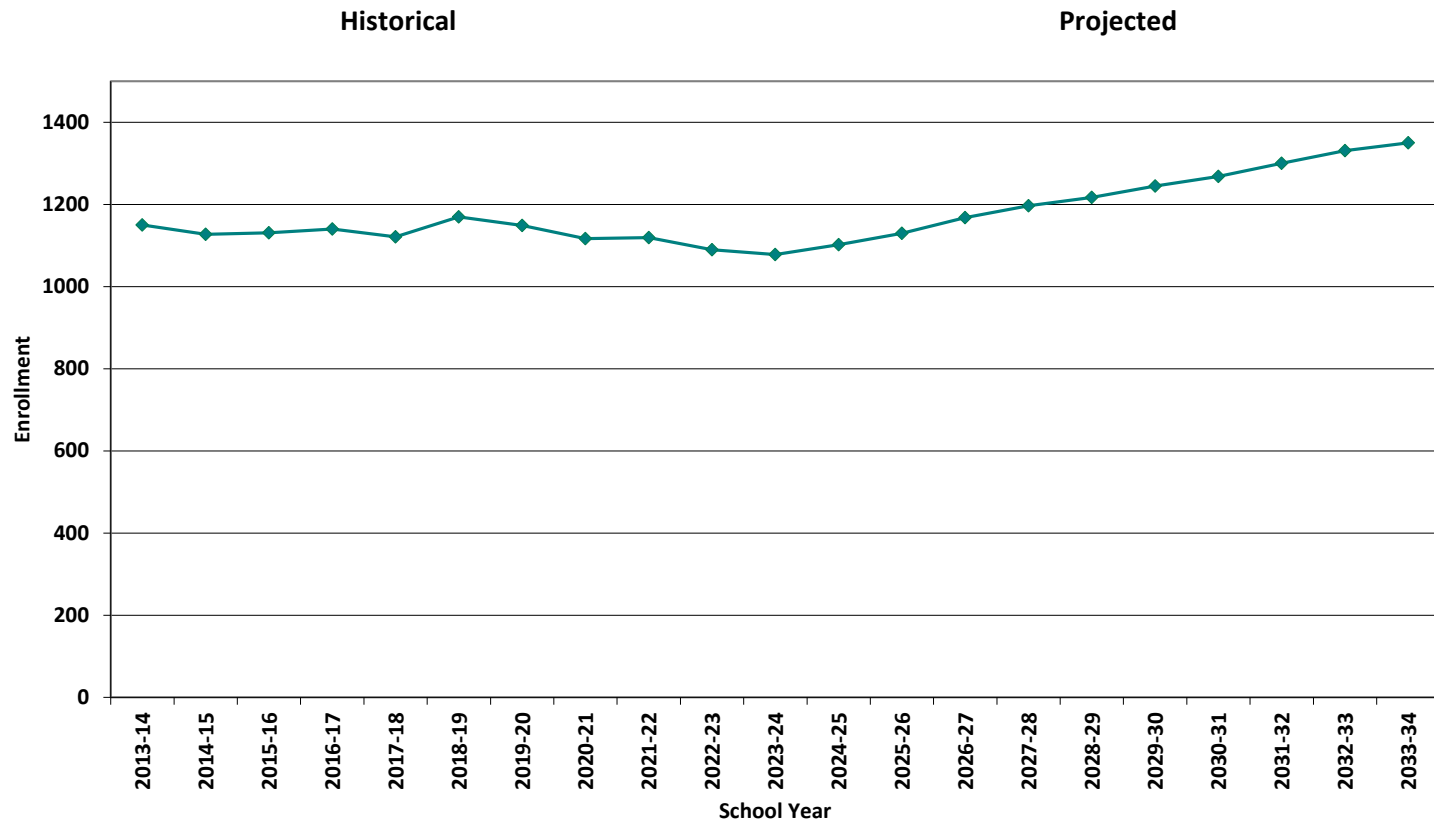
**NESDEC**

# Projected Enrollment

Grades K-12, School Years 2023-24 to 2033-34

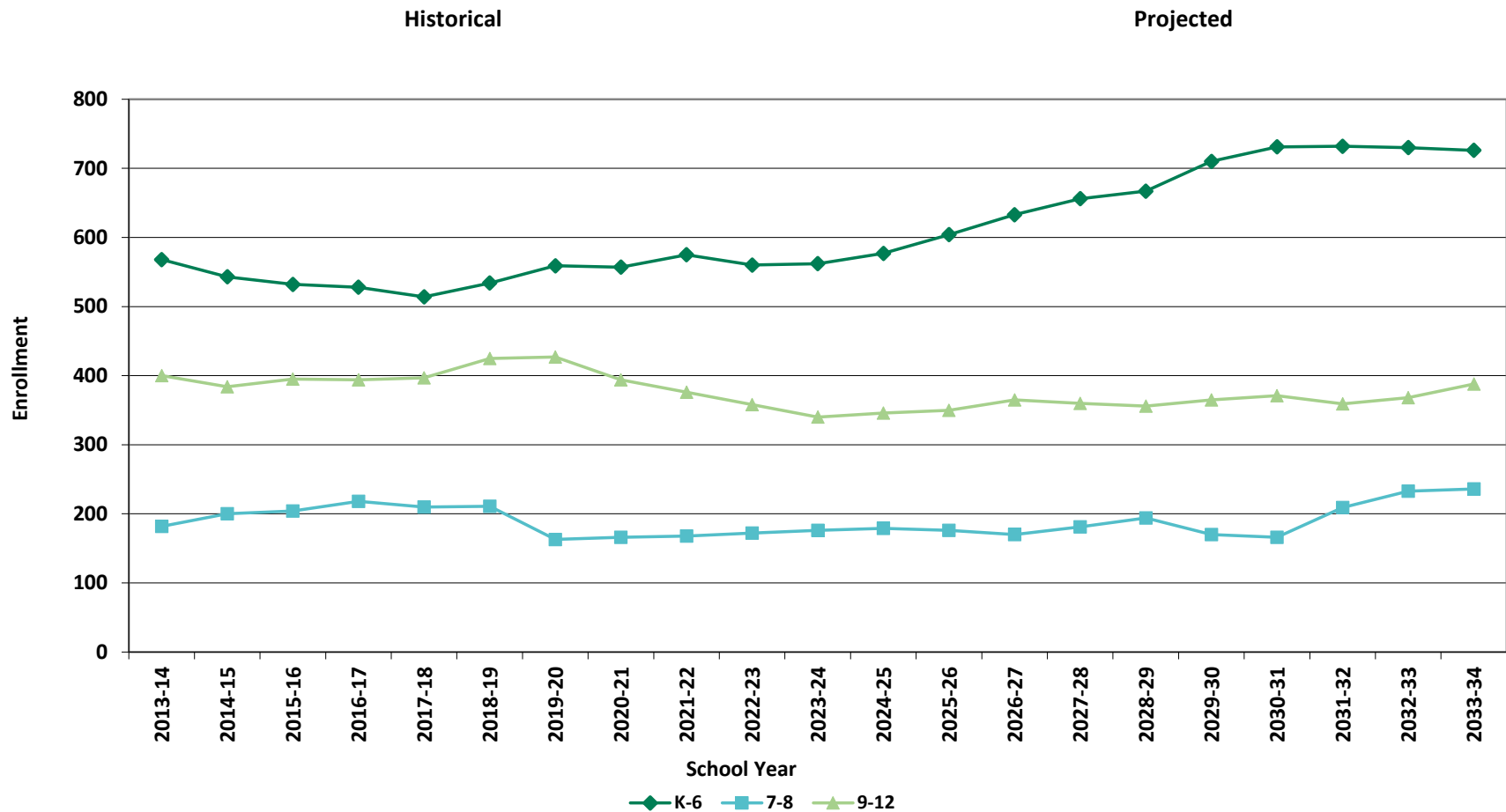


# Historical & Projected Enrollment

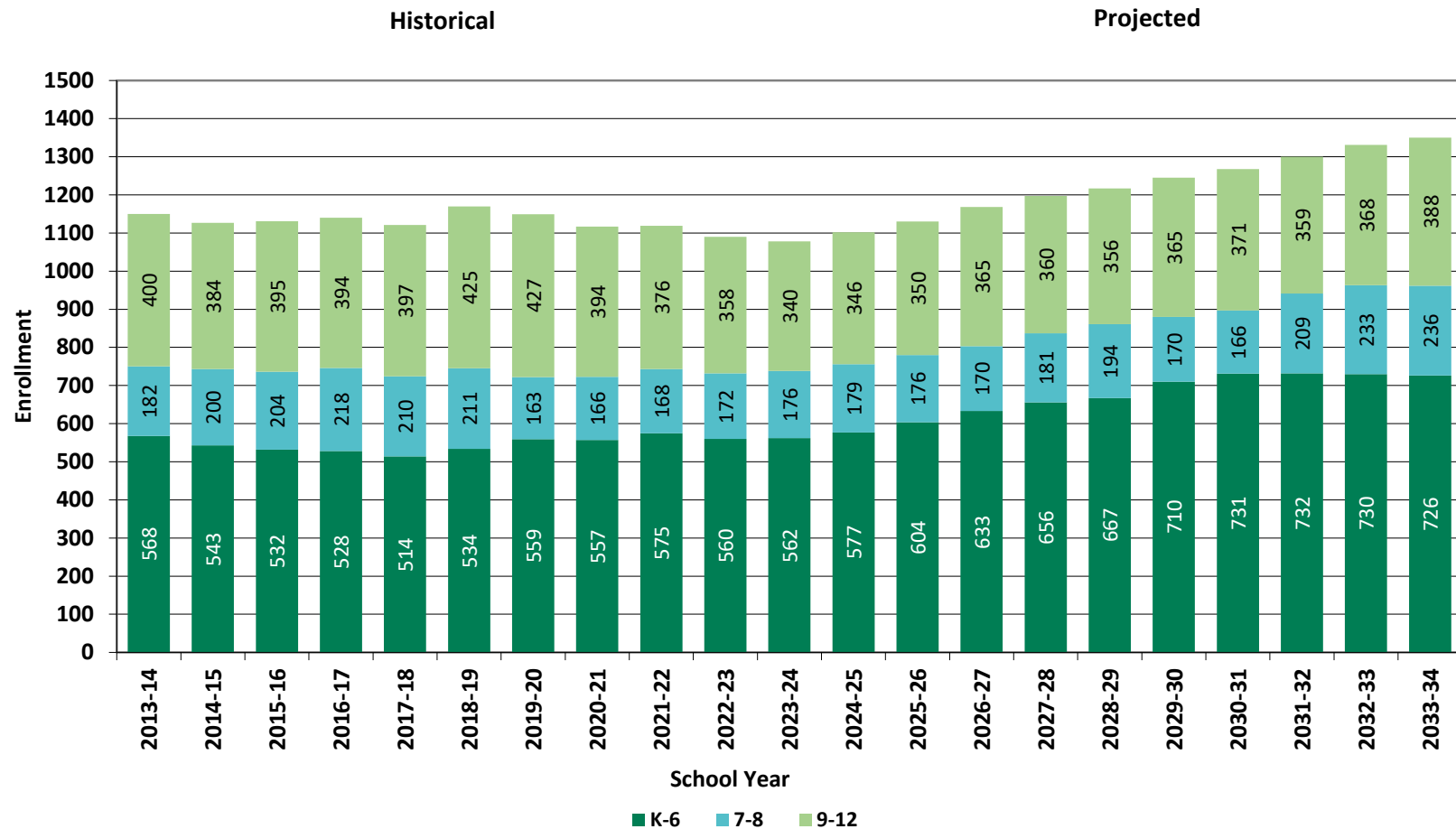




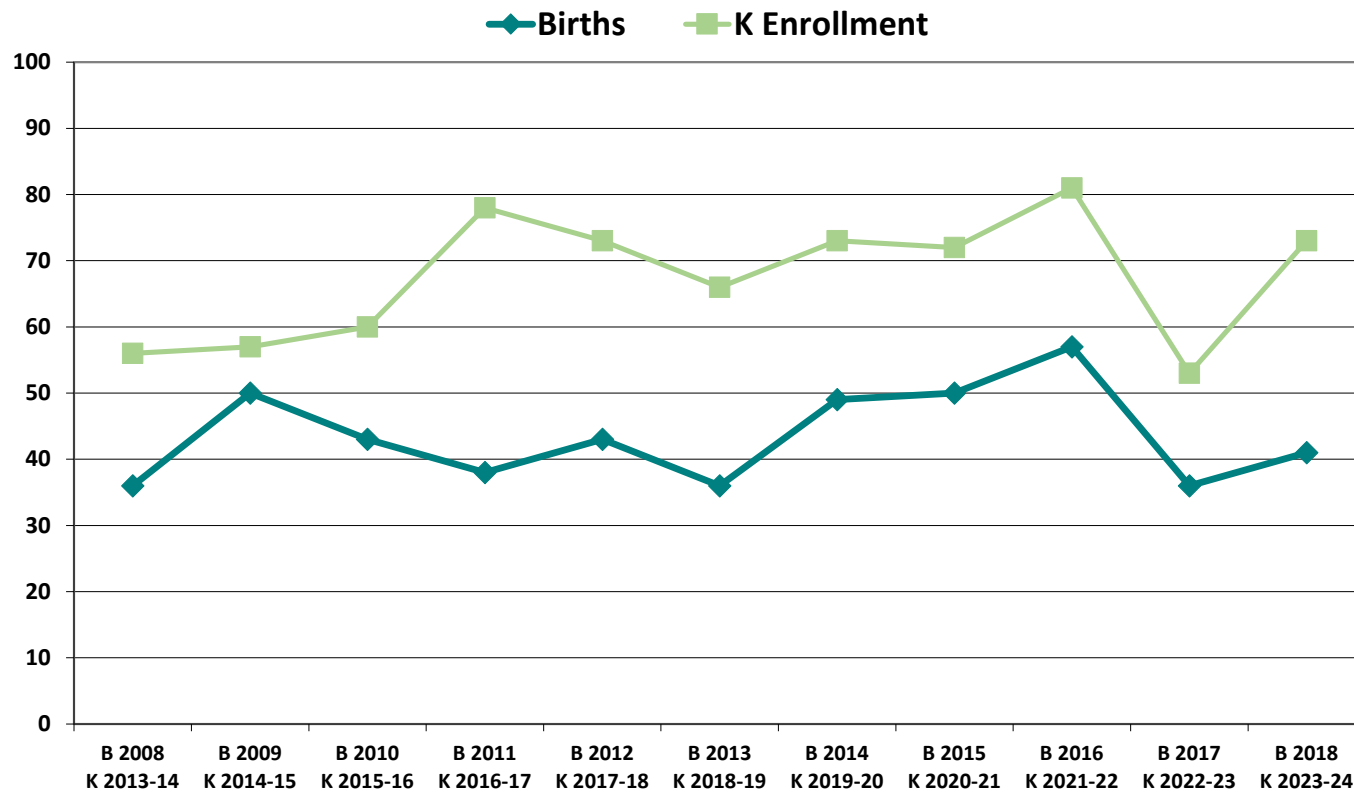
# Historical & Projected Enrollments in Grade Combinations



# Historical & Projected Enrollments in Grade Combinations



## Birth-to-Kindergarten Relationship



## Additional Information

Building Permits Issued (Source: HUD)		
Year	Single-Family	Multi-Units
2019	22	0
2020	23	0
2021	17	0
2022	17	0
2023	11 to date	0 to date

School Year	9 - 12 CTE	K - 12 Non-Public	K - 12 Choice-In	K - 12 Choice-Out	K - 12 Out-of-District SPED	K - 12 Homeschool
2019-20	n/a	n/a	0	0	0	10
2020-21	n/a	n/a	0	0	< 10 **	87
2021-22	n/a	n/a	< 10 **	0	< 10 **	18
2022-23	n/a	n/a	0	0	0	0
2023-24	n/a	n/a	0	0	0	0

\*The above data was provided by the District, with the exception of building permit data (provided by HUD).

"n/a" signifies that information was not provided by District.

\*\* < 10 Not reported, to protect subgroups with fewer than 10 students.

## New England's PK-12 Enrollments Trends

From 2021 to 2030, the US Department of Education anticipates changes in PK-12 enrollment of -3.2% in the South, -6.0% in the West, -3.9% in the Midwest, -6.0% in the Northeast, and a total of -4.4% nationwide.

State	Fall 2021 PK - 12	Fall 2030 Projected	PK-12 Decline	% Change 2021-2030
USA	49,452,864	47,252,500	-2,200,364	-4.4%
CT	508,686	475,600	-33,086	-6.5%
ME	173,215	161,800	-11,415	-6.6%
MA	921,180	879,900	-41,280	-4.5%
NH	170,005	144,600	-25,405	-14.9%
RI	138,566	130,200	-8,366	-6.0%
VT	83,975	74,600	-9,375	-11.2%

**Source:** U.S. Department of Education, National Center for Education Statistics, Enrollment in public elementary and secondary schools, by region, state, and jurisdiction: Selected years, fall 1990 through fall 2030, Table 203.20, March 2023.

Although most New England Districts are seeing a decline in the number of births, NESDEC's experience indicates that the impact on enrollment varies from District to District. Almost half of New England Districts have been growing in PK-12 enrollment, and a similar number are declining (often in rural areas), with the other Districts remaining stable.

# Methodology, Reliability and Use of this Document

## PROJECTION METHODOLOGY

Cohort component (survival) technique is a frequently used method of preparing enrollment forecasts. NESDEC uses this method, but modifies it in order to move away from forecasts that are wholly computer- or formula-driven. Such modification permits the incorporation of important, current district-specific demographic information into the generation of enrollment forecasts (such as in/out-migration of students, resident births, HUD-reported building permits, etc.). Percentages are calculated from the historical enrollment data to determine a reliable percentage of increase or decrease in enrollment between any two grades. For example, if 100 students enrolled in Grade 1 in 2022-23 increased to 104 students in Grade 2 in 2023-24, the percentage of survival would be 104%, or a ratio of 1.04. Ratios are calculated between each pair of grades or years in school over several recent years.

After study and analysis of the historical ratios, and based upon a reasonable set of assumptions regarding births, migration rates, retention rates, etc., ratios most indicative of future growth patterns are determined for each pair of grades. The ratios thus selected are applied to the present enrollment statistics to project into future years. The ratios are the key factors in the reliability of the projections, assuming validity of the data at the starting point.

## RELIABILITY OF ENROLLMENT PROJECTIONS

Projections can serve as useful guides to school administrators for educational planning. Enrollment projections are more reliable in Years #1-4 in the future and less reliable in the "out-years." Projections six to ten years out may serve as a guide to future enrollments and are useful for planning purposes, but they should be viewed as subject to change given the likelihood of potential shifts in underlying assumptions/trends, such as student migration, births as they relate to Kindergarten enrollment, and other factors.

Projections that are based upon **the children who already are in the district** (the current K-12 population only) will be the most reliable. The second level of reliability will be for those children already **born into the community but not yet old enough to be in school**. The least reliable category is the group for which an estimate must be made **to predict the number of births**, thereby adding additional uncertainty. See these three multi-colored groupings on the "Projected Enrollment" tab.

Annual updates allow for early identification of recent changes in historical trends. When the actual enrollment in a grade is significantly different (higher or lower) from the projected number, it is important (yet difficult) to determine whether this is a one-year aberration or whether a new trend may have begun. **In light of this possibility, NESDEC urges all school districts to have updated enrollment forecasts developed by NESDEC each October.** This service is available at no cost to affiliated school districts.

## USING THIS INFORMATION ELECTRONICALLY

If you would like to extract the information contained in this report for your own documents or presentations, you can use screenshots, which can be inserted into PowerPoint slides, Word documents, etc. Because screenshots create graphics, the image is not editable. Please feel free to contact us if you need assistance in this matter, by phone (508-481-9444) or by email ([ep@nesdec.org](mailto:ep@nesdec.org)).