



**Concord Public Schools  
Concord, MA**

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

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# 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

# Concord, MA 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 56 students of the K-8 total, 1,852 students projected vs. 1,908 enrolled. Concord has informed NESDEC that it has experienced an influx of families with children. These projections assume that these families will stay in Concord through 8th grade. Unknown at this time is if these new-to-Concord families will remain in the community or move to other communities during the school year. Also unknown is if this in-migration of families will continue over time.

Births increased by 3 from a previous ten-year average of 111 to a projected average of 114. In most districts, Grades 1-8 are very stable in enrollments. However, there have been increases in 6 of the 8 most recent years, leading to a net increase averaging 4 students per year.

Over the next three years, Grades K-2 enrollments are projected increase by 87 students, Grades 3-5 enrollments are projected to decrease by 28 students, and Grades 6-8 enrollments are projected to decrease by 8 students, as students move through the grades.

# Historical Enrollment

School District: Concord, MA

11/6/2023

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-8	PK-8
2008	103	2013-14	26	233	235	235	267	247	246	212	235	242	0	0	0	0	0	2152	2178
2009	126	2014-15	22	198	234	241	241	250	237	240	210	241	0	0	0	0	0	2092	2114
2010	109	2015-16	28	225	207	240	237	238	246	239	232	208	0	0	0	0	0	2072	2100
2011	101	2016-17	28	209	237	216	245	234	232	239	249	227	0	0	0	0	0	2088	2116
2012	106	2017-18	25	220	205	241	223	233	242	229	248	247	0	0	0	0	0	2088	2113
2013	128	2018-19	25	208	234	207	242	213	234	246	235	255	0	0	0	0	0	2074	2099
2014	100	2019-20	25	209	218	237	213	238	215	241	239	237	0	0	0	0	0	2047	2072
2015	107	2020-21	39	175	218	219	229	209	233	216	230	238	0	0	0	0	0	1967	2006
2016	119	2021-22	58	182	193	220	232	227	206	235	217	236	0	0	0	0	0	1948	2006
2017	111	2022-23	54	186	191	201	217	225	220	214	226	211	0	0	0	0	0	1891	1945
2018	89	2023-24	64	196	197	205	212	221	223	218	207	229	0	0	0	0	0	1908	1972

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

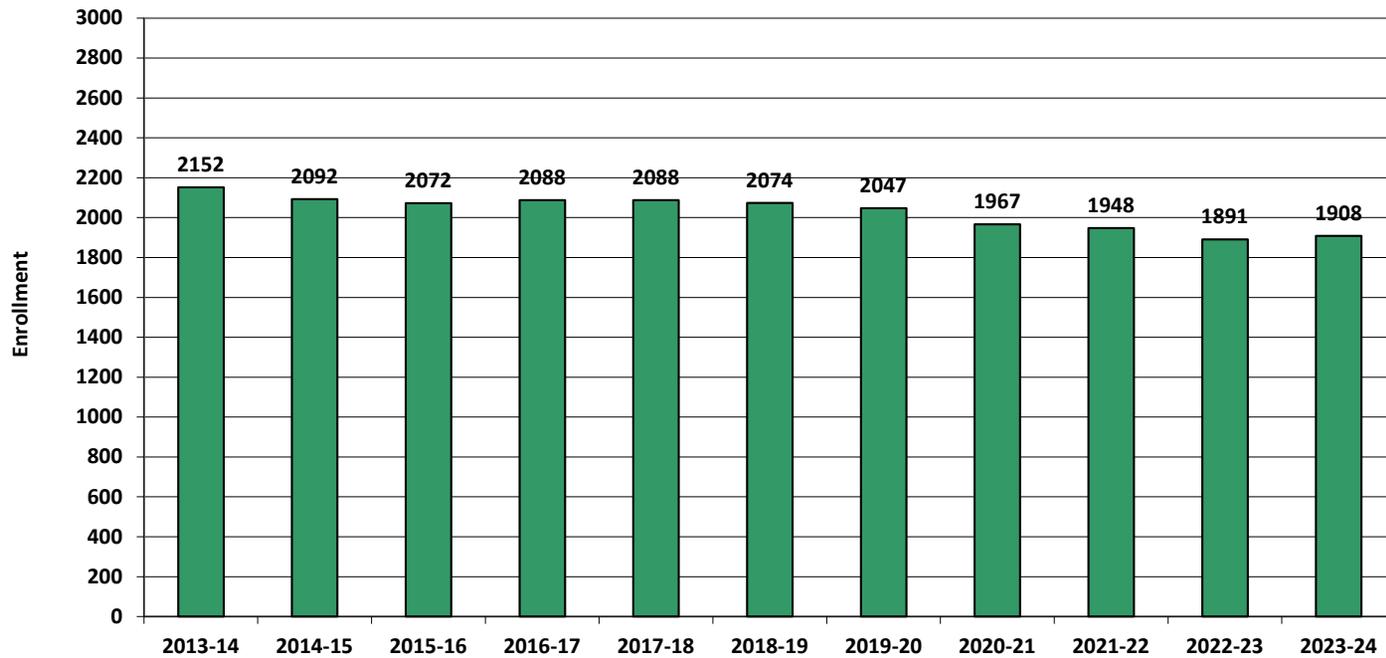
\*\* < 10 Not reported, to protect subgroups with fewer than 10 students.

Historical Enrollment in Grade Combinations								
School Year	PK-5	K-5	PK-2	K-2	3-5	6-8	PK-8	K-8
2013-14	1489	1463	729	703	760	689	2178	2152
2014-15	1423	1401	695	673	728	691	2114	2092
2015-16	1421	1393	700	672	721	679	2100	2072
2016-17	1401	1373	690	662	711	715	2116	2088
2017-18	1389	1364	691	666	698	724	2113	2088
2018-19	1363	1338	674	649	689	736	2099	2074
2019-20	1355	1330	689	664	666	717	2072	2047
2020-21	1322	1283	651	612	671	684	2006	1967
2021-22	1318	1260	653	595	665	688	2006	1948
2022-23	1294	1240	632	578	662	651	1945	1891
2023-24	1318	1254	662	598	656	654	1972	1908

Historical Percentage Changes			
School Year	K-8	Diff.	%
2013-14	2152		
2014-15	2092	-60	-2.8%
2015-16	2072	-20	-1.0%
2016-17	2088	16	0.8%
2017-18	2088	0	0.0%
2018-19	2074	-14	-0.7%
2019-20	2047	-27	-1.3%
2020-21	1967	-80	-3.9%
2021-22	1948	-19	-1.0%
2022-23	1891	-57	-2.9%
2023-24	1908	17	0.9%
<b>Change</b>		<b>-244</b>	<b>-11.3%</b>

# Historical Enrollment

Grades K-8, School Years 2013-14 to 2023-24



# Projected Enrollment

School District: Concord, MA

11/6/2023

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-8	PK-8
2018	89		2023-24	64	196	197	205	212	221	223	218	207	229	0	0	0	0	0	1908	1972
2019	116		2024-25	64	209	208	203	209	211	217	226	213	207	0	0	0	0	0	1903	1967
2020	100		2025-26	65	180	222	214	207	208	207	220	221	213	0	0	0	0	0	1892	1957
2021	147	(prov.)	2026-27	65	265	191	229	218	206	204	210	215	221	0	0	0	0	0	1959	2024
2022	107	(prov.)	2027-28	66	193	281	197	234	217	202	207	205	215	0	0	0	0	0	1951	2017
2023	112	(est.)	2028-29	66	201	205	289	201	232	213	205	202	205	0	0	0	0	0	1953	2019
2024	116	(est.)	2029-30	67	209	213	211	295	200	228	216	200	202	0	0	0	0	0	1974	2041
2025	116	(est.)	2030-31	67	210	222	219	215	293	196	231	211	200	0	0	0	0	0	1997	2064
2026	120	(est.)	2031-32	68	215	223	229	223	214	288	199	226	211	0	0	0	0	0	2028	2096
2027	114	(est.)	2032-33	69	206	228	230	234	221	210	292	195	226	0	0	0	0	0	2042	2111
2028	116	(est.)	2033-34	70	208	218	235	235	232	217	213	286	195	0	0	0	0	0	2039	2109

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.

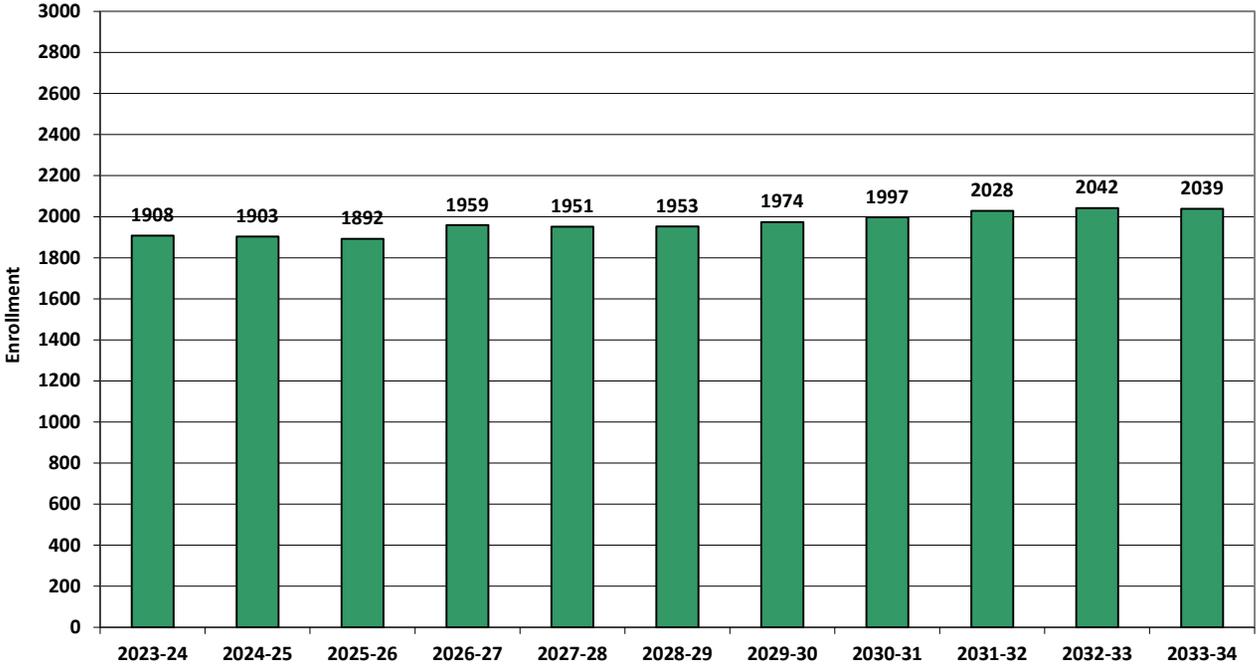
Projected Enrollment in Grade Combinations*								
School Year	PK-5	K-5	PK-2	K-2	3-5	6-8	PK-8	K-8
2023-24	1318	1254	662	598	656	654	1972	1908
2024-25	1321	1257	684	620	637	646	1967	1903
2025-26	1303	1238	681	616	622	654	1957	1892
2026-27	1378	1313	750	685	628	646	2024	1959
2027-28	1390	1324	737	671	653	627	2017	1951
2028-29	1407	1341	761	695	646	612	2019	1953
2029-30	1423	1356	700	633	723	618	2041	1974
2030-31	1422	1355	718	651	704	642	2064	1997
2031-32	1460	1392	735	667	725	636	2096	2028
2032-33	1398	1329	733	664	665	713	2111	2042
2033-34	1415	1345	731	661	684	694	2109	2039

Projected Percentage Changes			
School Year	K-8	Diff.	%
2023-24	1908	0	0.0%
2024-25	1903	-5	-0.3%
2025-26	1892	-11	-0.6%
2026-27	1959	67	3.5%
2027-28	1951	-8	-0.4%
2028-29	1953	2	0.1%
2029-30	1974	21	1.1%
2030-31	1997	23	1.2%
2031-32	2028	31	1.6%
2032-33	2042	14	0.7%
2033-34	2039	-3	-0.1%
<b>Change</b>		<b>131</b>	<b>6.9%</b>

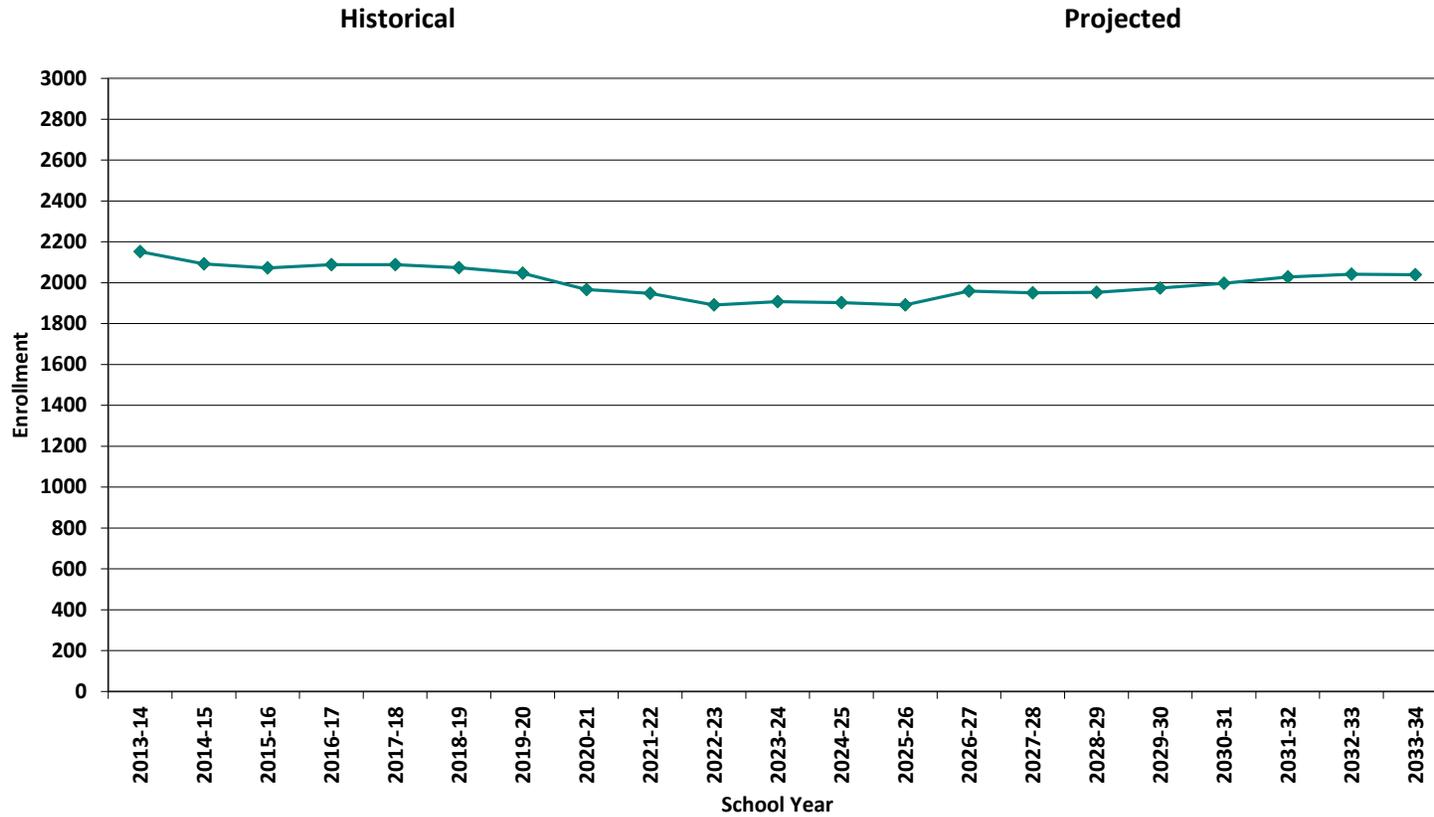
\*Projections should be updated annually to reflect changes in in/out-migration of families, real estate sales, residential construction, births, and similar factors.

**NESDEC** **Projected Enrollment**

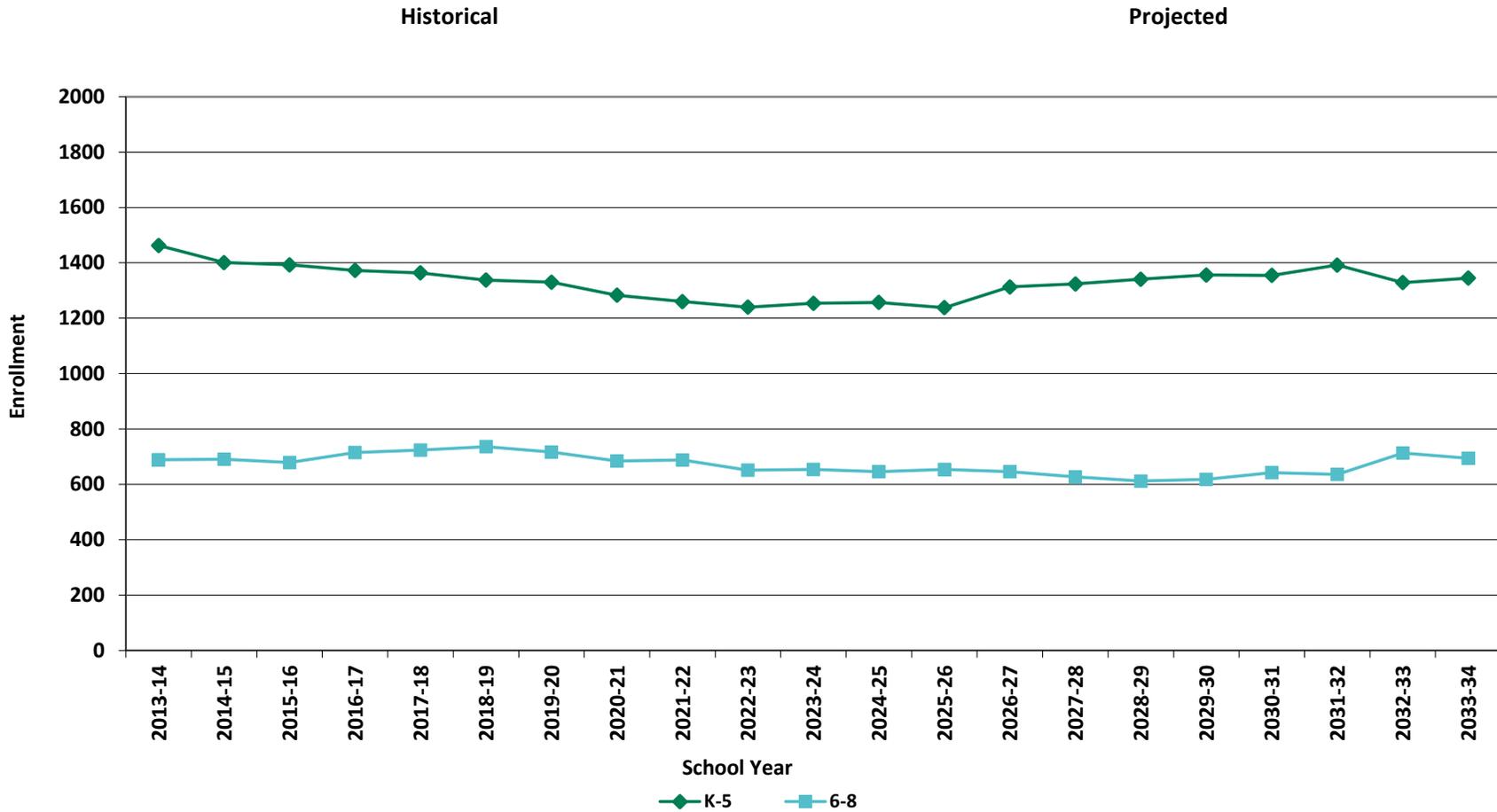
**Grades K-8, School Years 2023-24 to 2033-34**



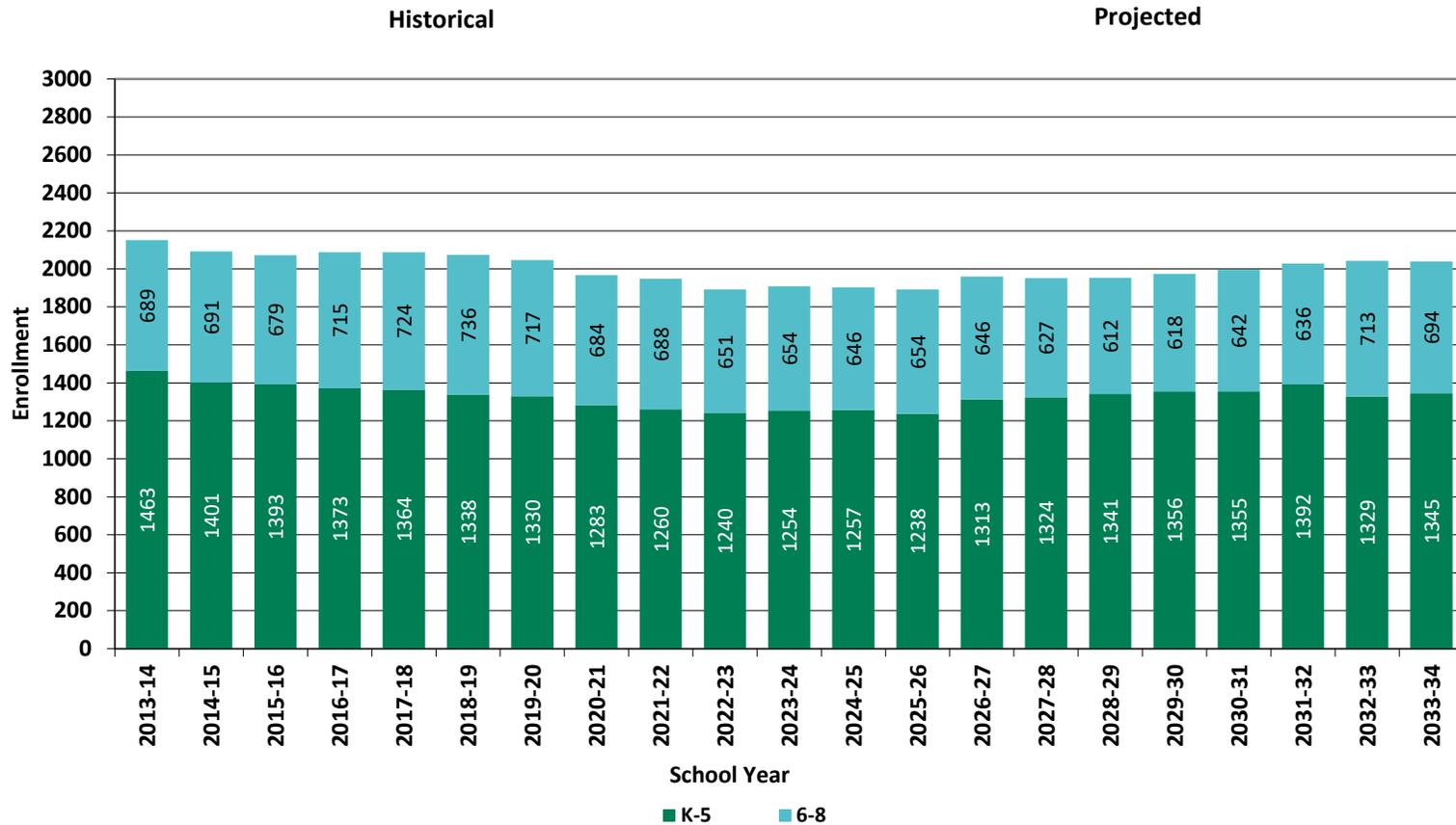
# Historical & Projected Enrollment



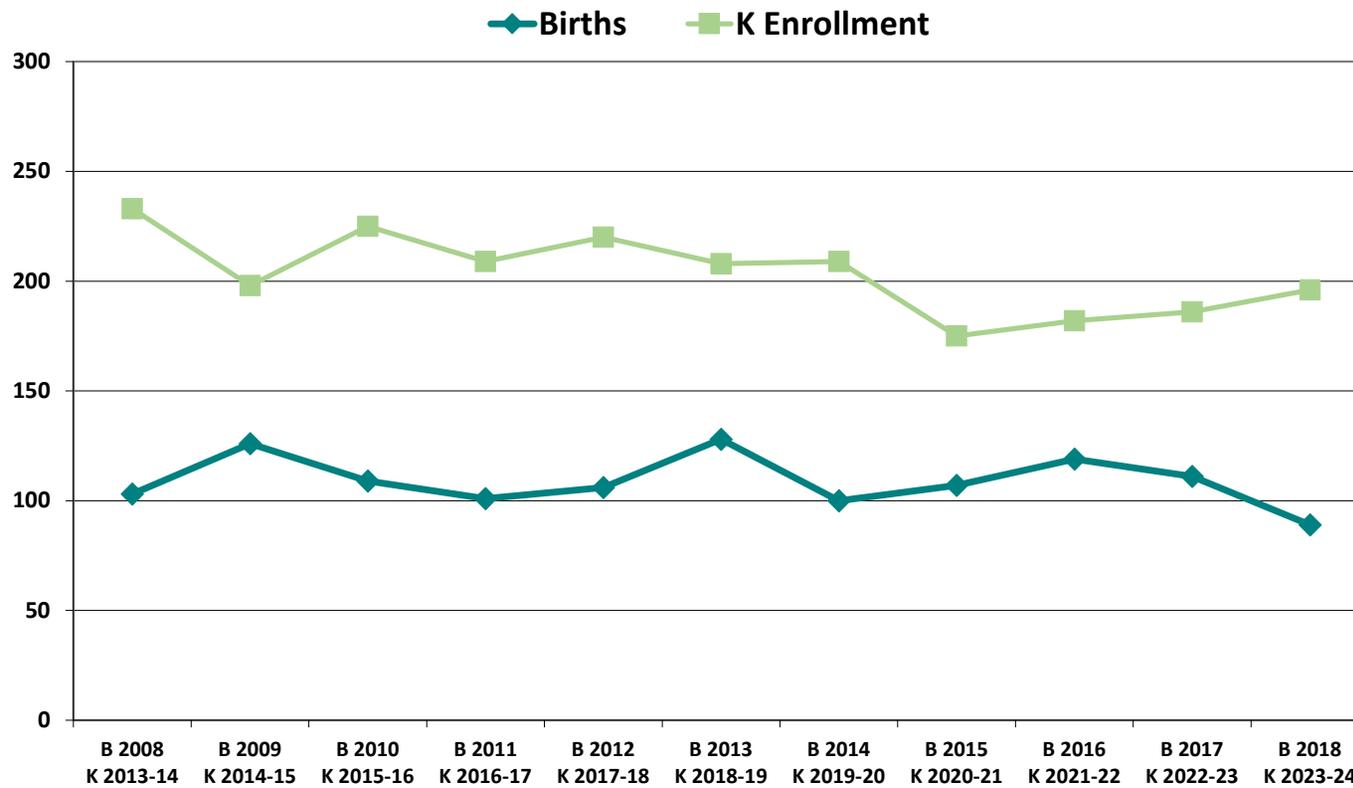
# Historical & Projected Enrollments in Grade Combinations



# Historical & Projected Enrollments in Grade Combinations



# Birth-to-Kindergarten Relationship



## Additional Information

Building Permits Issued (Source: HUD)		
Year	Single-Family	Multi-Units
2019	28	2
2020	27	0
2021	35	0
2022	28	0
2023	17 to date	0 to date

School Year	9 - 12 CTE	K - 8 Non-Public	K - 8 Choice-In	K - 8 Choice-Out	K - 8 Out-of-District SPED	K - 8 Homeschool
2019-20	0	277	0	0	33	25
2020-21	0	194	0	< 10 **	24	16
2021-22	0	170	0	< 10 **	23	45
2022-23	n/a	233	0	< 10 **	18	31
2023-24	0	n/a	29	n/a	15	19

\*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.

## 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)).