

Millis Public Schools Millis, MA

School Year 2023-24 Enrollment Projection Report



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NESDEC

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 9 students of the K-12 total, 1,142 students projected vs. 1,133 enrolled.

Births increased by 5 from a previous ten-year average of 76 to a projected average of 81. In most districts, Grades 1-8 are very stable in enrollments. However, there have been increases in 5 of the 8 most recent years, leading to a net increase averaging 4 students per year.

Over the next three years, Grades K-5 enrollments are projected to increase by 4 students, Grades 6-8 enrollments are projected to increase by 6 students, and Grades 9-12 enrollments are projected to decrease by 7 students, as students move through the grades.



Historical Enrollment

School District: Millis, MA 11/19/2023

	Historical Enrollment By Grade																		
Birth Year	Births*	School Year	PK	К	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2008	80	2013-14	82	78	91	98	112	115	117	117	97	126	88	99	97	107	0	1342	1424
2009	85	2014-15	71	107	81	92	101	114	108	117	118	101	117	87	100	95	0	1338	1409
2010	74	2015-16	77	73	103	78	94	103	109	111	112	121	88	112	87	95	0	1286	1363
2011	91	2016-17	73	85	77	105	74	90	105	108	105	112	100	93	109	89	0	1252	1325
2012	64	2017-18	58	102	82	79	103	78	93	105	105	104	91	97	96	109	0	1244	1302
2013	51	2018-19	49	81	96	83	79	103	78	95	100	107	73	92	94	97	0	1178	1227
2014	71	2019-20	61	80	77	95	80	84	100	76	90	103	79	70	93	90	0	1117	1178
2015	76	2020-21	42	83	83	78	99	82	82	105	77	94	96	72	72	93	0	1116	1158
2016	86	2021-22	53	86	82	90	80	102	88	80	107	79	90	93	70	76	0	1123	1176
2017	84	2022-23	74	90	96	80	92	82	101	85	83	102	67	80	93	75	0	1126	1200
2018	86	2023-24	50	89	94	96	80	99	87	102	89	78	83	65	79	92	0	1133	1183

 $[\]hbox{*Birth data provided by Public Health Vital Records Departments in each state}.$

** < 10 Not reported, to protect sub	bgroups with fewer than 10 students.
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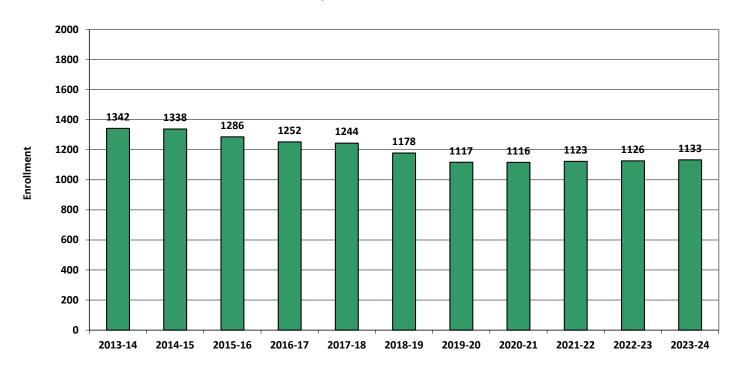
	Historical Enrollment in Grade Combinations									
School Year	PK-5	K-5	PK-8	K-8	5-8	6-8	7-8	6-12	9-12	
2013-14	693	611	1033	951	457	340	223	731	391	
2014-15	674	603	1010	939	444	336	219	735	399	
2015-16	637	560	981	904	453	344	233	726	382	
2016-17	609	536	934	861	430	325	217	716	391	
2017-18	595	537	909	851	407	314	209	707	393	
2018-19	569	520	871	822	380	302	207	658	356	
2019-20	577	516	846	785	369	269	193	601	332	
2020-21	549	507	825	783	358	276	171	609	333	
2021-22	581	528	847	794	354	266	186	595	329	
2022-23	615	541	885	811	371	270	185	585	315	
2023-24	595	545	864	814	356	269	167	588	319	

Historical Percentage Changes									
School Year	K-12	Diff.	%						
2013-14	1342								
2014-15	1338	-4	-0.3%						
2015-16	1286	-52	-3.9%						
2016-17	1252	-34	-2.6%						
2017-18	1244	-8	-0.6%						
2018-19	1178	-66	-5.3%						
2019-20	1117	-61	-5.2%						
2020-21	1116	-1	-0.1%						
2021-22	1123	7	0.6%						
2022-23	1126	3	0.3%						
2023-24	1133	7	0.6%						
Change		-209	-15.6%						



Historical Enrollment

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





Projected Enrollment

School District: Millis, MA 11/19/2023

	Enrollment Projections By Grade*																			
Birth Year	Births*		School Year	PK	К	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2018	86		2023-24	50	89	94	96	80	99	87	102	89	78	83	65	79	92	0	1133	1183
2019	81		2024-25	50	86	92	95	98	83	101	86	105	89	69	78	65	81	0	1128	1178
2020	62		2025-26	51	66	89	93	97	101	84	100	89	105	79	65	78	67	0	1113	1164
2021	88	(prov.)	2026-27	51	94	68	90	94	100	103	83	103	89	93	74	65	80	0	1136	1187
2022	87	(prov.)	2027-28	52	93	97	69	91	97	102	102	85	103	79	88	74	67	0	1147	1199
2023	81	(est.)	2028-29	52	86	96	98	70	94	99	101	105	85	91	74	88	76	0	1163	1215
2024	80	(est.)	2029-30	53	85	89	97	100	72	96	98	104	105	75	86	74	91	0	1172	1225
2025	80	(est.)	2030-31	53	85	88	90	99	104	73	95	101	104	93	71	86	76	0	1165	1218
2026	83	(est.)	2031-32	54	88	88	89	91	102	106	72	98	101	92	88	71	89	0	1175	1229
2027	82	(est.)	2032-33	55	87	91	89	90	94	104	105	74	98	90	87	88	73	0	1170	1225
2028	81	(est.)	2033-34	56	86	90	92	90	93	96	103	108	74	87	85	87	91	0	1182	1238

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 children already born Based on an estimate of births

	Projected Enrollment in Grade Combinations*									
School Year	PK-5	K-5	PK-8	K-8	5-8	6-8	7-8	6-12	9-12	
2023-24	595	545	864	814	356	269	167	588	319	
2024-25	605	555	885	835	381	280	194	573	293	
2025-26	581	530	875	824	378	294	194	583	289	
2026-27	600	549	875	824	378	275	192	587	312	
2027-28	601	549	891	839	392	290	188	598	308	
2028-29	595	543	886	834	390	291	190	620	329	
2029-30	592	539	899	846	403	307	209	633	326	
2030-31	592	539	892	839	373	300	205	626	326	
2031-32	618	564	889	835	377	271	199	611	340	
2032-33	610	555	887	832	381	277	172	615	338	
2033-34	603	547	888	832	381	285	182	635	350	

Projected Percentage Changes									
School Year	K-12	Diff.	%						
2023-24	1133	0	0.0%						
2024-25	1128	-5	-0.4%						
2025-26	1113	-15	-1.3%						
2026-27	1136	23	2.1%						
2027-28	1147	11	1.0%						
2028-29	1163	16	1.4%						
2029-30	1172	9	0.8%						
2030-31	1165	-7	-0.6%						
2031-32	1175	10	0.9%						
2032-33	1170	-5	-0.4%						
2033-34	1182	12	1.0%						
Change		49	4.3%						

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

^{*}Birth data provided by Public Health Vital Records Departments in each state.

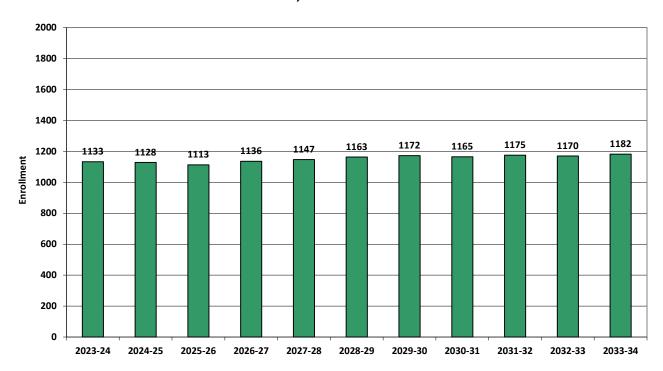
^{** &}lt; 10 Not reported, to protect subgroups with fewer than 10 students.

Based on students already enrolled



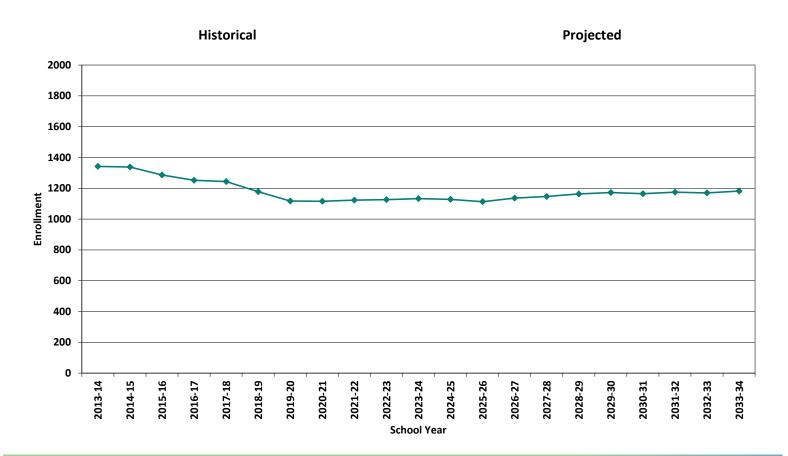
Projected Enrollment

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



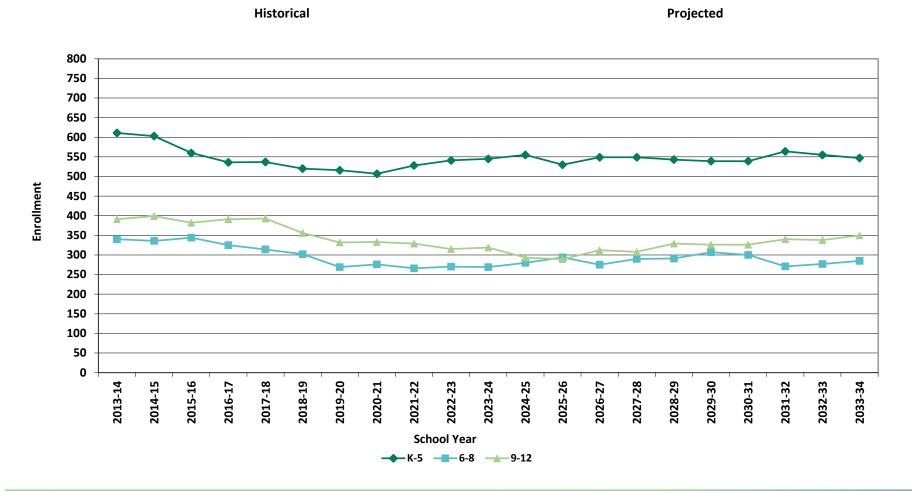


Historical & Projected Enrollment



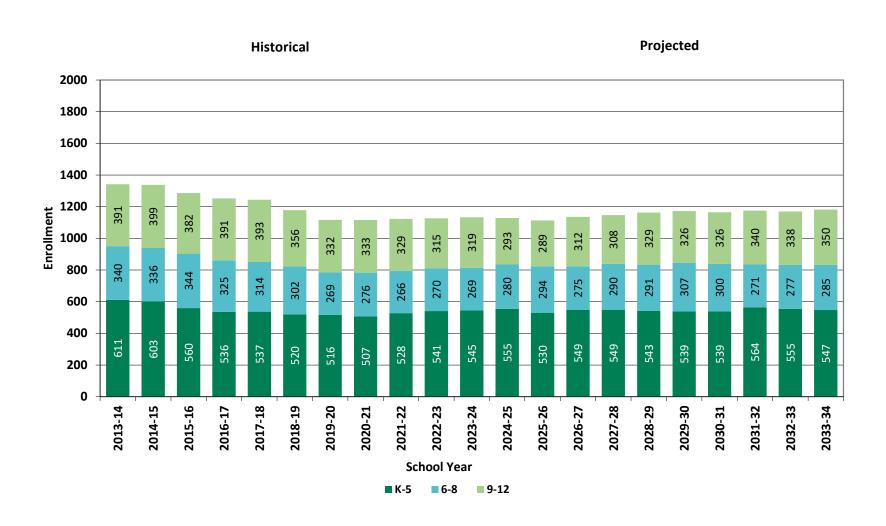
<u>|VESDEC</u>

Historical & Projected Enrollments in Grade Combinations



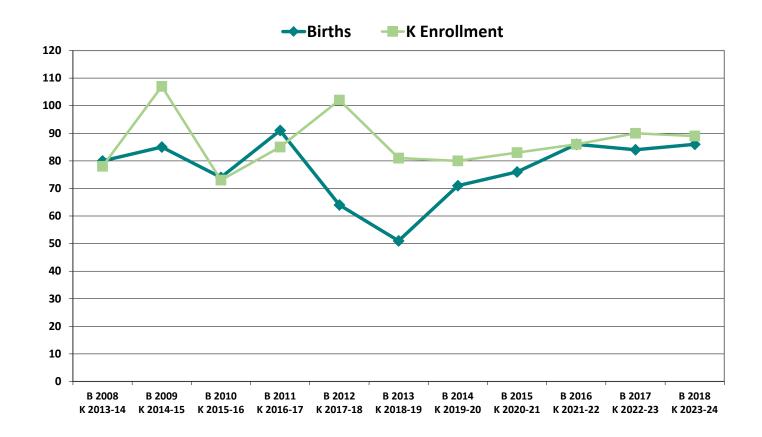
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Historical & Projected Enrollments in Grade Combinations





Birth-to-Kindergarten Relationship





Additional Information

	Building Permits Issued (Source: HUD)								
Year	Single-Family	Multi-Units							
2019	64	35							
2020	61	29							
2021	93	0							
2022	86	3							
2023	57 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	66	79	83	37	21	< 10 **
2020-21	69	76	85	38	19	19
2021-22	61	69	88	76	23	15
2022-23	44	65	68	31	28	9
2023-24	40	n/a	60	n/a	20	< 10 **

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

[&]quot;n/a" signifies that information was not provided by District.

^{** &}lt; 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%
СТ	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).