



*New England School Development Council*

**Milton Public Schools  
Milton, MA**

**2021-22 Enrollment Projection Report**

# Enrollment Summary

The global pandemic continues to influence our nation's public health and economic stability in unpredictable ways. As such, it is still too early to identify many of the factors that could impact school enrollments. Over the past school year, we have seen fluctuations in the real estate market and job trends, which have impacted student attendance patterns. Moreover, during the past school year, we have seen how school enrollment patterns can differ substantially from one district to another, with some districts losing students while others experience an influx of students.

We are pleased to send you the past, present, and projected enrollments for your District. New this year, we have added graphs that highlight Historical and Projected Enrollments in Grade Combinations. We have received the figures given to us by the District and we assume that the method of collecting the enrollment data has been consistent from year to year.

Of note, projections are generally more reliable when they are closest in time to the current year. Projections four to ten years out may serve as a guide to future enrollments.

In light of this, NESDEC has added a "Second Semester refresher" enrollment projection at no cost to affiliates.

The NESDEC enrollment projection fell within +31 students of the K-12 total (4,241 students projected vs. 4,272 enrolled). Births have stabilized. Enrollment in Grades 1-8 is usually pretty stable and a good predictor. For the past eight years, grades 1-8 were losing an average of -35 net "move-outs" of students in the following year. Over the next three years, K-5 enrollments are projected to decline, and Grades 6-8 are projected to increase.



# Historical Enrollment

School District: Milton, MA

10/12/2021

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
2006	296	2011-12	99	302	337	351	333	295	311	323	258	276	238	241	276	252	0	3793	3892
2007	282	2012-13	101	323	331	337	349	329	295	321	310	266	236	237	234	268	0	3836	3937
2008	272	2013-14	91	314	339	323	337	339	333	311	294	305	244	244	234	228	1	3846	3937
2009	264	2014-15	84	350	341	352	326	327	344	337	289	290	262	247	236	226	6	3933	4017
2010	258	2015-16	125	335	363	349	346	335	343	328	300	273	248	262	255	230	6	3973	4098
2011	248	2016-17	139	365	337	371	351	353	338	329	289	299	240	240	263	239	5	4019	4158
2012	293	2017-18	136	356	373	348	363	357	355	322	303	286	272	238	240	263	1	4077	4213
2013	289	2018-19	134	356	373	381	355	362	350	342	300	296	270	272	235	247	0	4139	4273
2014	324	2019-20	137	372	377	383	399	362	366	351	324	305	269	277	272	233	6	4296	4433
2015	262	2020-21	100	309	365	359	385	393	347	340	308	306	291	273	273	275	9	4233	4333
2016	288	2021-22	122	350	335	375	372	392	392	323	321	293	266	285	279	289	15	4287	4409

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

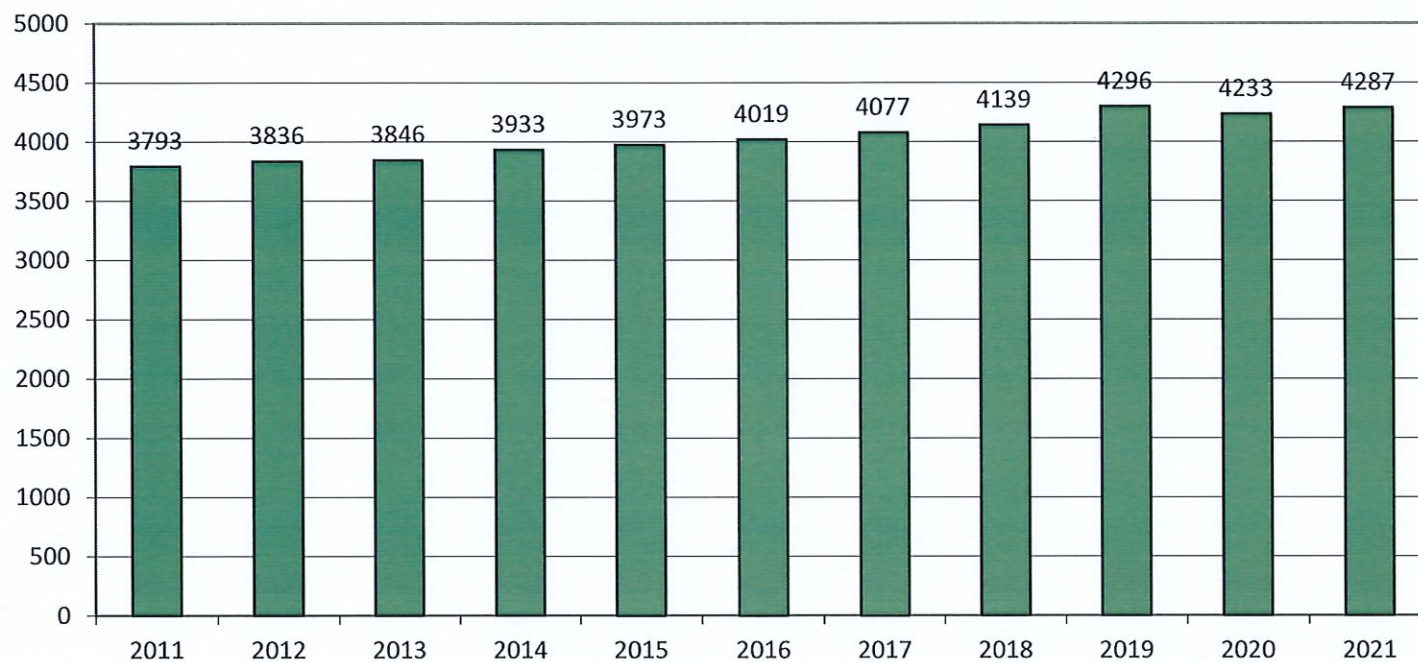
Historical Enrollment in Grade Combinations									
Year	PK-5	K-5	PK-8	K-8	5-8	6-8	7-8	6-12	9-12
2011-12	2028	1929	2885	2786	1168	857	534	1864	1007
2012-13	2065	1964	2962	2861	1192	897	576	1872	975
2013-14	2076	1985	2986	2895	1243	910	599	1860	950
2014-15	2124	2040	3040	2956	1260	916	579	1887	971
2015-16	2196	2071	3097	2972	1244	901	573	1896	995
2016-17	2254	2115	3171	3032	1255	917	588	1899	982
2017-18	2288	2152	3199	3063	1266	911	589	1924	1013
2018-19	2311	2177	3249	3115	1288	938	596	1962	1024
2019-20	2396	2259	3376	3239	1346	980	629	2031	1051
2020-21	2258	2158	3212	3112	1301	954	614	2066	1112
2021-22	2338	2216	3275	3153	1329	937	614	2056	1119

Historical Percentage Changes			
Year	K-12	Diff.	%
2011-12	3793	0	0.0%
2012-13	3836	43	1.1%
2013-14	3846	10	0.3%
2014-15	3933	87	2.3%
2015-16	3973	40	1.0%
2016-17	4019	46	1.2%
2017-18	4077	58	1.4%
2018-19	4139	62	1.5%
2019-20	4296	157	3.8%
2020-21	4233	-63	-1.5%
2021-22	4287	54	1.3%
Change	494		13.0%



## Historical Enrollment

K-12, 2011-2021



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# Projected Enrollment

School District: Milton, MA


10/12/2021

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
2016	288		2021-22	122	350	335	375	372	392	392	323	321	293	266	285	279	289	15	4287	4409
2017	272		2022-23	123	324	365	342	386	376	392	374	300	312	268	268	286	285	15	4293	4416
2018	255	(prov.)	2023-24	124	303	337	372	352	390	376	374	348	291	285	270	269	292	15	4274	4398
2019	291	(prov.)	2024-25	125	346	316	344	383	356	390	359	348	338	266	287	271	274	15	4293	4418
2020	252	(prov.)	2025-26	126	300	360	322	354	387	356	372	334	338	309	268	288	277	15	4280	4406
2021	272	(est.)	2026-27	127	323	312	367	332	358	387	340	346	324	309	311	269	294	15	4287	4414
2022	268	(est.)	2027-28	128	319	336	318	378	335	358	369	316	336	296	311	312	274	15	4273	4401
2023	268	(est.)	2028-29	129	318	332	343	327	382	335	342	343	307	307	298	312	318	15	4279	4408
2024	270	(est.)	2029-30	130	321	331	339	353	330	382	320	318	333	281	309	299	318	15	4249	4379
2025	266	(est.)	2030-31	131	316	334	338	349	357	330	365	298	309	305	283	310	305	15	4214	4345
2026	269	(est.)	2031-32	132	320	329	341	348	352	357	315	339	289	283	307	284	316	15	4195	4327

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

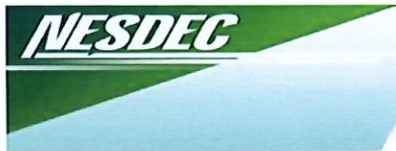
 Based on students already enrolled

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

Projected Enrollment in Grade Combinations*									
Year	PK-5	K-5	PK-8	K-8	5-8	6-8	7-8	6-12	9-12
2021-22	2338	2216	3275	3153	1329	937	614	2056	1119
2022-23	2308	2185	3294	3171	1378	986	612	2093	1107
2023-24	2254	2130	3267	3143	1389	1013	639	2129	1116
2024-25	2260	2135	3305	3180	1435	1045	686	2143	1098
2025-26	2205	2079	3249	3123	1400	1044	672	2186	1142
2026-27	2206	2079	3216	3089	1397	1010	670	2193	1183
2027-28	2172	2044	3193	3065	1379	1021	652	2214	1193
2028-29	2166	2037	3158	3029	1327	992	650	2227	1235
2029-30	2186	2056	3157	3027	1353	971	651	2178	1207
2030-31	2155	2024	3127	2996	1302	972	607	2175	1203
2031-32	2179	2047	3122	2990	1300	943	628	2133	1190

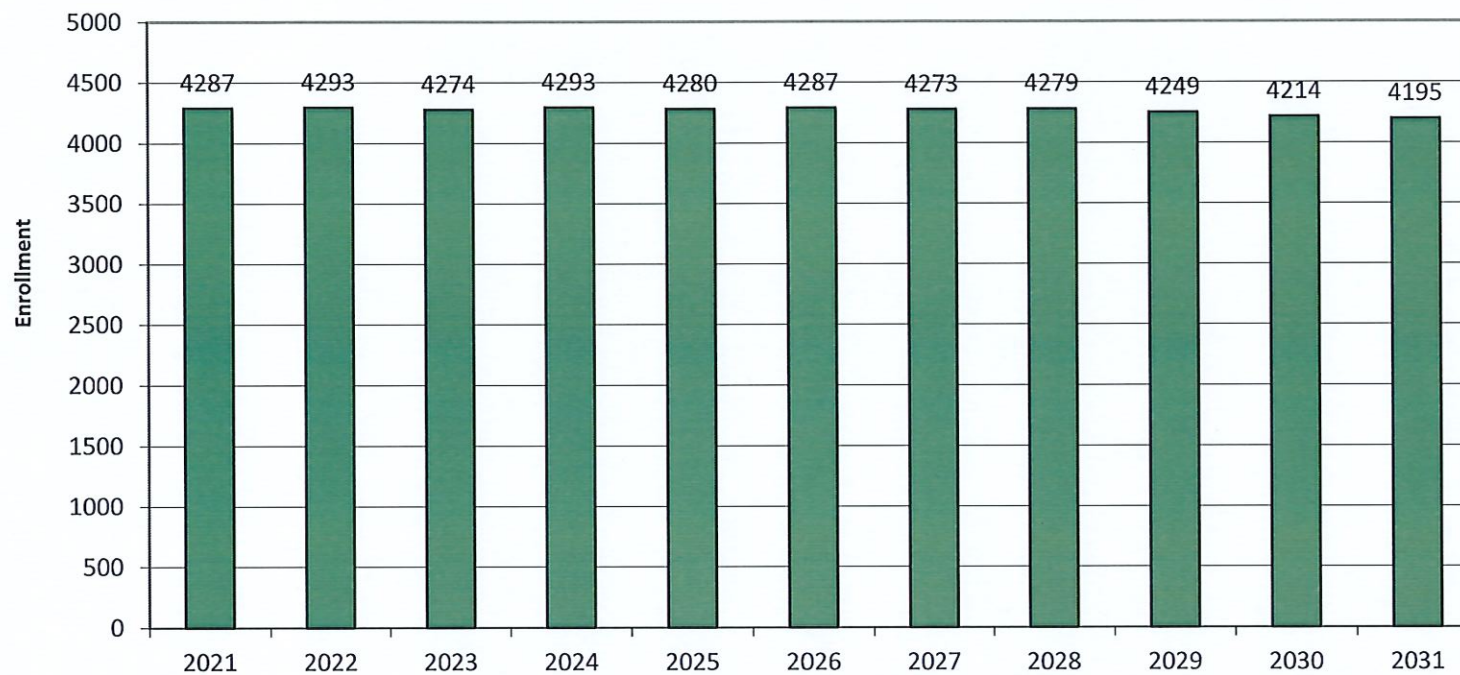
Projected Percentage Changes			
Year	K-12	Diff.	%
2021-22	4287	0	0.0%
2022-23	4293	6	0.1%
2023-24	4274	-19	-0.4%
2024-25	4293	19	0.4%
2025-26	4280	-13	-0.3%
2026-27	4287	7	0.2%
2027-28	4273	-14	-0.3%
2028-29	4279	6	0.1%
2029-30	4249	-30	-0.7%
2030-31	4214	-35	-0.8%
2031-32	4195	-19	-0.5%
Change		-92	-2.1%

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



## Projected Enrollment

K-12 To 2031 Based On Data Through School Year 2021-22

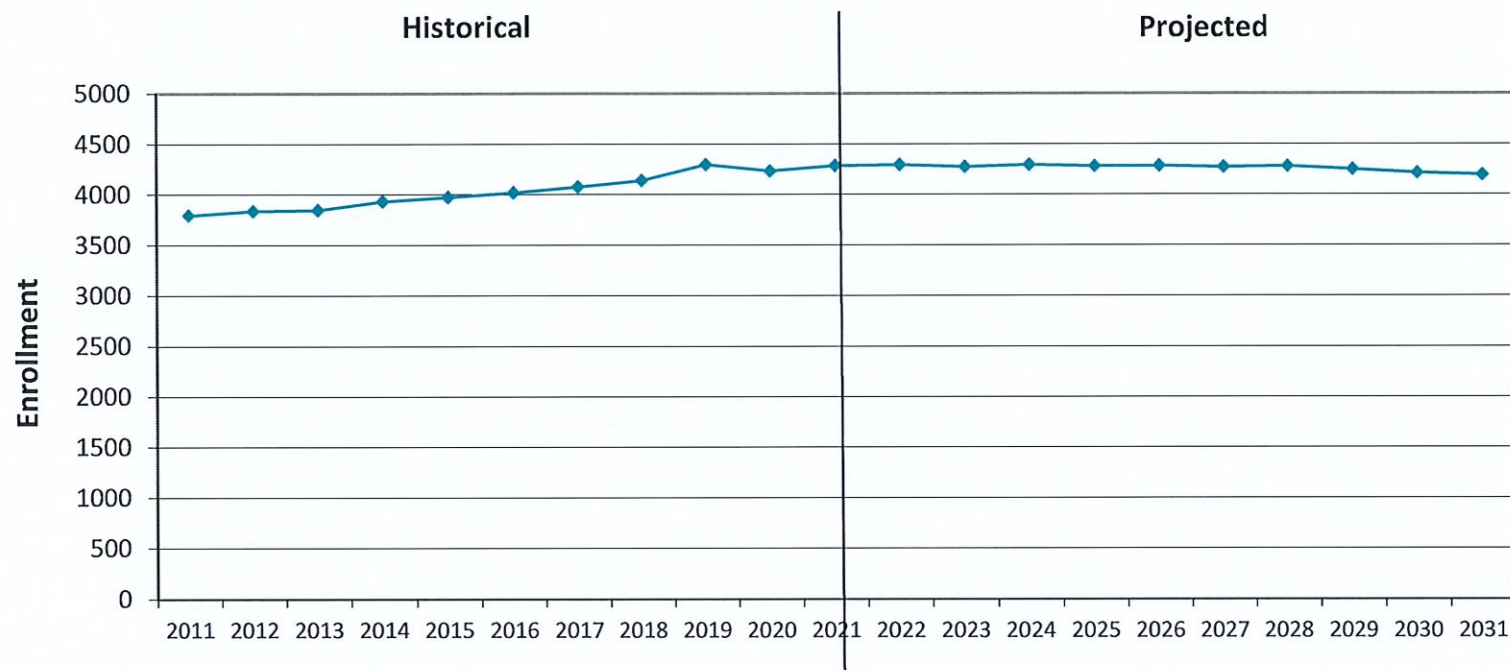


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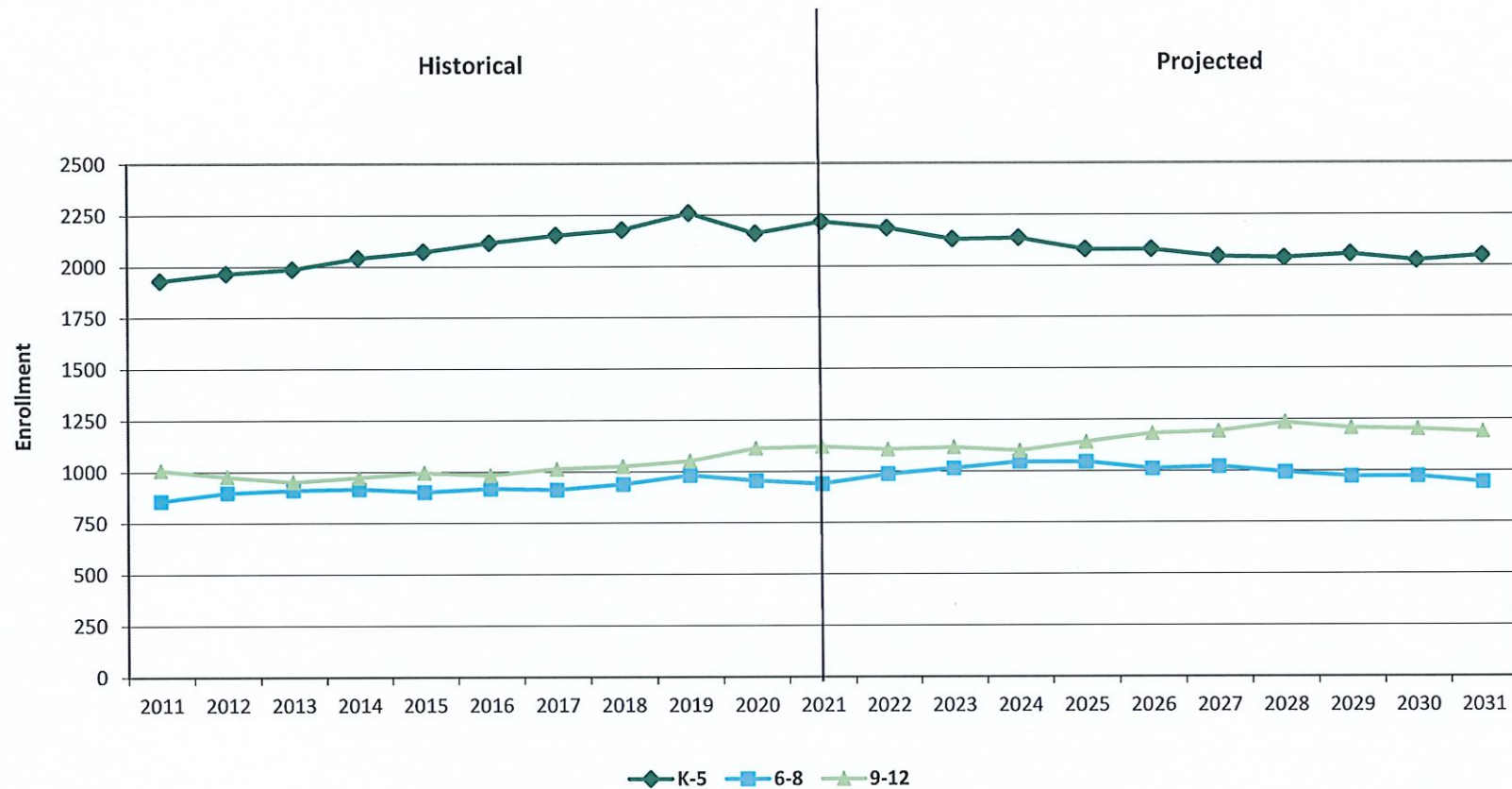


# Historical & Projected Enrollment

K-12, 2011-2031

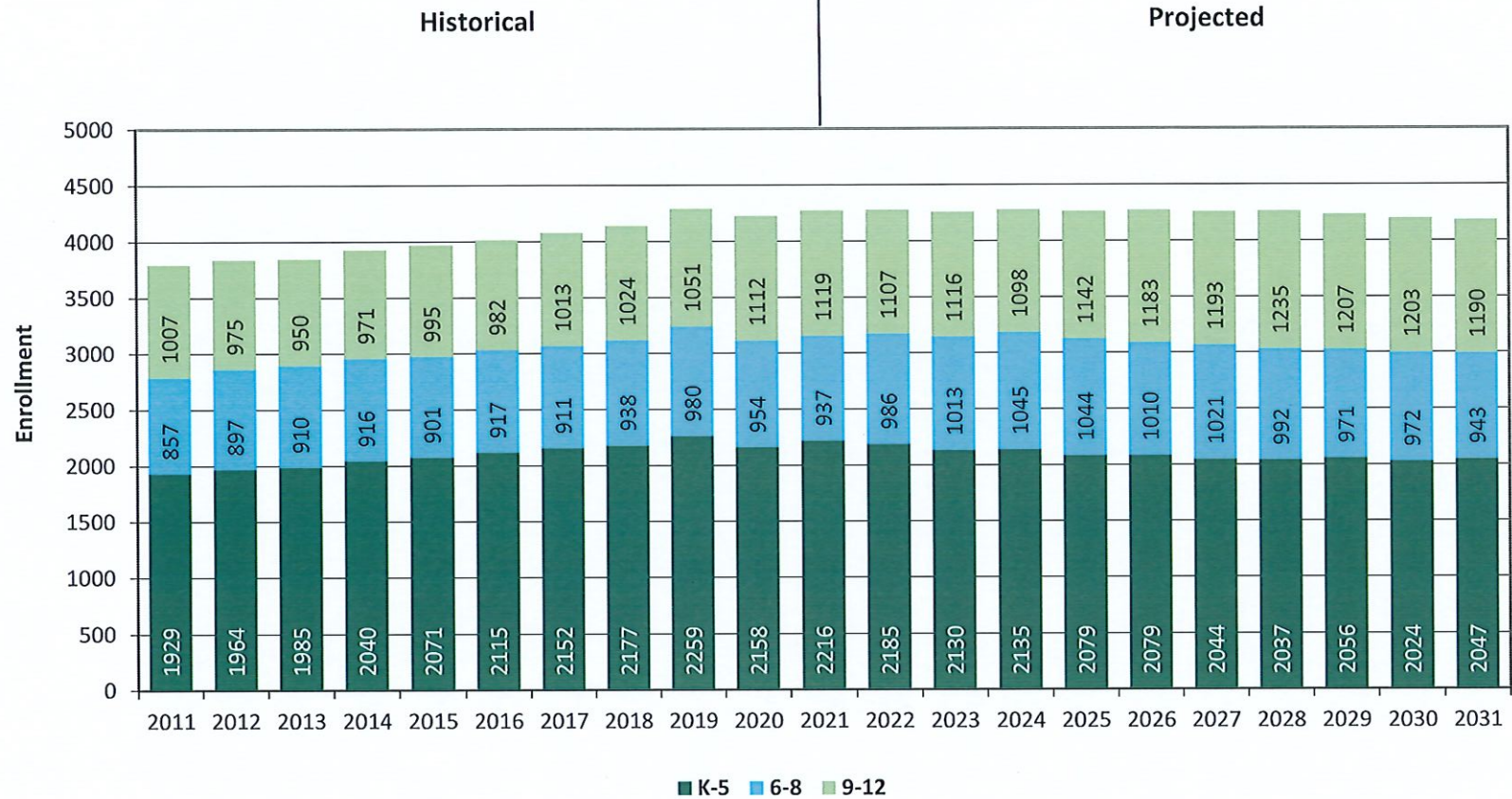


## Historical & Projected Enrollments in Grade Combinations



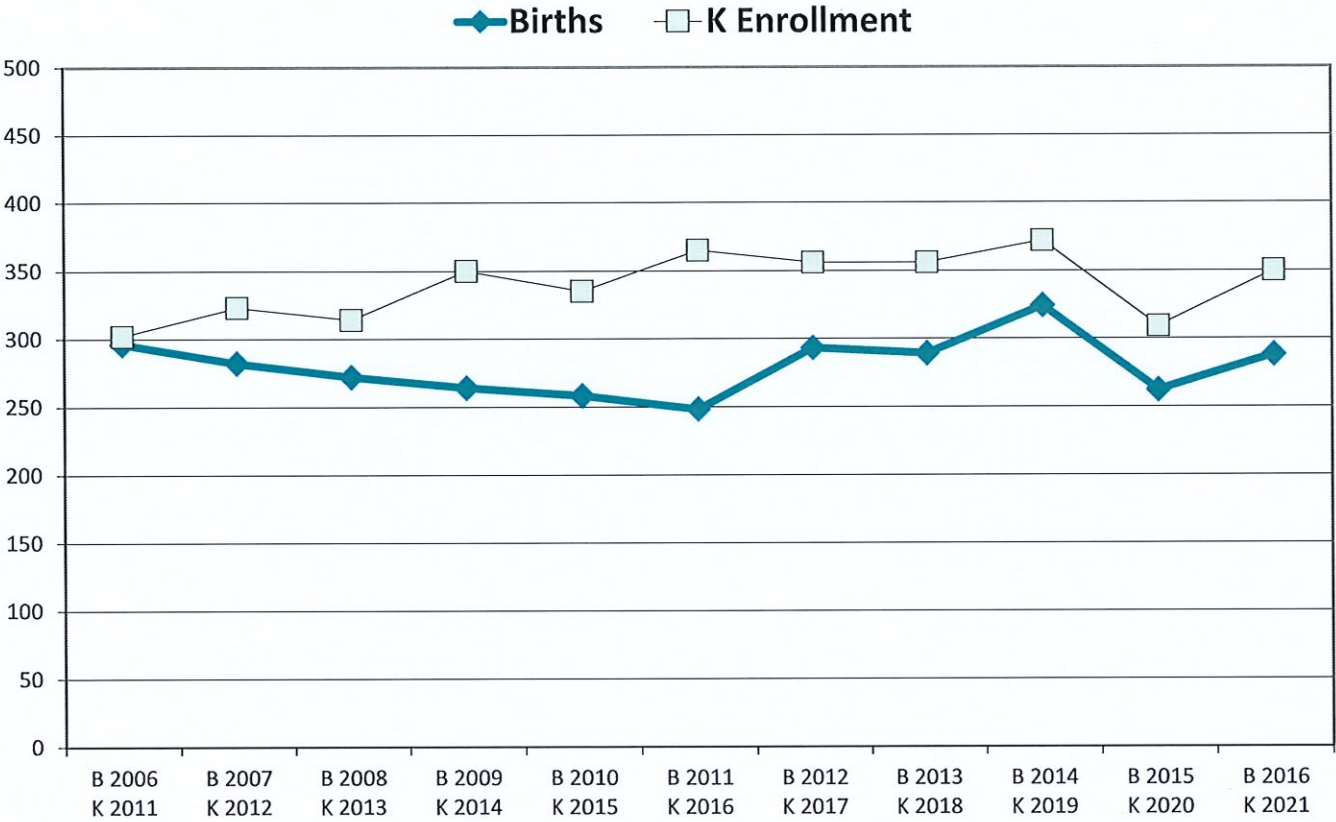


# Historical & Projected Enrollments in Grade Combinations





# Birth-to-Kindergarten Relationship





## Additional Data

Building Permits Issued (Source: HUD)		
Year	Single-Family	Multi-Units
2011	2	0
2017	16	0
2018	20	0
2019	17	2
2020	22	0
2021	12 to date	6 to date

Enrollment History*		
Year	Career-Tech 9-12 Total	Non-Public K-12 Total
2011-12	49	1072
2017-18	56	n/a
2018-19	n/a	930
2019-20	34	882
2020-21	35	939
2021-22	42	n/a

Residents in Non-Public Independent and Parochial Schools (General Education)*														
Enrollments1/ 1/21Oct. 1	K	1	2	3	4	5	6	7	8	9	10	11	12	K-12 TOTAL
	42	29	24	27	37	39	68	109	93	102	121	119	129	939

K-12 Home-Schooled Students*	
44197	40

K-12 Residents in Charter or Magnet Schools, or Choiced-out*	
2021	5

K-12 Special Education Outplaced Students*	
2021	8

K-12 Tuitioned-In, Choiced-In, & Other Non-Residents*	
2021	1

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

"N/A" signifies that information was not provided by District.



## New England's PK-12 Enrollments The "Big Picture"

From 2018 to 2029, the U.S. Department of Education anticipates changes in PK-12 enrollment of +3.3% in the South; +0.9% in the West, -1.8% in the Midwest; and -2.6% in the Northeast.

State	Fall 2018 PK - 12	Fall 2029 Projected	PK-12 Decline	% Change, 2018-2029
CT	526,634	478,000	-48,634	-9.2%
ME	180,461	174,500	-5,961	-3.3%
MA	962,297	945,400	-16,897	-1.8%
NH	178,515	166,100	-12,415	-6.9%
RI	143,436	139,900	-3,536	-2.5%
VT	87,074	82,000	-5,074	-5.8%

SOURCE: U.S. Department of Education, National Center for Education Statistics,  
Table 203.20, August 2020

Note: Data collected prior to 2020 Coronavirus pandemic.

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 one district to the next. 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.



## 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 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 2018-19 increased to 104 students in Grade 2 in 2019-20, 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. Projections are generally most reliable when they are closest in time to the current year, and the more stable the variables noted above, the easier and more reliable the projections. Projections six to ten years out may serve as a guide to future enrollments and are useful for facility planning purposes, but they should be viewed as subject to change, given the likelihood of changes in the underlying assumptions/trends.

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" slide/page.

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)).