



*New England School Development Council*

**Amherst, NH**

**2021-22 Enrollment Projection Report**

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# Amherst, NH 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.

This is the first enrollment projection for Amherst. Next fall, we can determine the accuracy of NESDECs projections for 2022-23.

Births increased by +3 from a previous ten-year average of 87 to a projected average of 90.

Over the next three years, K-4 enrollments are projected to increase by a total of +52 students.

# Historical Enrollment

School District: Amherst, NH

3/22/2022

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
2006	96	2011-12	18	97	107	127	139	138	152	185	223	202	0	0	0	0	0	1370	1388
2007	104	2012-13	23	97	115	113	135	139	140	149	222	216	0	0	0	0	0	1326	1349
2008	90	2013-14	26	109	119	112	121	139	148	142	171	223	0	0	0	0	0	1284	1310
2009	98	2014-15	33	92	131	119	116	121	135	147	185	173	0	0	0	0	0	1219	1252
2010	83	2015-16	36	96	119	130	124	119	130	137	172	185	0	0	0	0	0	1212	1248
2011	83	2016-17	33	125	121	128	138	128	129	137	176	169	0	0	0	0	0	1251	1284
2012	80	2017-18	35	108	138	116	132	143	136	142	174	185	0	0	0	0	0	1274	1309
2013	89	2018-19	33	126	122	140	123	137	148	144	166	179	0	0	0	0	0	1285	1318
2014	68	2019-20	39	97	142	128	140	139	138	154	168	163	0	0	0	0	0	1269	1308
2015	84	2020-21	19	109	104	144	125	143	130	137	186	166	0	0	0	0	0	1244	1263
2016	93	2021-22	42	119	121	122	146	128	150	134	178	188	0	0	0	0	0	1286	1328

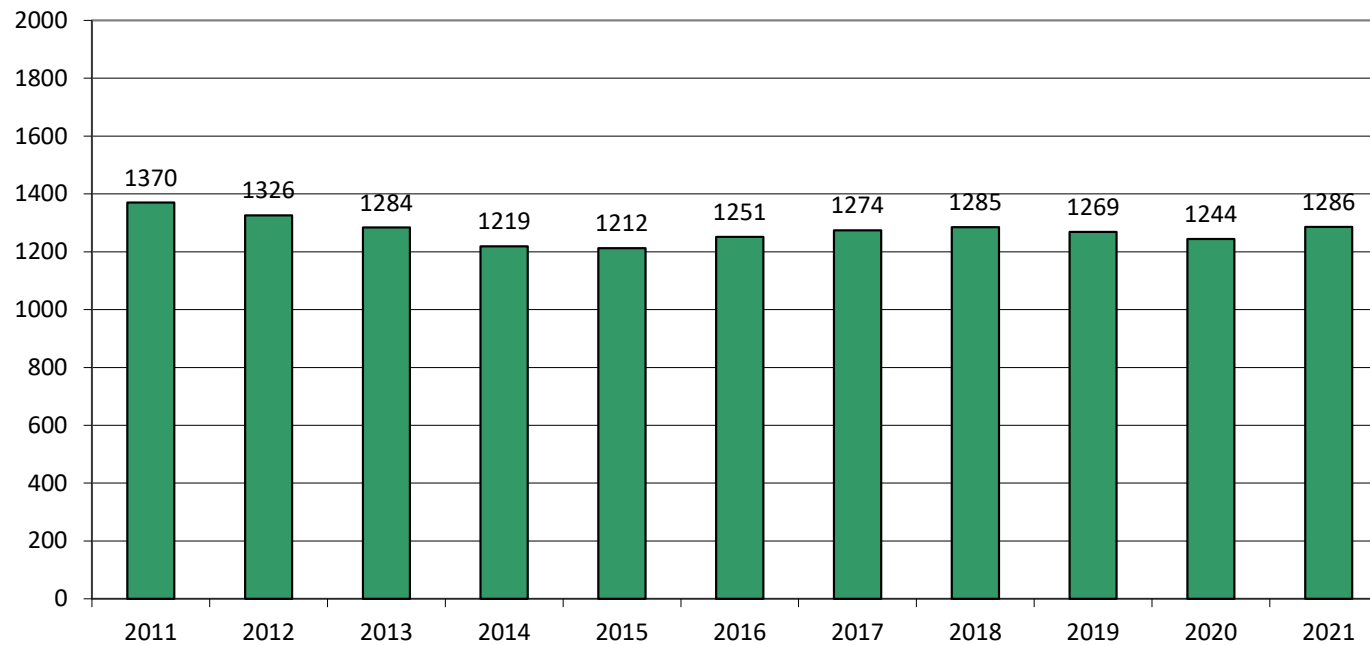
\*Birth data provided by Public Health Vital Records Departments in each state.

Historical Enrollment in Grade Combinations									
Year	K-4	PK-4	K-6	PK-6	K-8	PK-8	5-8	5-6	7-8
2011-12	608	626	945	963	1370	1388	762	337	425
2012-13	599	622	888	911	1326	1349	727	289	438
2013-14	600	626	890	916	1284	1310	684	290	394
2014-15	579	612	861	894	1219	1252	640	282	358
2015-16	588	624	855	891	1212	1248	624	267	357
2016-17	640	673	906	939	1251	1284	611	266	345
2017-18	637	672	915	950	1274	1309	637	278	359
2018-19	648	681	940	973	1285	1318	637	292	345
2019-20	646	685	938	977	1269	1308	623	292	331
2020-21	625	644	892	911	1244	1263	619	267	352
2021-22	636	678	920	962	1286	1328	650	284	366

Historical Percentage Changes			
Year	K-8	Diff.	%
2011-12	1370	0	0.0%
2012-13	1326	-44	-3.2%
2013-14	1284	-42	-3.2%
2014-15	1219	-65	-5.1%
2015-16	1212	-7	-0.6%
2016-17	1251	39	3.2%
2017-18	1274	23	1.8%
2018-19	1285	11	0.9%
2019-20	1269	-16	-1.2%
2020-21	1244	-25	-2.0%
2021-22	1286	42	3.4%
Change		-84	-6.1%

# Historical Enrollment

K-8, 2011-2021



# Projected Enrollment

School District: **Amherst, NH**

3/22/2022

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
2016	93		2021-22	42	119	121	122	146	128	150	134	178	188	0	0	0	0	0	1286	1328
2017	92		2022-23	42	124	133	131	125	151	131	155	164	178	0	0	0	0	0	1292	1334
2018	80		2023-24	42	108	139	143	134	129	155	135	190	164	0	0	0	0	0	1297	1339
2019	97		2024-25	43	131	121	150	147	139	132	160	165	190	0	0	0	0	0	1335	1378
2020	89	0	2025-26	43	120	147	131	154	152	142	136	196	165	0	0	0	0	0	1343	1386
2021	93	0	2026-27	43	126	134	159	134	159	156	146	167	196	0	0	0	0	0	1377	1420
2022	90	(est.)	2027-28	44	122	141	145	163	139	163	161	179	167	0	0	0	0	0	1380	1424
2023	90	(est.)	2028-29	44	121	137	152	149	169	142	168	197	179	0	0	0	0	0	1414	1458
2024	92	(est.)	2029-30	44	124	136	148	156	154	173	146	206	197	0	0	0	0	0	1440	1484
2025	91	(est.)	2030-31	45	123	139	147	152	161	158	178	179	206	0	0	0	0	0	1443	1488
2026	91	(est.)	2031-32	45	123	138	150	151	157	165	163	218	179	0	0	0	0	0	1444	1489

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.

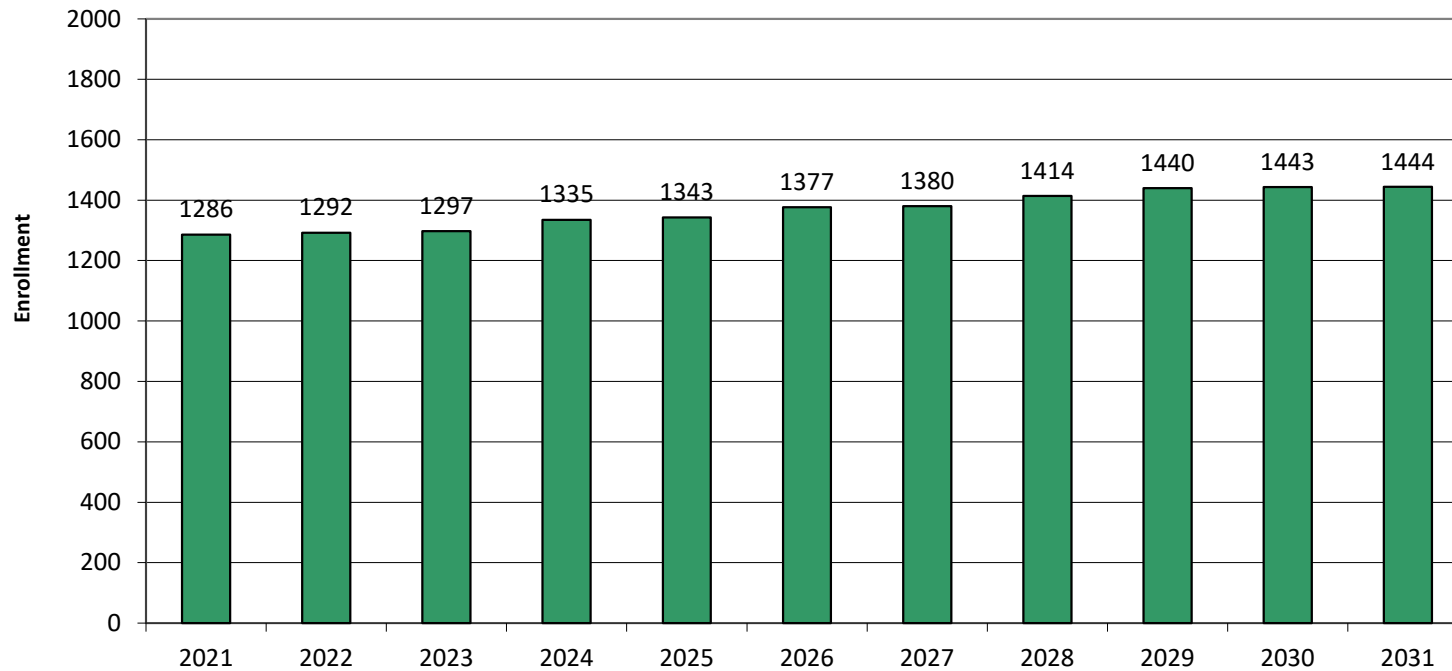
Projected Enrollment in Grade Combinations*									
Year	K-4	PK-4	K-6	PK-6	K-8	PK-8	5-8	5-6	7-8
2021-22	636	678	920	962	1286	1328	650	284	366
2022-23	664	706	950	992	1292	1334	628	286	342
2023-24	653	695	943	985	1297	1339	644	290	354
2024-25	688	731	980	1023	1335	1378	647	292	355
2025-26	704	747	982	1025	1343	1386	639	278	361
2026-27	712	755	1014	1057	1377	1420	665	302	363
2027-28	710	754	1034	1078	1380	1424	670	324	346
2028-29	728	772	1038	1082	1414	1458	686	310	376
2029-30	718	762	1037	1081	1440	1484	722	319	403
2030-31	722	767	1058	1103	1443	1488	721	336	385
2031-32	719	764	1047	1092	1444	1489	725	328	397

Projected Percentage Changes			
Year	K-8	Diff.	%
2021-22	1286	0	0.0%
2022-23	1292	6	0.5%
2023-24	1297	5	0.4%
2024-25	1335	38	2.9%
2025-26	1343	8	0.6%
2026-27	1377	34	2.5%
2027-28	1380	3	0.2%
2028-29	1414	34	2.5%
2029-30	1440	26	1.8%
2030-31	1443	3	0.2%
2031-32	1444	1	0.1%
Change		158	12.3%

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

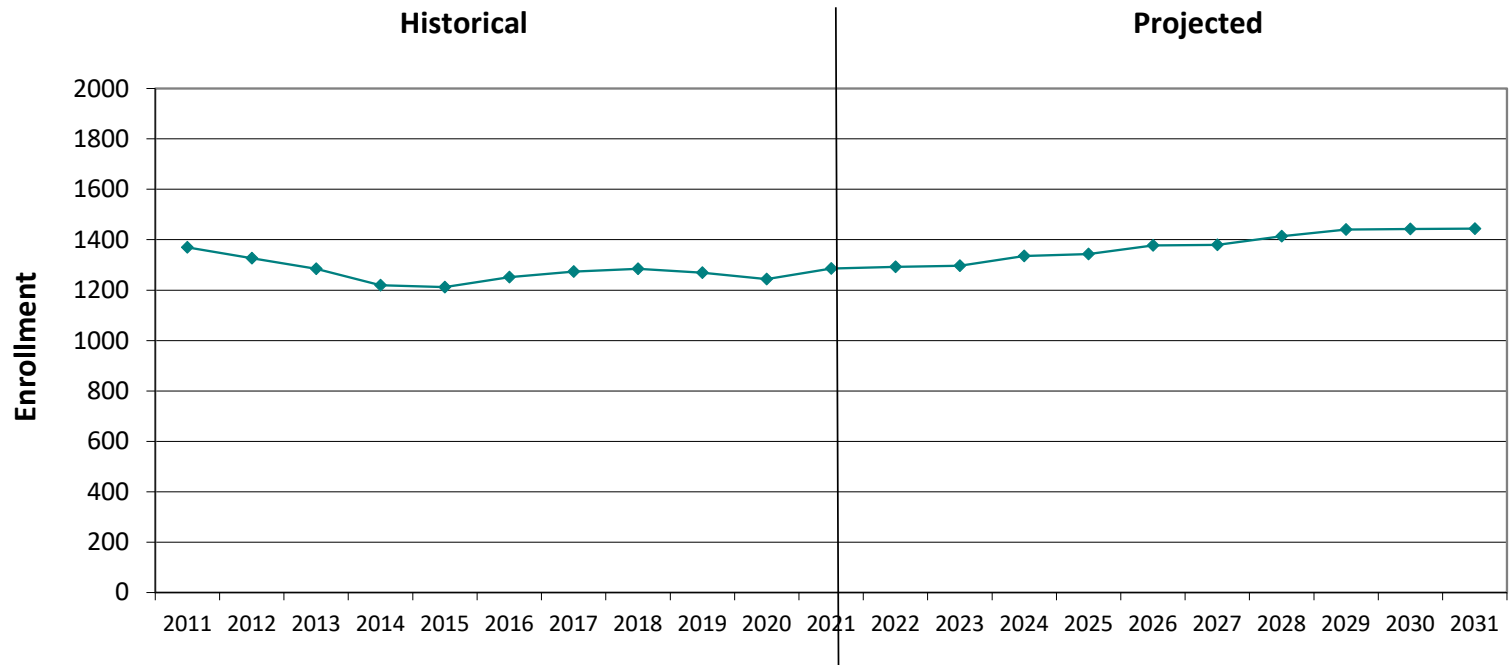
# Projected Enrollment

K-8 To 2031 Based On Data Through School Year 2021-22

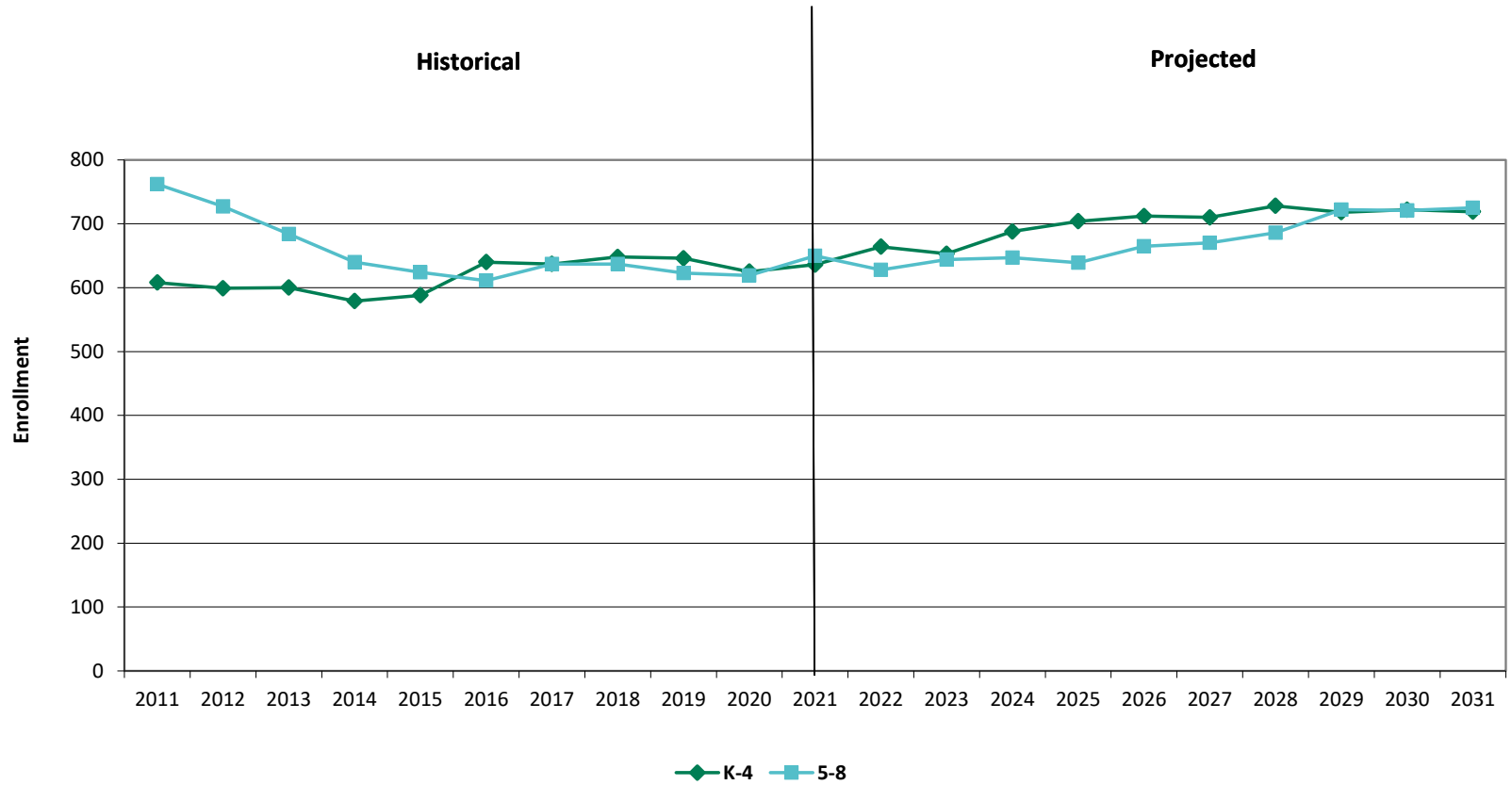


# Historical & Projected Enrollment

**K-8, 2011-2031**

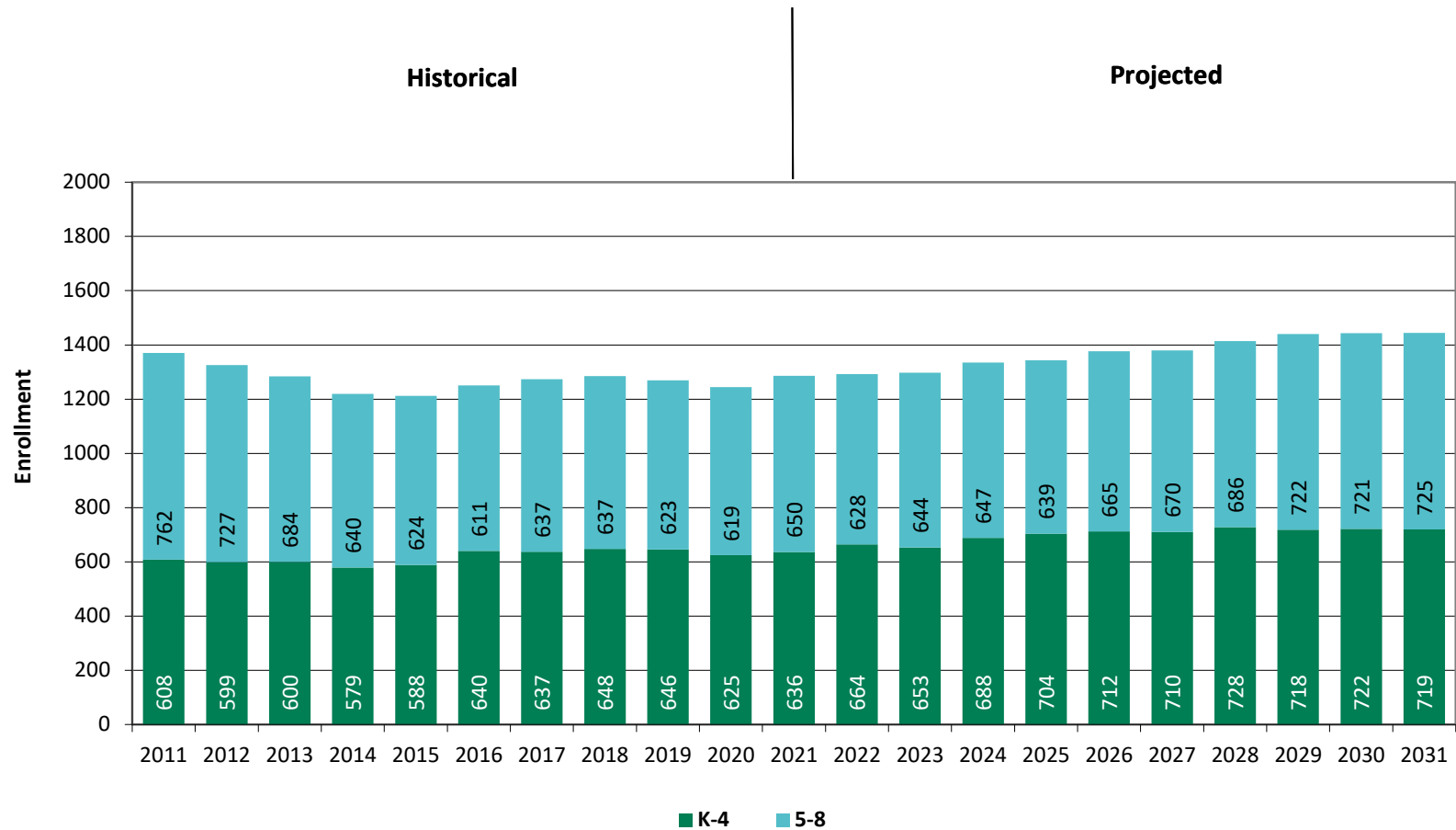


# Historical & Projected Enrollments in Grade Combinations

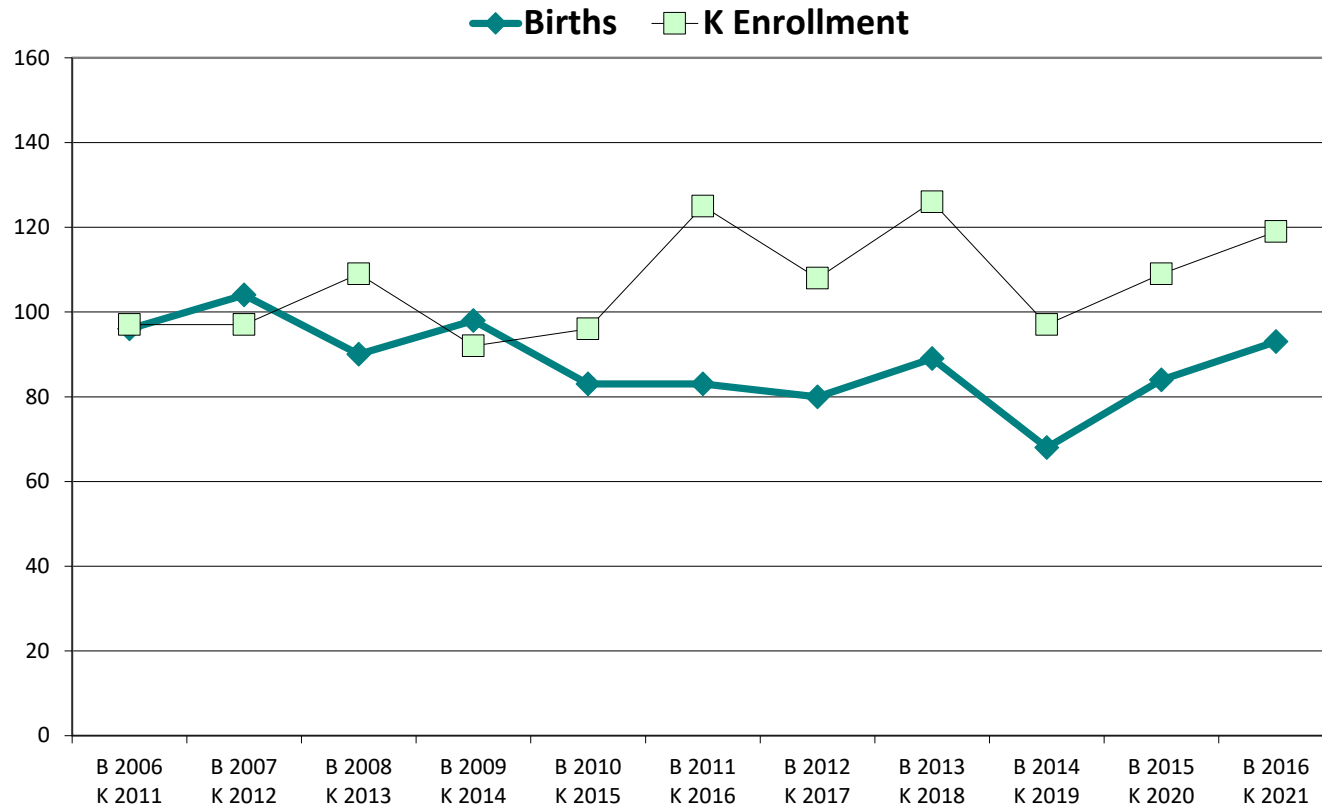




# Historical & Projected Enrollments in Grade Combinations



## Birth-to-Kindergarten Relationship



# Additional Data

Building Permits Issued (Source: HUD)		
Year	Single-Family	Multi-Units
2011	12	0
2017	6	0
2018	27	16
2019	26	2
2020	27	2
2021	0 to date	0 to date

Enrollment History*		
Year	Career-Tech 9-12 Total	Non-Public K-12 Total
2011-12	n/a	n/a
2017-18	n/a	n/a
2018-19	n/a	n/a
2019-20	n/a	n/a
2020-21	n/a	n/a
2021-22	n/a	n/a

Residents in Non-Public Independent and Parochial Schools (General Education)*														
Enrollments as of Oct. 1	K	1	2	3	4	5	6	7	8	9	10	11	12	K-12 TOTAL
	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

K-12 Home-Schooled Students*	
2021	n/a

K-12 Residents in Charter or Magnet Schools, or Choiced-out*	
2021	n/a

K-12 Special Education Outplaced Students*	
2021	n/a

K-12 Tuitioned-In, Choiced-In, & Other Non-Residents*	
2021	n/a

\*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" 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)).