



Special Education Trend Report for 2019-20

Hanover, MA

Attached is the NESDEC *Special Education Trend Report* for your school district. We appreciate your participation in the *Special Education Trend Report* and look forward to providing this information regarding your district's Special Education services in future years.

Available free of charge exclusively to NESDEC affiliates on an annual basis, the *Special Education Trend Report* is a planning and decision-making tool for Superintendents and other school district leaders. The *Report* is designed to serve as a straightforward gauge of Special Education service delivery, staffing and expenditure levels.

Tips for using the *Special Education Trend Report*:

Check for Accuracy: The *Special Education Trend Report* tables, charts and graphs are developed using data and information provided by your school district. Check to see that the data used to generate the *Special Education Trend Report* has been accurately reported to NESDEC and/or accurately transferred from the data submission form submitted by your district. If you suspect inaccuracies, please notify NESDEC immediately so we can resolve any issues. Some districts report data as of October 1; others as of December or January. The date for your district is noted on the report. Please note that the data for 2019-20 is estimated (indicated by an "e"), since at the time of the report the academic year had not, yet, been completed. This estimated data can be updated when the data submission forms for 2020-21 are sent out to districts.

Total Number of IEP's: While the total number of district IEP's may vary from year to year, large year-to-year fluctuations might warrant further investigation. Could the increase or decrease be the result of a change in programs, procedures, personnel or budget? Could the change be attributable to changes in demographics? Is the change due to an anomaly that will likely even out in the future?

Total General Education and Special Education Expenditures (excluding fringe benefits): As one might expect, depending upon the economic climate, total district expenditures can be expected to go up or down from year to year. It is not unusual for general education expenditures and special education expenditures to trend fairly closely to one another. However, if general education expenditures are flat or declining while special education expenditures are rising (or vice-versa), it might be prudent to investigate in order to be able to explain the phenomenon and estimate the long-term trend.

Special Education Expenditures as a % of Total District Expenditures: Special Education expenditures expressed as a percentage of total district expenditures can be calculated in various ways. The *Special Education Trend Report* uses district-provided data excluding fringe benefits (i.e., employee health insurance). The percent of the total expenditures attributed to special education (sometimes referred to as “Direct Special Education Costs”) can vary from state to state. In order to compare local special education expenditures to the “average” special education expenditures derived by the state, school leaders are encouraged to check with their state education agency.

Outside Special Education Placements and Collaborative Placements: Many school districts provide services for lower incidence special education students through outside placements or through collaboratives, cooperatives or consortiums. Depending upon the required level of service, the cost of both collaborative and outside placements can be many times the average cost of a general education student. It is useful to know the reason(s) behind an upward or downward trend in outside placement and/or collaborative expenditures. Collaborative placements are generally viewed as a way to offer high quality, cost-effective services to lower incidence children. On an average per pupil basis, outside placement expenditures tend to be higher than collaborative placements. If this is not borne out by your *Special Education Trend Report*, you might wish to explore the reason(s) why.

Collaborative and Outside Placement Expenditures as a % of Total Special Education Expenditures (excluding fringe benefits): The cost of collaborative and outside placements as a percent of total special education expenditures can be used to examine how the district is serving low incidence special education students. While these costs can vary widely from district to district, it may be worth exploring the possibility that some children in outside placements could receive comparable high-quality services in a less costly existing, or newly created, collaborative setting.

Number of IEP’s per Special Education Paraprofessional and/or Teacher Assistant: School districts work very hard to keep special education identified students in the least restrictive educational setting. Assigning paraprofessionals or teacher assistants to classes where students need additional help and support is a common strategy for keeping students in the “mainstream”. To what extent paraprofessionals and assistants impact special education costs is an important consideration as leaders organize special education service-delivery. The typical range for this indicator appears to be 5 to 8 IEP’s per special education paraprofessional/teacher assistant.

Collaborative/Consortium Membership

According to the information submitted to NESDEC, your school district is a member of the North River Collaborative.

Final Notes Regarding Your District’s *Special Education Trend Report*:

Your *Special Education Trend Report* is based upon October 1 information.

Your district’s *Report* is generated based upon eight data points; that is, the change over seven years.

A comments section can be found at the end of the report.

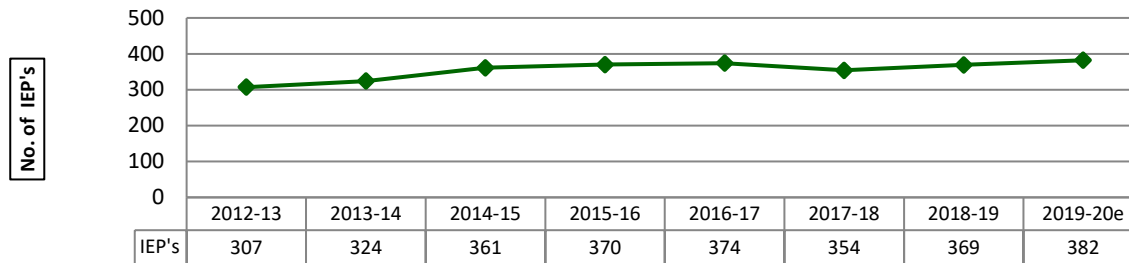
Special Education Trend Report - Hanover, MA

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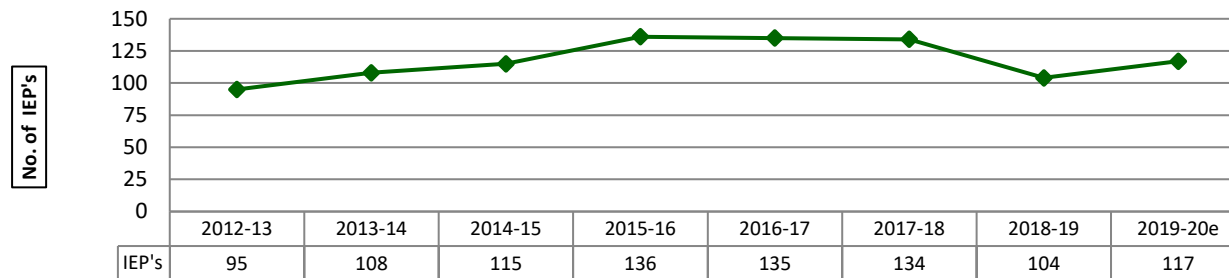
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8 data points

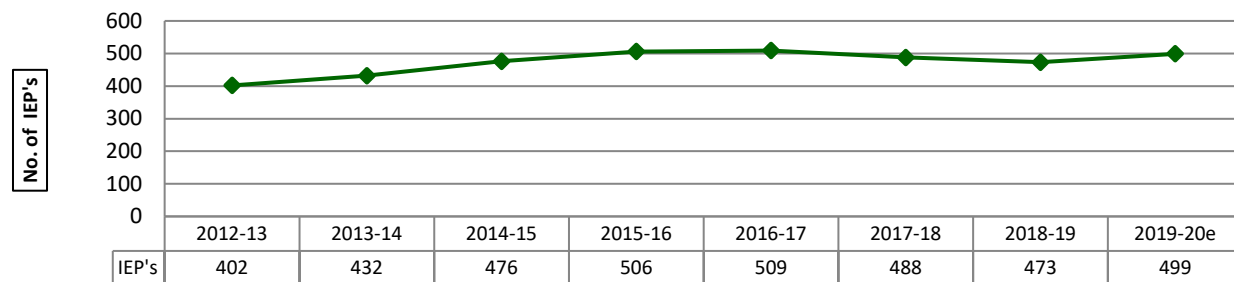
PreK-8 IEP's



9-12 IEP's

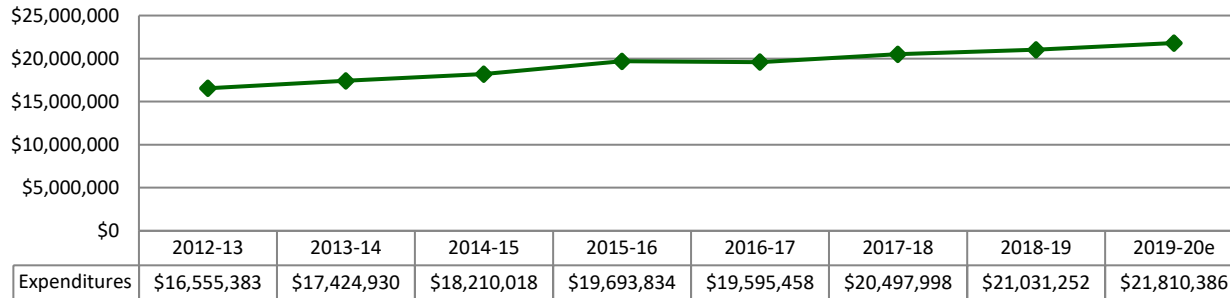


Total IEP's

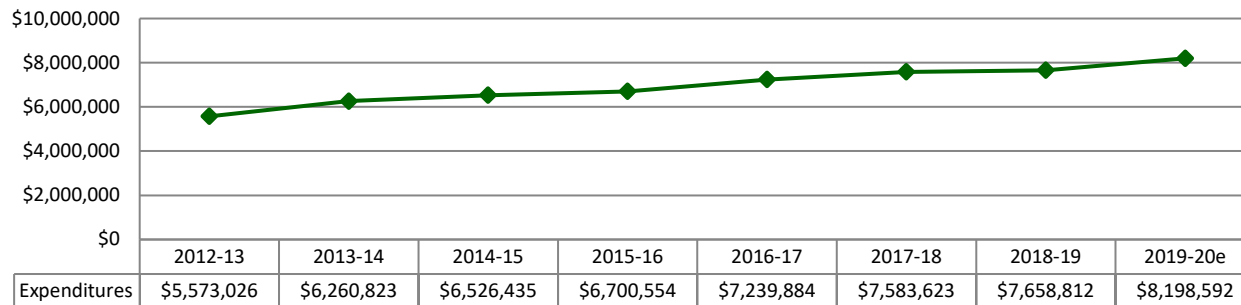


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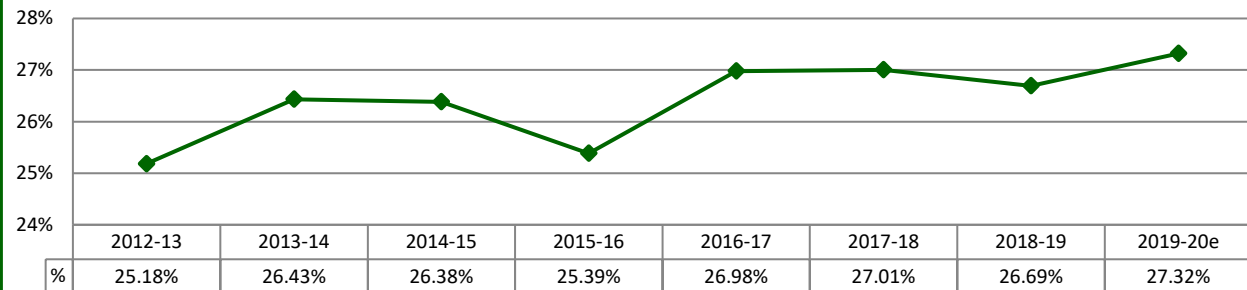
Total General Education Expenditures (excluding fringe benefits)



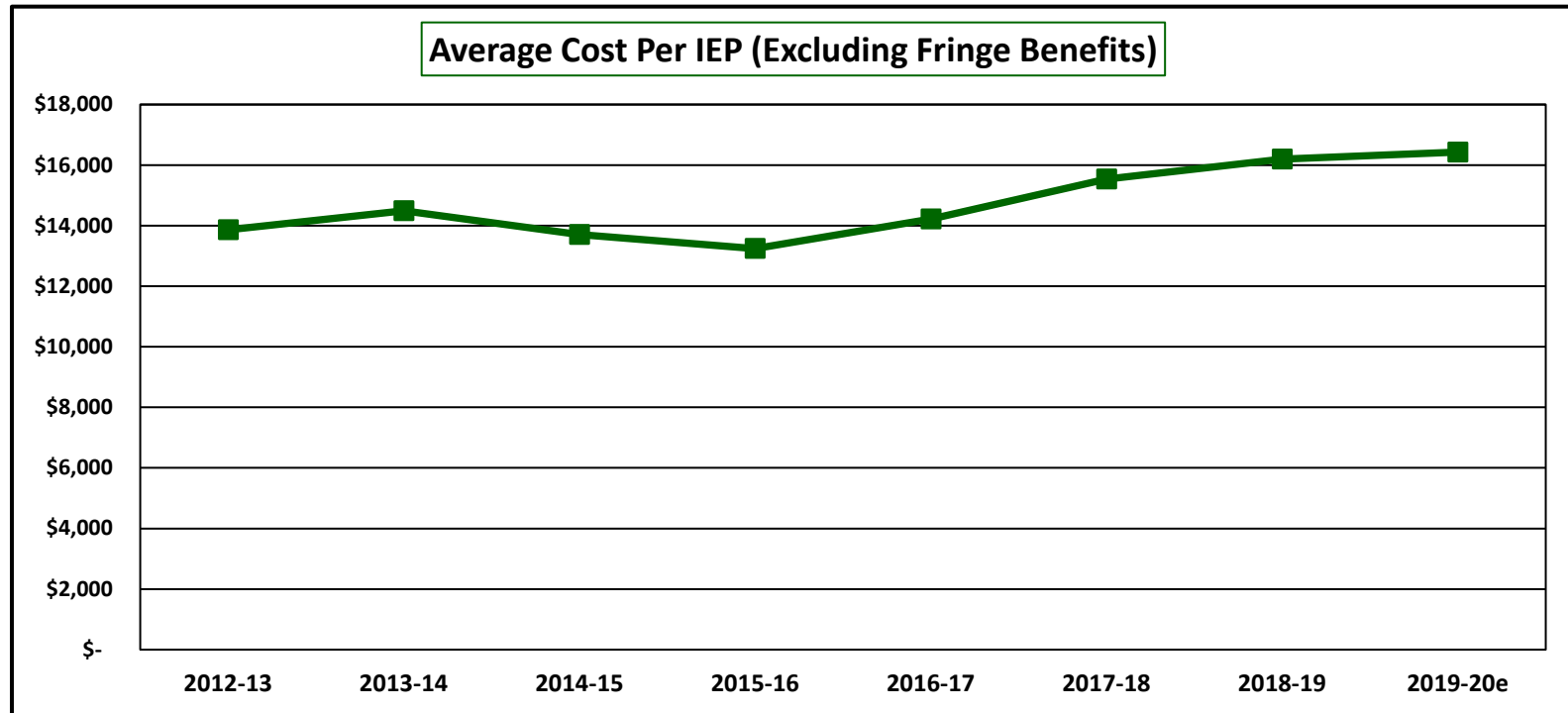
Total Special Education Expenditures (excluding fringe benefits)



Special Education Expenditures as a % of Total District Expenditures (excluding fringe benefits)



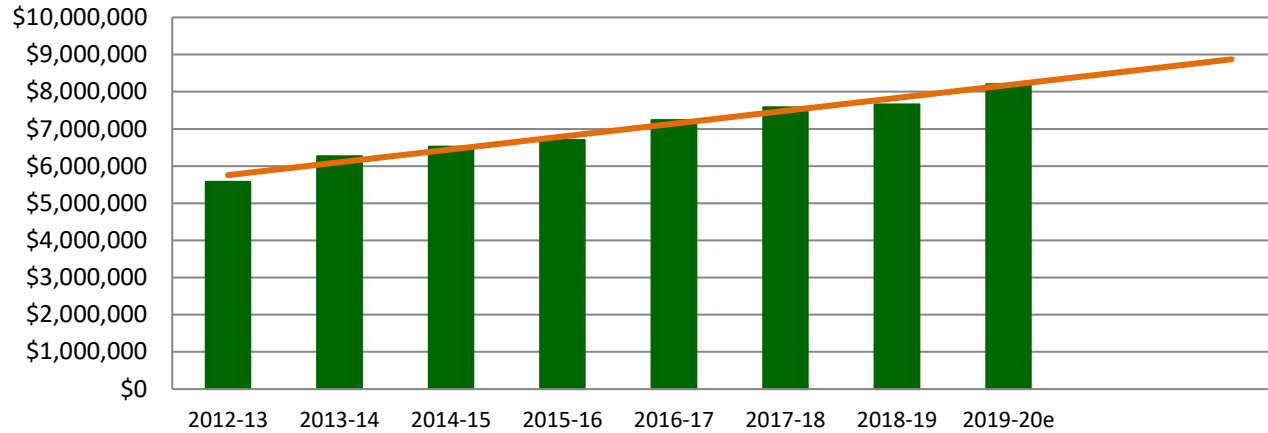
Special Education Trend Report - Hanover, MA



<u>2012-13</u>	<u>2013-14</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20e</u>
\$13,863	\$14,493	\$13,711	\$13,242	\$14,224	\$15,540	\$16,192	\$16,430

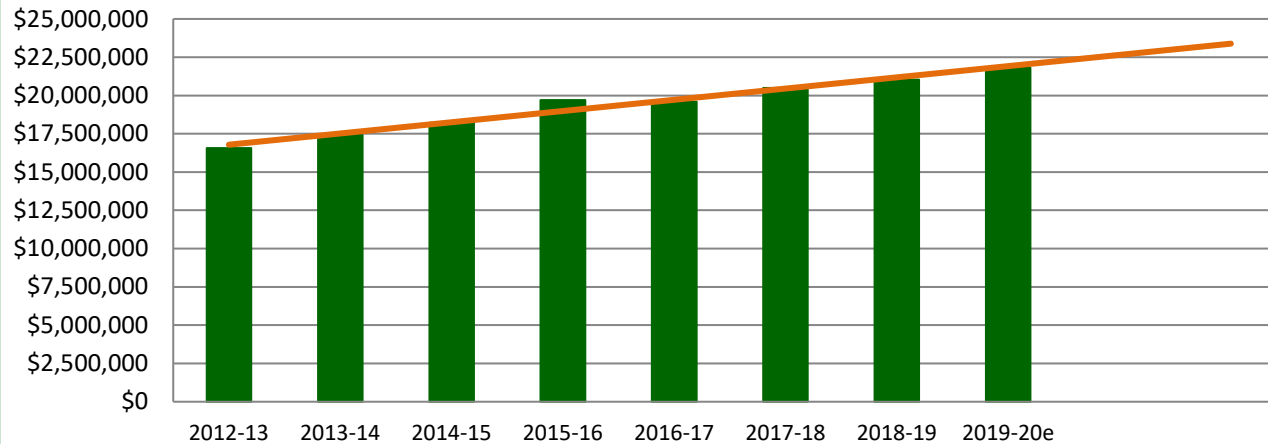
Special Education Trend Report - Hanover, MA

Total Special Education Expenditures (excluding fringe benefits) Trendline



Year	Spec Ed Exp
2012-13	\$5,573,026
2013-14	\$6,260,823
2014-15	\$6,526,435
2015-16	\$6,700,554
2016-17	\$7,239,884
2017-18	\$7,583,623
2018-19	\$7,658,812
2019-20e	\$8,198,592

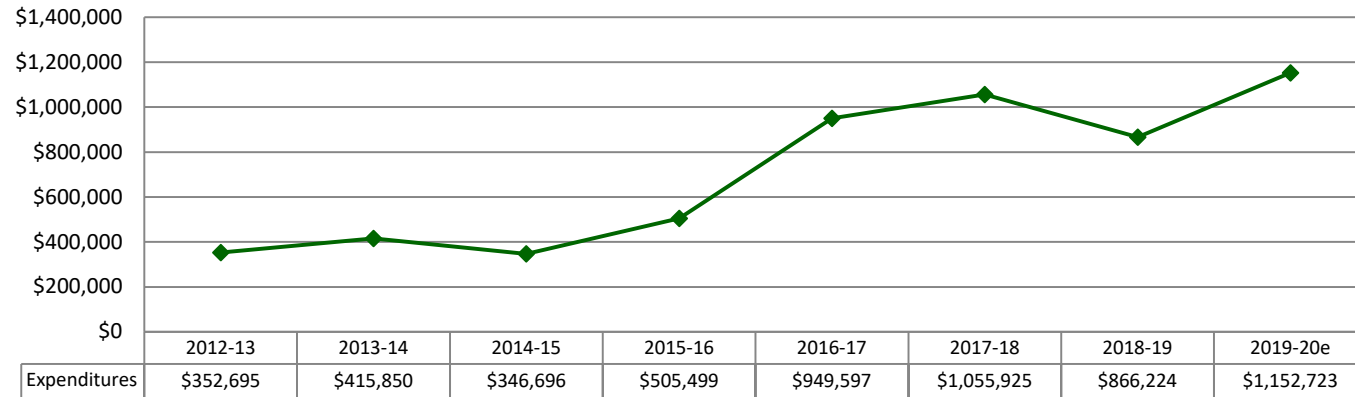
Total General Education Expenditures (excluding fringe benefits) Trendline



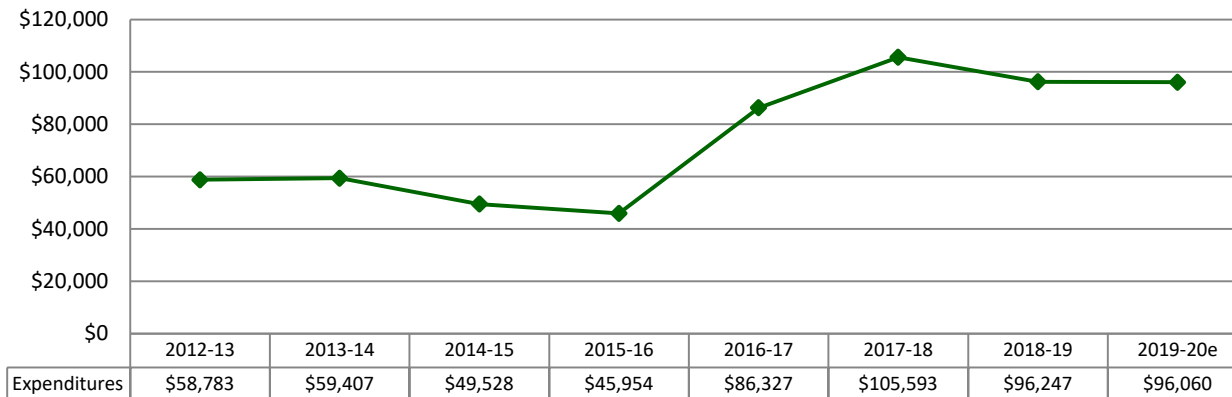
Year	Gen Ed Exp
2012-13	\$16,555,383
2013-14	\$17,424,930
2014-15	\$18,210,018
2015-16	\$19,693,834
2016-17	\$19,595,458
2017-18	\$20,497,998
2018-19	\$21,031,252
2019-20e	\$21,810,386

Special Education Trend Report - Hanover, MA

Total Outside Special Education Placement Expenditures



Expenditures Per Outside Special Education Placement

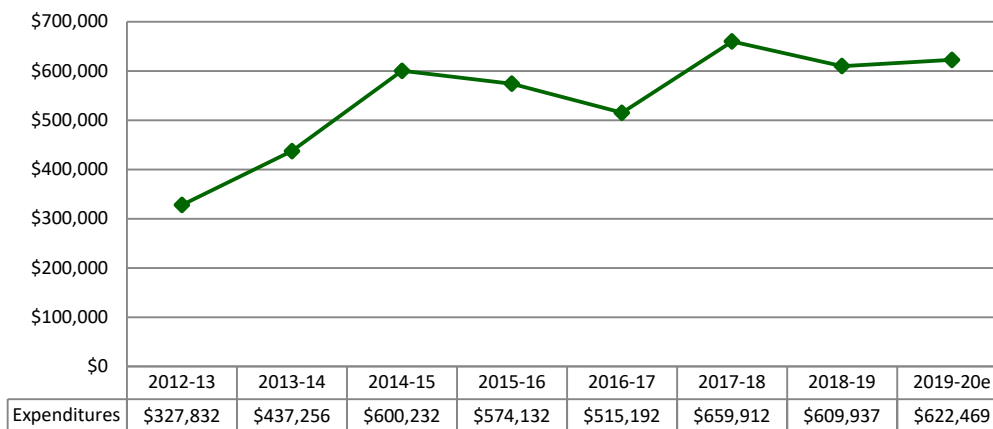


Outside Placements

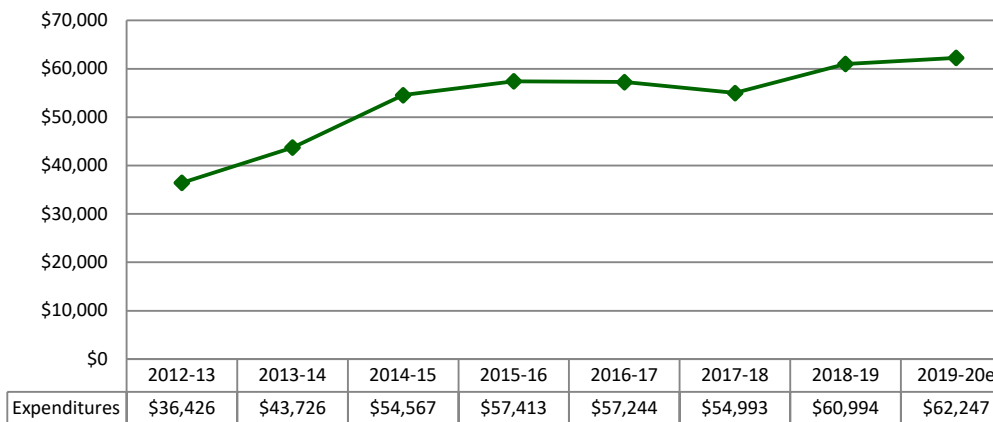
	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20e
PK-8	4	2	2	4	3	4	3	8
9-12	2	5	5	7	8	6	6	4
Total	6	7	7	11	11	10	9	12

Special Education Trend Report - Hanover, MA

Total Collaborative Expenditures



Expenditures Per Collaborative Placement

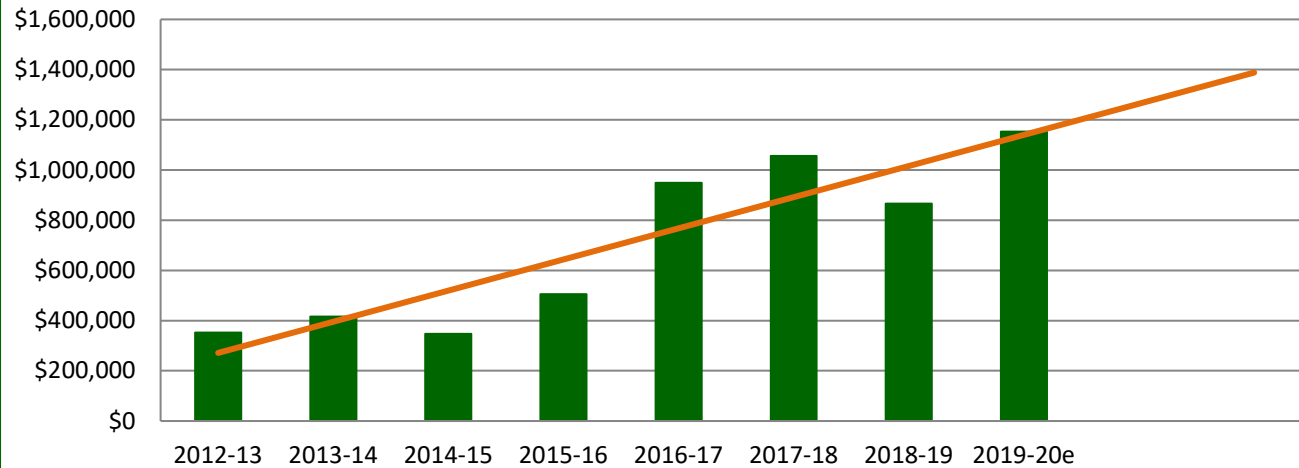


Collaborative Placements

	<u>2012-13</u>	<u>2013-14</u>	<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20e</u>
PK-8	5	5	7	6	6	7	5	5
9-12	4	5	4	4	3	5	5	5
Total	9	10	11	10	9	12	10	10

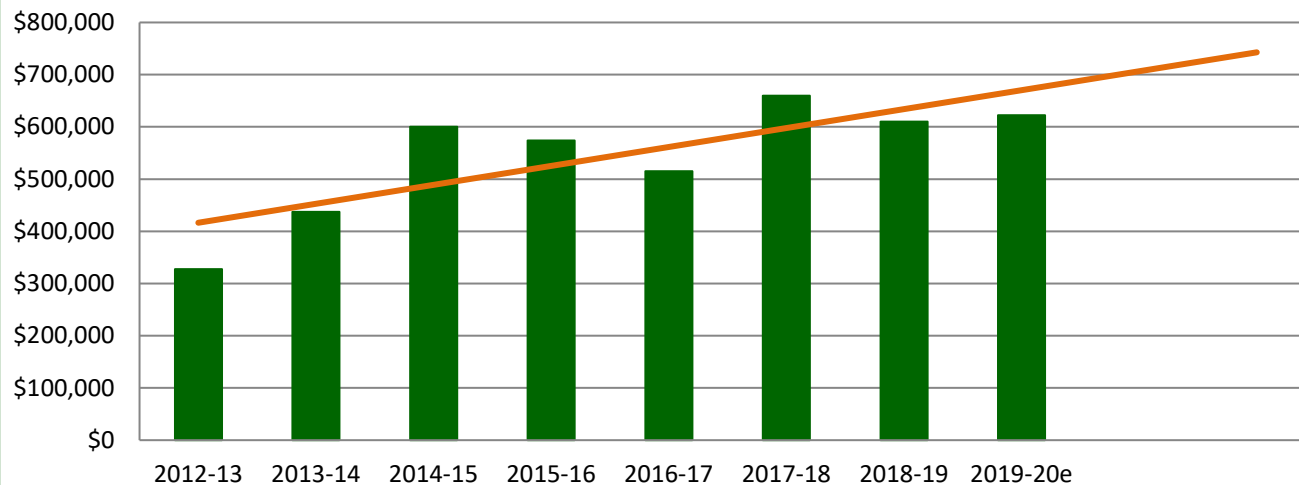
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Total Outside Special Education Placement Expenditures Trendline



Year	Out Exp
2012-13	\$352,695
2013-14	\$415,850
2014-15	\$346,696
2015-16	\$505,499
2016-17	\$949,597
2017-18	\$1,055,925
2018-19	\$866,224
2019-20e	\$1,152,723

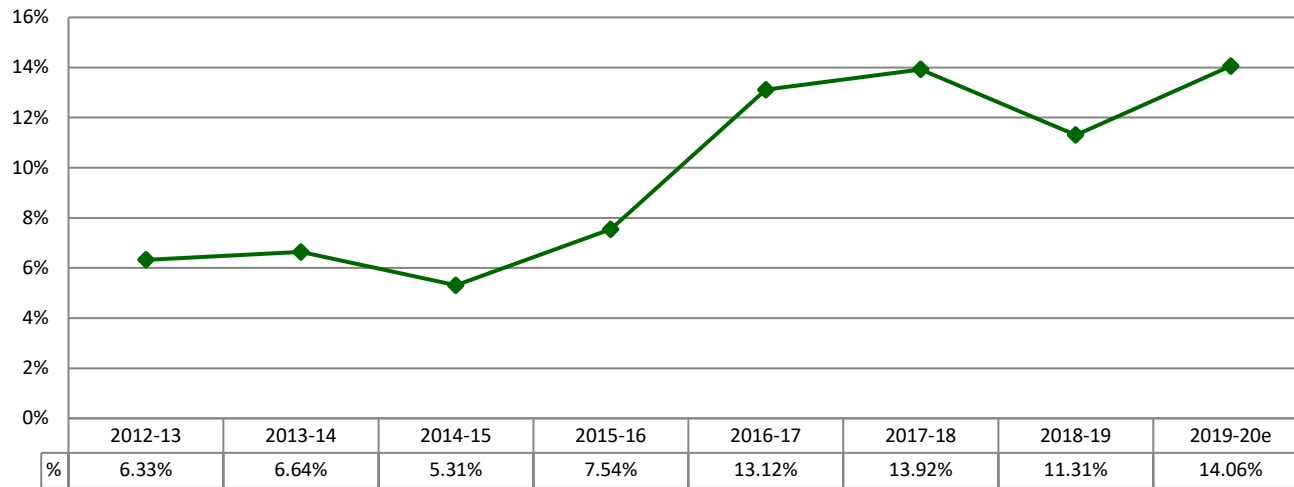
Total Collaborative Expenditures Trendline



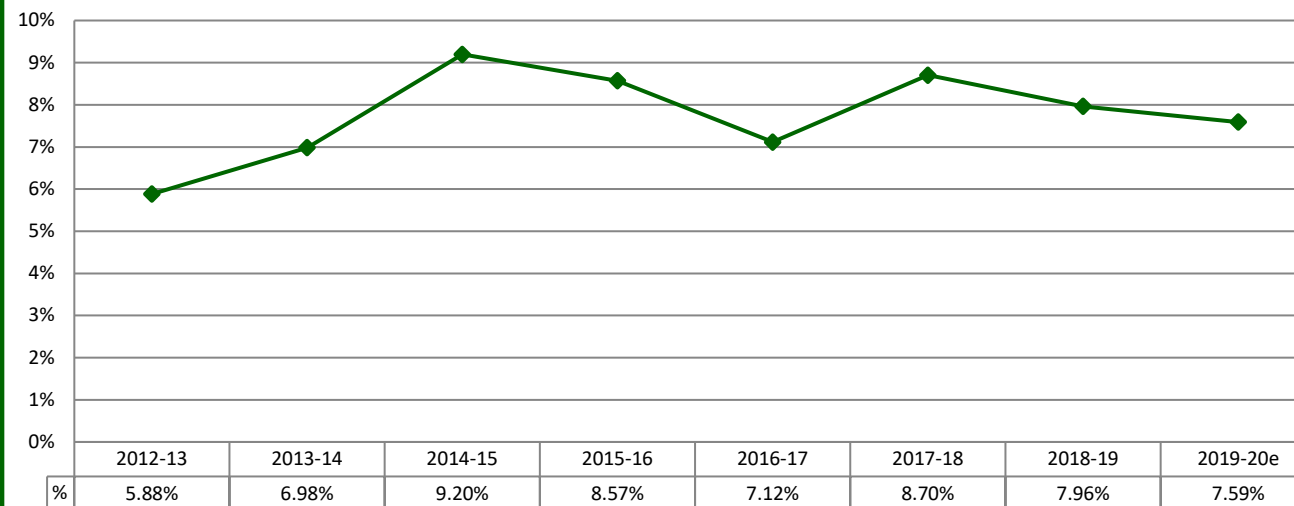
Year	Collab Exp
2012-13	\$327,832
2013-14	\$437,256
2014-15	\$600,232
2015-16	\$574,132
2016-17	\$515,192
2017-18	\$659,912
2018-19	\$609,937
2019-20e	\$622,469

Special Education Trend Report - Hanover, MA

Outside Placement Expenditures as a % of Special Education Expenditures

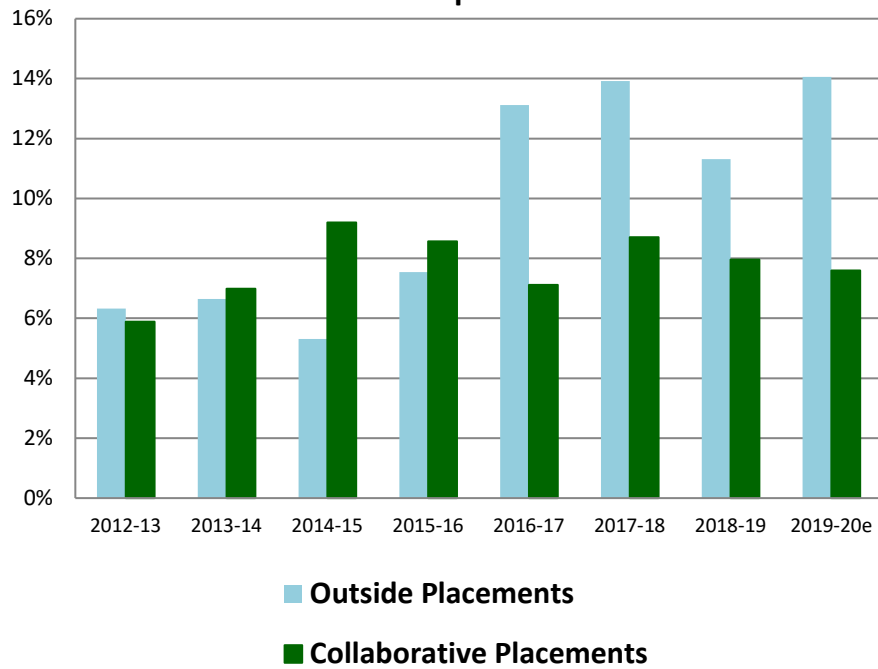


Collaborative Expenditures as a % of Special Education Expenditures



Special Education Trend Report - Hanover, MA

**Comparison of Outside and Collaborative Placements
as Percentage of Total Special Education
Expenditures**



Special Education Support Staff

Number of Special Education Para/Assistants

<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20e</u>
51.00	53.00	60.00	57.00	56.00	61.00

Number of IEP's Per Para/Assistant

<u>2014-15</u>	<u>2015-16</u>	<u>2016-17</u>	<u>2017-18</u>	<u>2018-19</u>	<u>2019-20e</u>
9.33	9.55	8.48	8.56	8.45	8.18
Typical Range = 5-8					

Special Education Trend Report - Hanover, MA

Comments Regarding Your Report: (2012-13 Base Year)

1) The district's estimated number of IEP's for the current year is:

1a) The district's average* number of IEP's over the multi-year period is:

1b) The difference between the current year's estimated number of IEP's and the multi-year average is:

499.0
469.4
29.6

2) The district's estimated expenditure level for General Education for the current year is:

2a) The district's average* annual expenditure level for General Education over the multi-year period is:

2b) The difference between the current year's estimated General Education expenditure level and the average is:

2c) The difference between the current year's estimated Gen. Ed. expenditure level and the average, expressed as a %:

\$ 21,810,386
\$ 19,001,268
\$ 2,809,118
14.78%

3) The district's estimated expenditure level for Special Education for the current year is:

3a) The district's average* annual expenditure level for Special Education over the multi-year period is:

3b) The difference between the current year's estimated Special Education expenditure level and the average is:

3c) The difference between the current year's estimated Special Ed. expenditure level and the average, expressed as a %:

\$ 8,198,592
\$ 6,791,880
\$ 1,406,712
20.71%

4) The district's estimated expenditure level for Outside Placements for the current year is:

4a) The district's average* annual expenditure level for Outside Placements over the multi-year period is:

4b) The difference between the current year's estimated Outside Placement expenditure level and the average is:

4c) The difference between the current year's estimated Out Placement expenditure level and the average, expressed as a %:

\$ 1,152,723
\$ 641,784
\$ 510,939
79.61%

***NOTE: Averages do not include current year estimates.**

Hanover, MA Historical Enrollment

School District: Hanover, MA

11/25/2019

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
2004	157	2009-10	45	181	223	196	227	221	230	240	228	235	191	160	163	156	2	2653	2698
2005	136	2010-11	49	150	201	233	208	232	223	232	233	225	199	181	163	154	2	2636	2685
2006	150	2011-12	48	195	160	205	240	205	241	226	230	242	191	199	184	165	4	2687	2735
2007	114	2012-13	36	169	205	163	209	232	208	233	223	233	198	194	201	179	3	2650	2686
2008	118	2013-14	40	157	185	213	170	214	227	207	232	219	194	194	192	195	3	2602	2642
2009	133	2014-15	51	176	167	189	221	168	214	231	198	235	191	202	203	192	3	2590	2641
2010	121	2015-16	54	184	186	172	200	216	180	213	228	200	218	188	200	207	3	2595	2649
2011	125	2016-17	65	187	184	188	172	205	219	180	209	226	179	219	192	198	2	2560	2625
2012	94	2017-18	65	154	198	189	194	178	214	223	178	216	206	183	216	193	3	2545	2610
2013	126	2018-19	71	198	171	204	194	204	180	218	220	181	194	209	183	215	3	2574	2645
2014	127	2019-20	80	198	200	169	207	195	207	185	215	224	172	191	213	190	3	2569	2649

Historical Enrollment in Grade Combinations

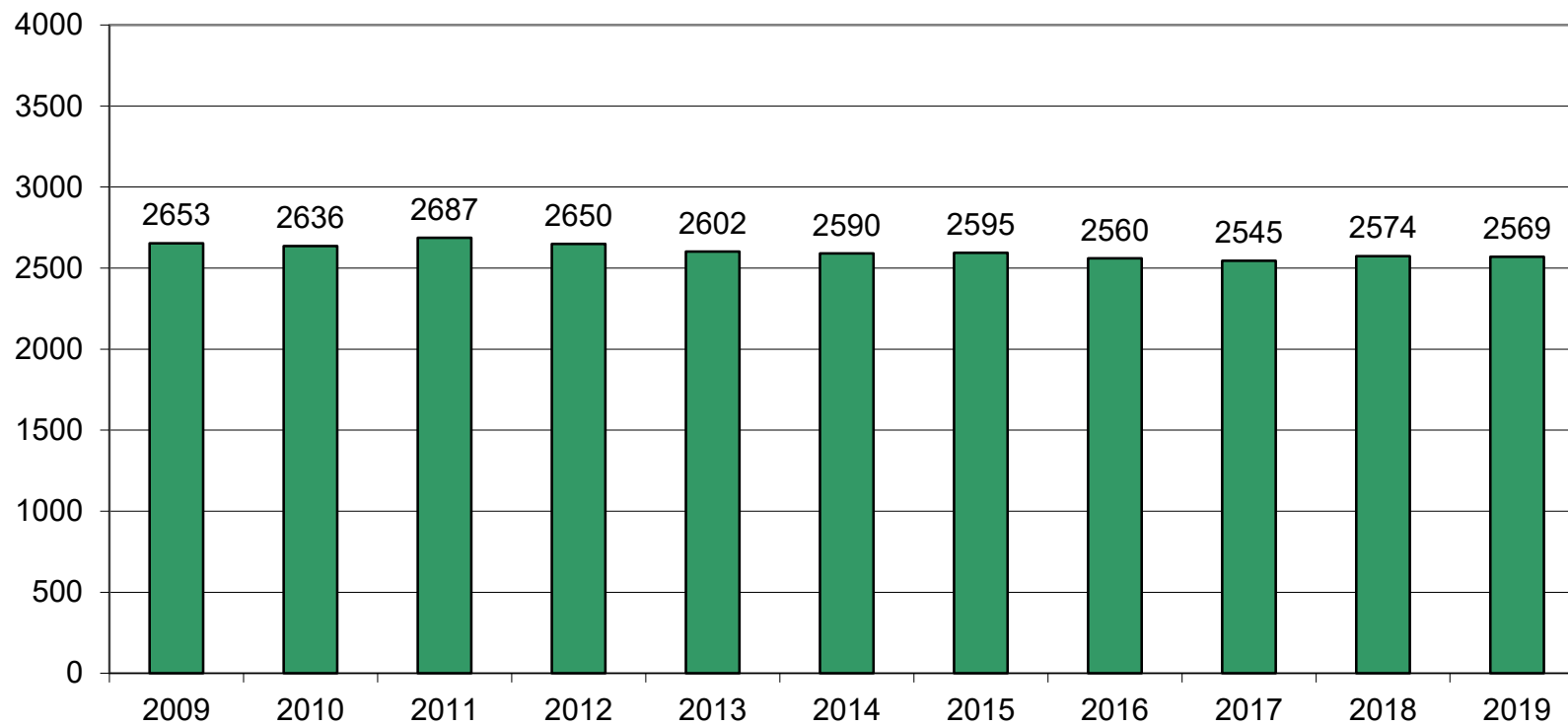
Year	PK-4	K-4	K-6	K-8	5-8	6-8	7-8	7-12	9-12
2009-10	1093	1048	1518	1981	933	703	463	1133	670
2010-11	1073	1024	1479	1937	913	690	458	1155	697
2011-12	1053	1005	1472	1944	939	698	472	1211	739
2012-13	1014	978	1419	1875	897	689	456	1228	772
2013-14	979	939	1373	1824	885	658	451	1226	775
2014-15	972	921	1366	1799	878	664	433	1221	788
2015-16	1012	958	1351	1779	821	641	428	1241	813
2016-17	1001	936	1335	1770	834	615	435	1223	788
2017-18	978	913	1350	1744	831	617	394	1192	798
2018-19	1042	971	1369	1770	799	619	401	1202	801
2019-20	1049	969	1361	1800	831	624	439	1205	766

Historical Percentage Changes

Year	K-12	Diff.	%
2009-10	2653	0	0.0%
2010-11	2636	-17	-0.6%
2011-12	2687	51	1.9%
2012-13	2650	-37	-1.4%
2013-14	2602	-48	-1.8%
2014-15	2590	-12	-0.5%
2015-16	2595	5	0.2%
2016-17	2560	-35	-1.3%
2017-18	2545	-15	-0.6%
2018-19	2574	29	1.1%
2019-20	2569	-5	-0.2%
Change	-84		-3.2%

Hanover, MA Historical Enrollment

K-12, 2009-2019



Hanover, MA Projected Enrollment

School District: Hanover, MA

11/25/2019

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
2014	127		2019-20	80	198	200	169	207	195	207	185	215	224	172	191	213	190	3	2569	2649
2015	130		2020-21	81	207	208	203	173	213	200	211	183	220	206	173	191	216	3	2607	2688
2016	125		2021-22	82	199	218	211	208	178	218	204	208	187	202	207	173	193	3	2609	2691
2017	124	(prov.)	2022-23	83	197	209	221	216	214	182	223	201	213	172	203	207	175	3	2636	2719
2018	133	(prov.)	2023-24	84	211	207	212	226	223	219	186	220	206	196	173	203	210	3	2695	2779
2019	128	(est.)	2024-25	85	203	222	210	217	233	228	224	184	225	190	197	173	206	3	2715	2800
2020	128	(est.)	2025-26	86	203	214	225	215	224	238	233	221	188	207	191	197	175	3	2734	2820
2021	128	(est.)	2026-27	87	203	214	217	230	222	229	243	230	226	173	208	191	200	3	2789	2876
2022	128	(est.)	2027-28	88	204	214	217	222	237	227	234	240	235	208	174	208	193	3	2816	2904
2023	129	(est.)	2028-29	89	205	215	217	222	229	243	232	231	245	216	209	174	211	3	2852	2941
2024	128	(est.)	2029-30	90	204	216	218	222	229	234	248	229	236	225	218	209	176	3	2867	2957

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

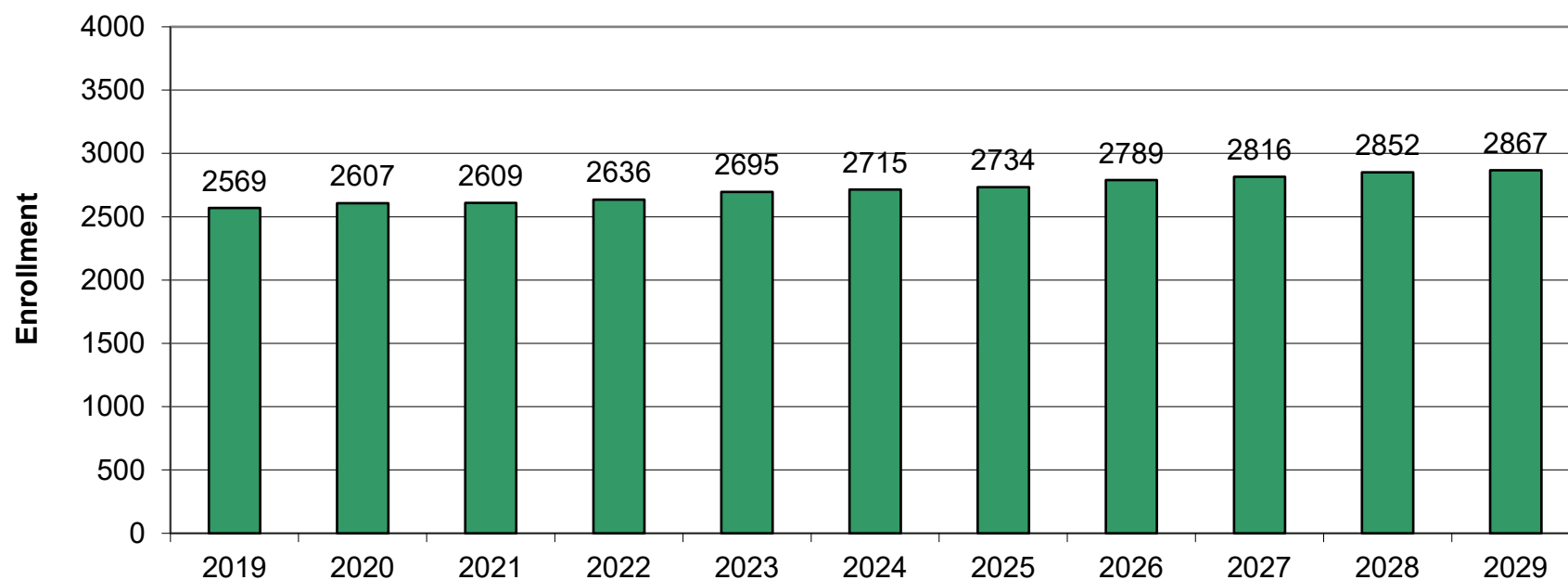
Projected Enrollment in Grade Combinations*									
Year	PK-4	K-4	K-6	K-8	5-8	6-8	7-8	7-12	9-12
2019-20	1049	969	1361	1800	831	624	439	1205	766
2020-21	1085	1004	1415	1818	814	614	403	1189	786
2021-22	1096	1014	1436	1831	817	599	395	1170	775
2022-23	1140	1057	1462	1876	819	637	414	1171	757
2023-24	1163	1079	1484	1910	831	612	426	1208	782
2024-25	1170	1085	1537	1946	861	633	409	1175	766
2025-26	1167	1081	1552	1961	880	642	409	1179	770
2026-27	1173	1086	1558	2014	928	699	456	1228	772
2027-28	1182	1094	1555	2030	936	709	475	1258	783
2028-29	1177	1088	1563	2039	951	708	476	1286	810
2029-30	1179	1089	1571	2036	947	713	465	1293	828

Projected Percentage Changes			
Year	K-12	Diff.	%
2019-20	2569	0	0.0%
2020-21	2607	38	1.5%
2021-22	2609	2	0.1%
2022-23	2636	27	1.0%
2023-24	2695	59	2.2%
2024-25	2715	20	0.7%
2025-26	2734	19	0.7%
2026-27	2789	55	2.0%
2027-28	2816	27	1.0%
2028-29	2852	36	1.3%
2029-30	2867	15	0.5%
Change	298		11.6%

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

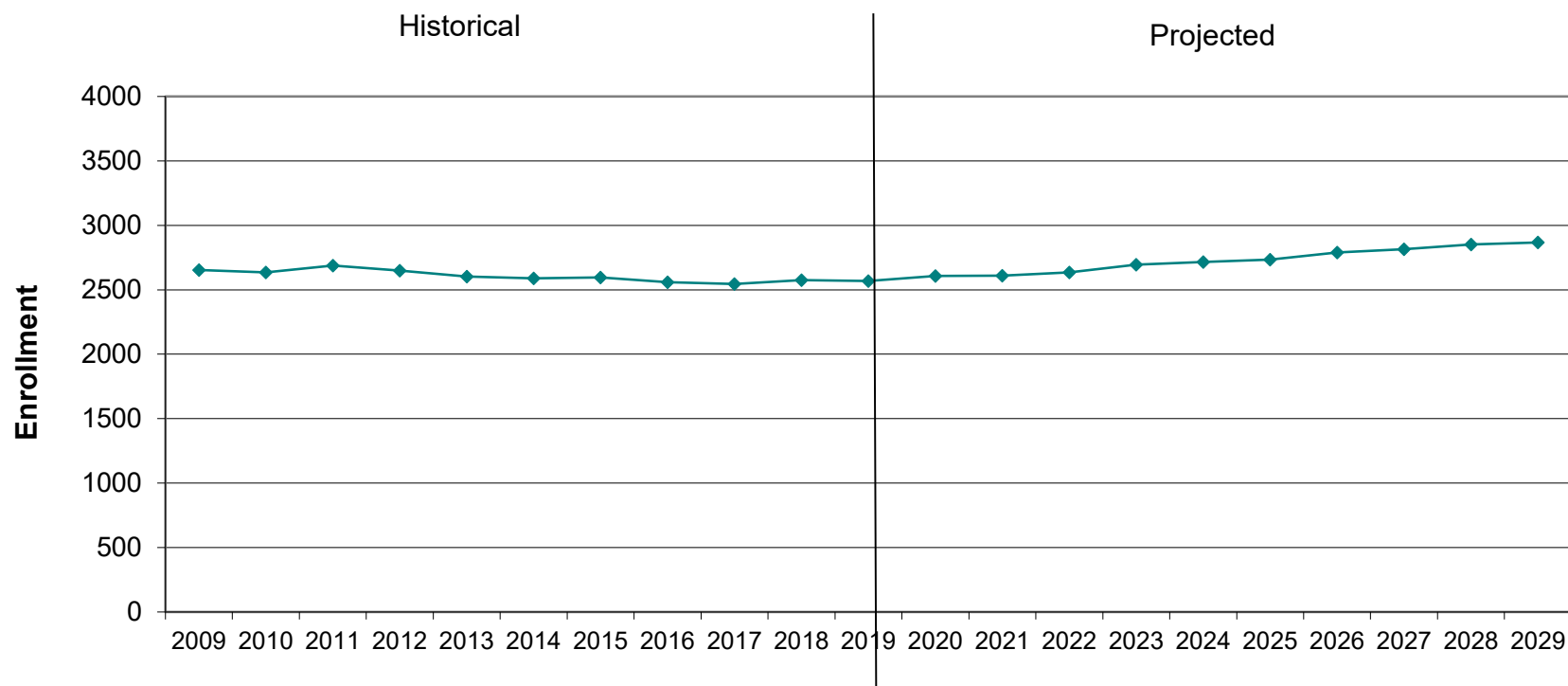
Hanover, MA Projected Enrollment

K-12 To 2029 Based On Data Through School Year 2019-20

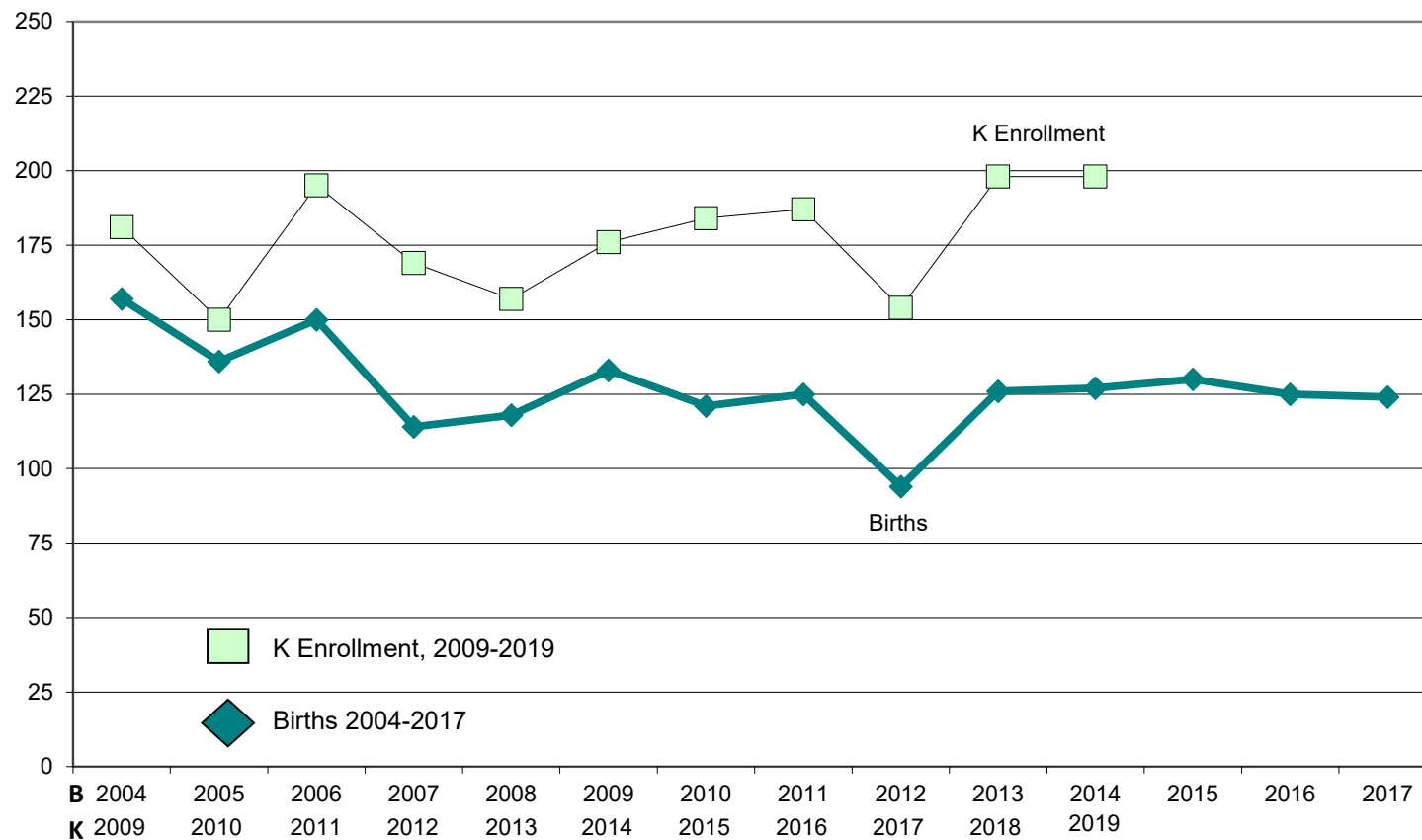


Hanover, MA Historical & Projected Enrollment

K-12, 2009-2029



Hanover, MA Birth-to-Kindergarten Relationship





Hanover, MA Additional Data

Building Permits Issued		
Year	Single-Family	Multi-Units
2005	56	0
2015	10	0
2016	15	0
2017	24	0
2018	21	0
2019	20 to date	0 to date

Source: HUD and Building Department

Enrollment History		
Year	Career-Tech 9-12 Total	Non-Public K-12 Total
2006-07	44	228
2015-16	46	n/a
2016-17	51	n/a
2017-18	45	105
2018-19	44	n/a
2019-20	45	131

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
	3	1	3	3	4	6	4	8	8	25	25	26	15	131

K-12 Home-Schooled Students	
2019	17

K-12 Residents in Charter or Magnet Schools, or "Choiced-out"	
2019	45

K-12 Special Education Outplaced Students	
2019	22

K-12 Tuitioned-In, Choiced-In, & Other Non- Residents	
2019	0

The above data were used to assist in the preparation of the enrollment projections. If additional demographic work is needed, please contact our office.