

MILTON, MASSACHUSETTS

Demography and Enrollment

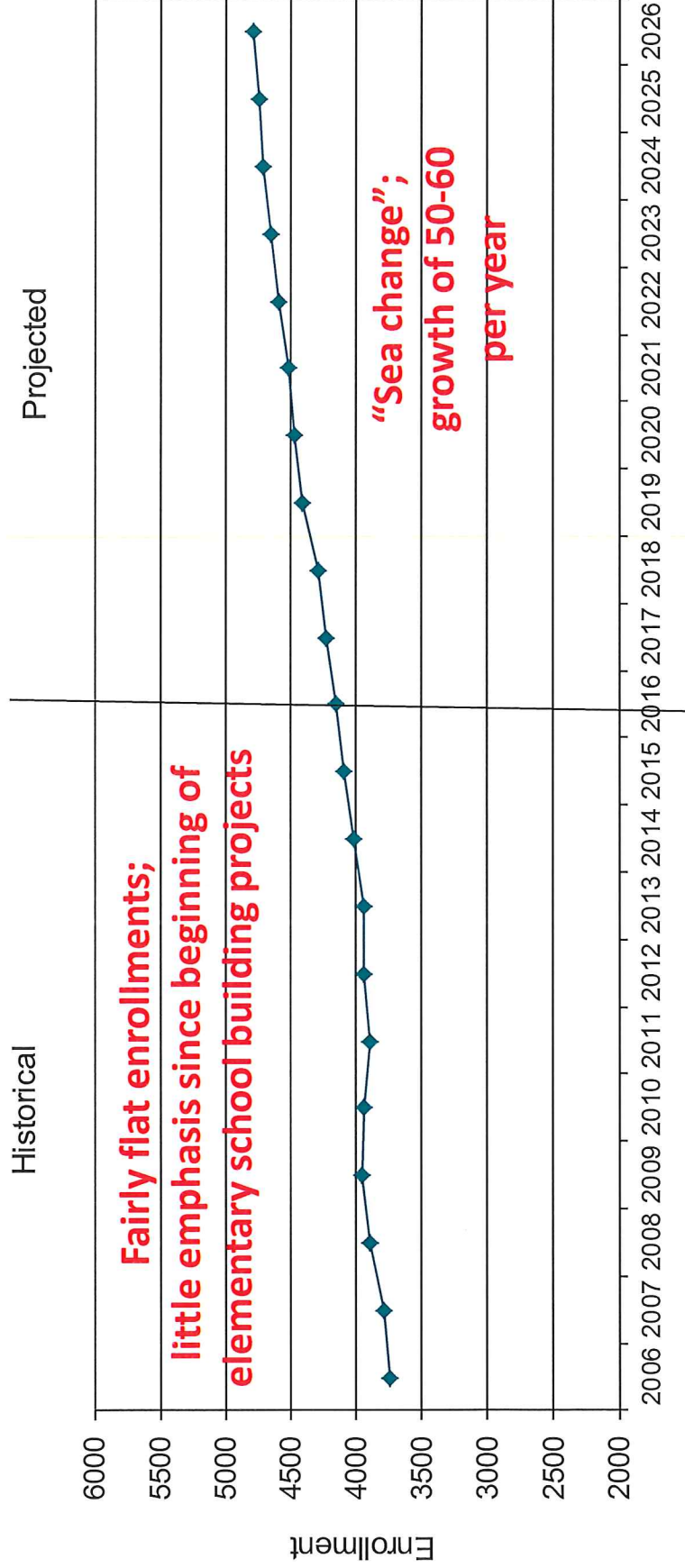
Projections

Donald G. Kennedy, Ed. D.

January 18, 2017

THE BOTTOM LINE

PK-12, 2006-2026

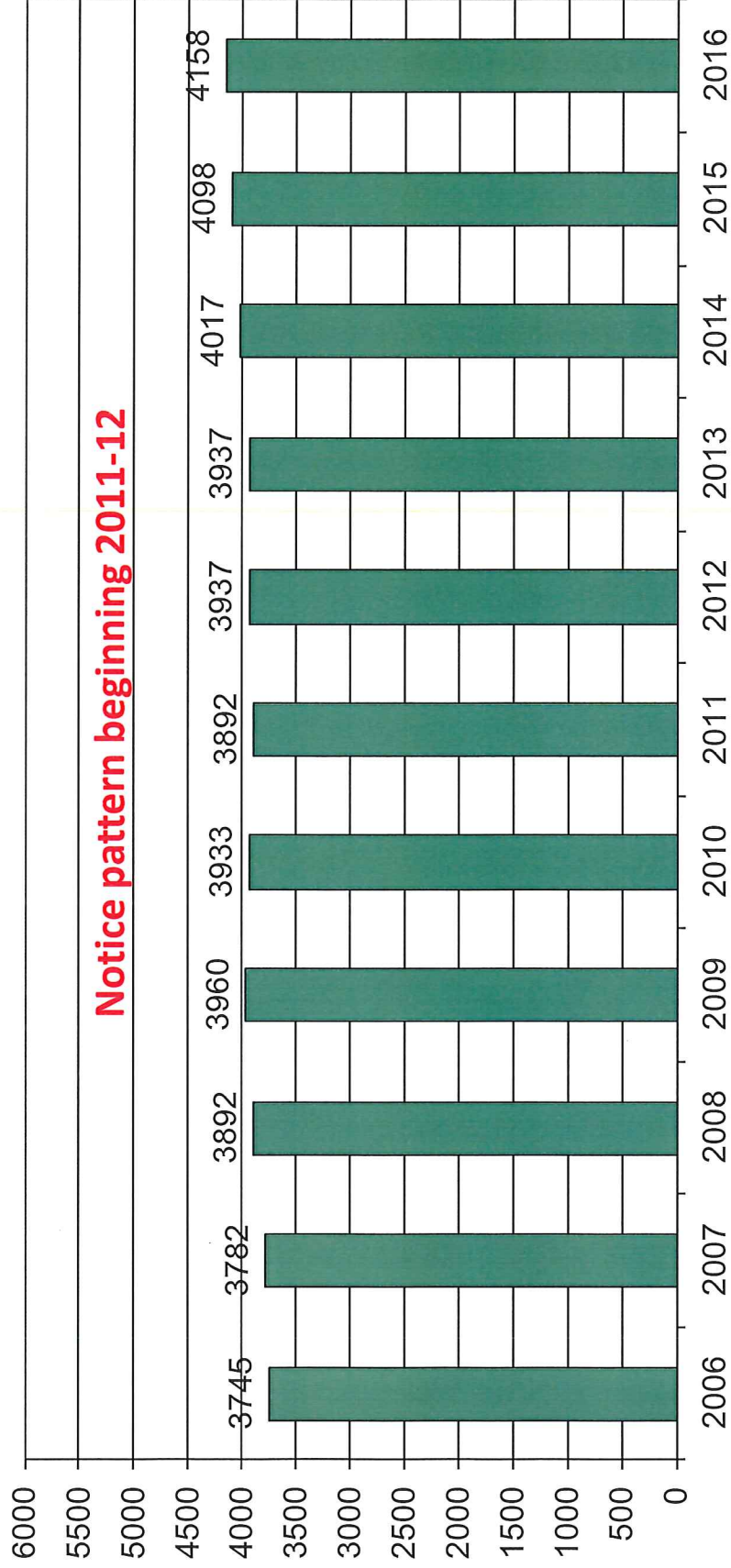




- **What does the data reveal?**
- **How do we know we are seeing trends, and not a one-time event ?**
- **What is the strength of our conclusions?**

Milton, MA Historical Enrollment

PK-12, 2006-2016



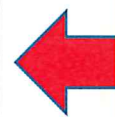
School District:

Milton, MA

1/12/2017

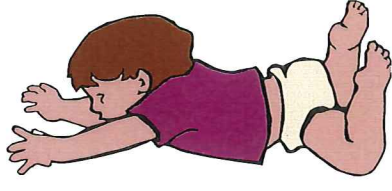
Historical Enrollment By Grade																			
Birth Year	Births	School Year	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	UNGR	K-12	PK-12
2001	340	2006-07	115	247	312	279	280	273	310	298	290	289	296	261	252	243	0	3630	3745
2002	318	2007-08	139	249	300	324	292	290	279	296	293	278	246	288	259	249	0	3643	3782
2003	291	2008-09	141	300	288	305	330	326	276	284	281	290	262	260	294	255	0	3751	3892
2004	331	2009-10	112	337	330	290	312	336	300	303	279	279	278	258	275	271	0	3848	3960
2005	314	2010-11	103	314	359	325	295	315	341	289	284	277	242	275	252	262	0	3830	3933
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

Historical Enrollment in Grade Combinations										
Year	PK-5	K-5	K-6	K-8	5-8	6-8	7-8	7-12	9-12	
2006-07	1816	1701	1999	2578	1187	877	579	1631	1052	
2007-08	1873	1734	2030	2601	1146	867	571	1613	1042	
2008-09	1966	1825	2109	2680	1131	855	571	1642	1071	
2009-10	2017	1905	2208	2766	1161	861	558	1640	1082	
2010-11	2052	1949	2238	2799	1191	850	561	1592	1031	
2011-12	2028	1929	2252	2786	1168	857	534	1541	1007	
2012-13	2065	1964	2285	2861	1192	897	576	1551	975	
2013-14	2076	1985	2296	2895	1243	910	599	1549	950	
2014-15	2124	2040	2377	2956	1260	916	579	1550	971	
2015-16	2196	2071	2399	2972	1244	901	573	1568	995	
2016-17	2254	2115	2444	3032	1255	917	588	1570	982	



Historical Percentage Changes			
Year	K-12	Diff.	%
2006-07	3630	0	0.0%
2007-08	3643	13	0.4%
2008-09	3751	108	3.0%
2009-10	3848	97	2.6%
2010-11	3830	-18	-0.5%
2011-12	3793	-37	-1.0%
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%
Change	389		10.7%

RECENT ELEMENTARY TIMELINE



- Summer 2002 to Summer 2007 Elementary School Building ProjectStudents often in “Swing Space” thereby causing some families to opt for non-public schools
- 2007-08 Full-Day Kindergarten piloted at Tucker School
- 2008-09 Full-Day Kindergarten implemented at all Elementary Schools
- 2012-13 Grade 1 French-Immersion Lottery began in Spring 2013
- 2013-14 second Grade 1 Lottery Parents realized that being in the Milton Public Kindergarten gave them preference in lottery
- 2016-17 Tuition-Free Full-Day Kindergarten

Milton, MA Projected Enrollment

School District: **Milton, MA**

1/12/2017

Note: Kindergarten is now a full-day program, thus a higher percentage of five-year-olds students enter the MPS for their Kindergarten year v. the prior practice of entering in Grade 1.

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
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	139	385	373	346	371	353	362	330	296	282	258	240	240	252	5	4093	4232
2013	289	2018-19	140	381	393	383	346	373	362	353	297	289	244	258	240	230	5	4154	4294
2014	324	2019-20	140	416	389	404	383	348	382	353	318	290	250	244	258	230	5	4270	4410
2015	262	(prov.)	141	354	425	400	404	385	356	372	318	310	251	250	244	247	5	4321	4462
2016	283	(est.)	141	375	362	437	400	406	394	347	335	310	268	251	250	234	5	4374	4515
2017	290	(est.)	142	382	383	372	437	402	416	384	312	327	268	268	251	240	5	4447	4589
2018	290	(est.)	142	382	390	394	372	440	412	406	346	304	283	268	268	241	5	4511	4653
2019	290	(est.)	143	382	390	401	394	374	451	402	365	338	293	283	268	257	5	4573	4716
2020	283	(est.)	143	375	390	401	401	396	383	440	362	356	292	263	283	257	5	4604	4747
2021	287	(est.)	144	379	383	401	401	403	406	373	396	353	308	292	263	271	5	4634	4778

*Projections should be updated on an annual basis in order to reflect changes in births, real estate sales, in/out-migration of families, and housing construction.

Based on an estimate of births

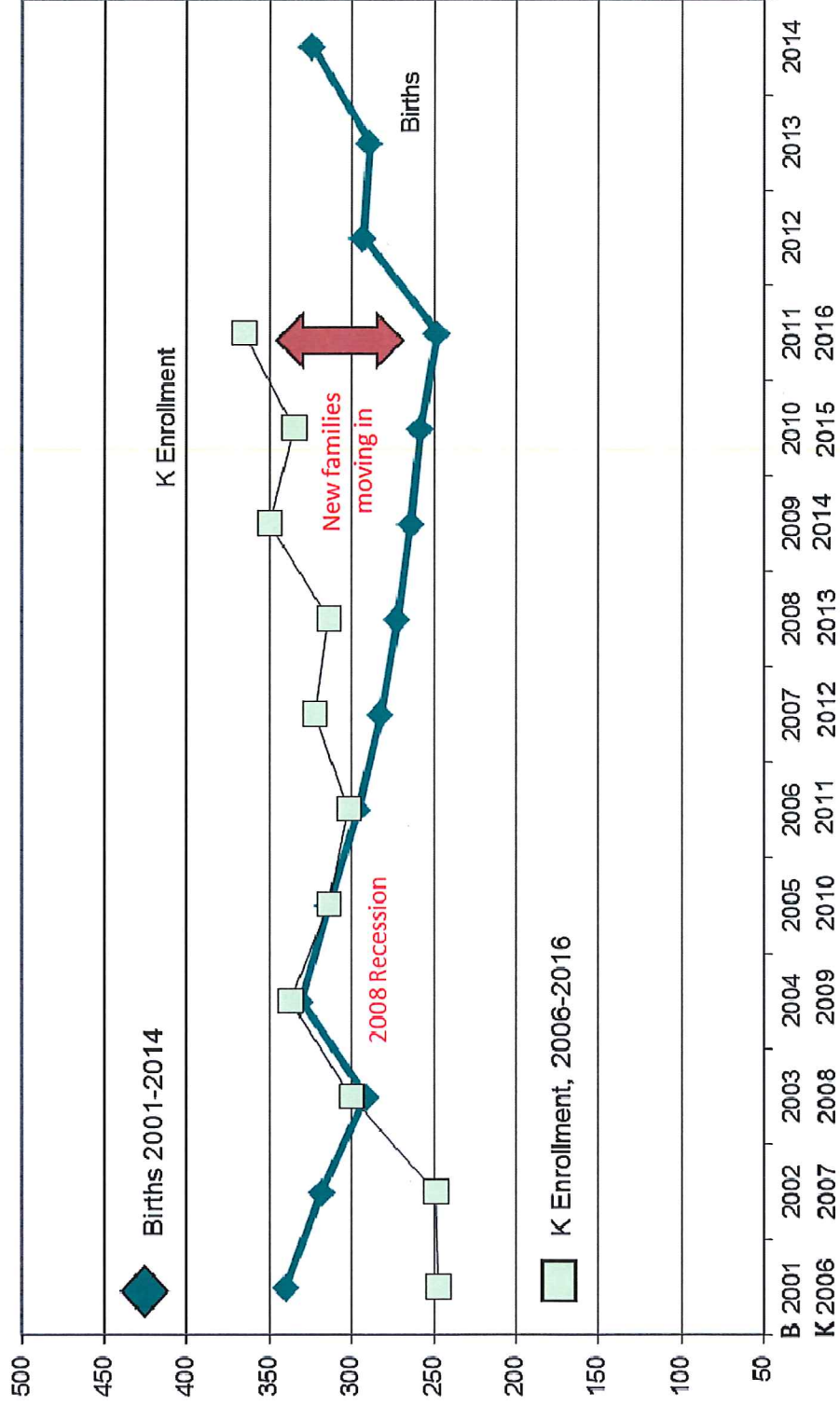
Based on children already born

Based on students already enrolled

Projected Enrollment in Grade Combinations*									
Year	PK-5	K-5	K-6	K-8	5-8	6-8	7-8	7-12	9-12
2016-17	2254	2115	2444	3032	1255	917	588	1570	982
2017-18	2329	2190	2520	3098	1270	908	578	1568	990
2018-19	2378	2238	2591	3177	1301	939	586	1558	972
2019-20	2462	2322	2675	3283	1343	961	608	1590	982
2020-21	2465	2324	2696	3324	1356	1000	628	1620	992
2021-22	2515	2374	2721	3366	1386	992	645	1648	1003
2022-23	2534	2392	2776	3415	1439	1023	639	1666	1027
2023-24	2532	2390	2796	3446	1468	1056	650	1710	1060
2024-25	2535	2392	2794	3497	1566	1105	703	1774	1071
2025-26	2489	2346	2786	3504	1541	1158	718	1813	1095
2026-27	2517	2373	2746	3495	1528	1122	749	1863	1134

Projected Percentage Changes		
Year	K-12	%
2016-17	4019	0.0%
2017-18	4093	1.8%
2018-19	4154	1.5%
2019-20	4270	2.8%
2020-21	4321	1.2%
2021-22	4374	1.2%
2022-23	4447	1.7%
2023-24	4511	1.4%
2024-25	4573	1.4%
2025-26	4604	0.7%
2026-27	4634	0.7%
Change	615	15.3%

Milton, MA Birth-to-Kindergarten Relationship



39 YEARS OF MILTON'S BIRTH-TO-KINDERGARTEN EXPERIENCE AND PROJECTION

Birth Year	Milton Births	Kindergarten Year	# in Kind.	Net move-in/out	Birth-K Ratio	Birth Year	Milton Births	Kindergarten Year	# in Kind.	Net move-in/out	Birth-K Ratio
1973	195	1978-79	222	27	1.14	1993	289	1998-99	241	-48	0.83
1974	207	1979-80	238	31	1.15	1994	281	1999-00	254	-27	0.90
1975	199	1980-81	204	5	1.03	1995	275	2000-01	247	-28	0.90
1976	178	1981-82	206	28	1.16	1996	311	2001-02	258	-53	0.83
1977	187	1982-83	213	26	1.14	1997	332	2002-03	210	-122	0.63
1978	216	1983-84	253	37	1.17	1998	317	2003-04	238	-79	0.75
1979	213	1984-85	251	38	1.18	1999	325	2004-05	217	-108	0.67
1980	228	1985-86	255	27	1.12	2000	312	2005-06	242	-70	0.78
1981	220	1986-87	274	54	1.25	2001	340	2006-07	247	-93	0.73
1982	244	1987-88	265	21	1.09	2002	318	2007-08	249	-69	0.78
1983	257	1988-89	302	45	1.18	2003	291	2008-09	300	9	1.03
1984	303	1989-90	319	16	1.05	2004	331	2009-10	337	6	1.02
1985	357	1990-91	391	34	1.10	2005	314	2010-11	314	0	1.00
1986	306	1991-92	304	-2	0.99	2006	296	2011-12	302	6	1.02
1987	323	1992-93	290	-33	0.90	2007	282	2012-13	323	41	1.15
1988	303	1993-94	299	-4	0.99	2008	272	2013-14	314	42	1.15
1989	300	1994-95	279	-21	0.93	2009	264	2014-15	350	86	1.33
1990	319	1995-96	343	24	1.08	2010	258	2015-16	335	77	1.30
1991	290	1996-97	279	-11	0.96	2011	248	2016-17	340	92	1.37
1992	280	1997-98	310	30	1.11	2012	293	2017-18	385	92	1.31
											PROJECTED

School years with 30 or more "net move-ins" are noted in red

Milton, MA Additional Data

Building Permits Issued		
Year	Single-Family	Multi-Units
2005	24	0
2012	5	0
2013	5	0
2014	7	0
2015	5	0
2016	22 to Nov 30	0

Source: HUD and Building Department

Year	Enrollment History	
	Voc-Tech 9-12 Total	Non-Public K-12 Total
2005-06	40	1140
2012-13	48	1046
2013-14	46	1013
2014-15	50	1021
2015-16	51	1011
2016-17	49	n/a

Residents in Non-Public Independent and Parochial Schools (General Education)														
Enrollments Jan. 1, 2016	K	1	2	3	4	5	6	7	8	9	10	11	12	K-12 TOTAL
	37	25	46	31	44	45	65	65	107	115	136	130	103	127

K-12 Home-Schooled Students	
2016	4

K-12 Residents "Choiced-out" or in Charter or Magnet Schools	
2016	5

K-12 Special Education Outplaced Students	
2016	49

K-12 Choiced-In, Tuitioned-In, & Other Non-Residents	
2016	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.



Milton, MA Historical Non-Public Enrollment

School District: **15Milton, MA non-public enrollment**

12/27/2016

Source: "School Attending Children Report" to DESE as of January 1; "% Non-Public Enrollment" is Non-Public/Grand total of Non-public + MPS

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
2000	312	2005-06	0	60	74	64	51	61	51	67	80	86	124	138	113	162	0	1131	1131
2001	340	2006-07	0	94	80	74	65	53	66	64	89	82	118	110	125	113	0	1133	1133
2002	318	2007-08	0	92	82	72	64	71	54	70	63	89	108	119	109	121	0	1114	1114
2003	291	2008-09	0	76	72	78	59	54	64	52	58	74	113	113	111	105	0	1057	1057
2004	331	2009-10	0	50	68	78	81	67	64	58	58	74	110	106	105	110	0	1029	1029
2005	314	2010-11	0	52	55	68	77	82	76	64	93	68	125	104	104	104	0	1072	1072
2006	296	2011-12	0	48	46	56	66	78	80	78	93	103	85	114	95	104	0	1046	1046
2007	282	2012-13	0	47	46	50	62	74	84	71	92	87	120	88	110	82	0	1013	1013
2008	272	2013-14	0	59	36	42	46	57	68	72	104	100	109	128	83	117	0	1021	1021
2009	264	2014-15	0	47	45	35	44	49	56	74	111	110	139	114	125	100	0	1049	1049
2010	258	2015-16	0	37	25	46	31	44	45	65	107	115	136	130	106	127	0	1014	1014

Historical Enrollment in Grade Combinations									
Year	K-4	K-5	K-6	K-8	5-8	6-8	7-8	7-12	9-12
2005-06	310	361	428	594	284	233	166	703	537
2006-07	366	432	496	667	301	235	171	637	466
2007-08	381	435	505	657	276	222	152	609	457
2008-09	339	403	455	615	276	212	160	602	442
2009-10	344	408	466	598	254	190	132	563	431
2010-11	334	410	474	635	301	225	161	598	437
2011-12	294	374	452	648	354	274	196	594	398
2012-13	279	363	434	613	334	250	179	579	400
2013-14	240	308	380	584	344	276	204	641	437
2014-15	220	276	350	571	351	295	221	699	478
2015-16	183	228	293	515	332	287	222	721	499

Historical Percentage Changes			
Year	K-12	Diff.	%
2005-06	1131	0	0.0%
2006-07	1133	2	0.2%
2007-08	1114	-19	-1.7%
2008-09	1057	-57	-5.1%
2009-10	1029	-28	-2.6%
2010-11	1072	43	4.2%
2011-12	1046	-26	-2.4%
2012-13	1013	-33	-3.2%
2013-14	1021	8	0.8%
2014-15	1049	28	2.7%
2015-16	1014	-35	-3.3%
Change		-117	-10.3%

% Non-Public Enrollment				
Year	K-5	6-8	9-12	
2005-06	18.2%	20.9%	34.3%	
2006-07	20.3%	21.1%	30.7%	
2007-08	20.1%	20.4%	30.5%	
2008-09	18.1%	19.9%	29.2%	
2009-10	17.6%	18.1%	28.5%	
2010-11	17.4%	20.9%	29.8%	
2011-12	16.2%	24.2%	28.3%	
2012-13	15.6%	21.8%	29.1%	
2013-14	13.4%	23.3%	31.5%	
2014-15	11.9%	24.4%	33.0%	
2015-16	9.9%	24.2%	33.4%	

K-5

MILTON, MA HOME SALES

Year	# Single-Family	S-F Median Sales Price	# Condo Units
1994	310	\$185,000.00	14
1995	330	\$180,500.00	9
1996	326	\$188,000.00	10
1997	357	\$195,000.00	13
1998	387	\$240,000.00	12
1999	309	\$275,000.00	15
2000	317	\$330,000.00	14
2001	314	\$338,700.00	10
2002	295	\$378,500.00	13
2003	300	\$441,500.00	10
2004	349	\$469,000.00	49
2005	365	\$475,000.00	42
2006	232	\$466,000.00	24
2007	265	\$441,000.00	24
2008	256	\$456,000.00	15
2009	246	\$440,500.00	9
2010	233	\$469,000.00	20
2011	246	\$446,500.00	22
2012	297	\$450,000.00	22
2013	308 (282 to Nov. 30)	\$492,500.00	22 (19 to Nov. 30)
2014	283 (255 to Nov. 30)	\$525,000.00	17 (17 to Nov. 30)
2015	305 (275 to Nov. 30)	\$565,000.00	16 (15 to Nov. 30)
2016	277 to Nov. 30	\$620,000.00	29 to Nov. 30

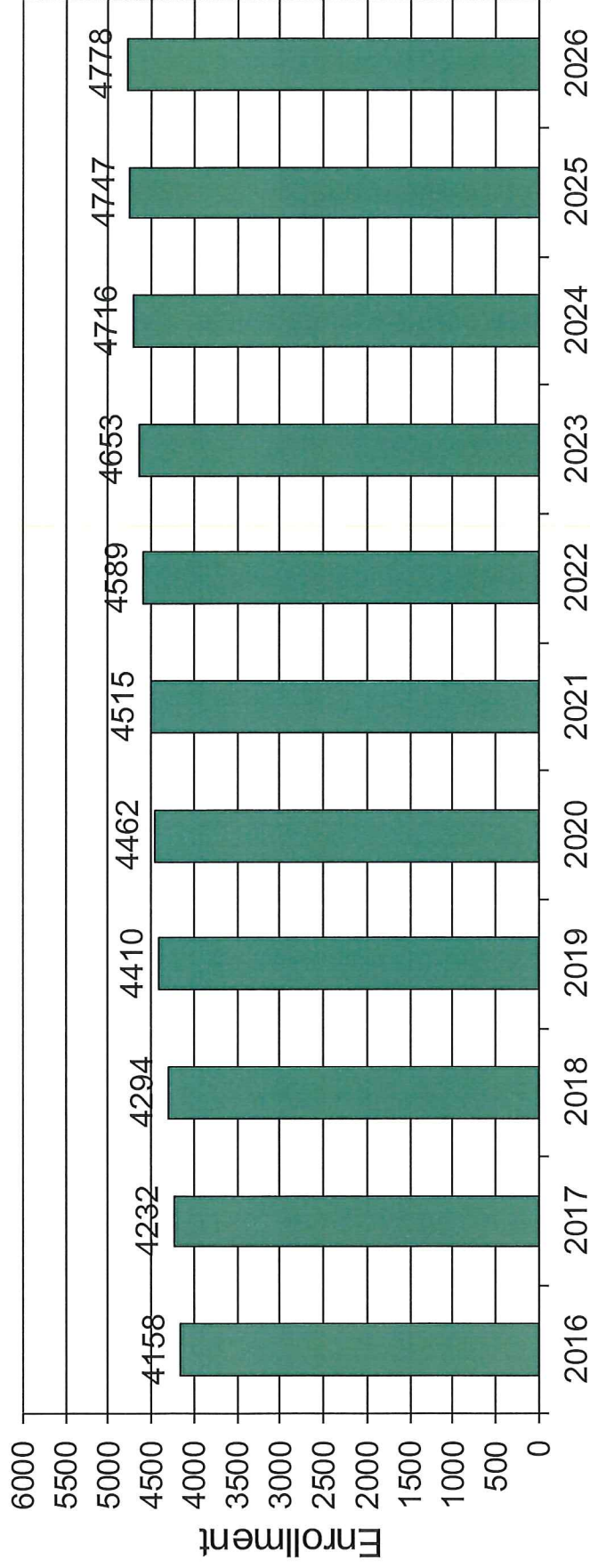
Source: The Warren Group, Banker & Tradesman

Zillow has identified Eastern MA as one of the Top 10 US Real Estate Markets

Milton, MA Projected Enrollment

TREND TOWARD GROWTH 50-60 STUDENTS PER YEAR

PK-12 TO 2026 Based On Data Through School Year 2016-17





- What does the data reveal?
- How do we know we are seeing trends, and not a one-time event?
MULTIPLE DATA POINTS
- What is the strength of our conclusions?
STRONG

SOME ANSWERS

Milton has been growing steadily for five school years, since 2011-12, especially in Grades K-5... meanwhile Milton's K-5 % in non-public schools has declined

Milton's housing sales have increased in the same timeframe as have the Median Sales Prices ... plus new/proposed constr.

Milton is not unique: other educationally-respected districts experiencing similar enrollment growth/space concerns



New England School Development Council

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**NEXT STEPS INCLUDE
CONTINUING DATA-WATCH...**

QUESTIONS ?

COMMENTS ?

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