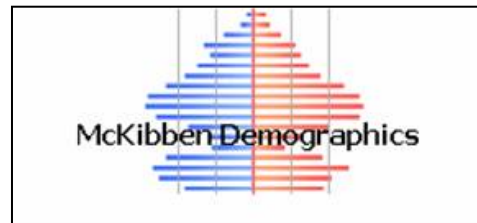


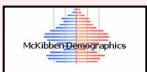


Wellesley Public Schools, MA

Presentation of Demographic Study Findings March 11, 2013



CropperGIS



CropperGIS



Cropper GIS Consulting, LLC

K-12 school planning is our business and our passion. Our specialty is redistricting, demographics and boundary studies.

Cropper GIS works with K-12 school districts to:

- develop redistricting plans,
- facilitate community engagement,
- research, map and write demographic studies,
- prepare long-range facility master plans,
- author site feasibility studies,
- conduct & publish housing impact and yield factor studies, and
- provide GIS implementation & training.



CropperGIS

Cropper GIS is an ESRI Authorized Business Partner



ESRI
Technology
AUTHORIZED
BUSINESS PARTNER



Matthew Cropper, GISP, Cropper GIS

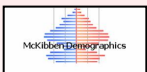
15+ years experience providing GIS mapping and analysis services to school districts and other clients.

Manages and Facilitates rezoning/planning projects across the U.S.

One of the only certified GIS Professionals (GISP) in the educational planning industry.

Trained school district personnel across the U.S. how to use & apply GIS.

Published numerous papers about using GIS for boundary planning and master planning.





McKibben Demographic Research, LLC

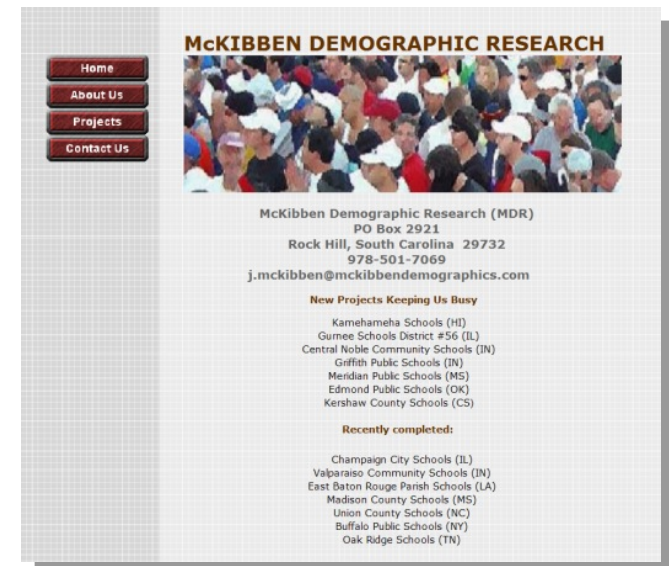
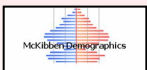
Over 30 years of experience

Specializes in population and enrollment analysis/forecasting

McKibben Demographics works with K-12 school districts to develop/understand:

- population and enrollment analysis/forecast
- redistricting
- policy & planning
- research methods & statistics
- needs assessments
- race/ethnicity based issues

Introductions

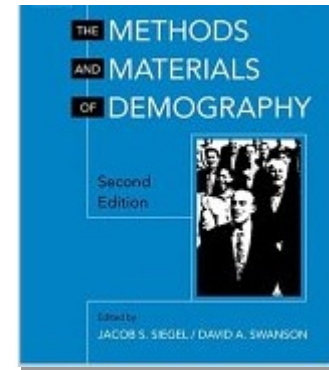




Jerome McKibben, PhD

Experience

- PhD in Demography, Bowling Green University
- Taught demography, statistics, sociology within US & Europe
- Served as a State Demographer of Indiana for 6 years
- Fulbright Scholar Award Recipient, Germany 2002
- Testified before state legislatures, courts, and the US Congress regarding census and population issues



Notable Publications

- "School District Planning Needs and the 2010 Census". *In Journal of Economic and Social Measurement*, Vol. 33, No. 2, May 2007
- "The Impact of Policy Changes on Forecasting for School Districts". *Population Research and Policy Review*. Vol. 15, No.5, December 1996, P. 527-536
- "Race and Ethnicity." *In Methods and Materials of Demography, Second Edition*. Edited by Jacob Siegel and David Swanson. Academic Press, Boston, March 2004
- "Population Distribution - Classification of Residence." *In Methods and Materials of Demography, Second Edition*. Edited Jacob Siegel and David Swanson. Co-authored with Kimberly Faust. Academic Press, Boston, March 2004



Recent Planning Projects:

Schenectady City Schools, NY

Queensbury City Schools, NY

Windsor Public Schools, CT

Henrico County Public Schools, VA

Richmond Public Schools, VA

Baltimore County Public Schools, MD

Frederick County Public Schools, MD

U.S. Department of Justice, Civil Rights Div.

Akron Public Schools, OH

Billings Public Schools, MT

Charleston County Schools, SC

Atlanta Public Schools, GA





Recent Projects:

- Fargo-Morehead Metropolitan Council of Governments, ND/MN
- Lolo Public Schools, Montana
- Missoula Public Schools, Montana
- Fayetteville Public Schools, Arkansas
- District 5 of Lexington & Richland Counties, South Carolina
- Unit 5 Schools, McLean County, Illinois
- Champaign Community Unit School District #4, Illinois
- Marion Community Unit School District #2, Illinois
- Penn-Harris-Madison School Corporation, Indiana
- Northwest Allen County Schools, Indiana
- Madison County School District, Mississippi
- Savannah-Chatham County Schools, Georgia
- Charleston County Public Schools, South Carolina





Why We're Here



Project Objectives

Cropper GIS Consulting / McKibben Demographic Research was hired by Wellesley Public Schools to facilitate and manage the project. Our firm is tasked to develop a demographic study.

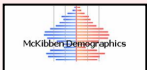
1. 10-year population and enrollment forecast by grade by school.
2. Analytical mapping of student densities and migration trends

Why We're Here





Demographic Study & Enrollment Forecasts



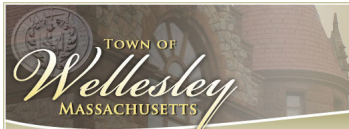


Data Collected from multiple sources including:

Wellesley Public Schools



- School District– Official enrollment counts by school by grade, along with enrollment databases by address. Data from transportation systems, school locations, facility information



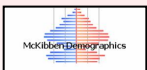
- Municipal Government Sources– Base GIS data (address pts, municipalities, housing permit activity, etc.)



- Internal Revenue Service (IRS) – In/Out Migration data.



- U.S. Census Bureau – 2010 Population/Housing data

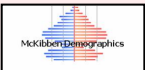




Review Data Collected

Data was collected from a variety of sources for the project. Data included:

1. Wellesley Public Schools data
 - a) Historical student enrollment by school by grade
 - b) 2012-13 student enrollment database, including attributes on race/ethnicity
 - c) Map of school attendance zones
 - d) Listing of all school locations in the district
2. Town of Wellesley GIS Data
 - a) Parcel / Property info
 - b) Address points
 - c) Street centerlines
 - d) Municipalities
 - e) Subdivisions / Neighborhoods
 - f) Points of interest (public/private schools, fire, police)
 - g) Other base data (rivers, lakes, railroads)
3. U.S. Census Bureau
 - a) Census 2010 demographic data and block geography





Data Analysis:

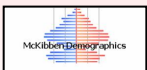
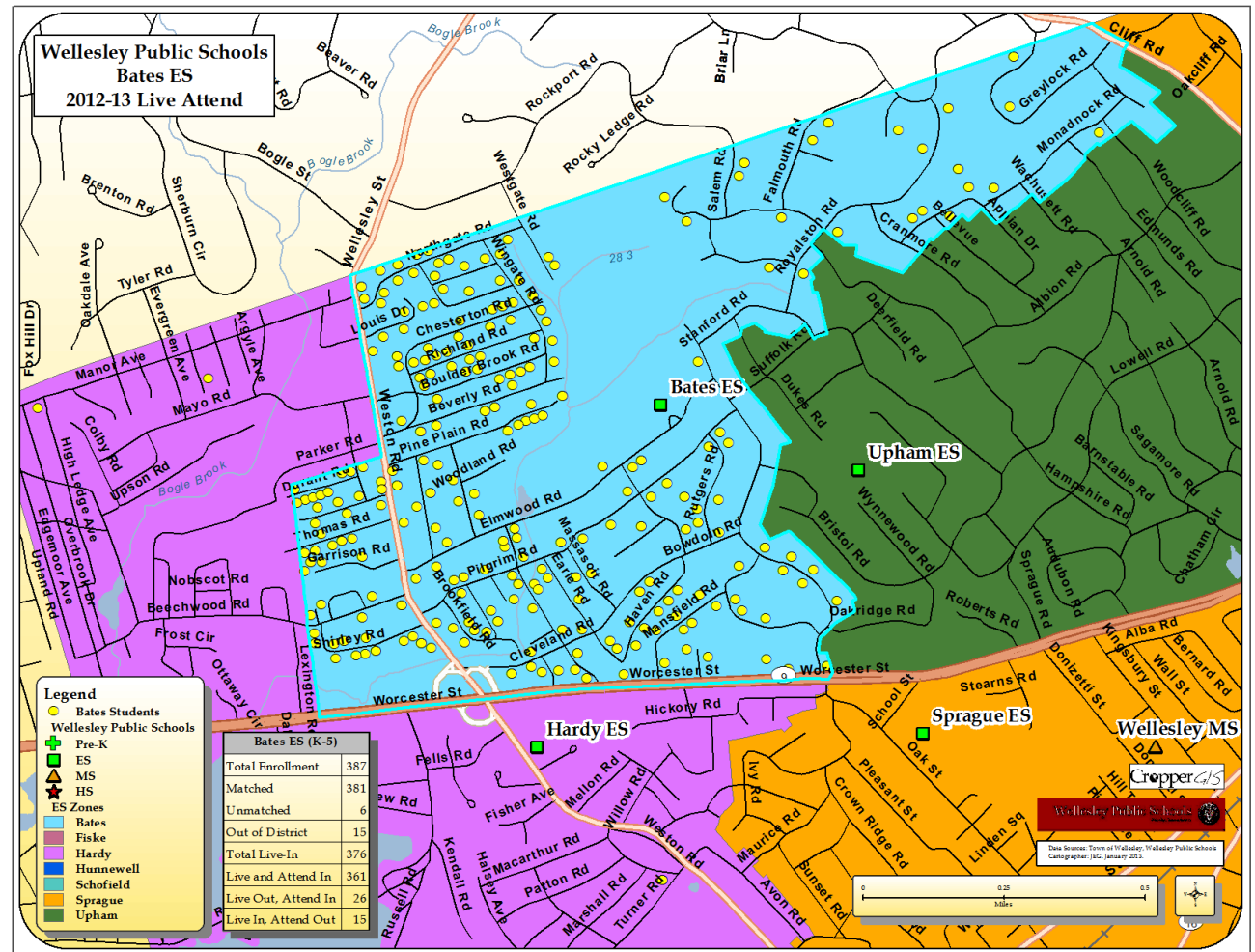
Data collected are analyzed in the form of maps and tables to help gain a clear understanding of various trends that are affecting enrollment within Wellesley Public Schools.

Components of the analysis include.....



Student migration analysis (Live/Attend Mapping) :

Analysis of where students live vs. attend school within the district.





Once data were collected, the information was analyzed. Analysis included:

- Reviewing where students live vs. attend school within the district

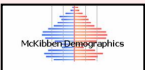
K-5 Live Attend Matrix		Where Students Attend School								
		Total Live In	Bates	Fiske	Hardy	Hunnewell	Schofield	Sprague	Upham	No Data
Total Attending		387	334	329	297	344	395	223	5	
Bates School District	376	361	1		2	3	2	7		15
Fiske School District	335		315		5	4	9	2		20
Hardy School District	324	4		310	5	1	2	2		14
Hunnewell School District	282		2	6	268	2	1	2	1	14
Schofield School District	340		10	2	1	312	10	4	1	28
Sprague School District	382	1	1	5	6	1	359	8	1	23
Upham School District	191						2	187	2	4
Out of District	76	15	5	6	10	20	9	11		
Unmatched	8	6				1	1			
Live Out, Attend In		26	19	19	29	32	36	36		

Where Students Live



Forecast Methodology

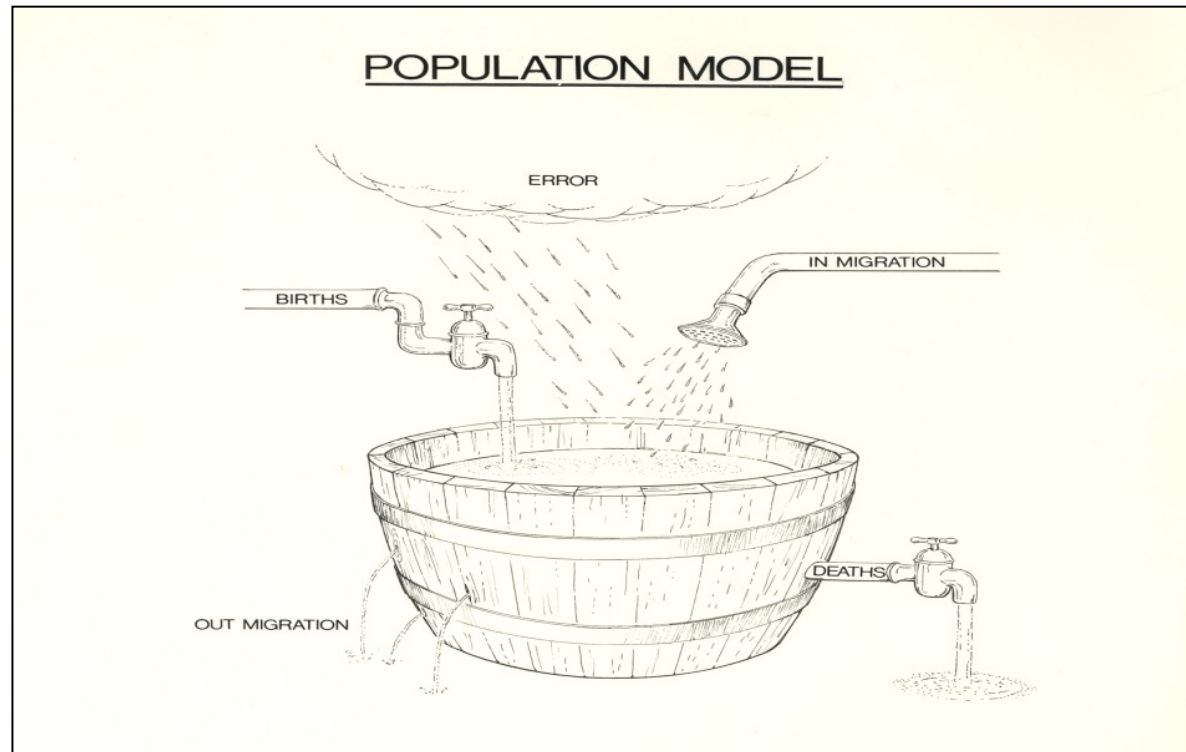
"To truly understand the complex enrollment patterns of any school district, an examination of the past, present and future demographic trends of the area is required"





Methodology

United States
**Census
2010**



Three Main Steps:

1. Identify pertinent census tracts and census blocks to collect necessary SF1, SF3 and SF4 detailed Census information
2. Calculate a total population forecast for geographic study area with the Cohort-Component Method
3. Calculate enrollment forecast using modified average survivorship methods

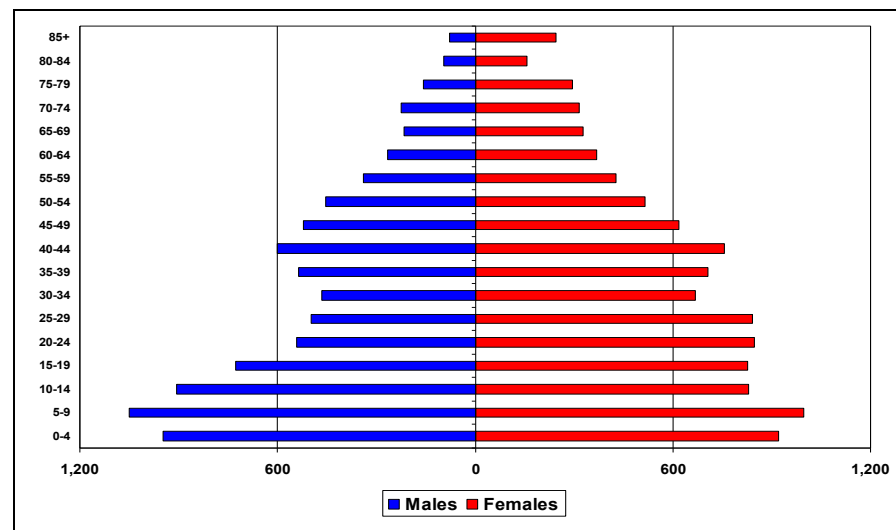




Methodology, continued

Factors Considered in Forecasts Include

1. Number of women in child bearing age
2. Change in area mortality rates
3. Magnitude & prevalence of out migration patterns by age
4. Magnitude & prevalence of in migration patterns
5. Considerations determined by local neighborhood factors

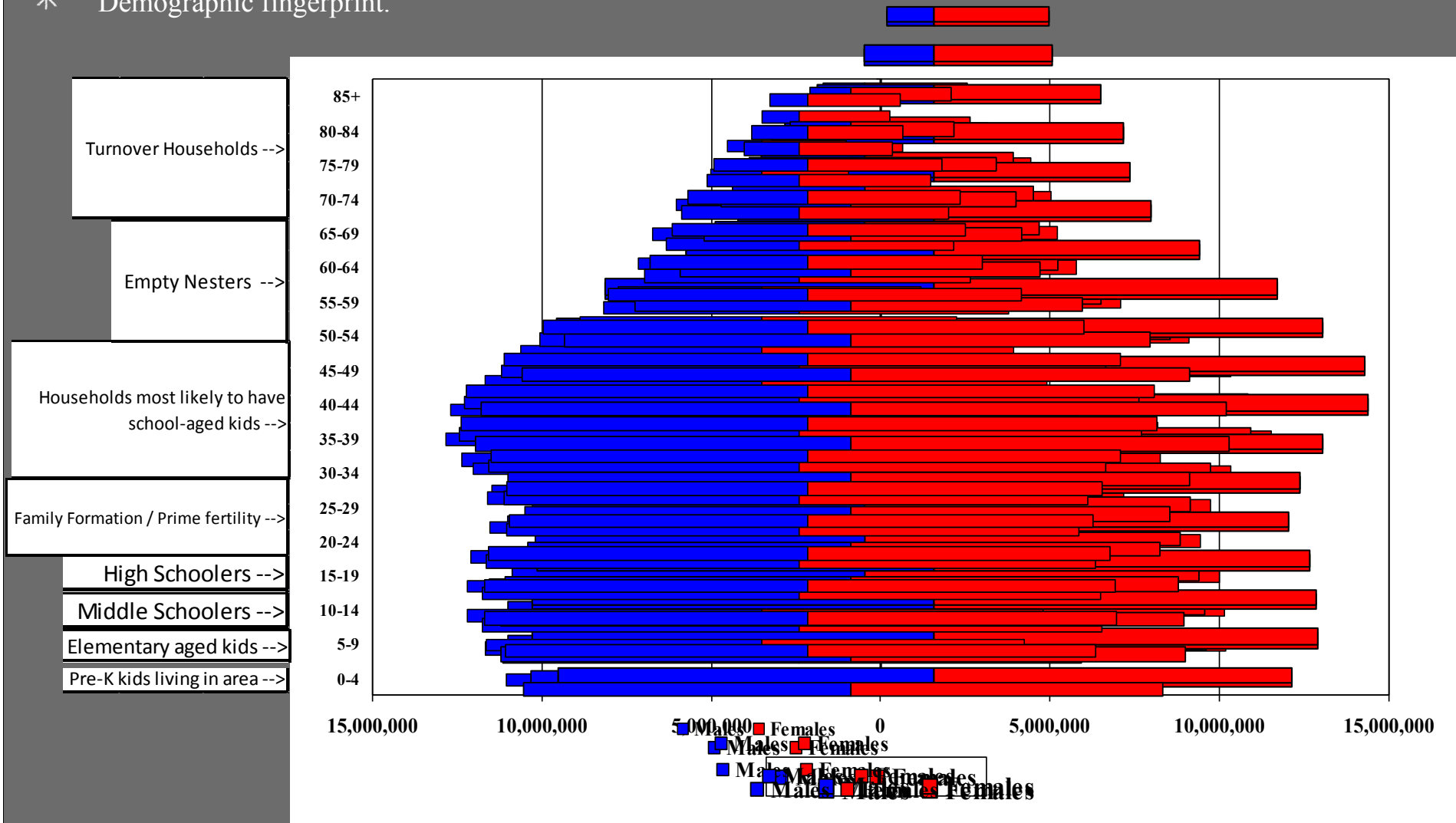


Proof is in the pyramid – Population Pyramids

* Pop pyramids are graphic representations showing age-sex distribution of a geographic area.

* Can be placed into broad typologies, but no 2 areas have the same exact characteristics.

* Demographic fingerprint.

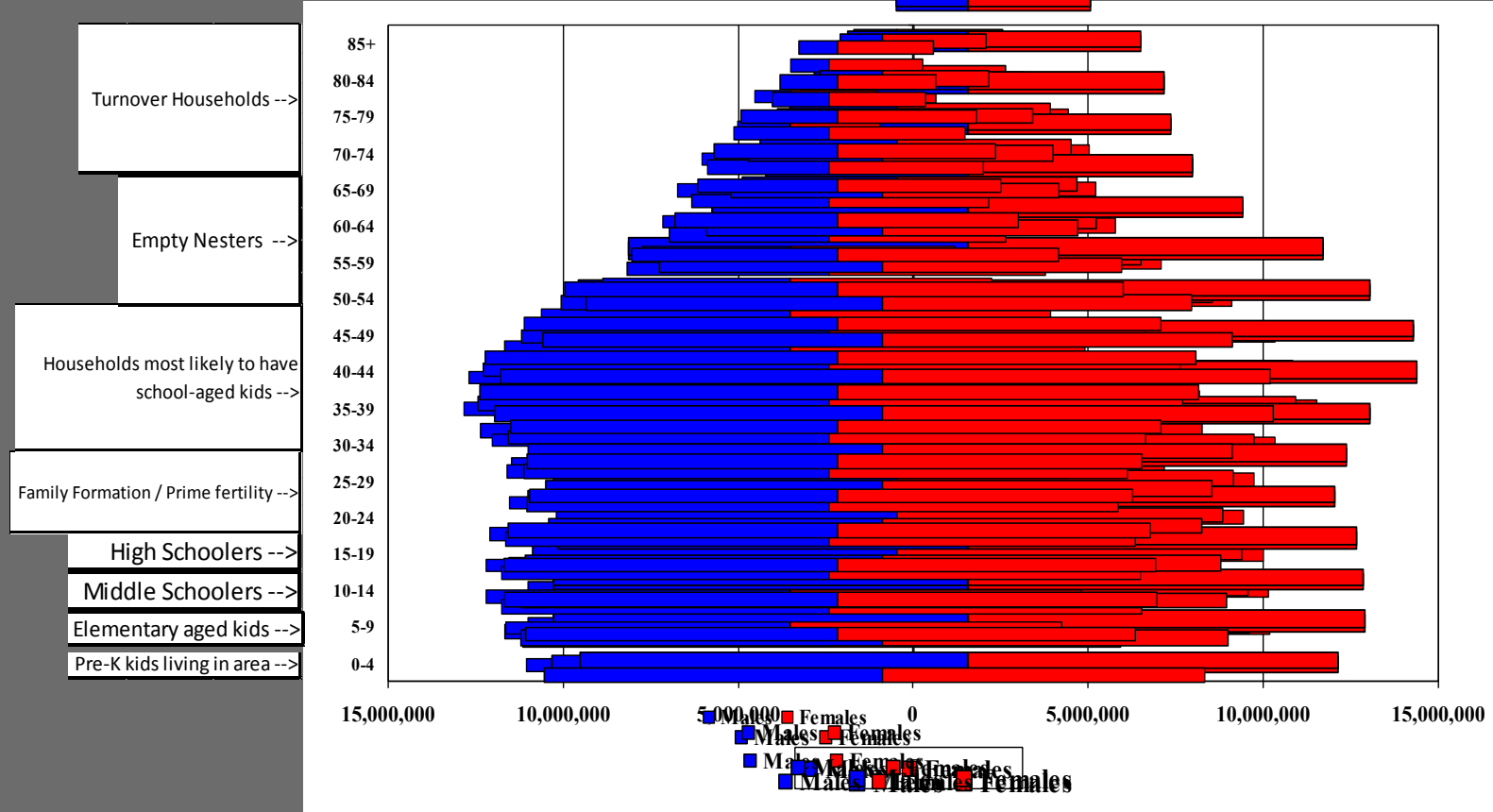


Population Pyramids – What are they telling us?

- * Areas with majority of householders 40-55 are most likely to have a decline in household size over the next 10 years as their children move out of the house / go off to college, hence an overall decline in enrollment.

- * Areas with majority of HH 20-35 are most likely to have increase in HH size over the next 10 years as they have kids and they age into the schools.

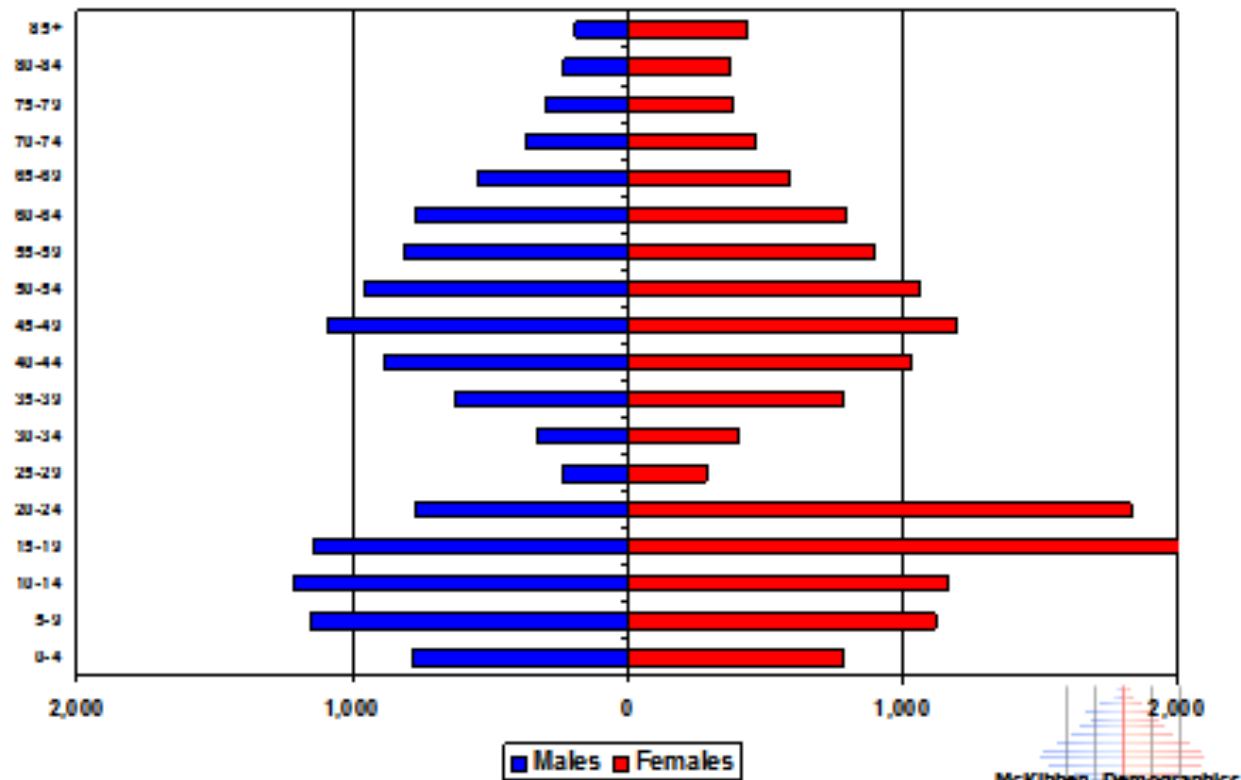
- * Areas with colleges inside will show a large cohort in this level. These can be isolated by removing group quarters population.



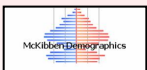


Population Pyramids

Wellesley Schools Total Population Census 2010



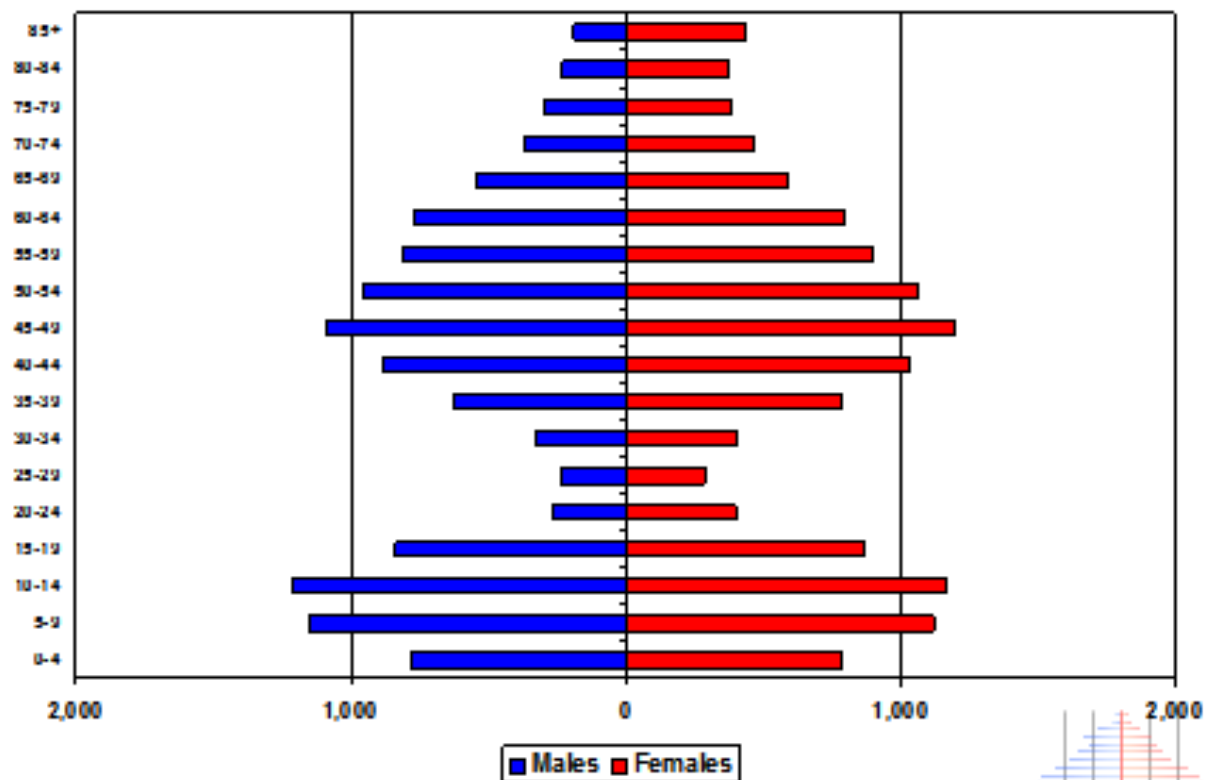
McKibben Demographics



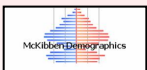


Population Pyramids

Wellesley Schools Total Population Census 2010
Without Group Quarters Population



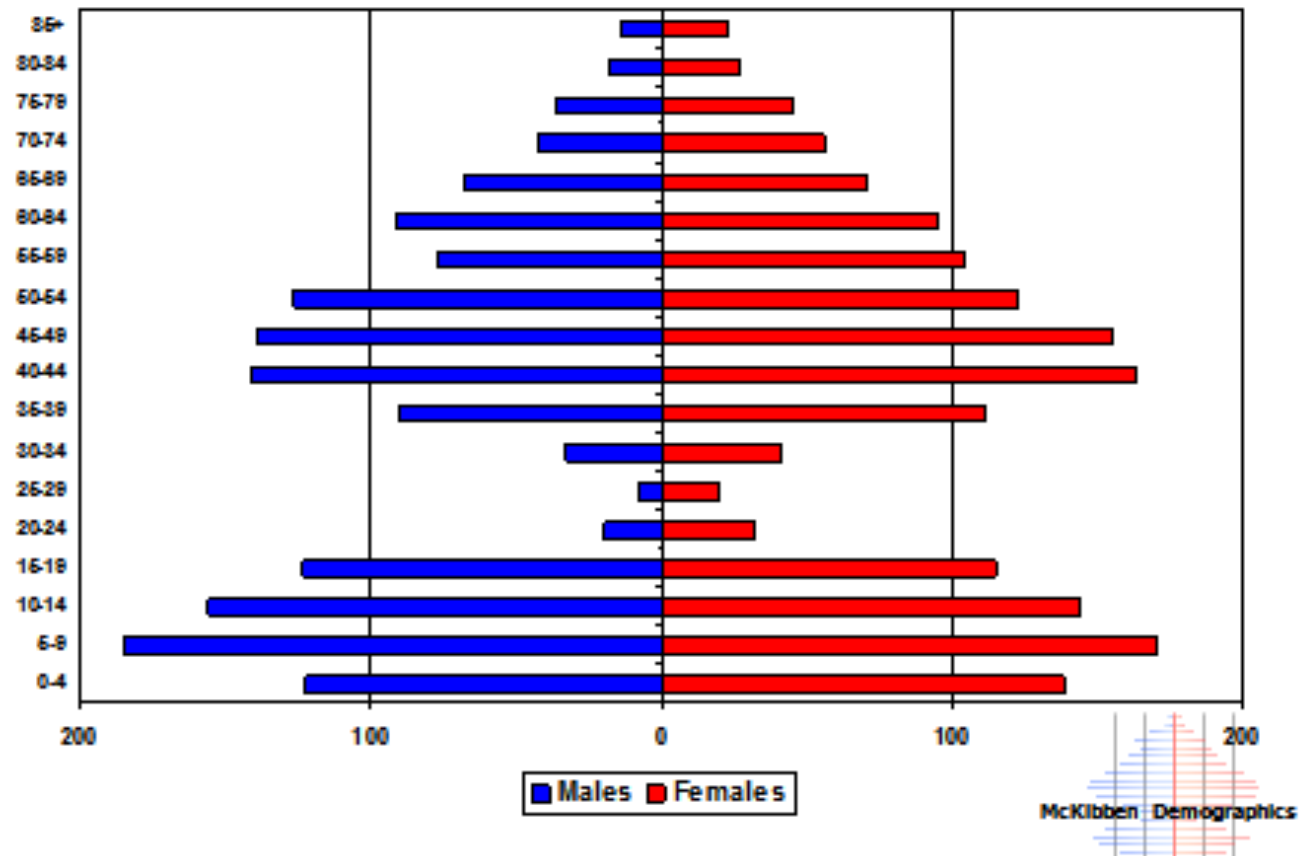
McKibben Demographics





Population Pyramids

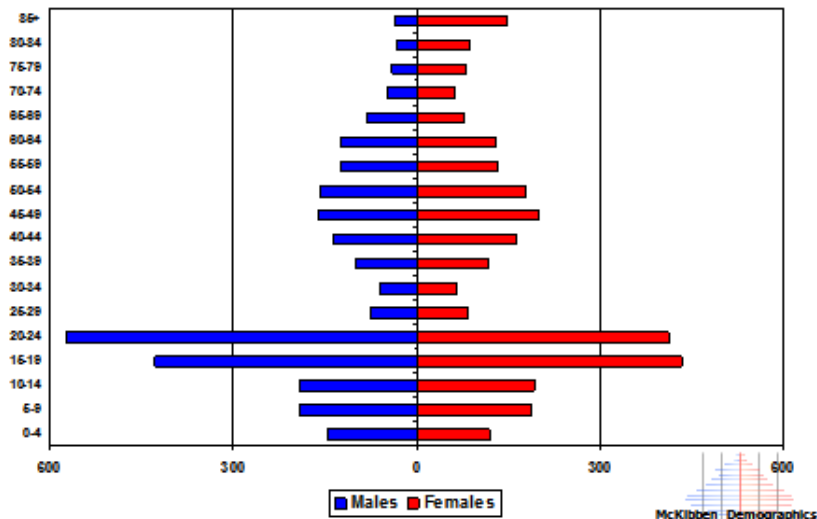
Bates School District Total Population Census 2010



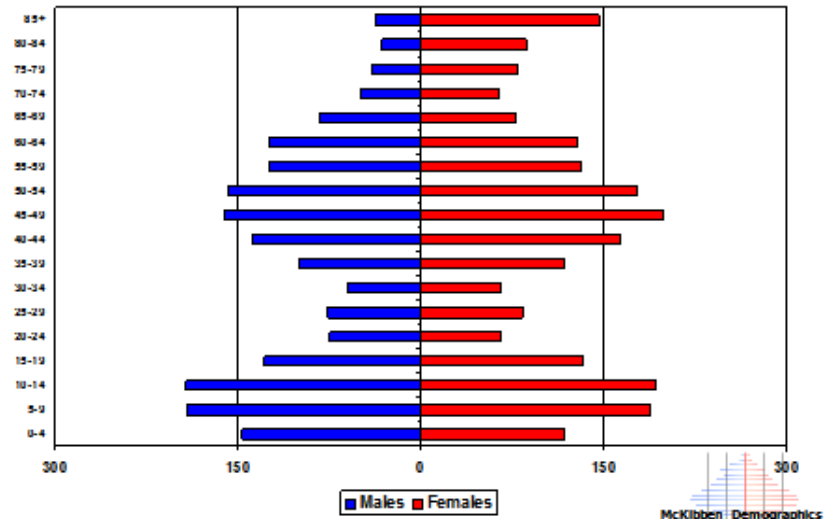


Population Pyramids

Fiske School District Total Population Census 2010



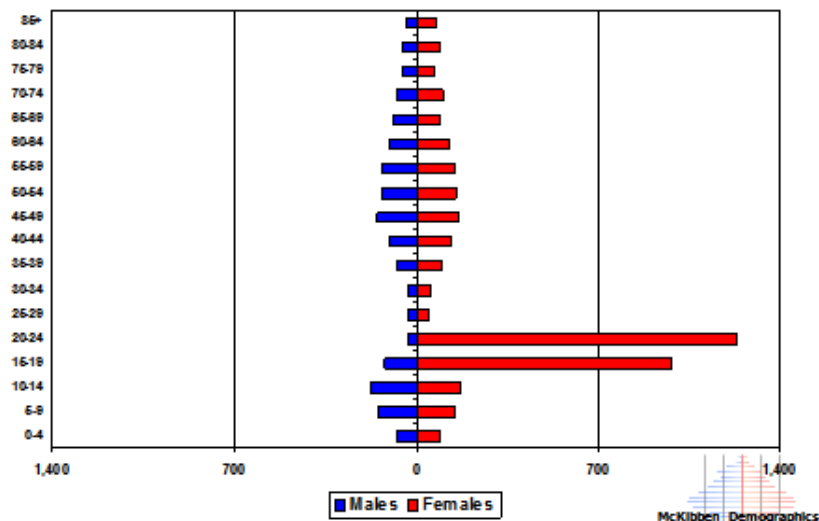
Fiske School District Total Population Census 2010
Without Group Quarters Population (note different scale)



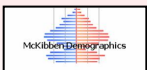
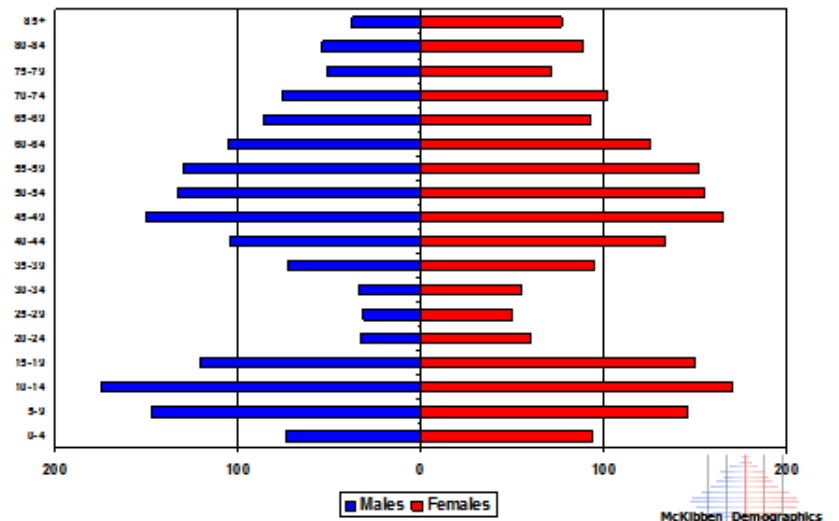


Population Pyramids

Hunnewell Total Population Census 2010



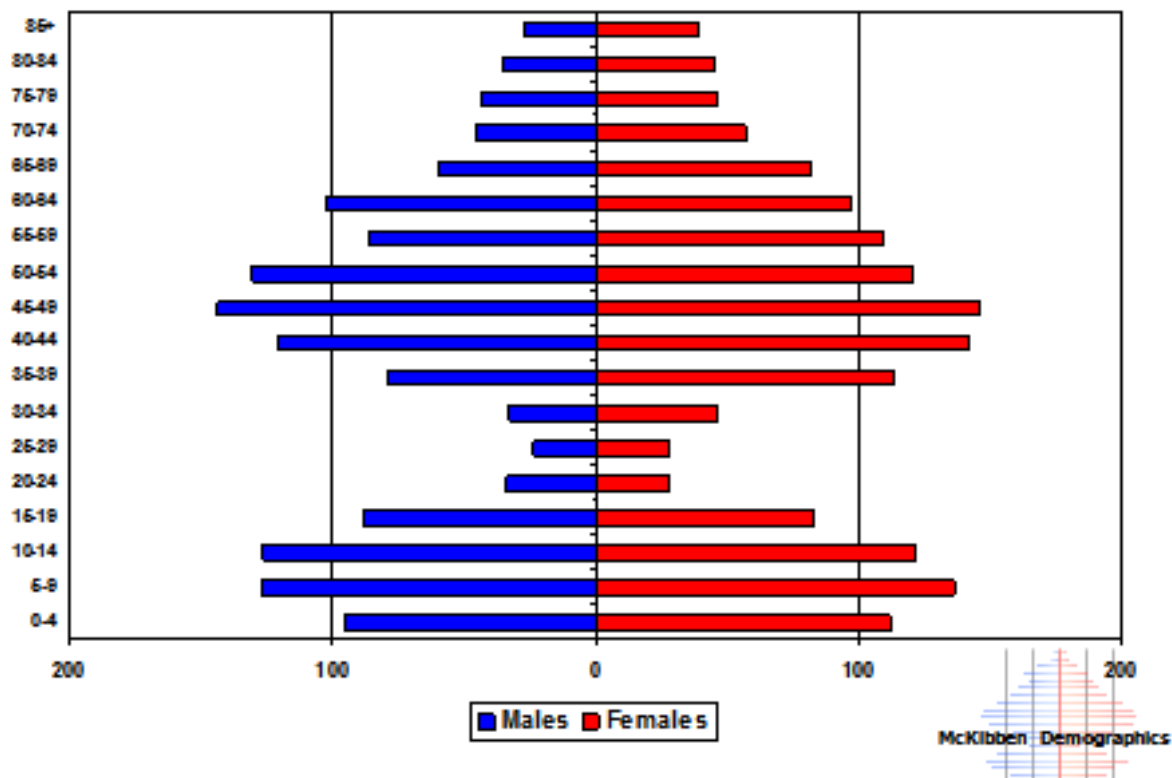
Hunnewell Total Population Census 2010
Without Group Quarters Population (note different scale)





Population Pyramids

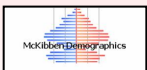
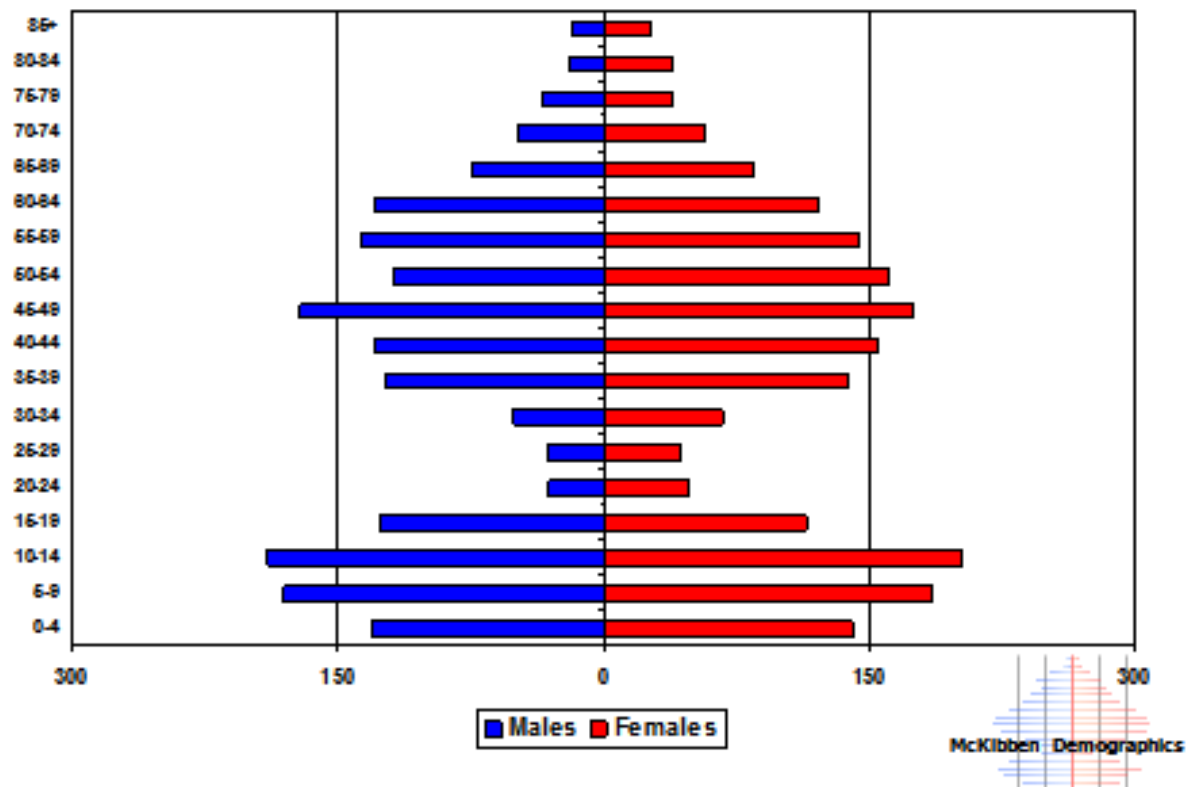
Hardy School District Total Population Census 2010





Population Pyramids

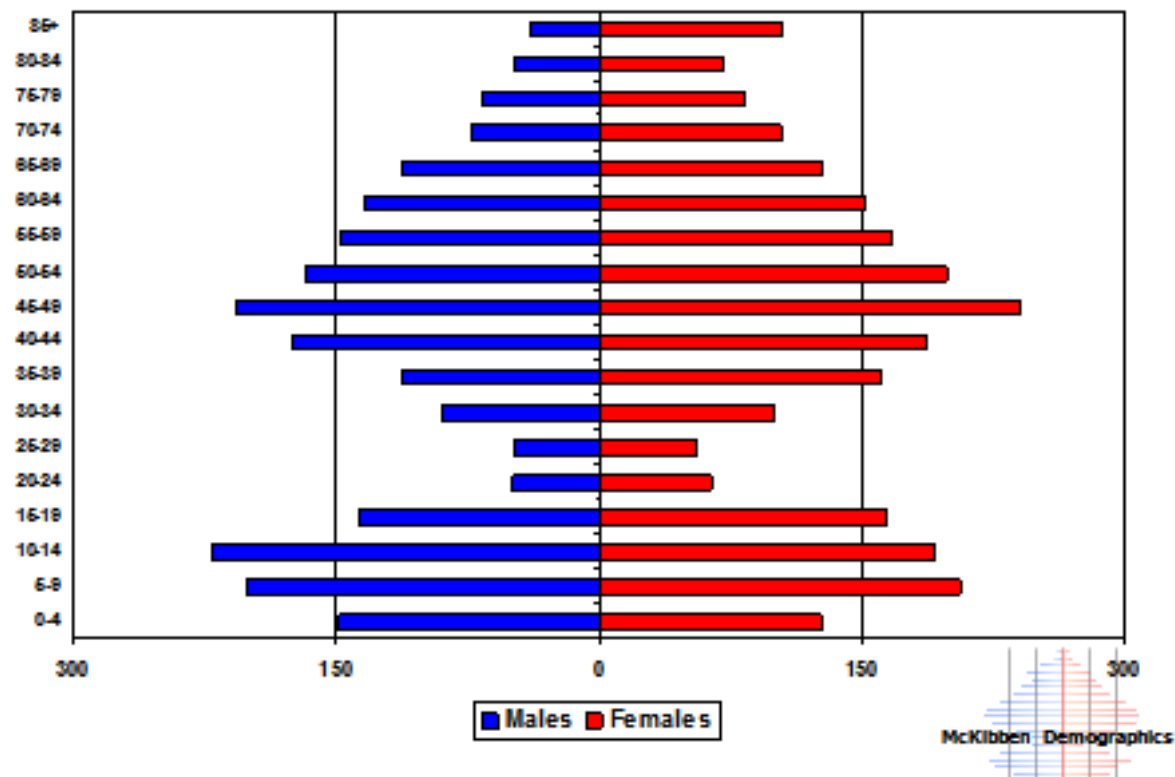
Schofield School District Total Population Census 2010





Population Pyramids

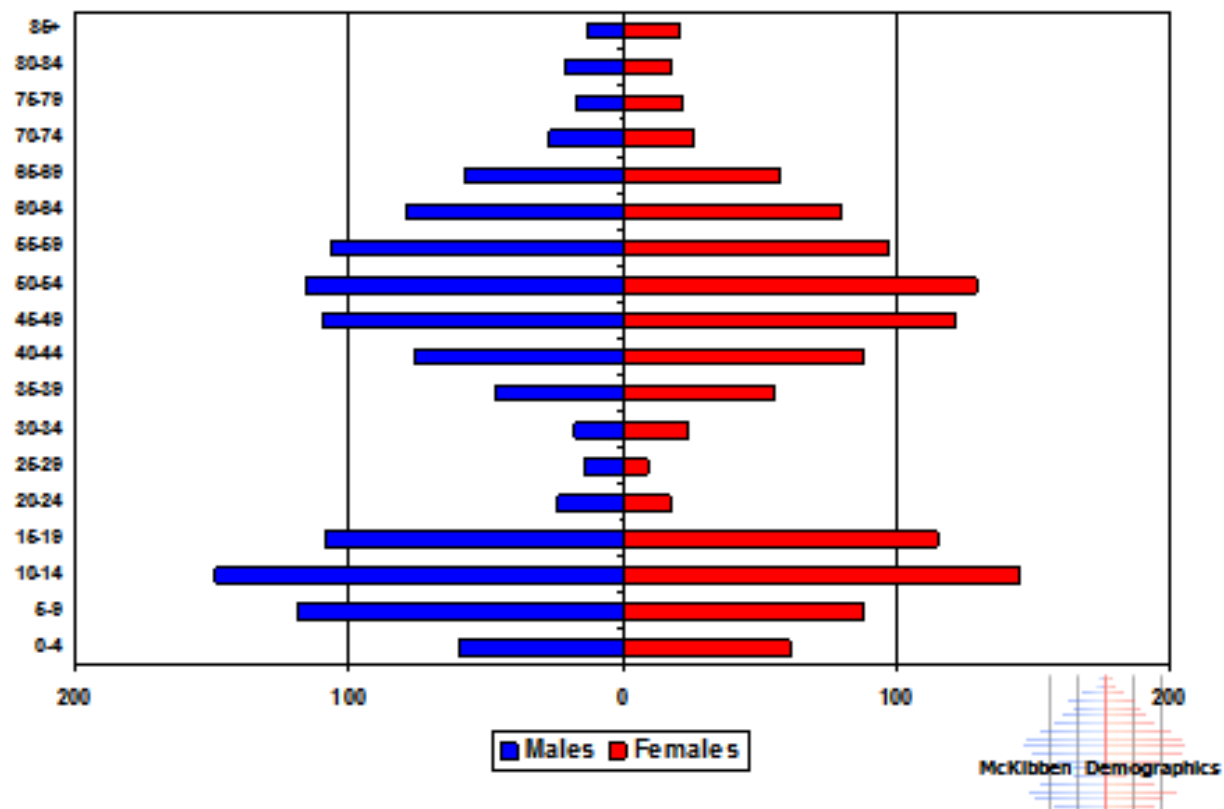
Sprague School District Total Population Census 2010





Population Pyramids

Upham School District Total Population Census 2010





Household Characteristics

Table 1: Forecasted Population Change, 2010 to 2020

	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>10-Year</u> <u>Change</u>
U.S. (in millions)	308	322	334	8.4%
Massachusetts	6,547,629	6,688,000	6,892,000	5.3%
Norfolk County	670,850	687,000	701,000	4.5%
Wellesley	27,982	28,290	28,540	2.0%

Table 2: Forecasted Elementary Area Population Change, 2010 to 2020

	<u>2010</u>	<u>2015</u>	<u>2010-2015</u> <u>Change</u>	<u>2020</u>	<u>2015-2020</u> <u>Change</u>	<u>2010-2020</u> <u>Change</u>
Bates	3,132	3,260	3.9%	3,380	3.7%	7.9%
Fiske	5,582	5,630	0.9%	5,650	0.4%	1.2%
Hardy	2,958	2,940	-0.6%	2,970	1.0%	0.4%
Hunnewell	5,604	5,620	0.3%	5,630	0.2%	0.5%
Schofield	3,689	3,790	2.7%	3,810	0.5%	3.3%
Sprague	4,683	4,720	0.8%	4,720	0.0%	0.8%
Upham	2,334	2,330	-0.2%	2,380	2.1%	2.0%
District Total	27982	28290	1.1%	28540	0.9%	2.0%



Table 3: Household Characteristics by Elementary Districts, 2010 Census

	HH w/ Pop Under 18	% HH w/ Pop Under 18	Total Households	Household Population	Persons Per Household
Bates	520	50.9%	1021	3132	3.07
Fiske	610	41.2%	1480	3993	2.70
Hardy	451	41.6%	1082	2958	2.73
Hunnewell	481	35.7%	1347	3504	2.60
Schofield	616	49.0%	1258	3687	2.93
Sprague	676	38.4%	1763	4556	2.58
Upham	377	50.7%	744	2334	3.14
District Total	3730	42.9%	8695	24164	2.78

**Table 4: Householder Characteristics by Elementary Districts,
2010 Census**

	Percentage of Householders aged 35-54	Percentage of Householders aged 65+	Percentage of Householders Who Own Homes
Bates	52.3%	25.4%	97.4%
Fiske	42.7%	28.4%	72.0%
Hardy	46.7%	27.6%	90.5%
Hunnewell	38.4%	36.2%	73.9%
Schofield	48.7%	22.4%	84.4%
Sprague	43.9%	28.1%	73.8%
Upham	47.6%	23.5%	96.1%
District Total	45.2%	27.8%	81.8%



Household Characteristics

Table 5: Single Person Houseolds and Single
Person Housholds over age 65 by Elementary
Districts, 2010 Census

	<u>Percentage of Single Person Households</u>	<u>Percentage of Households single person and 65+</u>
Bates	14.6%	9.9%
Fiske	23.7%	13.6%
Hardy	19.7%	11.1%
Hunnewell	25.6%	15.9%
Schofield	15.7%	8.0%
Sprague	26.5%	12.4%
Upham	10.3%	6.5%
District Total	20.7%	11.6%



Table 7: Age Under One to Age Ten Population Counts, by Year of Age, by Elementary Attendance Area: 2010 Census

	Age in Years										
	Under 1	1	2	3	4	5	6	7	8	9	10
Bates	34	49	47	64	69	52	68	81	76	77	60
Fiske	43	43	50	70	59	61	68	91	83	77	86
Hardy	28	31	46	52	52	40	51	61	53	59	45
Hunnewell	21	27	37	37	46	47	49	68	62	67	69
Schofield	47	52	59	54	61	59	87	76	62	83	92
Sprague	35	55	61	63	60	73	73	88	91	82	81
Upham	16	24	23	24	34	25	39	40	51	53	62
District Total	224	280	323	363	380	357	434	505	478	498	495



Enrollment Forecasts

Table: 6 Total Elementary Enrollment, 2012, 2017, 2022

	<u>2012</u>	<u>2017</u>	<u>2012-2017</u> <u>Change</u>	<u>2022</u>	<u>2017-2022</u> <u>Change</u>	<u>2012-2022</u> <u>Change</u>
Bates	320	308	-3.8%	274	-11.0%	-14.4%
Fiske	335	302	-9.9%	281	-7.0%	-16.1%
Hardy	328	319	-2.7%	287	-10.0%	-12.5%
Hunnewell	298	262	-12.1%	237	-9.5%	-20.5%
Schofield	341	333	-2.3%	320	-3.9%	-6.2%
Sprague	394	351	-10.9%	331	-5.7%	-16.0%
Upham	226	191	-15.5%	182	-4.7%	-19.5%
District Total	2,309	2,066	-10.5%	1,912	-7.5%	-17.2%

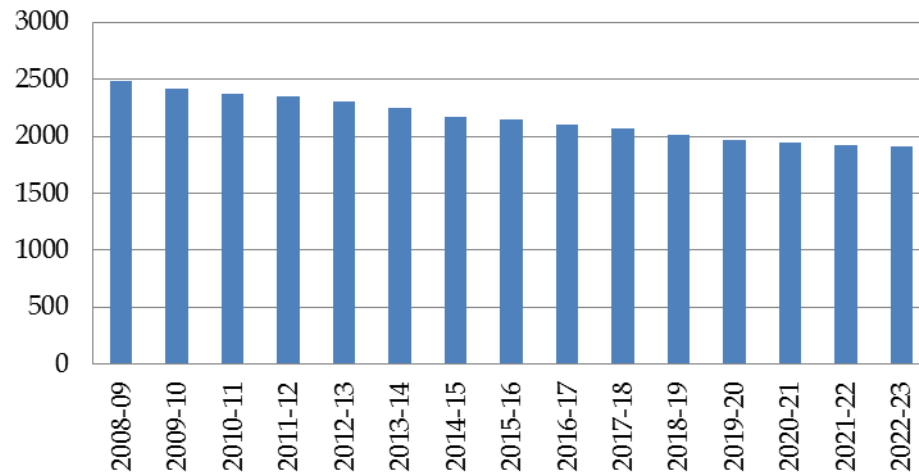


Wellesley Public Schools: Total Enrollment

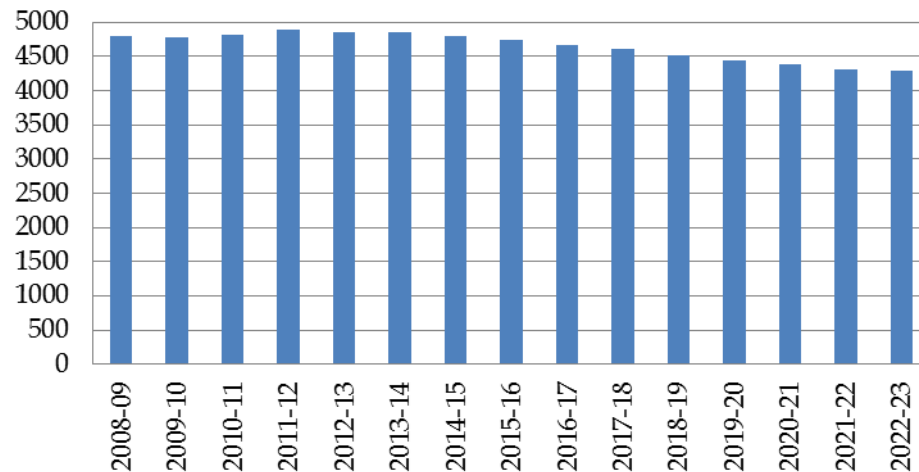
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
K	394	352	354	353	352	337	330	315	313	307	300	295	295	291	301
1	422	413	359	381	365	369	355	345	330	323	317	310	305	302	298
2	415	414	419	362	389	367	370	356	350	335	327	321	319	314	311
3	446	407	411	438	365	395	372	375	366	360	345	337	334	332	327
4	399	439	406	413	433	361	391	369	377	368	362	347	343	340	337
5	405	396	427	408	405	424	354	383	365	373	365	358	345	341	338
Elementary Total	2481	2421	2376	2355	2309	2253	2172	2143	2101	2066	2016	1968	1941	1920	1912
Change		-60	-45	-21	-46	-56	-81	-29	-42	-35	-50	-48	-27	-21	-8
Percent Change		-2.42%	-1.86%	-0.88%	-1.95%	-2.43%	-3.60%	-1.34%	-1.96%	-1.67%	-2.42%	-2.38%	-1.37%	-1.08%	-0.42%
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
6	368	390	397	410	381	390	408	341	370	353	361	354	348	336	333
7	377	360	380	382	411	370	378	396	332	361	345	353	347	342	331
8	315	383	361	384	373	413	372	381	399	335	365	349	358	352	348
Middle School Total	1060	1133	1138	1176	1165	1173	1158	1118	1101	1049	1071	1056	1053	1030	1012
Change		73	5	38	-11	8	-15	-40	-17	-52	22	-15	-3	-23	-18
Percent Change		6.89%	0.44%	3.34%	-0.94%	0.69%	-1.28%	-3.45%	-1.52%	-4.72%	2.10%	-1.40%	-0.28%	-2.18%	-1.75%
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
9	350	296	369	346	383	364	403	363	372	390	327	357	342	350	345
10	292	350	295	374	342	380	361	400	360	369	387	325	355	340	348
11	297	284	342	297	360	334	372	353	392	352	361	379	319	348	334
12	319	294	289	338	298	356	331	369	350	388	349	358	376	317	346
High School Total	1258	1224	1295	1355	1383	1434	1467	1485	1474	1499	1424	1419	1392	1355	1373
Change		-34	71	60	28	51	33	18	-11	25	-75	-5	-27	-37	18
Percent Change		-2.70%	5.80%	4.63%	2.07%	3.69%	2.30%	1.23%	-0.74%	1.70%	-5.00%	-0.35%	-1.90%	-2.66%	1.33%
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
Total Enrollment	4799	4778	4809	4886	4857	4860	4797	4746	4676	4614	4511	4443	4386	4305	4297
Change		-21	31	77	-29	3	-63	-51	-70	-62	-103	-68	-57	-81	-8
Percent Change		-0.44%	0.65%	1.60%	-0.59%	0.06%	-1.30%	-1.06%	-1.47%	-1.33%	-2.23%	-1.51%	-1.28%	-1.85%	-0.19%



K-5 Total



K-12 Total

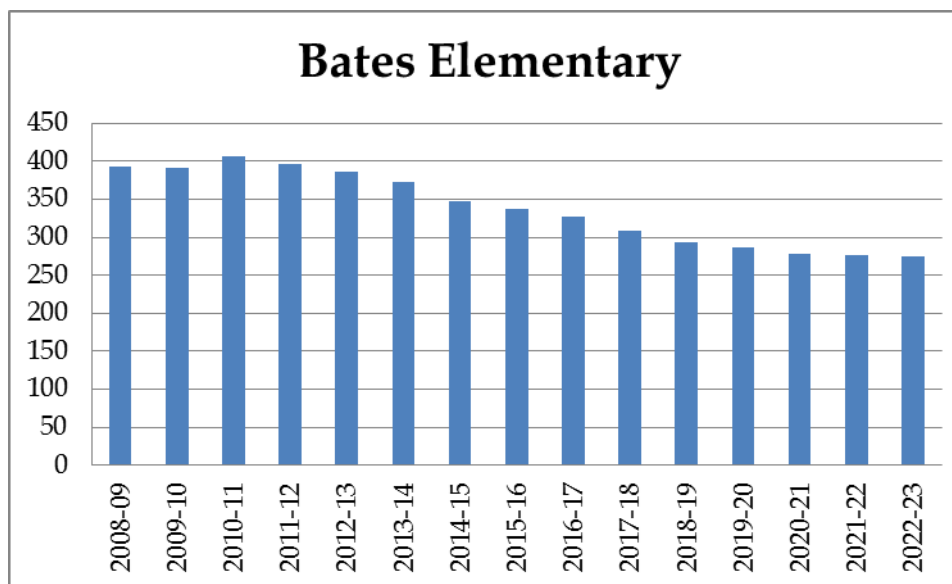




Bates Elementary

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
K	68	62	59	62	56	48	50	46	46	44	43	42	41	41	42
1	70	73	58	59	66	59	50	52	48	47	45	44	43	42	42
2	79	68	78	59	62	68	61	52	54	50	49	47	47	46	45
3	66	74	68	80	60	63	69	62	53	55	51	50	49	49	48
4	50	68	75	64	79	58	61	67	61	52	54	50	50	49	49
5	60	47	68	72	64	77	56	59	66	60	51	53	49	49	48
Total	393	392	406	396	387	373	347	338	328	308	293	286	279	276	274
Change		-1	14	-10	-9	-14	-26	-9	-10	-20	-15	-7	-7	-3	-2
% Change		-0.3%	3.6%	-2.5%	-2.3%	-3.6%	-7.0%	-2.6%	-3.0%	-6.1%	-4.9%	-2.4%	-2.4%	-1.1%	-0.7%

Bates Elementary

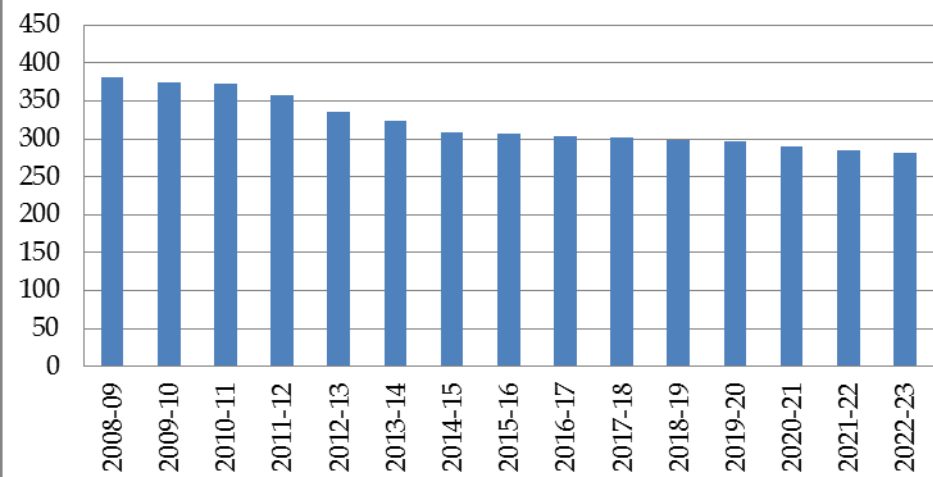




Fiske Elementary

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
K	65	53	61	56	57	54	54	53	52	51	50	49	49	48	49
1	61	67	52	59	52	55	52	52	51	51	50	49	48	48	47
2	66	66	68	51	57	51	54	51	52	51	51	50	48	47	47
3	69	60	62	68	49	55	49	52	50	51	50	50	49	47	46
4	56	72	60	62	63	48	53	48	51	49	50	49	49	48	46
5	65	57	70	61	57	60	46	51	47	49	48	49	47	47	46
Total	382	375	373	357	335	323	308	307	303	302	299	296	290	285	281
Change		-7	-2	-16	-22	-12	-15	-1	-4	-1	-3	-3	-6	-5	-4
% Change		-1.8%	-0.5%	-4.3%	-6.2%	-3.6%	-4.6%	-0.3%	-1.3%	-0.3%	-1.0%	-1.0%	-2.0%	-1.7%	-1.4%

Fiske Elementary

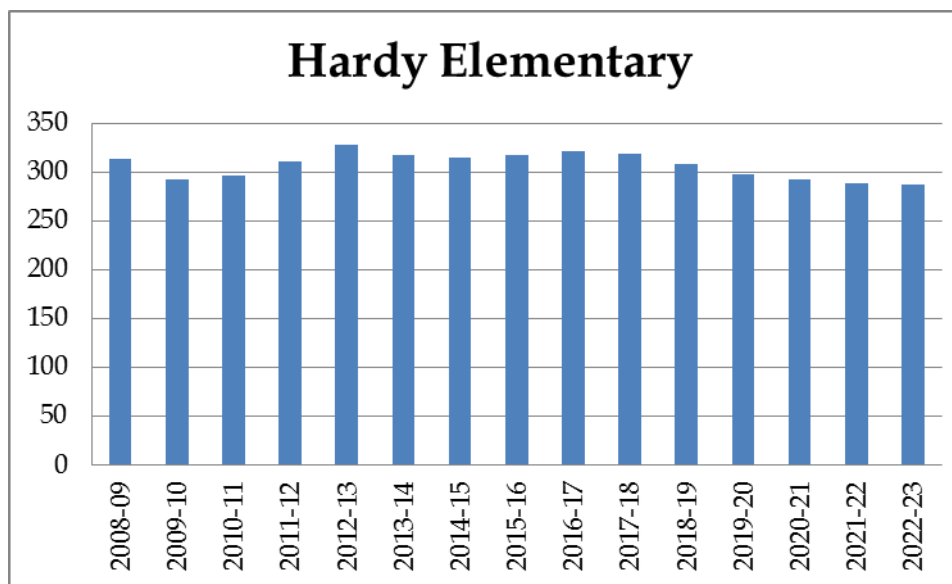




Hardy Elementary

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
K	48	43	47	47	57	52	49	46	46	45	44	43	44	43	44
1	60	49	48	53	53	61	58	54	51	50	49	48	47	47	46
2	48	58	51	48	48	51	59	56	53	50	49	48	48	47	47
3	50	46	59	57	49	49	52	60	58	55	52	51	50	50	49
4	48	48	45	62	57	49	49	53	61	59	56	53	52	51	51
5	59	48	46	44	64	56	48	48	52	60	58	55	52	51	50
Total	313	292	296	311	328	318	315	317	321	319	308	298	293	289	287
Change		-21	4	15	17	-10	-3	2	4	-2	-11	-10	-5	-4	-2
% Change		-6.7%	1.4%	5.1%	5.5%	-3.0%	-0.9%	0.6%	1.3%	-0.6%	-3.4%	-3.2%	-1.7%	-1.4%	-0.7%

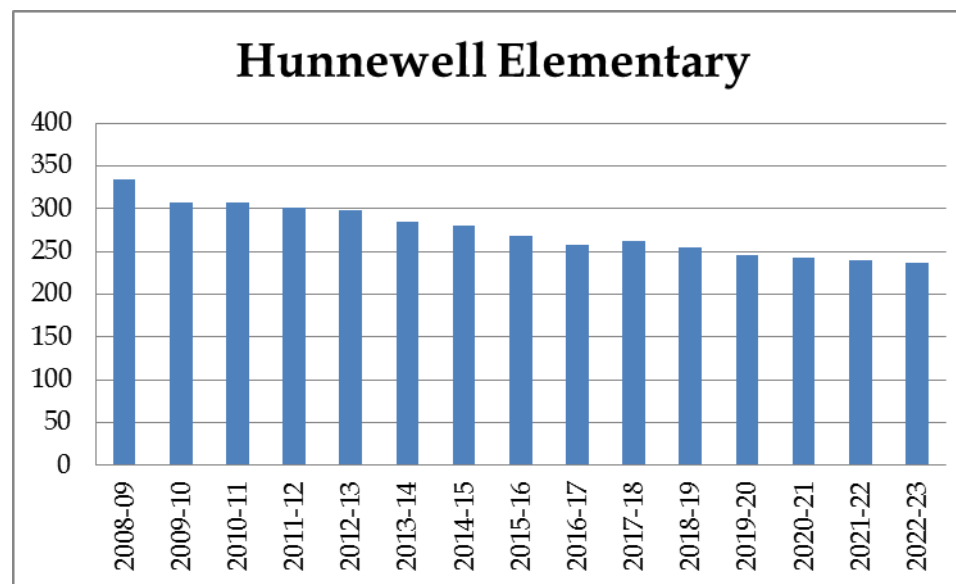
Hardy Elementary





Hunnewell Elementary

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
K	44	41	45	37	42	41	39	36	36	36	35	34	35	34	35
1	63	43	48	51	38	46	45	42	39	38	38	37	36	36	35
2	47	58	47	50	54	39	47	46	44	41	40	40	39	38	38
3	64	45	60	49	52	56	40	48	48	46	43	42	42	41	40
4	61	59	48	62	51	53	57	41	50	50	48	45	45	45	43
5	55	61	59	53	61	50	52	56	41	51	51	48	46	46	46
Total	334	307	307	302	298	285	280	269	258	262	255	246	243	240	237
Change		-27	0	-5	-4	-13	-5	-11	-11	4	-7	-9	-3	-3	-3
% Change		-8.1%	0.0%	-1.6%	-1.3%	-4.4%	-1.8%	-3.9%	-4.1%	1.6%	-2.7%	-3.5%	-1.2%	-1.2%	-1.3%

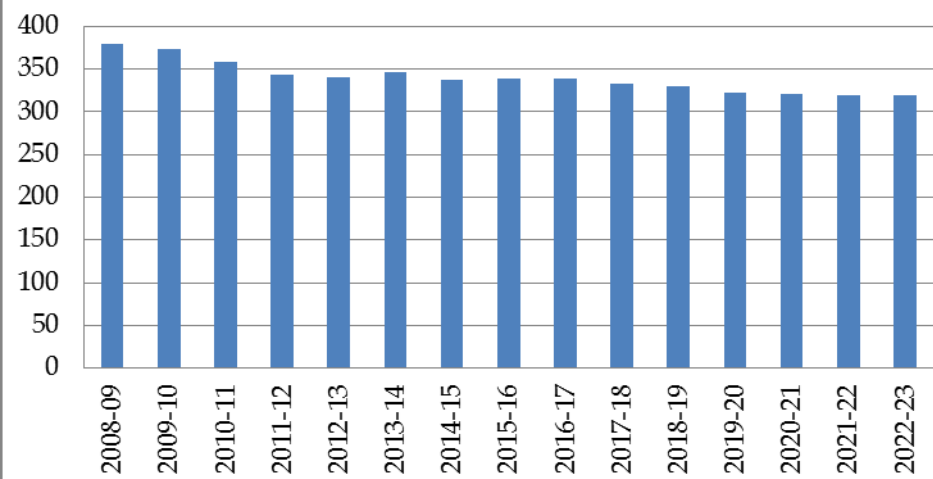




Schofield Elementary

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
K	60	56	48	60	54	57	55	54	53	52	51	51	50	50	52
1	53	66	54	50	62	56	59	57	56	54	53	52	52	51	51
2	69	47	66	52	56	61	55	58	56	55	53	52	53	53	52
3	75	73	51	66	55	58	63	57	61	59	58	56	55	56	56
4	68	70	69	48	63	52	55	59	55	59	57	56	55	54	55
5	54	62	71	67	51	62	51	54	58	54	58	56	56	55	54
Total	379	374	359	343	341	346	338	339	339	333	330	323	321	319	320
Change		-5	-15	-16	-2	5	-8	1	0	-6	-3	-7	-2	-2	1
% Change		-1.3%	-4.0%	-4.5%	-0.6%	1.5%	-2.3%	0.3%	0.0%	-1.8%	-0.9%	-2.1%	-0.6%	-0.6%	0.3%

Schofield Elementary

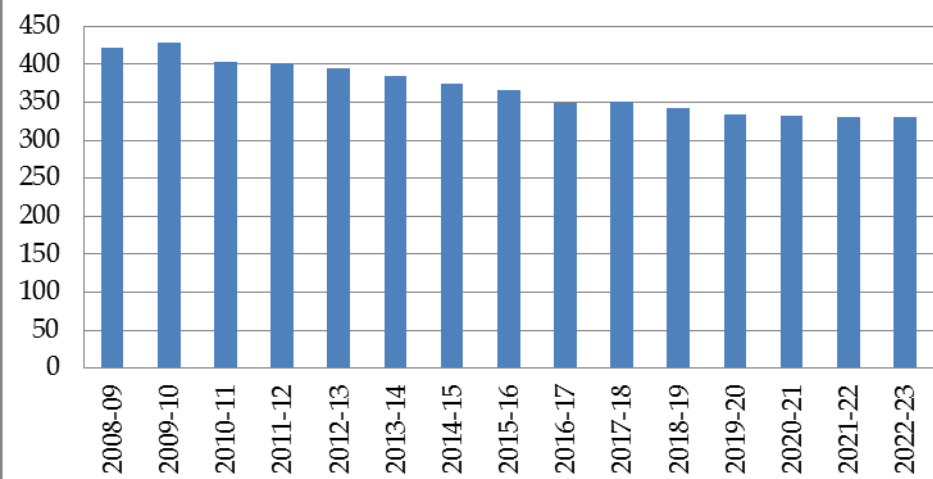




Sprague Elementary

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
K	71	65	62	49	57	56	55	52	52	51	50	49	50	49	52
1	73	73	65	73	54	61	60	58	55	54	53	52	51	51	50
2	67	76	67	65	74	55	62	61	59	56	55	54	54	53	53
3	73	68	72	72	65	75	56	63	63	61	58	57	57	57	56
4	71	71	68	74	72	65	75	56	64	64	62	59	59	59	59
5	67	75	69	69	72	73	66	76	57	65	65	63	61	61	61
Total	422	428	403	402	394	385	374	366	350	351	343	334	332	330	331
Change		6	-25	-1	-8	-9	-11	-8	-16	1	-8	-9	-2	-2	1
% Change		1.4%	-5.8%	-0.2%	-2.0%	-2.3%	-2.9%	-2.1%	-4.4%	0.3%	-2.3%	-2.6%	-0.6%	-0.6%	0.3%

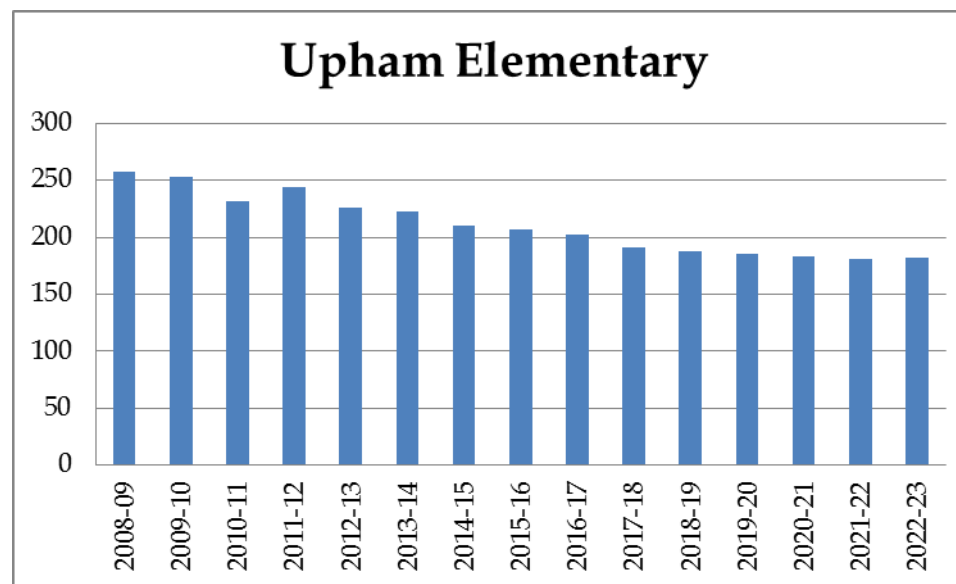
Sprague Elementary





Upham Elementary

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
K	38	32	32	42	29	29	28	28	28	28	27	27	26	26	27
1	42	42	34	36	40	31	31	30	30	29	29	28	28	27	27
2	39	41	42	37	38	42	32	32	32	32	30	30	30	30	29
3	49	41	39	46	35	39	43	33	33	33	33	31	32	32	32
4	45	51	41	41	48	36	41	45	35	35	35	35	33	34	34
5	45	46	44	42	36	46	35	39	44	34	34	34	34	32	33
Total	258	253	232	244	226	223	210	207	202	191	188	185	183	181	182
Change		-5	-21	12	-18	-3	-13	-3	-5	-11	-3	-3	-2	-2	1
% Change		-1.9%	-8.3%	5.2%	-7.4%	-1.3%	-5.8%	-1.4%	-2.4%	-5.4%	-1.6%	-1.6%	-1.1%	-1.1%	0.6%

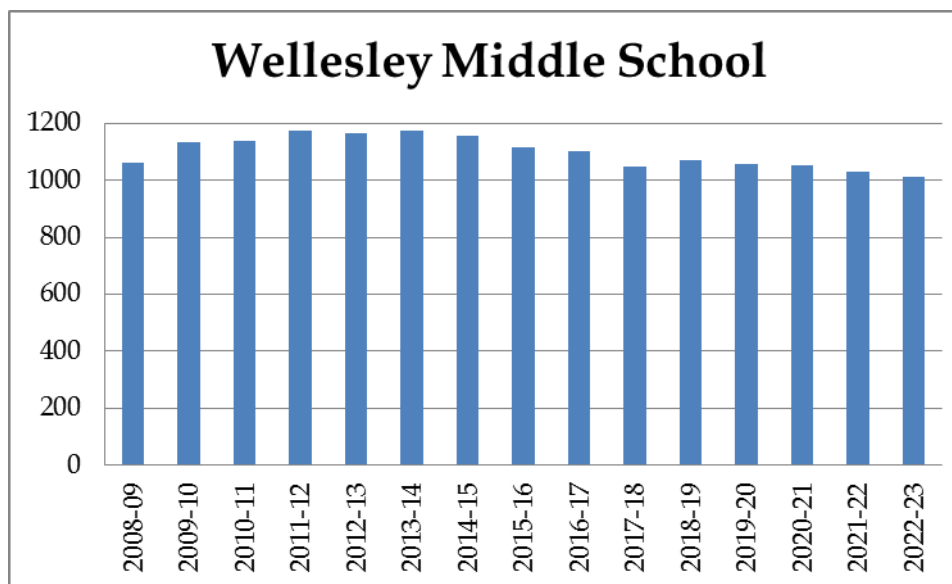




Wellesley MS

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
6	368	390	397	410	381	390	408	341	370	353	361	354	348	336	333
7	377	360	380	382	411	370	378	396	332	361	345	353	347	342	331
8	315	383	361	384	373	413	372	381	399	335	365	349	358	352	348
Total	1060	1133	1138	1176	1165	1173	1158	1118	1101	1049	1071	1056	1053	1030	1012
Change		73	5	38	-11	8	-15	-40	-17	-52	22	-15	-3	-23	-18
% Change		6.9%	0.4%	3.3%	-0.9%	0.7%	-1.3%	-3.5%	-1.5%	-4.7%	2.1%	-1.4%	-0.3%	-2.2%	-1.7%

Wellesley Middle School

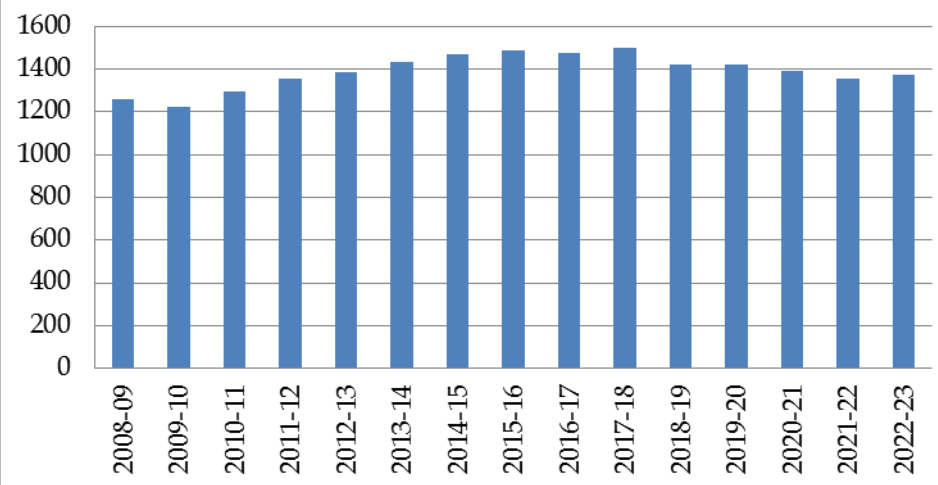




Wellesley High School

	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23
9	350	296	369	346	383	364	403	363	372	390	327	357	342	350	345
10	292	350	295	374	342	380	361	400	360	369	387	325	355	340	348
11	297	284	342	297	360	334	372	353	392	352	361	379	319	348	334
12	319	294	289	338	298	356	331	369	350	388	349	358	376	317	346
Total	1258	1224	1295	1355	1383	1434	1467	1485	1474	1499	1424	1419	1392	1355	1373
Change		-34	71	60	28	51	33	18	-11	25	-75	-5	-27	-37	18
% Change		-2.7%	5.8%	4.6%	2.1%	3.7%	2.3%	1.2%	-0.7%	1.7%	-5.0%	-0.4%	-1.9%	-2.7%	1.3%

Wellesley High School





Questions?



Population Forecast

Wellesley Public Schools

Males	2010	2015	2020
0-4	781	690	640
5-9	1,152	1,010	930
10-14	1,211	1,200	1,040
15-19	1,136	1,300	1,270
20-24	766	800	820
25-29	236	300	330
30-34	320	380	470
35-39	626	610	660
40-44	884	760	790
45-49	1,084	920	840
50-54	952	1,080	920
55-59	809	910	1,010
60-64	766	760	850
65-69	542	650	650
70-74	364	430	560
75-79	292	310	390
80-84	229	220	260
85+	186	180	190
Total	12,336	12,510	12,620

Females	2010	2015	2020
0-4	789	670	630
5-9	1,120	1,010	910
10-14	1,169	1,170	1,050
15-19	2,009	2,090	2,080
20-24	1,833	1,870	1,870
25-29	289	370	380
30-34	398	440	510
35-39	789	670	710
40-44	1,031	920	880
45-49	1,201	1,070	1,010
50-54	1,064	1,180	1,060
55-59	904	1,030	1,170
60-64	798	830	970
65-69	592	730	770
70-74	465	510	650
75-79	386	420	470
80-84	373	370	360
85+	436	430	440
Total	15,646	15,780	15,920

Total	2010	2015	2020
0-4	1,570	1,360	1,270
5-9	2,272	2,020	1,840
10-14	2,380	2,370	2,090
15-19	3,145	3,390	3,350
20-24	2,599	2,670	2,690
25-29	525	670	710
30-34	718	820	980
35-39	1,415	1,280	1,370
40-44	1,915	1,680	1,670
45-49	2,285	1,990	1,850
50-54	2,016	2,260	1,980
55-59	1,713	1,940	2,180
60-64	1,564	1,590	1,820
65-69	1,134	1,380	1,420
70-74	829	940	1,210
75-79	678	730	860
80-84	602	590	620
85+	622	610	630
Total	27,982	28,290	28,540
Median Age	37.8	38.3	39.9

	2010-2015	2015-2020
Births	940	900
Deaths	1,050	1,110
Natural Increase	-110	-210
Net Migration	530	480
Change	420	270

Differences between period Totals may not equal Change due to rounding.



Population Forecast

Bates Elementary

Males	2010	2015	2020
0-4	123	110	100
5-9	185	150	130
10-14	156	190	150
15-19	124	130	160
20-24	20	40	40
25-29	8	20	40
30-34	33	40	40
35-39	91	90	70
40-44	142	110	120
45-49	139	150	140
50-54	127	140	150
55-59	77	120	130
60-64	92	70	120
65-69	68	80	60
70-74	43	50	70
75-79	37	30	50
80-84	18	30	30
85+	14	20	20
Total	1,496	1,570	1,620

Females	2010	2015	2020
0-4	138	100	100
5-9	170	160	120
10-14	144	180	170
15-19	115	120	150
20-24	32	30	30
25-29	20	30	30
30-34	41	50	50
35-39	111	90	80
40-44	163	130	120
45-49	155	170	160
50-54	123	150	170
55-59	104	120	150
60-64	95	90	120
65-69	71	90	90
70-74	56	60	80
75-79	45	50	50
80-84	27	40	50
85+	23	30	40
Total	1,635	1,690	1,760

Total	2010	2015	2020
0-4	261	210	200
5-9	355	310	250
10-14	300	370	320
15-19	239	250	310
20-24	52	70	70
25-29	28	50	70
30-34	74	90	90
35-39	202	180	150
40-44	304	240	240
45-49	294	320	300
50-54	251	290	320
55-59	182	240	280
60-64	187	160	240
65-69	139	170	150
70-74	99	110	150
75-79	82	80	100
80-84	46	70	80
85+	38	50	60
Total	3,132	3,260	3,380
Median Age	40.9	42.1	44.8

	2010-2015	2015-2020
Births	110	120
Deaths	100	120
Natural Increase	10	0
Net Migration	120	100
Change	130	100

Differences between period Totals may not equal Change due to rounding.



Population Forecast

Fiske Elementary

Males	2010	2015	2020
0-4	147	110	100
5-9	192	160	140
10-14	193	200	170
15-19	428	430	430
20-24	574	590	580
25-29	77	90	80
30-34	61	80	100
35-39	100	100	120
40-44	138	120	130
45-49	162	150	140
50-54	158	170	160
55-59	124	150	160
60-64	125	120	140
65-69	83	110	100
70-74	49	70	100
75-79	41	40	60
80-84	32	40	40
85+	37	30	30
Total	2,721	2,760	2,780

Females	2010	2015	2020
0-4	118	110	100
5-9	188	130	140
10-14	193	200	140
15-19	433	430	430
20-24	412	440	440
25-29	83	90	100
30-34	65	90	100
35-39	117	100	130
40-44	163	140	140
45-49	199	180	150
50-54	178	200	180
55-59	131	170	200
60-64	128	120	160
65-69	78	120	110
70-74	63	70	110
75-79	80	60	60
80-84	86	80	50
85+	146	140	130
Total	2,861	2,870	2,870

Total	2010	2015	2020
0-4	265	220	200
5-9	380	290	280
10-14	386	400	310
15-19	861	860	860
20-24	986	1,030	1,020
25-29	160	180	180
30-34	126	170	200
35-39	217	200	250
40-44	301	260	270
45-49	361	330	290
50-54	336	370	340
55-59	255	320	360
60-64	253	240	300
65-69	161	230	210
70-74	112	140	210
75-79	121	100	120
80-84	118	120	90
85+	183	170	160
Total	5,582	5,630	5,650
Median Age	24.6	25.4	29.3

	2010-2015	2015-2020
Births	190	170
Deaths	210	210
Natural Increase	-20	-40
Net Migration	80	80
Change	60	40

Differences between period Totals may not equal Change due to rounding.



Population Forecast

Hardy Elementary

Males	2010	2015	2020
0-4	96	90	80
5-9	127	130	130
10-14	127	130	130
15-19	89	110	110
20-24	34	30	40
25-29	24	40	30
30-34	33	50	70
35-39	79	70	80
40-44	121	110	90
45-49	144	120	100
50-54	131	140	120
55-59	87	130	130
60-64	102	80	120
65-69	60	80	60
70-74	46	40	60
75-79	44	40	30
80-84	36	10	10
85+	27	10	10
Total	1,406	1,410	1,400

Females	2010	2015	2020
0-4	112	80	80
5-9	136	140	130
10-14	122	140	150
15-19	83	100	120
20-24	28	20	30
25-29	28	40	30
30-34	46	50	60
35-39	113	80	90
40-44	142	140	110
45-49	146	140	140
50-54	120	140	140
55-59	109	120	140
60-64	97	100	110
65-69	82	80	90
70-74	57	60	70
75-79	46	50	60
80-84	45	40	10
85+	39	10	10
Total	1,552	1,530	1,570

Total	2010	2015	2020
0-4	208	170	160
5-9	263	270	260
10-14	249	270	280
15-19	172	210	230
20-24	62	50	70
25-29	52	80	60
30-34	79	100	130
35-39	192	150	170
40-44	262	250	200
45-49	289	260	240
50-54	250	280	260
55-59	196	250	270
60-64	199	180	230
65-69	142	160	150
70-74	103	100	130
75-79	91	90	90
80-84	81	50	20
85+	65	20	20
Total	2,958	2,940	2,970
Median Age	43.8	43.4	43.1

	2010-2015	2015-2020
Births	100	100
Deaths	130	130
Natural Increase	-30	-30
Net Migration	90	80
Change	60	50

Differences between period Totals may not equal Change due to rounding.



Population Forecast

Hunnewell Elementary

Males	2010	2015	2020
0-4	74	90	90
5-9	147	120	120
10-14	175	150	120
15-19	121	160	130
20-24	33	40	40
25-29	32	30	50
30-34	34	40	60
35-39	73	70	80
40-44	104	100	110
45-49	150	110	110
50-54	133	150	110
55-59	130	130	140
60-64	105	120	120
65-69	86	90	110
70-74	76	70	70
75-79	51	70	60
80-84	54	40	60
85+	38	40	40
Total	1,616	1,620	1,620

Females	2010	2015	2020
0-4	94	90	90
5-9	146	140	120
10-14	170	150	140
15-19	983	990	960
20-24	1,232	1,260	1,270
25-29	50	60	70
30-34	55	60	70
35-39	95	90	100
40-44	134	120	130
45-49	165	140	140
50-54	155	160	140
55-59	152	150	160
60-64	125	140	140
65-69	93	120	130
70-74	102	80	100
75-79	71	90	70
80-84	89	70	90
85+	77	90	90
Total	3,988	4,000	4,010

Total	2010	2015	2020
0-4	168	180	180
5-9	293	260	240
10-14	345	300	260
15-19	1,104	1,150	1,090
20-24	1,265	1,300	1,310
25-29	82	90	120
30-34	89	100	130
35-39	168	160	180
40-44	238	220	240
45-49	315	250	250
50-54	288	310	250
55-59	282	280	300
60-64	230	260	260
65-69	179	210	240
70-74	178	150	170
75-79	122	160	130
80-84	143	110	150
85+	115	130	130
Total	5,604	5,620	5,630
Median Age	23.5	23.5	24.0

	2010-2015	2015-2020
Births	150	150
Deaths	200	200
Natural Increase	-50	-50
Net Migration	70	70
Change	20	20

Differences between period Totals may not equal Change due to rounding.



Population Forecast

Schofield Elementary

Males	2010	2015	2020
0-4	132	120	100
5-9	181	170	160
10-14	190	190	170
15-19	127	150	150
20-24	31	40	30
25-29	32	40	60
30-34	51	60	70
35-39	124	100	110
40-44	129	130	120
45-49	172	130	130
50-54	119	170	120
55-59	137	110	160
60-64	129	130	100
65-69	75	110	110
70-74	49	60	100
75-79	35	40	60
80-84	20	30	40
85+	18	20	20
Total	1,752	1,800	1,810

Females	2010	2015	2020
0-4	140	120	100
5-9	186	180	160
10-14	202	190	180
15-19	115	170	150
20-24	48	30	40
25-29	44	60	50
30-34	67	70	90
35-39	137	110	120
40-44	155	140	130
45-49	175	150	140
50-54	161	170	150
55-59	143	150	170
60-64	122	130	140
65-69	84	110	120
70-74	57	80	100
75-79	39	50	70
80-84	38	40	50
85+	26	40	40
Total	1,937	1,990	2,000

Total	2010	2015	2020
0-4	272	240	200
5-9	367	350	320
10-14	392	380	350
15-19	241	320	300
20-24	79	70	70
25-29	76	100	110
30-34	118	130	160
35-39	260	210	230
40-44	283	270	250
45-49	348	280	270
50-54	280	340	270
55-59	280	260	330
60-64	251	260	240
65-69	159	220	230
70-74	106	140	200
75-79	74	90	130
80-84	58	70	90
85+	43	60	60
Total	3,689	3,790	3,810
Median Age	40.7	41.8	43.3

	2010-2015	2015-2020
Births	140	130
Deaths	120	130
Natural Increase	20	0
Net Migration	60	50
Change	80	50

Differences between period Totals may not equal Change due to rounding.



Population Forecast

Sprague Elementary

Males	2010	2015	2020
0-4	149	120	120
5-9	201	190	170
10-14	221	210	200
15-19	138	190	180
20-24	50	40	70
25-29	49	60	50
30-34	90	80	90
35-39	112	140	140
40-44	175	120	150
45-49	208	170	120
50-54	168	200	170
55-59	147	160	190
60-64	135	140	150
65-69	112	120	120
70-74	74	90	100
75-79	67	70	80
80-84	48	60	60
85+	39	40	50
Total	2,182	2,200	2,210

Females	2010	2015	2020
0-4	126	120	110
5-9	206	170	160
10-14	192	210	170
15-19	164	160	190
20-24	64	70	40
25-29	55	70	80
30-34	100	90	100
35-39	161	150	140
40-44	187	170	170
45-49	240	190	170
50-54	198	240	180
55-59	167	190	230
60-64	151	160	180
65-69	127	140	150
70-74	104	110	130
75-79	83	100	110
80-84	70	80	90
85+	104	100	110
Total	2,501	2,520	2,510

Total	2010	2015	2020
0-4	275	240	230
5-9	407	360	330
10-14	413	420	370
15-19	303	350	370
20-24	114	110	110
25-29	104	130	130
30-34	190	170	190
35-39	274	290	280
40-44	363	290	320
45-49	447	360	290
50-54	366	440	350
55-59	314	350	420
60-64	286	300	330
65-69	239	260	270
70-74	178	200	230
75-79	150	170	190
80-84	118	140	150
85+	144	140	160
Total	4,683	4,720	4,720
Median Age	43.6	45.0	45.5

	2010-2015	2015-2020
Births	180	170
Deaths	210	230
Natural Increase	-30	-60
Net Migration	70	60
Change	40	0

Differences between period Totals may not equal Change due to rounding.



Population Forecast

Upham Elementary

Males	2010	2015	2020
0-4	60	50	50
5-9	119	90	80
10-14	149	130	100
15-19	109	130	110
20-24	24	20	20
25-29	14	20	20
30-34	18	30	40
35-39	47	40	60
40-44	76	70	70
45-49	110	90	100
50-54	116	110	90
55-59	107	110	100
60-64	79	100	100
65-69	58	60	90
70-74	27	50	60
75-79	17	20	50
80-84	21	10	20
85+	13	20	20
Total	1,162	1,150	1,180

Females	2010	2015	2020
0-4	61	50	50
5-9	88	90	80
10-14	145	100	100
15-19	115	120	80
20-24	17	20	20
25-29	9	20	20
30-34	24	30	40
35-39	55	50	50
40-44	88	80	80
45-49	122	100	110
50-54	129	120	100
55-59	97	130	120
60-64	80	90	120
65-69	57	70	80
70-74	26	50	60
75-79	22	20	50
80-84	18	20	20
85+	21	20	20
Total	1,171	1,180	1,200

Total	2010	2015	2020
0-4	120	100	100
5-9	207	180	160
10-14	295	230	200
15-19	224	250	190
20-24	41	40	40
25-29	23	40	40
30-34	42	60	80
35-39	101	90	110
40-44	163	150	150
45-49	231	190	210
50-54	245	230	190
55-59	205	240	220
60-64	158	190	220
65-69	114	130	170
70-74	53	100	120
75-79	39	40	100
80-84	39	30	40
85+	34	40	40
Total	2,334	2,330	2,380
Median Age	43.5	45.7	47.9

	2010-2015	2015-2020
Births	70	60
Deaths	80	90
Natural Increase	-10	-30
Net Migration	40	40
Change	30	10

Differences between period Totals may not equal Change due to rounding.