
DEMOGRAPHIC STUDY

for the

EVESHAM TOWNSHIP BOARD OF EDUCATION

Evesham, Burlington County, State of New Jersey

Prepared By:

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Whereas, all New Jersey Public School Districts are required by N.J.A.C. 6A:26-2.1 to prepare a Long Range Facility Plan and,

Whereas, N.J.A.C. 6A:26-2.2 requires the certification of the school district's Long Range Facility Plan demographics by a qualified demographer and,

Whereas, Whitehall Associates, Inc. is considered a qualified demographer by the New Jersey Department of Education.

Therefore, Whitehall Associates, Inc. states that the demographic report it prepared for the Evesham Board of Education was prepared in compliance with the appropriate law and administrative code.

IMPORTANT NOTICE: The enrollments for these demographics begin with the 2013-2014 school year and end with the 2018-2019 school year. The enrollment projections are through the 2023-2024 school year. They take into account the dynamics of the district and may or may not agree with the report posted on the web by the New Jersey Department of Education (NJDOE). The NJDOE report does not take into account some of the dynamics such as residential development or changes in programs. Bernard Piaia, at the NJDOE Office of School Facilities, has agreed to accept this report for review and consideration, if it is submitted in its complete final form, with an original signature, along with the NJDOE cohort survival worksheets for the Long Range Facility Plan.

The original of this report is on electronic file at the offices of Whitehall Associates, Inc. and is available for examination by the appropriate authorities.

For:

WHITEHALL ASSOCIATES, INC.



Joseph Richardson, PhD
President

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INTRODUCTION

Whitehall Associates was retained by the Evesham Board of Education to prepare a demographic study for the Evesham Township School District. The information in this demographic report is suitable for inclusion in any document to be forwarded to the New Jersey Department of Education for matters concerning school facilities.

OVERVIEW OF THE DISTRICT

Evesham Township is a suburban residential community covering 29.53 square miles in Burlington County, New Jersey approximately fifteen miles east of the Philadelphia, Pennsylvania airport. The school district is in District Factor Group I. The Board of Education maintains a PK-8 district. Board offices are located at 25 South Maple Avenue in Marlton. Students in the ninth through twelfth grades attend Cherokee High School which is part of the Lenape Regional High School District.

SPECIAL NOTE CONCERNING THE LONG RANGE FACILITY PLAN SUBMISSION

If the cohort projections, as developed in the New Jersey Department of Education (NJDOE) Long Range Facility Plan (LRFP) electronic data sheets, do not fit a particular district, the correct information may be entered manually. Even so there are some cells on the worksheets that cannot be modified, such as the birth to kindergarten ratio in districts where the birth figures are inaccurate. If a reason exists not to use the birth to kindergarten ratios and some other method is used, such as a regression analysis of the kindergarten

figures, the information may be entered manually. Any modification to the NJDOE worksheets will be fully explained in this report. In some instances there is no way to rectify this report with the NJDOE worksheets. The Office of the Chief of Staff - School Facilities of the NJDOE will accept this report for review and consideration in its final form if submitted, in its entirety, along with the NJDOE worksheets. This report must be submitted with an original signature on page 2.

SPECIAL NOTE CONCERNING PRE-SCHOOL REPORTING

As of June 13, 2008, The NJDOE promulgated N.J.A.C. 6A-13A which established the ground rules for state funded pre-school programs. One of the factors was determining the “universe”. According to the definitions in paragraph 1.2, “Universe of eligible three- and four-year-old children” means all three- and four-year-old general education children eligible for preschool pursuant to the School Funding Reform Act (P.L. 2007, c. 260) in a public school district providing a *universal* or *targeted* pre-school program. This is different than what was previously used by demographers. Previously, the “universe” was considered the maximum number of students that could be expected to be enrolled in pre-school programs. It was generally accepted that this figure would be the live births for that cohort. The NJDOE Data Center now combines the pre-kindergarten figures and list them as **PK**.

Of special concern, at the time this report is being prepared, is the reporting of pre-school students to NJDOE by the district, whose figures are used to prepare this report. Current instructions from NJSMART give an option to the district NOT to report pre-school students under certain circumstances. This can substantially affect

the total enrollment figures and provide a false number of students for which the district must provide space. The problem has been presented to NJDOE by Whitehall and several concerned districts. At this time there is no definitive solution. Whitehall must rely on the district to provide the correct numbers at the time the draft is reviewed or preferably before.

NOTE CONCERNING THE SOURCE OF ENROLLMENT DATA

Official student enrollments are now obtained from the NJSMART data base using the **Program Type Codes**. This was done to standardize reporting and make it simpler for the NJDOE to prepare reports that are needed by Federal, State, and local entities.

The projections for the pre-school students are calculated by the cohort survival method. We have found this to be the most accurate method.

ENROLLMENT DATA AND PROJECTIONS

In studies for the New Jersey Department of Education, enrollment data, by grade, as of October 15th of each year for the past six years is required. A five year enrollment projection based on these data and computed by the cohort survival method is required. The resulting enrollments are used as a factor in determining the adequacy of the educational facilities. Birth figures are obtained from the Center for Health Statistics of the New Jersey Department of Health. Enrollment figures are as described in the previous section. The only special education students in this report are those in self-contained classrooms. Self-contained special education students are defined as

those with 39 percent or less time in regular classes. All other special education students are listed in their respective grades. The self-contained students are grouped together as “ungraded” or “UG”.

In developing a projection of five year enrollments, the cohort survival method has been used as a base. This method is the one required by law and expected by the New Jersey Department of Education unless a cogent reason exists for another method to be used. The use of a different method must be explained and justified to the satisfaction of the Commissioner of Education.

The cohort-survival method acquires its name from the use of grade to grade survival figures derived from a recent history of the school district. Grade survival ratios at each level can then be computed on the basis of the recent years' known enrollment with an average survival ratio per grade determined. Ratios less than one usually reflect such factors as out-transfers, ex-migration from the school district and other such losses. A survival ratio of more than one usually reflects such factors as in-transfers and in-migration. Projections of enrollment can then be made by applying the individual grade by grade survival ratio to each grade level for future years with a base of known enrollments for the present year. In reports for districts with self-contained special education students, projections are made by using the percent of population method. That is, the number of special education students is divided by the total school population to arrive at a percentage for each year. The last year's percentage in Table 2 is used to project the number of special education students reported in Table 3.

With some adaptation to local circumstances, the cohort survival

method is the most accurate we have to project enrollments. In rapidly developing districts, the impact of new residential development must be taken into account. This is accomplished by using data developed by the Center for Urban Policy Research at Rutgers University and Whitehall's research. In Evesham's case there is proposed residential development that will warrant the modification of the cohort survival projections.

MUNICIPAL POPULATION TRENDS

This table lists the population of Evesham Township since 1930.

TABLE 1

The pre-kindergarten data for the district, both the "universe" and the actual is provided. Please refer back to the special comments on page 4 concerning pre-school enrollment projections.

TABLE 2

The district's enrollment history is exhibited wherein the survival ratios mentioned in the preceding paragraphs are developed. Student enrollments used were those provided by the district administration to the New Jersey Department of Education or to Whitehall Associates directly. These figures are for students housed in the district schools and do not include out of district placements. This method is standard and is fully acceptable by the Department of Education and required by law as the source of enrollments. Birth figures were obtained from the Center for Health Statistics of the New Jersey Department of Health (NJDOH). This also is standard and is required

by law.

SPECIAL NOTE REGARDING DECLINING BIRTH RATES

There has been a decrease in the birth rate in Evesham within the past ten years. This has contributed to a marked decrease in the school population. Care must be exercised to keep abreast of these changes and projections should be updated on a yearly basis. Readers are referred to a number of newspaper articles.

There are four *Wall Street Journal* articles. The first is from February 2, 2013 and entitled "America's Baby Bust". The second is from June 26, 2014 and entitled "Generational Race Gap Grows". The third is from December 4, 2014 and entitled "Baby Bust Threatens Growth". The fourth is from May 11, 2016 and entitled "Low Birth Rate Poses Economic Challenge".

There are two *Star Ledger* articles. The first is from March 27, 2015 entitled "Immigrants filling the void as residents flee N.J. by the tens of thousands." The second is from September 4, 2016 entitled "N.J. School enrollment levels off".

Also to be considered is a CNBC article of December 11, 2014 entitled "We Need More Babies! Seriously This Is A Problem".

TABLE 3

This is the main table and is designed to be used in conferences and meetings and conforms to the NJDOE worksheet. It allows the participant to be able to refer to one page rather than searching through a document for more information. The back-up for Table 3 entries will be found in other tables. All calculations are carried to

eight or more decimal places. Since there cannot be fractions of a student, the district totals may vary by one or two students if added manually. These projections can and should be updated every year.

The solid boxed area to the lower left of the table is an area of low confidence in that these children have either not been born or reported. Births in the red dashed boxed area may be shown as a regression, an average of the last eight year's births, or the last known birth figure. In this case we used a regression analysis.

Table 3 shows the live births attributed to Evesham five years prior to the kindergarten year shown.

The projection of student enrollment for the next five years has been made. The total school population is expected to decrease by 409 students or 9.27 percent in the next five years, excluding any residential development impact.

TABLE 4

This table shows the population impact of planned and approved residential development in the district. The name of the development, type, number of units, number of bedrooms and remarks were supplied by Regina Kinney of the Evesham Township Planning Board.

We begin with some assumptions. The cohort survival method assumes that the rate of growth during the period the data is collected will remain the same for the period of population projection. Therefore the rate of growth indicated in Table 2 will carry over to Table 3 in all cases. Now if something were to happen that changes the rate of growth, that event must be taken into account. Residential development is one of those factors. There are several options at

this point:

- a. If the development impact in Table 4 is less than the projected five year increase in student population shown in Table 3, the Table 4 impact is ignored. To do otherwise would be double counting.
- b. If the development impact in Table 4 is more than the projected five year increase in student population shown in Table 3, the net impact is shown on the line labeled **Net Development Impact** in Table 3.
- c. If there is a projected decrease in the student population in Table 3, the entire Table 4 impact is considered and shown on the line labeled **Net Development Impact** in Table 3.
- d. If, within the past five years, there has been no development of the magnitude shown in Table 4, the entire Table 4 impact is considered and shown on a line labeled **Net Development Impact** in Table 3.

Since there is a projected decrease in the student population in Table 3, the entire Table 4 impact is considered and shown on the line labeled **Net Development Impact** in Table 3.

Usually the **Net Development Impact** is added to the last year of enrollment projections. This becomes the planning figure for new facilities. It is understood that the developments could contribute additional students throughout the five year period of projections. However, there is no guarantee as to how many students will be added in any particular year.

**EVESHAM TOWNSHIP
MUNICIPAL POPULATION TRENDS**

LAND AREA = 29.53 Sq. Mi.

YEAR	POPULATION	INCREASE	% INCREASE
1930	1,694		
		-39	-2.30%
1940	1,655		
		466	28.16%
1950	2,121		
		2,427	114.43%
1960	4,548		
		8,929	196.33%
1970	13,477		
		8,031	59.59%
1980	21,508		
		13,801	64.17%
1990	35,309		
		6,966	19.73%
2000	42,275		
		3,263	7.72%
2010	45,538		
		-157	-0.34%
2017	45,381		

TABLE 1
EVESHAM TOWNSHIP SCHOOL DISTRICT
PRE-SCHOOL STUDENT ENROLLMENT HISTORY

YEAR	PK
ACTUAL	
13-14	28
14-15	30
15-16	26
16-17	34
17-18	58
18-19	55
PROJECTED	
19-20	33
20-21	35
21-22	37
22-23	35
23-24	35

PRE-SCHOOL UNIVERSE CALCULATIONS

District Factor Group: 1

Universal Districts = 1st Grade X 2 = 768

Targeted Districts = 1st Grade X 2 X % of free and reduced (K-12) = 83

Number of free and reduced lunches (K-12) = 479

Percent of free and reduced lunches = 10.86

NOTES:

1. The method for Pre-school universe calculations shown to the left above is that required by the NJDOE Pre-School Education Office.
2. The table to the right is a cohort survival calculation of regular pre-school enrollments as of the 2018-19 school year, exclusive of Pre-K handicapped. Pre-K handicapped students are accounted for with the "UNGRADED" students.
3. Please read the narrative concerning the Pre-school projections.

**TABLE 2
EVESHAM TOWNSHIP SCHOOL DISTRICT
STUDENT ENROLLMENT HISTORY**

School Year	Births 5 Yrs. Ago	PK	K	1st Gr.	2nd Gr.	3rd Gr.	4th Gr.	5th Gr.	6th Gr.	7th Gr.	8th Gr.	UNGRADED	DISTRICT TOTAL
2013-14	514	0.06 28	0.76 391	1.18 435	1.00 459	1.00 473	0.99 476	1.03 471	1.02 519	1.02 512	1.00 514	316	4594
2014-15	439	0.06 30	0.80 352	1.16 463	0.99 433	1.02 459	1.00 468	1.03 491	1.00 479	1.00 528	1.00 513	335	4551
2015-16	477	0.05 26	0.71 341	1.22 409	0.98 460	1.02 442	1.07 458	1.02 482	1.02 493	1.02 480	0.99 526	323	4440
2016-17	479	0.08 34	0.67 322	1.26 417	0.99 402	1.02 467	1.03 474	1.03 468	1.04 501	1.04 501	1.02 475	344	4405
2017-18	450	0.12 58	0.73 330	1.16 405	1.04 413	1.03 412	1.02 480	1.02 486	1.02 482	1.02 522	1.01 509	329	4426
2018-19	489	0.13 55	0.76 374	1.16 384	1.04 420	1.03 426	1.02 421	1.02 490	1.02 494	1.02 491	1.01 527	327	4409
Average Survival Ratio		0.08	0.74	1.20	1.00	1.02	1.02	1.03	1.02	1.02	1.00		

**TABLE 3
EVESHAM TOWNSHIP SCHOOL DISTRICT
STUDENT ENROLLMENT PROJECTIONS**

School Year	Births 5 Yrs. Ago	PK	K	1st Gr.	2nd Gr.	3rd Gr.	4th Gr.	5th Gr.	PK-5 Total	6th Gr.	7th Gr.	8th Gr.	6-8 Total	UNGRADED	DISTRICT TOTAL
2019-20	440	33	0.74 326	448	384	428	435	432	2486	500	504	492	1496	319	4301
		0.08		1.20	1.00	1.02	1.02	1.03		1.02	1.02	1.00			
2020-21	391	35	290	391	448	391	437	447	2438	441	510	505	1456	312	4206
2021-22	419	37	311	347	391	456	400	448	2390	456	450	511	1417	305	4112
2022-23	440	35	326	372	347	398	466	410	2355	458	465	451	1374	299	4028
2023-24	425	35	315	391	372	354	407	478	2352	419	467	466	1352	297	4000
NET DEVELOPMENT IMPACT		3	23	29	29	30	32	33	178	34	35	35	104	23	305
2023-24 TOTAL ENROLLMENT		38	339	420	401	384	438	511	2530	452	502	502	1456	319	4305

- NOTES:**
1. Births in the dashed box were calculated by a regression analysis. Students in that year group have not been born or reported to date.
 2. The solid boxed area to the lower left of the table is an area of low confidence in that these children have not been born or reported to date.
 3. All calculations are carried to eight or more decimal places. Since there cannot be fractions of a student, the district total may vary by one or two students if added manually.
 4. The line **2023-24 TOTAL ENROLLMENT** must be entered manually into the Long Range Facility Plan Worksheet along with the explanation that the normal cohort did not consider residential development impact.

TABLE 4-1
EVESHAM TOWNSHIP
RESIDENTIAL DEVELOPMENT IMPACT (as of January 2019)

APPROVED DEVELOPMENTS	DEVELOPER / BUILDER	TYPE OF UNIT	NUMBER OF		REMARKS	K-8 STUDENTS
			UNITS	BEDROOMS		
Hayverhill	MiPro Homes	Single family detached	23	4		14
Devonforde Estates (I and II)	Timber Ridge/Ryan	Single family detached	21	4		12
Sanctuary	Developer PlanLand	Single family detached	26	4		15
Bradley Minor Subdivision	Bradley	Single family detached	2	4		1
Jim Messina	Messina	Single family detached	2	4		1
		Single family detached	1	4	affordable	0
Pine Grove- Another Option/Jim Tarzy	Unknown	Single family detached	3	4		2
Windingbrook/Krysta Enterprises	Krysta/JP Orleans	Single family attached	58	3		16
	Krysta/JP Orleans		4	2	affordable	1
	Krysta/JP Orleans		2	3	affordable	2
Testa Farm/Berkshire Woods	Timber Ridge	Single family attached	36	3		10
Barclay Chase	Fieldstone Associates	apartments	22	1		4
	Fieldstone Associates		103	2		31
	Fieldstone Associates		7	1	affordable	1
	Fieldstone Associates		25	2	affordable	17
	Fieldstone Associates		8	3	affordable	11
Renaissance Square	Evesham Owner, LLC	apartments	163	1		28
	Evesham Owner, LLC		141	2		42
	Evesham Owner, LLC		7	1	affordable	1
	Evesham Owner, LLC		20	2	affordable	14
	Evesham Owner, LLC		7	3	affordable	10
Another Option - Third Street		Single family detached	2	4	no permits	1
PAGE TOTAL						235

**TABLE 4-2
EVESHAM TOWNSHIP
RESIDENTIAL DEVELOPMENT IMPACT**

APPROVED DEVELOPMENTS	TYPE OF UNIT	NUMBER OF		REMARKS	K-8 STUDENTS
		UNITS	BEDROOMS		
Evesham Family Apartments	Multifamily (5+ units - rent)	12	1	affordable	2
	Multifamily (5+ units - rent)	36	2	affordable	24
	Multifamily (5+ units - rent)	16	3	affordable	22
Evesham Senior Apartments	Multifamily (5+ units - rent)	63	1	affordable - age restricted	0
	Multifamily (5+ units - rent)	5	2	affordable - age restricted	0
Eleanor McKenna	Multifamily (5+ units - rent)	13	1		1
	Multifamily (5+ units - rent)	10	2		2
Marlton MJ - Harvest House	Multifamily (5+ units - rent)	20	1		1
	Multifamily (5+ units - rent)	4	1	affordable	1
	Multifamily (5+ units - rent)	21	2		5
	Multifamily (5+ units - rent)	4	2	affordable	3
	Multifamily (5+ units - rent)	2	3		1
Burlco-Country Club Estates	Single Family - Detached	16	4		9
PAGE TOTAL					71
GRAND TOTAL					305

NOTES:

1. The name of the development, type, number of units, number of bedrooms, and remarks were supplied by Regina Kinney of the Evesham Township Community Development Department.
2. All calculations are carried to eight or more decimal places. Since there cannot be fractions of a student, the district total may vary by one or two students if added manually.
3. The "Jim Messina" project, listed in Table 4-1, has one single family, four bedroom listed as affordable. This is a group home with four bedrooms, therefore no children are involved.
4. If there is a projected decrease in student population in Table 3, the entire Table 4-2 impact is considered and shown on the line labeled **NET DEVELOPMENT IMPACT** in Table 3.
5. Any **NET DEVELOPMENT IMPACT** must be added to the normal 2023-24 projection and entered manually into the Long Range Facility Plan Worksheet along with an appropriate explanation.