

Demographic Study Summary

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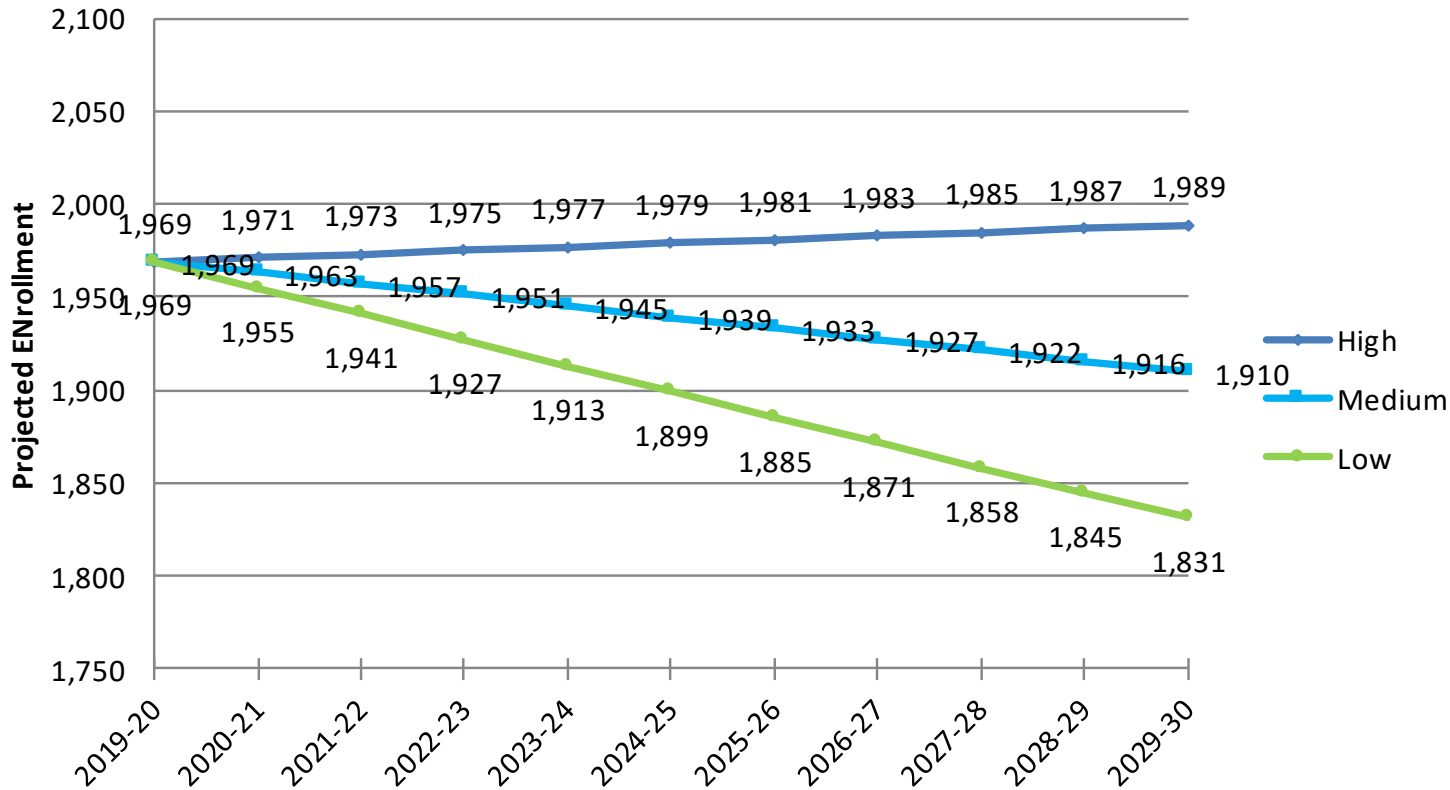
Our credentials

Why we can give an opinion

- Completed more than 200 studies and school district projects in 12 states since 2004.
 - 10 years as a reporter, 5 years in Washington
 - Master's in Public Administration and Statistics
 - 2 years as a performance auditor for City of Kansas City.
 - 10 years as a data manager

Key Findings

District Enrollment Projections



Key Findings

Our high-end growth is an increase of 1 percent overall the next 10 years, medium range is -5% and low-end is -7%.

Enrollment Projections for the Oak Grove School District (2021-2030)											
District	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
High	1,969	1,971	1,973	1,975	1,977	1,979	1,981	1,983	1,985	1,987	1,989
Medium	1,969	1,963	1,957	1,951	1,945	1,939	1,933	1,927	1,922	1,916	1,910
Low	1,969	1,955	1,941	1,927	1,913	1,899	1,885	1,871	1,858	1,845	1,831
Oak Grove HS	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
High	610	585	563	588	596	607	616	619	613	636	638
Medium	610	582	559	581	586	595	601	602	594	614	613
Low	610	580	554	574	577	582	586	585	574	591	588
Oak Grove MS	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
High	451	484	496	483	481	480	496	492	496	478	480
Medium	451	482	492	477	473	471	484	478	481	461	461
Low	451	480	488	471	465	461	472	464	465	444	442
Maple ES	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
High	454	450	460	471	466	463	443	445	448	447	446
Medium	454	448	456	466	458	454	432	433	434	431	428
Low	454	446	452	460	450	444	422	420	419	415	411
Oak Grove PS	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
High	454	452	454	433	435	429	426	426	427	425	425
Medium	454	451	450	428	428	420	415	414	414	410	408
Low	454	449	446	422	421	411	405	402	400	395	391

Key Findings

Why there isn't enrollment growth?

Birth rates have fallen by 17% during the last 10 years.

In 2003, there were 215 births and in 2008 Kindergarten enrollment was 163.

In 2014, there were 167 births and in 2019 enrollment was 160, virtually the same.

Key Findings

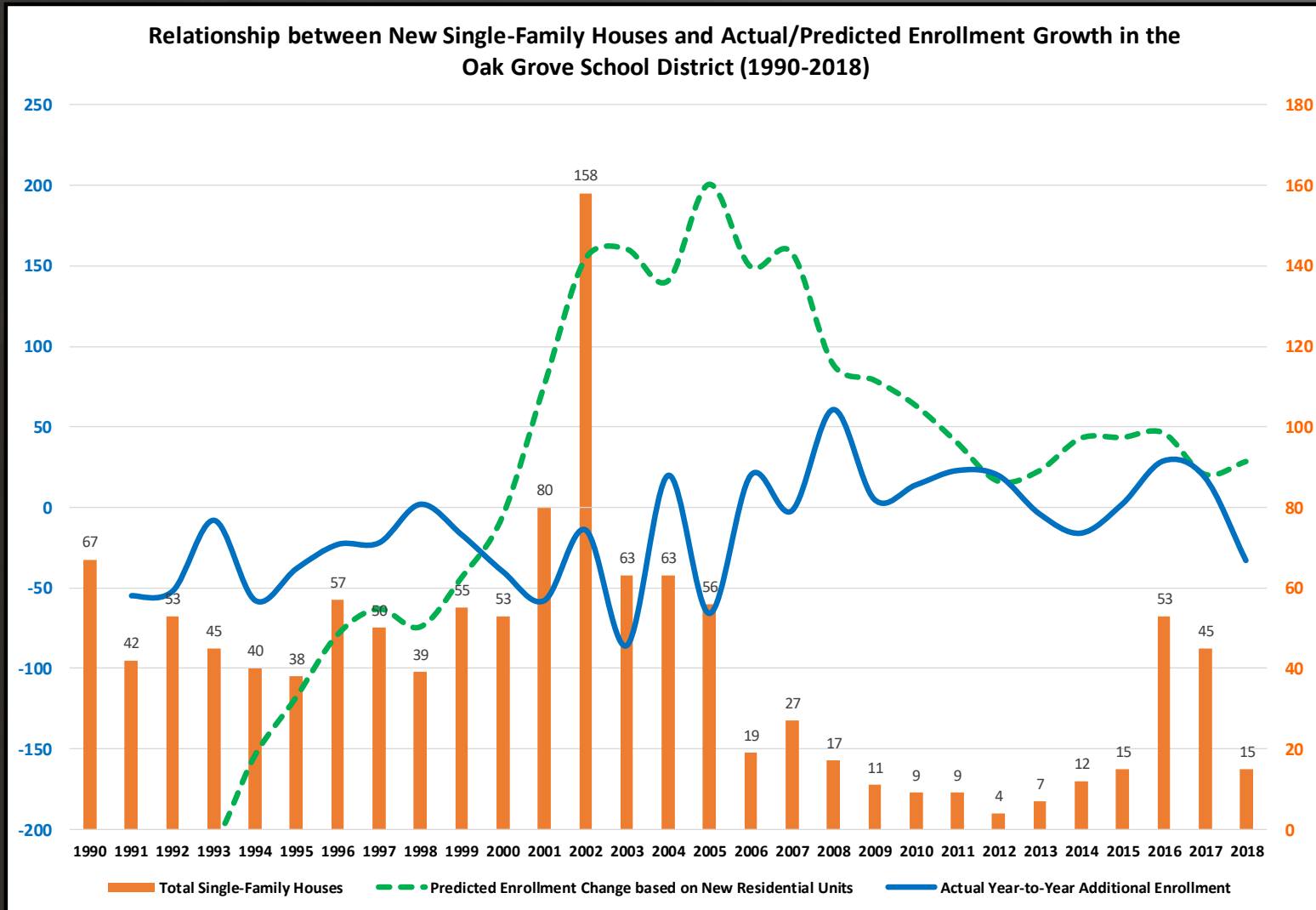
Why there isn't enrollment growth?

- The best demographic data predicts that during the number of school-age children should decrease by 12 percent by 2028, or 251 students.
- But the overall population is predicted to increase by 4.5 percent, or 516 persons.

Statistically,
whenever a new
house is built in the
district, the district's
enrollment goes
down.

Year	New Single Family Houses Built (Jackson and Lafayette Counties)	Enrollment Change Year to Year	Actual Enrollment	Predicted Enrollment Change	Variance (Actual-Predicted Change)	Ratio of New Students to New Houses
1990	67		1,591	1,896	-305	0.000
1991	42	-55	1,646	1,917	-271	-1.310
1992	53	-52	1,698	1,908	-210	-0.981
1993	45	-8	1,706	1,914	-208	-0.178
1994	40	-58	1,764	1,919	-155	-1.450
1995	38	-38	1,802	1,920	-118	-1.000
1996	57	-23	1,825	1,904	-79	-0.404
1997	50	-22	1,847	1,910	-63	-0.440
1998	39	2	1,845	1,919	-74	0.051
1999	55	-17	1,862	1,906	-44	-0.309
2000	53	-40	1,902	1,908	-6	-0.755
2001	80	-58	1,960	1,885	75	-0.725
2002	158	-14	1,974	1,820	154	-0.089
2003	63	-86	2,060	1,899	161	-1.365
2004	63	20	2,040	1,899	141	0.317
2005	56	-66	2,106	1,905	201	-1.179
2006	19	20	2,086	1,936	150	1.053
2007	27	-2	2,088	1,929	159	-0.074
2008	17	61	2,027	1,938	89	3.588
2009	11	5	2,022	1,943	79	0.455
2010	9	14	2,008	1,945	63	1.556
2011	9	23	1,985	1,945	40	2.556
2012	4	20	1,965	1,949	16	5.000
2013	7	-4	1,969	1,946	23	-0.571
2014	12	-16	1,985	1,942	43	-1.333
2015	15	2	1,983	1,940	43	0.133
2016	53	29	1,954	1,908	46	0.547
2017	45	19	1,935	1,914	21	0.422
2018	15	-33	1,968	1,940	28	-2.200
Average	41	-13	1,917	1,917	0	-0.325

There is an erratic relationship between new houses built and new enrollment.



Year Houses were Built, based on Lafayette and Jackson County Assessor Data

Year Built	Households of Students		District Residents Overall	
	Number	Percentage	Number	Percentage
Before 1900	7	0.3%	79	2.4%
1900-1910	40	2.0%	49	1.5%
1911-1920	17	0.8%	32	1.0%
1921-1930	13	0.6%	25	0.8%
1931-1940	12	0.6%	22	0.7%
1941-1950	19	0.9%	47	1.4%
1951-1960	75	3.7%	110	3.4%
1961-1970	156	7.7%	281	8.6%
1971-1980	370	18.2%	801	24.4%
1981-1985	62	3.1%	98	3.0%
1986-1990	105	5.2%	221	6.7%
1991-1995	110	5.4%	211	6.4%
1996-2000	137	6.8%	254	7.7%
2001	55	2.7%	80	2.4%
2002	94	4.6%	157	4.8%
2003	19	0.9%	62	1.9%
2004	38	1.9%	62	1.9%
2005	33	1.6%	53	1.6%
2006	13	0.6%	19	0.6%
2007	5	0.2%	24	0.7%
2008	1	0.0%	13	0.4%
2009	6	0.3%	9	0.3%
2010	3	0.1%	6	0.2%
2011	2	0.1%	7	0.2%
2012	2	0.1%	4	0.1%
2013	0	0.0%	6	0.2%
2014	5	0.2%	12	0.4%
2015	2	0.1%	15	0.5%
2016	7	0.3%	40	1.2%
2017	4	0.2%	26	0.8%
2018	0	0.0%	3	0.1%
Not Assigned	616	30.4%	455	13.9%
Grand Total	2,028	100.0%	3,283	100.0%

We could document that only 1.58 percent of the Oak Grove students live in houses built within the last 10 years.

One-third of students live in houses built between 1961 and 1990.

Market Value of Houses, based on Lafayette and Jackson County Assessor Data

Market Value	Households of Students		District Residents Overall	
	Number	Percentage	Number	Percentage
\$0-\$50,000	42	2.1%	444	13.5%
\$50,000-\$75,000	55	2.7%	216	6.6%
\$75,000-\$100,000	103	5.1%	279	8.5%
\$100,000-\$150,000	762	37.6%	1,387	42.2%
\$150,000-\$200,000	256	12.6%	496	15.1%
\$200,000-\$250,000	97	4.8%	222	6.8%
\$250,000-\$300,000	79	3.9%	136	4.1%
\$300,000-\$350,000	41	2.0%	58	1.8%
\$350,000-\$400,000	13	0.6%	31	0.9%
\$400,000-\$450,000	3	0.1%	9	0.3%
\$450,000-\$500,000	0	0.0%	2	0.1%
Over \$500,000	2	0.1%	3	0.1%
Not Assigned	575	28.4%	0	0.0%
Grand Total	2,028	100.0%	3,283	100.0%

Home Square Footages, based on Lafayette and Jackson County Assessor Data

Sq. Footage	Households of Students		District Residents Overall	
	Number	Percentage	Number	Percentage
Under 1,000	69	3.4%	160	4.9%
1,000-1,100	324	16.0%	648	19.7%
1,101-1,200	144	7.1%	250	7.6%
1,201-1,300	115	5.7%	253	7.7%
1,301-1,400	90	4.4%	209	6.4%
1,401-1,500	149	7.3%	257	7.8%
1,501-1,600	90	4.4%	180	5.5%
1,601-1,700	47	2.3%	139	4.2%
1,701-2,000	146	7.2%	315	9.6%
2,001-2,200	78	3.8%	135	4.1%
2,201-2,400	50	2.5%	79	2.4%
2,401-3,000	68	3.4%	122	3.7%
3,001-3,500	23	1.1%	35	1.1%
3,501-4,000	4	0.2%	18	0.5%
4,001-5,000	3	0.1%	7	0.2%
Over 5,000	12	0.6%	21	0.6%
Not Assigned	616	30.4%	455	13.9%
Grand Total	2,028	100.0%	3,283	100.0%

Half the students live in houses valued between \$100,000 and \$200,000. 40% of students live in homes or apartments that are between 1,000 sq. ft. to 1,500 sq. ft.



Key Findings

There are plenty of open lots in the district for development.

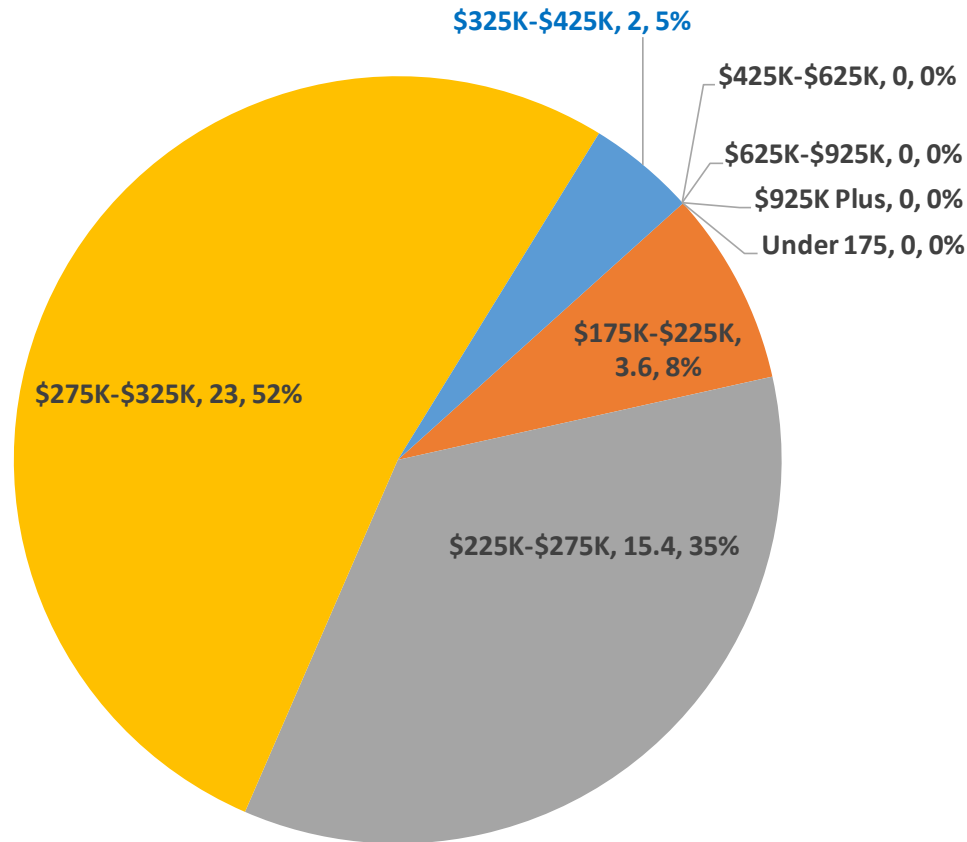
SubdivisionName	OCCUPIED	NFU--Newly Finished Unoccupied	UCN--Under Construction	DVL-- Developed Lot	UDVL-- Undeveloped Lot	Total Lots
Bountiful	13	0	1	29	0	43
Cedar Ridge Heights	0	0	2	5	0	7
Edgewood Estates	60	4	1	7	18	90
Lilas Landing	9	1	5	1	0	16
Mockingbird Hill Estates	3	0	0	3	0	6
North Creek	0	0	0	39	207	246
Oaks of Edgewood	275	3	10	38	292	618
White Oaks Crossing	0	0	0	16	610	626
TOTAL	360	8	19	138	1,127	1,652



Key Findings

However, new house prices are far higher than average student house values. Only 5 percent of the students live in houses in this price range.

Current Price Ranges of New Homes in the Oak Grove School District



Data from MarketGraphics Research Group



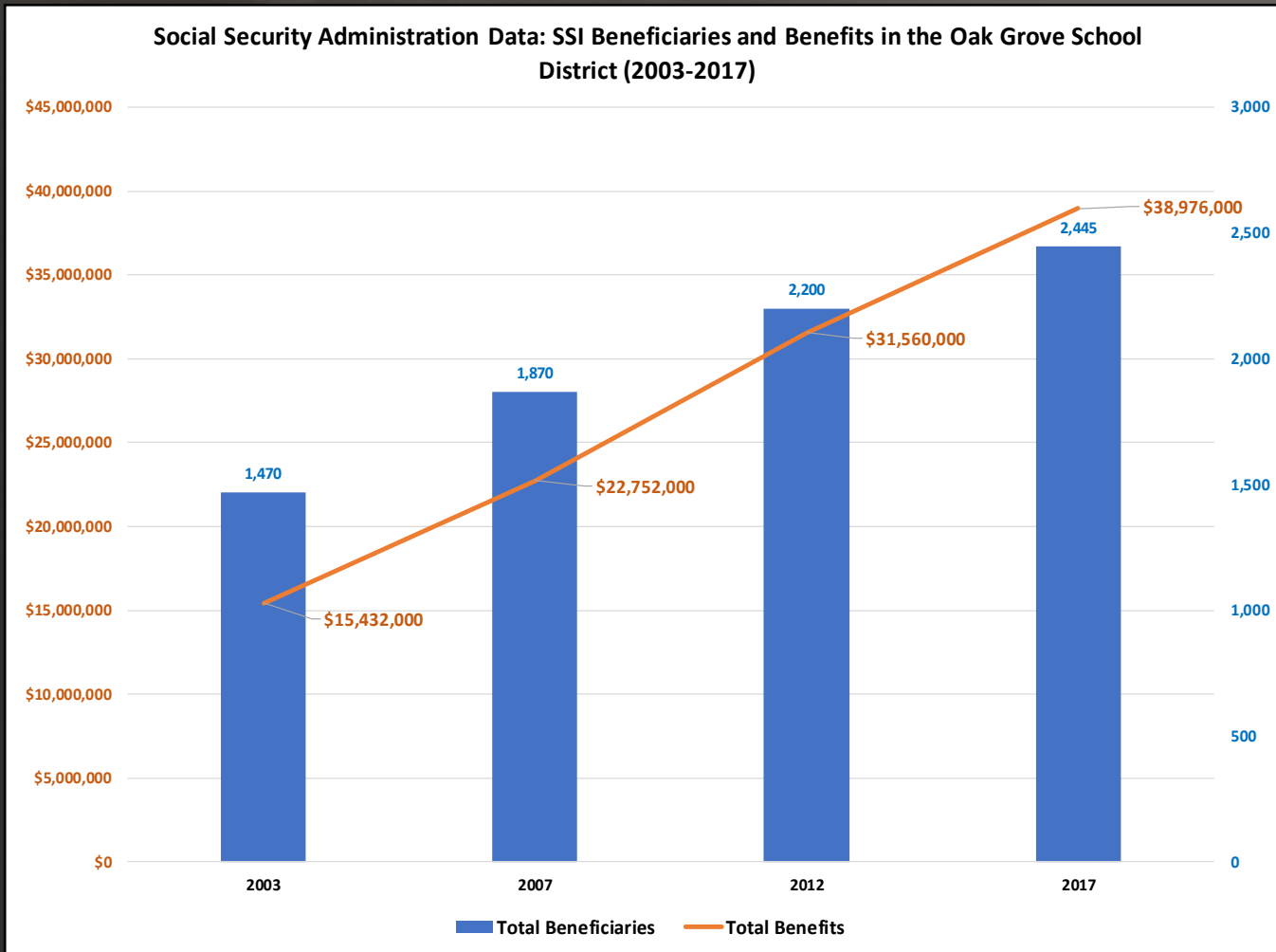
Key Findings

Comparison of Kansas City Metro Employment, and Oak Grove District					
Year	Kansas City Metro Area Employment (Sept of each year)	Actual K-12 Enrollment (Sept of each year)	Predicted K-12 Enrollment	Variance	%
1990	821,559	1,570	1,731	-161	-10.3%
1991	829,688	1,591	1,741	-150	-9.4%
1992	831,944	1,646	1,744	-98	-5.9%
1993	849,819	1,698	1,766	-68	-4.0%
1994	886,032	1,706	1,811	-105	-6.1%
1995	907,277	1,764	1,837	-73	-4.1%
1996	919,347	1,802	1,852	-50	-2.8%
1997	935,950	1,825	1,872	-47	-2.6%
1998	957,356	1,847	1,899	-52	-2.8%
1999	960,413	1,845	1,903	-58	-3.1%
2000	939,401	1,862	1,877	-15	-0.8%
2001	934,075	1,902	1,870	32	1.7%
2002	932,214	1,960	1,868	92	4.7%
2003	938,352	1,974	1,875	99	5.0%
2004	944,702	2,060	1,883	177	8.6%
2005	953,972	2,040	1,895	145	7.1%
2006	962,402	2,106	1,905	201	9.5%
2007	973,136	2,086	1,918	168	8.0%
2008	962,319	2,088	1,905	183	8.8%
2009	939,562	2,027	1,877	150	7.4%
2010	989,825	2,022	1,939	83	4.1%
2011	995,835	2,008	1,946	62	3.1%
2012	1,011,243	1,985	1,965	20	1.0%
2013	1,015,279	1,965	1,970	-5	-0.3%
2014	1,037,677	1,969	1,998	-29	-1.5%
2015	1,059,784	1,985	2,025	-40	-2.0%
2016	1,074,456	1,983	2,044	-61	-3.1%
2017	1,093,371	1,954	2,067	-113	-5.8%
2018	1,097,358	1,935	2,072	-137	-7.1%
2019	1,134,619	1,968	2,118	-150	-7.6%

Statistically, for every 786 new jobs in the Kansas City metro, there is one new student enrolled in the district's schools.



Key Findings

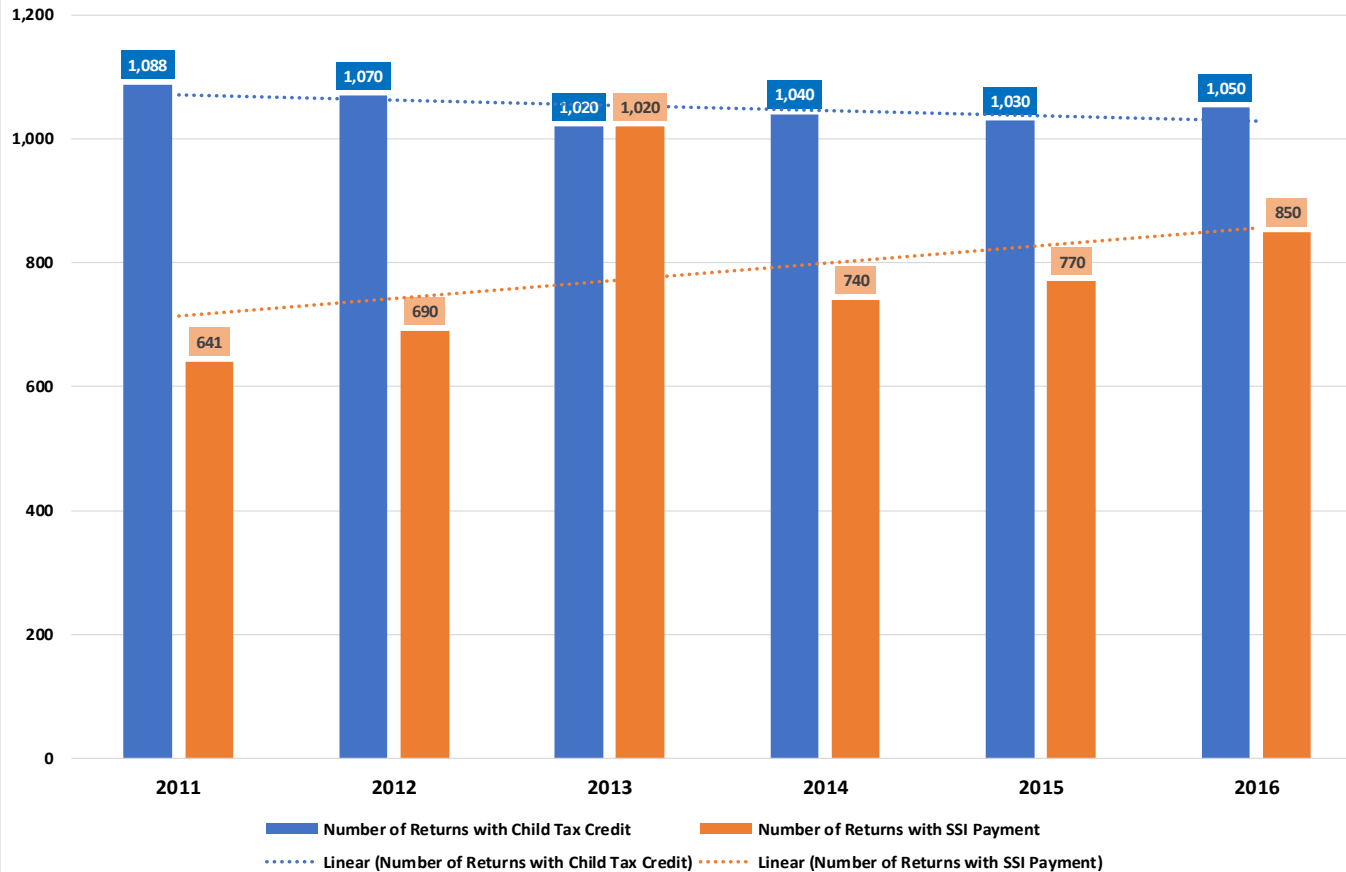


In districts where retirees are moving out and young families with children move in, SSI payments decrease over time.

That isn't happening in this district.

Key Findings

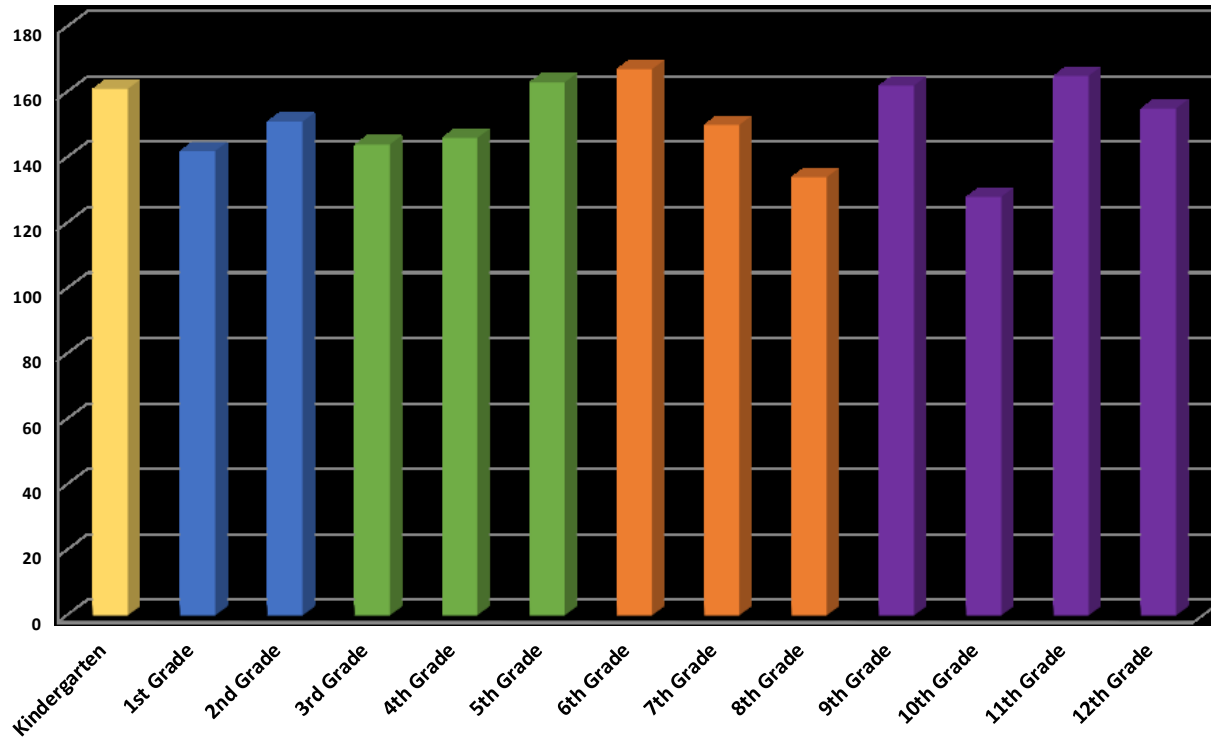
Comparison of IRS Tax Return Data in the Oak Grove School District:
Number of Returns with Child Tax Credits vs SSI Payments (2011-2016)



Federal tax returns showing any claim of child deductions and SSI payments, since 2011.

Key Findings

Grade Distribution for the Oak Grove School District (2019-20)



If the district's enrollment were growing, we'd see larger enrollments in the elementary than in the secondary. That is not the case.

Key Findings

School	Grades	2019-20 Enrollment	2018-19 Square Footage per Building	Gross Square Footage per Student	Square Footage Per Student Standard	Variance	Square Footage Advantage/ Disadvantage	Estimated Enrollment Capacity	Additional Number of Students Possible
Oak Grove Primary	K-1	454	54,885	121	110	11	9.9%	499	45
Oak Grove Elementary	2-5	453	63,725	141	110	31	27.9%	579	126
Oak Grove Middle	6-8	451	85,425	189	130	59	45.7%	657	206
Oak Grove High	9-12	610	100,995	166	160	6	3.5%	631	21
4			305,030	155				2,367	

Plenty of space to spare currently.

School	Grades	2028-29 Projected Enrollment	2018-19 Square Footage per Building	Gross Square Footage per Student	Square Footage Per Student Standard	Variance	Square Footage Advantage/ Disadvantage	Estimated Enrollment Capacity	Additional Number of Students Possible
Oak Grove Primary	K-1	425	54,885	129	110	19	17.4%	499	74
Oak Grove Elementary	2-5	446	63,725	143	110	33	29.9%	579	133
Oak Grove Middle	6-8	480	85,425	178	130	48	36.9%	657	177
Oak Grove High	9-12	638	100,995	158	160	-2	-1.1%	631	-7
4		1,989	305,030	153				2,367	

In 10 years, under our most optimistic growth scenario, there will still be plenty of space for students.