



Park Hill School District

# DEMOGRAPHIC PROFILE

## & ENROLLMENT PROJECTIONS

2023-2024

Prepared by the Business Services Department  
of the Park Hill School District &  
Business Information Services, LLC  
Spring, 2024







# Park Hill School District

Building Successful Futures • Each Student • Every Day

## **2023-2024 Demographic Profile & Enrollment Projections of the Park Hill School District**

March 2024

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Prepared by the  
Business Services Department of the Park Hill School District &  
Business Information Services, LLC

*This document is available for download at  
<http://www.parkhill.k12.mo.us/>  
District Information - Data and Reports - Demographic Profile*



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# Park Hill School District

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# Park Hill School District

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## EXECUTIVE SUMMARY

The *Demographic Profile & Enrollment Projections of the Park Hill School District* is produced annually to assist school district leaders and planners in annual budgeting, review of district attendance boundaries, and long-range facility planning efforts.

The following reflects some of the significant data points found within the 2023-2024 Demographic Profile:

- Park Hill's K-12 student enrollment for 2023-2024 is 11,573. This is a 0.42% decrease from the prior year. This is the largest decrease in K-12 enrollment in Park Hill since 1984 (-1.29%). [[More Info](#)]
- The district's 2023-2024 budget was prepared with a forecasted K-12 enrollment of 11,659, which is 86 more than the actual student enrollment. Almost half of this difference (39 students) is within the kindergarten cohort, which was budgeted for 817 students, with an actual enrollment of 778.
- The estimated population of the communities that make up Park Hill School District is 79,984 with the populations within the municipality of the city of Kansas City and the unincorporated portions of Platte County making approximately 80% of the population. [[More Info](#)]
- Based on 2023-2024 K-12 enrollment, Park Hill School District is the 16<sup>th</sup> largest school district in Missouri. Since 2017-2018, the Park Hill School District has moved from 18<sup>th</sup> largest to 16<sup>th</sup> largest school district in Missouri, surpassing the St. Joseph and Fox C-6 school districts in total student enrollment. [[More Info](#)]
- Of twelve suburban Kansas City, Missouri school districts . . .
  - North Kansas City (+1,499), Park Hill School District (+1,072) and Liberty (+602) have grown by the highest number of students over the last 10 years. [[More Info](#)]
  - Park Hill ranks second in estimated college graduates or professional degrees within the district population (53.0%). [[More Info](#)]
  - Park Hill ranks first in estimated median home value (\$386,267). Lee's Summit ranks second with a median home value of \$369,592. [[More Info](#)]
  - Raytown has the highest total property tax rate of \$6.3200 per \$100 of assessed valuation. Lee's Summit ranks the lowest with a total rate of \$4.7112. Of the twelve districts, Park Hill's total tax rate of \$5.3955 ranks as the seventh highest. [[More Info](#)]
- Two of thirteen grade levels in 2023-2024 are at their highest enrollment ever (10<sup>th</sup> grade, 11<sup>th</sup> grade). Total aggregate enrollment in high school grades (9-12) is at a historical high (3,835). [[More Info](#)]
- 2023-2024 elementary school program enrollments range from 348 (Line Creek) to 600 (Union Chapel). Middle school enrollments range from 623 (Congress) to 743 (Walden). The enrollment difference between Park Hill High School (1,617) and Park Hill South (1,634) is 17 students. [[More Info](#)]
- The ethnic diversity of student enrollment continues to increase with non-white populations currently making up 37.9% of the total student enrollment (an all-time high). [[More Info](#)]
- The percentage of students qualifying for free and reduced lunch through the National School Lunch Program is 27.0%, up slightly from the year prior (26.41%). [[More Info](#)]
- The mobility of students decreased slightly from the prior year. Currently, 9.1% of students have been in the school district for less than one year, and 16.5% less than two years. This statistic excludes kindergarteners and first graders. [[More Info](#)]
- The district is budgeting for an expected K-12 enrollment of 11,524 for 2024-2025. This reflects an enrollment decline of 49 students, 0.4%. [[More Info](#)]



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# Park Hill School District

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## INTRODUCTION

### ABOUT THE 2023-2024 DEMOGRAPHIC PROFILE & ENROLLMENT PROJECTIONS

The purpose of the 2023-2024 Demographic Profile & Enrollment Projections of the Park Hill School District is to provide Park Hill School District patrons, business leaders, civic organizations, and other interested persons with detailed demographic and socioeconomic information about the Park Hill School District and Park Hill community. The demographic profile includes historical information, current trends, and future enrollment projections that assist district leaders in annual budgeting, review of district attendance boundaries, and long-range planning efforts.

Enrollment data presented in this report was compiled from Park Hill School District core data and through historical figures maintained by the Missouri Department of Elementary and Secondary Education. Data used in this report comes from multiple sources, including:

- 2020 decennial United States Census compiled by the United States Census Bureau
- Missouri Department of Health and Senior Services
- Missouri Spatial Data Information Service
- STI: POPSTATS projections from Synergos Technologies, Inc.

This report is divided into four major parts: (1) Introduction (2) Student Enrollment, (3) Supporting Demographic Data, and (4) Future Enrollment Projections.

## ABOUT THE PARK HILL SCHOOL DISTRICT

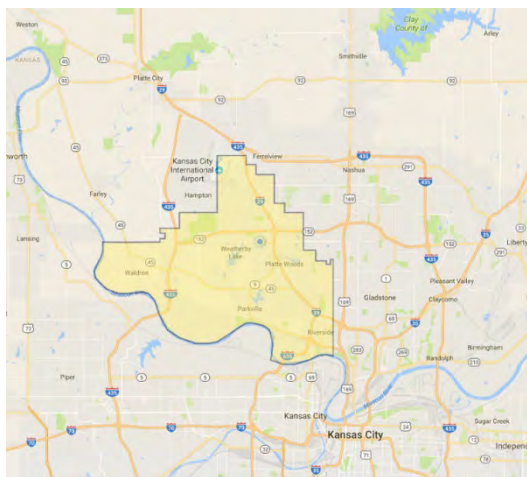
Park Hill School District (PHSD) is a public school district, with pre-kindergarten (pre-K) programs through grade 12. The district includes eleven K-5 elementary schools, four 6-8 middle schools, two 9-12 high schools, a day treatment school (Russell Jones Education Center), and an early childhood education center (Gerner Family Early Education Center). As a part of the district's long-range facility planning to support enrollment growth, Angeline Washington Elementary is planned to open in August, 2025.

Other support facilities in the Park Hill School District include a district Aquatic Center, Support & Transportation Services, and the District Office. As a part of the district's long-range facility planning to support enrollment growth, the district opened the LEAD Innovation Studio in a new facility in fall 2020. This 9-12 high school program serves students from the existing two high schools. PHSD's Gerner Family Early Education Center (GFEEC) provides fee-based educational services for pre-K students (ages 3-5), early childhood special education (ECSE) students, and English Language Learners (ELL), Head Start, and supports Parents as Teachers (PAT).

PHSD also offers an array of community services including Adventure Club (Day Care), Pre-School, and Community Education.

## DISTRICT GEOGRAPHY

The Park Hill School District, formally organized in 1951 under the provisions of Missouri's School Reorganization Statute of 1948, encompasses 73 square-miles located in the southern third of Platte County, located just north of downtown Kansas City, Missouri. The Missouri River forms the southern and western boundaries of the district and also delineates the state line between Missouri and Kansas. The northern boundary



meanders in stair-step fashion from Northwest 76th Street and the Clay County line to Northwest 120th Street, the northern most point of the district. The northern boundary divides the Kansas City International Airport. The new KCI terminal is just west of the district boundary in the Platte County R-3 School District, the neighboring district to the north.



Stair-step fashion from Northwest 76th Street and the Clay County line to Northwest 120th Street, the northern most point of the district. The northern boundary divides the Kansas City International Airport. The new KCI terminal is just west of the district boundary in the Platte County R-3 School District, the neighboring district to the north.

## DISTRICT MUNICIPALITIES

Predominantly rural-oriented in the past, the district has steadily changed to a more suburban type district, blending both residential and commercial growth. Approximately 43% of the school district lies within the city limits of Kansas City, Missouri. There are seven other incorporated communities: Parkville, Lake Waukomis, Houston Lake, Northmoor, Riverside, Platte Woods, Weatherby Lake, and the unincorporated communities of Waldron and Platte County. The 2000, 2010 and 2020 U.S. Census for each of these communities is listed in the table below. In addition, estimates of the 2023 population are provided.

Community	2000 Population	2010 Population	2020 Population	Estimated 2023 Population	% Growth 2000-2023	Projected 2033 Population	% Estimated Growth 2023-2033
Parkville	4,189	5,554	7,117	7,944	90%	10,120	27%
Lake Waukomis	918	870	888	742	-19%	835	13%
Kansas City (within PHSD)	33,270	37,100	45,293	47,891	44%	57,844	21%
Houston Lake	284	235	229	222	-22%	279	26%
Northmoor	399	325	291	452	13%	547	21%
Riverside	2,979	2,937	4,013	4,374	47%	5,459	25%
Platte Woods	474	385	394	783	65%	938	20%
Unincorporated Platte County (estimated)	9,899	13,132	14,002	15,361	55%	21,146	38%
Weatherby Lake	1,873	1,723	2,077	2,215	18%	2,851	29%
<b>Park Hill School District</b>	<b>54,285</b>	<b>62,261</b>	<b>74,304</b>	<b>79,984</b>	<b>47.3%</b>	<b>100,019</b>	<b>25.0%</b>

Nearly 80% of the school district's population resides in the city of Kansas City and the unincorporated portion of the school district.

Estimated 2023 population analysis shows a 47.3% population growth in the Park Hill School District since 2000. This is strong, and nearly twice the national population growth rate during the last decade.

## DISTRICT MAPS

The following pages include the following maps of the Park Hill School District:

**Map of Area School Districts.** This map shows school districts that surround the Park Hill School District on both sides of the state line and the interstates.

**Map of Park Hill School District Municipalities.** This map shows the geography of the eight municipalities included within the Park Hill School District: Houston Lake, Kansas City, Lake Waukomis, Northmoor, Parkville, Platte Woods, Riverside and Weatherby Lake. Unincorporated sections of Waldron and Platte County within the district boundaries are also included.

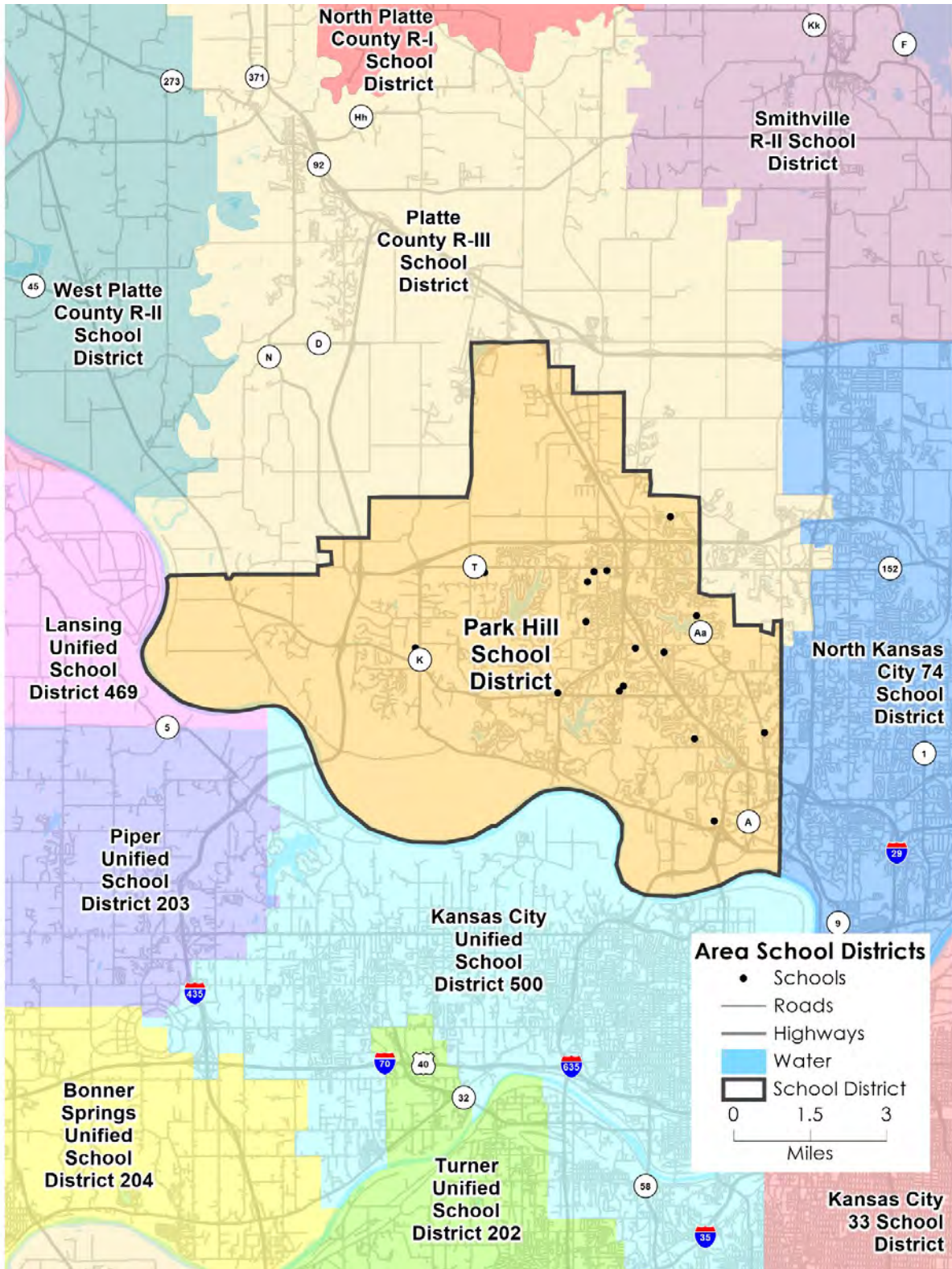
**Aerial Overview Map of Park Hill School District.** This map shows the aerial geography of the municipalities included within the Park Hill School District. Unincorporated sections of Waldron and Platte County within the district boundaries is also included.

**Zip Codes Within Park Hill School District Boundaries.** This map overlays the United States Postal Service Zip Codes within the Park Hill School District.

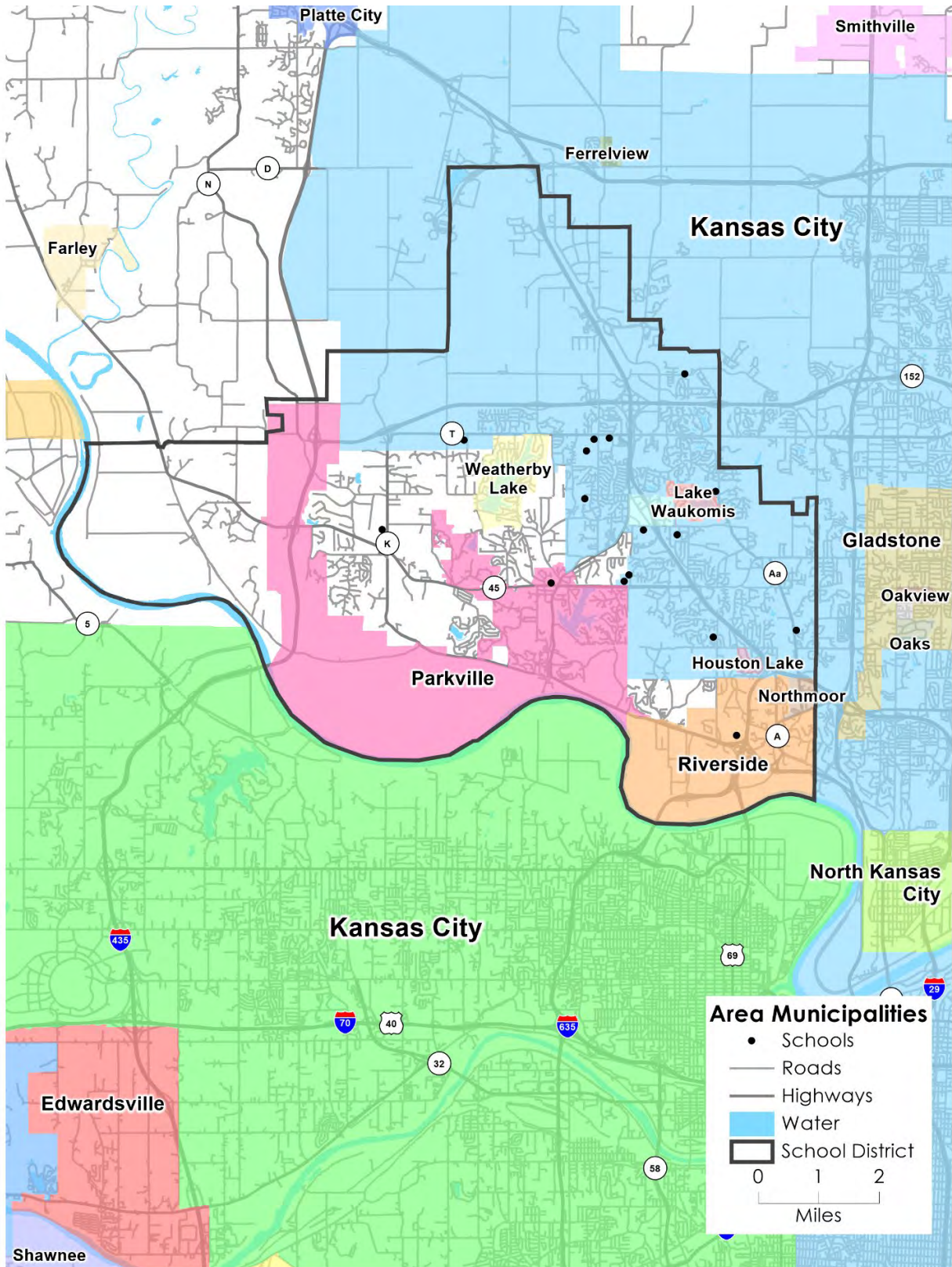
**Map of Park Hill School District Boundaries.** This map shows the Park Hill School District school boundaries as of July 2019 when the boundaries were last changed.

**Map of Missouri School Districts by County Boundaries.** This map shows Missouri school districts by county.

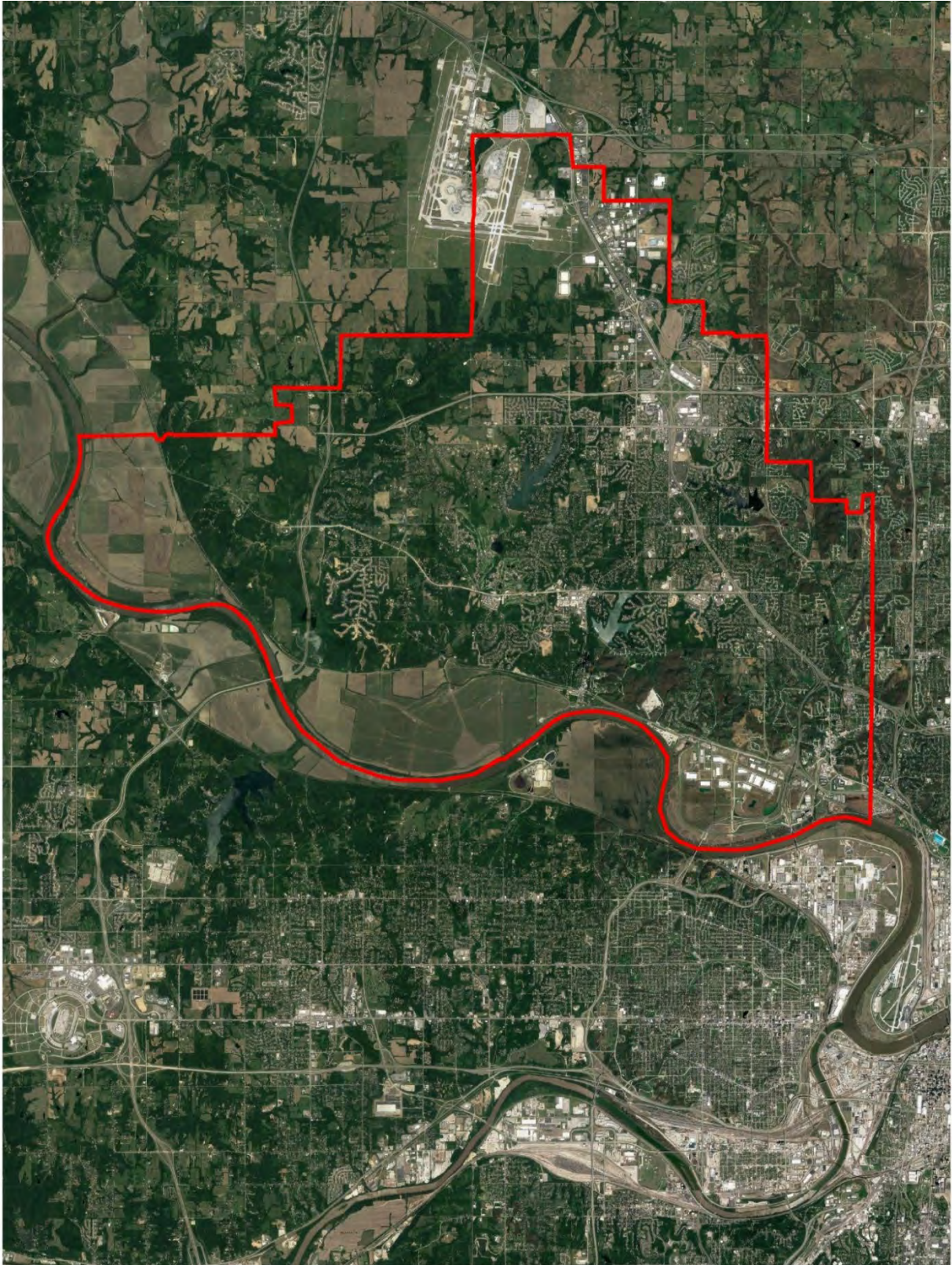
MAP OF AREA SCHOOL DISTRICTS



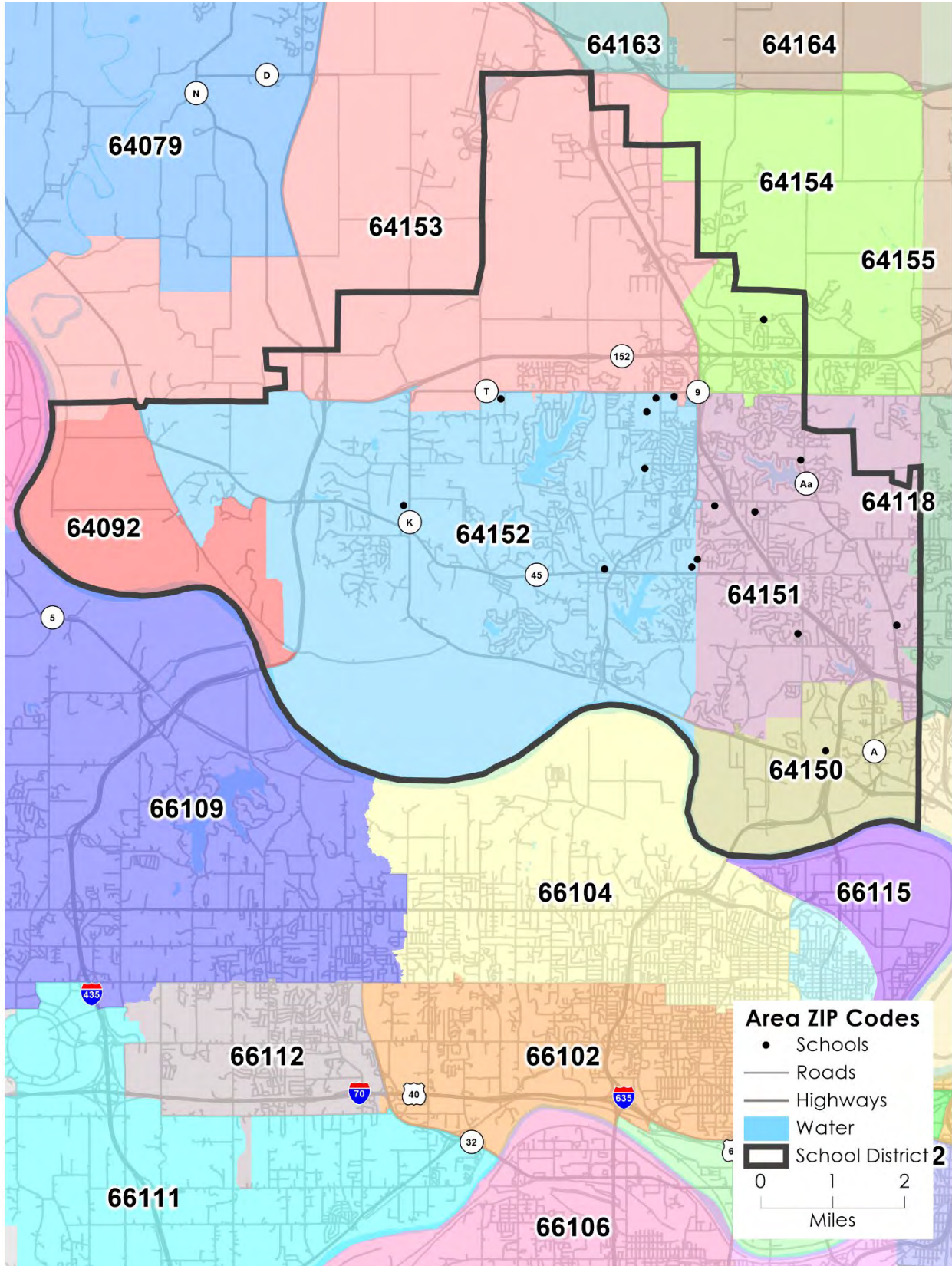
MAP OF PARK HILL SCHOOL DISTRICT MUNICIPALITIES



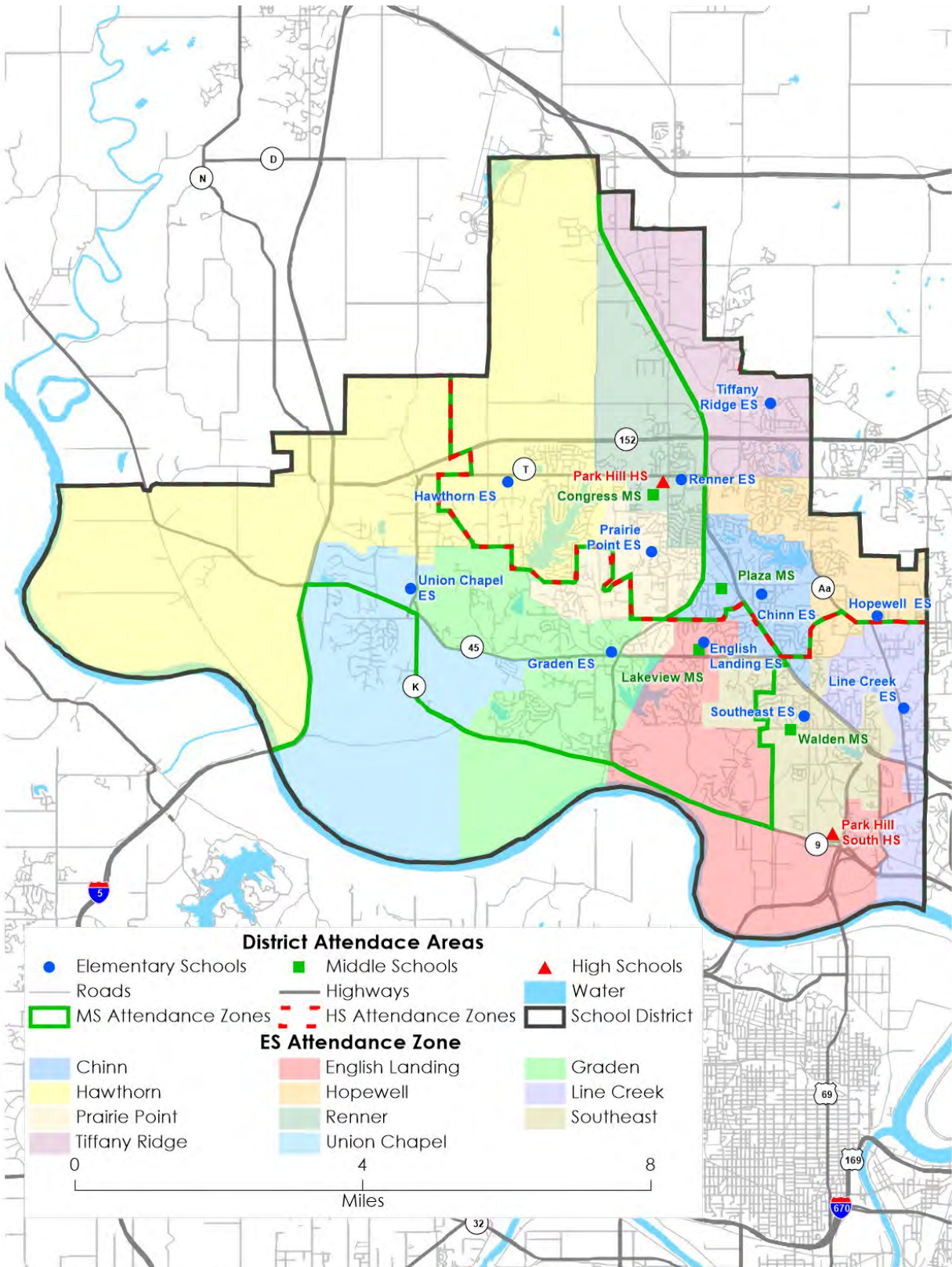
AERIAL OVERVIEW MAP OF PARK HILL SCHOOL DISTRICT



ZIP CODES WITHIN PARK HILL SCHOOL DISTRICT BOUNDARIES



MAP OF PARK HILL SCHOOL DISTRICT BOUNDARIES



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## MAP OF MISSOURI SCHOOL DISTRICTS BY COUNTY BOUNDARIES

A map of all 2022-2023 Missouri school districts with county boundaries is on the next page. This map is published annually by the Missouri Department of Elementary and Secondary Education (DESE) and can be found at <https://apps.dese.mo.gov/MCDS/home.aspx>. An interactive version is also available at the DESE website.



## 2022-2023 STATISTICS OF MISSOURI PUBLIC SCHOOLS

The data on the following page is published annually by the Missouri Department of Elementary and Secondary Education (DESE) at the conclusion of each school year. Official data for the current school year, 2023-2024, will not be made available until fall 2024. Where noted on the following pages, preliminary data is used for the 2023-2024 school year.

This information is found at <https://apps.dese.mo.gov/MCDS/home.aspx> under “Missouri School Statistics”.



DEMOGRAPHIC COMPARISONS – STATE OF MISSOURI PUBLIC SCHOOLS

According to the Missouri Department of Elementary and Secondary Education (DESE) preliminary data collection for the 2023-2024 school year, the state of Missouri educates 897,651 pre-K-12th grade students within 558 school districts and charter schools. The Park Hill School District currently ranks as the 16th largest school district in the state with a 2023-2024 preliminary official K-12 enrollment of 11,572 (preliminary value reported to the state), and a pre-K to 12 enrollment of 11,972.

Park Hill School District was also the 16th largest Missouri public school district in the prior year (2022-2023).

TWENTY-FIVE LARGEST SCHOOL DISTRICTS IN MISSOURI (ENROLLMENT)

Rank	School District	2023-2024 Pre-K-12 Enrollment	2022-2023 Pre-K-12 Enrollment
1	039141 - SPRINGFIELD R-XII	25,015	23,911
2	024093 - NORTH KANSAS CITY 74	21,557	20,698
3	096091 - ROCKWOOD R-VI	20,098	19,424
4	010093 - COLUMBIA 93	18,781	18,199
5	092089 - WENTZVILLE R-IV	17,965	17,570
6	048071 - LEE'S SUMMIT R-VII	17,809	17,523
7	096095 - PARKWAY C-2	16,618	16,618
8	092088 - FRANCIS HOWELL R-III	17,265	16,568
9	115115 - ST. LOUIS CITY	18,333	16,542
10	092087 - FT. ZUMWALT R-II	16,798	16,487
11	096088 - HAZELWOOD	16,353	15,697
12	048068 - BLUE SPRINGS R-IV	14,769	14,594
13	048077 - INDEPENDENCE 30	14,633	13,788
14	048078 - KANSAS CITY 33	14,779	13,680
15	024090 - LIBERTY 53	12,409	12,160
16	083005 - PARK HILL	11,972	11,573
17	050012 - FOX C-6	10,511	10,379
18	011082 - ST. JOSEPH	10,550	10,165
19	096094 - MEHLVILLE R-IX	10,211	9,908
20	096089 - FERGUSON-FLORISSANT R-II	9,385	9,053
21	026006 - JEFFERSON CITY	8,615	8,332
22	048073 - RAYTOWN C-2	7,975	7,762
23	049148 - JOPLIN SCHOOLS	7,757	7,456
24	096093 - LINDBERGH SCHOOLS	7,494	7,116
25	057003 - TROY R-III	6,982	6,732

## LARGEST SCHOOL DISTRICTS IN MISSOURI (GEOGRAPHIC)

At 73.2 square-miles, Park Hill School District ranks as Missouri's 374<sup>th</sup> largest school district geographically. The largest school district geographically in Missouri is Putnam County R-1 (507 square miles); a rural school district located near the Missouri-Iowa border in North Central Missouri.

### GEOGRAPHIC AREA (SQUARE MILES)

Rank	District	Area (Sq Miles)
1	086100 - PUTNAM CO. R-I	507.0
2	052096 - KNOX CO. R-I	499.0
3	075087 - ALTON R-IV	493.1
4	023101 - CLARK CO. R-I	492.0
5	111086 - GREENVILLE R-II	482.0
6	072074 - NEW MADRID CO. R-I	469.8
7	099082 - SCOTLAND CO. R-I	435.0
8	060077 - MCDONALD CO. R-I	428.5
9	079077 - PERRY CO. 32	413.8
10	056017 - LEWIS CO. C-1	412.3
11	030093 - DALLAS CO. R-I	378.7
12	082100 - BOWLING GREEN R-I	374.8
13	037039 - GASCONADE CO. R-I	370.6
14	008107 - WARSAW R-IX	362.0
15	108142 - NEVADA R-V	359.2
16	034124 - AVA R-I	358.0
17	037037 - GASCONADE CO. R-II	356.8
18	107153 - SUMMERSVILLE R-II	355.9
19	041002 - SOUTH HARRISON CO. R-II	350.1
20	095059 - STE. GENEVIEVE CO. R-II	347.9
21	062072 - FREDERICKTOWN R-I	345.3
22	077102 - GAINESVILLE R-V	340.6
23	101107 - EMINENCE R-I	338.5
24	090076 - SOUTHERN REYNOLDS CO. R-II	335.0
25	015002 - CAMDENTON R-III	334.1
...		
374	083005 - PARK HILL	73.2

**STUDENT DENSITY (STUDENTS PER SQUARE MILES)**

Park Hill School District ranks 33<sup>rd</sup> in student density (158.2 pre-K-12 students per square mile). Clayton School District, in central St. Louis, ranks the highest in student density (737.5 pre-K-12 students per square mile).

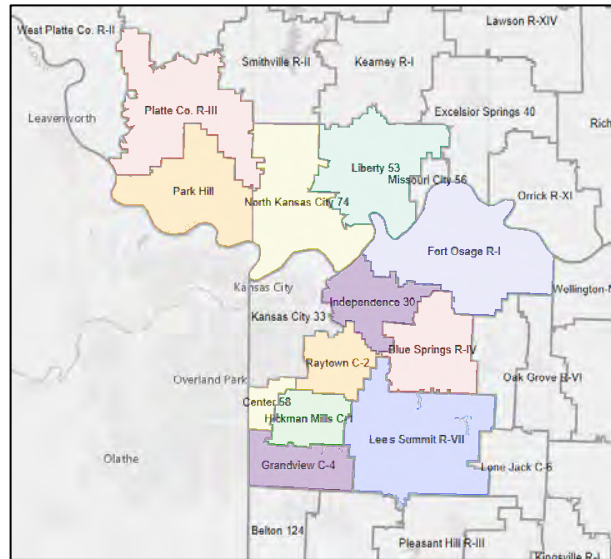
Rank	District	Students Per Sq mile
1	096102 - CLAYTON	755.9
2	096099 - BAYLESS	663.8
3	096104 - JENNINGS	606.7
4	096110 - RITENOUR	598.2
5	096103 - HANCOCK PLACE	530.0
6	096111 - RIVERVIEW GARDENS	523.1
7	096114 - WEBSTER GROVES	506.1
8	096107 - MAPLEWOOD-RICHMOND HEIGHTS	505.5
9	096112 - UNIVERSITY CITY	413.4
10	096098 - AFFTON 101	411.2
11	096092 - KIRKWOOD R-VII	377.1
12	096089 - FERGUSON-FLORISSANT R-II	357.6
13	096101 - BRENTWOOD	342.9
14	048077 - INDEPENDENCE 30	323.0
15	096093 - LINDBERGH SCHOOLS	292.0
16	048068 - BLUE SPRINGS R-IV	257.8
17	096109 - NORMANDY SCHOOLS COLLABORATIVE	256.8
18	115115 - ST. LOUIS CITY	250.4
19	092090 - ST. CHARLES R-VI	247.7
20	048073 - RAYTOWN C-2	241.5
21	096095 - PARKWAY C-2	236.9
22	024093 - NORTH KANSAS CITY 74	236.9
23	096094 - MEHLVILLE R-IX	236.6
24	096090 - PATTONVILLE R-III	236.1
25	096106 - LADUE	232.6
...		
33	083005 - PARK HILL	158.2

DEMOGRAPHIC COMPARISONS – BENCHMARK SCHOOL DISTRICTS

The Park Hill School District utilizes eleven other suburban Kansas City, Missouri school districts to benchmark statistics throughout the organization, including Academic Services (i.e., student achievement scores), Human Resources (i.e., employee compensation), and Business Services (i.e., tax rates). The following tables compare Park Hill School District to these benchmark districts in various demographic categories. This data is collected by the Missouri Department of Elementary and Secondary Education and the U.S. Census Bureau.

The benchmark school districts are:

- 024090 - LIBERTY 53
- 024093 - NORTH KANSAS CITY
- 048066 - FORT OSAGE R-I
- 048068 - BLUE SPRINGS R-IV
- 048071 - LEE'S SUMMIT R-VII
- 048072 - HICKMAN MILLS C-1
- 048073 - RAYTOWN C-2
- 048074 - GRANDVIEW C-4
- 048077 - INDEPENDENCE 30
- 048080 - CENTER 58
- 083003 - PLATTE CO. R-III
- 083005 - PARK HILL



BENCHMARK DEMOGRAPHIC DATA – 2023-2024 PRELIMINARY K-12 ENROLLMENT

District	Area (Sq Miles)	2023-2024 K-12 Enrollment (preliminary DESE values)
024090 - LIBERTY 53	82.6357	12,160
024093 - NORTH KANSAS CITY	87.363	20,698
048066 - FORT OSAGE R-I	118.3799	4,666
048068 - BLUE SPRINGS R-IV	56.6	14,594
048071 - LEE'S SUMMIT R-VII	116.3991	17,523
048072 - HICKMAN MILLS C-1	30.354	4,613
048073 - RAYTOWN C-2	32.1452	7,762
048074 - GRANDVIEW C-4	38.1539	3,549
048077 - INDEPENDENCE 30	42.693	13,788
048080 - CENTER 58	11.6024	2,338
083003 - PLATTE CO. R-III	99.4276	4,268
083005 - PARK HILL	73.1567	11,573

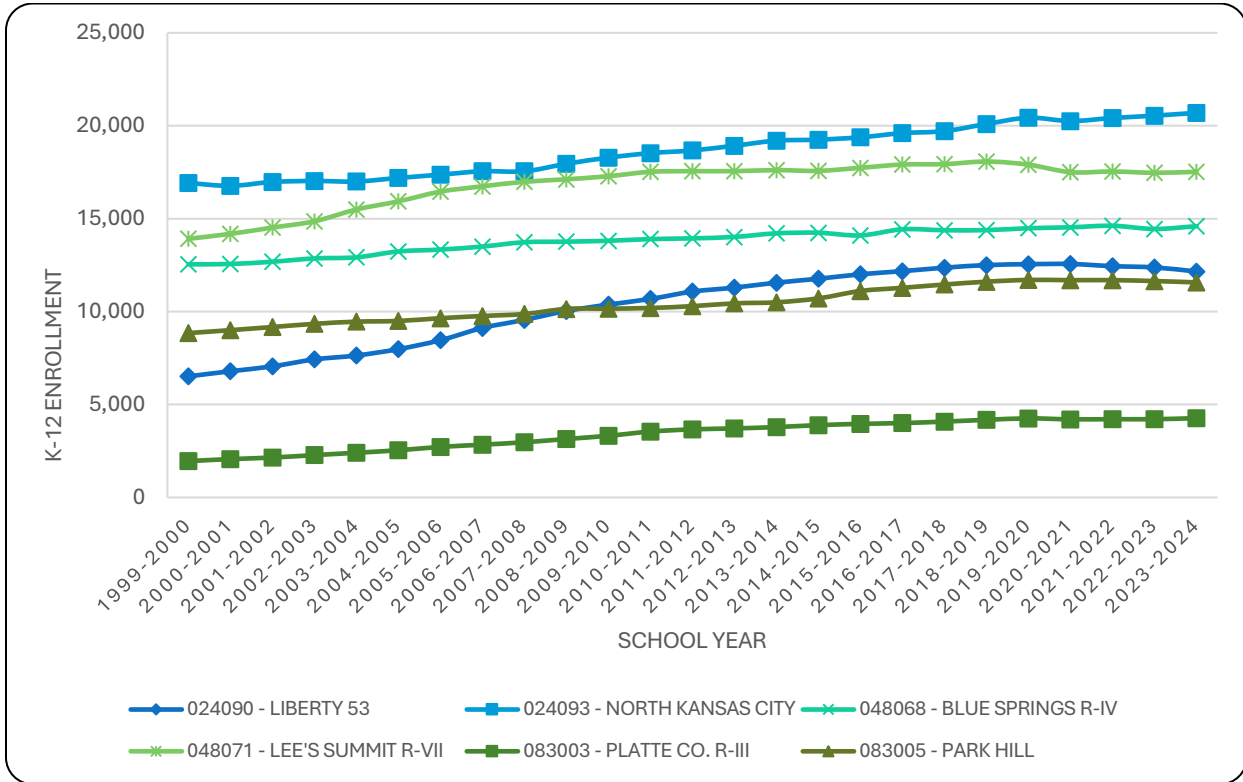
**BENCHMARK DEMOGRAPHIC DATA – K-12 ENROLLMENT**

The following data is compiled from Missouri’s Department of Elementary and Secondary Education (DESE) reported by school districts for the previous school year, 2022-2023. Final 2023-2024 data for all Missouri school districts will become available from DESE in October 2024.

District	K-12 Enrollment	% Asian	% Black	% Hispanic	% Indian	% Multi-racial	% Pacific Islander	% Non-White	% White	% Free/Reduced Lunch	% ELL LEP
024090 - LIBERTY 53	12,378	2.71%	6.13%	8.72%	0.17%	6.57%	0.25%	24.54%	75.46%	20.43%	1.61%
024093 - NORTH KANSAS CITY	20,544	3.47%	15.94%	15.36%	0.21%	11.41%	1.41%	47.80%	52.20%	45.79%	7.69%
048066 - FORT OSAGE R-I	4,734	0.68%	9.34%	12.29%	0.40%	5.81%	2.24%	30.76%	69.24%	50.12%	1.37%
048068 - BLUE SPRINGS R-IV	14,448	2.15%	12.76%	9.22%	0.42%	7.33%	0.35%	32.23%	67.77%	26.91%	0.83%
048071 - LEE'S SUMMIT R-VII	17,469	2.05%	13.39%	8.76%	0.11%	8.49%	0.21%	33.01%	66.99%	19.68%	1.85%
048072 - HICKMAN MILLS C-1	4,734	2.20%	64.43%	16.71%	0.23%	6.68%	0.46%	90.71%	9.29%	99.98%	9.17%
048073 - RAYTOWN C-2	7,753	0.75%	50.88%	15.77%	0.41%	9.75%	0.40%	77.97%	22.03%	61.21%	6.02%
048074 - GRANDVIEW C-4	3,557	0.93%	45.74%	28.11%	0.31%	6.63%	0.37%	82.09%	17.91%	68.28%	14.34%
048077 - INDEPENDENCE 30	13,791	0.78%	14.45%	24.53%	0.45%	10.28%	0.88%	51.37%	48.63%	69.07%	7.35%
048080 - CENTER 58	2,436	0.82%	61.25%	11.54%	0	9.36%	0	83.25%	16.75%	68.03%	5.58%
083003 - PLATTE CO. R-III	4,212	2.33%	9.76%	8.76%	0.36%	5.75%	0.85%	27.80%	72.20%	20.48%	1.33%
083005 - PARK HILL	11,645	3.05%	13.18%	11.16%	0.38%	6.19%	1.47%	35.43%	64.57%	26.01%	5.89%

BENCHMARK DEMOGRAPHIC DATA – K-12 ENROLLMENT & ENROLLMENT GROWTH

The graph below shows the 25-Year K-12 enrollment trend for selected benchmark school districts.



This table provides values for K-12 enrollment and enrollment growth of benchmark school districts.

District	1998-1999	2003-2004	2008-2009	2013-2014	2018-2019	2023-2024	25 Year Growth	20 Year Growth	15 Year Growth	10 Year Growth	5 Year Growth	5 Year Growth %	10 Year Growth %
024090 - LIBERTY 53	6,276	7,640	10,034	11,558	12,504	12,160	+5,884	+4,520	+2,126	+602	-344	-2.8%	+5.2%
024093 - NORTH KANSAS CITY	16,899	17,003	17,955	19,199	20,096	20,698	+3,799	+3,695	+2,743	+1,499	+602	+3.0%	+7.8%
048066 - FORT OSAGE R-I	4,886	4,859	4,806	4,900	4,892	4,666	-220	-193	-140	-234	-226	-4.6%	-4.8%
048068 - BLUE SPRINGS R-IV	12,471	12,923	13,765	14,213	14,386	14,594	+2,123	+1,671	+829	+381	+208	+1.4%	+2.7%
048071 - LEE'S SUMMIT R-VII	13,614	15,496	17,120	17,615	18,075	17,523	+3,909	+2,027	+403	-92	-552	-3.1%	-0.5%
048072 - HICKMAN MILLS C-1	7,311	7,250	6,765	6,252	5,339	4,613	-2,698	-2,637	-2,152	-1,639	-726	-13.6%	-26.2%
048073 - RAYTOWN C-2	8,356	8,570	8,617	8,690	8,414	7,762	-594	-808	-855	-928	-652	-7.7%	-10.7%
048074 - GRANDVIEW C-4	4,357	4,229	3,970	4,036	4,135	3,549	-808	-680	-421	-487	-586	-14.2%	-12.1%
048077 - INDEPENDENCE 30	11,578	11,059	13,128	14,063	14,153	13,788	+2,210	+2,729	+660	-275	-365	-2.6%	-2.0%
048080 - CENTER 58	2,714	2,497	2,291	2,349	2,531	2,338	-376	-159	+47	-11	-193	-7.6%	-0.5%
083003 - PLATTE CO. R-III	1,891	2,406	3,148	3,788	4,178	4,268	+2,377	+1,862	+1,120	+480	+90	+2.2%	+12.7%
083005 - PARK HILL	<b>8,647</b>	<b>9,460</b>	<b>10,147</b>	<b>10,501</b>	<b>11,611</b>	<b>11,573</b>	<b>+2,926</b>	<b>+2,113</b>	<b>+1,426</b>	<b>+1,072</b>	<b>-38</b>	<b>-0.3%</b>	<b>+10.2%</b>

This table provides K-12 enrollment data from the last five years for benchmark school districts.

District	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
024090 - LIBERTY 53	12,504	12,552	12,563	12,447	12,378	12,160
024093 - NORTH KANSAS CITY	20,096	20,434	20,255	20,419	20,544	20,698
048066 - FORT OSAGE R-I	4,892	4,899	4,748	4,693	4,734	4,666
048068 - BLUE SPRINGS R-IV	14,386	14,488	14,537	14,621	14,448	14,594
048071 - LEE'S SUMMIT R-VII	18,075	17,907	17,503	17,541	17,470	17,523
048072 - HICKMAN MILLS C-1	5,339	5,099	4,796	4,810	4,734	4,613
048073 - RAYTOWN C-2	8,414	8,227	7,829	7,757	7,753	7,762
048074 - GRANDVIEW C-4	4,135	4,101	3,636	3,636	3,557	3,549
048077 - INDEPENDENCE 30	14,153	14,154	13,765	13,780	13,791	13,788
048080 - CENTER 58	2,531	2,522	2,415	2,410	2,436	2,338
083003 - PLATTE CO. R-III	4,178	4,256	4,205	4,214	4,212	4,268
083005 - PARK HILL	11,611	11,707	11,692	11,695	11,645	11,573

This table shows Year over Year (YoY) K-12 enrollment growth over the prior year.

District	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
024090 - LIBERTY 53	+140 (1.1%)	+48 (0.4%)	+11 (0.1%)	-116 (-0.9%)	-69 (-0.6%)	-218 (-1.8%)
024093 - NORTH KANSAS CITY	+384 (1.9%)	+338 (1.7%)	-179 (-0.9%)	+164 (0.8%)	+125 (0.6%)	+154 (0.7%)
048066 - FORT OSAGE R-I	-58 (-1.2%)	+7 (0.1%)	-151 (-3.1%)	-55 (-1.2%)	+41 (0.9%)	-68 (-1.4%)
048068 - BLUE SPRINGS R-IV	+6 (0.0%)	+102 (0.7%)	+49 (0.3%)	+84 (0.6%)	-173 (-1.2%)	+146 (1.0%)
048071 - LEE'S SUMMIT R-VII	+138 (0.8%)	-168 (-0.9%)	-404 (-2.3%)	+38 (0.2%)	-71 (-0.4%)	+53 (0.3%)
048072 - HICKMAN MILLS C-1	-226 (-4.1%)	-240 (-4.5%)	-303 (-5.9%)	+14 (0.3%)	-76 (-1.6%)	-121 (-2.6%)
048073 - RAYTOWN C-2	-296 (-3.4%)	-187 (-2.2%)	-398 (-4.8%)	-72 (-0.9%)	-4 (-0.1%)	+9 (0.1%)
048074 - GRANDVIEW C-4	-27 (-0.6%)	-34 (-0.8%)	-465 (-11.3%)	+0 (0.0%)	-79 (-2.2%)	-8 (-0.2%)
048077 - INDEPENDENCE 30	-188 (-1.3%)	+1 (0.0%)	-389 (-2.7%)	+15 (0.1%)	+11 (0.1%)	-3 (0.0%)
048080 - CENTER 58	+63 (2.6%)	-9 (-0.4%)	-107 (-4.2%)	-5 (-0.2%)	+26 (1.1%)	-98 (-4.0%)
083003 - PLATTE CO. R-III	+95 (2.3%)	+78 (1.9%)	-51 (-1.2%)	+9 (0.2%)	-2 (0.0%)	+56 (1.3%)
083005 - PARK HILL	+153 (1.3%)	+96 (0.8%)	-15 (-0.1%)	+3 (0.0%)	-50 (-0.4%)	-72 (-0.6%)

Park Hill School District has consistently seen the largest cohort growth as students move from 8<sup>th</sup> grade to 9<sup>th</sup> grade. This means that there is a net gain in students moving into the district after their 8<sup>th</sup> grade year. The data below shows the historical 8<sup>th</sup> to 9<sup>th</sup> grade cohort growth for benchmark districts.

The base school year for this data is 2023-2024.

District	1-Year of 8 <sup>th</sup> Grade to 9 <sup>th</sup> Grade Cohort Growth	2-years of 8 <sup>th</sup> Grade to 9 <sup>th</sup> Grade Cohort Growth	3-Years of 8 <sup>th</sup> Grade to 9 <sup>th</sup> Grade Cohort Growth	4-Years of 8 <sup>th</sup> Grade to 9 <sup>th</sup> Grade Cohort Growth	5-Years of 8 <sup>th</sup> Grade to 9 <sup>th</sup> Grade Cohort Growth
024090 - LIBERTY 53	+24 (+2.4%)	+64 (+3.1%)	+84 (+2.7%)	+291 (+2.7%)	+140 (+2.7%)
024093 - NORTH KANSAS CITY	+50 (+3.1%)	+101 (+3.1%)	+138 (+2.8%)	+175 (+2.8%)	+271 (+3.4%)
048066 - FORT OSAGE R-I	+2 (+0.5%)	+1 (+0.1%)	-2 (-0.2%)	+483 (-0.4%)	-11 (-0.5%)
048068 - BLUE SPRINGS R-IV	+136 (+11.6%)	+271 (+11.6%)	+428 (+12.1%)	+571 (+10.4%)	+620 (+10.6%)
048071 - LEE'S SUMMIT R-VII	+31 (+2.3%)	+40 (+1.4%)	+66 (+1.5%)	+256 (+1.4%)	+108 (+1.5%)
048072 - HICKMAN MILLS C-1	+47 (+12.7%)	+96 (+12.8%)	+191 (+16.7%)	+737 (+11.4%)	+139 (+7.3%)
048073 - RAYTOWN C-2	+113 (+18.4%)	+294 (+23.7%)	+485 (+26.0%)	+777 (+21.9%)	+659 (+20.4%)
048074 - GRANDVIEW C-4	+106 (+37.7%)	+113 (+19.2%)	+206 (+23.0%)	+226 (+17.9%)	+313 (+20.7%)
048077 - INDEPENDENCE 30	+22 (+2.0%)	+39 (+1.8%)	+37 (+1.1%)	+126 (+0.3%)	+111 (+2.0%)
048080 - CENTER 58	+28 (+15.4%)	+60 (+16.2%)	+90 (+16.0%)	+145 (+15.2%)	+132 (+13.8%)
083003 - PLATTE CO. R-III	+12 (+3.7%)	+19 (+2.9%)	+26 (+2.7%)	+195 (+2.3%)	+38 (+2.3%)
083005 - PARK HILL	+24 (+2.5%)	+42 (+2.2%)	+111 (+3.9%)	+164 (+4.4%)	+227 (+4.9%)

BENCHMARK POPULATION DATA

This table provides values for various population data of benchmark school districts.

School District	2023 Total Population (estimate)	2023 Estimated Percent Population 17 years old or younger	2023-2024 K-12 School Enrollment	2023 Estimated School-Age Population	Est 2023 Percentage of School-Age Children Living in the District Who Attend District Schools
024090 - LIBERTY 53	65,000	25.3%	12,160	12,864	94.5%
024093 - NORTH KANSAS CITY	144,409	22.6%	20,698	23,654	87.5%
048066 - FORT OSAGE R-I	25,614	24.7%	4,666	4,840	96.4%
048068 - BLUE SPRINGS R-IV	85,553	23.1%	14,594	15,047	97.0%
048071 - LEE'S SUMMIT R-VII	105,804	23.4%	17,523	19,018	92.1%
048072 - HICKMAN MILLS C-1	47,191	24.1%	4,613	8,020	57.5%
048073 - RAYTOWN C-2	60,357	21.1%	7,762	9,299	83.5%
048074 - GRANDVIEW C-4	34,125	22.3%	3,549	5,479	64.8%
048077 - INDEPENDENCE 30	97,806	21.6%	13,788	15,513	88.9%
048080 - CENTER 58	25,587	20.0%	2,338	3,437	68.0%
083003 - PLATTE CO. R-III	79,984	23.2%	4,268	4,865	87.7%
083005 - PARK HILL	28,945	22.7%	11,573	13,821	83.7%

\* More than 100% market share can occur when: (1) Students living outside the school district enroll in the district's schools; (2) The estimated school-age population is too low.

BENCHMARK HOUSEHOLD DATA

The following table provides values for household data of benchmark school districts.

School District	Number of Households (2023)	Est. 2023 Average Household Size	Est. 2023 Estimated Population 25+ College Graduate or Professional Degree (includes Associate Degree)	Est. 2023 Estimated Median Home Value	2023 Estimated Percentage of Households in Poverty
024090 - LIBERTY 53	23,300	2.73	50.7%	354,375	4.4%
024093 - NORTH KANSAS CITY	59,849	2.40	40.7%	252,485	9.2%
048066 - FORT OSAGE R-I	9,298	2.74	28.8%	223,629	9.6%
048068 - BLUE SPRINGS R-IV	32,811	2.58	43.8%	299,501	5.7%
048071 - LEE'S SUMMIT R-VII	39,728	2.65	54.9%	369,592	4.6%
048072 - HICKMAN MILLS C-1	19,219	2.43	33.3%	182,499	17.2%
048073 - RAYTOWN C-2	25,236	2.37	30.3%	192,583	11.4%
048074 - GRANDVIEW C-4	13,968	2.39	38.0%	251,711	12.4%
048077 - INDEPENDENCE 30	41,190	2.35	26.3%	184,938	14.1%
048080 - CENTER 58	12,545	2.03	47.8%	252,061	10.4%
083003 - PLATTE CO. R-III	11,815	2.42	48.4%	354,181	5.6%
083005 - PARK HILL	31,789	2.49	53.4%	386,267	5.5%

BENCHMARK SCHOOL FINANCE DATA

The table below provides values for school finance data based upon the 2022-2023 school year.

TAX BASE

District	Percent Local Funding	Percent State Funding	Percent Federal Funding	Assessed Valuation	Assessed Valuation Per Student	Total Expenditures
024090 - LIBERTY 53	56.5%	37.8%	5.7%	1,494,125,314	120,708	209,742,091
024093 - NORTH KANSAS CITY	63.4%	28.2%	8.5%	2,943,299,629	143,268	420,390,885
048066 - FORT OSAGE R-I	44.2%	41.2%	14.6%	379,187,946	80,099	89,516,736
048068 - BLUE SPRINGS R-IV	61.8%	32.0%	6.3%	1,920,168,983	132,902	288,199,950
048071 - LEE'S SUMMIT R-VII	62.5%	29.8%	7.7%	2,708,821,227	155,064	377,684,649
048072 - HICKMAN MILLS C-1	50.5%	35.3%	14.2%	561,054,408	118,516	107,733,276
048073 - RAYTOWN C-2	52.0%	36.7%	11.3%	820,335,844	105,809	146,352,385
048074 - GRANDVIEW C-4	60.7%	25.4%	13.9%	661,023,110	185,837	91,157,532
048077 - INDEPENDENCE 30	42.6%	40.0%	17.4%	1,272,981,352	92,305	230,253,859
048080 - CENTER 58	74.4%	13.9%	11.7%	569,570,467	233,814	52,908,223
083003 - PLATTE CO. R-III	58.8%	32.9%	8.3%	710,210,714	168,616	111,747,676
083005 - PARK HILL	69.8%	22.8%	7.4%	2,182,994,392	187,462	220,985,827

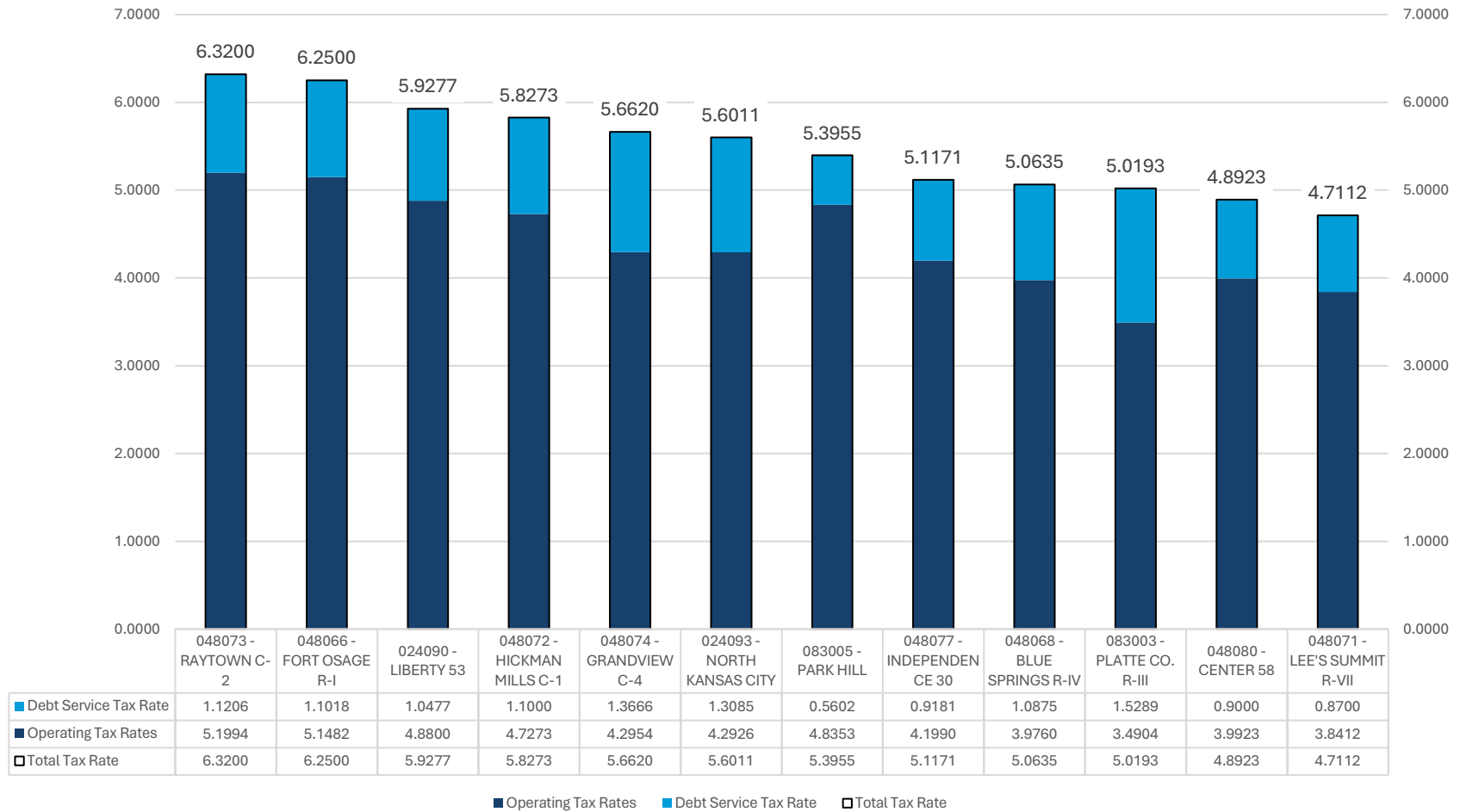
TAX RATE TABLE (2023-2024)

The table below provides values for school finance data based upon the 2023-2024 school year.

District	Tax Rate - Incidental Fund	Tax Rate - Teachers Fund	Tax Rate - Debt Service	Tax Rate - Capital Projects	Total Tax Rate
024090 - LIBERTY 53	4.5200	0.0000	1.0477	0.3600	<b>5.9277</b>
024093 - NORTH KANSAS CITY	2.2626	1.9000	1.3085	0.1300	<b>5.6011</b>
048066 - FORT OSAGE R-I	2.6482	2.5000	1.1018	0.0000	<b>6.2500</b>
048068 - BLUE SPRINGS R-IV	3.9760	0.0000	1.0875	0.0000	<b>5.0635</b>
048071 - LEE'S SUMMIT R-VII	3.7912	0.0000	0.8700	0.0500	<b>4.7112</b>
048072 - HICKMAN MILLS C-1	4.7273	0.0000	1.1000	0.0000	<b>5.8273</b>
048073 - RAYTOWN C-2	5.1994	0.0000	1.1206	0.0000	<b>6.3200</b>
048074 - GRANDVIEW C-4	4.2954	0.0000	1.3666	0.0000	<b>5.6620</b>
048077 - INDEPENDENCE 30	4.1990	0.0000	0.9181	0.0000	<b>5.1171</b>
048080 - CENTER 58	3.9523	0.0000	0.9000	0.0400	<b>4.8923</b>
083003 - PLATTE CO. R-III	3.1124	0.0000	1.5289	0.3780	<b>5.0193</b>
083005 - PARK HILL	4.5353	0.0000	0.5602	0.3000	<b>5.3955</b>

TAX RATE GRAPH (2023-2024)

2023-2024 Tax Rates for Benchmark School Districts





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# Park Hill School District

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## STUDENT ENROLLMENT

In this section of the *2023-2024 Demographic Profile & Enrollment Projections* the Park Hill School District historical enrollment data is depicted in various tables and graphs. In addition, data on district housing and birthrates are shared to establish trends relevant to enrollment growth in future years.

### HISTORICAL ENROLLMENT DATA

This section includes the following tables, charts, and graphs:

**Student Enrollment Table by Grade – 25-Year Historical.** This table summarizes official enrollment in the district over the last twenty-five years.

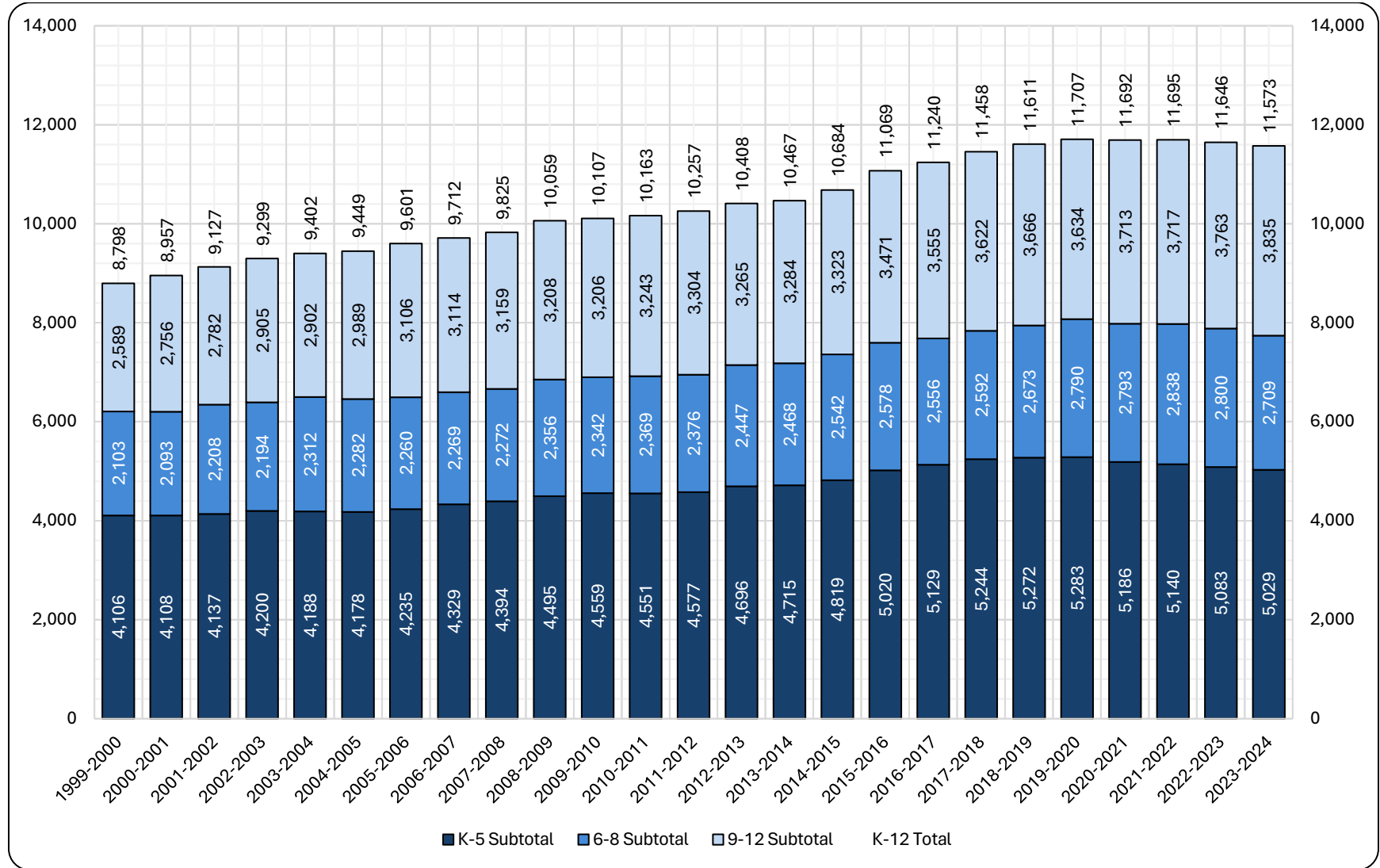
**K-12 Student Enrollment Chart – 25-Year Historical.** This graph represents enrollment and enrollment growth over the last twenty-five years.

**Annual Growth in K-12 Student Enrollment – 25-Year Historical.** This graph represents enrollment growth (number of students) over the last twenty-five years.

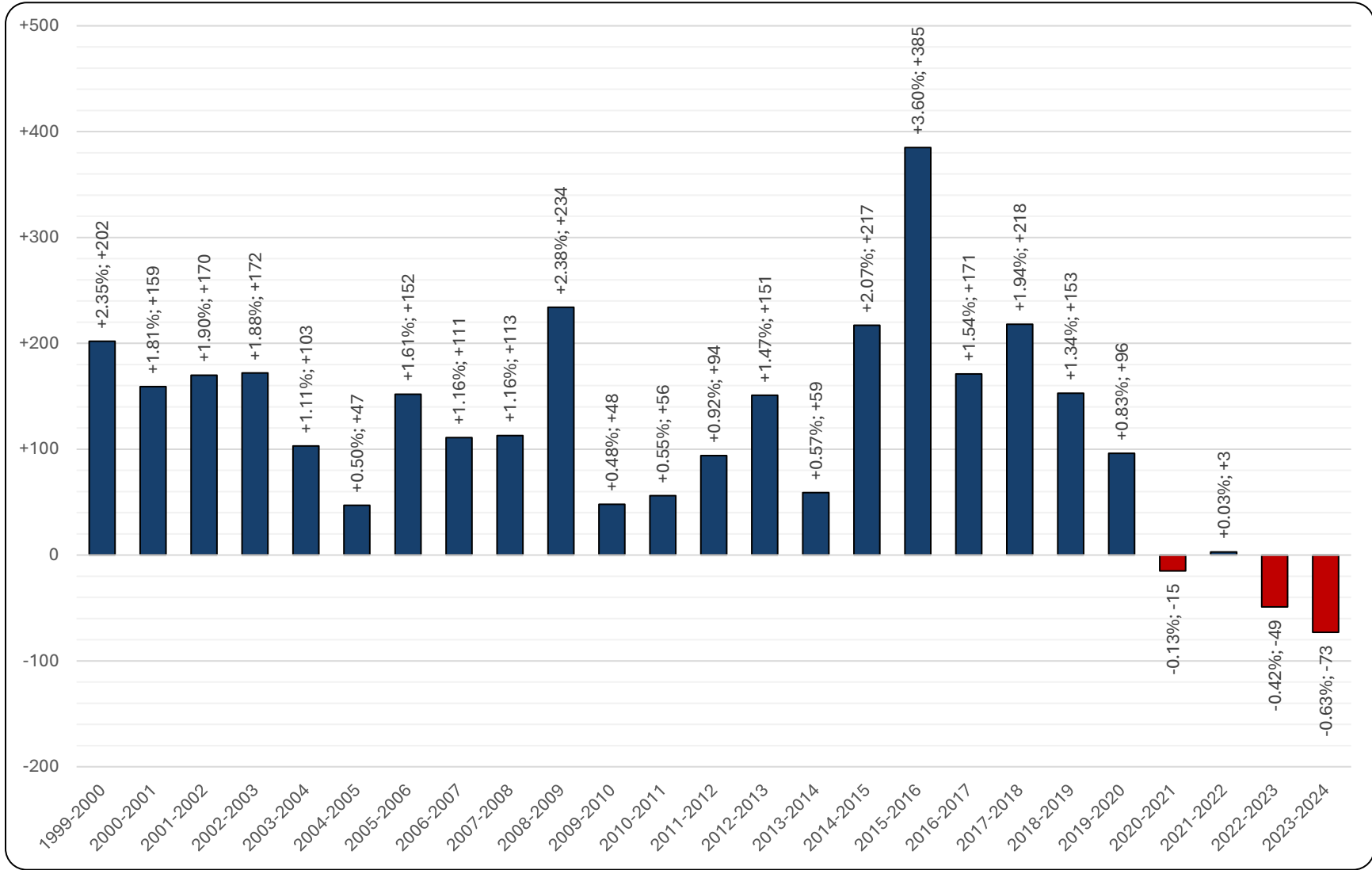
STUDENT ENROLLMENT TABLE BY GRADE – 25-YEAR HISTORICAL

School Year	K	1	2	3	4	5	K-5 Subtotal	6	7	8	6-8 Subtotal	9	10	11	12	9-12 Subtotal	Grand Total
1999-2000	657	685	688	729	689	658	<b>4,106</b>	740	649	714	<b>2,103</b>	701	734	603	551	<b>2,589</b>	<b>8,798</b>
2000-2001	608	667	693	707	735	698	<b>4,108</b>	671	765	657	<b>2,093</b>	749	715	739	553	<b>2,756</b>	<b>8,957</b>
2001-2002	640	659	681	688	722	747	<b>4,137</b>	736	679	793	<b>2,208</b>	697	730	692	663	<b>2,782</b>	<b>9,127</b>
2002-2003	719	679	681	683	696	742	<b>4,200</b>	765	751	678	<b>2,194</b>	827	704	727	647	<b>2,905</b>	<b>9,299</b>
2003-2004	688	747	702	652	700	699	<b>4,188</b>	773	781	758	<b>2,312</b>	709	810	678	705	<b>2,902</b>	<b>9,402</b>
2004-2005	711	669	738	715	656	689	<b>4,178</b>	722	767	793	<b>2,282</b>	797	705	800	687	<b>2,989</b>	<b>9,449</b>
2005-2006	676	725	693	739	719	683	<b>4,235</b>	718	748	794	<b>2,260</b>	834	789	690	793	<b>3,106</b>	<b>9,601</b>
2006-2007	705	711	718	713	737	745	<b>4,329</b>	734	757	778	<b>2,269</b>	838	819	763	694	<b>3,114</b>	<b>9,712</b>
2007-2008	703	740	718	743	740	750	<b>4,394</b>	759	760	753	<b>2,272</b>	821	802	793	743	<b>3,159</b>	<b>9,825</b>
2008-2009	726	741	760	746	767	755	<b>4,495</b>	786	792	778	<b>2,356</b>	817	797	794	800	<b>3,208</b>	<b>10,059</b>
2009-2010	704	764	760	786	754	791	<b>4,559</b>	761	780	801	<b>2,342</b>	823	806	794	783	<b>3,206</b>	<b>10,107</b>
2010-2011	744	712	773	782	779	761	<b>4,551</b>	780	786	803	<b>2,369</b>	853	807	789	794	<b>3,243</b>	<b>10,163</b>
2011-2012	752	739	722	789	787	788	<b>4,577</b>	775	816	785	<b>2,376</b>	856	843	806	799	<b>3,304</b>	<b>10,257</b>
2012-2013	771	791	768	745	821	800	<b>4,696</b>	807	819	821	<b>2,447</b>	828	842	810	785	<b>3,265</b>	<b>10,408</b>
2013-2014	788	794	787	778	753	815	<b>4,715</b>	814	846	808	<b>2,468</b>	861	817	795	811	<b>3,284</b>	<b>10,467</b>
2014-2015	822	812	831	792	791	771	<b>4,819</b>	841	836	865	<b>2,542</b>	847	848	829	799	<b>3,323</b>	<b>10,684</b>
2015-2016	851	863	834	865	822	785	<b>5,020</b>	812	900	866	<b>2,578</b>	951	855	833	832	<b>3,471</b>	<b>11,069</b>
2016-2017	792	865	877	848	882	865	<b>5,129</b>	798	866	892	<b>2,556</b>	927	935	865	828	<b>3,555</b>	<b>11,240</b>
2017-2018	831	829	914	894	871	905	<b>5,244</b>	874	849	869	<b>2,592</b>	950	896	927	849	<b>3,622</b>	<b>11,458</b>
2018-2019	818	878	828	923	933	892	<b>5,272</b>	914	911	848	<b>2,673</b>	944	949	885	888	<b>3,666</b>	<b>11,611</b>
2019-2020	865	825	888	846	926	933	<b>5,283</b>	946	932	912	<b>2,790</b>	911	926	925	872	<b>3,634</b>	<b>11,707</b>
2020-2021	811	863	849	866	857	940	<b>5,186</b>	936	937	920	<b>2,793</b>	965	899	923	926	<b>3,713</b>	<b>11,692</b>
2021-2022	822	842	868	852	878	878	<b>5,140</b>	937	943	958	<b>2,838</b>	989	939	876	913	<b>3,717</b>	<b>11,695</b>
2022-2023	802	830	855	847	863	886	<b>5,083</b>	898	939	963	<b>2,800</b>	976	977	935	875	<b>3,763</b>	<b>11,646</b>
2023-2024	778	828	860	879	829	855	<b>5,029</b>	897	875	937	<b>2,709</b>	987	984	948	916	<b>3,835</b>	<b>11,573</b>

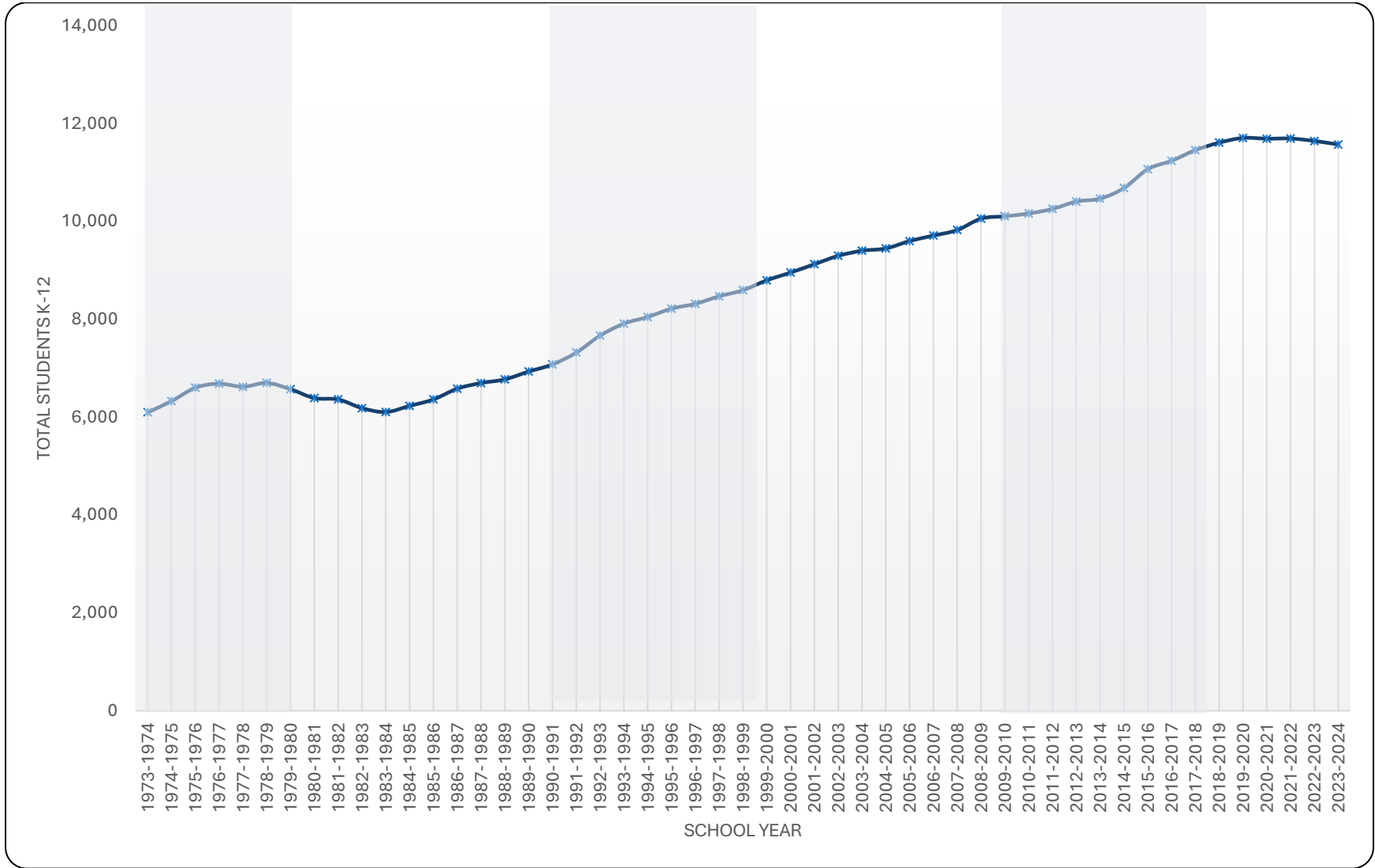
K-12 STUDENT ENROLLMENT CHART- 25-YEAR HISTORICAL



ANNUAL GROWTH IN K-12 STUDENT ENROLLMENT – 25-YEAR HISTORICAL



ANNUAL K-12 STUDENT ENROLLMENT – 50-YEAR HISTORICAL



## CURRENT ENROLLMENT

This section of the *2023-2024 Demographic Profile & Enrollment Projections* of the Park Hill School District shows data collected on the state’s official student count day and is reflected in various tables, charts, and graphs. The Missouri Department of Elementary and Secondary Education has established the annual official **enrollment count** as the number of students in grades K-12 enrolled on the last Wednesday in September of each year. A second enrollment count is taken in January of each year by all Missouri school districts but is not a part of this report.

The student enrollment value should not be confused with the rate of pupil attendance or **average daily attendance** (ADA), which is the total hours of student attendance divided by the total hours school is in session. In addition, the state utilizes a third measure to calculate student population – **membership**. Membership totals are used to differentiate full-time students from part-time. The membership of a student is reported as a full-time equivalency (FTE), such that a student enrolled the last Wednesday of September for 6 hours of a 6-hour day would be reported as a 1.00 FTE for September membership. If that same student was enrolled for 2 hours of a 6-hour day the last Wednesday of January, the January membership would be 0.33 FTE.

The report also distinguishes between Program Enrollment and Resident Enrollment. Resident Enrollment is the count of students assigned to a “home” school, or the school attendance area in which they reside. Program Enrollment is the enrollment within a school or special program such as the LEAD Innovation Studio, or Russell Jones Education Center.

For the purposes of this report and the projections made at the end of the report, the September enrollment count has been utilized as the benchmark for comparison from year to year. Any exceptions to this are highlighted throughout the report.

This section includes the following tables, charts, and graphs:

**K-12 Student Program Enrollment.** This table summarizes enrollment by school and by grade level.

**Change in K-12 Student Program Enrollment from Prior Year.** This table summarizes where the changes in enrollment occurred (by school and grade level) over the last year.

**K-12 Enrollment by School (Resident Enrollment).** This graph summarizes resident enrollment by school.

**Park Hill School District Grade Level Distribution.** This graph summarizes enrollment by grade level.

**Park Hill School District Cohort Size Analysis.** This table summarizes enrollment by grade level and compares these enrollments to benchmark years.

**Park Hill School District Student Geographic Distribution.** This map plots all students from the 2023-2024 school year on a district map.

**Park Hill School District Student Enrollment Density.** This shows the density of students enrolled from the 2023-2024 school year on a district map.

**Park Hill School District Grade Level Distribution and Cohort Growth Since Kindergarten.** This graph represents a key concept in projecting student enrollment – “cohort growth”. This graph shows current enrollment by grade level and includes the size of the same cohort when they were kindergarteners. As depicted in the graph, Park Hill School District classes generally increase in size as they pass from grade level to grade level.

**Park Hill School District Current Senior Class Cohort Growth – Kindergarten Through 12<sup>th</sup> Grade.** The graph shows the cohort change over the last 13 years of the current graduating class, beginning when they were kindergarteners.

**Park Hill School District Diversity of Current Pre-K – 12 Grade Enrollment.** This pie chart represents the diversity of the student population.

**Park Hill School District Change in Diverse Populations.** This graph and corresponding data table shows the increase of diverse populations over the last ten years.

**Park Hill School District Diverse Populations by School.** This graph illustrates the percentage of ethnicities within each school.

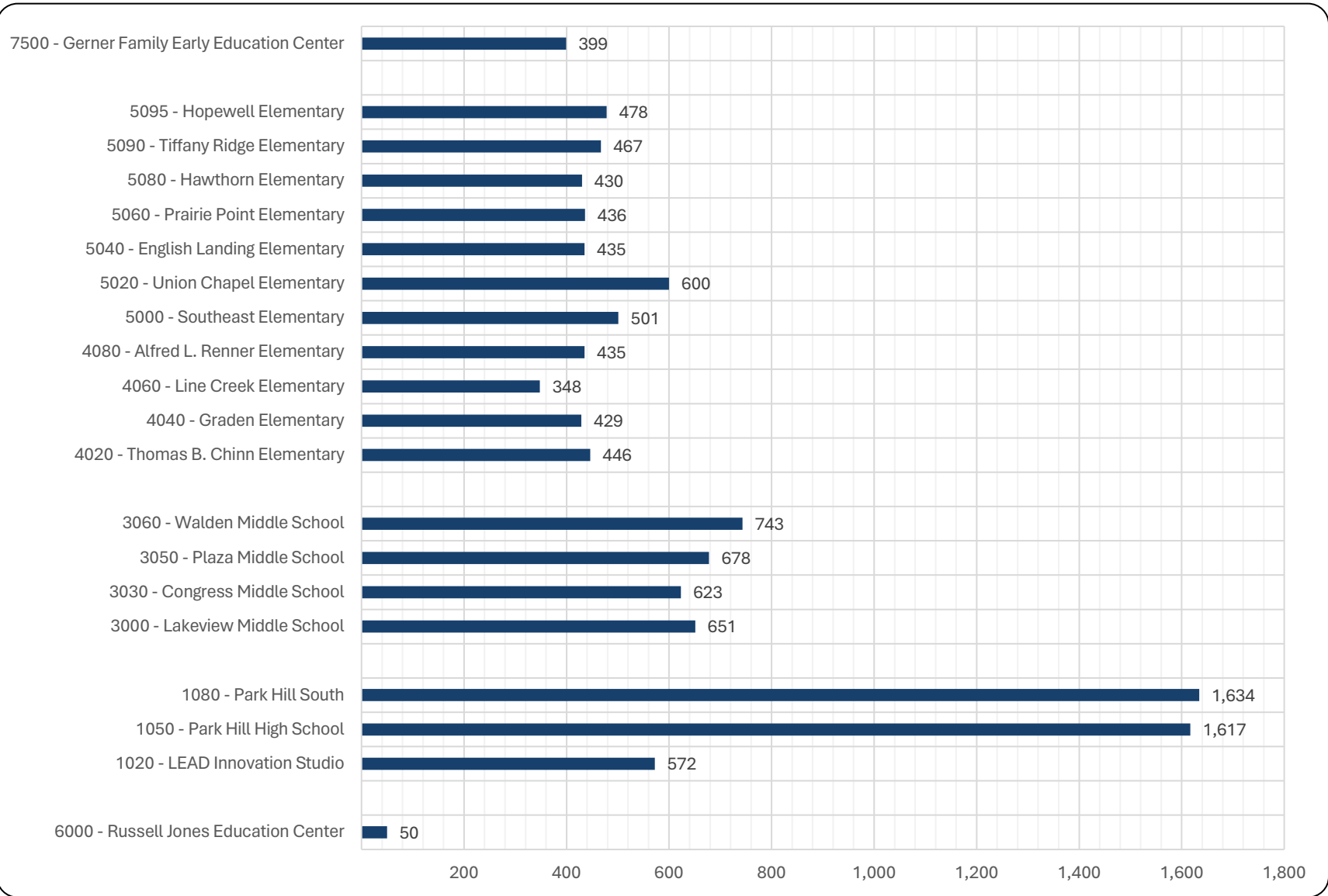
**Park Hill School District Growth in Free and Reduced Lunch Population.** This chart reports the rate of students who received free and reduced lunch over the last ten years. For the purpose of this annual report and to be consistent with state reporting, the district has utilized the official January membership count to compare free and reduced values.

**Park Hill School District Free and Reduced Lunch Population by School.** This graph illustrates the percentage of free and reduced students within each school. For the purposes of this annual report, the district has utilized the official January count to compare free and reduced values.

K-12 STUDENT PROGRAM ENROLLMENT (TABLE)

GRADE	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	Total	
<b>K-12 SCHOOLS</b>			2	6	5	2		9	7	6	1	5	3	2	2	50
6000 - Russell Jones Education Center			2	6	5	2		9	7	6	1	5	3	2	2	50
<b>HIGH SCHOOLS</b>											982	981	946	914	<b>3,823</b>	
1020 - LEAD Innovation Studio											105	164	171	132	<b>572</b>	
1050 - Park Hill High School											439	421	387	370	<b>1,617</b>	
1080 - Park Hill South											438	396	388	412	<b>1,634</b>	
<b>MIDDLE SCHOOLS</b>								890	869	936					<b>2,695</b>	
3000 - Lakeview Middle School								209	215	227					<b>651</b>	
3030 - Congress Middle School								201	195	227					<b>623</b>	
3050 - Plaza Middle School								235	215	228					<b>678</b>	
3060 - Walden Middle School								245	244	254					<b>743</b>	
<b>ELEMENTARY SCHOOLS</b>		776	822	855	877	829	846								<b>5,005</b>	
4020 - Thomas B. Chinn Elementary		76	81	80	65	71	73								<b>446</b>	
4040 - Graden Elementary		53	75	62	68	78	93								<b>429</b>	
4060 - Line Creek Elementary		55	49	67	58	48	71								<b>348</b>	
4080 - Alfred L. Renner Elementary		67	74	68	79	66	81								<b>435</b>	
5000 - Southeast Elementary		96	69	88	90	83	75								<b>501</b>	
5020 - Union Chapel Elementary		83	105	93	112	107	100								<b>600</b>	
5040 - English Landing Elementary		70	79	74	77	63	72								<b>435</b>	
5060 - Prairie Point Elementary		62	75	87	82	70	60								<b>436</b>	
5080 - Hawthorn Elementary		57	72	77	76	85	63								<b>430</b>	
5090 - Tiffany Ridge Elementary		86	68	83	79	71	80								<b>467</b>	
5095 - Hopewell Elementary		71	75	76	91	87	78								<b>478</b>	
<b>EARLY CHILDHOOD SCHOOLS</b>		399														<b>399</b>
7500 - Gerner Family Early Education Center		399														<b>399</b>
<b>TOTAL</b>		<b>399</b>	<b>778</b>	<b>828</b>	<b>860</b>	<b>879</b>	<b>829</b>	<b>855</b>	<b>897</b>	<b>875</b>	<b>937</b>	<b>987</b>	<b>984</b>	<b>948</b>	<b>916</b>	<b>11,972</b>

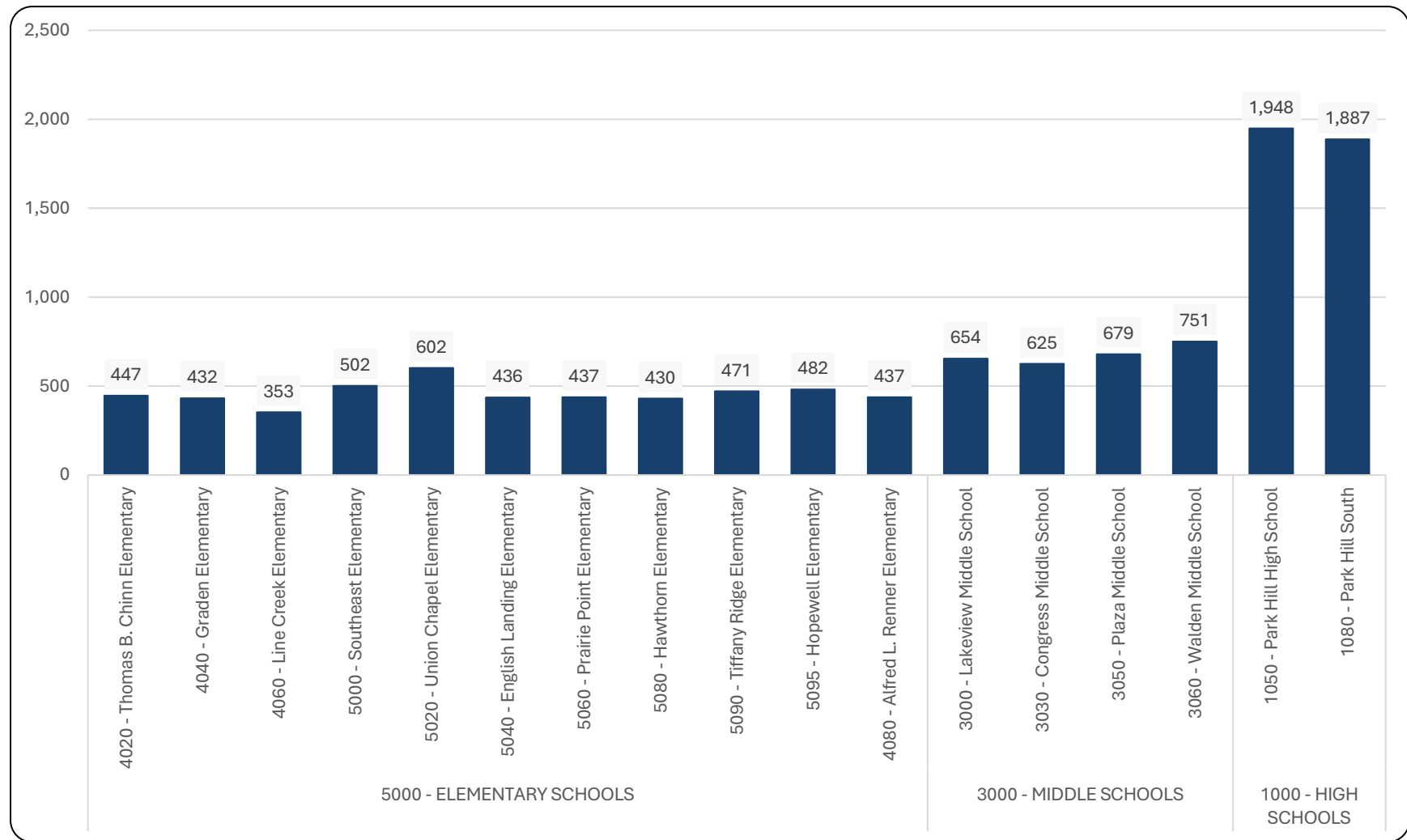
K-12 STUDENT PROGRAM ENROLLMENT (CHART)



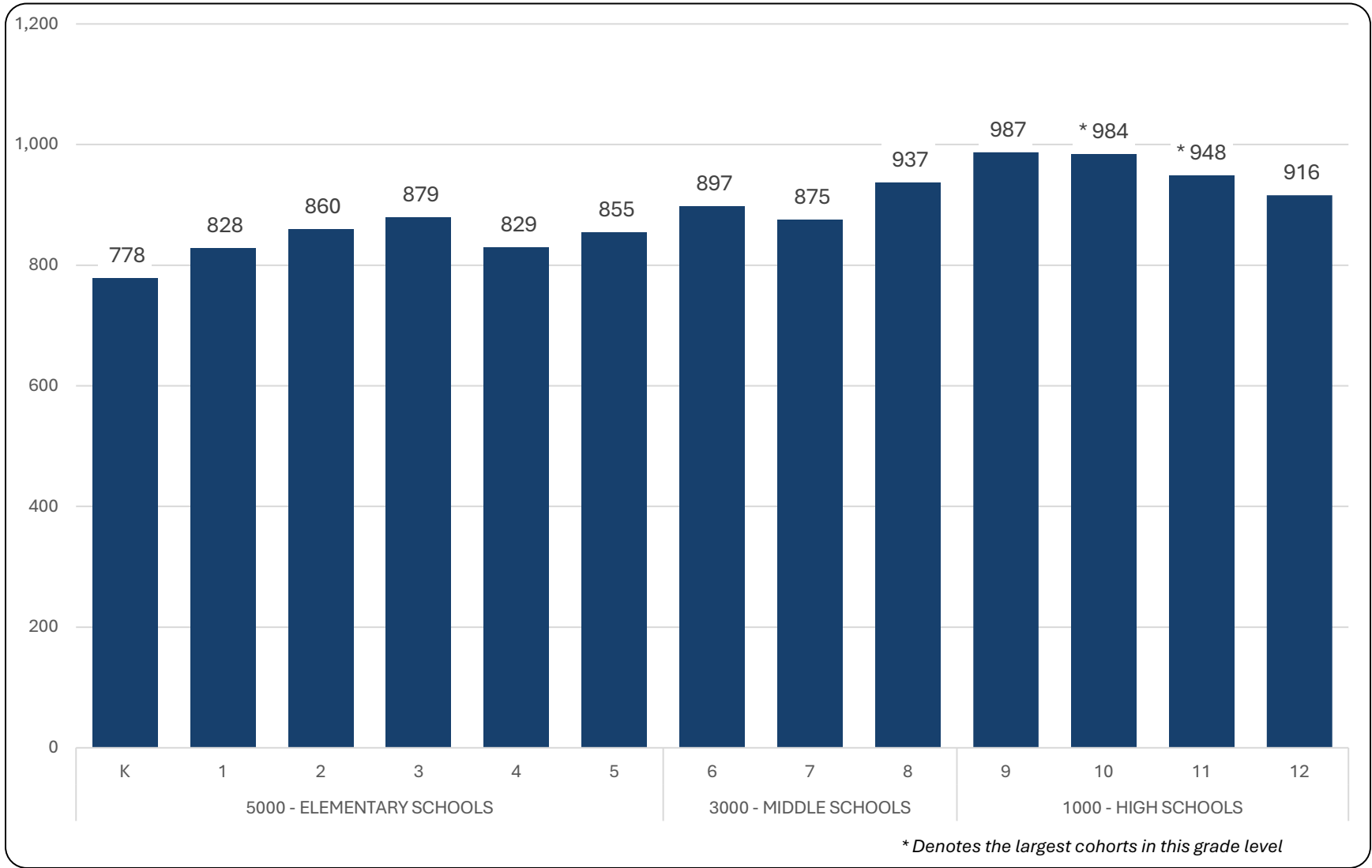
CHANGE IN K-12 STUDENT PROGRAM ENROLLMENT FROM PRIOR YEAR

School	2022-2023	2023-2024	Enrollment Growth	% Growth
1050 - Park Hill High School	1,502	1,617	+115	7.7%
5060 - Prairie Point Elementary	422	436	+14	3.3%
1080 - Park Hill South	1,589	1,634	+45	2.8%
5040 - English Landing Elementary	425	435	+10	2.4%
4080 - Alfred L. Renner Elementary	426	435	+9	2.1%
5000 - Southeast Elementary	497	501	+4	0.8%
3060 - Walden Middle School	741	743	+2	0.3%
7500 - Gerner Family Early Education Center	399	399	0	0.0%
5095 - Hopewell Elementary	479	478	-1	-0.2%
5020 - Union Chapel Elementary	602	600	-2	-0.3%
4020 - Thomas B. Chinn Elementary	449	446	-3	-0.7%
5090 - Tiffany Ridge Elementary	471	467	-4	-0.8%
3030 - Congress Middle School	643	623	-20	-3.1%
4060 - Line Creek Elementary	362	348	-14	-3.9%
3000 - Lakeview Middle School	684	651	-33	-4.8%
5080 - Hawthorn Elementary	452	430	-22	-4.9%
3050 - Plaza Middle School	716	678	-38	-5.3%
6000 - Russell Jones Education Center	54	50	-4	-7.4%
4040 - Graden Elementary	474	429	-45	-9.5%
1020 - LEAD Innovation Studio	658	572	-86	-13.1%
<b>Total</b>	12,045	11,972	(73)	-0.6%

K-12 ENROLLMENT BY SCHOOL (RESIDENT ENROLLMENT)



PARK HILL SCHOOL DISTRICT GRADE LEVEL DISTRIBUTION

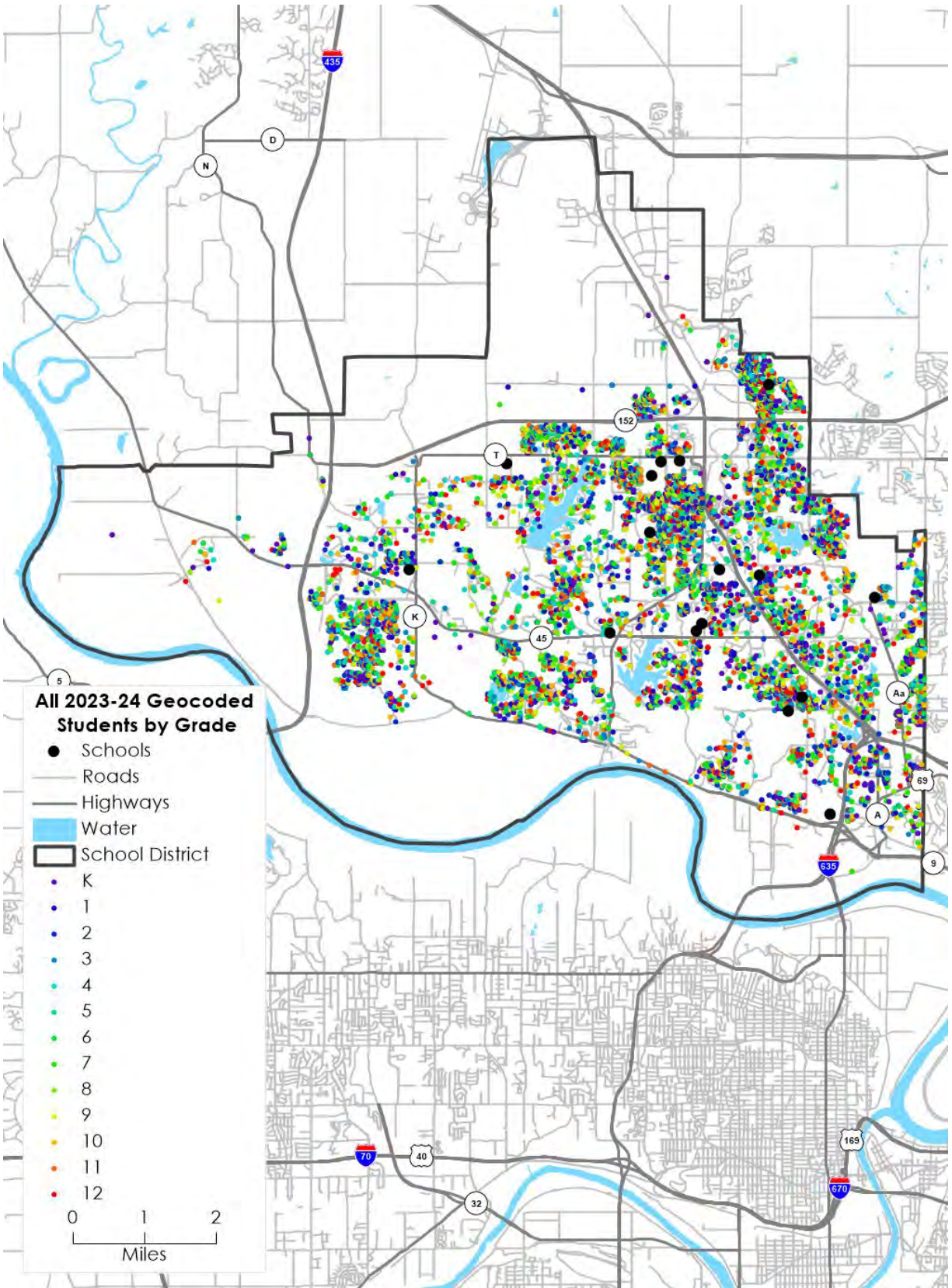


## PARK HILL SCHOOL DISTRICT COHORT SIZE ANALYSIS

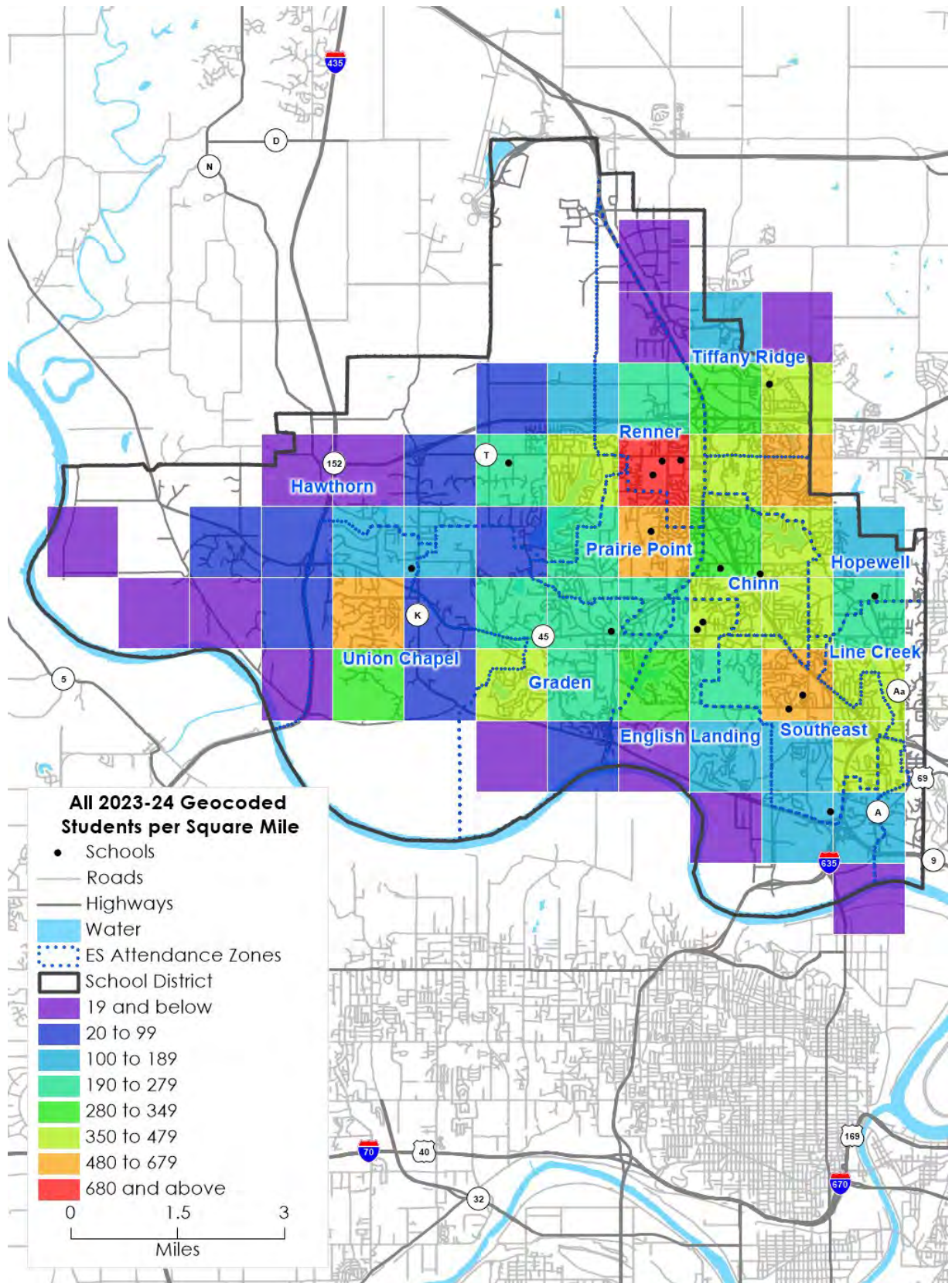
The table below displays the largest cohort per grade level and the school year in which that cohort and grade was present in the school district. The values highlighted in orange depict the largest cohorts in the current school year.

<i>Grade Level</i>	<b>2023-2024 Cohort Size</b>	<b>Maximum Cohort Size</b>	<b>School Year with Max Size</b>
<b>K</b>	778	865	2019-2020
<b>1</b>	828	878	2018-2019
<b>2</b>	860	914	2017-2018
<b>3</b>	879	923	2018-2019
<b>4</b>	829	933	2018-2019
<b>5</b>	855	940	2020-2021
<b>K-5 Subtotal</b>	5,029	5,283	2019-2020
<b>6</b>	897	946	2019-2020
<b>7</b>	875	943	2021-2022
<b>8</b>	937	963	2022-2023
<b>6-8 Subtotal</b>	2,709	2,838	2021-2022
<b>9</b>	987	989	2021-2022
<b>10</b>	984	984	<b>2023-2024</b>
<b>11</b>	948	948	<b>2023-2024</b>
<b>12</b>	916	926	2020-2021
<b>9-12 Subtotal</b>	3,835	3,835	<b>2023-2024</b>
<b>Grand Total</b>	11,573	11,707	2019-2020
<b>Enrollment Growth</b>	-73	385	2015-2016
<b>Enrollment Growth %</b>	-0.6%	4.7%	1992-1993

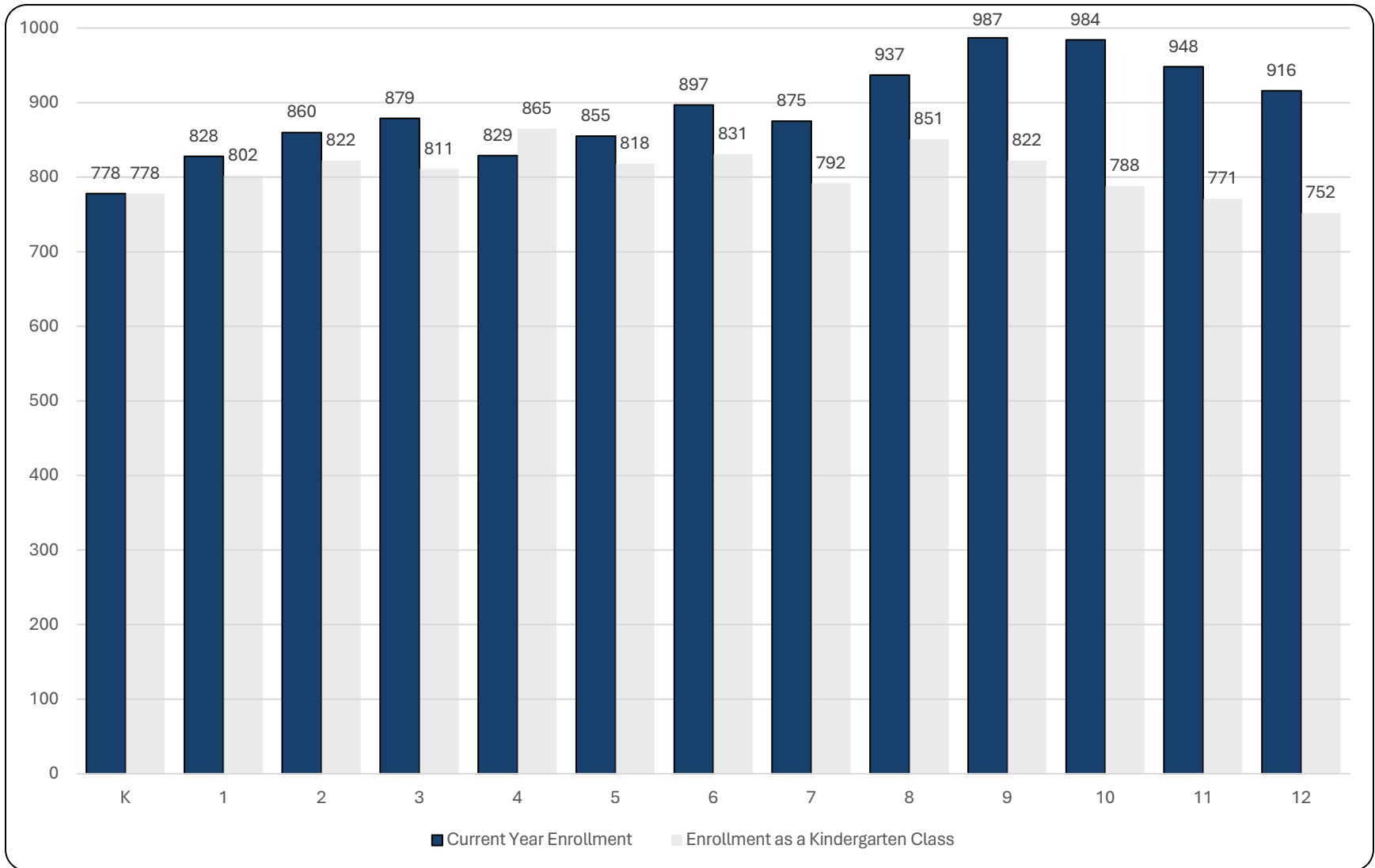
# PARK HILL SCHOOL DISTRICT STUDENT GEOGRAPHIC DISTRIBUTION



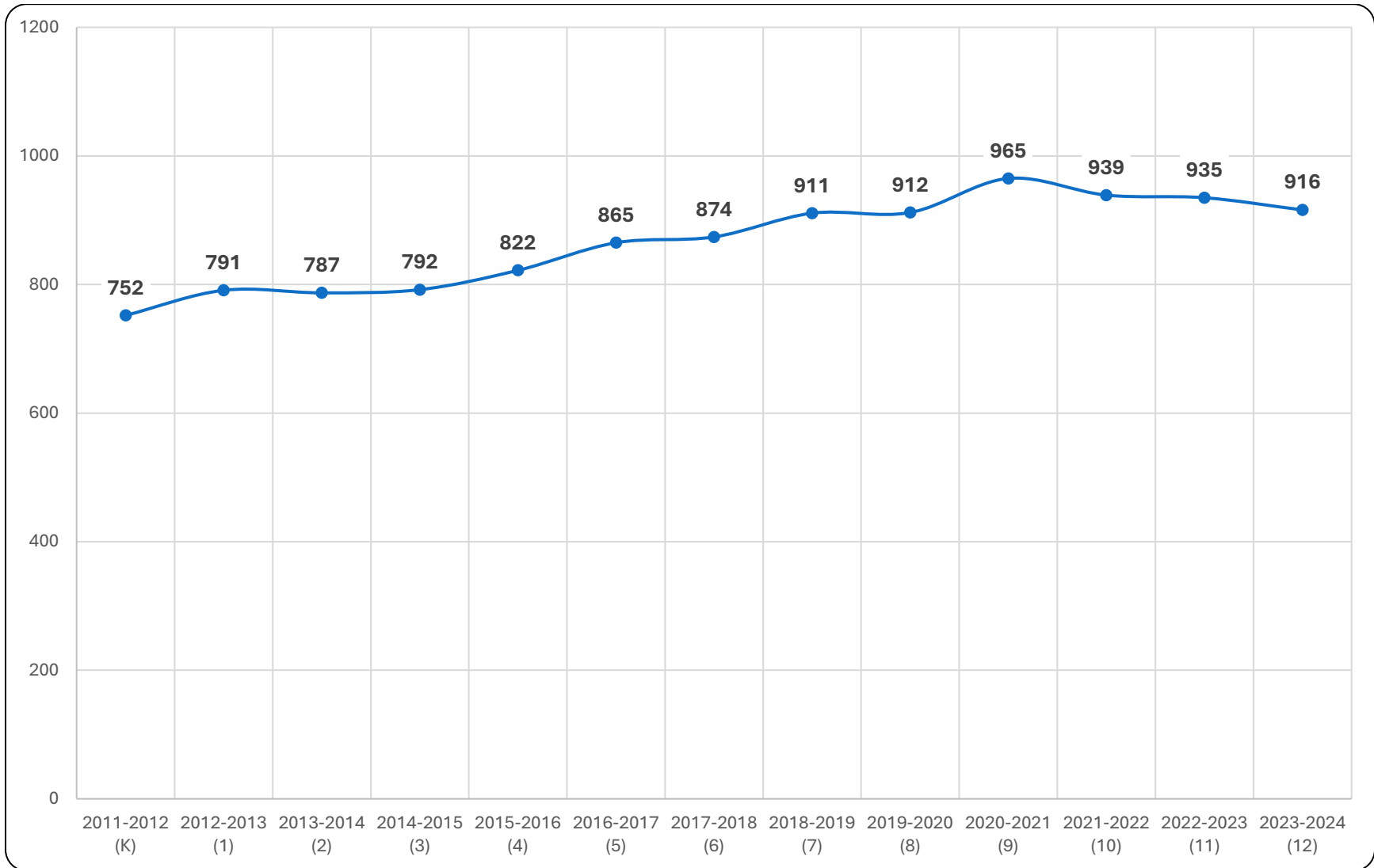
PARK HILL SCHOOL DISTRICT STUDENT ENROLLMENT DENSITY



PARK HILL SCHOOL DISTRICT GRADE LEVEL DISTRIBUTION AND COHORT GROWTH SINCE KINDERGARTEN



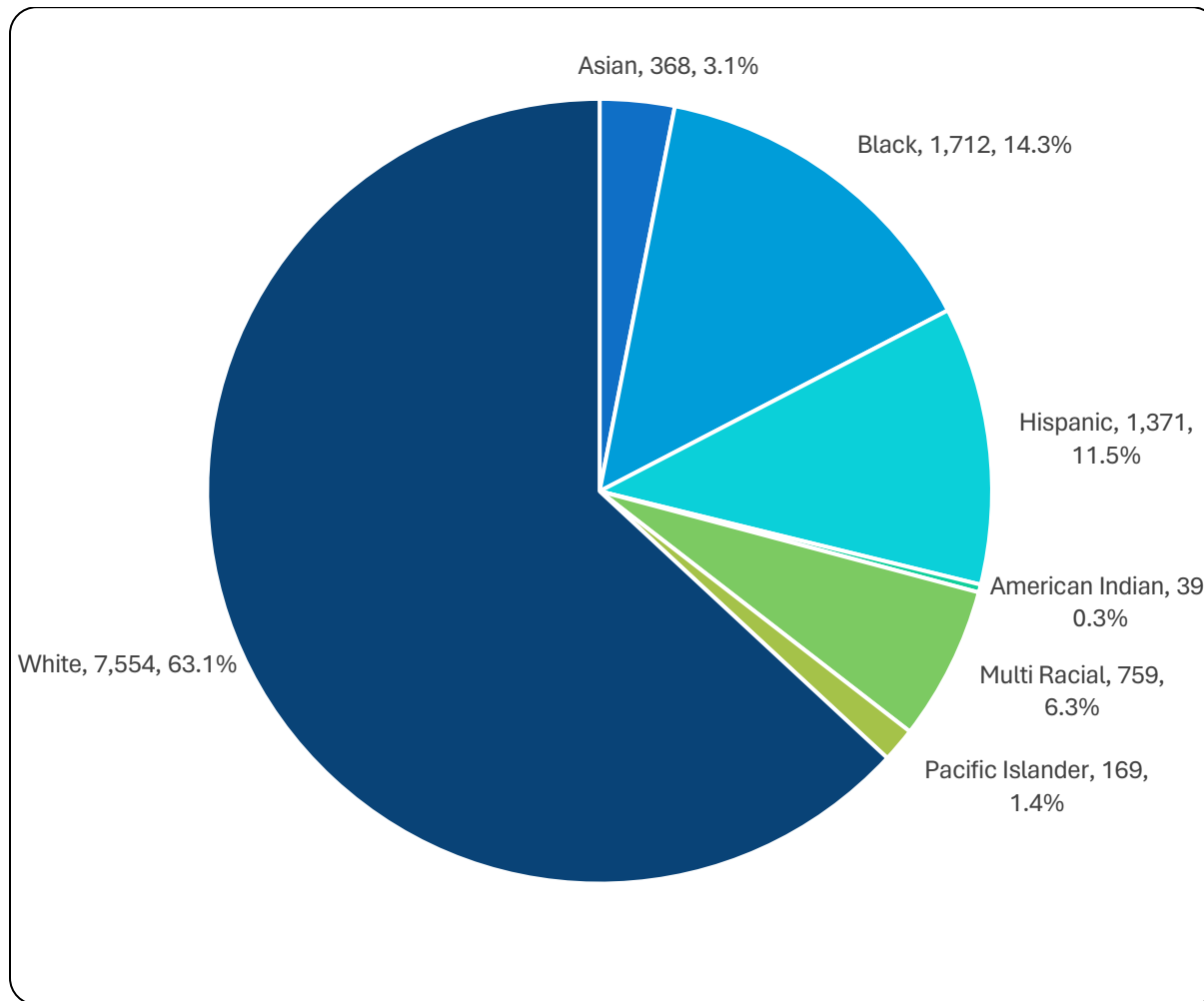
PARK HILL SCHOOL DISTRICT CURRENT SENIOR CLASS COHORT GROWTH – KINDERGARTEN THROUGH 12<sup>TH</sup> GRADE



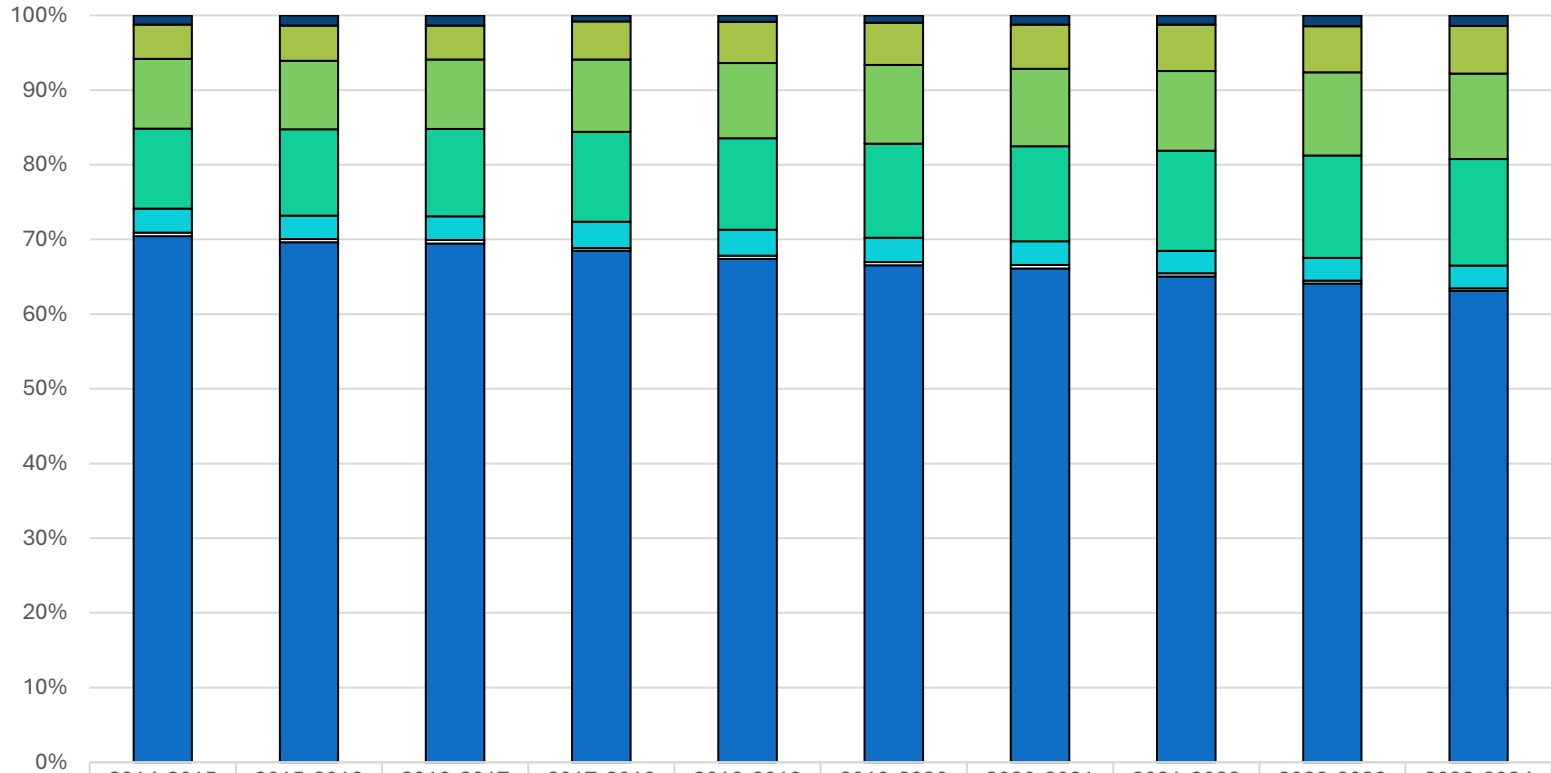
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PARK HILL SCHOOL DISTRICT DIVERSITY OF CURRENT PRE-K – 12 GRADE ENROLLMENT

The chart below shows the diversity of the 2023-2024 Pre-K-12 enrollment.

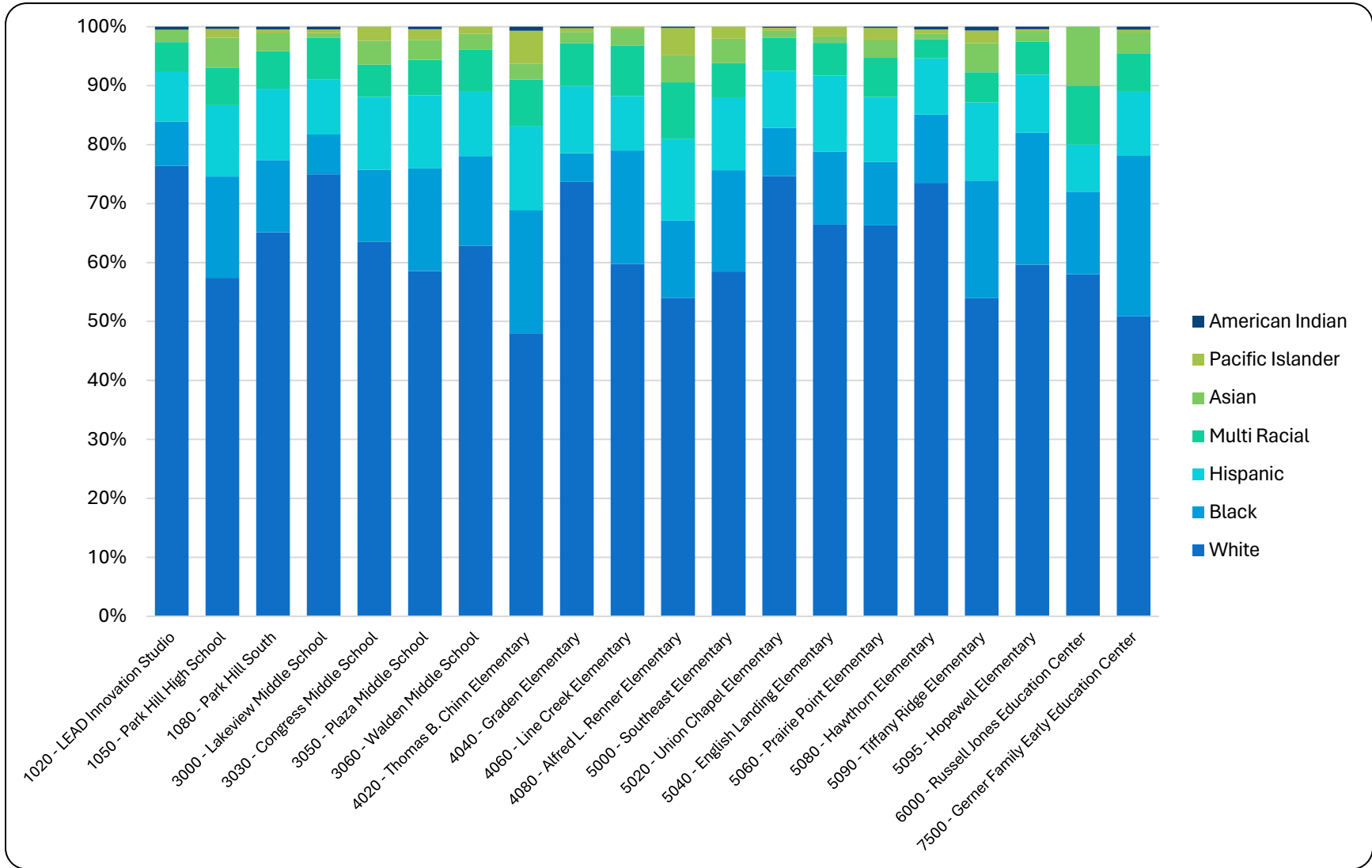


PARK HILL SCHOOL DISTRICT CHANGE IN DIVERSE POPULATIONS

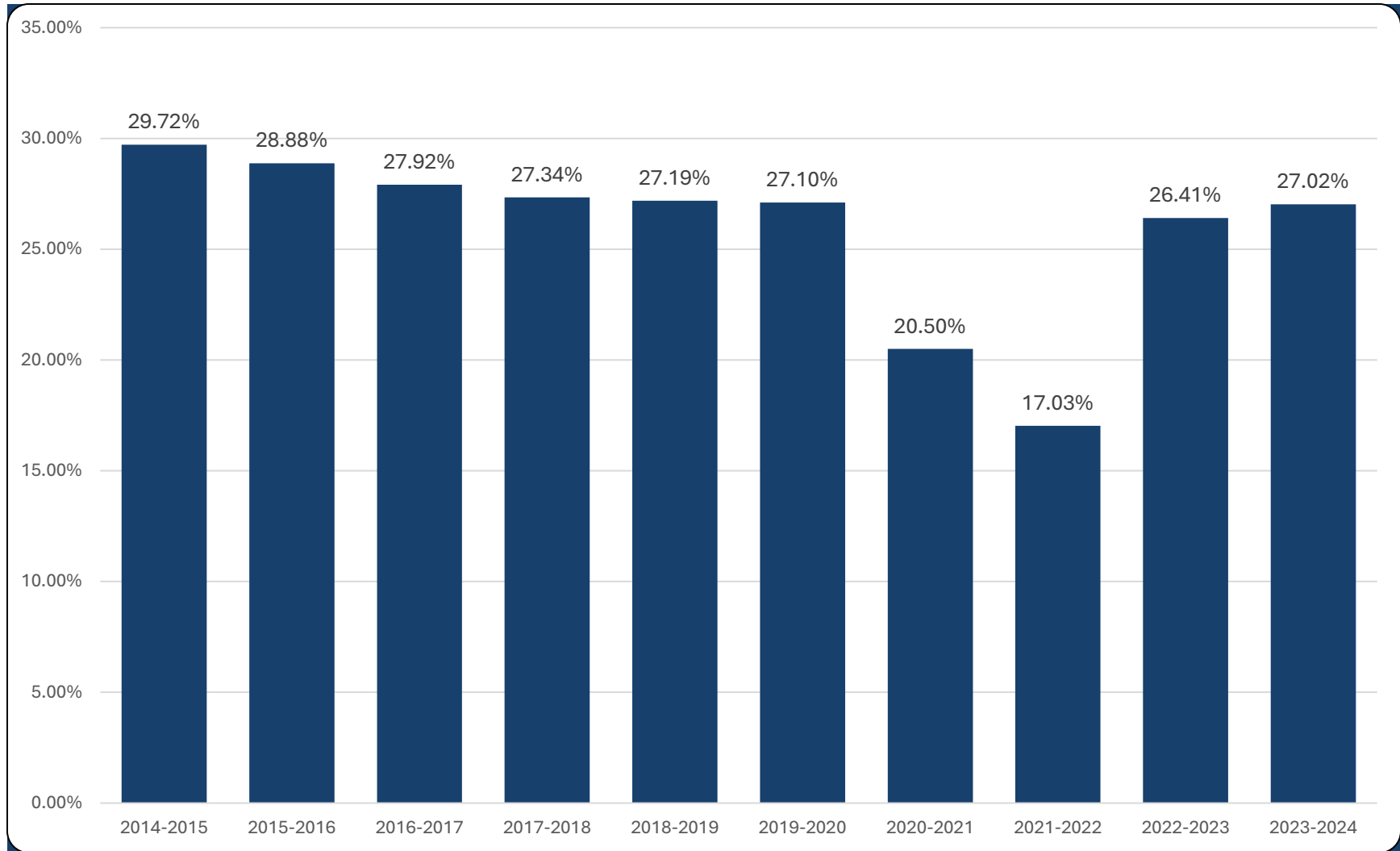


	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
■ Pacific Islander	130	152	155	91	98	114	146	148	172	170
■ Multi Racial	493	523	510	583	641	660	711	749	746	760
■ Hispanic	1,001	1,019	1,053	1,113	1,171	1,238	1,247	1,283	1,341	1,370
■ Black	1,145	1,283	1,318	1,380	1,425	1,471	1,528	1,609	1,650	1,707
■ Asian	347	351	360	401	401	382	377	361	369	368
□ American Indian	49	47	49	40	49	54	56	50	45	39
■ White	7,548	7,736	7,842	7,850	7,832	7,790	7,938	7,824	7,722	7,556

PARK HILL SCHOOL DISTRICT DIVERSE POPULATIONS BY SCHOOL

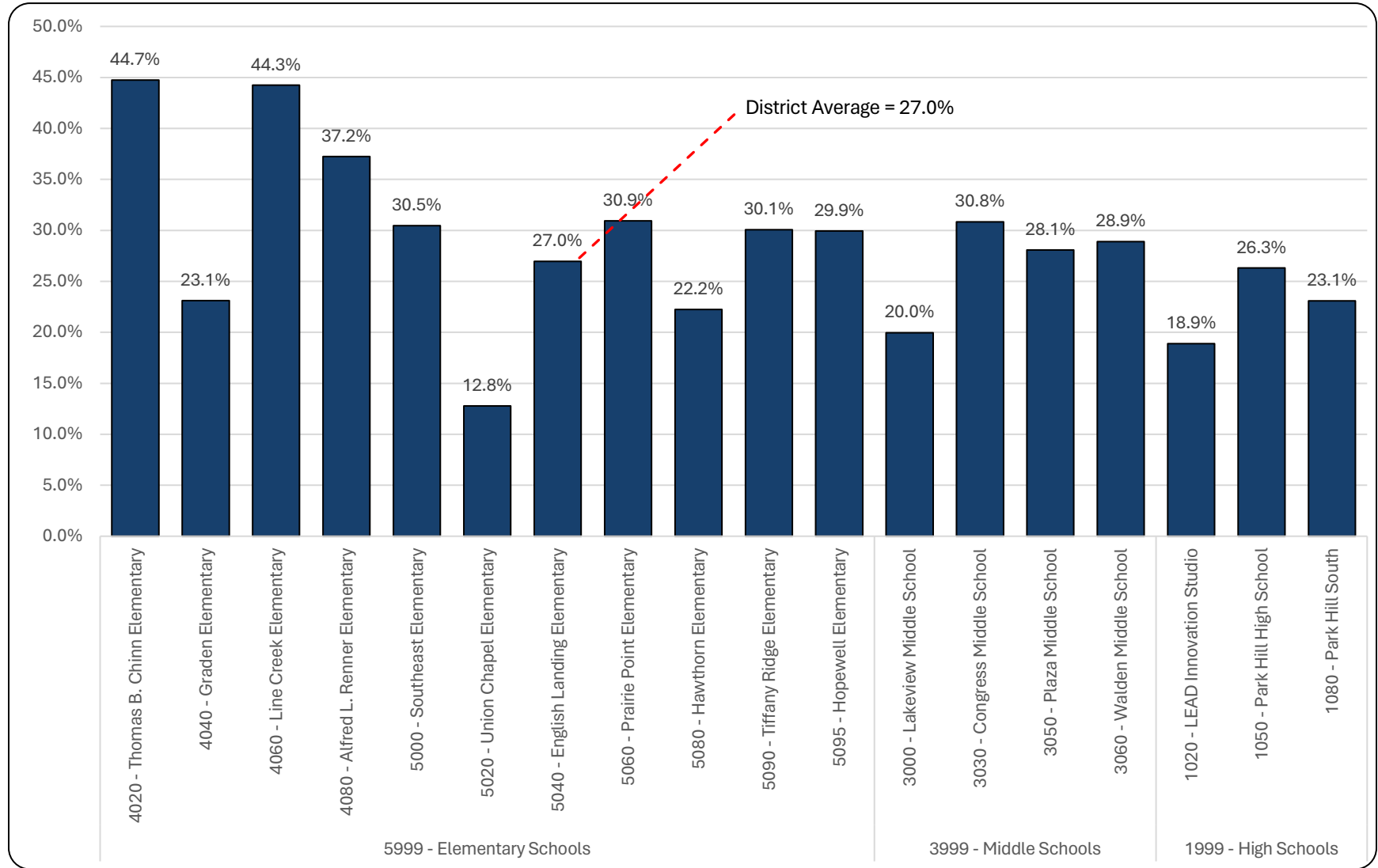


PARK HILL SCHOOL DISTRICT GROWTH IN FREE AND REDUCED LUNCH POPULATION\*



\* Official Free and Reduced Lunch Counts are based on January Membership Counts

PARK HILL SCHOOL DISTRICT FREE AND REDUCED LUNCH POPULATION BY SCHOOL\*



\* Official Free and Reduced Lunch Counts are based on January Membership Counts

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## PARK HILL SCHOOL DISTRICT MOBILITY DATA

One of the major challenges facing schools is student mobility. A student is considered mobile when they transfer schools. Unfortunately, mobility has been demonstrated to be associated with many negative outcomes, including low achievement, grade retention, and dropping out. Students who are in a school or district for a relatively short time do not have as great of an opportunity to benefit from consistent educational programming.

Park Hill School District, like any district, is forced to deal with issues related to mobility. While the educational programming that students receive may not differ significantly when transferring from one building to the next within the district, the same cannot be assumed for transferring in from other districts. The following charts display student mobility rates for Park Hill School District, as defined by the percentage of students who are new to the district. “One-year mobility” is the percentage of current students who were not in Park Hill School District last year. More specifically, these students were here on the 2021-2022 September count day but not here on the 2020-2021 September count day. “Two-year mobility” is the percentage of current students who were not in the Park Hill School District two years ago, based on them not being in the district on the past two years’ count days. Kindergarten students are not included in the one-year student mobility rates. Likewise, kindergarten and first grade students are not included in the two-year student mobility calculation.

This section of the *2022-2023 Demographic Profile & Enrollment Projections* depicts seven graphs showing student mobility rates for Park Hill School District, as defined by the percentage of students who are new to the Park Hill School District.

**District Mobility.** This graph shows the number of students new to the district for the last two school years.

**Mobility by Grade Span.** This graph disaggregates the mobility data by grade span for the last two school years.

**Mobility by Ethnicity.** This graph disaggregates the mobility data by ethnicity for the last two school years.

**Mobility by Free and Reduced Lunch Status.** This graph disaggregates the mobility data by free and reduced lunch status.

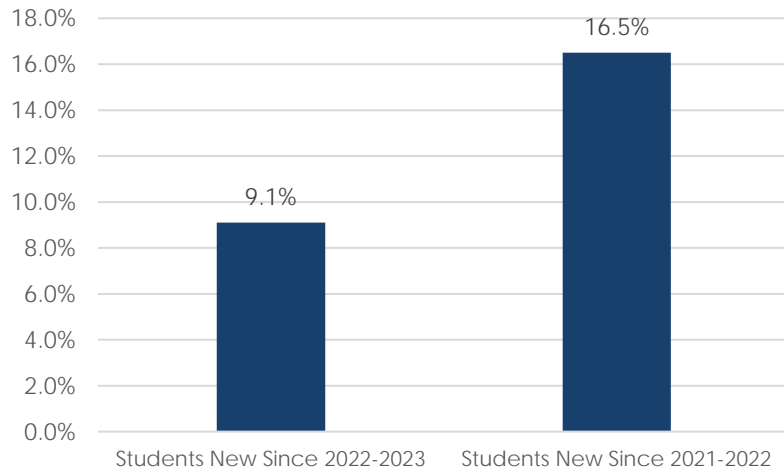
**Mobility by School.** This graph disaggregates the mobility data by school.

**Continuous Park Hill Enrollment Since Kindergarten (Current Year).** This graph shows the number of students in each grade level that have been Park Hill School District students for their entire school careers.

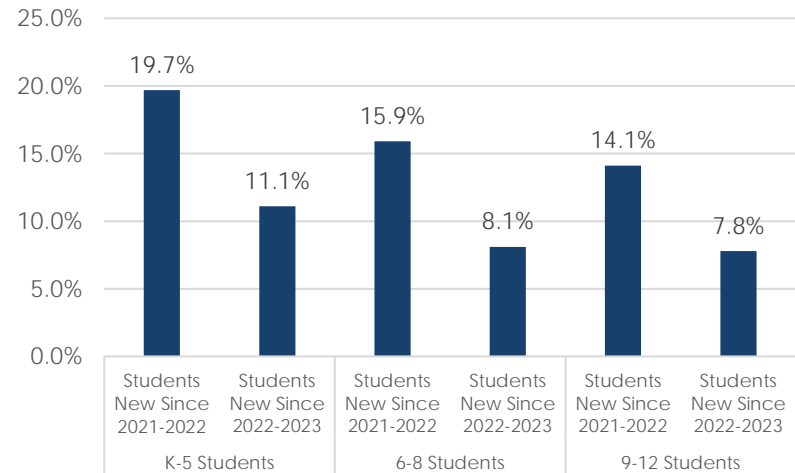
**10-Year Historical Mobility of Students.** This graph shows the 1- and 2-year mobility rate over the last 10 years.

**DISTRICT MOBILITY**

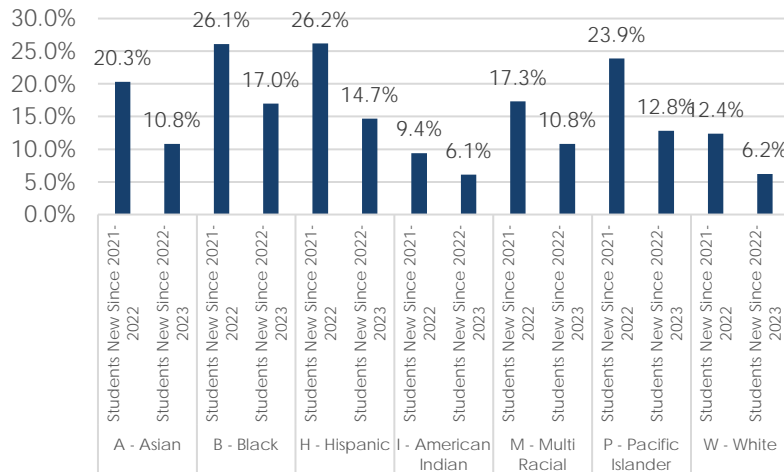
**District Mobility**



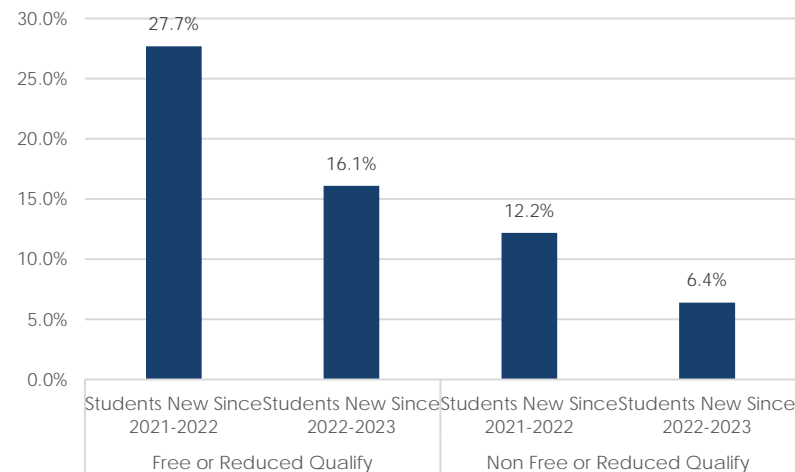
**Mobility by Grade Span**



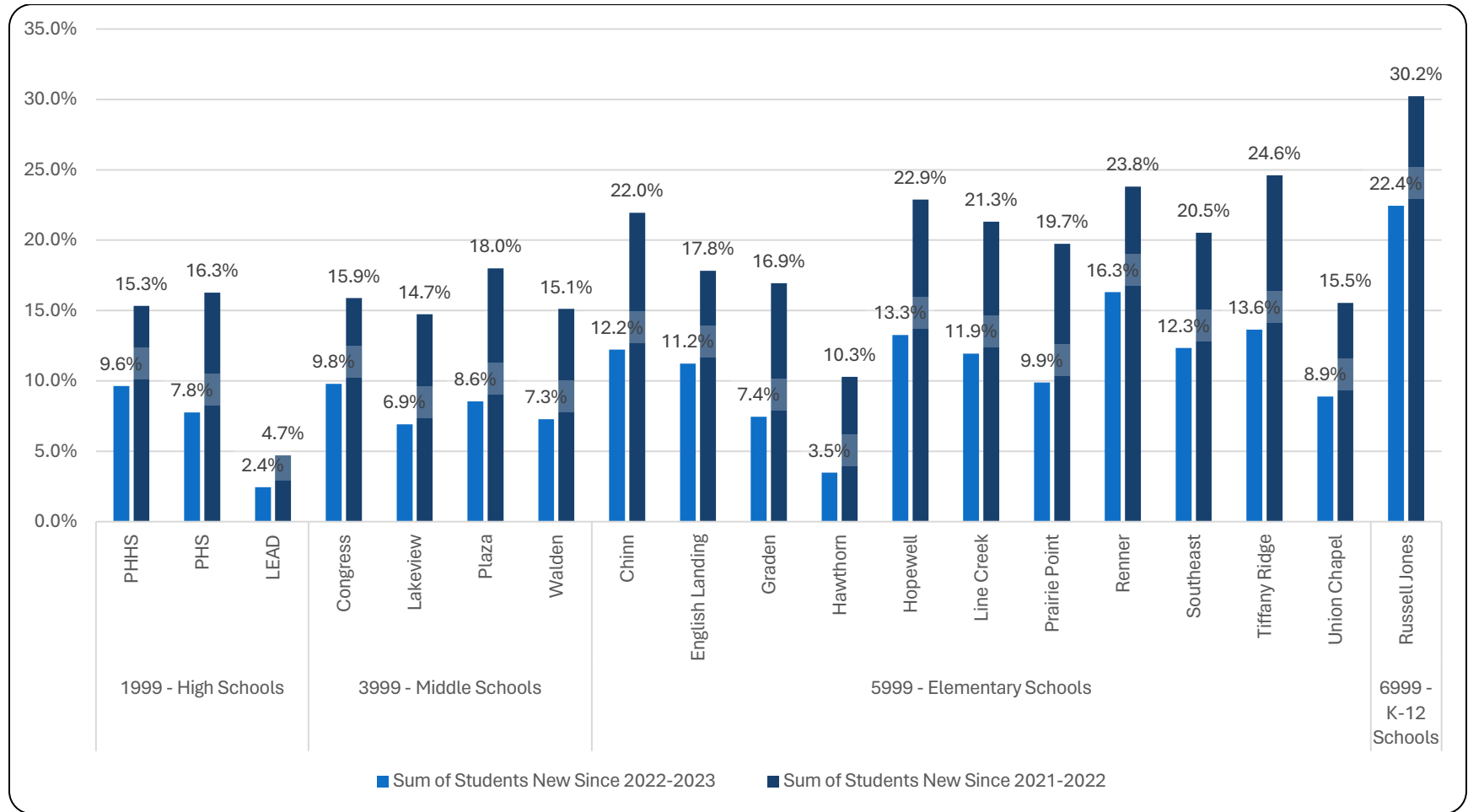
**Mobility by Ethnicity**



**Mobility by Free and Reduced Lunch Status**

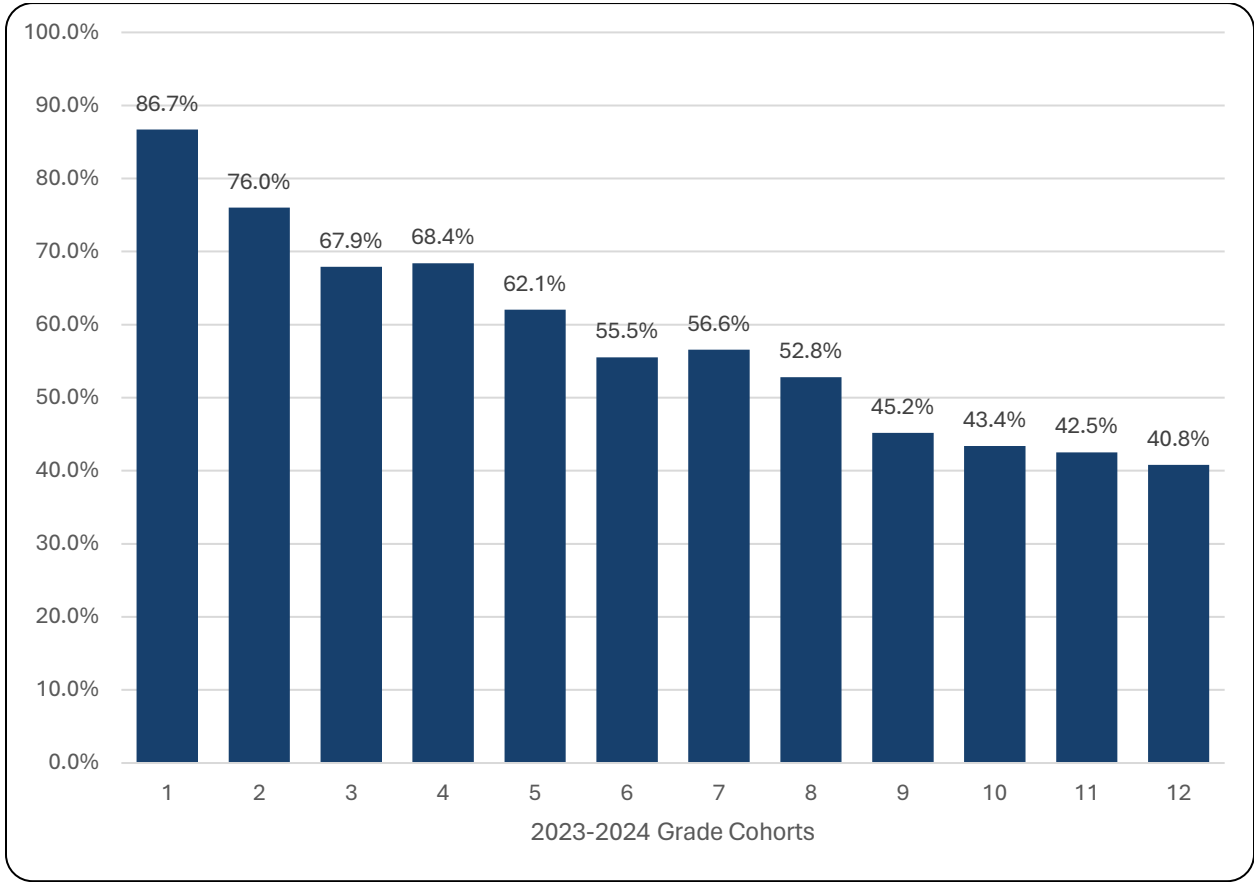


**Mobility by School**



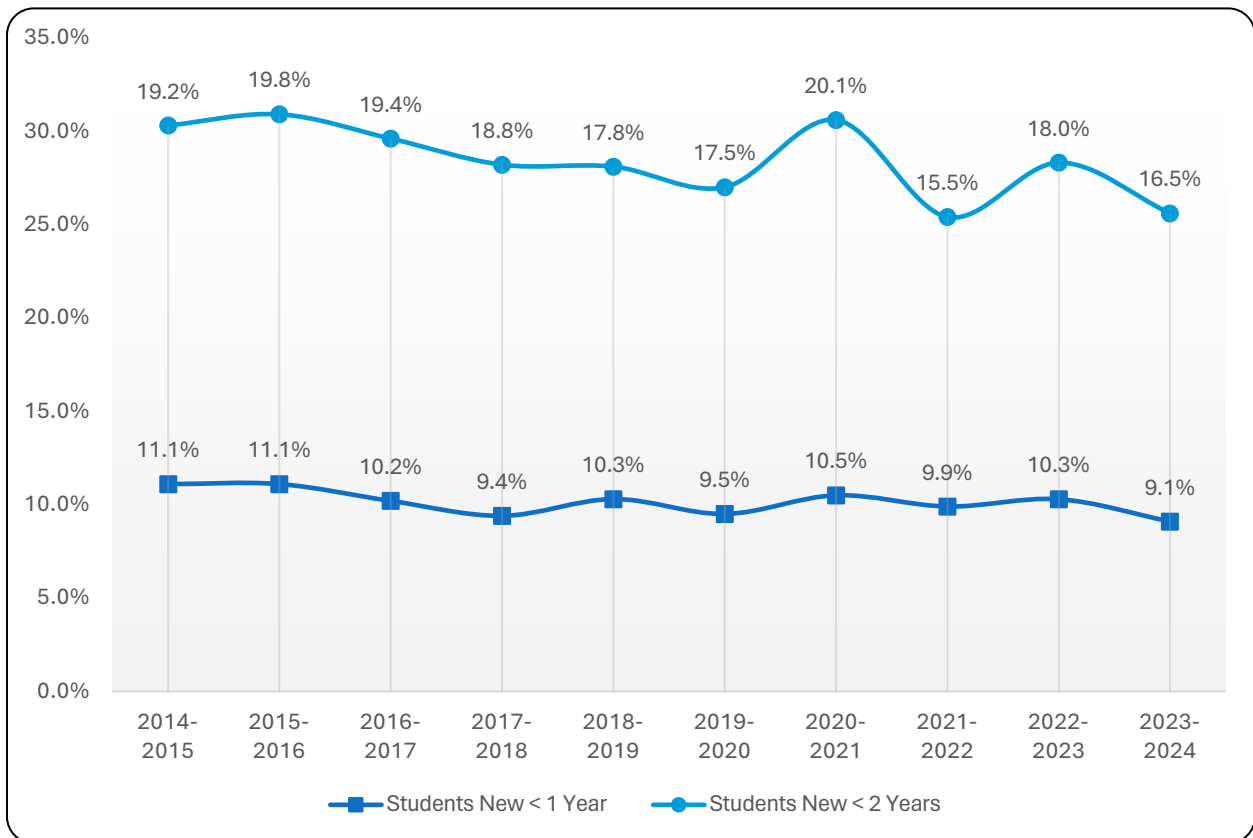
CONTINUOUS PARK HILL ENROLLMENT SINCE KINDERGARTEN (CURRENT YEAR)

The table below shows the percentage of each current grade level cohort that have been enrolled continuously since kindergarten. For example, 40.8% of the district's current 12<sup>th</sup> grade/senior class has been enrolled continuously in the school district since their kindergarten year.



10-YEAR HISTORICAL MOBILITY OF STUDENTS

School Year	Students in Park Hill School District < 1 Year	Students in Park Hill School District < 2 Years
2014-2015	11.10%	19.20%
2015-2016	11.10%	19.80%
2016-2017	10.20%	19.40%
2017-2018	9.40%	18.80%
2018-2019	10.30%	17.80%
2019-2020	9.50%	17.50%
2020-2021	10.50%	20.10%
2021-2022	9.90%	15.50%
2022-2023	10.29%	18.02%
2023-2024	9.10%	16.50%



## SUPPORTING DEMOGRAPHIC DATA

### PLATTE COUNTY LIVE BIRTHRATES AND KINDERGARTEN ENROLLMENTS

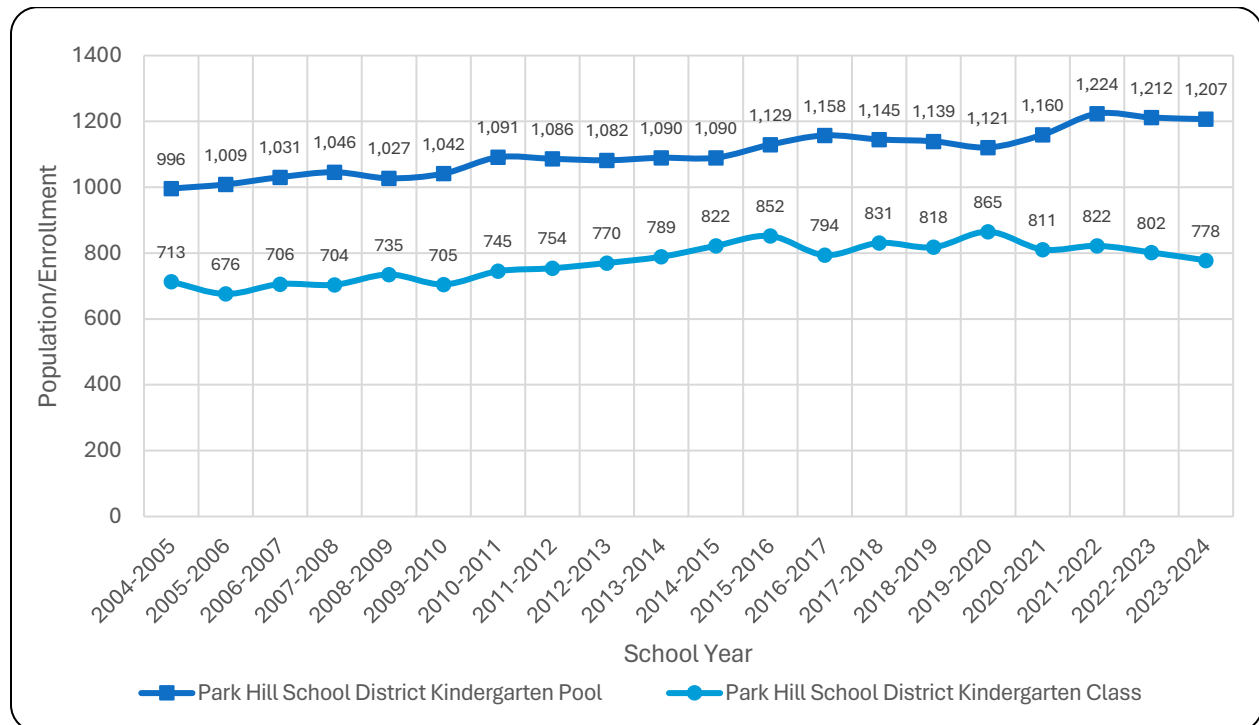
#### KINDERGARTEN POOLS & BIRTHRATE DATA

Birthrate data is collected for Platte County by the Missouri Department of Health and is utilized in projecting future kindergarten class sizes. Although not all Platte County births ultimately attend Park Hill School District (four public school districts service families in Platte County), there has been a historical link between the live birthrate in the county, and the subsequent kindergarten enrollment. For example, births between August 2013 – July 2014 yielded one the highest number of births that Platte County had ever seen (1,121), and subsequently yielded Park Hill School District’s largest kindergarten class during the 2019-2020 school year (865). This cohort will continue to grow as they move through their educational careers in Park Hill – a phenomenon known as “cohort growth”.

The number of births in Platte County is used as the “Kindergarten Pool” for Park Hill School District. The Kindergarten pool is evaluated with the actual Kindergarten class size to generate a rate in which infants born in Platte County become district Kindergarteners.

#### BIRTHRATE (KINDERGARTEN POOLS) AND KINDERGARTEN CLASS SIZE DATA

The table below lists the Platte County birth data and corresponding kindergarten enrollment (5 years later).



The kindergarten class of 2023-2024 is 778 students and represents a decrease in the kindergarten class from 2022-2023 (-24). The percentage of Platte County births compared to kindergarten enrollment five years later continues to fall within the range of 66-73%, currently at a five-year average of 70.4%.

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## HOUSEHOLD DATA

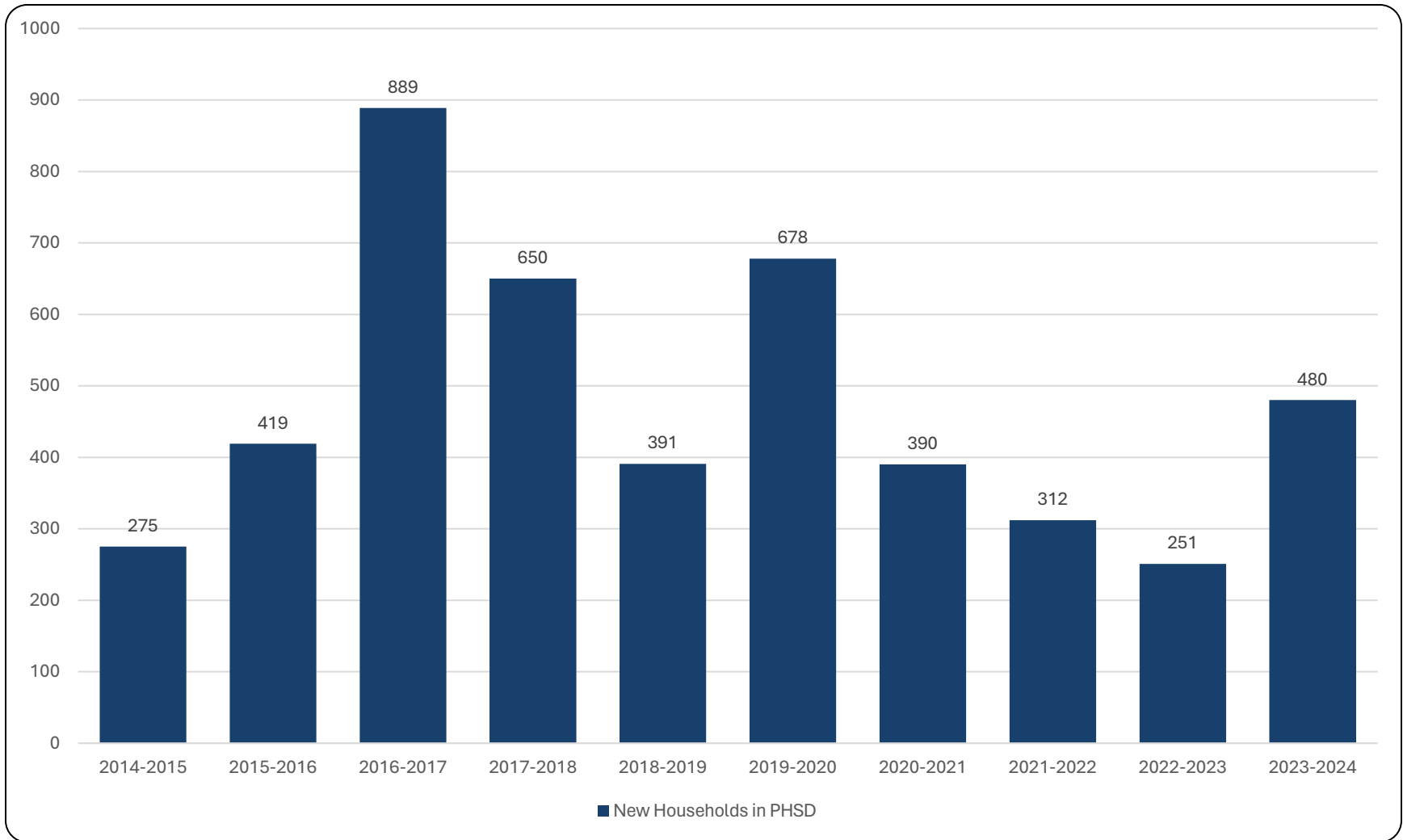
New households within the Park Hill School District communities are calculated through review of monthly reports submitted to the district by the Home Builders Association of Greater Kansas City, Platte County (Permit Reports), and the Kansas City Planning and Development Department. Households are classified as either single-family residences, or multi-family residences. Multi-family residences include duplexes, fourplexes and apartment complexes.

As of 2022-2023, the communities that make up the Park Hill School District include 33,943 households. This equates to approximately 0.34 school-aged (K-12) children per household. Households have steadily increased over the last five years as more residential development has occurred. Since 2018, the district has seen an annual increase in new households at approximately 480 new households per year. In 2022, 251 new households were constructed, reflecting the lowest number of new households since 2014 (275). New home construction in the Park Hill School District is consistent with the metropolitan Kansas City area.

The next page includes the graph:

**New Households within the School District – 10-Year History.** This graph shows the number of new homes constructed within the school district over the last ten years.

NEW HOUSEHOLDS WITHIN THE SCHOOL DISTRICT – 10-YEAR HISTORY



## SCHOOL-AGE CHILDREN WITHIN PARK HILL SCHOOL DISTRICT HOUSEHOLDS

The number of students per household in the Park Hill School District has remained steady over the last decade. The table below shows data from the last ten years, with the number of households in the Park Hill School District in 2023-2024 at 34,674.

As of 2023-2024, **each Park Hill household yields 0.3338 K-12 students**, or approximately 1 student per every 3 households. The number of K-12 students per household in the district has remained between 0.33 to 0.36 over the last ten years.

School Year	District Enrollment	Households in PHSD	Students Per Household
2013-2014	10,467	29,939	0.3496
2014-2015	10,684	30,214	0.3536
2015-2016	11,069	30,633	0.3613
2016-2017	11,240	31,522	0.3566
2017-2018	11,458	32,172	0.3561
2018-2019	11,611	32,563	0.3566
2019-2020	11,707	33,241	0.3522
2020-2021	11,692	33,631	0.3477
2021-2022	11,695	33,943	0.3445
2022-2023	11,646	34,194	0.3406
2023-2024	11,573	34,674	0.3338
		<b>3 Year Average</b>	<b>0.3396</b>
		<b>5 Year Average</b>	<b>0.3437</b>
		<b>7 Year Average</b>	<b>0.3472</b>

## FUTURE ENROLLMENT PROJECTIONS

### INTRODUCTION

Student enrollment projections are incredibly valuable for school districts, offering crucial insights for strategic planning and resource allocation.

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### EFFECTIVE BUDGETING AND RESOURCE MANAGEMENT

- **Anticipate funding needs:** By understanding future enrollment numbers, districts can accurately estimate financial requirements for staffing, facilities, and learning materials. This prevents overspending or under-budgeting, ensuring efficient resource allocation.
- **Optimize staffing levels:** Knowing future student numbers helps plan staffing needs for teachers, support staff, and administrators. This avoids overstaffing during enrollment declines or understaffing during increases, ensuring quality education for every student.
- **Prioritize facility investments:** Enrollment projections inform decisions on building new schools, expanding existing ones, or repurposing facilities. This allows districts to avoid overcrowding or underutilization of buildings, saving costs and optimizing learning environments.

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### STRATEGIC PLANNING AND PROGRAM DEVELOPMENT

- **Identify program needs:** Understanding grade-level enrollment trends can help anticipate demand for specific programs, like early childhood education or high school vocational training. This allows districts to proactively develop and expand programs to meet student needs.
- **Address capacity issues:** Projections can identify potential overcrowding or under-enrollment in specific schools. This allows districts to address these issues through redistricting, school choice options, or targeted outreach efforts.
- **Inform long-term planning:** Enrollment data can be used to forecast future infrastructure needs, demographic shifts, and community development trends. This helps districts plan decades ahead and make informed decisions about their long-term goals and strategies.

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### COMMUNITY ENGAGEMENT AND ADVOCACY

- **Demonstrate accountability:** Accurate enrollment projections can be shared with the community to demonstrate transparency and responsible planning. This builds trust and strengthens relationships with parents, stakeholders, and policymakers.
- **Advocate for resources:** Understanding future enrollment trends can help districts build a compelling case for additional funding or resources from local or state governments. This ensures adequate funding for the growing needs of the student population.

- **Identify community needs:** Enrollment data can inform community outreach efforts and identify areas with underserved populations or special needs. This fosters collaboration with community organizations and strengthens support for public education.

Overall, student enrollment projections are powerful tools for strategic decision-making. By leveraging these insights effectively, public school districts can ensure they are well-prepared to meet the needs of their current and future students, maximizing their resources and providing a quality education for all.

## DATA SOURCES

A comprehensive set of data sources are used to project future student enrollment in Park Hill School District. These data sources include:

- Historical Data Analysis of Student Enrollment
- Data from Cohort Survival Analysis
- Data from Demographic Analysis
- Housing and Development Data
- Economic and Employment Trend Data

Student Yield Ratios are calculated for each data source. Student Yield Ratios are the percentage of students from a specific age group (i.e., “school-aged children”) or grade level who typically enroll in schools. This can help estimate future enrollments based on the data source.

Time series forecasting, a form of linear regression, is a statistical technique used to predict future values of a variable based on its past observations, where the data points are collected at equally spaced time intervals. It is a valuable tool in various fields, including finance, economics, weather forecasting, and for forecasting student enrollment in K-12 school districts.

Statistical analysis of the data is compiled into five unique enrollment projection models that will provide independent enrollment projections for the school district:

- Model 1 – Enrollment Projections from Historical K-12 Park Hill School District Enrollment
- Model 2 – Enrollment Projections from US Census and Student Yield Ratios
- Model 3 – Enrollment Projections from Cohort Survival Rates and Kindergarten Pools
- Model 4 – Third-party Population Projections and Student Yield Ratios
- Model 5 – Household Data and Student Yield Ratios

To simplify reporting and analysis, school years are most often represented with a two-year designation, such as *2020-2021*, which represents the school year beginning in August 2020 and ending in June 2021. In some cases, school years are presented by a single year, such as 2021, shorthand for the 2020-2021 school year. This is done for brevity in the discussion when referring to different school years. Most demographic and population data are presented by calendar years, such as 2020, which refers to data between January

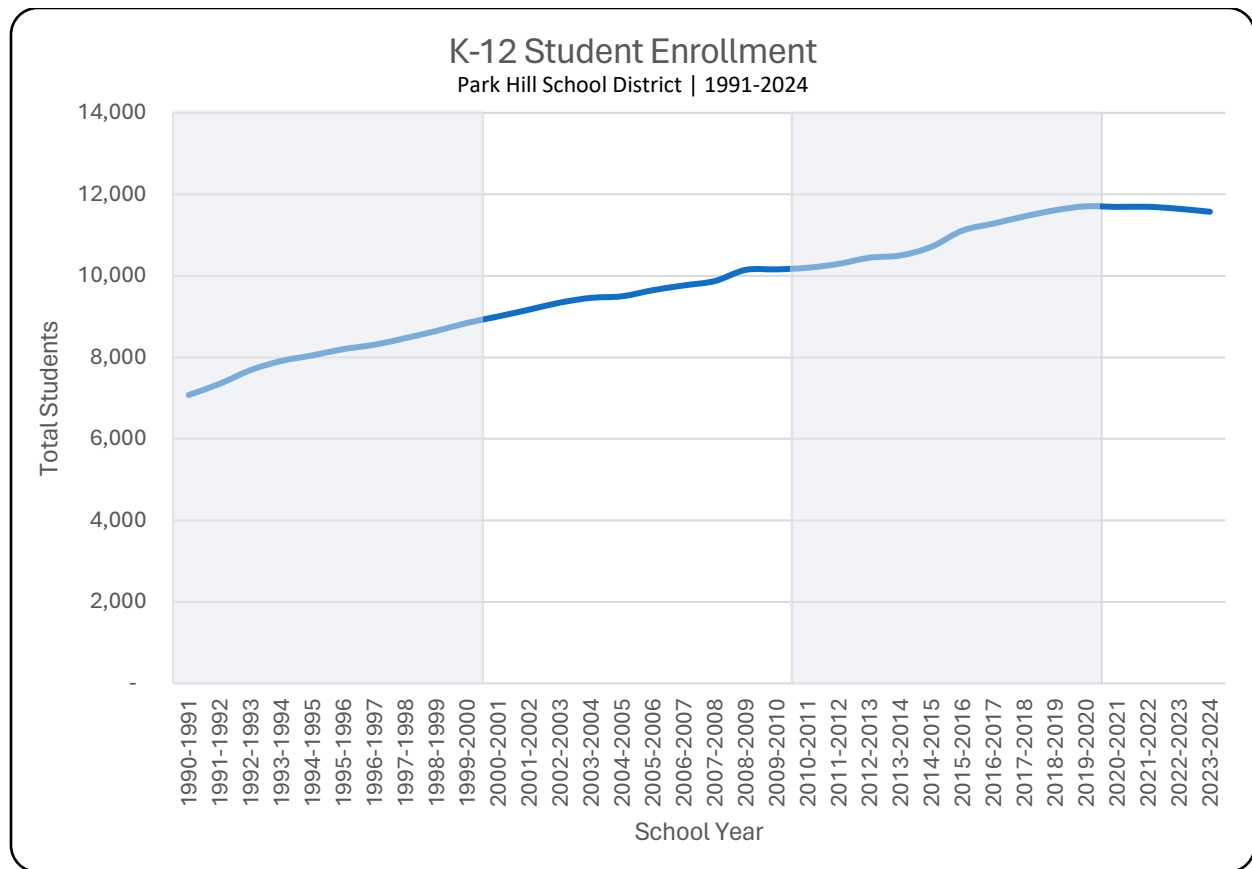
1 and December 31 of 2020. Distinctions between school and calendar years will be made throughout the report.

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## HISTORICAL DATA ANALYSIS OF STUDENT ENROLLMENT

Historical K-12 enrollment data in the Park Hill School District is used to analyze past enrollment trends to identify patterns, variations, and long-term trends. By understanding the unique enrollment patterns of Park Hill School District over time, enrollment forecasts can be made by applying these patterns into the future.

Historical K-12 enrollment data for Park Hill School District is provided by the school district and verified by the Missouri Department of Elementary and Secondary Education (DESE). DESE typically takes official K-12 enrollment counts for public schools on the last Wednesday in September. At the time of this report, the 2023-2024 enrollment submitted to DESE is considered “preliminary” data. The 2023-2024 K-12 enrollment used for these projections is 11,573.



Park Hill School District has experienced distinct enrollment growth trends over the last three decades.

**1991 through 2000.** Beginning with the 10-year span from 1991-2000, the total K-12 enrollment averaged an increase of +197 students per year. This steady growth resulted in a +27.2% increase during the decade.

The consistent annual enrollment growth started in the prior decade, with the 1983-1984 school year being

the last year where K-12 enrollment dropped (-80 students). After that year, the district sustained 37 consecutive years with positive student growth (ending in 2020-2021).

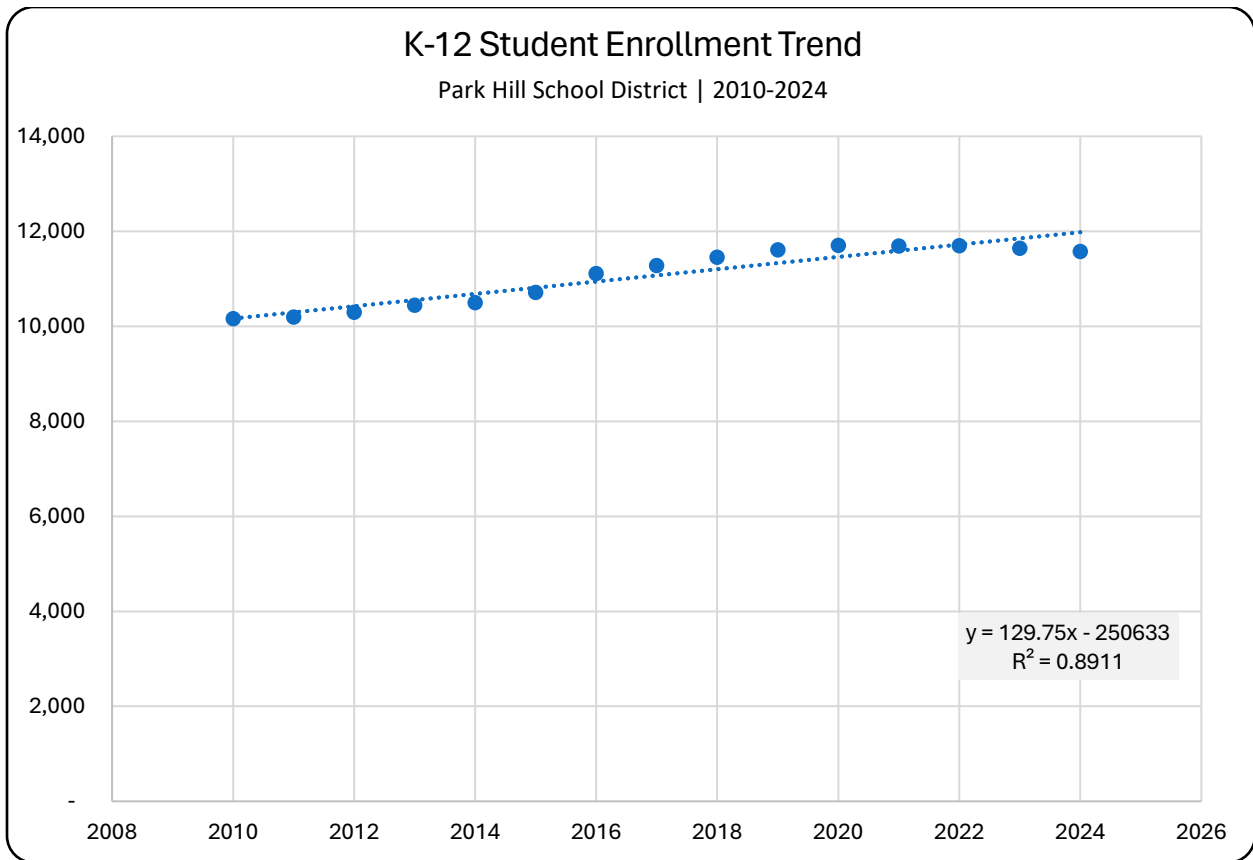
In 1991-1992, the district K-12 enrollment grew by +4.58%, which stands as the single largest annual percentage enrollment growth in the district's history.

**2001 through 2010.** During the 10-year span from 2001-2010, total enrollment continued to grow but the rate of growth slowed slightly to an average of +131 students per year and +13.3% for the entire decade. The decade concluded with an enrollment of 10,159 in 2010-2011.

**2011 through 2020.** The 10-year span from 2011-2020 continued the growth trend seen in the decade prior. From 2011 through 2020, enrollment grew each year by an average of +155 students, or +1.43% annually. In 2015-2016, the enrollment grew by +398 students, which stands as the largest enrollment single-year growth in the district's history. The decade concluded with a total enrollment of 11,707 which stands as the historical K-12 enrollment for the district.

**2021 through 2024.** The 2021-2030 decade began in 2020-2021 and ended 37 consecutive years of annual enrollment growth with the first annual enrollment decline since 1983-1984. In 2020-2021 district enrollment dropped by -15 students. That began a general trend of small enrollment drops in this decade, culminating with a total enrollment of 11,573 in the 2023-2024 school year.

The recency of the K-12 student enrollment decline in Park Hill School District over the last 5-years will be used in future enrollment projections by applying these trends to predict future enrollments.



Historical enrollment data is used in conjunction with time series forecasting in *Model 1 – Enrollment Projections from Historical K-12 Park Hill School District Enrollment*.

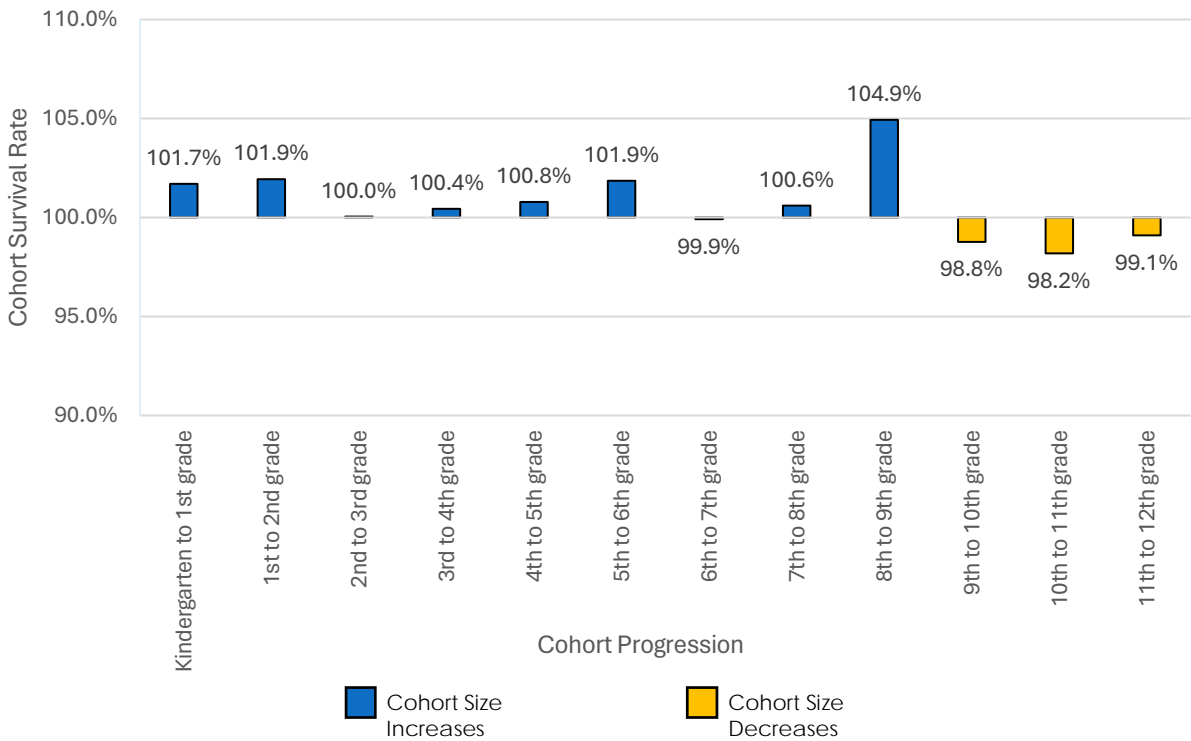
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#### COHORT SURVIVAL ANALYSIS

Cohort survival analysis is a statistical method used to forecast student enrollment in K-12 school districts over time. It focuses on tracking the progression of a specific cohort or group of students as they move through various stages of their educational journey, such as Kindergarten to 1<sup>st</sup> grade, 1<sup>st</sup> grade to 2<sup>nd</sup> grade, or high school juniors (11<sup>th</sup> grade) to high school seniors (12<sup>th</sup> grade). This method provides insights into how students are uniquely retained or lost at each grade level across multiple school years for a school district. This analysis allows school districts to make more accurate enrollment projections based on their unique pattern of cohort survival.

A cohort’s “survival rate” is the proportion of students who progress from one grade to the next. It is calculated as the number of students who move to the next stage divided by the number of students in the previous stage. This rate indicates how a school district retains students incorporating the net mobility of students into and out of the school district at each grade level.

### K-12 Cohort Survival Rates Park Hill School District | 2019-2024



Distinctive cohort survival rates emerge in the analysis of Park Hill School District’s enrollment data. Using the most current five school years, the 8<sup>th</sup> grade cohorts have the highest cohort survival rates (the rate in which they transition to 9<sup>th</sup> grade) with a cohort survival rate of 104.9%. A pattern of consistent cohort growth from 8<sup>th</sup> to 9<sup>th</sup> grade can often be the result of students outside of the public school system (i.e., private, parochial, home-school) entering the school district as high school freshman.

Conversely, the 10<sup>th</sup> grade cohort has the lowest cohort survival rate (the rate in which transition to 11<sup>th</sup> grade) at 98.2%.

Cohort survival rates exceed 100% for the following grades: Kindergarten through 5<sup>th</sup> Grade, 7<sup>th</sup> grade, and 8<sup>th</sup> grade. All other grade levels show rates less than 100% which indicates a net loss in enrollment during those transitions.

Using the survival rates calculated at each grade allows for projections of how many students are likely to remain in the subsequent grades. This allows for the creation of enrollment forecasts for

future school years. Cohort survival rates are a key component to enrollment projections because they reflect the distinctive patterns of the school district.

While cohort survival analysis can be powerful, there are certain limitations when applying it to forecasting outcomes for a kindergarten class since no consistently tracked grade level comes before. Preschool enrollments in Park Hill School District have been irregular and represent a small fraction of next year's Kindergarten class. For that reason, these are excluded from analysis due to the importance of reliable Kindergarten enrollment estimates in making future enrollment projections. Projecting future kindergarten cohorts requires demographic analysis, including the use of census data, third-party projections, and birth rates within the school district.

Park Hill School District's distinct cohort survival data is used in *Model 3 – Enrollment Projections from Cohort Survival Rates and Kindergarten Pools*.

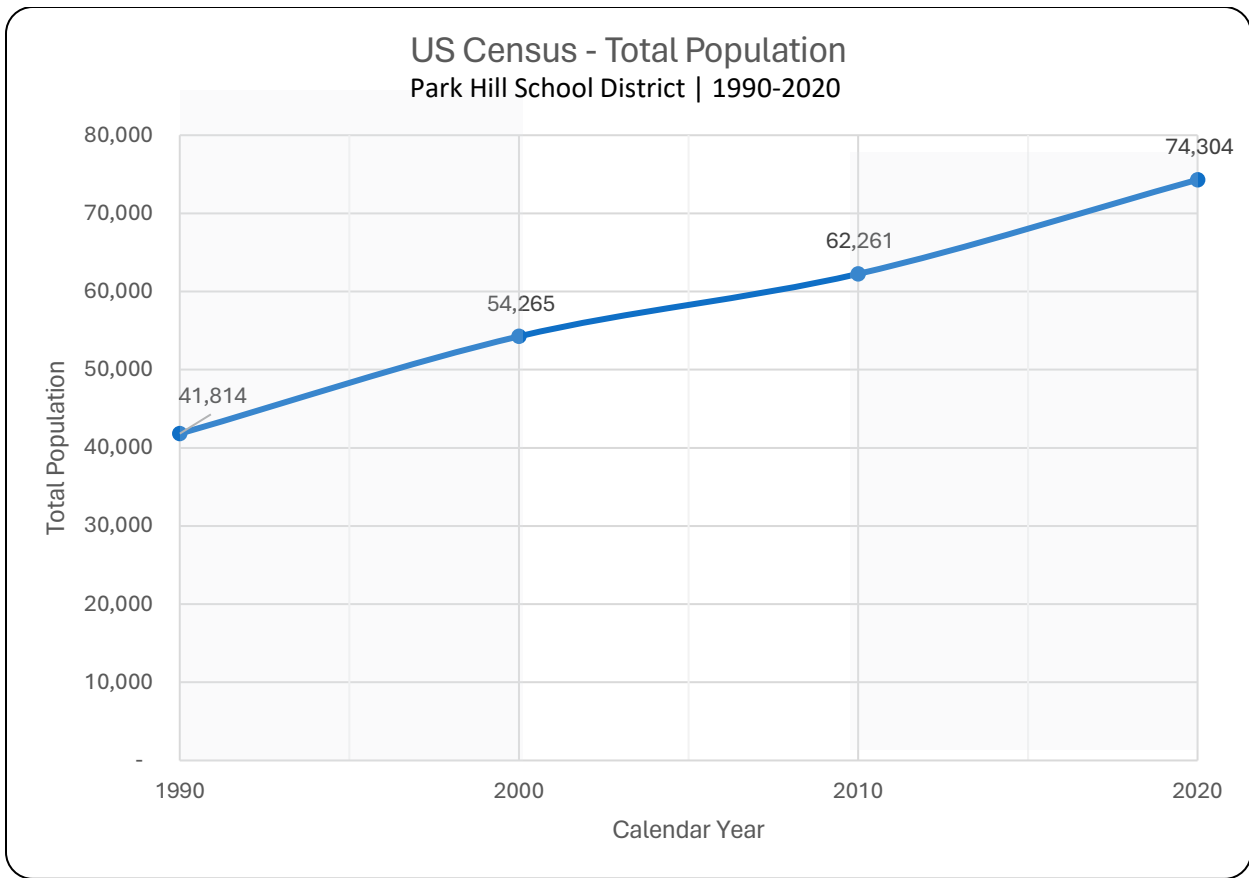
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#### DEMOGRAPHIC ANALYSIS

Another data source used in enrollment projections is demographic data from government agencies (e.g., census data, birth rates, age distribution, child-bearing females). This data is standardized for all school districts and communities and plays a key role in forecasting future enrollment.

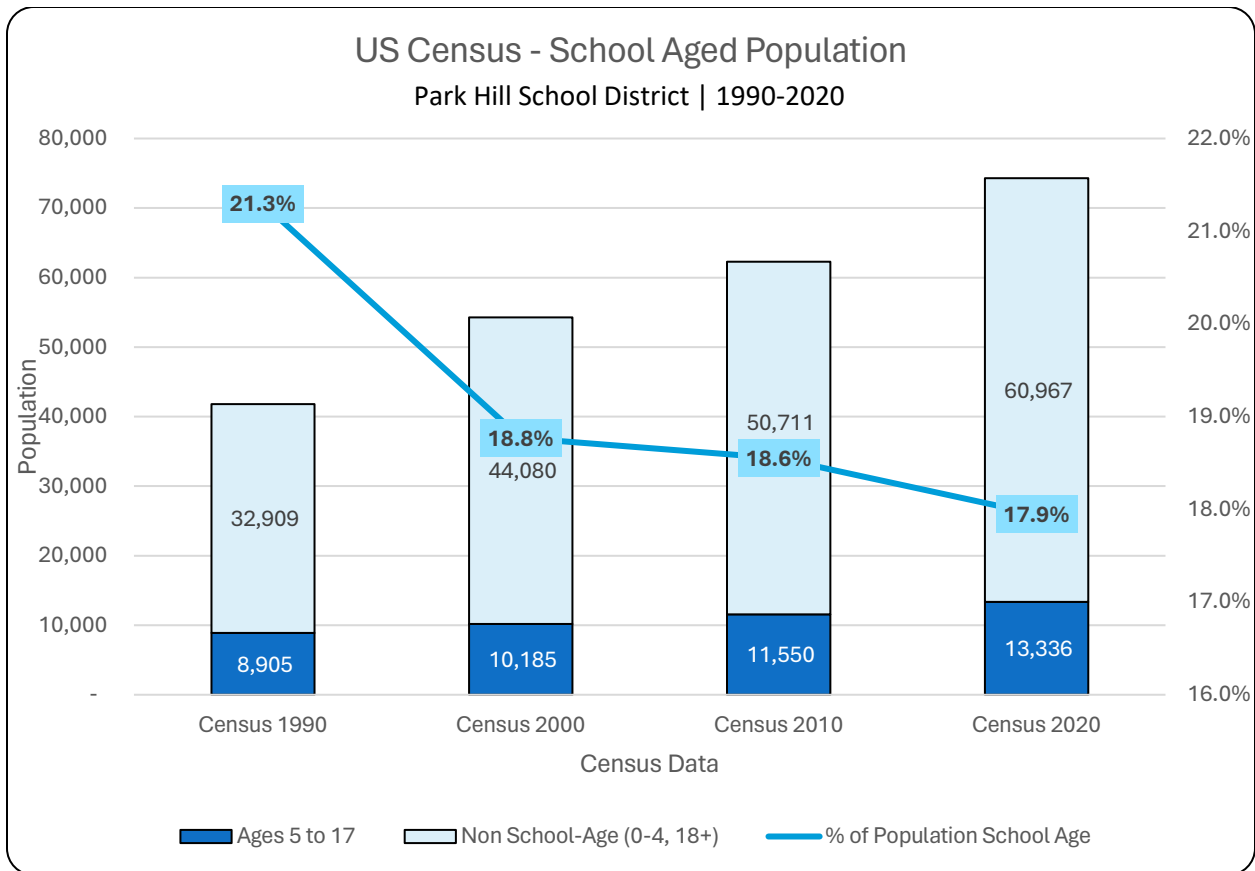
US Census results play a crucial role in supporting K-12 student enrollment projections and forecasts. The US Census provides detailed demographic information about the population, including age, gender, ethnicity, and geographic distribution. This data is fundamental for understanding the current and future population trends within specific regions, which directly influence student enrollment. Apportionment results from the 1990, 2000, 2010, and 2020 US Censuses are used to identify population and student enrollment trends over time, and these trends are incorporated into future enrollment projections.

A study of Park Hill School District population provides current demographic patterns. Between the 2010 and 2020 Censuses the total population within the school district grew from 62,621 to 74,304, an increase of 12,043 persons or 19.3%. This population growth mirrored the growth from the prior two decades.



**Student Yield Ratios using US Census Data.** The rate of growth in total population between 2010 and 2020 (19.3%) translated to a similar growth in the total number of school-aged children (ages 5 to 17) in this period. In 2010, the US Census reports 11,550 school-aged children. In 2020, the US Census reports 13,336 school-aged children, a growth in this population of 15.5%. This growth rate for school-aged children aligns with a growth rate of 14.6% in district K-12 enrollment in in that same time period.

While Park Hill School District saw an increase in school-aged children between 2010 and 2020, the percentage of the total population that is school-aged decreased, which is a sign of an aging population. In 2020, school-aged (ages 5-17) children accounted for 17.9% of the total population, while it was 18.6% in 2010.



**Ageing Population.** 2020 Census figures show that the population of Park Hill School District is aging. Over the last thirty years, the average age in the population has grown from 32.5 years old in 1990 to 37.6 years old in 2020.

	1990	2000	2010	2020
<b>Average Age of Population</b>	<b>32.5</b>	<b>34.5</b>	<b>36.6</b>	<b>37.6</b>

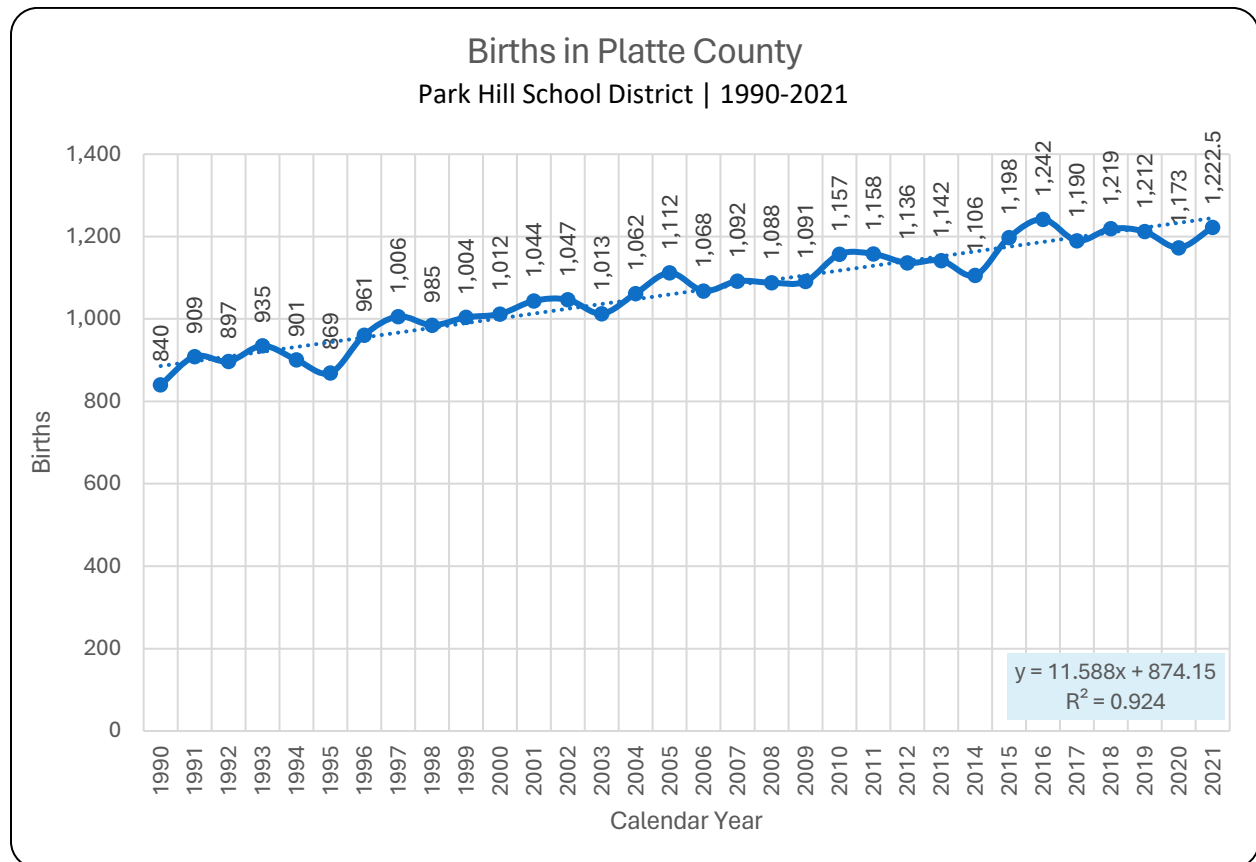
An aging adult population over time can correlate with a drop in school-aged children. In the case of Park Hill School District, the population has aged over the last thirty years, and the proportion of school-aged children to the overall population has declined.

In addition to an aging population, other factors can cause a drop in the school-aged population, such as a decrease in birth rates, females having children at an older age, a change in the childhood mortality rate, a decrease of young families into the population, or young families moving away out of the school district for other districts.

**Childbearing Females.** The number of childbearing females (ages 18-44) increased in the last decade, from 11,317 in 2010 to 13,833 in 2020. This growth aligns with the increase in school-aged children and student enrollment seen in this decade.

**Pre-School Children.** In the 2020 Census, 4,543 children ages four and younger were identified. This is a significant increase in this population from the 2010 Census where 4,045 children ages four and younger were identified.

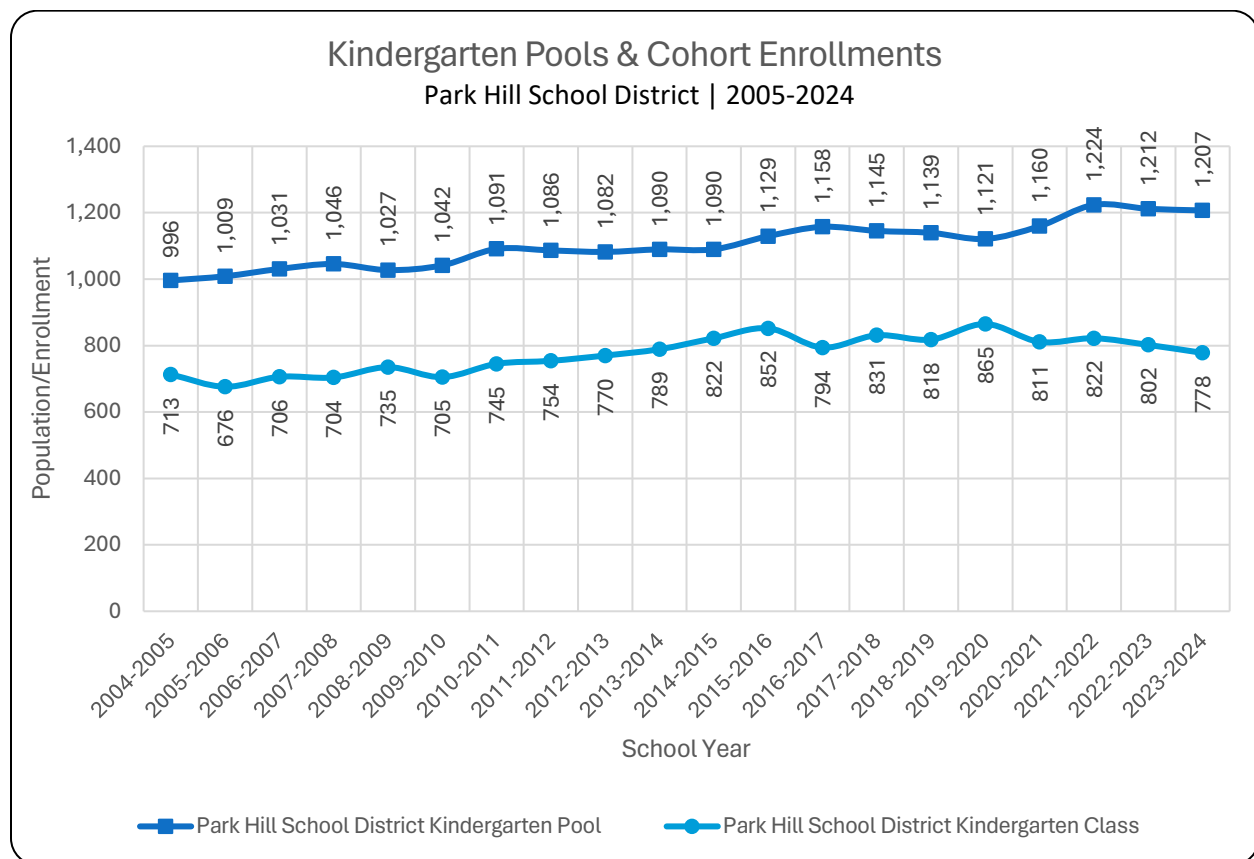
**Birth Data.** Births across Park Hill School District further inform the analysis when compared to kindergarten enrollments. Birth data in the area are used to (1) compare known Kindergarten enrollments in the school district to determine how well the district’s enrollment has followed predictable trends; and (2) forecast future Kindergarten classes when these children become 5 years old. Birth data is maintained by the Missouri Department of Health & Senior Services (DHSS) and is reported by zip code and at a county level. For this report, birth data was collected from the Missouri Department of Health and Senior Services (DHSS) for Platte County, which includes the Park Hill School District school boundary.



Birth data for Park Hill School District in the 20 years between 1990 and 2021 shows the maximum number of births in 2016 (1,242) and the lowest number of births occurring in 1990 (840). The number of births has shown a slow increase over these two decades and is correlated to the kindergarten class size in the years after the birth year.

**Student (Kindergartener) Yield Ratios Using Birth Data.** Birth data is reported by calendar year and links directly to future Kindergarten enrollments. Because birth data is reported by calendar year, and Kindergarten cohorts typically begin with students aged 5 on August 1, birth year cohorts are divided between January through July births (58.2%) and August through June births (41.8%). These portions of birth year cohorts are then placed into corresponding “Kindergarten Pools” based upon when the children will turn 5 years old.

For example, DHHS reported 1,242 births in Platte County in 2016 and 1,190 births in 2017. The Kindergarten Pool is calculated:  $(41.8\% * 1,242) + (58.2\% * 1,190) = 1,212$ . The kindergarten pool size for the 2022-2023 school year is 1,212 with an actual Kindergarten enrollment of 802.



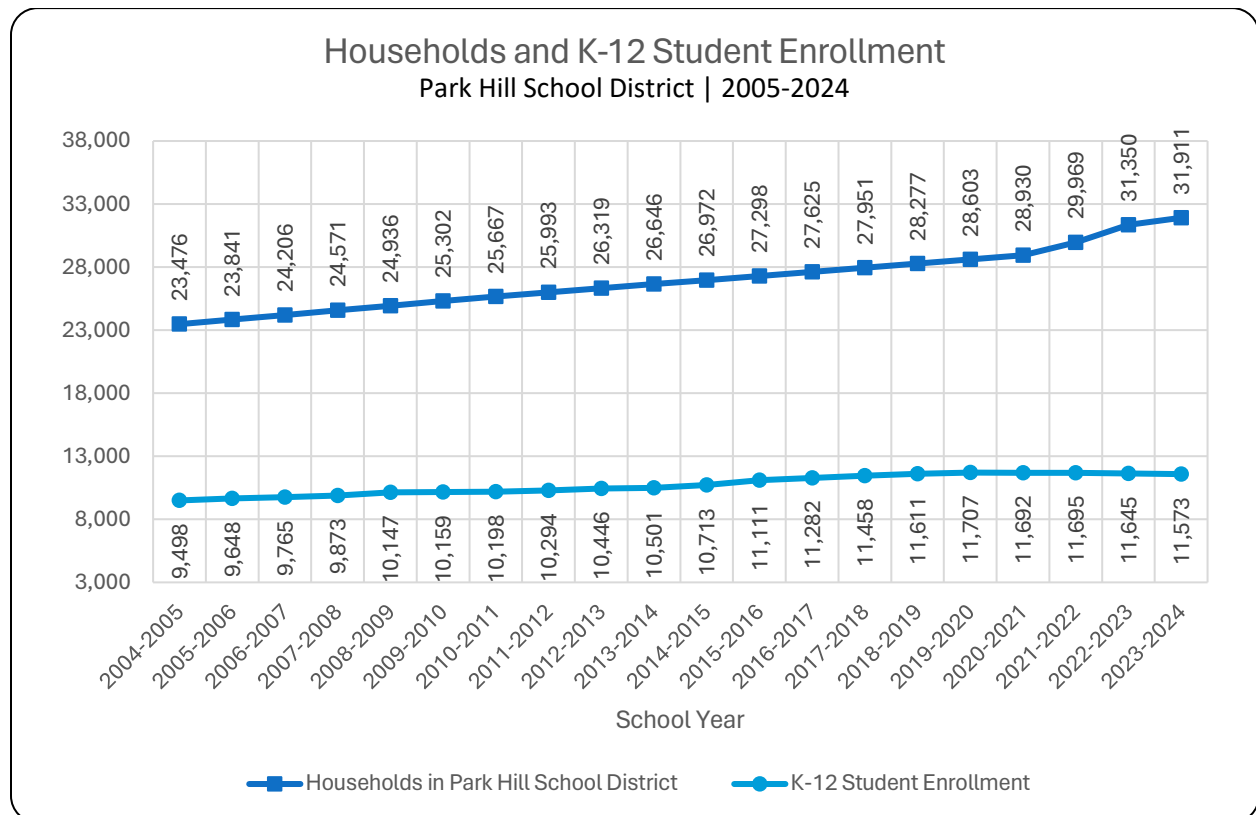
The proportion of students in the kindergarten pool that become Park Hill School District kindergarten students, a unique Student Yield Ratio (SYR), has varied over the last twenty years, ranging from 77.2% in 2019-2020 to 64.5% in 2023-2024. Over the last five years, an average of **68.9%** of the pool ultimately became Kindergarteners in Park Hill School District. This value is used to project future Kindergarten classes from kindergarten pools and birth data.

Demographic data is used with time series forecasting in two projection models: *Model 2 – Enrollment Projections from US Census and Student Yield Ratios*, and *Model 3 – Enrollment Projections from Cohort Survival Rates and Kindergarten Pools*.

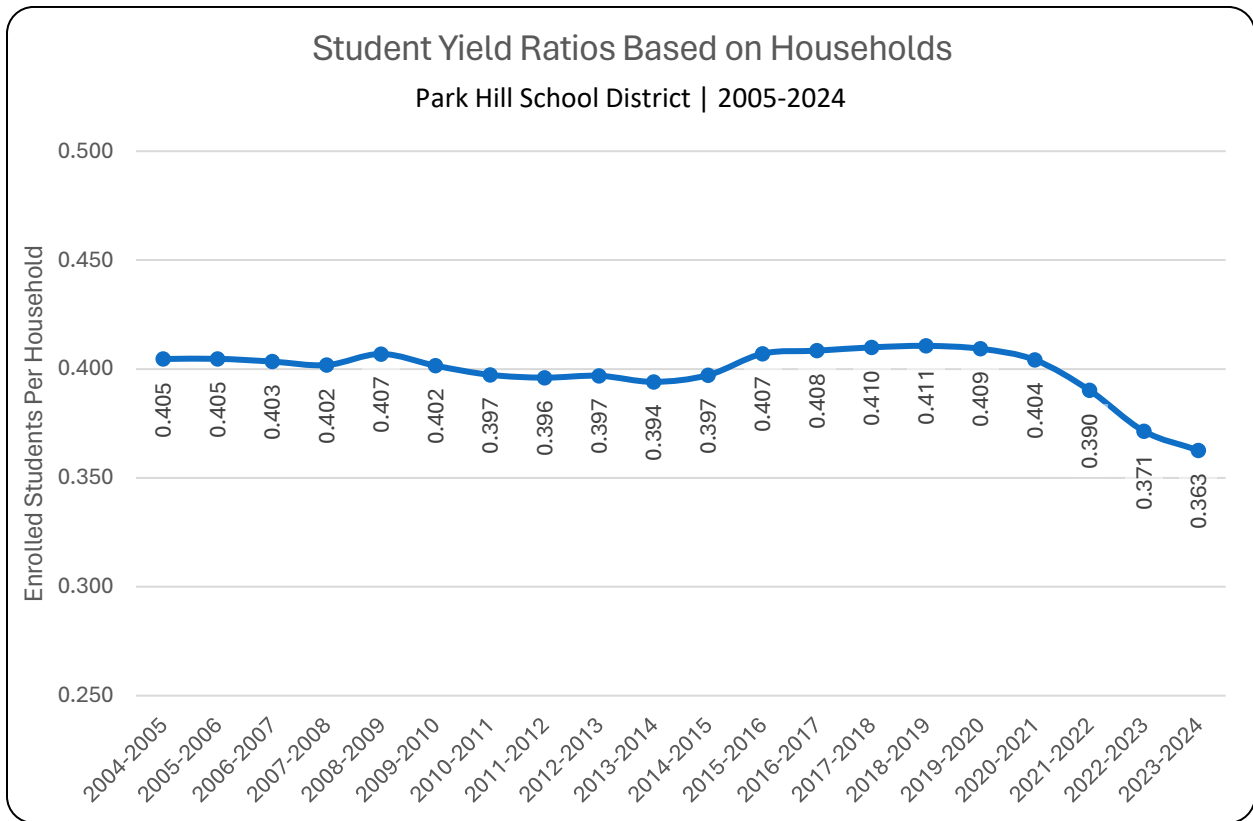
## HOUSING AND DEVELOPMENT DATA

Household data can be a valuable resource for projecting future K-12 student enrollment in a school district. By analyzing various aspects of households within the district, educational leaders and planners can make informed predictions about the number of students who are likely to enroll in the coming years. Specifically, tracking new housing developments and construction permits can be valuable for enrollment projections. New housing often attracts families with school-aged children, and by monitoring these developments, school districts can anticipate increased student numbers in specific areas at similar student yield ratios as in prior years.

A composite of third-party population services is used to show the following patterns in households and student yield ratios for the Park Hill School District.



Student Yield Ratio data from the last twenty years reveals a range between 0.363 enrolled students per household in 2024, and 0.411 enrolled students per household in 2019. The SYR has shown a significant drop over the last five years. A similar decrease is used to project SYR for future projections.



Housing and development data is used in time series forecasting to product the *Model 5 – Household Data and Student Yield Ratios*.

### ECONOMIC AND EMPLOYMENT TRENDS

Various third-party services collect, monitor and update data on local economic conditions, employment opportunities, and job growth, as these factors can influence population movement and student enrollments. In addition to economic and employment trends, these services use Census data, birth and death records, immigration and emigration data, housing data, social media and online behavior, and expert opinions to project future demographic and population trends.

Economic and employment trend data from these third-party services are used to calculate Student Yield Ratios. This data is used with time series forecasting to inform two of the projection models: *Model 4 – Third-party Population Projections and Student Yield Ratios*; and *Model 5 – Household Data and Student Yield Ratios*.

## ENROLLMENT PROJECTION MODELS

Time series forecasting, a form of linear regression, is a statistical technique used to predict future values of a variable based on its past observations, where the data points are collected at equally spaced time intervals. It is a valuable tool in various fields, including finance, economics, weather forecasting, and for forecasting student enrollment in K-12 school districts.

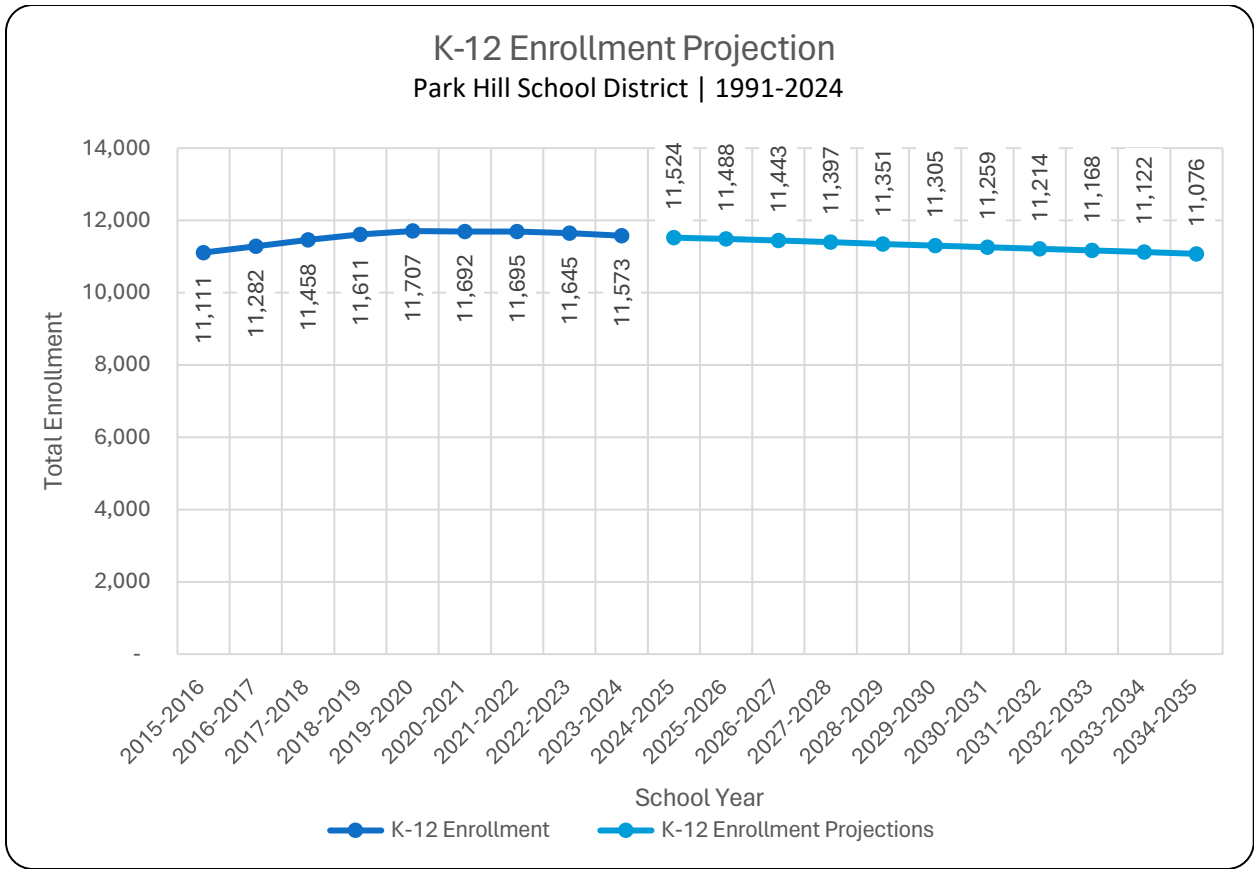
Statistical analysis of the data is compiled into five unique enrollment projection models that will provide distinct enrollment projections for the school district:

- Model 1 – Enrollment Projections from Historical K-12 Park Hill School District Enrollment
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- Model 3 – Enrollment Projections from Cohort Survival Rates and Kindergarten Pools
- Model 4 – Third-party Population Projections and Student Yield Ratios
- Model 5 – Household Data and Student Yield Ratios

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### PROJECTION MODEL 1 – ENROLLMENT PROJECTIONS FROM HISTORICAL K-12 PARK HILL SCHOOL DISTRICT ENROLLMENT

K-12 enrollment in Park Hill School District peaked in 2019-2020 (11,707) has slowly dropped over the last five years to an enrollment of 11,573 in 2023-2024. Without consideration of other factors (population growth estimates, birth data, housing and other economic factors) incorporated into subsequent analysis, linear trend analysis indicates a consistent decline in K-12 enrollment through 2035 when the enrollment is projected to be 11,076.



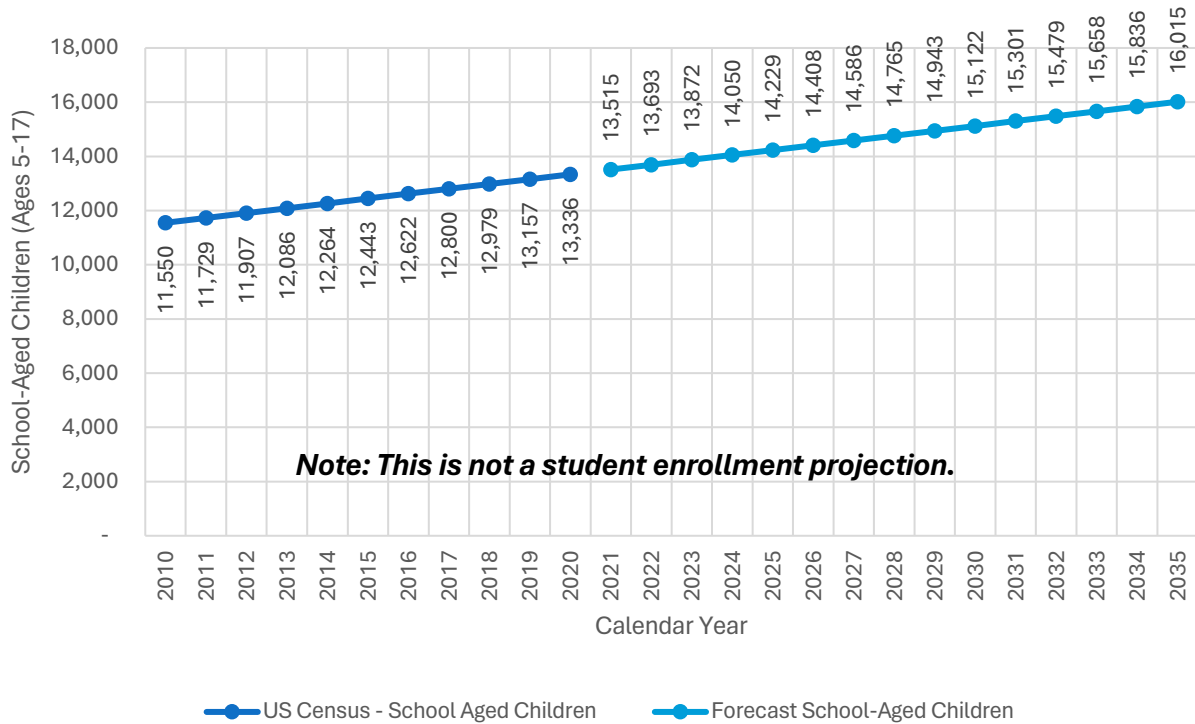
**PROJECTION MODEL 2 - ENROLLMENT PROJECTIONS FROM US CENSUS AND STUDENT YIELD RATIOS**

US Census data from the 2010 and 2020 censuses show an increase in the overall population (+12,043) but a population that is aging slightly, where school-aged children make up a small proportion of the overall population.

Using the ten-year trend for school-aged children (ages 5-17) projections are made through calendar year 2035. It is important to note that only a portion of these school-aged children have historically become students in Park Hill School District. Adjustments for these total population figures will be required to project K-12 student enrollment in these years.

## US Census School-Age Children Trend

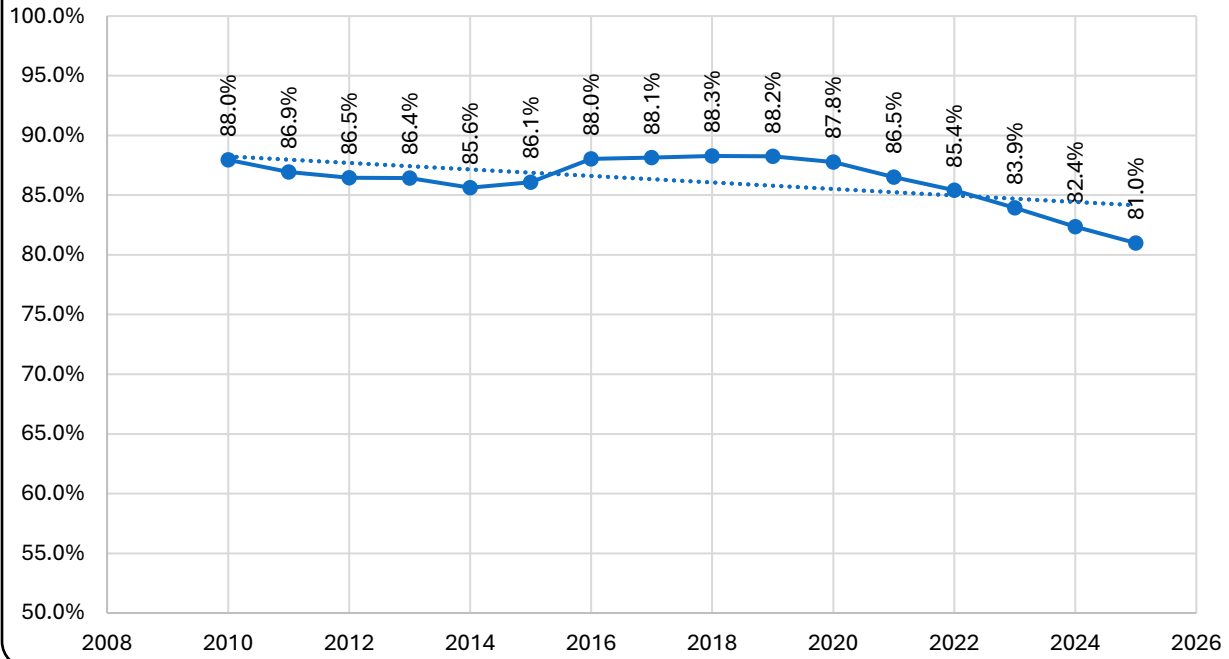
Park Hill School District | 2010-2035



Historically, only a portion of school-aged children reported by the US Census are enrolled in Park Hill School District. In calendar year 2015, 86.1% of school-aged children reflected in the US Census were enrolled as K-12 students (10,713 students out of 12,443 school-aged children). This percentage (“Census Adjustment” or “Market Share”) has slowly declined since 2010, reaching 82.4% in 2024 (11,573 students of 14,050 school-aged children estimated by US Census data).

### Student Yield Ratios from US Census School-Age Children Trend

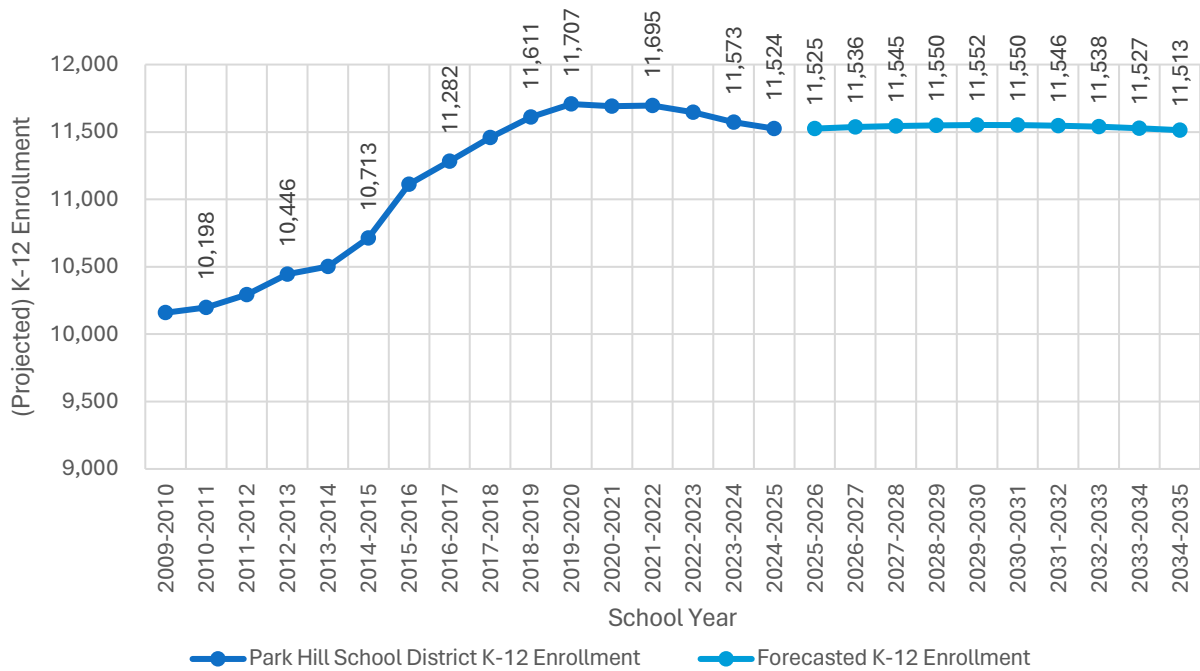
Park Hill School District | 2015-2020



Trend analysis for the SYR from US Census school-aged children has been performed on this pattern and applied to the projections of school aged children made from US Census data above.

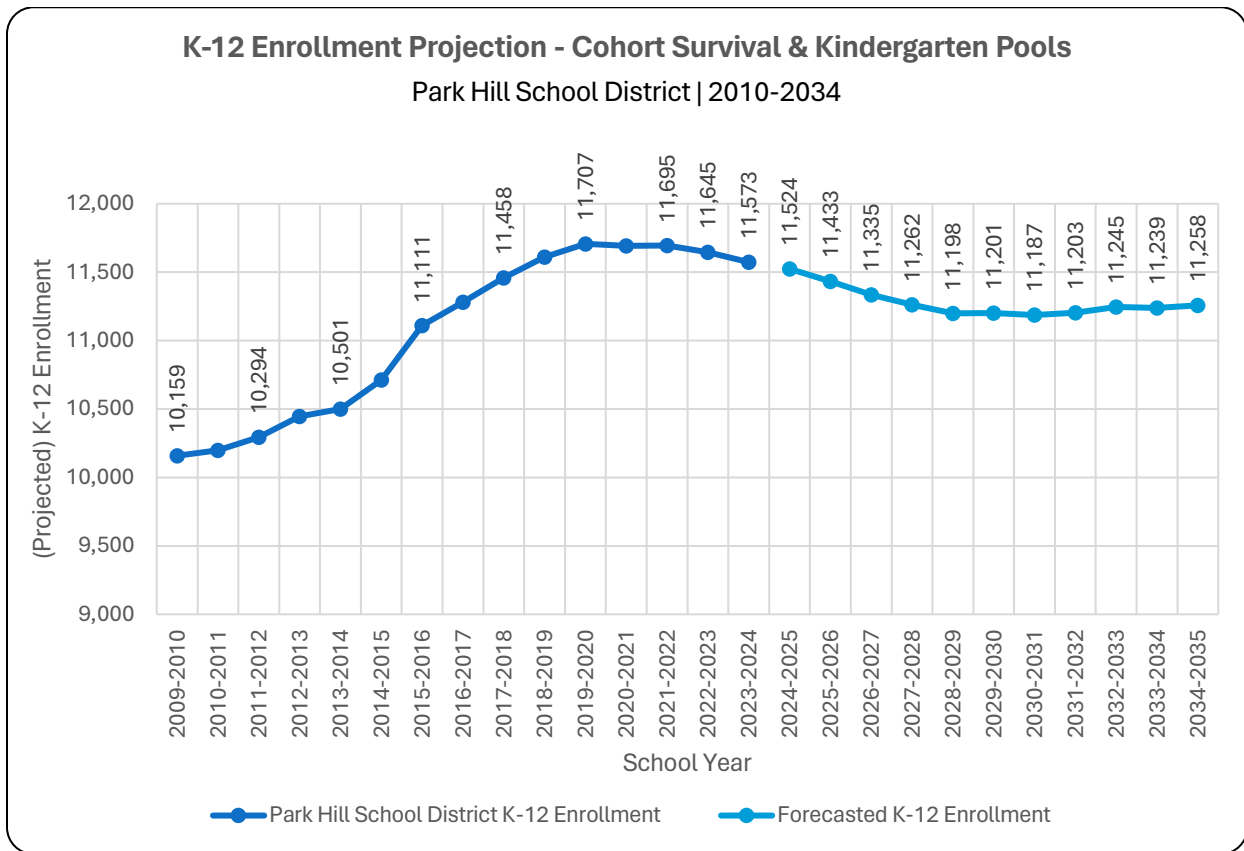
### K-12 Enrollment Projections - US Census Trend

Park Hill School District | 2010-2035



PROJECTION MODEL 3 - HISTORICAL COHORT SURVIVAL RATES AND KINDERGARTEN POOLS

An enrollment projection model can be made utilizing Park Hill School District’s distinctive cohort survival patterns. Cohort survival rates are a crucial tool for projecting K-12 student enrollment in future years. These rates provide insights into how many students from a particular starting grade or cohort progress through the educational system and eventually graduate. These known historical trends can be added to existing known student cohorts to project student enrollment. Because there are no consistent cohort size values for pre-school, future Kindergarten cohorts are taken from historical birth data and Kindergarten class size pools.

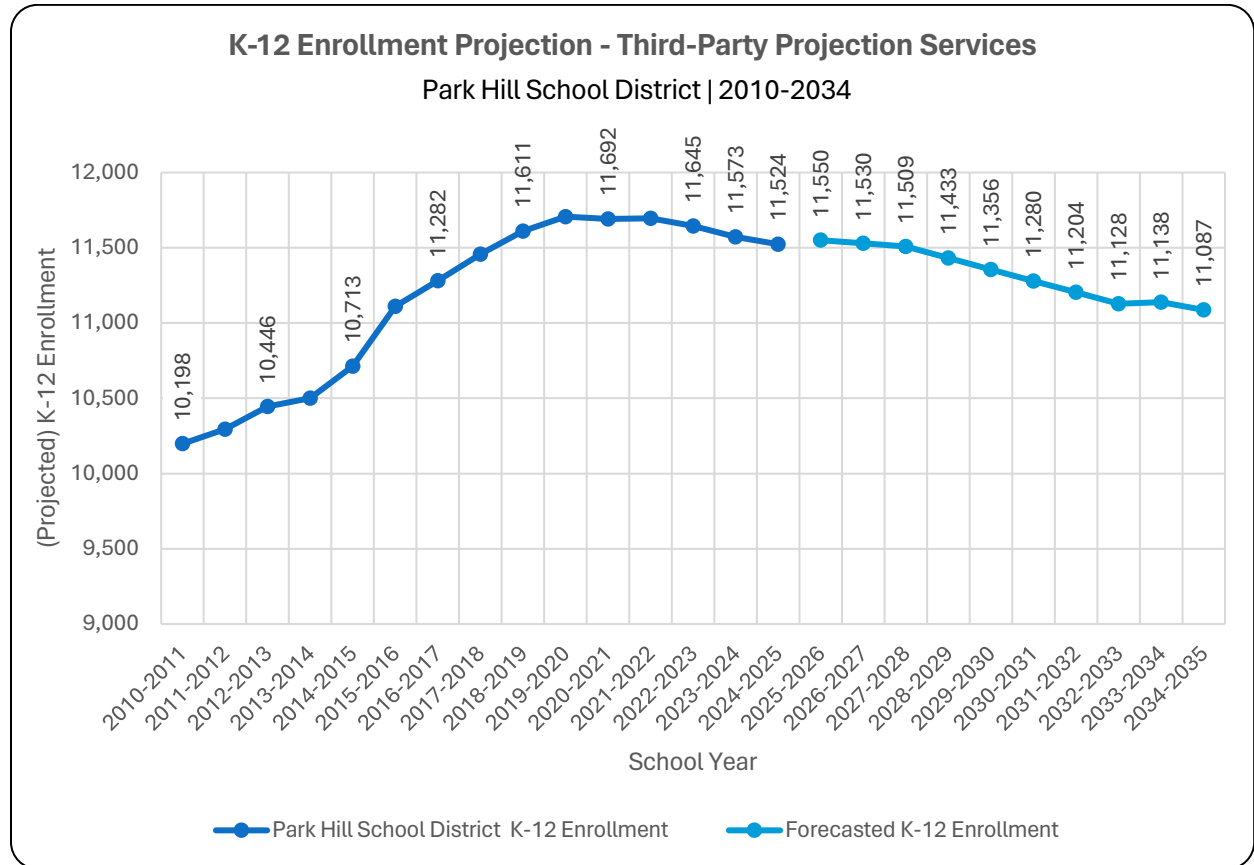


PROJECTION MODEL 4 – THIRD-PARTY POPULATION PROJECTIONS AND STUDENT YIELD RATIOS

Demographic and population projection services use a combination of data, statistical techniques, and assumptions to make estimates of future population sizes. These estimates are crucial for various purposes, including urban planning, healthcare resource allocation, economic forecasting, policy development, and projecting future school enrollments. Data often used by these services

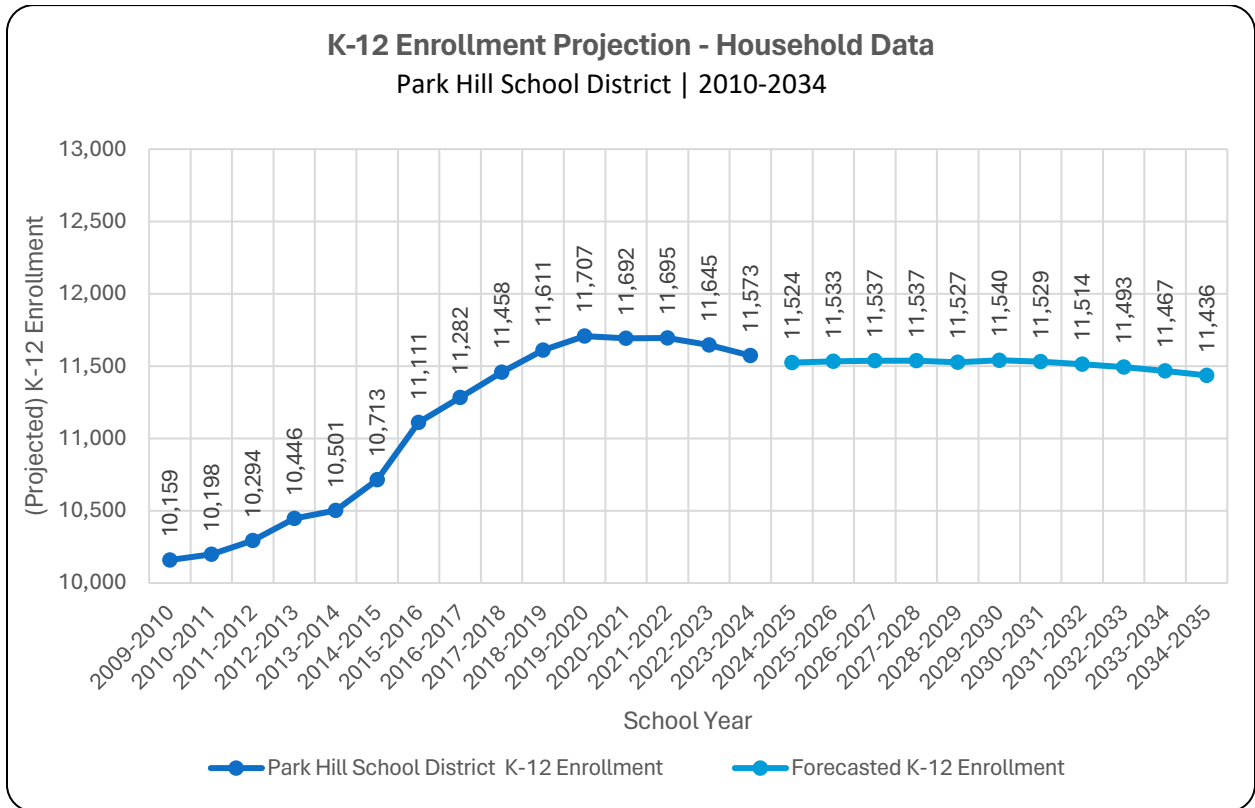
includes historical population data, vital statistics (births, deaths, and migrations), education levels, and economic conditions.

Multiple third-party projection services were analyzed to produce a composite value for future school-aged children in Park Hill School District and adjusted for historical patterns calculating the typical difference between all school-aged children and K-12 enrollment in Park Hill School District.



PROJECTION MODEL 5 – HOUSEHOLD DATA AND STUDENT YIELD RATIOS

Trend analysis is calculated on the number of K-12 students per household, producing Student Yield Ratios from households. These trends are incorporated into third-party population projection services' estimates on future households in Park Hill School District to produce the K-12 student enrollment projections through 2035.



PROJECTION MODEL ANALYSIS

Five models have been formulated using independent data sources to project K-12 student enrollment in Park Hill School District.

- Model 1 – Enrollment Projections from Historical K-12 Park Hill School District Enrollment
- Model 2 – Enrollment Projections from US Census and Student Yield Ratios
- Model 3 – Enrollment Projections from Cohort Survival Rates and Kindergarten Pools
- Model 4 – Third-party Population Projections and Student Yield Ratios
- Model 5 – Household Data and Student Yield Ratios

Analysis of the projected values and identifying the high and low values will allow future enrollments **to be projected within a range of values.**

School Year	Projection Models				
	Model 1 District Trend	Model 2 US Census	Model 3 Cohort/ K- Pool	Model 4 3 <sup>rd</sup> Party	Model 5 Household
2024-2025	11,524	11,524	11,524	11,524	11,524
2025-2026	11,488	11,525	11,433	11,550	11,533
2026-2027	11,443	11,536	11,335	11,530	11,537
2027-2028	11,397	11,545	11,262	11,509	11,537
2028-2029	11,351	11,550	11,198	11,433	11,527
2029-2030	11,305	11,552	11,201	11,356	11,540
2030-2031	11,259	11,550	11,187	11,280	11,529
2031-2032	11,214	11,546	11,203	11,204	11,514
2032-2033	11,168	11,538	11,245	11,128	11,493
2033-2034	11,122	11,527	11,239	11,138	11,467
2034-2035	11,076	11,513	11,258	11,087	11,436
<b>Total Projected Students</b>	<b>124,347</b>	<b>126,905</b>	<b>124,086</b>	<b>124,738</b>	<b>126,636</b>
		<b>MAX</b>	<b>MIN</b>	<b>MEDIAN</b>	

**Min** - Model 3 – Enrollment Projections from Cohort Survival Rates and Kindergarten Pools results in the minimum projection of forecasted students. This projection model uses trend analysis on known K-12 cohort survival and birth rates in Park Hill School District. The total number of students projected over the ten-year span 2025-2035 is 124,086 students, which is the smallest cumulative student enrollment of the five projection models.

**Max** – *Model 2 Enrollment Projections from US Census and Student Yield Ratios* results in the maximum projection. This projection model uses known K-12 enrollments in Park Hill School District Student Yield Ratios from US Census school-aged children to project future enrollment trends. The total number of students projected over the ten-year span 2025-2035 is 126,905 students, which is the largest cumulative student enrollment of the five projection models.

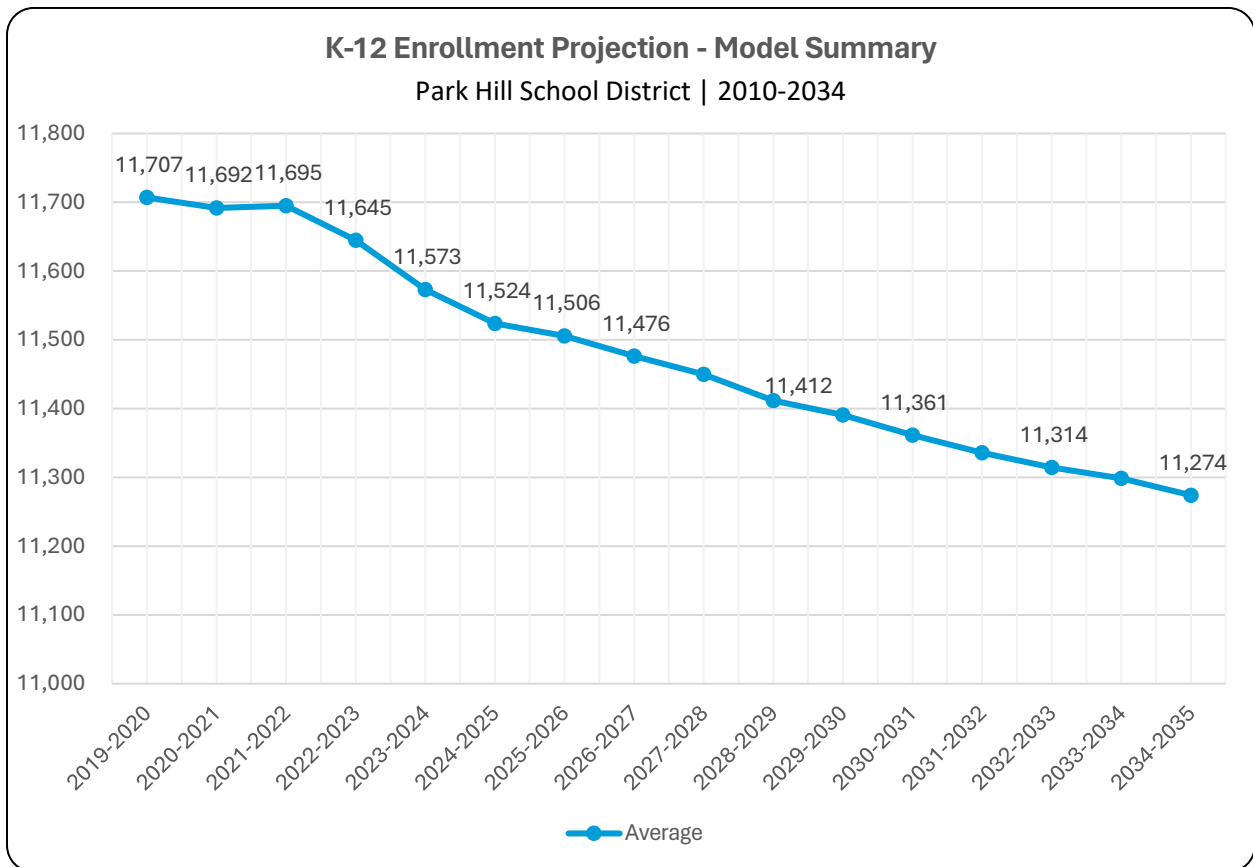
**Median**– *Model 4 – Third-Party Population Projections and Student Yield Ratios* projects the median (middle) value of the five models is provided and constitutes a mid-point of the various projection models. Within the five projection models used, *Model 4 – Third-Party Population Projections and Student Yield Ratios* results in the median projection values. This model overlays population projections from four major population projections with historical Student Yield Ratios of US Census data of school-aged children. The total number of students projected over the ten-year span 2025-2035 is 124,738 students, which is the median student enrollment of the five projection models.

**Average** - The practice of averaging multiple enrollment projection models is a valuable approach because it leverages the wisdom of each of the models and helps mitigate the potential biases and errors inherent in individual models. Averaging multiple enrollment projection models tends to be more predictive of future enrollments for multiple reasons:

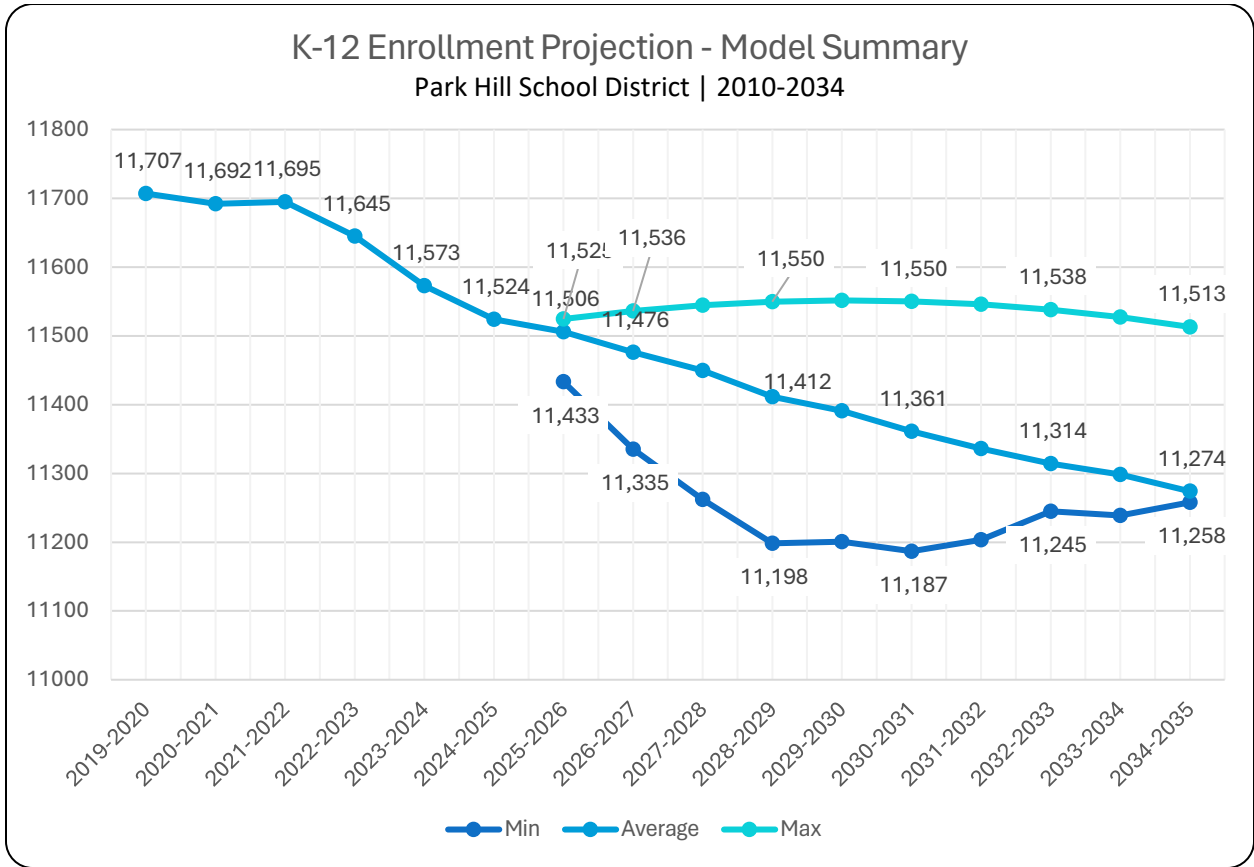
- Reduction of individual model bias: Each enrollment projection model is based on certain assumptions, data sources, methodologies, and historical trends. These models may have their own biases or limitations. By averaging multiple models, you can reduce the impact of any individual model's biases, resulting in a more balanced and accurate estimate.
- Diverse perspectives: Different models may incorporate numerous factors and approaches to predict enrollment. Averaging allows you to capture a broader range of perspectives and insights, which can lead to a more robust and reliable projection.
- Error cancellation: Errors in individual models can cancel each other out when averaging. If one model overestimates while another underestimates, their errors may offset each other, resulting in a more accurate average prediction.
- Improved stability: Averaging can help stabilize predictions over time. Individual models may be sensitive to slight changes in input data or assumptions, leading to fluctuating projections. Averaging can smooth out these fluctuations, providing a more stable and consistent estimate.
- Robustness to outliers: Outliers or extreme values in a single model can have a significant impact on its predictions. Averaging multiple models can reduce the impact of outliers, making the overall projection more resilient to unusual data points.

- Enhanced accuracy through consensus: Averaging models essentially create a consensus prediction. When multiple models independently arrive at similar conclusions, it increases confidence in the accuracy of the average projection.
- Risk management: Averaging models can also help mitigate the risk associated with relying on a single model. If one model turns out to be inaccurate due to unforeseen events or changes in circumstances, the impact on the overall projection is reduced.

Using the average of the five models results in a K-12 enrollment projection of 11,274 for Park Hill School District for 2034-2035.



Three models – Max, Min and Average, are shown below and are marked each year with district-wide K-12 enrollment projections.



**ENROLLMENT PROJECTIONS BY GRADE LEVEL**

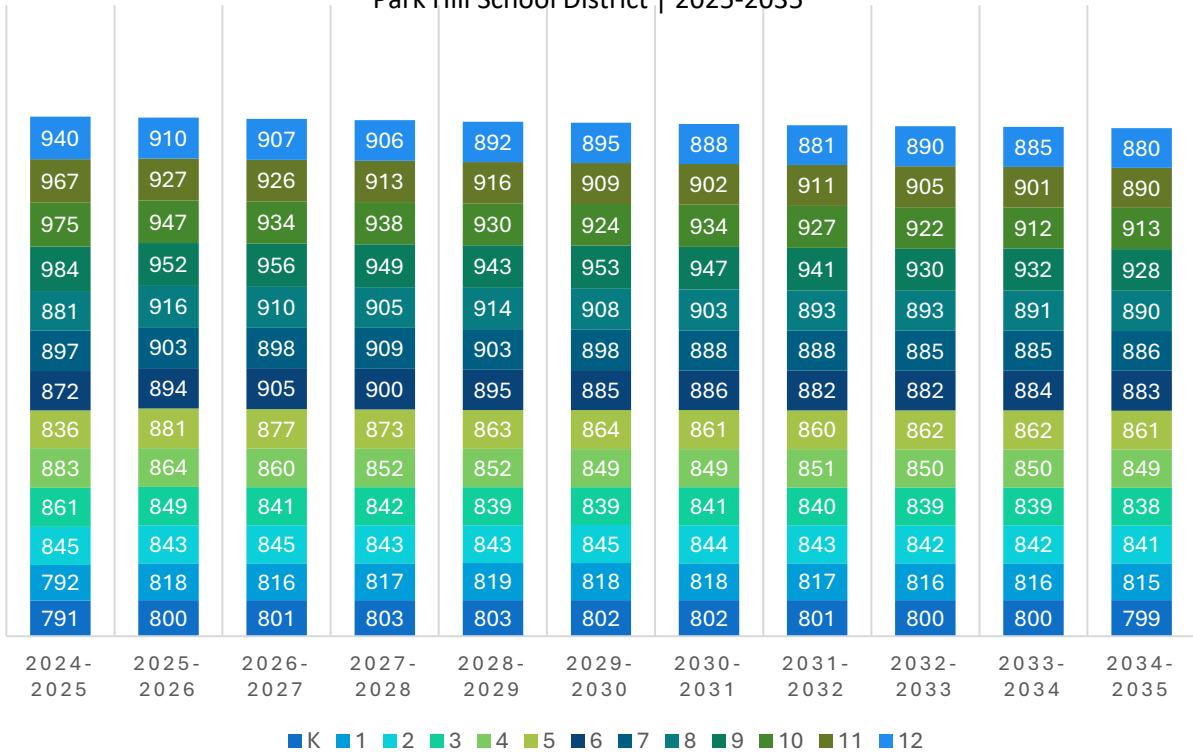
The average projection model is used to provide a single value (as opposed to a range of values) for the following tables.

Note that some total values in the future projections will differ slightly due to rounding.

School Year	Grade Levels												Grand Total	
	K	1	2	3	4	5	6	7	8	9	10	11		12
2024-2025	791	792	845	861	883	836	872	897	881	984	975	967	940	<b>11,524</b>
2025-2026	800	818	843	849	864	881	894	903	916	952	947	927	910	<b>11,506</b>
2026-2027	801	816	845	841	860	877	905	898	910	956	934	926	907	<b>11,476</b>
2027-2028	803	817	843	842	852	873	900	909	905	949	938	913	906	<b>11,450</b>
2028-2029	803	819	843	839	852	863	895	903	914	943	930	916	892	<b>11,412</b>
2029-2030	802	818	845	839	849	864	885	898	908	953	924	909	895	<b>11,391</b>
2030-2031	802	818	844	841	849	861	886	888	903	947	934	902	888	<b>11,361</b>
2031-2032	801	817	843	840	851	860	882	888	893	941	927	911	881	<b>11,336</b>
2032-2033	800	816	842	839	850	862	882	885	893	930	922	905	890	<b>11,314</b>
2033-2034	800	816	842	839	850	862	884	885	891	932	912	901	885	<b>11,298</b>
2034-2035	799	815	841	838	849	861	883	886	890	928	913	890	880	<b>11,274</b>

## AVERAGE K-12 ENROLLMENT PROJECTION BY GRADE LEVEL

Park Hill School District | 2025-2035



## FACILITY PLANNING

One use of student enrollment projections is to anticipate the need for additional school buildings. Although projections are not made for growth of each school, projections are made for each grade level and school level – elementary (kindergarten through 5<sup>th</sup> Grade), middle (6<sup>th</sup> through 8<sup>th</sup> Grade) and high school level (9<sup>th</sup> through 12<sup>th</sup> Grade). Also, facility needs for early childhood services (pre-kindergarten), students with special needs, and support services are also influenced by enrollment growth. Projections when each level will reach effective capacity can be anticipated through the use of planning criteria.

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### PLANNING CRITERIA

In the Fall, 2023, the district held staff and community meetings and conducted multiple surveys to assist the Board of Education in developing long-range planning criteria. This criteria will be used to guide the development of a plan (“Park Hill 2034”) to address future space and/or facility needs. On January 11, 2024 the Board adopted the following Park Hill School District 2034 Planning Criteria.

For the next 10-year Long Range Facility Plan, the Park Hill School District will strive to provide equitable, future ready environments that include:

1. **Safe and secure facilities and play spaces.** The district strives to provide buildings and sites with physically and emotionally safe environments for students, staff, and visitors.
2. **Welcoming, Up-To-Date Facilities.** the district strives to provide modern, relevant, and flexible learning and work environments.
3. **Inclusive Learning and Play Spaces for all Physical and Mental Abilities.** The district strives to provide equitable access to inclusive learning and play spaces, supporting physical needs, mental abilities, and special education programming.
4. **Support For Student and Staff Well-being.** The district strives to provide integrated spaces for respite, self-regulation, and mental health support for students and staff.
5. **Equitable Opportunities.** The district strives to provide equitable opportunities for students, staff, and community members.
6. **Right-Sized Facilities with Capacity Flexibility.** The district strives to provide the following building sizes when planning for staff and building capacities. Overall facility capacities will be flexible to provide adequate space while minimizing the use of mobile classrooms as a temporary solution. Space for specialized programming will also be considered. Elementary Schools – 400-650 students  
Middle Schools – 500-900 students  
High Schools – 1,200-1,800 students
7. **Support For Programs Beyond Core Curriculum.** The district strives to provide equitable access to co-curricular, practical arts, fine arts, athletic and extra-curricular spaces, and programming will be considered for all learning levels.
8. **Maintaining High-Quality and Sustainable Systems.** The district strives to provide high quality facilities with an emphasis on long-term value when maintaining, renovating, and replacing district facilities. Decisions will be based on responsible financial stewardship and life cycle cost with long-term maintainability and sustainability in mind.

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## SCHOOL CAPACITY ANALYSIS

In educational planning, one way to calculate building capacity is based upon gross square footage per student calculations. The *Council of Educational Facility Planners International* (CEFPI) and other organizations and states have created standards for the amount of gross square footage needed within schools to effectively maintain the educational programming demands of today’s schools. The gross square footage standards in the table below have been established based upon standards published by CEFPI, and from a review of state and local standards on construction of new facilities for each grade span. These square footage standards have been adopted by the Park Hill School District Board of Education in the Facility Planning – Planning Criteria.

School Type	Target Square Footage Per Student “Effective Capacity”	Highest Limit Square Footage Per Student “Efficiency Capacity”	Lower Limit Square Footage Per Student “Functional Capacity”
<b>Elementary Schools</b>	120	129	111
<b>Middle Schools</b>	150	165	135
<b>High Schools</b>	175	197	153
<b>Support Services</b>	12	14	10

Target square footage per student capacities are listed above as “Effective Capacity”. Ranges have been established around the target and defined as “Efficiency Capacity” which is the upper limit of space needed per student before the space available exceeds what is needed, and the “Functional Capacity” which is the lower limit of square footage per student before the operation of the school and programs is hindered by lack of space.

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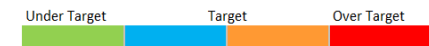
## CURRENT FACILITY CAPACITY

The following table details the anticipated square footage in each Park Hill facility for the 2023-2024 school year and the budgeted program enrollment for the 2023-2024 school year. Percent utilization refers to the ratio of projected students to the effective capacity of the school as measured by the district’s square footage standards described on the prior page. In addition, each grade span is totalled to better understand the overall district condition for each grade level.

## ELEMENTARY SCHOOLS

Square footage analysis in Park Hill School District elementary schools utilize the 120 square foot per student capacity standard with a percent utilization target of 85%.

School	Gross Square Feet	Temporary Square Feet (Mobile Classrooms)	Total Square Footage	2023-2024 Program Enrollment	Effective Student Capacity Standard	School Effective Student Capacity	Percent Utilization (85% Target)
4020 - Thomas B. Chinn Elementary	54,596	1,536	56,132	446	120	468	95.3%
4040 - Graden Elementary	53,374	0	53,374	429	120	445	96.5%
4060 - Line Creek Elementary	50,072	0	50,072	348	120	417	83.4%
4080 - Alfred L. Renner Elementary	48,617	1,536	50,153	435	120	418	104.1%
5000 - Southeast Elementary	54,422	1,536	55,958	501	120	466	107.4%
5020 - Union Chapel Elementary	55,582	6,144	61,726	600	120	514	116.6%
5040 - English Landing Elementary	60,003	0	60,003	435	120	500	87.0%
5060 - Prairie Point Elementary	64,360	0	64,360	436	120	536	81.3%
5080 - Hawthorn Elementary	63,849	1,536	65,385	430	120	545	78.9%
5090 - Tiffany Ridge Elementary	70,842	1,536	72,378	467	120	603	77.4%
5095 - Hopewell Elementary	70,262	0	70,262	478	120	586	81.6%
<b>TOTAL</b>	<b>645,979</b>	<b>13,824</b>	<b>659,803</b>	<b>5,005</b>		<b>5,498</b>	<b>91.0%</b>
<b>TOTAL Excluding Mobile Units</b>	645,979		645,979	5,005	120	5,383	<b>95.3%</b>



MIDDLE SCHOOLS

Square footage analysis in Park Hill School District middle schools utilize the 150 square foot per student capacity standard with a percent utilization target of 85%.

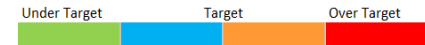
School	Gross Square Feet	Temporary Square Feet (Mobile Classrooms)	Total Square Footage	Budgeted Program Enrollment (2023-2024)	Effective Student Capacity Standard	School Effective Student Capacity	Percent Utilization
3000 - Lakeview Middle School	119,681	0	119,681	651	150 sq ft	798	81.6%
3030 - Congress Middle School	121,877	0	121,877	623	150 sq ft	813	76.7%
3050 - Plaza Middle School	114,941	0	114,941	678	150 sq ft	766	88.5%
3060 - Walden Middle School	115,253	0	115,253	743	150 sq ft	768	96.7%
<b>TOTAL</b>	<b>471,752</b>	<b>0</b>	<b>471,752</b>	<b>2,695</b>	<b>150</b>	<b>3,145</b>	<b>85.7%</b>



HIGH SCHOOLS

Square footage analysis in Park Hill School District high schools utilize the 175 square foot per student capacity standard with a percent utilization target of 85%.

School	Gross Square Feet	Temporary Square Feet (Mobile Classrooms)	Total Square Footage	Budgeted Program Enrollment (2023-2024)	Effective Student Capacity Standard	School Effective Student Capacity	Percent Utilization
1020 - LEAD Innovation Studio	79,000	0	79,000	572	175	451	126.7%
1050 - Park Hill High School	284,101	3,072	287,173	1,617	175	1,641	98.5%
1080 - Park Hill South	265,192	0	265,192	1,634	175	1,515	107.8%
<b>TOTAL</b>	<b>628,293</b>	<b>3,072</b>	<b>631,365</b>	<b>3,823</b>	<b>175</b>	<b>3,608</b>	<b>106.0%</b>



## FUTURE DISTRICT GROWTH TRENDS

The school district also monitors population trends within the entire community to assist in long-range planning. By looking at current and projected trends in the populations of school-aged children, child bearing females, and the entire population, critical decisions can be made regarding future programming demands, as well as facility needs.

The next section includes the following maps:

**Estimated Population of the Park Hill School District Community.** This map shows the estimated population density by census block within the school district. A census block group is a geographical unit used by the United States Census Bureau. It is the smallest geographical unit for which the bureau publishes sample data, i.e. data which is only collected from a fraction of all households.

**Estimated Rate of Change in Population.** This map shows the projected change in total population by census block group within district boundaries over ten years.

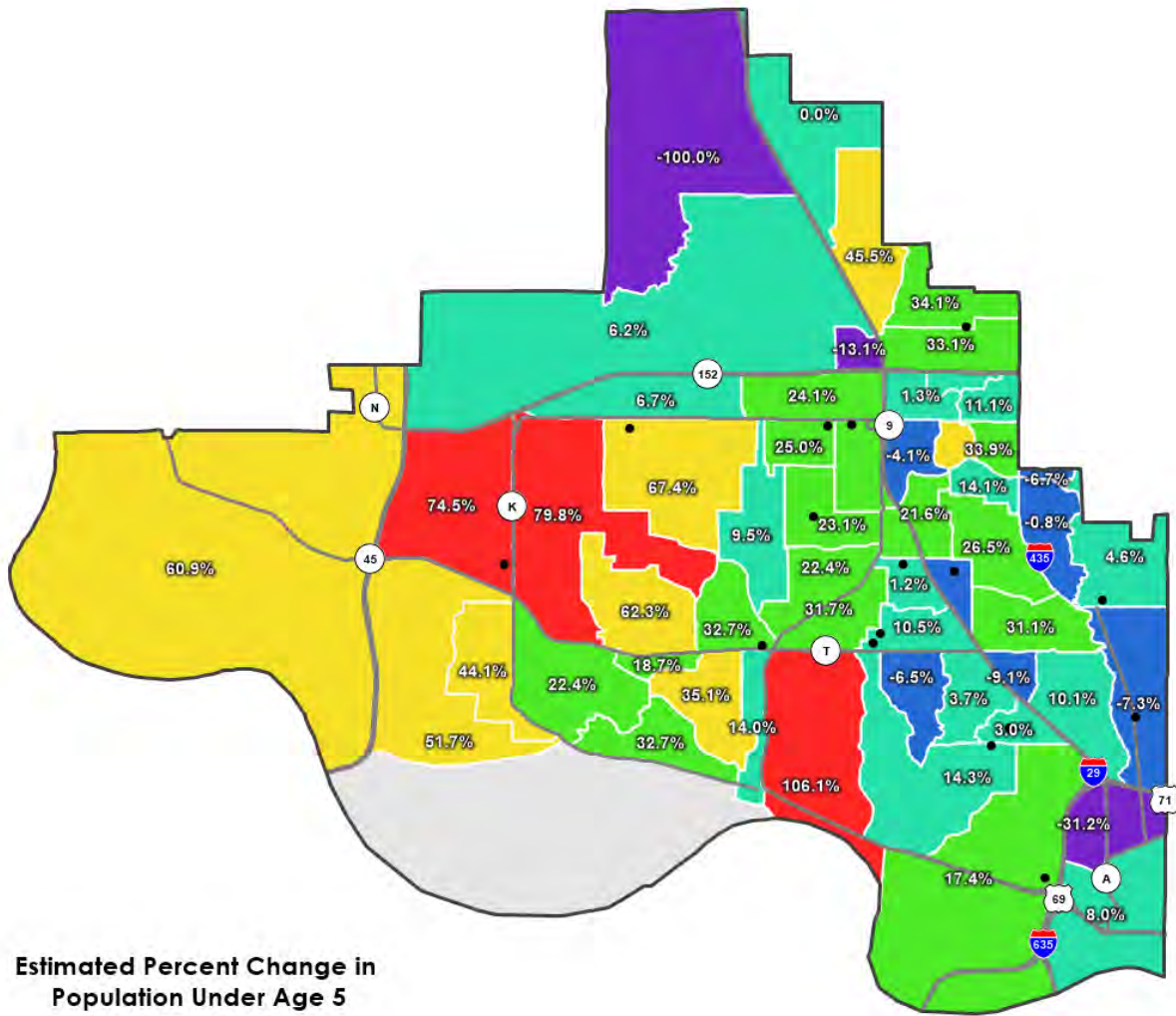
**Estimated Children Under the Age of 5.** This map shows the estimated population of children under the age of 5 with each census block.

**Estimated Change in Number of Children Under the Age of 5.** This map shows the projected change in the number of children less than five years of age population by census block group within district boundaries over ten years.

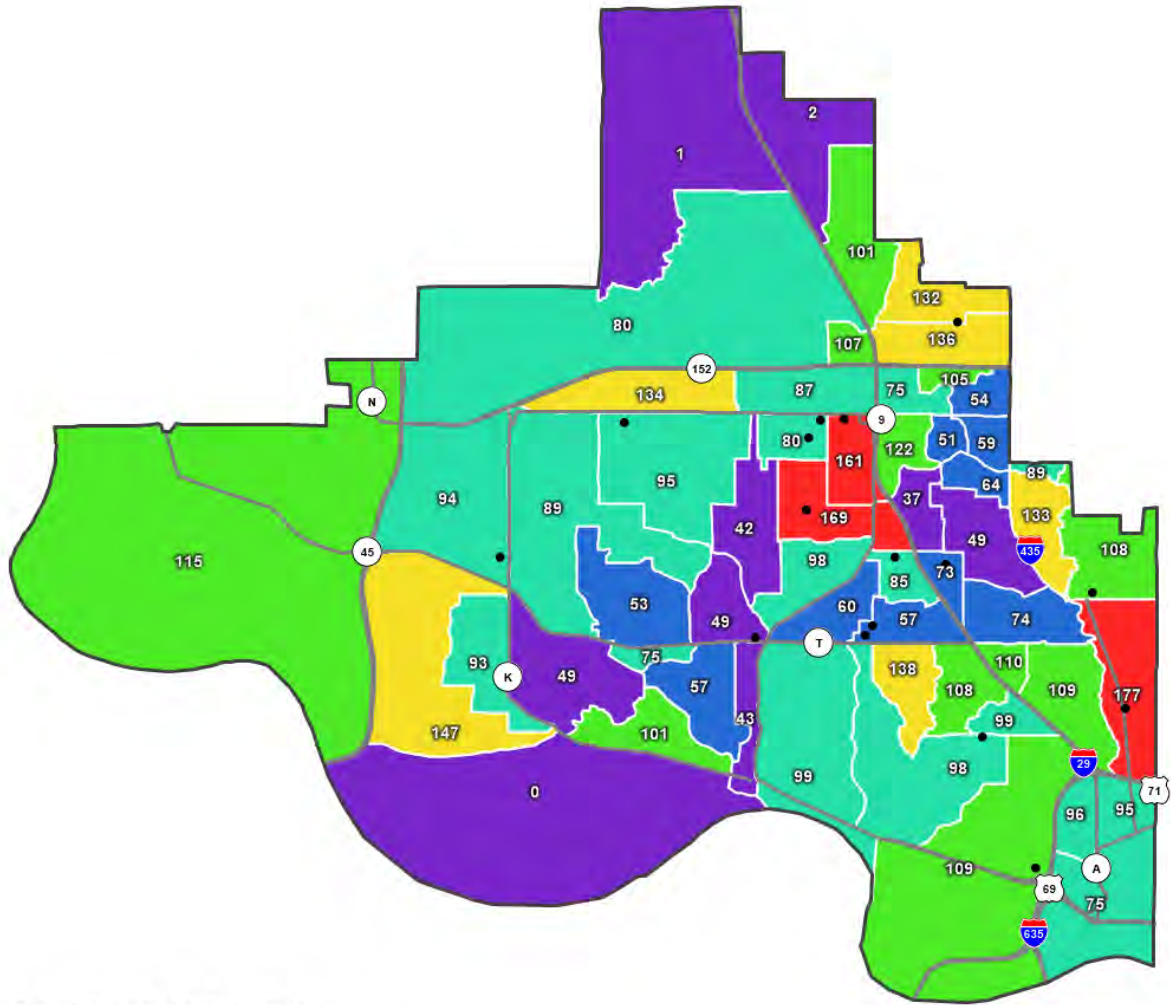




ESTIMATED CHILDREN UNDER THE AGE OF 5



ESTIMATED CHANGE IN NUMBER OF CHILDREN UNDER THE AGE OF 5



**Estimated 2023 Population Under Age 5**

- Schools
- Highways
- School District
- 49 and below
- 50 to 74
- 75 to 99
- 100 to 124
- 125 to 149
- 150 and above

