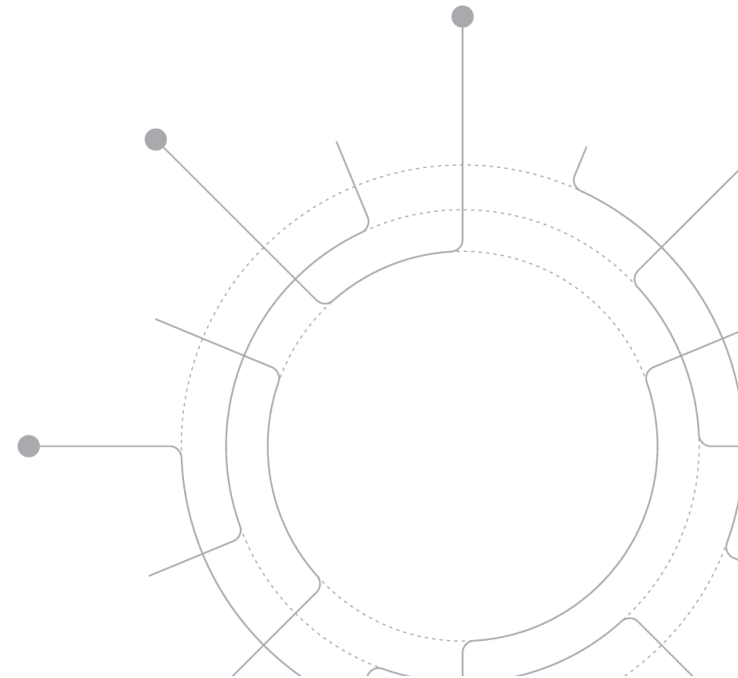# CITYWIDE ANALYSIS

K-8 and High School Fact Base: Citywide

Spring 2019

The Citywide Analysis is organized around four key metrics

Academic Quality

- School report card grades
- Trend of student performance over the last three years

Enrollment and Choice

- Historical and forecast enrollment trends
- Attendance patterns across district, charter and private schools

Program Viability

- Financial sustainability of District schools based on enrollment thresholds[1]
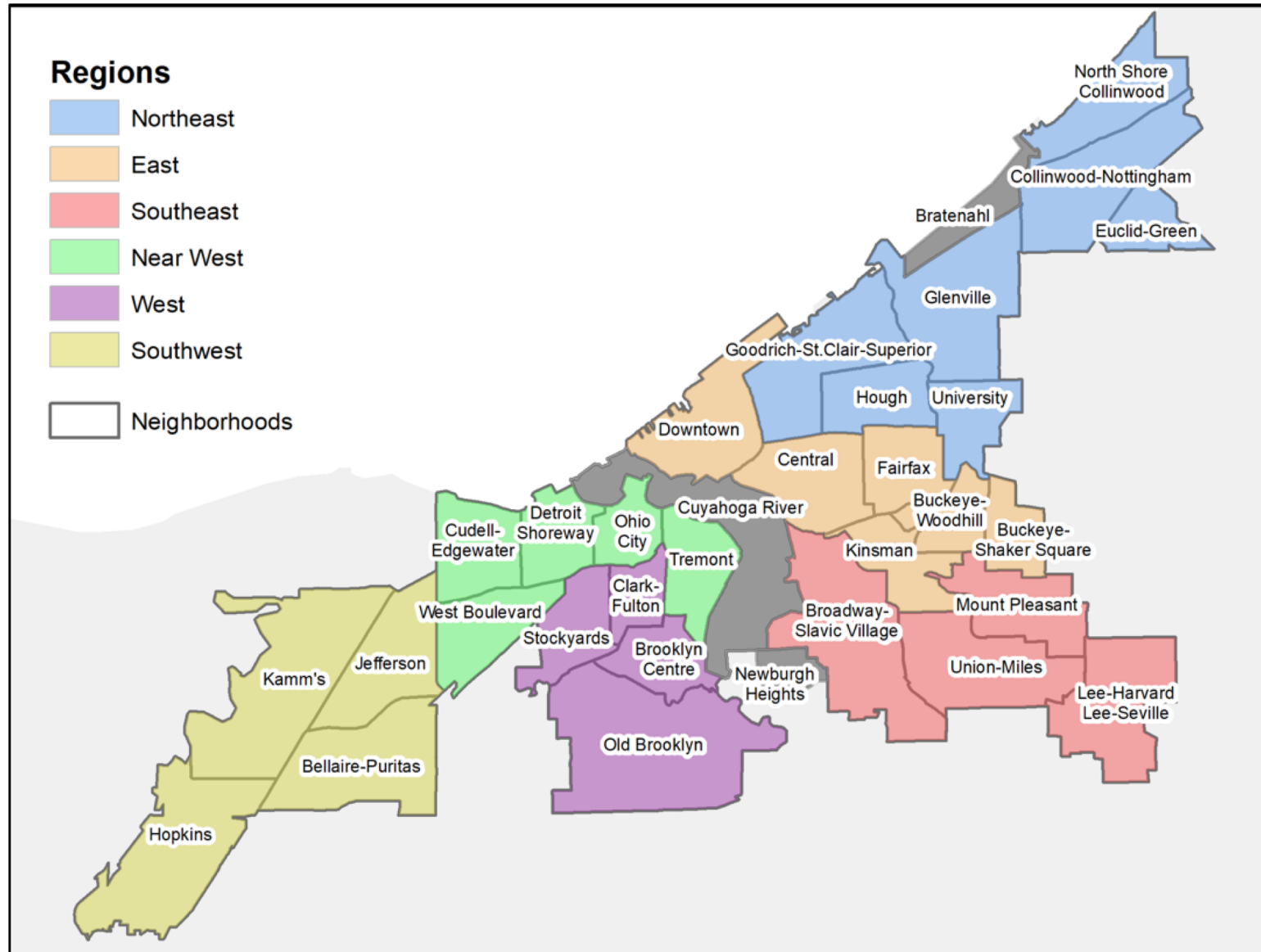
Building Use and Condition

- Proportion of the building that is being used by students, including spaces used for special populations and PreK services
- Condition of the school building

1 This metric is only applied to CMSD-operated schools, as each charter operator determines their own thresholds for program viability

Reference: map of regions

Citywide Analysis Key Takeaways

Academic Quality

- 26% of K-8 students, or more than 10,000 out of 38,000, attend an A, B or C-rated school. 19% of high school students, or roughly 2,800 of 14,000, attend an A, B or C school.
- Quality access is higher for west side residents for K-8 and east side residents for high school.

Enrollment and Choice

- By 2022-23, K-8 enrollment is forecast to decline 3.9% while high school is forecast to increase by 0.7%. Northeast and Near West are the regions with the largest declines.
- 45% of K-8 students and 43% of high school students residing in Cleveland attend a charter or private school.

Program Viability

- For District K-8 programs, 51% are below the minimum enrollment target of 360 students and 78% are below the desired enrollment level of 450 students.
- 79% of District high school programs are below the minimum viable target of 400 students and 95% are below the desired enrollment level of 500 students.

Building Use and Condition

- There are 8,000 unused K-8 seats in District buildings and 9,000 excess high school seats. Reported charter capacity points to more than 3,000 additional empty K-8 seats.
- 65% of District K-8 enrollment and approximately 57% of District high school enrollment is in buildings constructed or renovated since 2002.

Citywide summary: K-8 regional performance against 4 key metrics – District only

Region	⭐ Academic Quality	👥 Enrollment Forecast	🎯 Program Viability	🏫 Building Use and Condition
Northeast	25% (↑)	-8.5%	19%	59%
East	0% (--)	-2.2%	33%	80%
Southeast	12% (--)	-2.7%	62%	78%
Near West	15% (↑)	-7.9%	64%	87%
West	27% (↑)	0.1%	71%	64%
Southwest	55% (↑)	3.4%	63%	98%

Metric	2018 Report Card % K-8 Enrollment A, B, C (3-year average trend[1])	2022-23 vs. 2017-18 Forecast K-8 Student Population Change	2017-18 K-8 Schools above 360[2]	2017-18 Adjusted Capacity Utilization[3]
School set	*District Only*	*District Only*	*District Only*	*District Only*
Key	> 80% = Green 51 to 80% = Yellow 31 to 50% = Orange ≤ 30% = Red (>0.5 = improving 0.5 to -0.5 = flat <-0.5 = declining)	≥ 5% = Green 0 to 4% = Yellow -1 to -4% = Orange ≤ -5% = Red	> 80% = Green 71 to 80% = Yellow 61 to 70% = Orange ≤ 60% = Red	>80% = Green 71 to 80% = Yellow 61 to 70% = Orange ≤ 60% = Red

1 Based on weighted average of PI and K-3 literacy performance trend of schools in region

2 A minimum enrollment threshold of 360 students was determined based off of the required enrollment to allow for the baseline desired teaching and learning experience of 2 classrooms of 20 students per grade level for grades K to 8

3 Adjusted capacity utilization takes into account the current usage of classrooms for special populations, including Pre-K and Special Education

Citywide summary: K-8 regional performance against 4 key metrics – Charter only

Region	⭐ Academic Quality	👥 Enrollment Forecast	🎯 Program Viability	🏫 Building Use and Condition
Northeast	27% (↑)	-8.7%	271	81%
East	40% (--)	-2.8%	258	51%
Southeast	38% (--)	-3.5%	263	72%
Near West	52% (↑)	-7.9%	223	44%
West	50% (↑)	0.3%	229	68%
Southwest	75% (↑)	3.3%	215	69%

Metric	2018 Report Card % K-8 Enrollment A, B, C (3-year average trend[1])	2022-23 vs. 2017-18 Forecast K-8 Student Population Change	2017-18 Average School Enrollment	2017-18 Adjusted Capacity Utilization[2]
School set	*Charter Only*	*Charter Only*	*Charter Only*	*Charter Only*
Key	> 80% = Green 51 to 80% = Yellow 31 to 50% = Orange ≤ 30% = Red (>0.5 = improving 0.5 to -0.5 = flat <-0.5 = declining)	≥ 5% = Green 0 to 4% = Yellow -1 to -4% = Orange ≤ -5% = Red	> 80% = Green 71 to 80% = Yellow 61 to 70% = Orange ≤ 60% = Red	>80% = Green 71 to 80% = Yellow 61 to 70% = Orange ≤ 60% = Red

1 Based on weighted average of PI and K-3 literacy performance trend of schools in region
2 Capacity figures as reported to CWRU; Excludes utilization for all schools who did not report

Citywide summary: K-8 regional performance against 4 key metrics – District and Charter

Region	⭐ Academic Quality	👥 Enrollment Forecast	🎯 Program Viability	🏫 Building Use and Condition
Northeast	25% (↑)	-8.6%		67%
East	9% (--)	-2.4%		77%
Southeast	22% (--)	-3.0%	See District or Charter only summaries	76%
Near West	23% (↑)	-7.9%		77%
West	34% (↑)	0.2%		65%
Southwest	62% (↑)	3.4%		89%

Metric	2018 Report Card % K-8 Enrollment A, B, C (3-year average trend[1])	2022-23 vs. 2017-18 Forecast K-8 Student Population Change	2017-18 Adjusted Capacity Utilization[2]
School set	*District and Charter*	*District and Charter*	
Key	> 80% = Green 51 to 80% = Yellow 31 to 50% = Orange ≤ 30% = Red (>0.5 = improving 0.5 to -0.5 = flat <-0.5 = declining)	≥ 5% = Green 0 to 4% = Yellow -1 to -4% = Orange ≤ -5% = Red	>80% = Green 71 to 80% = Yellow 61 to 70% = Orange ≤ 60% = Red

1 Based on weighted average of performance trend of schools in region
2 Adjusted capacity utilization takes into account the current usage of classrooms for special populations, including Pre-K and Special Education. Only charter schools with capacity figures reported to CWRU were considered for the facility utilization

How many K-8 students are enrolled in quality schools?

2017-18 K-8 Enrollment by 2018 ODE Report Card Grade
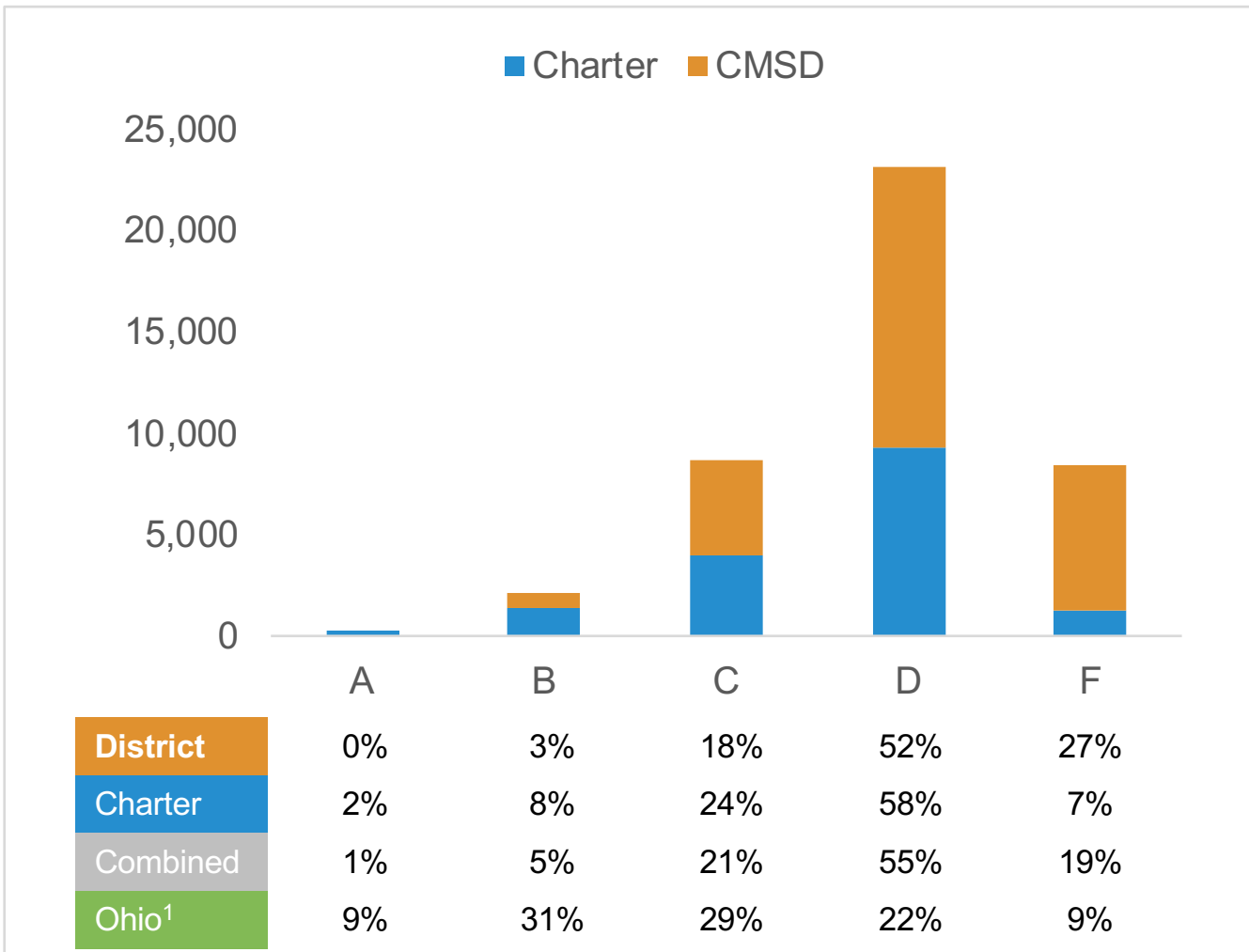
	A	B	C	D	F
District	0%	3%	18%	52%	27%
Charter	2%	8%	24%	58%	7%
Combined	1%	5%	21%	55%	19%
Ohio[1]	9%	31%	29%	22%	9%

- 26% of K-8 students, or more than 10,000 out of 38,000, attend an A, B or C-rated school.

- Overall, a majority of K-8 students (74%) are attending a D or F-rated school.

- 35% of charter students are attending an A, B or C school, slightly better than District schools, though both sectors have considerable progress to make to meet demand for quality.

1 Ohio scores are for all schools, due to unavailability for just K-8 schools

SOURCE: 2018 overall ODE Overall Report Card Grade; 2017-18 ODE headcount enrollment data

How are quality K-8 schools distributed throughout the city?

2017-18 K-8 Enrollment of District and Charter Schools by Region of School Location
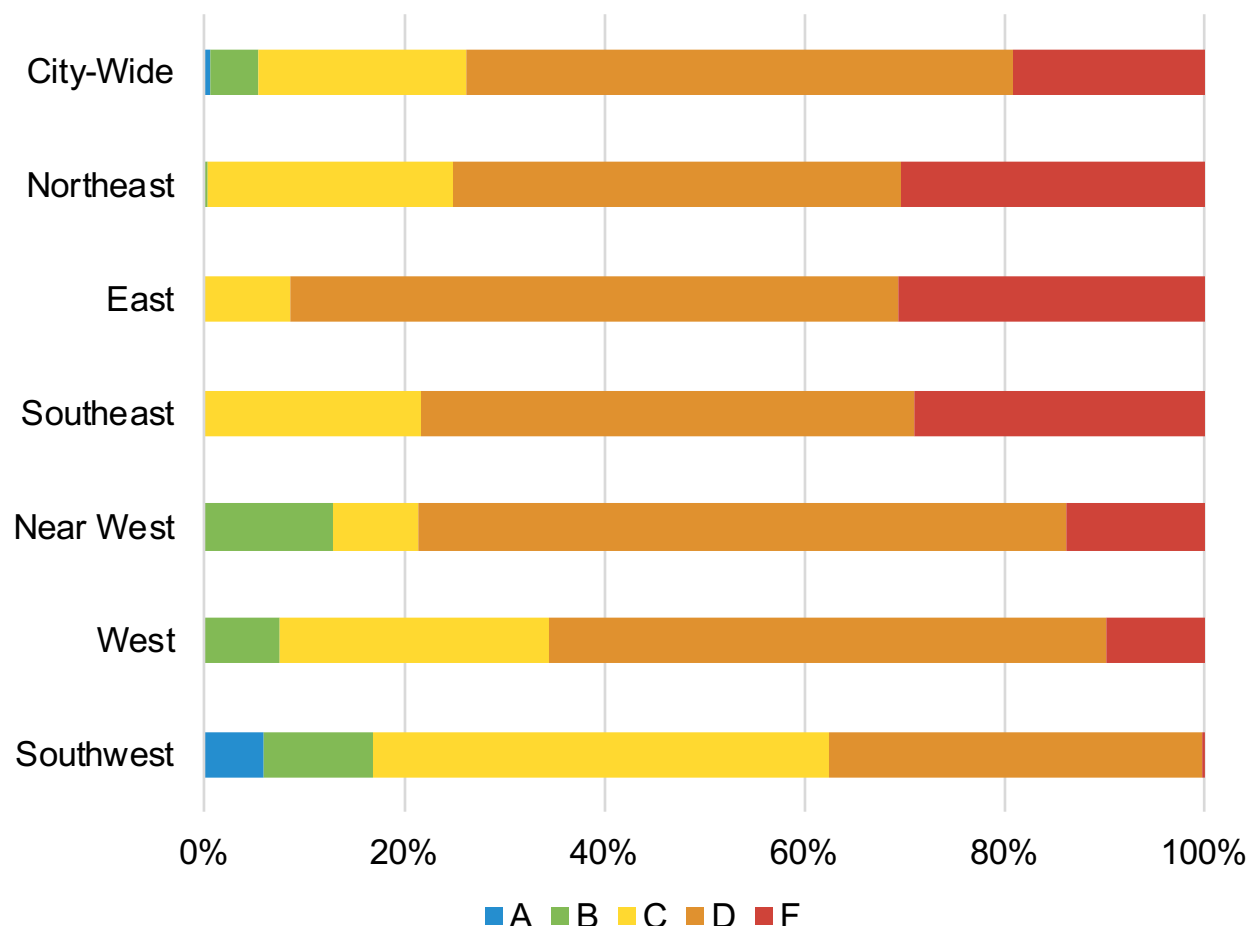
- While all regions require improved quality, there is currently better access to high quality school options on the west side of Cleveland at the K-8 level.

- 62% of K-8 seats in the Southwest region are rated A, B or C, while the East region has 9% of seats rated A, B or C.

SOURCE: 2018 ODE Overall Report Card Grade; omits Ohio Connections Academy from regional view; 2017-18 campus locations; 2017-18 ODE headcount enrollment data

Which regions of the city have the most students in quality K-8 schools?

Percent of K-8 Students Attending District or Charter Schools Rated A, B or C on the 2018 Ohio Report Card

School quality

- Less than 30%
- 31% - 50%
- 51% - 80%
- Greater than 80%

Northeast 25%

East 9%

Near West 23%

Southeast 22%

West 34%

Southwest 62%

- While all regions require improved quality, there is currently better access to high quality school options on the west side of Cleveland at the K-8 level.

- 62% of K-8 seats in the Southwest region are rated A, B or C, while the East region has 9% of seats rated A, B or C.

SOURCE: 2018 ODE Overall Report Card Grade; 2017-18 ODE headcount enrollment data
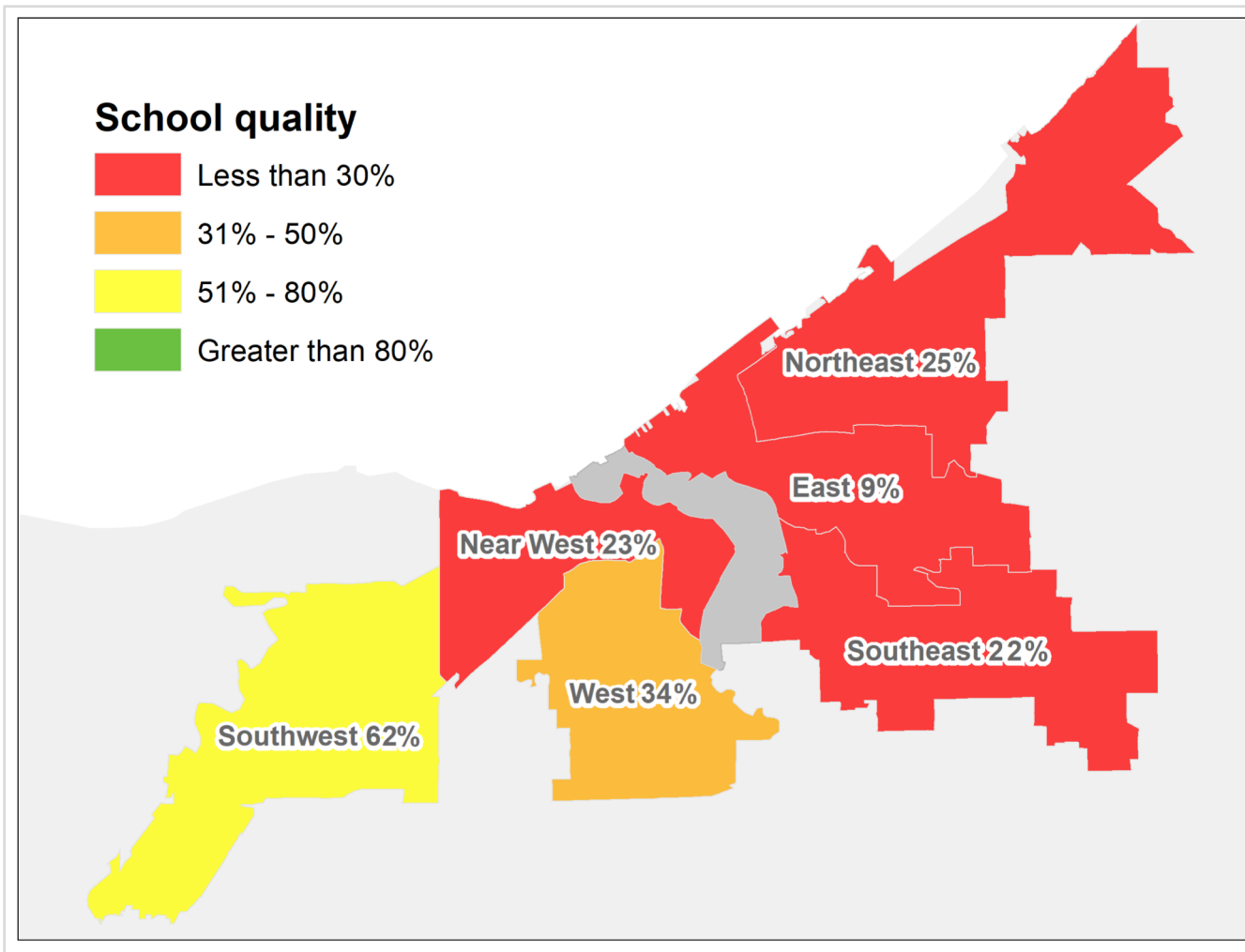
What are historical K-8 enrollment trends?

Annual K-8 Enrollment by District, Charter and Private School Type
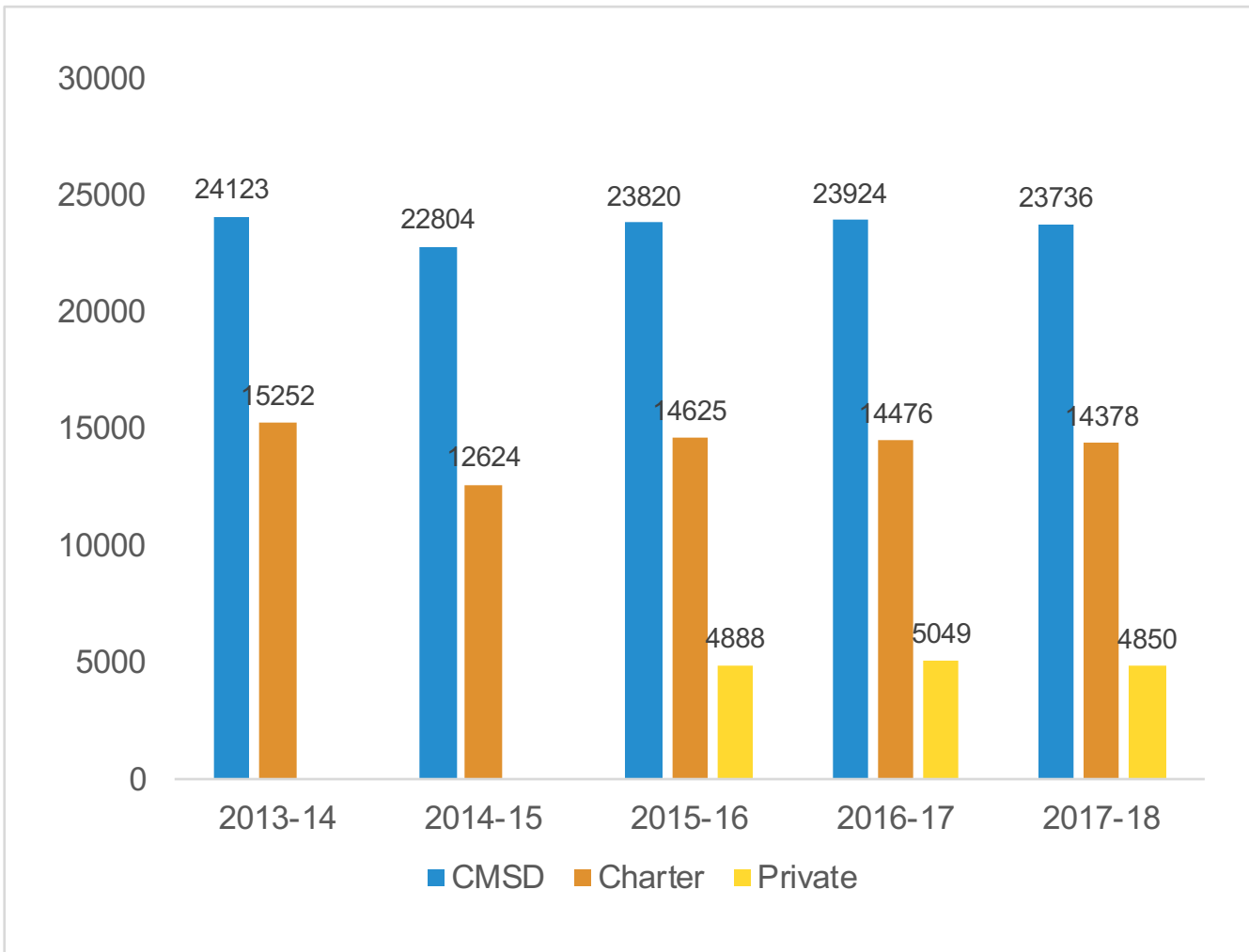
- District enrollment is largely flat from 2013-17.

- Charter enrollment peaked in 2013-14 and has declined 5.7% since.

- Private school scholarship enrollment is flat since 2015-16, which is the earliest student-level data available.

SOURCE: Geo-coded student-level data provided by CMSD; Private school enrollment refers to EdChoice & Cleveland Scholarship Program

What do enrollment forecasts suggest about changes in K-8 enrollment?

2017-18 to 2022-23 Enrollment Forecast of District and Charter Students

Forecast growth
- Less than -5%
- -4.9% - 0.0%
- 0.1% - 5.0%
- Greater than 5%

Map labels: -8.6%, -2.4%, -7.9%, -3%, 0.2%, 3.4%

Region	Enrollment Change	% Change
Northeast	-685	-8.6%
East	-124	-2.4%
Southeast	-385	-3.0%
Near West	-455	-7.9%
West	11	+0.2%
Southwest	+166	+3.4%
Total	-1,474	-3.9%
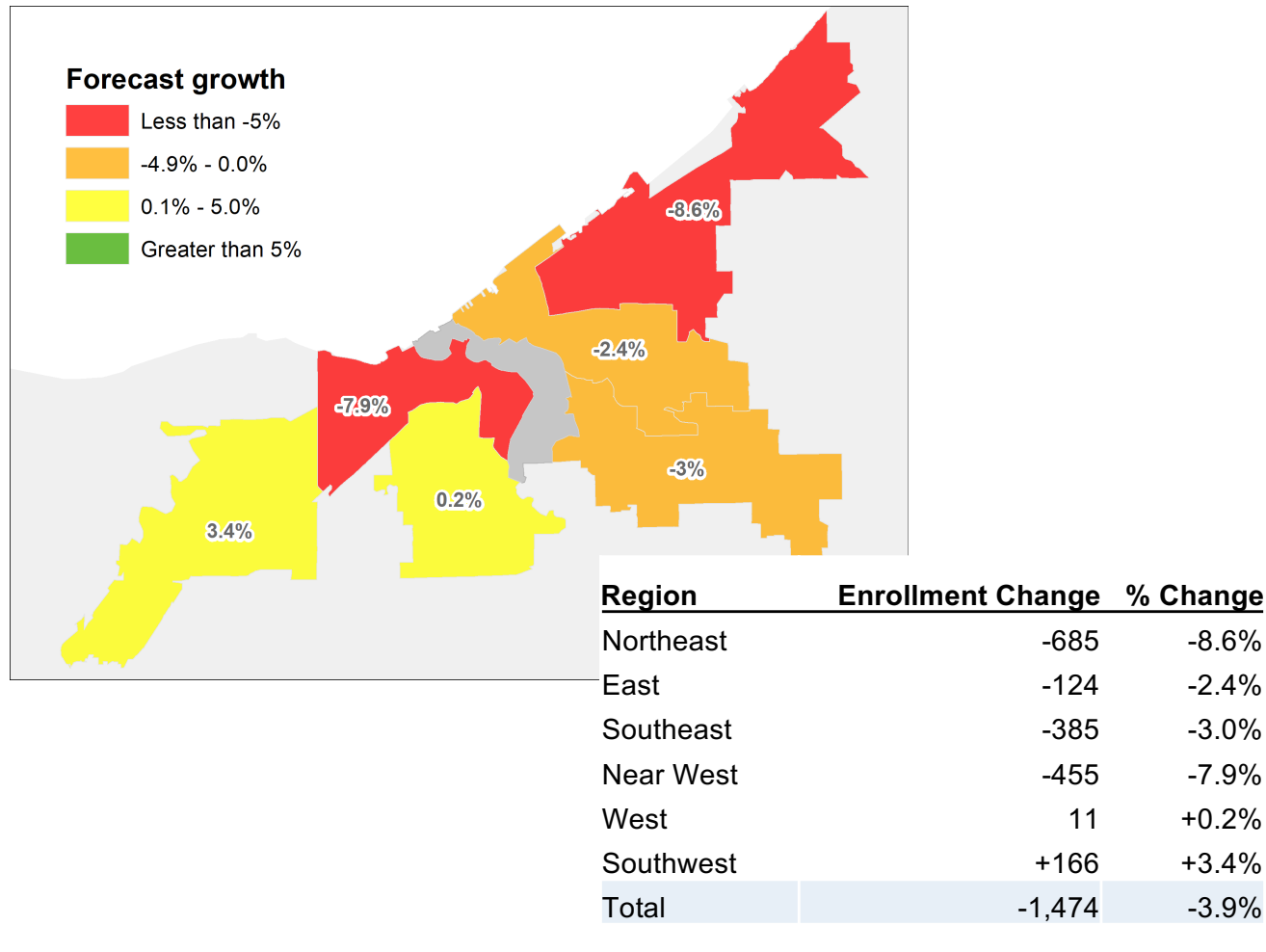
- Enrollment across both District and charters is forecast to decline by 3.9%, or 1,474 students, by 2022-23.

- The forecast shows large variances by region, with growth in West and Southwest, though large declines in Northeast and Near West.

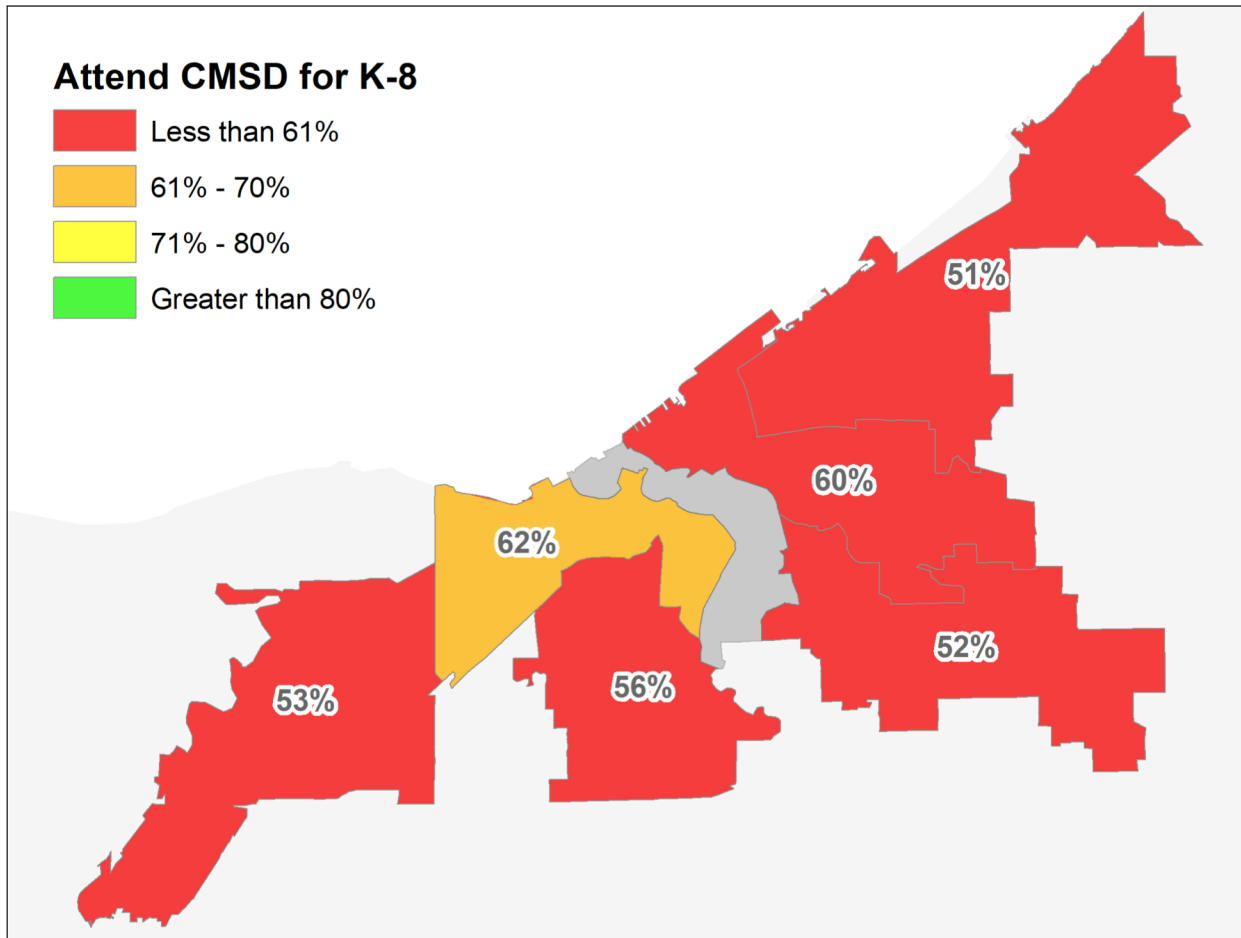# How are K-8 students choosing among sectors?

Proportion of K-8 Students Enrolled in District Versus Charter or Private School Options

Attend CMSD for K-8

- Less than 61%
- 61% - 70%
- 71% - 80%
- Greater than 80%

- In 2017-18, 19,228 students who live in Cleveland attended either a charter or private K-8 school, which represents 45% of all students in the city of Cleveland[1].

- The Northeast region has the lowest proportion of families choosing District schools (51%), while the Near West region has the highest.

1 Represents 45% of students in the ODE databases attending either District, another district, charter, or private school on a scholarship.

SOURCE: Geo-coded student-level data provided by CMSD; Private school enrollment refers to EdChoice & Cleveland Scholarship Program

Where are unique District K-8 academic programs located?

2017-18 K-8 District Schools with Specialized Academic Programs
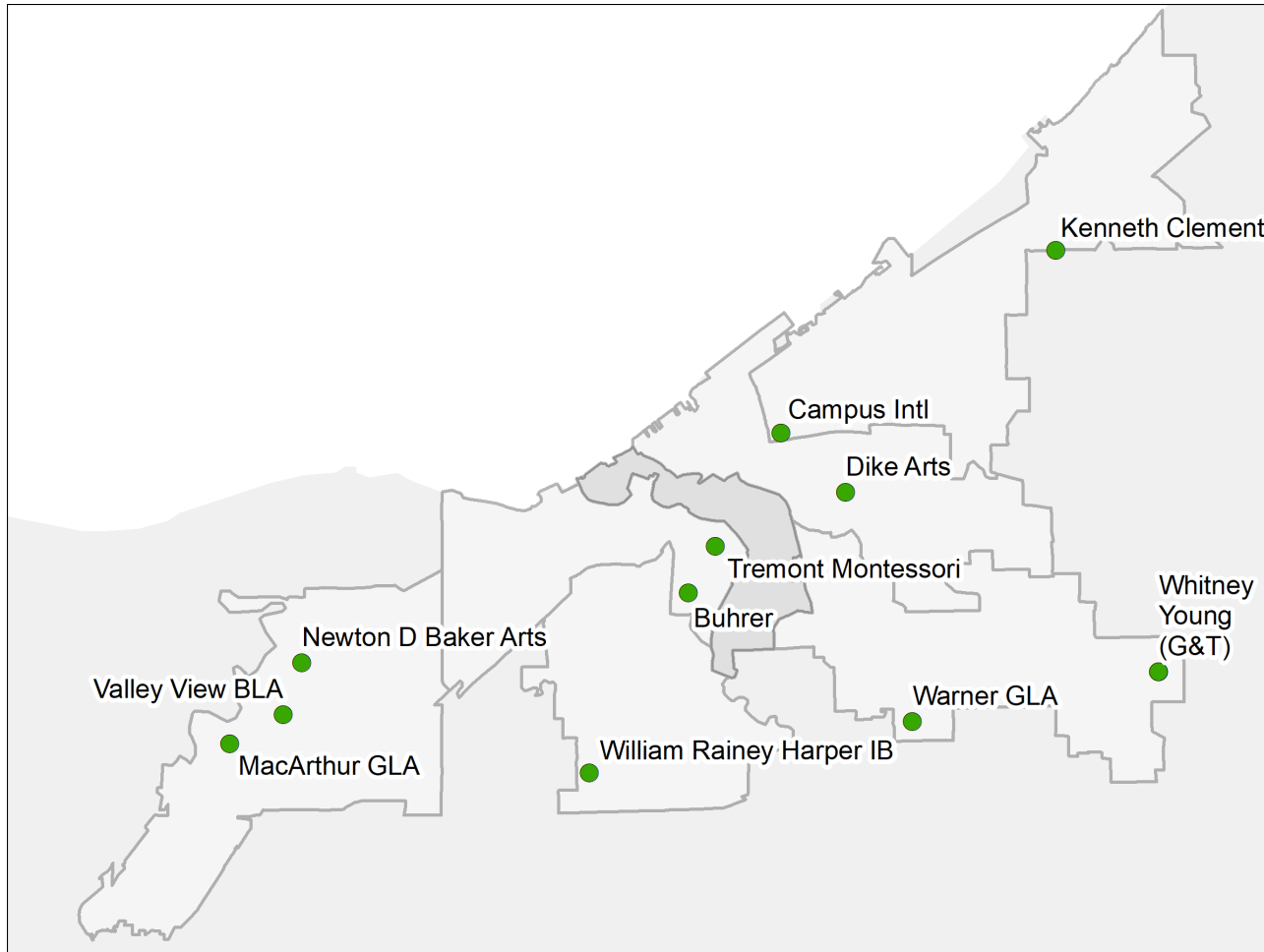
- While choice is not widely promoted at the K-8 level, there are several specific District academic programs that could attract choice students from other regions.
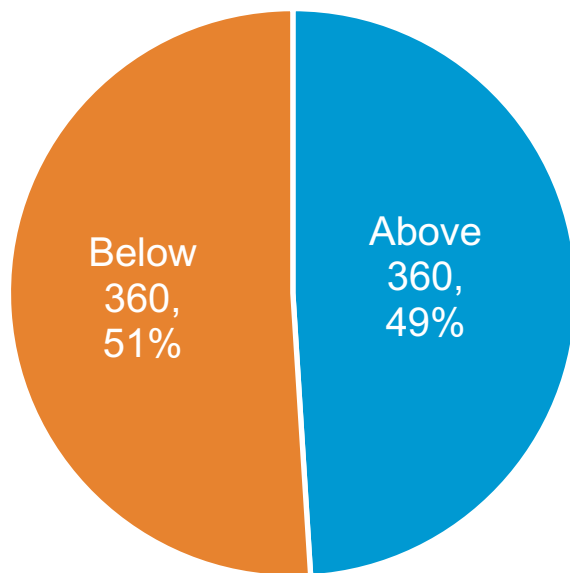
- Several models exist on both sides of town like girls and boys leadership academies (BLA, GLA), arts, and International Baccalaureate (IB).

What proportion of District K-8 schools meet minimum enrollment targets for program viability?

District K-8 Schools with 2017-18 Enrollment Above 360 Students

Below 360, 51%

Above 360, 49%

- District K-8 schools with at least 360 students are more likely to have the resources to sustain the baseline desired learning and teaching experience. This minimum enrollment target is the equivalent of about 20 students per class with two classes for each grade level from kindergarten to 8th grade.

- Ideally, District K-8 schools would enroll closer to 450 students, or about 25 students per class with two classes for each grade level, allowing for funding necessary for a more vibrant and viable school program.

- 49% of District K-8 schools are above the minimum viable enrollment target of 360 while 22% are above the desired enrollment level of 450 students.

What regions have the highest concentrations of K-8 schools above minimum viable enrollment?

District K-8 Schools with 2017-18 Enrollment Above 360 Students
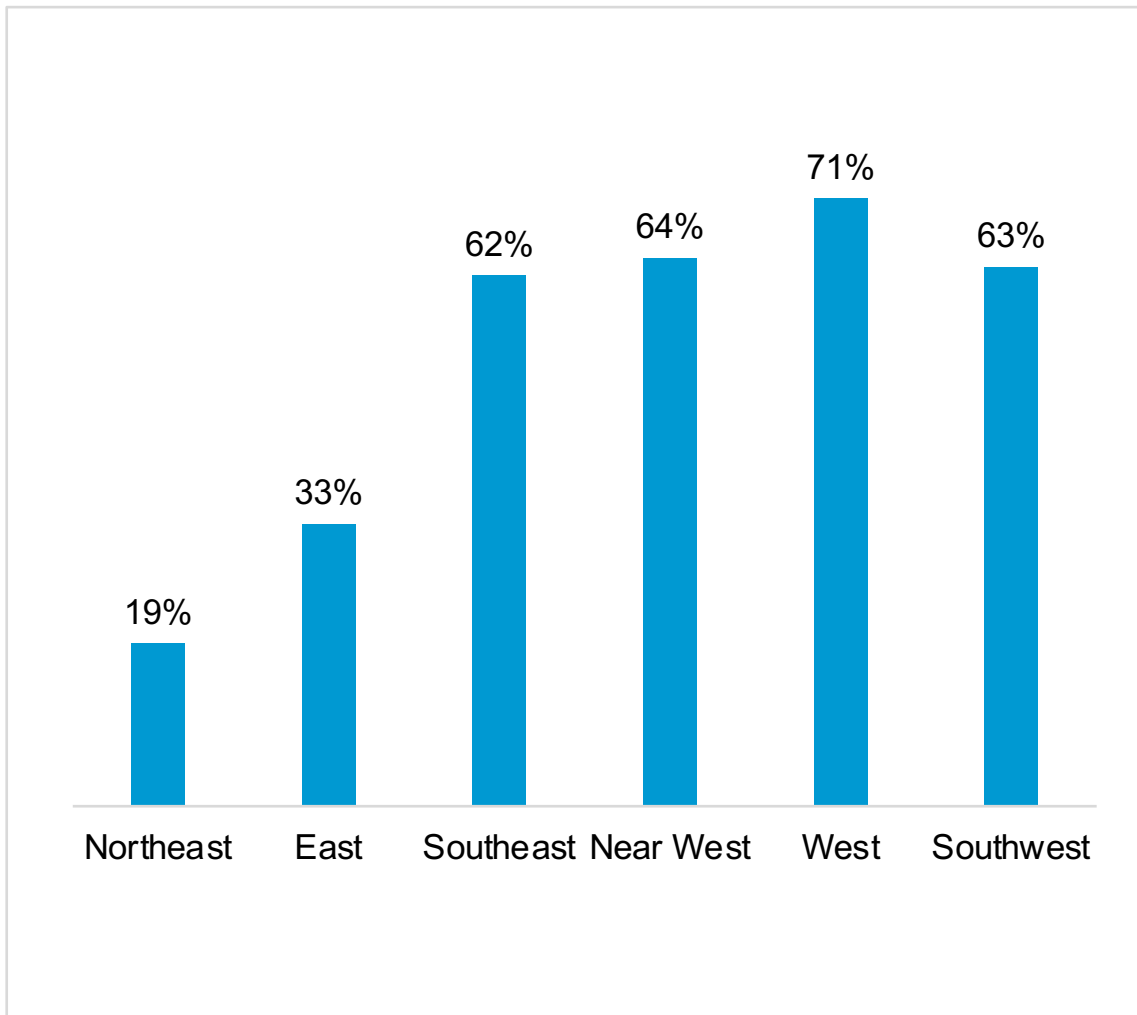
- The Northeast and East regions are outliers in terms of the disproportionally low number schools above the minimum viable enrollment target of 360 students.

- The West region has the highest proportion of schools that meet or exceed the minimum enrollment target of 360 students.

- Two-thirds of under-enrolled K-8 programs are located in regions that are forecast to have declining enrollment.

Which District K-8 schools are below minimum program viability enrollment levels?

2017-18 District Schools with Fewer Than 360 K-8 Students
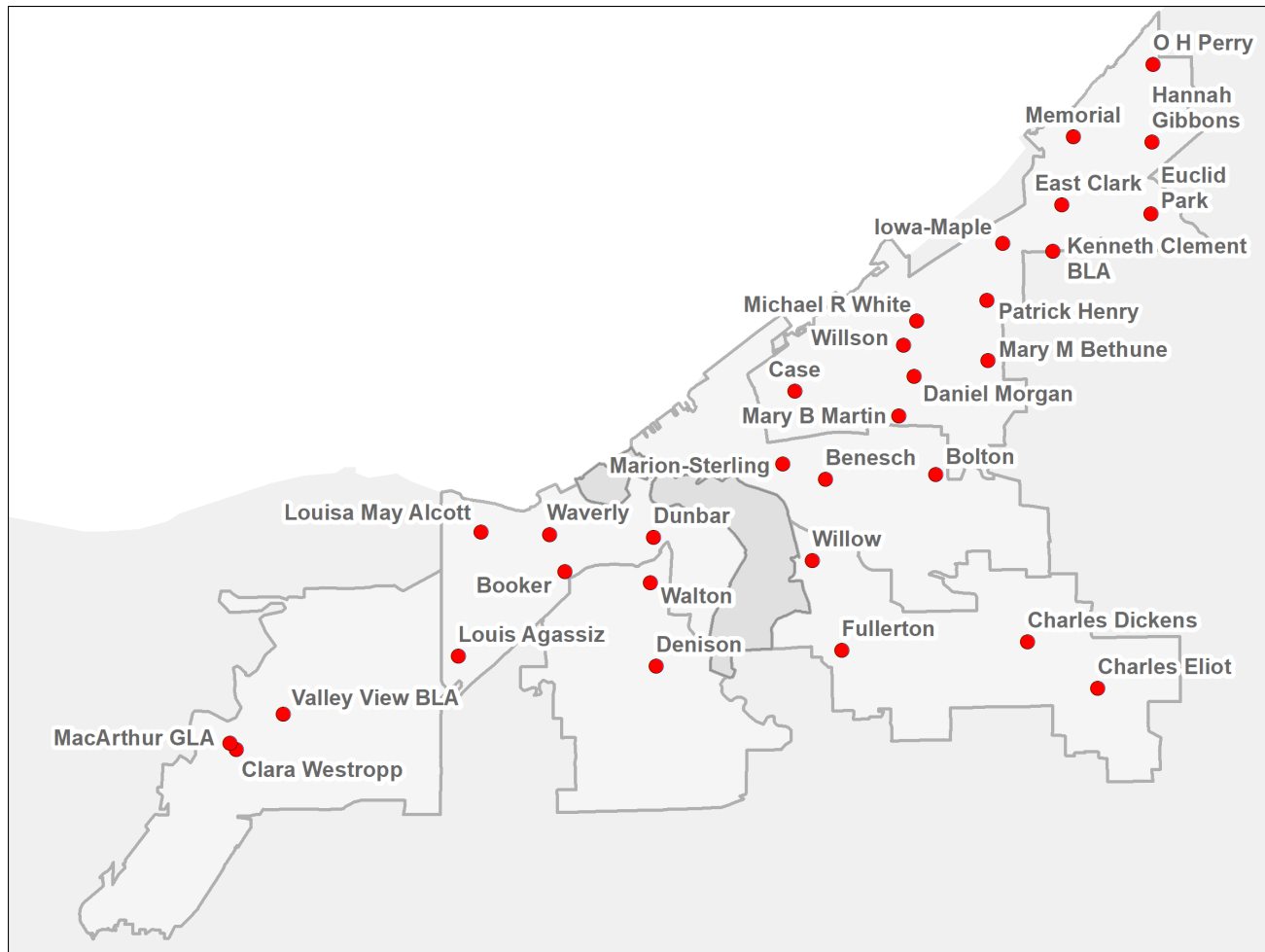
There are District schools that do not meet the minimum viable enrollment target of 360 students located across the city, with heavier concentrations in the Northeast and East regions.

What is the relationship between K-8 school quality and school enrollment size?

2017-18 K-8 Enrollment with 2018 ODE Report Card Score

2018 Report Card Score	# Schools		# Students	
	Below 360	**Above 360**	**Below 360**	**Above 360**
A	-	-	-	-
B	2	-	655	
C	9	5	2,148	2,283
D	8	23	1,994	10,627
F	15	5	4,377	2,220
Citywide	**34**	**33**	**9,174**	**15,130**

- While 44% of schools below the program viability target of 360 were rated F, only 15% of schools above the target were rated F on the 2018 Ohio Report Card.

- Additionally, 75% of F-rated schools are below the enrollment target.

SOURCE: 2017-18 ODE headcount enrollment data; 2018 ODE Overall Report Card Score

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What percentage of District K-8 seats are utilized?

2017-18 K-8 Building Utilization and Corresponding Empty Seats

Capacity utilization

- Less than 70%
- 71% - 79%
- Greater than 80%

Utilization: 63%
Empty seats: 2761

Utilization: 79%
Empty seats: 997

Utilization: 87%
Empty seats: 835

Utilization: 72%
Empty seats: 1852

Utilization: 98%
Empty seats: 88

Utilization: 64%
Empty seats: 1710
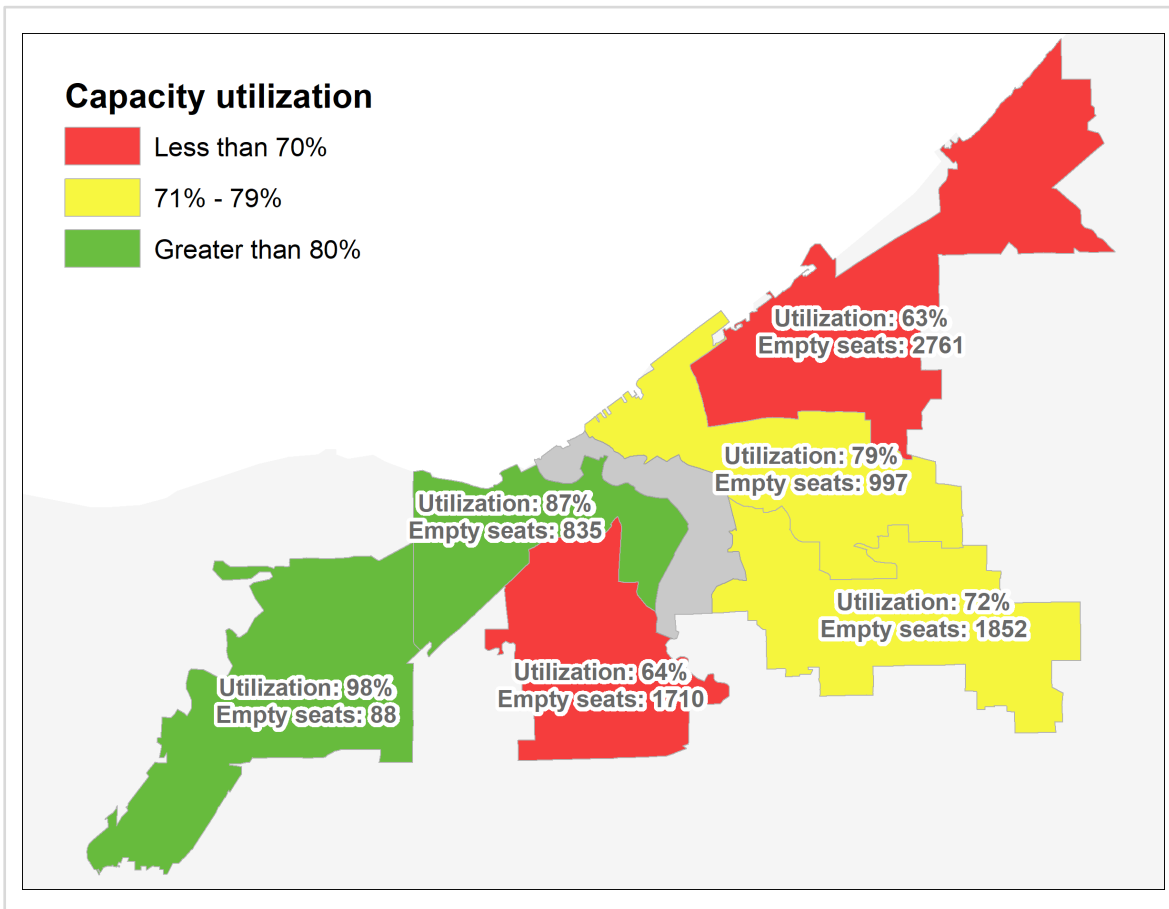
- Overall, about 25% of seats in District K-8 buildings are empty. There is enough unused space in District K-8 buildings to accommodate at least 8,000 more students than are currently enrolled. Nearly half of these empty seats are in schools rated A, B or C.

- Reported charter capacity points to more than 3,000 additional empty K-8 seats, suggesting there are more than 11,000 excess seats in K-8 buildings across the city.

- The Northeast and West regions have the lowest building utilization rates, while the Near West and Southwest have the highest.

METHOD: 2017-18 enrollment divided by 2017-18 facility capacity, adjusted for PreK and special education classrooms

SOURCE: 2017-18 ODE headcount enrollment data; 2017-18 capacity figures provided by CMSD Operations, adjusted for 2018-19 PreK and special education classrooms
Charter capacity figures as reported to CWRU

What percentage of District K-8 enrollment is located in buildings constructed or renovated since 2002?

2017-18 District K-8 Enrollment by Building Age

New / renovated enrollment

- Less than 61%
- 61% - 80%
- Greater than 80%
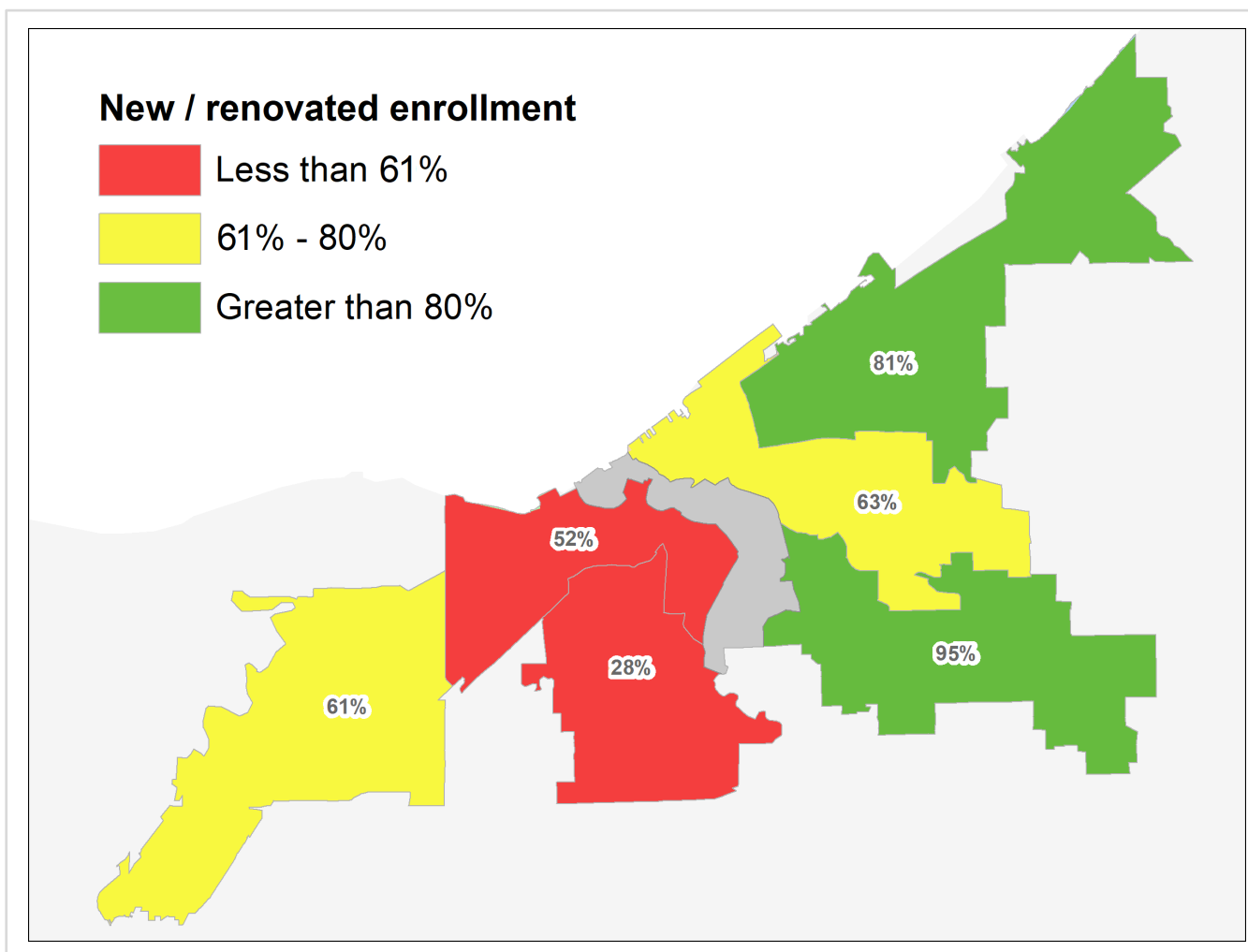
- Overall, 65% of District K-8 enrollment is in buildings constructed or renovated since 2002, when the current building campaign launched.

- The Near West and West regions have the lowest proportion of students enrolled in buildings that are new or renovated since 2002, while the Northeast and Southeast have the highest.
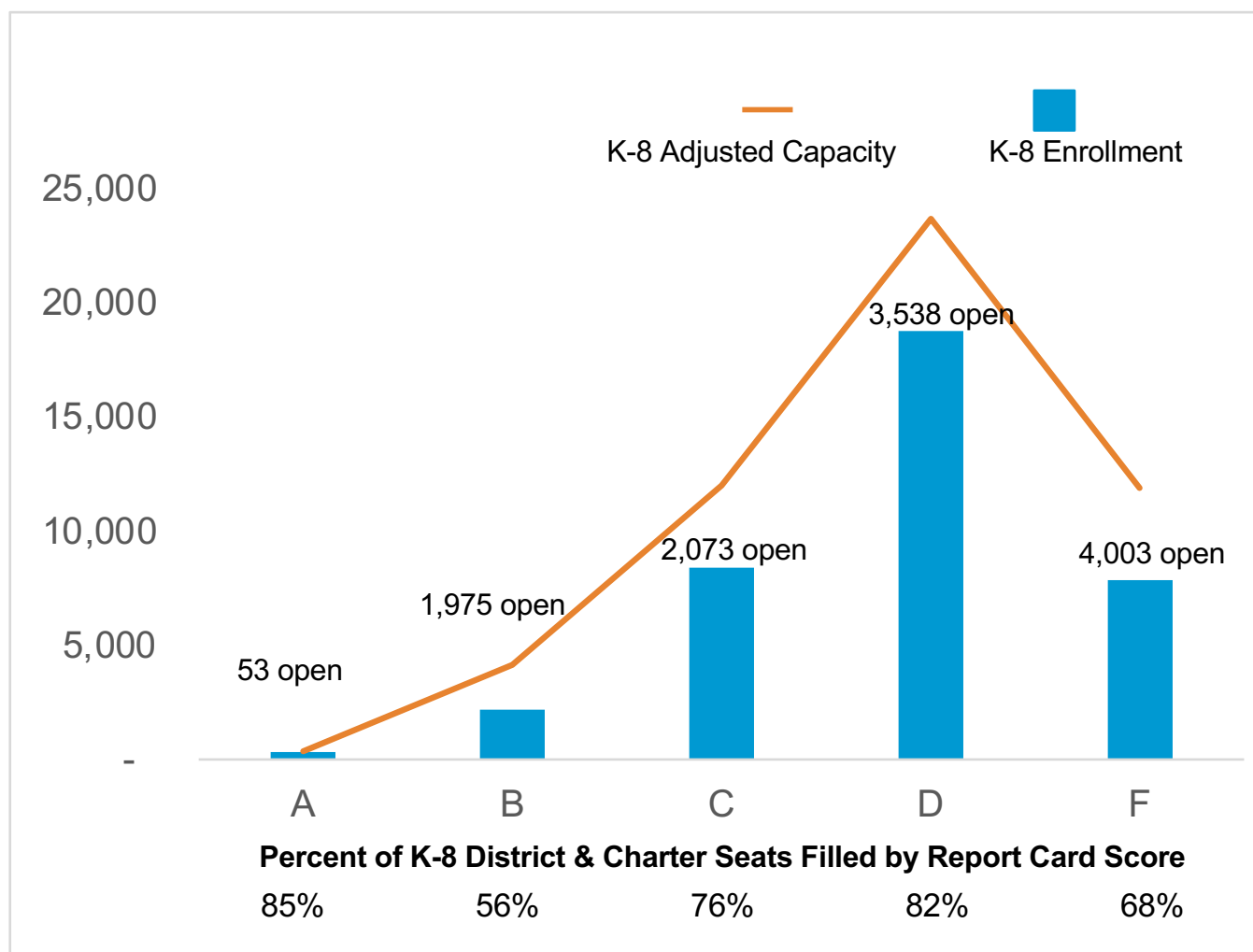
METHOD: 2017-18 District K-8 enrollment in new or renovated facilities divided by total regional District K-8 enrollment

SOURCE: CMSD Operations Department for new/renovated facilities, 2017-18 ODE headcount enrollment data

What opportunities exist to maximize the capacity at higher quality K-8 schools?

2017-18 K-8 Enrollment and Adjusted Capacity of District and Charter Schools by 2018 ODE Report Card Score

K-8 Adjusted Capacity   K-8 Enrollment

53 open · 1,975 open · 2,073 open · 3,538 open · 4,003 open

Percent of K-8 District & Charter Seats Filled by Report Card Score

A	B	C	D	F
85%	56%	76%	82%	68%

- While A-rated K-8 schools have the highest utilization rate, B-rated schools are filled to the lowest percentage.

- There are more than 4,000 open seats in A, B or C-rated schools, which could serve close to half of students attending F-rated schools today.

Citywide summary: high school regional performance against 4 key metrics – District only

Region	★ Academic Quality	👥 Enrollment Forecast	🎯 Program Viability	🏫 Building Use and Condition
Northeast	38% (--)	-6.0%	20%	43%
East	27% (↑)	0.0%	0%	60%
Southeast	25% (--)	1.4%	14%	48%
Near West	10% (--)	-2.2%	0%	46%
West	12% (↑)	10.1%	22%	91%
Southwest	9% (--)	15.0%	60%	75%

Metric	2018 Report Card % HS Residents in A, B, C Seats (3-year average trend[1])	2022-23 vs. 2017-18 Forecast High School Student Population Change	2017-18 HS Schools above 400[2]	2017-18 Adjusted Capacity Utilization[3]
School set	*District Only*	*District Only*	*District Only*	*District Only*
Key	> 80% = Green 51 to 80% = Yellow 31 to 50% = Orange ≤ 30% = Red (>0.5 = improving 0.5 to -0.5 = flat <-0.5 = declining)	≥ 5% = Green 0 to 4% = Yellow -1 to -4% = Orange ≤ -5% = Red	> 80% = Green 71 to 80% = Yellow 61 to 70% = Orange ≤ 60% = Red	>80% = Green 71 to 80% = Yellow 61 to 70% = Orange ≤ 60% = Red

1 Based on weighted average of performance index and graduation rate performance trend of schools in region
2 A minimum enrollment target of 400 students assumes a baseline school size of 100 students per grade 9-12
3 Adjusted capacity utilization takes into account the current usage of classrooms for special populations, including Special Education

Citywide summary: high school regional performance against 4 key metrics – Charter only

Region	Academic Performance	Enrollment Forecast	School Program Viability	Facility Utilization
Northeast	0% (--)	-6.3%	247	-
East	0% (--)	-0.6%	-	-
Southeast	0% (--)	1.4%	-	-
Near West	0% (--)	-2.4%	253	-
West	0% (--)	9.6%	-	-
Southwest	0% (--)	14.3%	-	-

Metric	2018 Report Card % HS Residents in A, B, C Seats (3-year average trend[1])	2022-23 vs. 2017-18 Forecast High School Student Population Change	2017-18 Average School Enrollment	2017-18 Adjusted Capacity Utilization[2]
School set	Charter Only	Charter Only	Charter Only	Charter Only
Key	> 80% = Green 51 to 80% = Yellow 31 to 50% = Orange ≤ 30% = Red (>0.5 = improving 0.5 to -0.5 = flat <-0.5 = declining)	≥ 5% = Green 0 to 4% = Yellow -1 to -4% = Orange ≤ -5% = Red	> 80% = Green 71 to 80% = Yellow 61 to 70% = Orange ≤ 60% = Red	>80% = Green 71 to 80% = Yellow 61 to 70% = Orange ≤ 60% = Red

1 Based on weighted average of performance index and graduation rate performance trend of schools in region
2 Capacity figures not collected from charter high schools

Citywide summary: high school regional performance against 4 key metrics – District and Charter

Region	Academic Quality	Enrollment Forecast	Program Viability	Building Use and Condition
Northeast	34% (--)	-6.1%		
East	25% (↑)	-0.2%	See District or Charter only summaries	See District or Charter only summaries
Southeast	24% (--)	1.4%		
Near West	9% (--)	-2.3%		
West	12% (--)	9.9%		
Southwest	9% (--)	14.8%		

Metric	2018 Report Card % HS Residents in A, B, C Seats (3-year average trend[1])	2022-23 vs. 2017-18 Forecast High School Student Population Change		
School set	District and Charter	District and Charter		
Key	> 80% = Green 51 to 80% = Yellow 31 to 50% = Orange ≤ 30% = Red (>0.5 = improving 0.5 to -0.5 = flat <-0.5 = declining)	≥ 5% = Green 0 to 4% = Yellow -1 to -4% = Orange ≤ -5% = Red		

1 Based on weighted average of performance index and graduation rate performance trend of schools in region

How many HS students are enrolled in quality schools?

2017-18 Charter and District High School Enrollment by 2018 ODE Report Card Scores
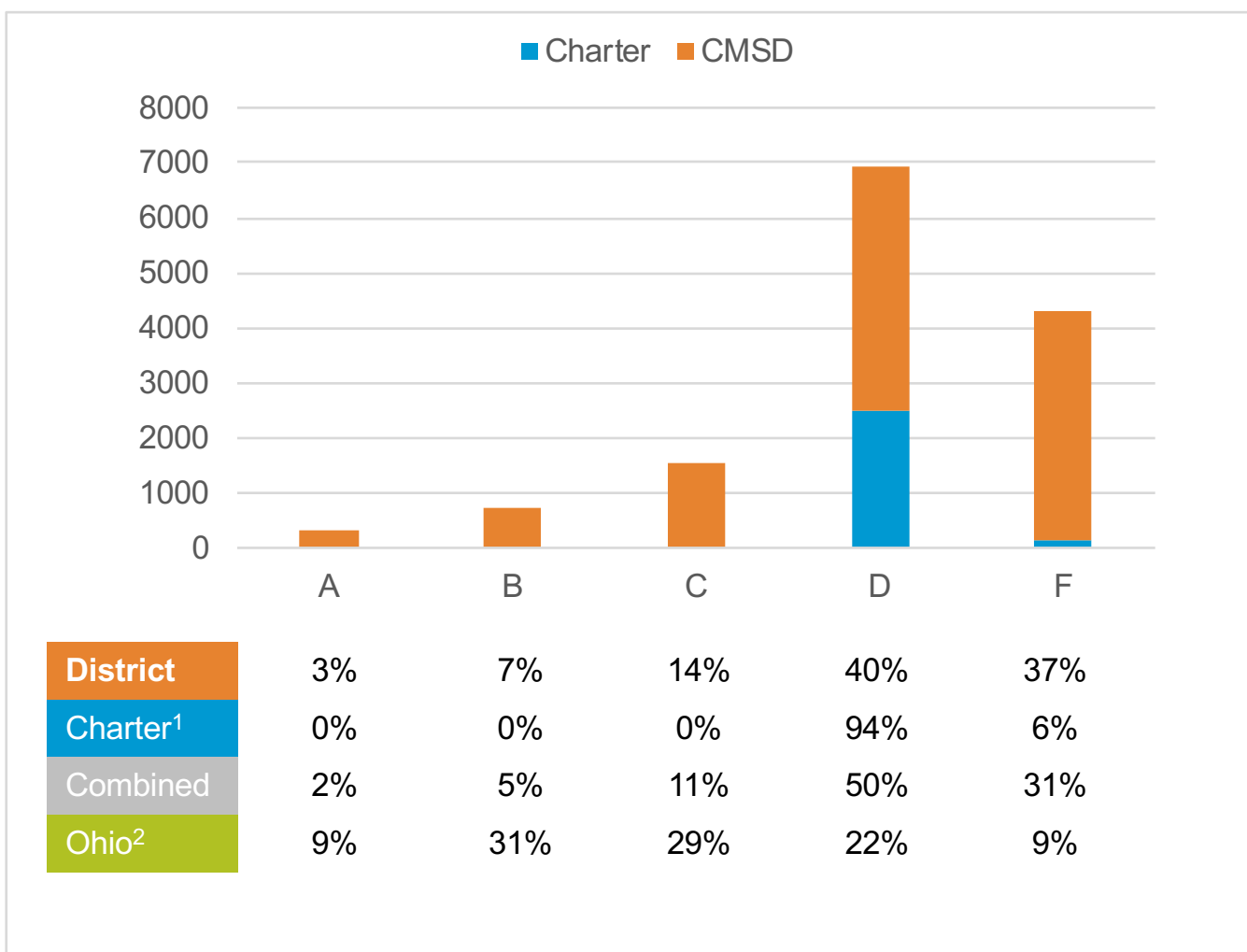
Charter ■ **CMSD** ■

	A	B	C	D	F
District	3%	7%	14%	40%	37%
Charter[1]	0%	0%	0%	94%	6%
Combined	2%	5%	11%	50%	31%
Ohio[2]	9%	31%	29%	22%	9%

- 19% of high school students, or roughly 2,800 of 14,000 attend an A, B or C-rated school.

- Overall, a majority of students (81%) are attending a D or F-rated school.

- Most of the District students attending an A, B or C-rated school are in schools with admissions criteria.

1 Excludes alternative high schools, but includes virtual charter high schools
2 Ohio is for all schools, unavailable for just high schools

SOURCE: 2017-18 ODE headcount enrollment data; 2018 ODE Overall Report Card Scores; Totals may not add up to 100% due to rounding

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What is the quality of high schools students in regions across the city are attending?

Percent of Residents Attending District and Charter Schools by Report Card Score
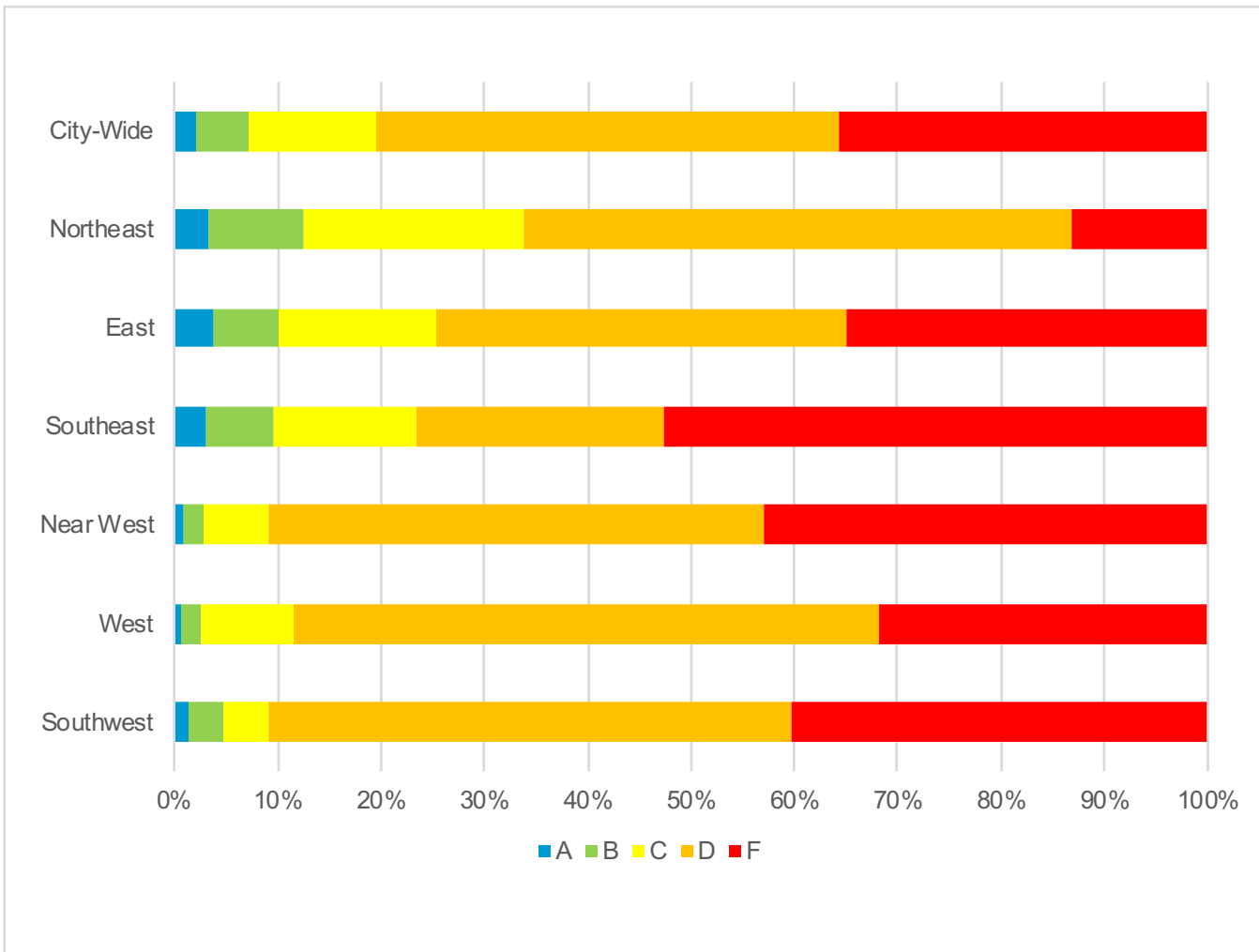
- East side residents are attending A, B or C-rated schools at roughly 20 percentage points higher than their west side peers.

- There is greater access to higher quality high schools for east side residents due to the proximity of admissions criteria schools, in the University Circle area.

SOURCE: 2018 ODE Report Card Scores; Excludes virtual and alternative charter high schools; 2017-18 ODE headcount enrollment data

Which regions of the city have the most students attending quality high schools?

Percent of K-8 Students Attending District or Charter Schools Rated
A, B or C on the 2018 Ohio Report Card

School quality

- Less than 31%
- 31% - 50%
- 51% - 80%
- Greater than 80%

Northeast 34%

East 25%

Near West 9%

Southeast 24%

West 12%

Southwest 9%
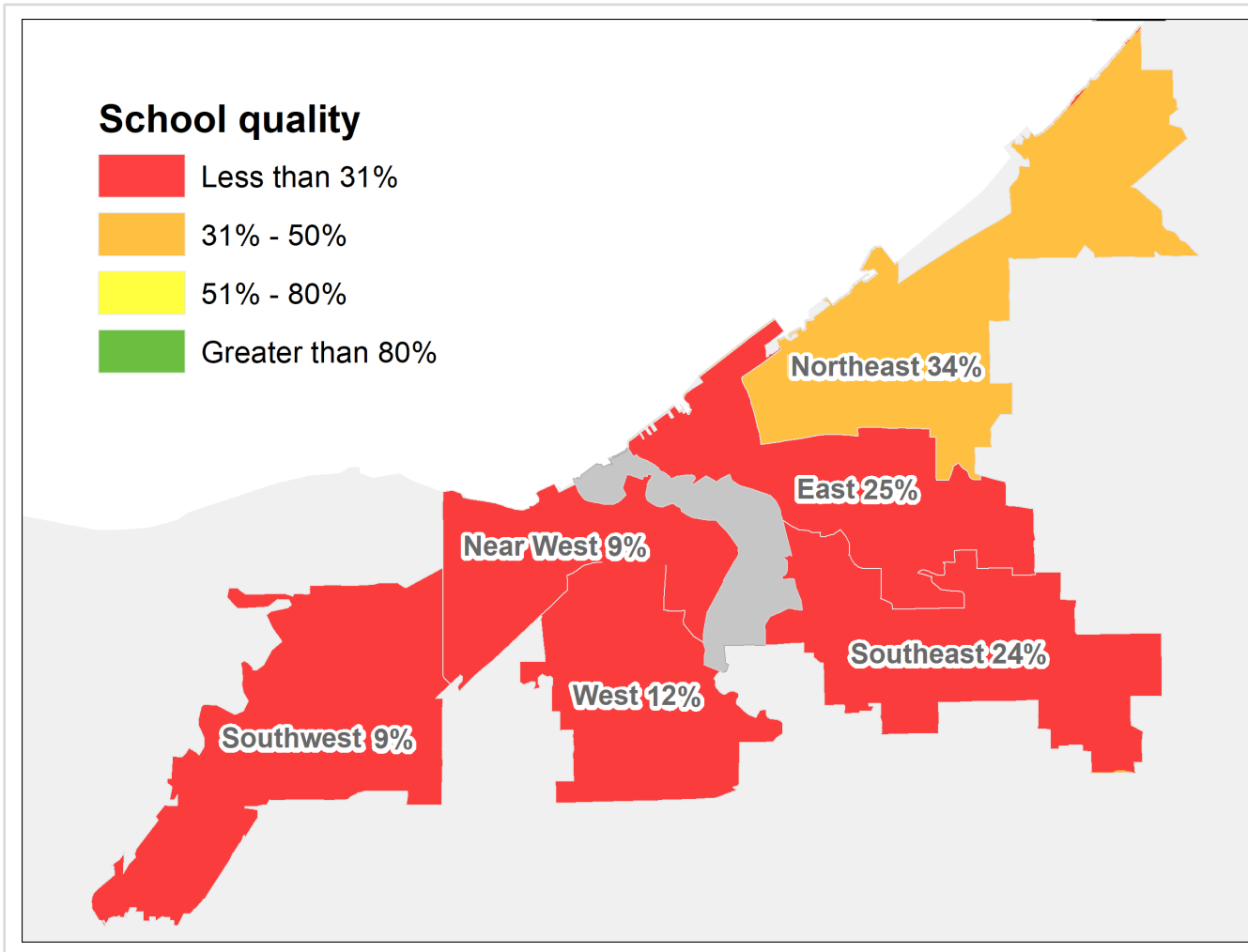
There is greater access to higher quality high schools for east side residents due to the proximity of admissions criteria schools.

What are historical high school enrollment trends?

Annual K-8 Enrollment by District, Charter and Private School Type
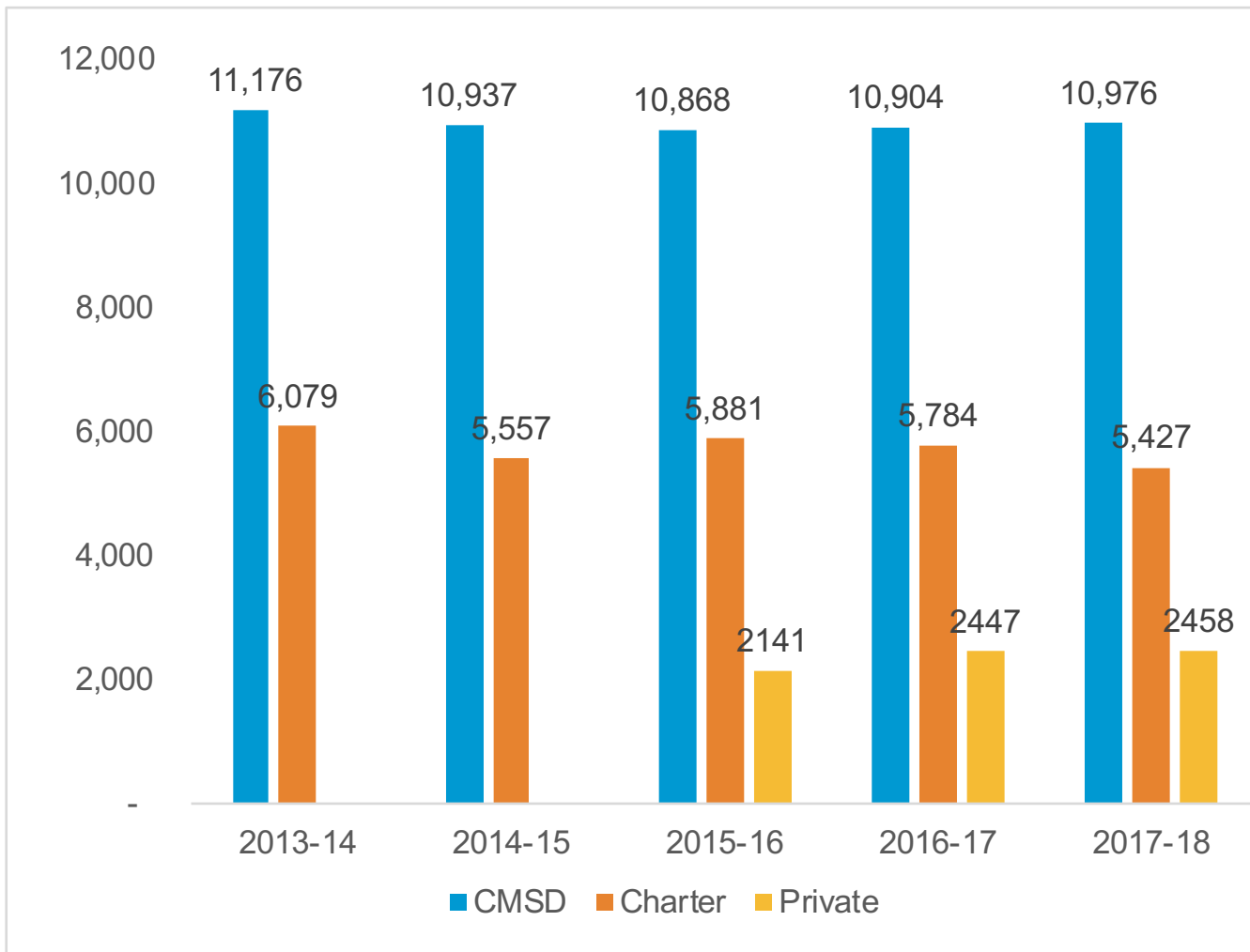
- District high school enrollment is largely flat from 2013-17.

- Charter high school enrollment peaked in 2013 and has since declined by 10.7%, with many students enrolled in alternative high school models.

What do enrollment forecasts suggest about changes in high school enrollment?

2017-18 to 2022-23 Enrollment Forecast of District and Charter Students

Forecast growth

- Less than -5%
- -4.9% - 0.0%
- 0.1% - 5.0%
- Greater than 5%

-6.1%

-0.2%

-2.3%

1.4%

9.9%

14.8%

Region	Enrollment Change	% Change
Northeast	-177	-6.1%
East	-3	-0.2%
Southeast	45	1.4%
Near West	-58	-2.3%
West	265	9.9%
Southwest	323	14.8%
Out of District	-282	-24.1%
Total	113	0.7%
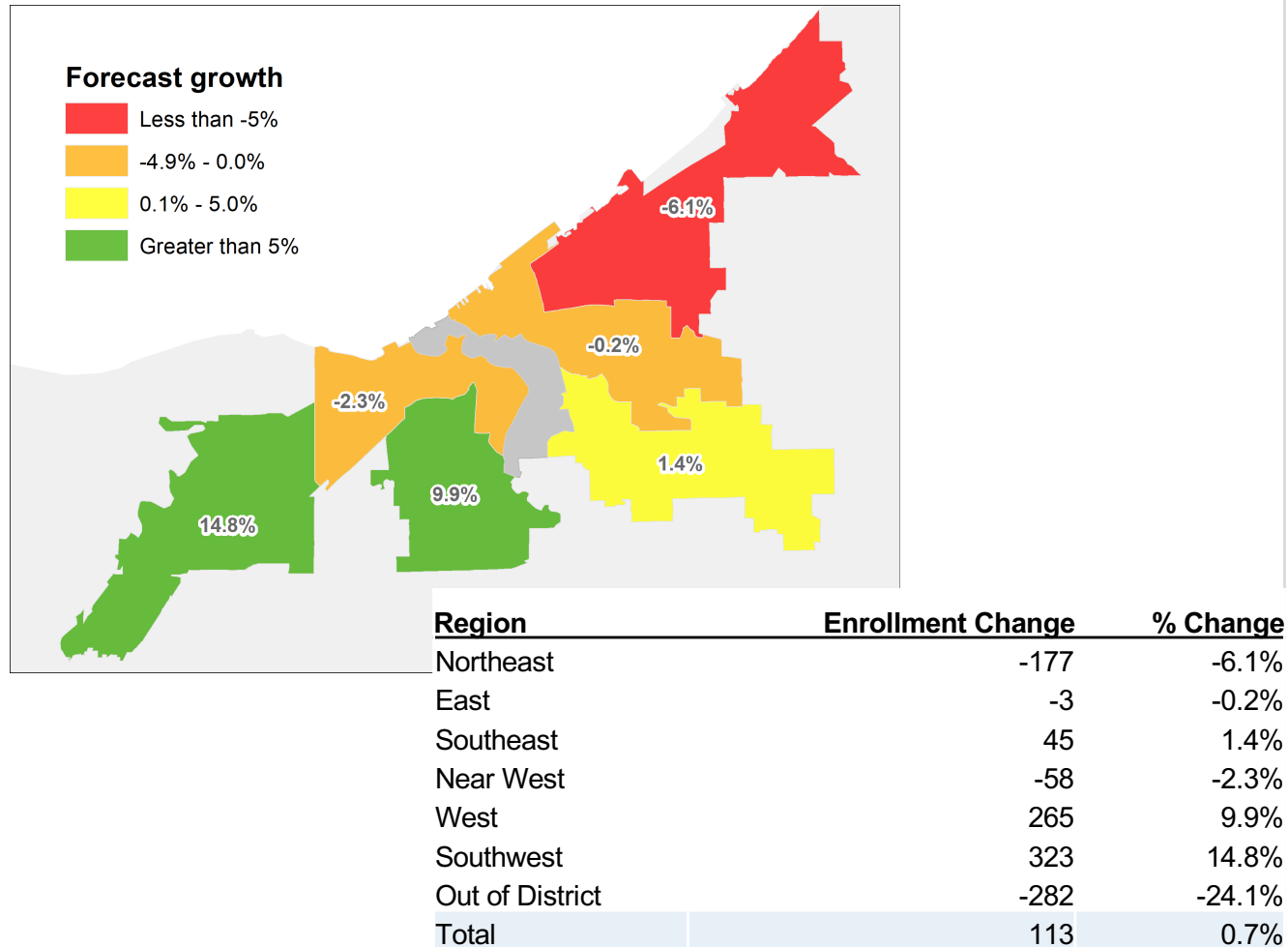
- Enrollment across both District and charter schools is forecast to increase by 0.7%, or 113 students, by 2022-23.

- The forecast shows large variances by region, with growth in West and Southwest, though large declines in the Northeast.

SOURCE: Forecast calculated by Lapkoff & Gobalet Demographic Researchers, November 2018; Based on student residence, not school of attendance

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How are high school students choosing among sectors?

Proportion of High School Students Enrolled in District Versus Charter or Private School Options

Attend CMSD for HS

- Less than 60%
- 61% - 70%
- 71% - 80%
- Greater than 80%

58%

60%

61%

57%

56%

53%
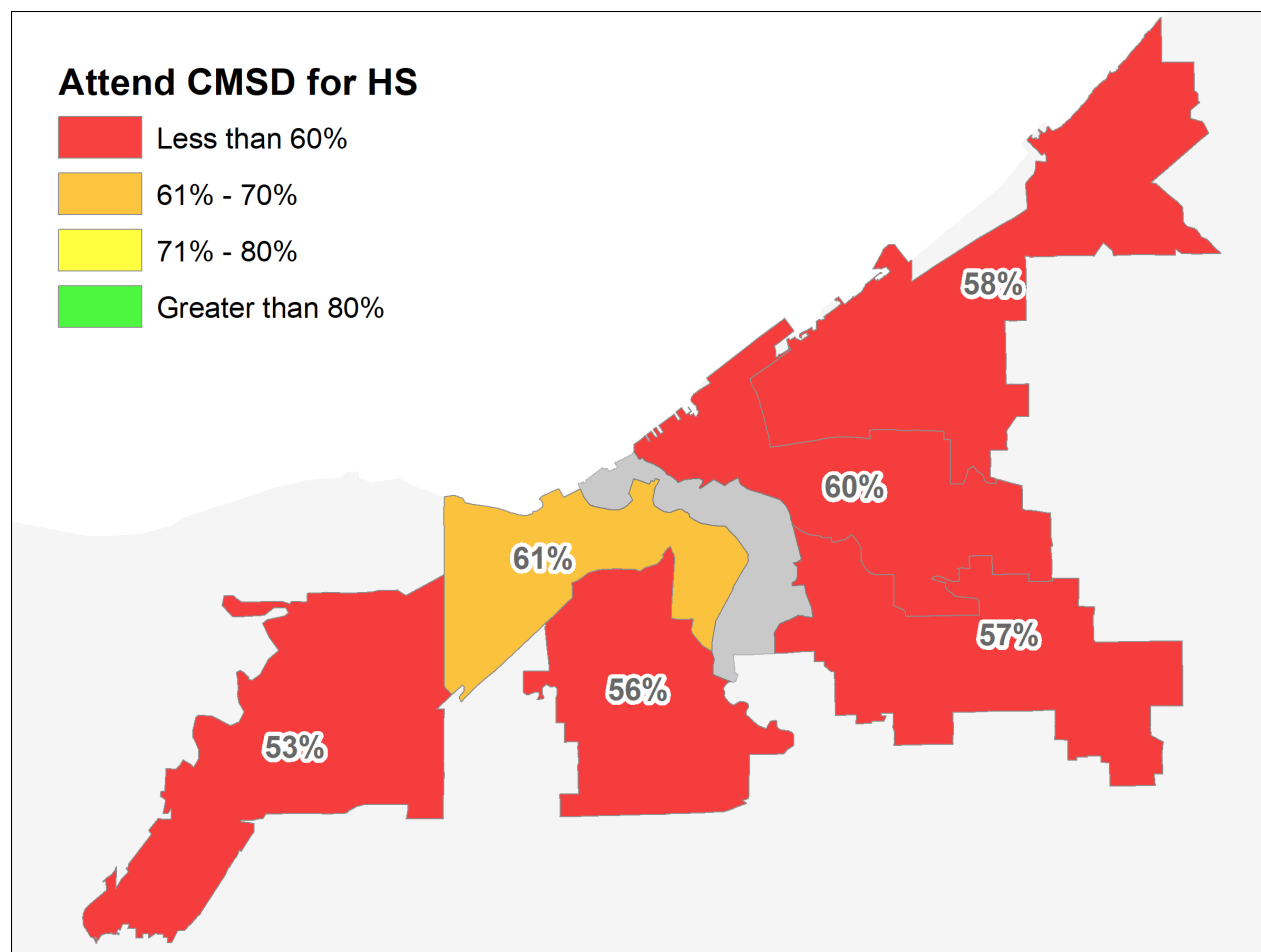
In 2017-18, 7,599 students who live in CMSD attended either a charter or private high school, which represents 43% of students.

SOURCE: Geo-coded student-level data provided by CMSD; Private school enrollment refers to EdChoice & Cleveland Scholarship Program

How does where students live impact where they choose to attend high school?

Students residing on west side:
4,301 (88%) attend on the west side
596 (12%) attend on the east side
Most commonly attended out of region schools:
Digital Arts (106), Science & Medicine (92), MC2STEM (73),
CSA (67), Early College (49)

Students residing on east side:
4,608 (89%) attend on the east side
506 (11%) attend on the west side
Most commonly attended out of region schools:
Rhodes (94), Max Hayes (87), Lincoln-West (37), TJ (35)

NOTE: For reference: 89% of Charter high school students stay east, 68% stay west

SOURCE: 2017-18 geo-coded District and charter high school student-level data

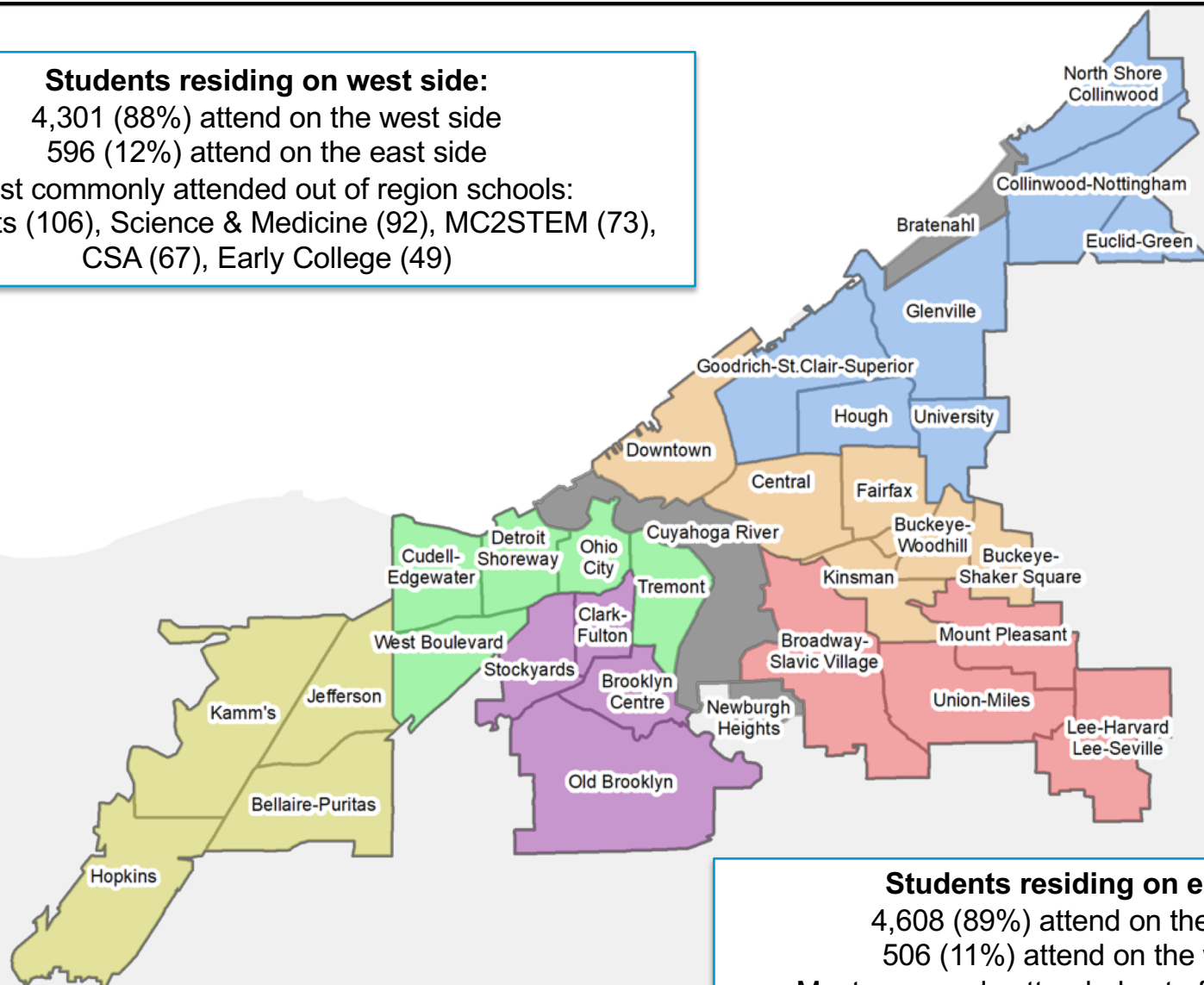# Where do students attending admissions criteria high schools reside?

2017-18 Enrollment in District High School Admissions Criteria High Schools by Region of Residence
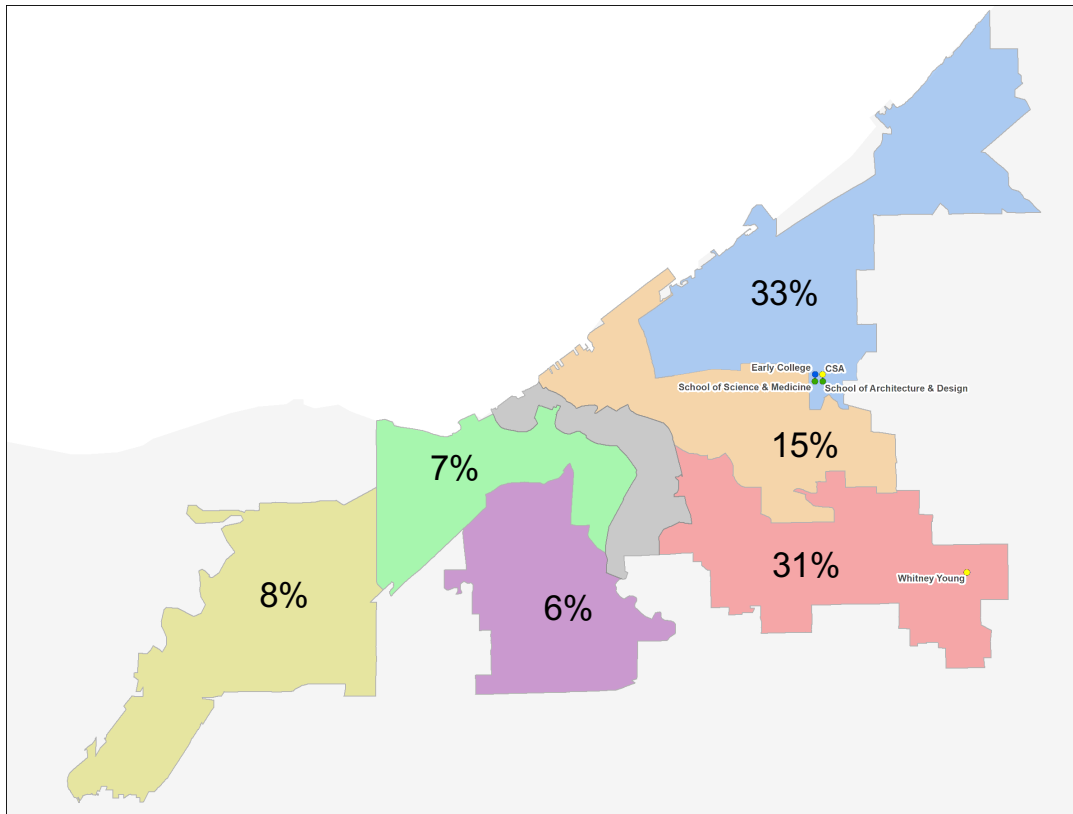
Region of Residence	# / % of Enrollment
Northeast	399 / 33%
East	179 / 15%
Southeast	375 / 31%
Near West	80 / 7%
West	70 / 6%
Southwest	90 / 8%

Map labels: 33%, 15%, 31%, 7%, 6%, 8%

Map school labels: Early College, CSA, School of Science & Medicine, School of Architecture & Design, Whitney Young

- 80% of students enrolled in admissions criteria high schools (shown above) reside on the east side.
- This is a major contributing factor to east side residents having greater access to higher performing schools.

SOURCE: 2017-18 geo-coded District student enrollment; excludes enrollment in Bard East/West

What proportion of District high schools meet minimum enrollment targets for program viability?

District High Schools with 2017-18 Enrollment Above 400 Students

Above 400, 21%

Below 400, 79%
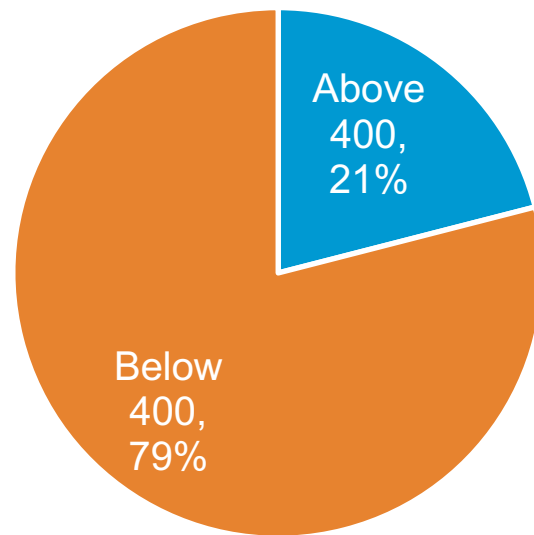
- District high school programs with at least 400 students are more likely to have the resources to sustain the baseline desired learning and teaching experience. This minimum enrollment target is the equivalent of 100 students per grade in 9th through 12th grades.

- Ideally, District high school programs would enroll closer to 500 students, or about 125 students for each grade level, allowing for funding necessary for a more vibrant and viable school program.

- 21% of District high school programs are above the minimum viable enrollment target of 400 while 5% are above the desired enrollment level of 500 students.

What regions have the highest concentrations of high schools above minimum viable enrollment?

District High Schools with 2017-18 Enrollment Above 400 Students
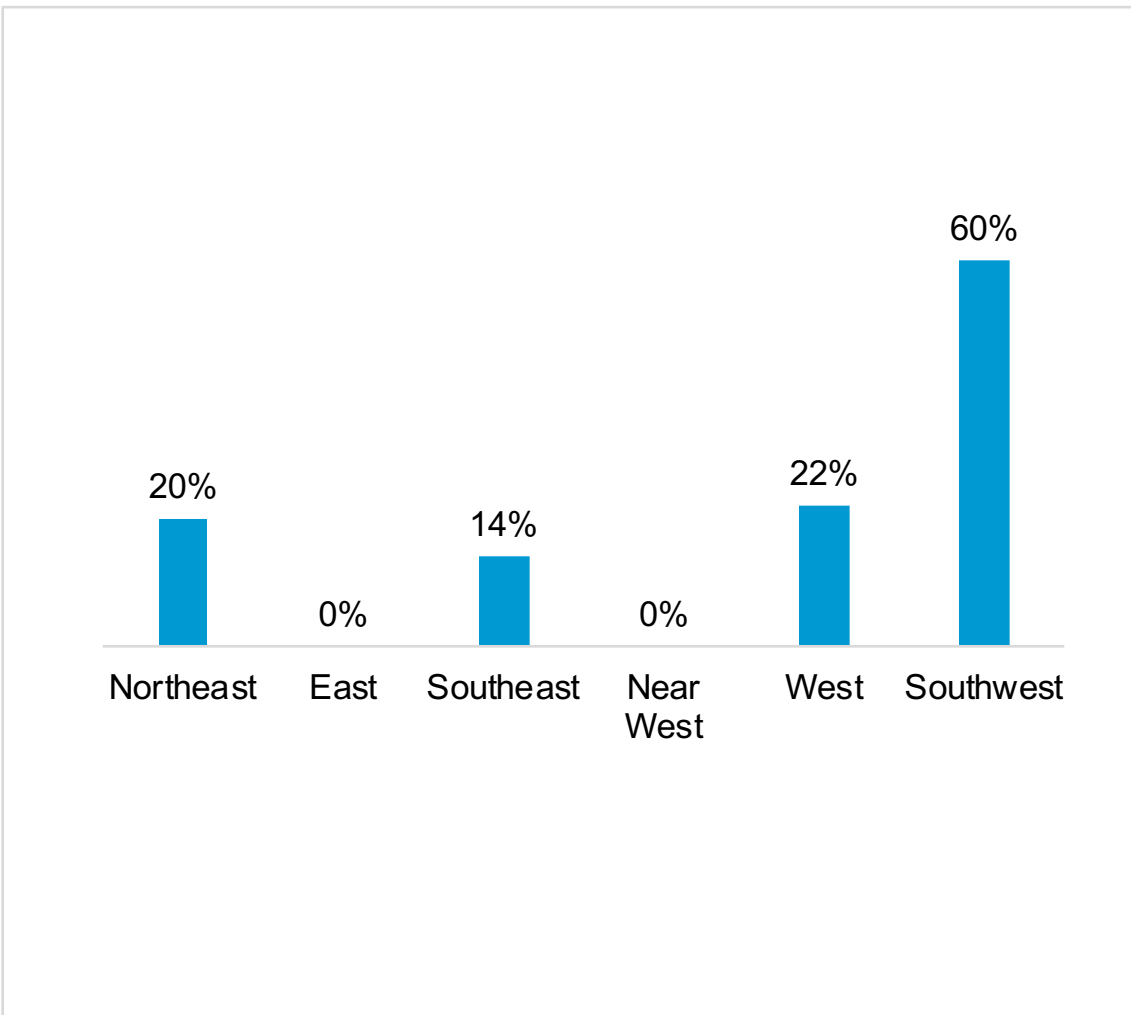
- The Southwest region has by far the highest proportion of high school programs that meet the minimum program viability target of 400 students.

- Half of the high school programs below the minimum viable enrollment target are located in regions that are forecast to have declining enrollment, suggesting those schools will continue to struggle to achieve viable enrollment levels.

SOURCE: 2017-18 ODE headcount enrollment data

What percentage of District high school seats are utilized?

2017-18 High School Building Utilization and Corresponding Empty Seats

Capacity utilization

- Less than 70%
- 71% - 79%
- Greater than 80%

Utilization: 43%
Empty seats: 4313

Utilization: 60%
Empty seats: 1000

Utilization: 46%
Empty seats: 258

Utilization: 48%
Empty seats: 1639

Utilization: 75%
Empty seats: 647

Utilization: 91%
Empty seats: 313
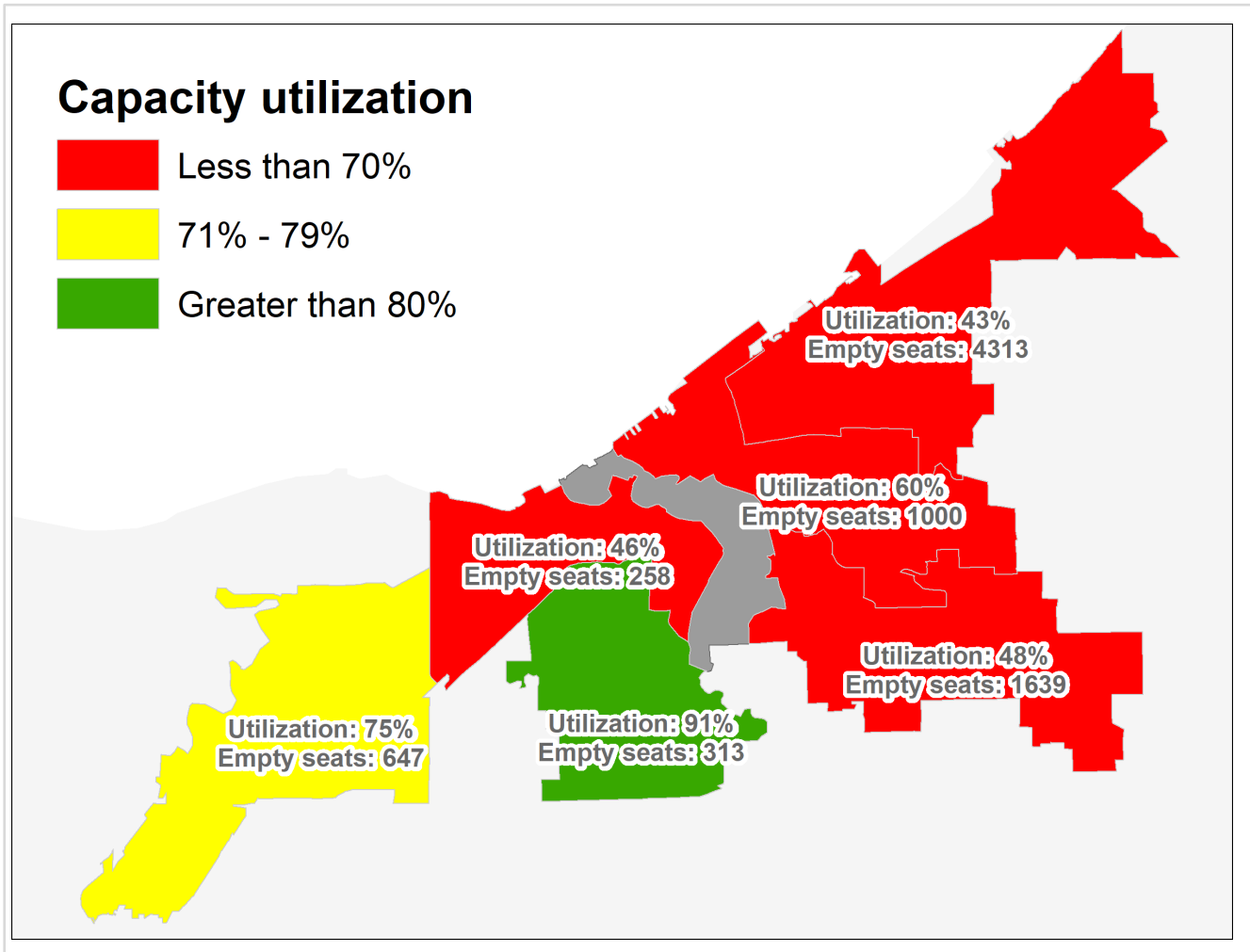
- District high school enrollment is more than 8,000 students below adjusted building capacity. This means that roughly 40% of building space currently in operation today is unused.

- The Near West, Northeast and East have the lowest utilization rates, while the West and Southwest have the highest.

METHOD: 2017-18 enrollment divided by 2017-18 facility capacity, adjusted for special education classrooms

SOURCE: 2017-18 ODE headcount enrollment data; 2017-18 capacity figures provided by CMSD Operations, adjusted for 2018-19 special education classrooms

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What percentage of District high school enrollment is located in buildings constructed or renovated since 2002?

2017-18 District High School Enrollment by Building Age

New / renovated enrollment

- Less than 61%
- 61% - 80%
- Greater than 80%
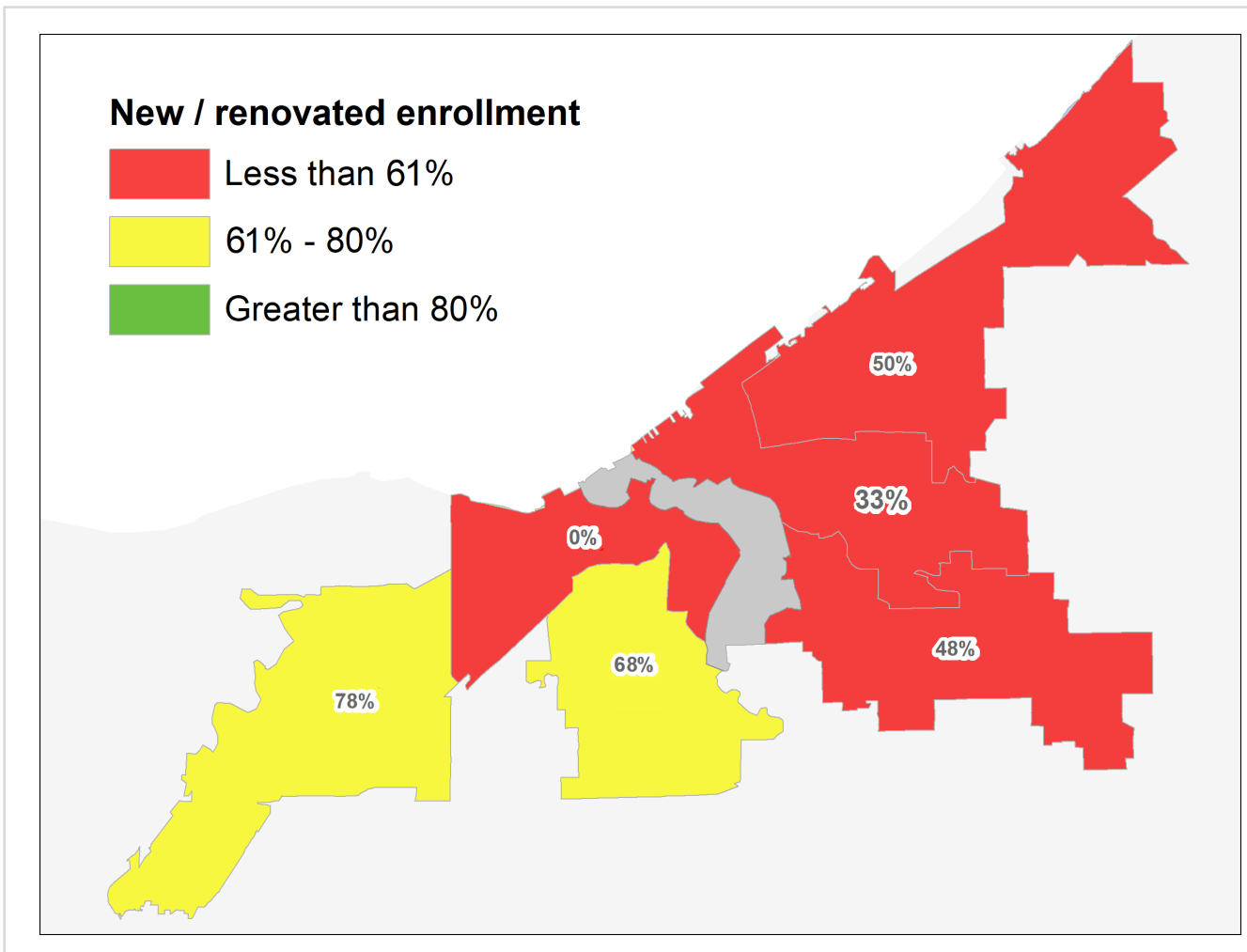
- Approximately 57% of students enrolled in District high schools are served in buildings that have been newly constructed or renovated since 2002.

- There are large regional gaps in the percentage of District high school enrollment in new or renovated buildings versus those constructed prior to 2002. The Near West gap will close with the opening of the West Side High School in 2020.

METHOD: 2017-18 District HS enrollment in new or renovated facilities divided by total regional District high school enrollment

SOURCE: CMSD Operations Department for new/renovated facilities, 2017-18 ODE headcount enrollment data

What opportunities exist to maximize the capacity at higher quality high schools?

2017-18 High School Enrollment and Adjusted Capacity of District Schools by 2018 ODE Report Card Score

HS Capacity — **HS Enrollment**

87 open
106 open
2,353 open
4,853 open
2,023 open

% of District High School Seats Filled by Report Card Score

A	B	C	D	F
78%	88%	41%	44%	67%
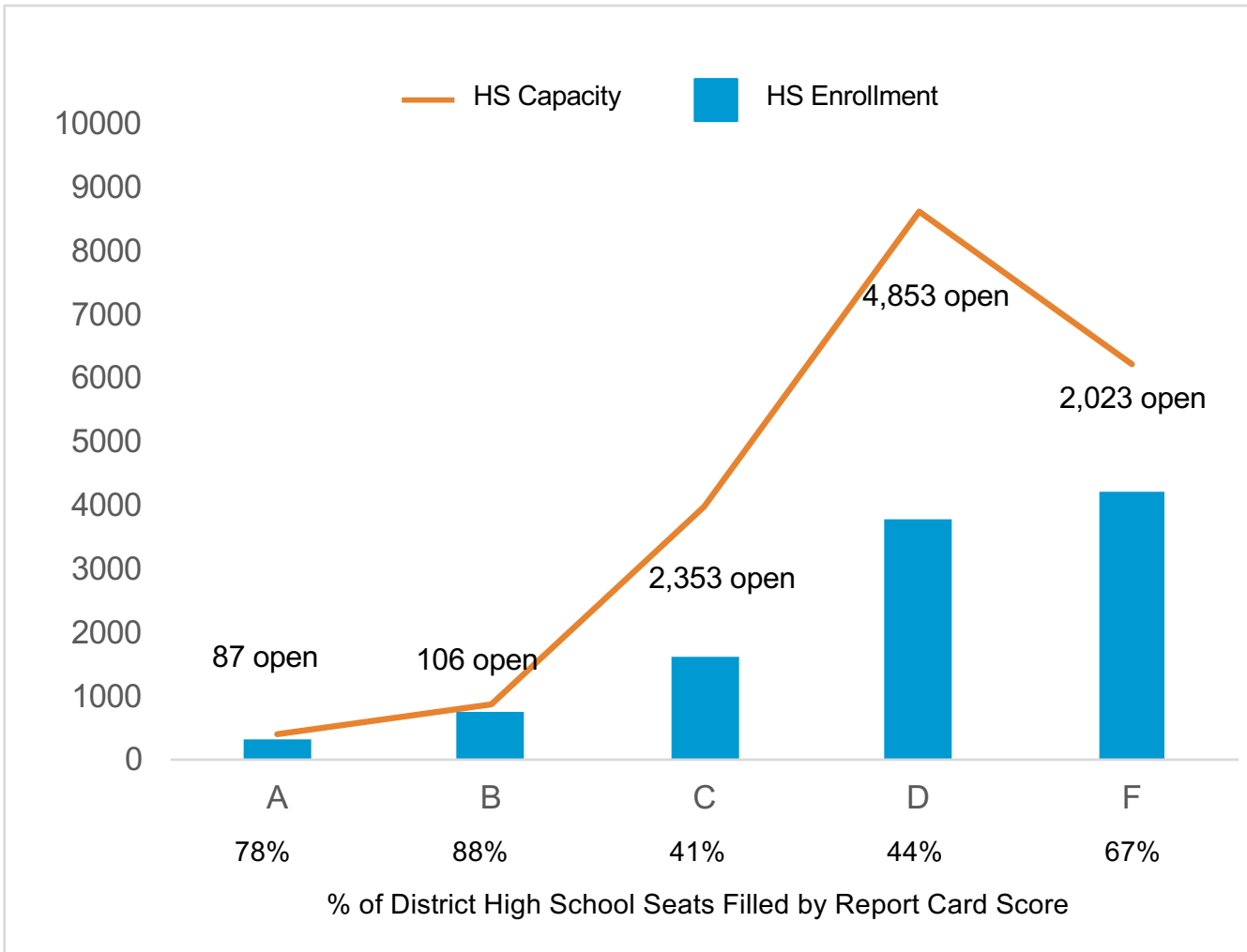
- F-rated schools are filled to a higher level than C or D-rated schools.

- Nearly all C-rated schools have space to accommodate more students.

- There are roughly 2,500 open seats in A, B, and C-rated schools, though many of these seats are in schools with admissions criteria.

Appendix

Additional supporting analyses and reference maps

District prek-8 enrollment change: 2013-14 to 2017-18

2013-14 to 2017-18 K-8 Enrollment by Region of Residence Attending Any District School

K-8 growth
- Less than -5%
- -4% to -1%
- 0%
- 1% to 5%
- Greater than 5%

Map labels: -10%, 10%, -2%, -7%, 6%, 2%

Region	Enrollment Change	% Change
Northeast	-504	-10%
East	294	10%
Southeast	-319	-7%
Near West	-172	-4%
West	238	6%
Southwest	76	2%
Citywide	63	0%
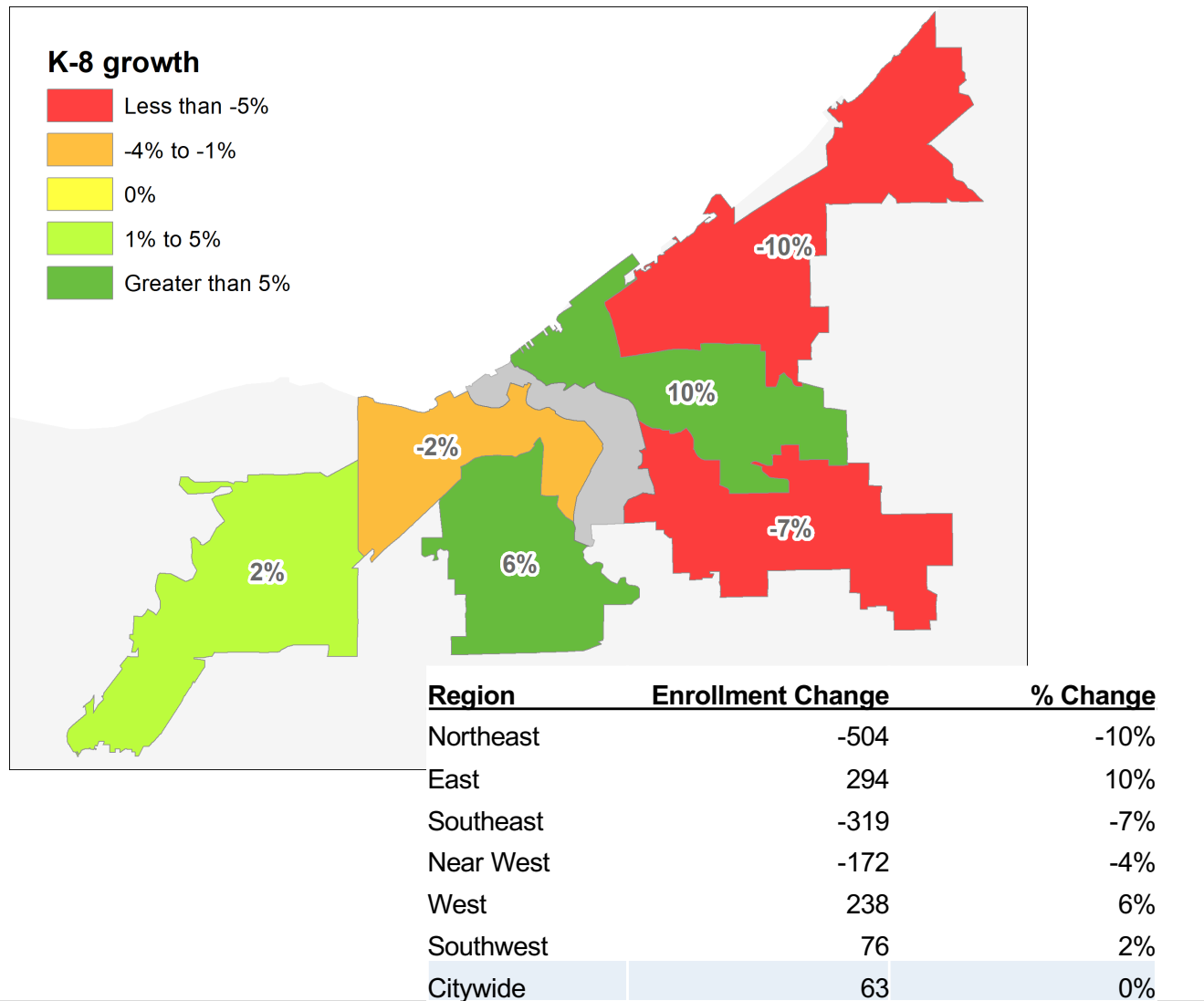
While enrollment in District schools is relatively flat since 2013, there are variances between regions on each side of the city.

SOURCE: Geo-coded 2013-14 to 2017-18 District enrollment

Live births to CMSD residents at time of birth

The number of live births declined 22% from 2007 to 2017, however the number has largely leveled off since 2012, down only 3%.

SOURCE: Ohio Department of Health Vital Statistics

Live births by region

Change in Number of Births: 2012 vs. 2017
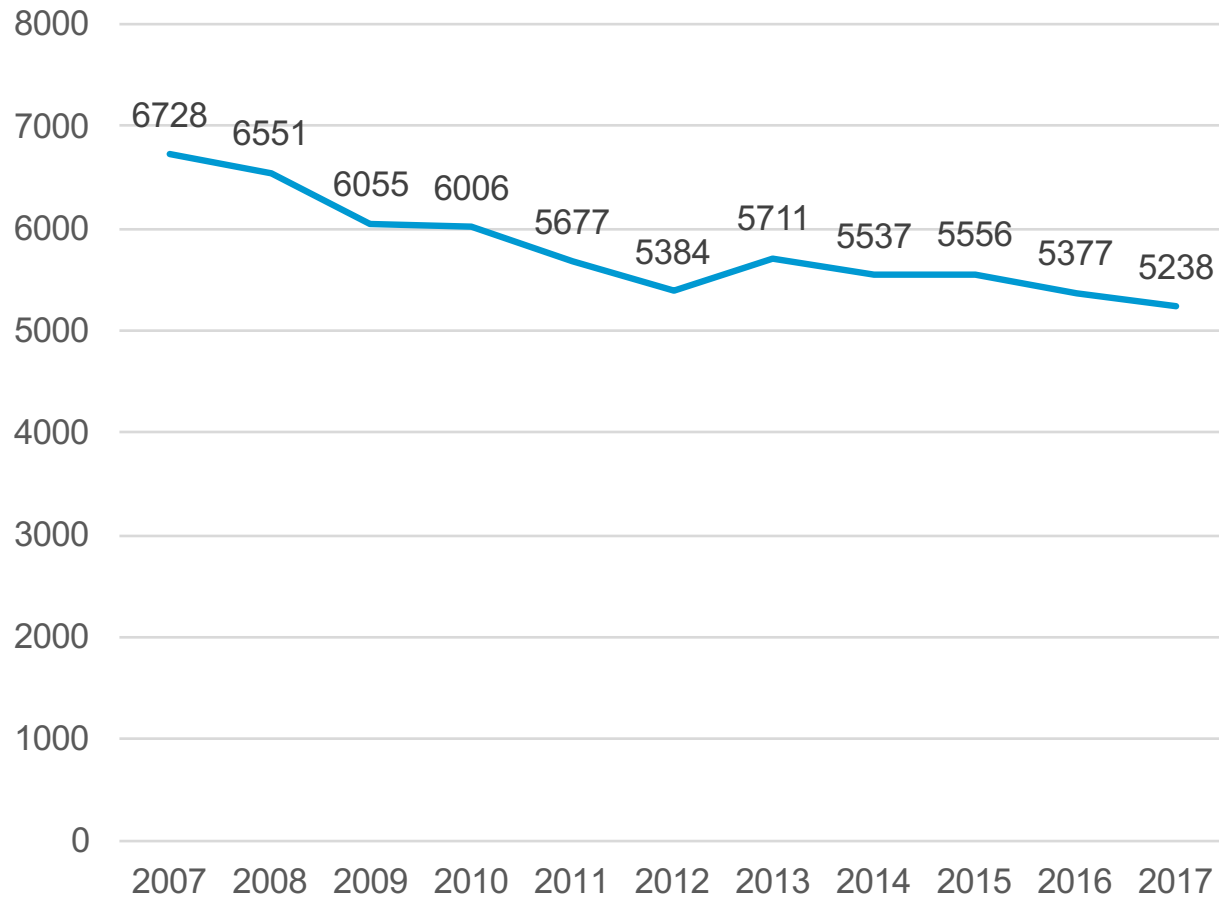
Change in births

- Less than -6%
- -5% - 0%
- 1% - 5%
- Greater than 5%

(Map labels: -7%, -5%, -5%, -10%, 3%, 16%)

Region	2007 vs 2017		2012 vs 2017	
	Change	**%**	**Change**	**%**
Northeast	-515	-34%	-82	-7%
East	-251	-23%	-44	-5%
Southeast	-356	-29%	-42	-5%
West	-184	-18%	23	3%
Near West	-165	-16%	-96	-10%
Southwest	-16	-2%	104	16%
Total	**-1,487**	**-22%**	**-137**	**-3%**
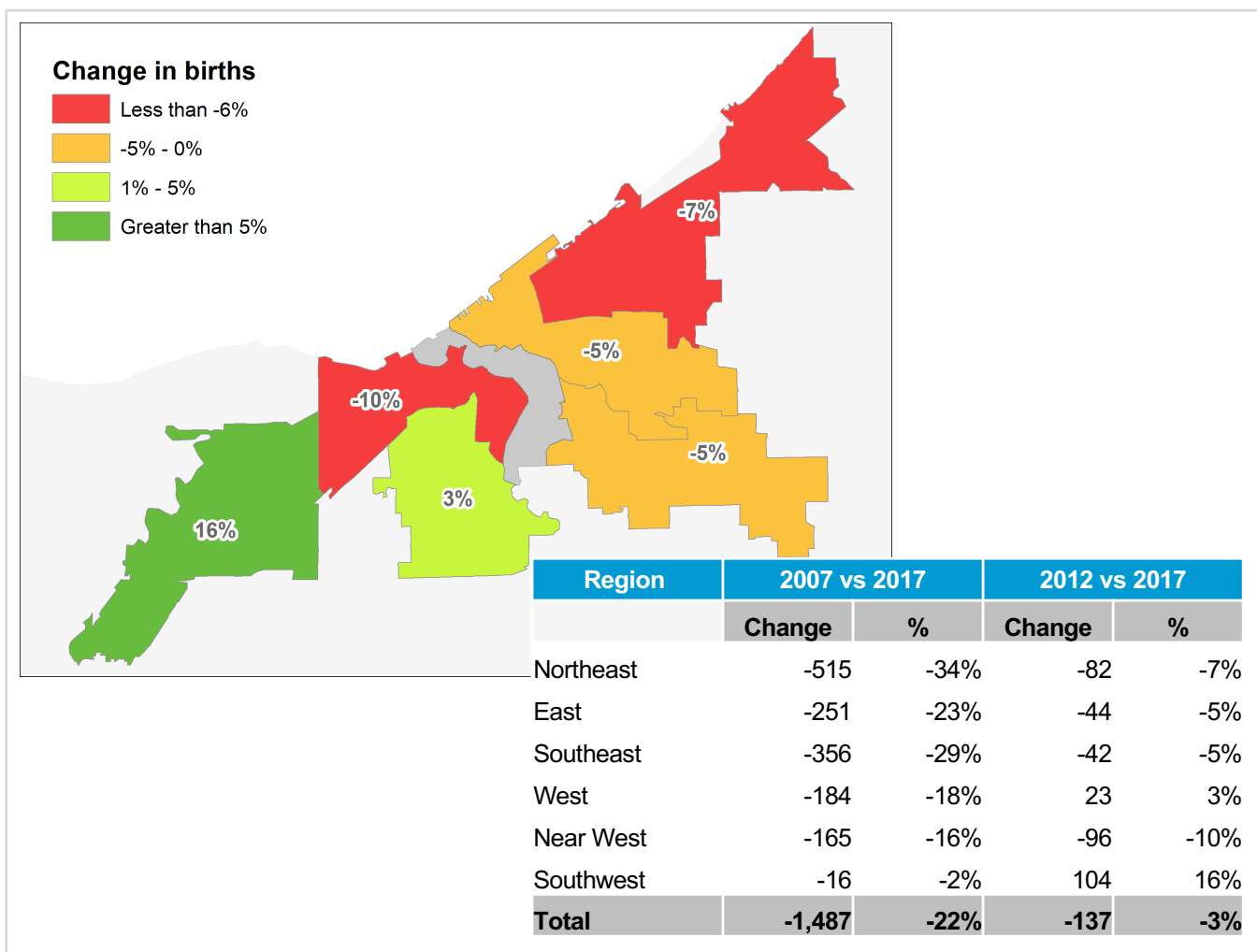
- Changes in birth rates vary significantly by region particularly on the west side.

- The 2007-2012 declines have already impacted K/1 enrollment in many areas and are likely to continue to do so as the 2012-2017 births become school-age.

Linking live births to kinder cohorts 5 years later

- In addition to tracking the number of live births in CMSD's geographic area, it is also important to track the size of the kindergarten cohort that yields 5 years later.

- For instance, most 2007 births would be in kindergarten in 2012. The data shows that the 2012 kinder cohort size is 46% of total 2007 births, while that % has increased to 54% for 2012 births attending kindergarten in 2017.

Private schools operating in the CMSD area

The 2018 Ohio Report Card shows 7,518 students attending a private school through the EdChoice or Cleveland Scholarship Program.
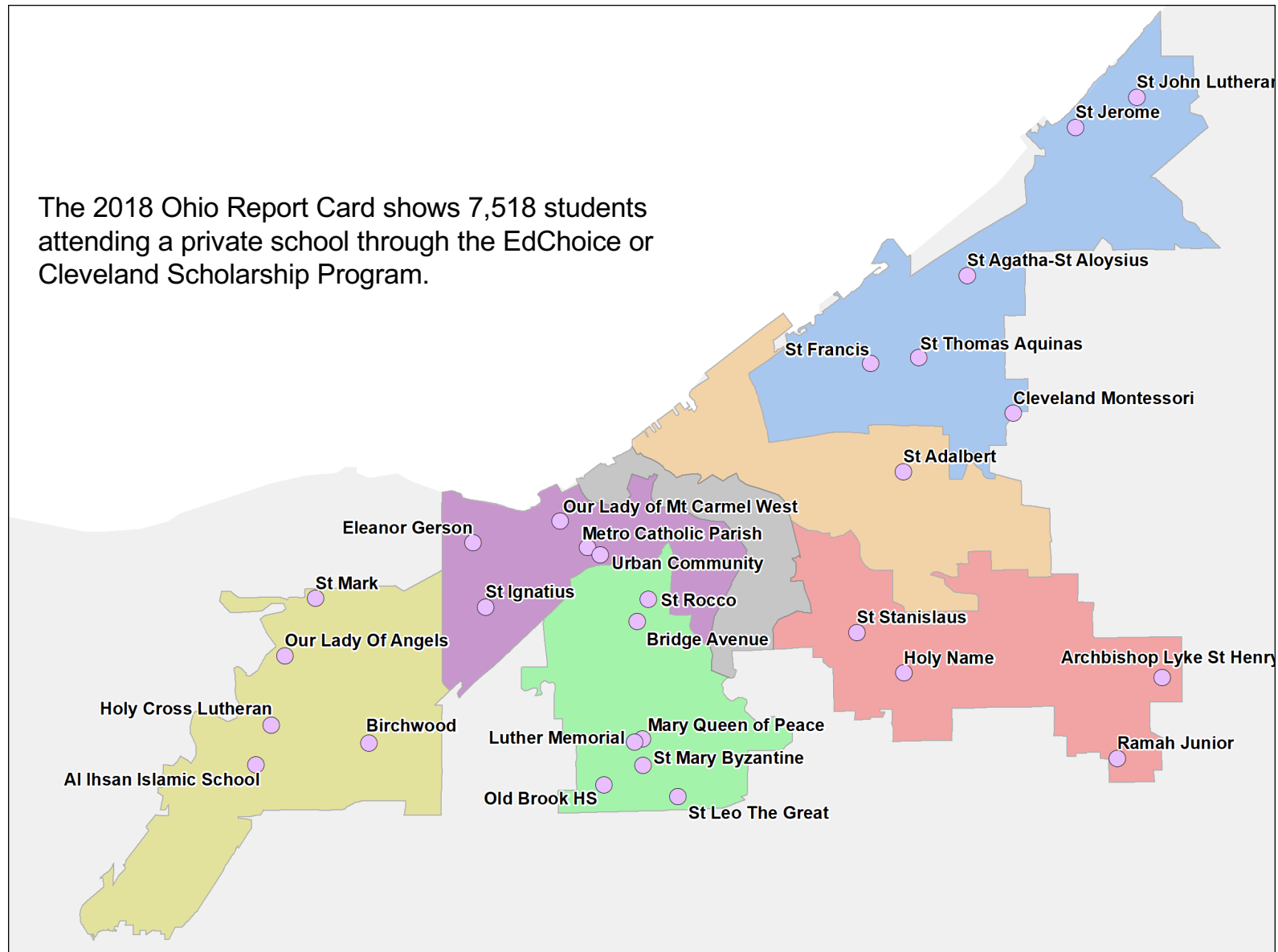
St John Lutheran
St Jerome
St Agatha-St Aloysius
St Francis
St Thomas Aquinas
Cleveland Montessori
St Adalbert
Eleanor Gerson
Our Lady of Mt Carmel West
Metro Catholic Parish
Urban Community
St Mark
St Ignatius
St Rocco
Our Lady Of Angels
St Stanislaus
Bridge Avenue
Holy Name
Archbishop Lyke St Henry
Holy Cross Lutheran
Birchwood
Luther Memorial
Mary Queen of Peace
St Mary Byzantine
Ramah Junior
Al Ihsan Islamic School
Old Brook HS
St Leo The Great

SOURCE: ODE Non-Public School Database

Reference: regions, neighborhoods, and District schools

March 19, 2019 Discussion Draft

Region	Neighborhoods	District K-8 Schools	District High Schools
Northeast	Collinwood-Nottingham, Cuyahoga Valley, Euclid-Green, Glenville, Goodrich-St. Clair-Superior, Hough, University	**Case**, Daniel Morgan, East Clark, Euclid Park, FDR, Hannah Gibbons, **Iowa-Maple**, Kenneth Clement BLA, Mary B Martin, Mary M Bethune, Memorial, **Michael R White**, OH Perry, Patrick Henry, Wade Park, Willson	Campus Intl HS, CSA, Design Lab, Early College, Ginn, Glenville, MLK Jr., New Tech Collinwood, School of Architecture & Design, School of Science & Medicine
East	Buckeye-Shaker Square, Buckeye-Woodhill, Central, Downtown, Fairfax, Kinsman	**Bolton**, Benesch, Campus Intl K-8, Carver, Dike, Grdina, Harvey Rice, Sunbeam, **Marion-Sterling**	Davis, Digital Arts, East Tech HS, MC2STEM, New Tech East, Jane Addams
Southeast	Broadway-Slavic Village Lee-Harvard & Lee-Seville, Mount Pleasant, Union Miles	AJ Rickoff, Charles Dickens, Charles Eliot, Fullerton, Jamison, Miles, Miles Park, Mound, Nathan Hale, Stevenson, Warner GLA, Whitney Young K-8, Willow	Bard East, JFK E3agle, JFK PACT, John Adams, John Adams College and Career, Washington Park, Whitney Young HS
West	Brooklyn Centre, Clark-Fulton, Old Brooklyn, Stockyards	Ben Franklin, **Clark**, **Denison**, Mooney, TJ Newcomers (K-12), Walton, William Cullen Bryant, William Rainey Harper	Facing History, Lincoln-West, **Lincoln-West Global Studies, Lincoln-West Science & Health,** Max Hayes, Rhodes, Rhodes Env, Rhodes College & Career, TJ Newcomers (K-12)
Near West	Cudell-Edgewater, Detroit Shoreway, Ohio City, Tremont, West Boulevard	Almira, Booker, Buhrer, Dunbar, **Gallagher**, Louis Agassiz, Louisa May Alcott, Marin, **Marion Seltzer**, Orchard, Scranton, **Tremont**, Waverly, Wilbur Wright	Garrett Morgan, New West Side HS
Southwest	Bellaire-Puritas, Jefferson, Kamm's	Artemus Ward, Clara Westropp, Garfield, **MacArthur GLA**, Newton D Baker, RG Jones, Riverside, **Valley View BLA**	Bard West, John Marshall Engineering, John Marshall Business, John Marshall IT, New Tech West

Note: Schools identified as part of 2014 MFP Segment 8 and 9 in bold

SOURCE: CMSD Operations Department; Omits School of One

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Reference: regions, neighborhoods, and K-8 schools

Region	Neighborhoods	District K-8 Schools	Charter K-8	Private K-8
Northeast	Collinwood-Nottingham, Cuyahoga Valley, Euclid-Green, Glenville, Goodrich-St. Clair-Superior, Hough, University	**Case**, Daniel Morgan, East Clark, Euclid Park, FDR, Hannah Gibbons, **Iowa-Maple**, Kenneth Clement BLA, Mary B Martin, Mary M Bethune, Memorial, **Michael R White**, OH Perry, Patrick Henry, Wade Park, Willson	Apex, Citizens Academy, CA – East, Citizens Leadership, CLA East, Constellation: Collinwood, E Prep, Cliffs, East Academy, East Prep Academy, Horizon Science MS, Imagine Bella, Lake Erie College Prep, Lakeshore Intergenerational, Stonebrook Montessori, Univ of Cleveland Prep, Village Prep, Cliffs	Cleveland Montessori, St. Agatha-St. Aloysius, St. Francis, St. Jerome, St. John Lutheran, St. Thomas Aquinas
East	Buckeye-Shaker Square, Buckeye-Woodhill, Central, Downtown, Fairfax, Kinsman	**Bolton**, Benesch, Campus Intl K-8, Carver, Dike, Grdina, Harvey Rice, Sunbeam, **Marion-Sterling**	Arts & Social Sciences, HBCU Prep, Intergenerational, Stepstone Academy, Wings Academy 2	St. Adalbert
Southeast	Broadway-Slavic Village Lee-Harvard & Lee-Seville, Mount Pleasant, Union Miles	AJ Rickoff, Charles Dickens, Charles Eliot, Fullerton, Jamison, Miles, Miles Park, Mound, Nathan Hale, Stevenson, Warner GLA, Whitney Young K-8, Willow	Broadway Academy, Chapelside, Citizens Academy SE, Cleveland College Prep, Constellation: Eastside, E Prep Woodland Hills, Harvard Ave, Hope Academy Northcoast, Village Prep, Woodland Hills, Wash Park Comm School	Archbishop Lyke-St Henry, Holy Name, Ramah Junior Academy, St Stanislaus
West	Brooklyn Centre, Clark-Fulton, Old Brooklyn, Stockyards	Ben Franklin, **Clark**, **Denison**, Mooney, TJ Newcomers (K-12), Walton, William Cullen Bryant, William Rainey Harper	Constellation Stockyard, Constellation Old Brooklyn, Horizon: Denison, Lincoln Park, Lincoln Prep	Luther Memorial, Mary Queen of Peace School, St Leo The Great St Mary Byzantine, St Rocco, The Bridge Avenue School
Near West	Cudell-Edgewater, Detroit Shoreway, Ohio City, Tremont, West Boulevard	Almira, Booker, Buhrer, Dunbar, **Gallagher**, Louis Agassiz, Louisa May Alcott, Marin, **Marion Seltzer**, Orchard, Scranton, **Tremont**, Waverly, Wilbur Wright	Constellation Madison, Constellation: West Side Comm Arts, E Prep Willard, Hope Academy NW, Horizon: Denison, Near West Intergenerational	Metro Catholic Parish, Our Lady Of Mt Carmel West, St Ignatius, Urban Community, Eleanor Gerson
Southwest	Bellaire-Puritas, Jefferson, Kamm's	Artemus Ward, Clara Westropp, Garfield, **MacArthur GLA**, Newton D Baker, RG Jones, Riverside, **Valley View BLA**	Constellation: Puritas, Constellation: Westpark, GALA, Menlo Park, Orchard Park, West Park Academy, West Prep	Al Ihsan Islamic School, Birchwood, Holy Cross Lutheran School, Our Lady Of Angels, St Mark

Note: Schools identified as part of 2014 MFP Segment 8 and 9 in bold

SOURCE: CMSD Operations Department; Omits School of One and virtual charter schools

Reference: regions, neighborhoods, and high schools

Region	Neighborhoods	District High Schools	Charter High Schools	Private High Schools
Northeast	Collinwood-Nottingham, Cuyahoga Valley, Euclid-Green, Glenville, Goodrich-St. Clair-Superior, Hough, University	Campus Intl HS, CSA, Design Lab, Early College, Ginn, Glenville, MLK Jr., New Tech Collinwood, School of Architecture & Design, School of Science & Medicine	Horizon Science, Nexus Academy	
East	Buckeye-Shaker Square, Buckeye-Woodhill, Central, Downtown, Fairfax, Kinsman	Davis, Digital Arts, East Tech HS, MC2STEM, New Tech East, Jane Addams	CASTLE, Promise Academy, Voinovich, Life Skills HS, Invictus, Life Skills HS of Northeast Ohio	
Southeast	Broadway-Slavic Village, Lee-Harvard & Lee-Seville, Mount Pleasant, Union Miles	Bard East, JFK E3agle, JFK PACT, John Adams, John Adams College and Career, Washington Park, Whitney Young HS	Regent	
West	Brooklyn Centre, Clark-Fulton, Old Brooklyn, Stockyards	Facing History, Lincoln-West, **Lincoln-West Global Studies, Lincoln-West Science & Health,** Rhodes, Rhodes Env, Rhodes College & Career, Max Hayes	Old Brook HS, Douglass Reclamation	
Near West	Cudell-Edgewater, Detroit Shoreway, Ohio City, Tremont, West Boulevard	Garrett Morgan, New West Side HS	Lake Erie HS	Eleanor Gerson, St. Ignatius
Southwest	Bellaire-Puritas, Jefferson, Kamm's	Bard West, John Marshall Engineering, John Marshall Business, John Marshall IT, New Tech West		Al Ihsan Islamic School

Note: Schools identified as part of 2014 MFP Segment 8 and 9 in bold

SOURCE: CMSD Operations Department; Omits School of One and virtual charter schools