

MMSD Pathways Year 2 Data Snapshot

This data snapshot provides graphical representations of academic outcomes for Pathways students over the first two years of implementation. The data are broken down by year, school, and, when applicable, grade level. This snapshot includes data for 9th and 10th grade students in 2018-19, as well as 2017-18 data for cohort 1 students (10th grade in 2018-19).

We labeled students as “Pathways” students by using transcripts to identify students who took a course that is coded as a Pathways course. Any student with a transcript that did *not* contain a pathways course were considered “not Pathways” students.

The graphics in these reports show comparisons between Pathways and not Pathways students, but do not control for a number of demographic and other outside variables that could be affecting student outcomes. These comparisons **do not necessarily represent a statistical association** between participation in Pathways and student achievement. Rather, the data and graphics in this snapshot should be treated as a simple comparative overview.

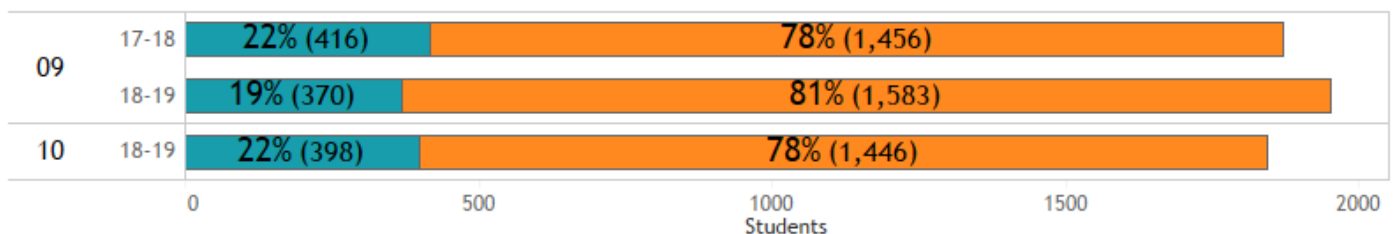
Data Highlights

1. Personalized Pathways continues to serve a diverse set of student demographic groups in both ninth and tenth grade.
2. There are positive results through the first two years across cohorts and schools, particularly for attendance rates and average credits earned, although there are slight dips in a few metrics for the first year of cohort 2 and the second year of cohort 1 (2018-19).
3. Students of color in Pathways outperform not Pathways students of color on nearly all metrics reported in this snapshot.
4. Over 80% of Pathways students received standalone honors, earned honors, or AP (10th grade only) credit in 2018-19.

Student Demographic Makeup

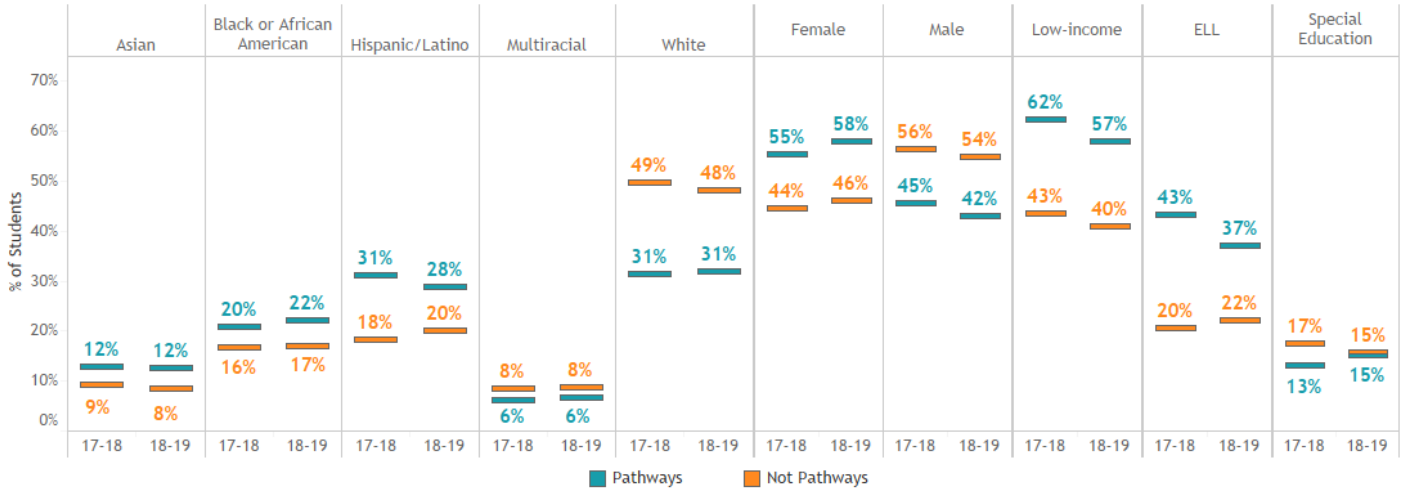
The graphics below show overall numbers and student demographics for Pathways and not Pathways students by year, grade level, and school.

Overall Number of Pathways Students

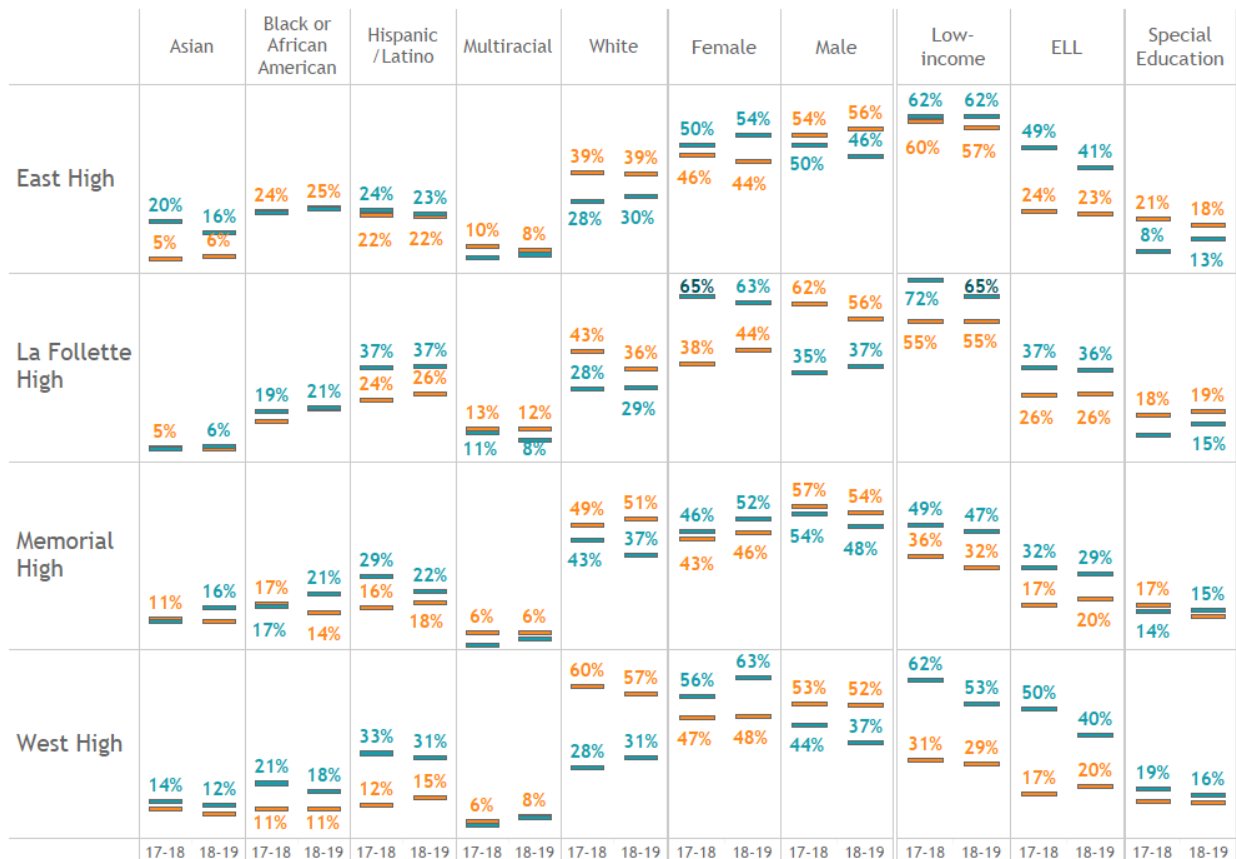




Each bar in the graphic below indicates the percent of Pathways and not Pathways students who identify with the denoted demographic group. For instance, 28% of Pathways students in 2018-19 were Hispanic/Latino, while 20% of not Pathways students were Hispanic/Latino. Pathways continues to represent higher rates of low-income, ELL, and students of color than not Pathways students.



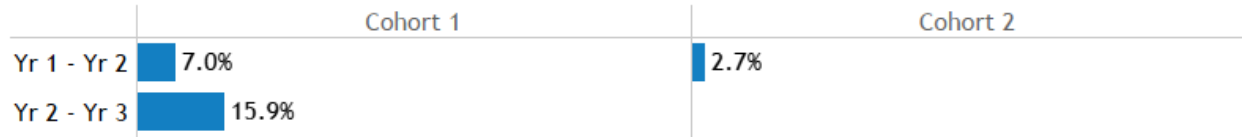
Trends in the demographic breakdown of Pathways and not Pathways students is relatively similar across all schools.





Attrition Rates

The graphic below shows the attrition rates from year to year in Pathways. Cohort 1 is in its third year, while Cohort 2 is in its second year. These rates include students who entered Early College STEM Academy (ECSA).



Attrition rates for the second cohort of students is significantly lower between the first and second year than the rates for the first cohort. There was a jump in the attrition rate for Cohort 1 between the second and third year, largely because of a significant number of students enrolling in ECSA - 46 cohort 1 students left to enter ECSA between the second and third year.

Attendance Rates

The graphics below show the attendance rates by year and grade. These are *not* average attendance rates but, rather, the overall, aggregated attendance rates for all students in the denoted groups.

Attendance Rates - District

		All Students	Students of Color
09	17-18 Pathways	93.0%	92.5%
	17-18 Not Pathways	91.0%	88.0%
	18-19 Pathways	92.1%	91.4%
	18-19 Not Pathways	91.9%	89.7%
10	18-19 Pathways	91.5%	91.0%
	18-19 Not Pathways	89.0%	85.2%

		East High	La Follette High	Memorial High	West High
09	17-18 Pathways	95.0%	93.4%	93.3%	90.2%
	17-18 Not Pathways	88.3%	91.5%	91.0%	92.5%
	18-19 Pathways	91.7%	92.3%	92.6%	91.7%
	18-19 Not Pathways	89.8%	90.0%	92.3%	94.0%
10	18-19 Pathways	91.6%	91.4%	92.1%	90.8%
	18-19 Not Pathways	84.4%	88.8%	89.1%	92.1%

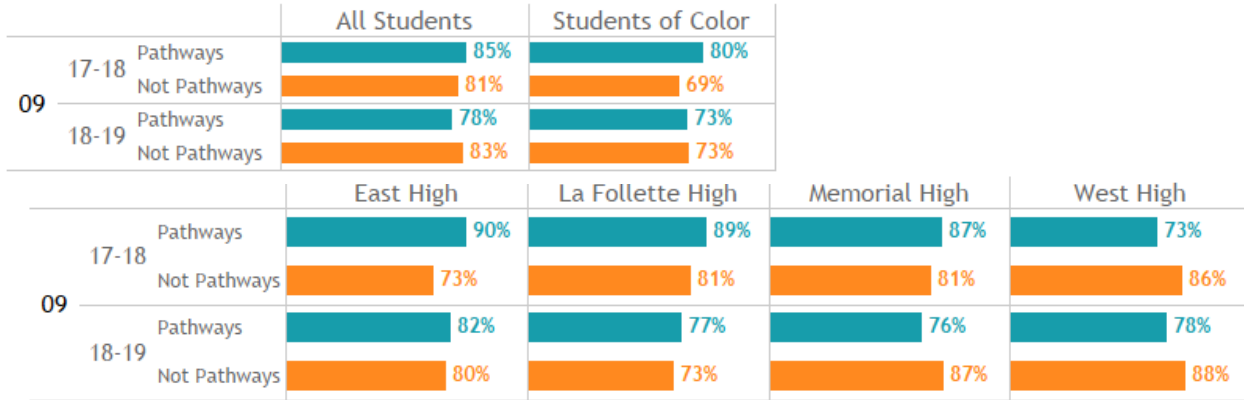
Attendance rates for Pathways students are slightly higher than not Pathways students, but decreased in 2018-19. Across all schools, grade levels, and years, the average attendance rates for Pathways are above 90%. Attendance rates for students of color are closer to the district average among Pathways students than not Pathways students of color and, for several grade levels and high schools, higher than the district rates for not Pathways students.



9th Grade On-Track Rates

The graphics below show the percent of 9th grade students who were on-track (90T) at the end of the year by year and school.

90T Rates - District



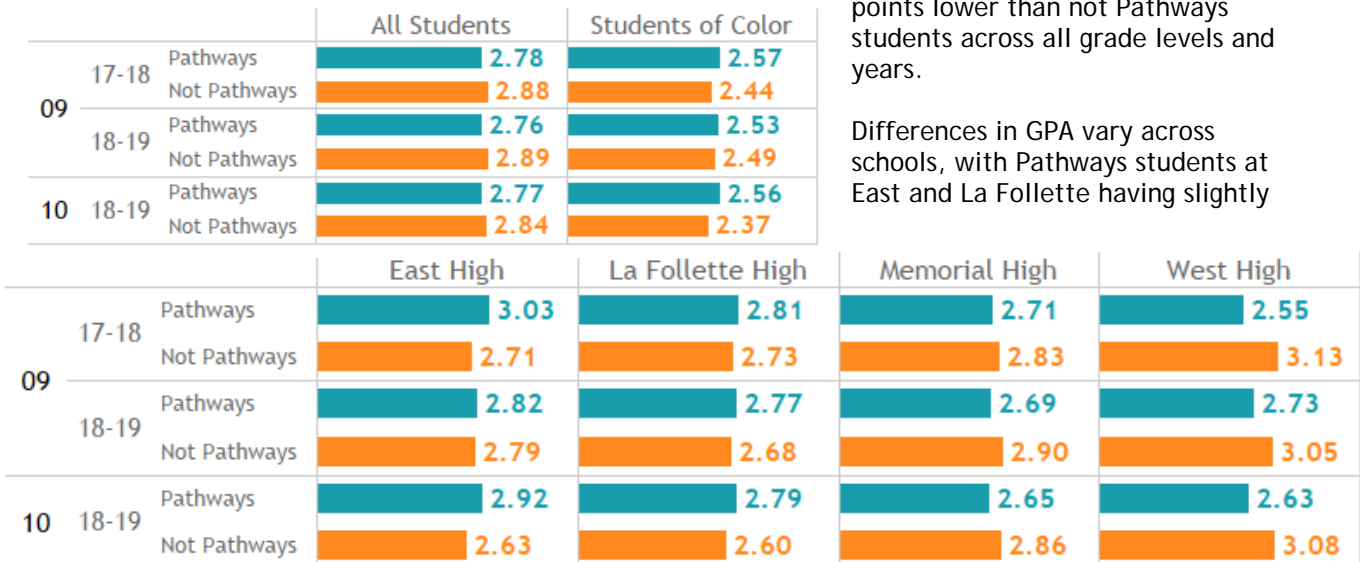
Pathways students had higher rates of 9th grade on-track than not Pathways students at the end of the 2017-18 school year - particularly among students of color - but lower rates in 2018-19. This may be linked to the increase in failure rates (shown in the graphics on the next page).

Pathways students at East and La Follette High - both all students and students of color - have higher rates of 9th grade on-track, compared to not Pathways students. However, 9th grade on-track rates decreased in 2018-19 for all high schools.

Cumulative GPA

The graphics below show the average cumulative GPA for Pathways and not Pathways students grade level, year, and school.

Average Cumulative GPA - District



Overall, cumulative GPAs for Pathways students are about 0.1 points lower than not Pathways students across all grade levels and years.

Differences in GPA vary across schools, with Pathways students at East and La Follette having slightly



higher cumulative GPAs than not Pathways students. Students of Color in Pathways at East and La Follette also have noticeably higher average cumulative GPAs than not Pathways students of color.

Failure Rates

The graphics below show the percent of courses taken by Pathways and not Pathways students that resulted in a course failure. Graphics are broken down by grade level, year, and school.

Failure Rates - District

		All Students	Students of Color
09	17-18 Pathways	8%	10%
	17-18 Not Pathways	9%	14%
18-19	Pathways	10%	13%
	Not Pathways	8%	13%
10	18-19 Pathways	11%	15%
	18-19 Not Pathways	12%	20%

9th grade Pathways students in 2017-18 and 10th grade Pathways students in 2018-19 had slightly lower failure rates than non-Pathways students, but exhibited an increase in rates similar to district rates.

Students of color had higher rates than district averages, but students of color in Pathways had consistently lower failure rates than not Pathways students of color.

		East High	La Follette High	Memorial High	West High
09	17-18 Pathways	4%	4%	6%	15%
	17-18 Not Pathways	11%	9%	10%	6%
18-19	Pathways	9%	10%	9%	11%
	Not Pathways	9%	12%	6%	7%
10	18-19 Pathways	10%	10%	11%	16%
	18-19 Not Pathways	14%	15%	11%	9%

Average Number of Credits Earned

The graphics below show the average number of credits earned by Pathways and not Pathways students by grade level, school, and year.

Average Credits Earned - District

		All Students	Students of Color
09	17-18 Pathways	6.44	6.33
	17-18 Not Pathways	6.08	5.69
18-19	Pathways	6.31	6.16
	Not Pathways	6.13	5.79
10	18-19 Pathways	6.26	6.03
	18-19 Not Pathways	5.93	5.36

Pathways students consistently earn more credits, on average, than non-Pathways students across all years and grade levels. All high schools, except West High, show a similar trend. The difference in average credits earned between Pathways and not Pathways students was more pronounced among students of color.



		East High	La Follette High	Memorial High	West High
09	17-18 Pathways	6.63	7.01	6.19	5.89
	17-18 Not Pathways	5.92	6.51	5.77	6.21
18-19	Pathways	6.29	6.76	6.00	6.07
	Not Pathways	6.12	6.21	5.95	6.23
10	18-19 Pathways	6.23	6.81	5.98	5.85
	18-19 Not Pathways	5.72	6.20	5.61	6.18

2018-19 Advanced Coursework Participation

The graphics below show the percent of Pathways students in 2018-19 earning standalone and earned honors credit in Pathways courses, as well as 10th grade Pathways students earning AP credit. The percent associated with each bar indicates the percent of students earning at least one credit in the denoted course type. The number in the parenthesis shows the average number of the denoted advanced course type taken by students in the racial/ethnic group.

	Received Earned Honors in Pathways Course	Received Honors Credit in Pathways Course	Received any AP Credit (10th Only)
Asian	58% (1.3)	67% (2.5)	44% (1.0)
Black or African American	26% (0.5)	30% (0.8)	11% (0.2)
Hispanic /Latino	41% (0.8)	34% (1.0)	15% (0.3)
Multiracial	44% (0.9)	35% (1.0)	27% (0.5)
White	60% (1.3)	48% (1.5)	33% (0.6)
All Students	46% (1.0)	42% (1.3)	24% (0.5)



Nearly 25% of 10th grade Pathways students earned AP credit, which was similar to the rate of not Pathways students earning AP credit. Over 40% of all Pathways students earned standalone honors or earned honors credit in a Pathways course. Over 80% of Pathways students earned credit in an denoted advanced course.

Across all schools, over 70% of Pathways students earned standalone honors, earned honors, or AP credit. However, there appear to be different advanced coursework opportunities at different schools. For example, Memorial High had the highest rate of Pathways students earning AP credit (33%), but the second lowest percent of students earning standalone honors credit (39%). West High had the lowest rate of students earning standalone honors (19%) and AP credit (11%), but the highest rate of students receiving earned honors (53%).

	Received Earned Honors Credit in Pathways Course	Received Honors Credit in Pathways Course	Received any AP Credit (10th Only)
East High	Asian	49% (1.0)	32% (0.6)
	Black or African American	14% (0.3)	38% (1.0)
	Hispanic /Latino	33% (0.7)	59% (2.2)
	Multiracial	60% (1.1)	47% (1.5)
	White	45% (0.7)	66% (2.3)
	All Students	36% (0.7)	57% (2.0)
La Follette High	Asian	67% (1.3)	83% (2.6)
	Black or African American	31% (0.6)	29% (0.9)
	Hispanic /Latino	51% (1.2)	33% (0.9)
	Multiracial	41% (0.8)	41% (0.8)
	White	63% (1.3)	58% (1.6)
	All Students	50% (1.1)	43% (1.2)
Memorial High	Asian	59% (1.4)	59% (2.1)
	Black or African American	33% (0.6)	31% (0.8)
	Hispanic /Latino	37% (0.6)	27% (0.6)
	Multiracial	33% (1.0)	50% (2.2)
	White	59% (1.4)	40% (1.1)
	All Students	48% (1.0)	39% (1.1)
West High	Asian	71% (1.8)	53% (1.6)
	Black or African American	32% (0.8)	16% (0.4)
	Hispanic /Latino	37% (0.7)	12% (0.3)
	Multiracial	30% (0.9)	0% (0.0)
	White	81% (2.2)	19% (0.7)
	All Students	53% (1.3)	19% (0.6)