

TECHNICAL APPENDIX

DATA DEFINITIONS

- Digital access is defined as having an internet-capable device (desktop, laptop, smartphone, tablet, etc.) and an internet subscription (broadband, satellite, dial-up, cellular data plan, etc.) in the household.
- Low-income students are defined as students who are eligible for free or reduced-price lunch.
- Students of color are defined as students who identify as African-American, Hispanic, Asian, American Indian, Native Hawaiian or Multiracial.
- Geography is defined using NCES locale codes. See [MDE's Educational Entity Master Glossary](#) for more details.

DIGITAL ACCESS ANALYSIS

Income Quintile Demographics:

	Poverty Rate Range	Total Number of Districts	Total Number of Students
Wealthiest Districts	0 – 26%	73	298,025
Wealthy Districts	26 – 42%	114	286,994
Median	42 – 57%	187	290,850
Poor Districts	57 – 73%	206	291,179
Poorest Districts	74 – 100%	247	289,975

Students of Color Quintile Demographics:

	Students of Color Range	Total Number of Districts	Total Number of Students
Districts with Fewest Students of Color	0 – 10%	237	288,967
Districts with Few Students of Color	10 – 17%	143	285,164
Median	17 – 28%	112	290,967
Districts with More Students of Color	28 – 59%	131	294,814
Districts with Most Students of Color	60 – 100%	202	296,912

Data Sources:

- Michigan Department of Education, Student Count 2018-19
- Michigan Department of Education, Educational Entity Master
- U.S. Census Bureau, American Community Survey – 5 Year Estimates – 2018, Table B28005

Data Notes:

While quintiles for income and students of color were constructed using enrollment and demographic data for all public school students (in both LEA and PSA districts) in the state, digital access data was only available using the boundaries of traditional public school (LEA) districts. In this analysis, therefore, access rates are only available for LEA districts. The access rate for a district is the percentage of children under 18 who have digital access and live within the boundaries of that district – including children who live in but do not attend school in that district.