TECHNICAL APPENDIX

DATA DEFINITIONS

- Students from low-income households are defined as students who are eligible for free or reduced-price lunch.
- Districts are considered to be offering in-person learning opportunities when they planned to offer fully in-person instruction, hybrid instruction, or both.

COVID-19 DATA 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

Black Quintile Demographics:

	Black Student Enrollment Range	Total Number of Districts	Total Number of Students
Districts with the lowest percentages of Black Students	0 – 1.1%	288	296,663
Districts with low percentages Black Students	1.1 – 2.9%	161	282,896
Median	2.9 – 9.6%	115	310,115
Districts with higher percentages of Black Students	9.6 – 31.8%	127	309,089
Districts with the highest percentages of Black Students	32.6% – 100%	199	300,789

Data Sources:

- Michigan Department of Education, Student Count 2018-19 and 2019-20
- Michigan Department of Education, Educational Entity Master
- Michigan Department of Education, Extended COVID-19 Learning Plan Dashboard 2020-21

Data Notes:

Districts were asked what percentage of students were expected to receive fully remote instruction for each month. Each indicated one percentage range (24 percent or less, 25-49 percent, 50-74 percent, 75-99 percent, or 100 percent) representative of the district's share of students expected to receive fully remote instruction. Averages were taken across quintiles to estimate the percent of students within each quintile expected to receive fully remote instruction.

Not all districts were represented within each analysis. 15 PSAs, that are authorized as cyber schools under Part 6E of the Revised Schools code, were exempt from reporting requirements and therefore not included in the analyses. In addition, some districts did not indicate that they were providing any of the three modalities (fully in-person, fully remote, or hybrid) while others did not submit any data each month. The following chart represents that number of districts that did not submit modality data or the COVID-19 extended learning plan.

	September	October	November	December	January	February
No Modality Data	7	7	7	12	9	9
No Plan Submitted	0	0	1	0	0	1

Districts are required to submit their plans towards the beginning of the month. Yet a district may change their intended offerings, which could result in districts changing their plans during the month in question. Conversely, districts are able to submit previous plans after the data collection deadline, changing the data from previous months. The data snapshot reported data as of February 2021.