TECHNICAL APPENDIX

DATA DEFINITIONS

- Remedial Coursework includes math, reading, writing, or science courses in which the majority of the course content should have been learned by the end of high school, as identified by the college or university where the student attends.
- College remediation rate is defined as the percentage of Michigan traditional, K-12 public high school graduates enrolled in a Michigan 2-year or 4-year college or university the following fall who were also enrolled in at least one math, science, reading, writing or ESL remedial course.
- Low-income students are defined as students who are eligible for free or reduced-price lunch or who are members of other economically disadvantaged groups[i].
- 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.

COLLEGE REMEDIATION 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 2017-18 and 2018-19
- Michigan Department of Education, Educational Entity Master
- Michigan Department of Education, Remedial Coursework 2007-2018

Data Notes:

While quintiles for income and students of color were assigned using 2018-19 enrollment and demographic data for all public-school students in the state, only public-school districts that met all three of the following conditions were included in the remediation rate analyses:

1. Reported 2017-18 remediation coursework data
2. Had 10 or more high school graduates in spring 2017 that enrolled in a Michigan 2-year or 4-year college or university in the following fall.
3. Had 10 or more high school graduates in spring 2017 that were enrolled in at least one remedial course at a Michigan 2-year or 4-year college or university during the 2017-18 academic year

---

[i] The Center for Educational Performance Information identifies students as Economically Disadvantaged (ED) when any of the following conditions are met: Students who have been determined to be eligible for free or reduced-price meals via locally gathered and approved family applications under the National School Lunch program, are in households receiving food (Supplemental Nutrition Assistance Program) or cash (Temporary Assistance to Needy Families) assistance, are homeless, are migrant, are in foster care, or, beginning in 2017-18, certain MEDICAID eligible children.