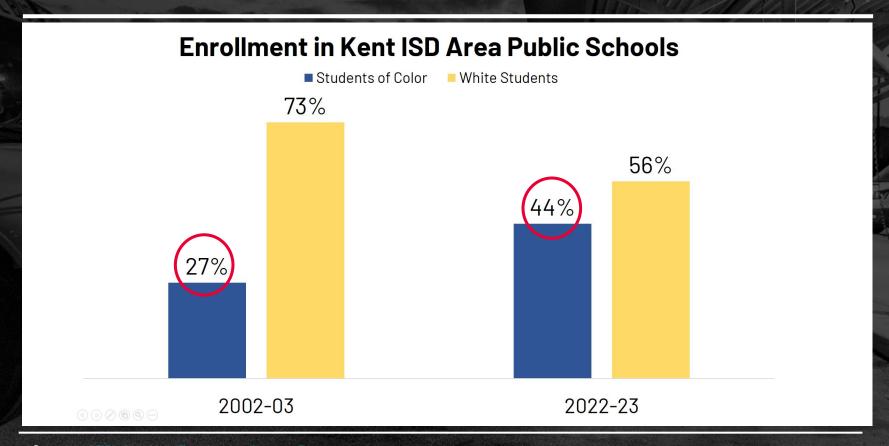
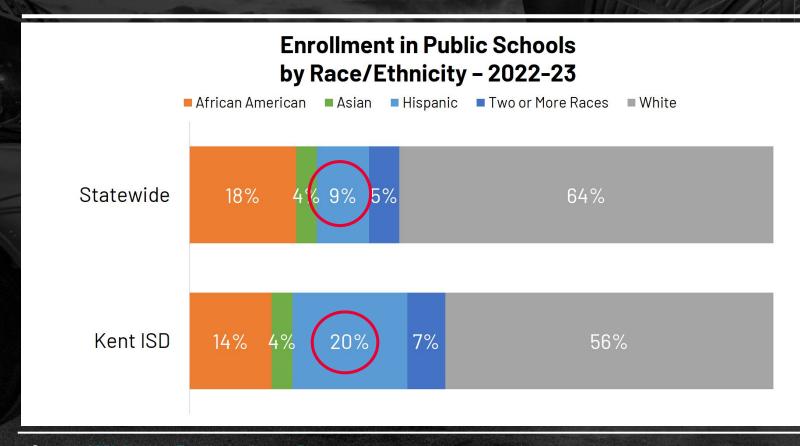


Large increase in diversity within Kent ISD area schools



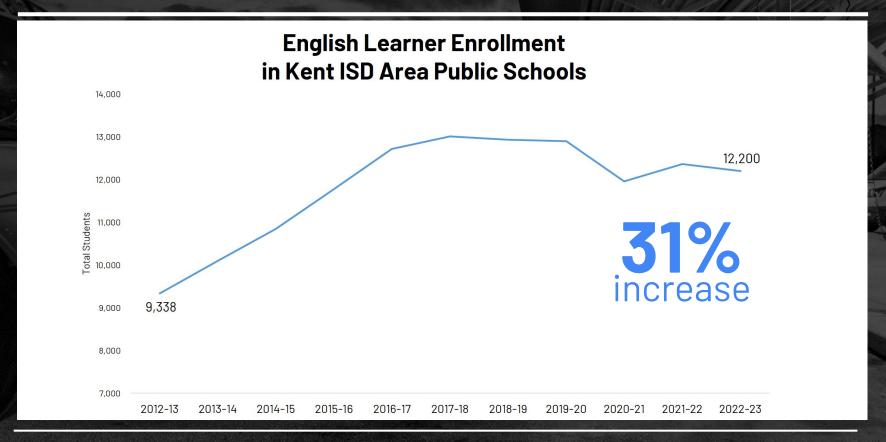
Source: CEPI, Student Enrollment Counts Report

One in five students are Hispanic in Kent ISD districts



Source: CEPI, Student Enrollment Counts Report

31 percent increase in English Learners in 10 year period



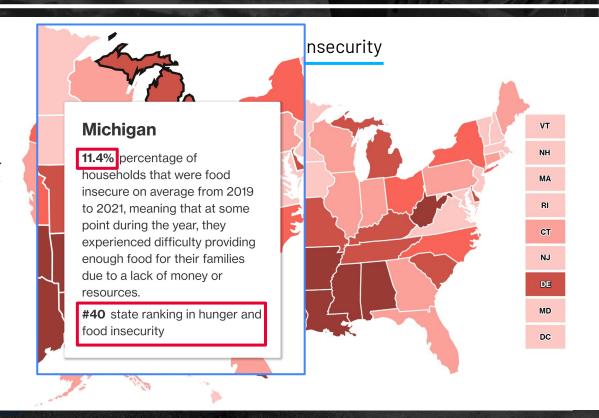
Source: CEPI, Student Enrollment Counts Report

Michigan in top 10 states for household food insecurity

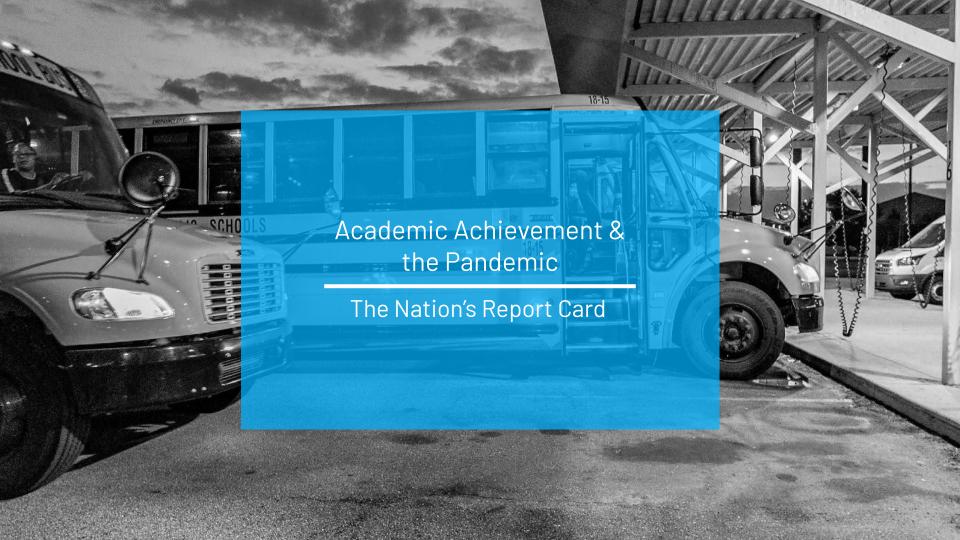
Percentage of households that were food insecure on average from 2019 to 2021, meaning that at some point during the year, they experienced difficulty providing enough food for their families due to a lack of money or resources.

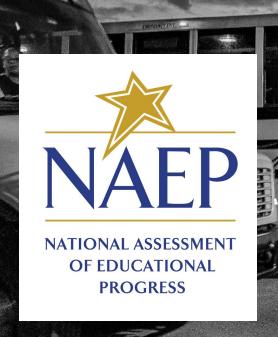
Explore the national data

5.4 - 9.2% 9.2 - 10.2% 10.2 - 11.1% 11.1 - 13.1% 13.1 - 16.8%



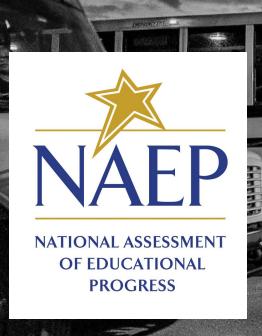
Source: Center for American Progress: Poverty in the United States





The Nation's Report Card

- → The National Assessment of Educational Progress (NAEP) - The Nation's Report Card - is the largest representative and continuing assessment of student progress in the US.
- → Administered by the US Department of Education, NAEP is the only common measure of student achievement nationwide.



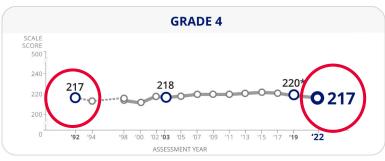
How are students assessed on NAEP?

- → NAEP assesses a small, representative sample of students no more than a few thousand students per state.
- → Building data is **not available** handful of districts nationwide receive results.
- → The sampling technique isn't all too different than **public polling**.
- → Results reported with a margin of error.
 - This is a key element in interpretation of results.

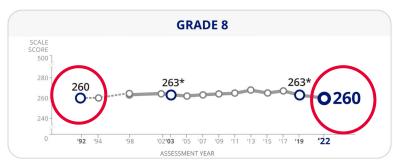
Little progress nationally in NAEP reading scores

2022 | NAEP Reading Assessment | Highlights

Nationwide





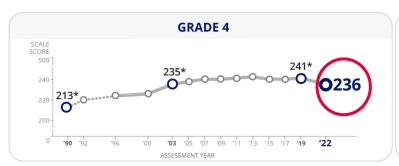


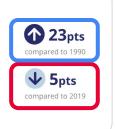


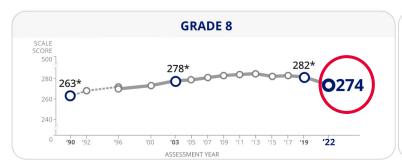
Progress in math scores; larger declines in 2022

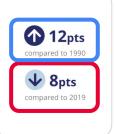
2022 | NAEP Mathematics Assessment | Highlights

Nationwide





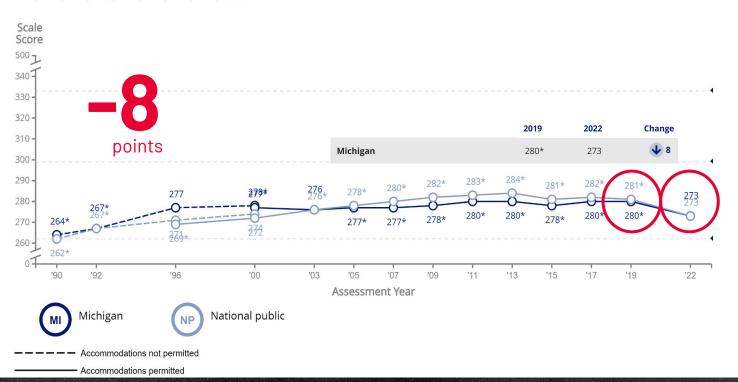




Large drop in 8th grade math scores in MI; similar in US

GRADE 8 | MATHEMATICS

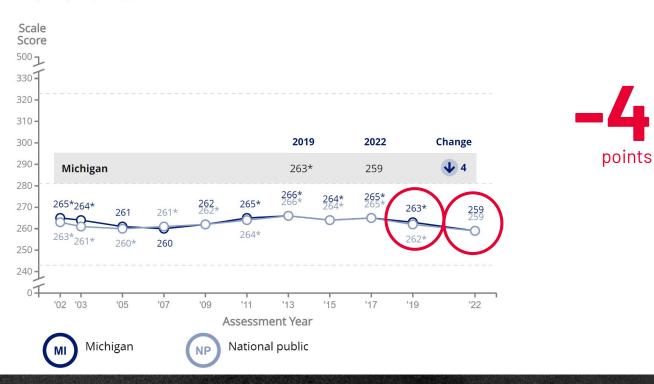
Average scale scores for grade 8 mathematics, by All students [TOTAL] and jurisdiction: 1990, 1992, 1996, 2000, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, 2019, and 2022



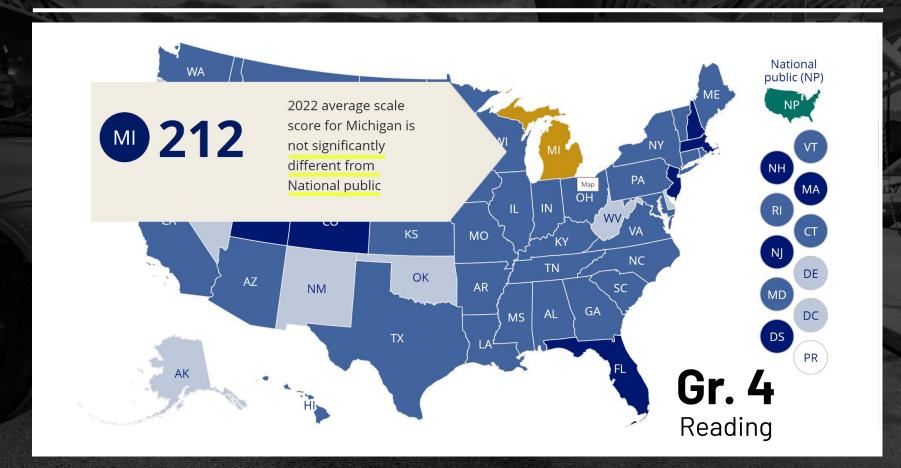
Similar trend in grade 8 reading between Michigan and US

GRADE 8 | **READING**

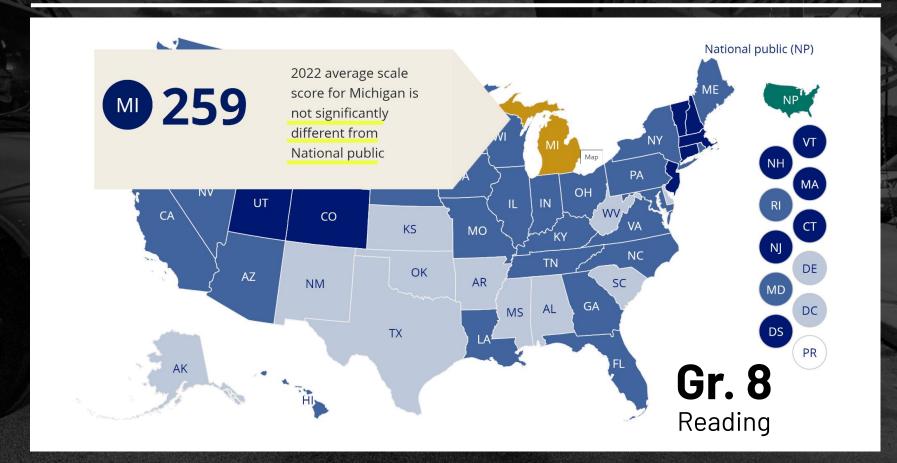
Average scale scores for grade 8 reading, by All students [TOTAL] and jurisdiction: 2002, 2003, 2005, 2007, 2009, 2011, 2013, 2015, 2017, 2019, and 2022



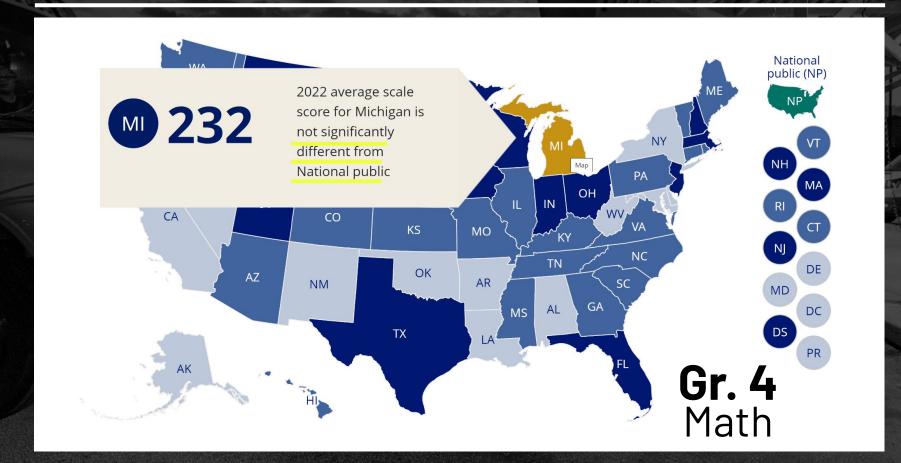
MI 4th grade reading scores not significant from nation



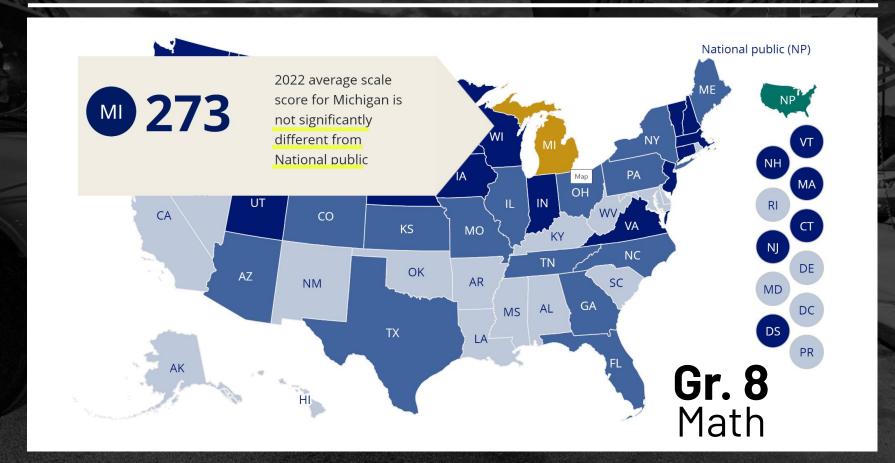
MI 8th grade reading scores not significant from nation

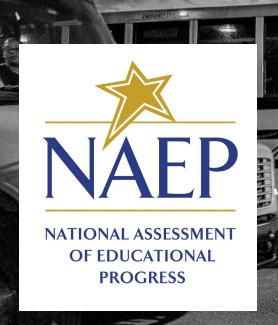


MI 4th grade math scores not significant from nation



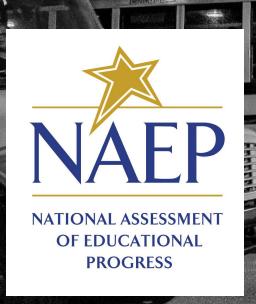
MI 8th grade math scores not significant from nation





Gaps between MI White & Black students

	Score Gap 2022	Score Gap 2019	Score Gap Difference
Gr. 4 Reading	32	25	7
Gr. 8 Reading	27	24	3
Gr. 4 Math	35	30	5
Gr. 8 Math	34	34	_

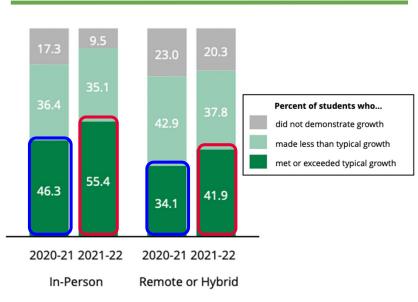


Key findings from NAEP results

- → **Substantial drops** in scores particularly in **math** between 2019 and 2022.
- → We continue to see **significant gaps** in between **White** and **Black students**.
- Michigan's student performance, however, remains on par with the performance of their nationwide peers.

Real impact for students learning in-person vs. remote

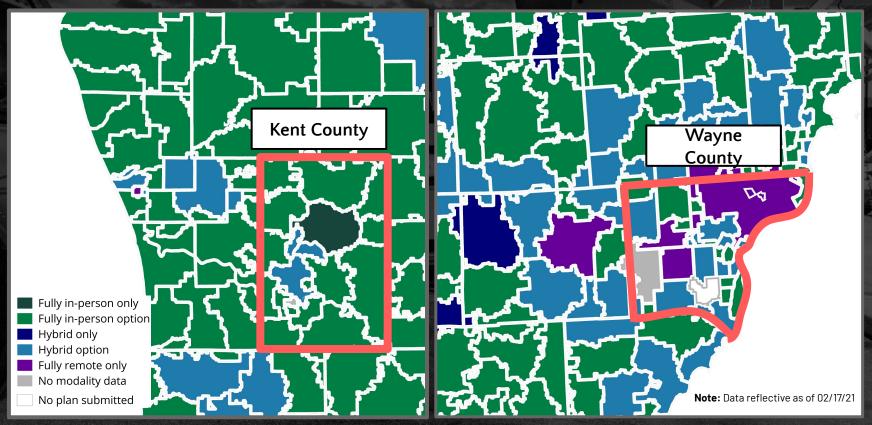
NWEA MAP Growth (Mathematics)





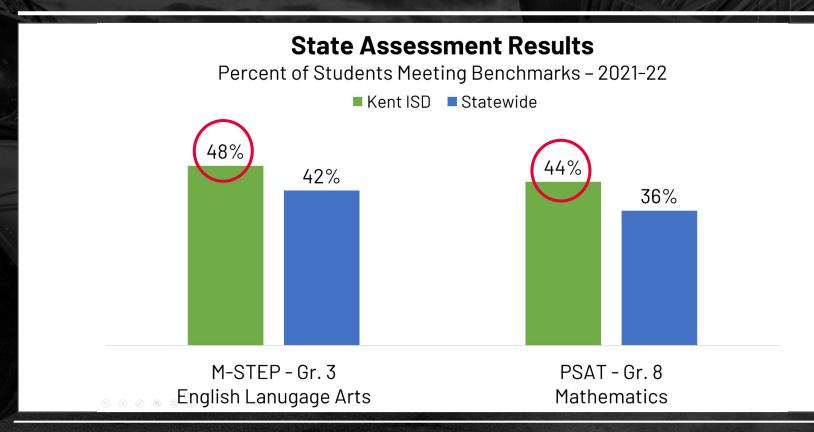
Source: Michigan State University - EPIC, Michigan's 2020-21 and 2021-22 Benchmark Assessments

Kent County districts provided more in-person instruction than Wayne

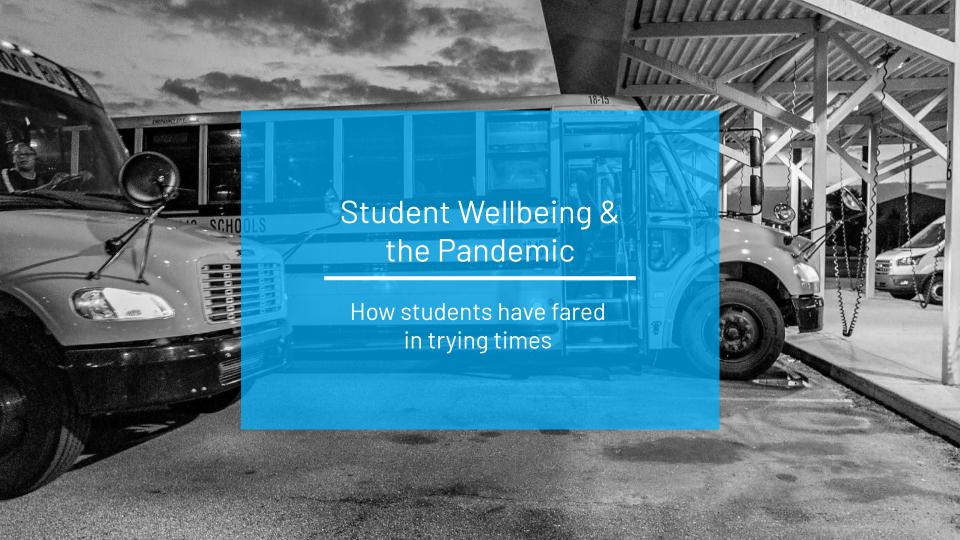


Source: Michigan State University - EPIC, Instructional Delivery Under Michigan Districts' Extended COVID-19 Learning Plans

Kent ISD area students outperforming statewide peers



Source: Michigan Department of Education, State Assessment Results



Rise in mental health needs in children



Morbidity and Mortality Weekly Report (MMWR)

What is added by this report?

Mer

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View sug

Sum

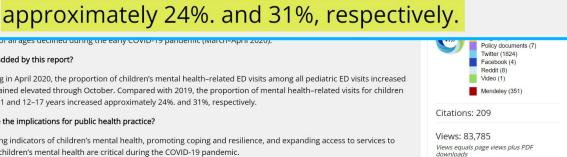
persons of all ages declined during the early COVID-19 pandemic (March-April 2020)

What is added by this report?

Beginning in April 2020, the proportion of children's mental health-related ED visits among all pediatric ED visits increased and remained elevated through October, Compared with 2019, the proportion of mental health-related visits for children aged 5-11 and 12-17 years increased approximately 24%. and 31%, respectively.

What are the implications for public health practice?

Monitoring indicators of children's mental health, promoting coping and resilience, and expanding access to services to support children's mental health are critical during the COVID-19 pandemic.



Beginning in April 2020, the proportion of children's mental health-related

ED visits among all pediatric ED visits increased and remained elevated

related visits for children aged 5–11 and 12–17 years increased

through October. Compared with 2019, the proportion of mental health-



Mental health needs remain for US high schoolers



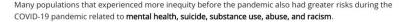
Adolescent and School Health

Adolescents Are Experiencing a Mental Health Crisis

 More than 1 in 3 high school students experienced poor mental health during the pandemic and nearly half of students felt persistently sad or hopeless.

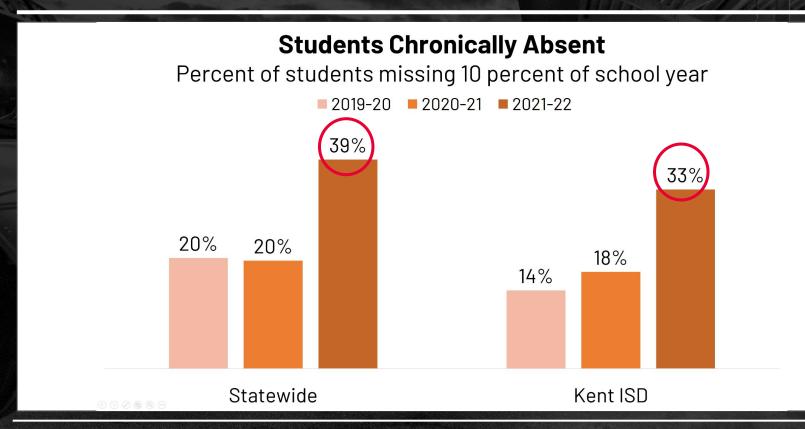








Significant increase in chronic absences in 2021-22







Teachers Matter

Understanding Teachers' Impact on Student Achievement

ISAAC M. OPPER

People often emphasize the importance of good teachers, and many local, state, and federal policies are designed to promote teacher quality. Research using student scores on standardized tests confirms the common perception that some teachers are more effective at improving student test scores than others, although standardized tests







Teachers matter more to student achievement than any other aspect of schooling.

Many factors contribute to a student's academic performance, including individual characteristics and family and neighborhood experiences. But research suggests that, among school-related factors, teachers matter most. When it comes to student performance on reading and math tests, teachers are estimated to have two to three times the effect of any other school factor, including services, facilities, and even leadership.



Despite common perceptions, effective teachers cannot reliably be identified based on where they went to school, whether they are licensed, or how long they have taught. A better way to assess teachers' effectiveness is to look at their on-the-job performance, including what they do in the classroom and how much progress their students make on achievement tests. This has led to policies that require evaluating teachers' on-the-job performance, based in part on evidence about their students' learning.

WANT TO LEADN MODE?

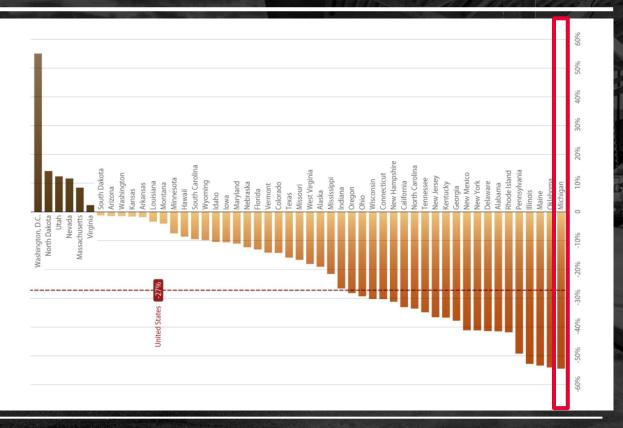
Michigan last for teacher preparation completion rate change

Percent change in students completing teacher prep. programs by state, 2010-2018

Michigan -54%

United States

-27%



Many Michigan teachers not teaching, despite credentials



STUDY BRIEF April 2021 Regional Educational Laboratory Midwest

At American Institutes for Research

Michigan Teachers Who Are Not Teaching: Who Are They, and What Would Motivate Them to Teach?

Statewide teacher shortages in Michigan are impeding efforts to ensure all students equitable access to qualified teachers. To alleviate shortages, education leaders have considered recruiting certified teachers who are not currently teaching (both those who have never taught and those who left teaching). This study analyzed teacher certification and employment data and data from a survey of certified teachers who were not teaching in a Michigan public school in 2017/18 to gather information on the viability of this recruitment option. The report describes the characteristics of these nonteaching certified teachers, the three most important reasons why they are not teaching, and the three most important incentives that would motivate them to teach in a public school in the state. The study found that approximately 61,000 teachers certified in Michigan were not teaching in the state's public schools in 2017/18. A survey of nonteaching certified teachers found that they most frequently selected wanting a higher salary as one of the three most important reasons why they were not teaching and that they most frequently selected an increase in salary as one of the three most important incentives that would motivate them to teach. Respondents also frequently selected financial incentives, such as allowing retirees to retain their retirement benefits, improving other benefits, and forgiving student loans, as one of their three most important incentives. Nonteaching certified teachers might consider becoming a public school teacher

61,000

teachers not teaching

102,055

total teachers in MI*

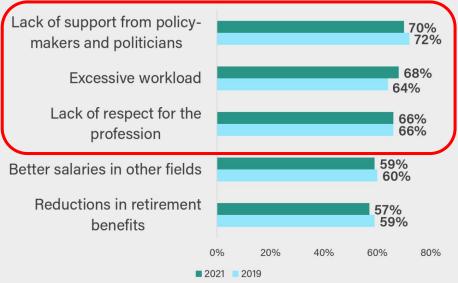
*Note: Data for 2017-18 school year

Understanding from policymakers top issue for profession

Top issues affecting career satisfaction



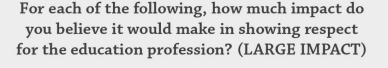
Whether or not you are thinking about leaving education, how much impact does each of the following have on your level of satisfaction with education as a career? (LARGE IMPACT)



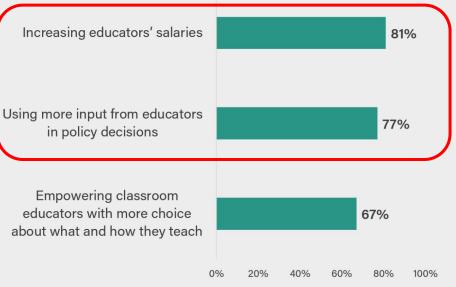
Source: Launch Michigan, 2021 Michigan Educator Survey

Salary and input top changes to improve teacher respect

Top changes that would show respect for educators





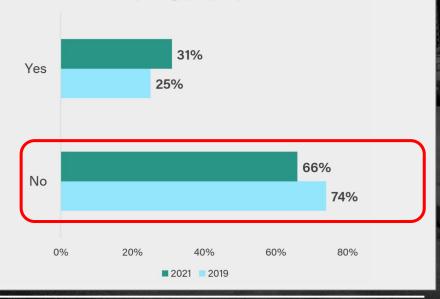


Educators would not recommend profession to others

Just three in ten would recommend education as a career field – little change from 2019.



(TEACHERS, ADMINISTRATORS, EDUCATORS; N=4,730) Would you recommend education as a career field for young people you know?



Source: Launch Michigan, 2021 Michigan Educator Survey



COVID-19 pandemic and federal funds

- → In response to the COVID-19 pandemic, districts <u>nationwide</u> received significant federal resources roughly \$190 billion.
 - Michigan received roughly \$6 billion.
- → One-time funds ranged from academic interventions and mental health services to upgrades to ventilation and sanitation.
- Questions remain on the impact of funds.



California: Resources for needy students makes a difference



Abstrac

school finance reform, the Local Control Funding Formula, is among the first to provide evidence of LCFF impacts on student outcomes. The study looked at per-pupil revenue, high school graduation rates, and student content of the study looked at per-pupil revenue, high school graduation rates, and student content of the school graduation rates, and student content of the school for all public schools in California. The results show that LCFF-induced increases in district revenue led to a significant reduction in the average school-level student-to teacher ratio and significant increases in average teacher stabries in a school spending led to significant increases in average teacher stabries in account of the school-level student-to-teacher ratio and significant increases in high school school spending in a school spending increase. In sum, the evidence suggests that the school spending increase, In sum, the evidence suggests that mome; targeted to students's spending increase. In sum, the evidence suggested can make a significant difference in student outcomes and can narrow

This brief can be found online at https: learningpolicyinstitute.org/product/caschool-finance-reform.

This research was funded in part by the Raikes Foundation. Core operating support for the Learning Policy Institute is provided by the Sandler Foundation, the William and Flora Hewlett Foundation, and the Ford Foundation. Abstract

A \$1,000 increase in funding [per pupil] - induced by California's Local Control Funding Formula (LCFF) - led to an increase of roughly seven months of learning in mathematics for low-income children.

me 40 years later, in 2013, LGFF was enacted. It was the first major

induced increases in school spending

...In sum, the **evidence** suggests that money **targeted** to **students' needs** can make a **significant difference** in student outcomes and can **narrow achievement gaps**.

acmevement cap.

National school finance reforms led to higher NAEP scores

American Economic Journal: Applied Economics 2018, 10(2): 1–26 https://doi.org/10.1257/app.20160567

School Finance Reform and the Distribution of Student Achievement

Progress, we find that reforms cause increases in the achievement of students in these districts, phasing in gradually over the years following the reform. The implied effect of school resources on educational achievement is large. (JEL H75, I21, I22, I24, I28)

Progress, we find that reforms cause increases in the achievement of students in these districts, phasing in gradually over the years following the reform. The implied effect of school resources on educational achievement is large. (JEL H75, 121, 122, 124, 128)

conomists have long been skeptical of resource-based education policies, based in part on observational studies showing small or zero effects of additional funding (see, e.g., Coleman et al. 1966, Hanushek 1986, Hanushek 2006). Hanushek,



Impact of resources goes beyond schooling into adulthood

NBER WORKING PAPER SERIES

THE EFFECTS OF SCHOOL SPENDING ON EDUCATIONAL AND ECONOMIC OUTCOMES:

EVIDENCE FROM SCHOOL FINANCE REFORMS

C Kiraho Jackson

models reveal that a 10 percent increase in per-pupil spending each year for all twelve years of public school leads to 0.27 more completed years of education, 7.25 percent higher wages, and a 3.67 percentage-point reduction in the annual incidence of adult poverty; effects are much more pronounced for children from low-income families. Exogenous spending increases were associated with sizable improvements

We wish to thank the PSID staff for access to the confidential restricted-use PSID geocode data, and confidential data provided by the National Center for Education Statistics, US Department of Education. This research was supported by research grants received from the National Science Foundation under Award Number 1324778 (Jackson), and from the Russell Sage Foundation (Johnson). We are grateful for helpful comments received from Larry Katz, David Card, Caroline Hoxby, several anonymous referees, and seminar participants at UC-Berkeley, Harvard University, NBER Summer Institute, Institute for Research on Poverty Summer Workshop, Mannheim University, and Stockholm University. The views expressed herein are those of the authors and do not necessarily reflect the views of the National Bureau of Economic Research.

NBER working papers are circulated for discussion and comment purposes. They have not been peer-





Key takeaways from today's session

- → Our student population is becoming much more diverse.
- → The pandemic has had large and varying impacts on our students academically, socially and emotionally.
- → Multiple factors are impacting the teacher workforce including respect, pay and stress.
- → Research suggests that resources can make a significant impact on student outcomes.

