STUDENT REMOTE LEARNING

EFFECTS OF MODERN TECHNOLOGY IN PUBLIC ADMINISTRATION

EDUCATIONAL ORGANIZATION

GRADES K-12

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December 23, 2022

Purpose:

Has the integration of modern technology in public administration, within an educational organization, academically benefit students in grades k-8 or has it caused a "learning loss," as a result of remote learning?
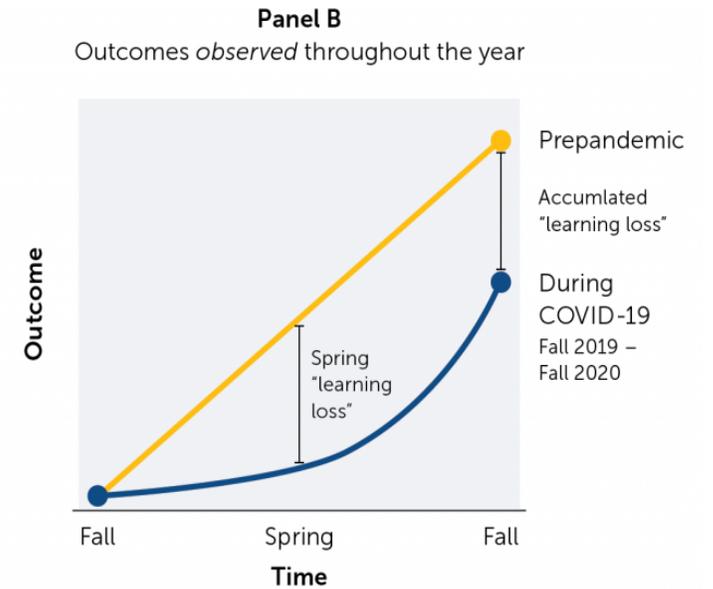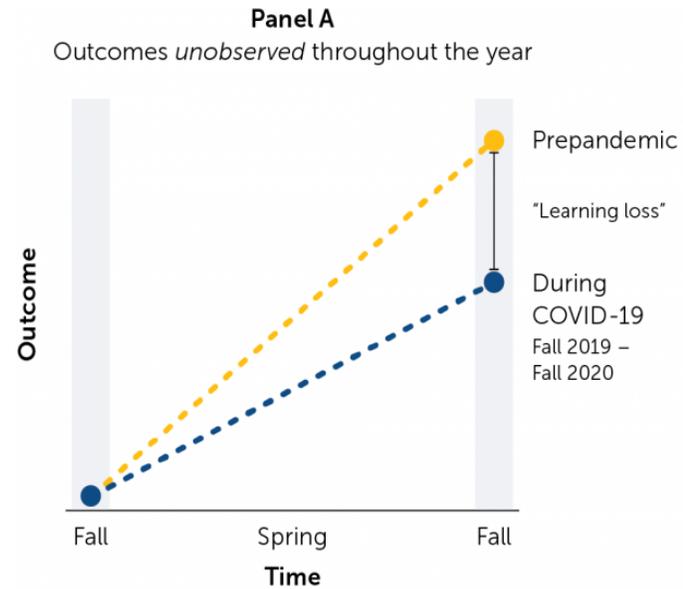
Background

▶ Public administrators relied **solely** on the use of technology to teach students, during the Coronavirus pandemic to mitigate the spread

▶ Teachers and students had to adapt quickly to the use of technology replacing traditional in-class instructions

▶ Public administrators, teachers, students and parents faced many new challenges, some of which may have caused negative long-term effects

▶ Researchers are collecting data through various methods, to determine the effects of modern technology as a sole means to educate and interact. Did this approach cause a learning loss, which subject areas, to what degree and which communities were mostly affected
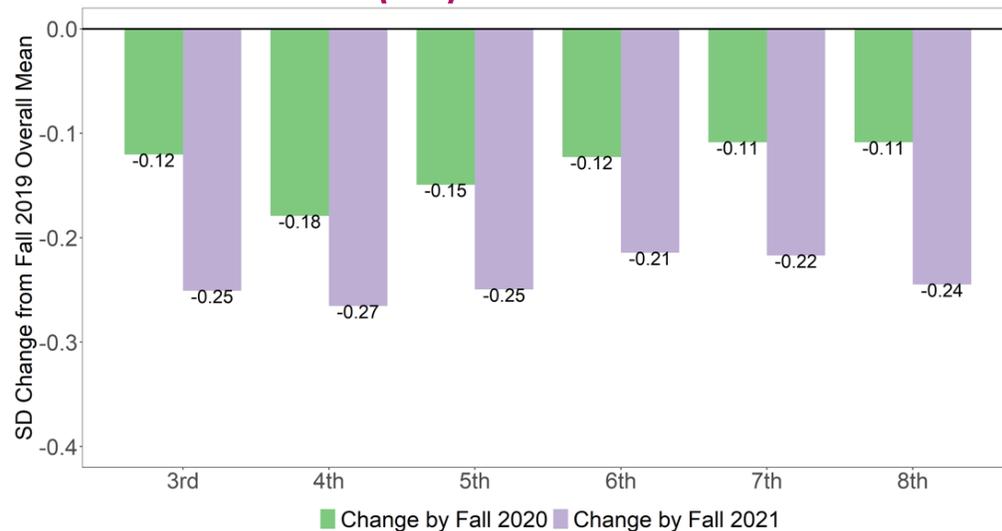
Methodology:

- Data
- Math Scores (Math/Reading)
- Interviews
- Surveys

Panel A
Outcomes *unobserved* throughout the year

Prepandemic

"Learning loss"

During COVID-19
Fall 2019 –
Fall 2020

Outcome

Fall   Spring   Fall
Time

Panel B
Outcomes *observed* throughout the year

Prepandemic

Accumulated "learning loss"

During COVID-19
Fall 2019 –
Fall 2020

Spring "learning loss"

Outcome

Fall   Spring   Fall
Time

Methodology:

(A) MATH

(B) READING

Trends in MAP Growth test scores in fall 2020 and fall 2021 (relative to same-grade peers in Fall 2019)

Expectations:

- Did the integration of modern technology in education benefit public administration, students, teachers, parents?

- Did the use of modern technology in education create new challenges for public administration, teachers, students and parents?

- Has the use of technology created a gap in test-scores?

- Will the learning loss have long-term effects?

- Which population, if any, may have been more negatively impacted by the transition to use using modern technology in education?

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