

Research & Recovery Round Up Whitepaper Series: Estimates of Additional Time Needed for Recovery

Briefing for the NC State Board of Education

Dr. Michael Maher, Executive Director, michael.maher@dpi.nc.gov

Ms. Lynne Barbour, Deputy Director, lynne.barbour@dpi.nc.gov

Dr. Jeni Corn, Director of Research and Evaluation, jeni.corn@dpi.nc.gov

Mr. Calen Clifton, Research Analyst, calen.clifton@dpi.nc.gov

Dr. Erin Manuel, Research Analyst, erin.manuel@dpi.nc.gov

Making NC a National Leader in Recovery

Superintendent Truitt created the Office of Learning Recovery and Acceleration in March 2021 to

- **Transparency:** Prioritize providing the research needed to make evidence-based decisions at state and local levels to aid in recovery and accelerate learning for all students.
- **Partnership:** Partner with PSUs to bring needed solutions to long-standing challenges facing NC public education.
- **Coordination:** Serve as the central point of contact for internal and external coordination of resources, collaboration, and communications.

OLR Whitepaper Series

Purpose and Timeline

Purpose

OLR Blog/Whitepaper Series: Research & Recovery Roundup

Unpack comprehensive report

- Recent legislation ([S.L. 2021-3 HB 196](#)) directed NCDPI to contract with a third-party entity to collect, analyze and report data related to the overall impacts of COVID-19 on public school units, students and families.
- Report Released March 2022: [COVID-19 Impact Analysis of Lost Instructional Time \(SAS Study\)](#)
 - Analysis compares students' projected score to the 2020-21 school year with their actual score during the 2020-21 school year for different student groups and contextual factors.

OLR Blog/Whitepaper Series: Research & Recovery Round Up (DRAFT Topics/Timeline)

- April: Overview of the Study ([link](#))
- May: Estimates of Additional Time Needed for Recovery
- June: Summer Learning
- July: Urban/Rural - Broadband, Literacy
- August: Economically Disadvantaged/Title 1
- September: Male/Female and Math
- October: Exceptional Children
- November: English Learners
- December: Homeless, Migrant, Foster
- January: Academically and Intellectually Gifted
- February: Digital Learning

Framing the Results

Learning Recovery & Acceleration Programs at State Level

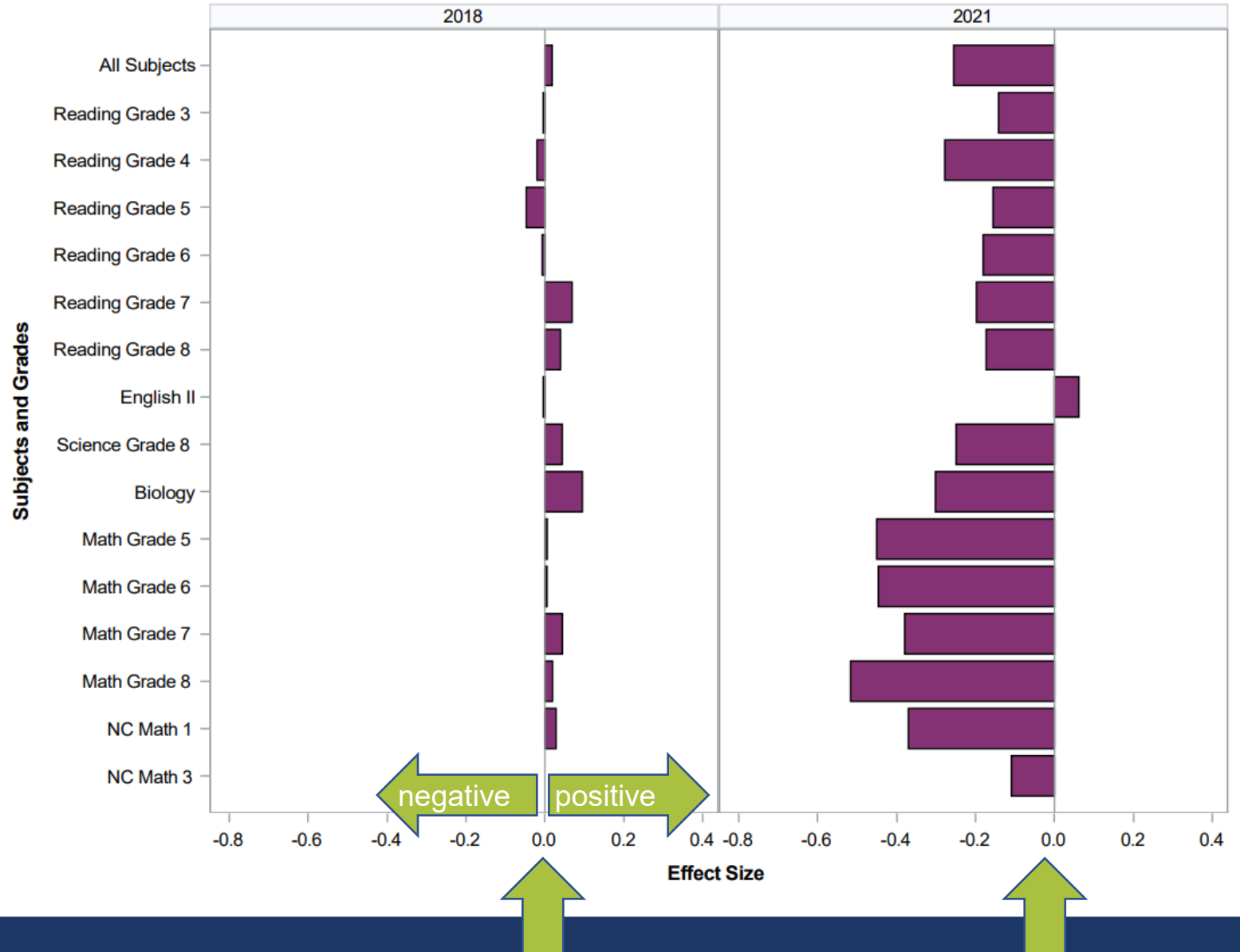
- We presented selected key findings followed by graph of the data.
 - Graphs from 2018 provide a snapshot of "business as usual."
 - Graphs from 2021 provide an estimate of "impact of the pandemic."
 - Vertical 0 line means students in those groups are performing as we would expect – they are on track based on past performance.
- This data is unique to North Carolina as it is individual, student level data (~1.4M students) and not based on sample sizes which means all differences are *statistically* significant.
- This data goes beyond how many students met grade level proficiency and presents the difference between where we expected students to perform and how they actually performed.

Statewide Summary of Effects

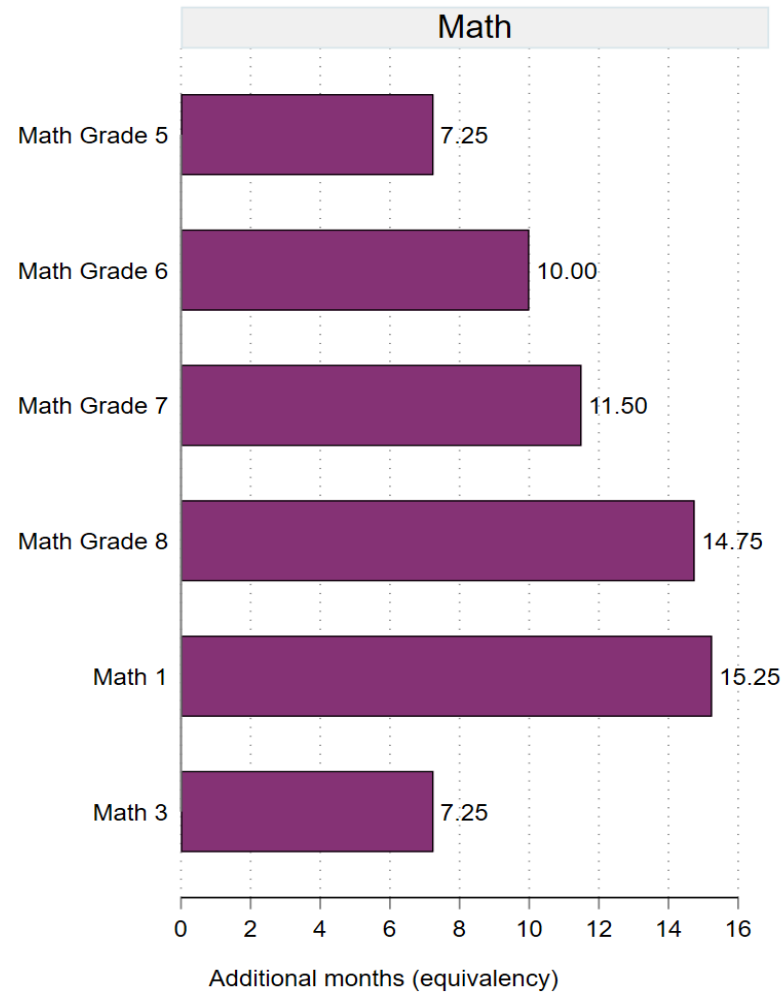
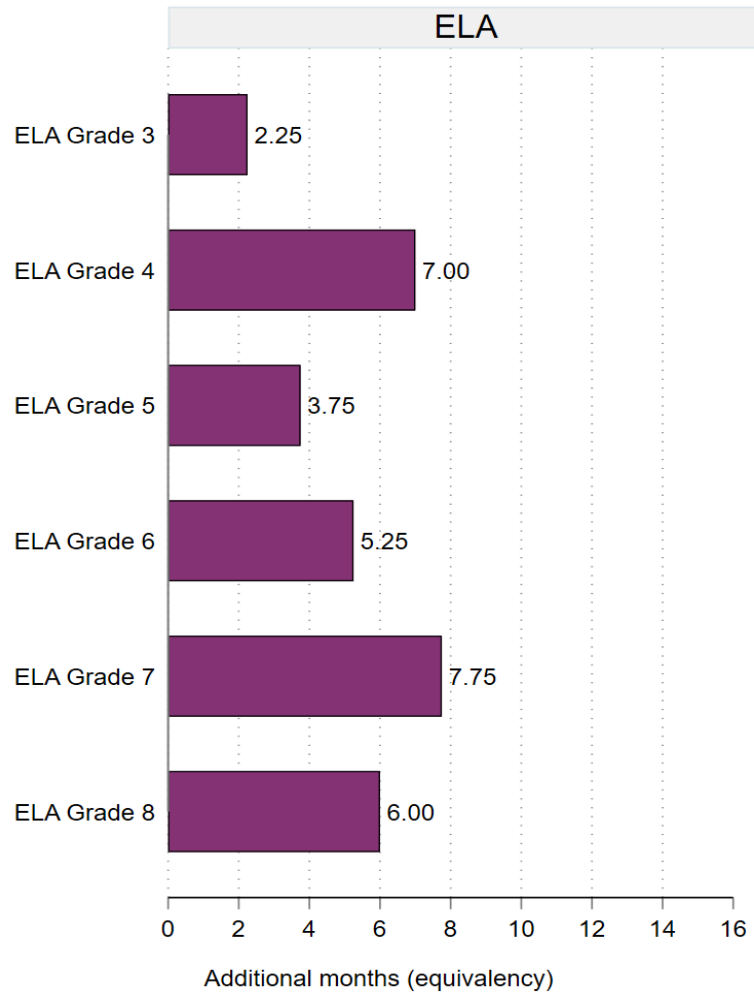
Requires understanding statistics and interpreting effect sizes (Kraft, 2020):

- < 0.05 : small
- 0.05 to 0.20 : medium
- > 0.20 : large

How can we make this information understandable and actionable for the general public?



Statewide Summary of Months for Recovery



Now that we know how much additional time is needed, what can we do to target resources and interventions to help students accelerate learning to get back on track?

OLR Supported Programs for Learning Recovery

- Summer Bridge Academies: \$40 Million (Summer 2022)
- Career Accelerator Programs: \$26 Million (Summer 2022)
- OLR PSU Summer Convening (Summer 2022)
- Math Enrichment Programs: \$36 Million (Fall 2022)
- Career Accelerator Programs: \$36 Million (Summer 2023)
- ARP 20% - At least 20% of funds must be used to address learning loss through evidence-based interventions that respond to students' academic, social, and emotional needs. (on-going)

Q&A

Thank you for your time and interest.