



The Pandemic's Consequences on Competences, Educational Careers and Equity.

How to strengthen Resilience for future Challenges?

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Conference on „Science for Resilience – Learnings from the Pandemic“

1) Consequences on Competences:

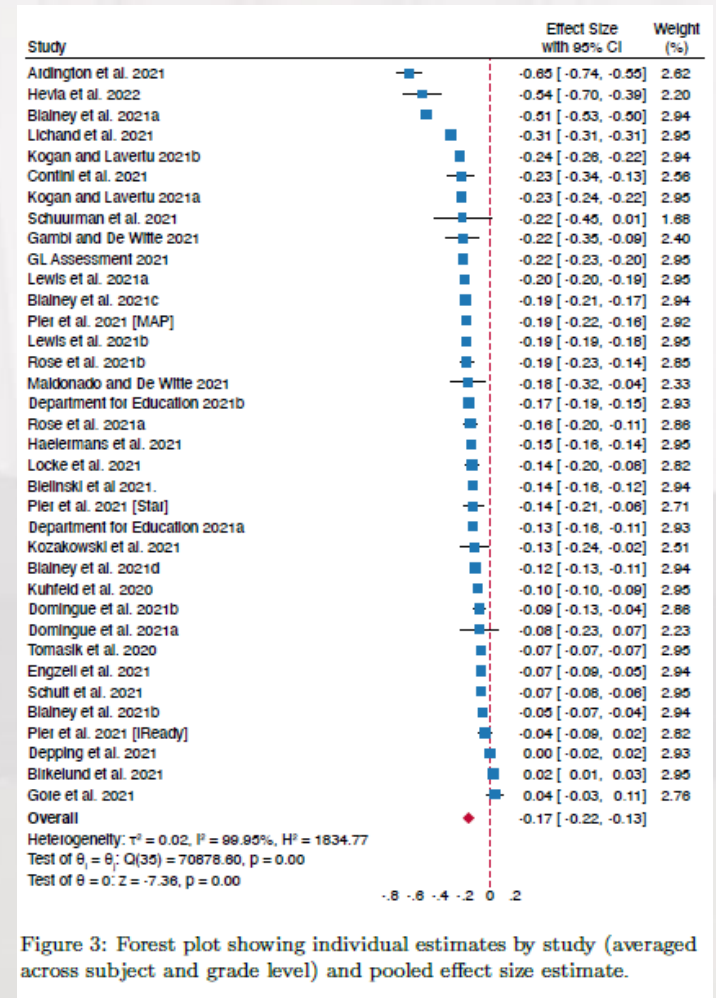
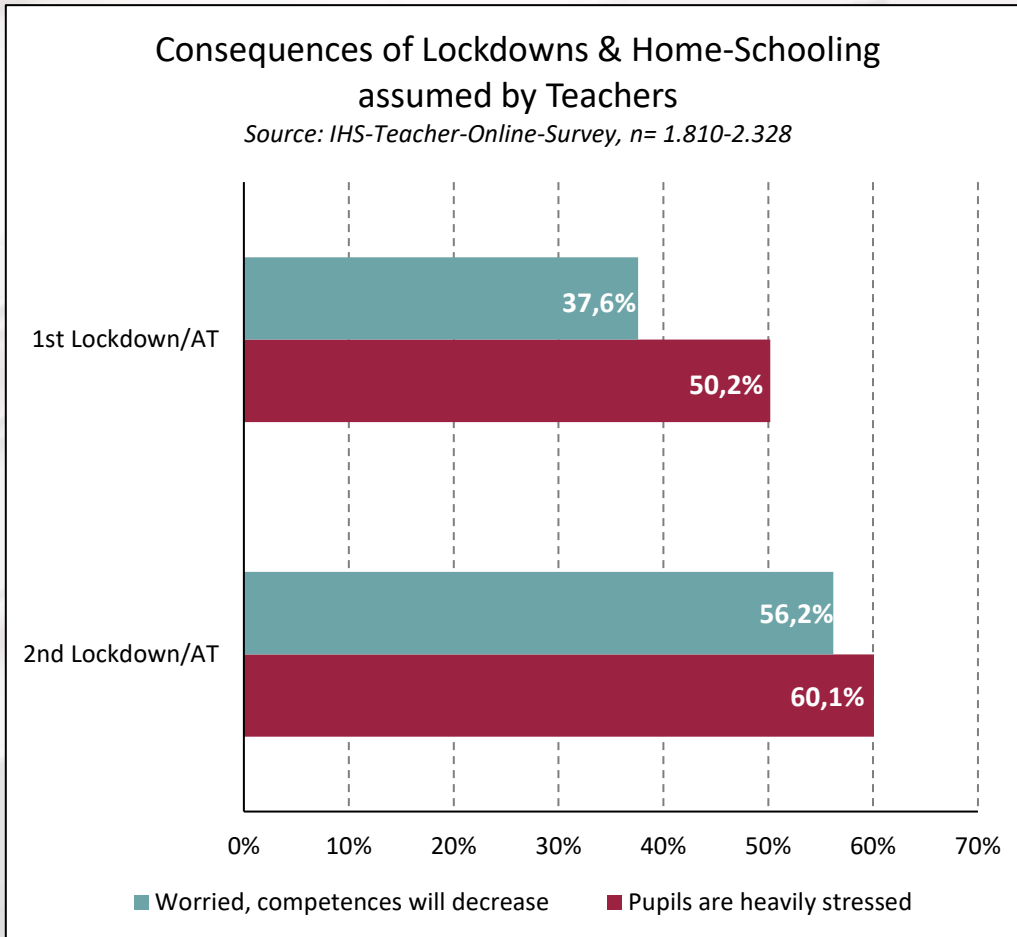


Figure 3: Forest plot showing individual estimates by study (averaged across subject and grade level) and pooled effect size estimate.

Source: Betthäuser B., Bach-Mortensen A., Engzell P. (2022): A systematic review and meta-analysis of the impact of the COVID-19 pandemic on learning. SocArXiv.

2) Consequences on Social Inequality:

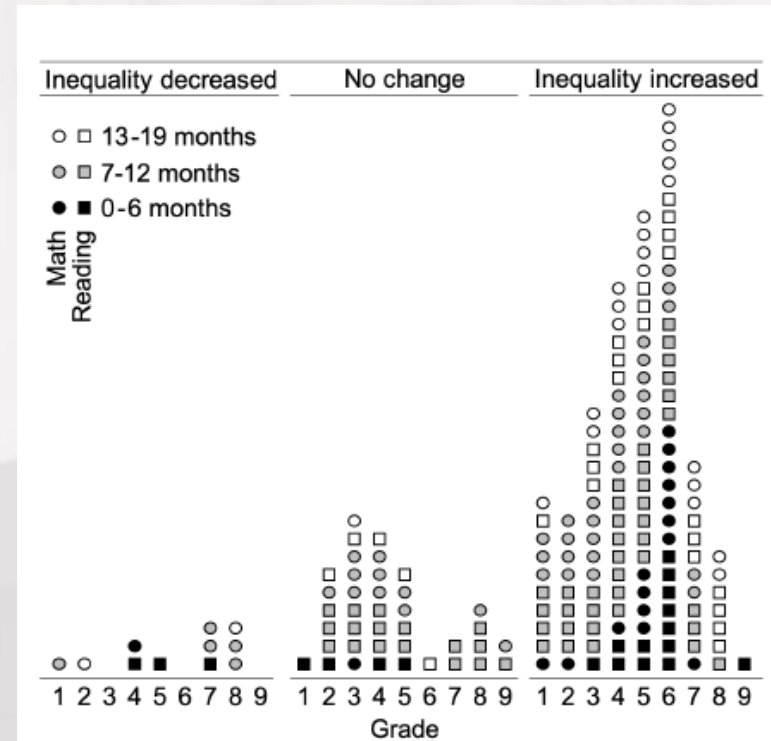
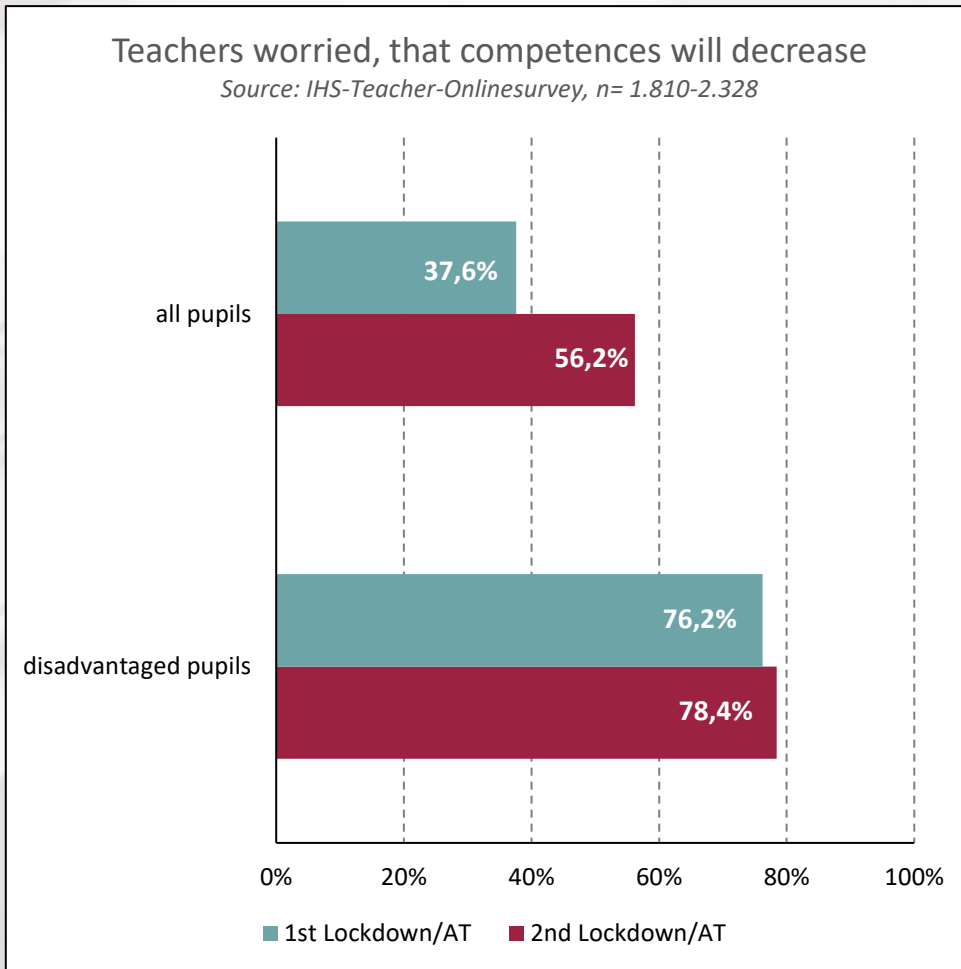


Figure 5: Harvest plot of the evidence on the effect of the pandemic on educational inequality. Each circle/square refers to one estimate of over-time change in inequality in math/reading performance. Estimates that find a decrease/no change/increase in inequality are grouped on the left/middle/right. Within these categories, estimates are ordered horizontally by grade level. Shading indicates when in the pandemic measure was taken.

Source: Betthäuser B., Bach-Mortensen A., Engzell P. (2022): A systematic review and meta-analysis of the impact of the COVID-19 pandemic on learning. SocArXiv.

3) Consequences on Macro-Level:

❖ Educational Careers

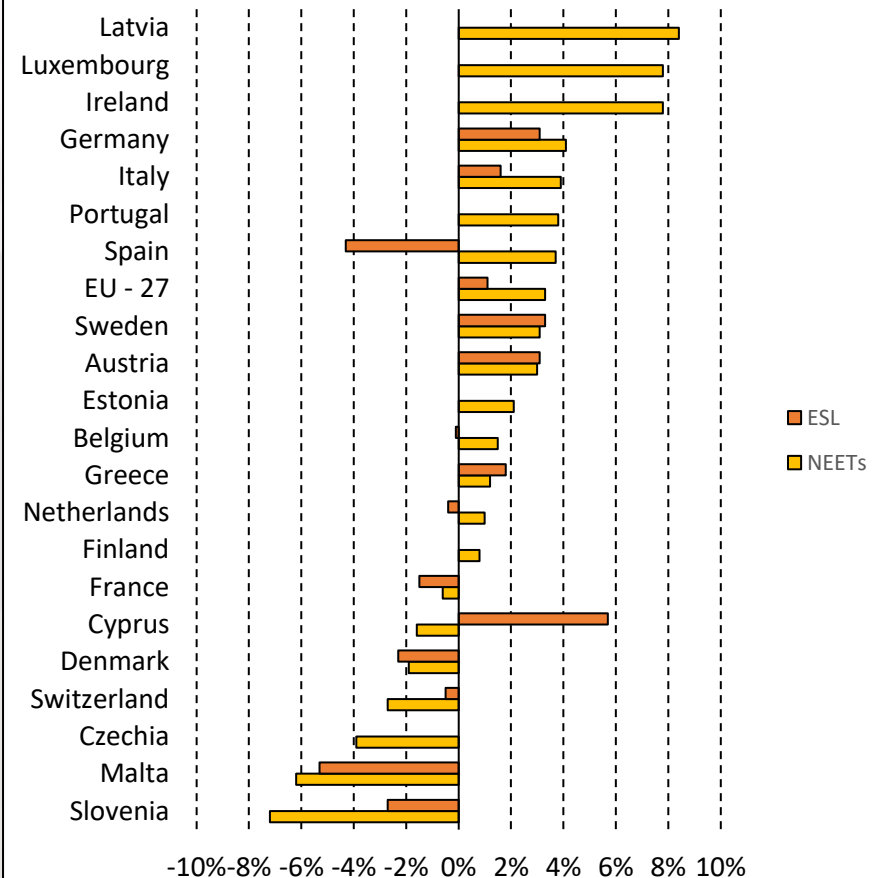
- Tendency for reduced drop-out from educational tracks which pupils entered before the pandemic.
- Severe difficulties for those at the transition from lower to upper secondary education during pandemic, 5% of cohort lost?

❖ Macro-Economics

- Decrease in prospect income of pupils 2 billion per month of school-closure (Kocher/Steiner, 2020)
- Gross domestic product reduced by 1,1% if schools close a quarter of a school-year (Hanushek/Wössmann, 2020)

Development of ESL & NEET-Indicators 2019 to 2020 for young foreign Citizens (%-points)

Source: EUROSTAT



4) Learnings: Strengthen Resilience

❖ Increase Support Structures

- Chronic lack of supportive structures (social work, school-psychology, ...)
- Allow teachers to concentrate on pedagogics/didactics.

❖ Improve Digitalization

- Hardware & digital competences & didactics
- Pay attention to digital divide

❖ Empower Main Actors

- Train pupil's capability of independent learning and implement less teacher-centered didactics
- Strengthening autonomy of teachers and schools enabling them to find individual solutions



Thank you
for your attention!

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