The Impact of COVID-19 on Education Systems Now and in the Future

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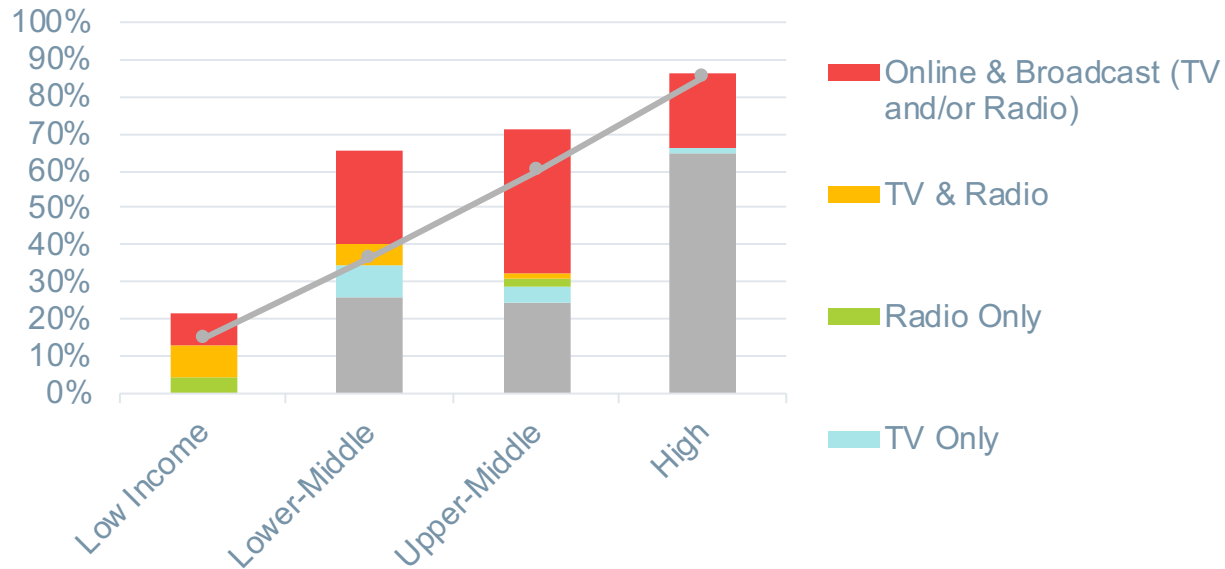
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Contents

1. Impact of school closures & government responses on learning & future earnings
2. Investing in Education to Rebuild Better Education Systems
3. Realizing the potential of technology to accelerate student learning

1. Impact of school closures & government responses on learning & future earnings

Share of Countries Responding to Pandemic with Different forms of Remote Learning and Internet Access, by Income Group

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COVID-19's Impact on Learning Inequality

▷ COVID-19 will have huge impacts on student learning across the world, but students in low-income countries and in sub-Saharan Africa will be the most negatively affected.

▷ In middle- and high-income countries with broad internet access and in PISA-participating countries, the impact on student learning will depend more on the quality of teaching and learning taking place remotely.

▷ The learning gap between rich and poor will likely grow during the pandemic, not just between high- and low-income countries, but also between high- and low-income regions and communities within countries.

▷ Girls and migrant/refugee populations are at greatest risk.

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Estimating the loss in earnings resulting from COVID-19 school closures (with Psacharopoulos, Collis and Patrinos)

▷ Every year of schooling equals 9% in additional future earnings

▷ We use number of months of closures to estimate loss in marginal future earnings

▷ If Country X closes its schools and universities for 4 months, loss in marginal future earnings would be 2.5% a year over a student's working life

▷ We apply this assumption to the world's largest economy, the United States of America and its 76 million students

Lost wages from the school closures in the U.S.

- Individual:
  - Lost earnings of $1,337 per year per student
  - Present value loss of earnings of $33,464

- Society:
  - $2.5 trillion

2. Investing in Education to Rebuild Better Education Systems

Ensuring financial resources are invested to sustain learning & reduce inequality

Strengthening early childhood care & education systems

Realizing the potential of ed-tech to accelerate student learning

Ensuring the most disadvantaged are not left behind

Preparing students to protect our planet

Scaling to transform education systems

3. Realizing the potential of technology to accelerate student learning (with Ganimian and Hess, forthcoming)

To realize the promise of technology to improve learning outcomes for all students, we need to play to technology's *comparative* advantages:

- ▶ Scaling-up quality instruction
- ▶ Facilitating differentiated instruction
- ▶ Expanding opportunities to practice
- ▶ Increasing student engagement

THANK YOU!

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