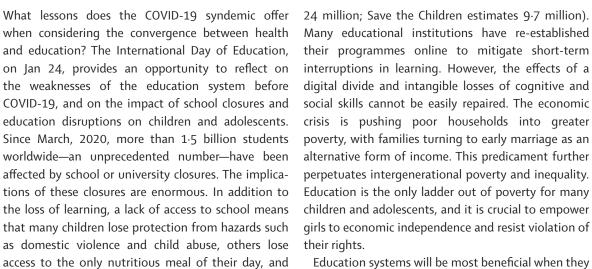


Since January 2020 Elsevier has created a COVID-19 resource centre with free information in English and Mandarin on the novel coronavirus COVID-19. The COVID-19 resource centre is hosted on Elsevier Connect, the company's public news and information website.

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COVID-19: the intersection of education and health



provide more than a curriculum in science, maths, languages, and other academic subjects. Programmes that better support the cognitive and behavioural skills of children—self-reliance, decision making, anxiety management, communication, and assertiveness—will enable them to thrive. Traditional educational skills need to be expanded to encompass training in sexual and reproductive health and rights, child nutrition, and mental health.

This conceptual change in the value of education needs to start at the national level with revitalised education programmes. There is evidence that holistic approaches to education that value health and wellbeing can be effective. But their success is dependent on the political will to implement and support them. For example, the Health Promoting Schools approach developed by WHO values schools as social communities inclusive of students, teachers, and families; however, WHO reports that few countries have successfully implemented it at scale. This approach is aligned with the Sustainable Development Goals (SDGs) for health (SGD3) and quality education (SDG4), which explicitly acknowledge the linkage between health and education. Yet, the two sectors remain distant; arguments over whether to close schools to prevent infection can even imply that they are in opposition. This disconnect needs to be remedied. Closer cooperation would revitalise not only education, but also child and adolescent health. ■ The Lancet



short term, some students are leaving school to find work earlier than they might otherwise have; others might be experiencing mental health problems such as loneliness and anxiety. In the long term, there is a danger that hard-won progress in secondary school attendance in low-income and middle-income countries will be reversed. And it is not only schools that shape education. Cultural events, sport, and religion have been disrupted, in many countries for almost a year. Under lockdowns, children who have not yet reached school age have been forced to remain at home, and low levels of stimulation during a child's early years are likely to have far-reaching consequences for their development. Health and education are bidirectionally linked: a good-quality education is an investment for health, and health is essential for effective learning. These disruptions to education, and the subsequent widening of inequalities in learning, will adversely affect the health of this generation and

many will miss immunisations that are often given at

school. Furthermore, school closures deprive children

and adolescents of social and emotional experiences

Adolescents are particularly affected by both closures

and by distance learning in higher education. In the

essential for their development and wellbeing.

The disproportionate effect of school closures on girls and poorer students is especially concerningmillions of children are predicted to drop out of school (the humanitarian analysis organisation ACAPS says For more on the number of students impacted by the pandemic see https://en.unesco org/covid19/educationresponse

For more on projected school dropout figures see https:// reliefweb.int/sites/reliefweb.int/ files/resources/20201102 acaps thematic_series_review_of_ covid-19 impacts on global education.pdf, and https:// resourcecentre.savethechildren net/node/17871/pdf/save_our_ education_0.pdf

For more on the effectiveness of holistic approaches to education see BMC Public Health 2015; published online Feb 12. https://doi.org/10.1186/ s12889-015-1360-y

For more on the WHO Health Promoting Schools approach see https://www.who.int/healthtopics/health-promotingschools#tab=tab_1, and https://www.who.int/healthpromoting-schools/makingevery-school-health-promotionschool/en/

foundation for health see Viewpoint Lancet Child Adolesc Health 2021: published online Jan 21 https://doi.org/10.1016/S2352-4642(20)30316-3

For more on schools as a

their children.