Nowcasting impact of COVID-19 on multidimensional child poverty

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Multidimensional child poverty

Six dimensions:
1. Education
2. Health
3. Nutrition
4. Housing
5. Sanitation
6. Water

It has been estimated (pre-COVID) that:
- 75% - 80% of children in LMICs experience ‘moderate’ deprivation in at least one of these dimensions
- 45% - 50% experience at least one ‘severe’ deprivation
- On average children experience 0.7 severe deprivations and 1.4 moderate deprivations
Aim, data and approach

**Aim**
- To estimate how much multidimensional child poverty might increase due to the COVID-19 pandemic, focusing on three areas: education, health and nutrition.

**Data**
- Multi-Indicator and Cluster Surveys (MICS) and Demographic and Health Surveys, between 2012 and 2019, for 72 countries
- Data on impact of COVID-19 on schools, health services and nutrition

**Approach**
- Forecasting approach based on conservative estimates (limited indicators and no imputation).
Method: Education

Estimate effects of school closures and difficulties in participating in distance learning

• *Moderately deprived*: Children who were moderately deprived before COVID-19 + children who did not access school for more than 10% of the academic year in 2020 and who could not participate properly in distance learning due to overcrowded conditions in the household

• *Severely deprived*: Children who were severely deprived before COVID-19 + children who did not access school for more than 10% of the academic year in 2020 and who do not have access to technologies at home, which allowed them to participate in distance learning programmes

Additional data:

• School closures (UNESCO)

• Available distance learning programmes (COVID-19 Global Education Recovery Tracker)
Method: Health

Estimate the effects of reductions in health services on immunization, acute respiratory Illness care and reproductive health services*

• *Moderately deprived*: Children who were moderately deprived before COVID-19 + children who are at highest risk of not receiving all four vaccinations / are not treated by a professional health service when affected by high fever and heavy coughing / do not have access to modern methods for contraception.

• *Severely deprived*: Children who were severely deprived before COVID-19 + children who are at highest risk of not receiving any vaccination / are not treated by any health service when affected by high fever and heavy coughing / do not have access to any contraception methods.

Additional data:

• Service disruption in health in 2021: UNICEF Socio-economic impact of the pandemic

* Vaccinations (new born/very young), respiratory (3-5), reproductive (15-17)
Method: Nutrition

Estimate changes in stunting (second year)

- Moderate stunting: Children whose height-for-age is below two standard deviations from the international norm.
- Estimated by shifting distribution based on published estimates of increase in stunting

Additional data:

Summary of estimates

**Education**
- Sharp increase in deprivation (roughly 3.5 times more) in 2020 for both moderate and severe deprivation
- Declining in 2021 but still roughly double the pre-COVID level

**Health**
- The proportion of children severely deprived roughly tripled during 2020
- Declining closer to baseline in 2021

**Nutrition**
- Not estimated for 2020 due to presumed lag
- In 2021, stunting could increase by up to one percentage point. Seems small but millions of children and long-term impacts
Overall multidimensional child poverty

Figure 1: Child Poverty (severe thresholds of material deprivation): Projected increases in 2020 and 2021
Further information


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