



Responses to the Covid-19 pandemic

Using the MPI

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OBJECTIVES INGREDIENTS AND TOOLS

Objectives:

- > to <u>protect</u> the most vulnerable from contracting COVID-19
- \succ to <u>target</u> the poor and new-poor with emergency response
- to <u>anticipate</u> the number and location of additional newpoor for preparedness of different recession scenarios
- > to complement cash transfers with other vital <u>services</u>
- > to monitor MPI in real time, to inform policies
- to <u>plan</u> a pro-poorest recovery
 - Food needs are met
 - \succ the unemployed return to work
 - \succ social services are strengthened
 - equity is introduced

OBJECTIVES INGREDIENTS AND TOOLS

Ingredients:

- Globally comparable data
- National Datasets
- Census & Registry data
- New data (Remote Rapid, Mkt) -
- > Administrative Records

Tools:

- > Global MPI
- National MPIs; new MVIs
- Micro simulations predictions
- Targeting methods

Key actors:

- Governments
- Internatl Agencies
 - **Private Sector**
 - NGOs Civil Society

CHALLENGES & INSIGHTS

<u>Challenge</u>

- Need information fast
- Information Overload
- Need more info than MPI; Need fast overview of remote rapid survey data
- Don't have new data to quantify current challenges
- Need specific sectoral work

<u>Insight:</u>

Ο

- Existing MPI may help
- Package using counting
- Make bespoke MVI
 - analyses tuned to policy
 - Analyse existing and simulate new
- Adjust dimensions,
 indicators, structures.

Some Example Strategies

Global MPI

- High risk groups
- Microsimulations

National MVIs

- See the poor & new poor
- Microsimulations

Bespoke Remote/Rapid surveys

- Particular sectors

Colombia:

Targeting Census/Registry data OverlayAdmin Data

DATABASE: THE GLOBAL MPI 2019

We use harmonised data for 101 countries and 5.7 billion people, that match as much as data permit, definitions for 10 indicators.

Data Source: DHS and MICS surveys launched before April 2019 for most countries; national surveys for a few. Next global MPI update: July 2020



The global MPI is built directly on data covering deprivations that are directly 'interlinked' in the lives of people who are sharing the same household

OPHI Oxford Poverty & Human Development Initiative

Joint work with Jakob Dirksen, Christian Oldiges, & Ricardo Nogales

Poverty is Multidimensional ~ the interlinkages are already incredible ~

- 98.8% of the 1.3 billion people who are poor by the global MPI are carry <u>three or more</u> deprivations.
- 83.5% have <u>five or more</u> at the same time.
- Across all ten indicators, between 81% and 99% of the people who are deprived that indicator experience one or more additional deprivations.
- E.g. 99% of those deprived in electricity have 1+ other deprivation.
- REMINDING PEOPLE OF THIS INFORMATION FROM THE MPI IS KEY DURING COVID -



Enter Covid-19

- For many of us, Covid-19 is a shocking exposure to a new threat
- For the MPI poor, it is another addition to their already extensive deprivation load.







The global MPI: How can rises in poverty be prevented?

Information from the global MPI is being used

- 1. to identify those at higher risk of fatalities from COVID-19 thus
- 2. to reduce the collateral human cost of the pandemic and recession.
- 3. to predict how poverty may increase



experiencing a lack of access to safe drinking water

Who is at high risk in our dataset?

In part, those deprived in:

- Nutrition
- Clean Water
- Clean Cooking Fuel

Population in the developing world

- 3.6 billion people, or 62.6% of the 5.7 billion people living in the 101 countries of developing regions covered by the 2019 global MPI, are affected by at least one COVID-19-related deprivation. They are 'at risk'.
- Fully 472 million people are deprived all three COVID-19 risk factors at the same time. They are at 'high risk'.



Consider both Level of deprivations and Number of people affected.

Number of MPI Poor at High Risk (in thousands)

0 - 100100 - 1,0001,000 - 5,0005,000-10,000 10,000 - 20,00020,000-40,000 40,000-60,000 No data

Confirmed COVID-19 Deaths

20 100+

opean Center for Disease Control (ECDC), staecdc.europa.eu/covid19/cas.ed istribution/csv. e, Kanagaratnam, and Suppa (2019).

Figure 4. Nigerian states: Number of people who are MPI poor and are at high risk from COVID-19 with COVID-19 cases (confirmed infections)



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Sources: COVID-19 data, Nigeria Center for Disease Control (NCDC), 4th April 2020, www. covid19.ncdc.gov.ng. MPI data computed by Alkire, Kanagaratnam, and Suppa (2019).

High Risk varies subnationally a great deal — in

terms of level, and number. Both are important for

OPHI Oxford Poverty & Human Development Initiative targeting





New Indicators, Microsimulations and Projections

- Increase in Nutrition
 - EG WFP increases 135 million increase in severe food insecurity.
- Increase in Out of School Children
 - At present 1.6 billion are out of school. Will they go back?
- Increases from urban-rural migration / covariant shocks.
- Handwashing, Informal work, intergenerational households

How will the global MPI poor and vulnerable fare? Quantify plausible scenarios to see increase in MPI globally.



National MPIs are, at country level, being innovated to MVIs — Multidimensional Vulnerability Indices and Analyses for Emergency response

- Informal employment
- Intergenerational Households
- Overcrowding
- Handwashing Facilities
- Ownership of mobile phone for emergency response
- Sharing and Caring roles within household





Example: Afghanistan

- 5 dimensions: health, education, living standards, work, and shocks.
- Reminded of MPI results 51.7% poor, disaggregations
- Focused on four indicators: food security, water, sanitation, cooking fuel.
- Microsimulations for rise in hunger
- Microsimulations for loss of employment
 Microsimulations children out of school







AFGHANISTAN Multidimensional Poverty Index 2016–2017 Report and Analysis





Example: Pakistan Ehsaas strategy

- Needed a fast emergency response
- Did not have up to date census/registry data nor survey data for MPI.
- After analysing 'old' data on MVI indicators to observe patterns
- Opened a demand response call by SMS
- Used a c<u>ounting-based</u> short list of exclusion criteria' available by hh id.
- Used administrative data
- Reached ~ 80 million people (12.7 M families)







Bhutan Rapid Remote Socio Economic Impact Assessment of COVID-19 on Tourism & Allied Sectors

- Across 8 indicators, 80% of workers in the sector faced deprivations in at least 3 core vulnerabilities. Analysed these by gender, age, type of job.
- Probed coping strategies, profiling those who were for example, returning to rural areas.
- Probed interest in re-training for other profession by gender — some surprises (plumbing popular)!



BHUTAN Multidimensional Poverty Index 2017



And Post-Emergency?

There was a sharp reduction of the incidence of undernourishment in Britain in the difficult years of food shortages during the second world war. Facing a big reduction of total food availability, Britain arranged more equal food sharing, through rationing and social support. The results were astounding. During the war decade of the 1940s, life expectancy at birth in England and Wales went up by 6.5 years for men, compared with 1.2 years in the preceding decade, and for women it rose 7 years, far exceeding the 1.5 year gain of the decade before...



positive happen due to the experience of the present crisis? The lessons to emerge from a crisis surely depend on how it is dealt with, and what concerns come to the fore. Amartya Sen, Financial Times 15 April 2020

What MPPN friends can do

• Extend Bespoke Multidimensional Analyses

- To include COVID Vulnerability
- To engage the existing and new poor

• Innovate on Data Collection

- Include core MPI indicators in Rapid Remote surveys
- Integrate MPIs into 2020 census round post-COVID
- Cross-Learn and articulate your own insights.
- Escalate Poverty as post-emergency goal.

How can OPHI support partners?



Some Important points

- Rapid Assessment of Vulnerability: a COVID related Multidimensional Vulnerability Index
 - Construction of a multidimensional vulnerability index (MVI)to identify vulnerable persons
 - Disaggregation of the MVI by vulnerable populations
 - Comparisons with monetary poverty to identify interlinkages and mismatches
 - Trial simulations of effects of different assumptions on social deprivations
- Use of Census or Registry Data to target using a bespoke Vulnerability Index
- Rapid Data Collection Methods



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