Evolving socioeconomic impacts of COVID-19 in five African countries

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Introduction and Motivation

The spread of COVID-19 has had major health and economic impacts:

- According to the WHO, as of 6:10pm CEST, 28 July 2021, there have been 195,266,156 confirmed cases of COVID-19, including 4,180,161 deaths.
- Global extreme poverty estimated to have risen for the first time in over 20 years (World Bank, 2020).

Low- and middle-income countries continue to face challenges, exacerbated by weaker health systems and slow vaccine roll-out.

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Introduction

Introduction and Motivation

Research on the health impacts in low- and middle-income countries of COVID-19 is rapidly emerging, but evidence on the economic impacts of the pandemic is limited, though rapidly emerging.

Tracking how people's lives are affected by COVID-19 can enable governments and policymakers to better understand the circumstances faced by their countries.

Objective

Our goal: Provide high-frequency quantitative evidence on the household-level responses to and socio-economic impacts of COVID-19 in Sub-Saharan Africa.

Leverage longitudinal survey data from COVID-19 phone surveys and pre-COVID-19 face-to-face surveys in Burkina Faso, Ethiopia, Malawi, Nigeria, and Uganda.

Data

Monthly phone surveys in Burkina Faso, Ethiopia, Malawi, Nigeria, and Uganda:

- Monthly phone interviews with a national sample of households that were interviewed during the latest round of the World Bank LSMS-ISA-supported longitudinal survey.
- 12-month data collection cycle, starting in April/May 2020 depending on the country.
- Pre-COVID-19 LSMS-ISA data used not only in the analysis of the phone survey data but also in the calculating recalibrated sampling weights that counteract potential selection biases at the household-level [Ambel et al. (2021) and Brubaker et al. (2021)].

Today's analysis leverages 40 survey rounds and 81,000+ interviews across 5 countries: 1,600 to 3,200 households interviewed in a given round, depending on the country.

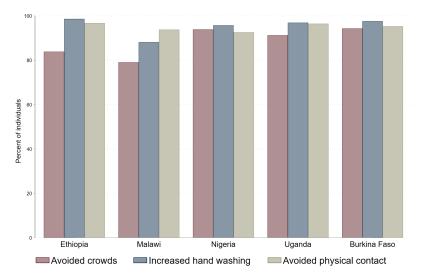
Data and documentation for LSMS-supported phone surveys are available through: www.worldbank.org/lsms-covid19.

Data

▶ Working on extending the analysis to Mali and Tanzania.

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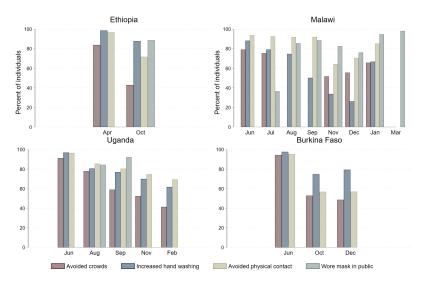
Adoption of hand washing and avoiding physical contact was near universal in the early months of the pandemic, based on the first phone survey round.



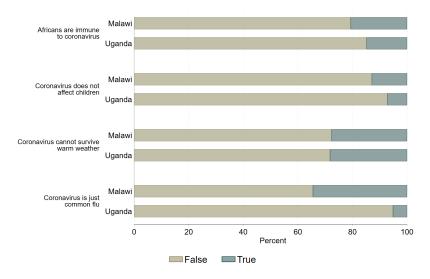
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Over time, reliance on COVID-safe practices, including hand washing and avoiding crowds, has fluctuated.

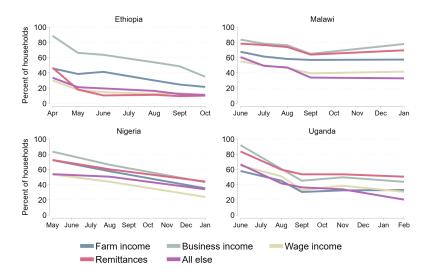


Misconceptions about transmission of COVID-19 were quite high in the early months of the pandemic, based on the first phone survey round.

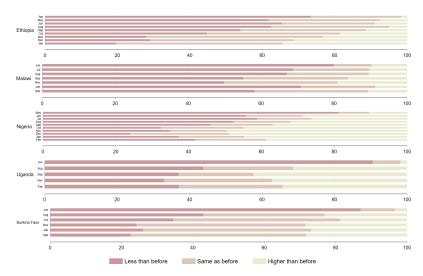


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Share of households reporting income losses are declining, with the exception of Malawi.



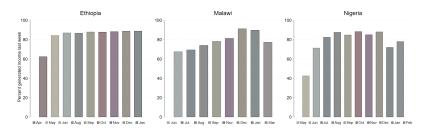
Income from non-farm enterprises is stabilizing, though many enterprise-operating households still report making less than the previous month.

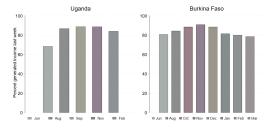


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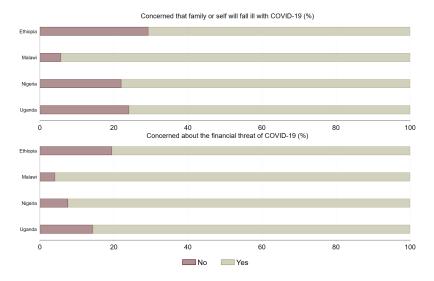
Share of respondents engaged in income-generating activities increased since outbreak, but declined again in early 2021.





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In early months of the pandemic, concerns about falling ill and suffering financial consequences due to COVID-19 were high.

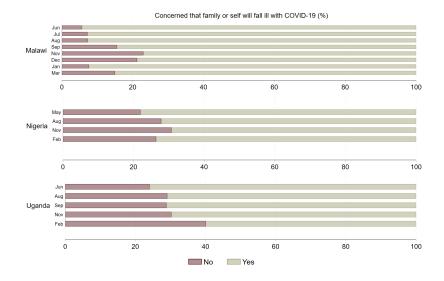


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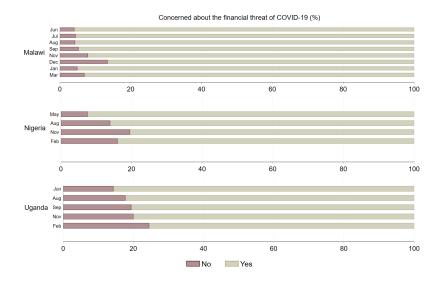
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Concerns about falling ill with COVID-19 have fluctuated over time.



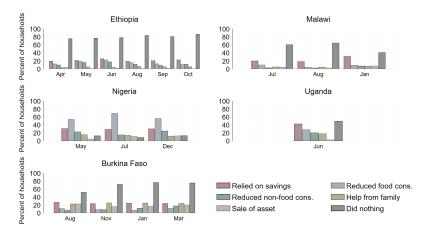
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Concerns about the financial threat of the pandemic fluctuated in a similar manner.

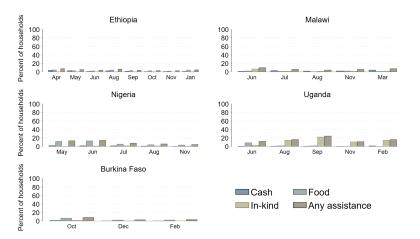


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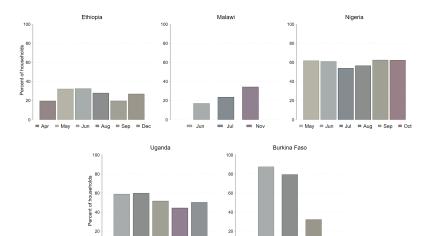
Various strategies are used to cope with pandemic; the most common are relying on savings and reducing food consumption.



Receipt of any type of assistance is extremely low, across all countries and across time.



Household-level incidence of children's engagement in learning activities are relatively stable over time (except for Burkina Faso), and considerably lower in Ethiopia and Malawi.



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Conclusions

Conclusions

- ▶ Behaviors to limit transmission of COVID-19 have fluctuated.
- Most households reported income losses in the early months of the pandemic, and while incidence of income losses vis-à-vis the last month is declining, the extent of decline varies substantially by country.
- Concerns about contracting COVID-19 and financial threats of the pandemic have fluctuated, but the levels of concern remained relatively high.
- Most common strategy to cope with the pandemic has emerged as reducing food consumption, while receipt of any type of assistance has remained extremely low.
- Few students continue to engage in learning activities.
- There is continued need for monitoring micro-level impacts and responses - given slow vaccination roll-out, adverse effects and negative coping strategies.

Conclusions

Publications

human behaviour

ARTICLES

R Check for update

Socioeconomic impacts of COVID-19 in low-income countries

Anna Josephson^{®1}, Talip Kilic^{®2} and Jeffrey D. Michler^{®128}

The sampgene of SABE-GAV2 and attempts to limit its speak how resulted in a contextion of the global scenary. Here we decument the socieconomic impacts of the pandemic many basedhold, addits and children in low-income constructions. To do so, we rely on longbackstal bounded survey glata from Ethlopia, Malani, Nigaria and Uganda, originating from pre-COVID-19 facto-th-face bounded survey plates planes surveys implemented during the pandemic. We estimate that 250 cmillion individuals-77% of the population-live in households that have lost income during the pandemic. Attempts to cope with this loss are exacerbated by fool insecurity and an inability to access medicine and staple foods. Finally, we find that student-tracher contact has dropped from a pre-COVID-19 rate of 95% to just 17% among households with school aged children. These findings can inform decisions by governments and international organizations on masures to mitigate the effects of the COVID-19 pandemic

February 2021. Governments have sought to limit the spread of the virus and mitigate the negative health outcomes of the disease his household. Our goal is to learn from how individuals cope with through various policy measures that have limited travel, imposed the socioeconomic effects of the virus. This can inform decisions are encoded and and a shock?" In the socioeconomic effects of the virus. This can inform decisions the global economy projected to shrink' by 8%. To date, the greatest bailfs and economic banden has been borne by the Americas. Our findings are based on longitudinal data from high-frequency suffer infection and mortality rates similar to or greater than those tinxing every month thereafter, the phone surveys aim to interview currently suffered by high-income countries". While research on a nationally representative sample of hosseholds. They follow up the health impacts of COVID-19 in low-income countries is rapidly emerging', there is limited evidence on the socioeconomic impacts of the pandemic. The evidence that exists primarily surveys and post-outbeak chone surveys have been surportion on pre-COV1D-19 macroeconomic data and similation models to under the workal bank loving standards Measurement the disease spread'. By contrast, we rely on direct measurements of accisecentenic indicators to document the implications of the pandenic for households, adults and childen living in low-income countries, as well as the actions that households are taking to mitigate these impacts.

individuals and communities are to strike the balance between the health benefits and the economic costs of managing the spread bealth benefits and the economic costs of managing the spread of the virue?. Even in high-income constrine, which tend to be atleast on phone number was available either for a household memdata rich in terms of health and economic information, striking ber or for a reference individual. In Nueria, a national subsample are data poor in terms of reliable and timely information on the through the World Bank Microdata Library" and are comparable spread of SARS-COV-2 and on the neuron and economic impacts of across countries, barea on the template questionnaires and the anti-contagion policies. Our objective is to directly measure, at the phone survey sampling guidelines (see Methods and Supplementary household, adult and child levels, the socioeconomic immacts of the

C ARS-CoV-2 is a major global threat to human health, with our statistical analysis, most of the outcomes we examine arise from 302 million cases and 22 million deaths worldwide' as of 2 survey questions that add directly about how the pandemic and the by governments and international aid organizations regarding how best to mitigate the pensisting effects of the COVID-19 pandemic.

Results

phone surveys conducted in Bhiopia. Malayri, Niceria and Uganda prior to the COVID-19 pandemic. Both pre-COVID-19 face-ta-fac

The pre-COVID-19 LSMS-ISA-supported surveys that serve a surveys include the Ethiopia Socio-economic Survey 2018-2019. Malawi Integrated Household Panel Survey (IHPS) 2019, Nigeria An acute challenge emerging from the global pandemic is how General Household Survey (GHS) Panel 2018/19, and Uganda Seneral Houseness survey (GHS) rated 2018 or supervise National Panel Survey 2028/20. In Ethiopia, Malayi and Uganda, the phone survey attempted to call all LSMS-ISA households for whom was drawn from the set of LSMS-ISA households with phone num hers. The anonymi Information for more information on the sampling frame).

We directly measure the effects of the pandemic on 10,855 hous

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