



COVID-19 Modeling and the Crop Cycle

Prepared May/June 2020 by the Data, Monitoring, and Analytics Team at
USAID/Bureau for Resilience and Food Security (RFS)

Contents

Overview.....	1
Introduction.....	1
Methodology.....	1
The LSHTM Model	1
The GEOGLAM crop calendars	1
Data sources	2
Citation and license	3
Caveats/Notes	3
Country Specific Information	3

Overview

Introduction

The effects of COVID-19 go well beyond the initial acute health impacts into prolonged repercussions on the economy, employment, poverty levels, safe water access, food security status, crop production, and much more. In this analysis, we looked at whether projections of COVID-19 case totals in low-and-middle-income countries (LMICs) overlapped with key phases in the crop production cycle to understand where, when, and on which important crops COVID-19 could take a toll. From this work, we can better inform our thinking on where to focus on Feed the Future programming, estimate which areas will be hit hardest next, and whether COVID-19 impacts will affect crops that are significant food sources, income generators, or both. Combined with data on the demographics of value chain actors involved in each affected crop, we could also see whether the impacts are projected to disproportionately impact women, smallholder farmers, small businesses, and other already-marginalized groups.

Methodology

We began with time series projections of COVID-19 case totals from a model developed by the Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM), and overlaid those data with the calendar/timing of phases of the crop cycles in various countries from the Crop Monitor initiative of the Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM) to observe if peaks in the number of cases for a country were projected to occur at the same time as a key phase in the cycle of production for crops important to that country.

The LSHTM model

- This model provides simulation-based estimates for COVID-19 epidemic scenarios in many low-and-middle-income countries. The model starts with the date a country reached 50 active infections (i.e. "Day 0"), and then projects the totals of several variables (cases, deaths, hospitalizations, etc.) each day over time for an 'unmitigated' scenario (i.e. the country takes no action to contain COVID-19 spread), as well as in ten different COVID-19 containment strategies involving social distancing, shielding, lockdowns, or combined approaches. The projections estimate how different containment strategies could have different outcomes on the spread and intensity of the disease in a country.
- While you can see the full results and more granularity of the LSHTM research for each country here, the line graphs in this document utilize a loess smoothing function over a 10% window to plot the model's projections for each country's case totals across time for the eleven scenarios (unmitigated plus ten containment strategies) for all age groups combined.
- 'Day 0' in the LSHTM model is defined as the date the country has 50 active infections. Note that this is different from the date the country reaches 50 total (cumulative) infections. While the true date of 'Day 0' is unknown, the model estimates this date for each country by looking at reported cases and adjusting that number based on a few factors, including:
 - An estimate of the difference between the number of actual infections and the number of reported cases (not all infections are reported);
 - An estimate of what portion of cases are asymptomatic (since many cases, especially in young people, may be asymptomatic and thus not ever reported/tested/known to the medical community);
 - An estimate of the delay between initial infection to onset of symptoms, and then the lag between onset of symptoms to accessing a test and getting results to be counted as a 'confirmed case'.
 - Note: some countries do not yet meet the criteria of having had a 'Day 0' (i.e., a day with 50 active infections).

Refer to the LSHTM link below for more details on the model, including the definition of the different scenarios and methodologies for determining transmission rates, etc.

The GEOGLAM crop calendars

- For each country, the timing of crop production phases was plotted for significant staple crops, and for each sub-national area where production occurs in a country. In the case of multiple crop seasons such as maize 1 and maize 2, the more significant season in terms of total production will be labeled as the first crop, e.g. maize 1.
- The phases of the crop production cycle reflected in this analysis were defined as:
 - Planting: Start of Planting through the Early Vegetative stage
 - Idle (represents the dormancy stage of winter wheat where applicable)
 - Vegetative: Start of Vegetative period through the Reproductive period (Period of peak weeding)
 - Harvest: Ripening through Harvest
- For the crop calendars displayed in this document, each sub-national area is represented where the timing of the crop production cycle differs. In cases where crop cycles followed the same timing throughout the country, only one crop calendar is shown for that country.

Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/t�pics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.

- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

Citation and license

To cite this work, please use:

- USAID / Bureau for Resilience and Food Security, Data, Monitoring, and Analytics Team. “COVID-19 Modeling and the Crop Cycle”. 2020. With data from the London School of Hygiene & Tropical Medicine Centre for the Mathematical Modelling of Infectious Diseases (LSHTM/CMMID) and from the Crop Monitor Initiative of the Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM). https://paultanger.github.io/COVID_LIC/. Accessed 24 June 2020, 09:25:53 MDT.

This work is licensed under a Creative Commons Attribution 4.0 International License.

Caveats/Notes

- These are projections based on a model with documented assumptions. That model will be updated as the LSHTM gathers more information, as noted here.
- As noted above, the ‘Day 0’ used for the graphs here is an estimation of when a country reached a date with 50 active infections.
- The quality of COVID-19-related data that is available for LMICs is variable and this likely impacts the accuracy of modeling.
- A number of COVID-19 modeling efforts are underway. The use of the LSHTM modeling for this analysis does not imply USAID endorsement of this approach over others.
- The crop calendars do not include all crops grown in the country, nor all those that are important as a food source or for income generation.

Country specific information

How to read the analysis

Below, each country’s analysis contains:

1. a graph of the LSHTM projections of COVID-19 case totals over times (all age groups combined) for an unmitigated scenario plus ten disease containment scenarios (see explanation below);
2. a crop calendar showing when the crop production phases of key staple crops occur throughout the year (with multiple crop calendars in cases where variation in timing occurs);
3. a map of the country, with the sub-national area highlighted in cases where there are multiple crop calendars per country (due to variation in timing by area);
4. a legend listing the different containment scenarios included in the LSHTM model.

Scenario descriptions

In the LSHTM model, the researchers identify an unmitigated scenario (i.e. the government takes no action to contain the spread of COVID-19), as well as a variety of different containment scenarios. They model the impacts and timing of the spread of COVID-19 for each scenario, as a way to estimate which approach could have the largest impact on reducing and/or delaying the cases, deaths, and other effects of COVID-19.

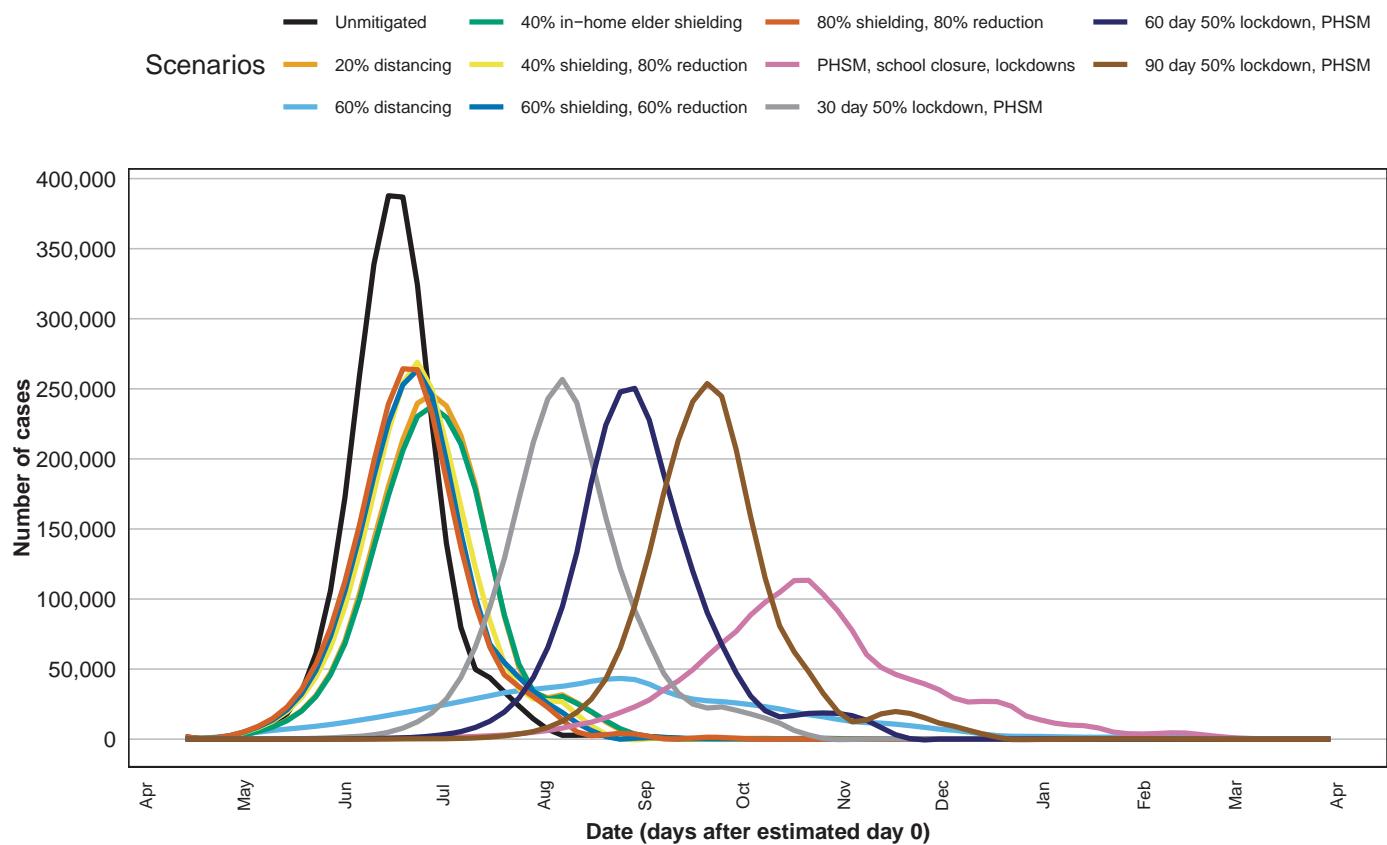
The ten containment scenarios involve social distancing, shielding, and/or a combination of these strategies. The different strategies and selected scenarios are described below:

- Greenzone shielding (GZ) was implemented in the model by stratifying the population in one shielded and one unshielded compartment. The GZ applies to those aged 60+ years. We assume shielding of this population has a coverage fraction, and reduction fraction; we refer to GZ interventions by coverage / reduction, so “80C80R shielding” is 80% coverage with 80% contact reduction to the shielded group.
- Basic Public Health & Social Measures (PHSM) was implemented as a 20% reduction in general contacts outside the home and a 25% reduction in transmission from symptomatic individuals corresponding to symptomatic people being encouraged to self isolate.

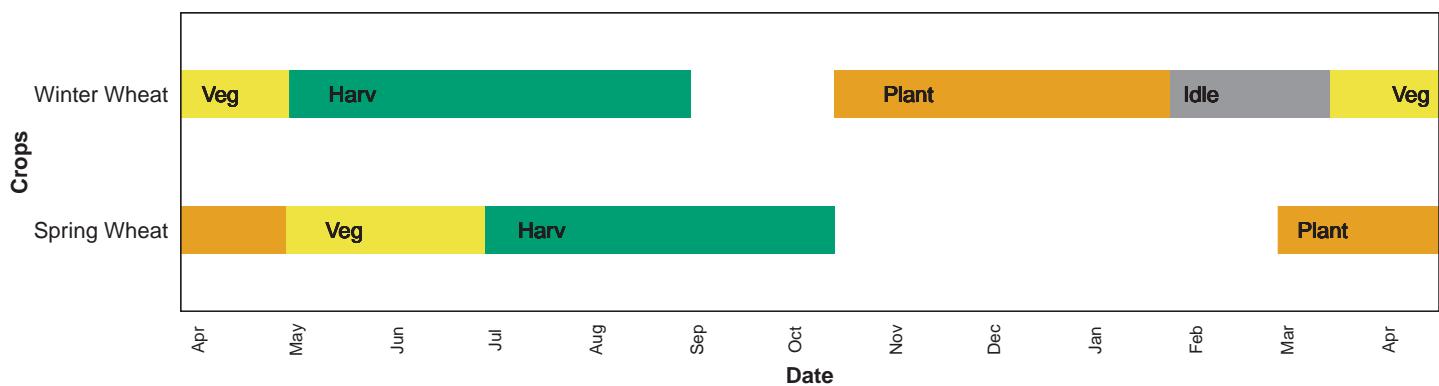
Scenario Abbreviation	Scenario Name	Scenario Description
Unmitigated	Unmitigated	No restrictions, business as usual
20% distancing	20% distancing	20% of population social distancing
60% distancing	60% distancing	60% of population social distancing
40% in-home	40% in-home elder shielding	40% of elder population shielding
40C-80R GZ	40% shielding, 80% reduction	40% of elder population shielding, with 80% reduction in contacts for this group
60C-60R GZ	60% shielding, 60% reduction	60% of elder population shielding, with 60% reduction in contacts for this group
80C-80R GZ	80% shielding, 80% reduction	80% of elder population shielding, with 80% reduction in contacts for this group
basic PHSM	PHSM, school closure, lockdowns	Basic Public Health & Social Measures (PHSM), school closure, intermittent +40% lockdown
30 day 50%	30 day 50% lockdown, PHSM	30 day 50% lockdown then basic PHSM as described above
60 day 50%	60 day 50% lockdown, PHSM	60 day 50% lockdown then basic PHSM as described above
90 day 50%	90 day 50% lockdown, PHSM	90 day 50% lockdown then basic PHSM as described above

Afghanistan

Afghanistan cases over time



Afghanistan



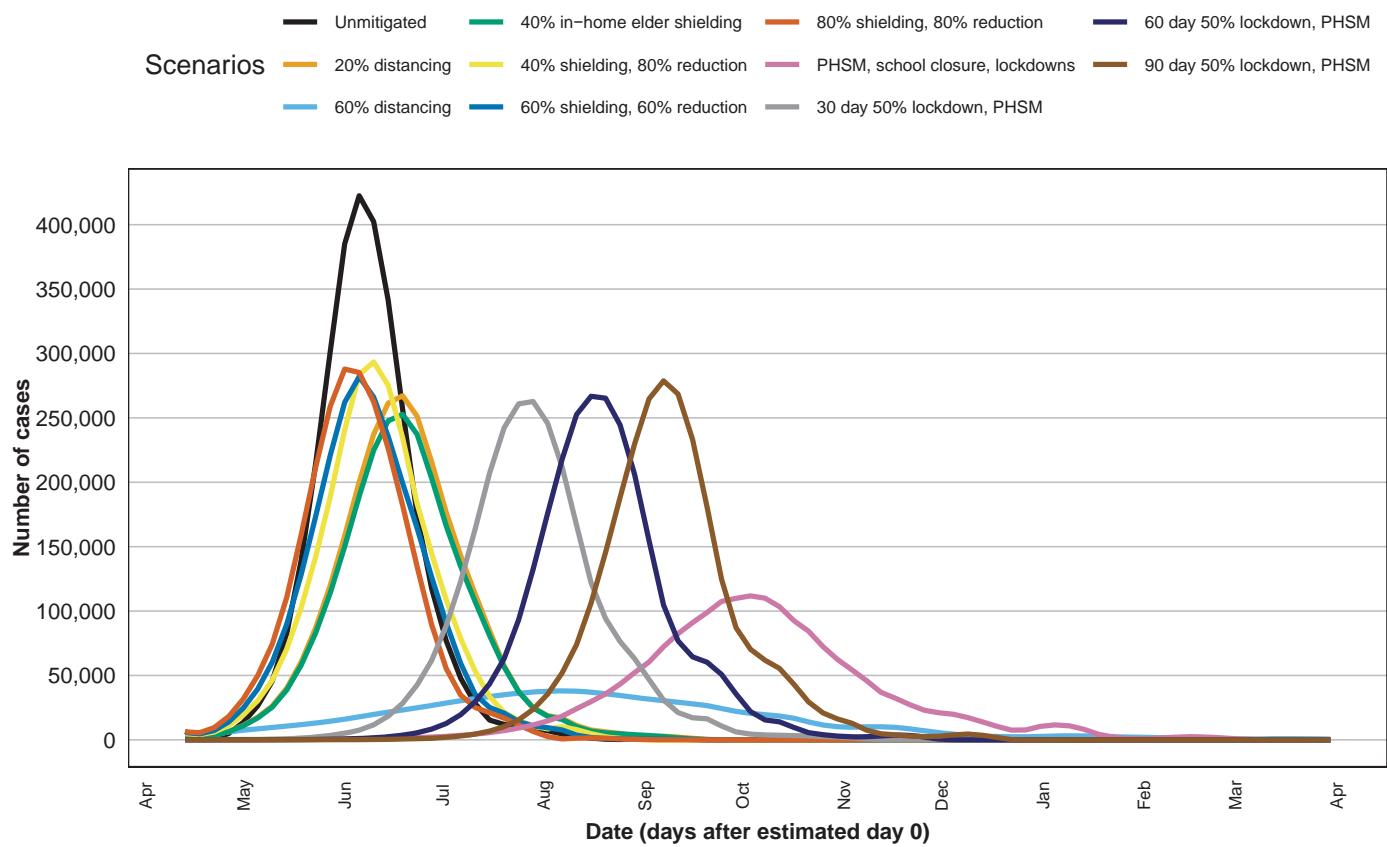
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

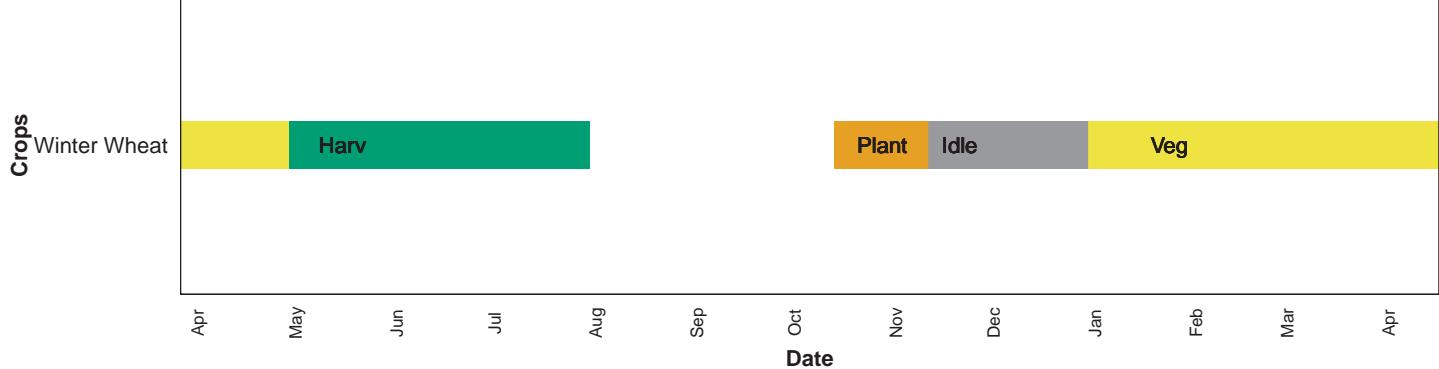


Algeria

Algeria cases over time



Algeria



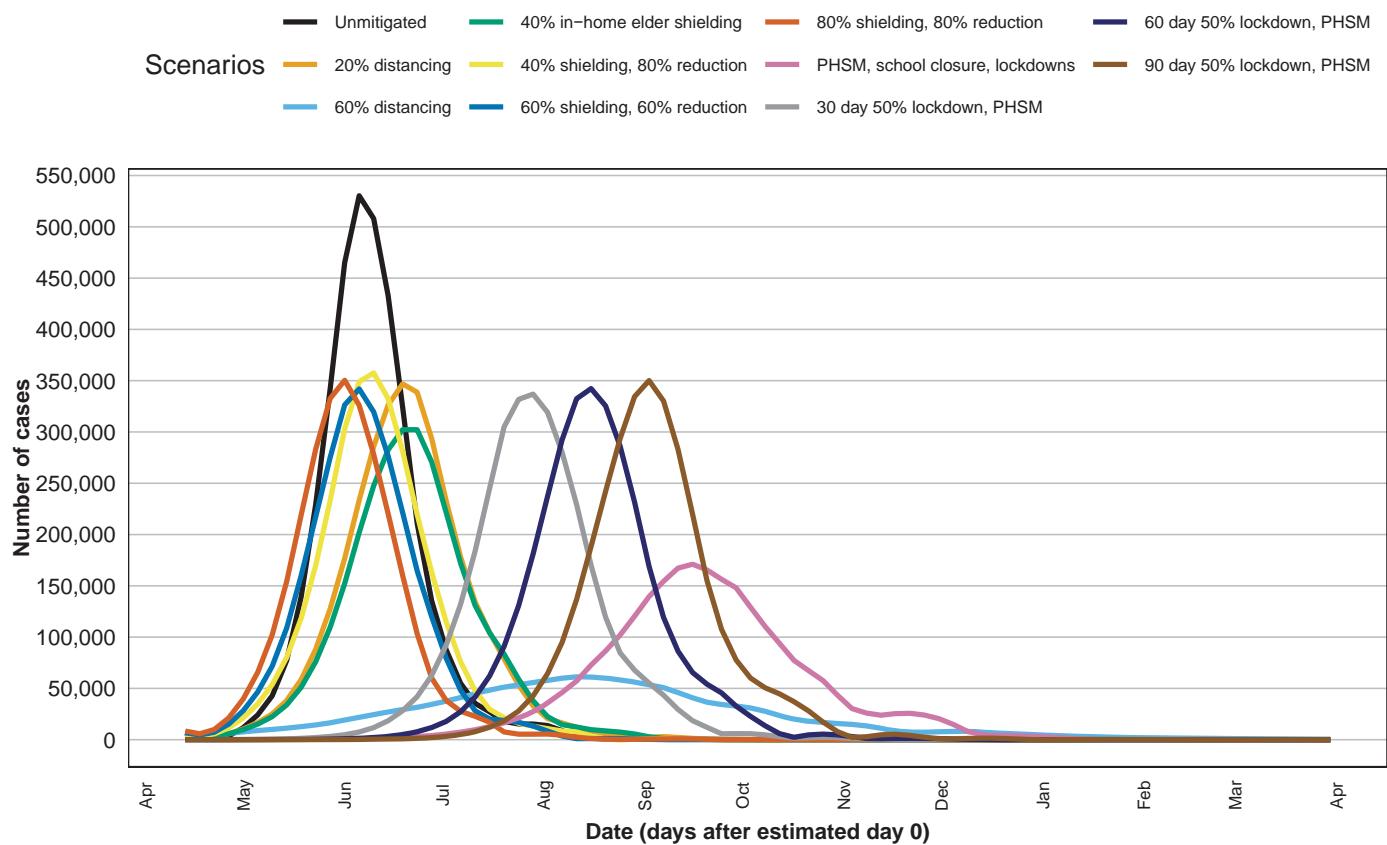
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

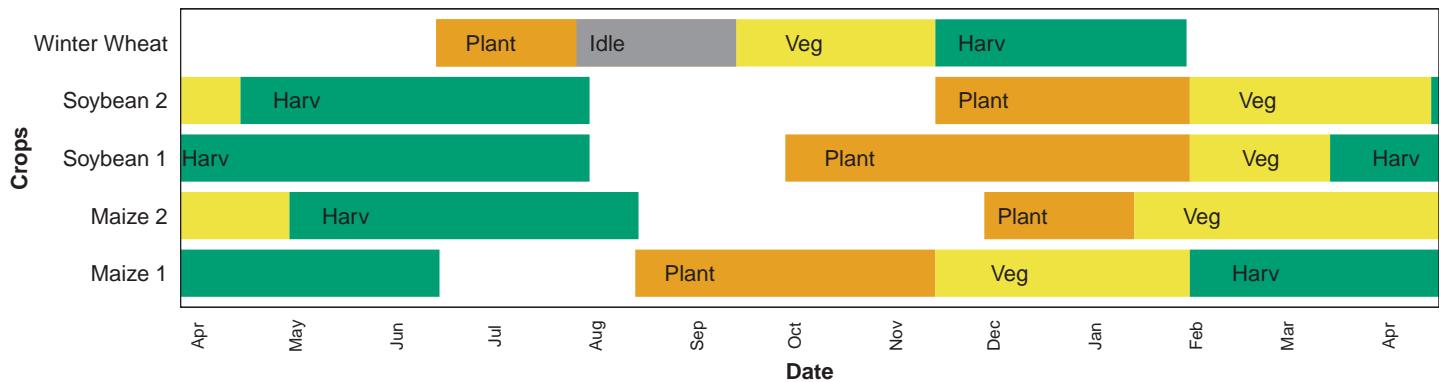


Argentina

Argentina cases over time



Argentina Buenos Aires



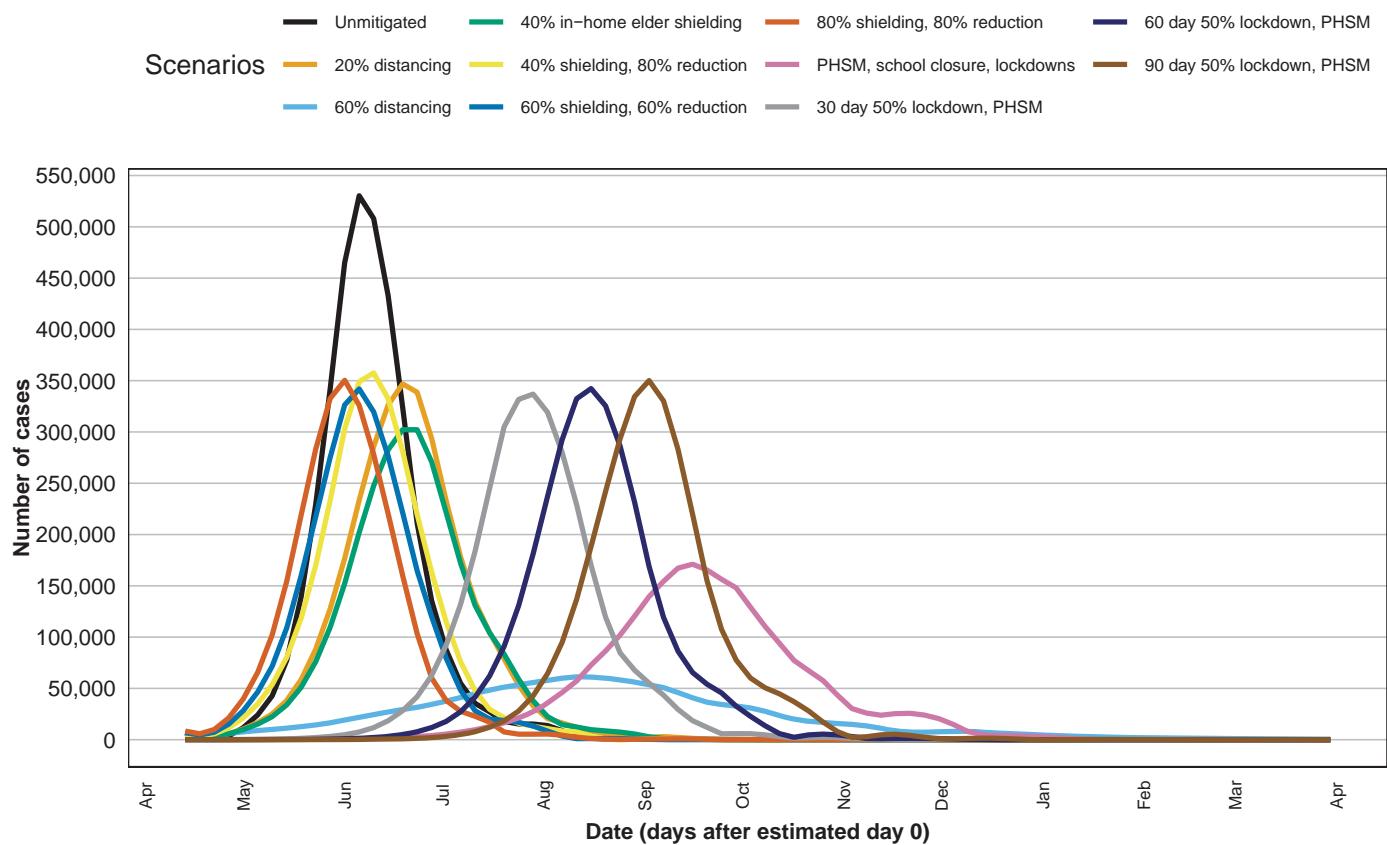
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

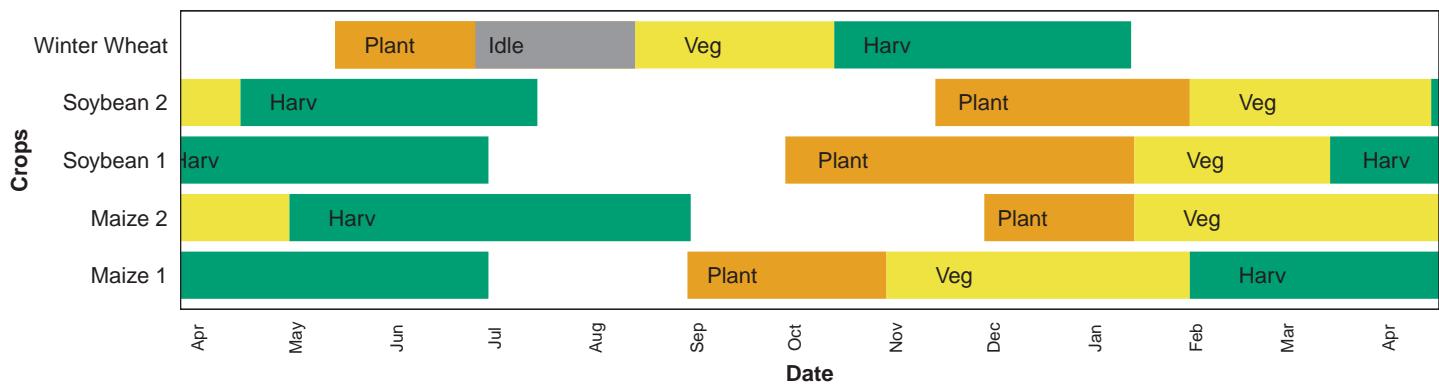


Argentina

Argentina cases over time



Argentina Cordoba



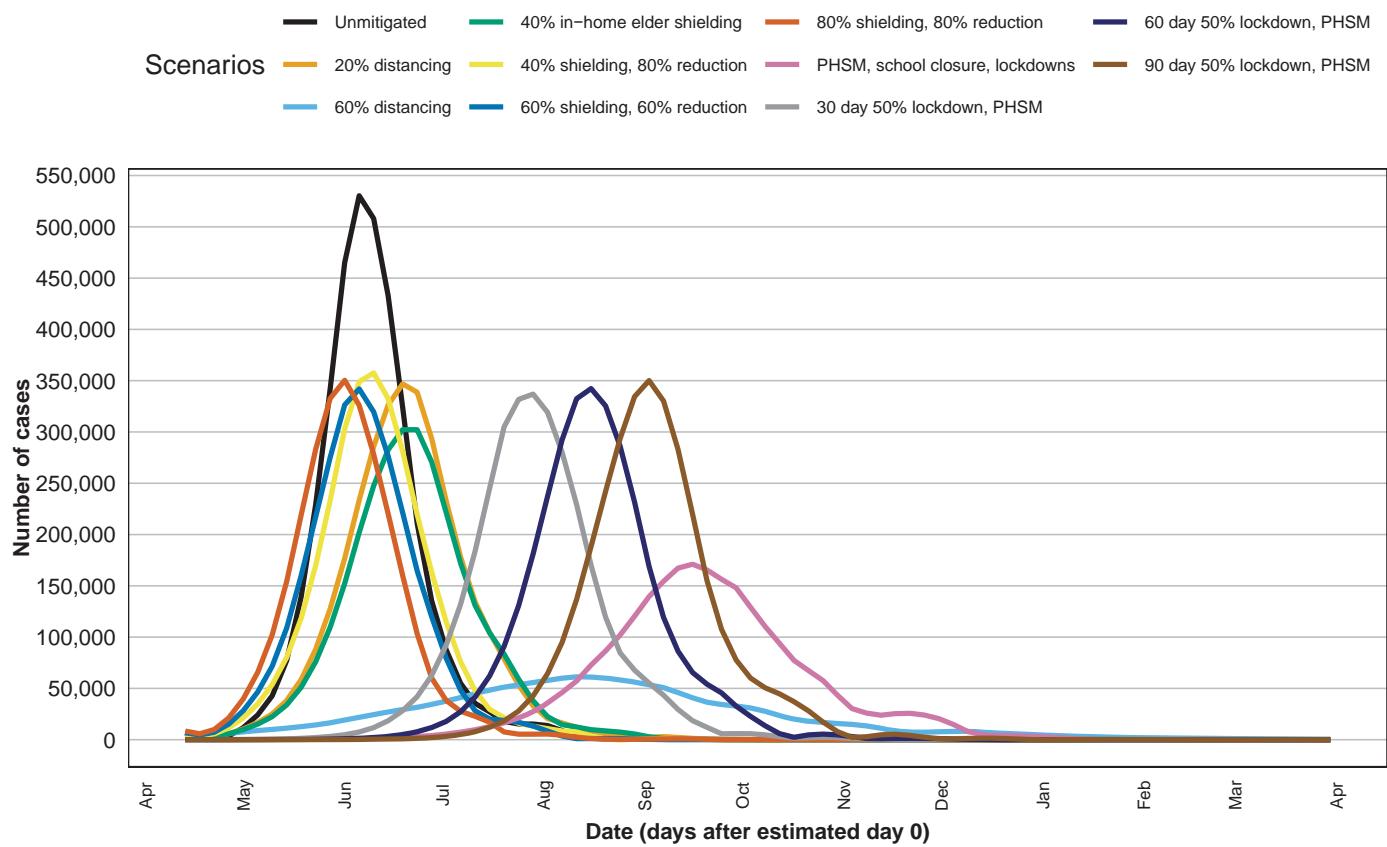
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

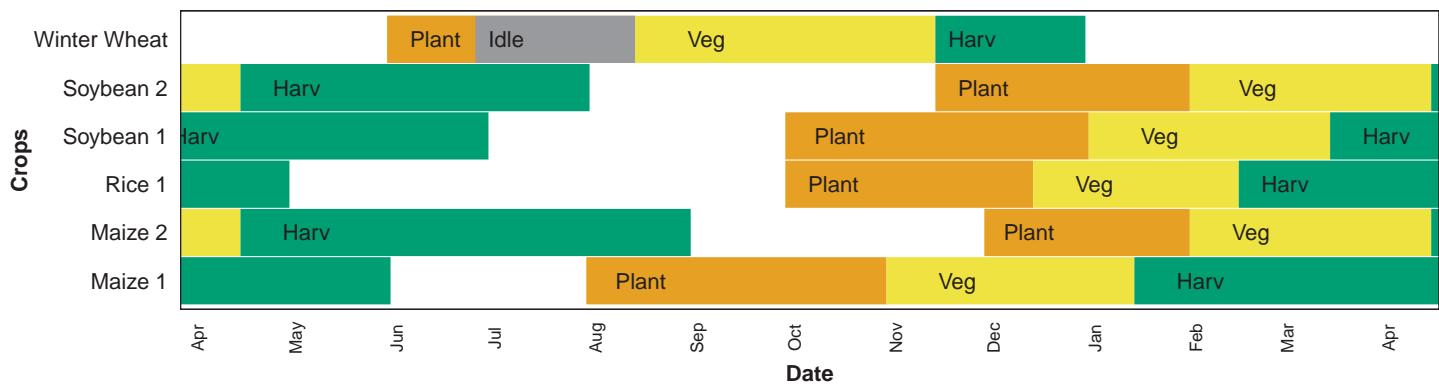


Argentina

Argentina cases over time



Argentina Entre Ríos



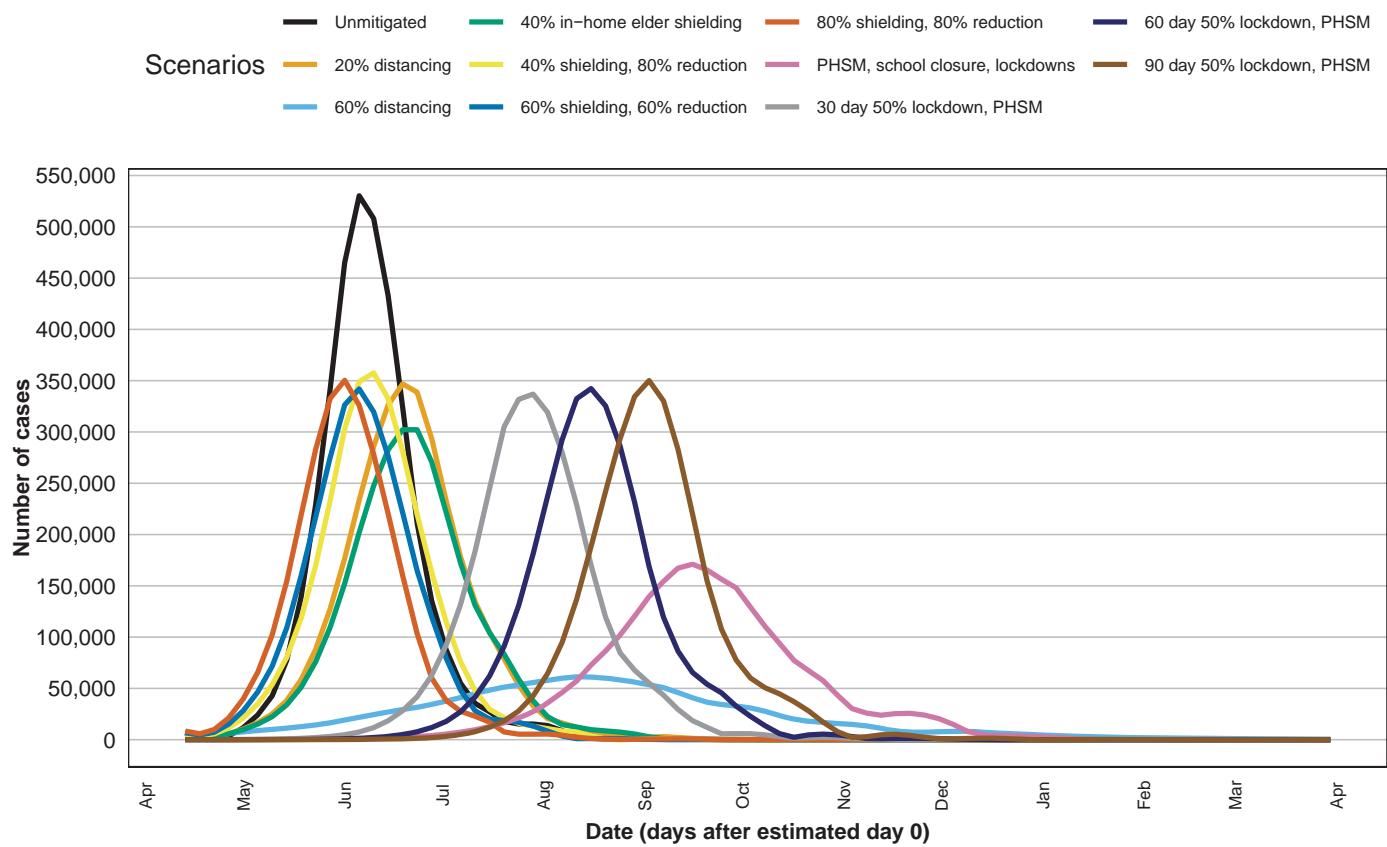
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

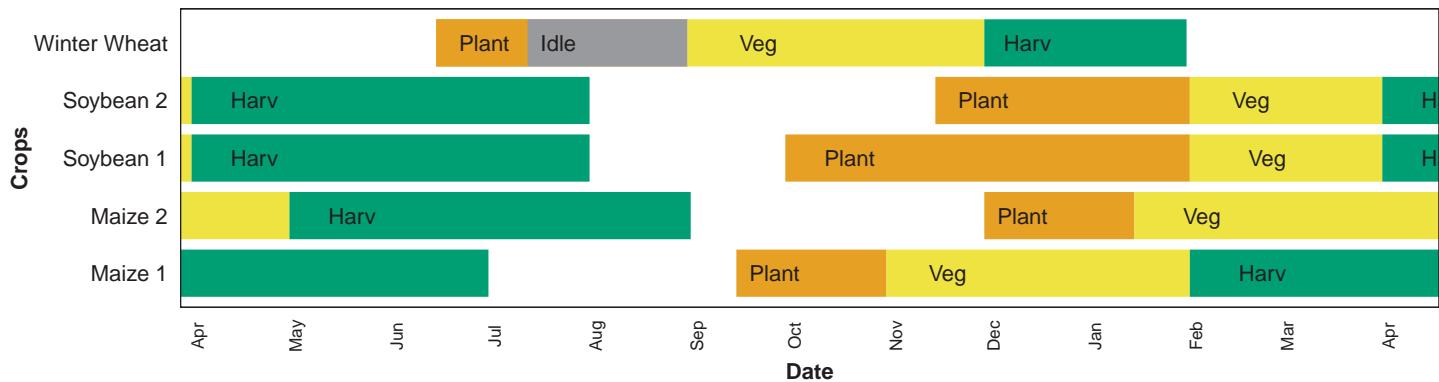


Argentina

Argentina cases over time



Argentina La Pampa



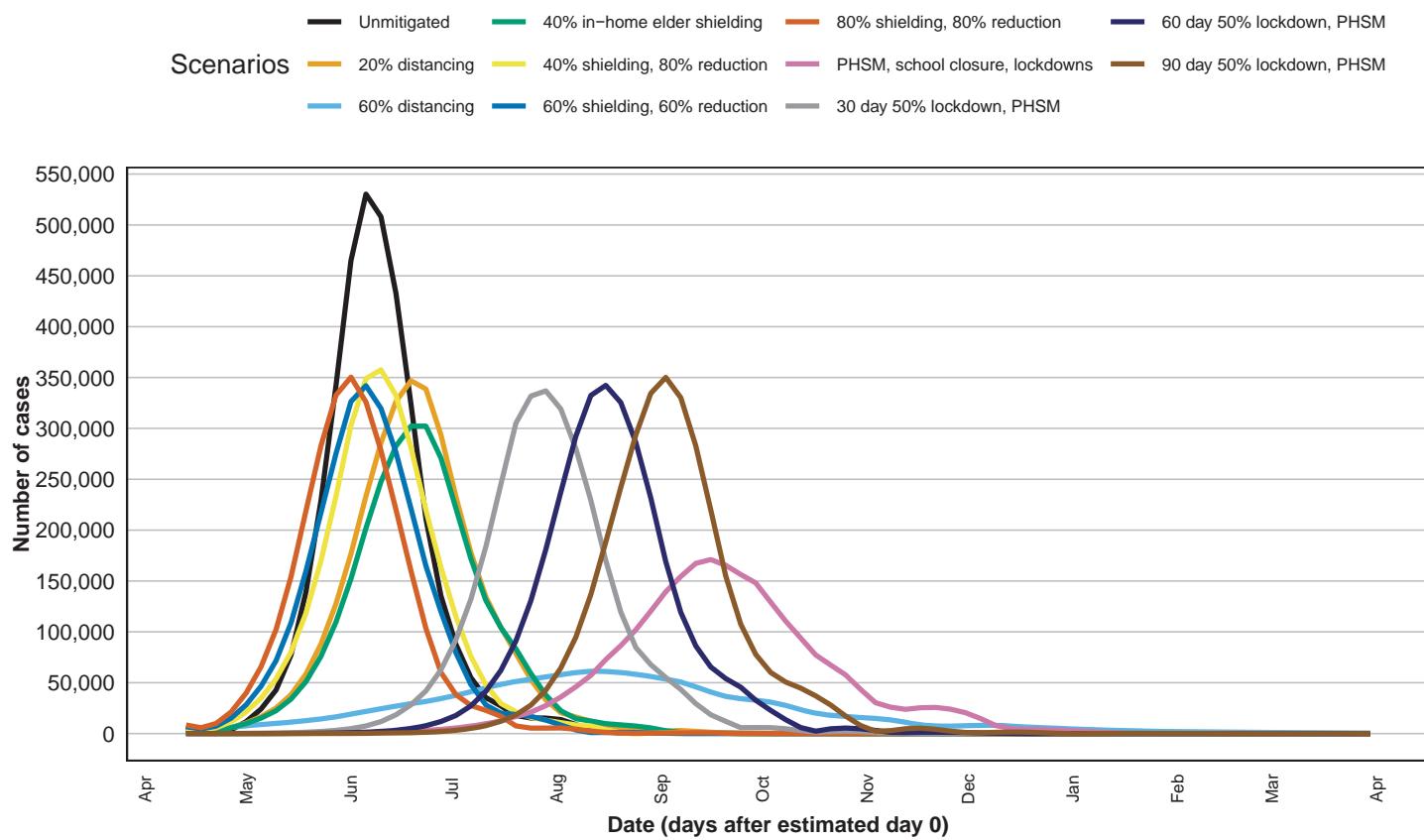
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

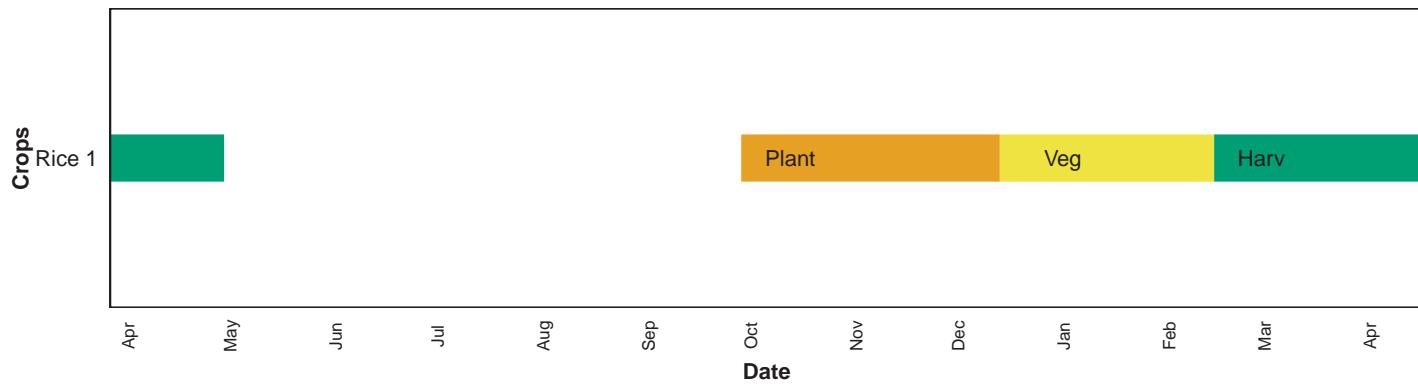


Argentina

Argentina cases over time



Argentina Northeast



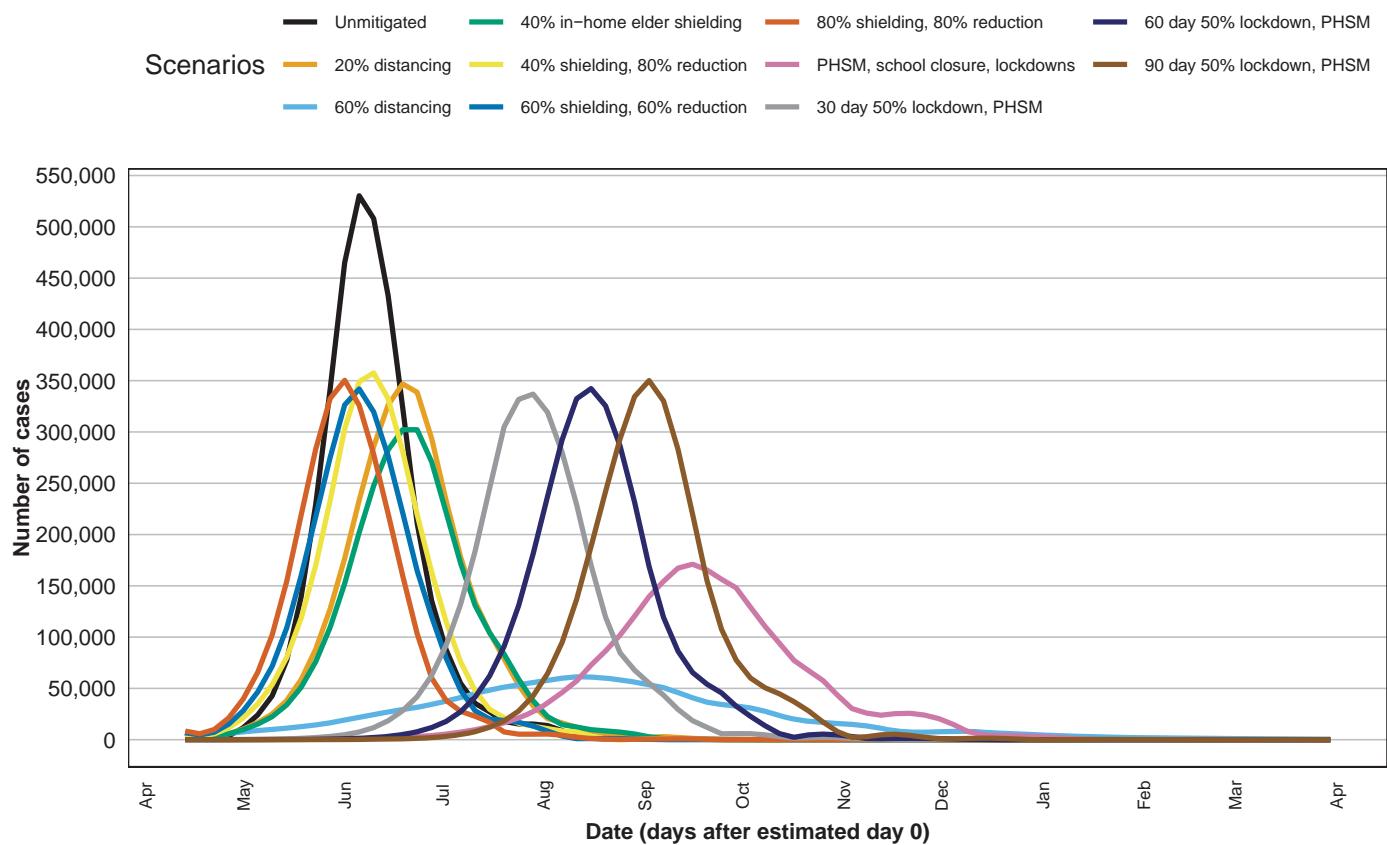
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

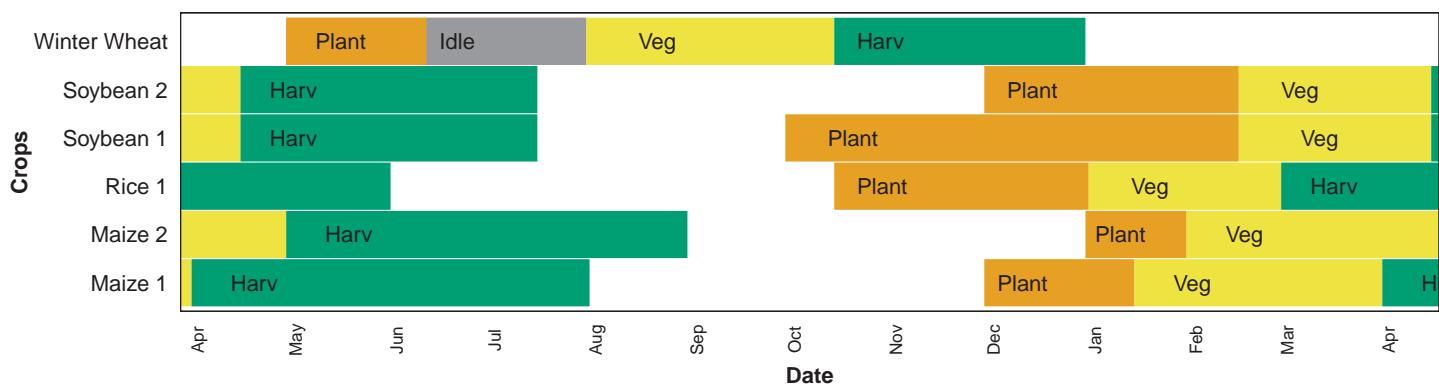


Argentina

Argentina cases over time



Argentina Northern



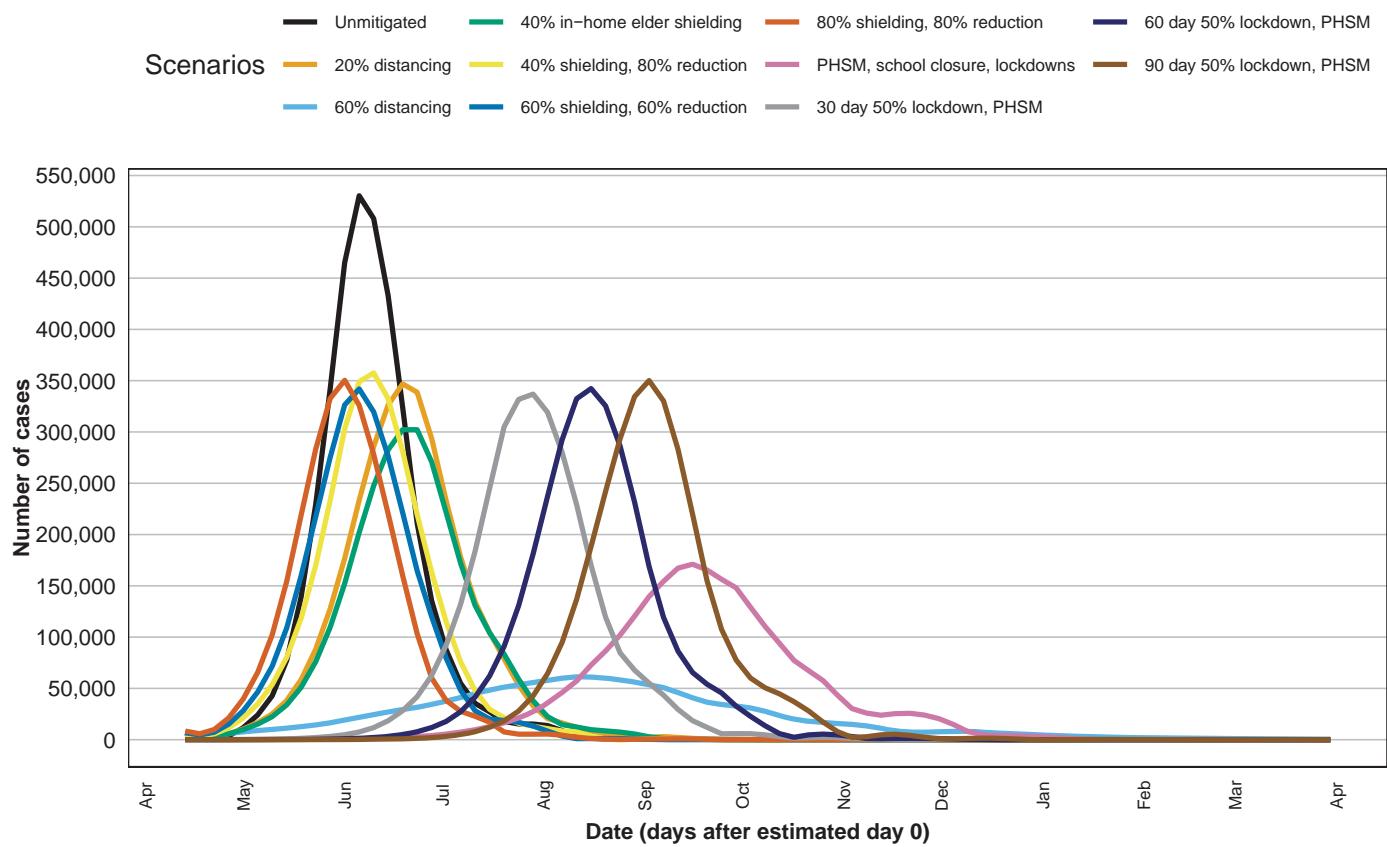
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

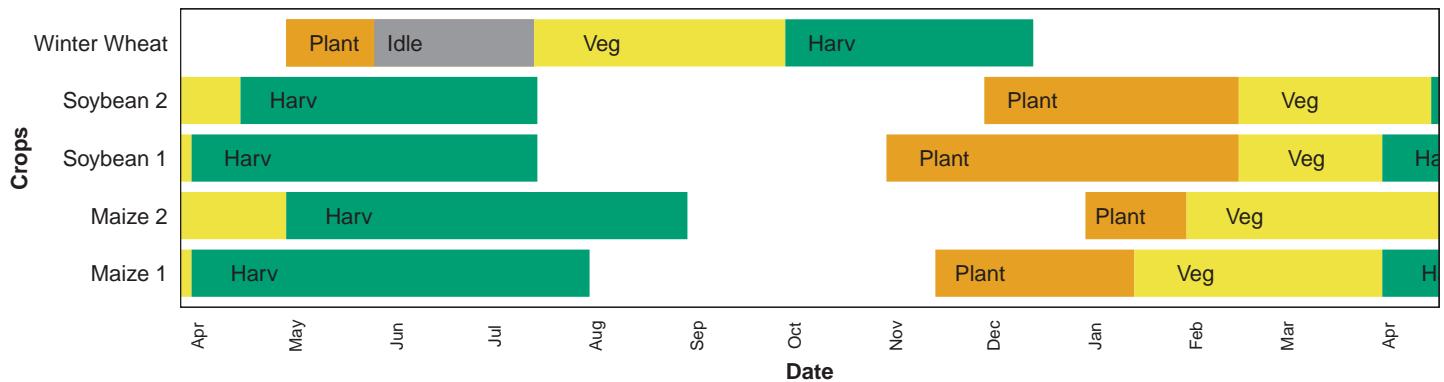


Argentina

Argentina cases over time



Argentina Northwest



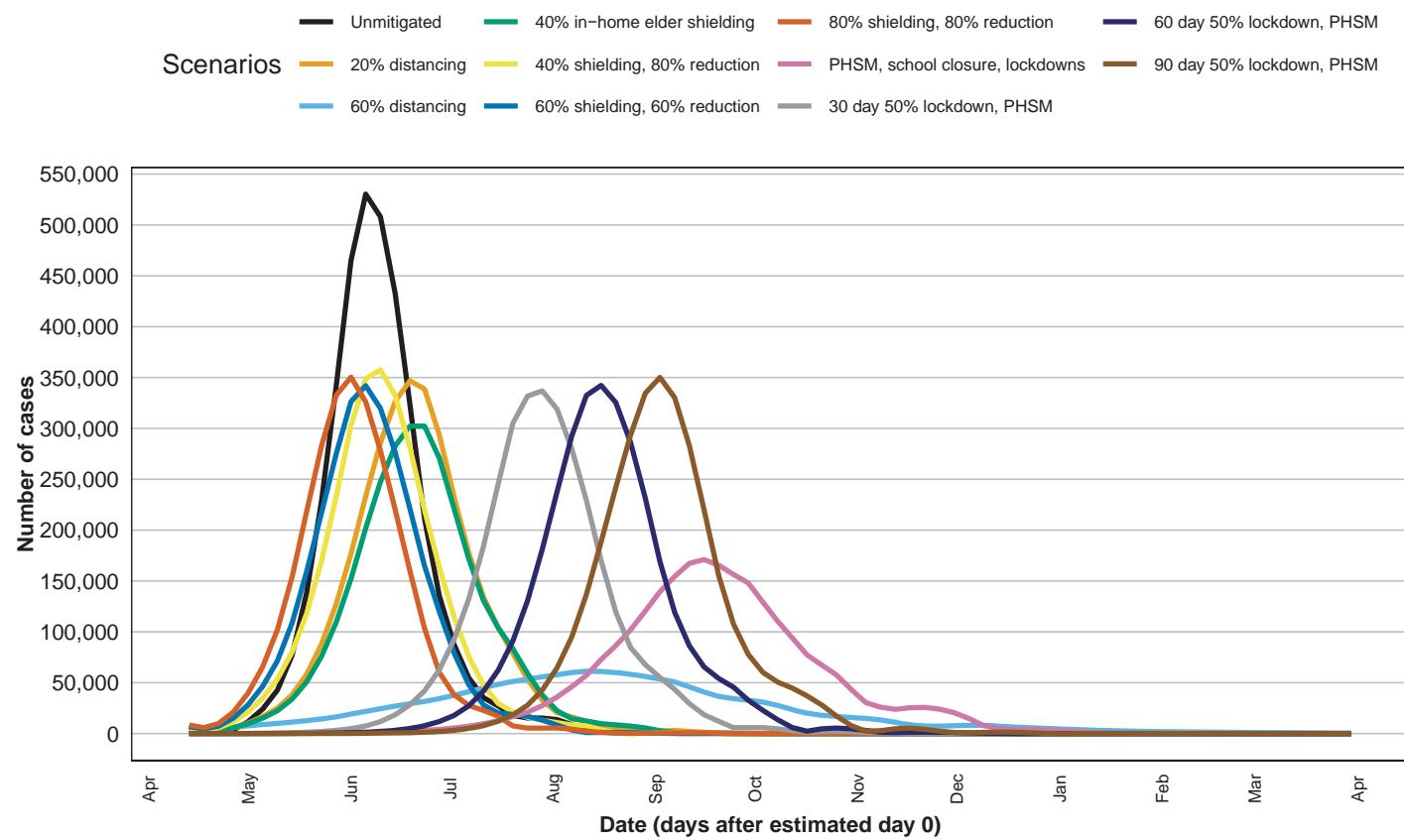
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

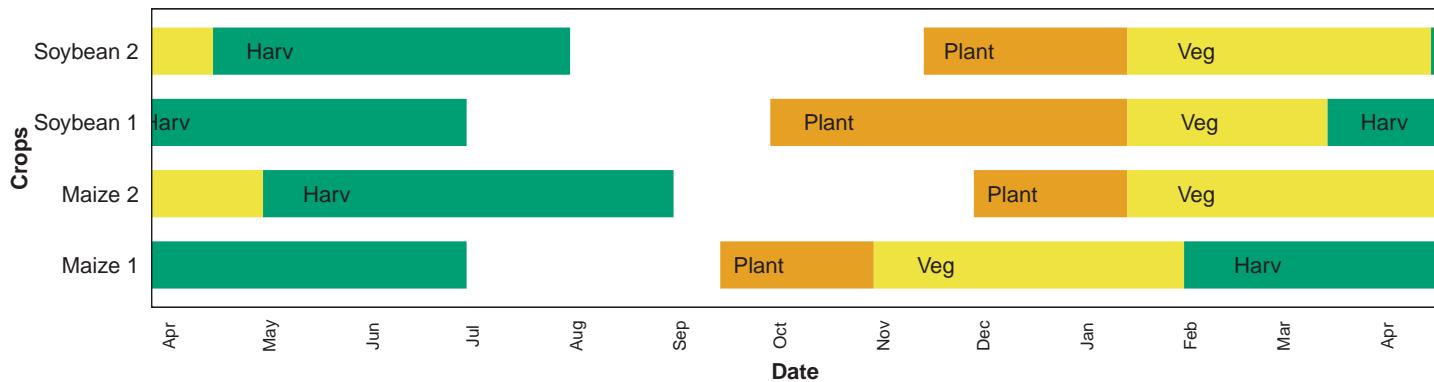


Argentina

Argentina cases over time



Argentina San Luis



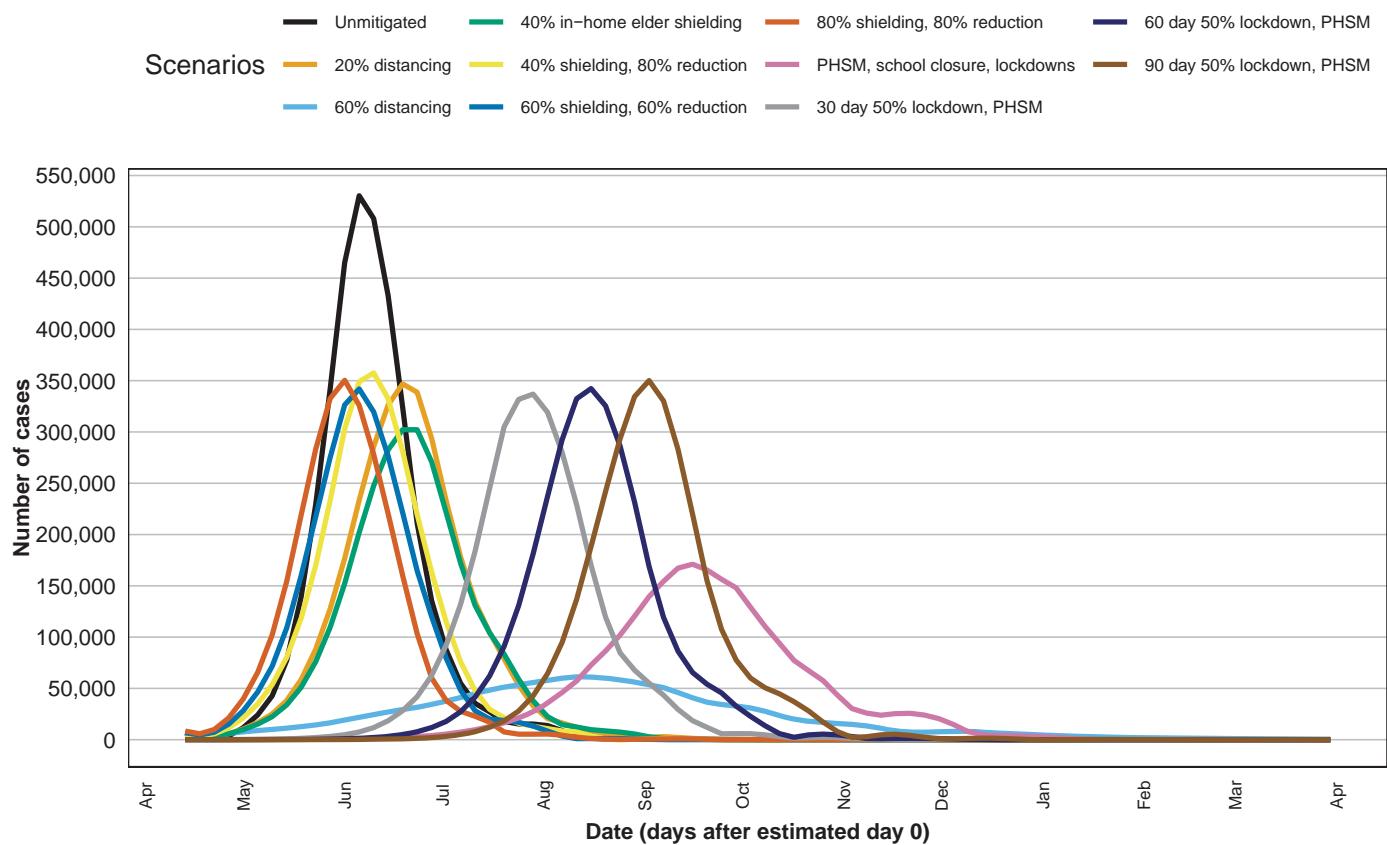
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

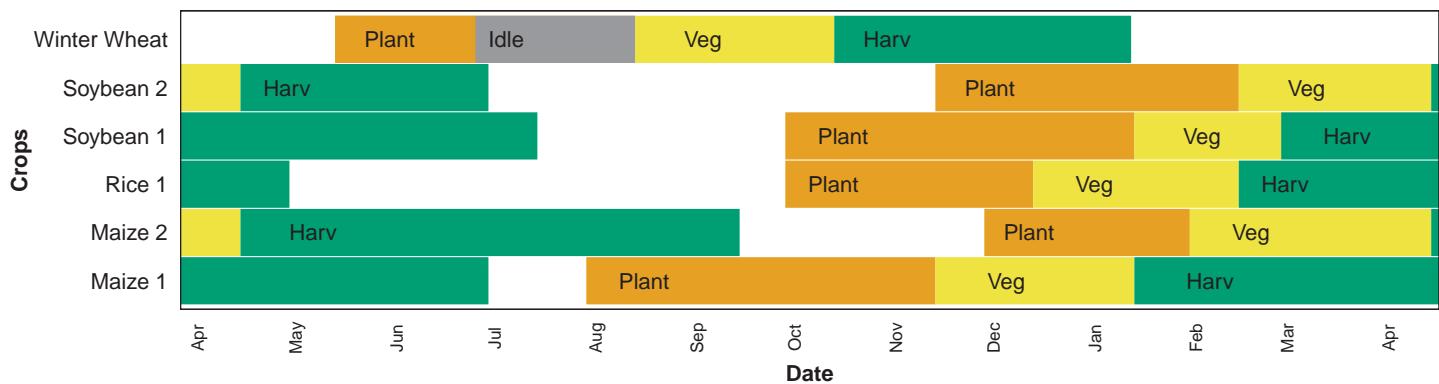


Argentina

Argentina cases over time



Argentina Santa Fe



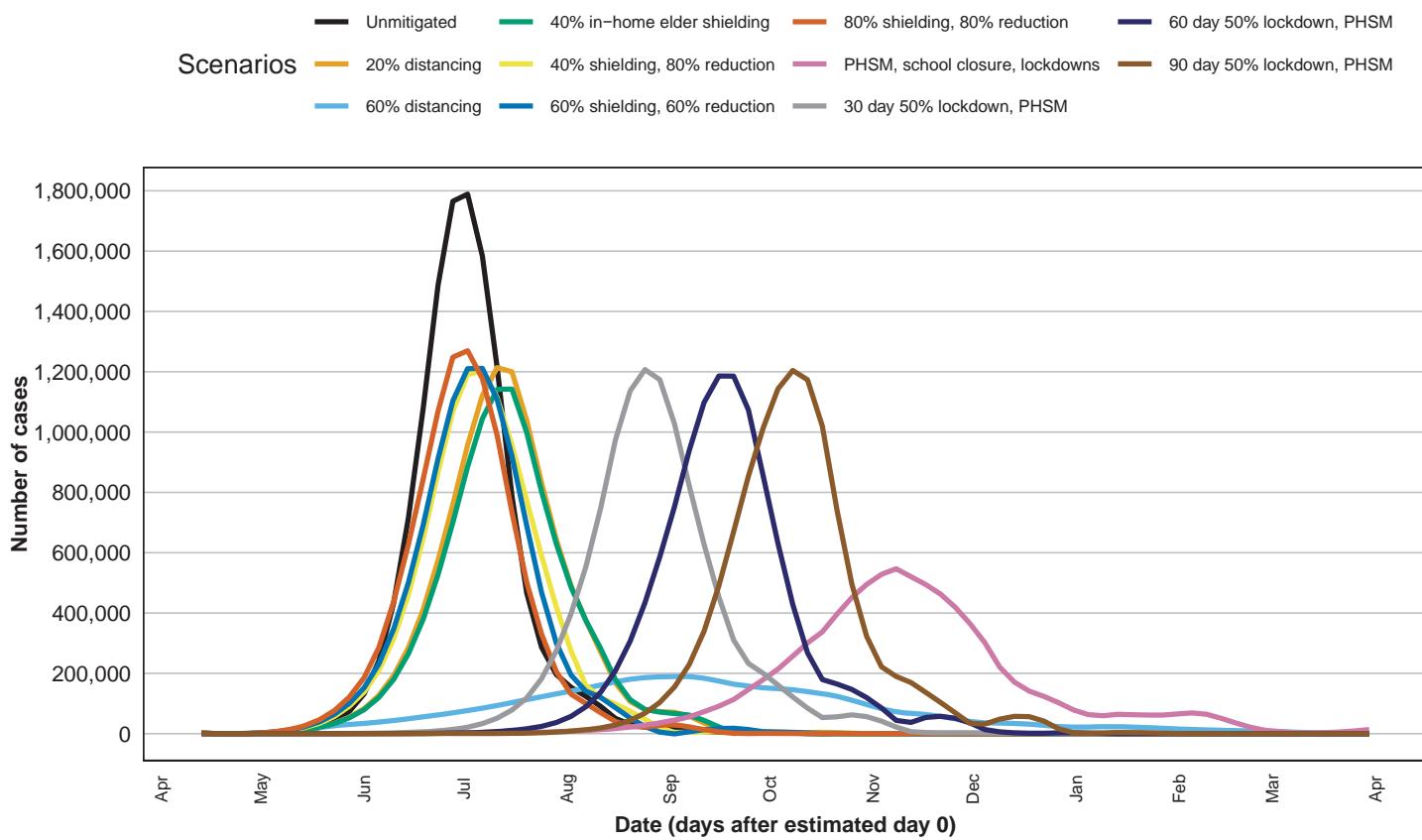
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

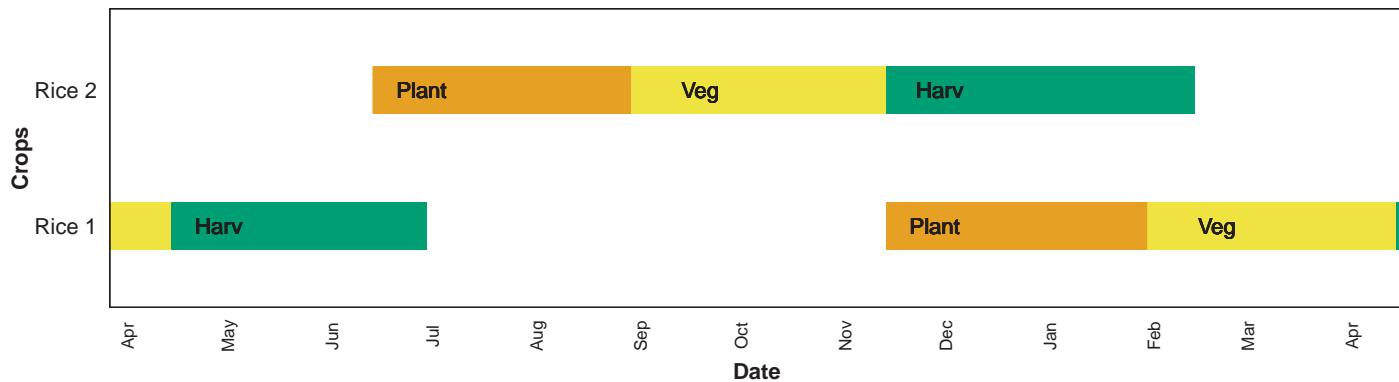


Bangladesh

Bangladesh cases over time



Bangladesh



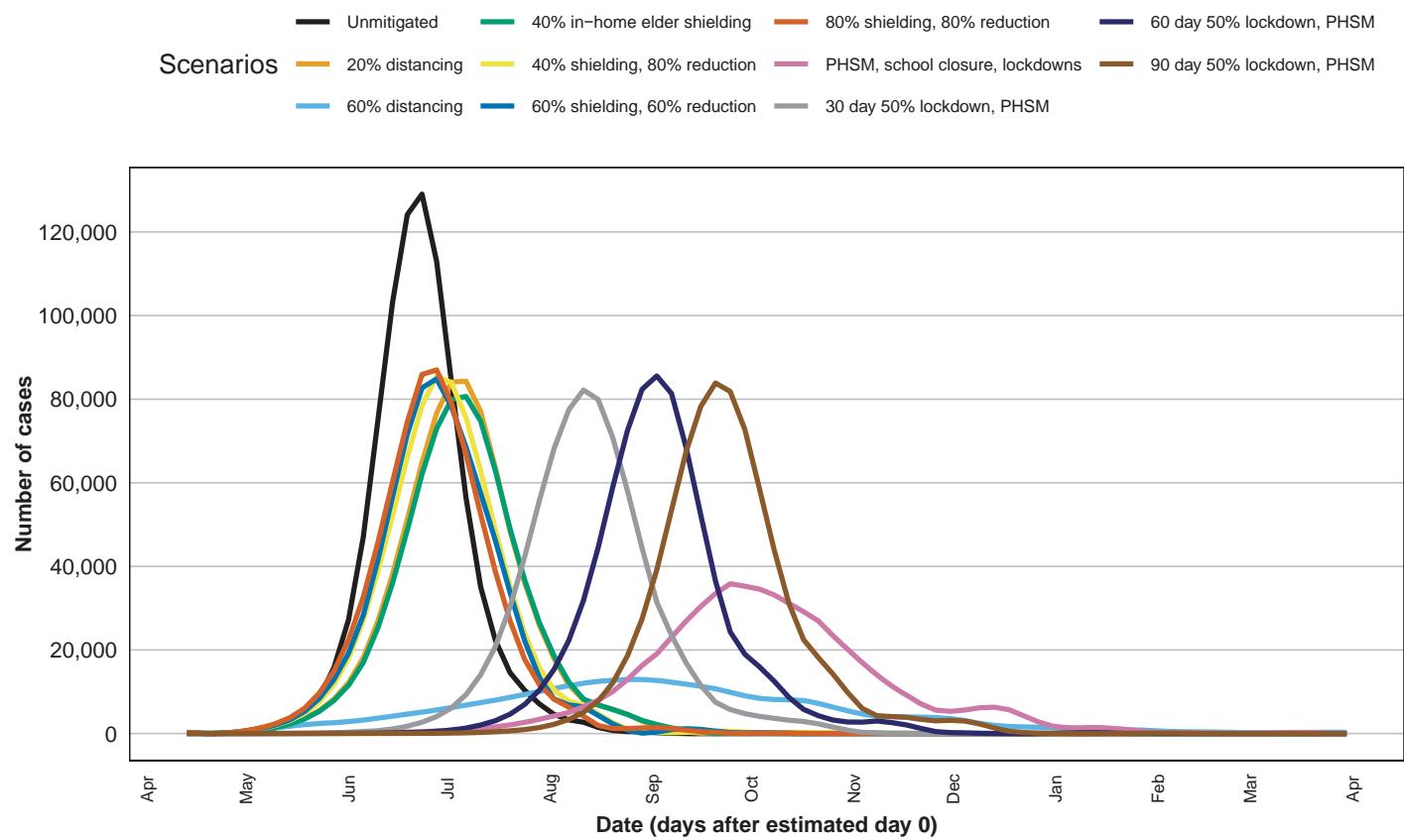
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

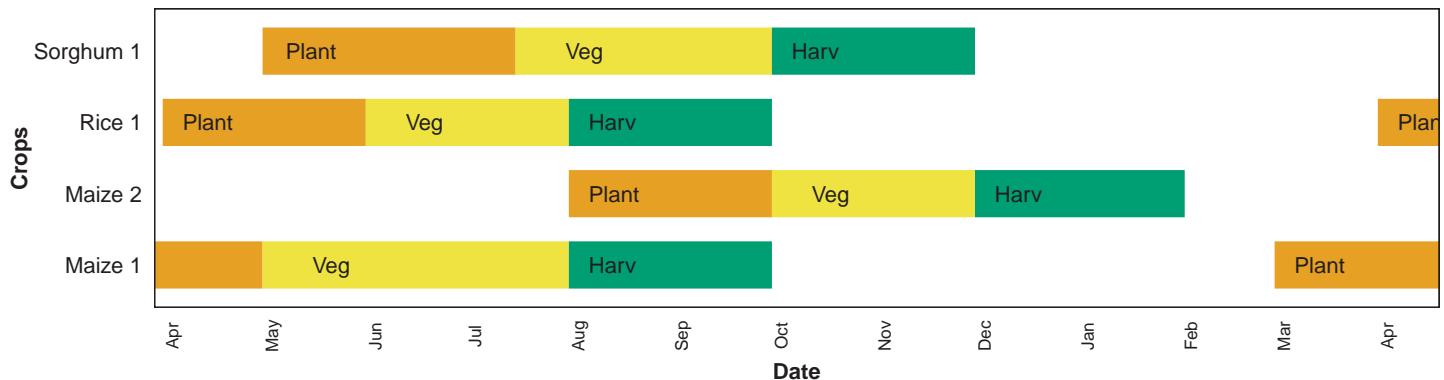


Benin

Benin cases over time



Benin Central



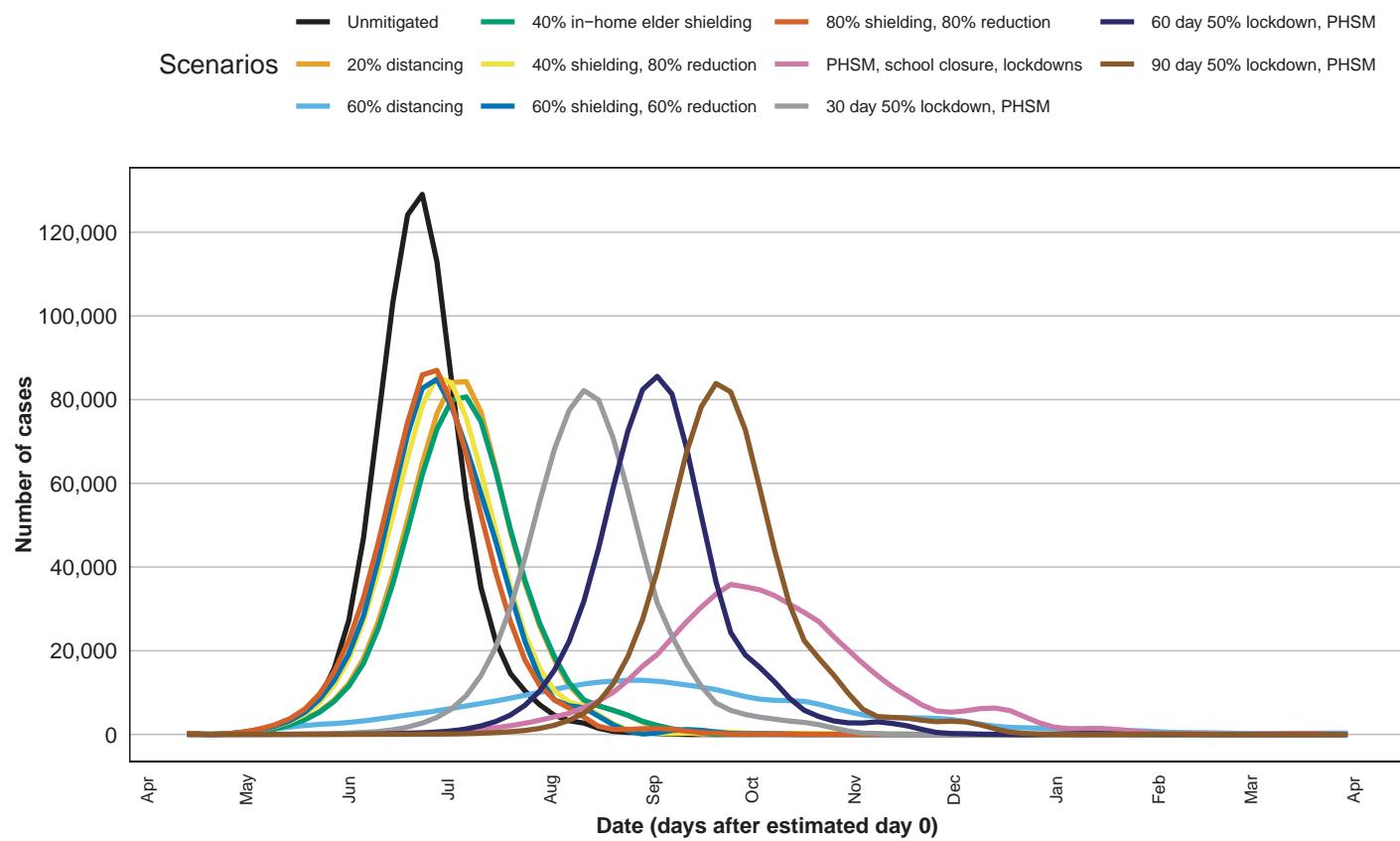
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

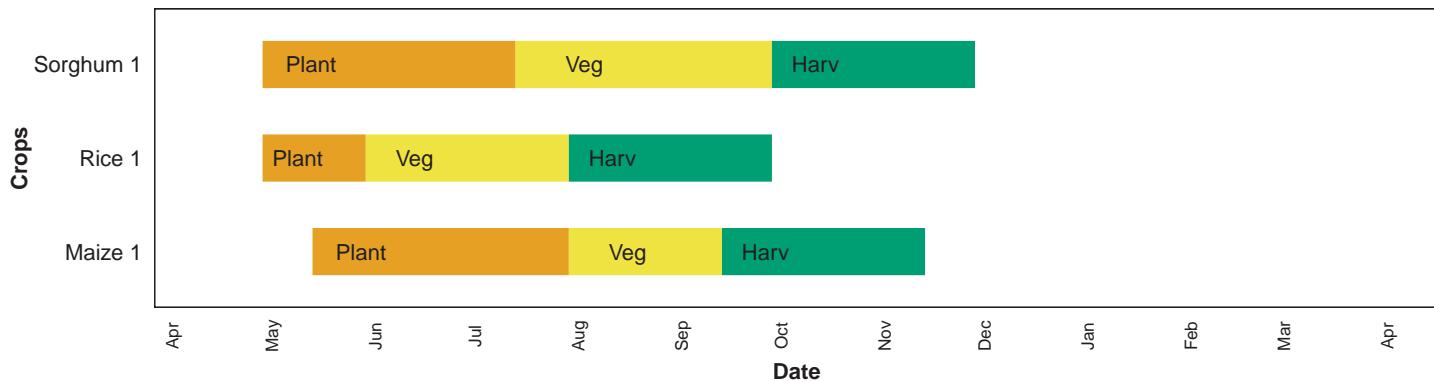


Benin

Benin cases over time



Benin North



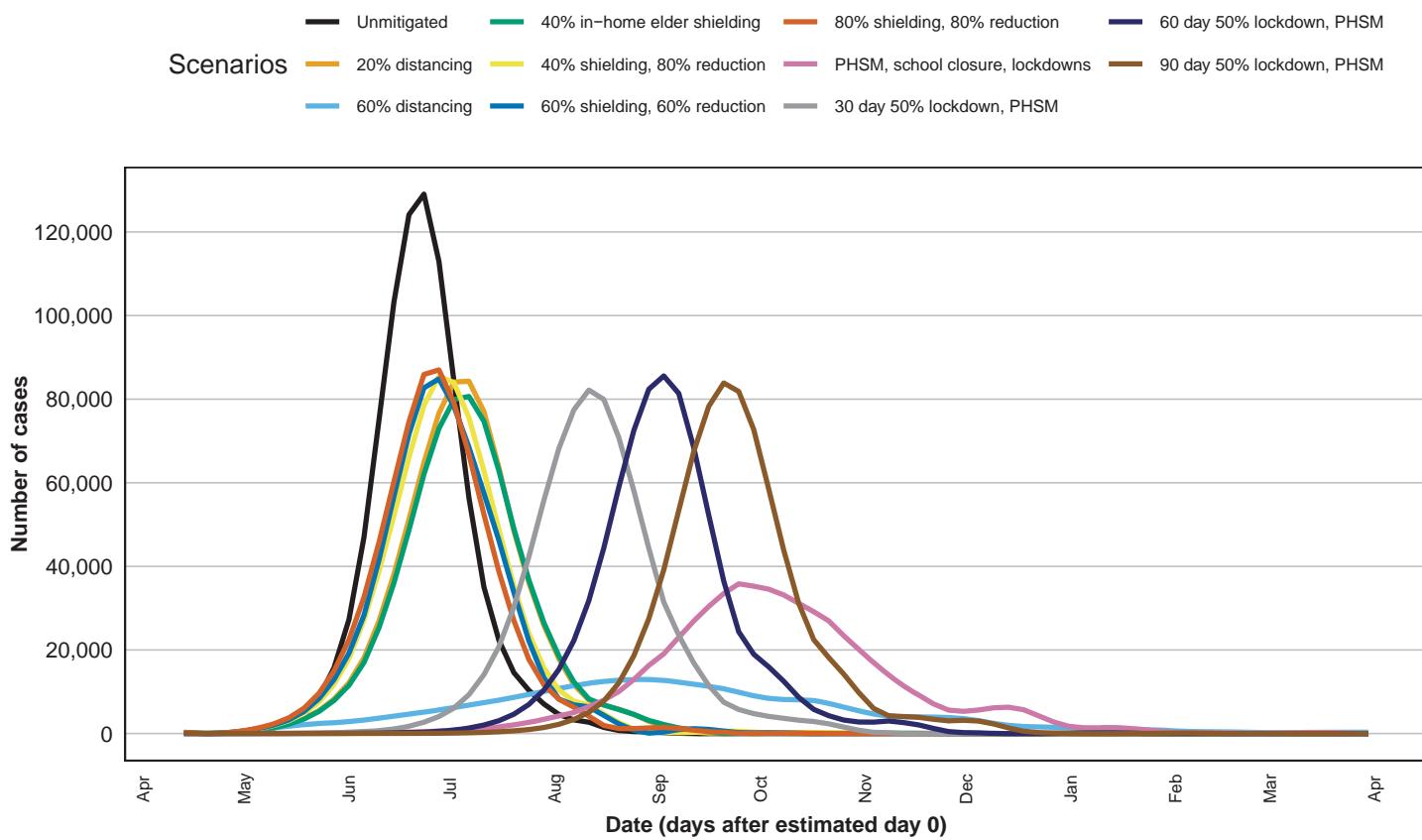
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

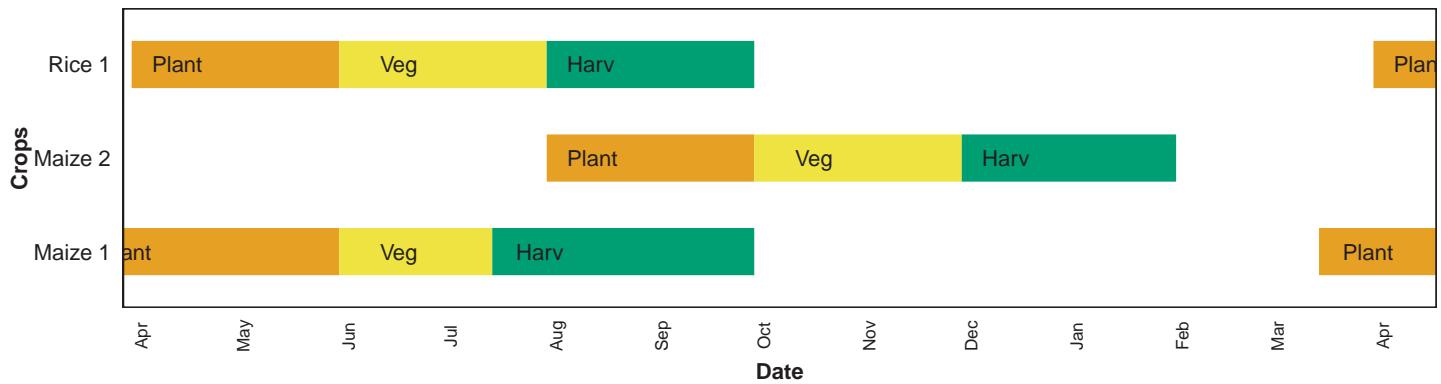


Benin

Benin cases over time



Benin South



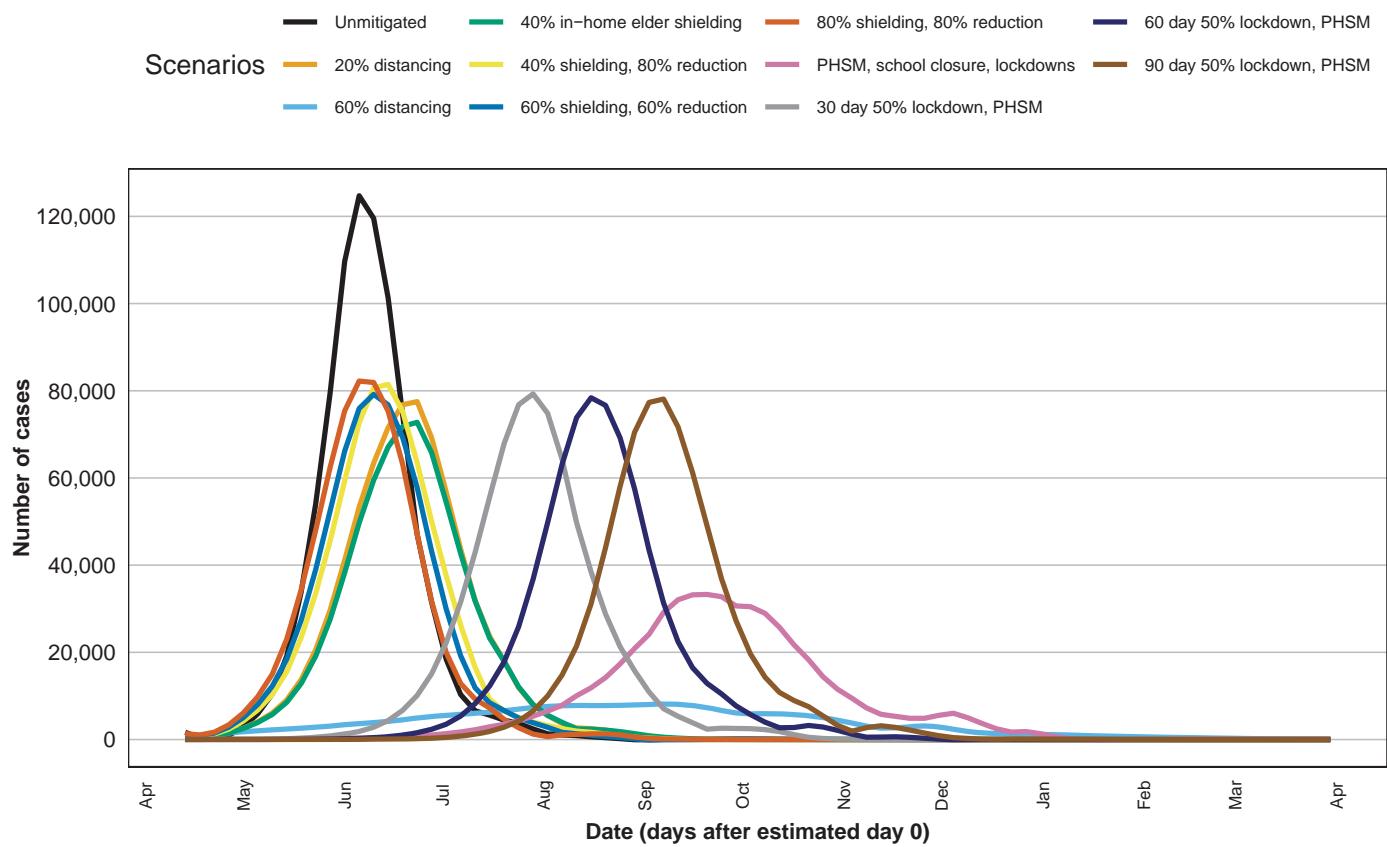
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

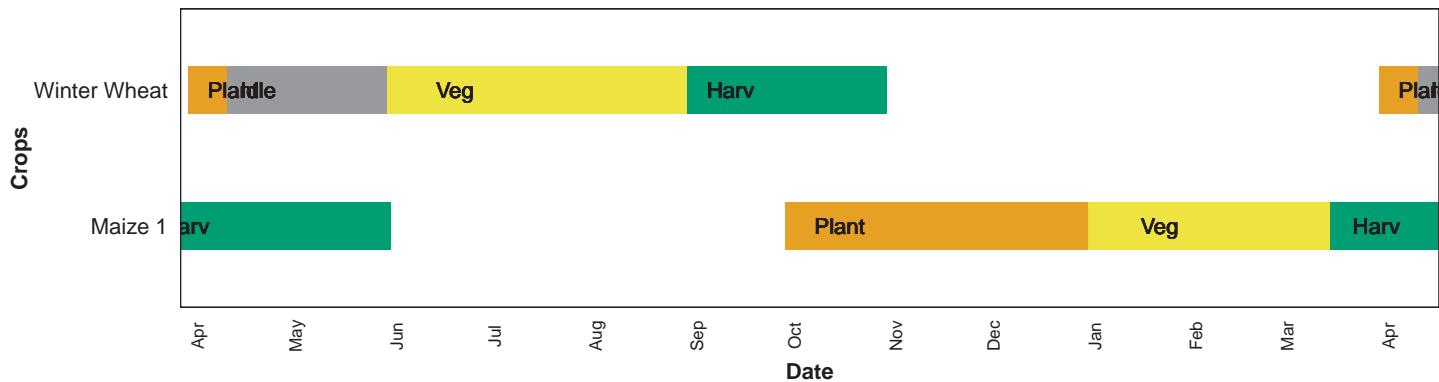


Bolivia

Bolivia cases over time



Bolivia



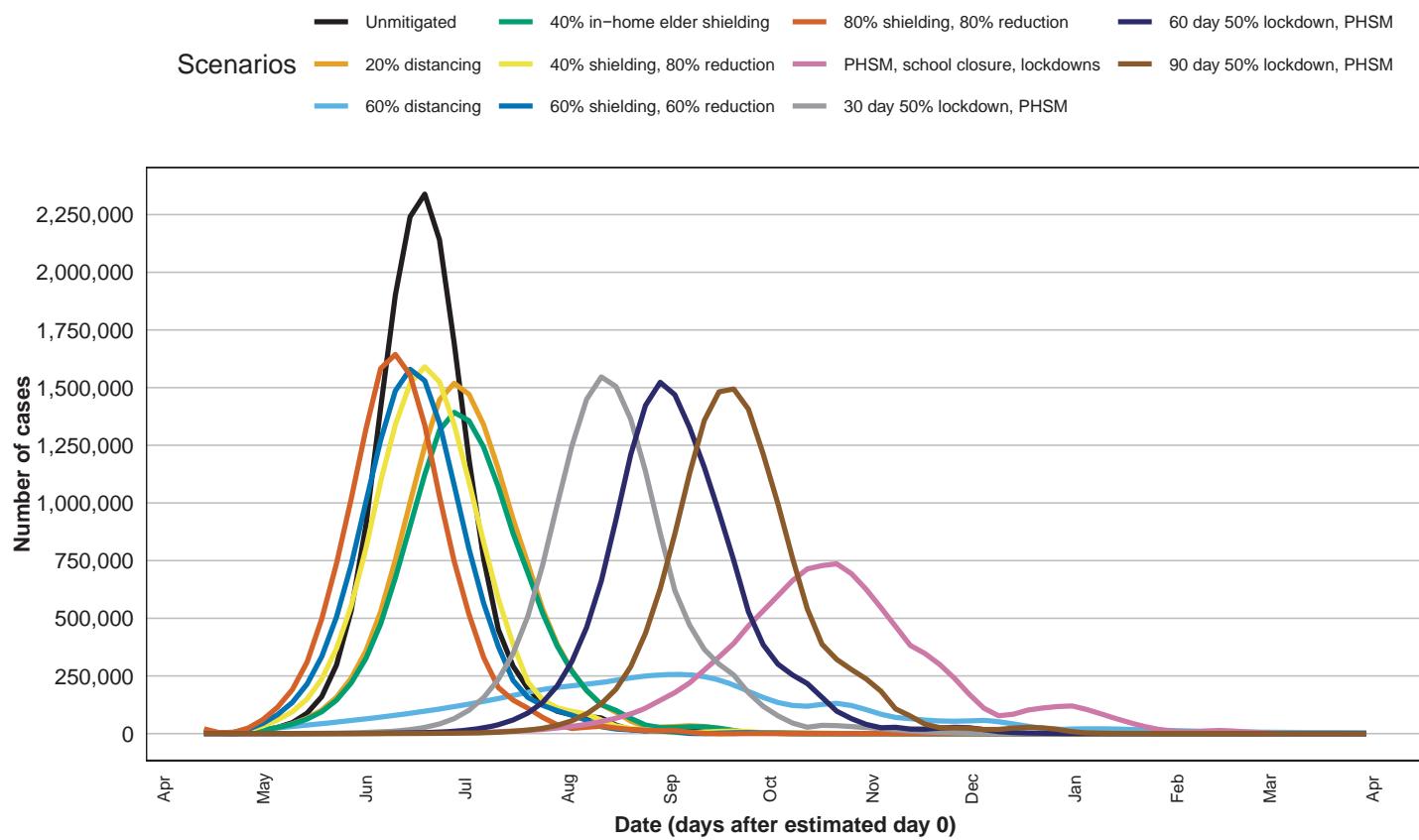
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

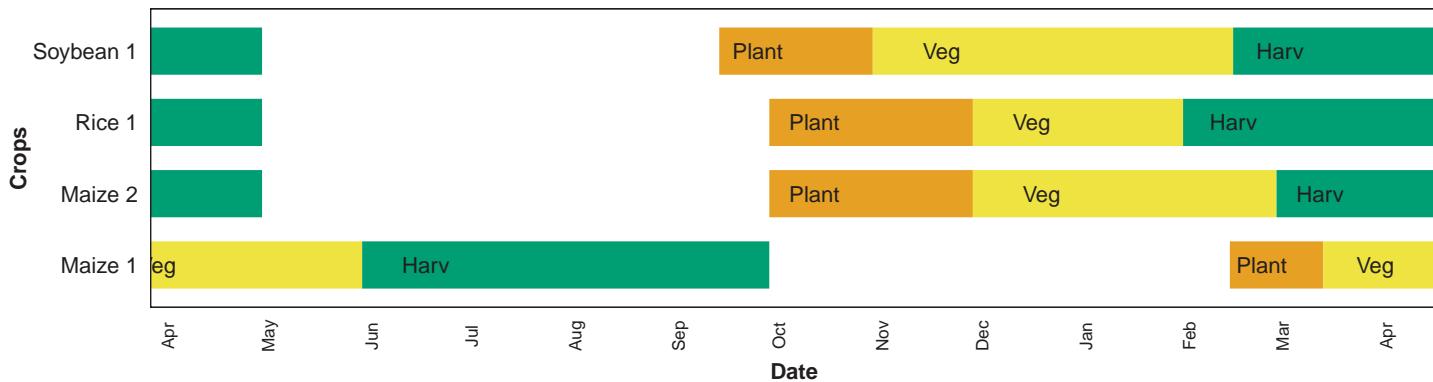


Brazil

Brazil cases over time



Brazil Central-West Region



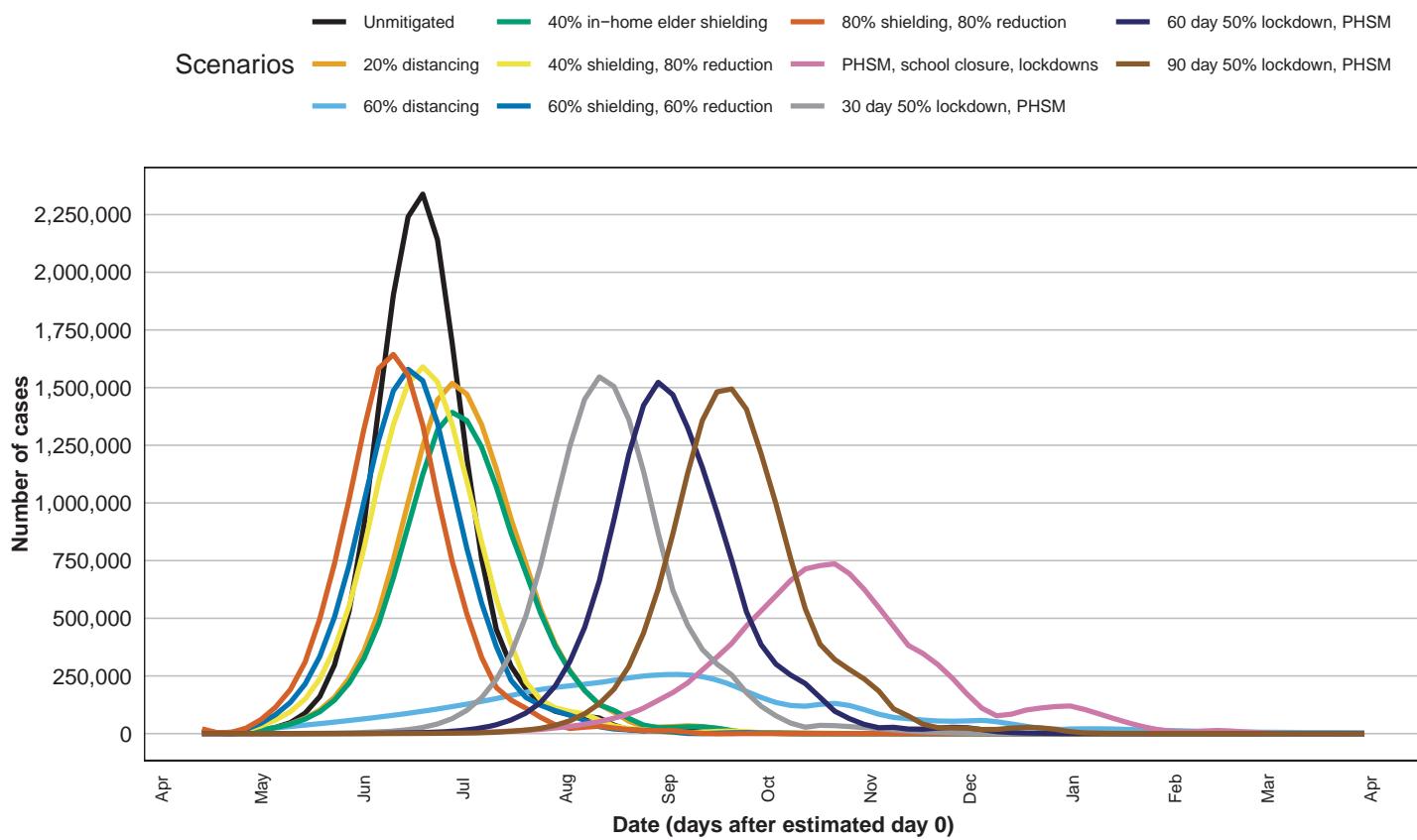
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

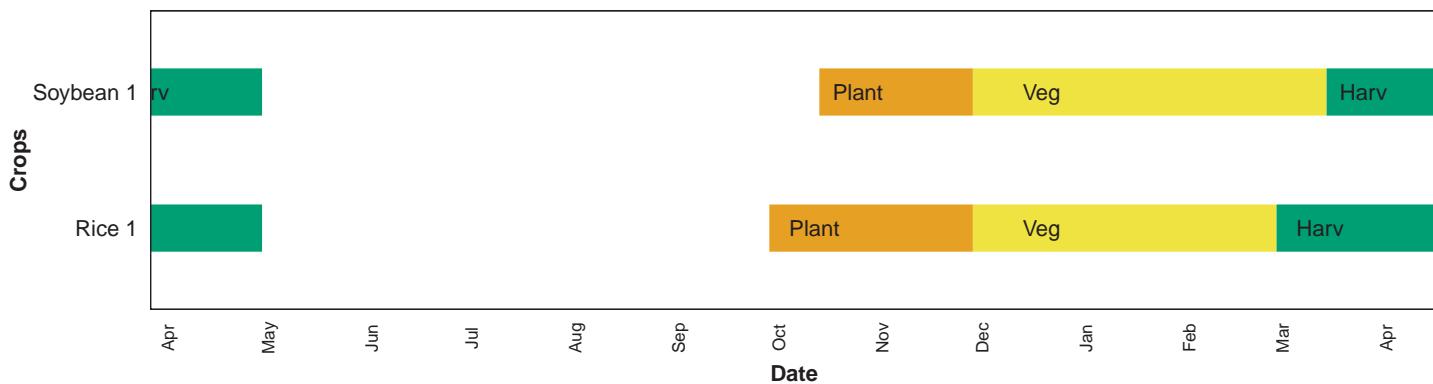


Brazil

Brazil cases over time



Brazil North Region



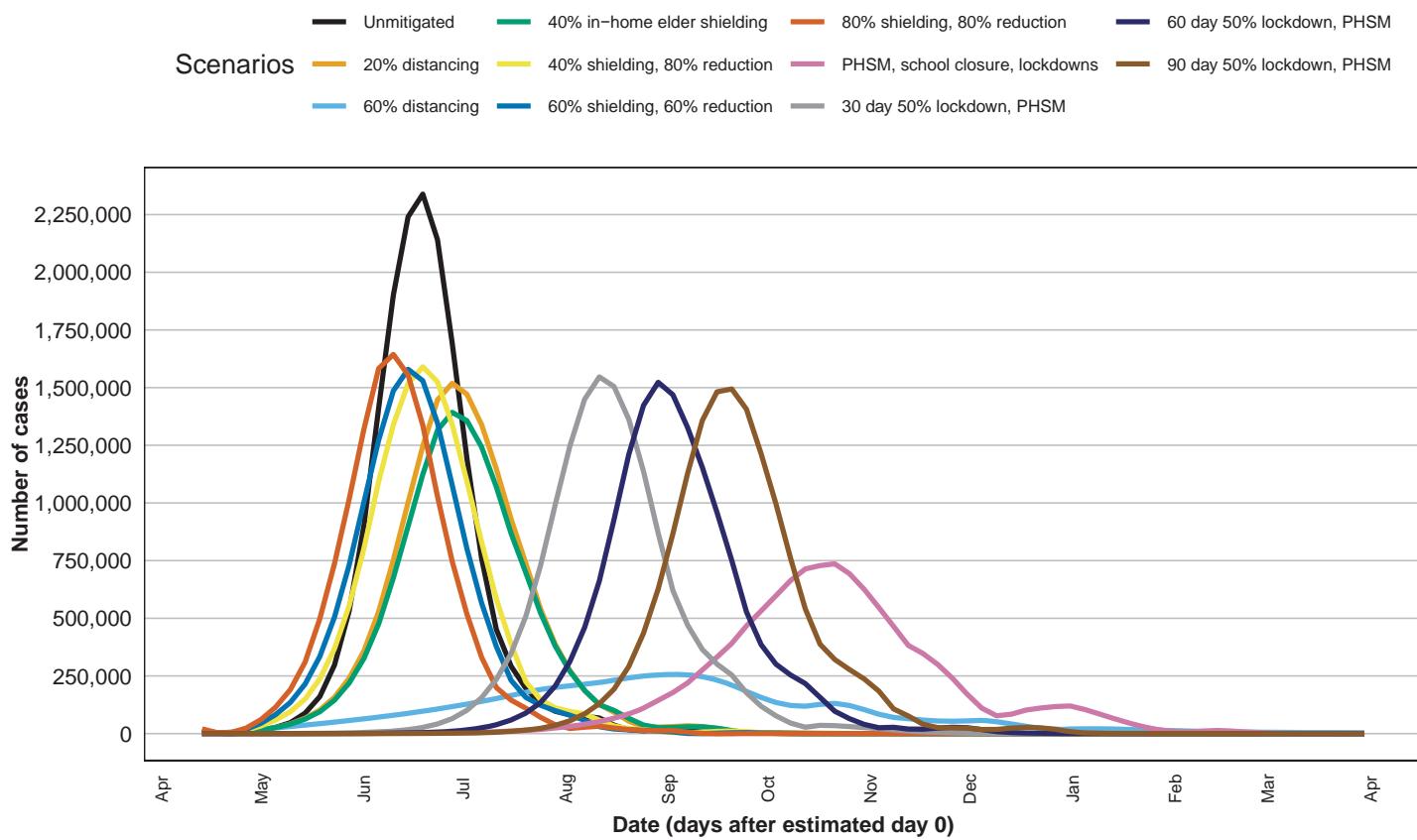
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

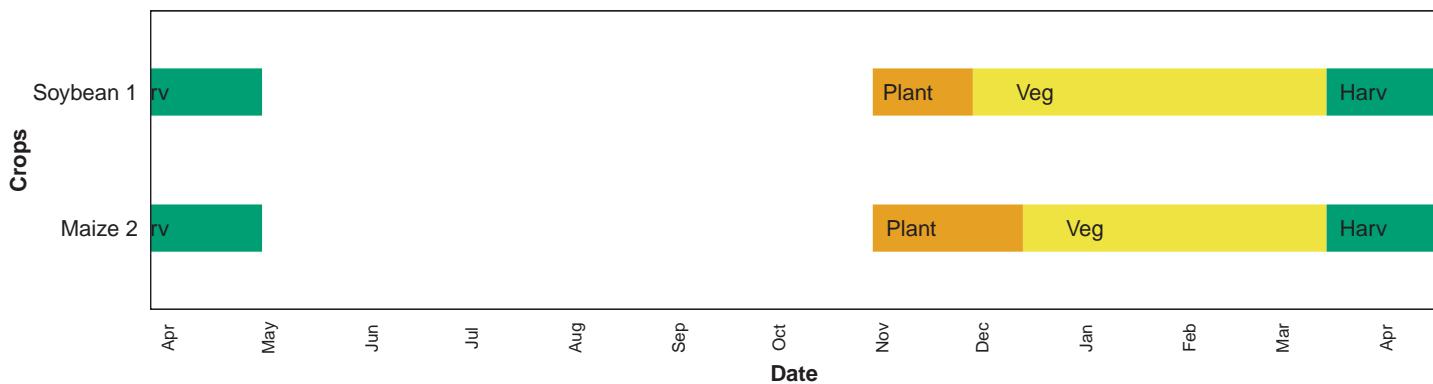


Brazil

Brazil cases over time



Brazil Northeast Region



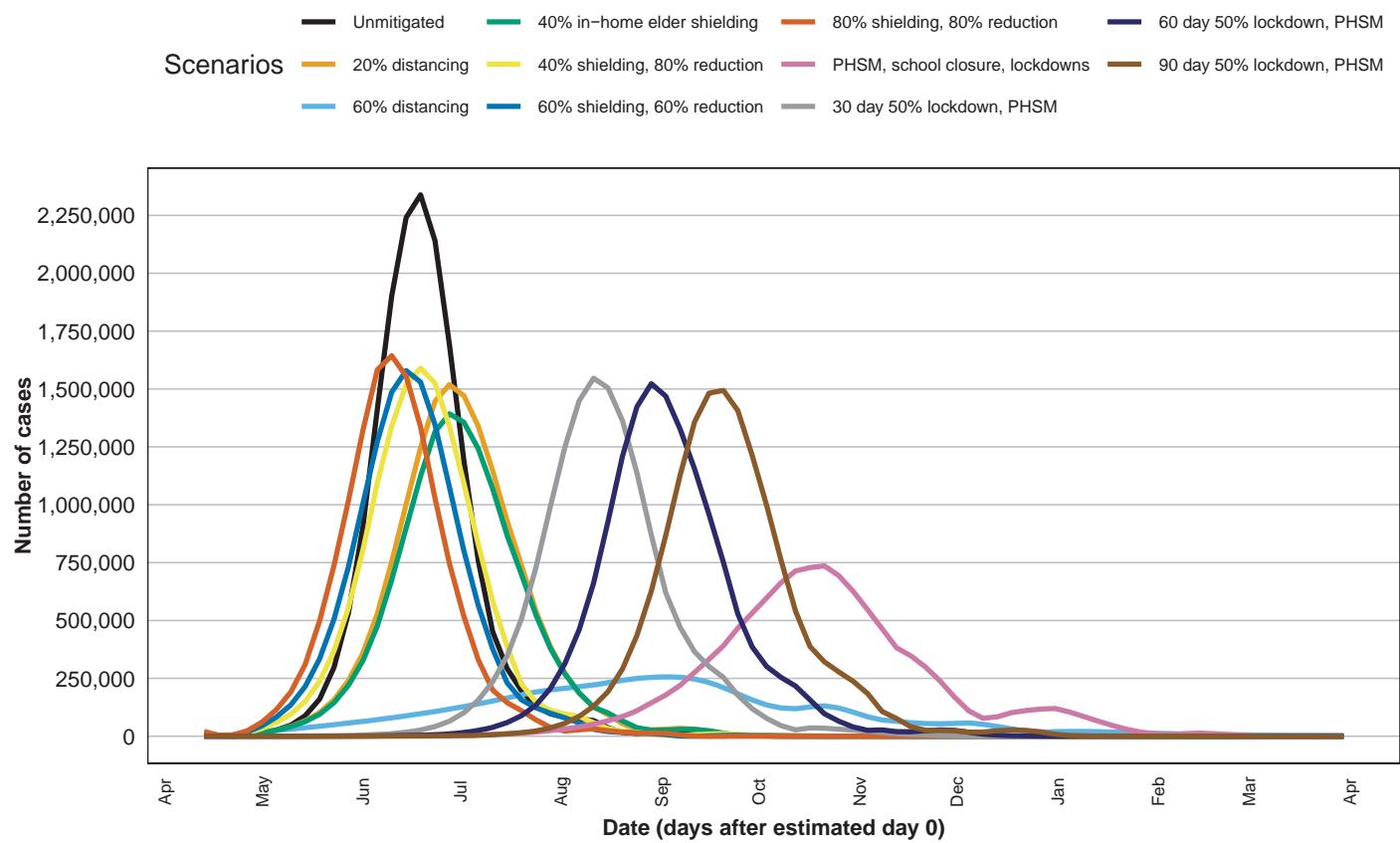
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

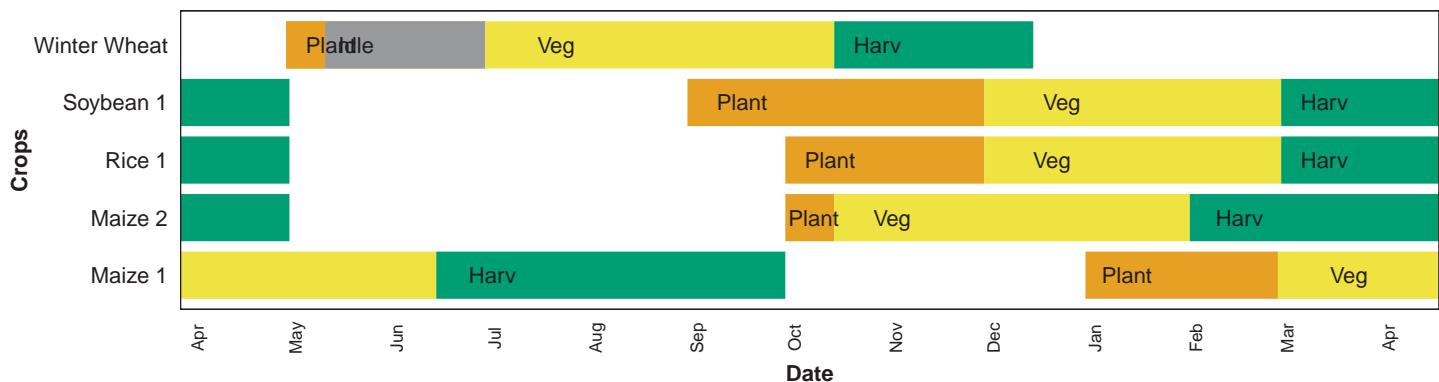


Brazil

Brazil cases over time



Brazil South Region



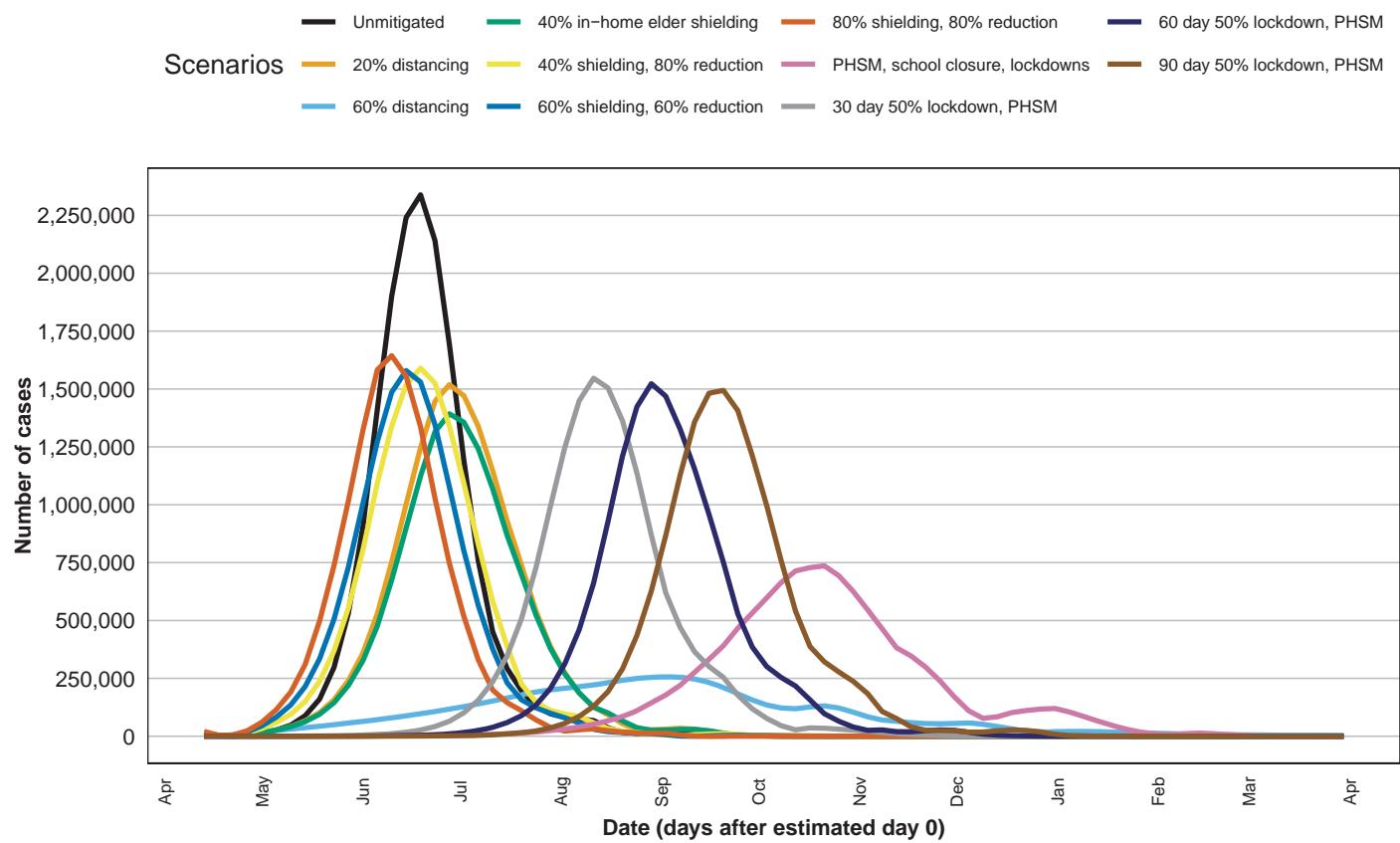
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

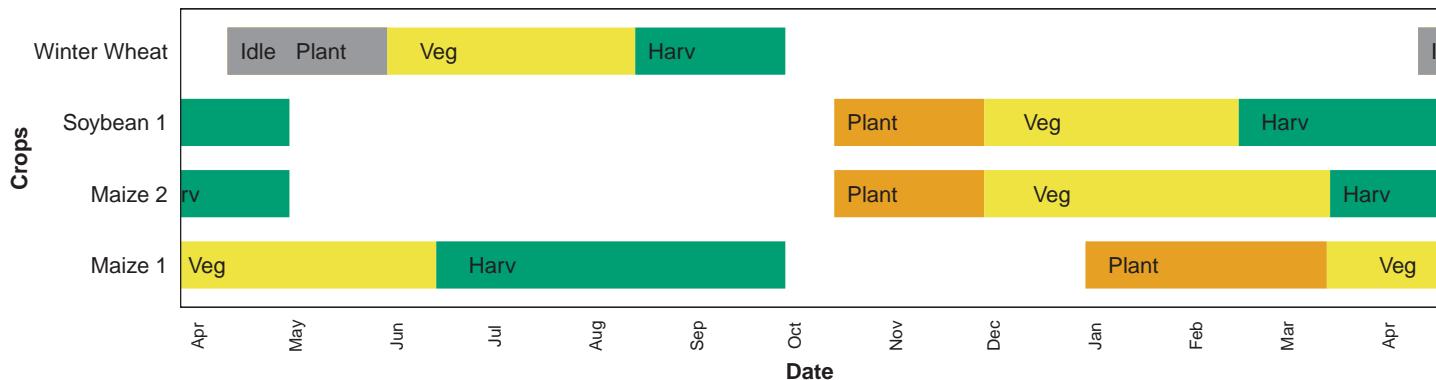


Brazil

Brazil cases over time



Brazil Southeast Region



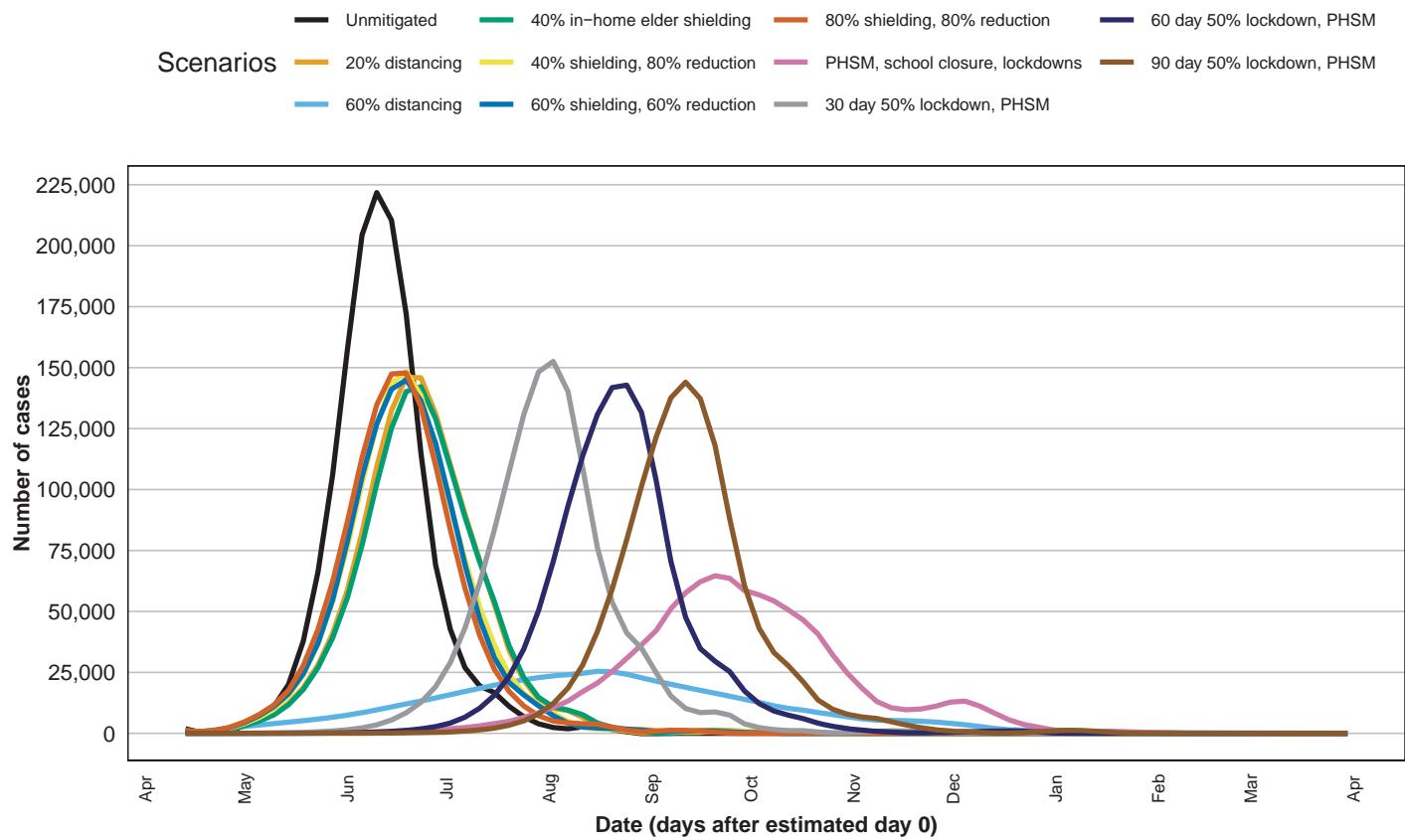
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

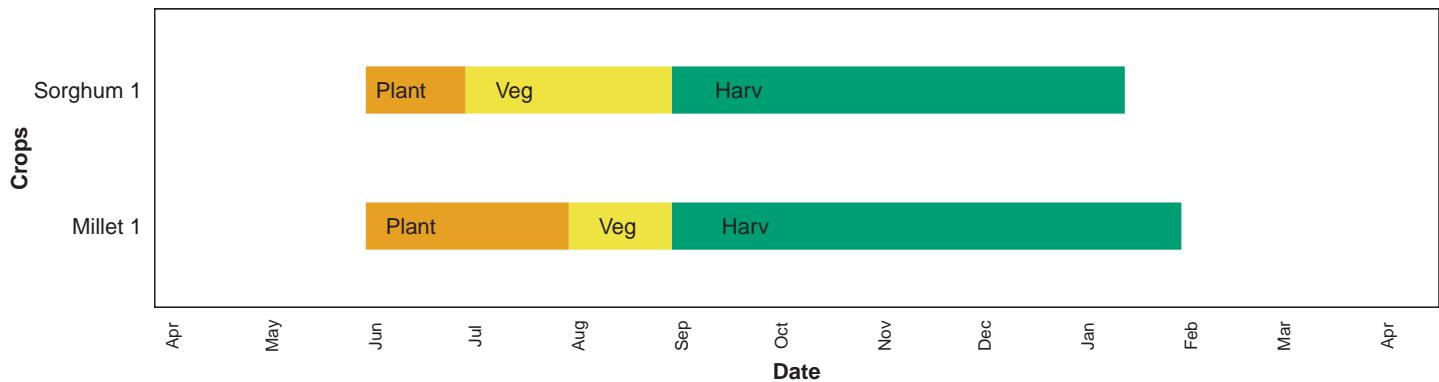


Burkina Faso

Burkina Faso cases over time



Burkina Faso Central



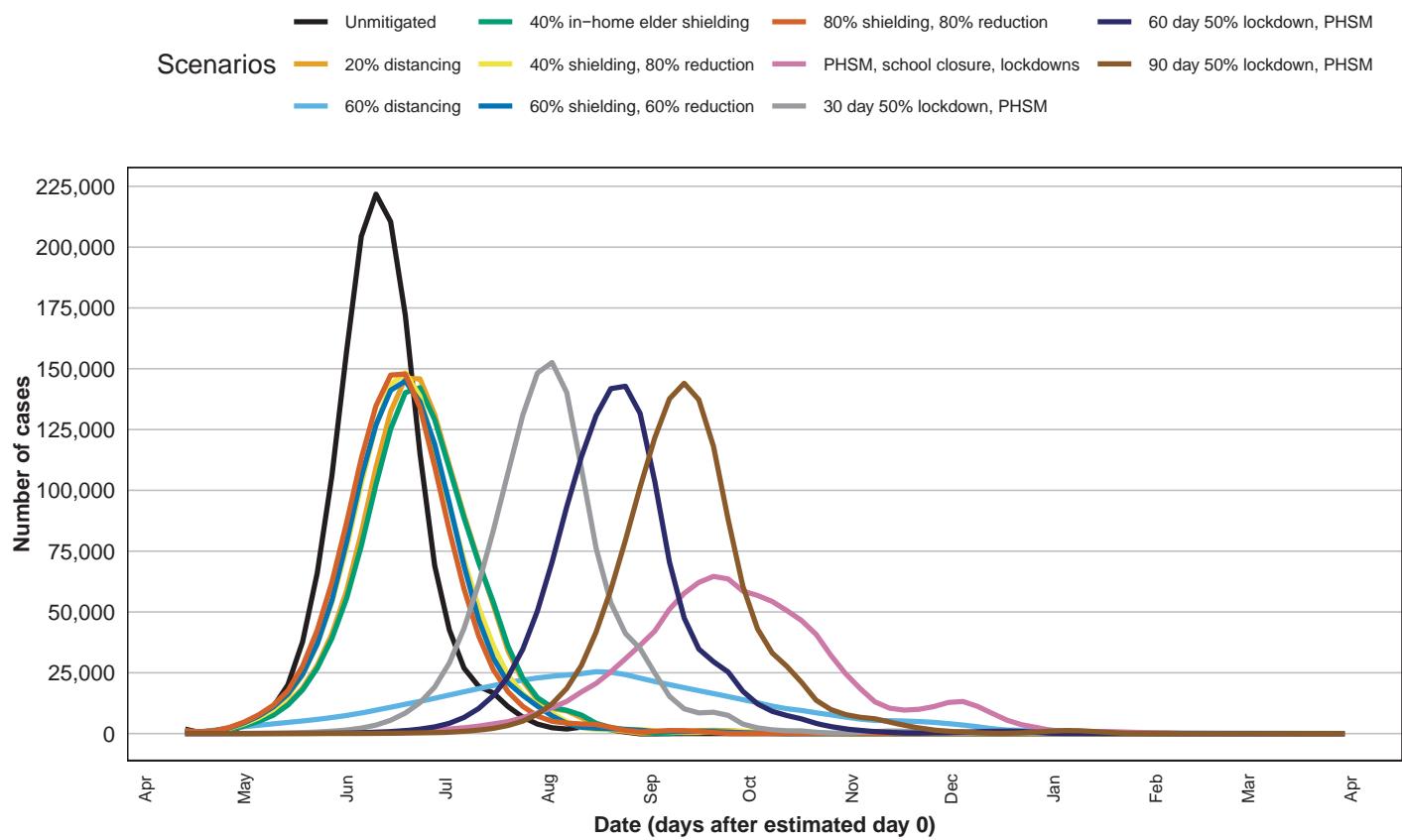
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

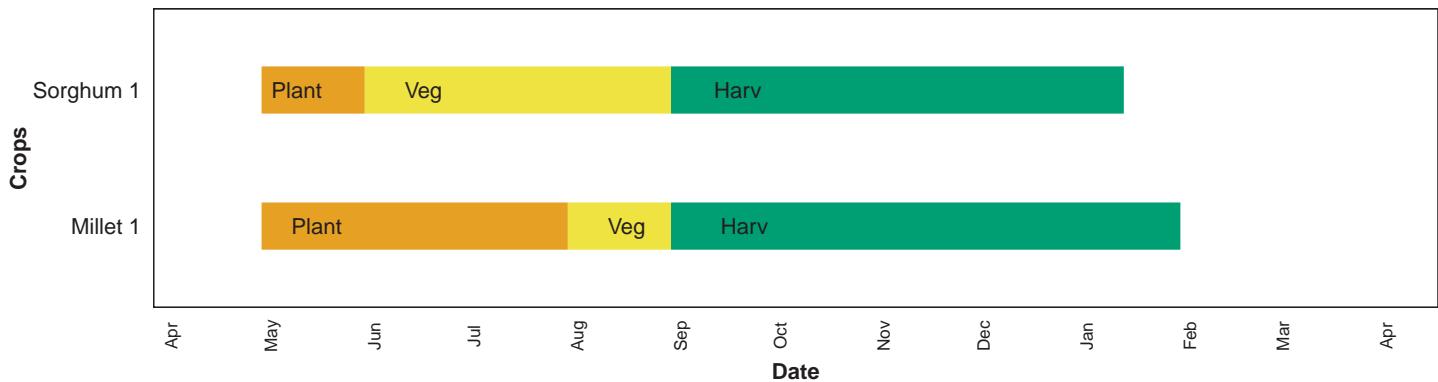


Burkina Faso

Burkina Faso cases over time



Burkina Faso Far South



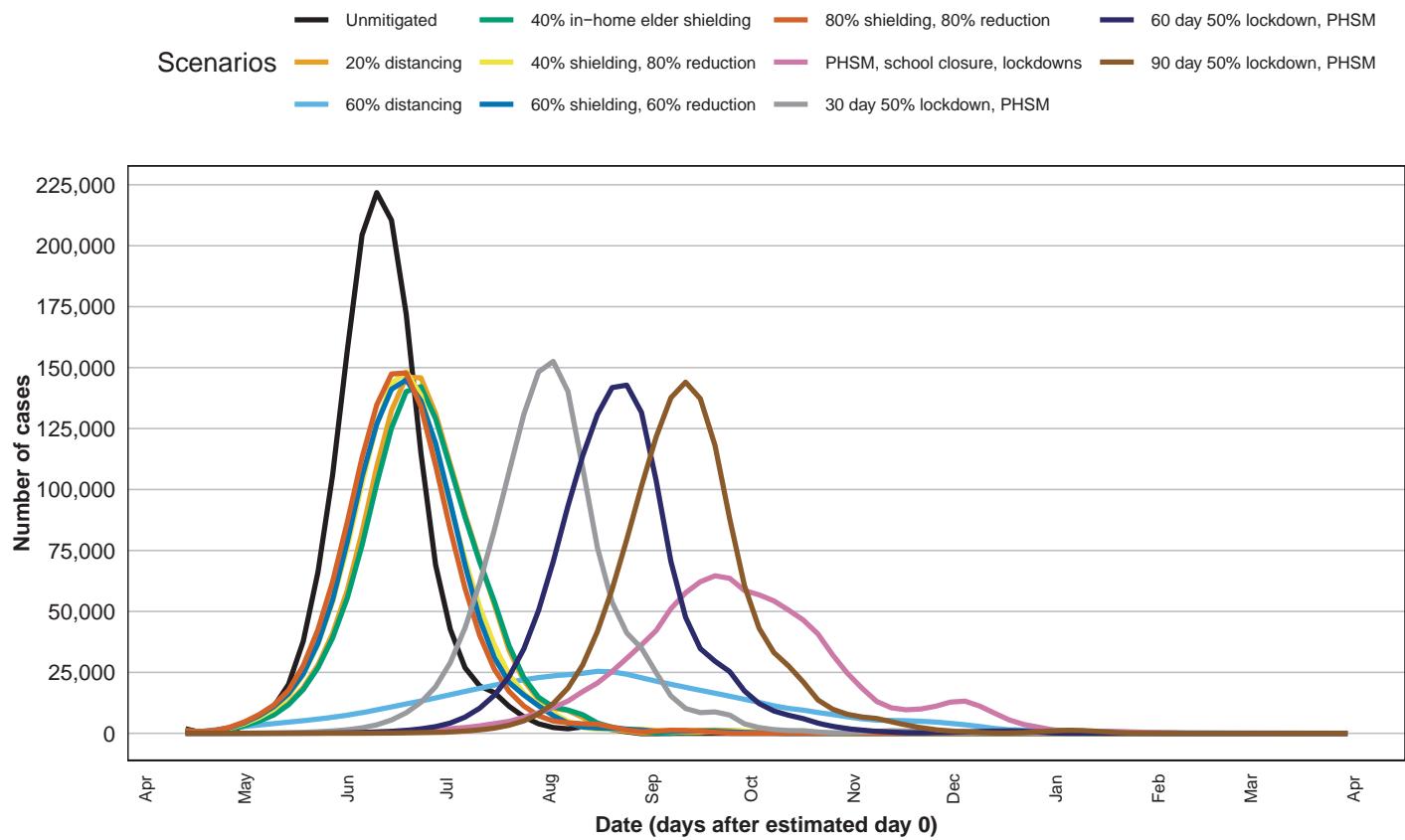
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

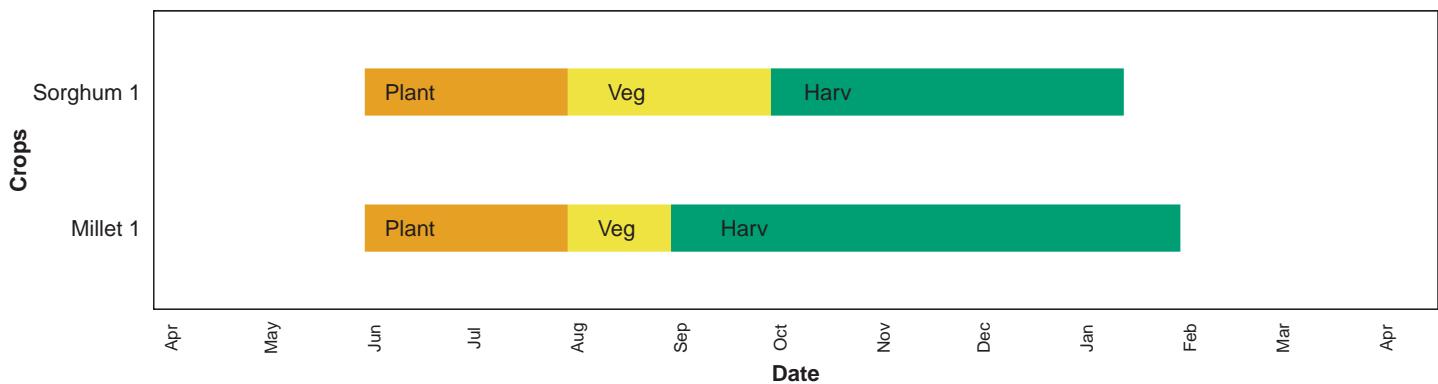


Burkina Faso

Burkina Faso cases over time



Burkina Faso North



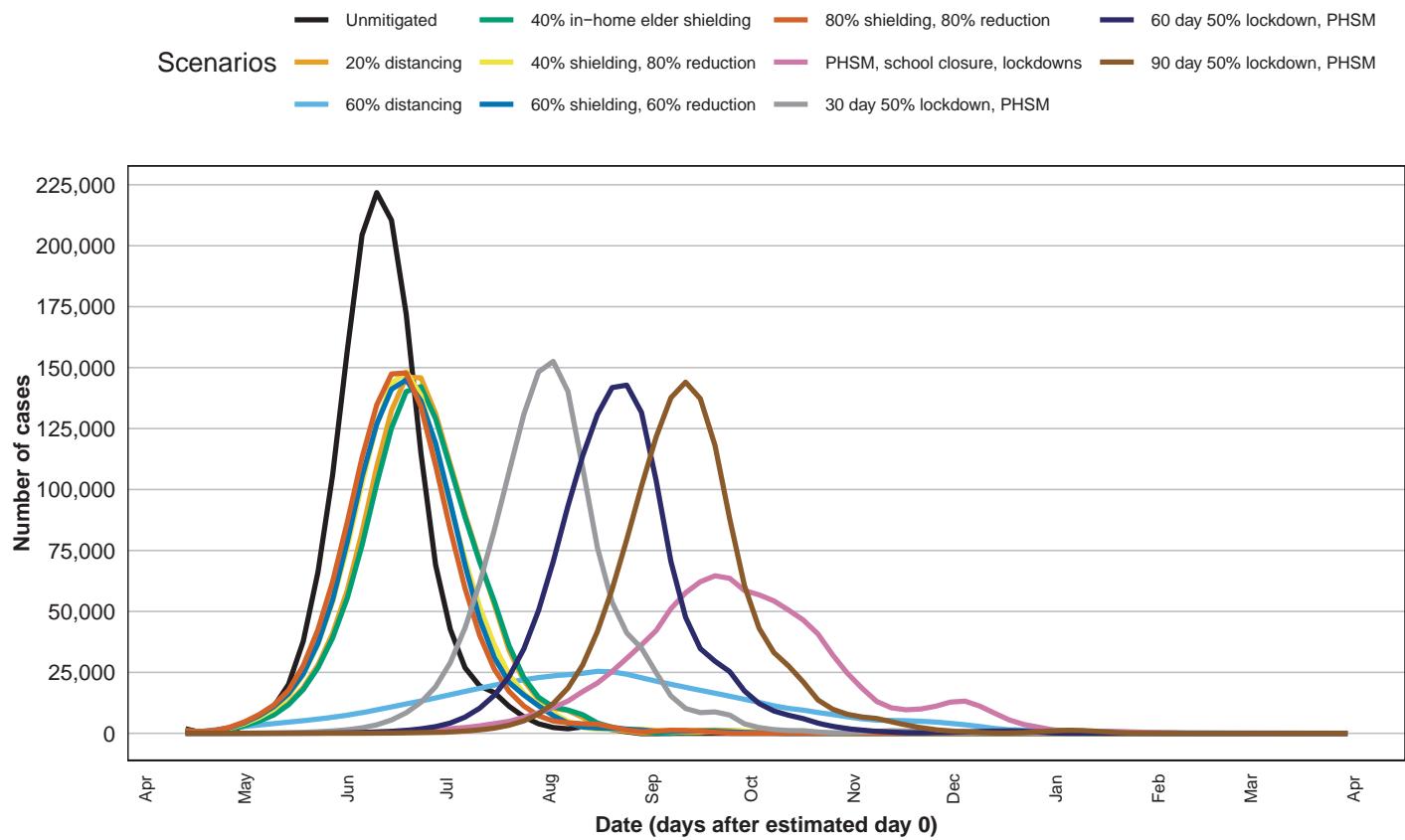
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

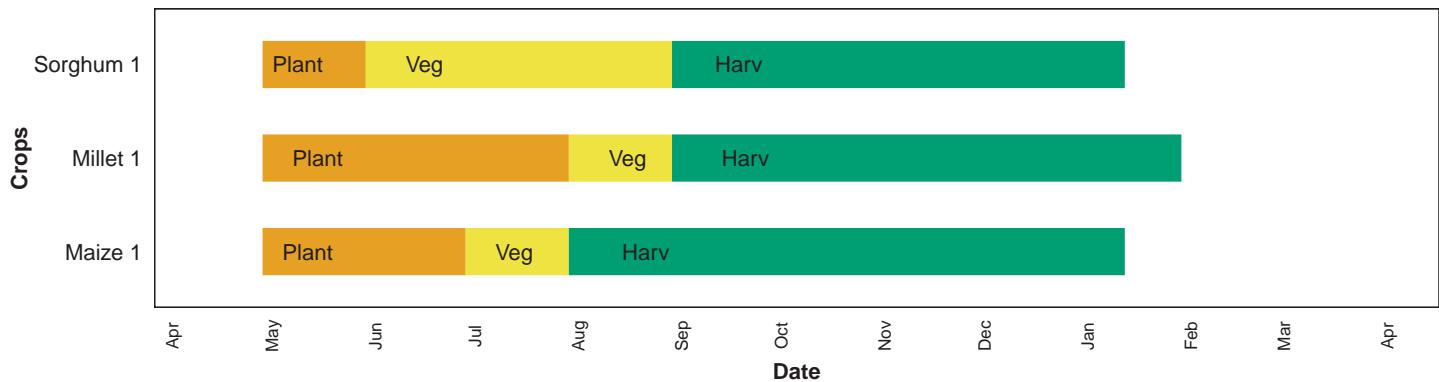


Burkina Faso

Burkina Faso cases over time



Burkina Faso South



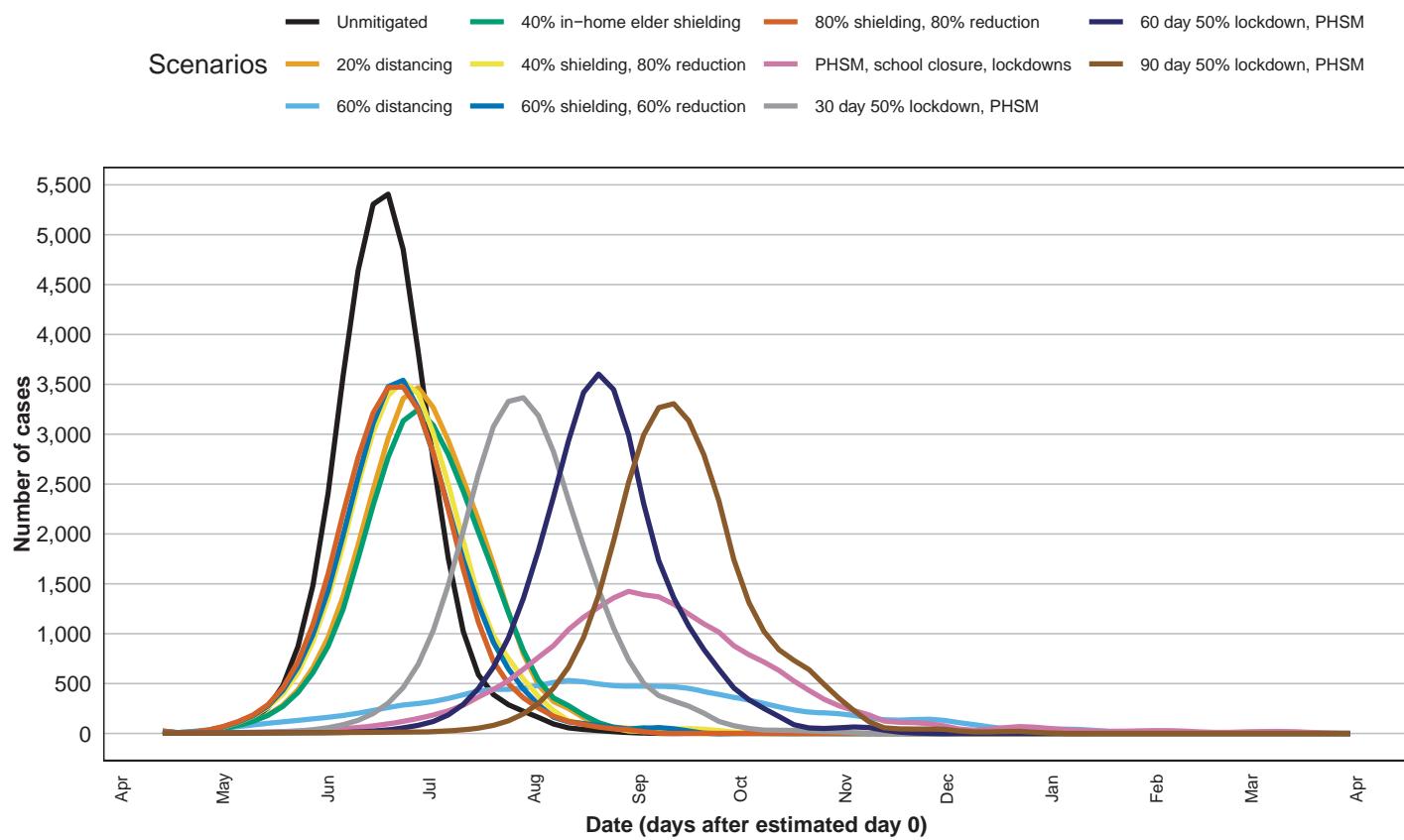
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

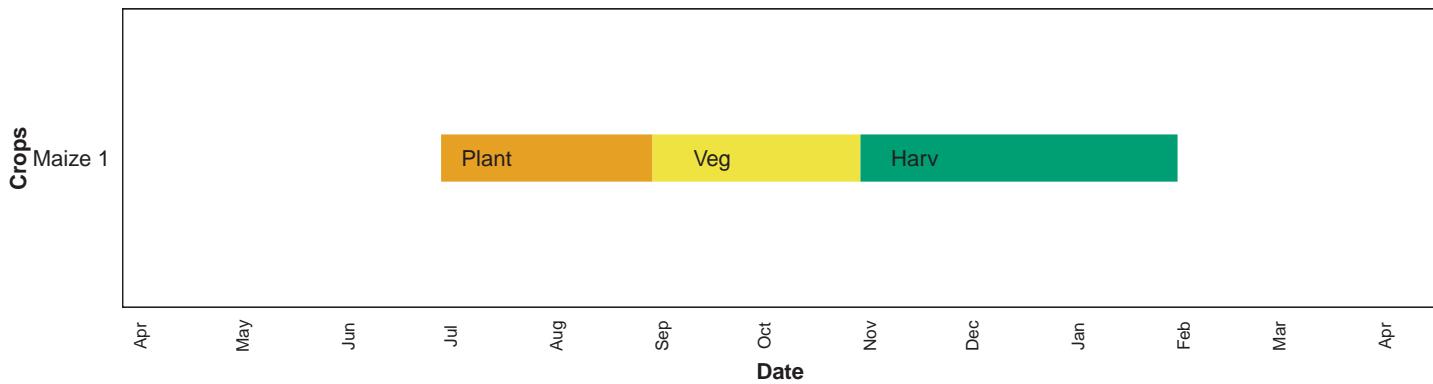


Cabo Verde

Cabo Verde cases over time

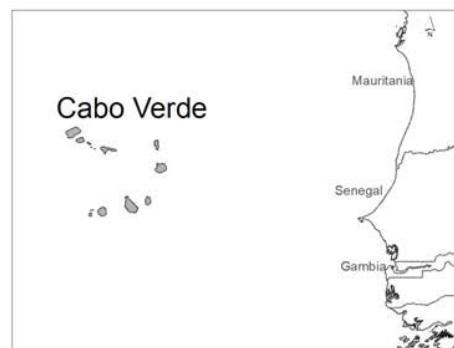


Cabo Verde



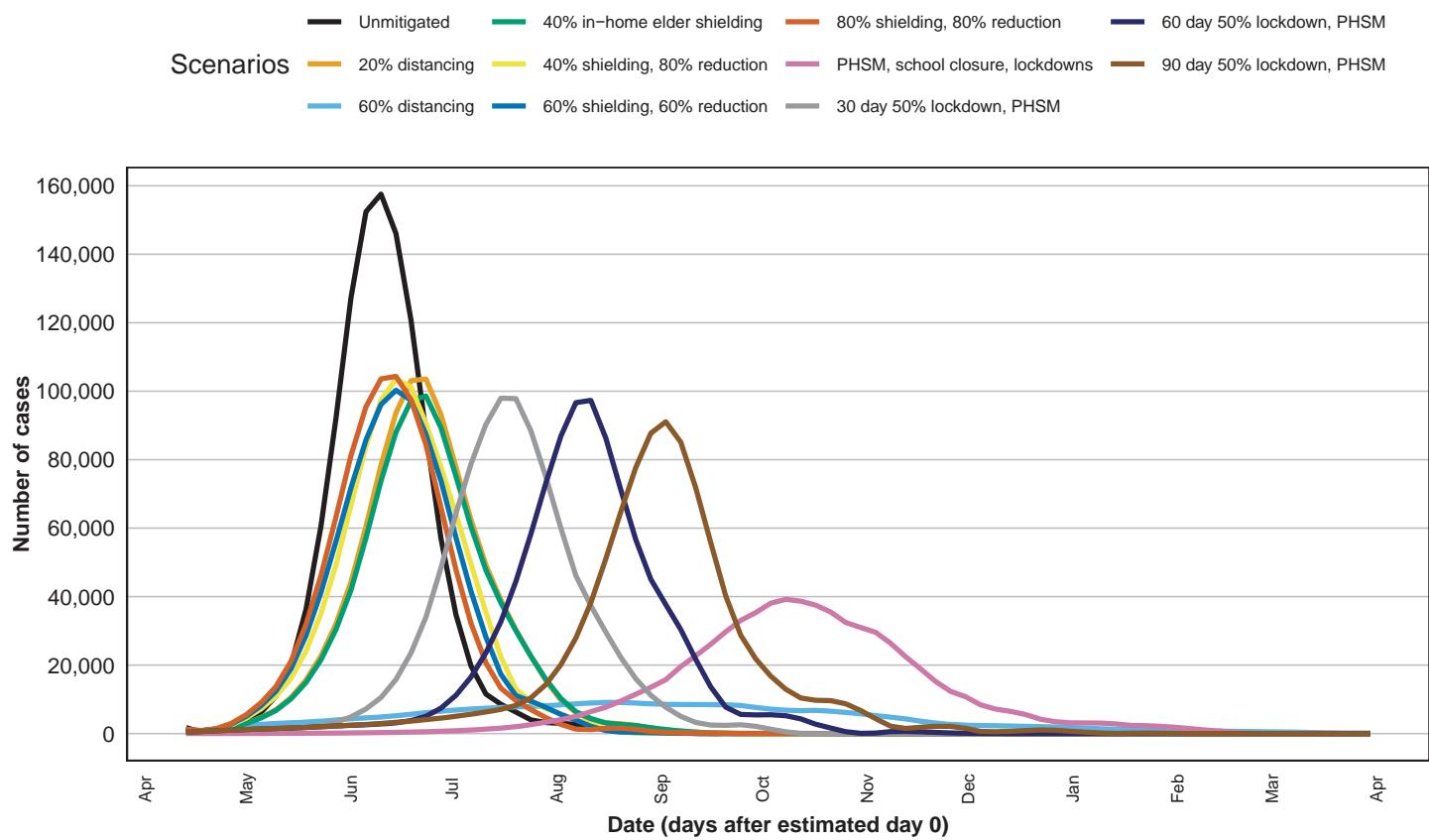
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

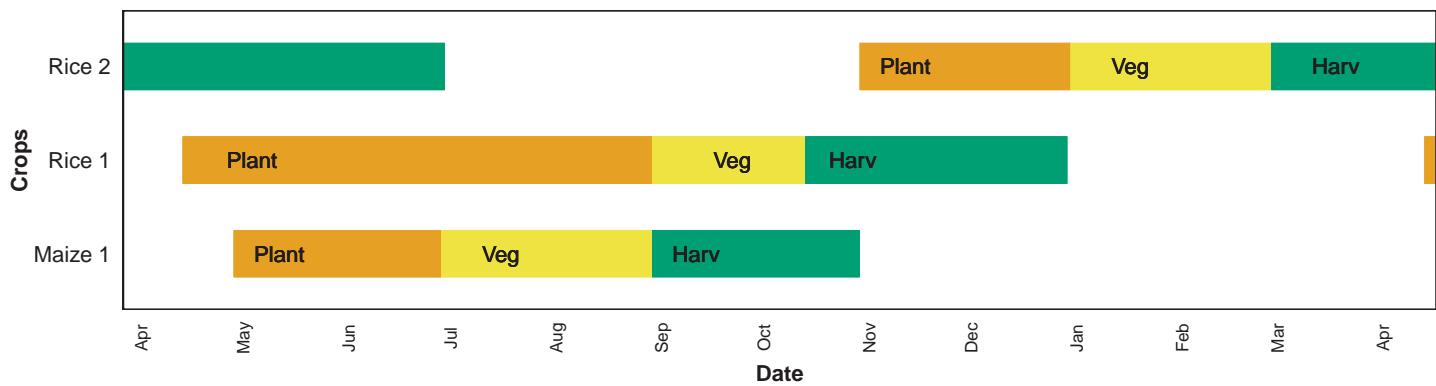


Cambodia

Cambodia cases over time



Cambodia



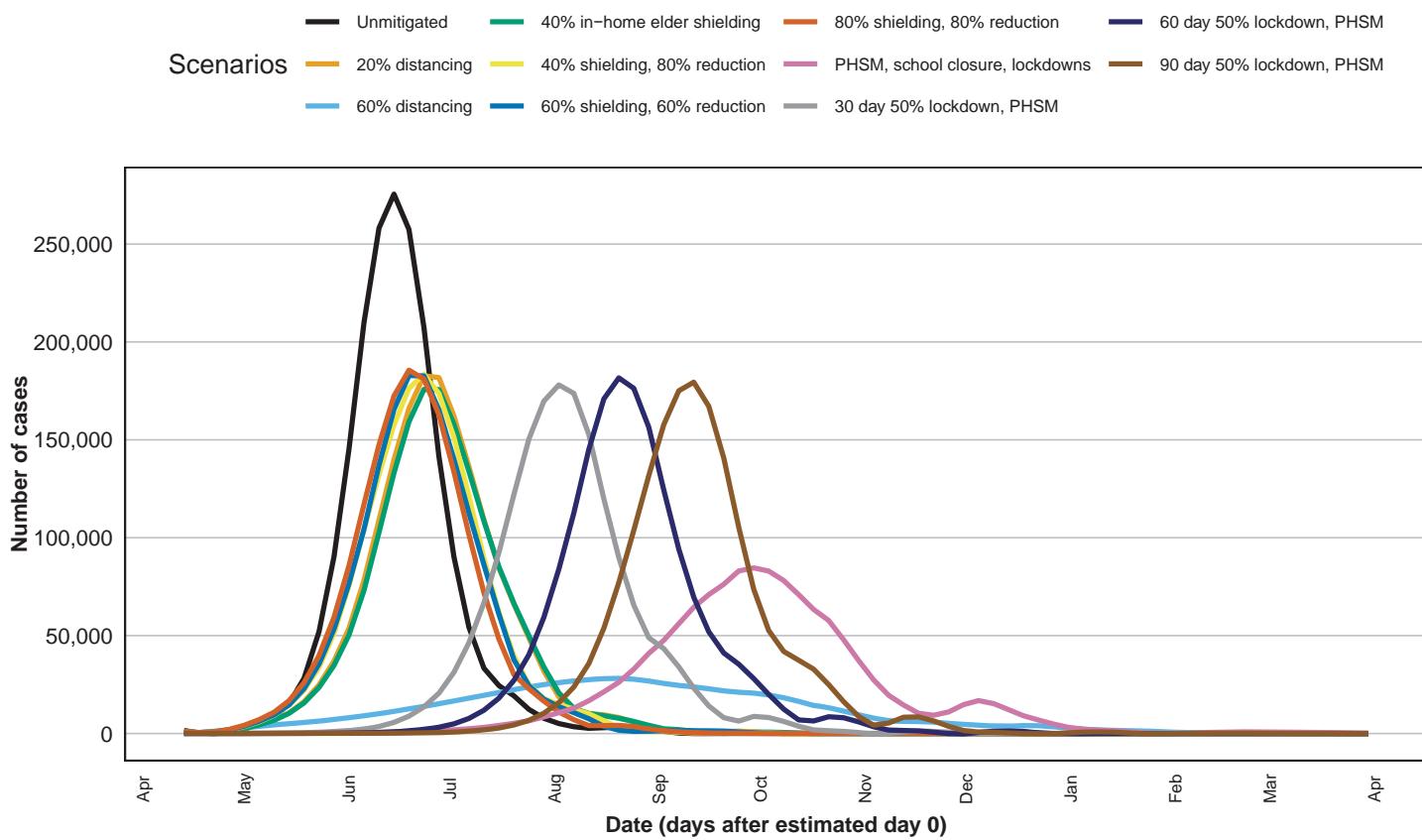
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

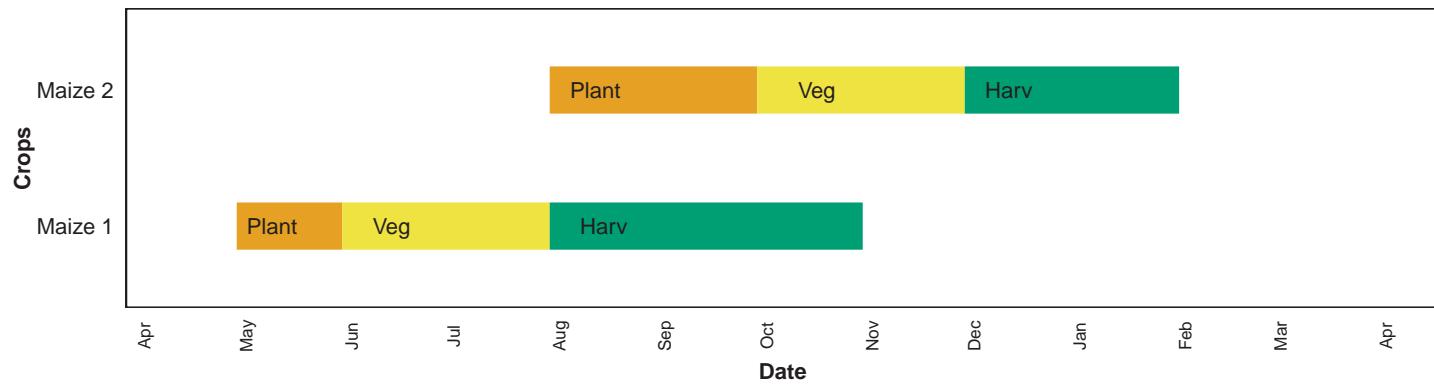


Cameroon

Cameroon cases over time



Cameroon Adamaoua



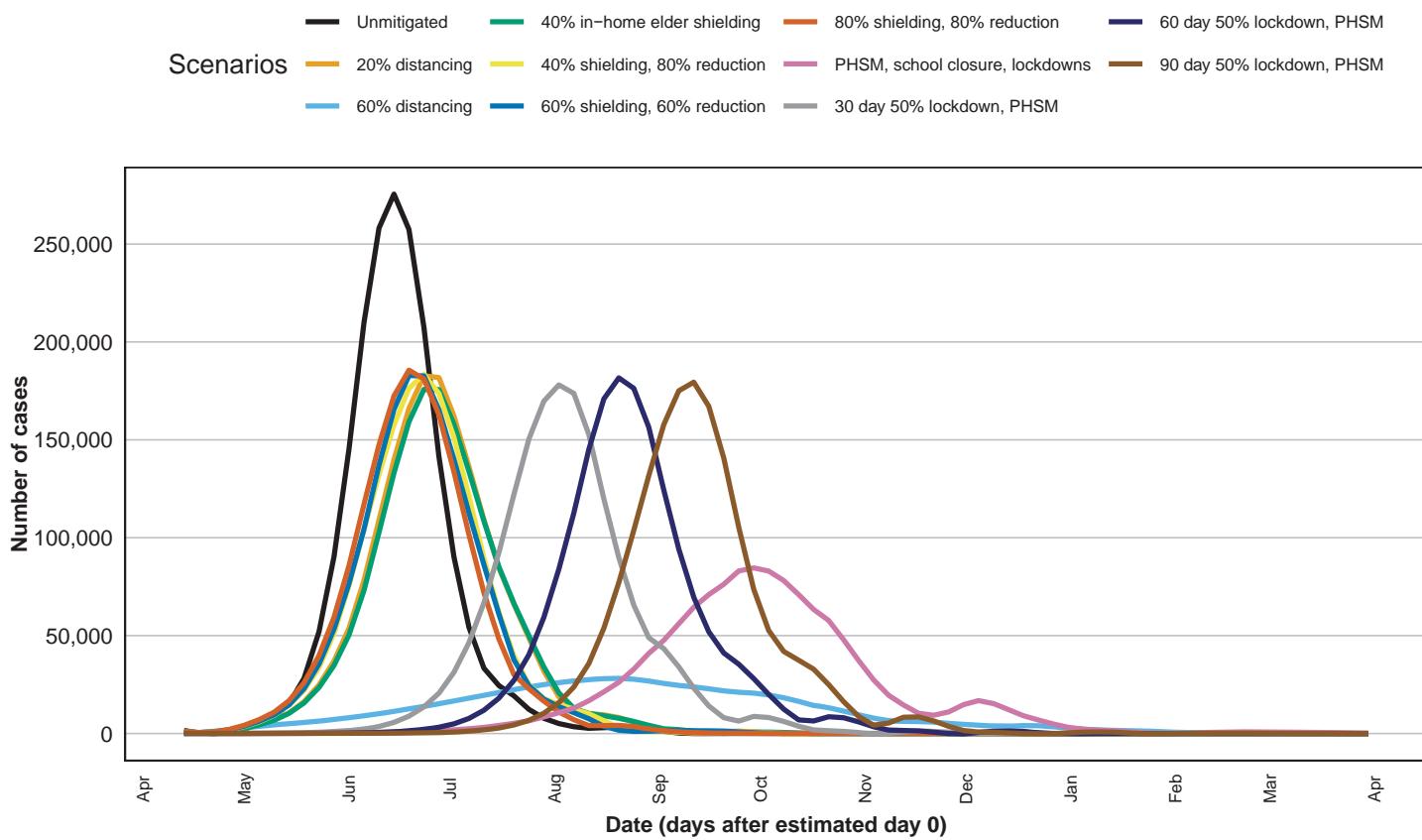
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AACF Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

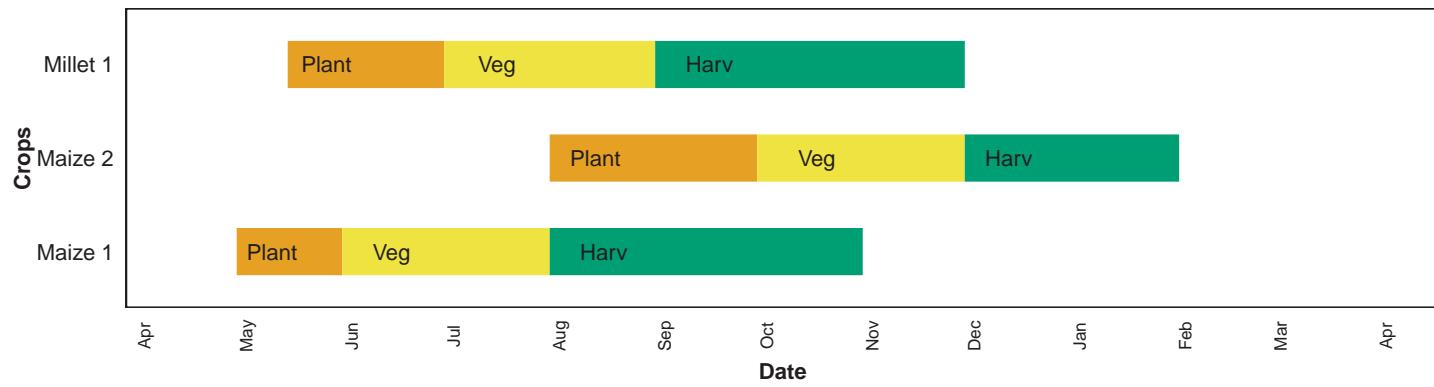


Cameroon

Cameroon cases over time



Cameroon Extreme – Nord



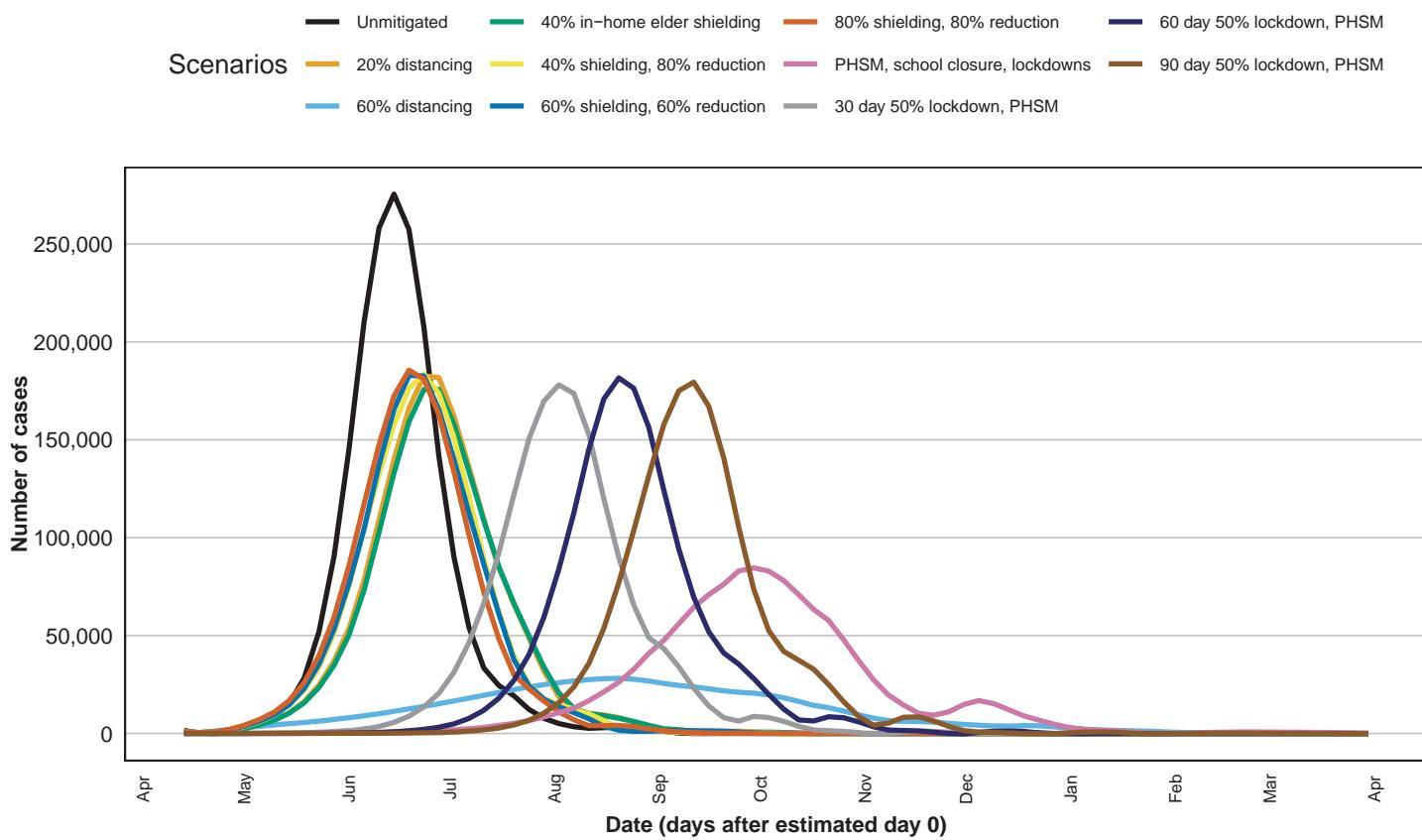
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

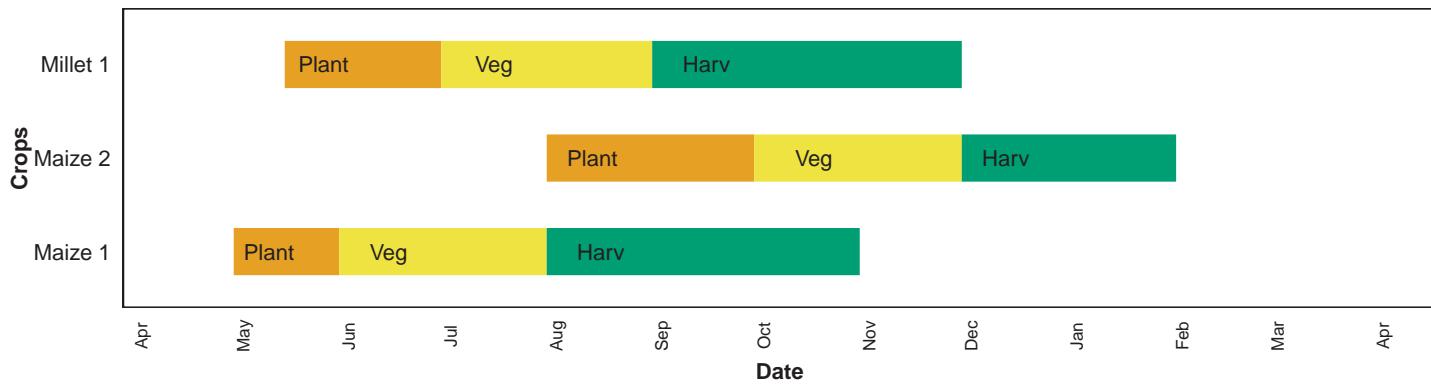


Cameroon

Cameroon cases over time



Cameroon Nord



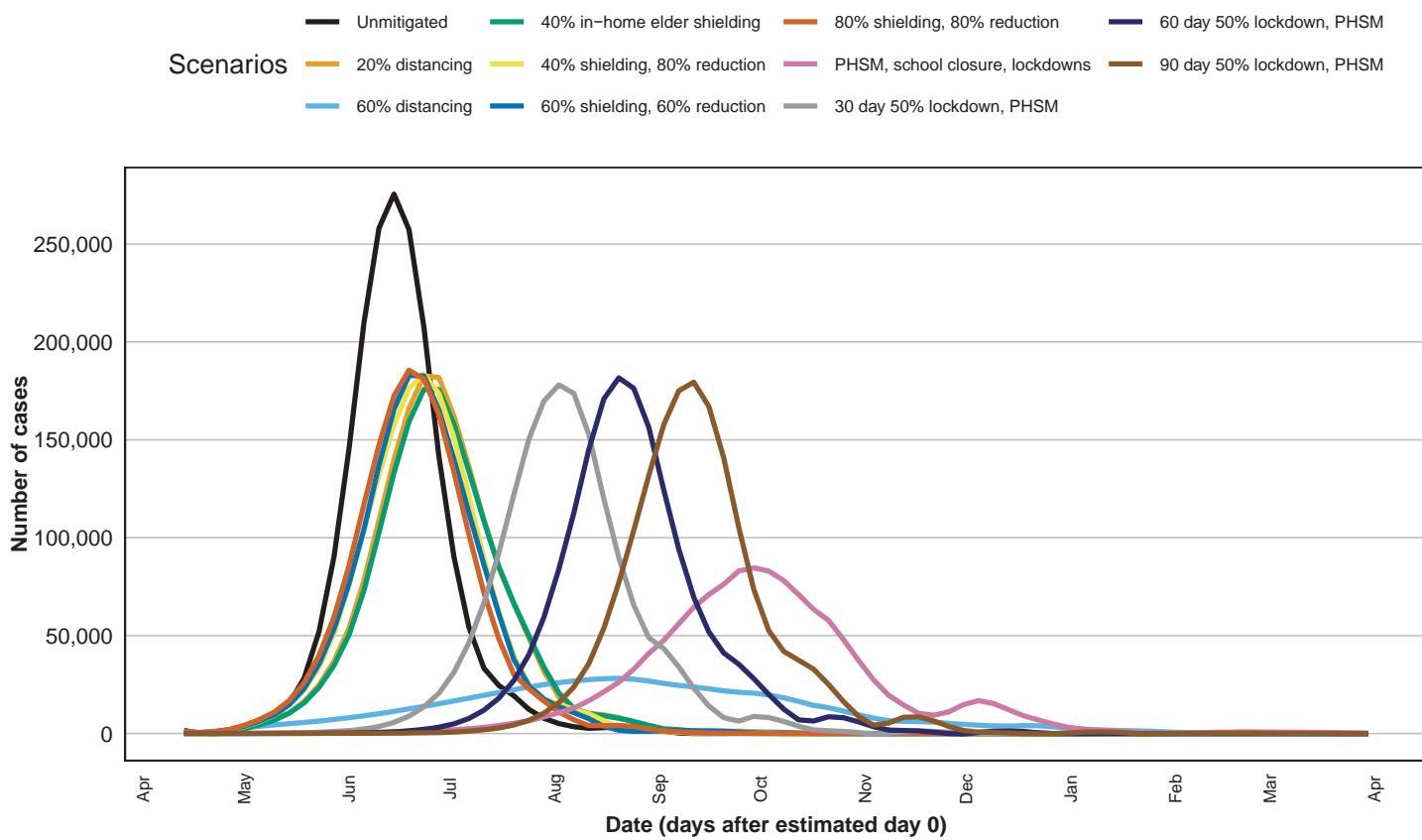
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

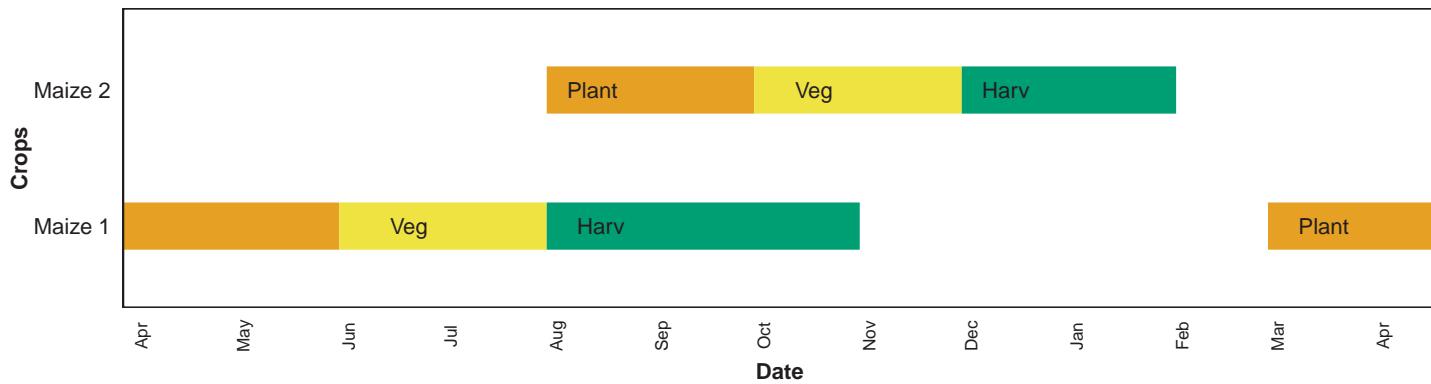


Cameroon

Cameroon cases over time



Cameroon Plateau



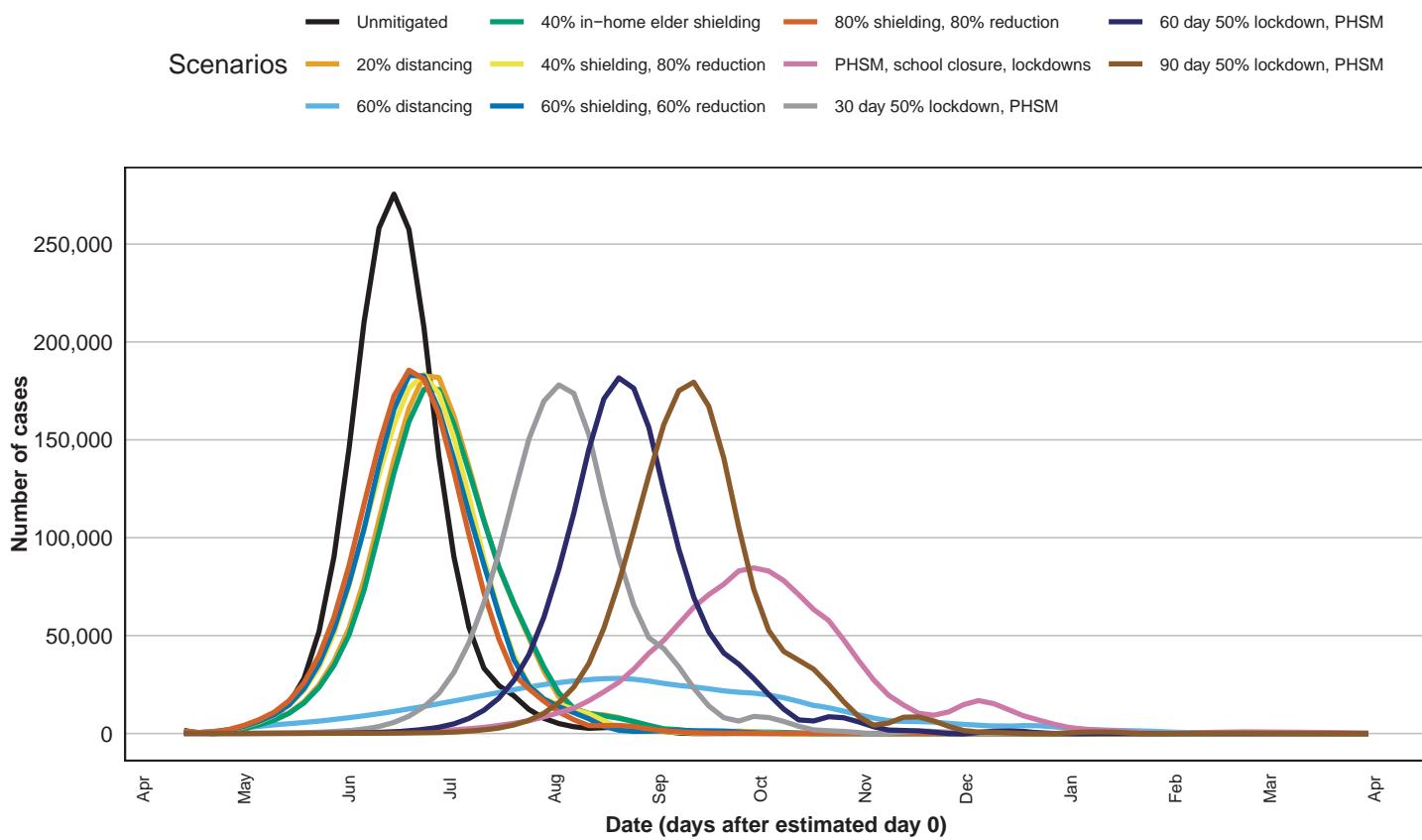
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

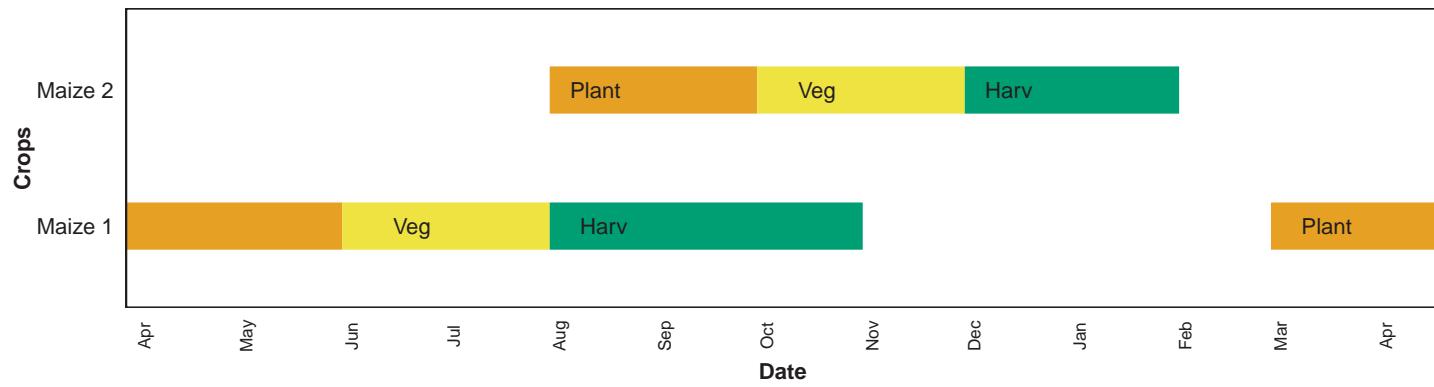


Cameroon

Cameroon cases over time



Cameroon South



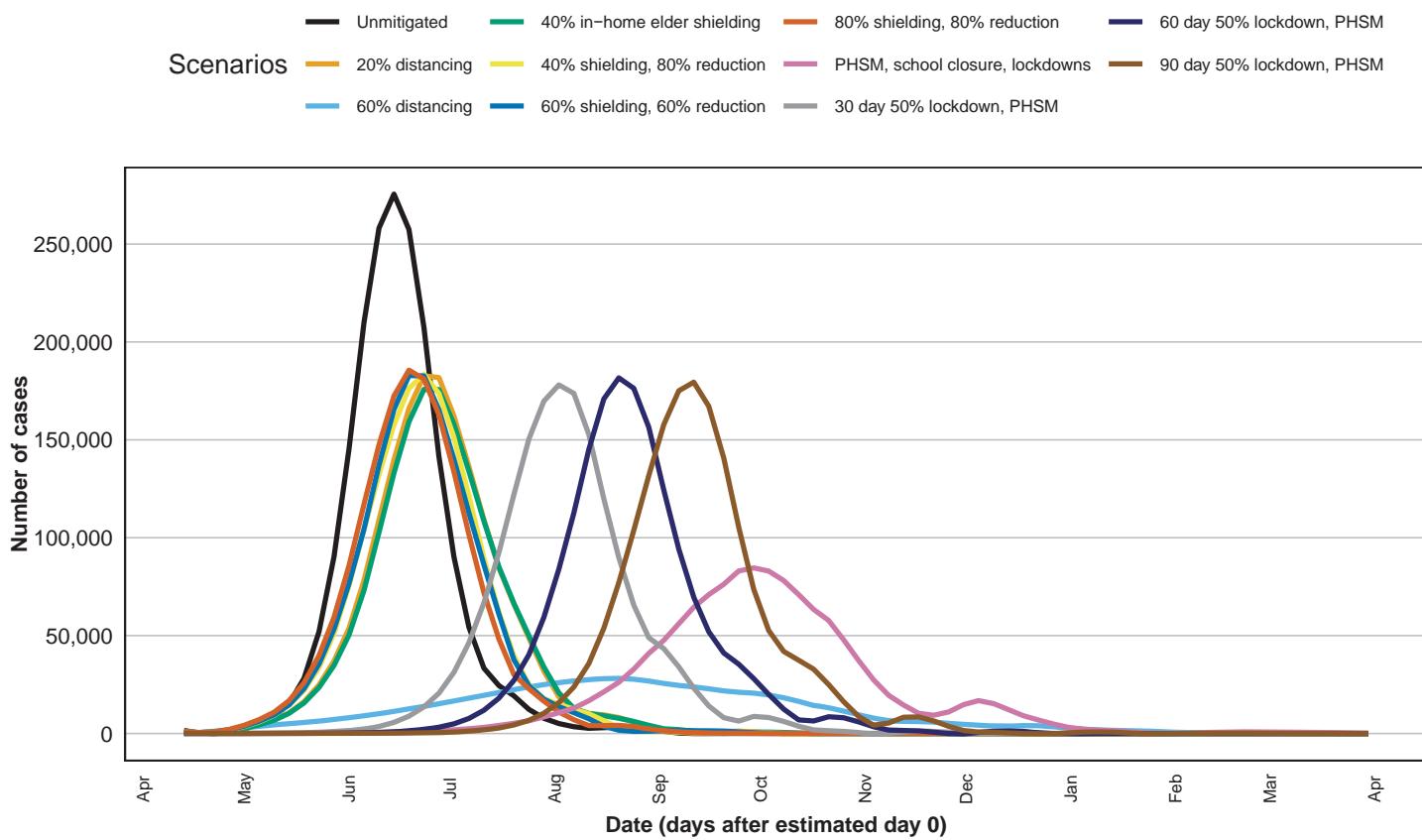
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

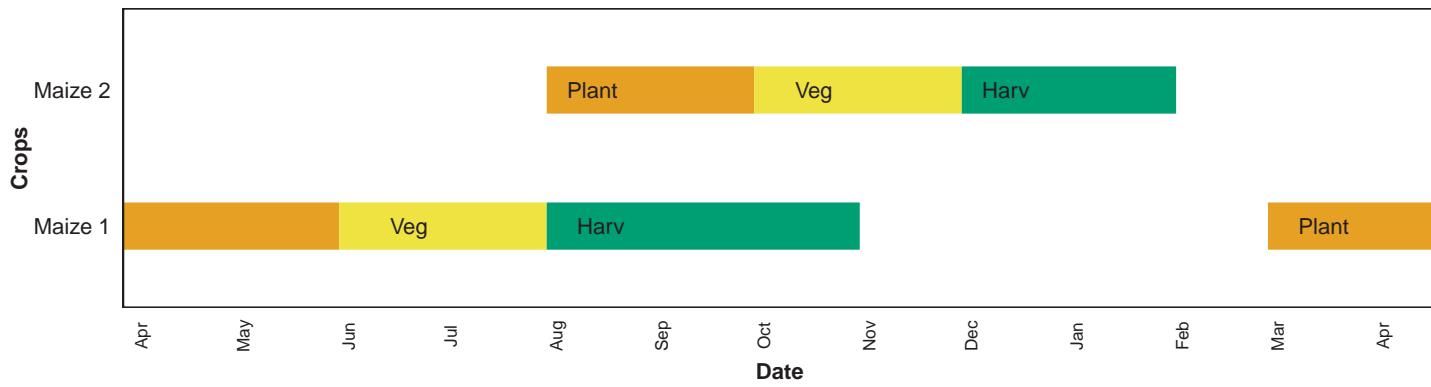


Cameroon

Cameroon cases over time



Cameroon West



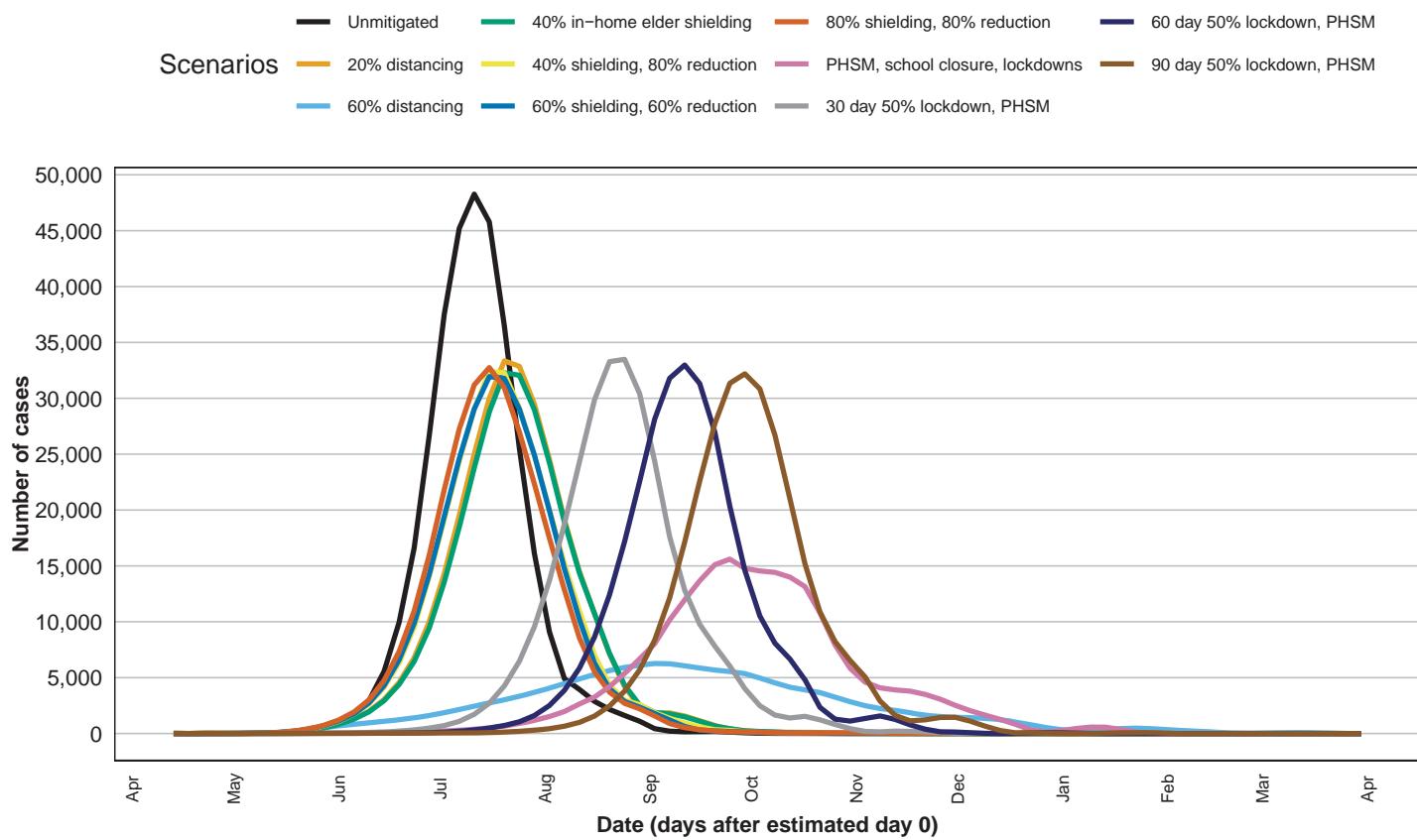
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AACF Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

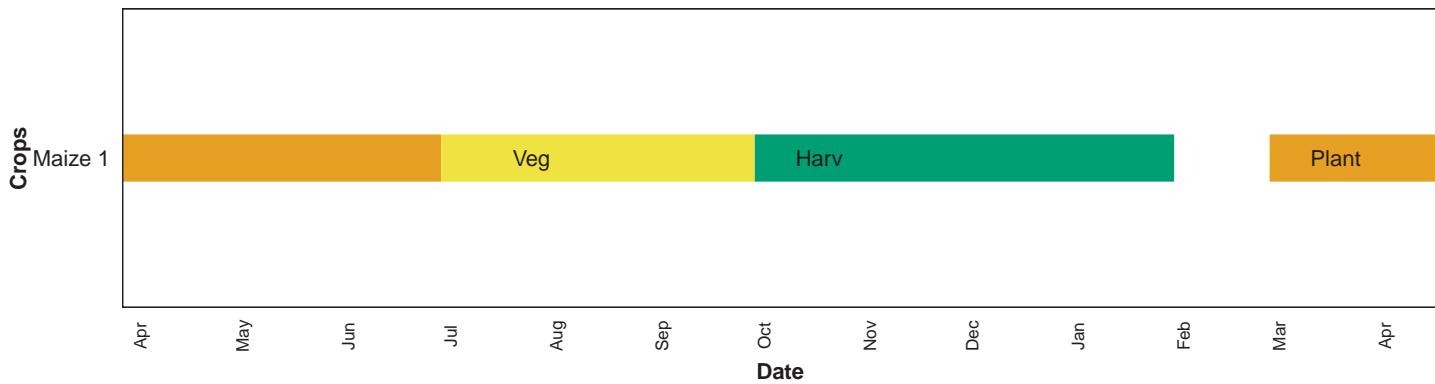


Central African Republic

Central African Republic cases over time



Central African Republic Central



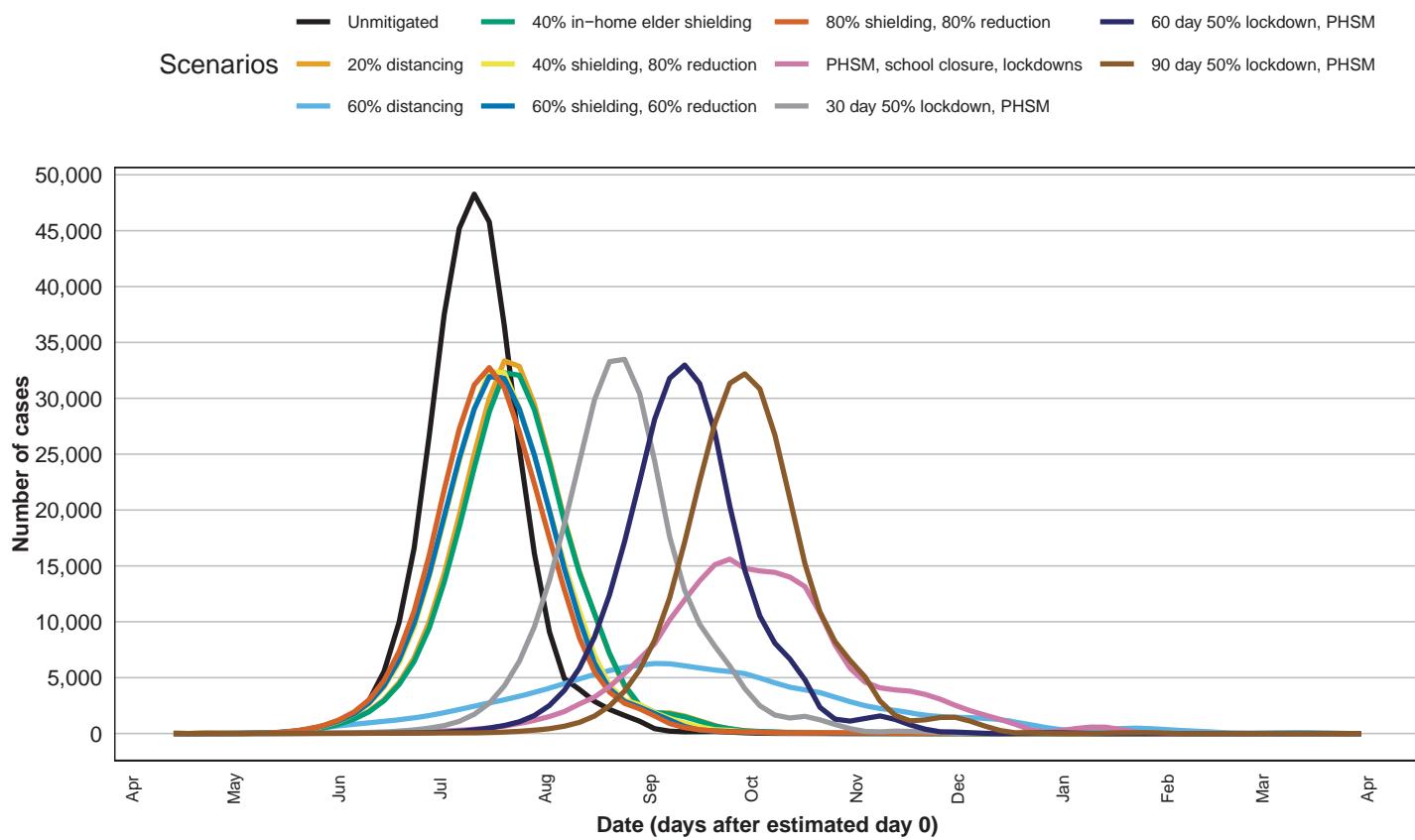
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

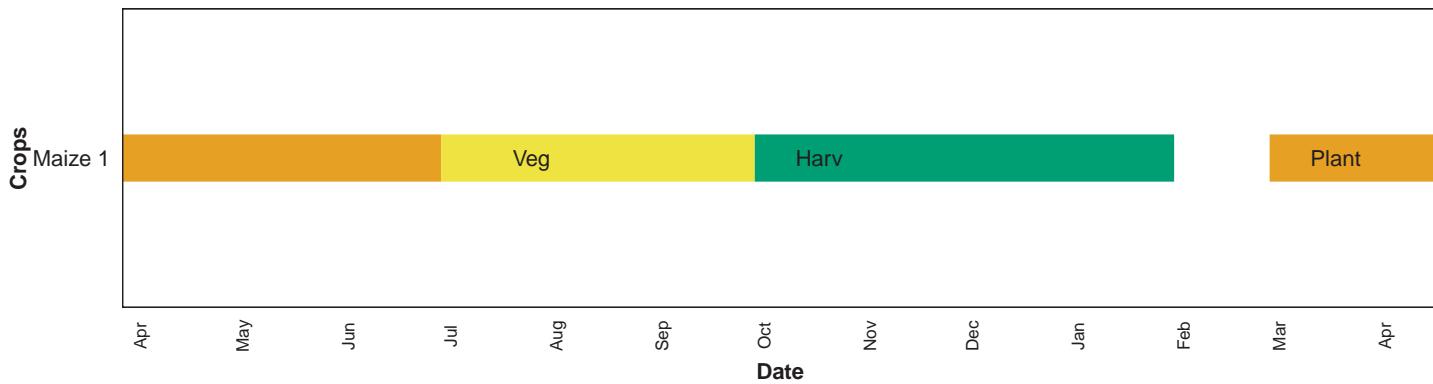


Central African Republic

Central African Republic cases over time



Central African Republic South West



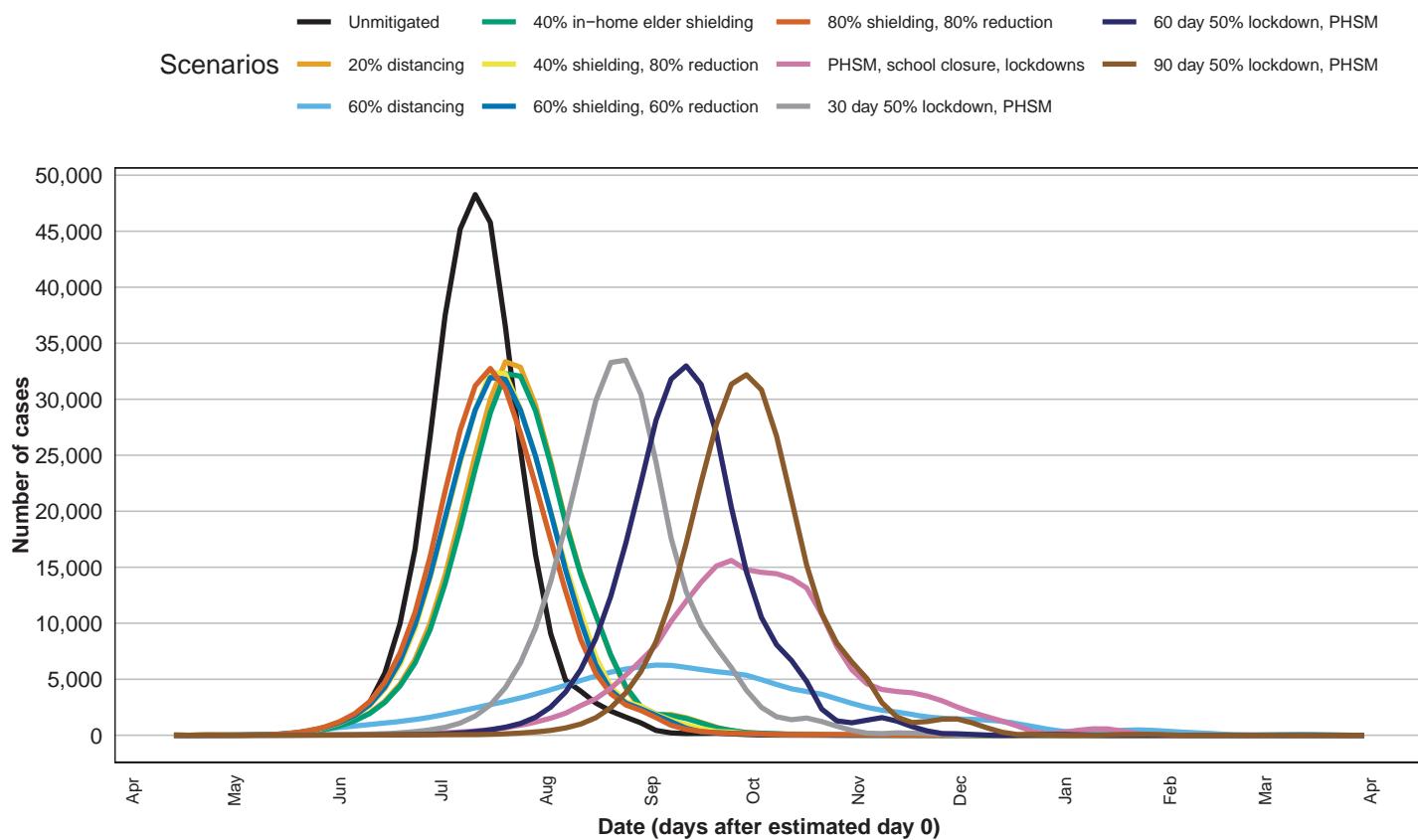
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

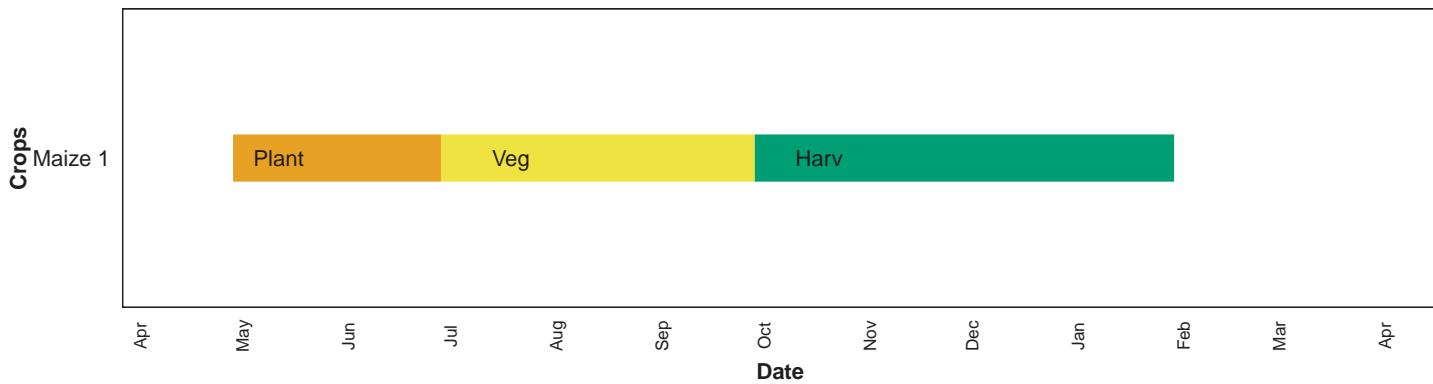


Central African Republic

Central African Republic cases over time



Central African Republic Vakaga



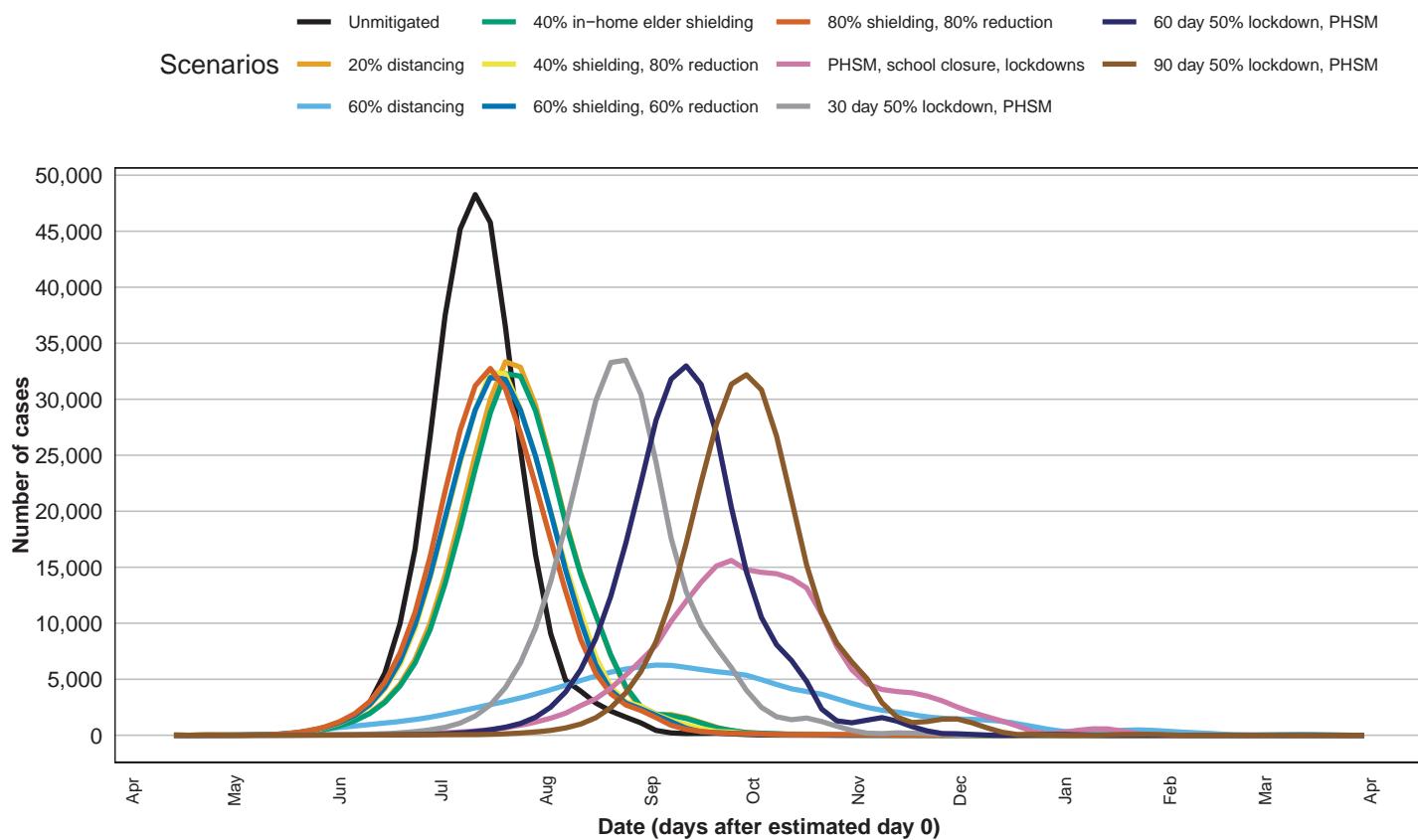
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

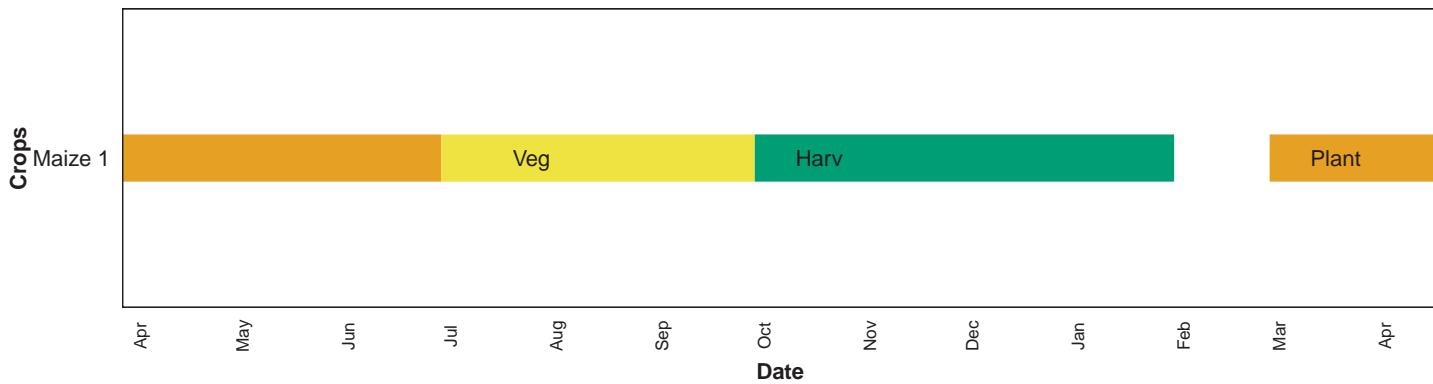


Central African Republic

Central African Republic cases over time



Central African Republic West



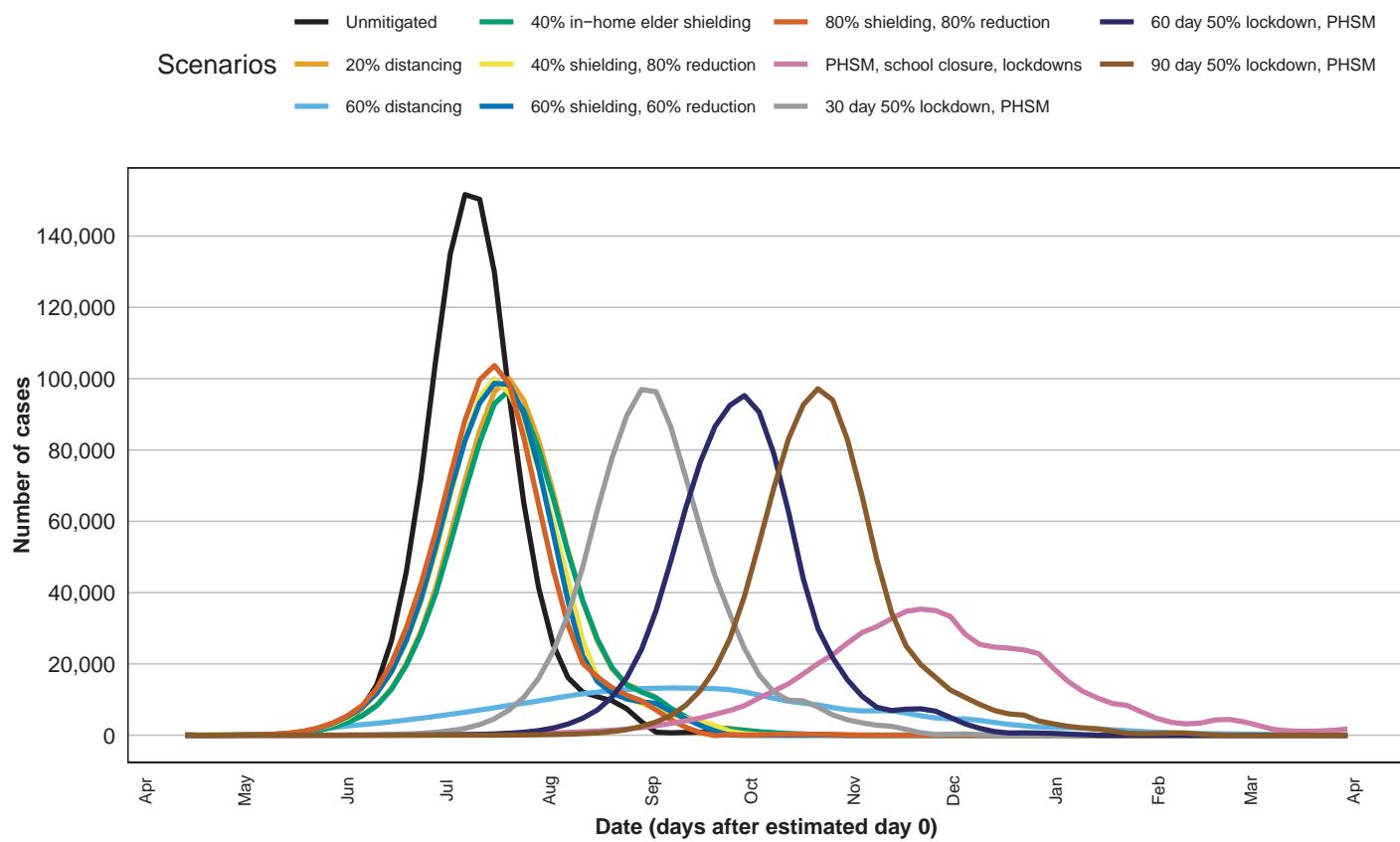
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

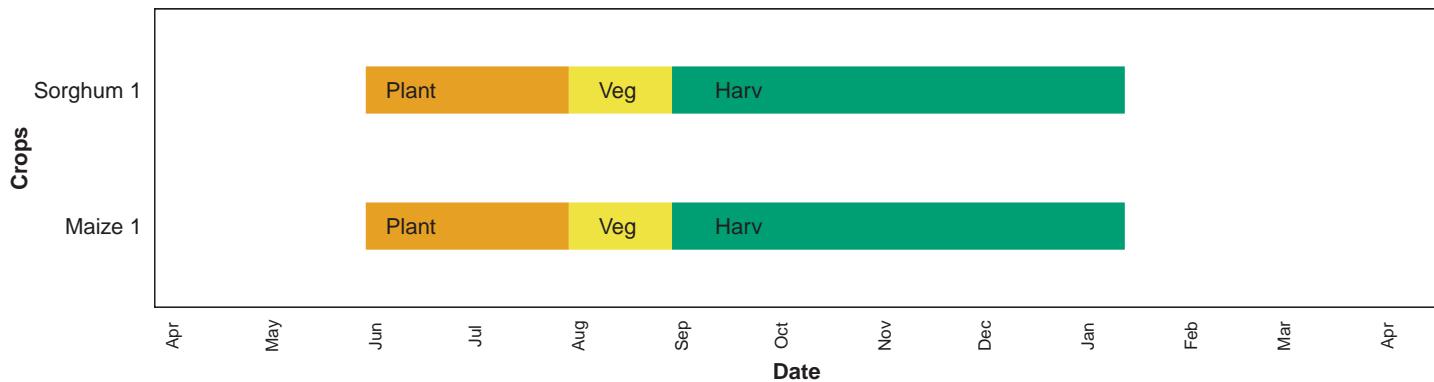


Chad

Chad cases over time



Chad Lac



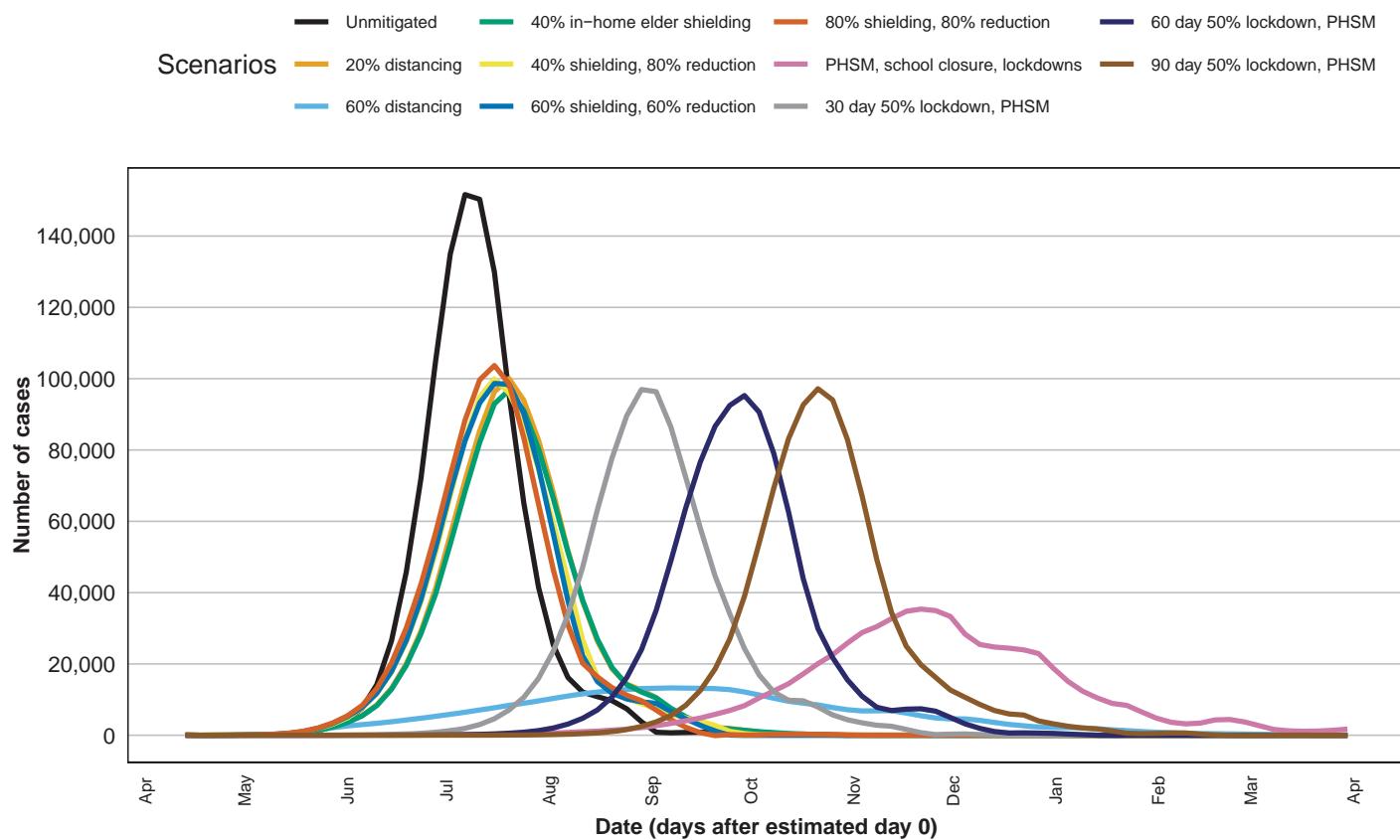
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

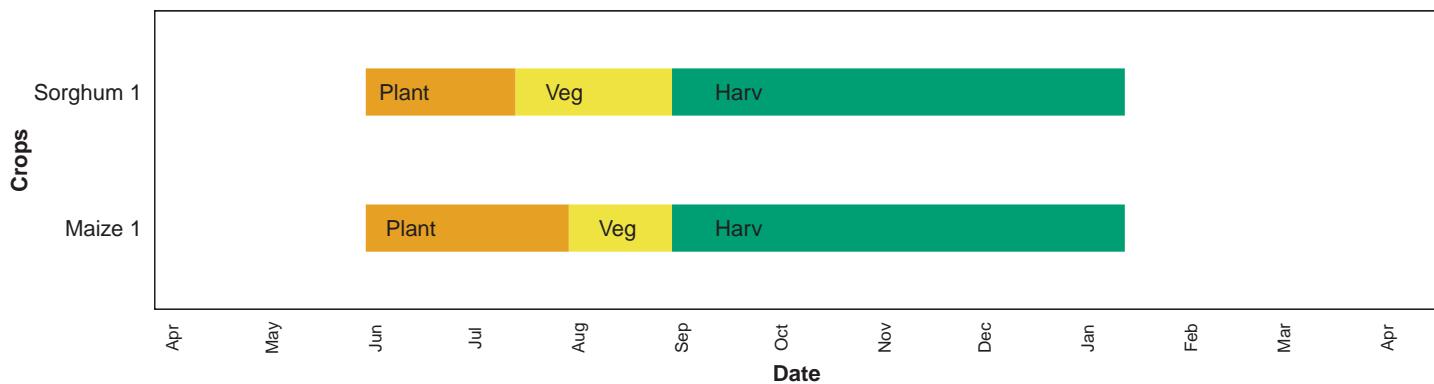


Chad

Chad cases over time



Chad South



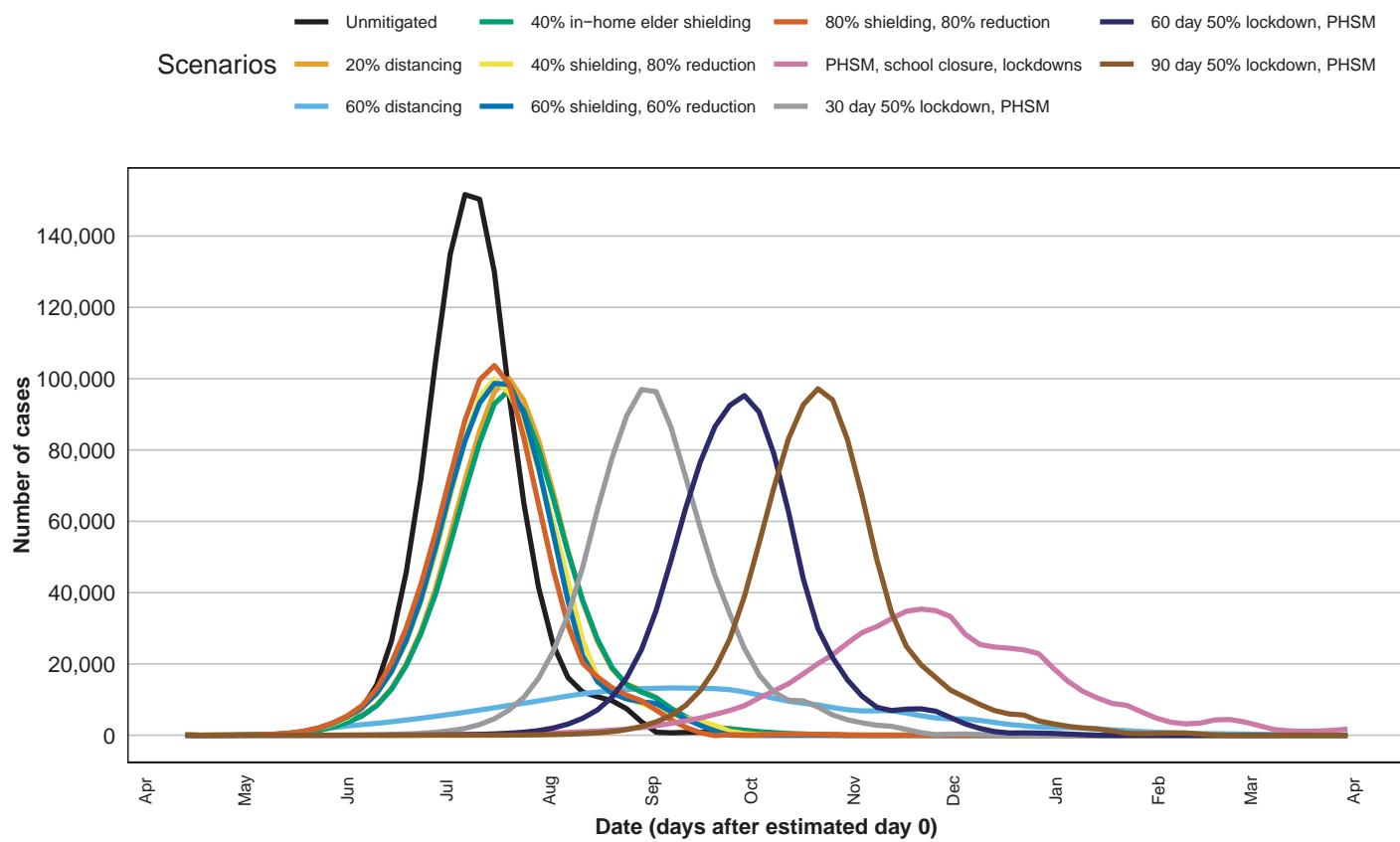
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

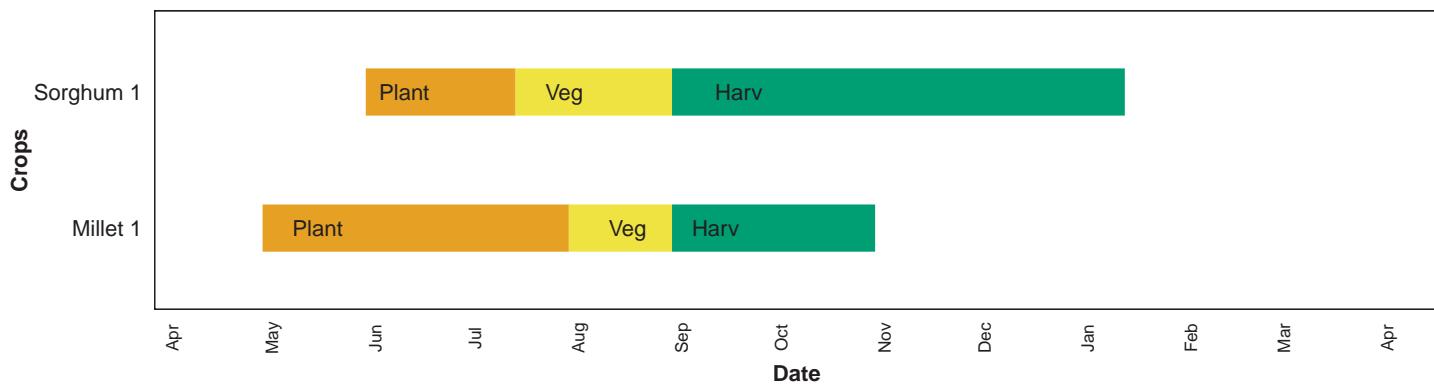


Chad

Chad cases over time

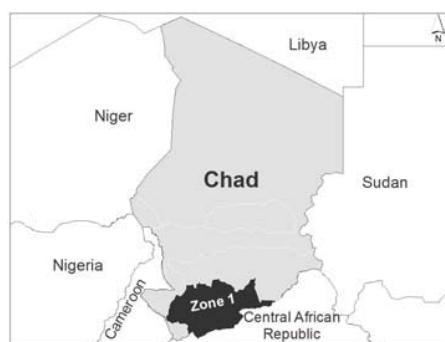


Chad Zone 1



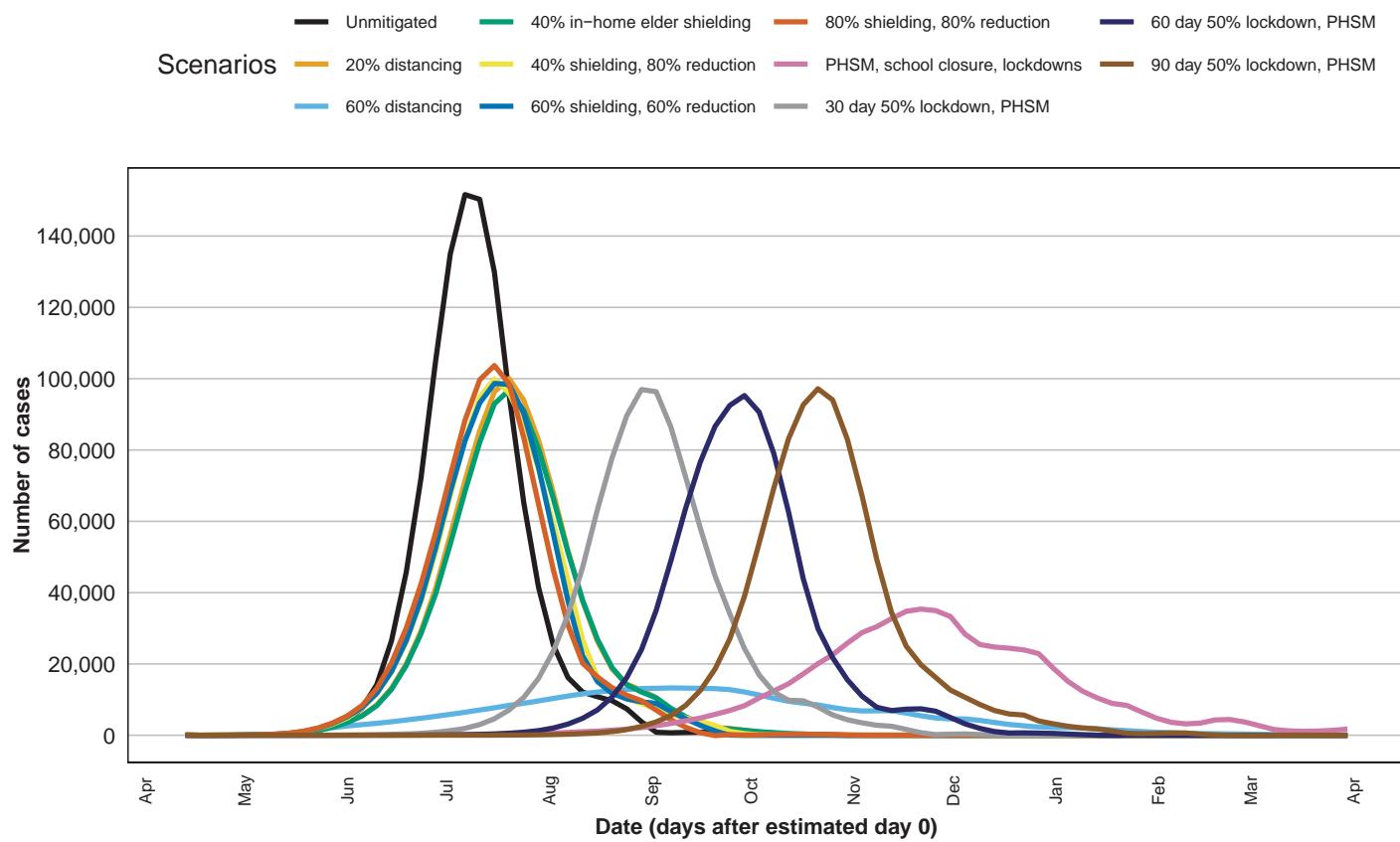
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

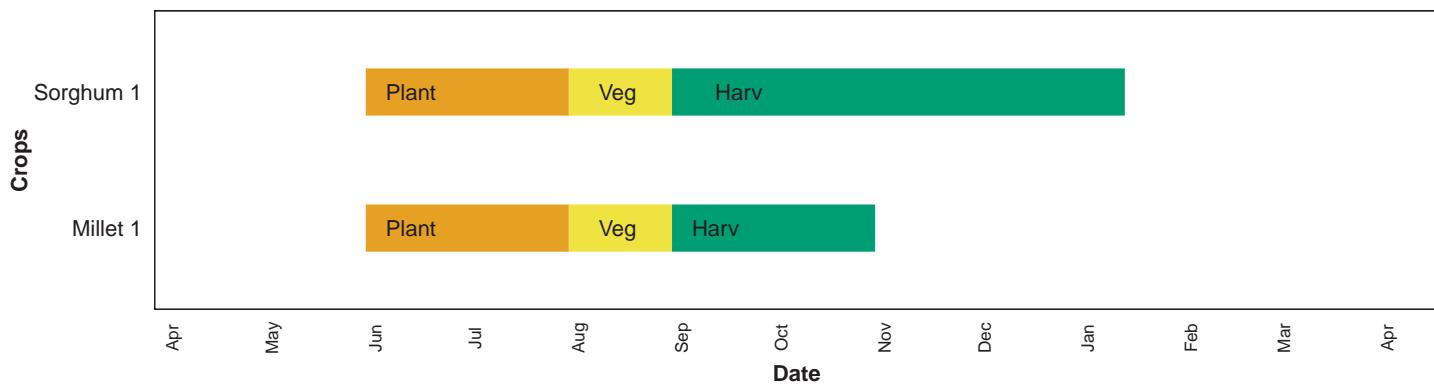


Chad

Chad cases over time

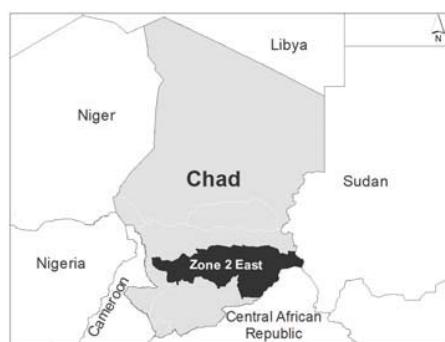


Chad Zone 2 East



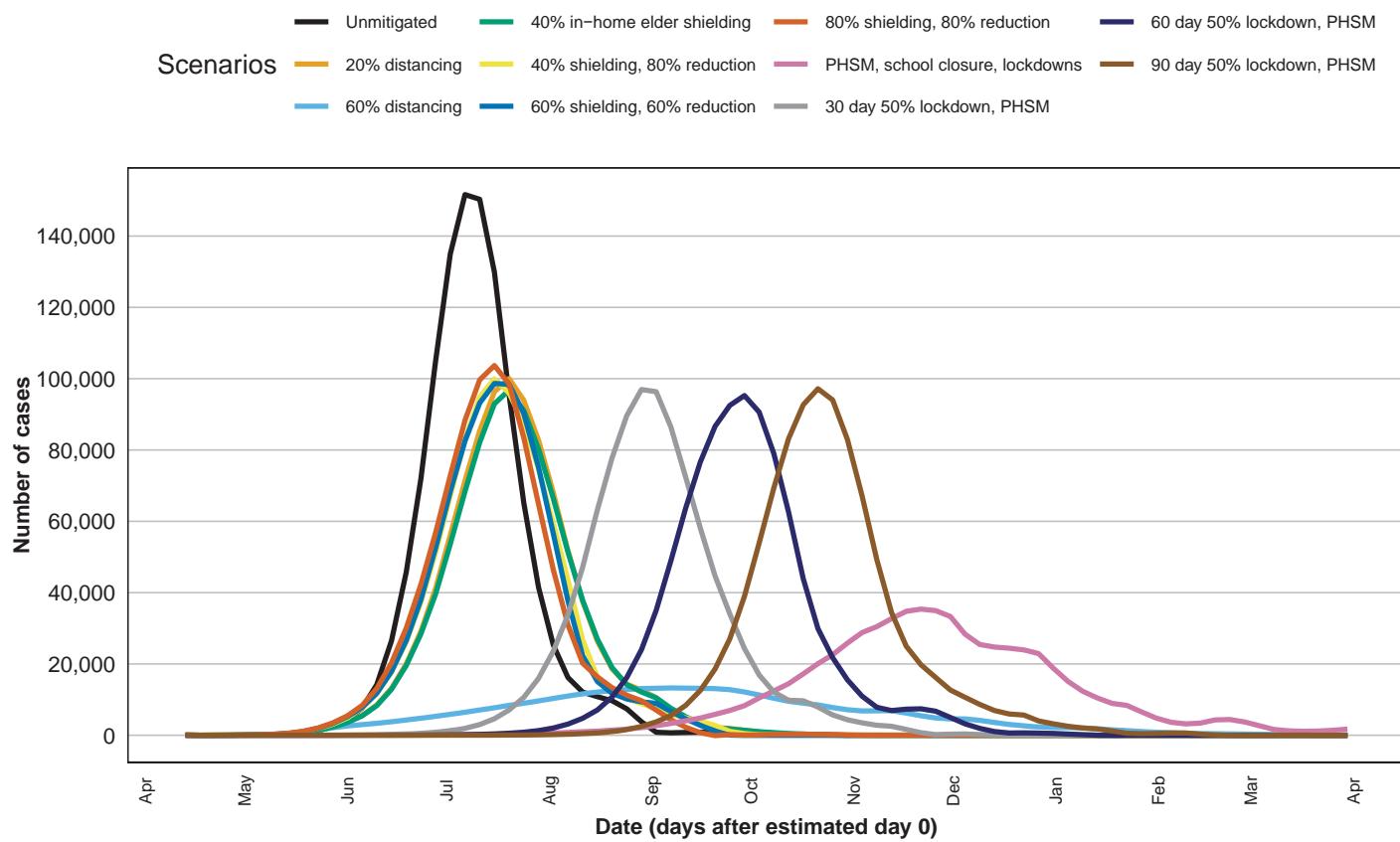
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

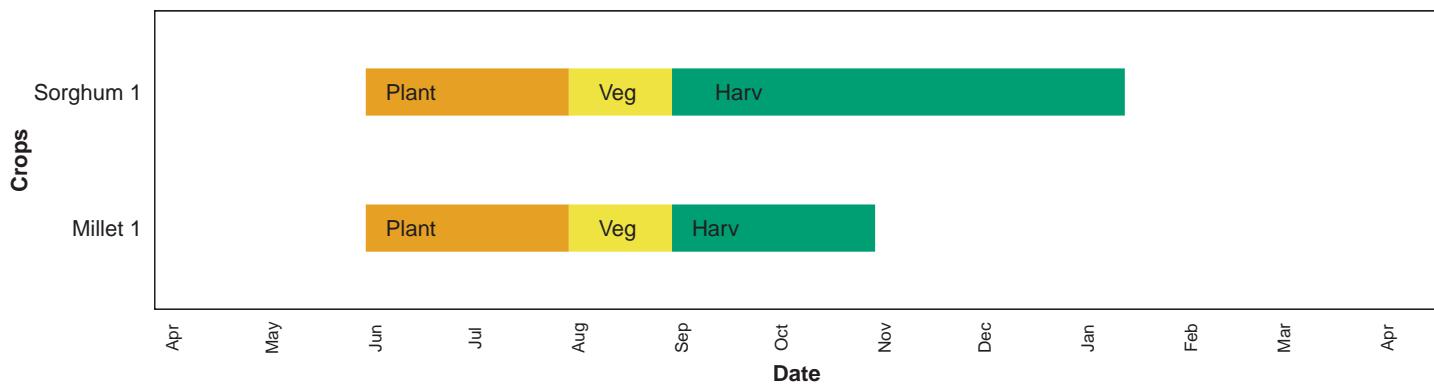


Chad

Chad cases over time

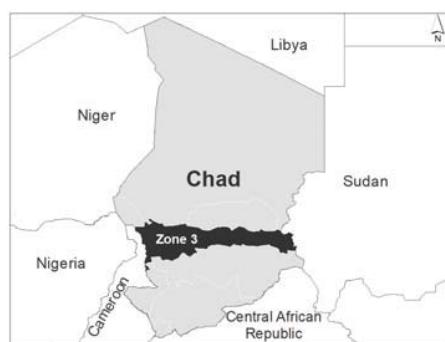


Chad Zone 3



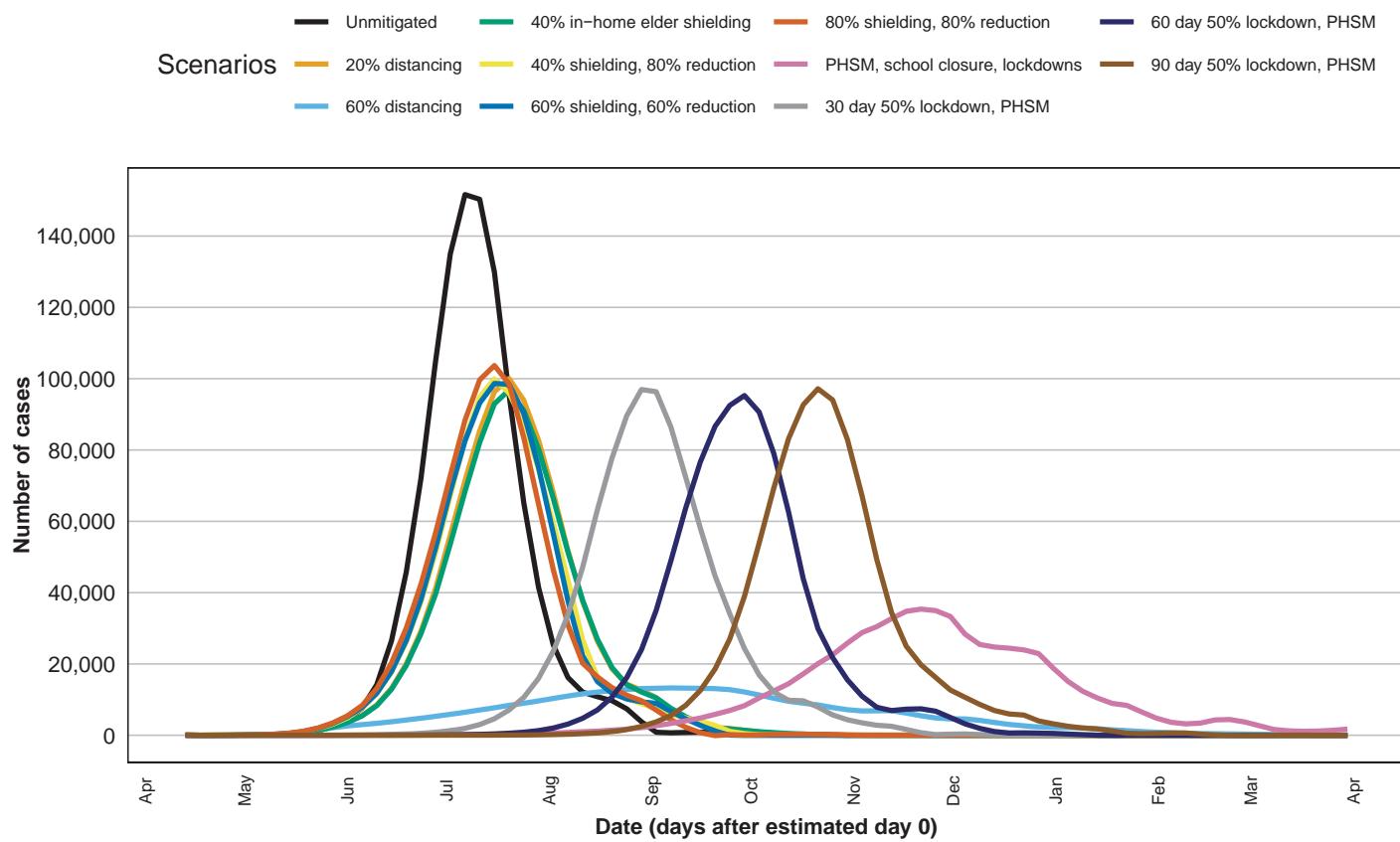
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

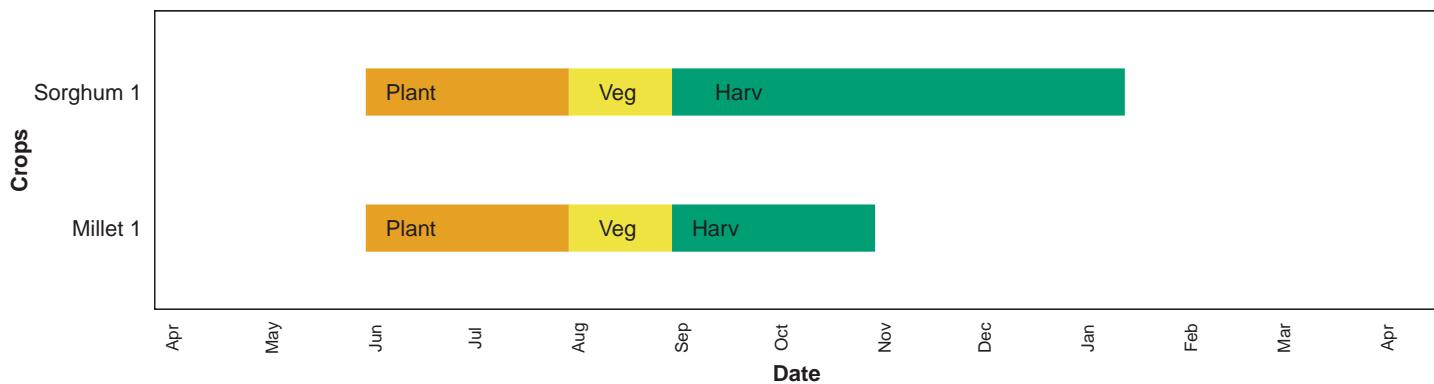


Chad

Chad cases over time

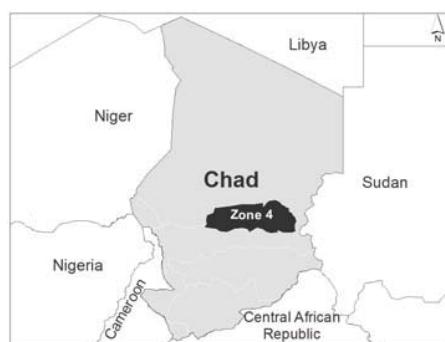


Chad Zone 4



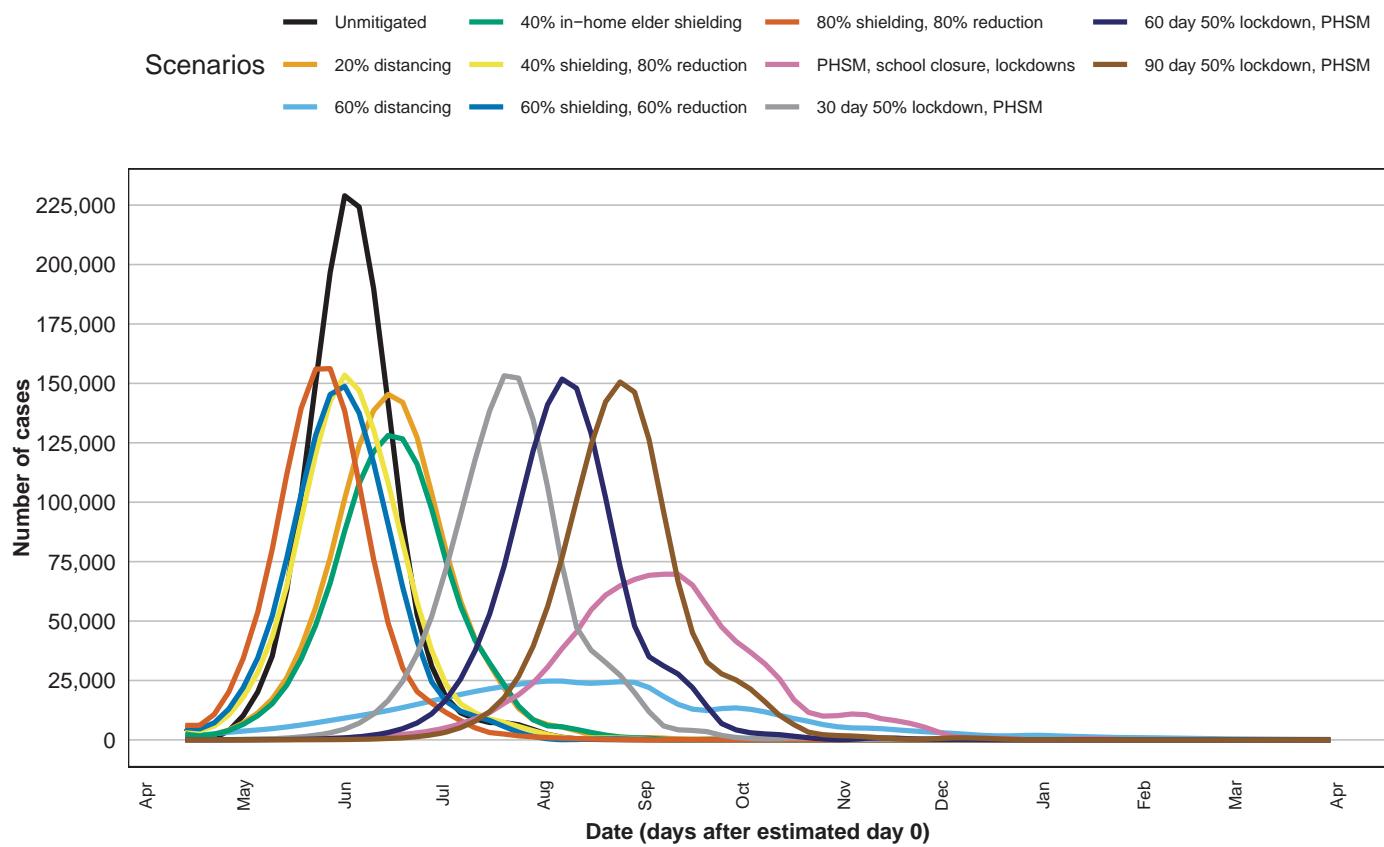
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

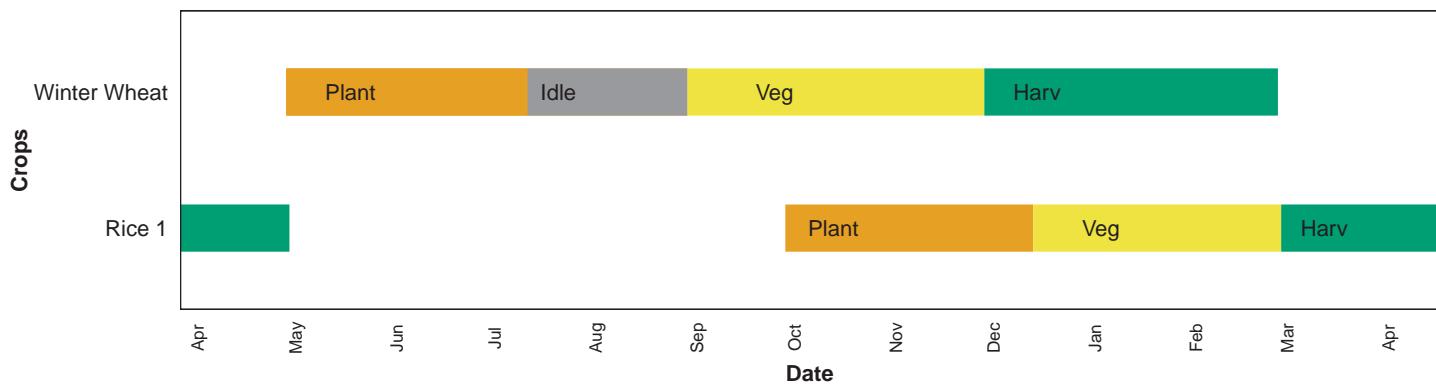


Chile

Chile cases over time



Chile Central



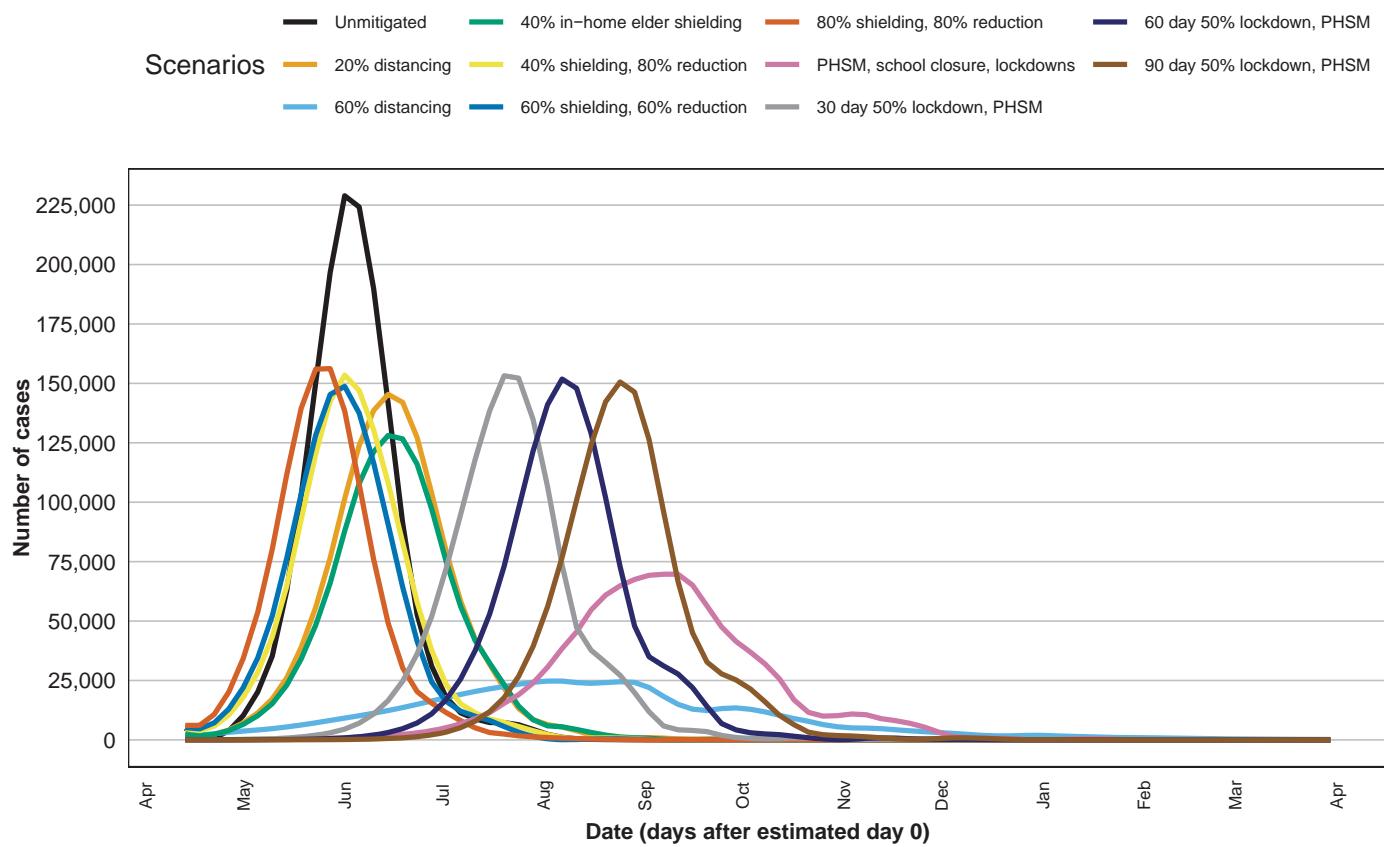
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

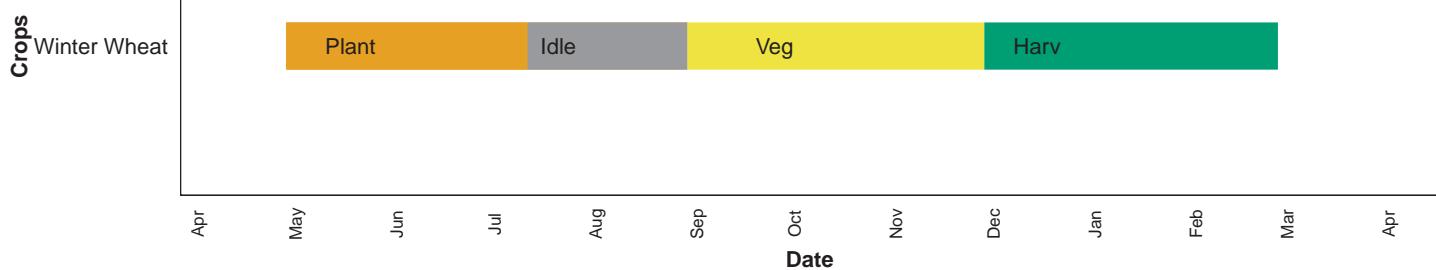


Chile

Chile cases over time

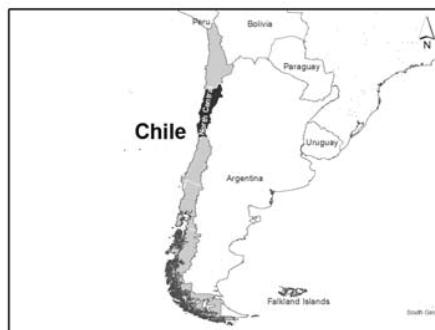


Chile North Central



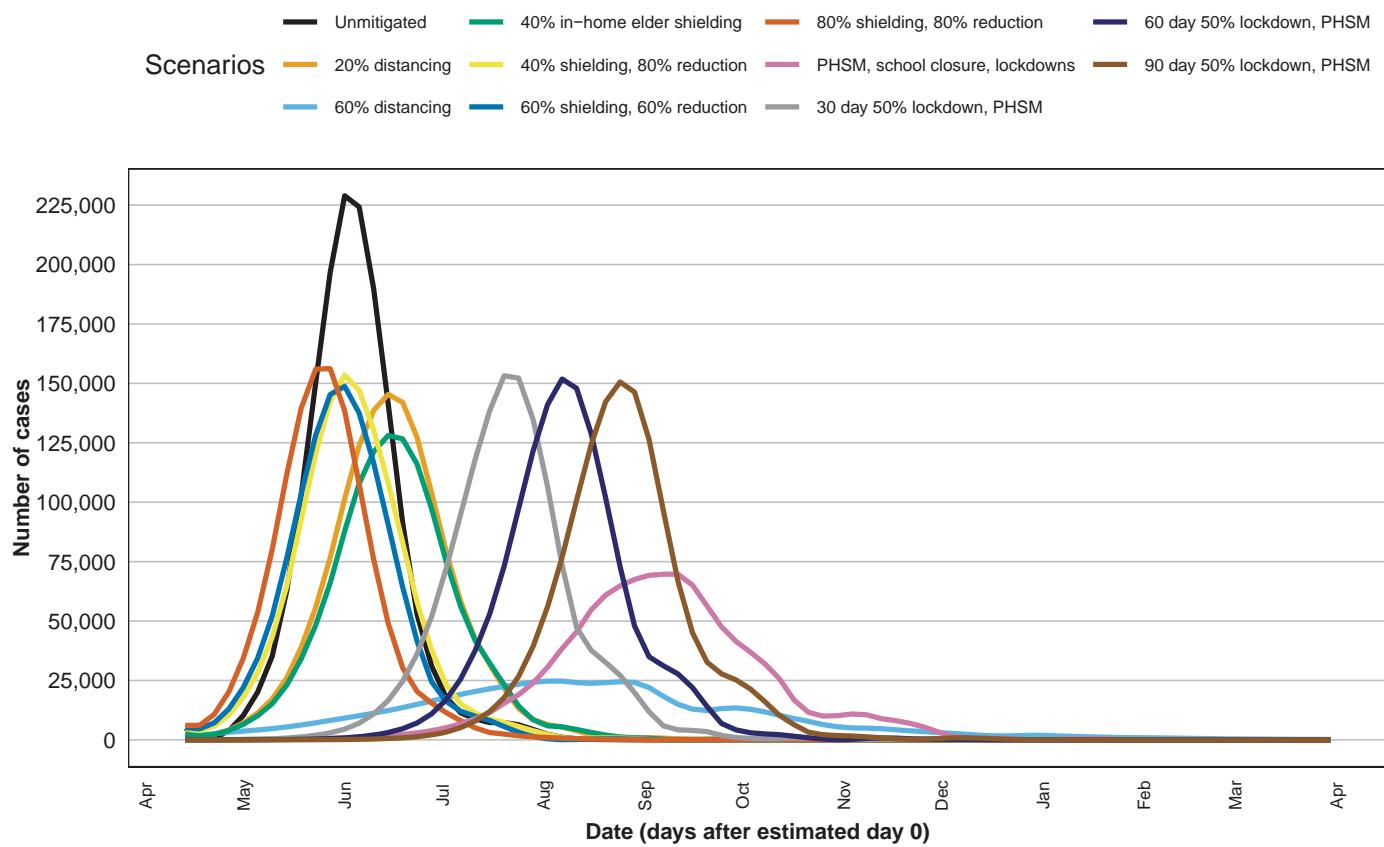
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

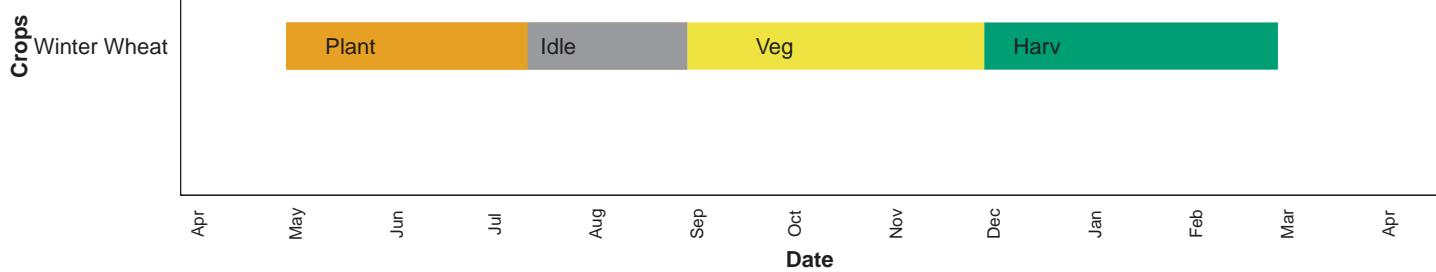


Chile

Chile cases over time



Chile South



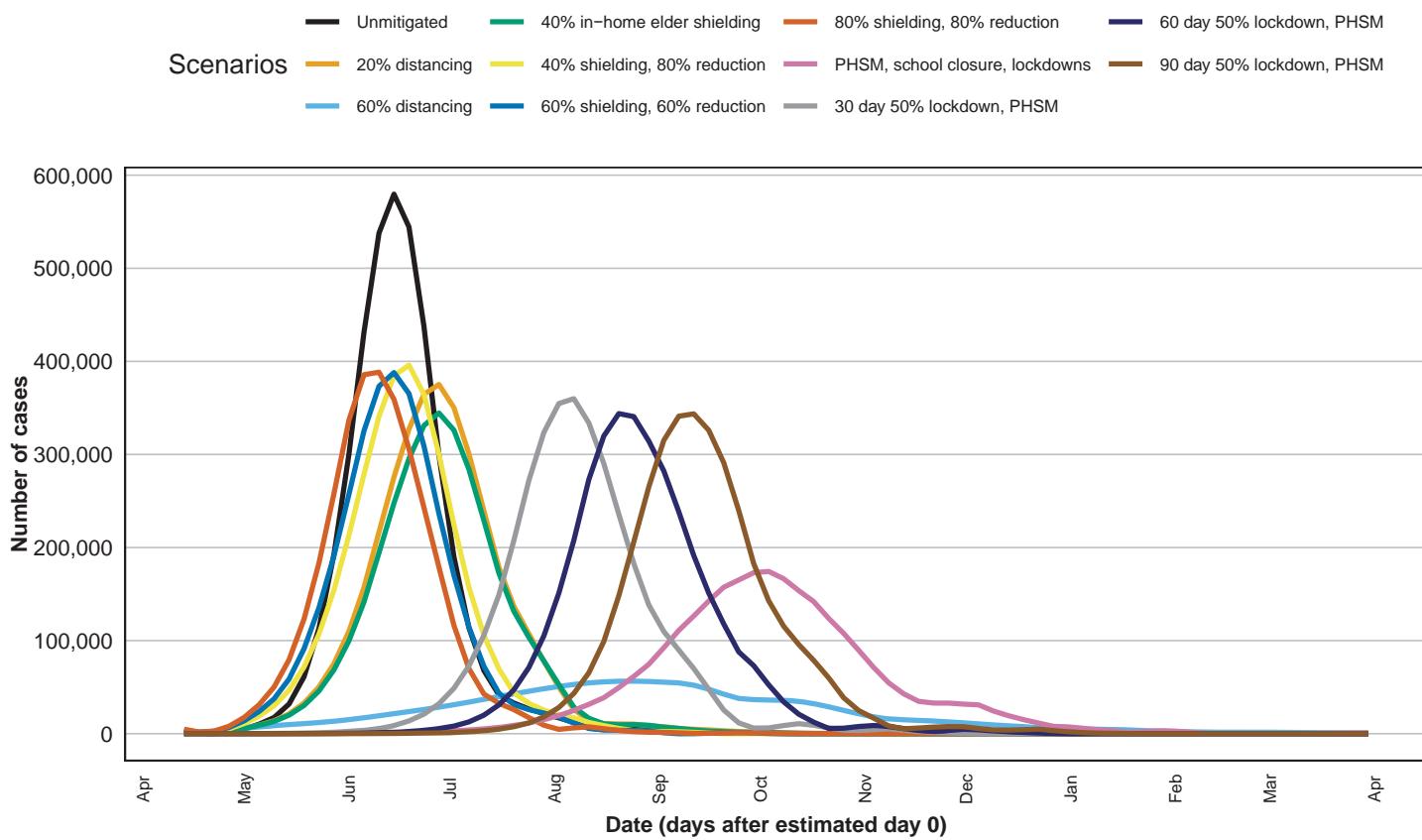
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

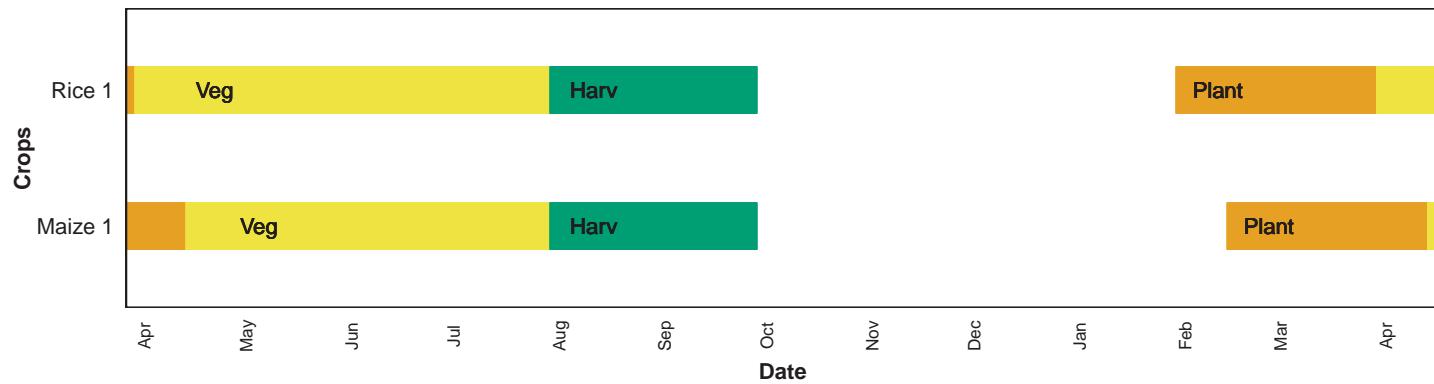


Colombia

Colombia cases over time



Colombia



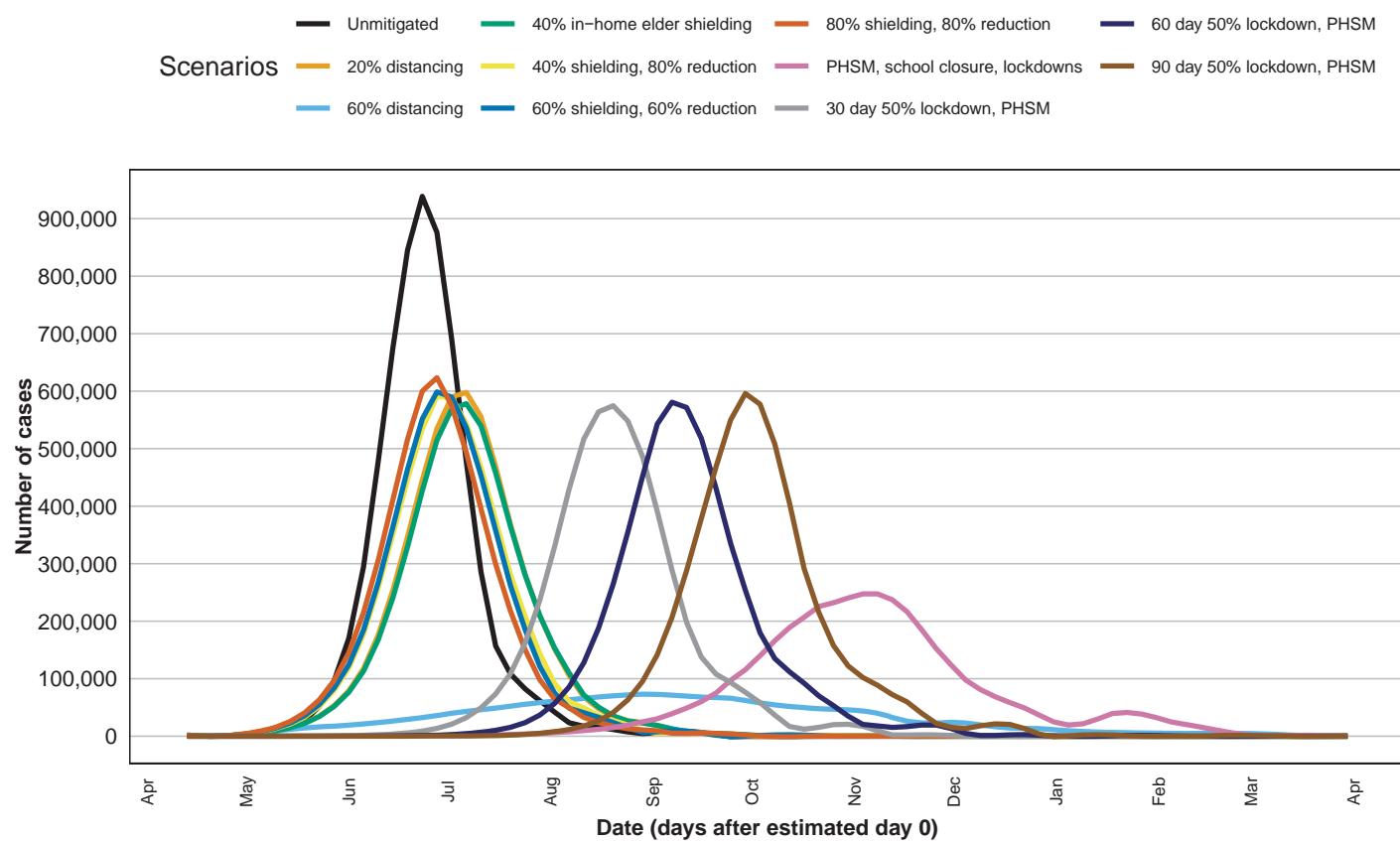
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

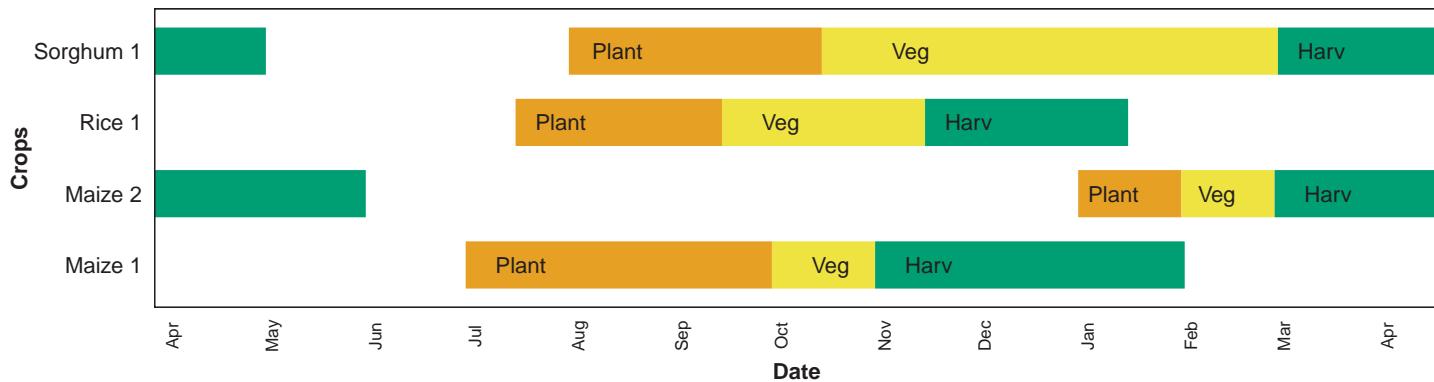


Congo (Kinshasa)

Congo (Kinshasa) cases over time



Congo (Kinshasa) Central



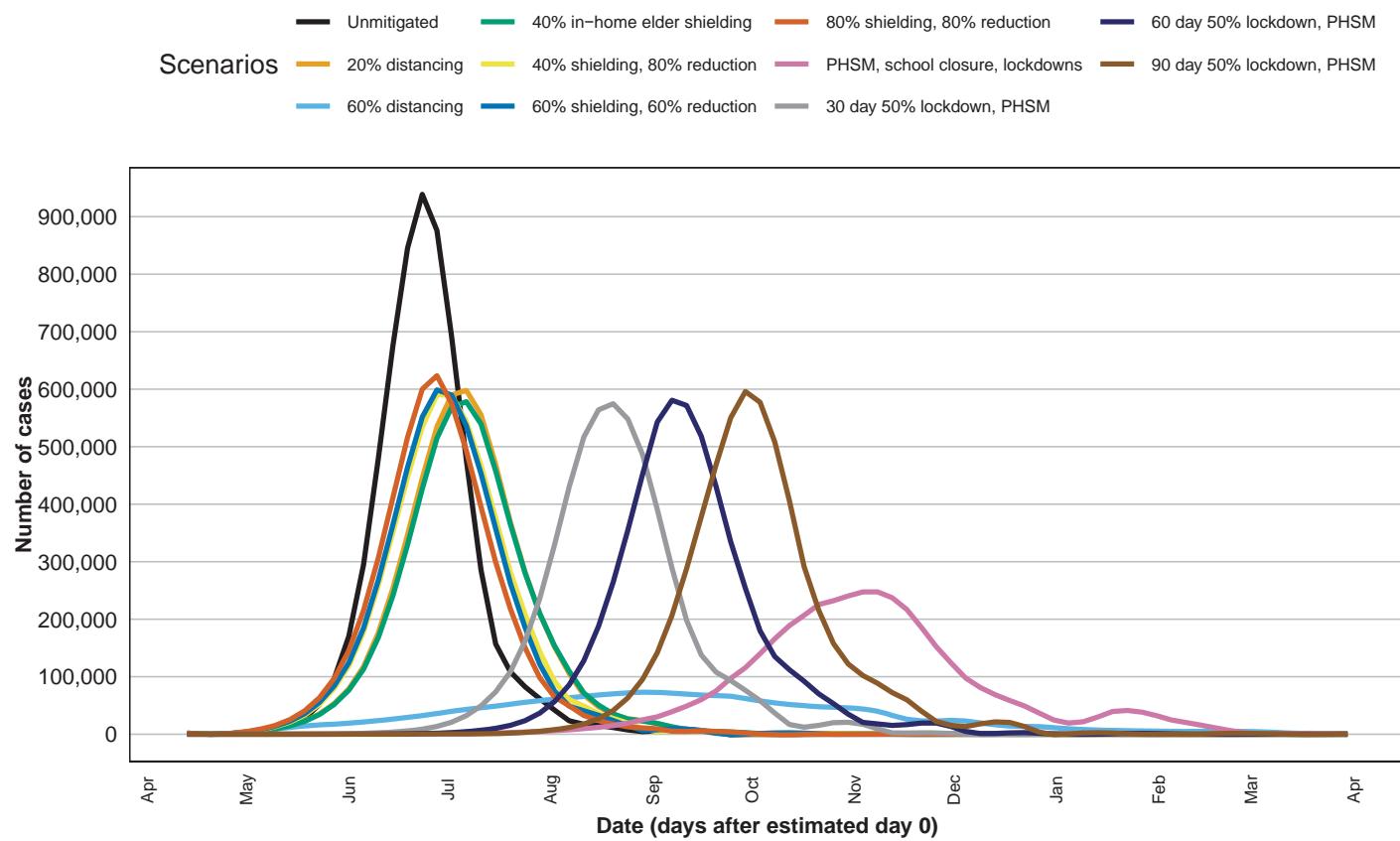
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

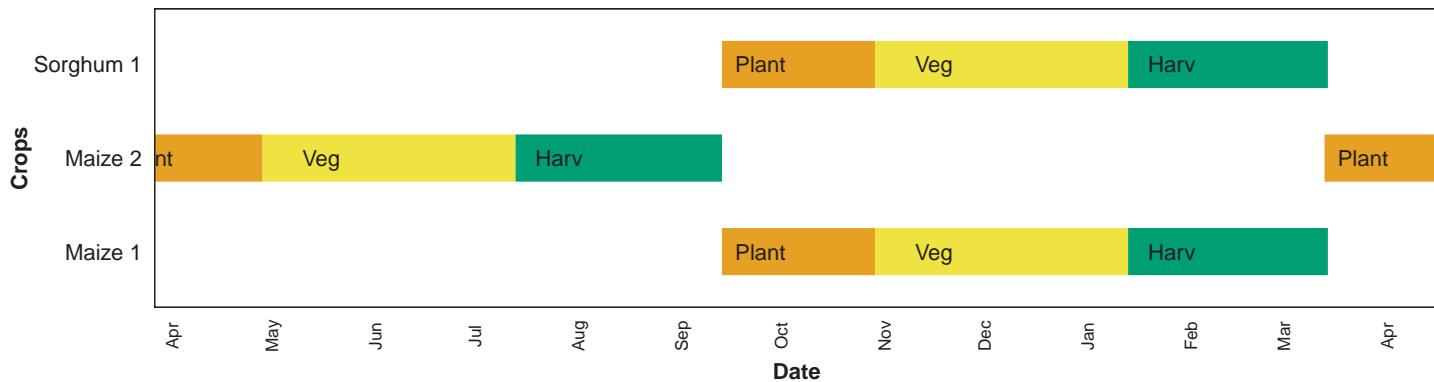


Congo (Kinshasa)

Congo (Kinshasa) cases over time



Congo (Kinshasa) East



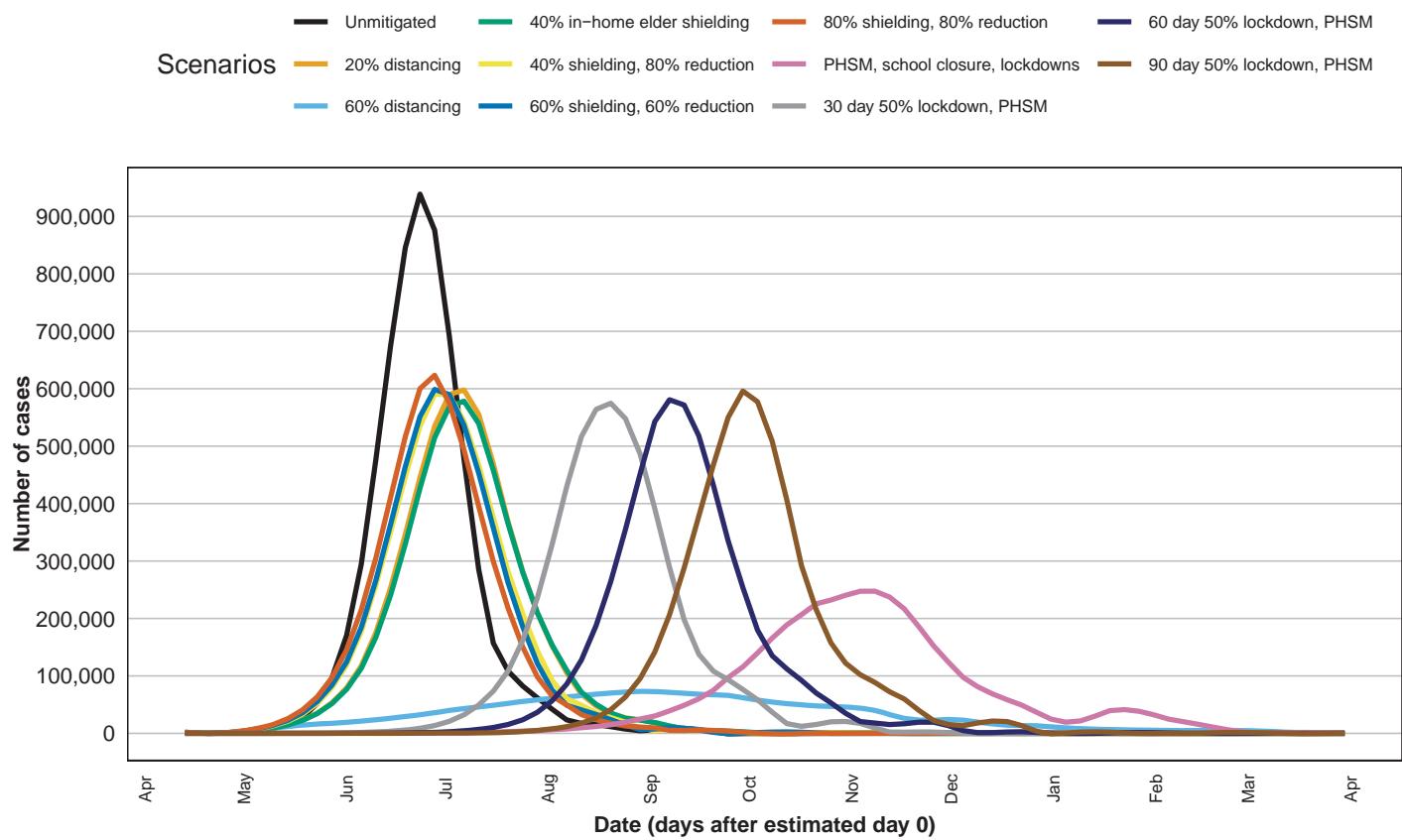
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

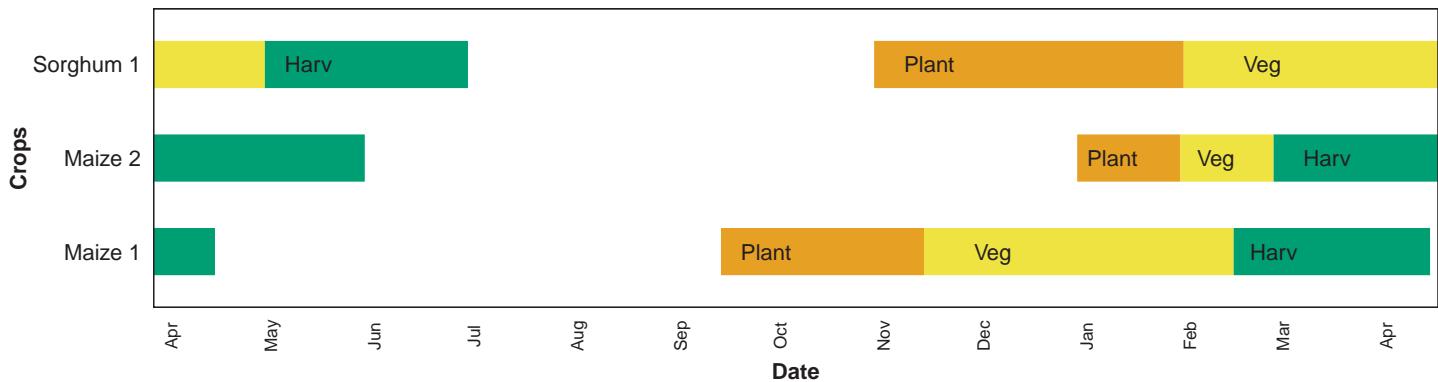


Congo (Kinshasa)

Congo (Kinshasa) cases over time



Congo (Kinshasa) Katanga



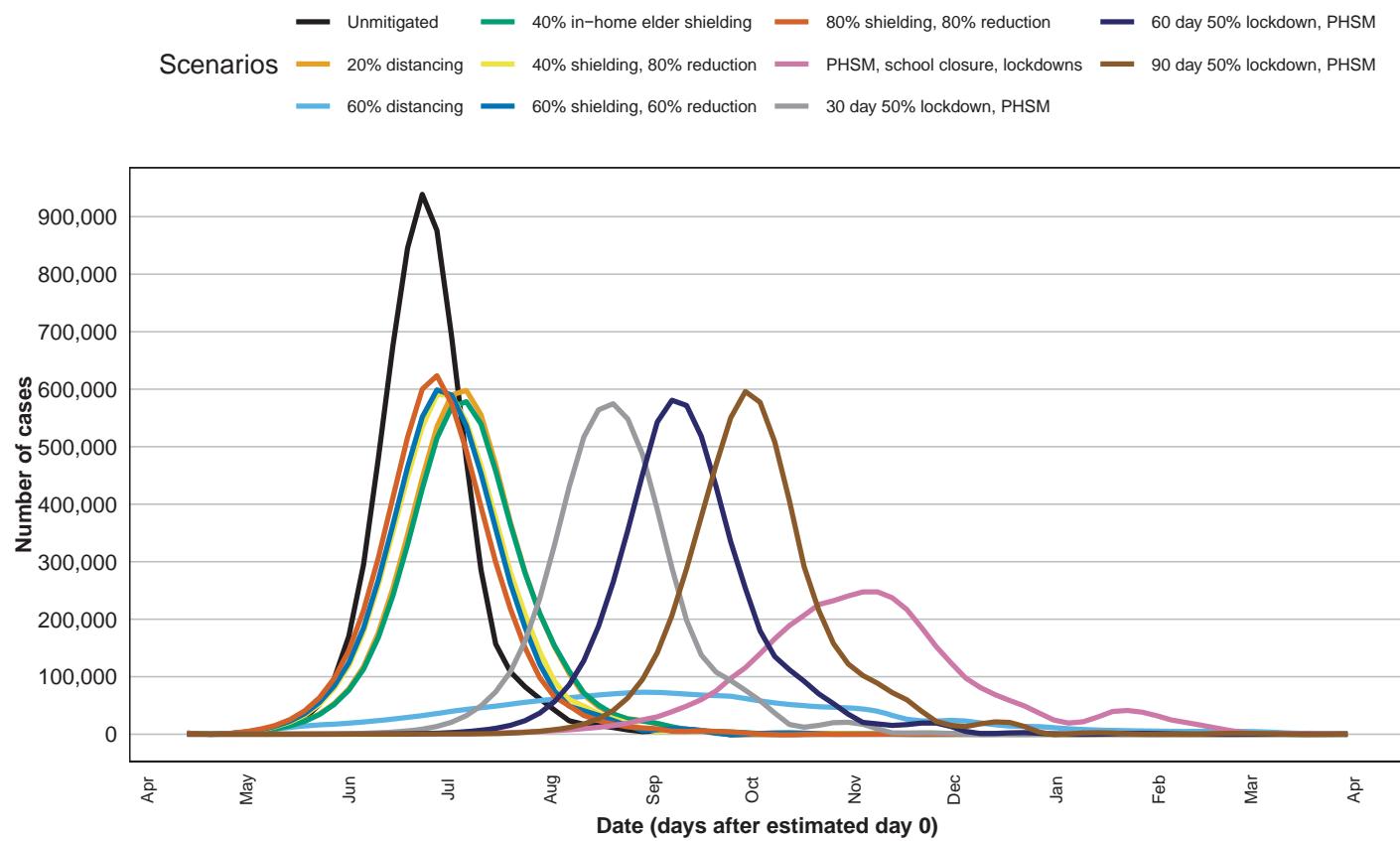
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

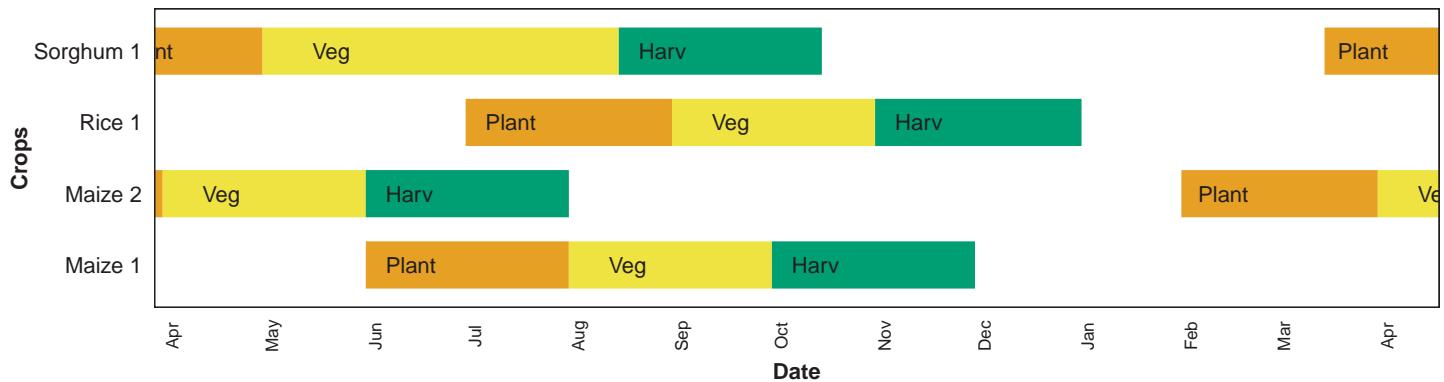


Congo (Kinshasa)

Congo (Kinshasa) cases over time



Congo (Kinshasa) North



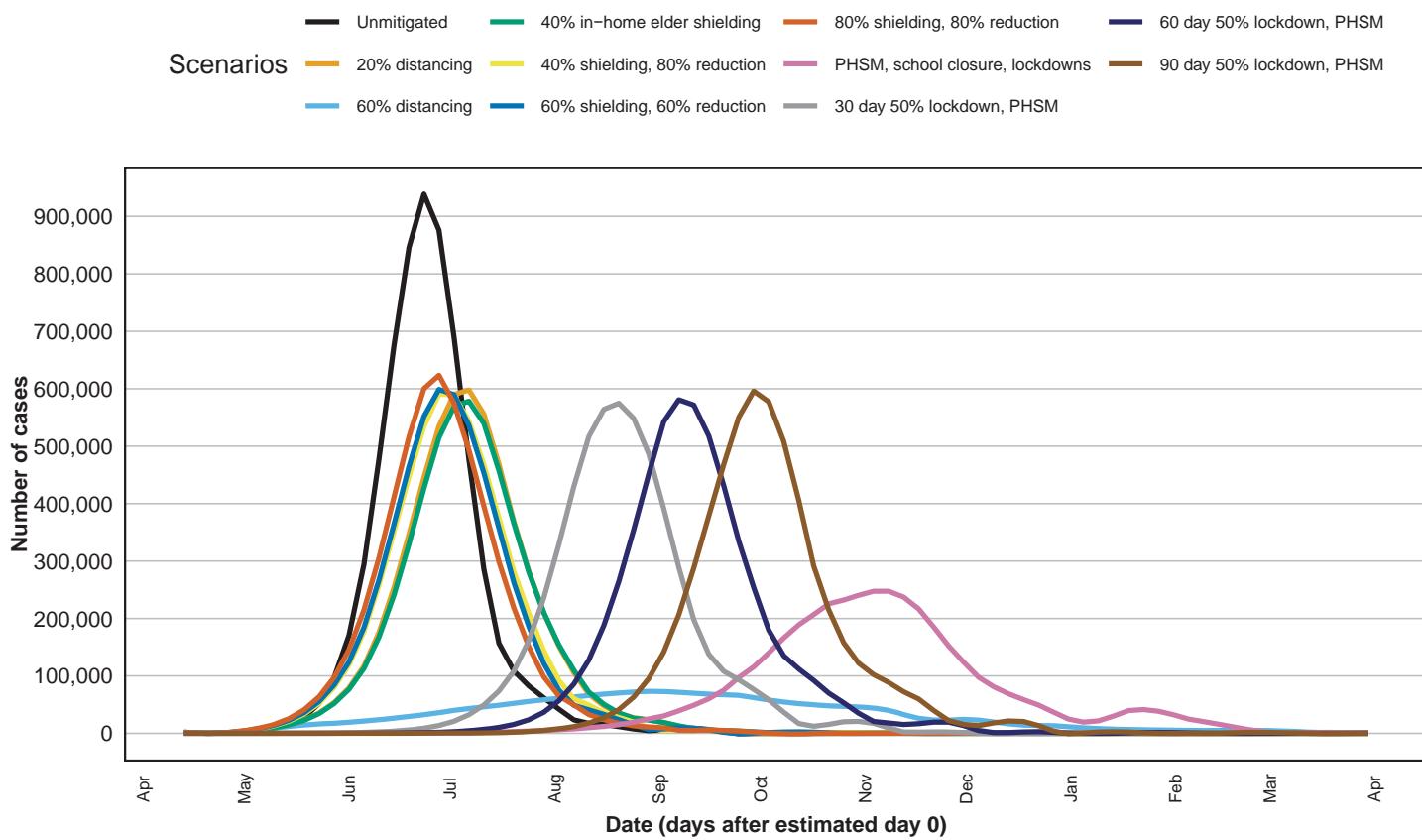
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

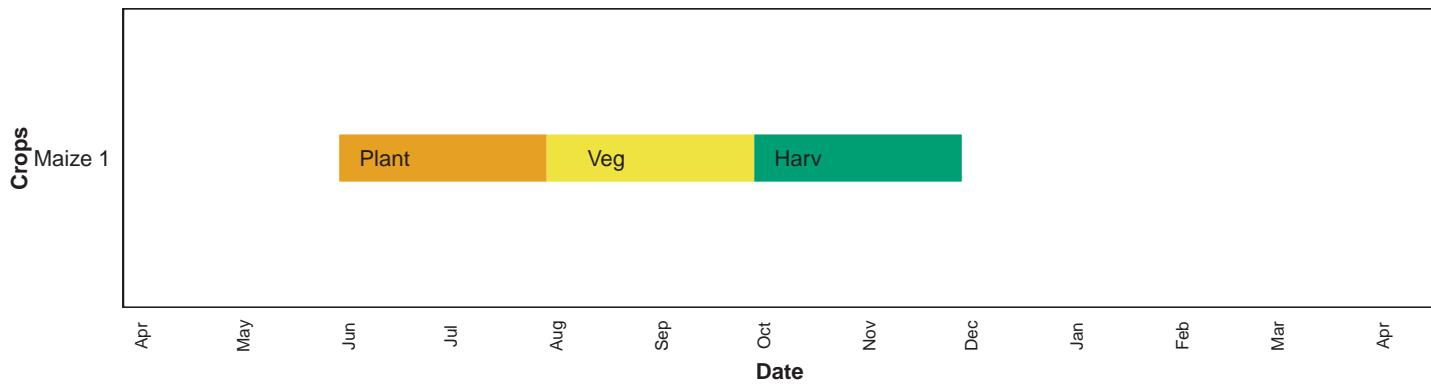


Congo (Kinshasa)

Congo (Kinshasa) cases over time



Congo (Kinshasa) West



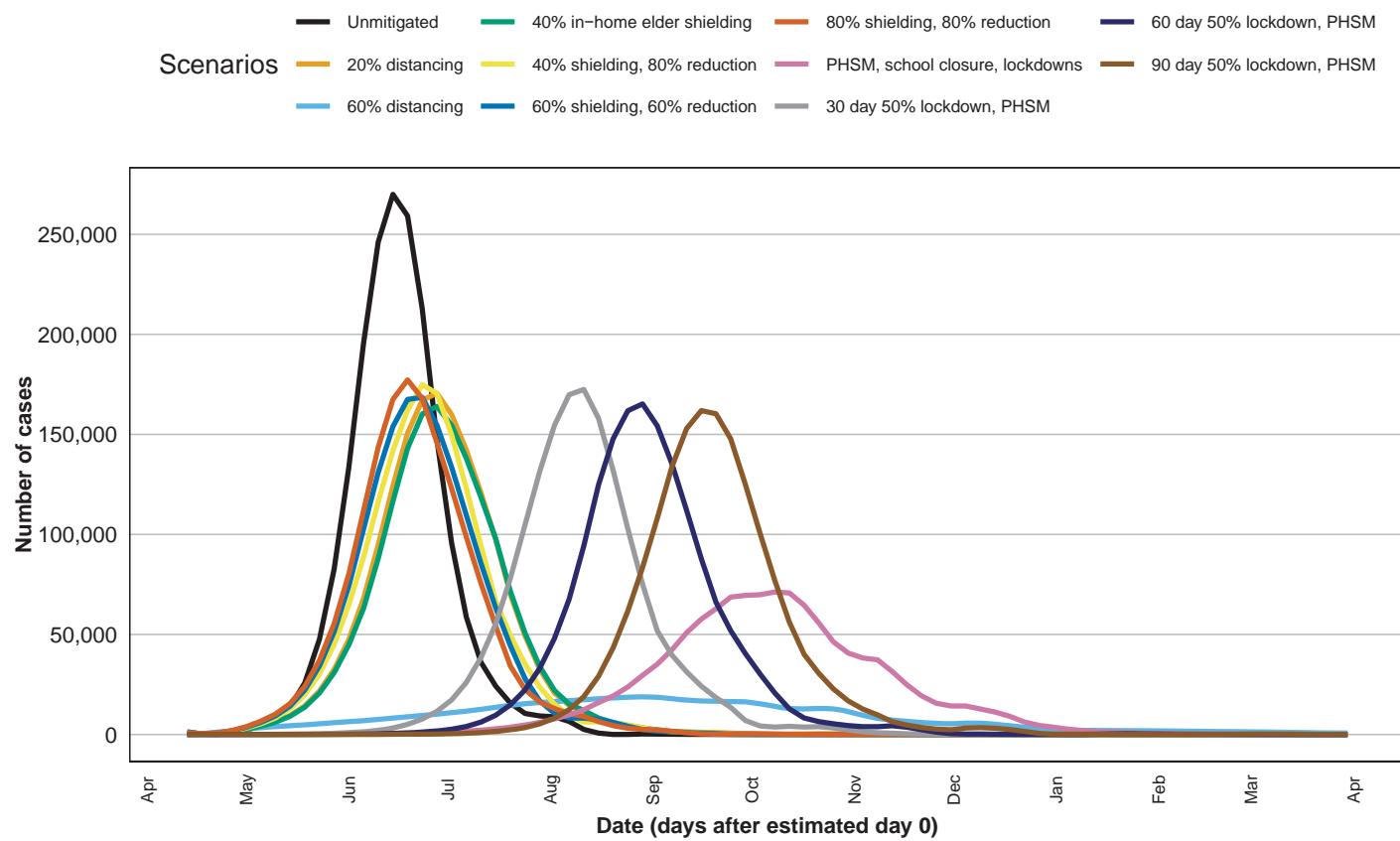
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

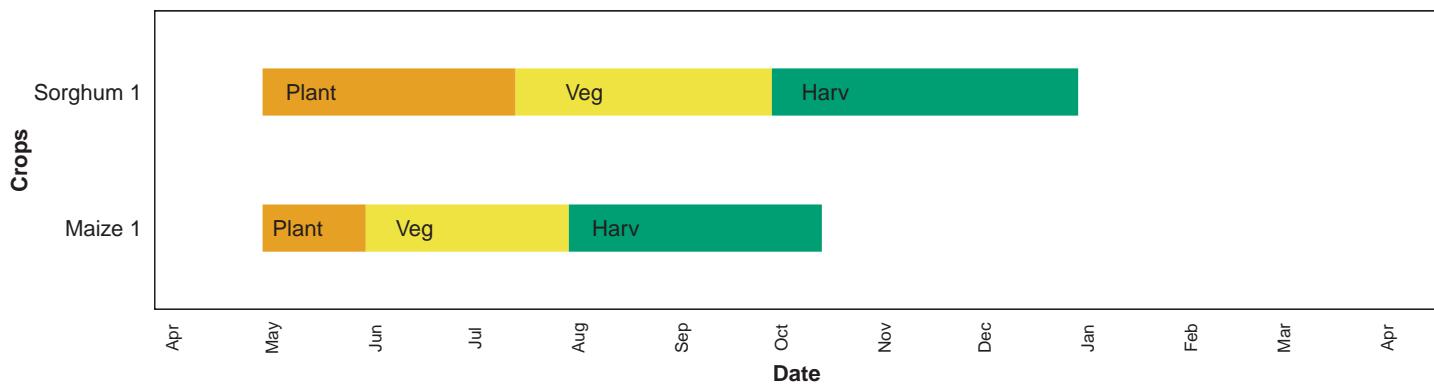


Côte d'Ivoire

Côte d'Ivoire cases over time

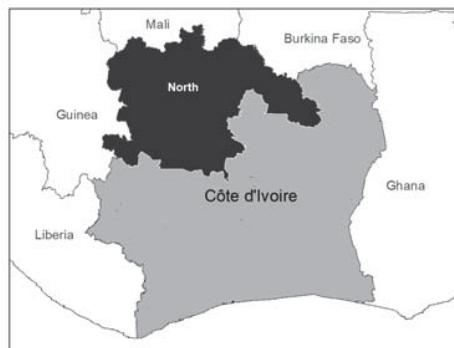


Côte d'Ivoire North



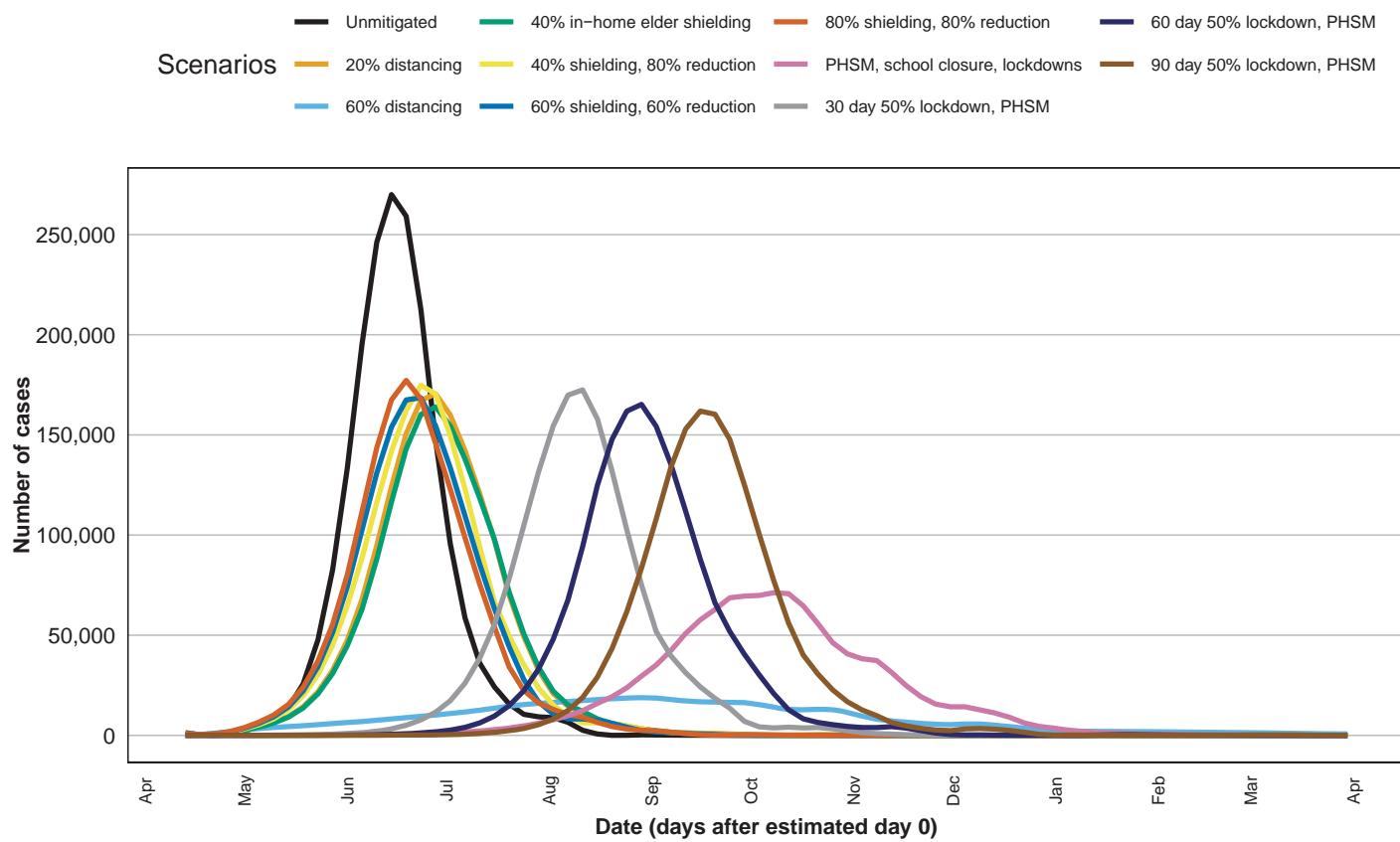
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

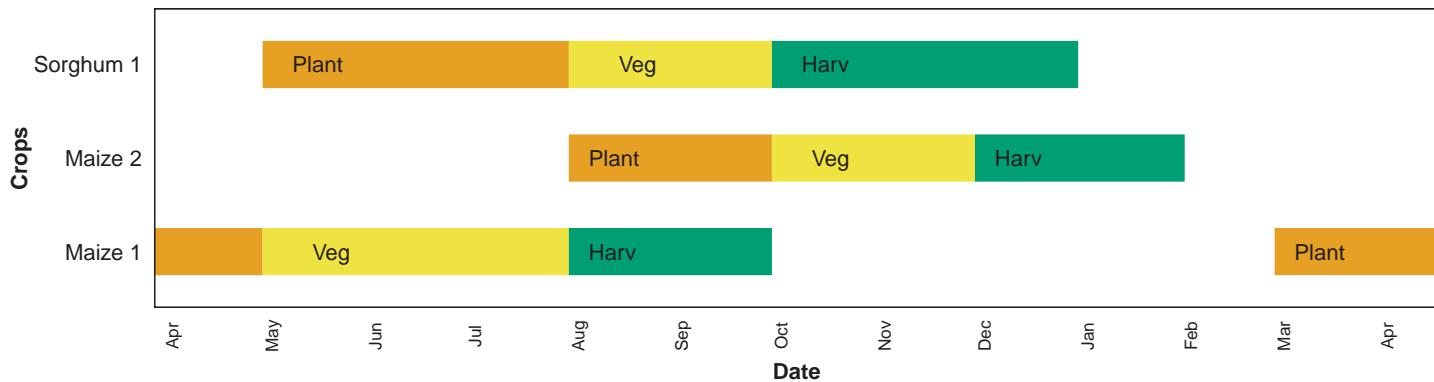


Côte d'Ivoire

Côte d'Ivoire cases over time



Côte d'Ivoire South



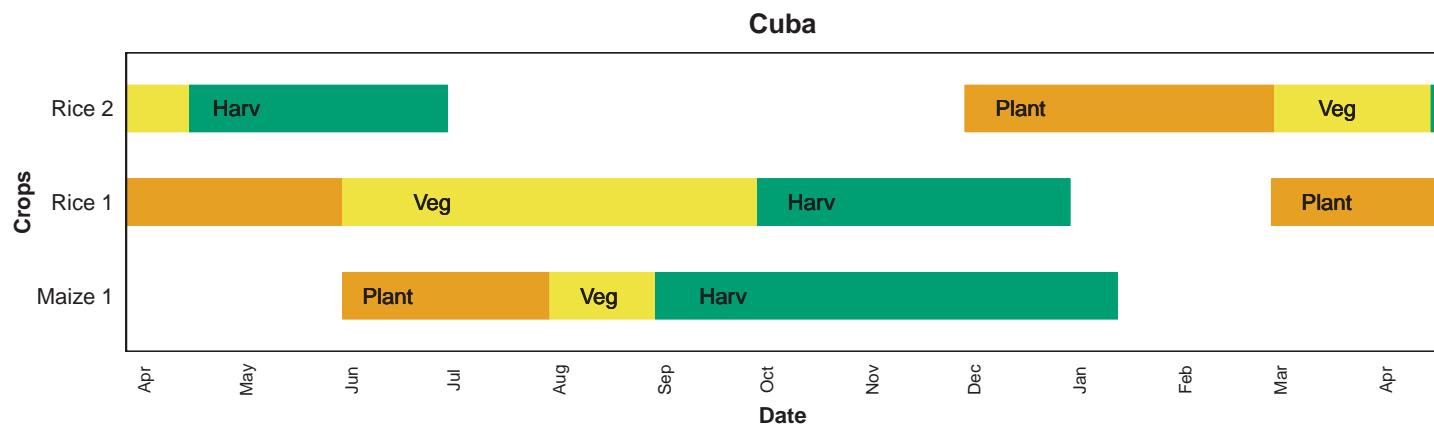
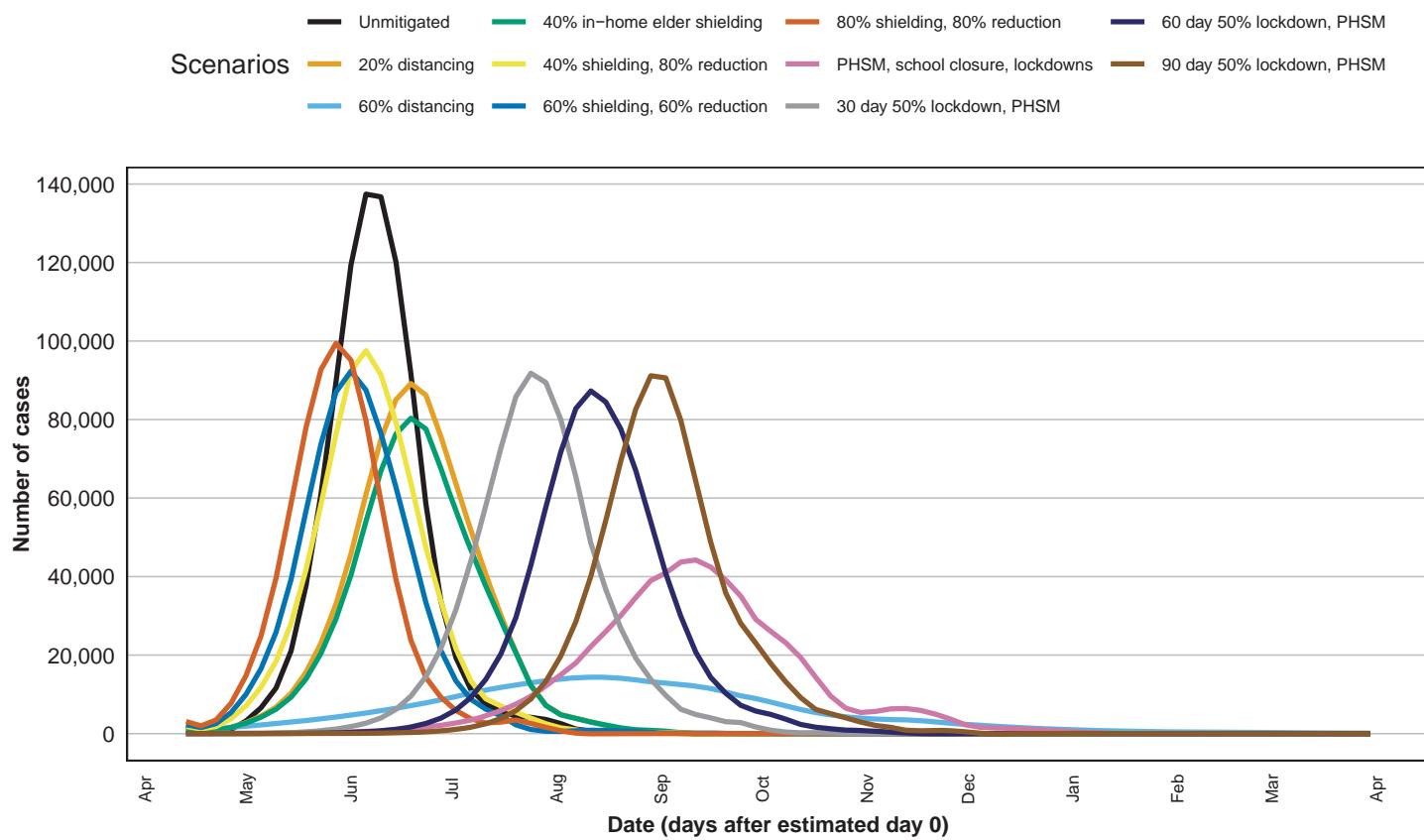
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.



Cuba

Cuba cases over time



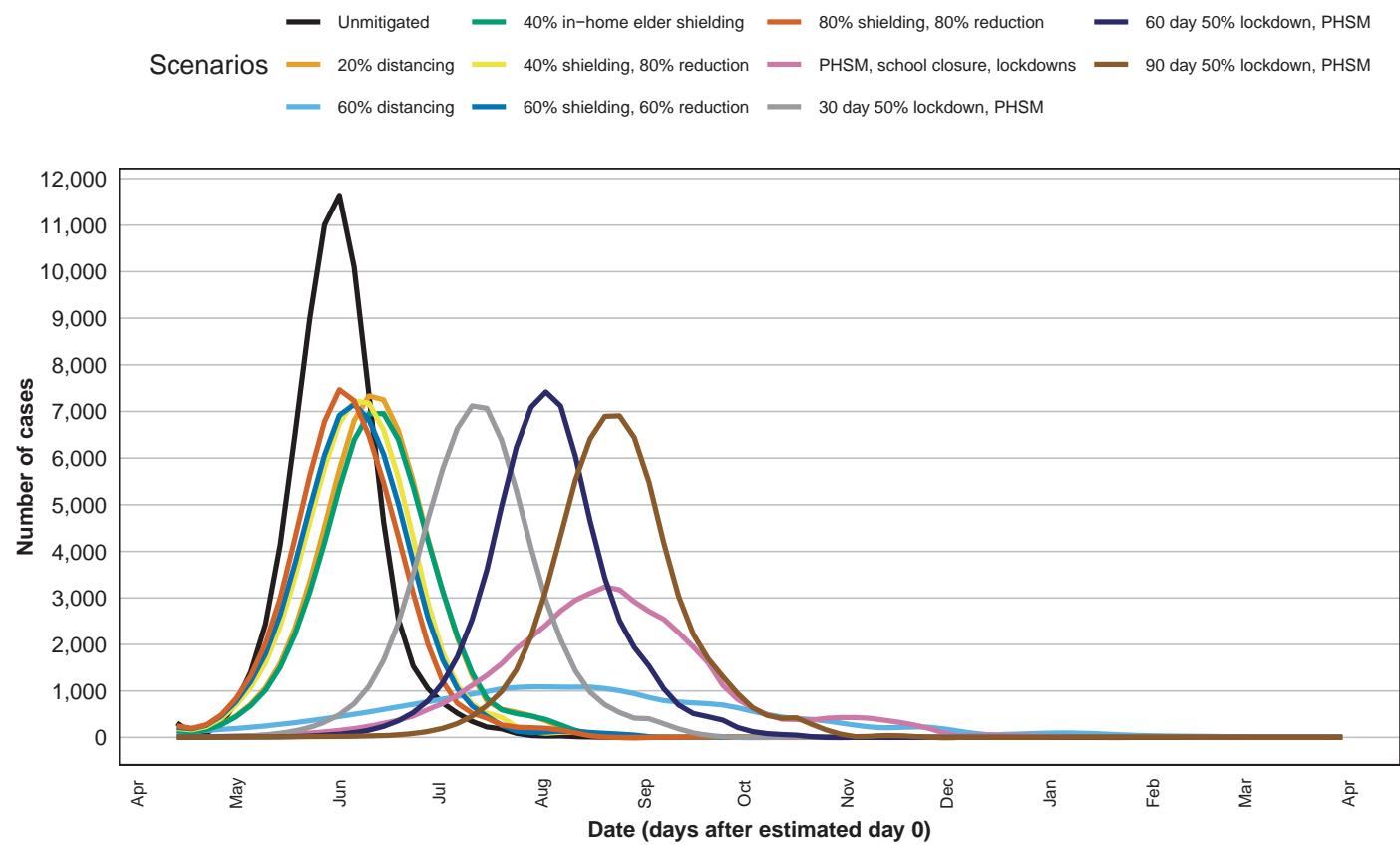
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

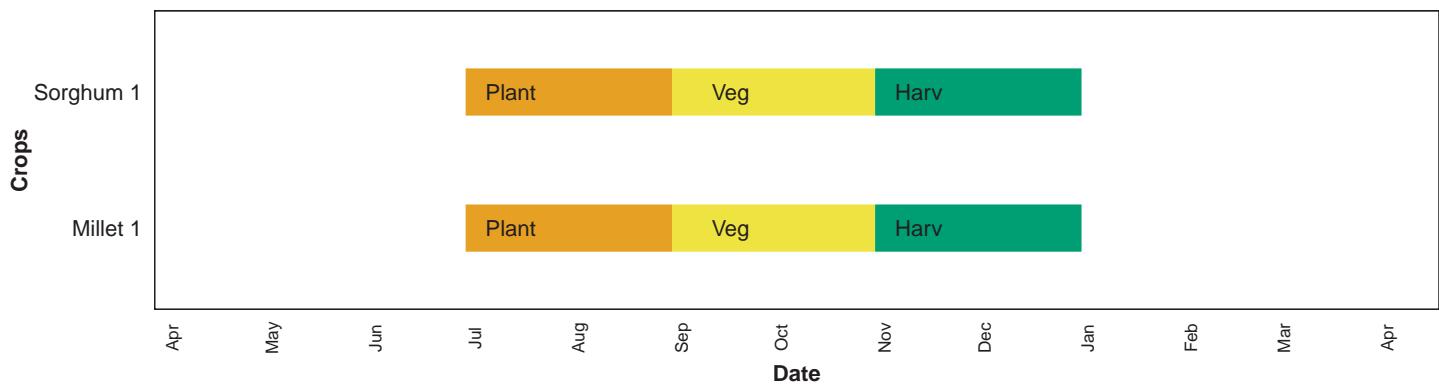


Djibouti

Djibouti cases over time



Djibouti



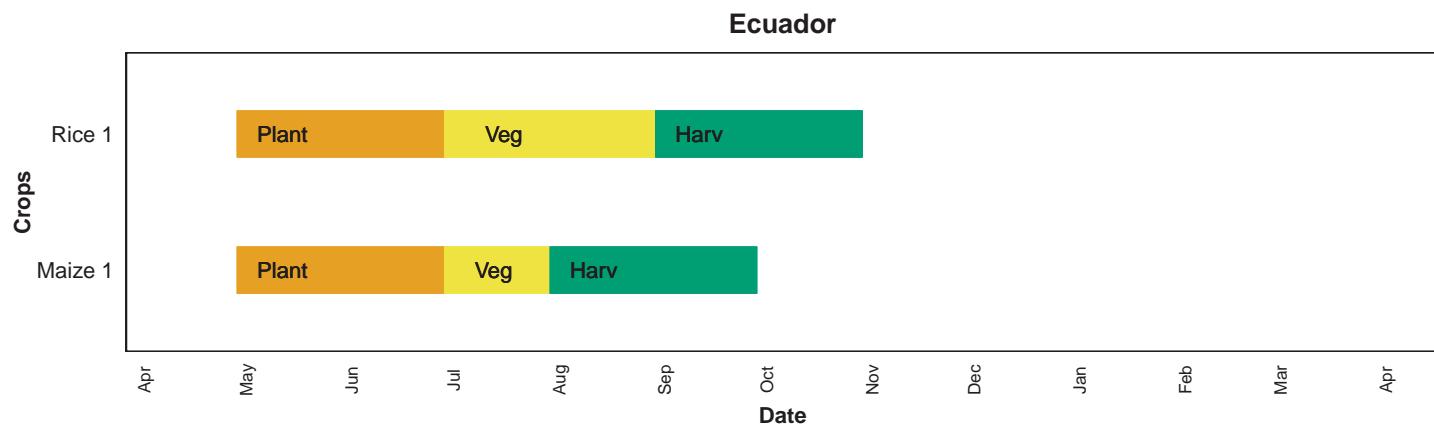
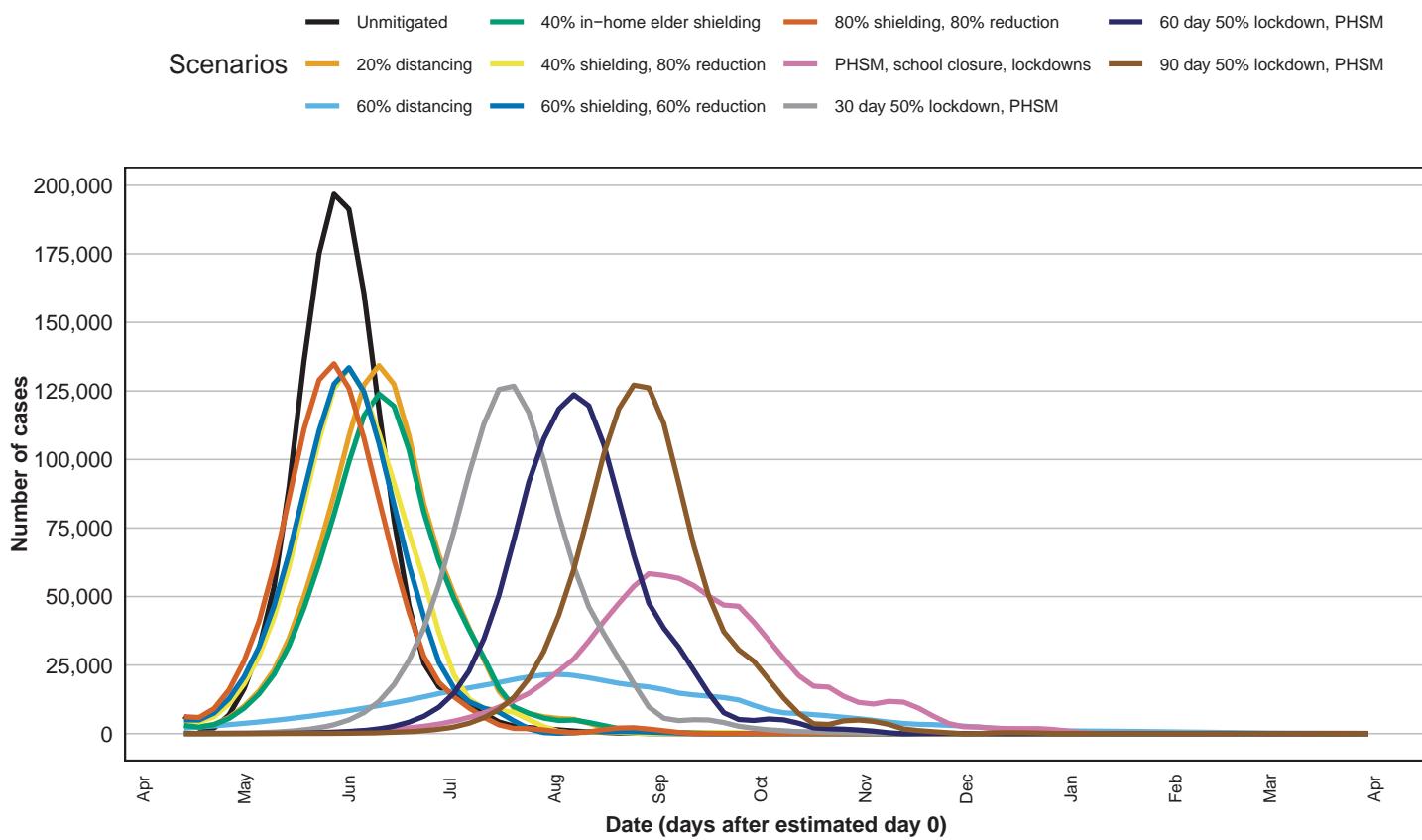
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.



Ecuador

Ecuador cases over time



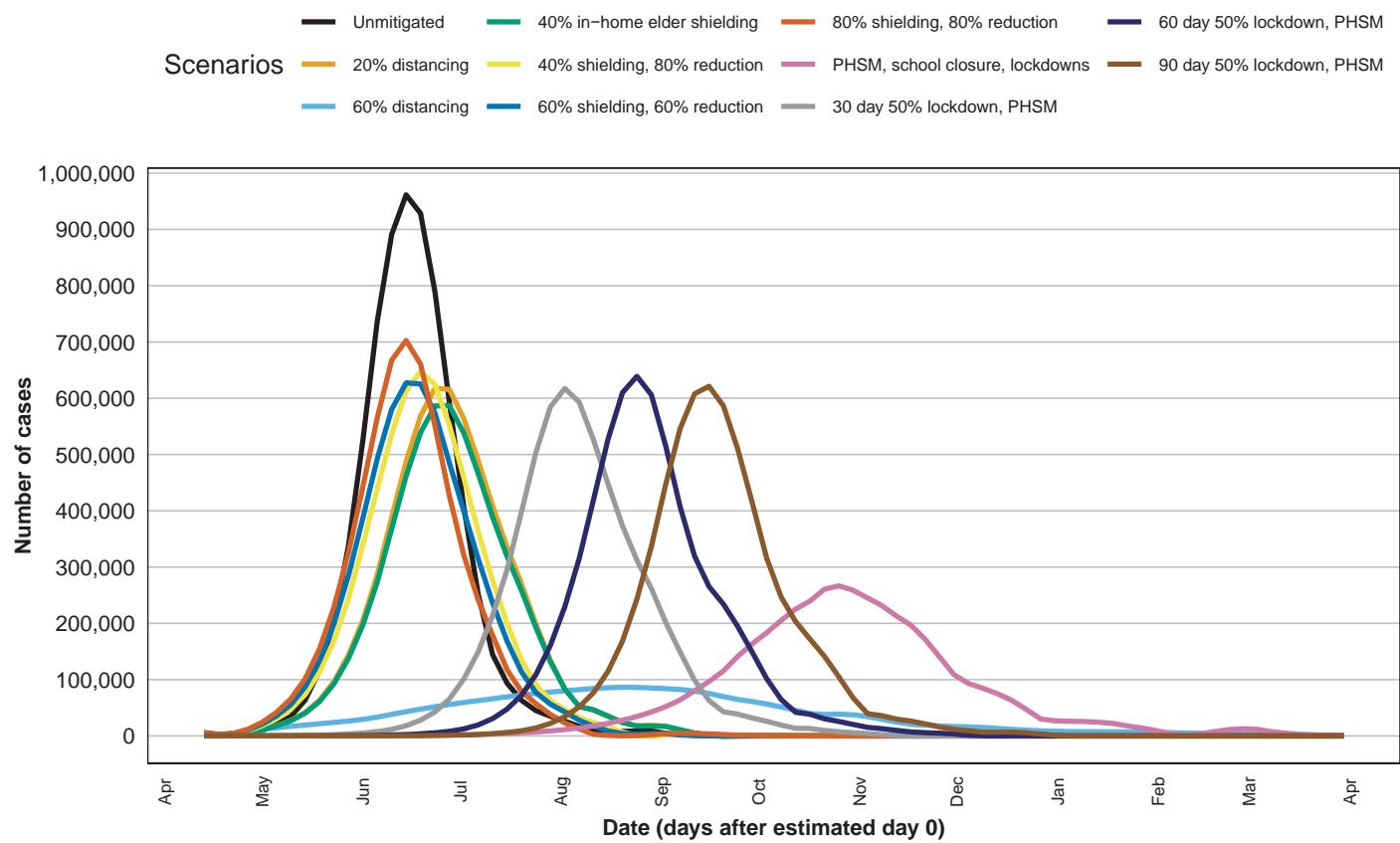
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

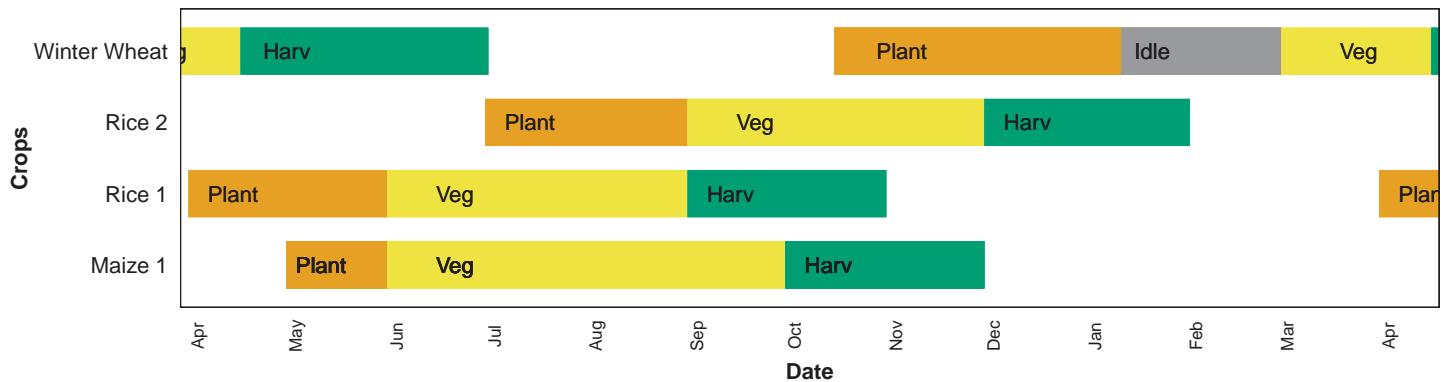


Egypt

Egypt cases over time



Egypt



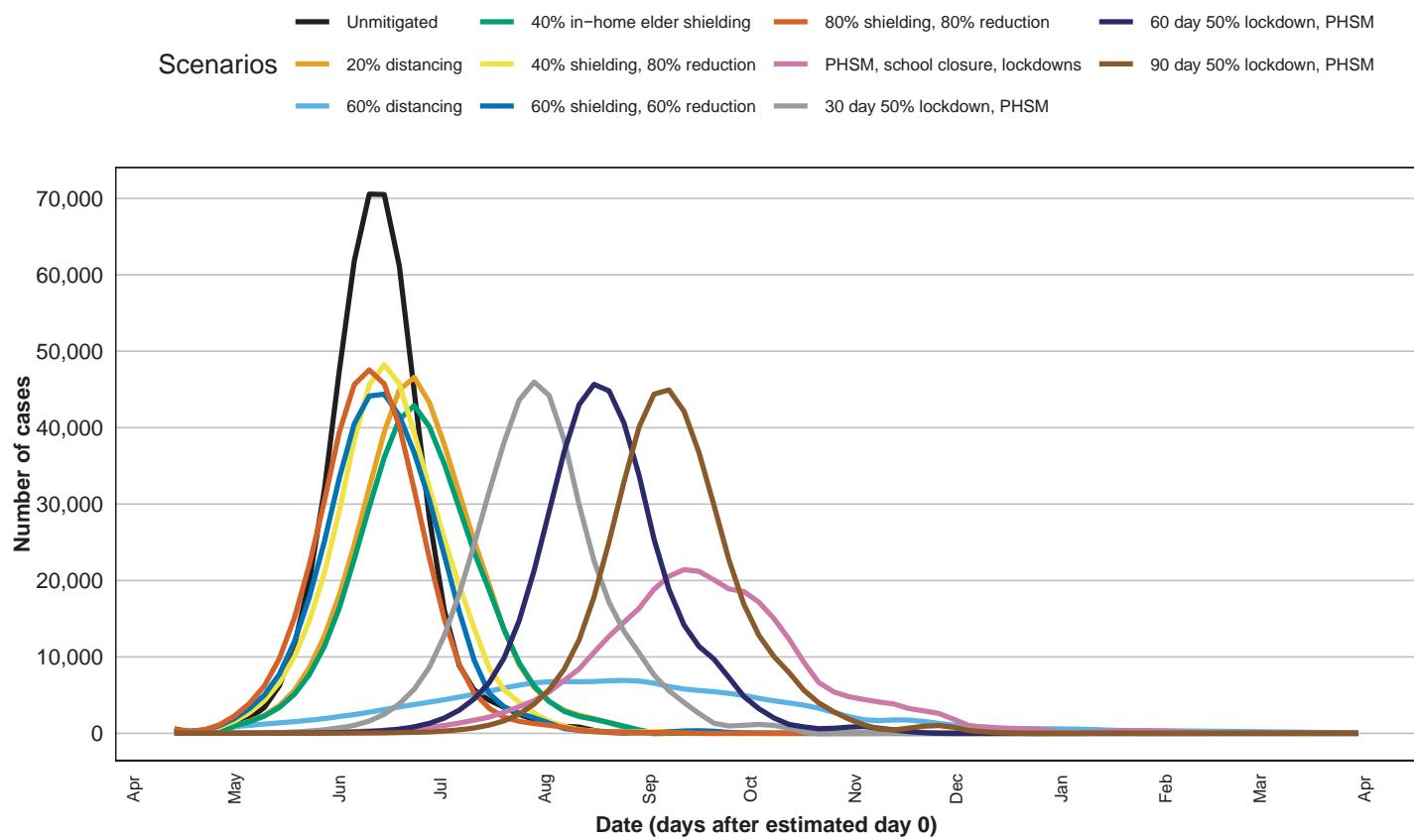
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

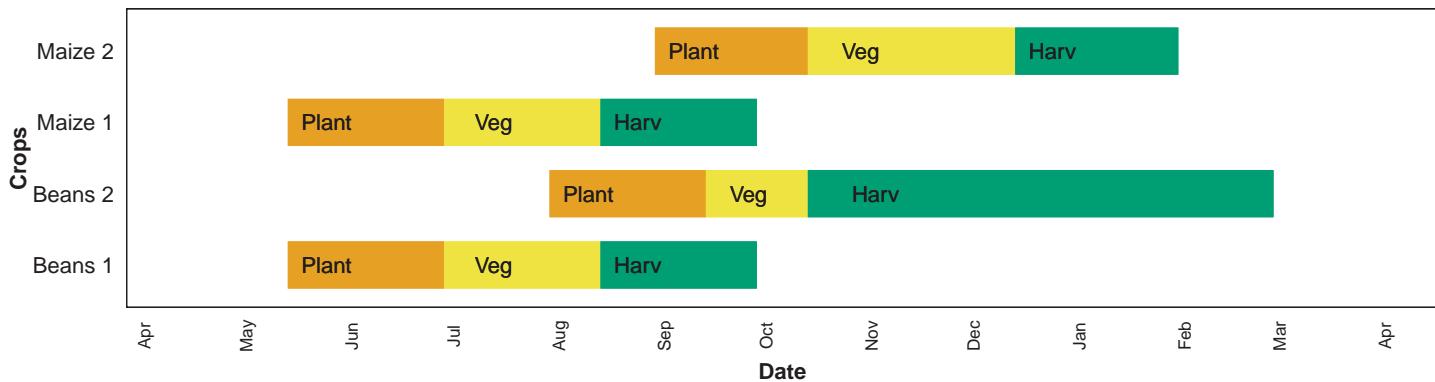


El Salvador

El Salvador cases over time



El Salvador



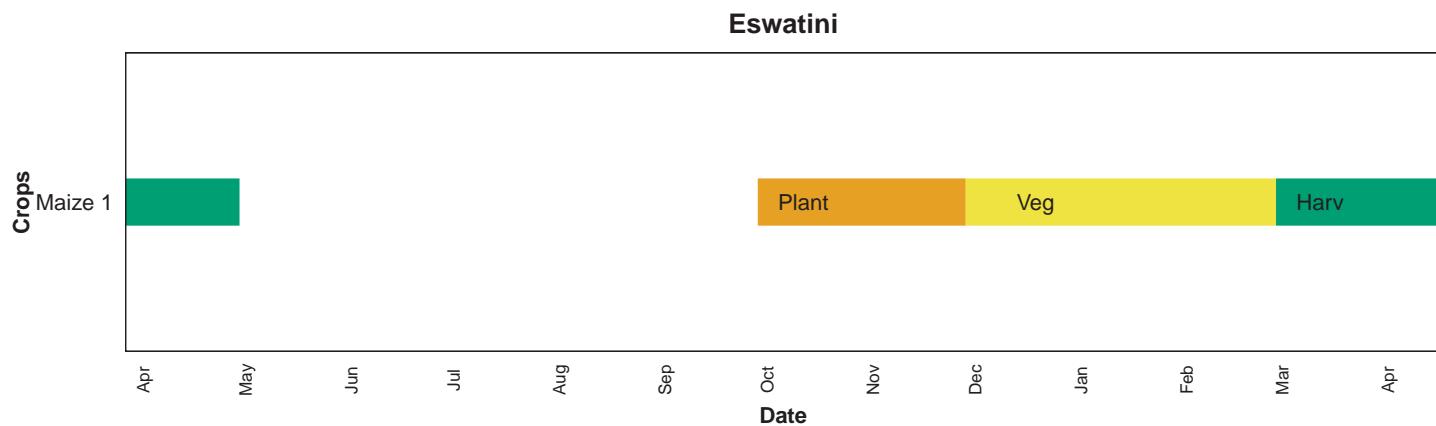
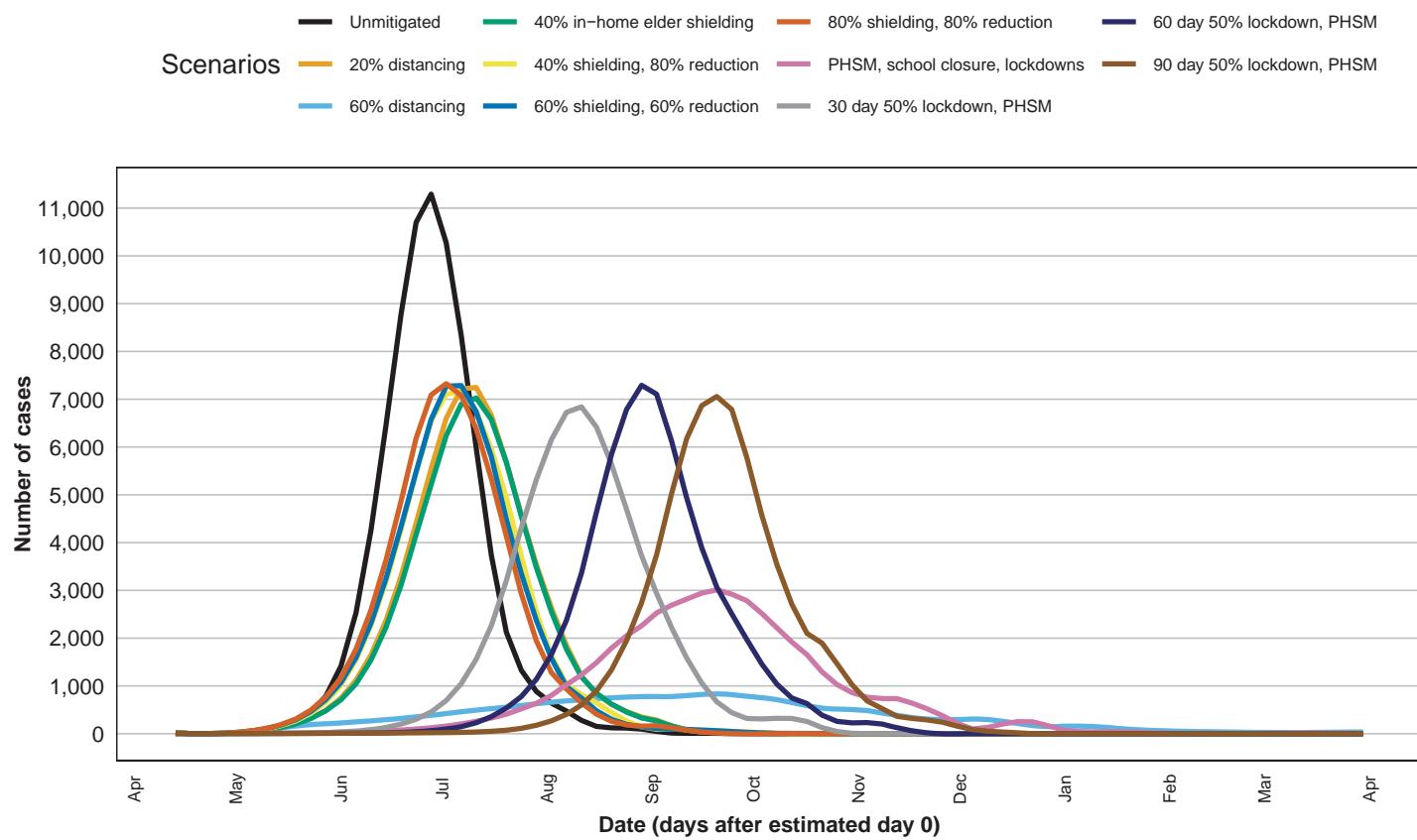
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.



Eswatini

Eswatini cases over time



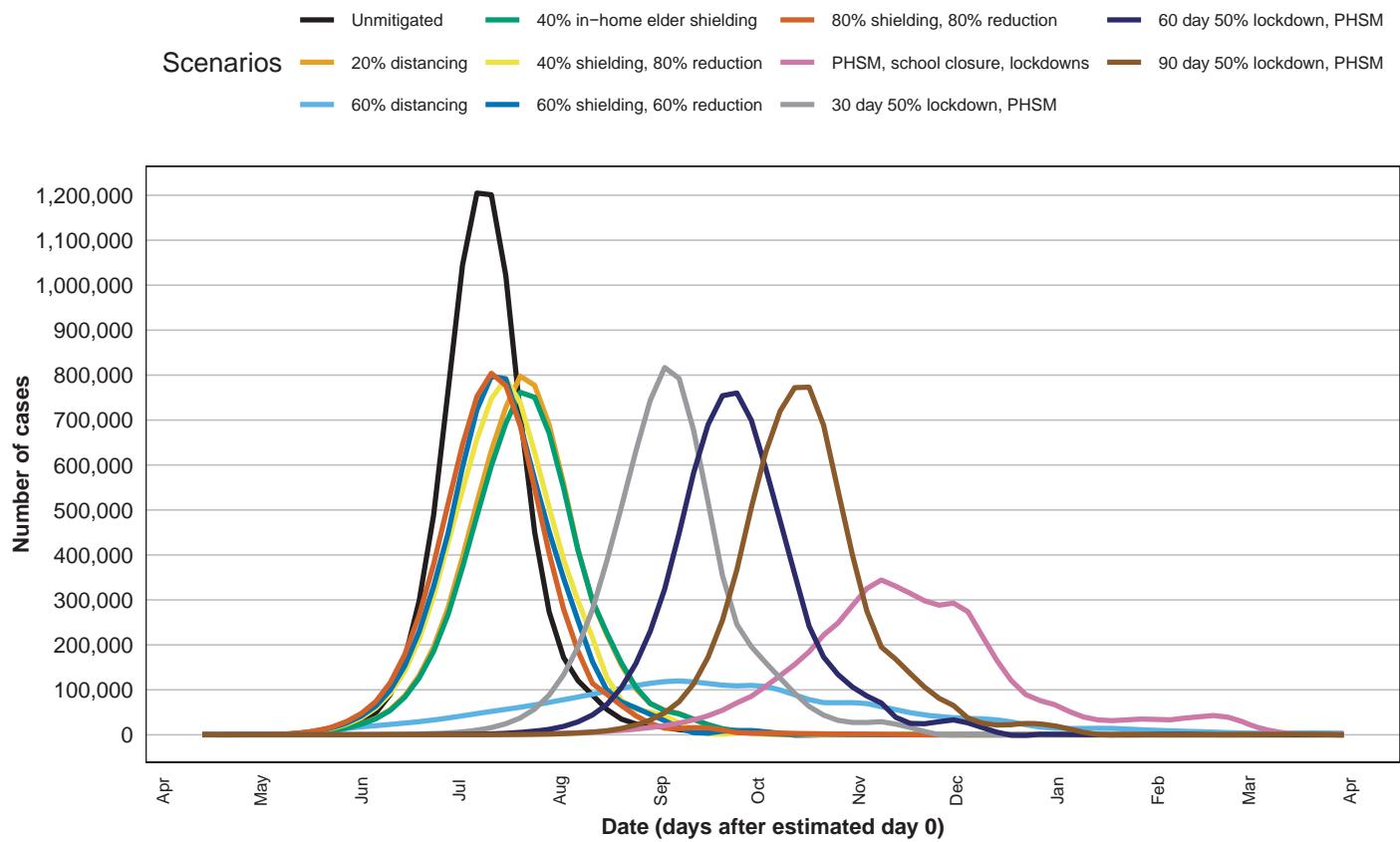
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

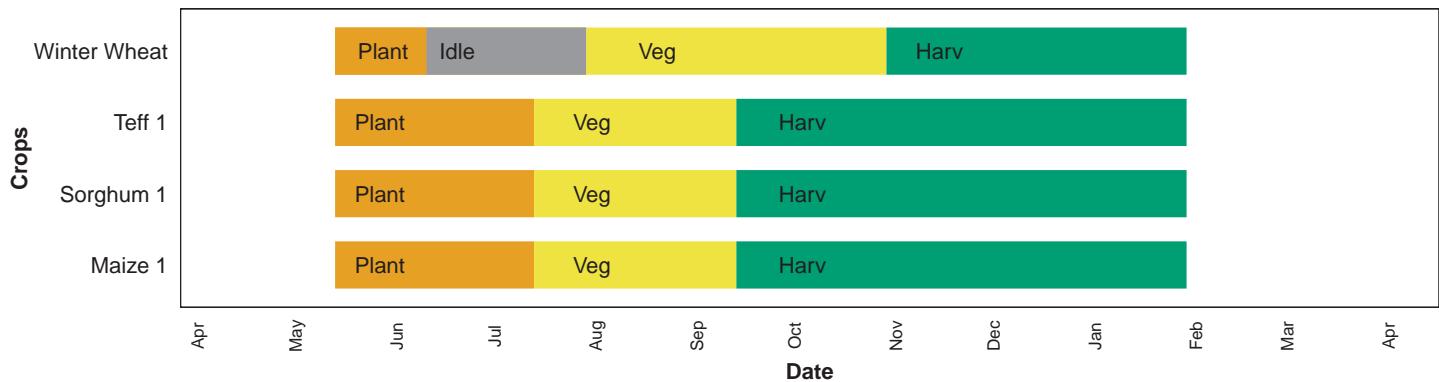


Ethiopia

Ethiopia cases over time



Ethiopia Afar



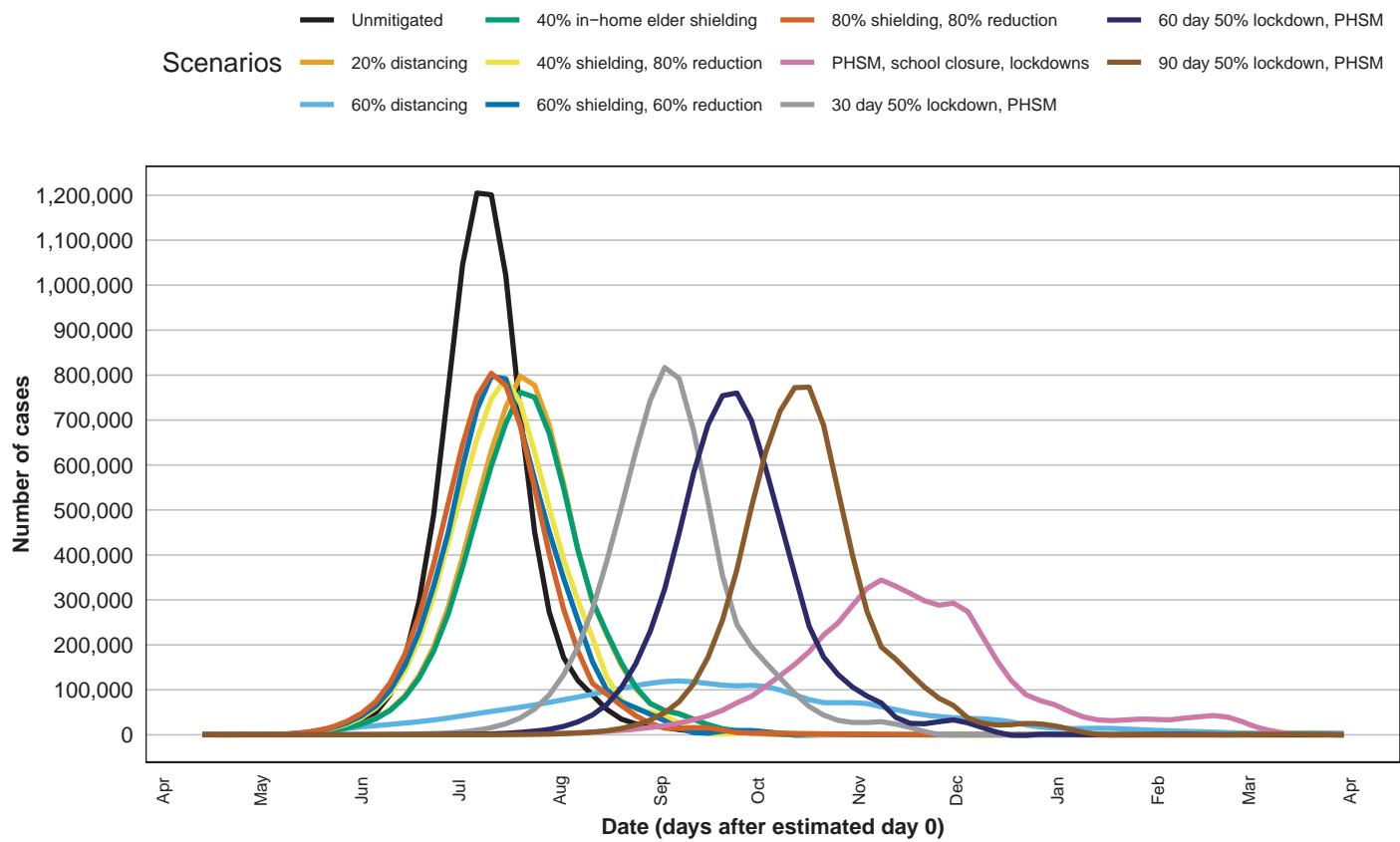
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

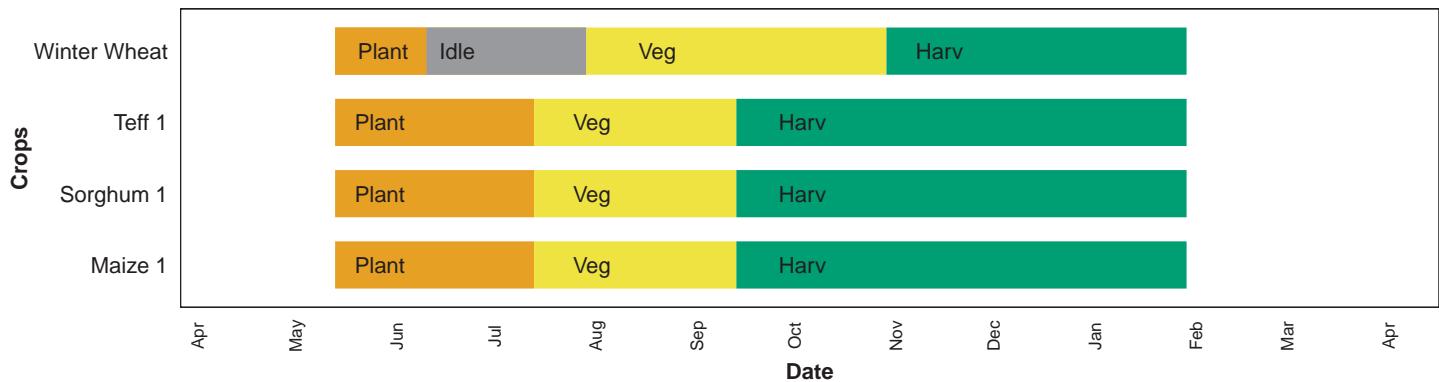


Ethiopia

Ethiopia cases over time

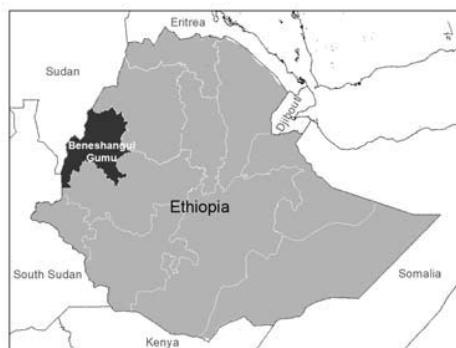


Ethiopia Beneshangul Gumu



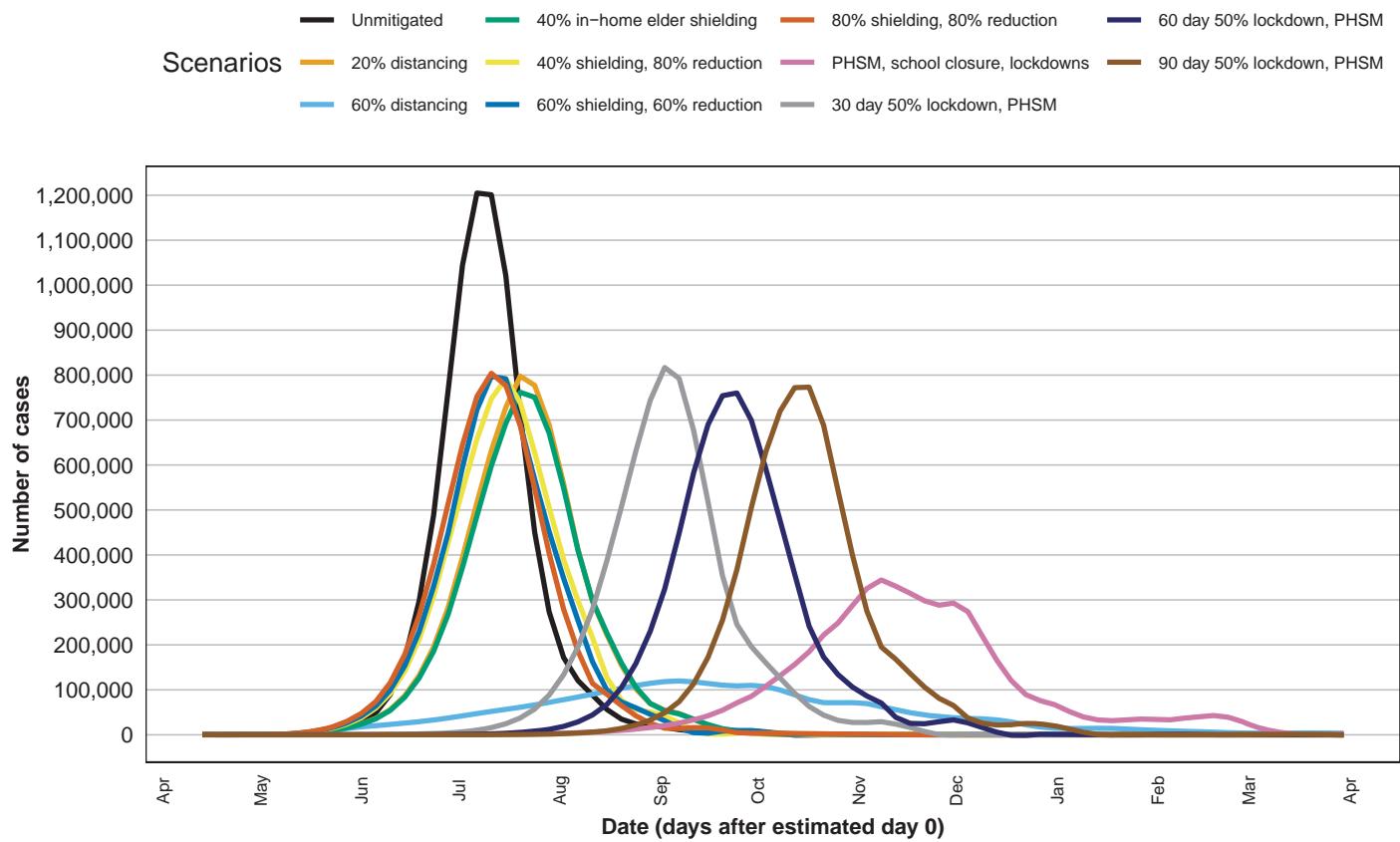
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

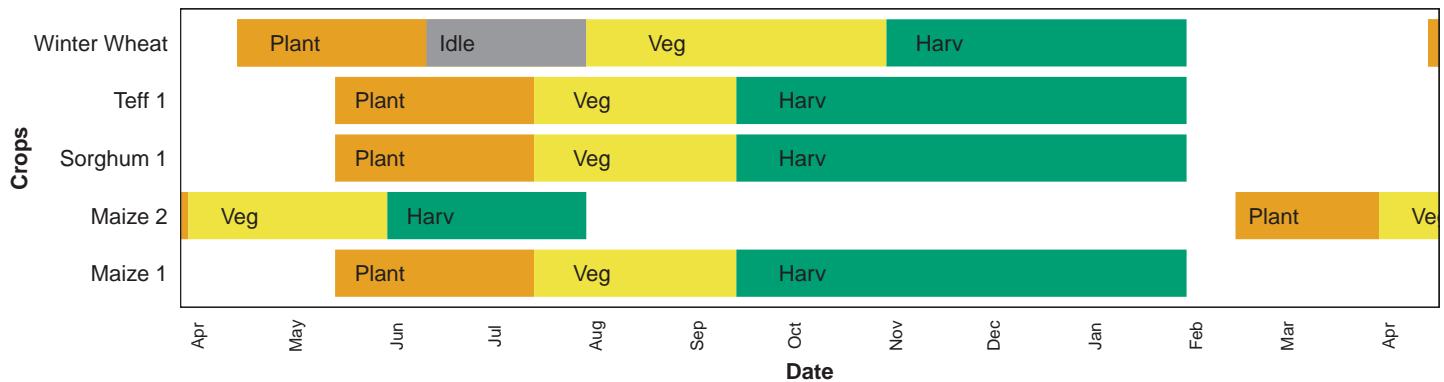


Ethiopia

Ethiopia cases over time



Ethiopia East Amhara



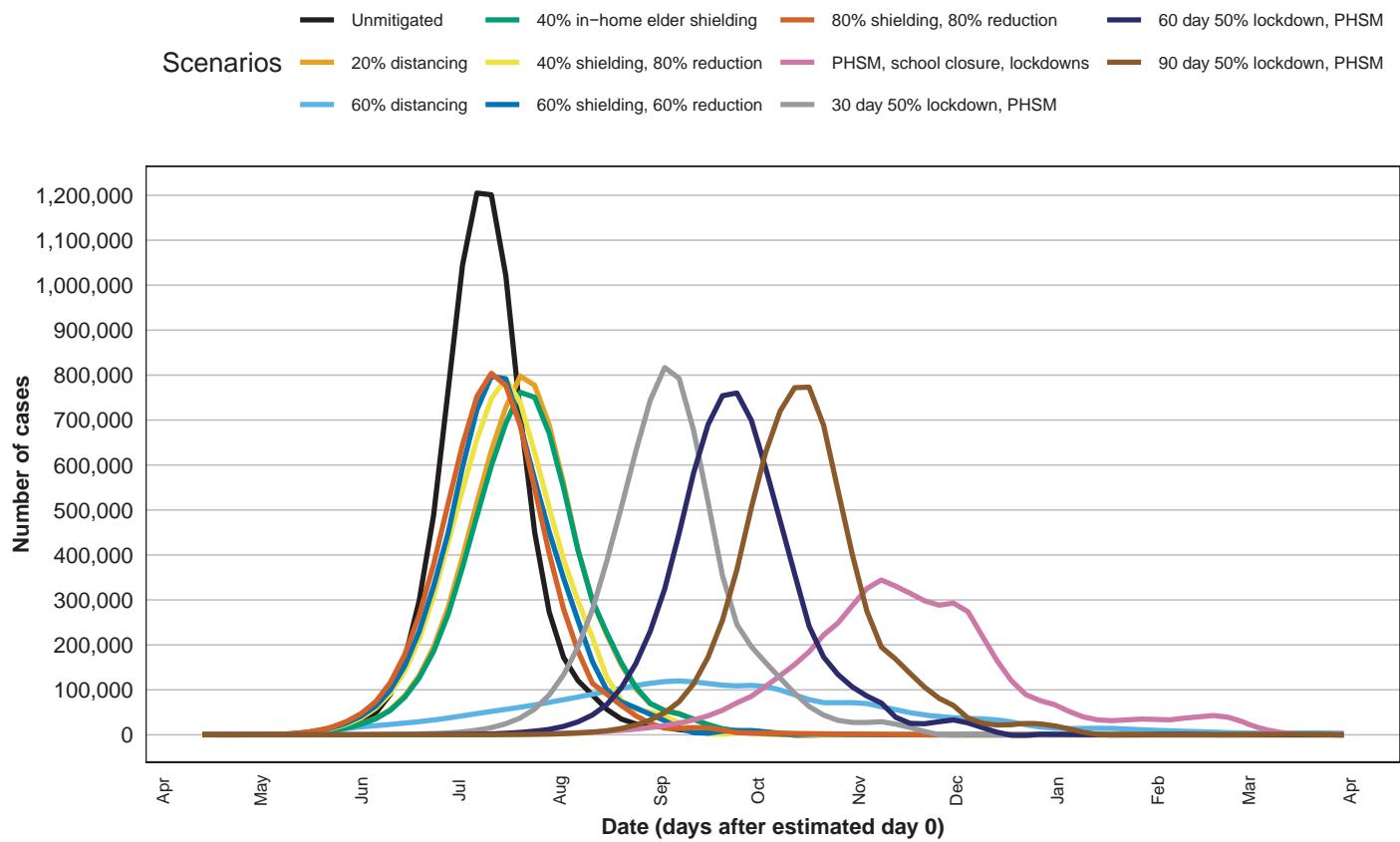
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

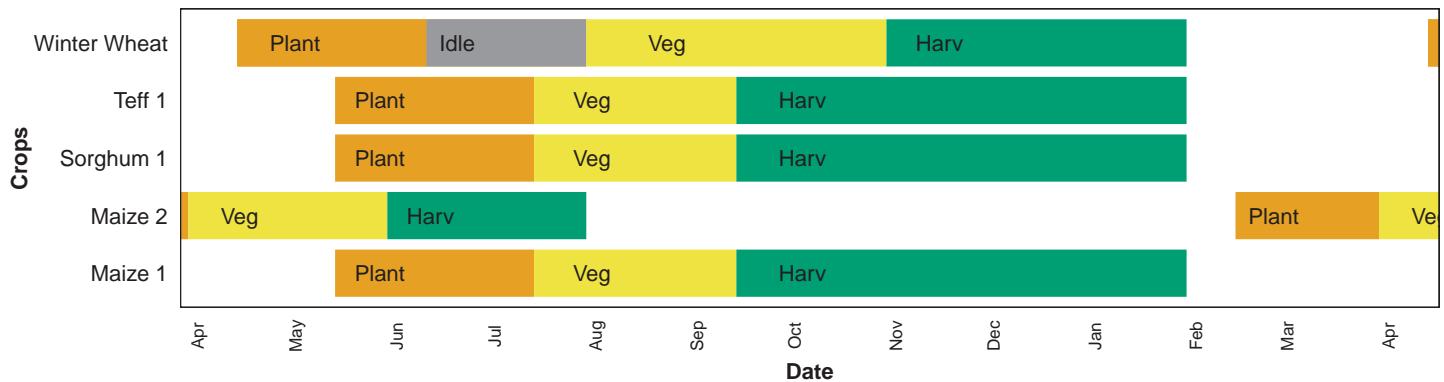


Ethiopia

Ethiopia cases over time



Ethiopia East Oromia



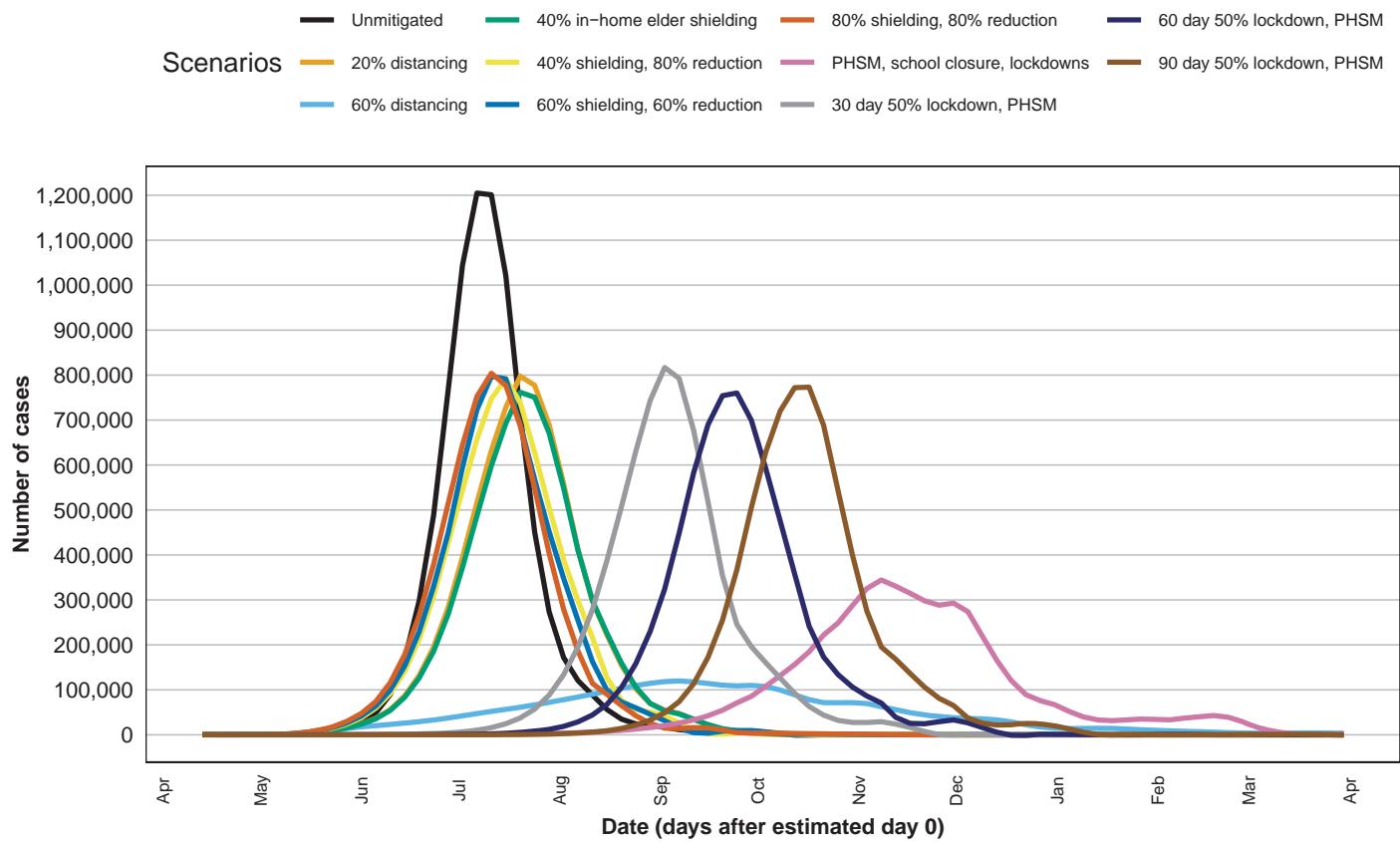
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

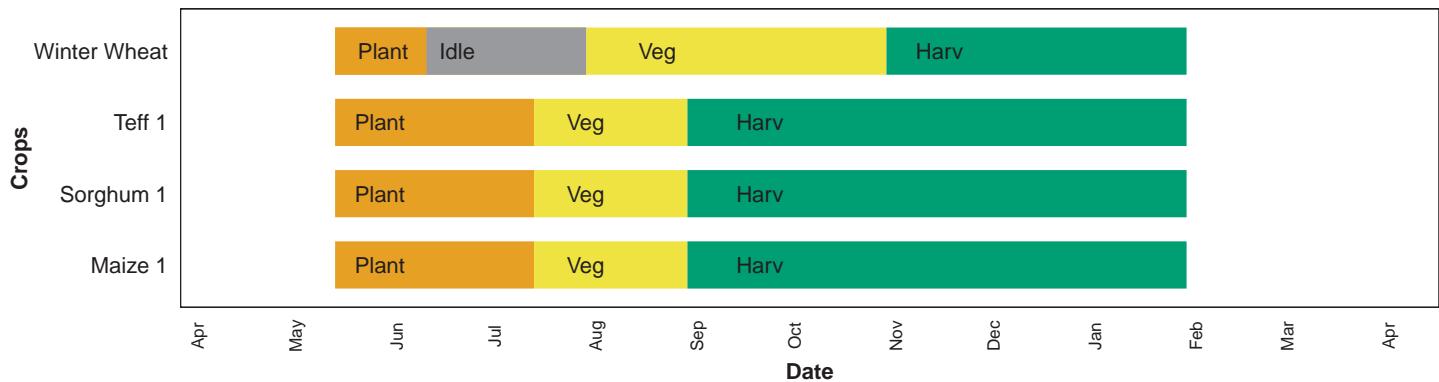


Ethiopia

Ethiopia cases over time



Ethiopia Gambela



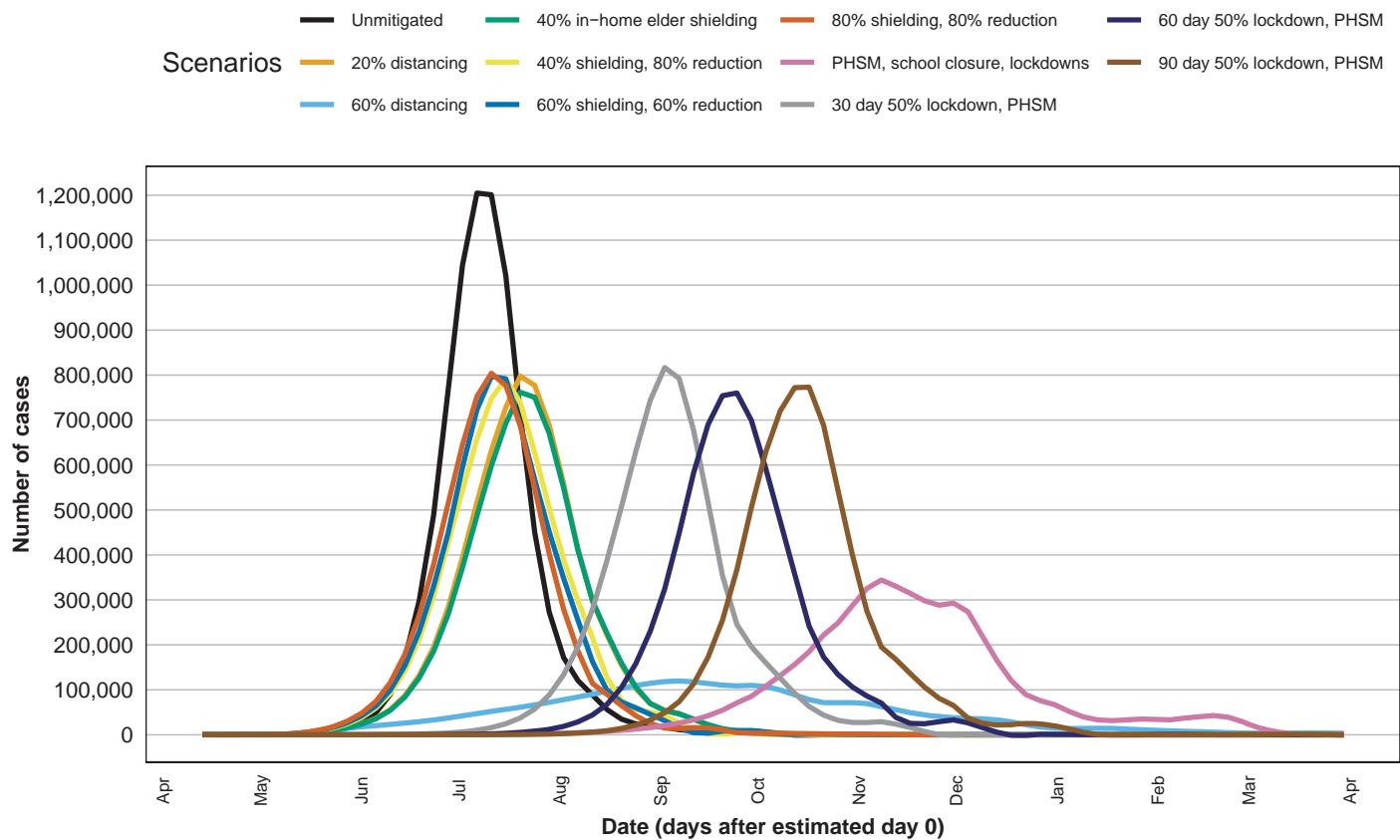
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

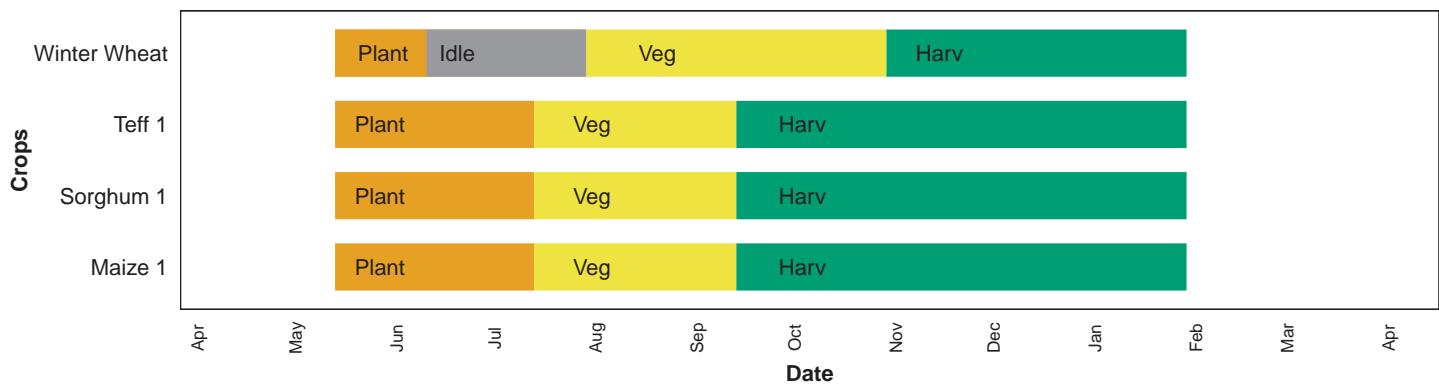


Ethiopia

Ethiopia cases over time



Ethiopia North Somali



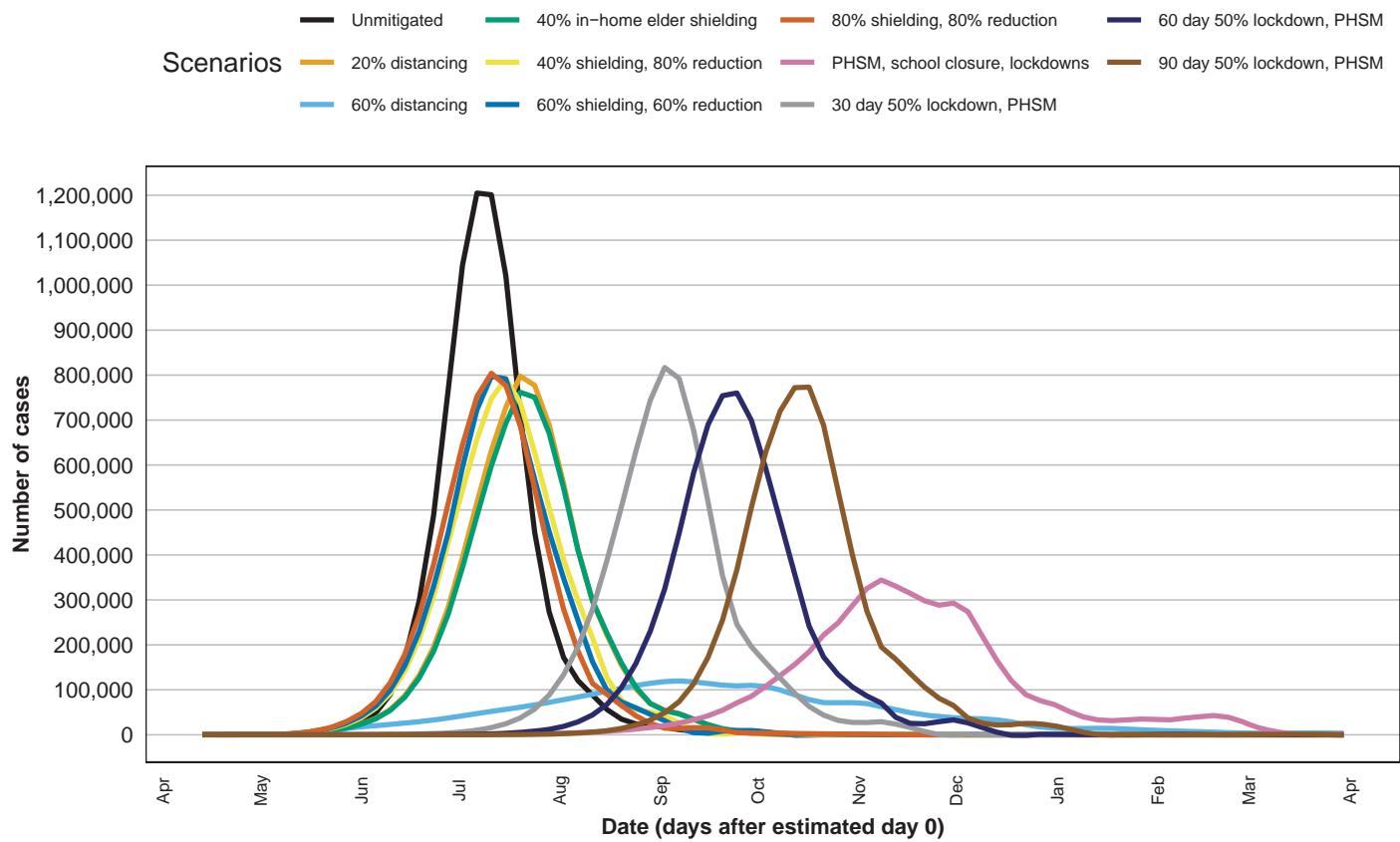
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

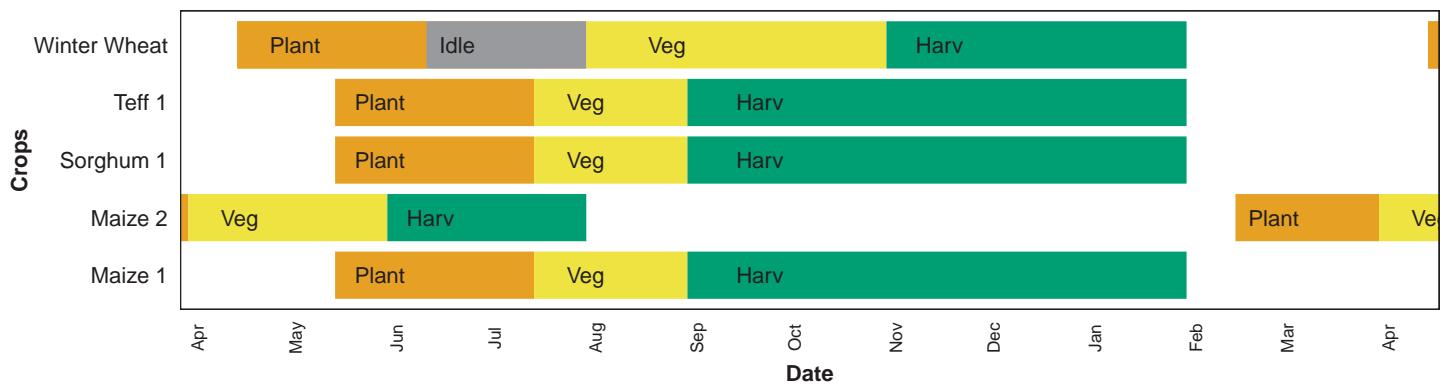


Ethiopia

Ethiopia cases over time



Ethiopia SNNPR



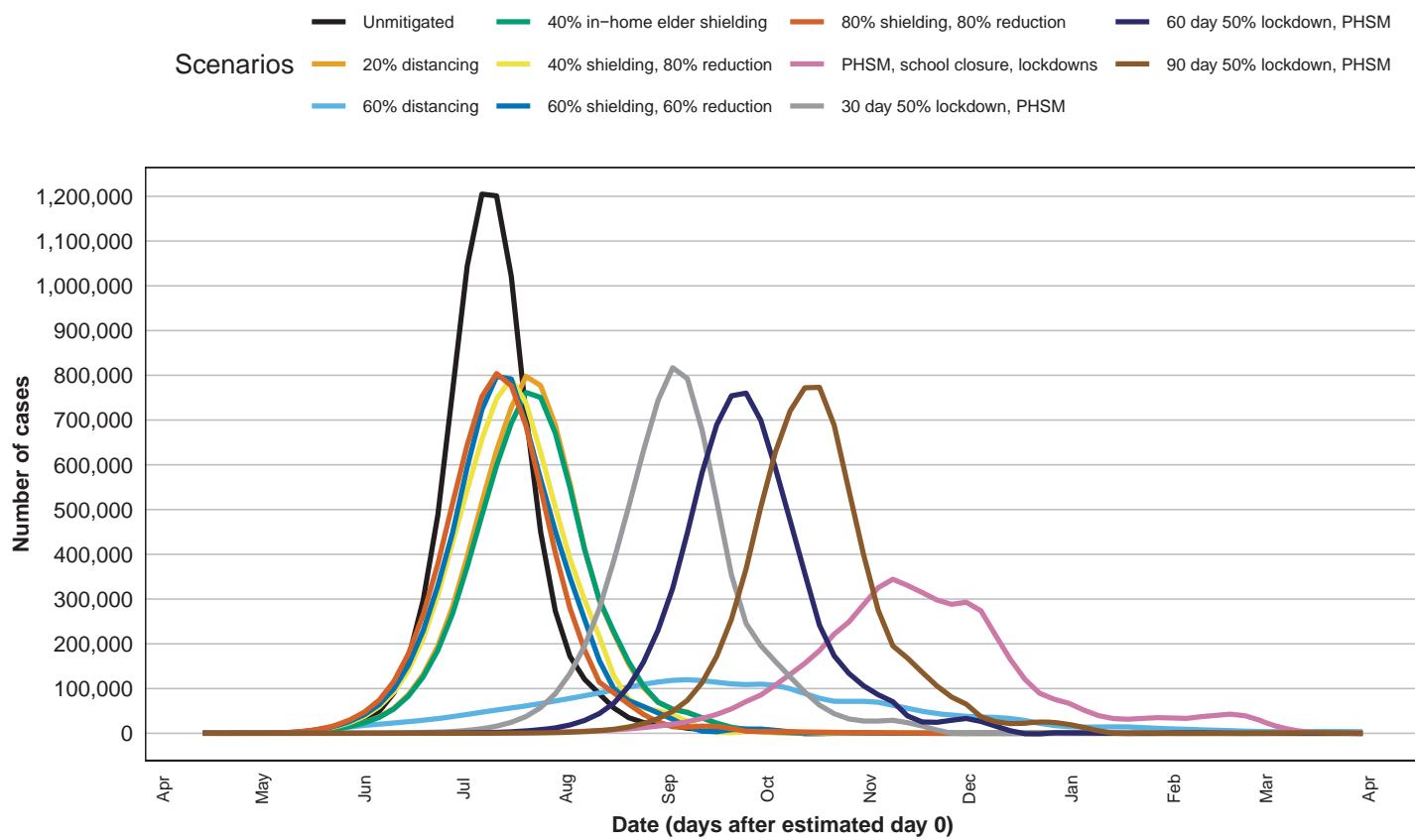
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

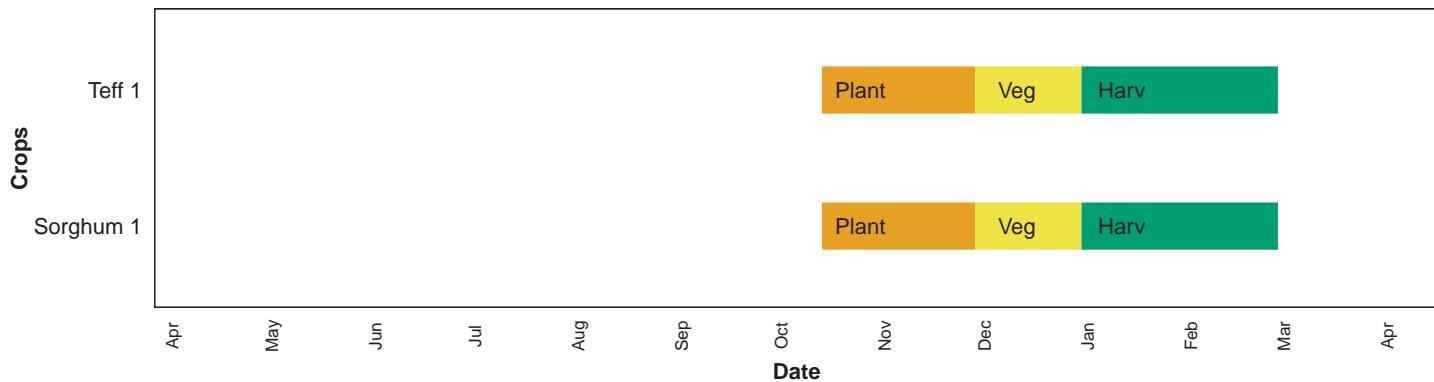


Ethiopia

Ethiopia cases over time



Ethiopia South Somali



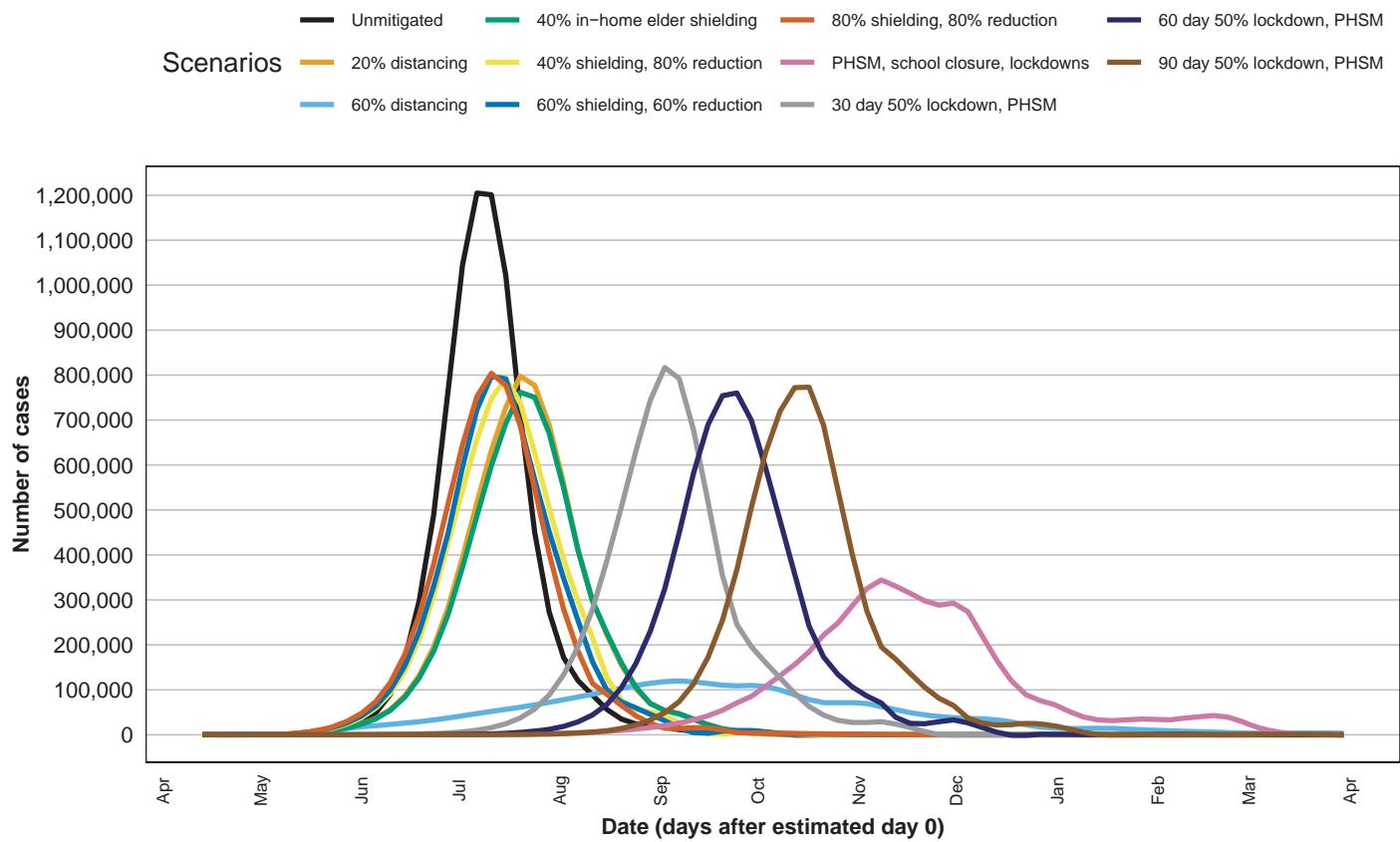
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

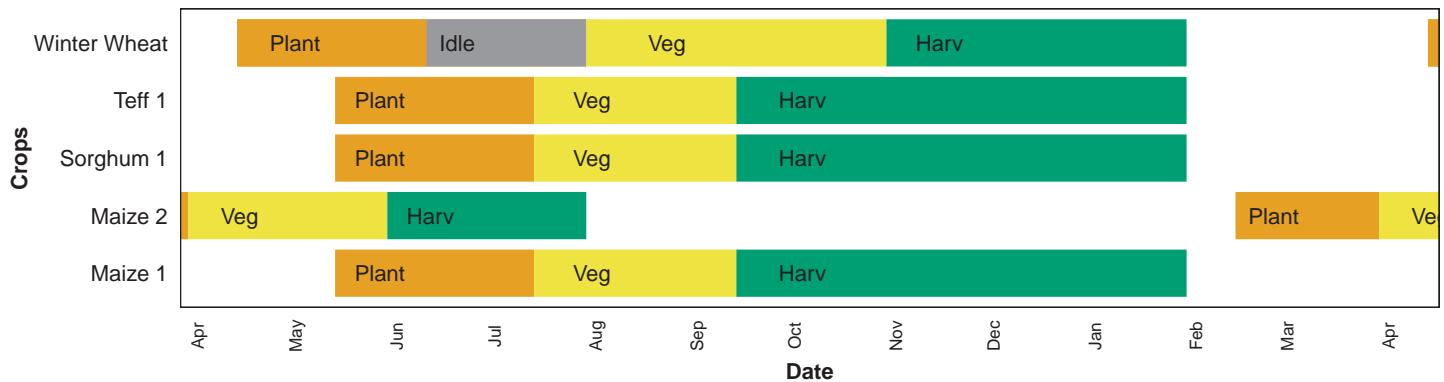


Ethiopia

Ethiopia cases over time



Ethiopia Tigray



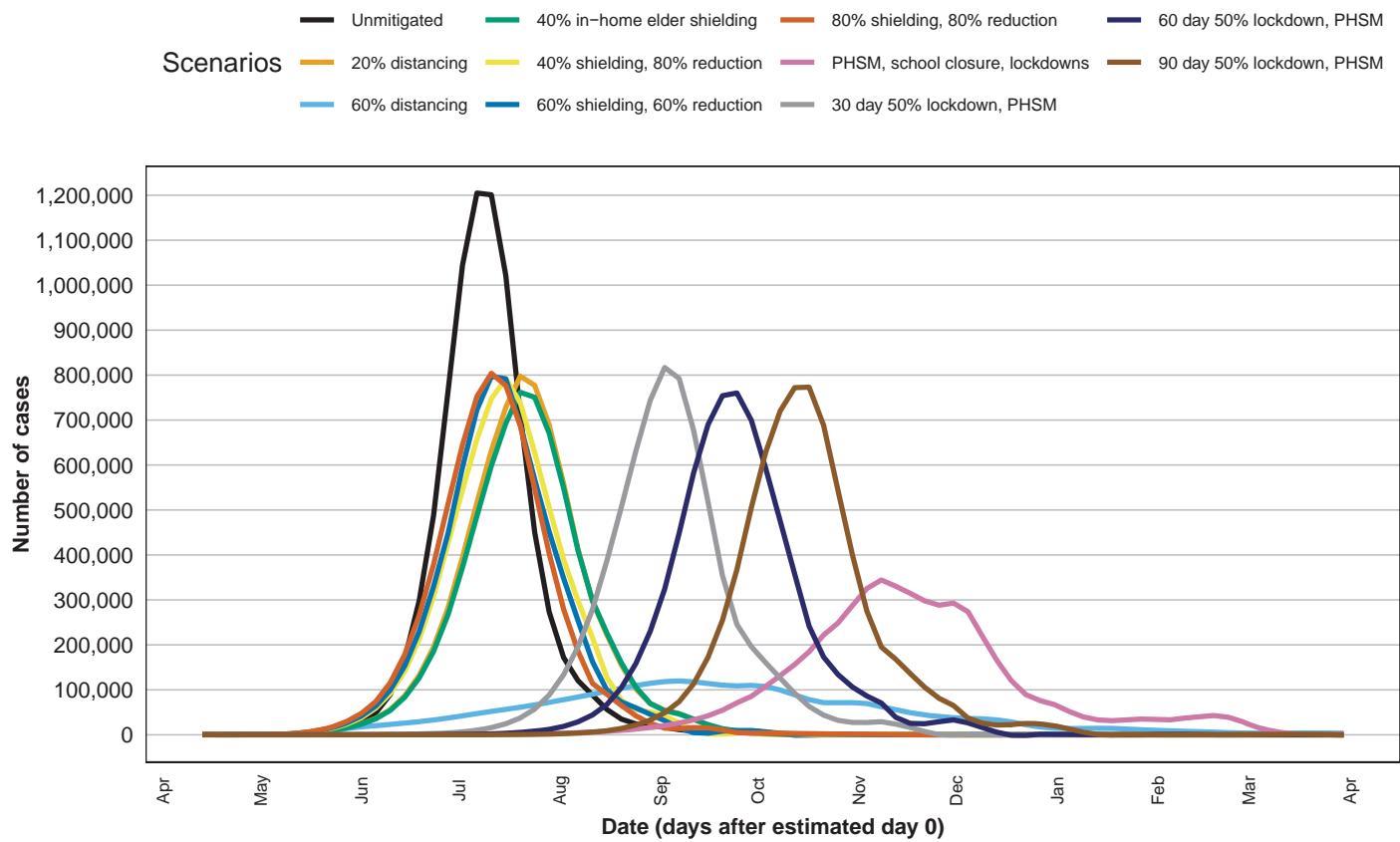
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

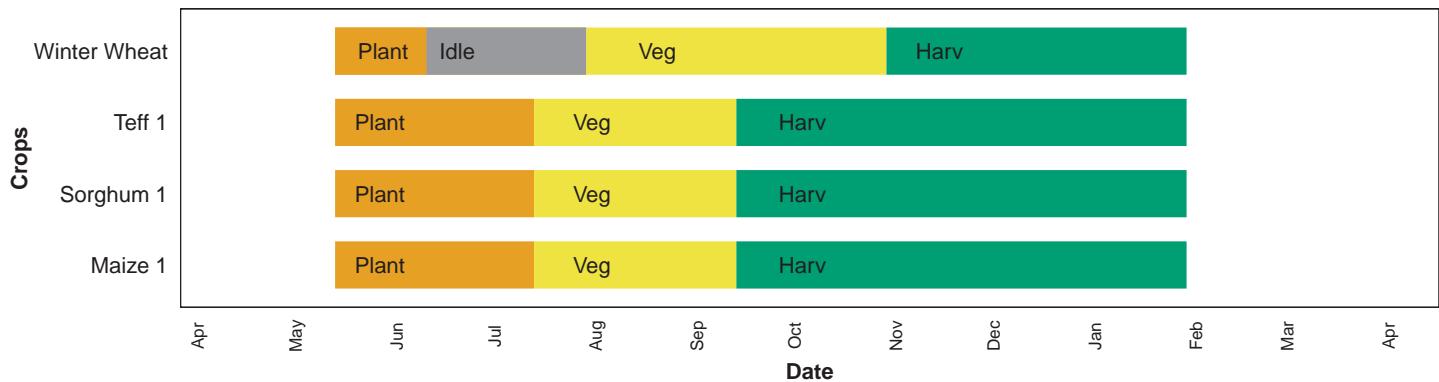


Ethiopia

Ethiopia cases over time



Ethiopia West Amhara



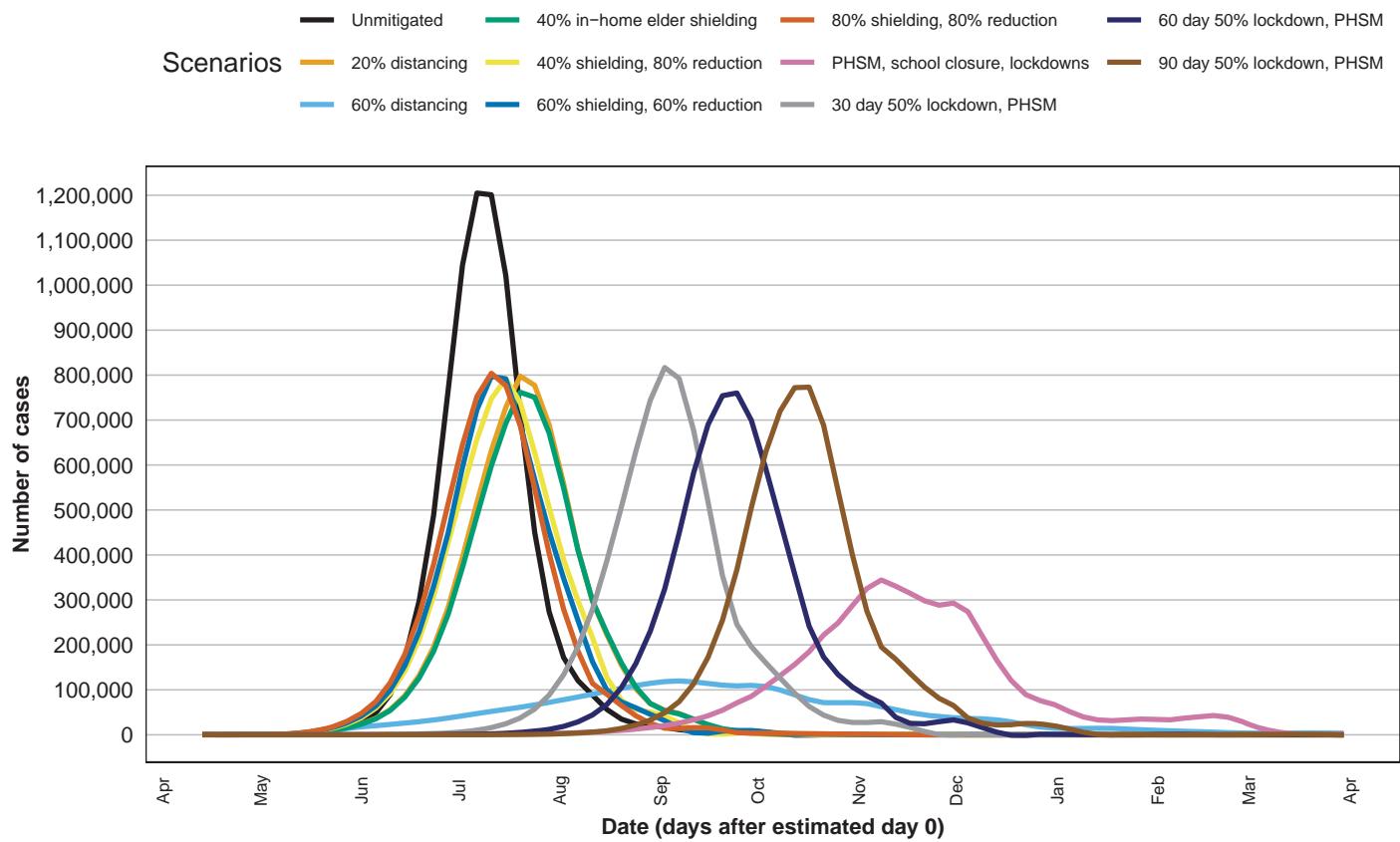
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

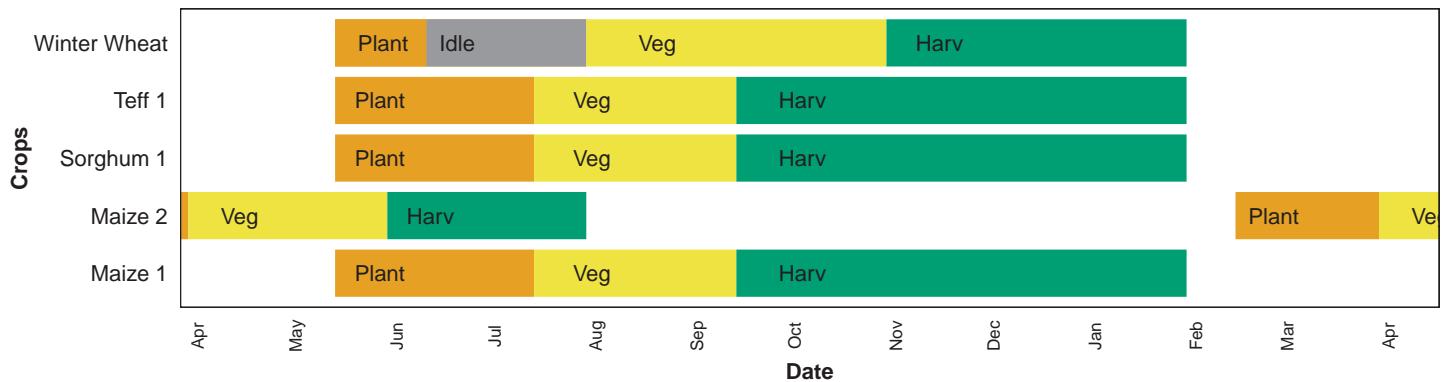


Ethiopia

Ethiopia cases over time



Ethiopia West Oromia



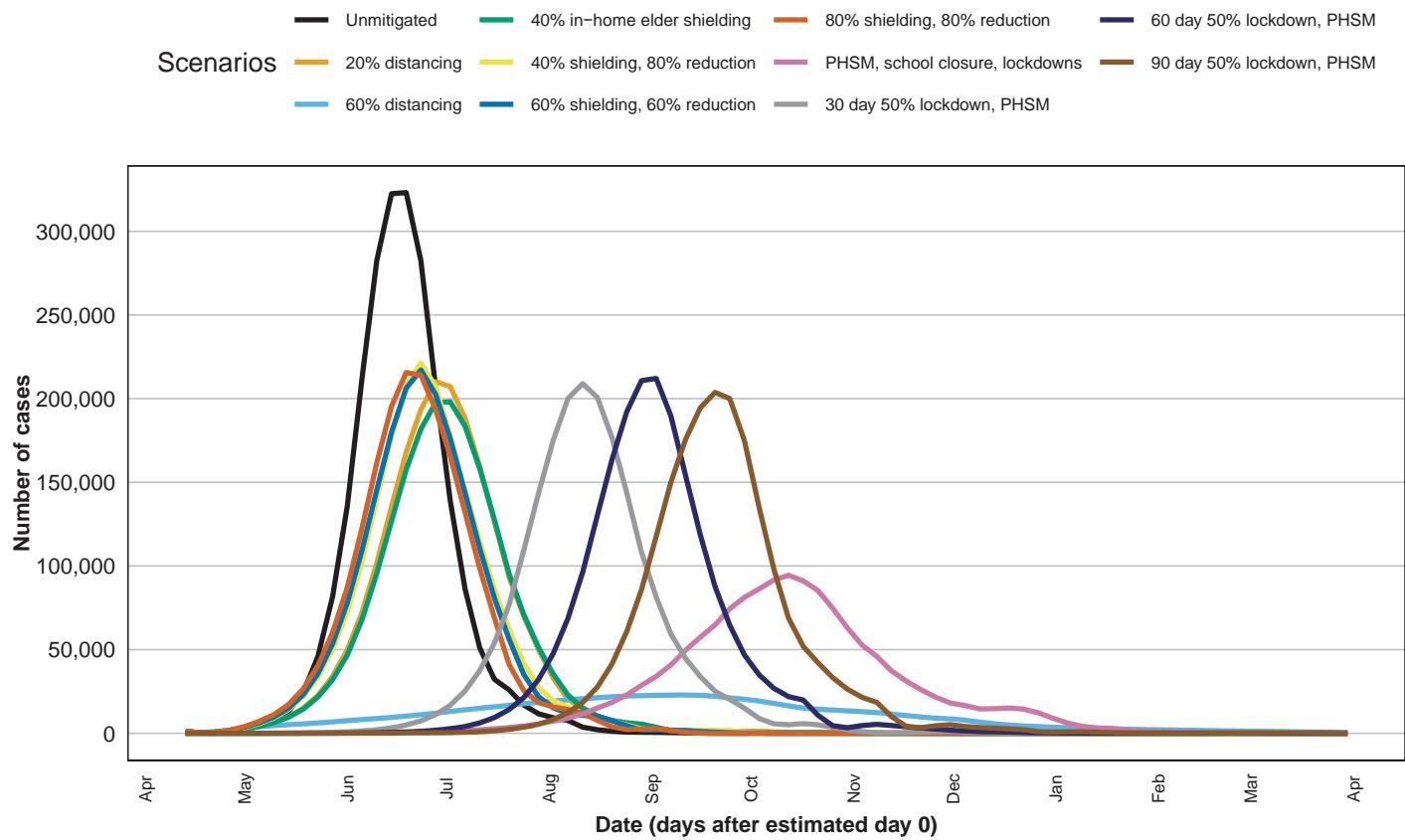
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

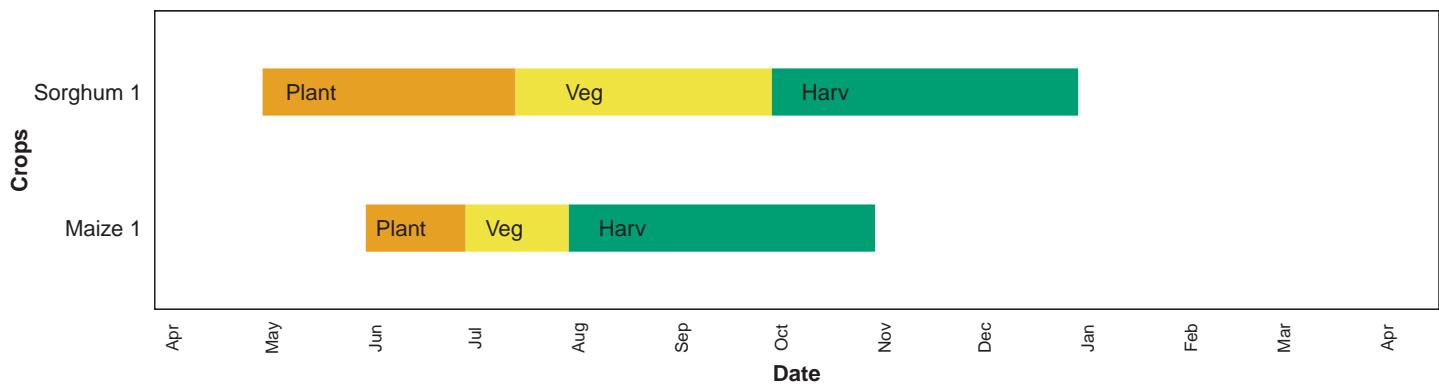


Ghana

Ghana cases over time



Ghana North



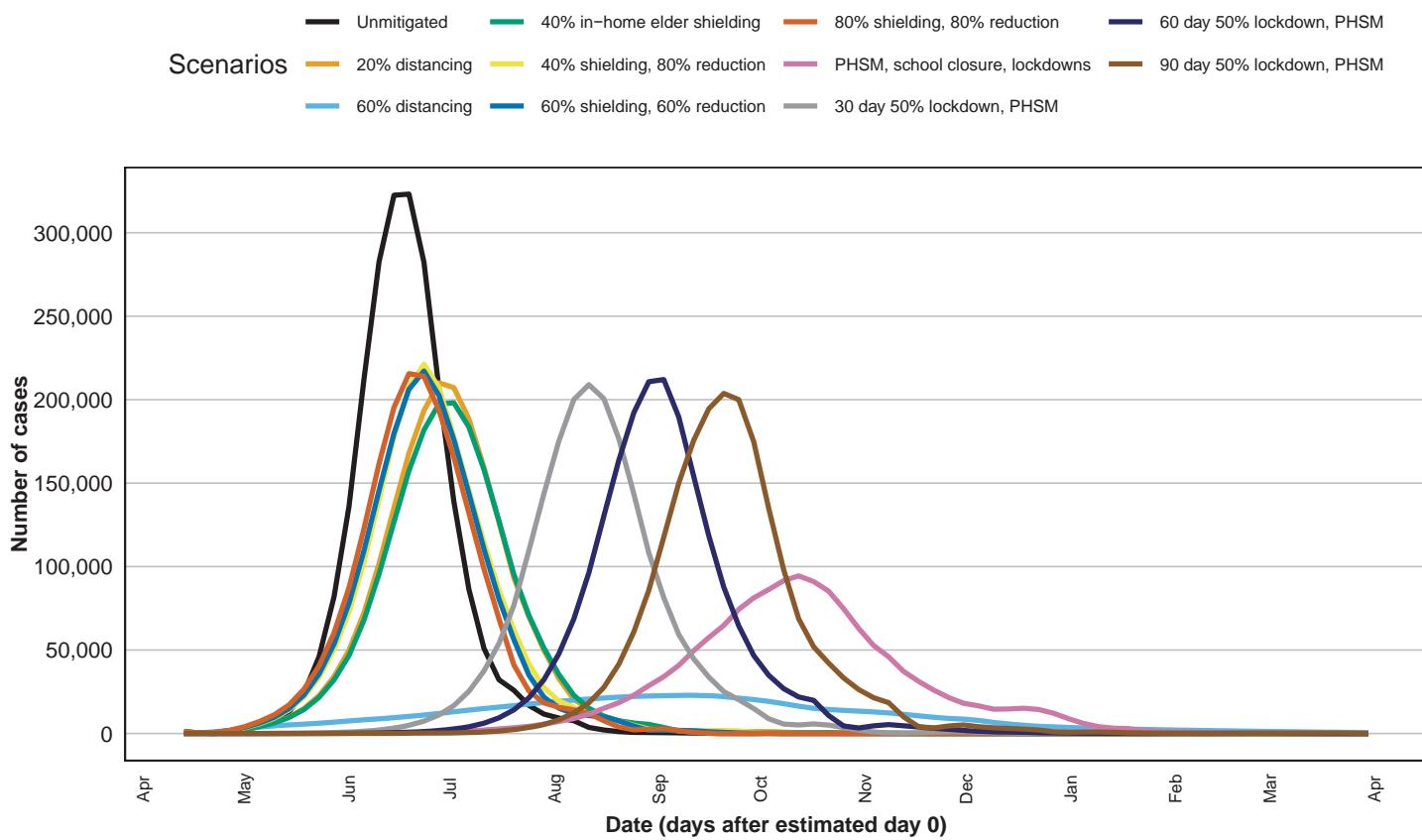
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

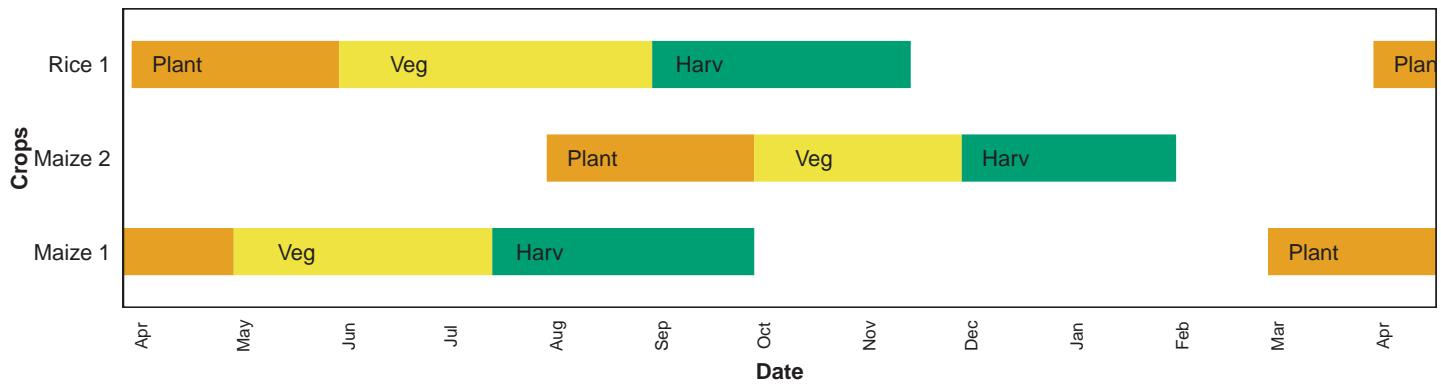


Ghana

Ghana cases over time

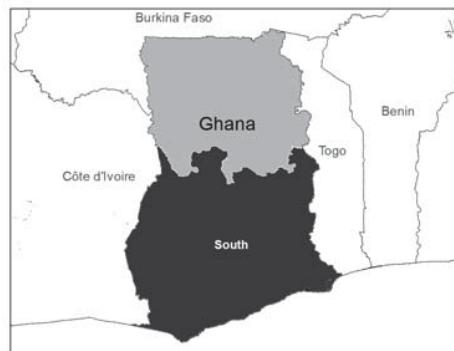


Ghana South



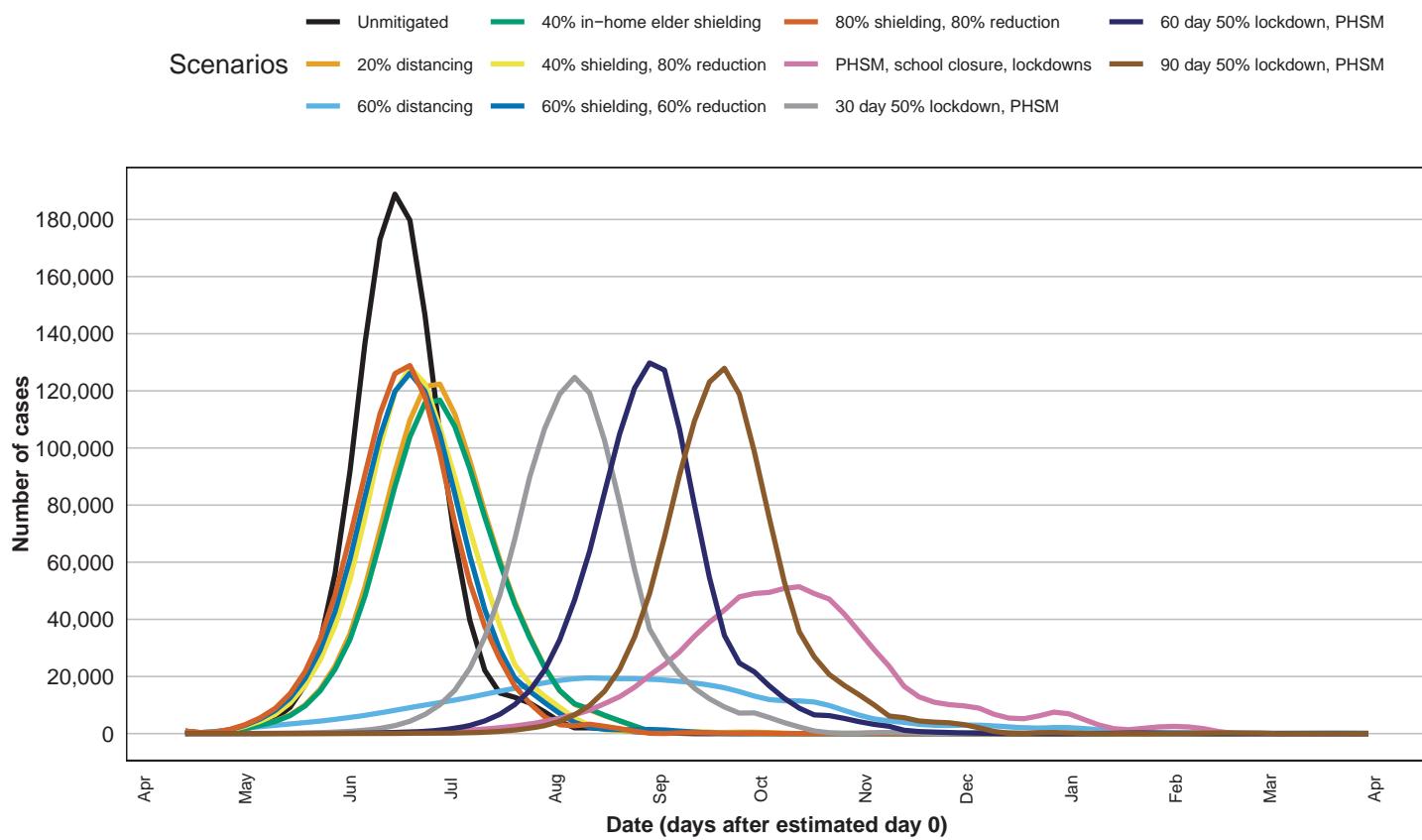
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

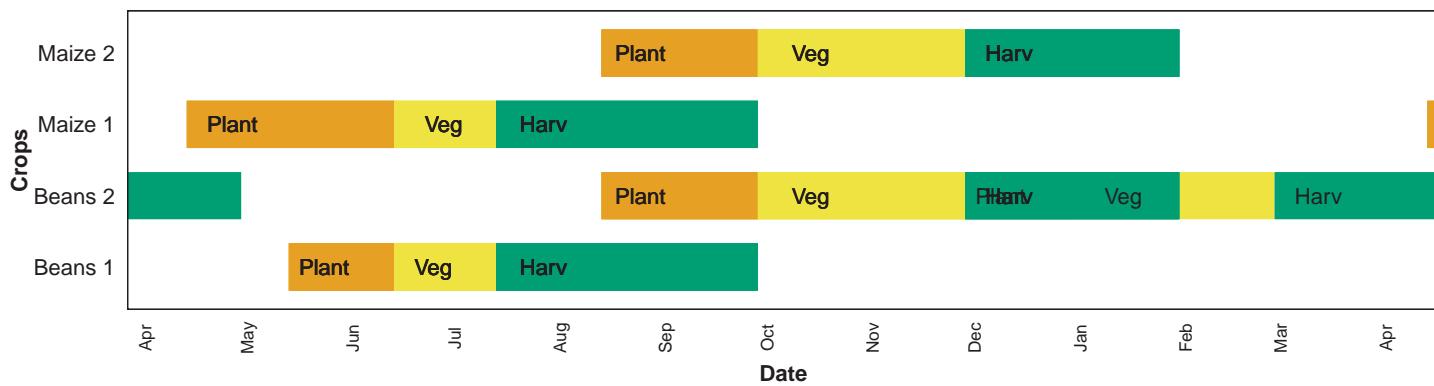


Guatemala

Guatemala cases over time



Guatemala



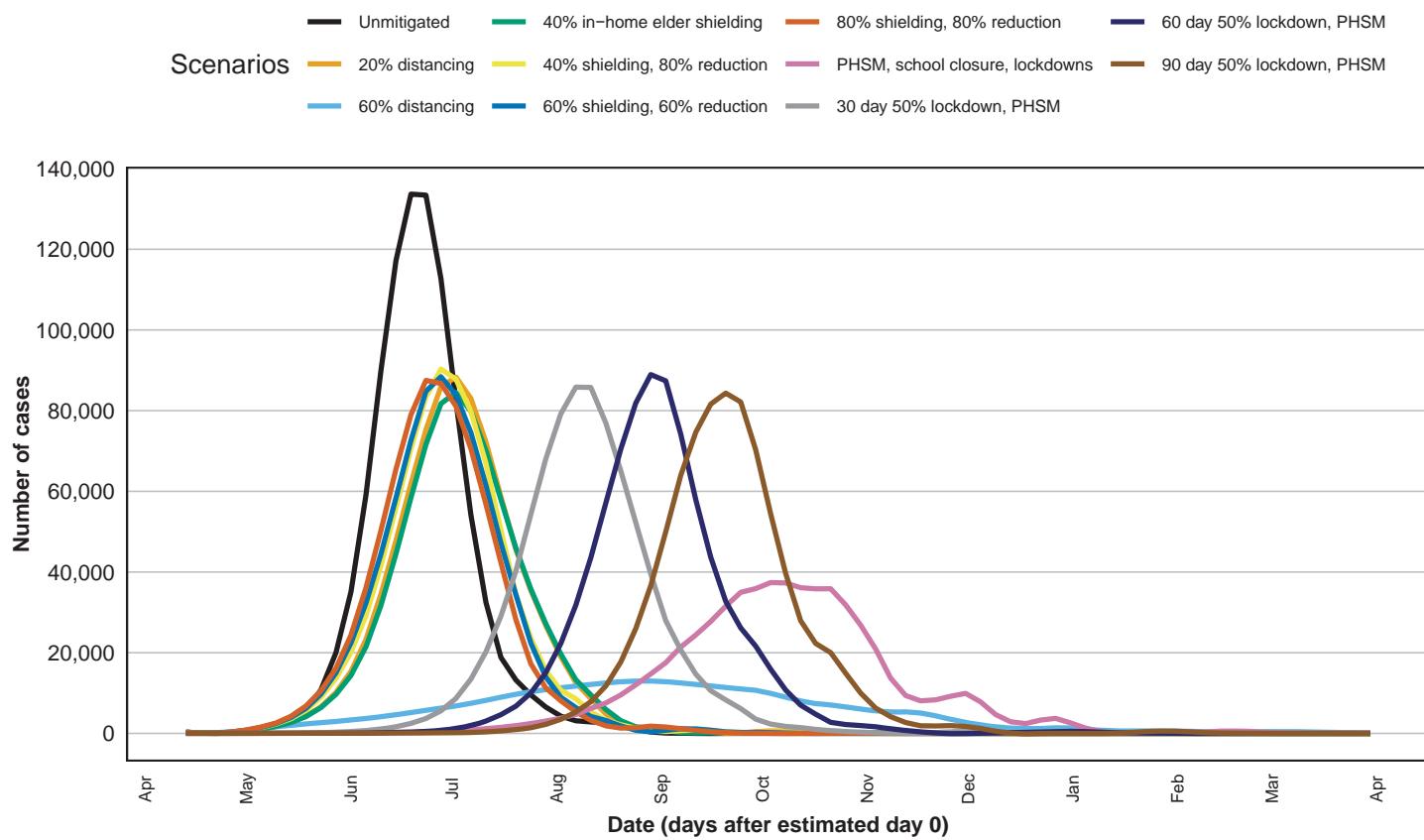
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

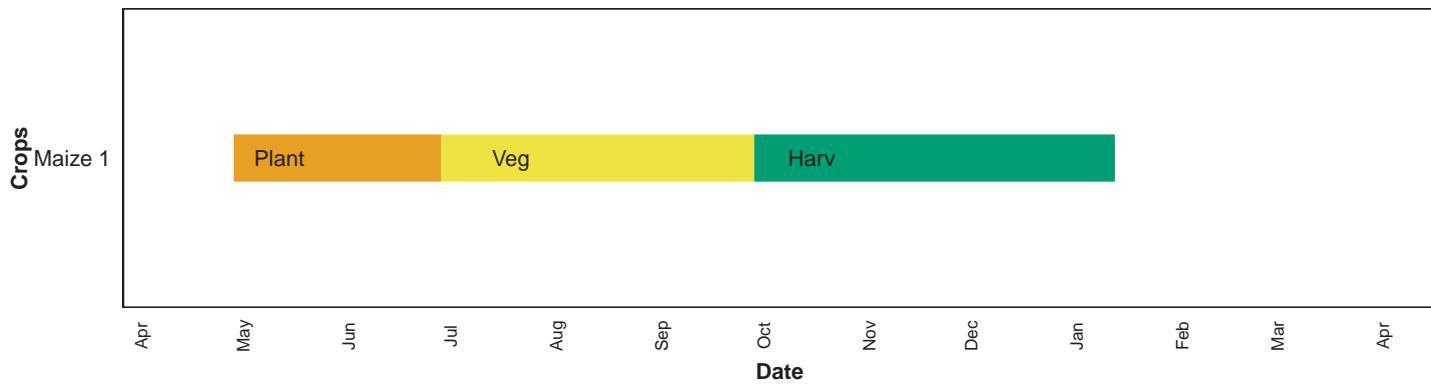


Guinea

Guinea cases over time



Guinea North



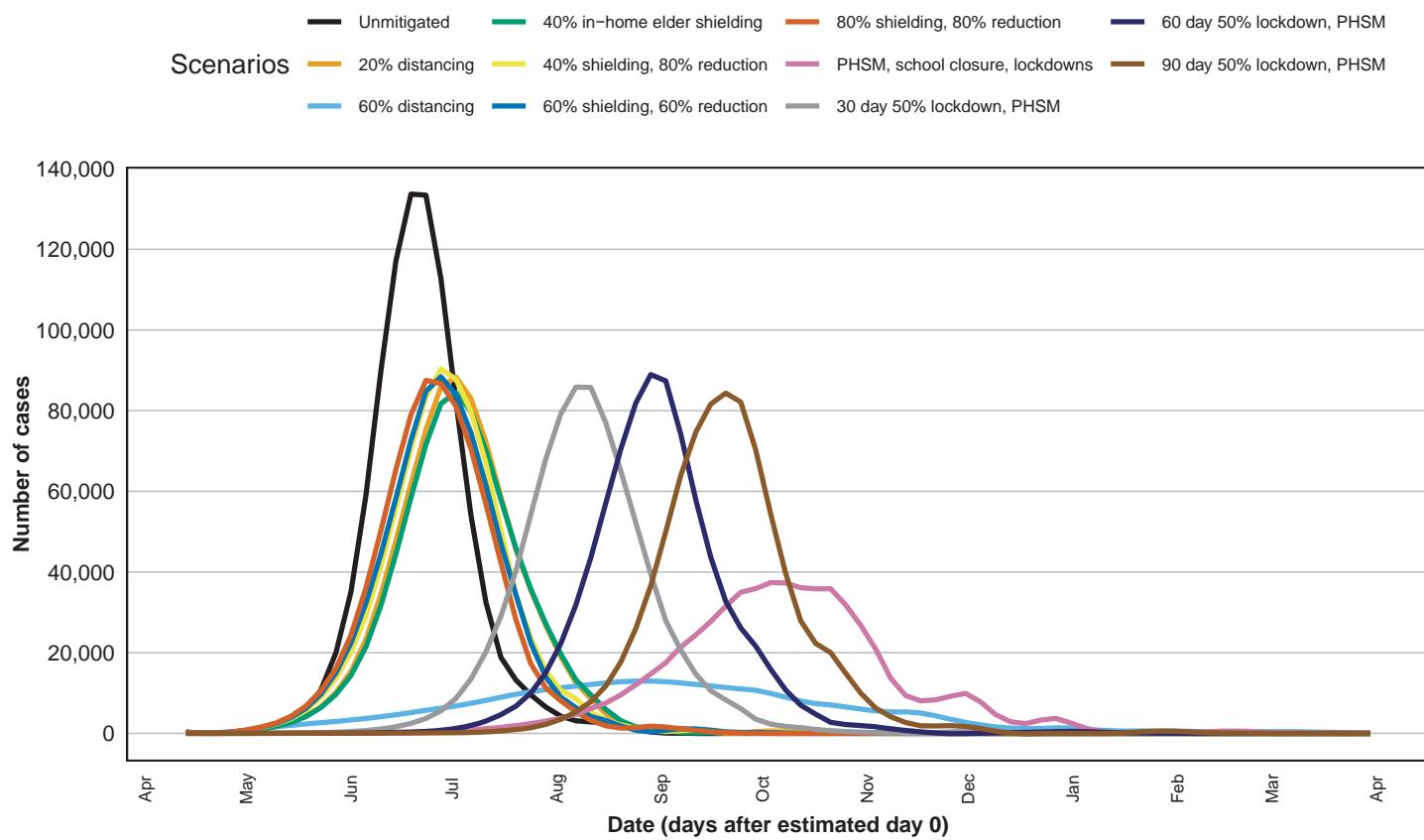
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

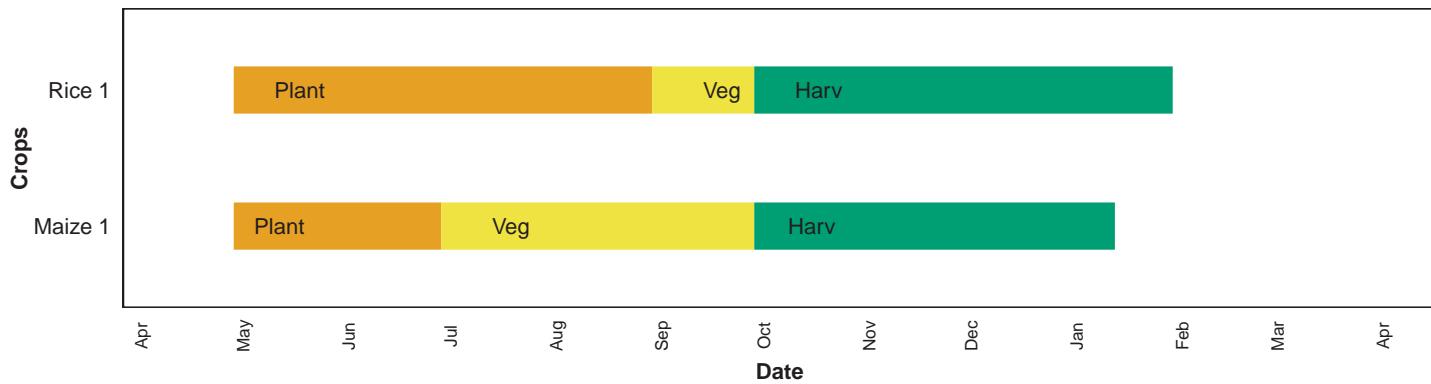


Guinea

Guinea cases over time



Guinea South



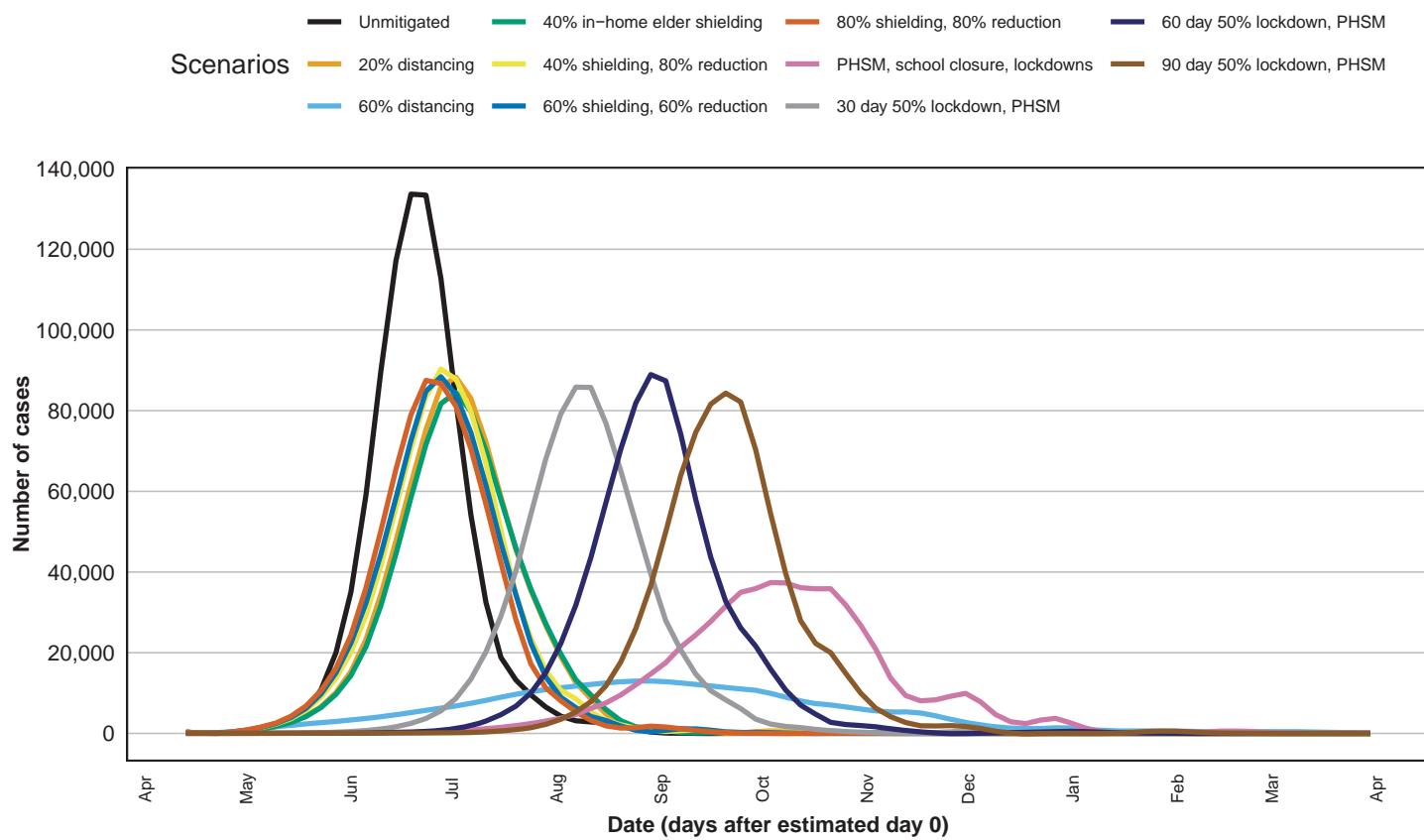
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

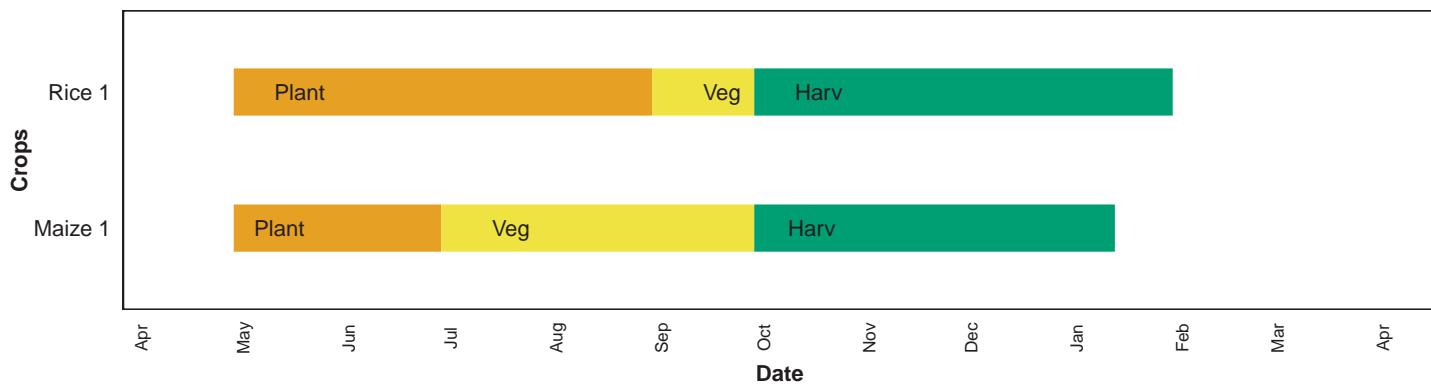


Guinea

Guinea cases over time



Guinea South East



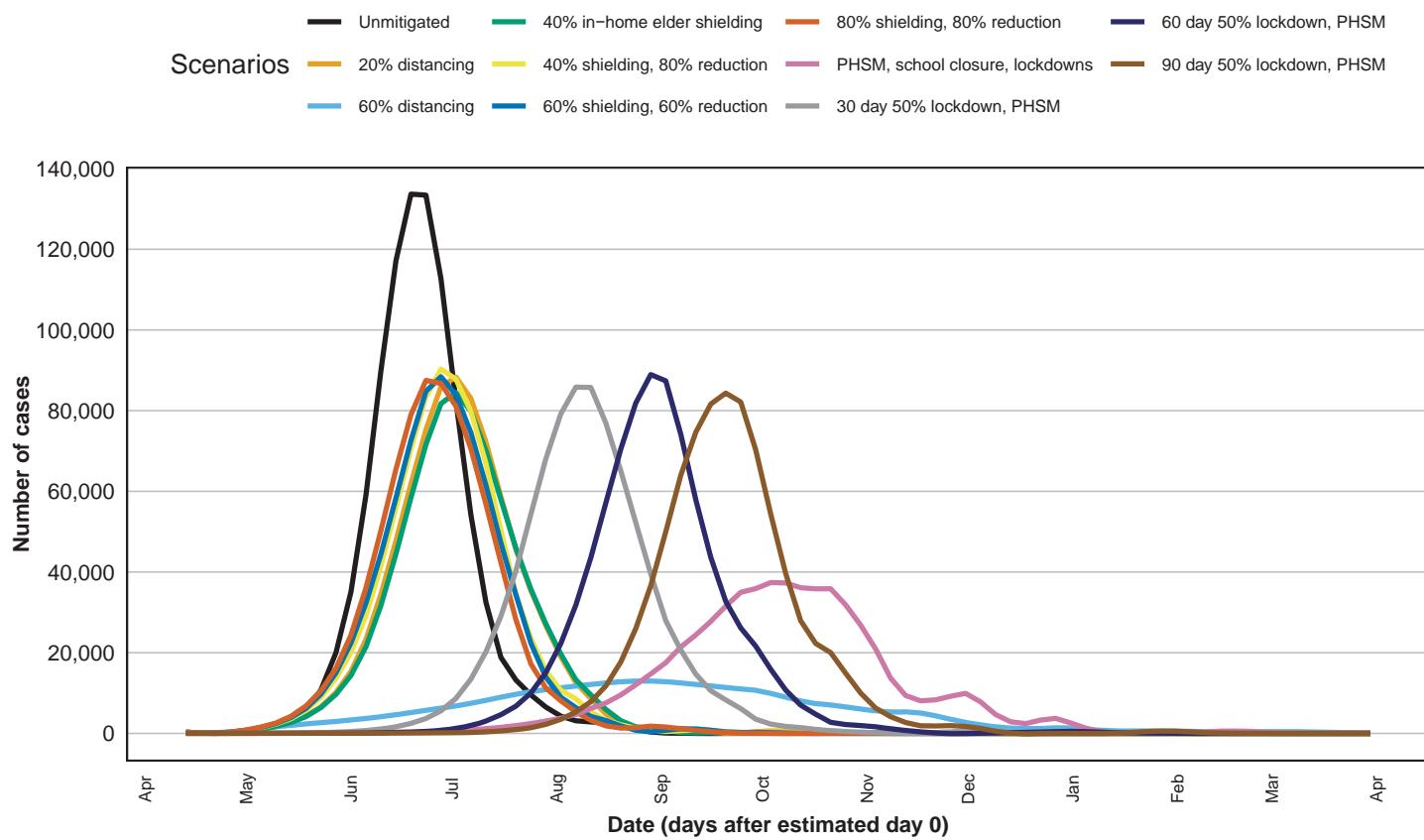
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

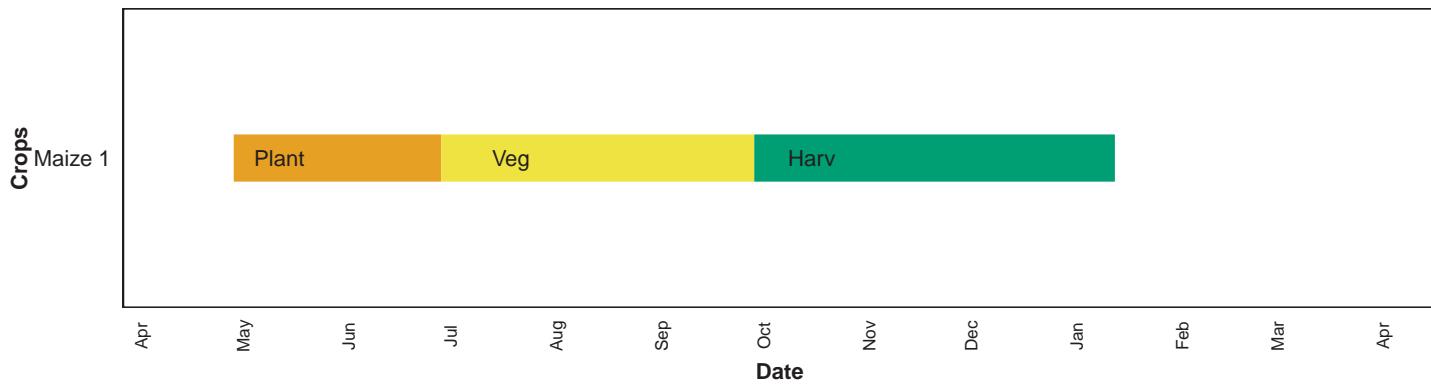


Guinea

Guinea cases over time



Guinea West



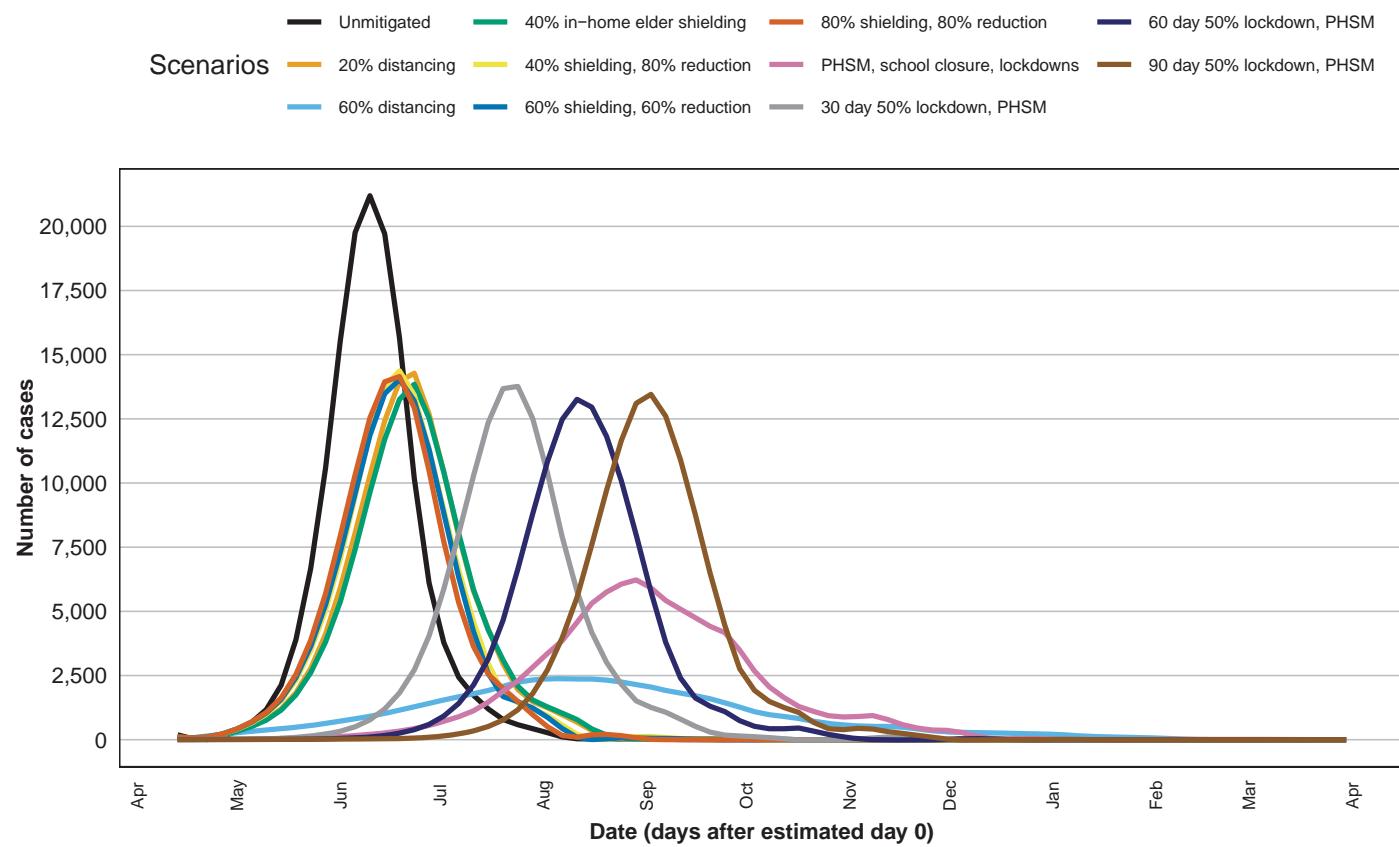
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

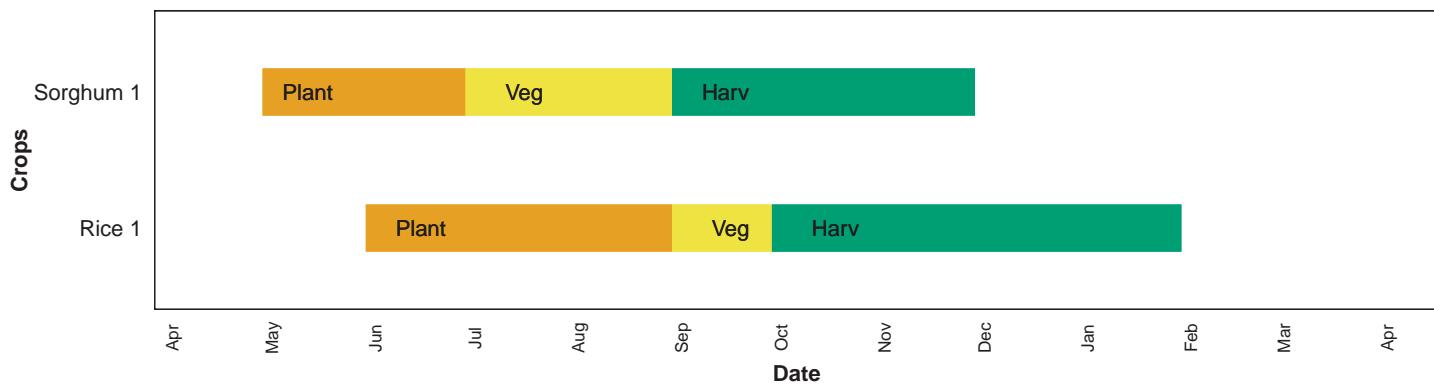


Guinea-Bissau

Guinea-Bissau cases over time



Guinea-Bissau



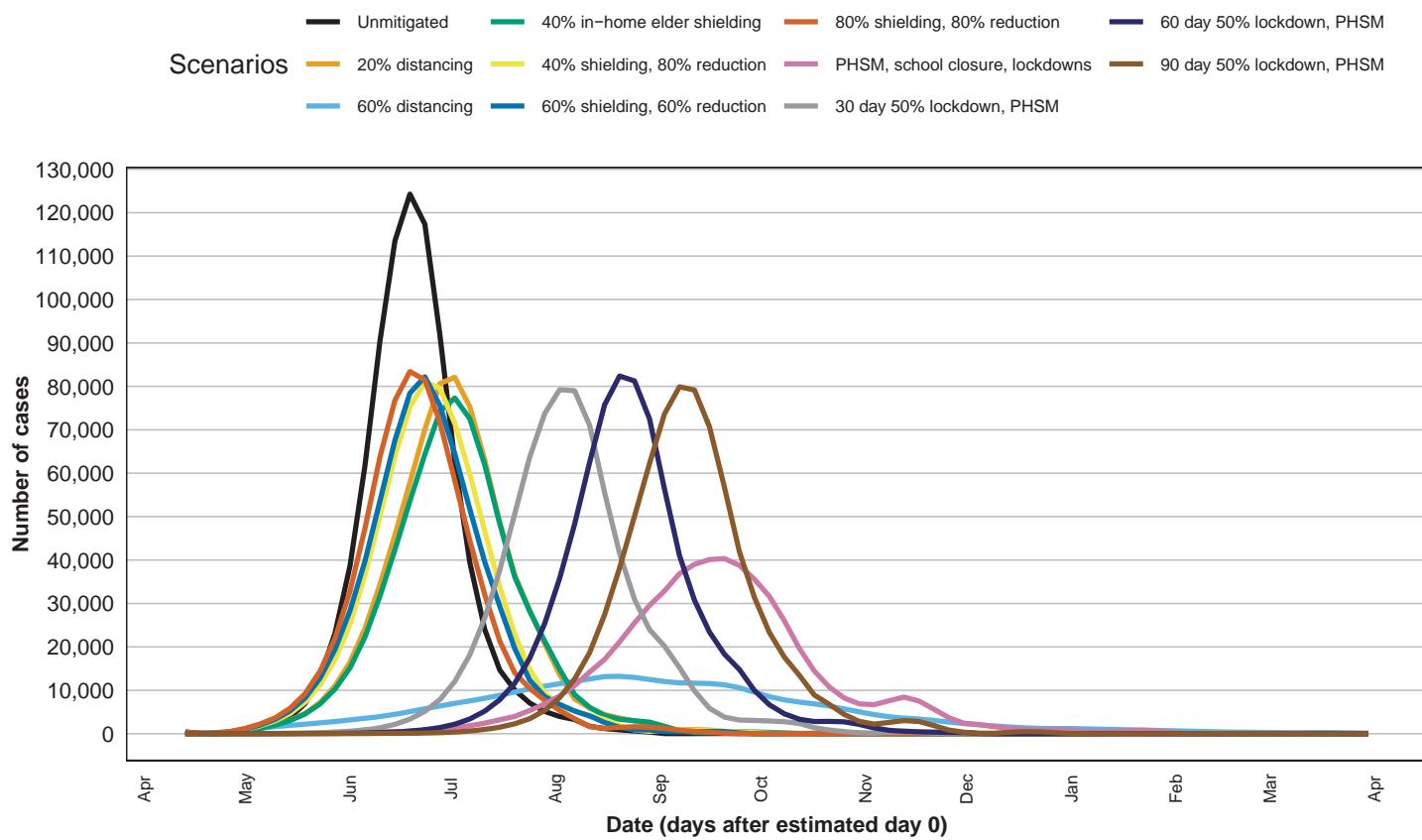
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

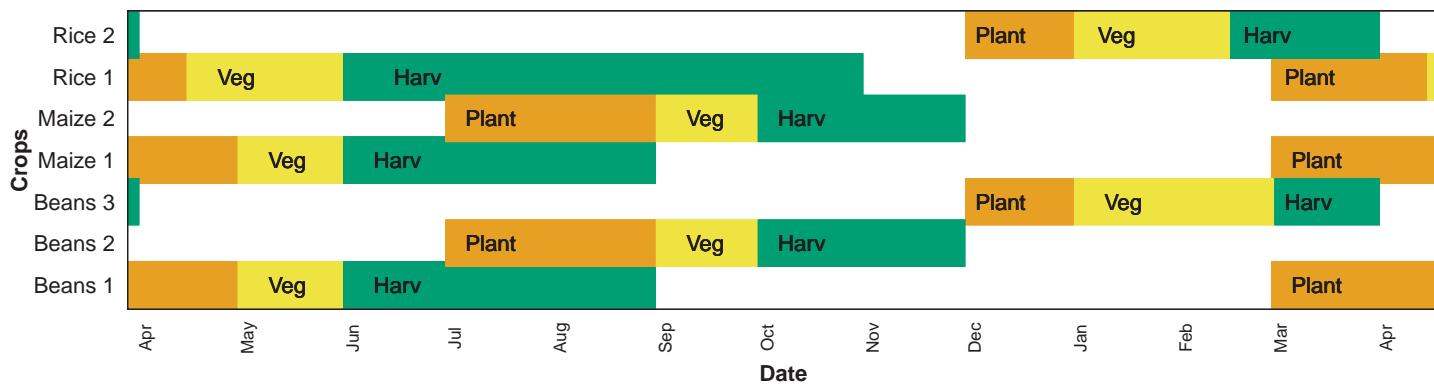


Haiti

Haiti cases over time



Haiti



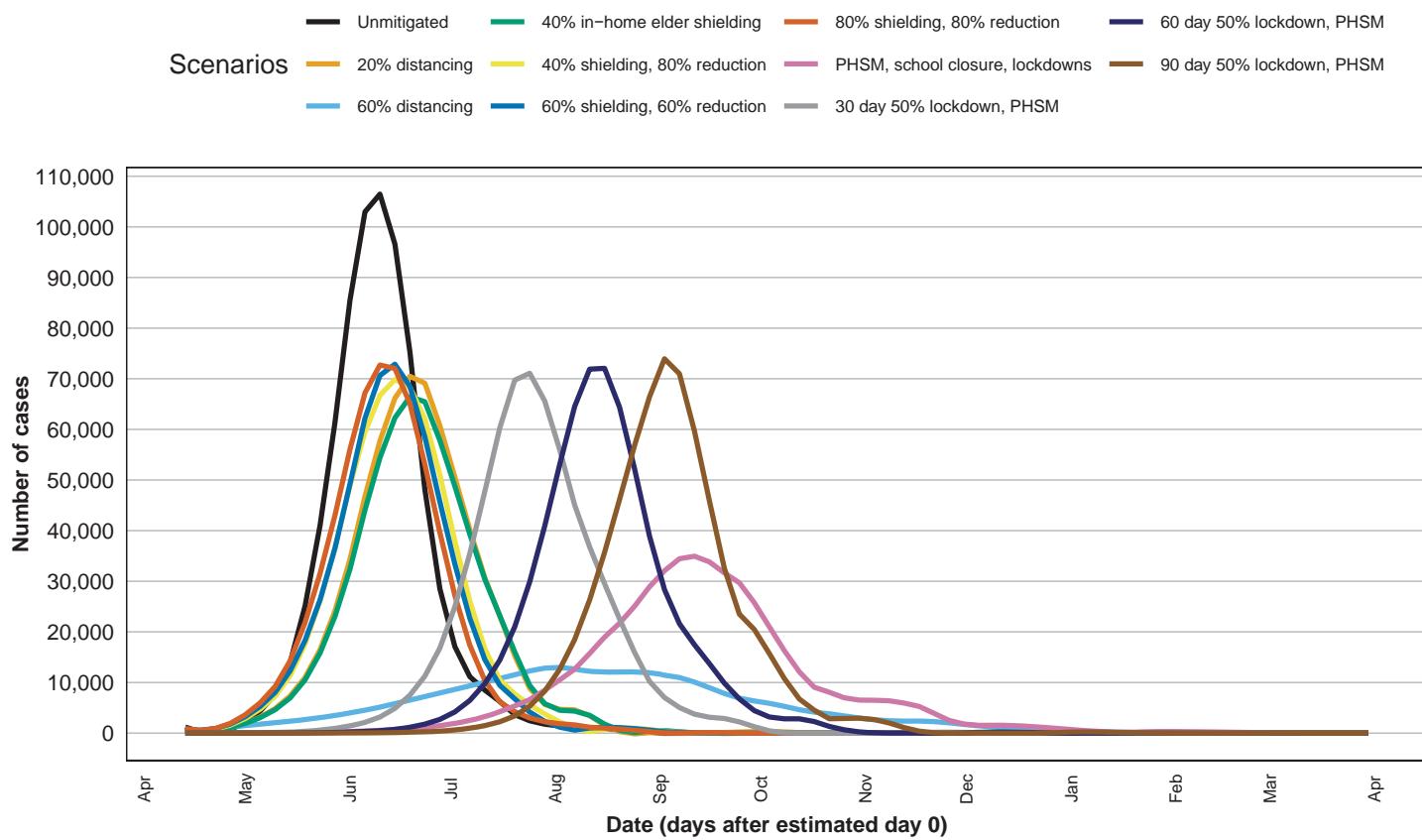
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

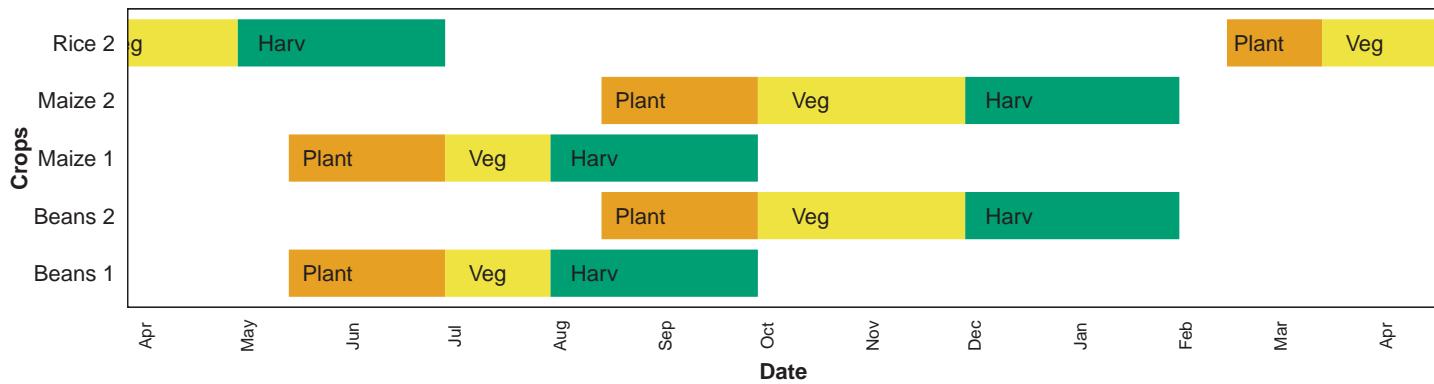


Honduras

Honduras cases over time



Honduras North



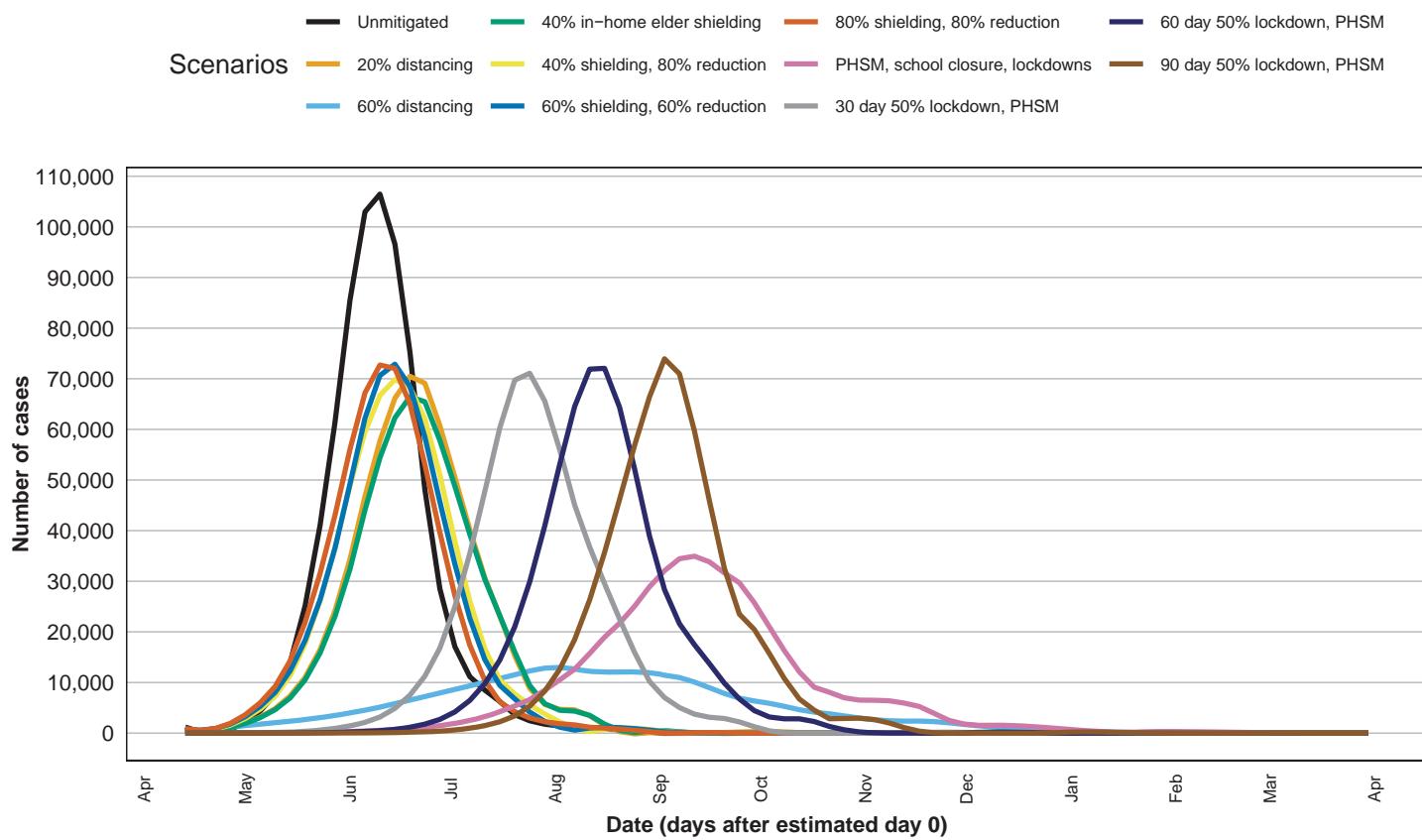
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

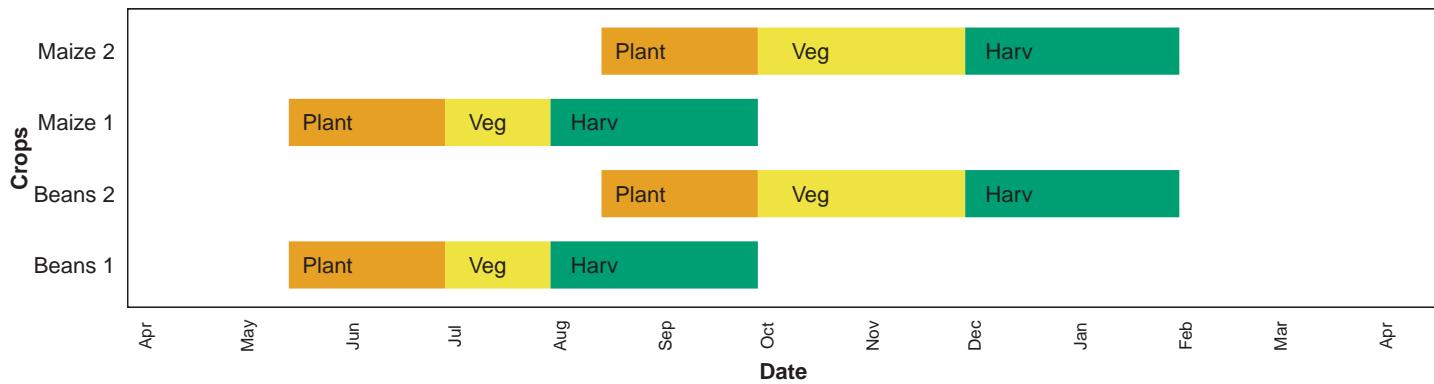


Honduras

Honduras cases over time



Honduras South



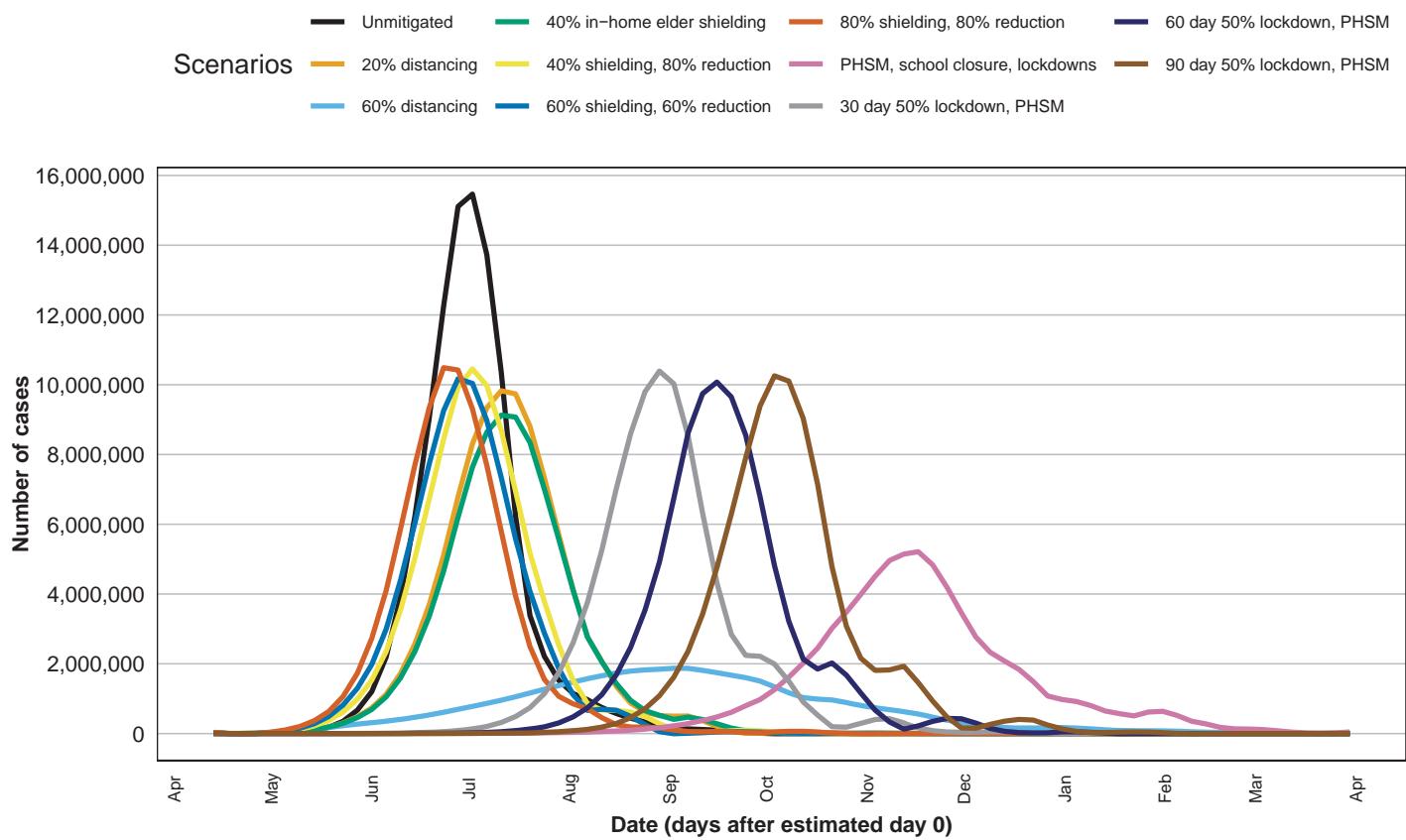
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

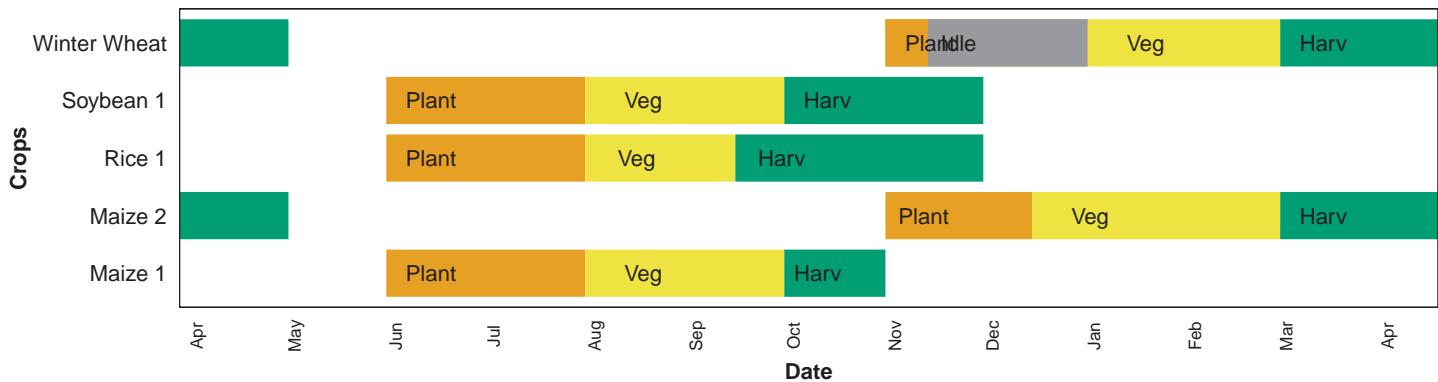


India

India cases over time



India Central



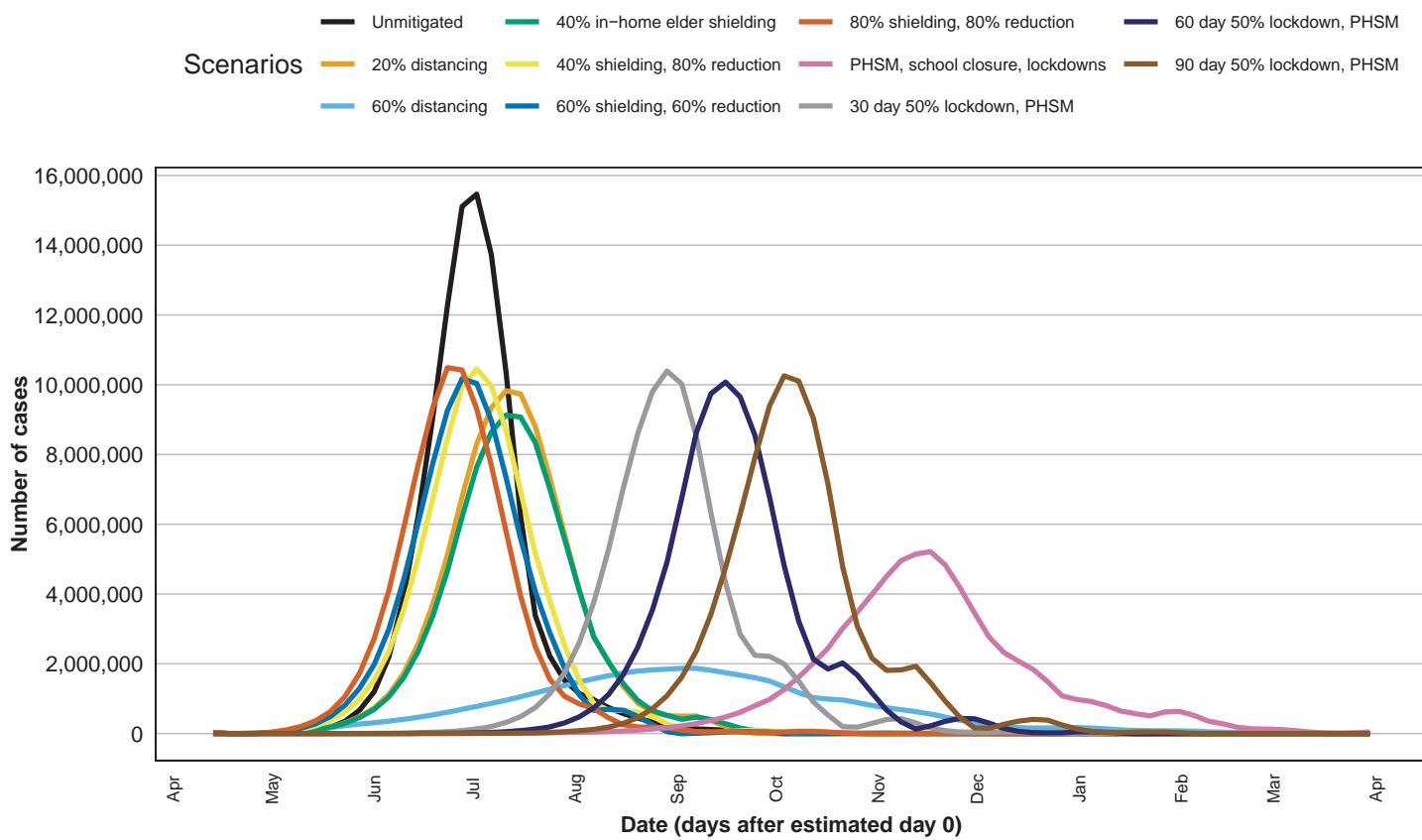
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

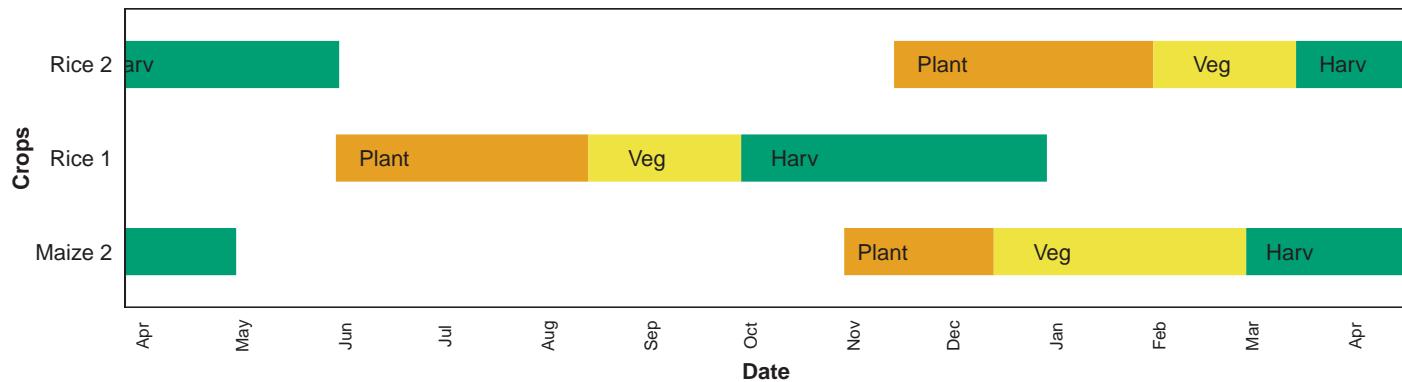


India

India cases over time

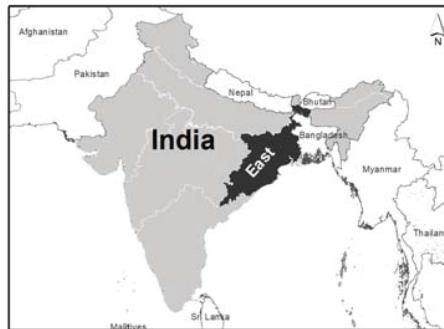


India East



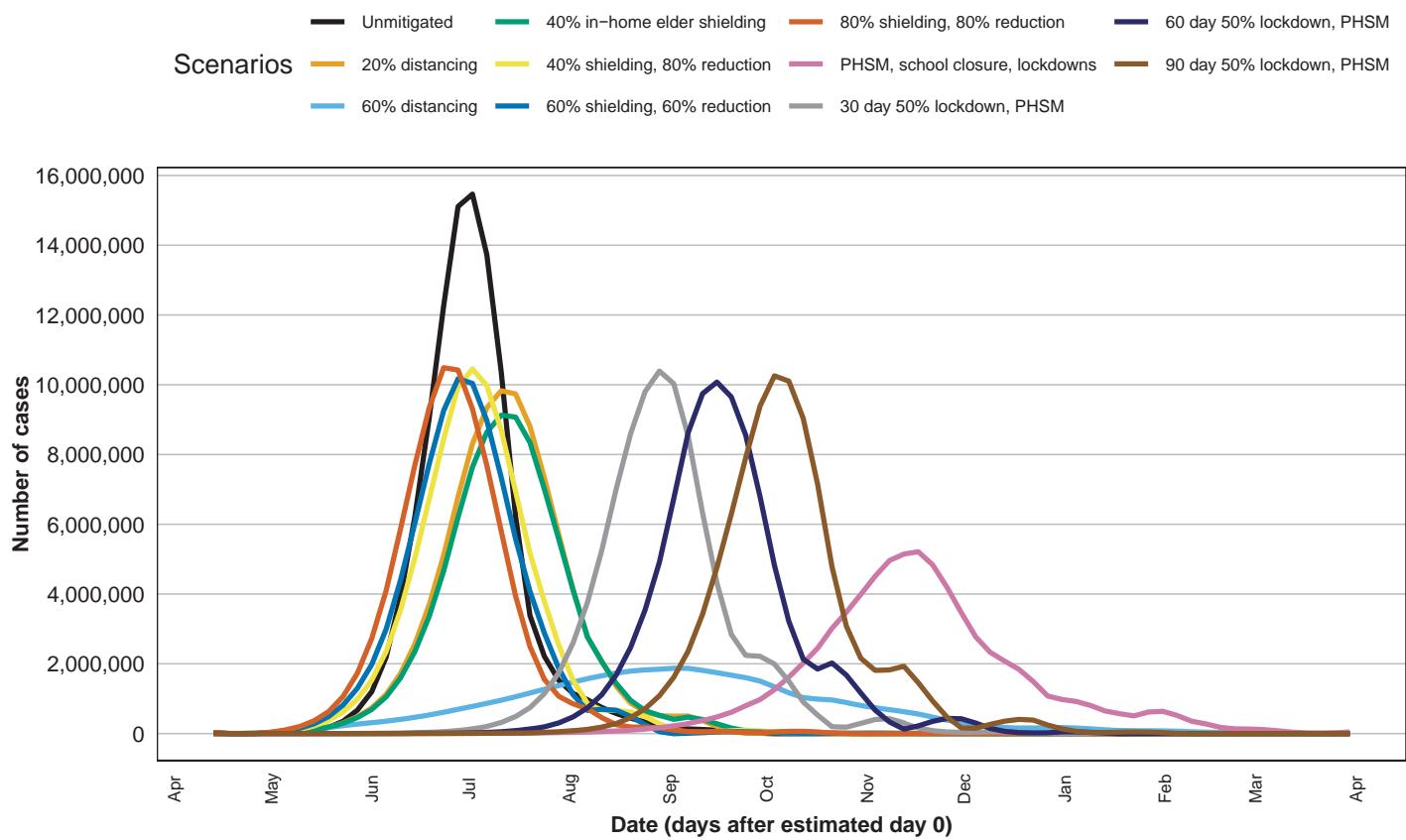
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

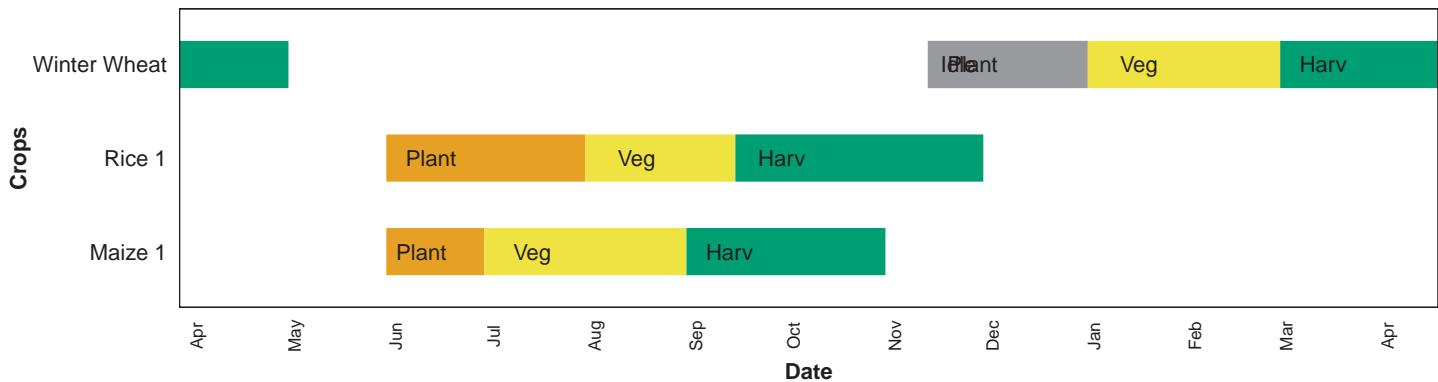


India

India cases over time

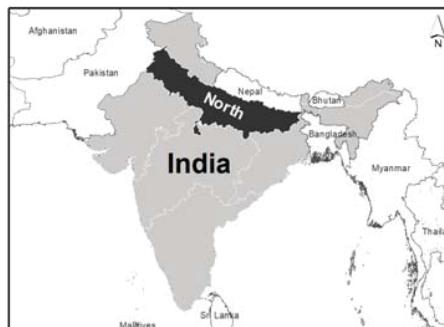


India North



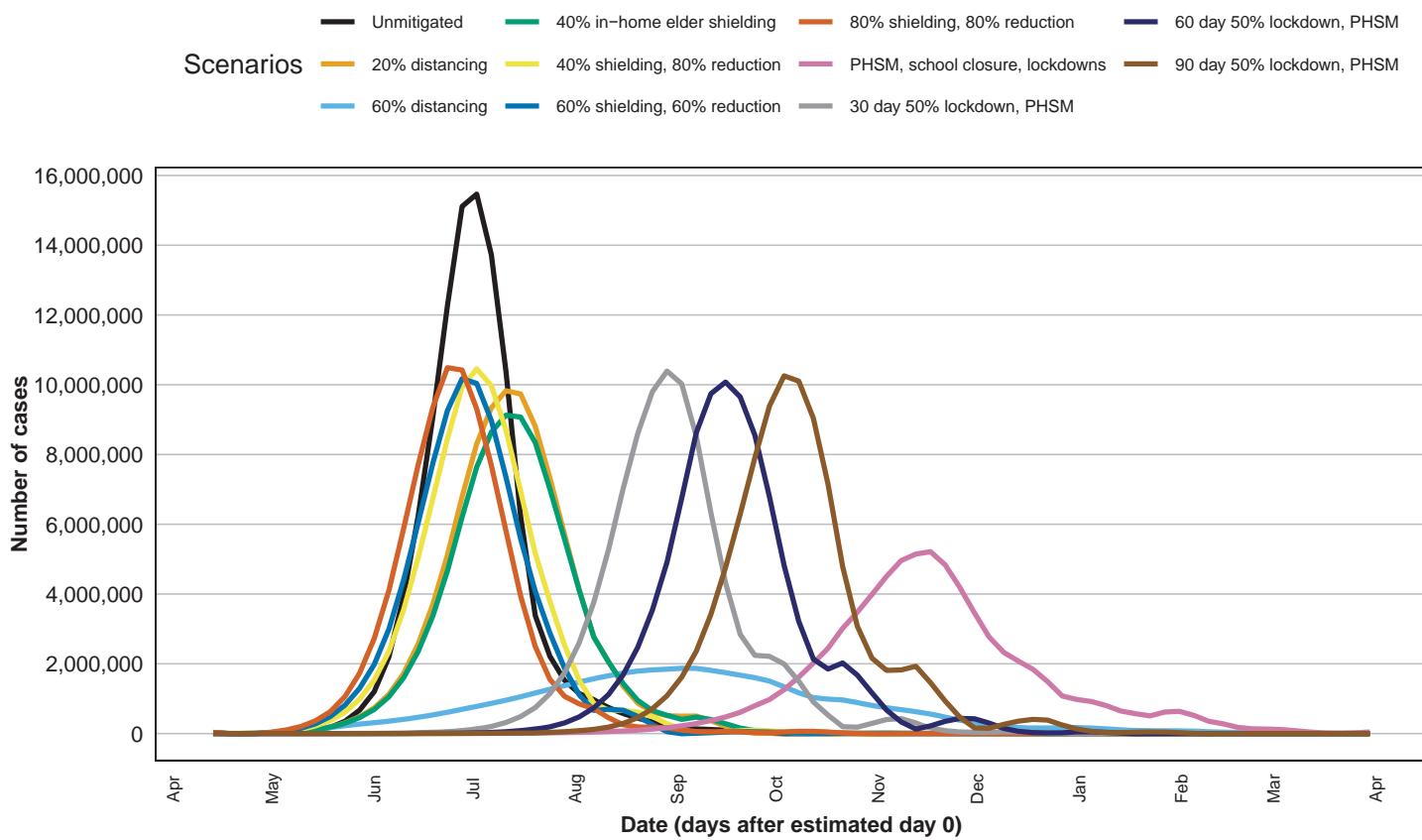
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

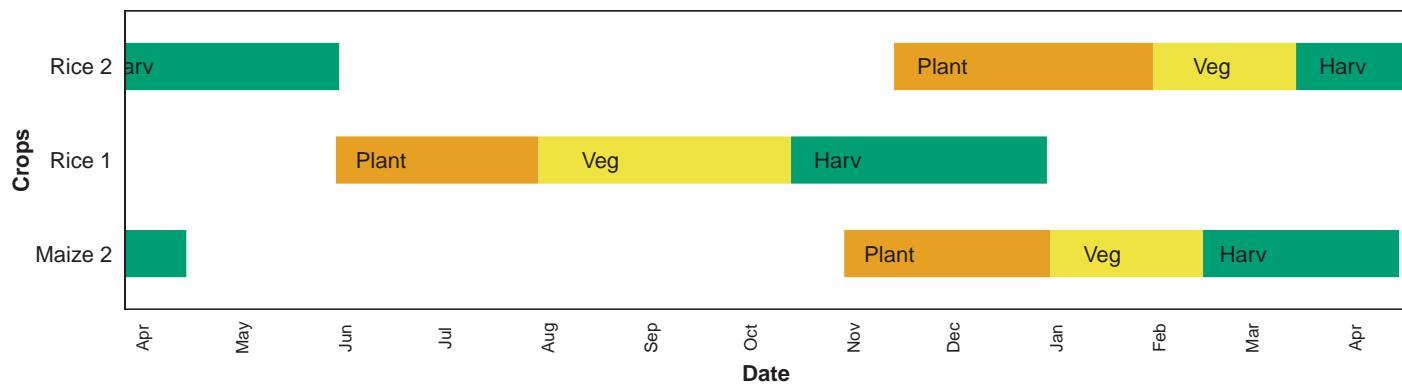


India

India cases over time



India Northeast



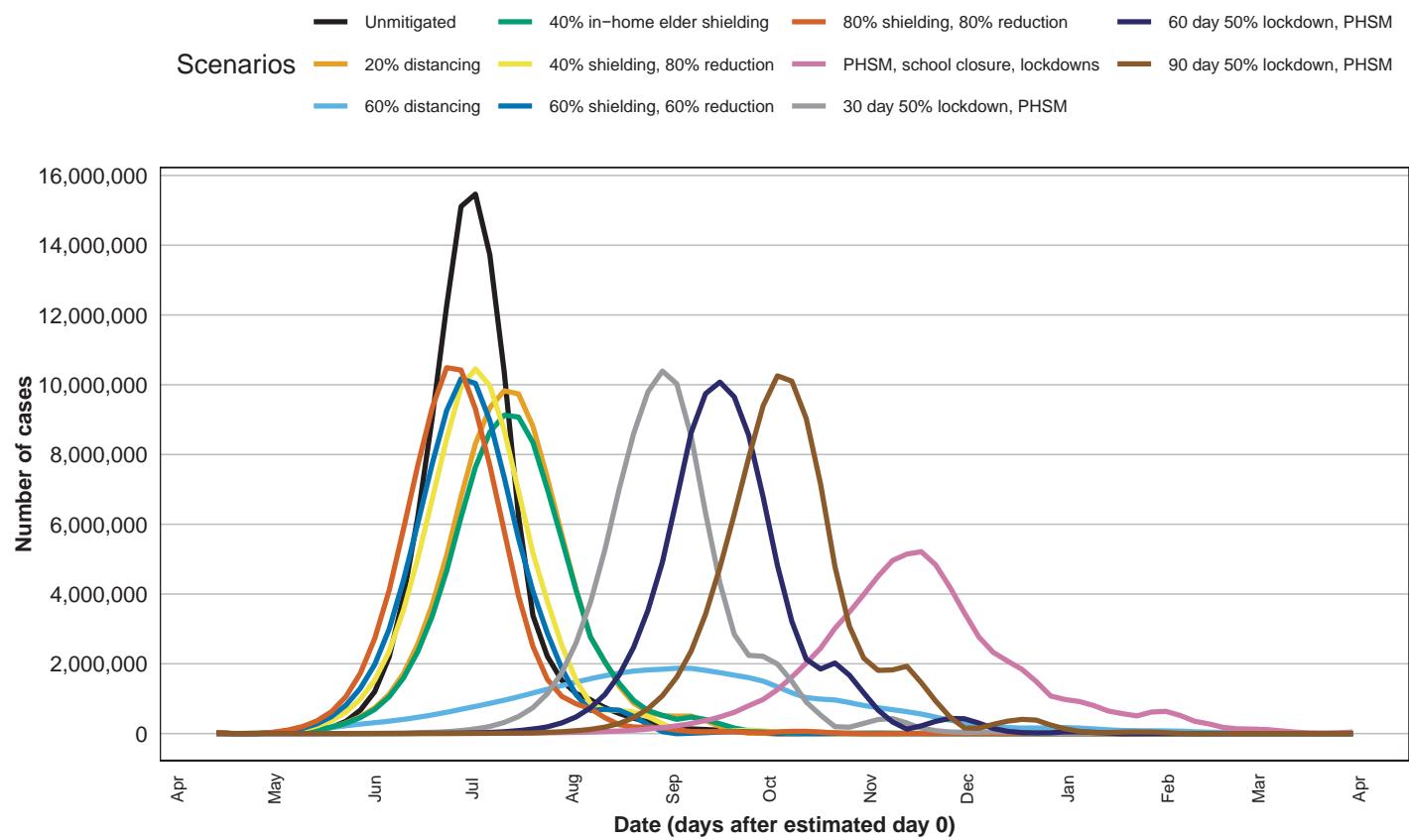
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

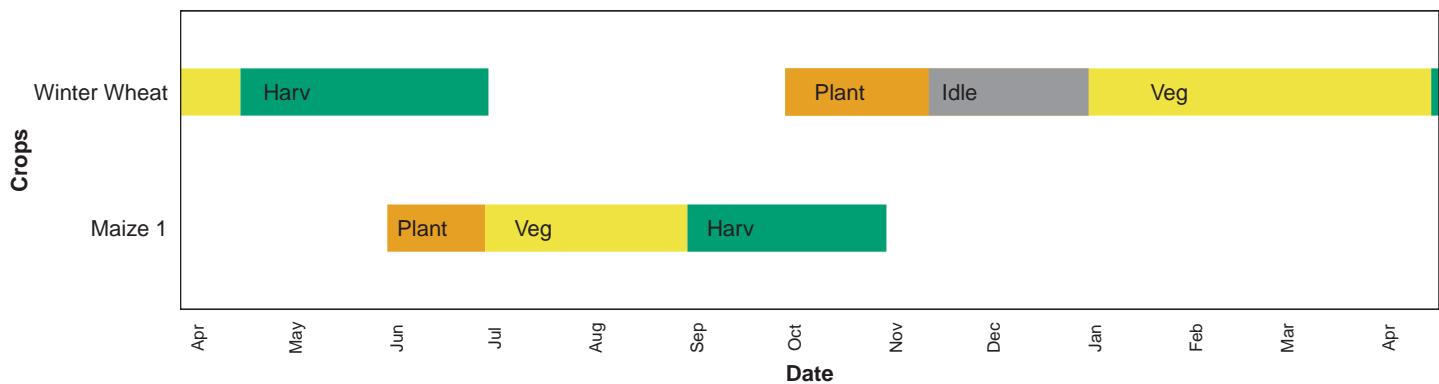


India

India cases over time



India Northwest



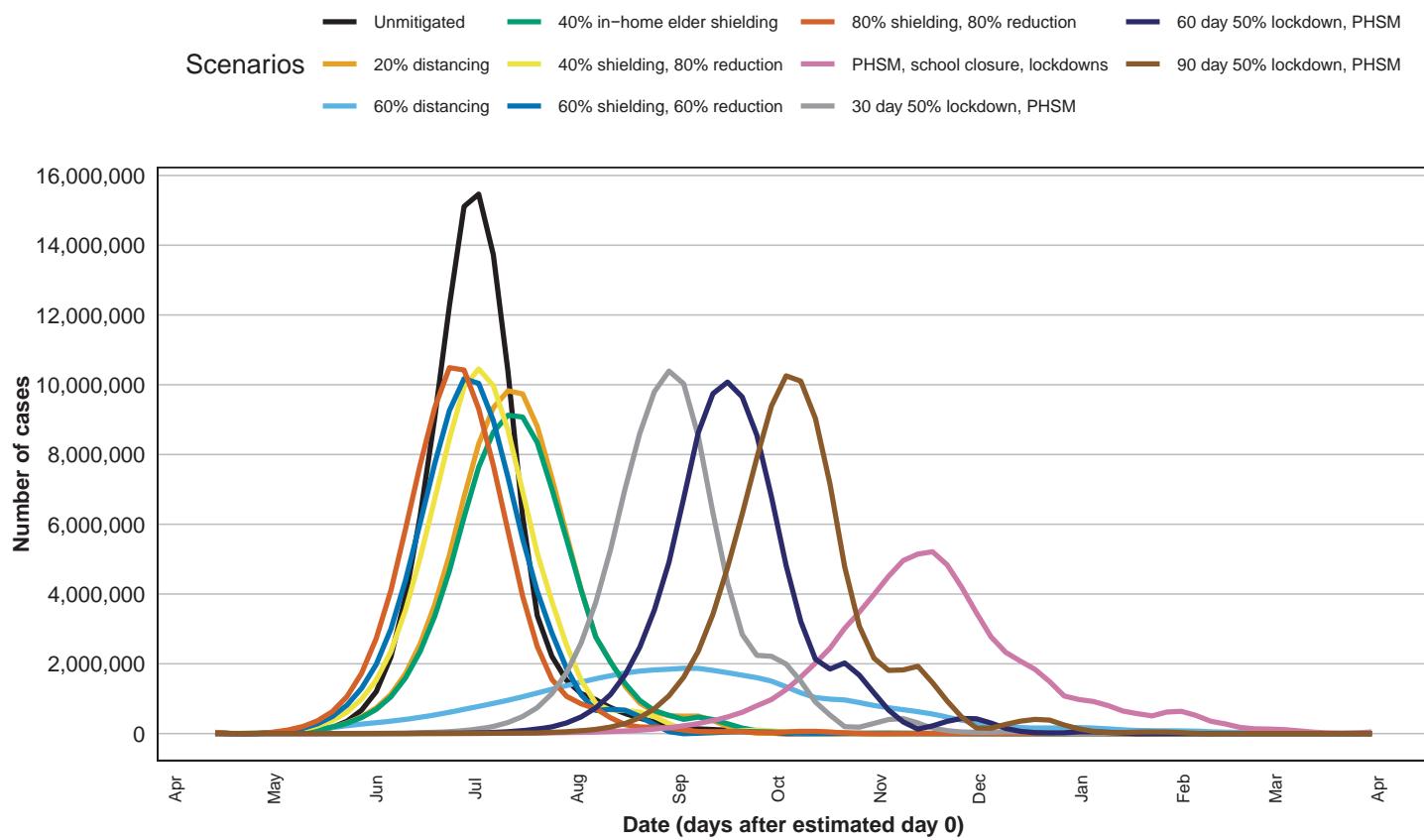
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

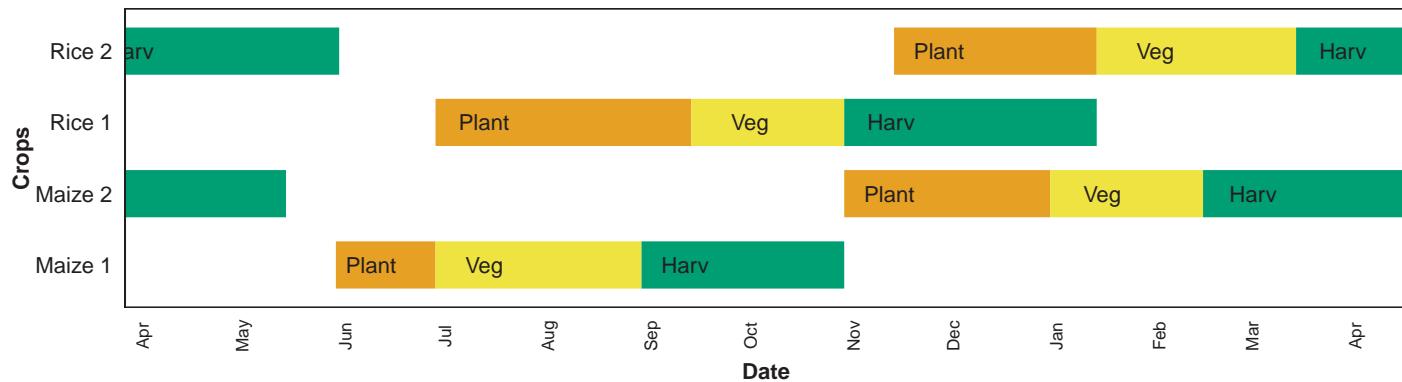


India

India cases over time



India South



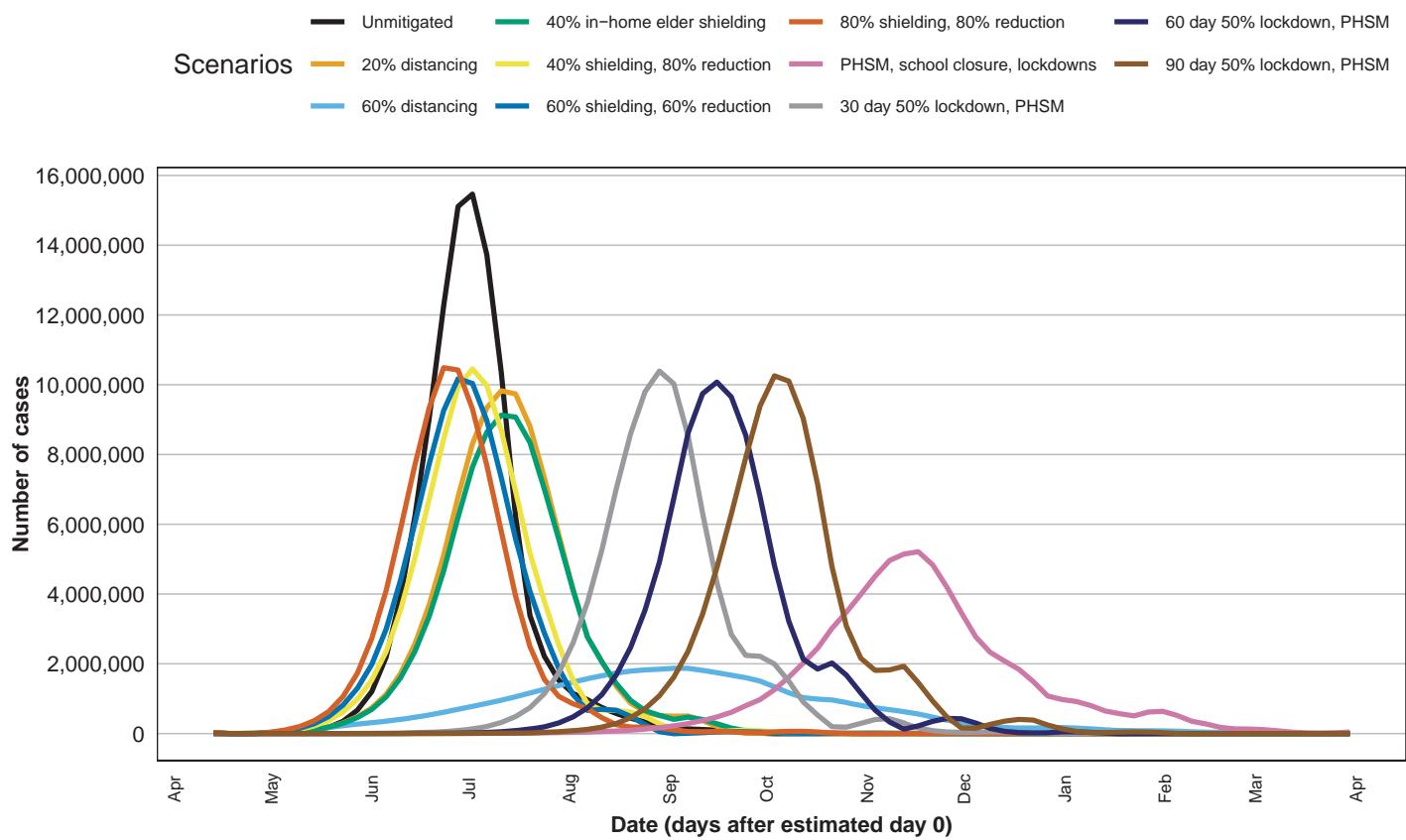
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

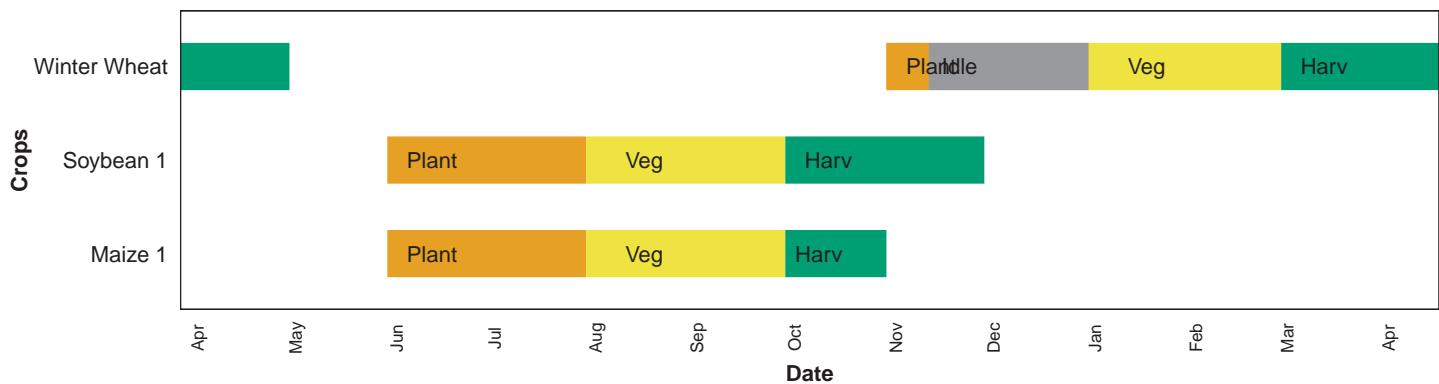


India

India cases over time



India West



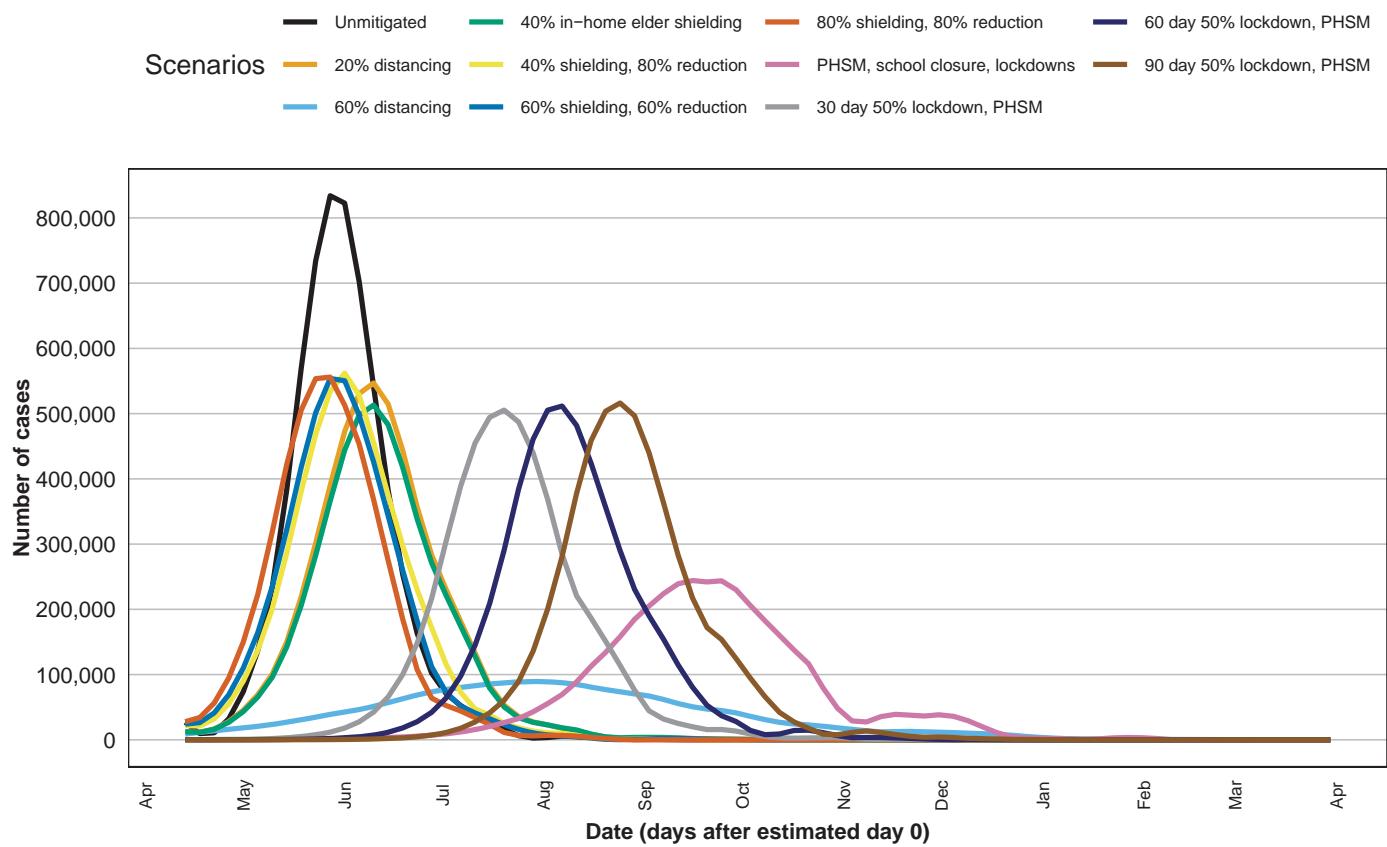
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

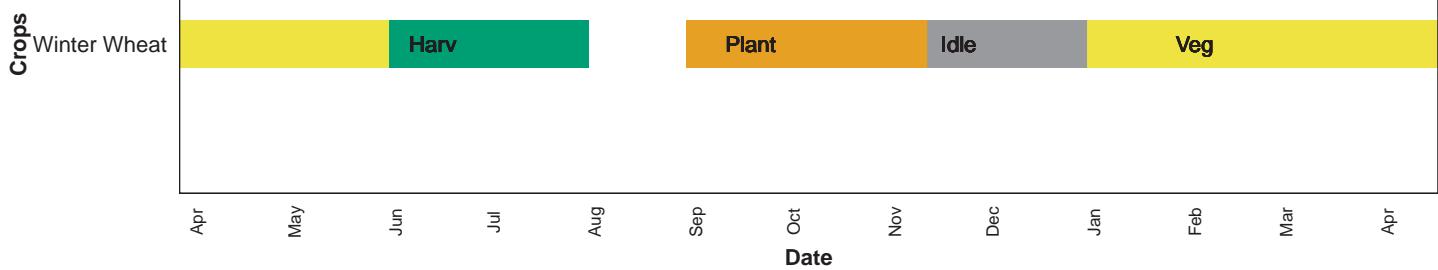


Iran

Iran cases over time



Iran



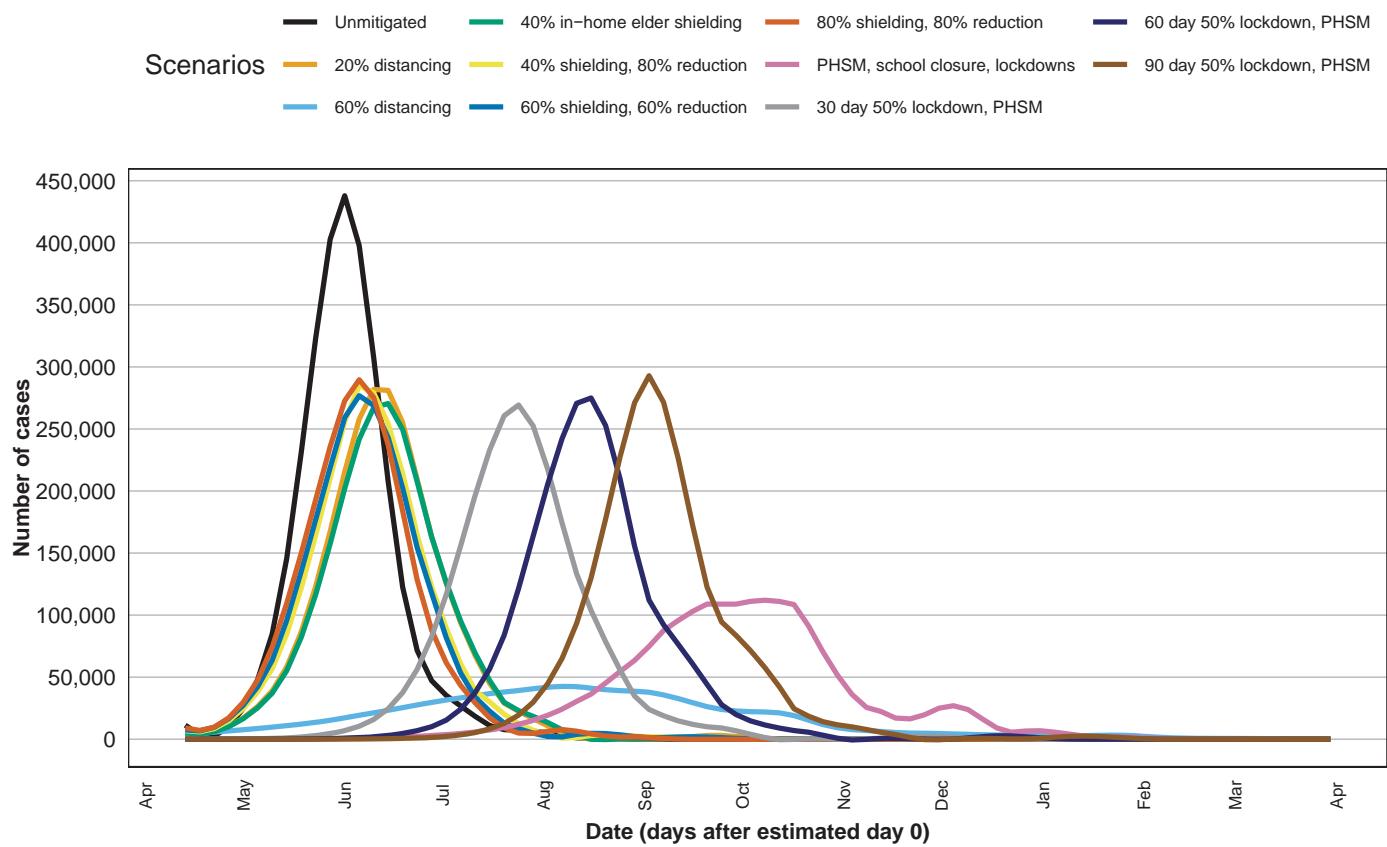
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

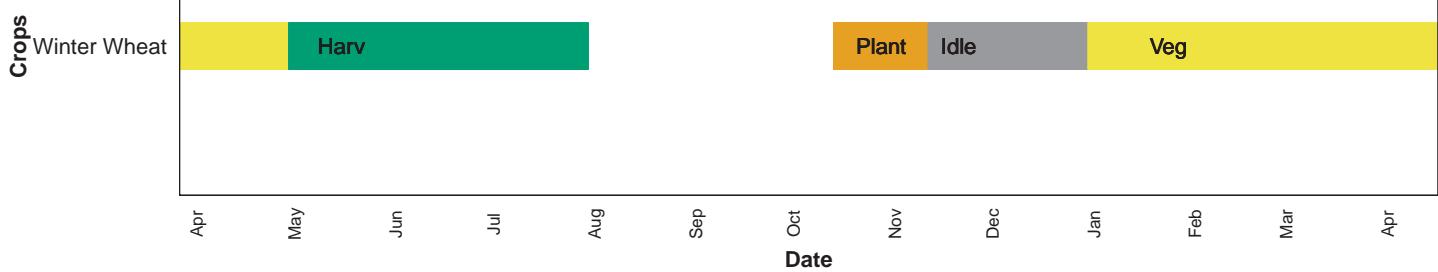


Iraq

Iraq cases over time



Iraq



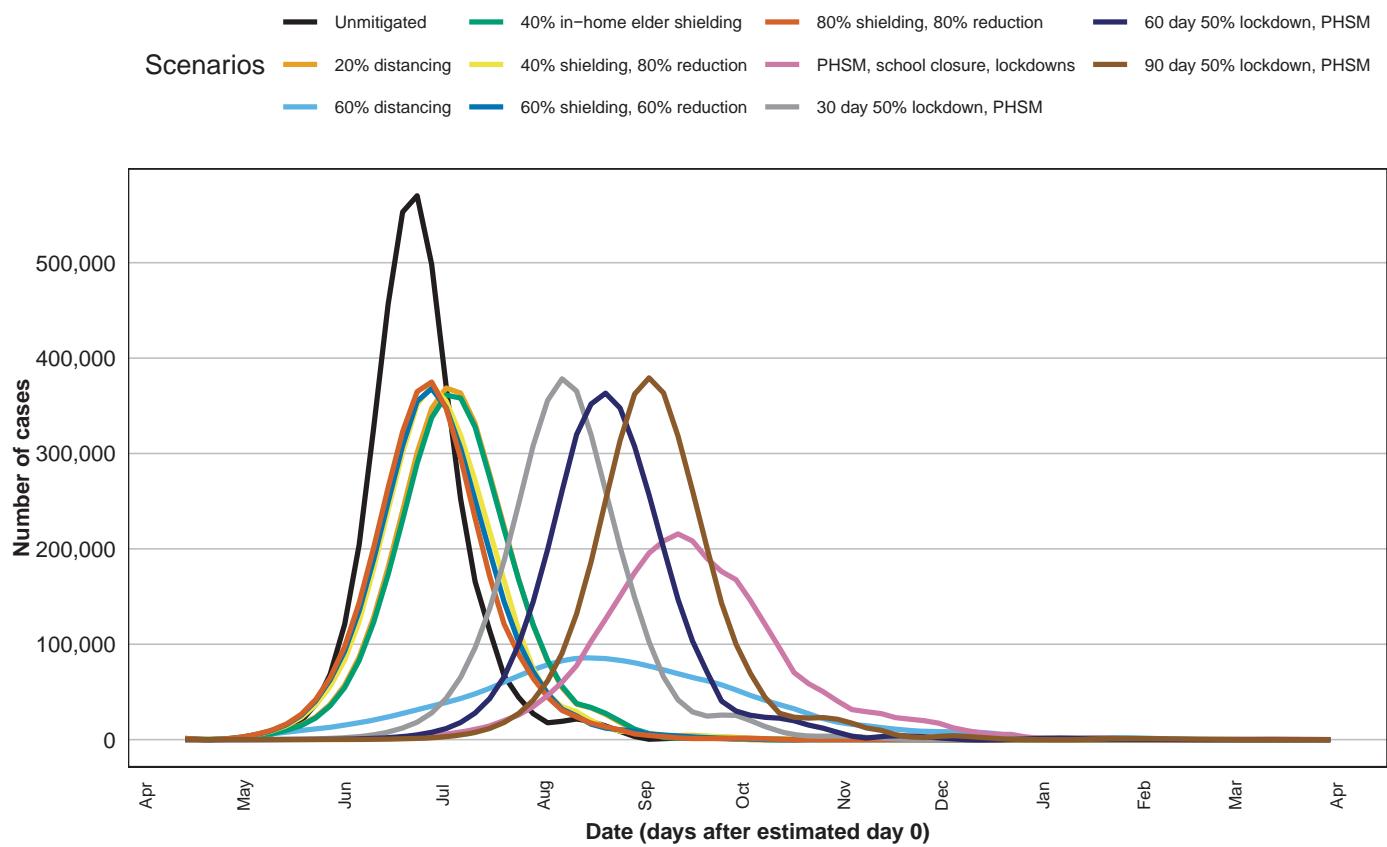
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

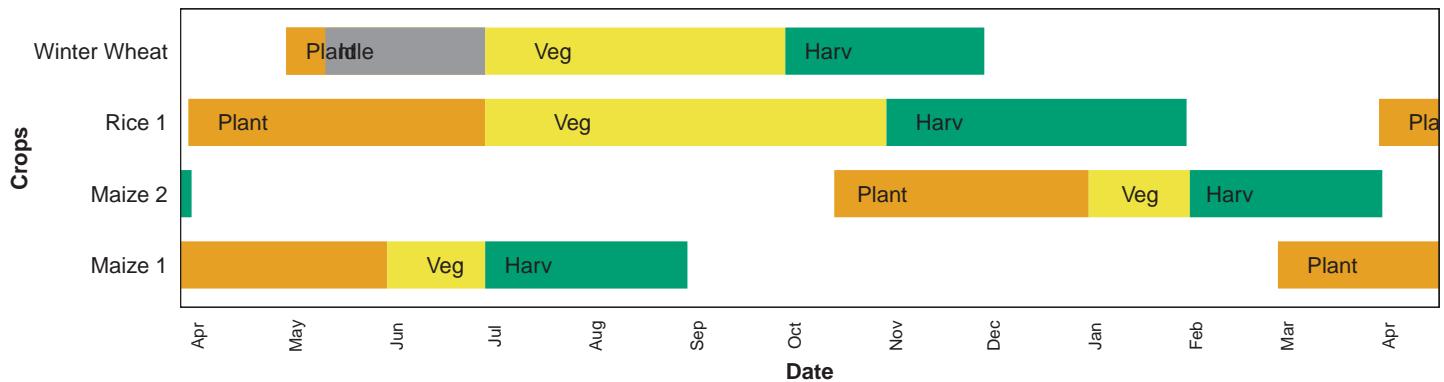


Kenya

Kenya cases over time



Kenya Central



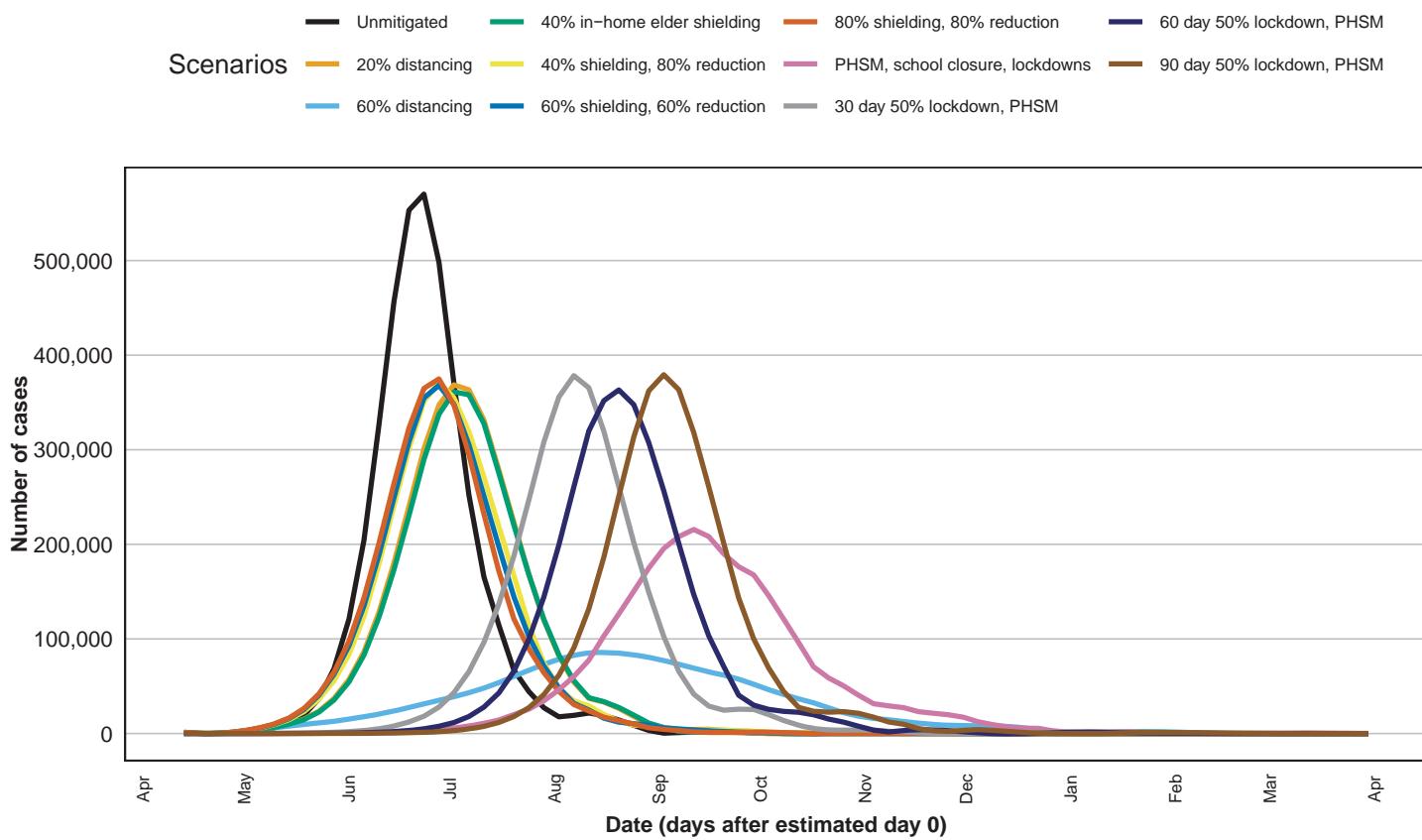
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

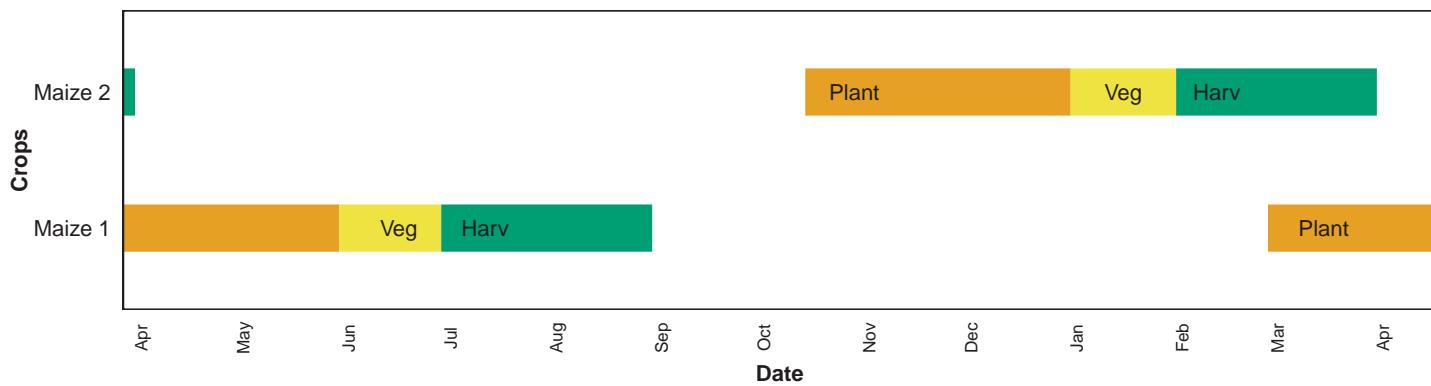


Kenya

Kenya cases over time



Kenya Coast



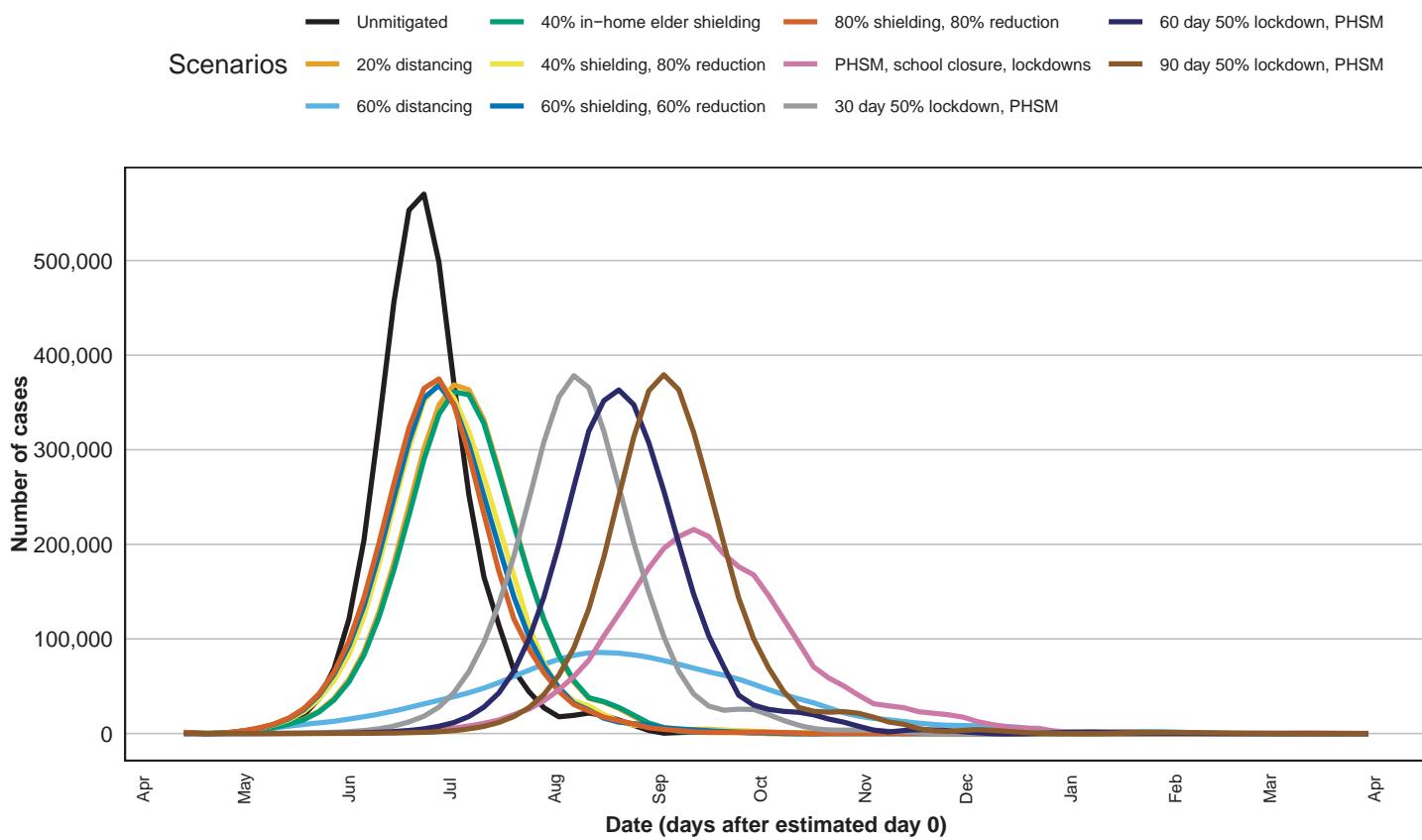
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

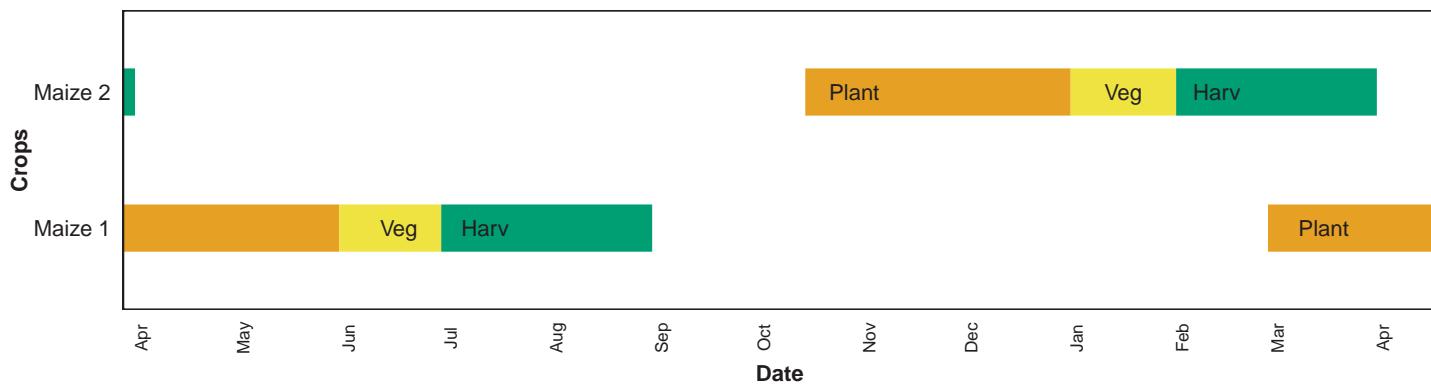


Kenya

Kenya cases over time



Kenya Eastern



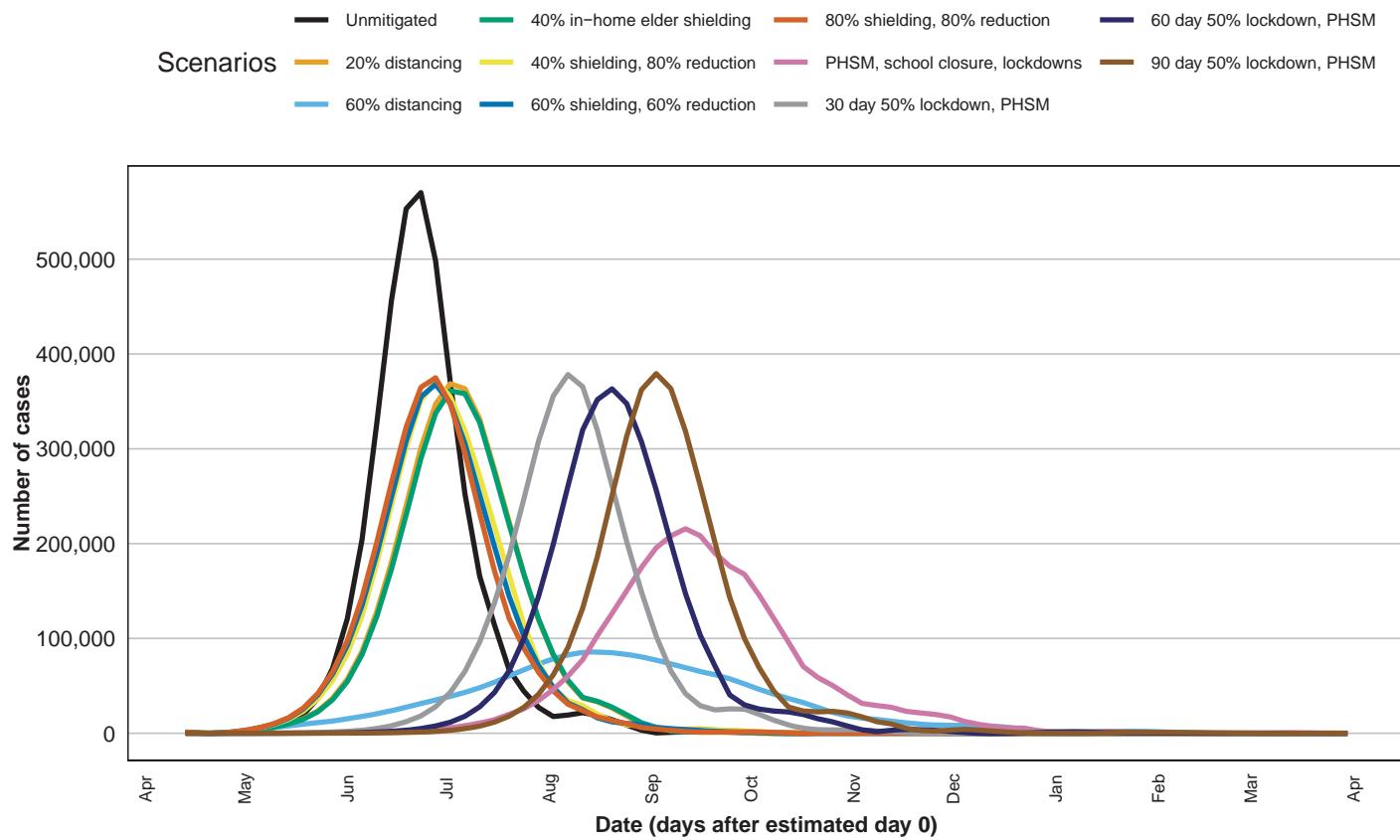
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

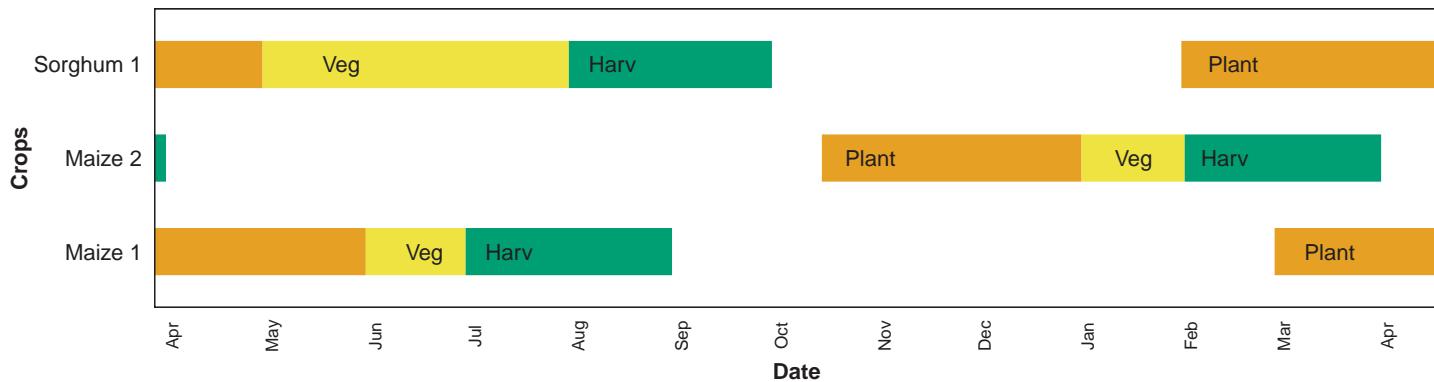


Kenya

Kenya cases over time



Kenya North Eastern



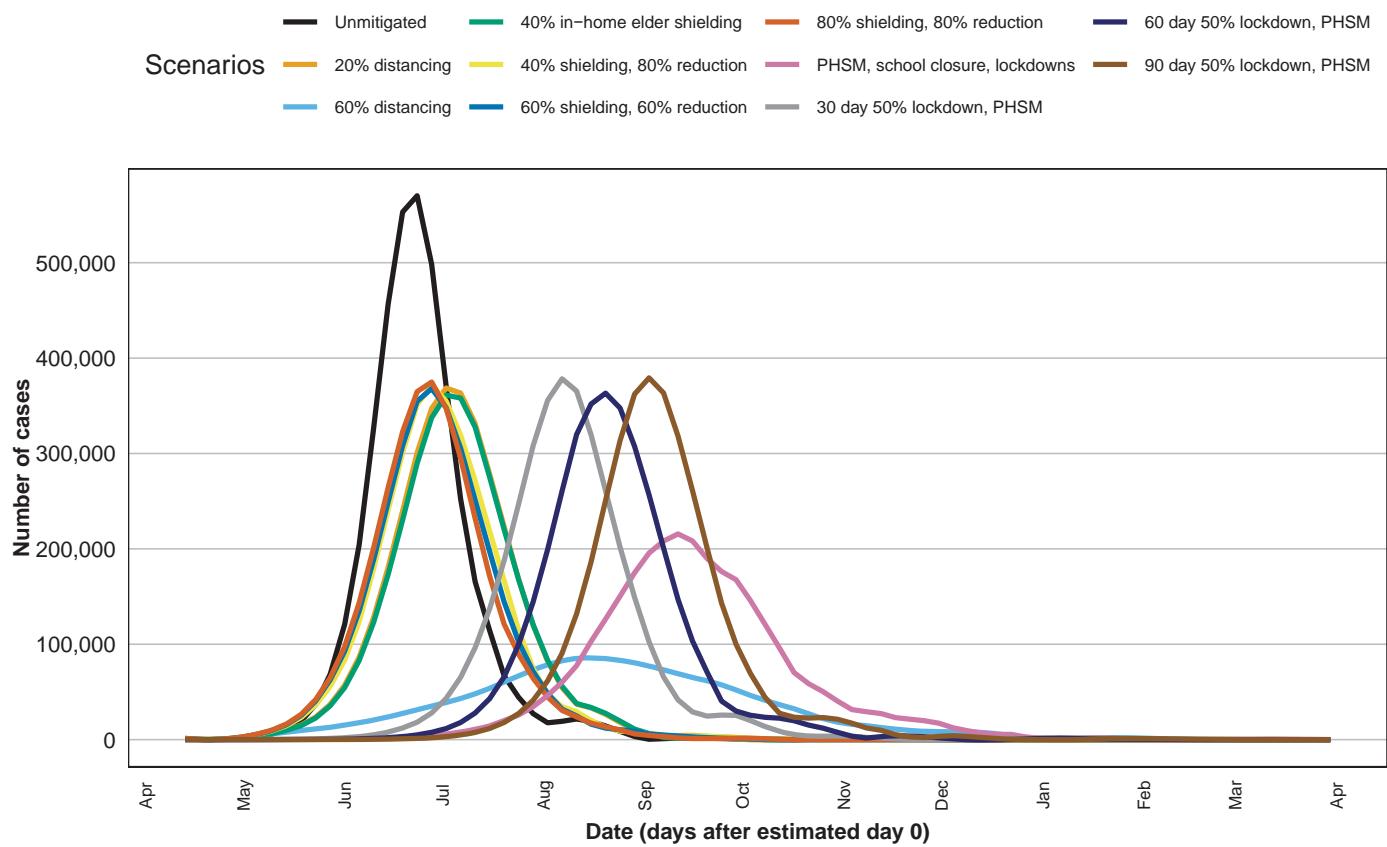
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

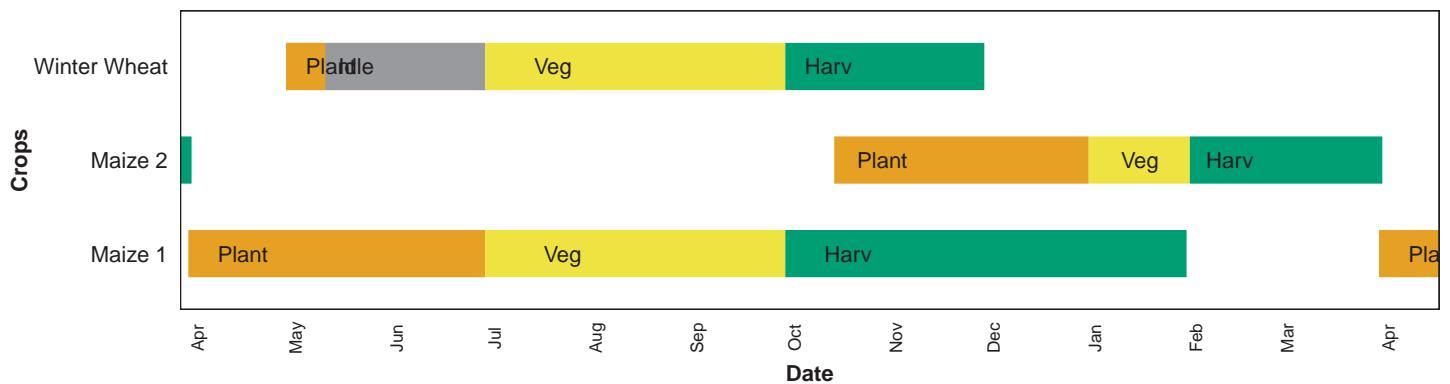


Kenya

Kenya cases over time



Kenya Rift Valley



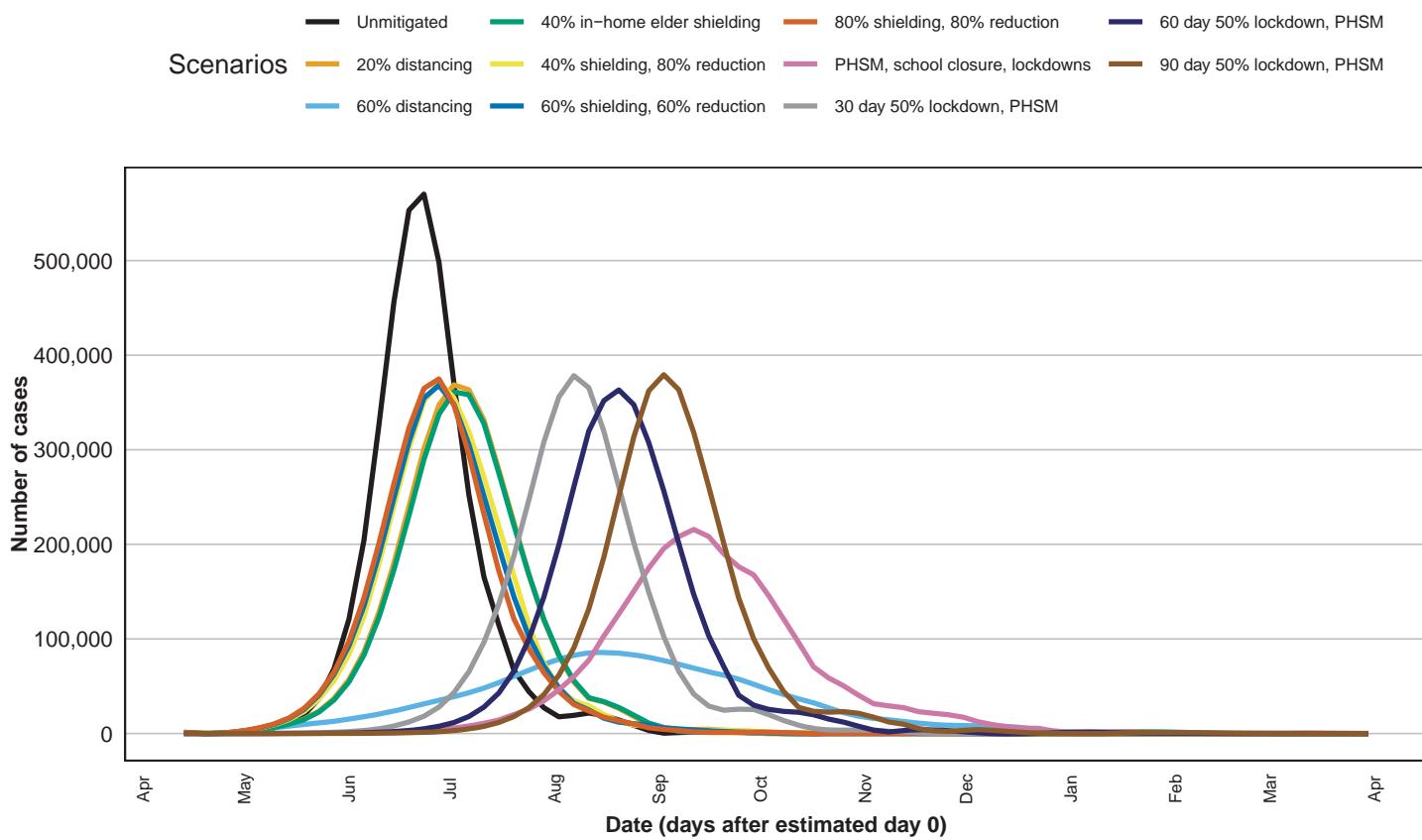
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

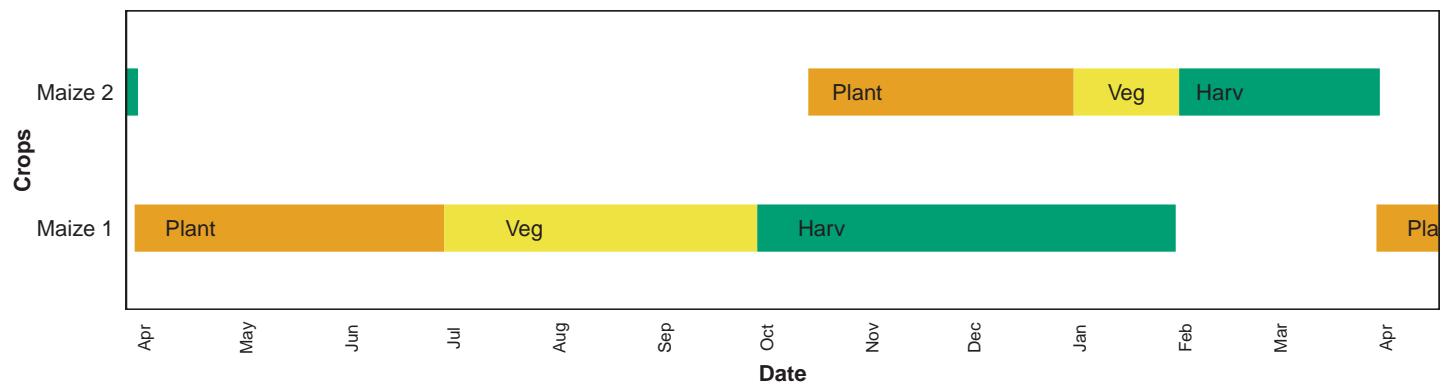


Kenya

Kenya cases over time



Kenya West



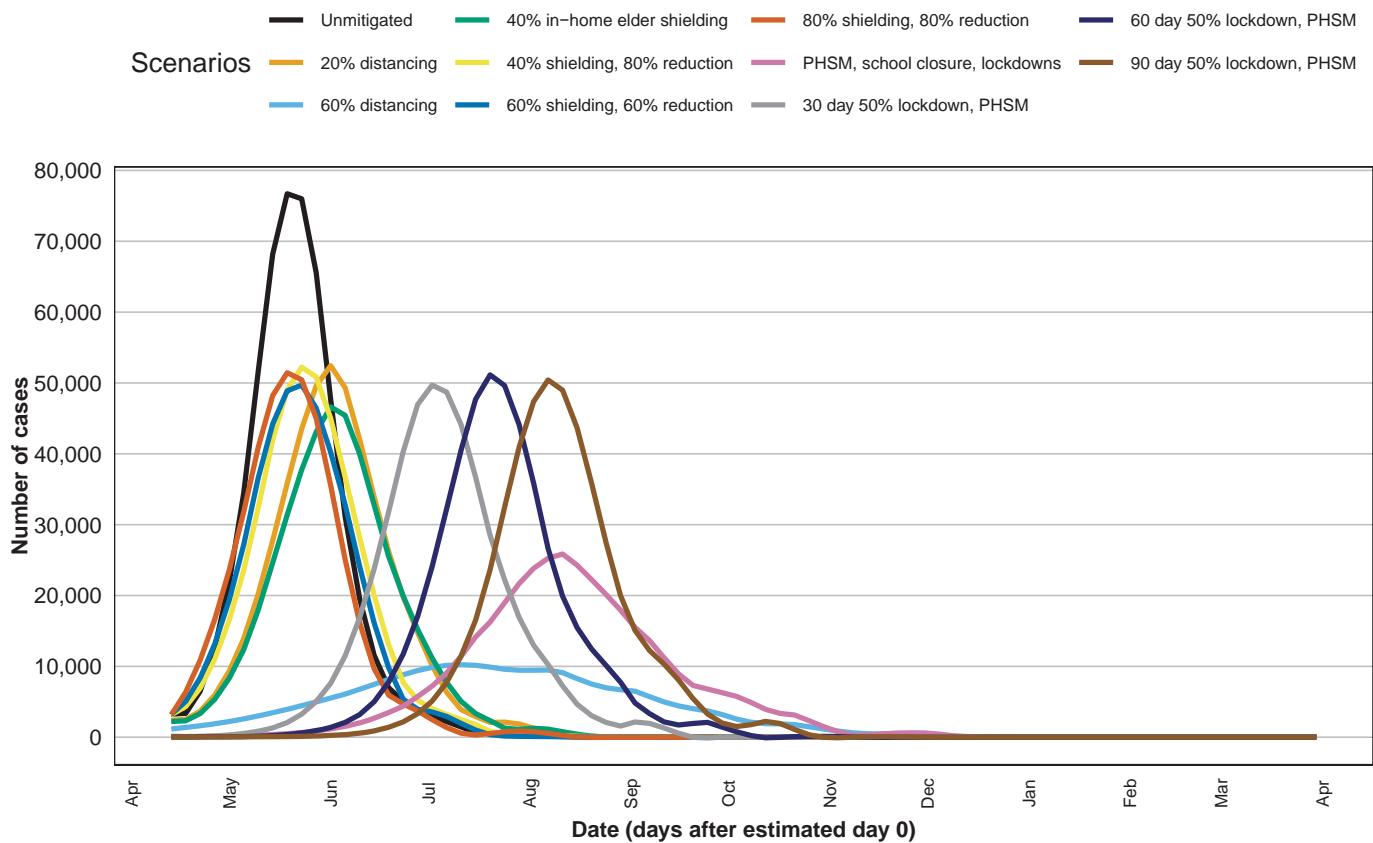
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

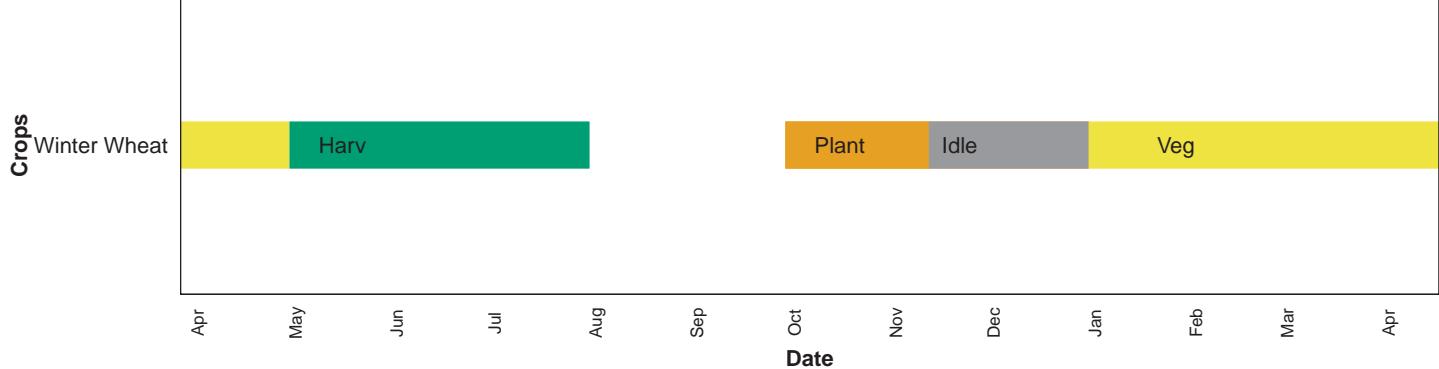


Lebanon

Lebanon cases over time



Lebanon



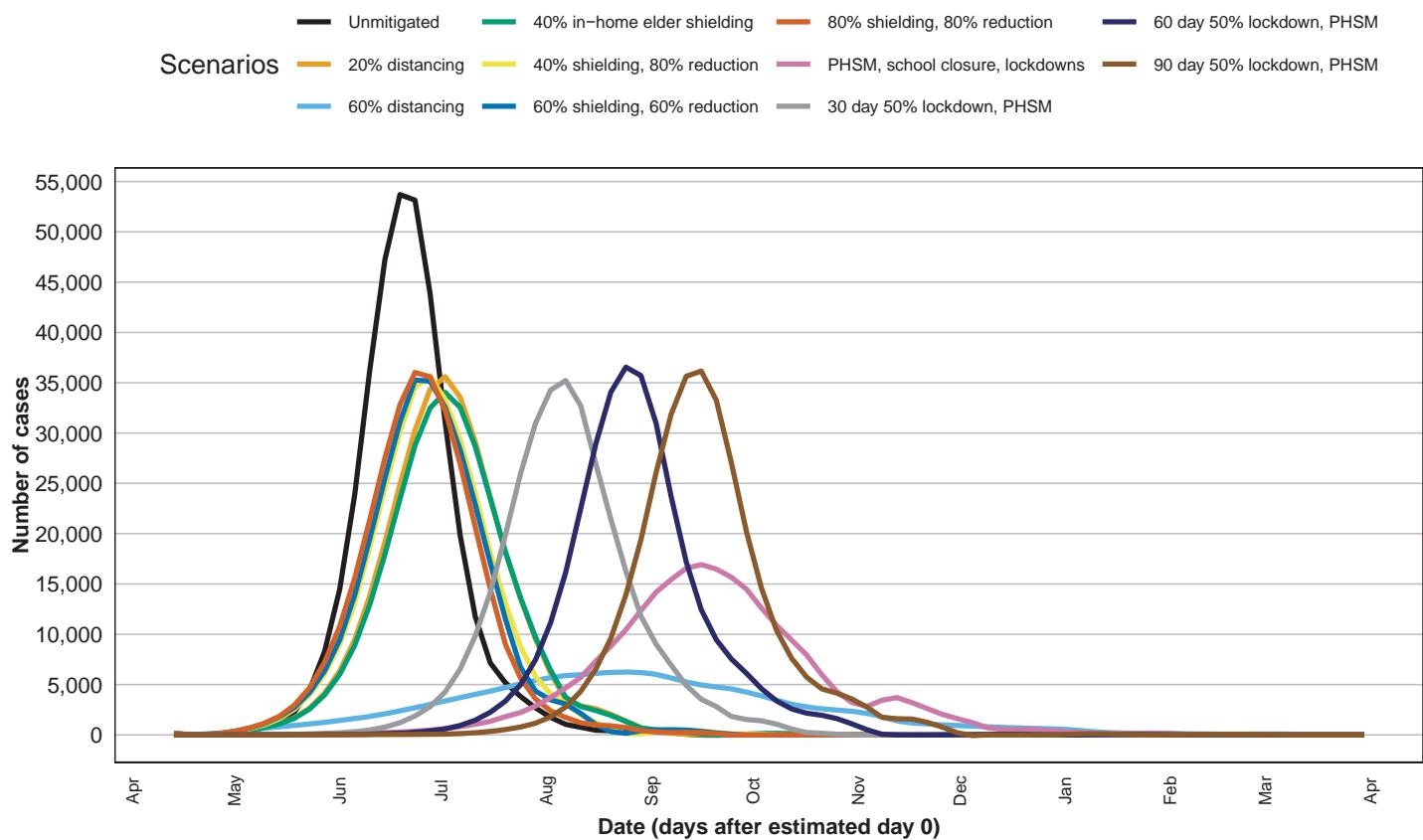
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

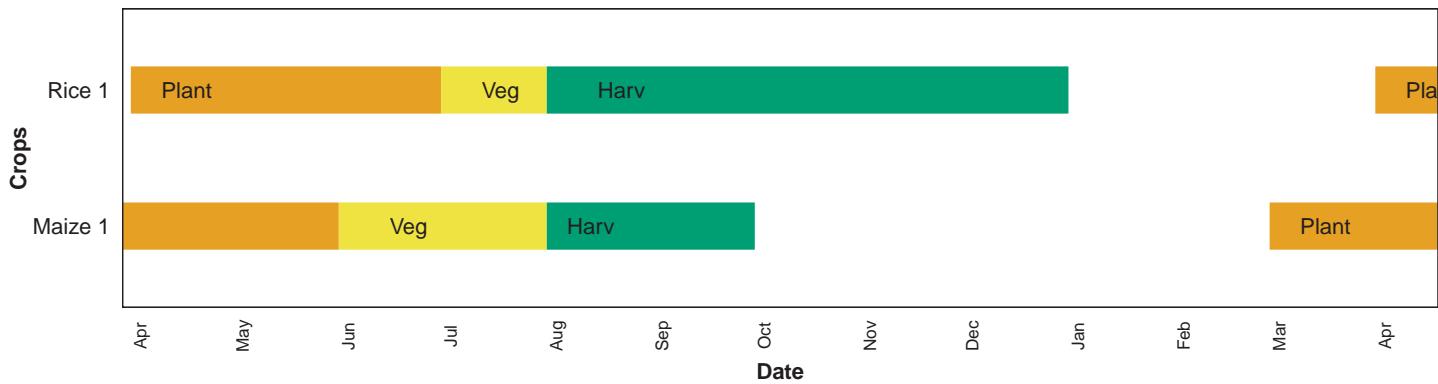


Liberia

Liberia cases over time



Liberia Central



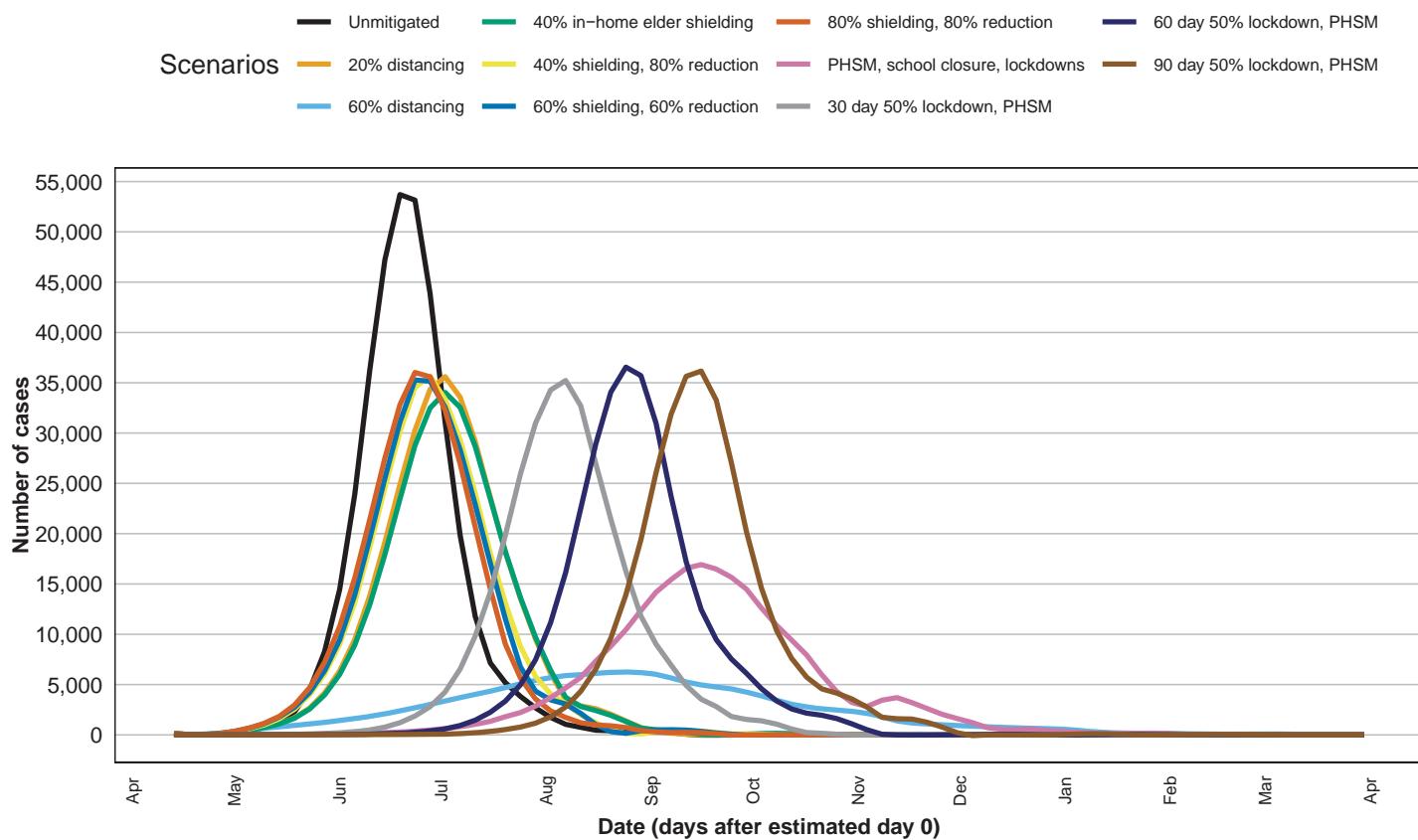
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

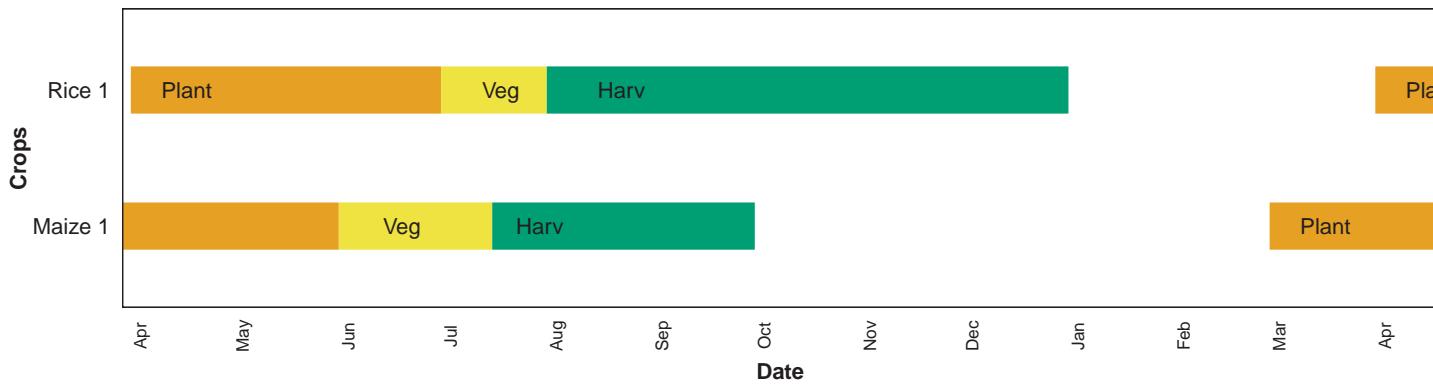


Liberia

Liberia cases over time



Liberia East



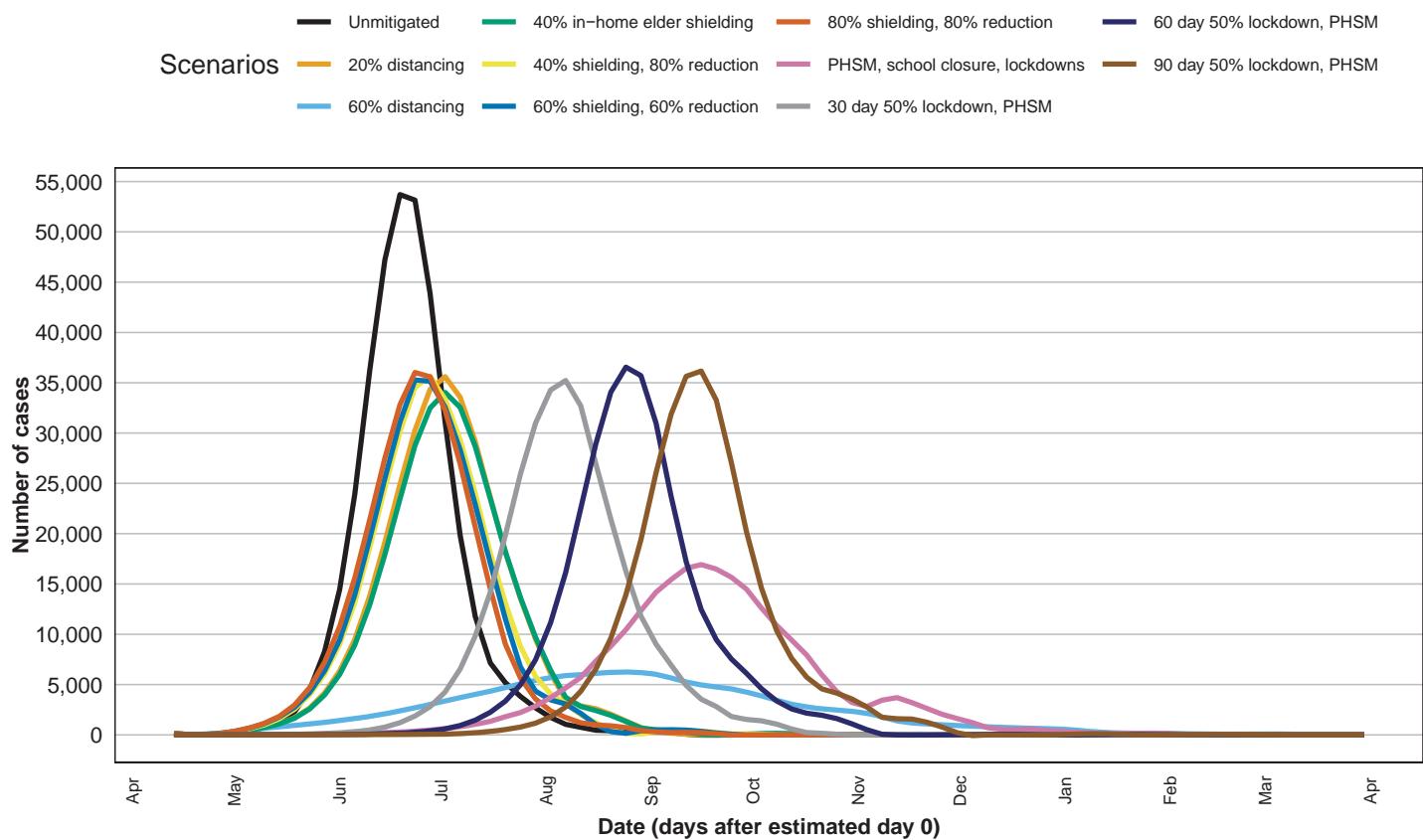
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

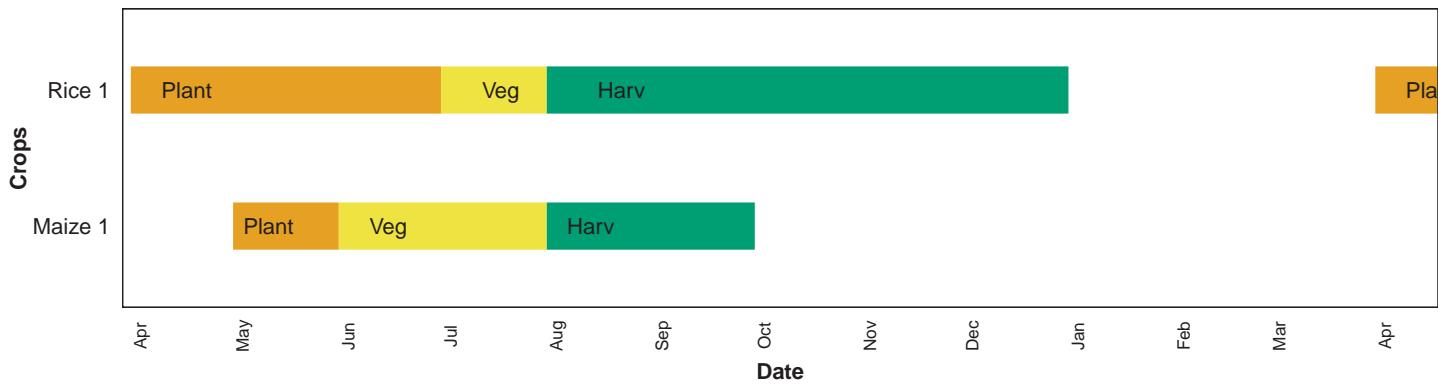


Liberia

Liberia cases over time



Liberia West



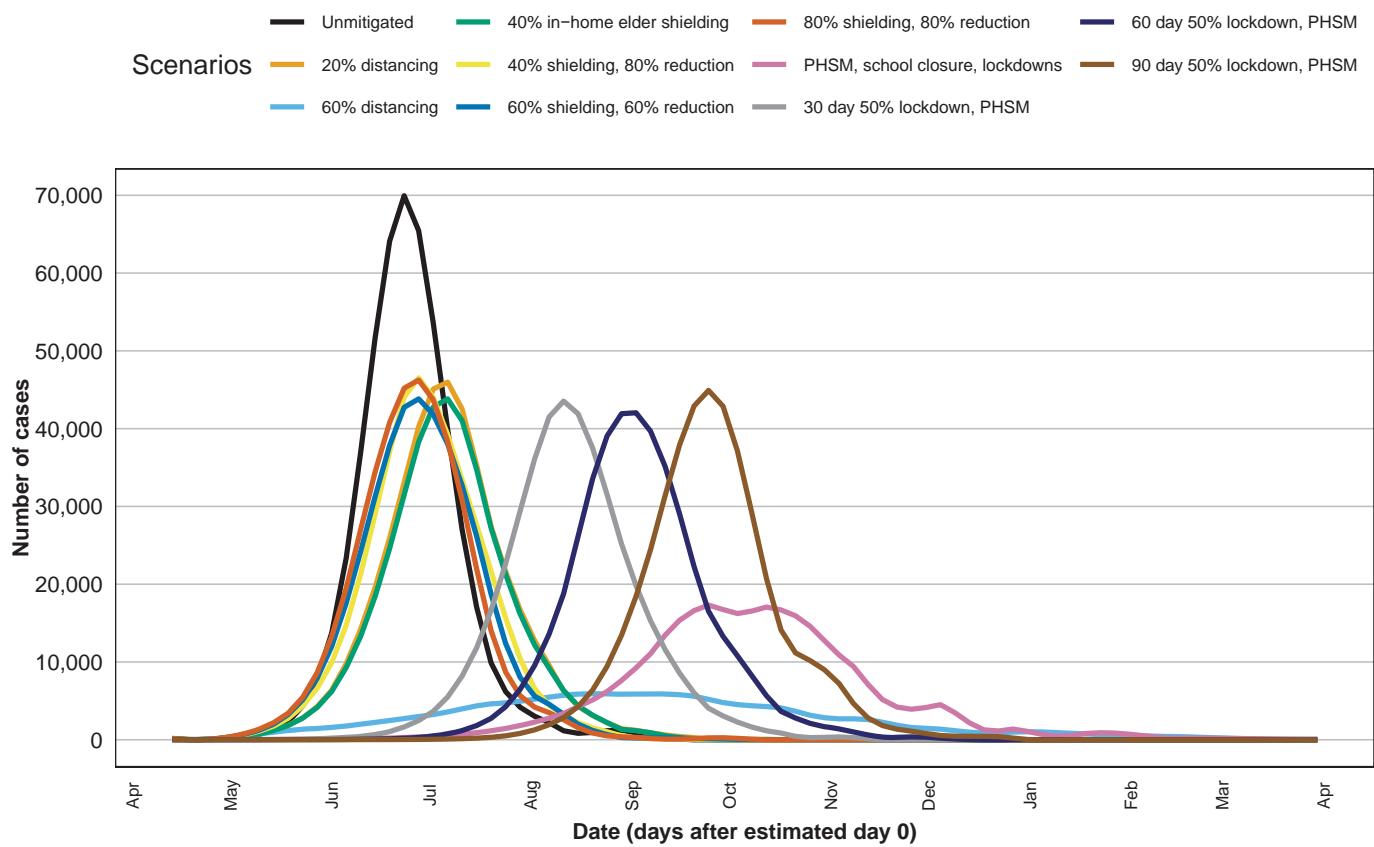
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

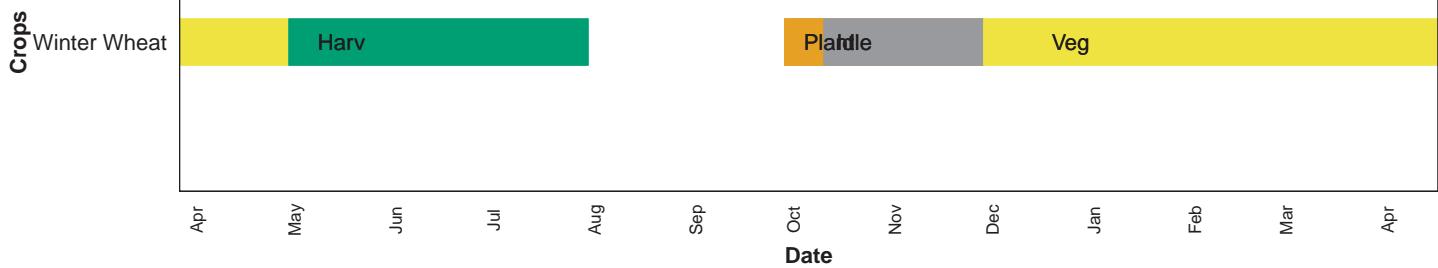


Libya

Libya cases over time



Libya



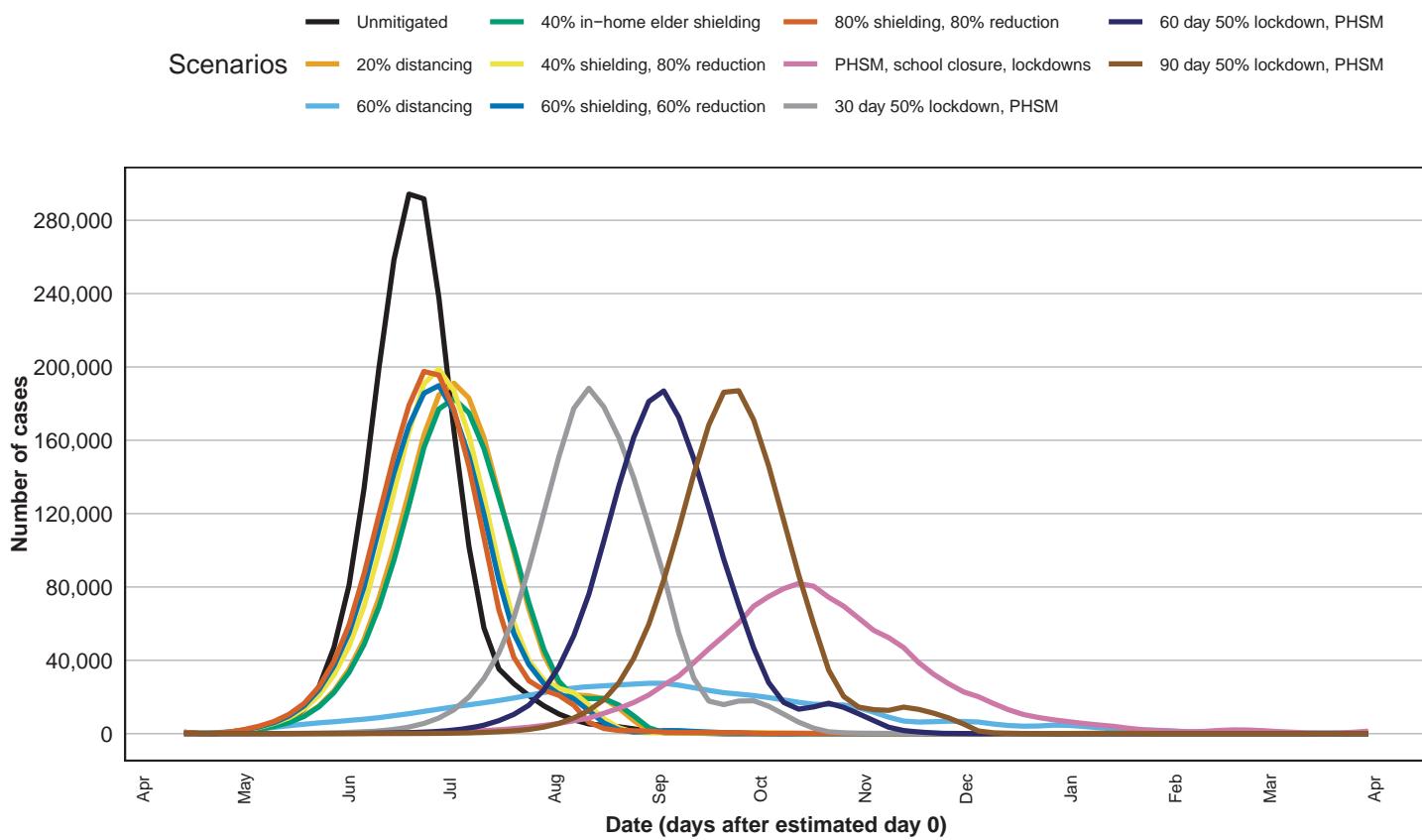
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

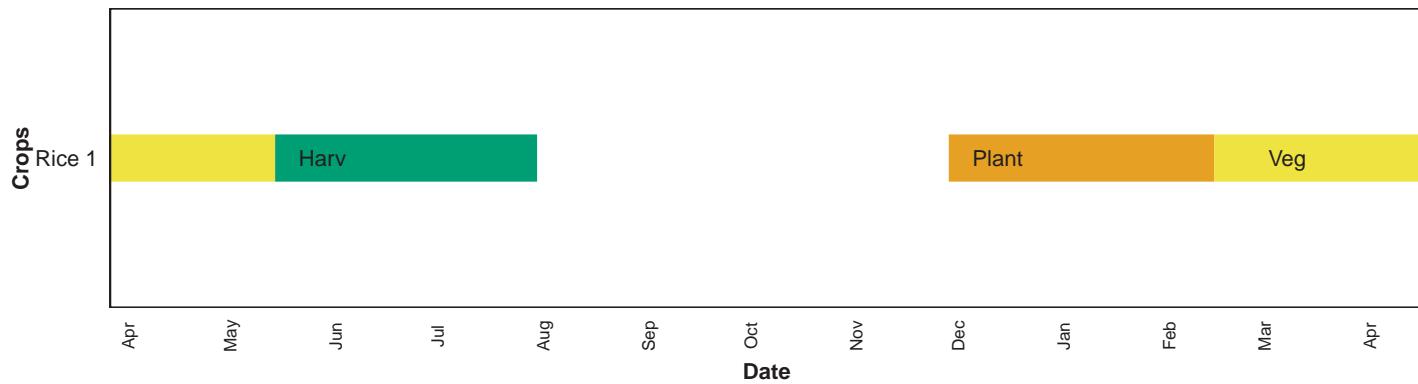


Madagascar

Madagascar cases over time

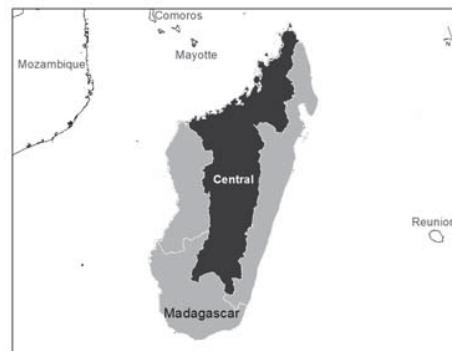


Madagascar Central



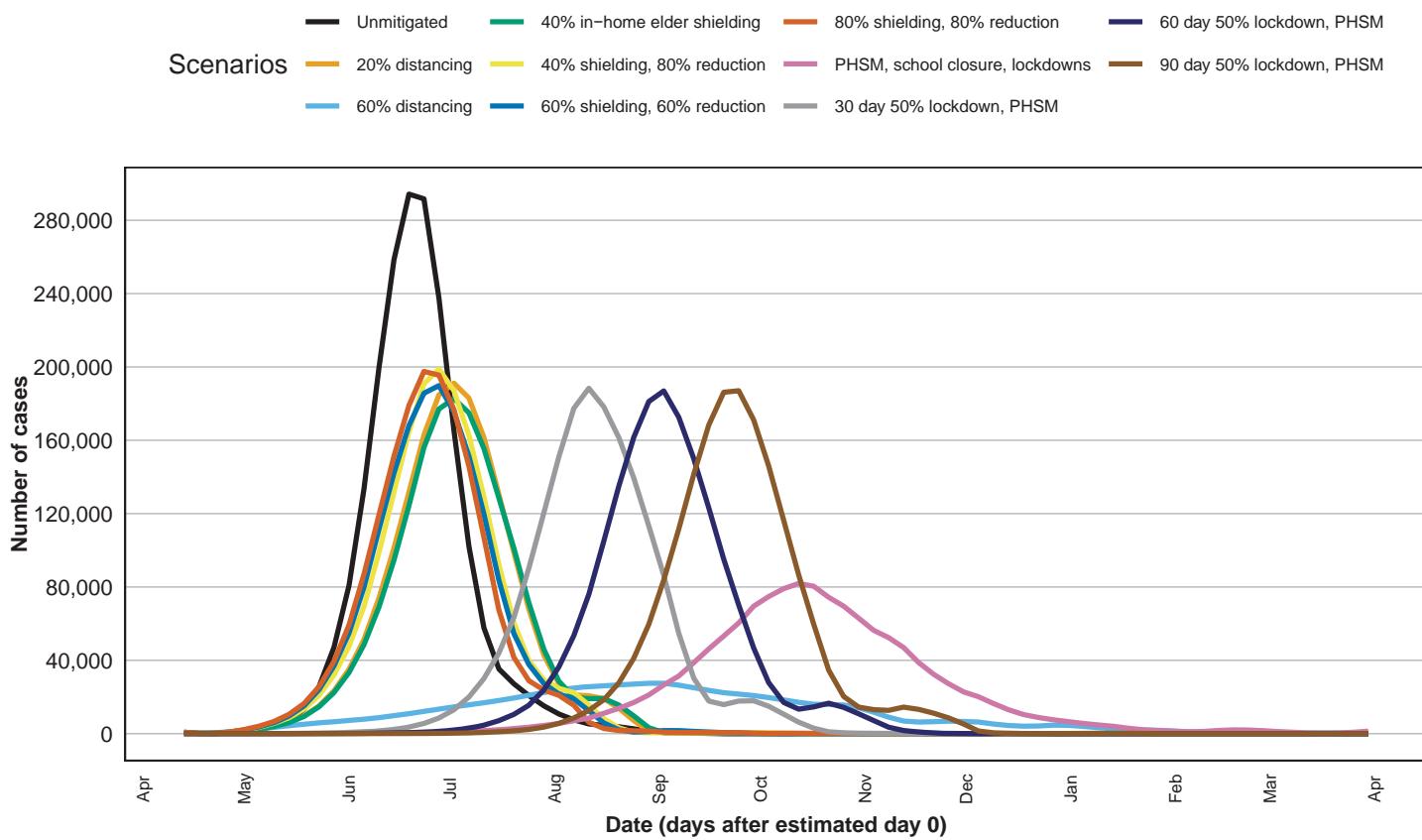
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

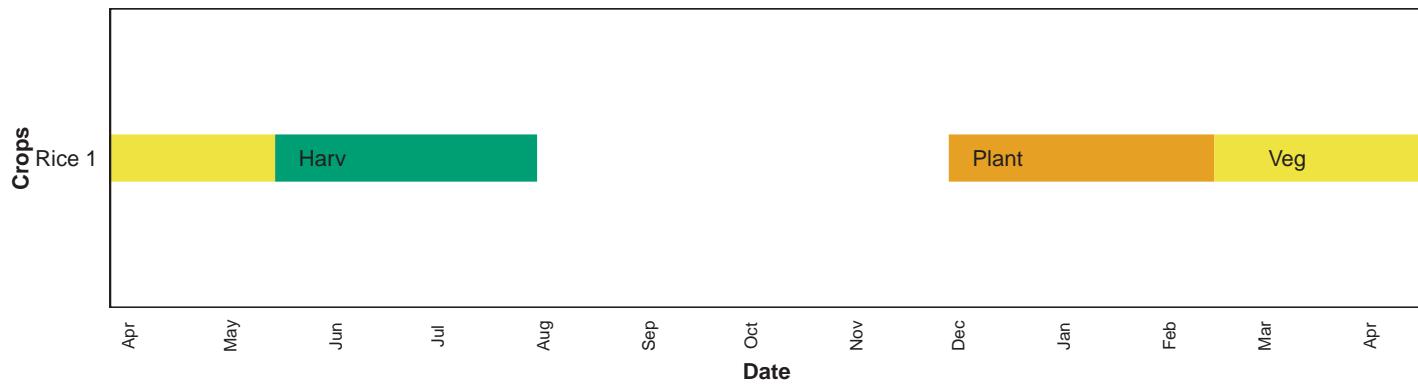


Madagascar

Madagascar cases over time

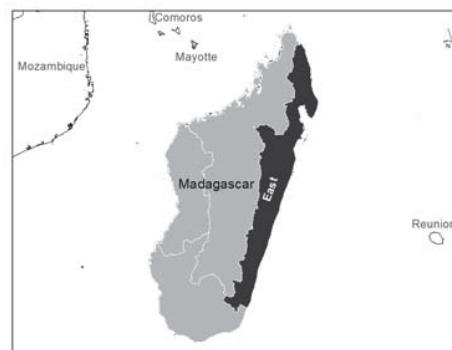


Madagascar East



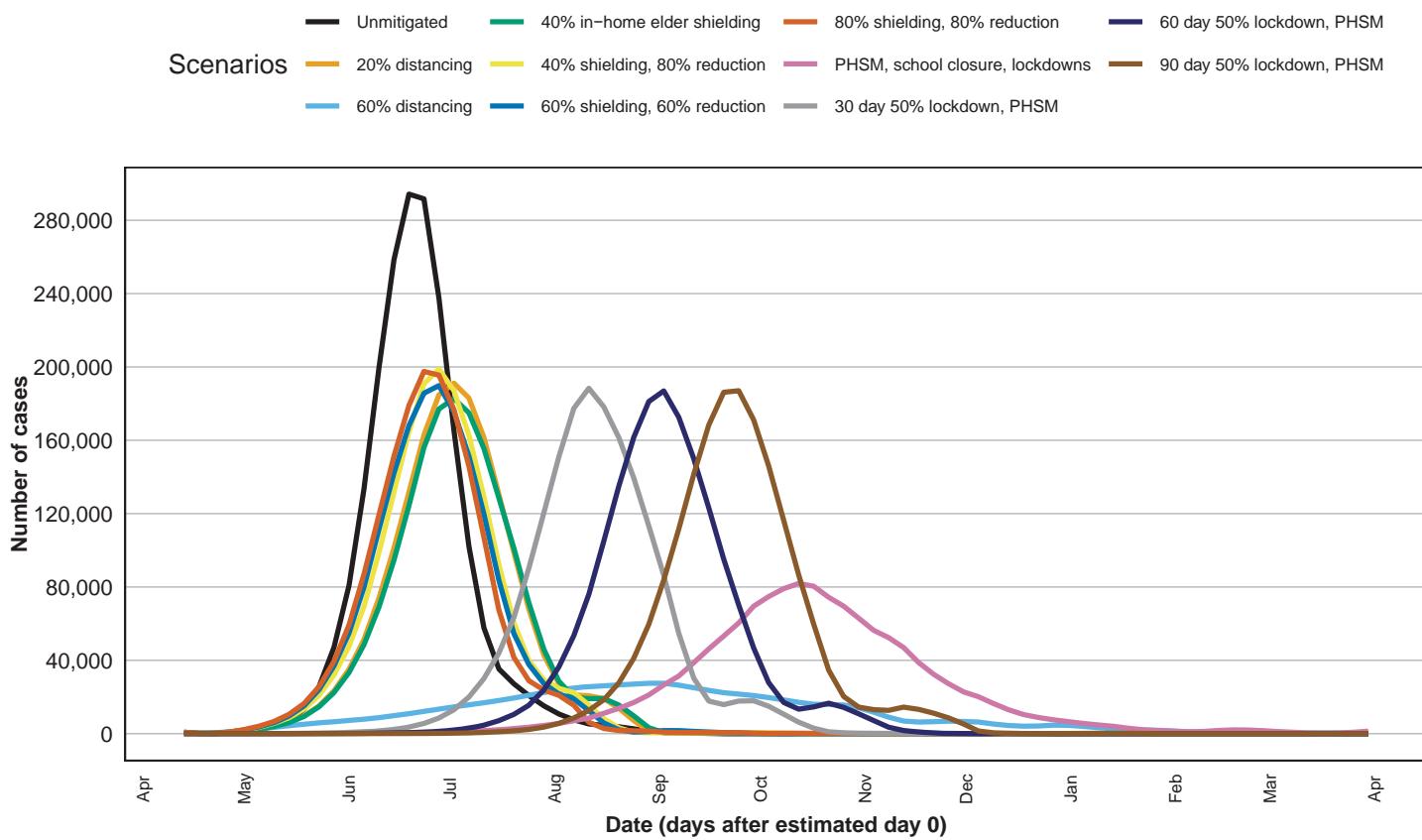
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

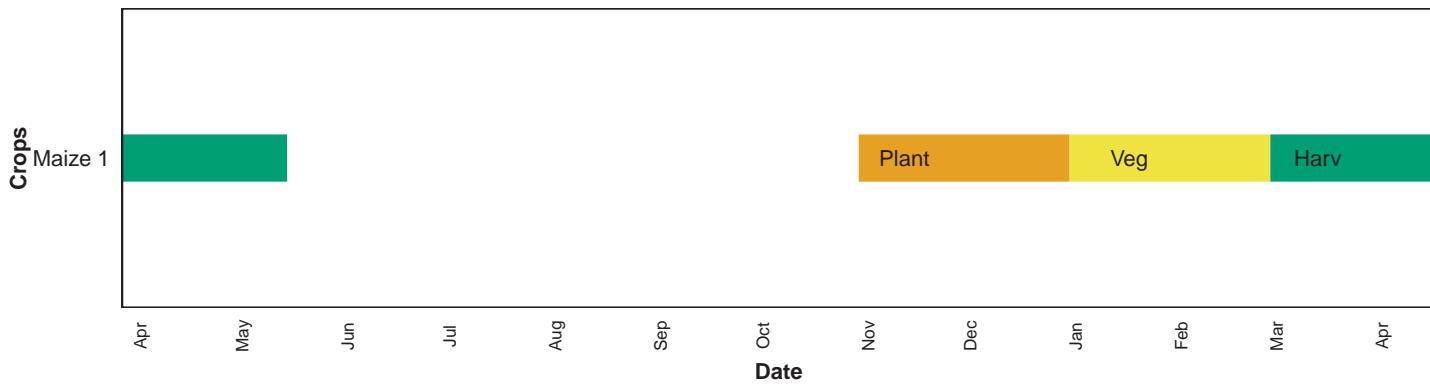


Madagascar

Madagascar cases over time



Madagascar South



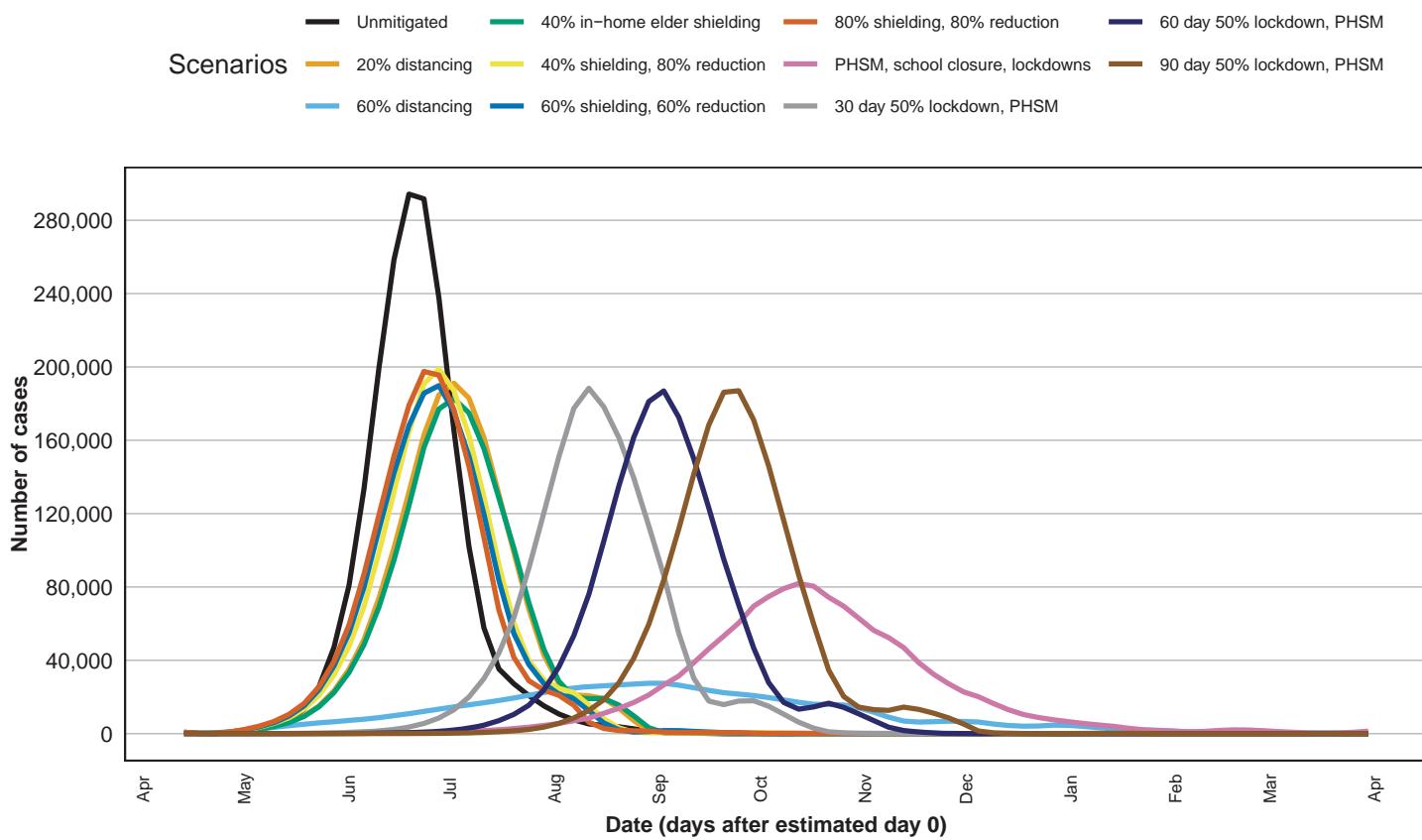
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

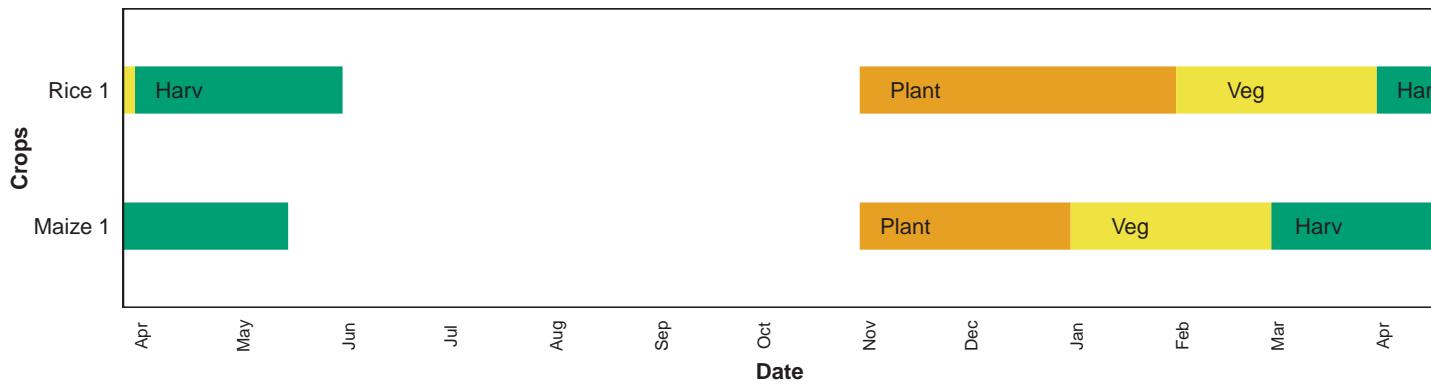


Madagascar

Madagascar cases over time



Madagascar West



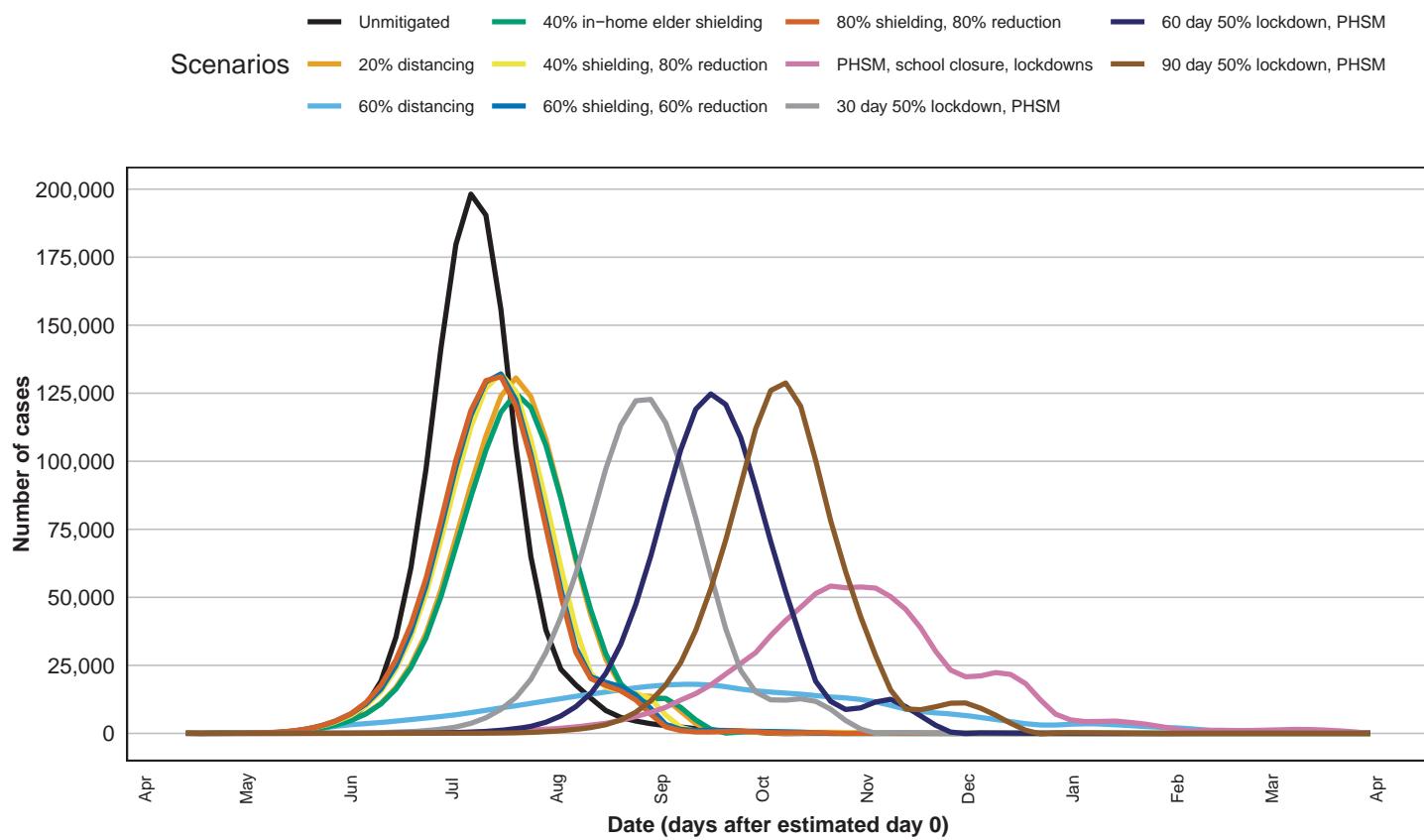
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

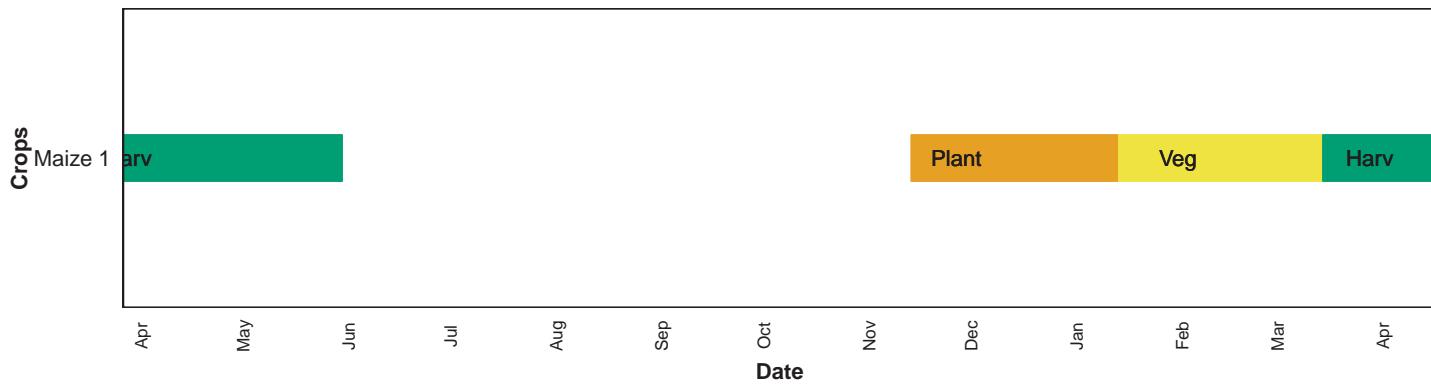


Malawi

Malawi cases over time



Malawi



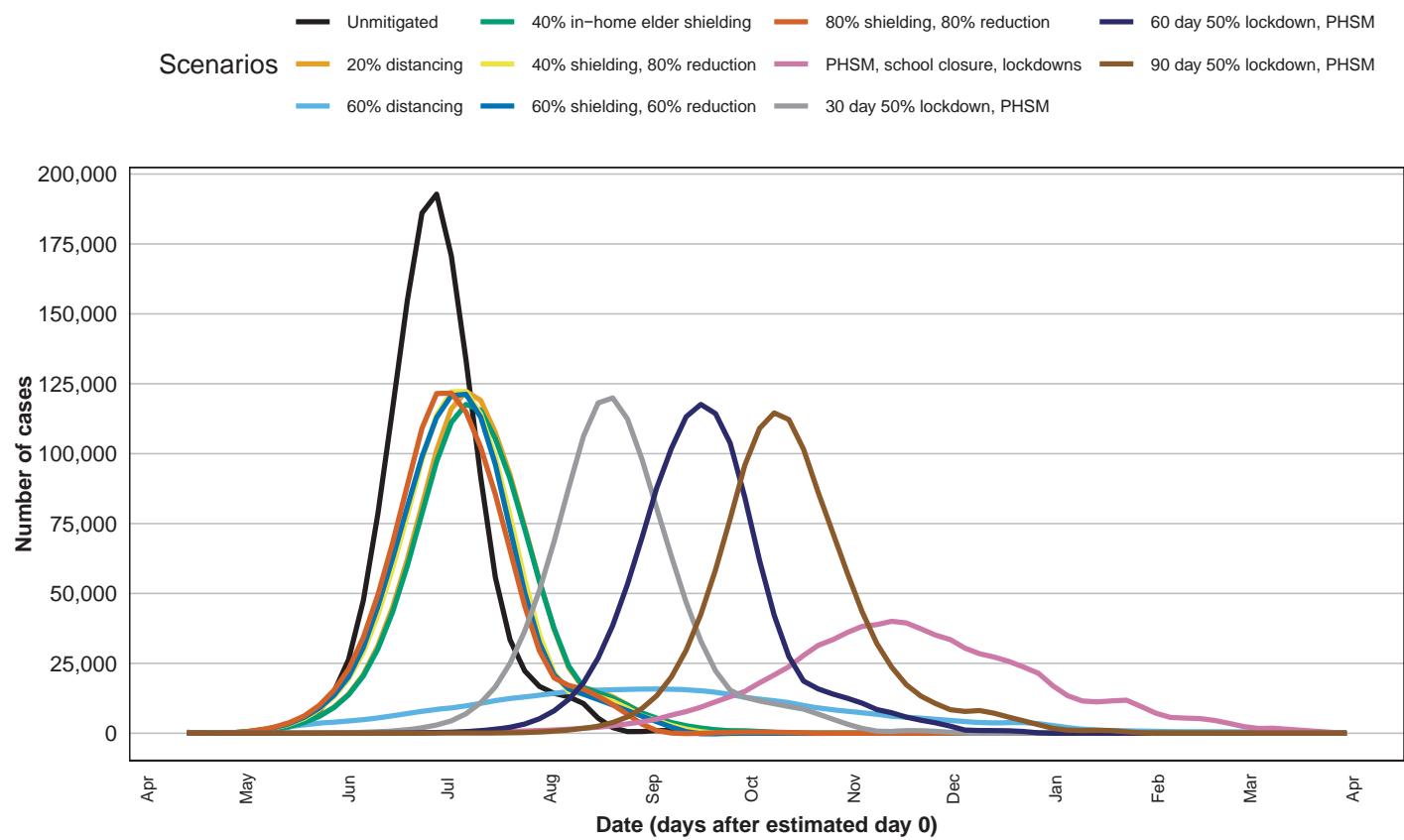
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

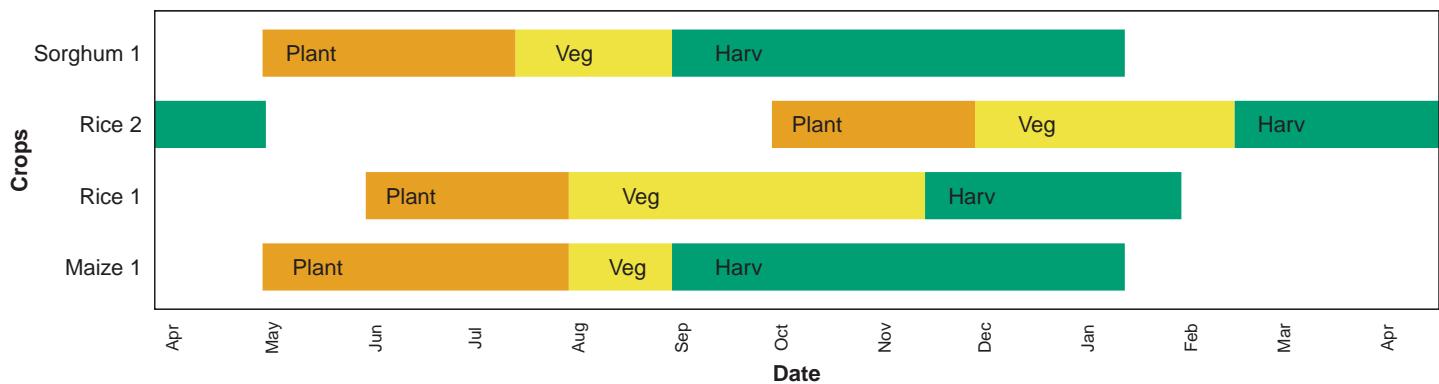


Mali

Mali cases over time



Mali Zone 1



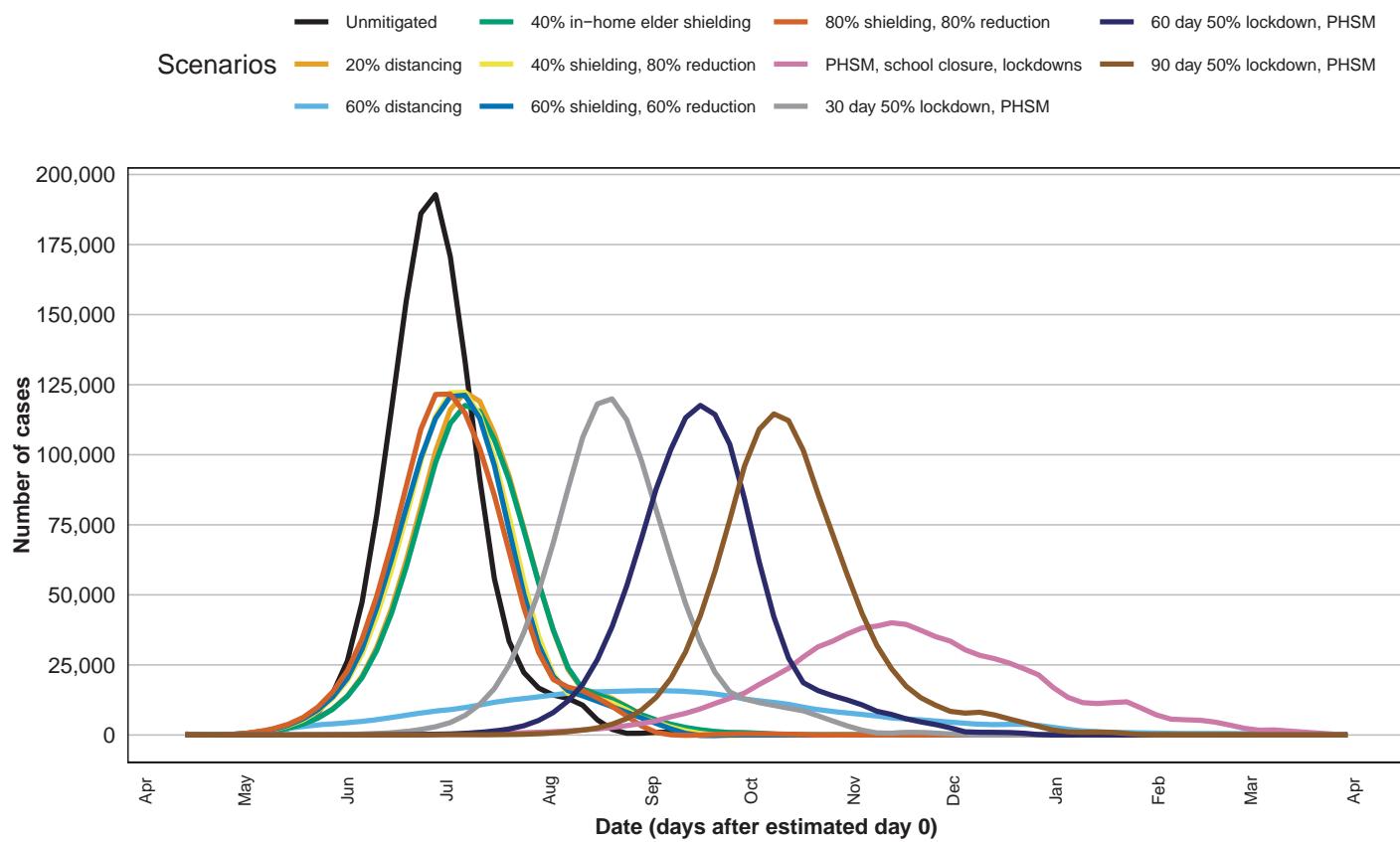
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

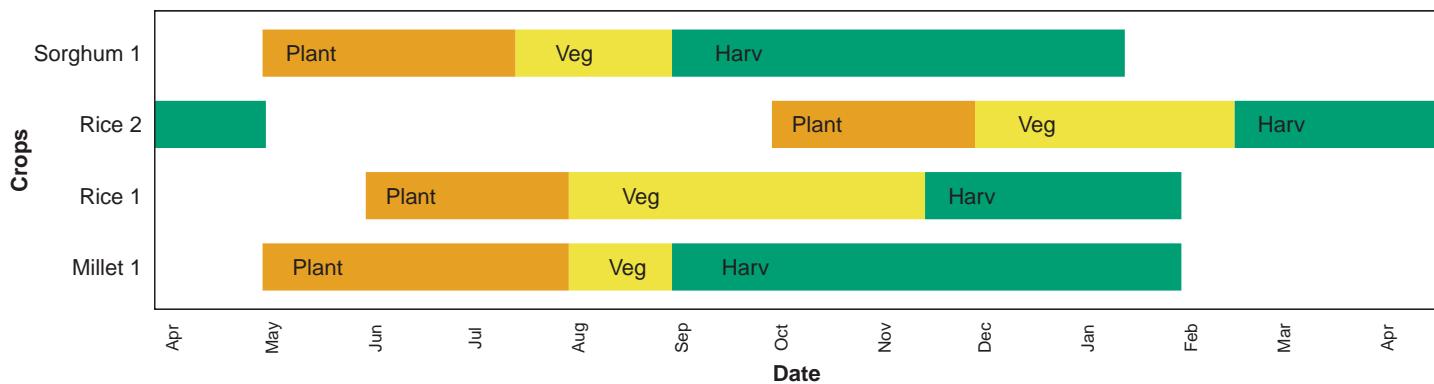


Mali

Mali cases over time



Mali Zone 2



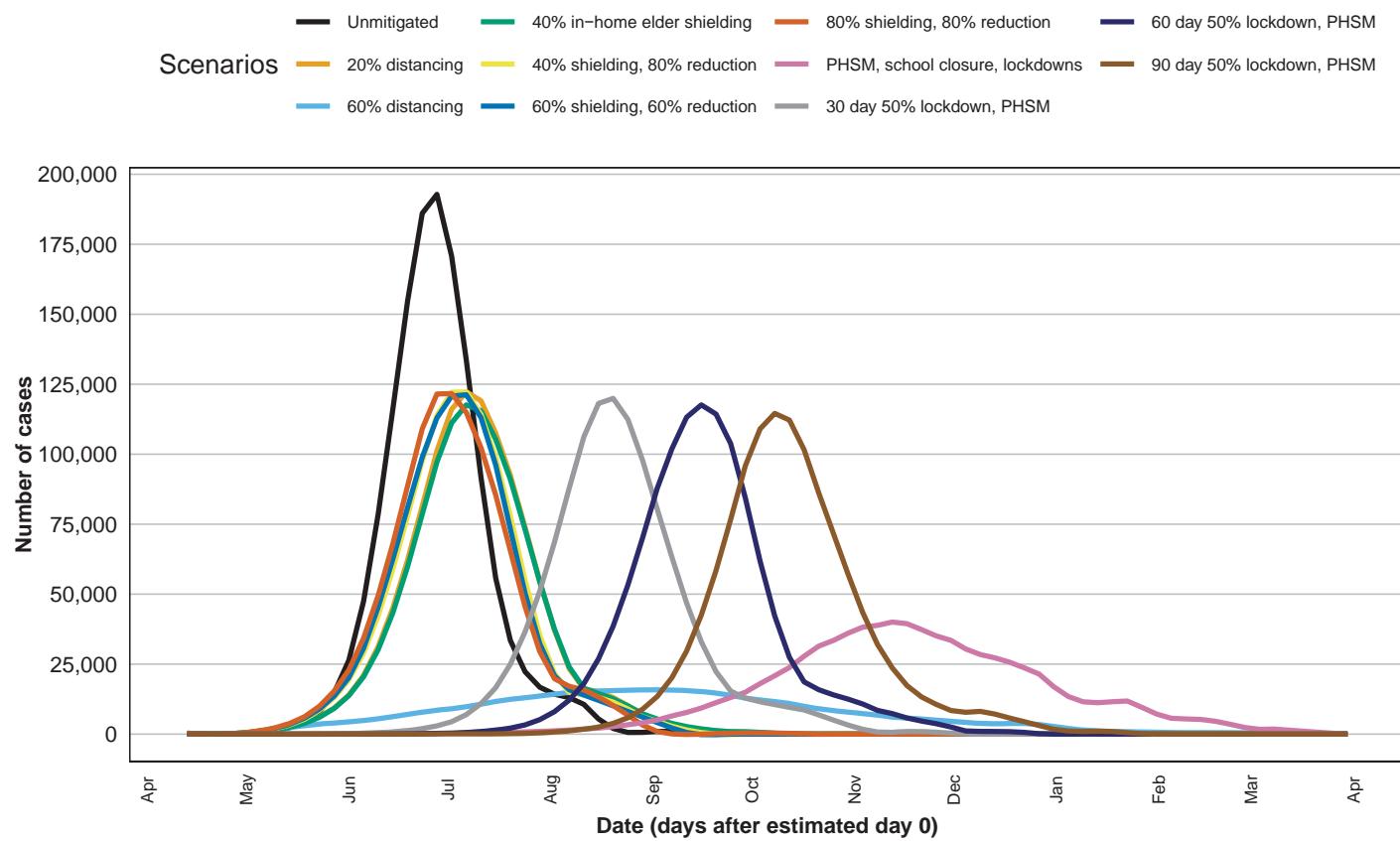
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

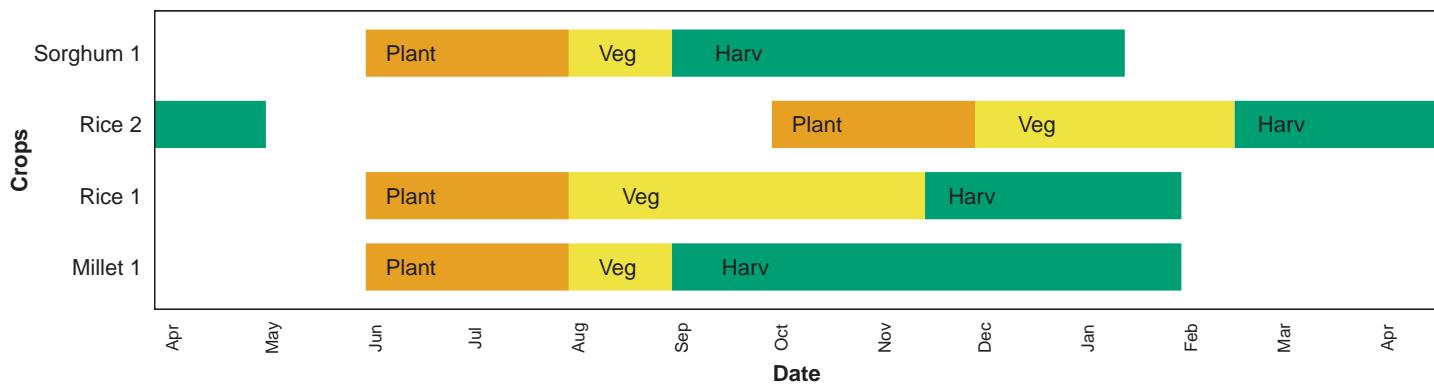


Mali

Mali cases over time



Mali Zone 3



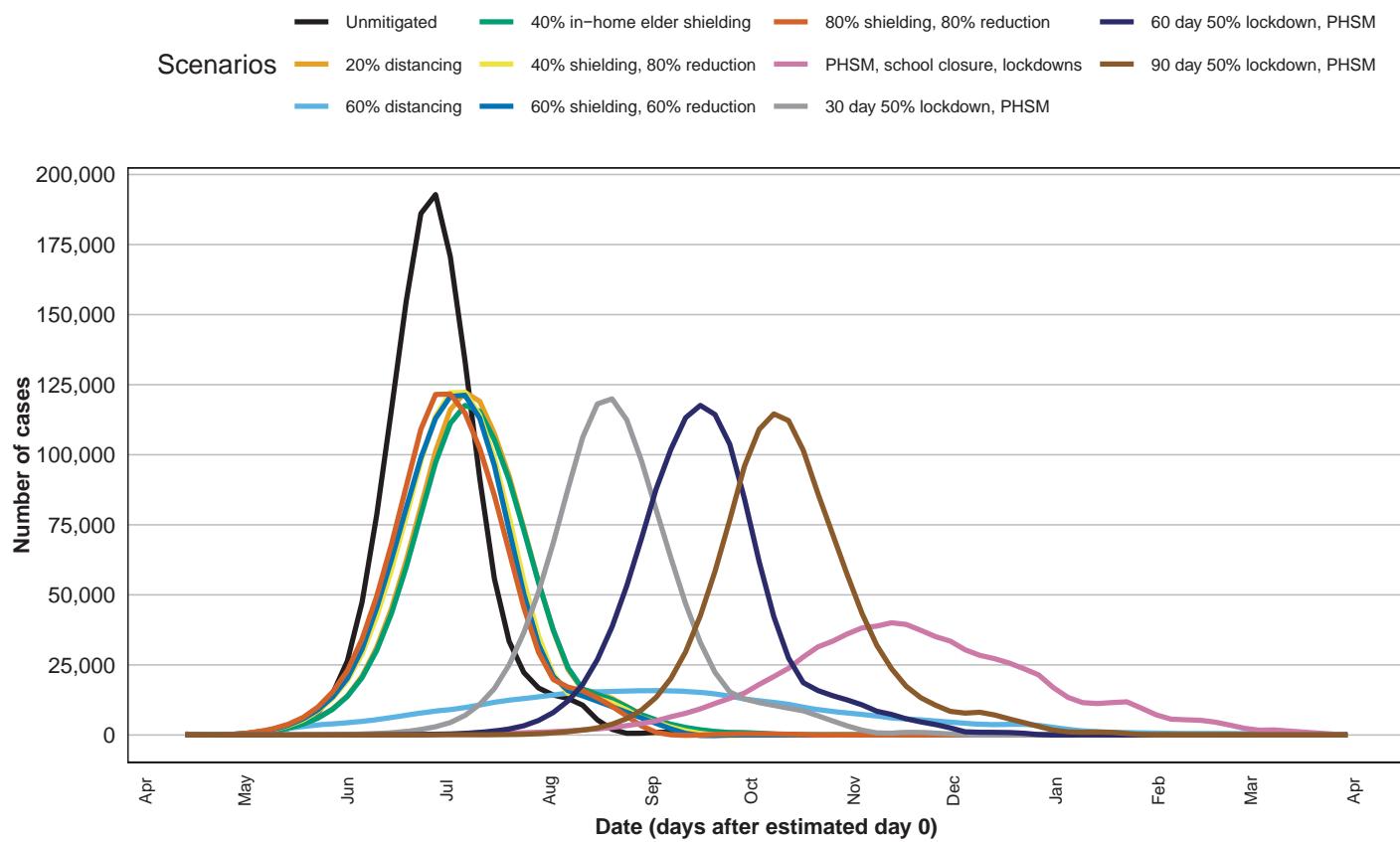
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

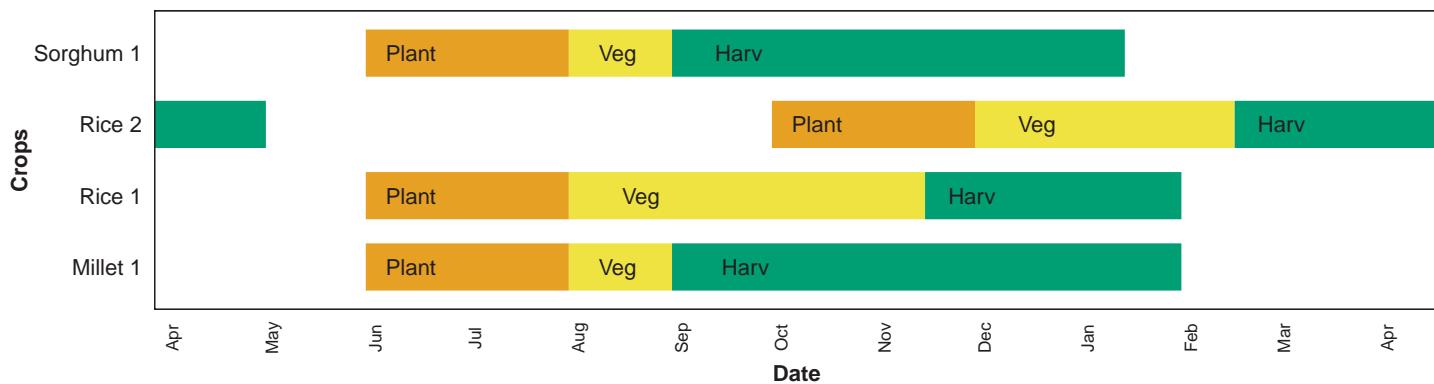


Mali

Mali cases over time



Mali Zone 4



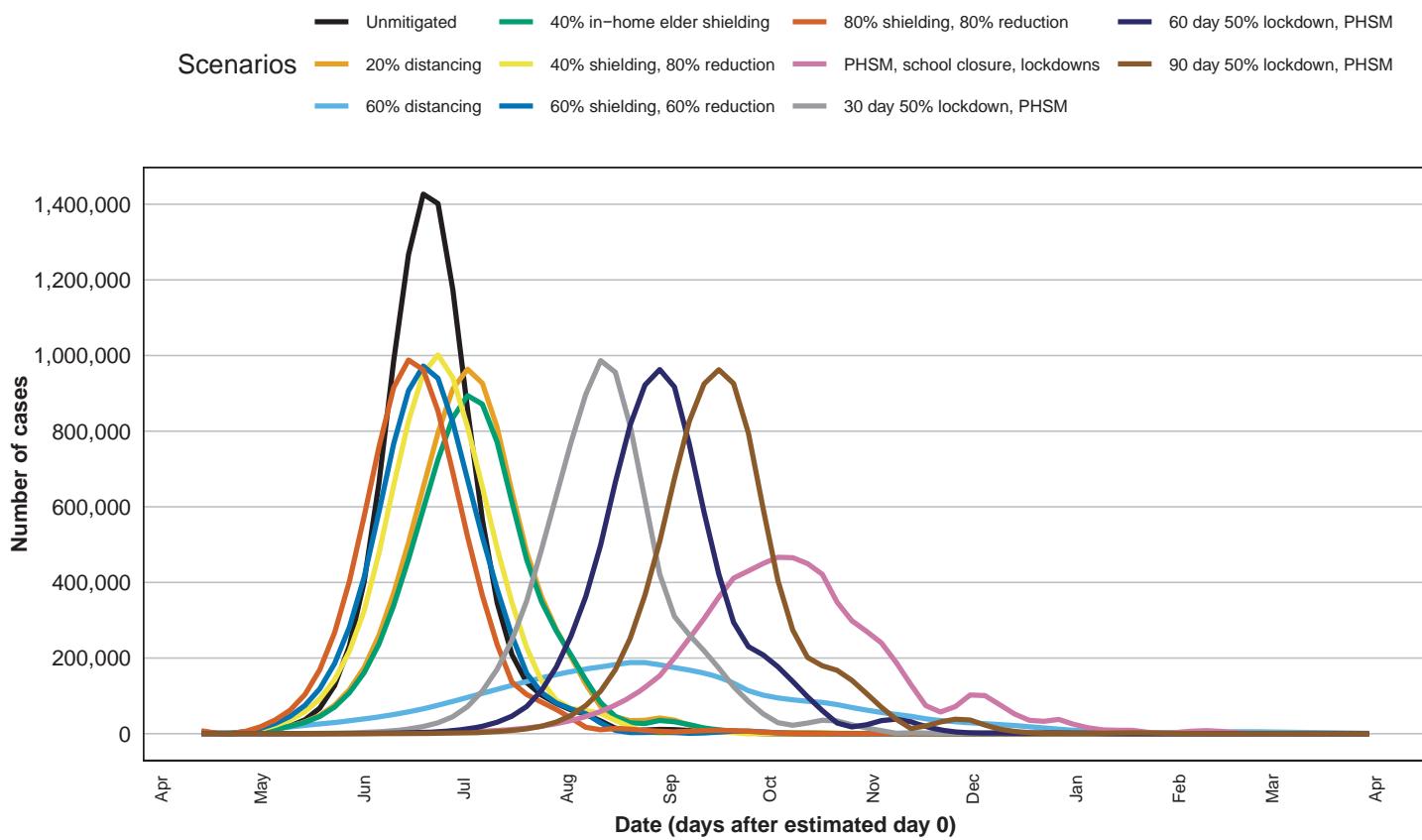
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

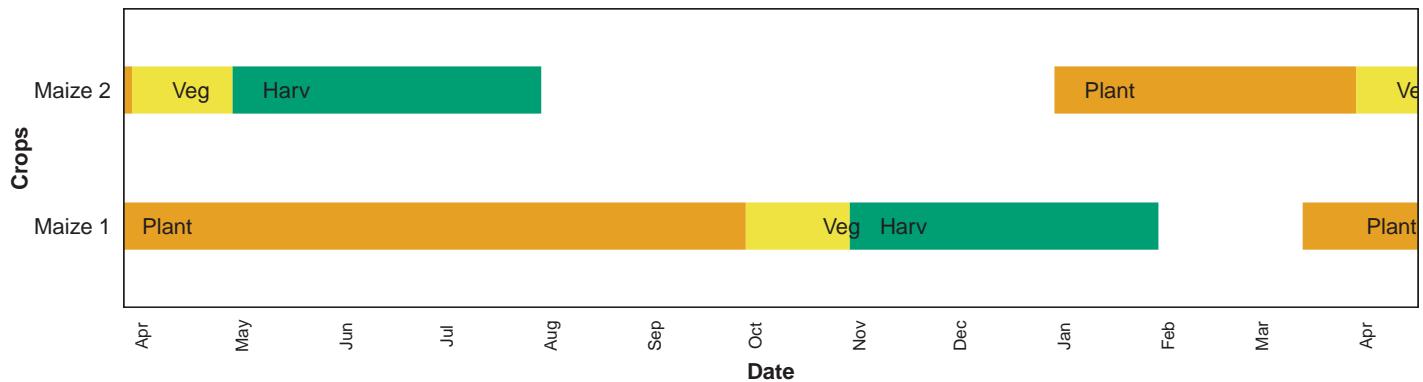


Mexico

Mexico cases over time



Mexico Altiplano



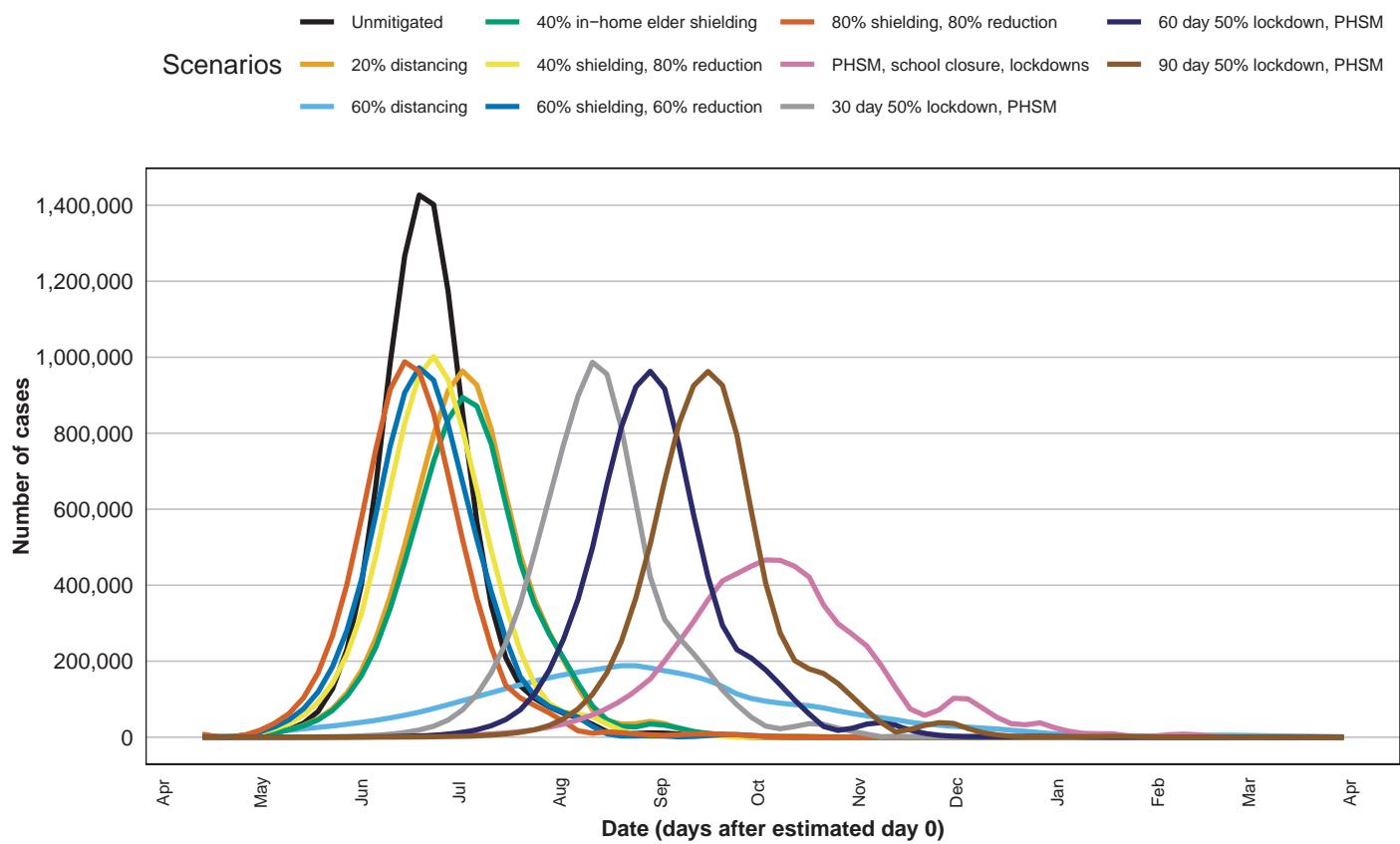
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

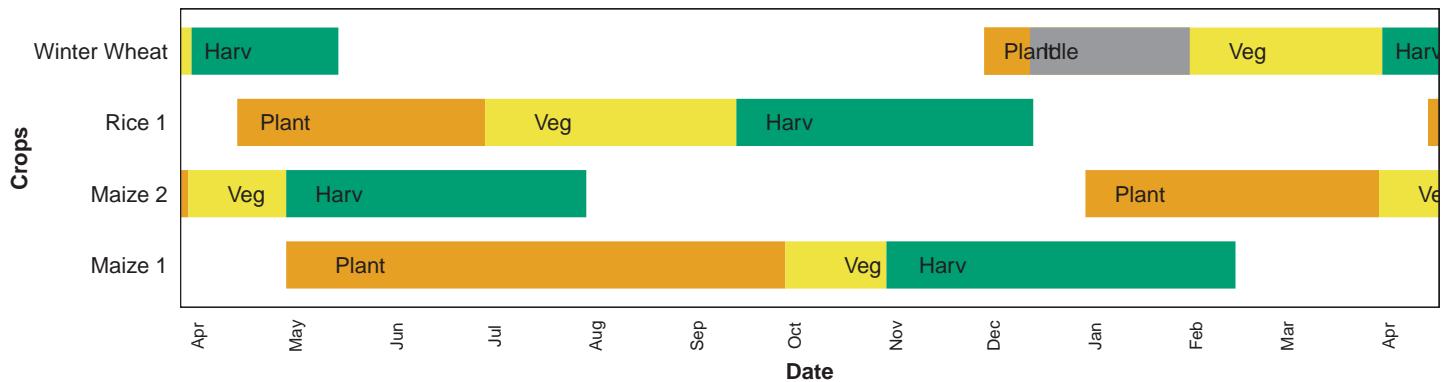


Mexico

Mexico cases over time



Mexico Bajío



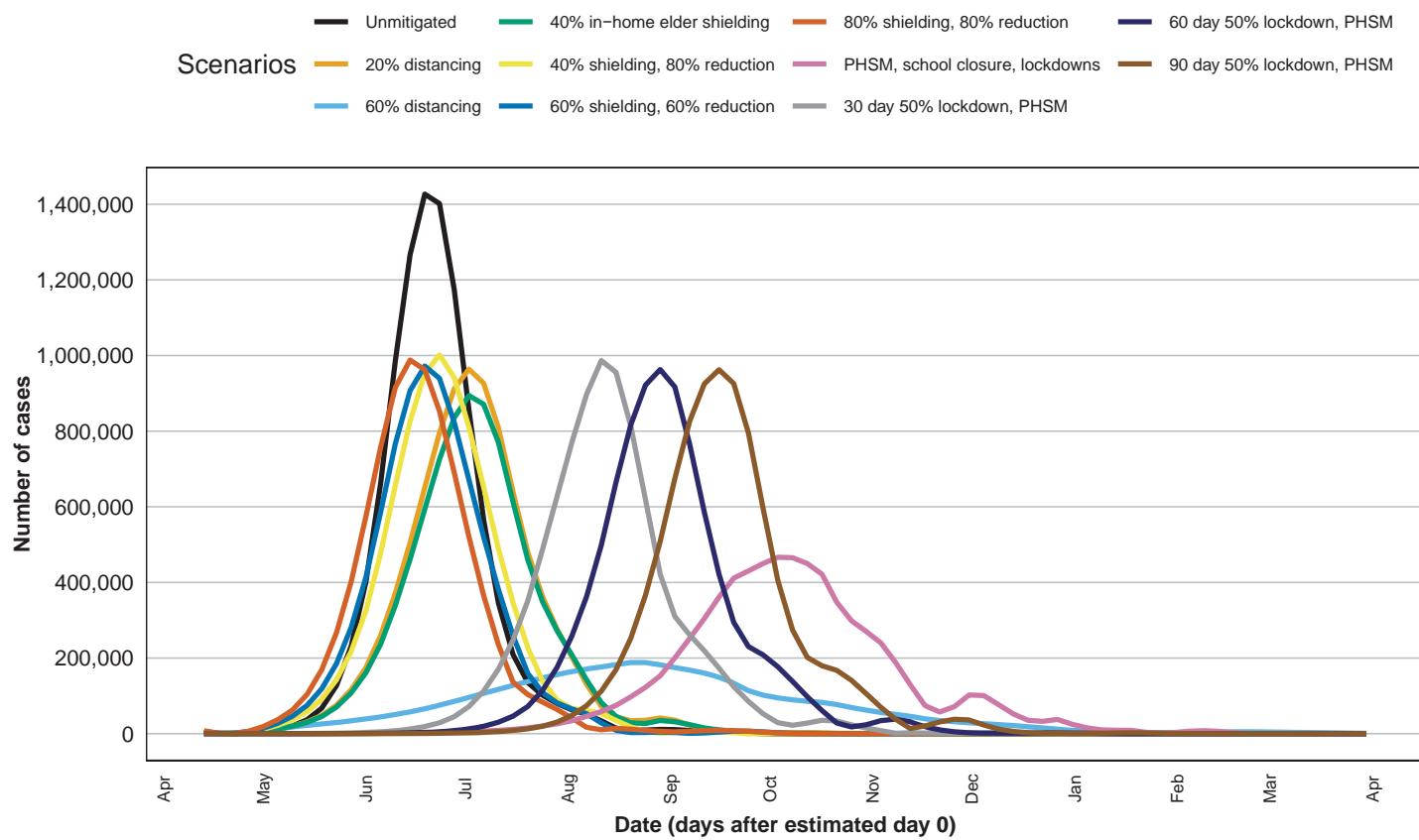
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

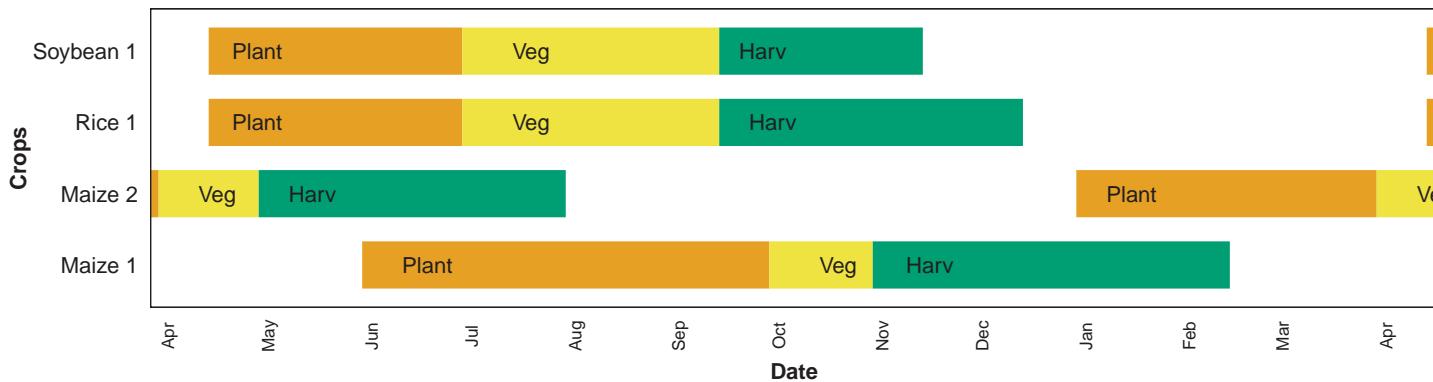


Mexico

Mexico cases over time



Mexico Golfo Peninsula



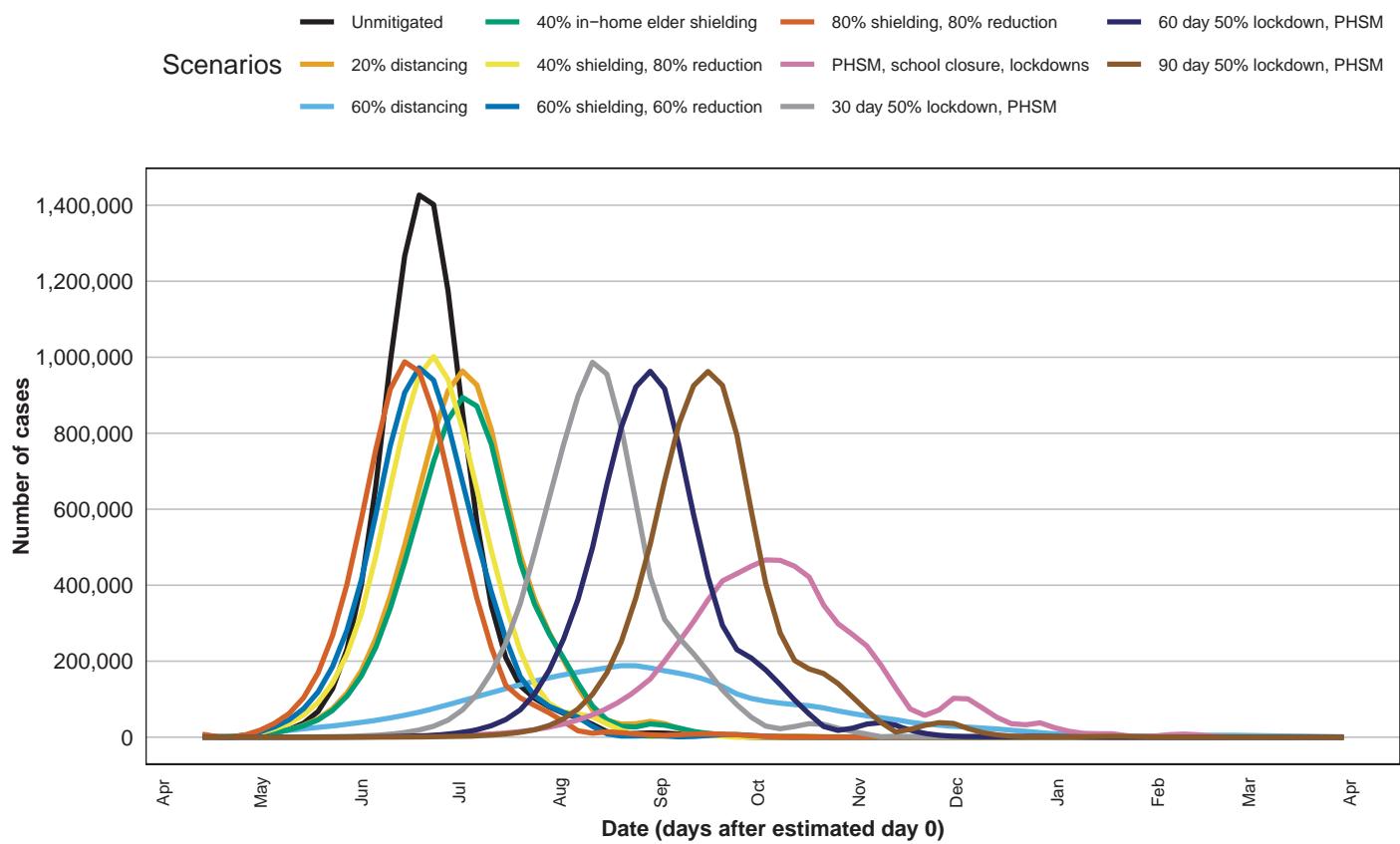
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

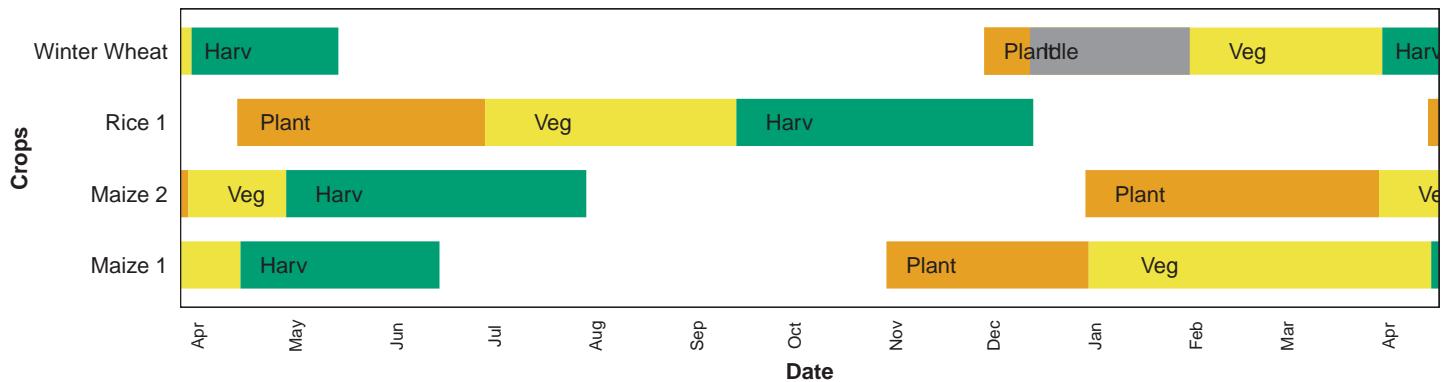


Mexico

Mexico cases over time



Mexico Noroeste



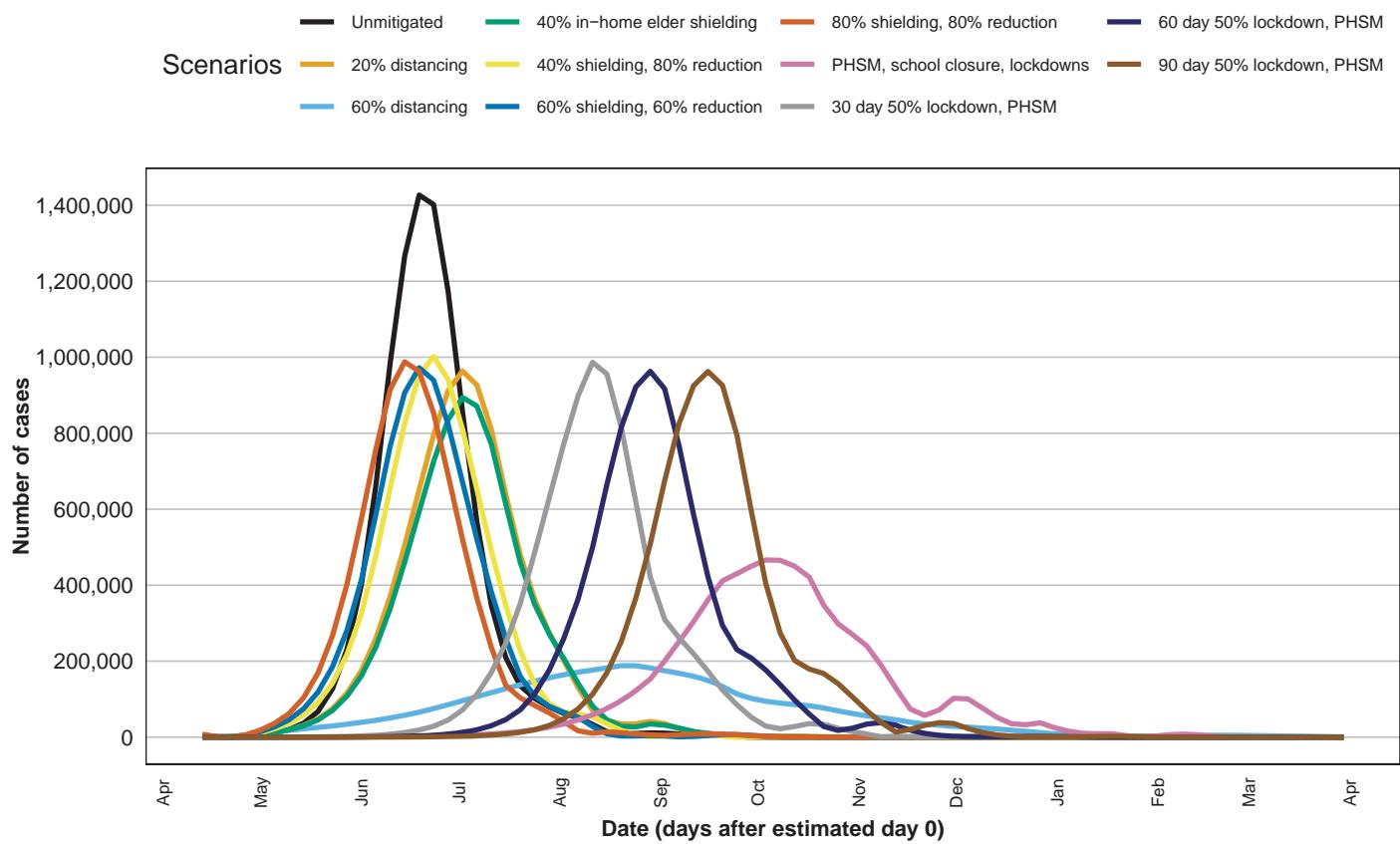
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

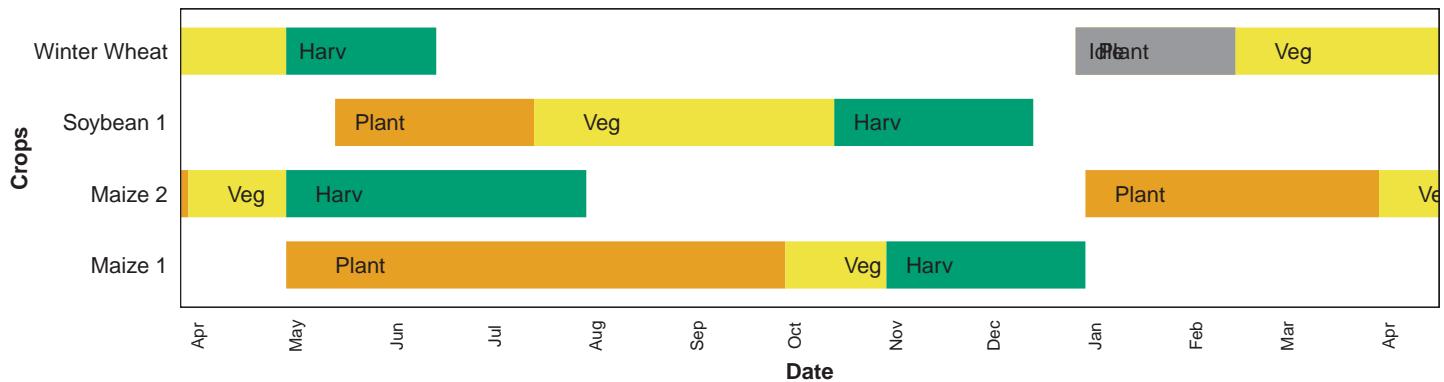


Mexico

Mexico cases over time



Mexico Norte



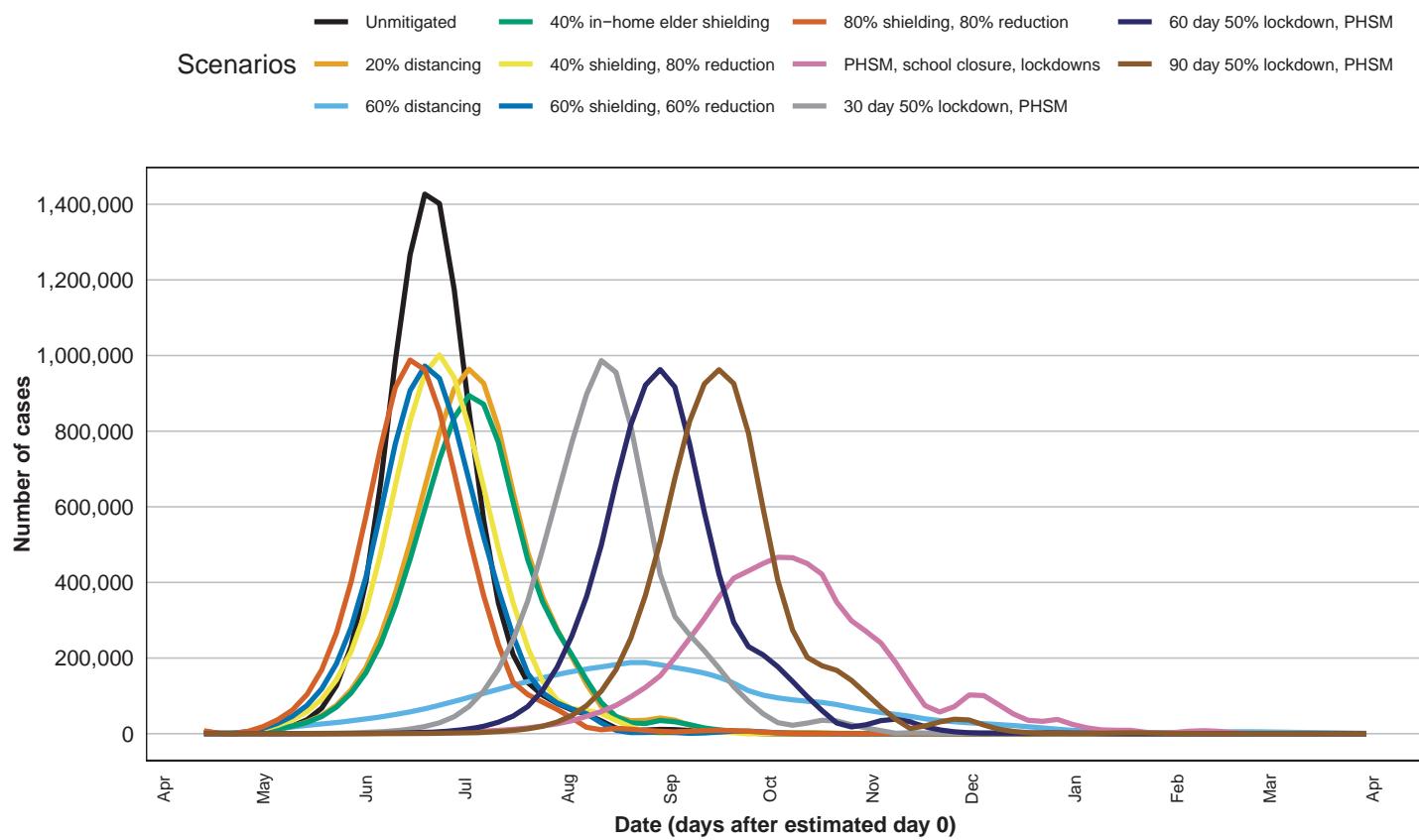
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

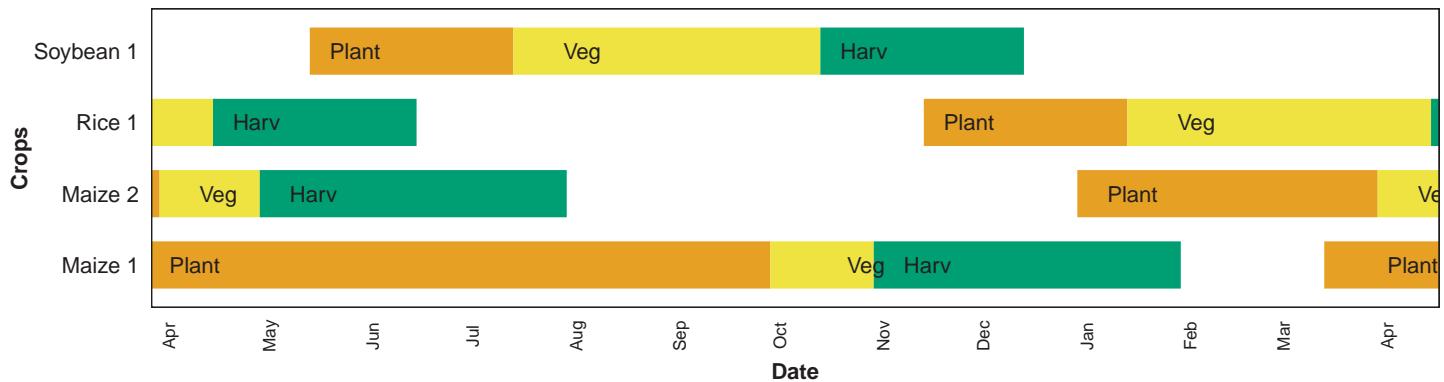


Mexico

Mexico cases over time



Mexico Pacifico



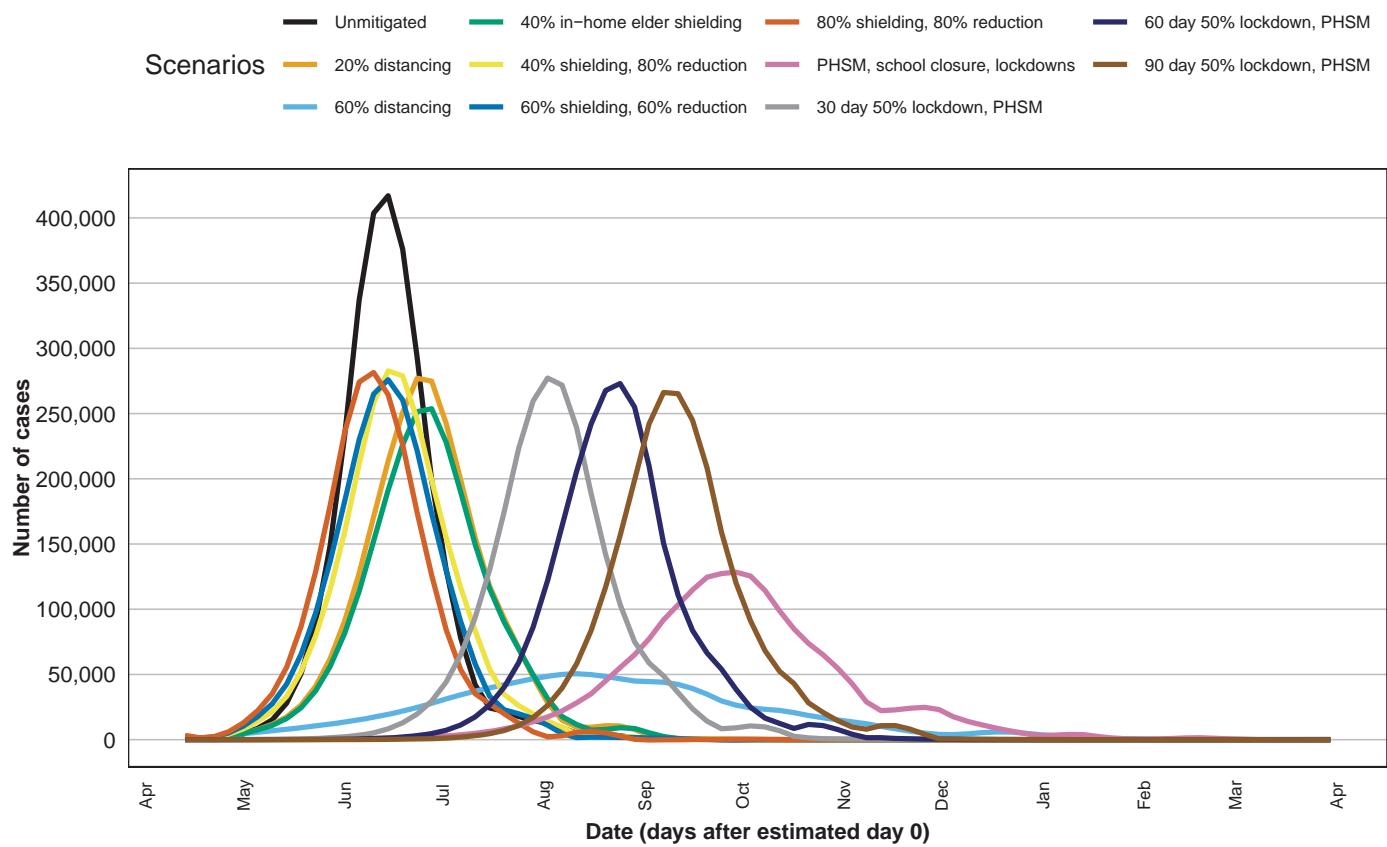
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

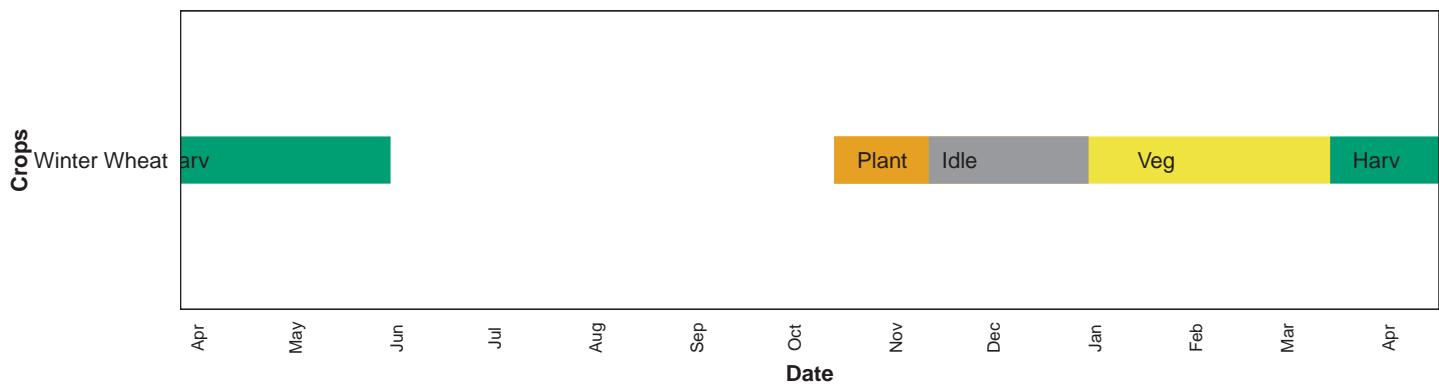


Morocco

Morocco cases over time



Morocco Central



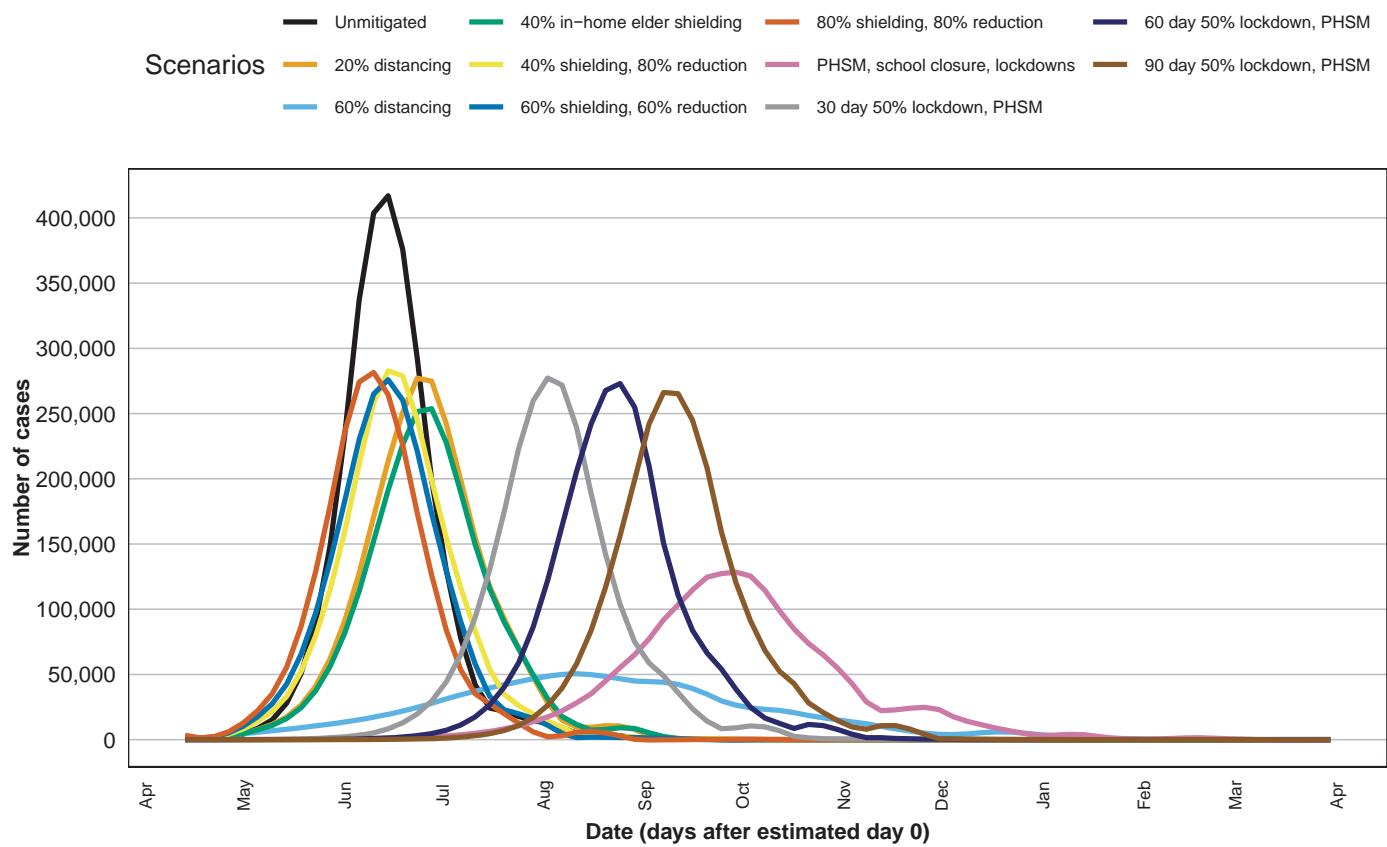
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

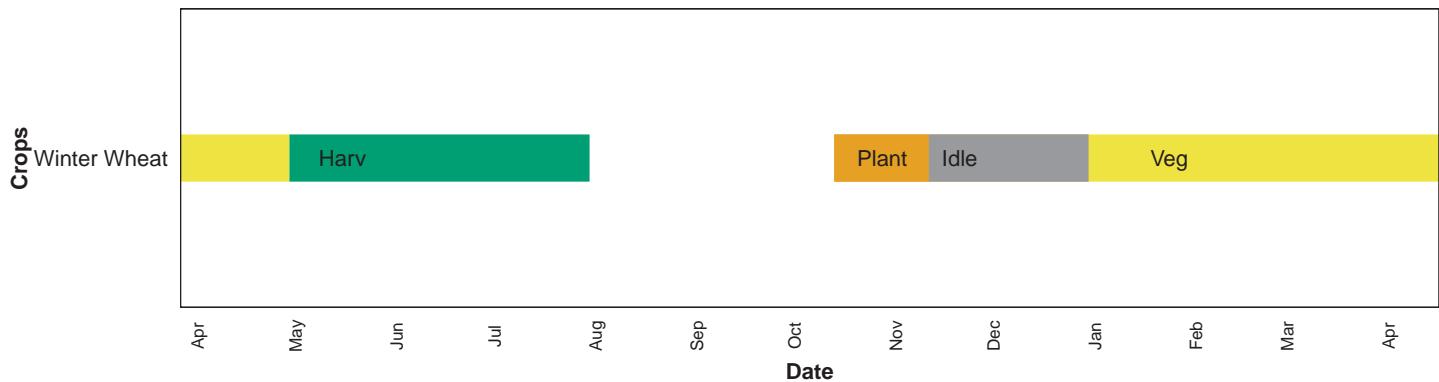


Morocco

Morocco cases over time



Morocco Northern



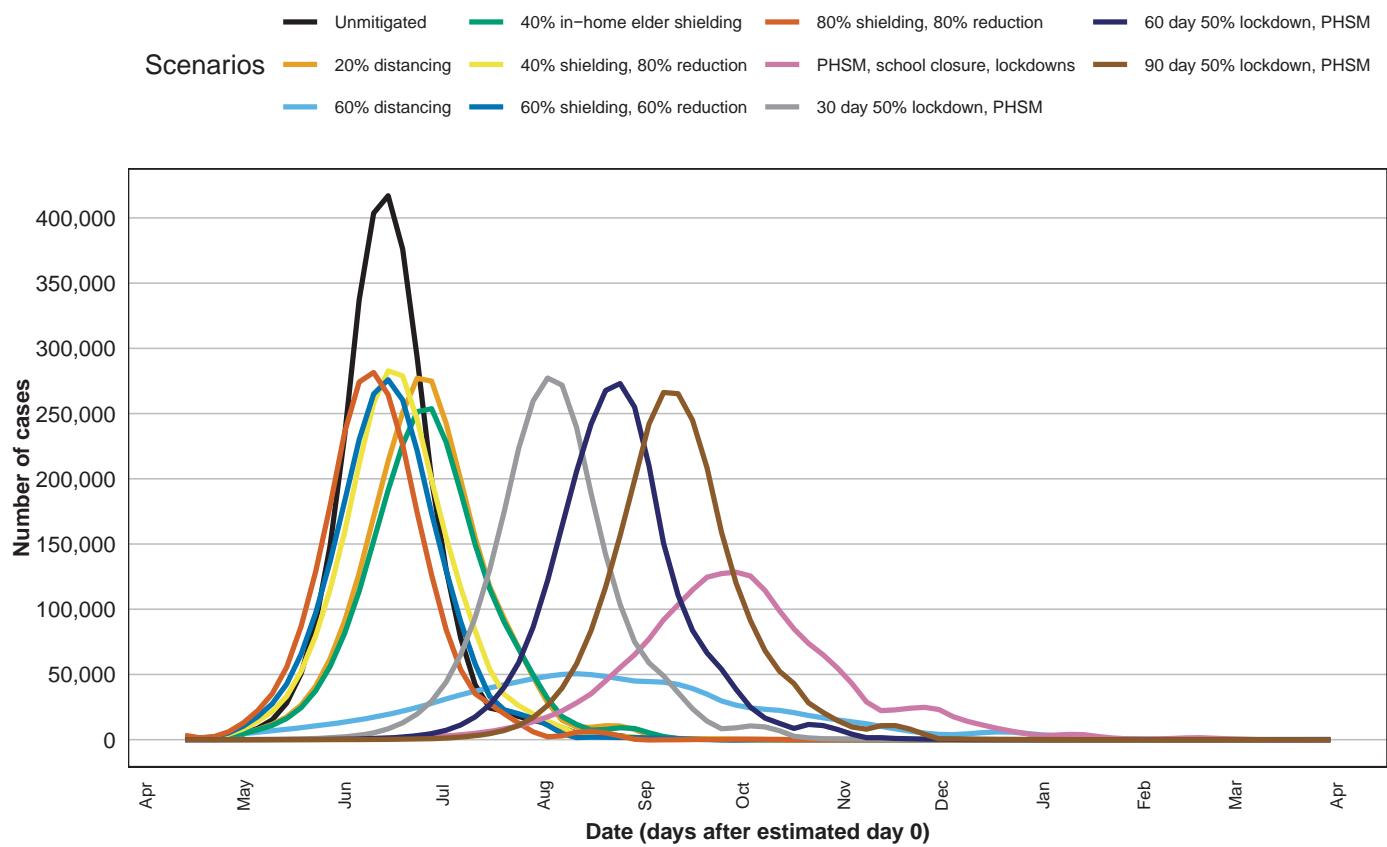
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

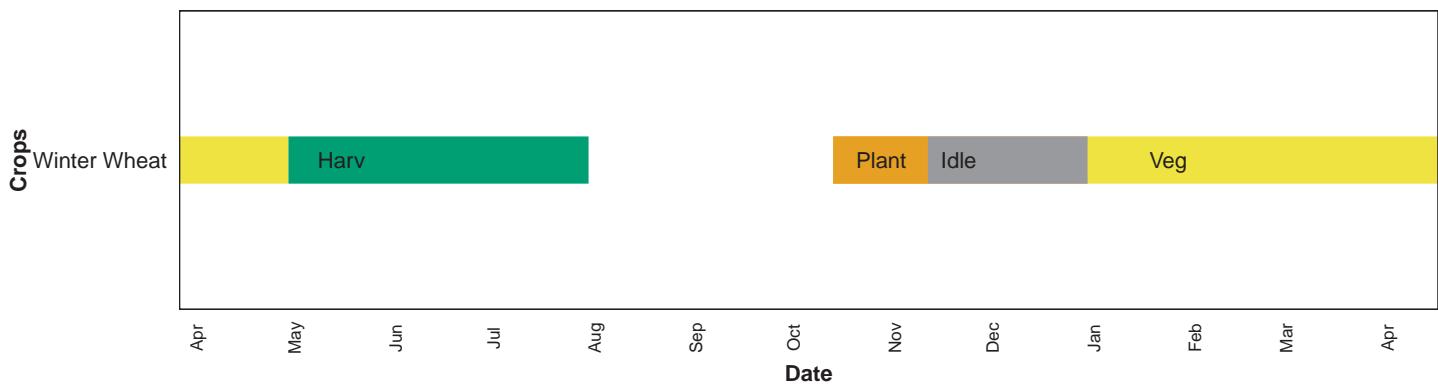


Morocco

Morocco cases over time



Morocco Oriental



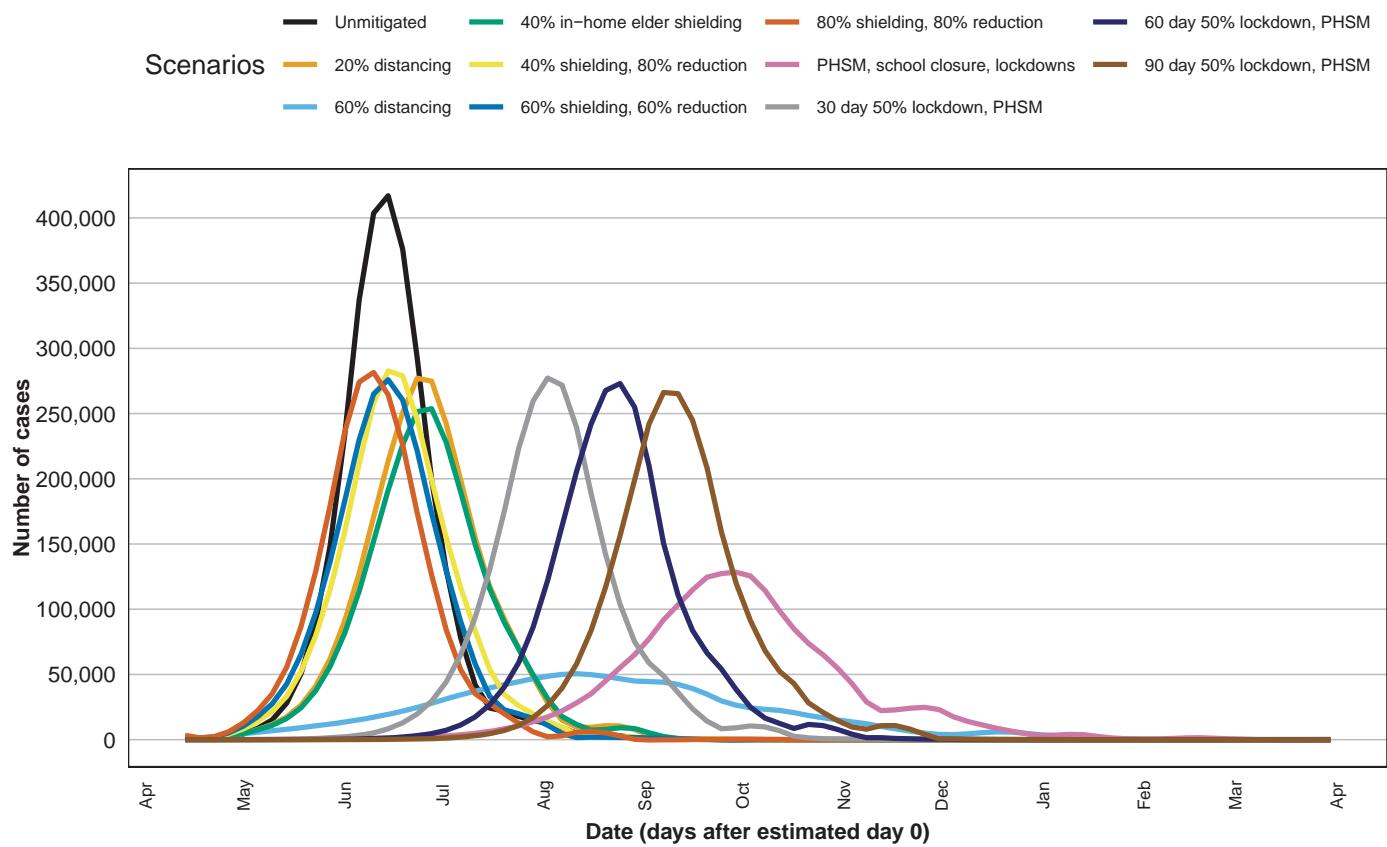
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

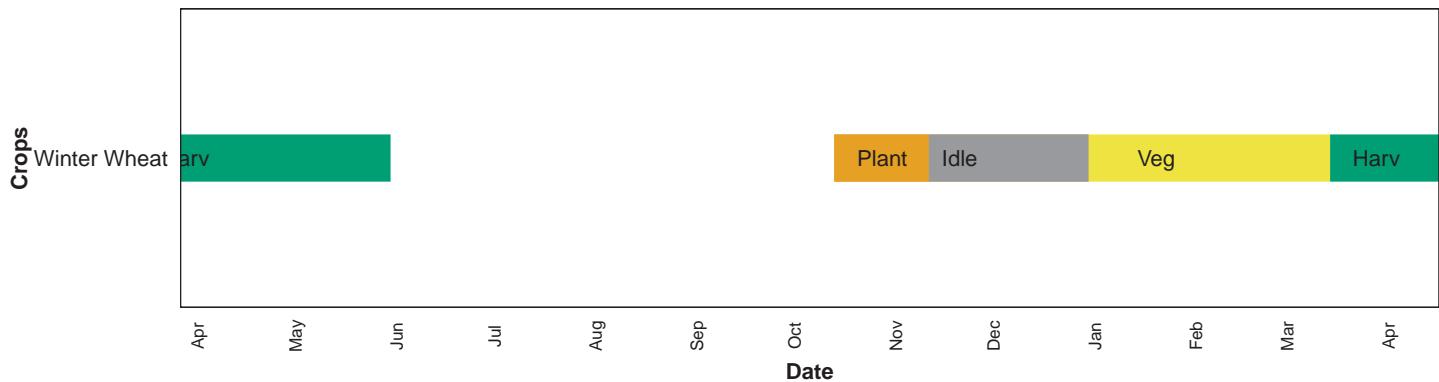


Morocco

Morocco cases over time



Morocco Southern



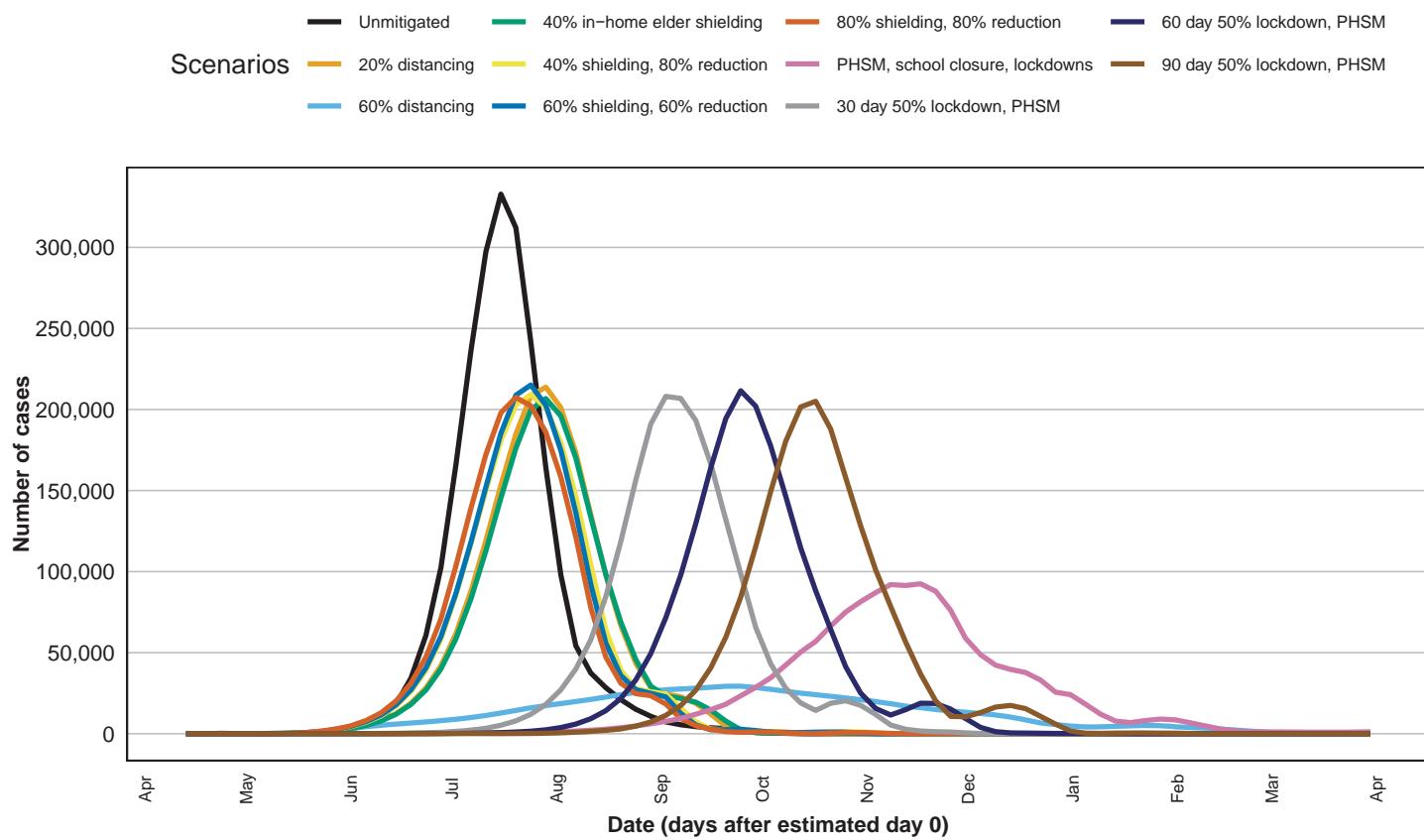
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

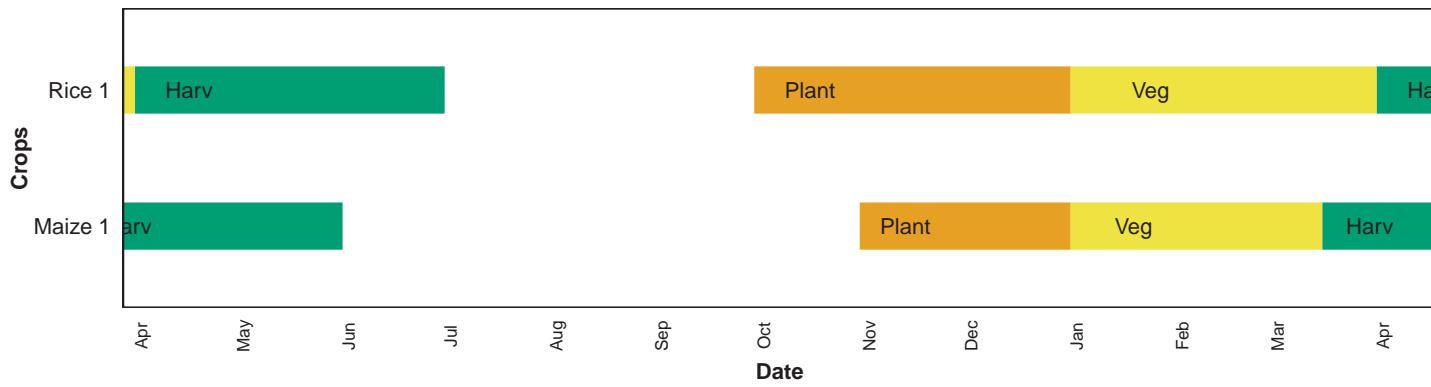


Mozambique

Mozambique cases over time



Mozambique Central



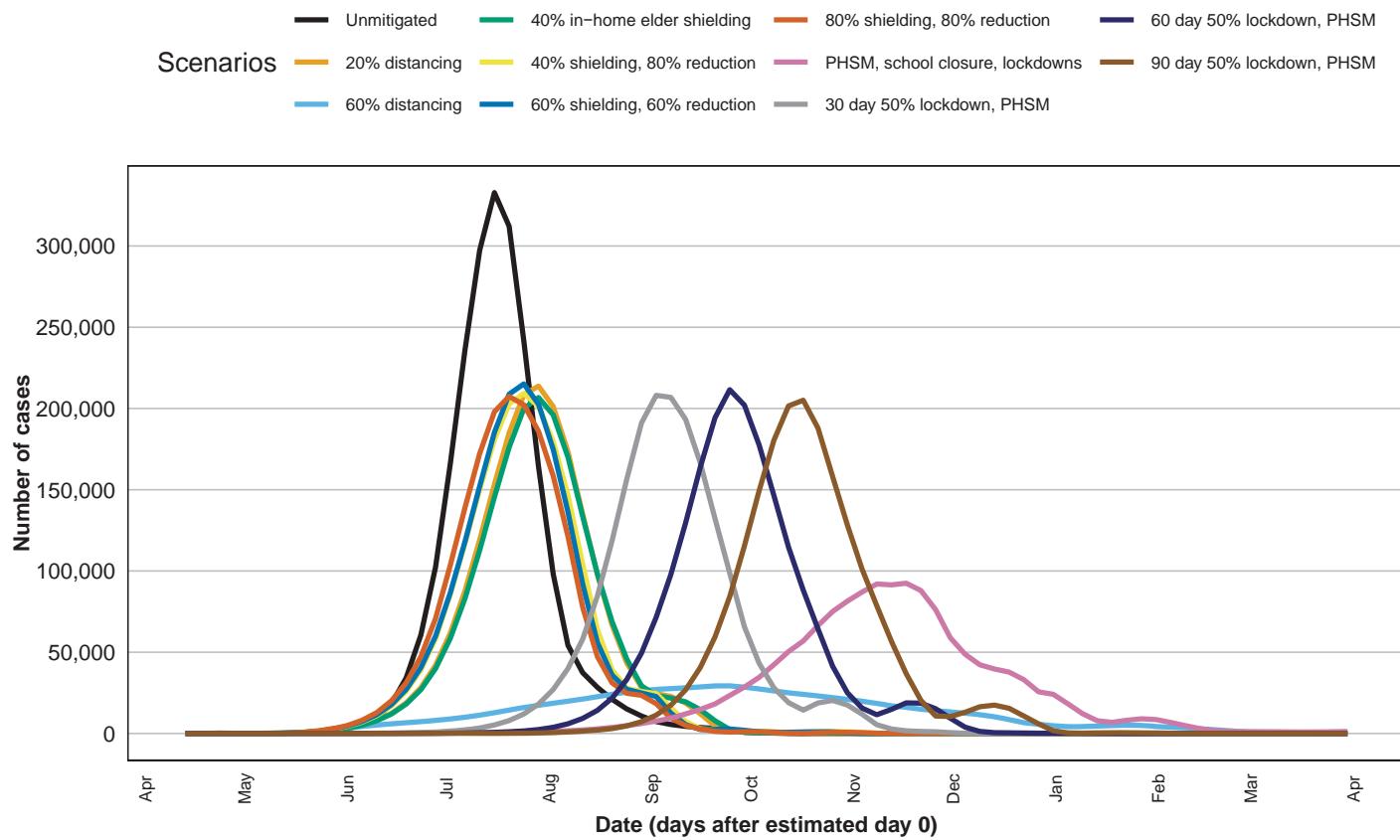
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AACF Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

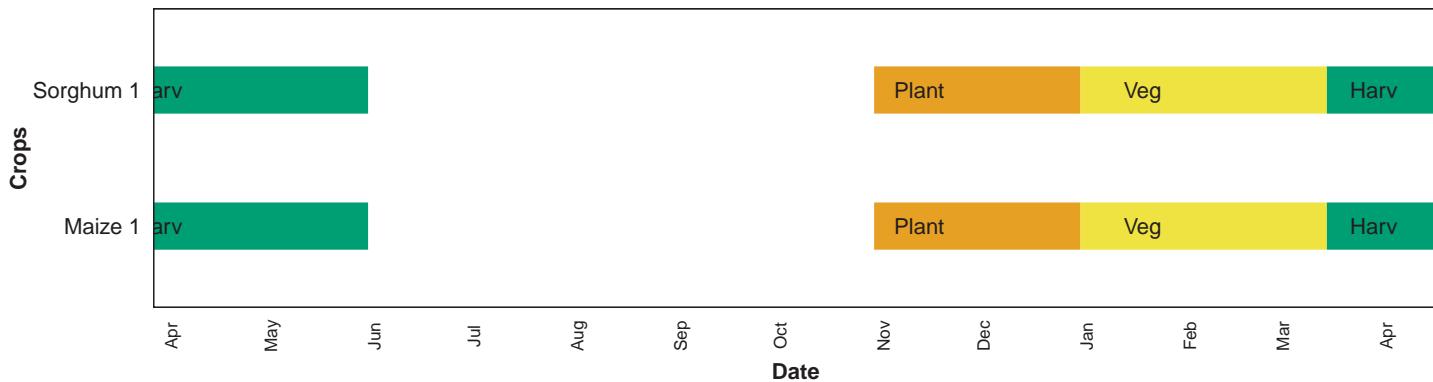


Mozambique

Mozambique cases over time



Mozambique Manica



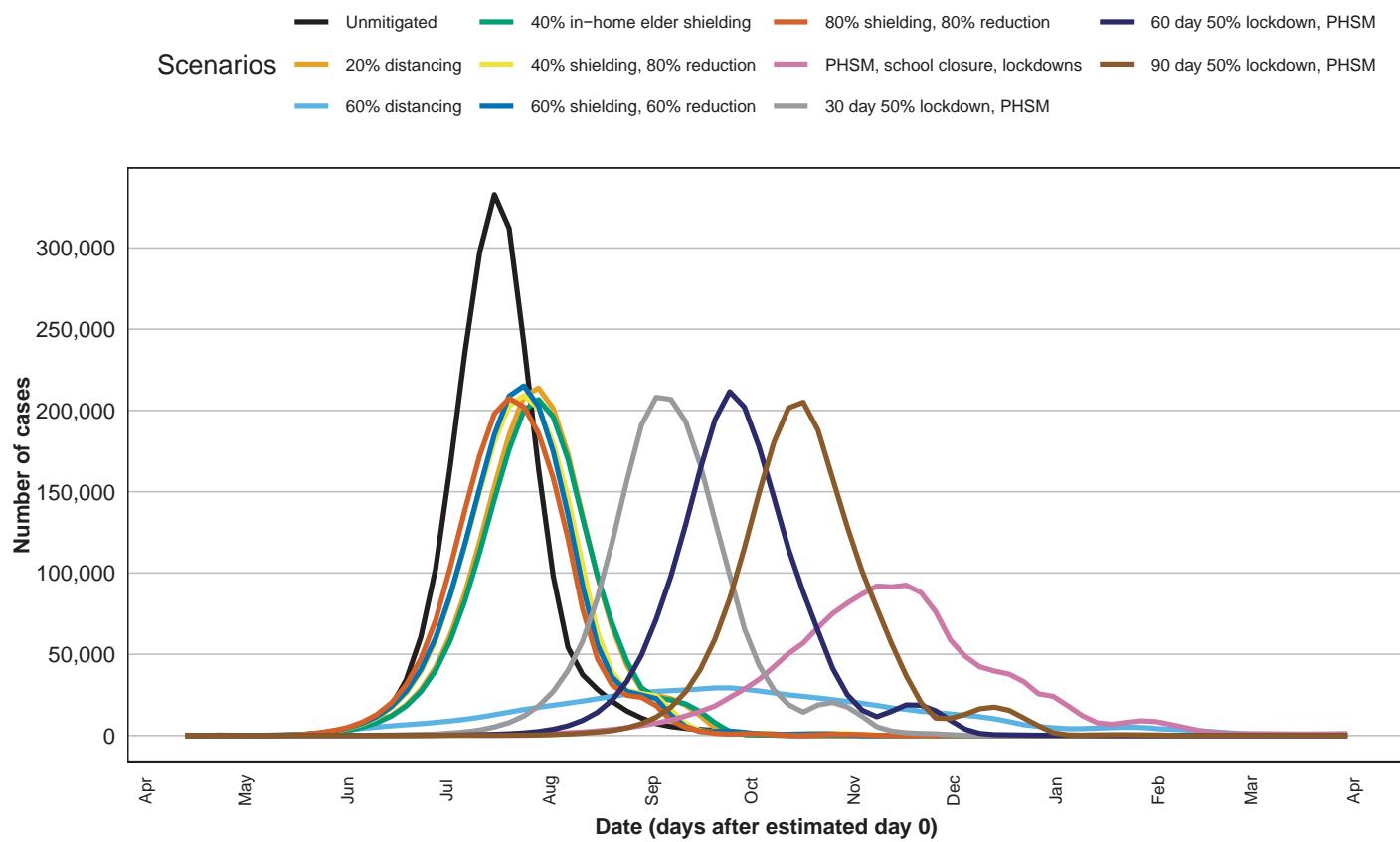
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

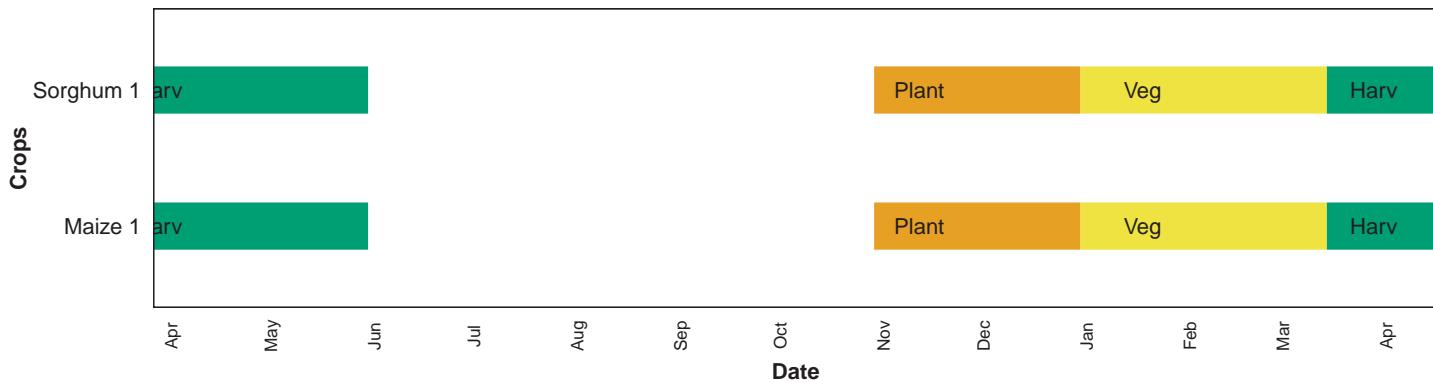


Mozambique

Mozambique cases over time



Mozambique North



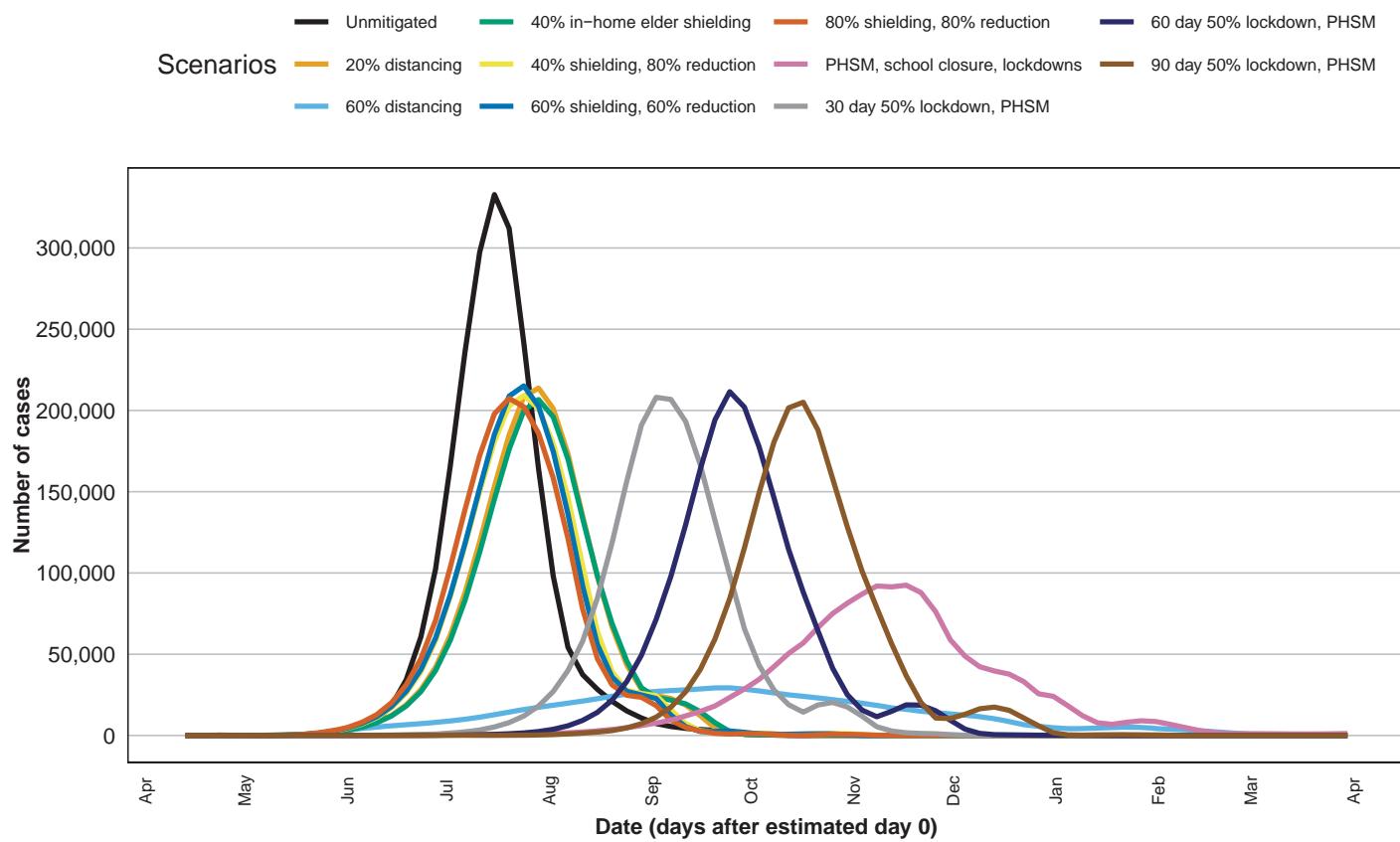
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

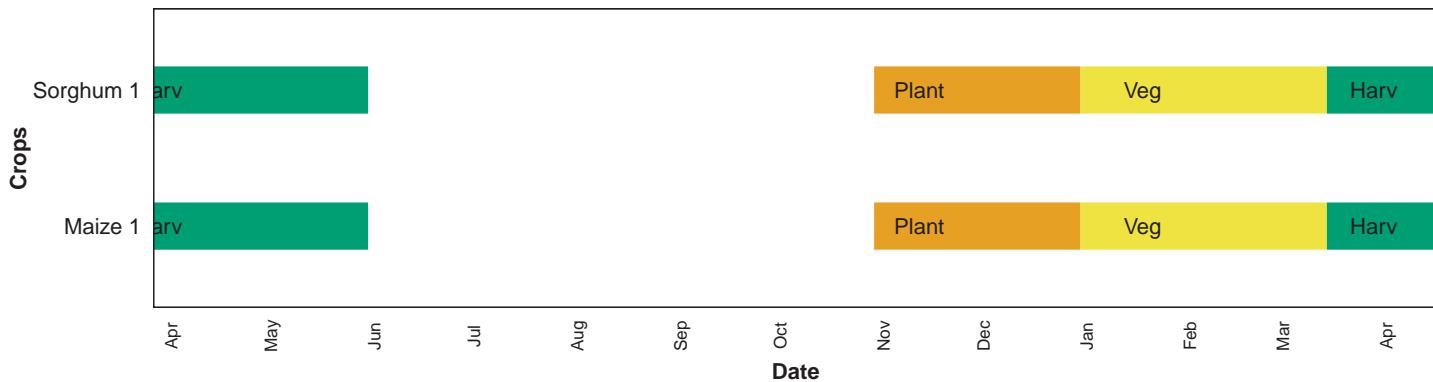


Mozambique

Mozambique cases over time



Mozambique Sofala



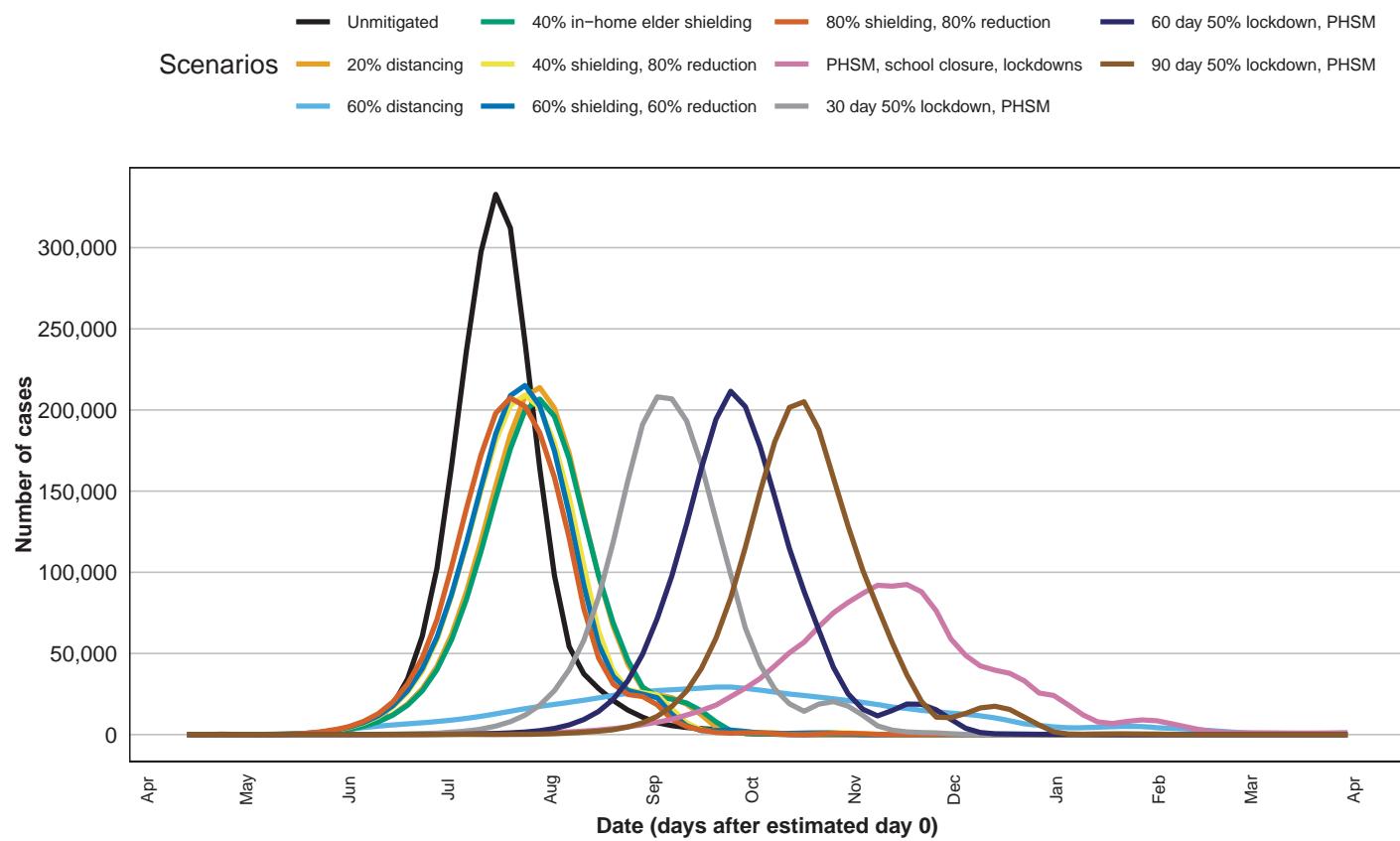
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

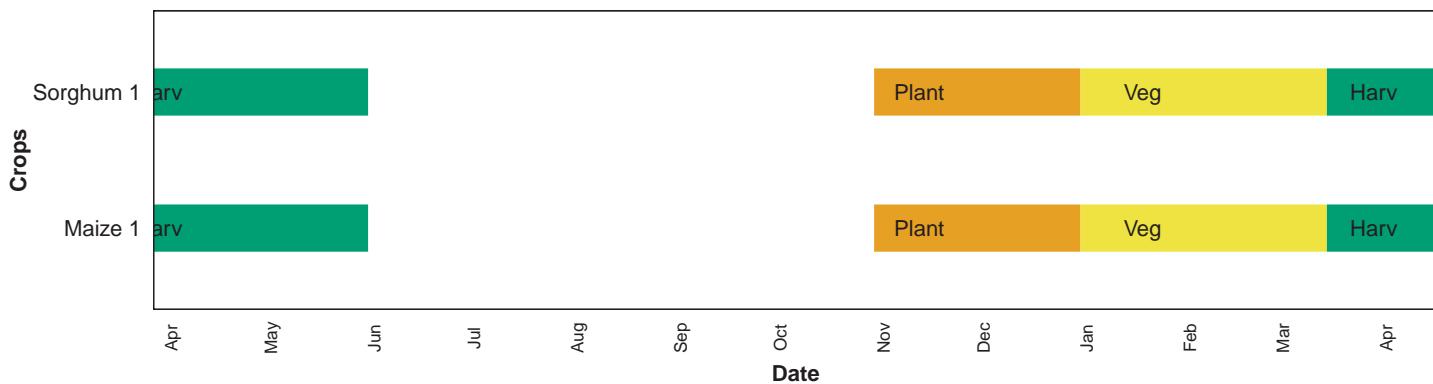


Mozambique

Mozambique cases over time



Mozambique South



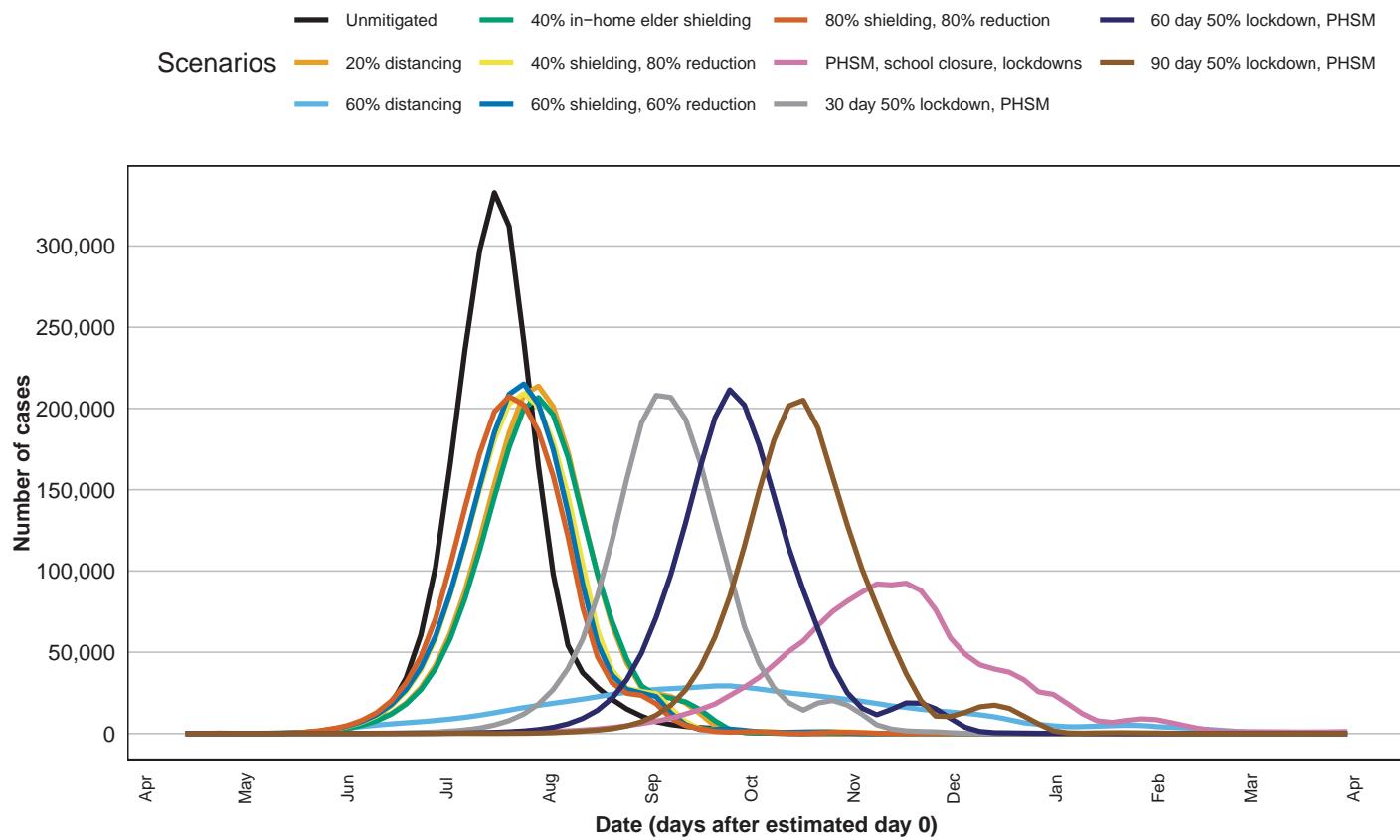
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

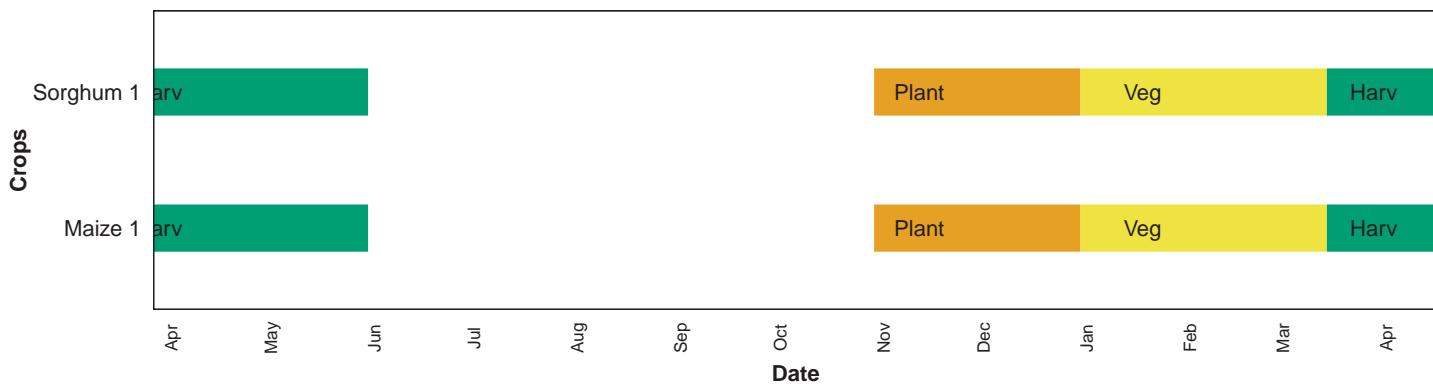


Mozambique

Mozambique cases over time



Mozambique Tete



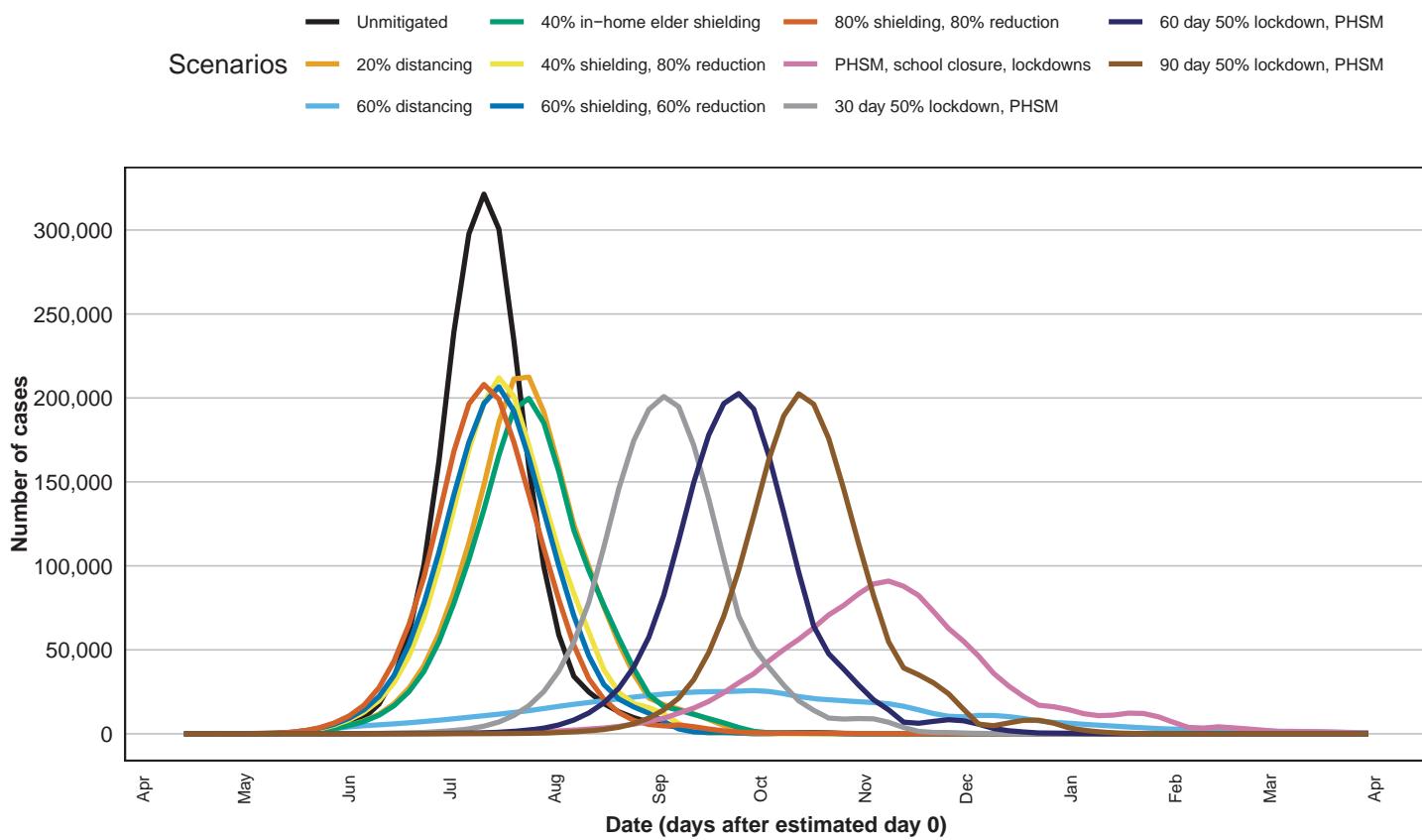
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

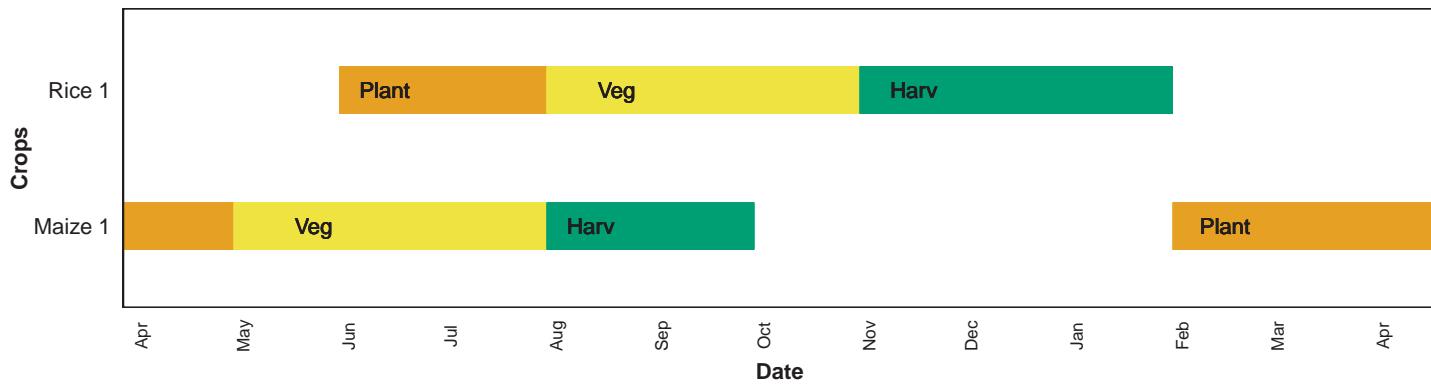


Nepal

Nepal cases over time



Nepal



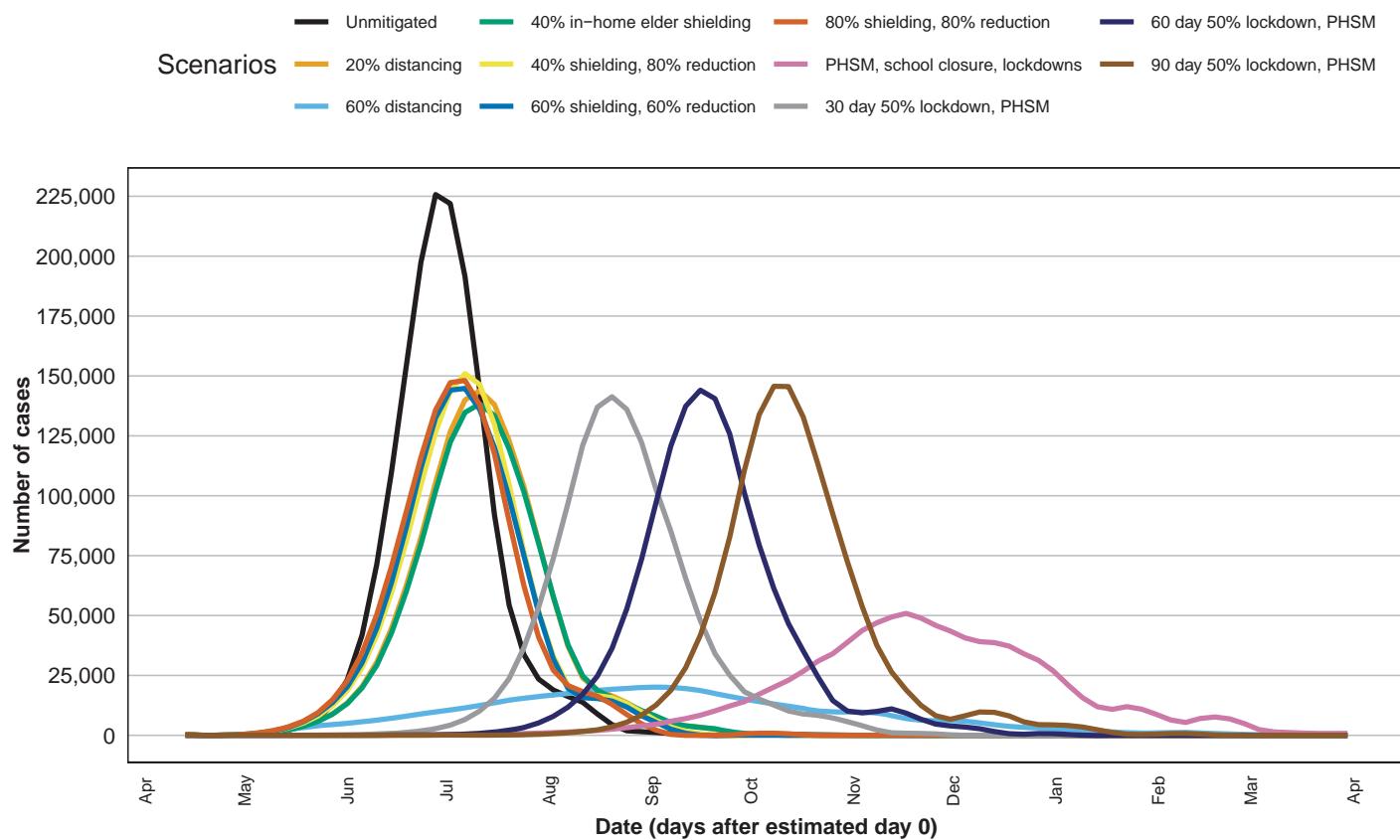
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

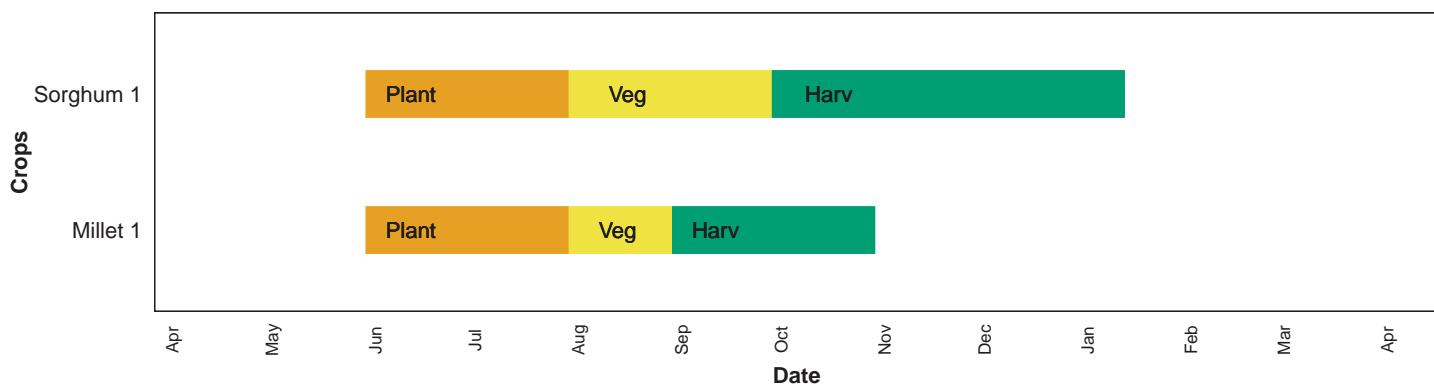


Niger

Niger cases over time



Niger



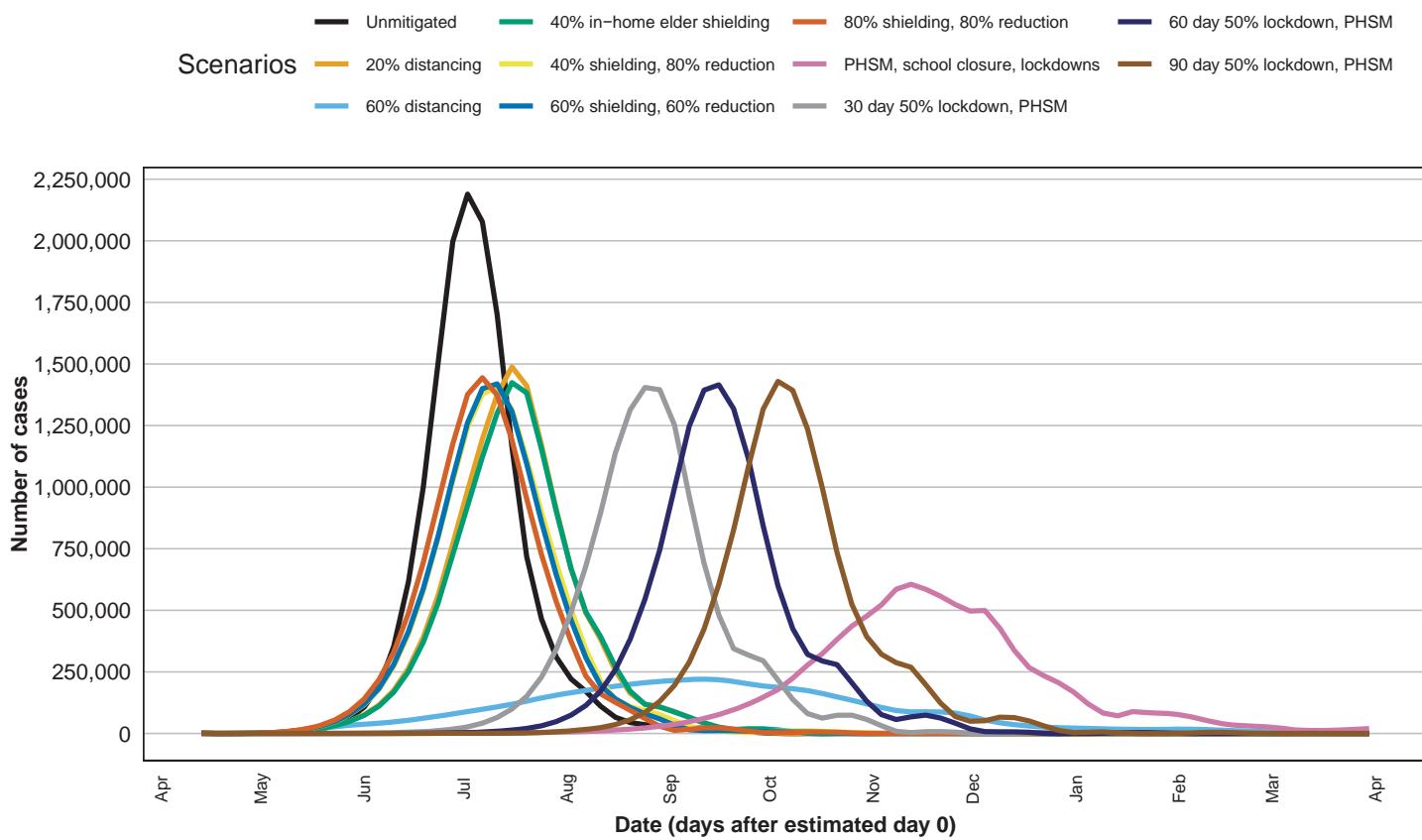
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

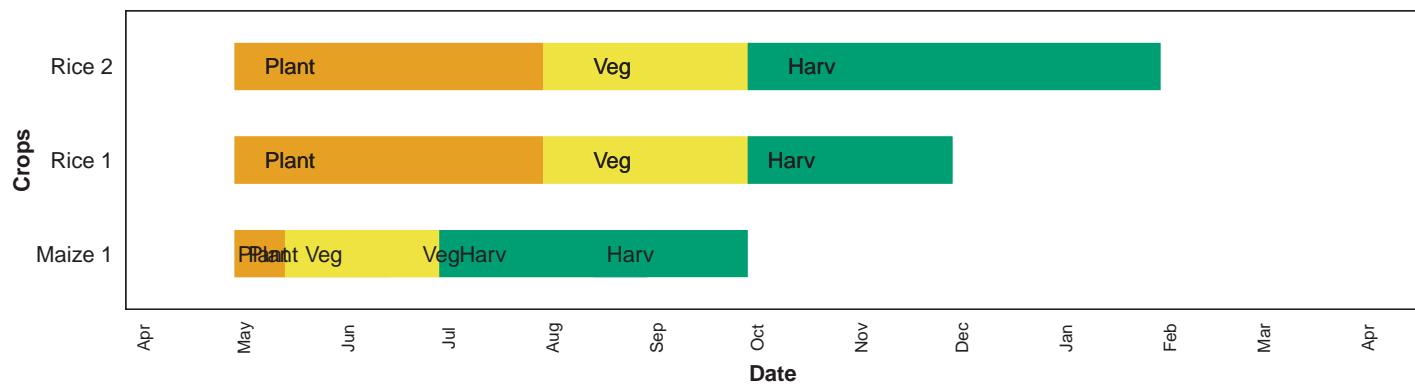


Nigeria

Nigeria cases over time



Nigeria Middle



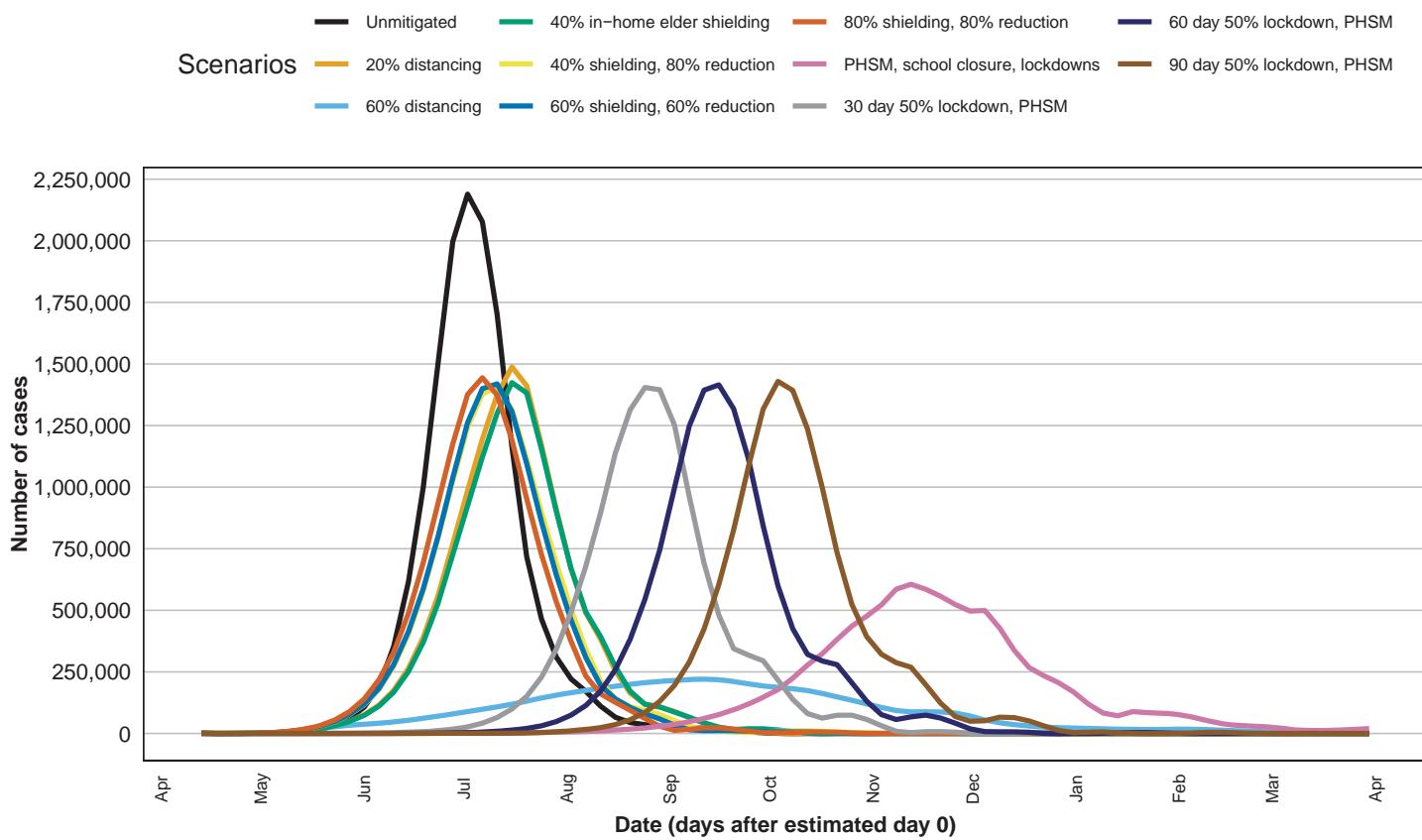
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

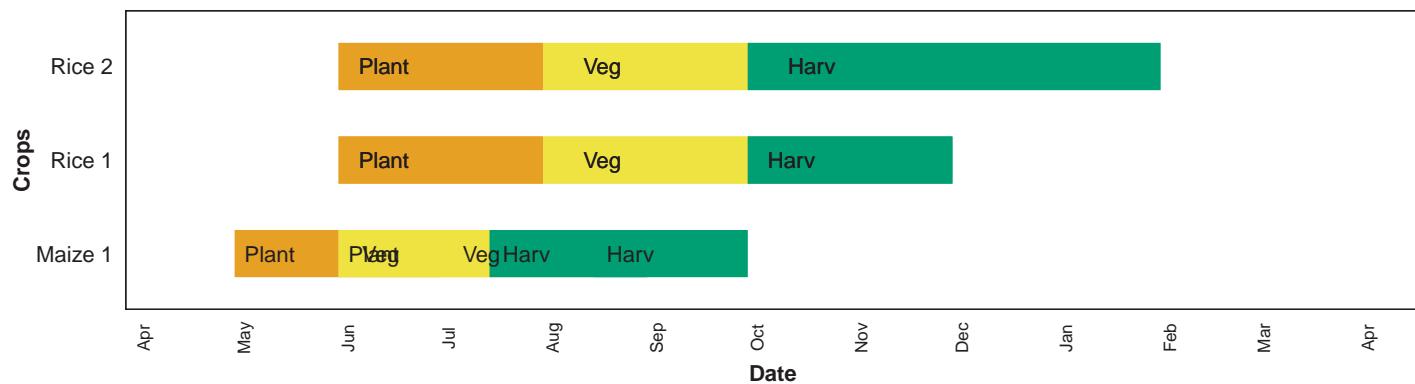


Nigeria

Nigeria cases over time



Nigeria North



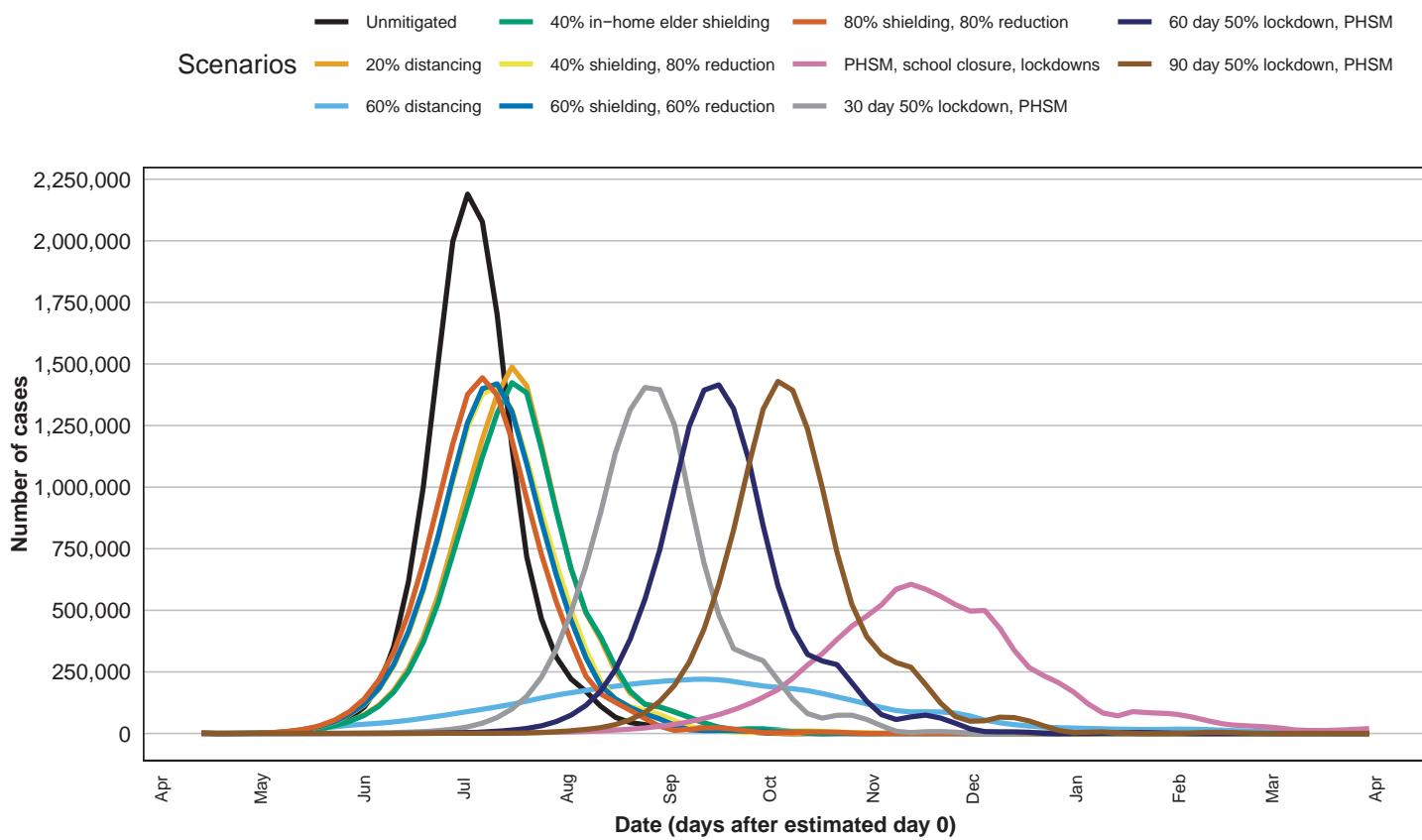
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

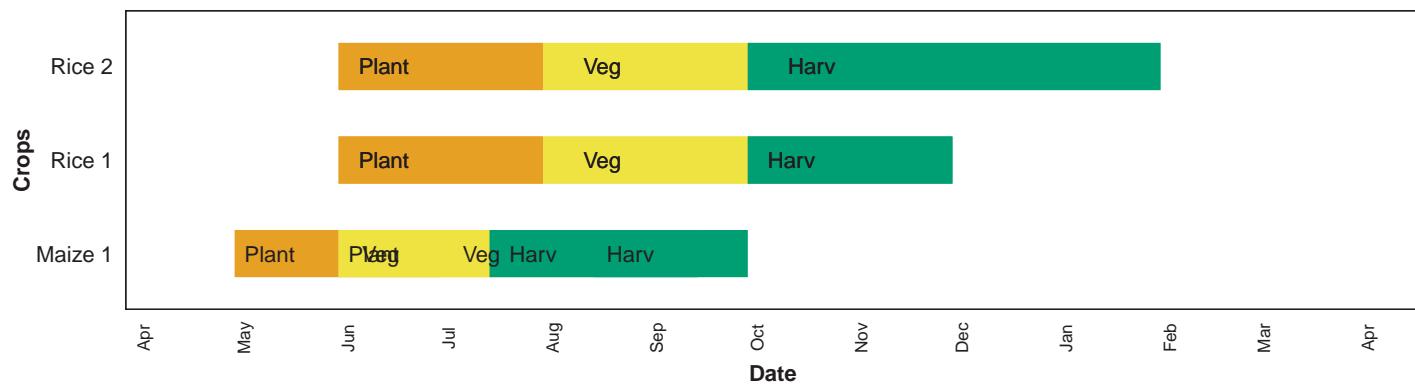


Nigeria

Nigeria cases over time



Nigeria Northeast



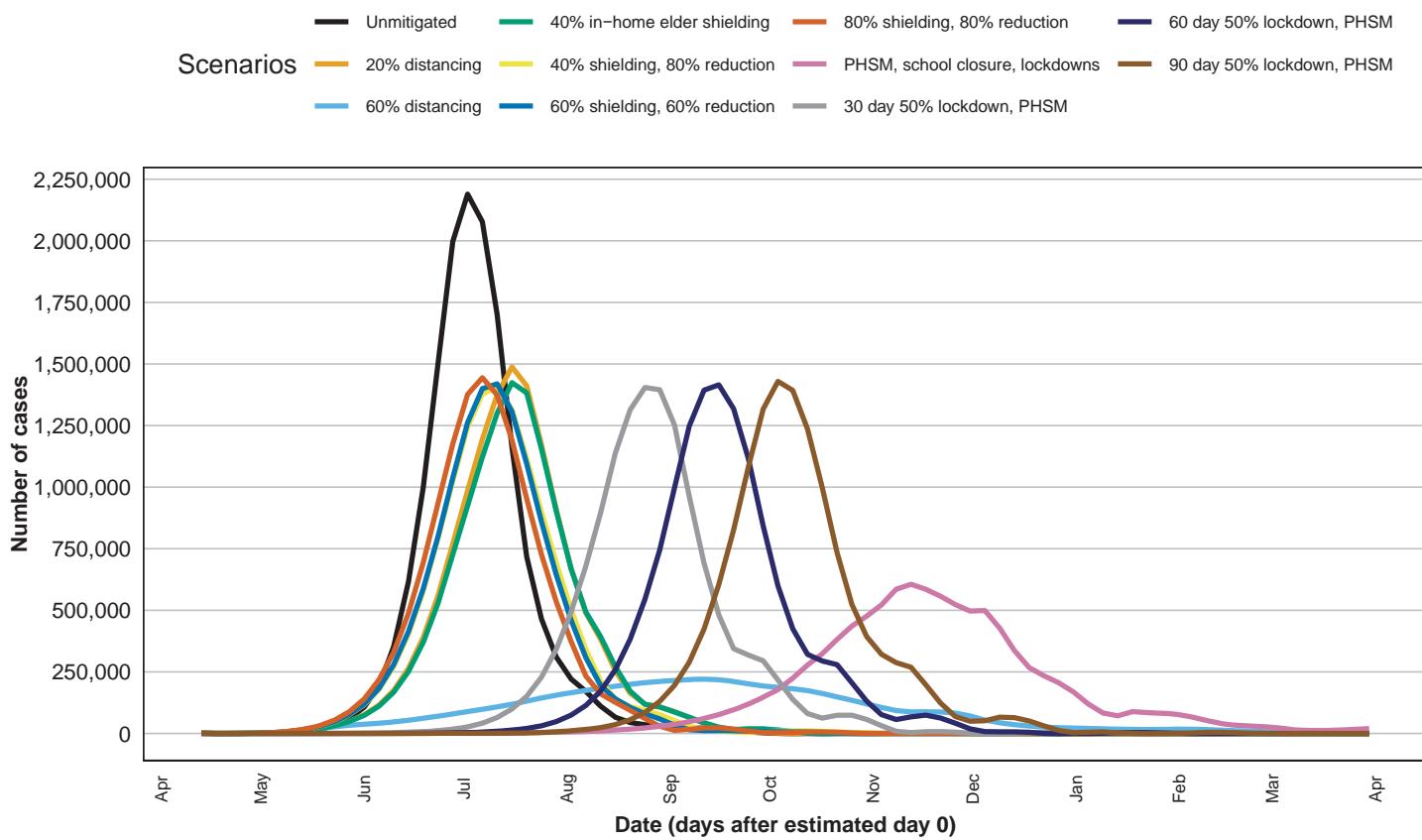
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

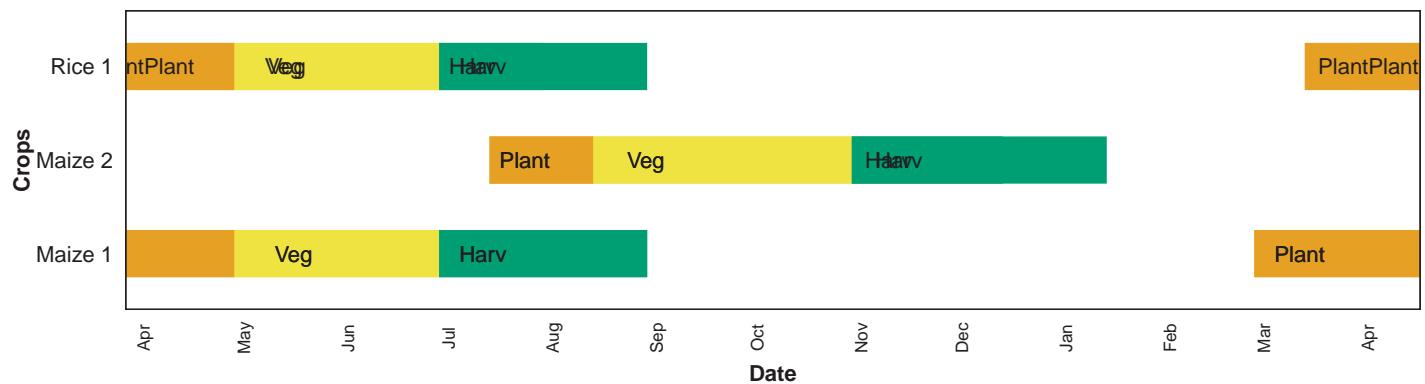


Nigeria

Nigeria cases over time



Nigeria South



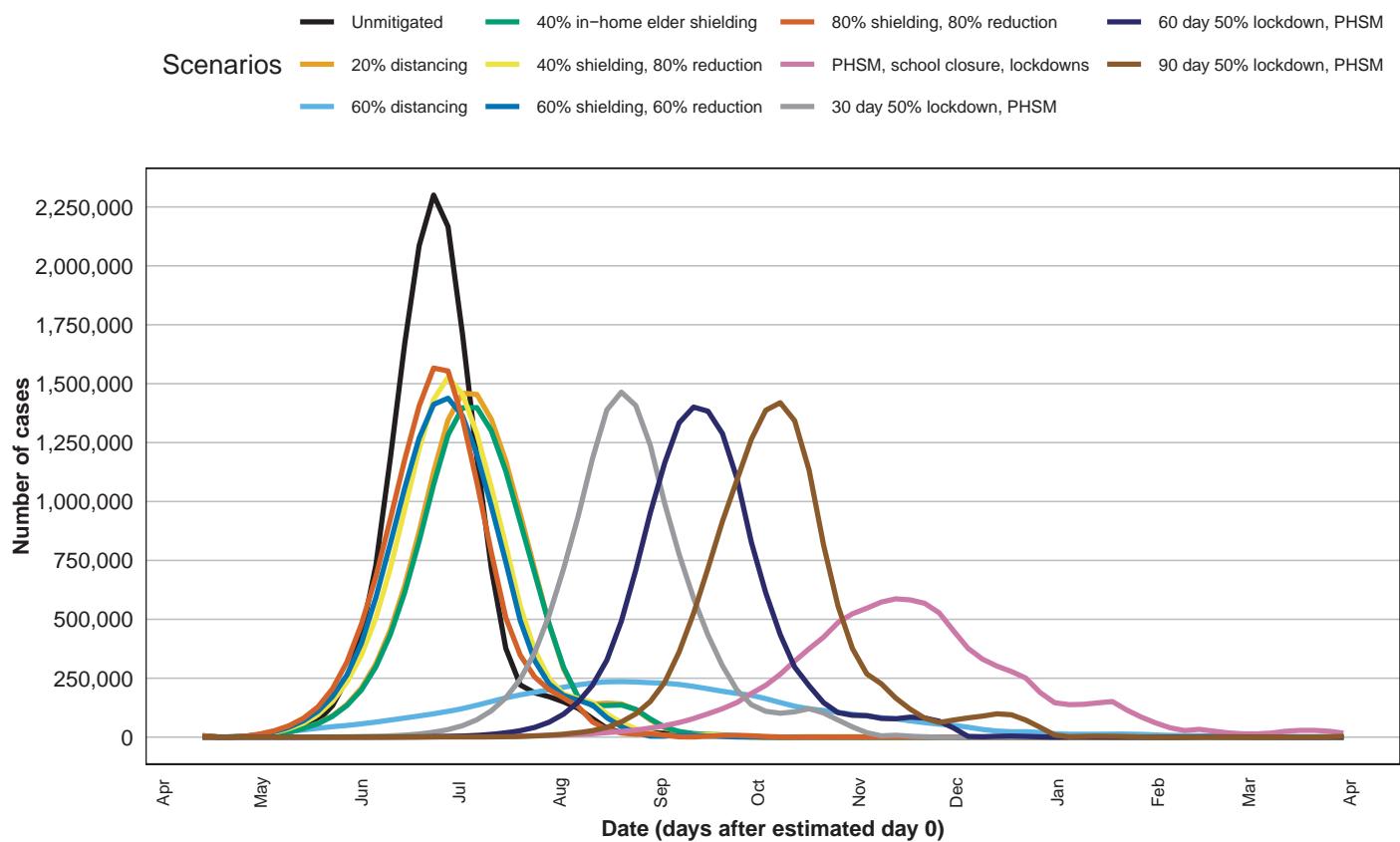
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

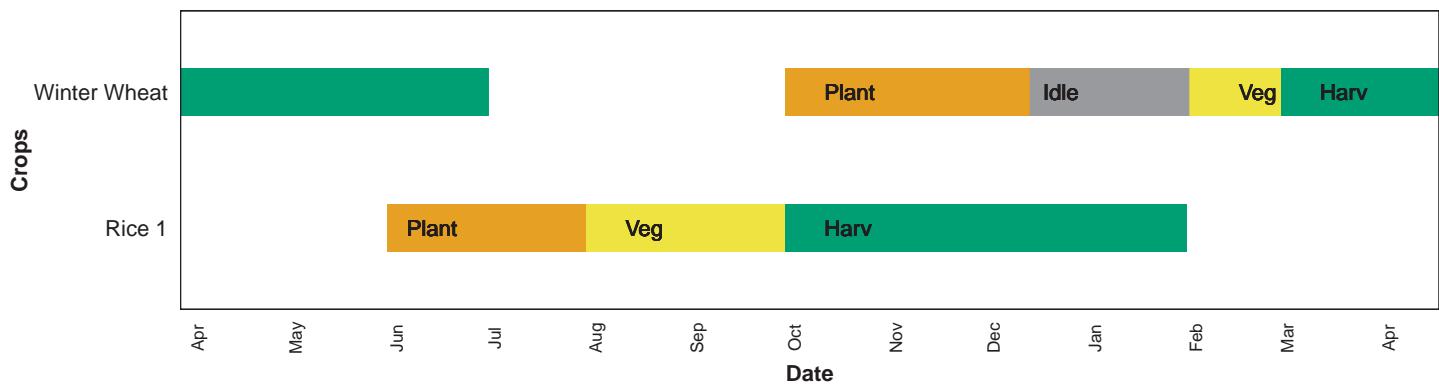


Pakistan

Pakistan cases over time



Pakistan



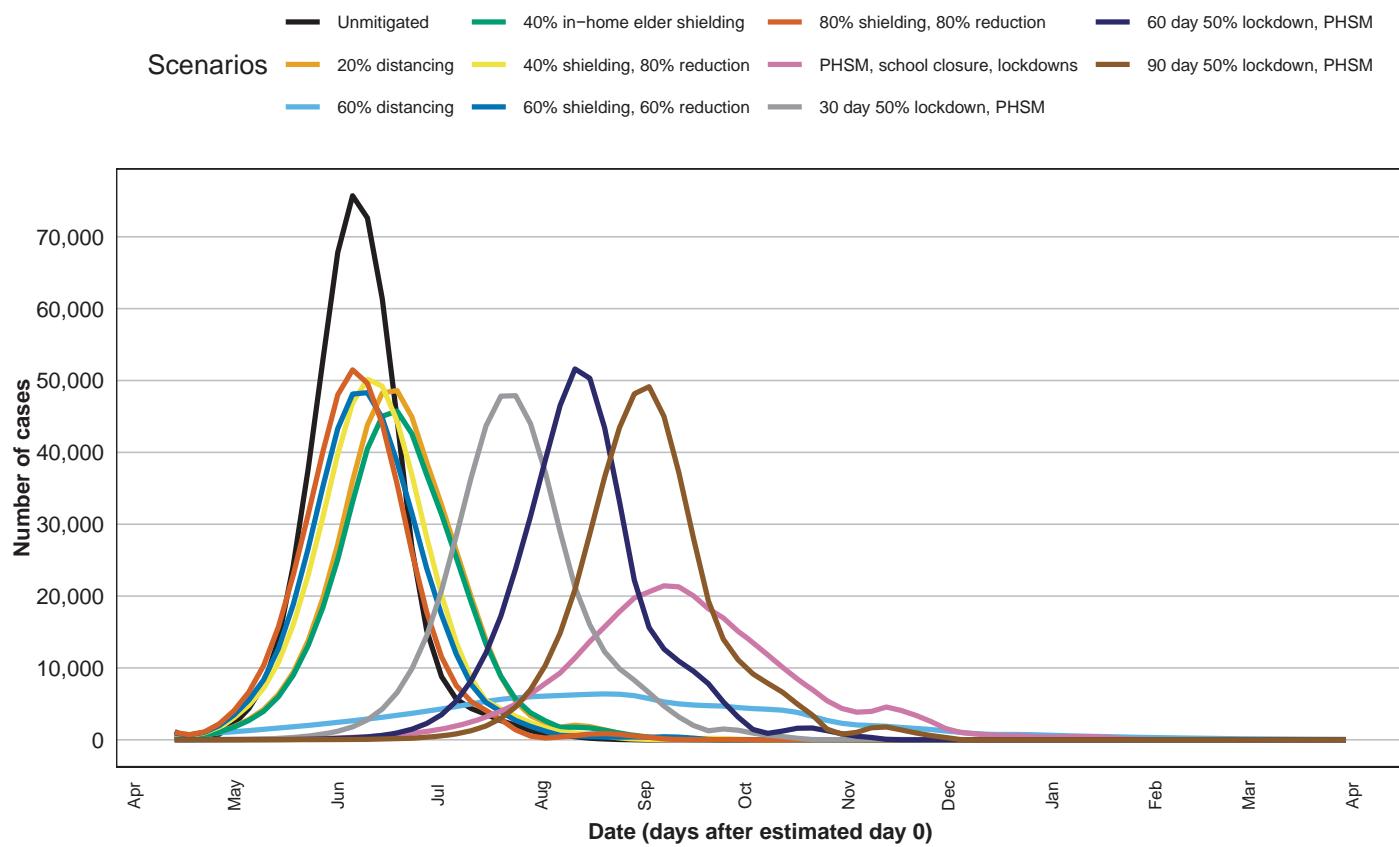
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

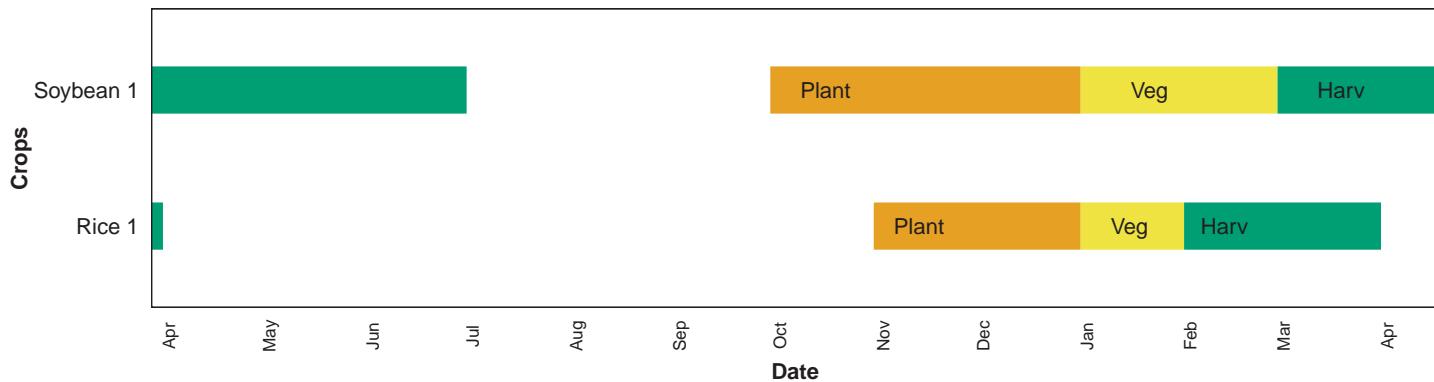


Paraguay

Paraguay cases over time



Paraguay Eastern Region



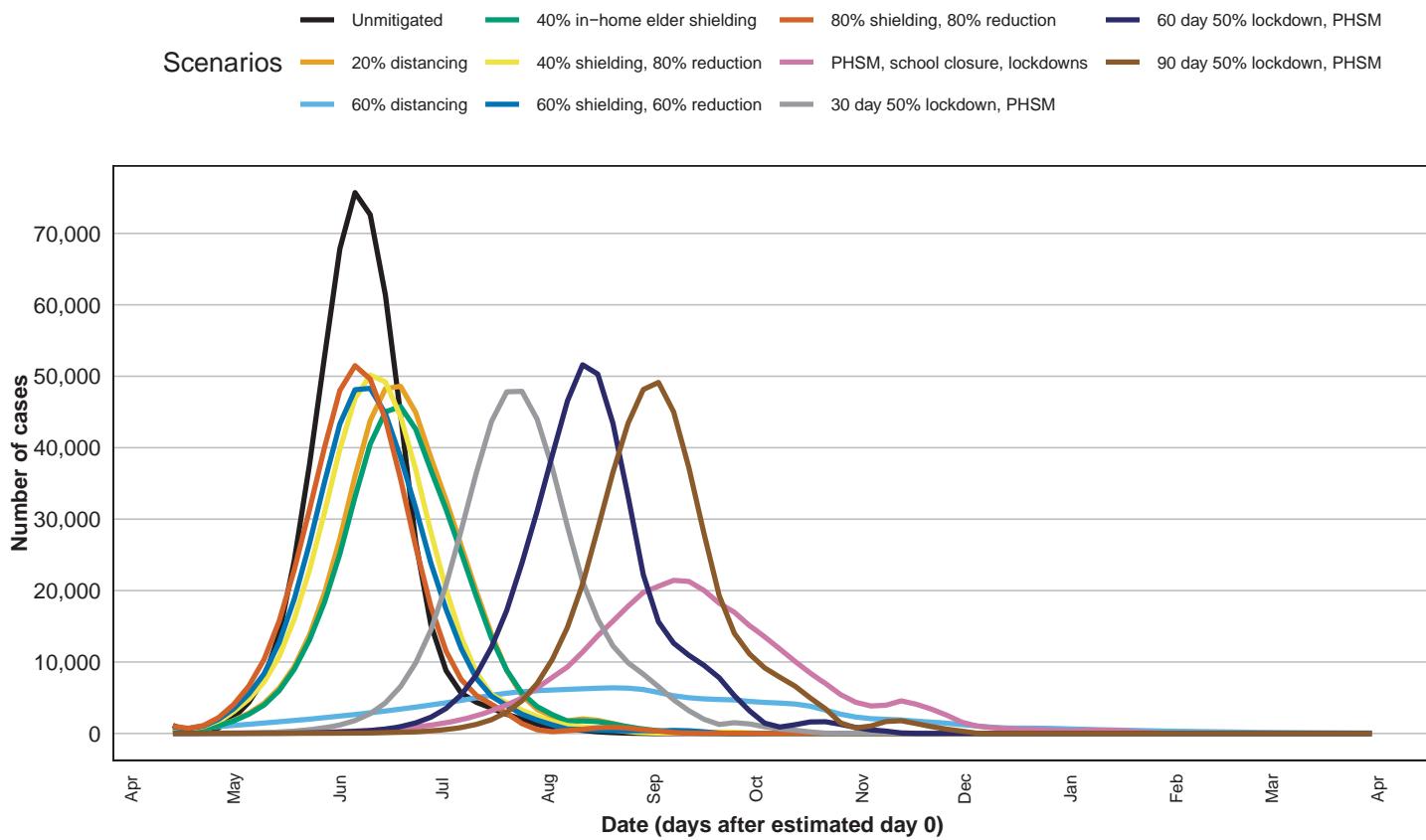
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

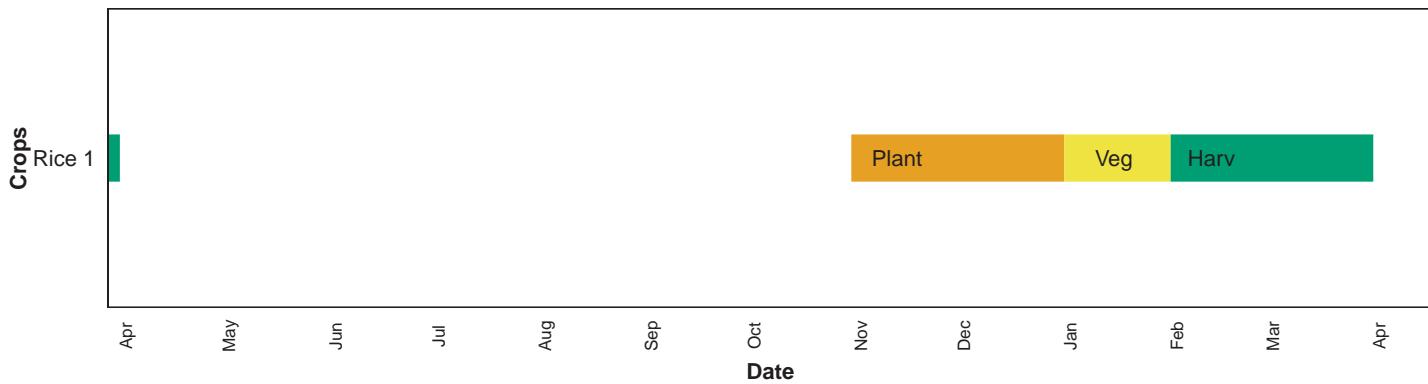


Paraguay

Paraguay cases over time



Paraguay Western Region



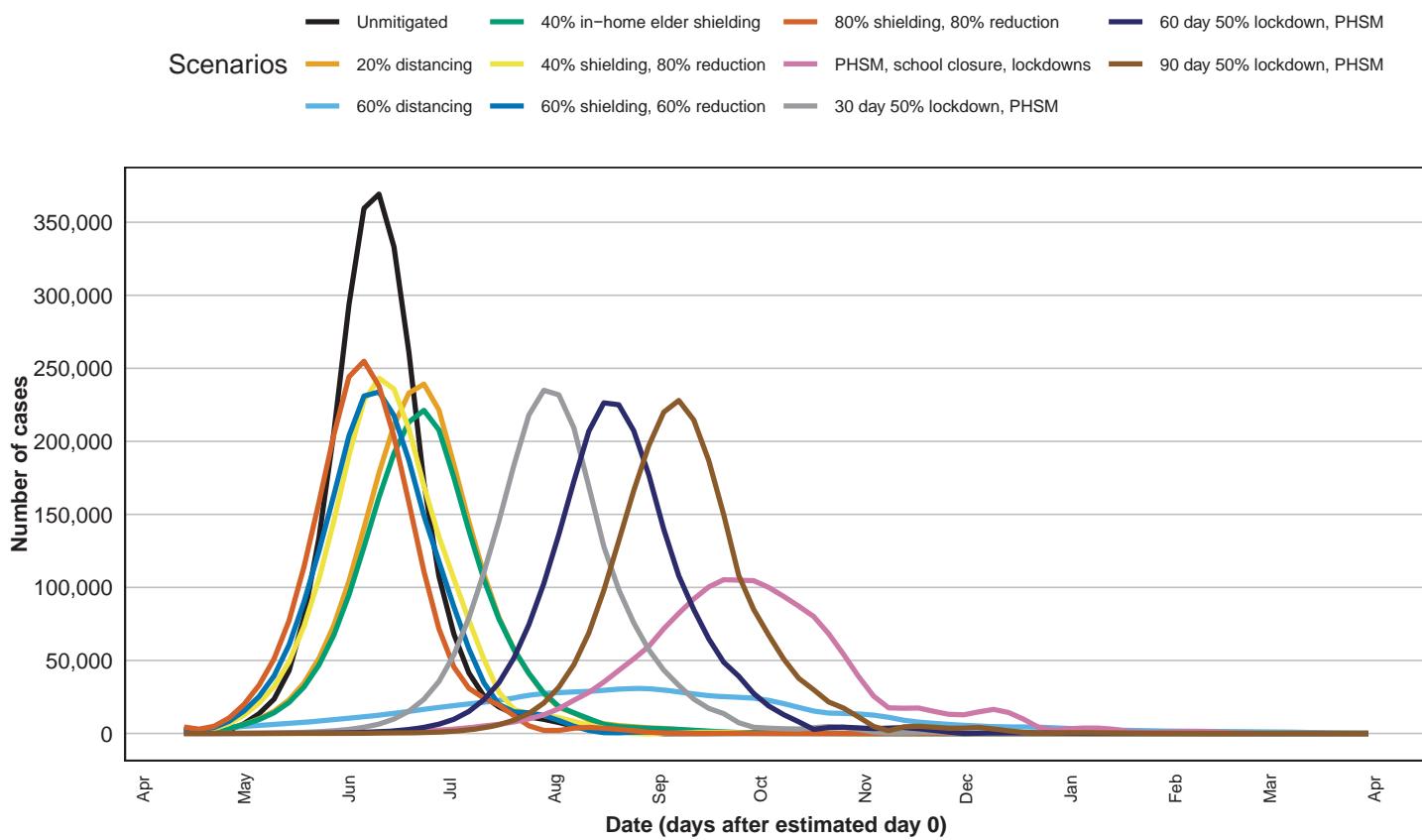
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

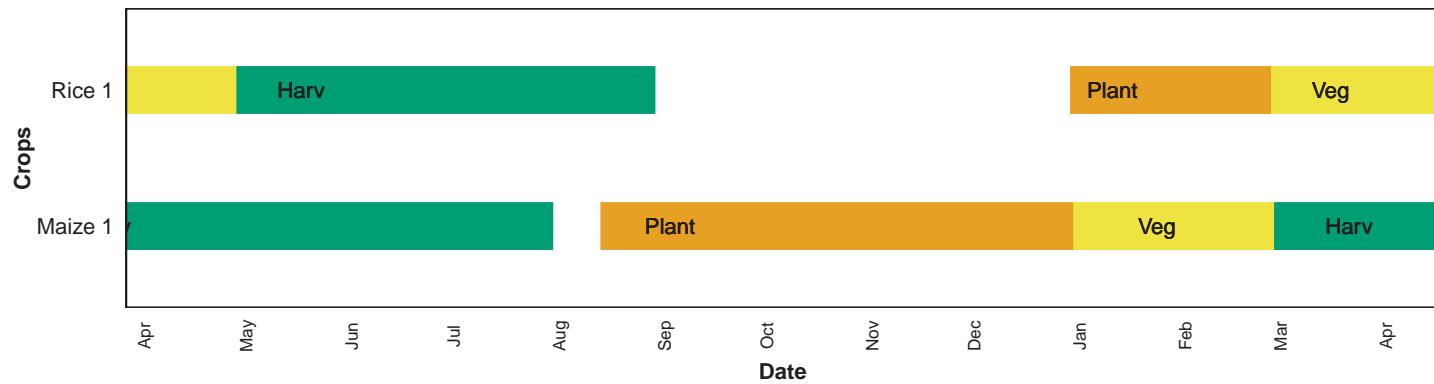


Peru

Peru cases over time



Peru



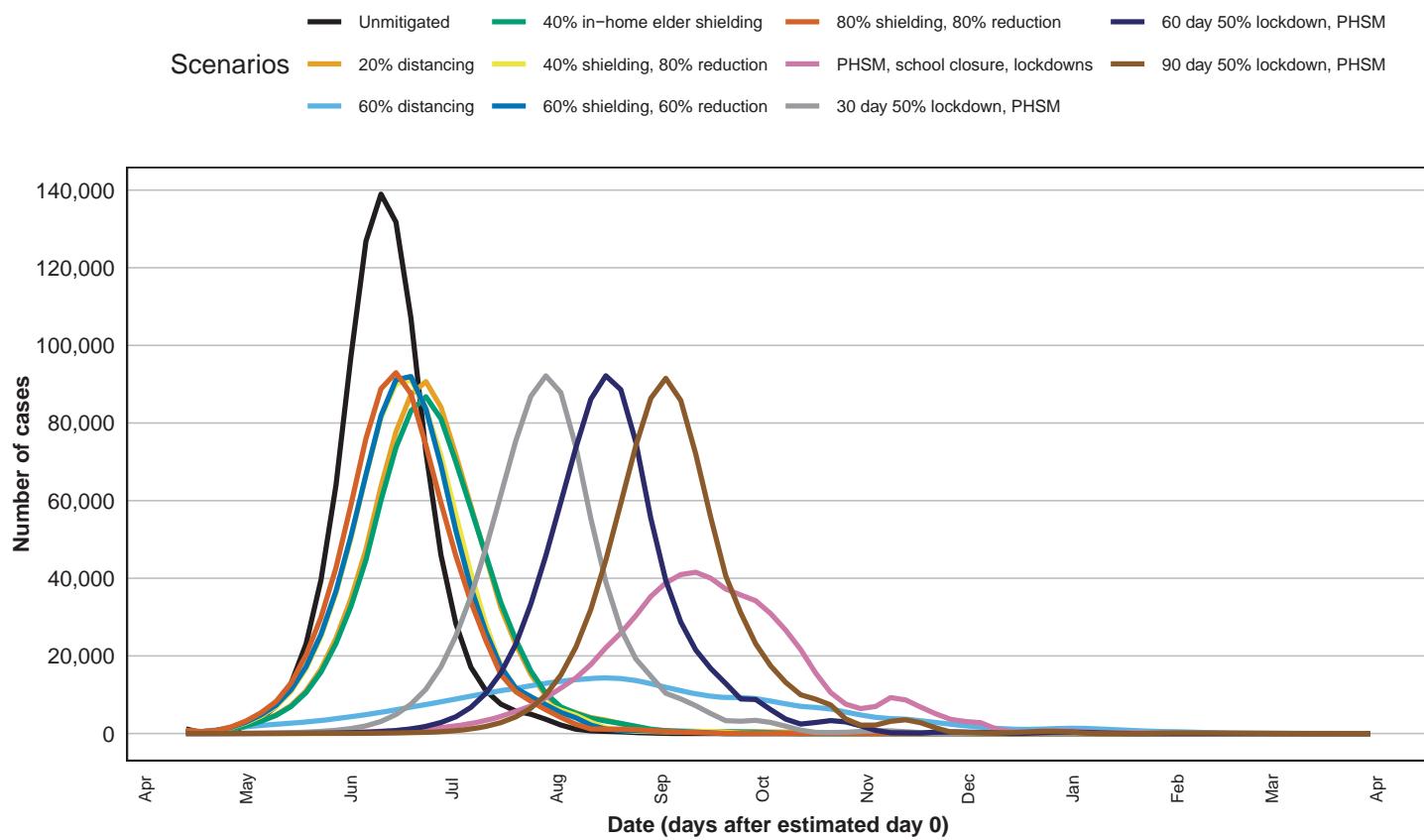
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

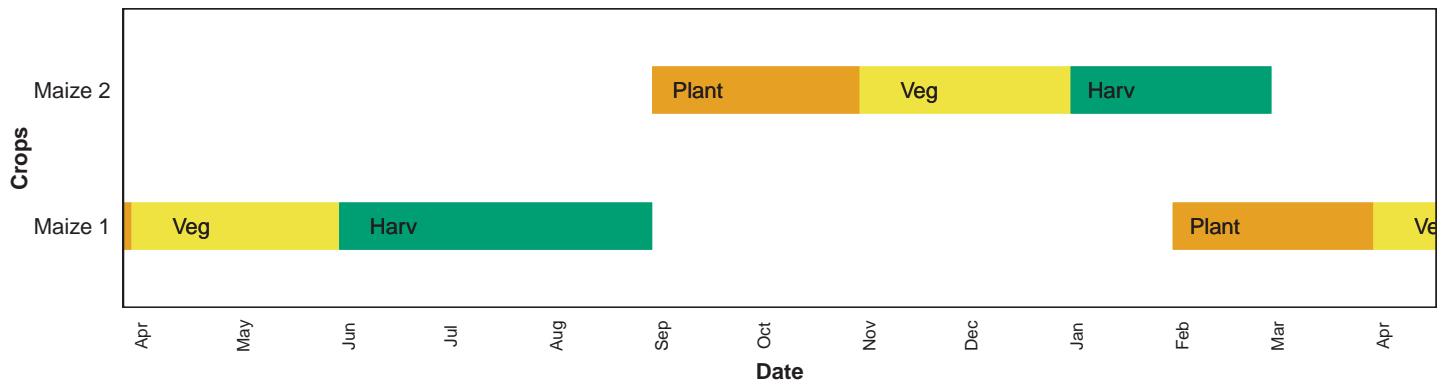


Rwanda

Rwanda cases over time



Rwanda



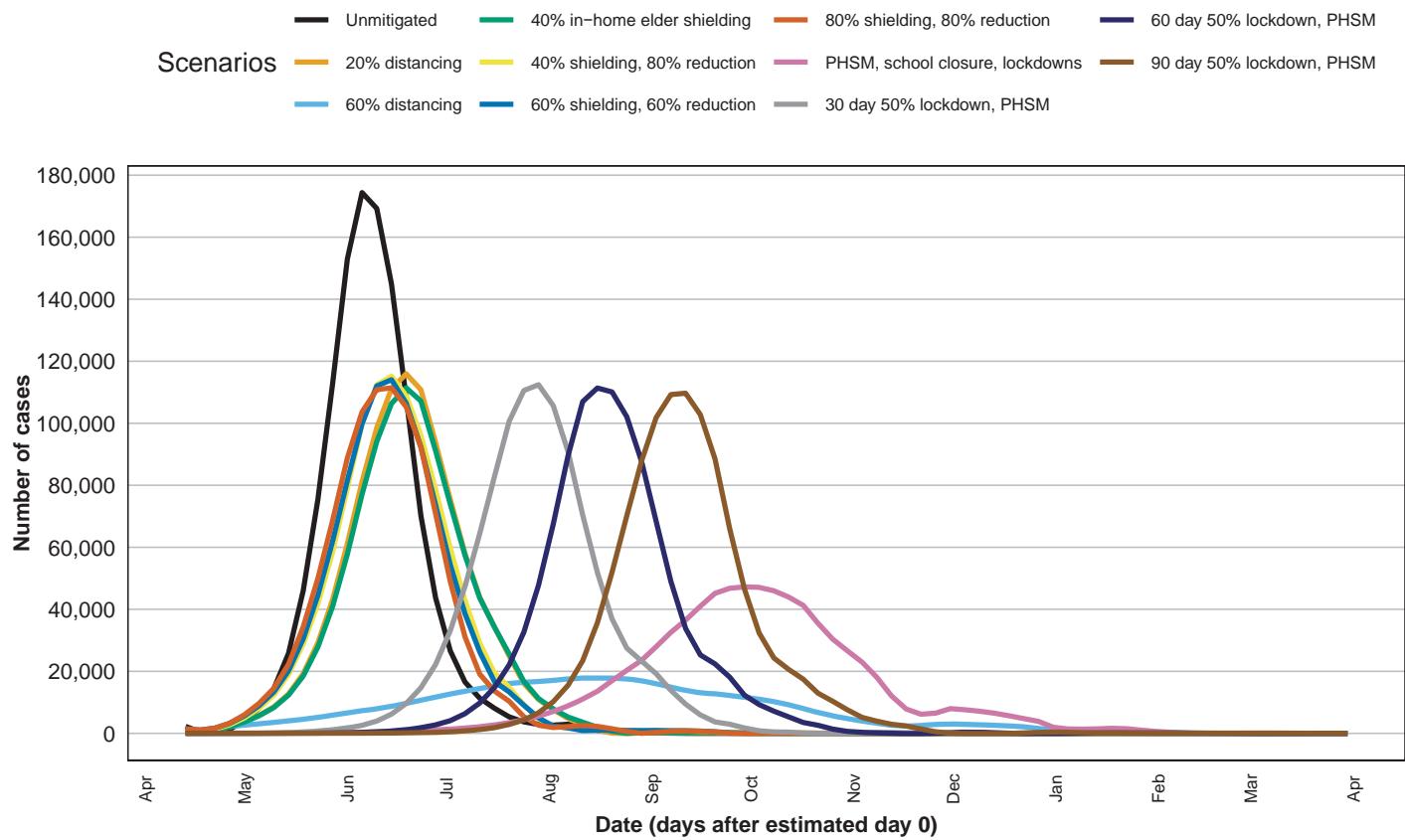
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

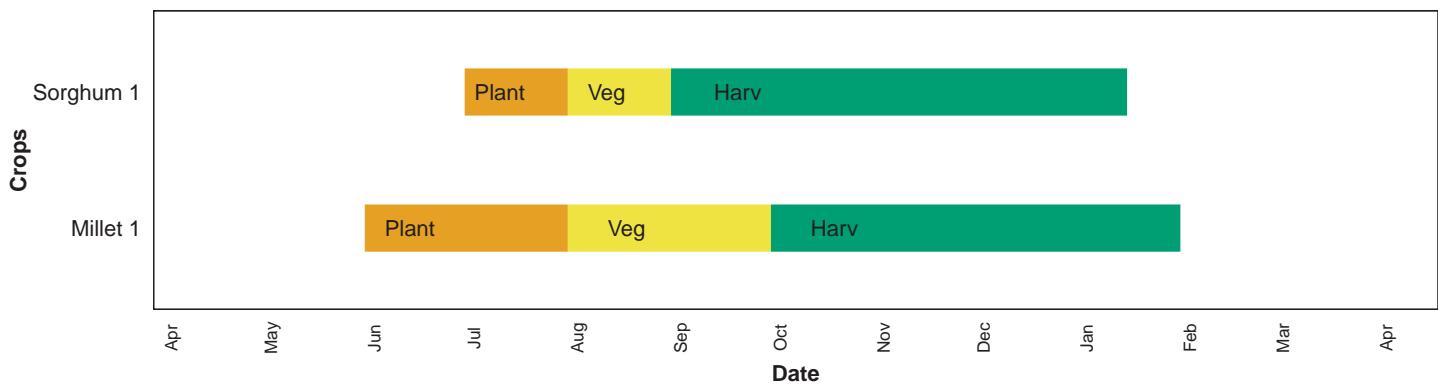


Senegal

Senegal cases over time



Senegal East



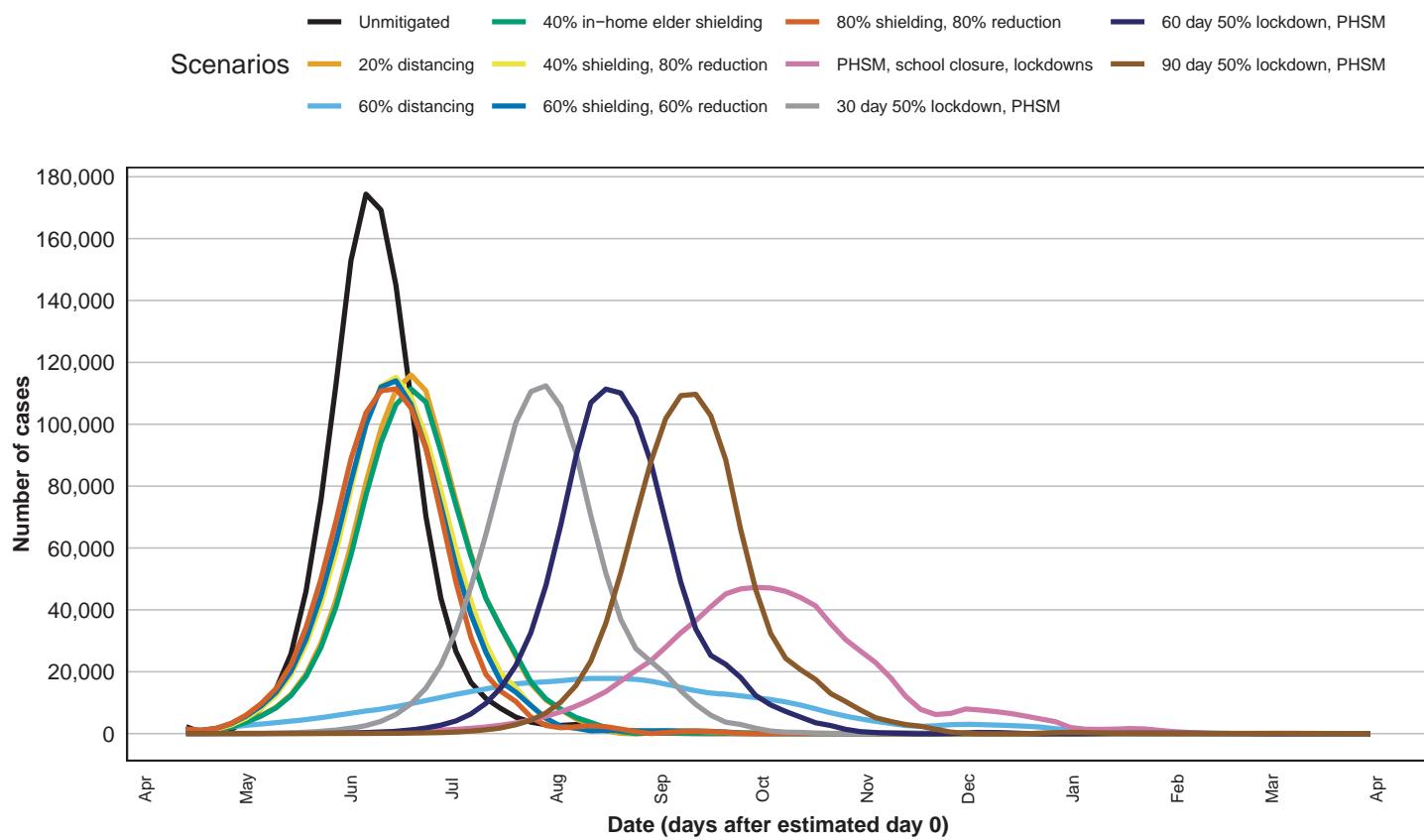
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

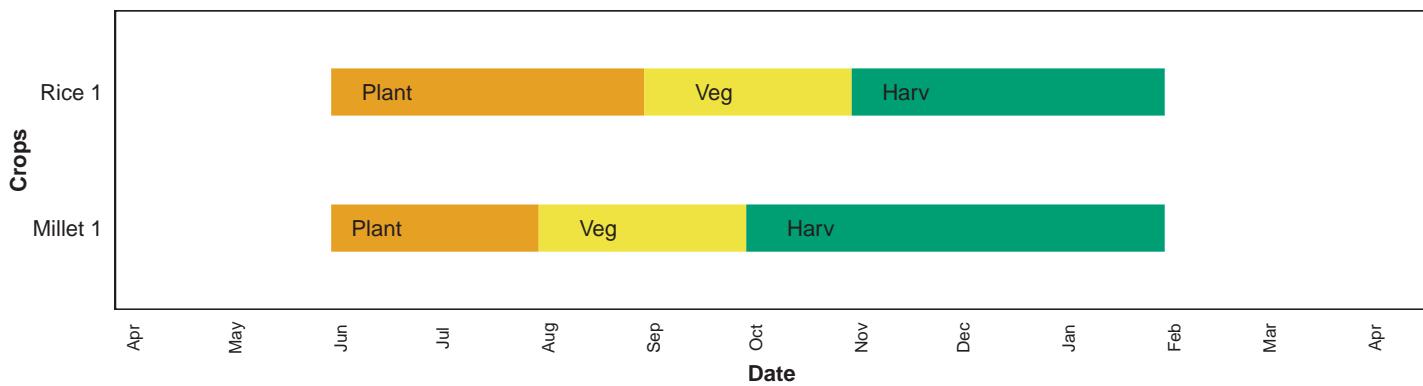


Senegal

Senegal cases over time



Senegal North Central



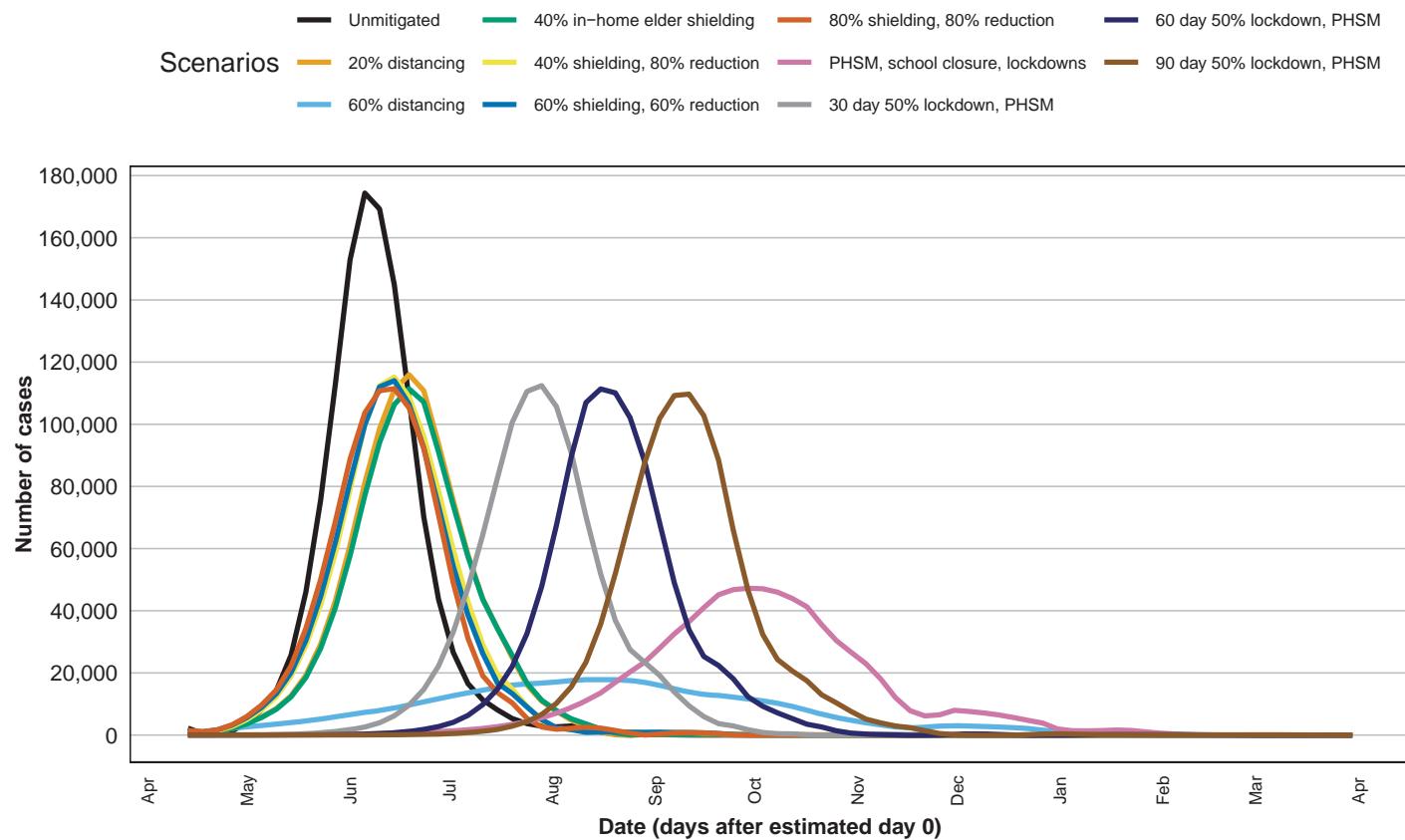
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

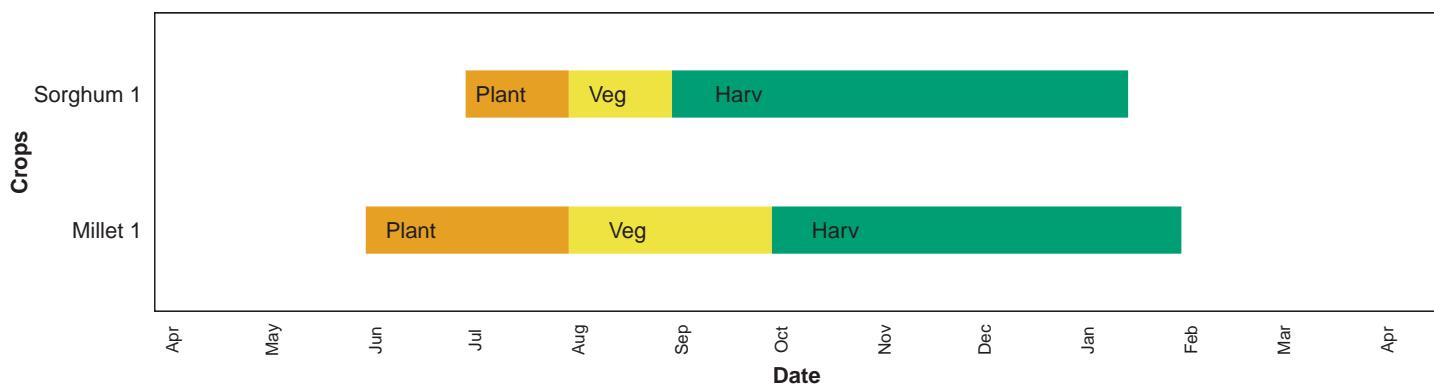


Senegal

Senegal cases over time



Senegal South East



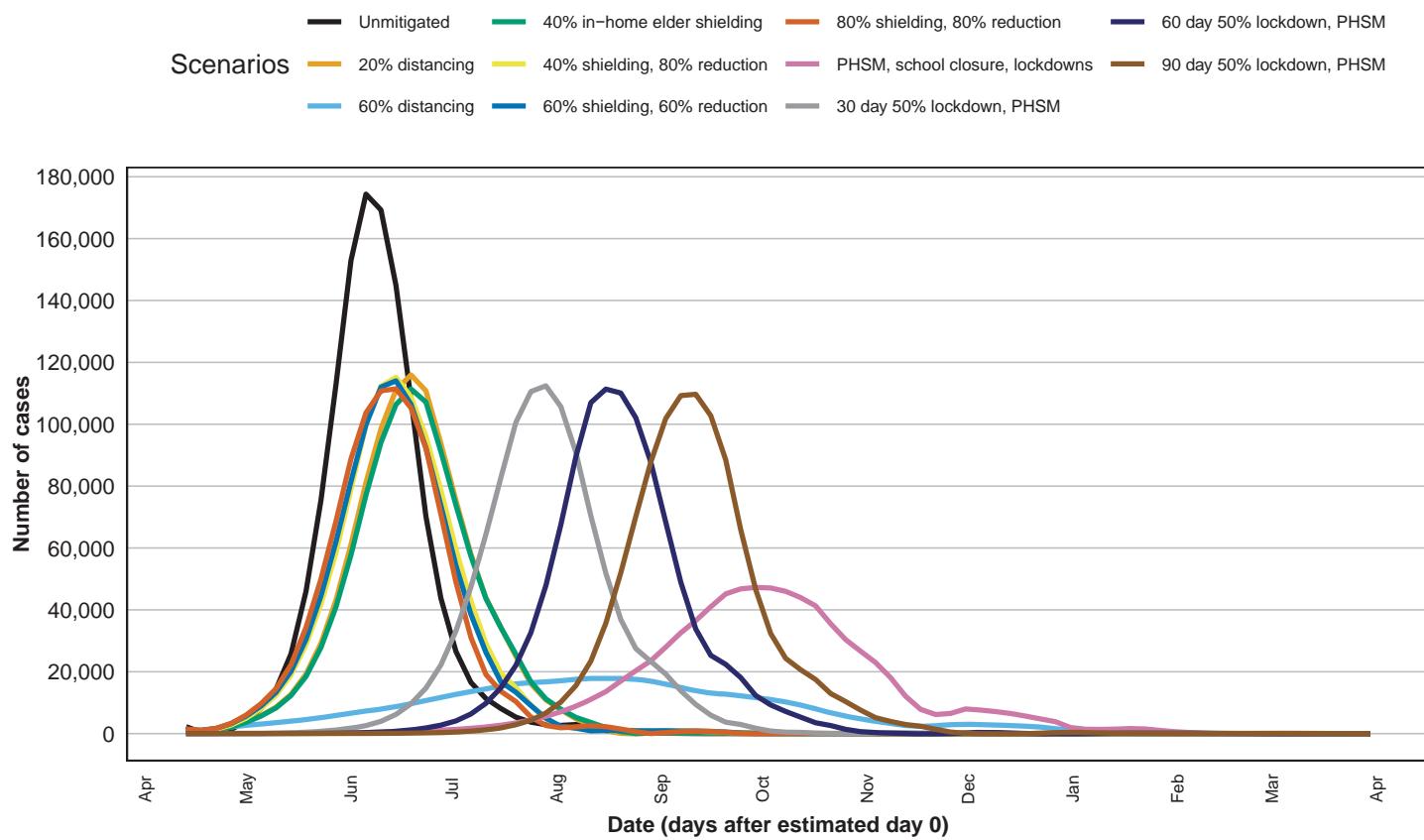
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

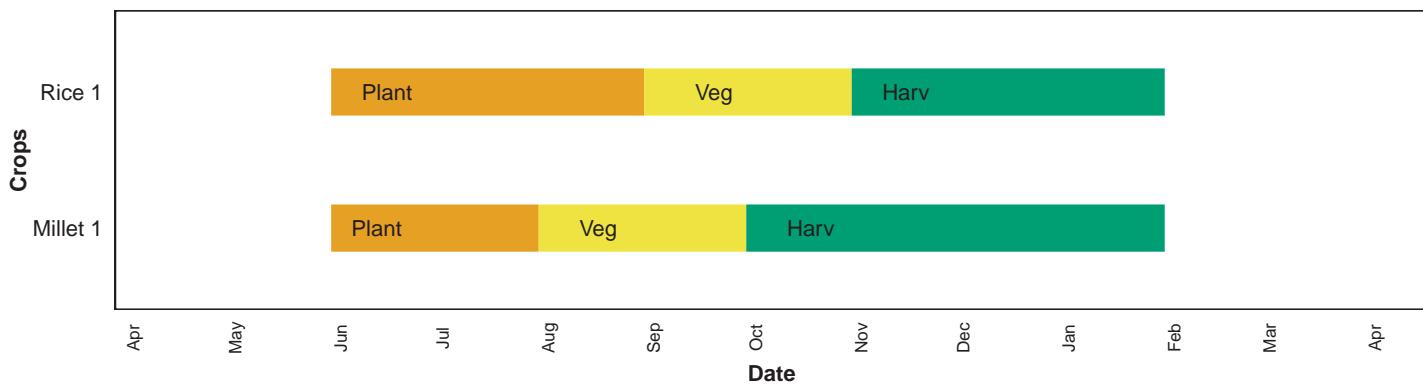


Senegal

Senegal cases over time



Senegal South West



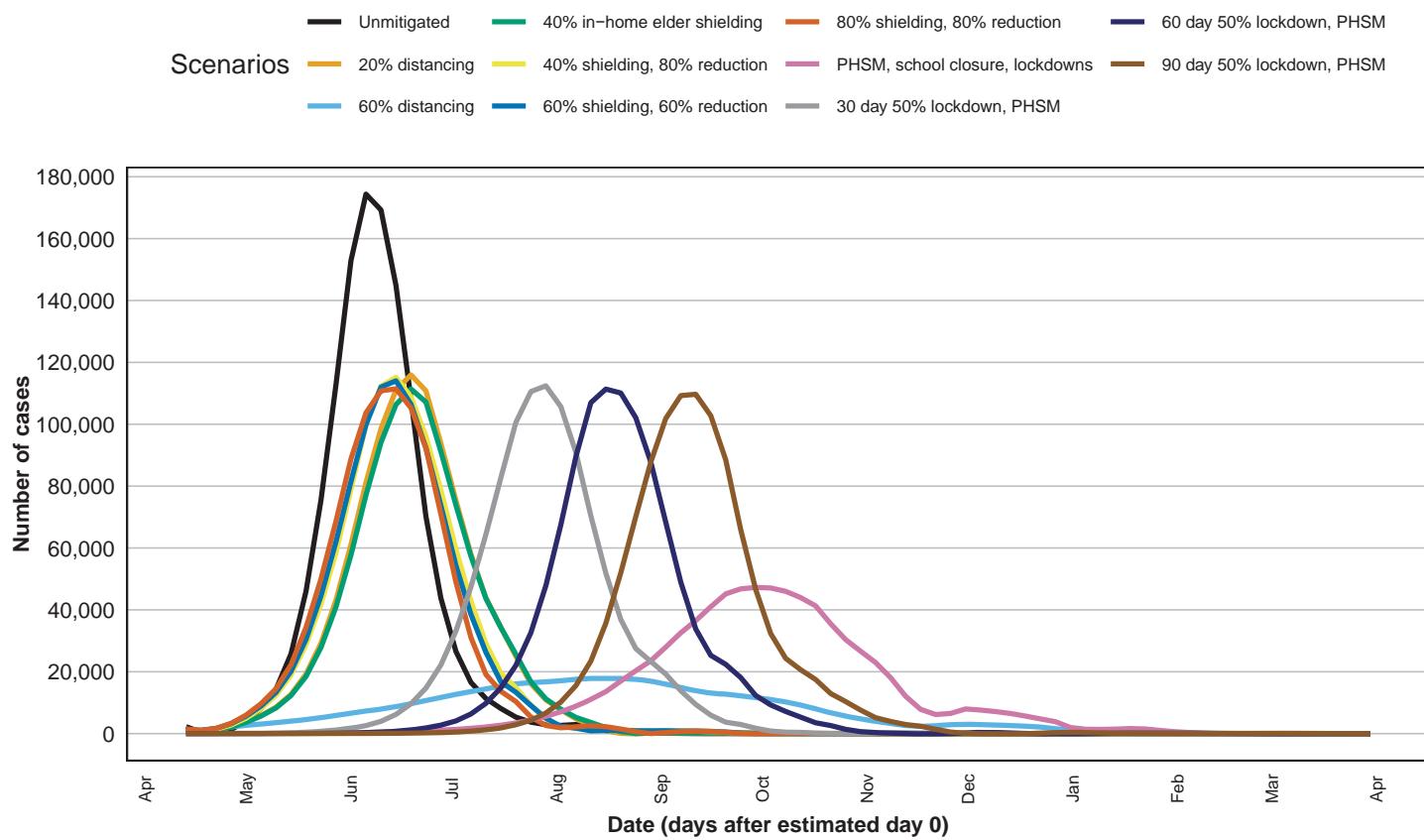
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

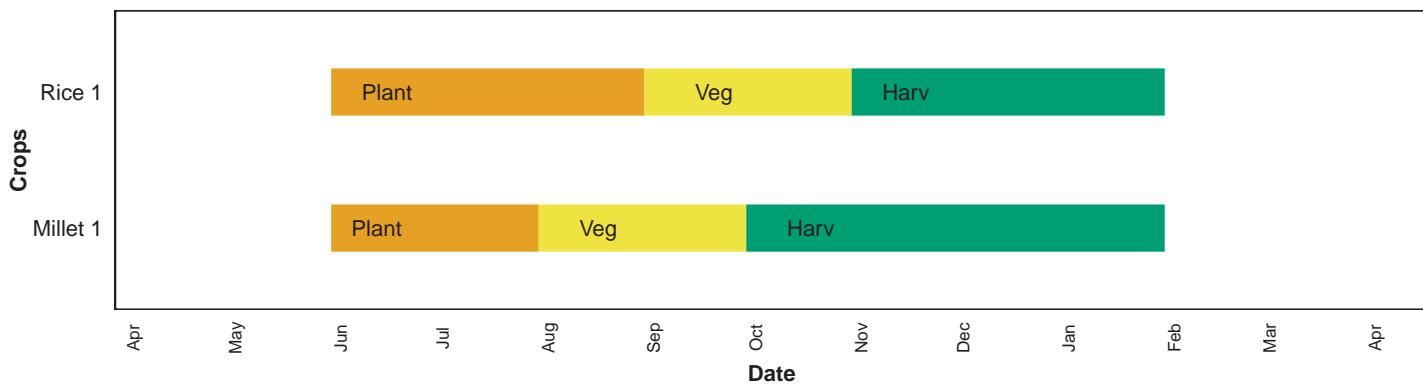


Senegal

Senegal cases over time



Senegal West



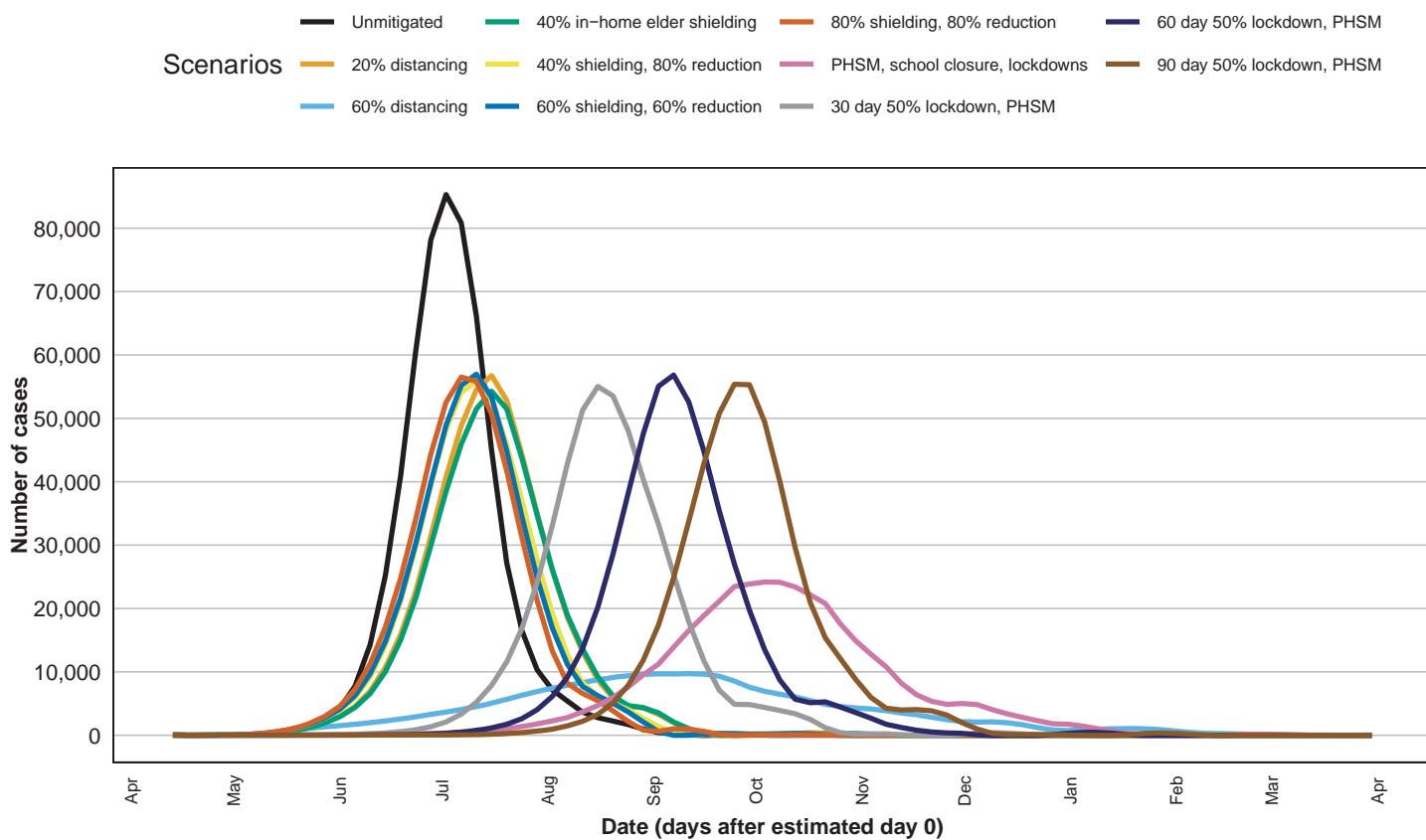
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

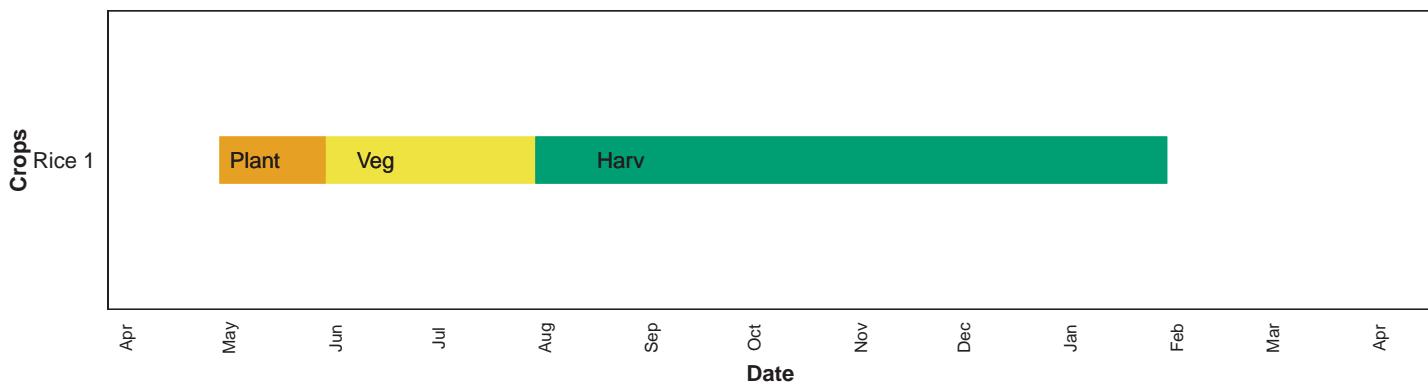


Sierra Leone

Sierra Leone cases over time



Sierra Leone



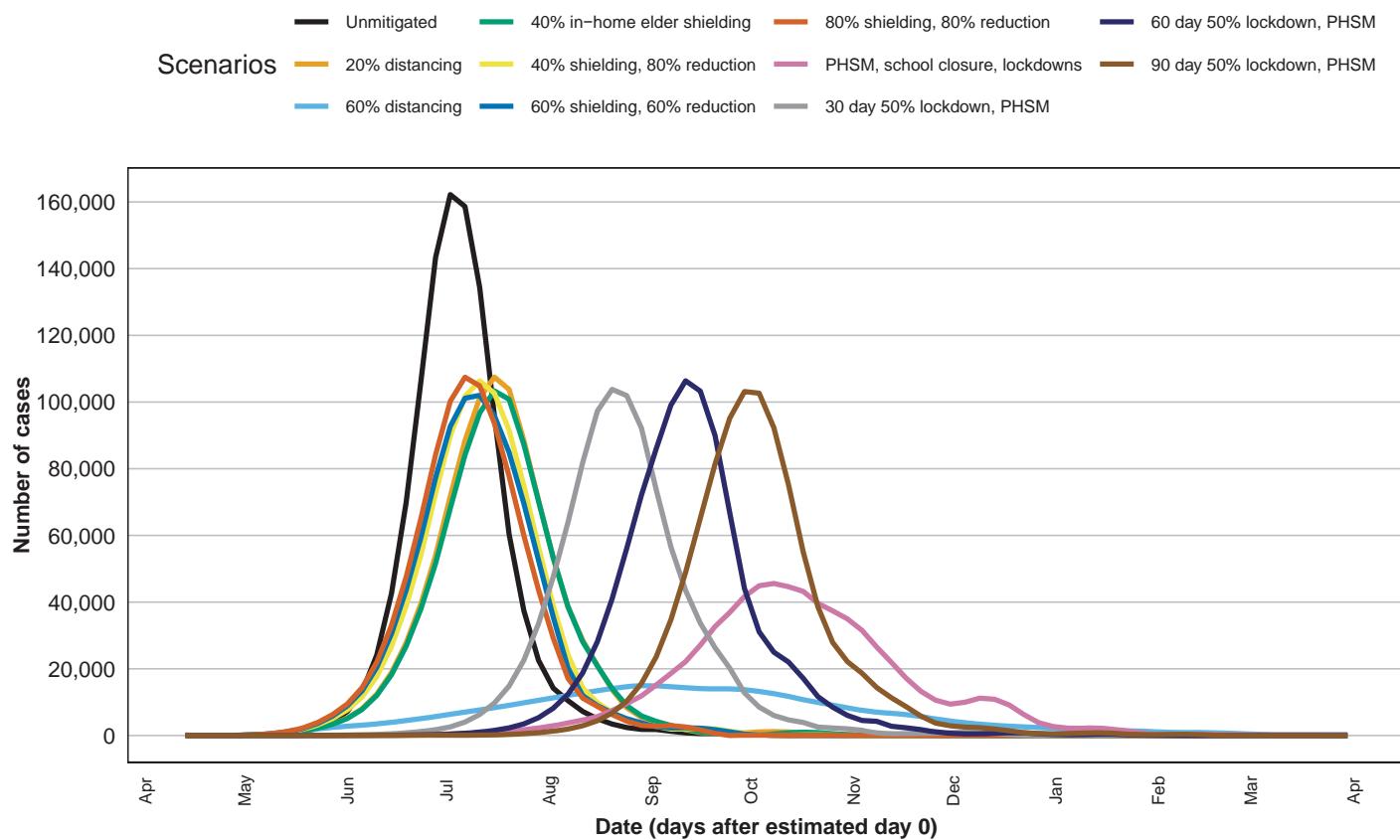
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

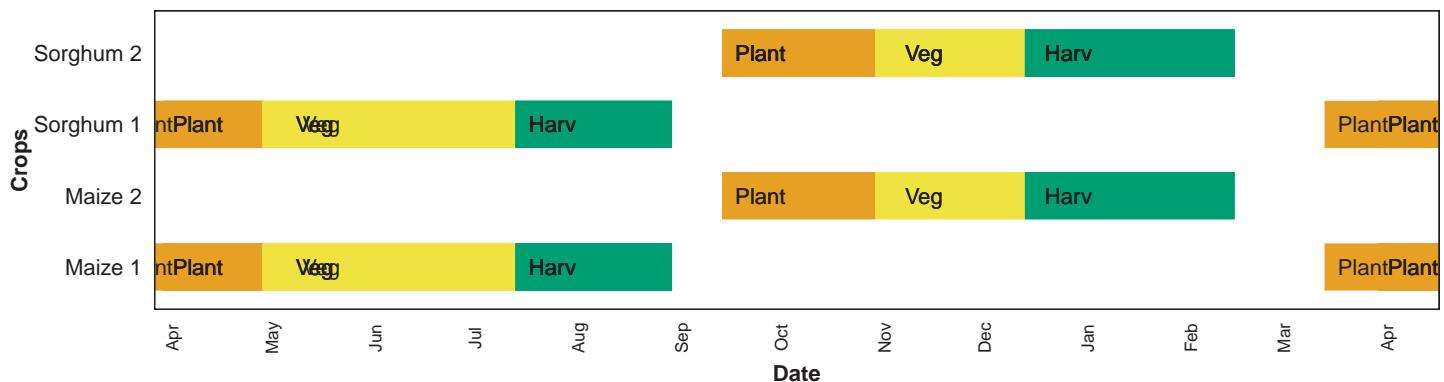


Somalia

Somalia cases over time



Somalia



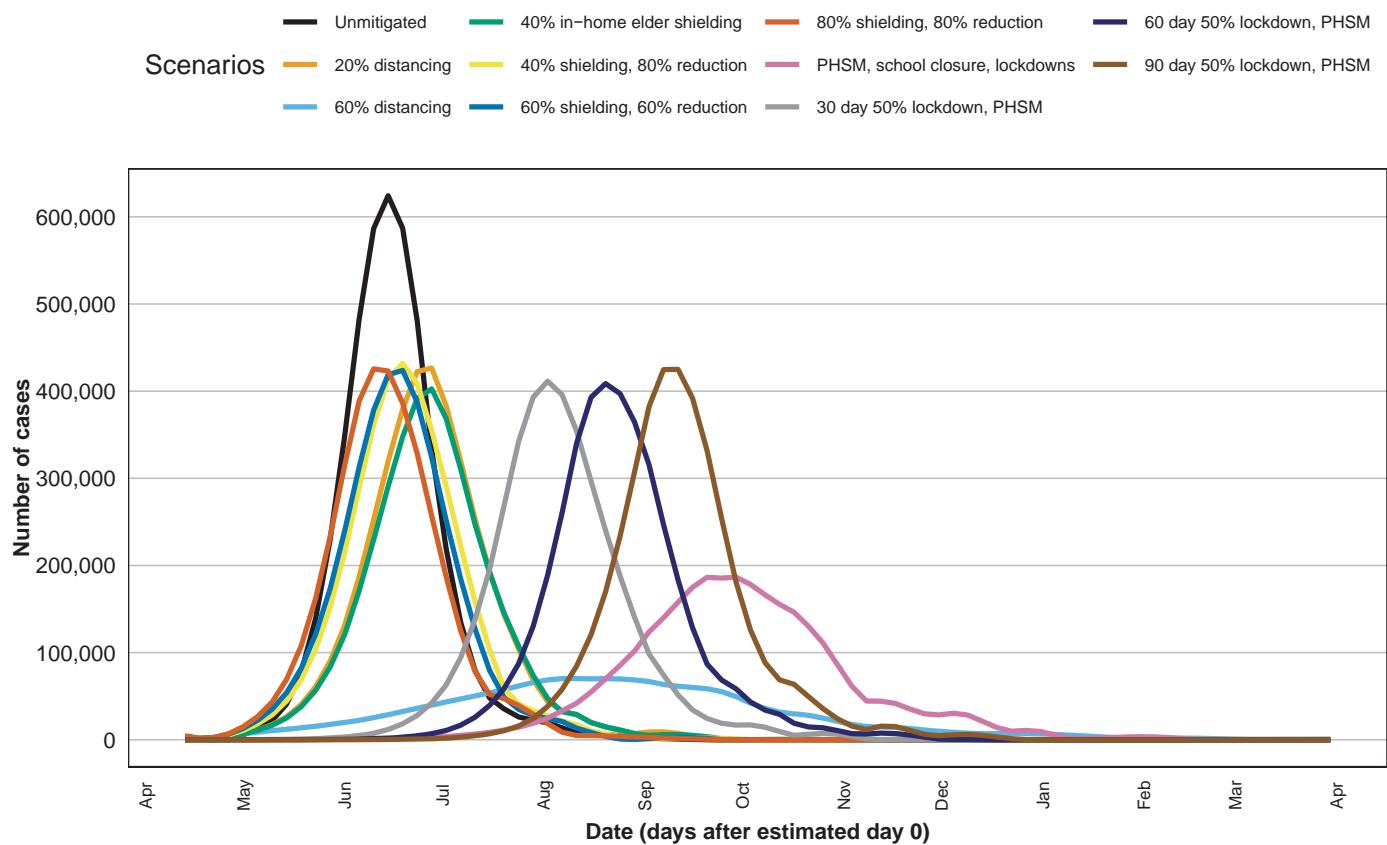
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

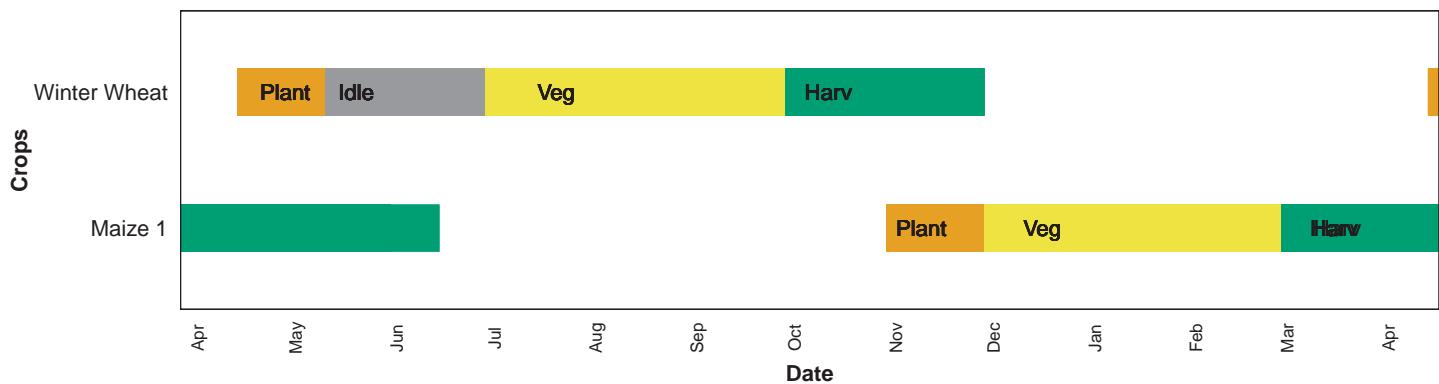


South Africa

South Africa cases over time



South Africa



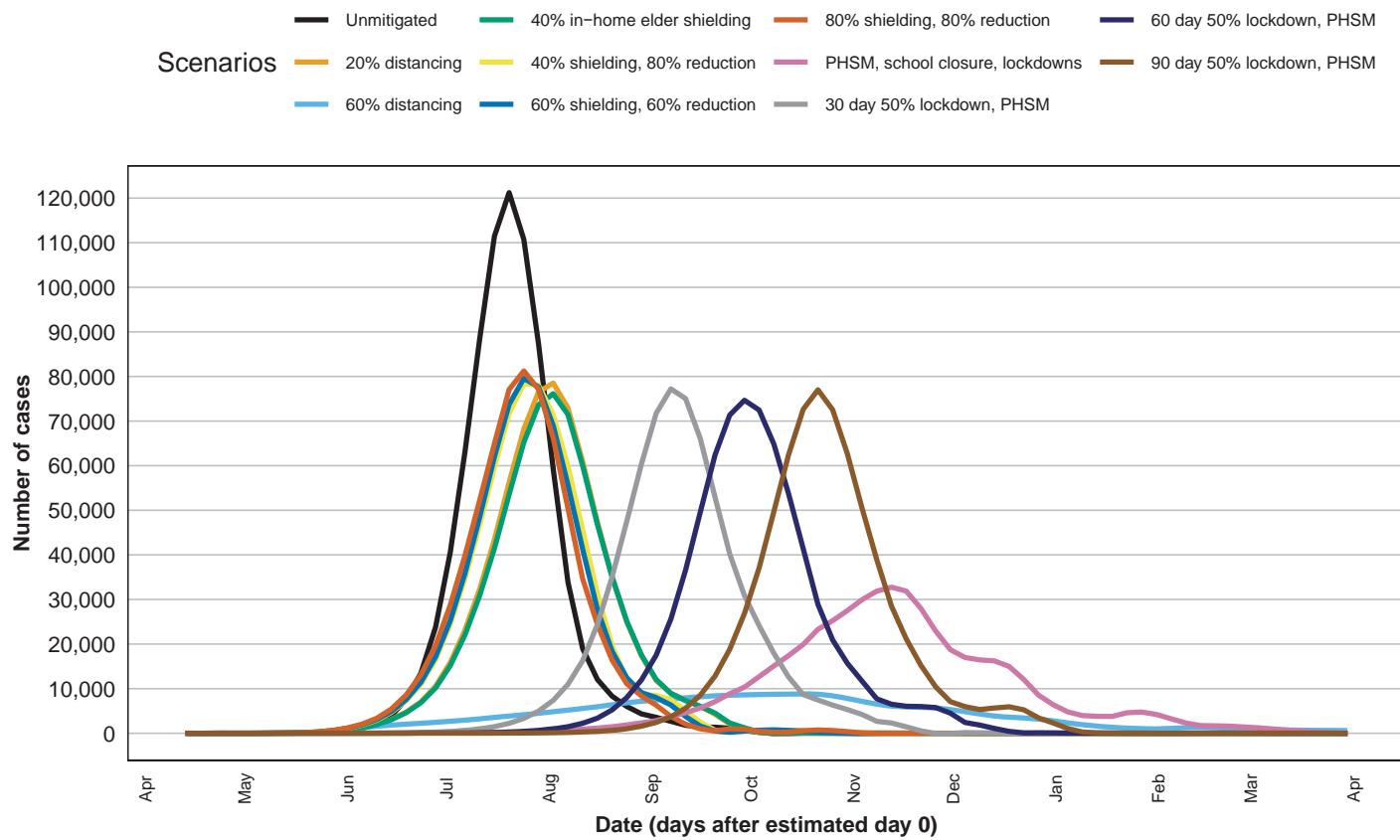
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

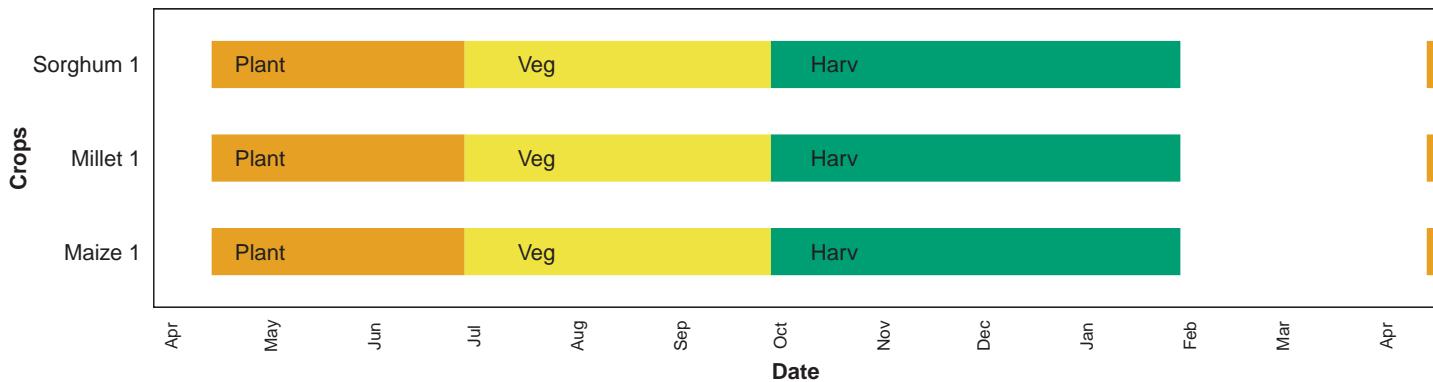


South Sudan

South Sudan cases over time



South Sudan Bahr El Ghazal



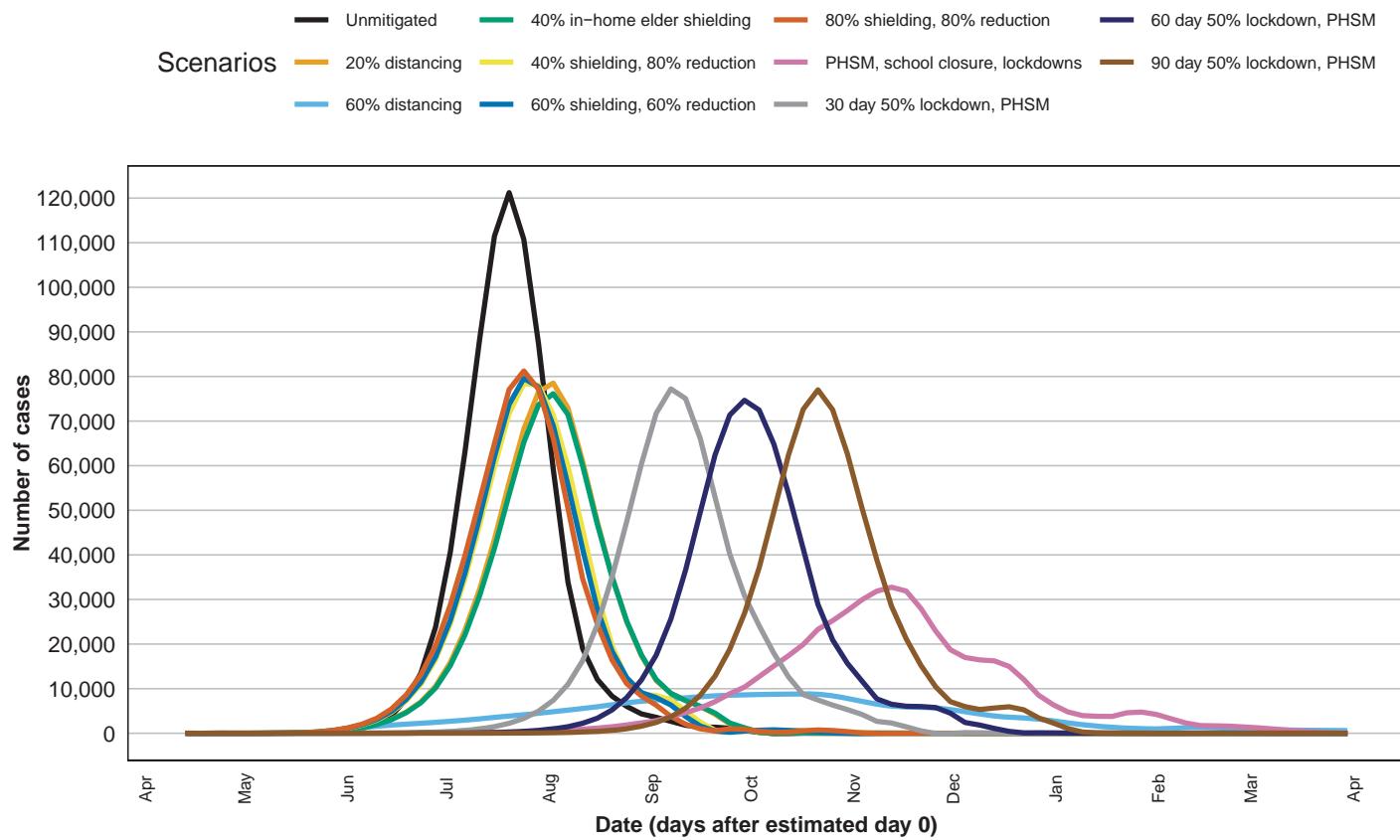
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

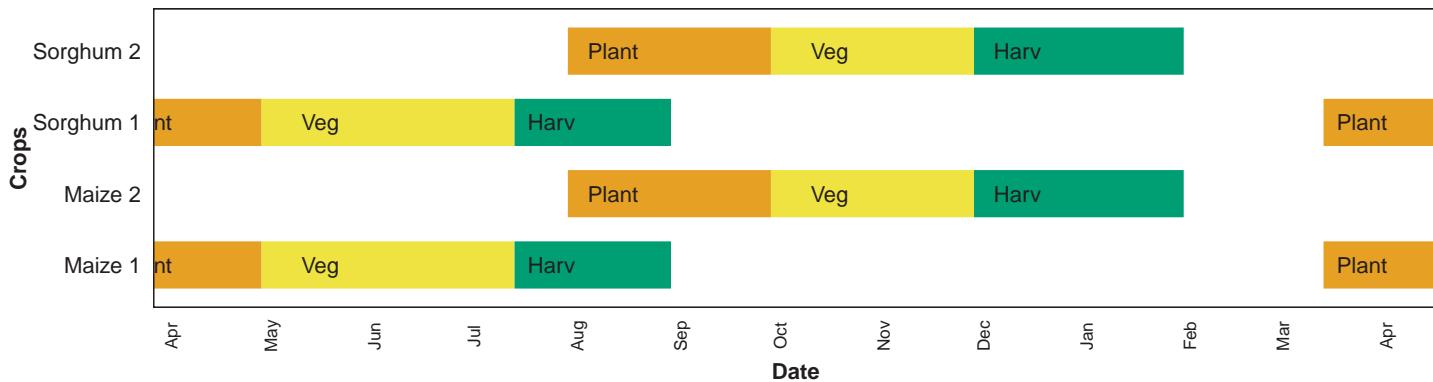


South Sudan

South Sudan cases over time

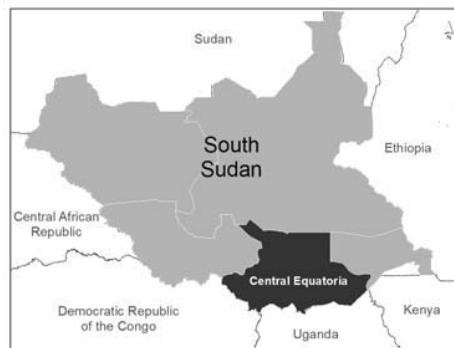


South Sudan Central Equatoria



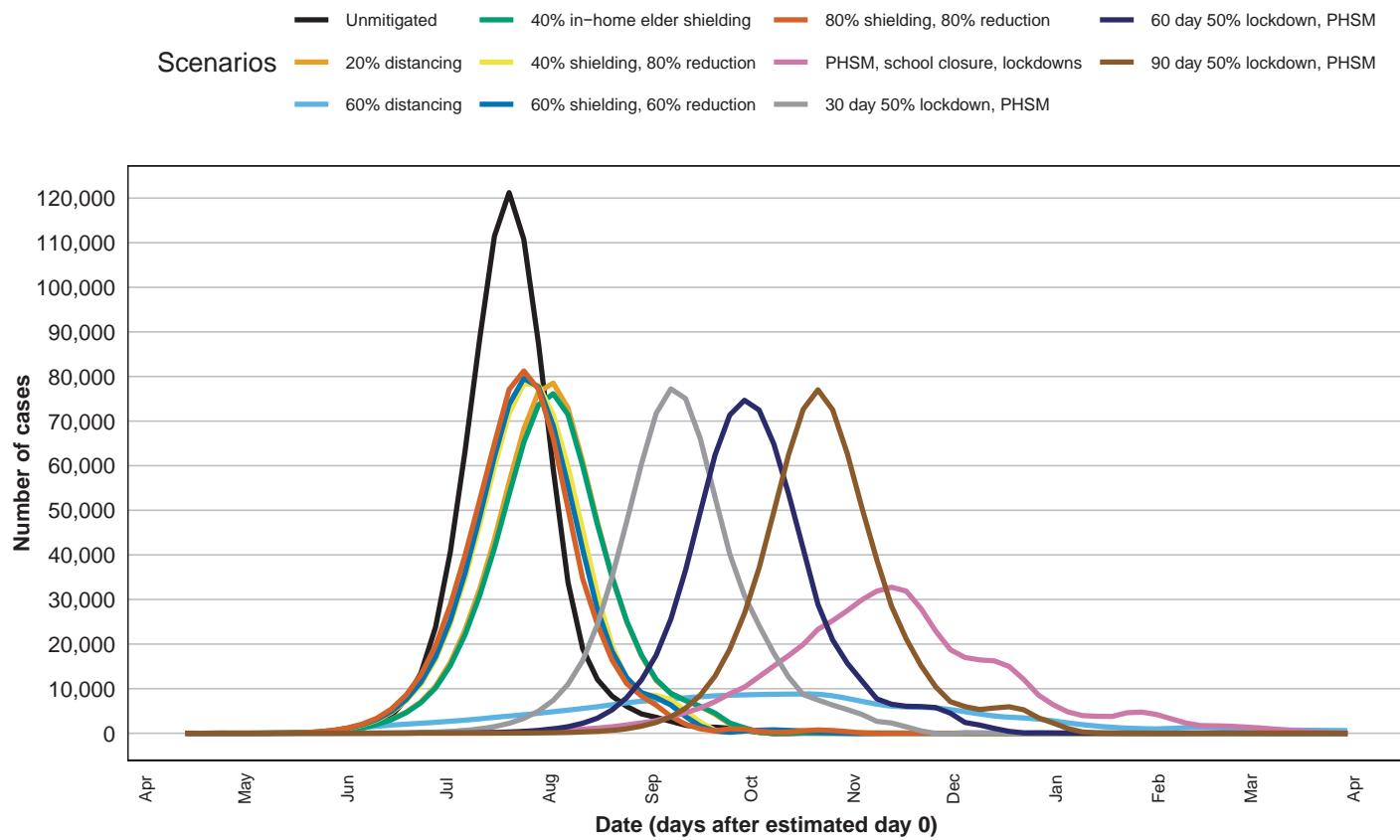
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

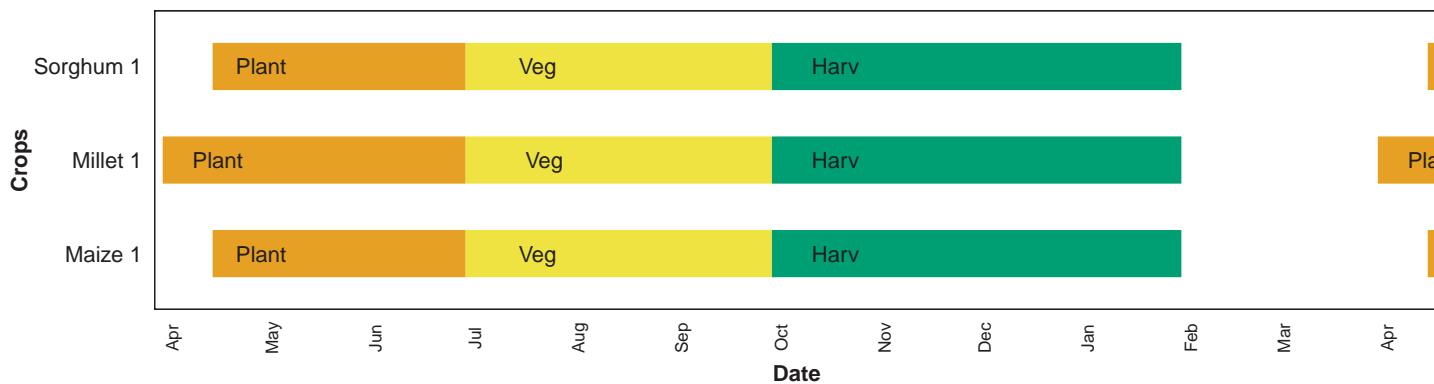


South Sudan

South Sudan cases over time

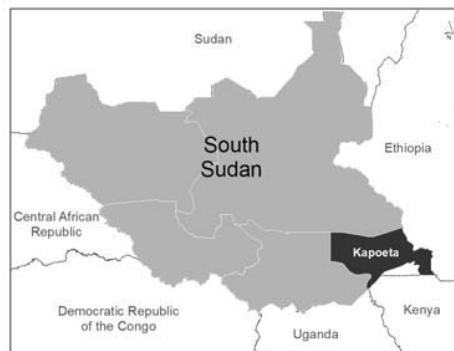


South Sudan Kapoeta



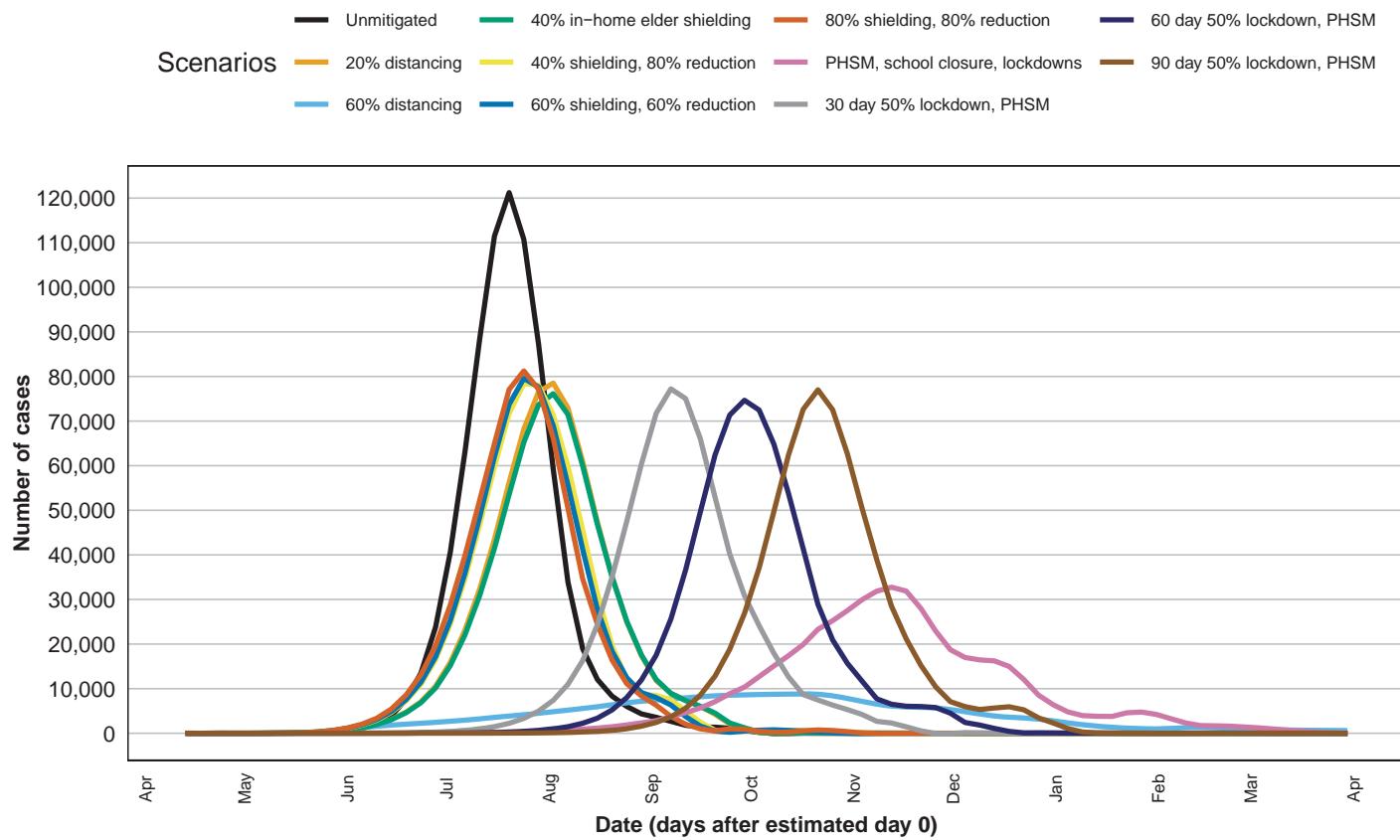
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

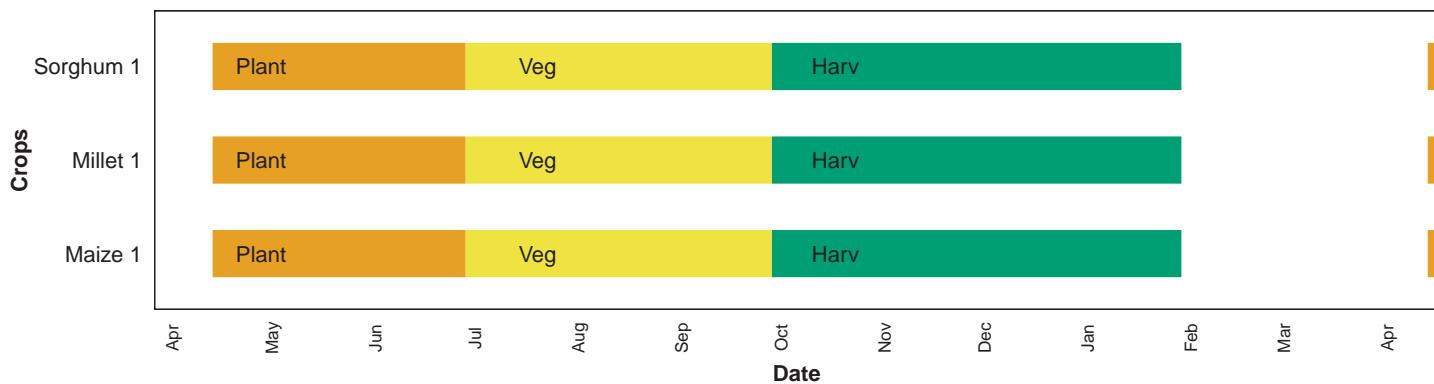


South Sudan

South Sudan cases over time



South Sudan Nile Sobat



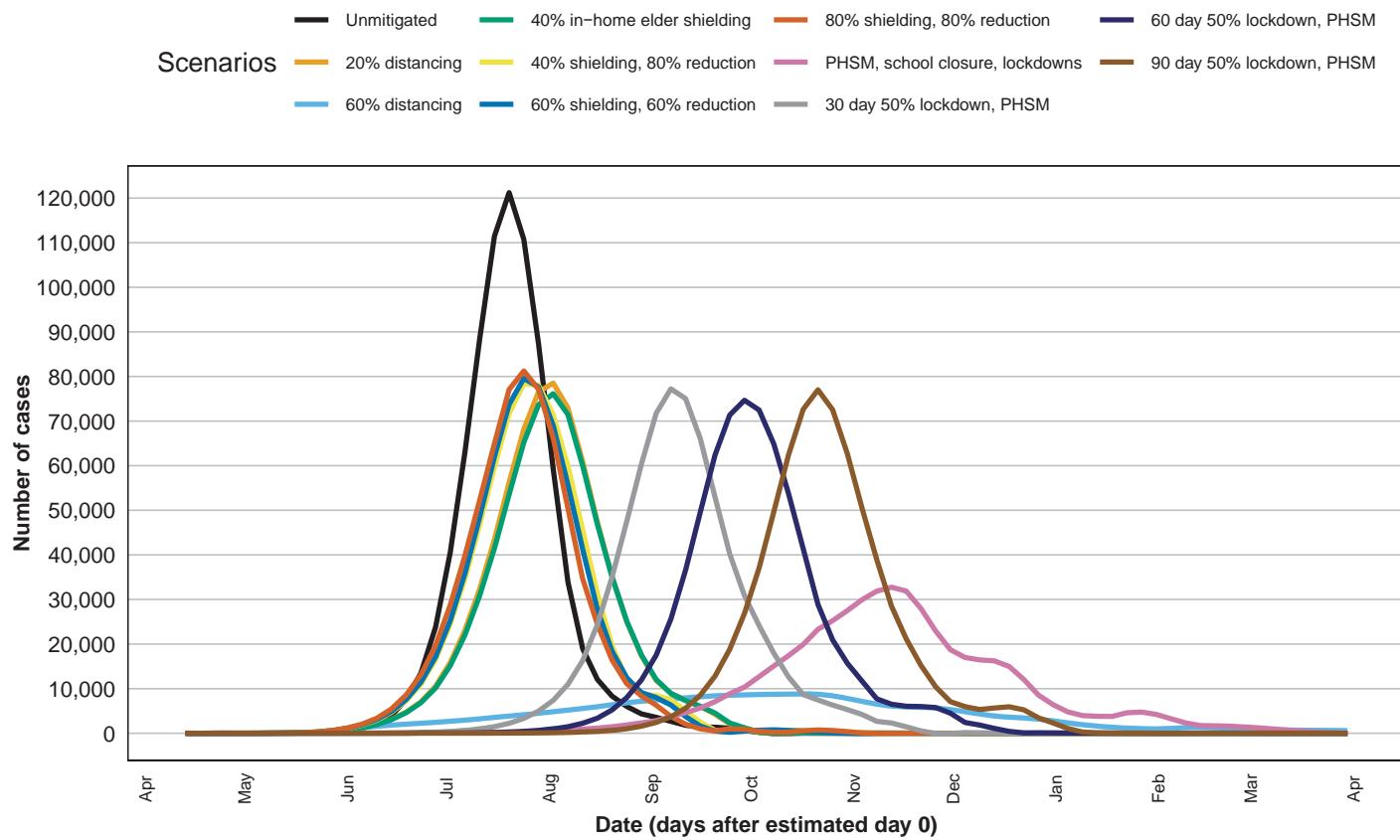
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

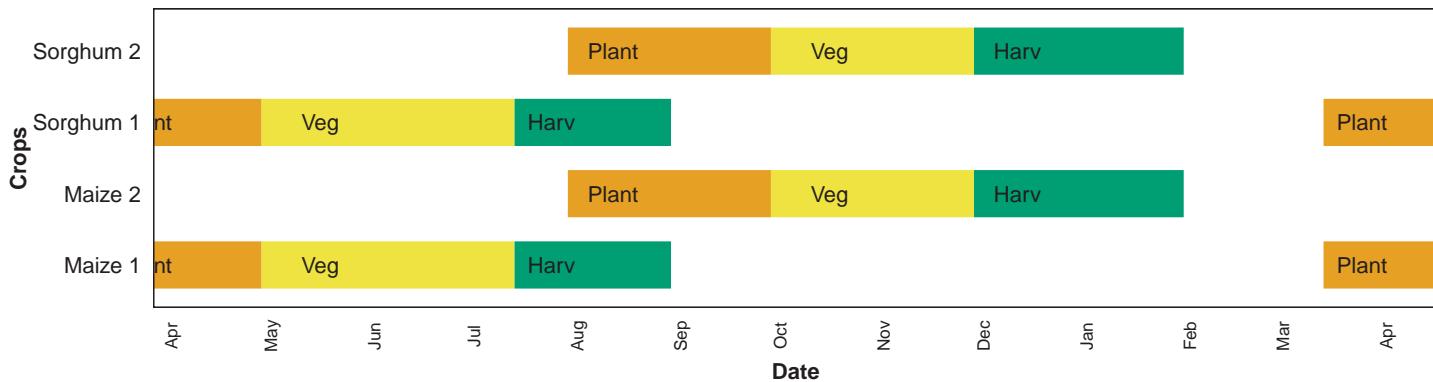


South Sudan

South Sudan cases over time

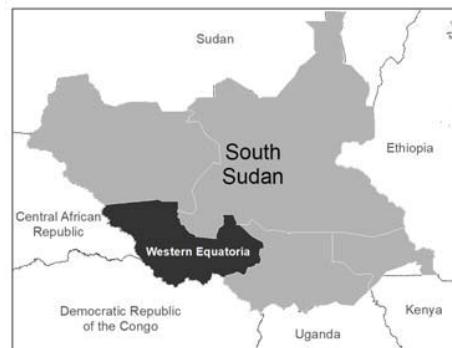


South Sudan Western Equatoria



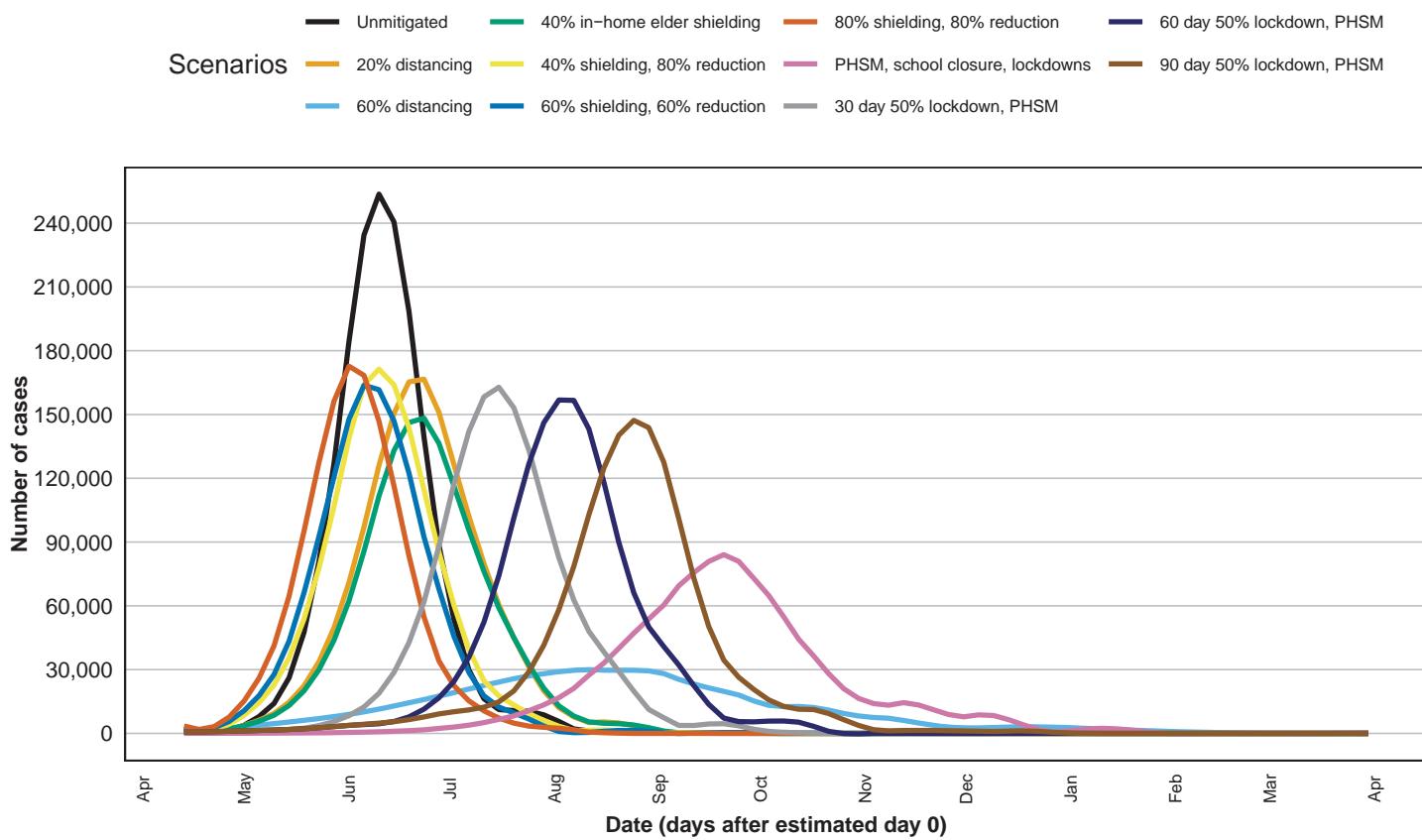
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

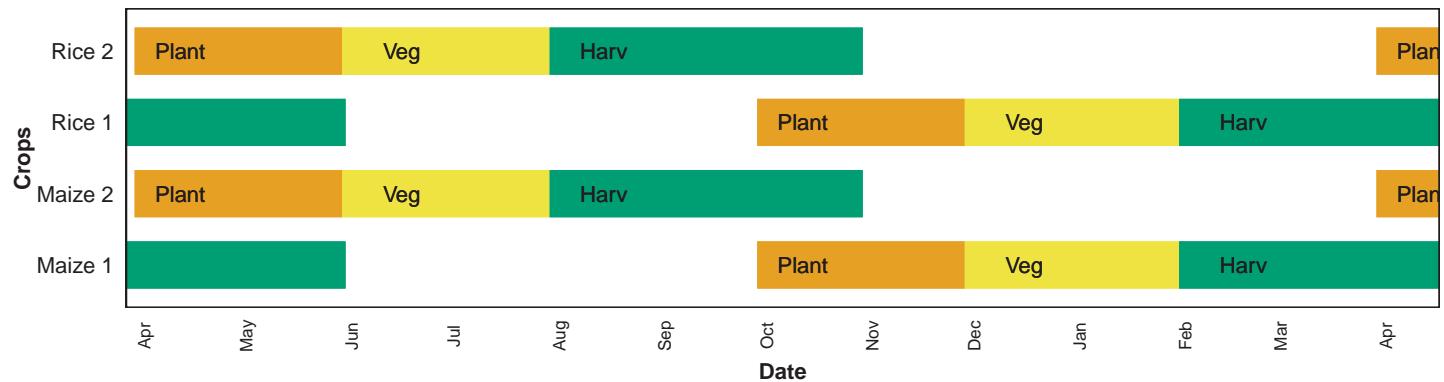


Sri Lanka

Sri Lanka cases over time



Sri Lanka



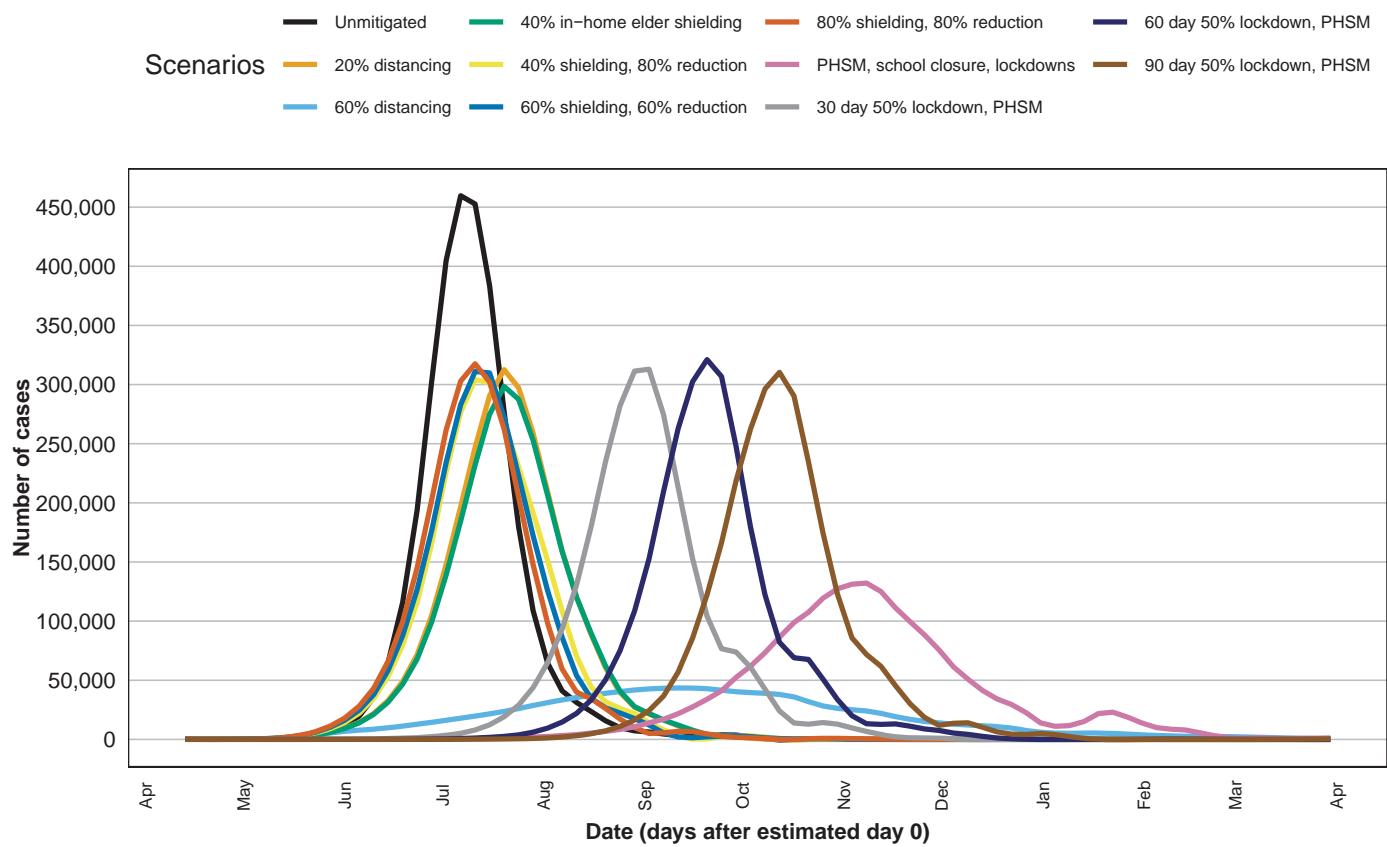
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

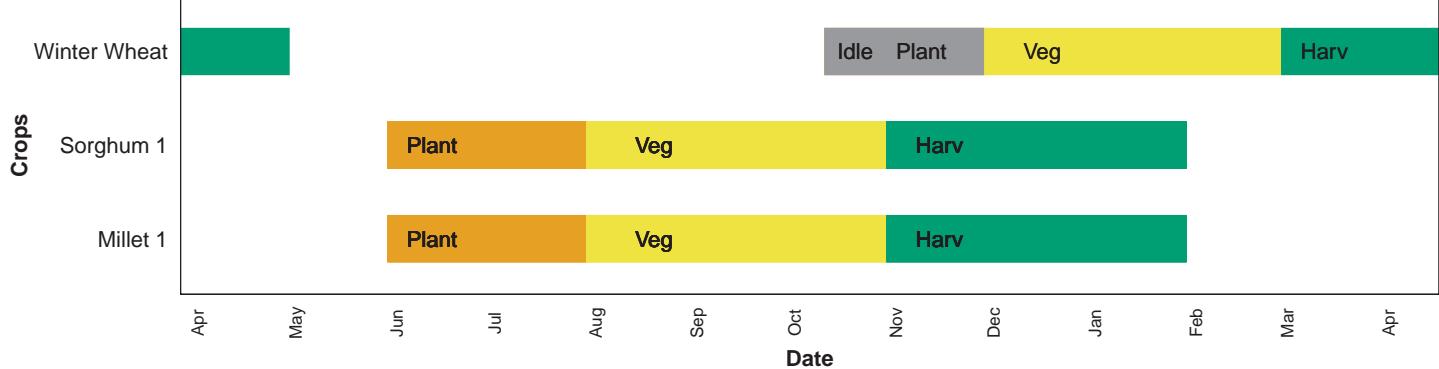


Sudan

Sudan cases over time

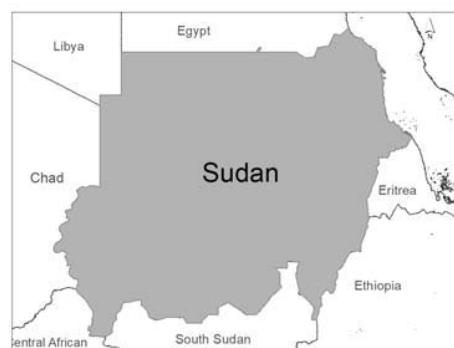


Sudan



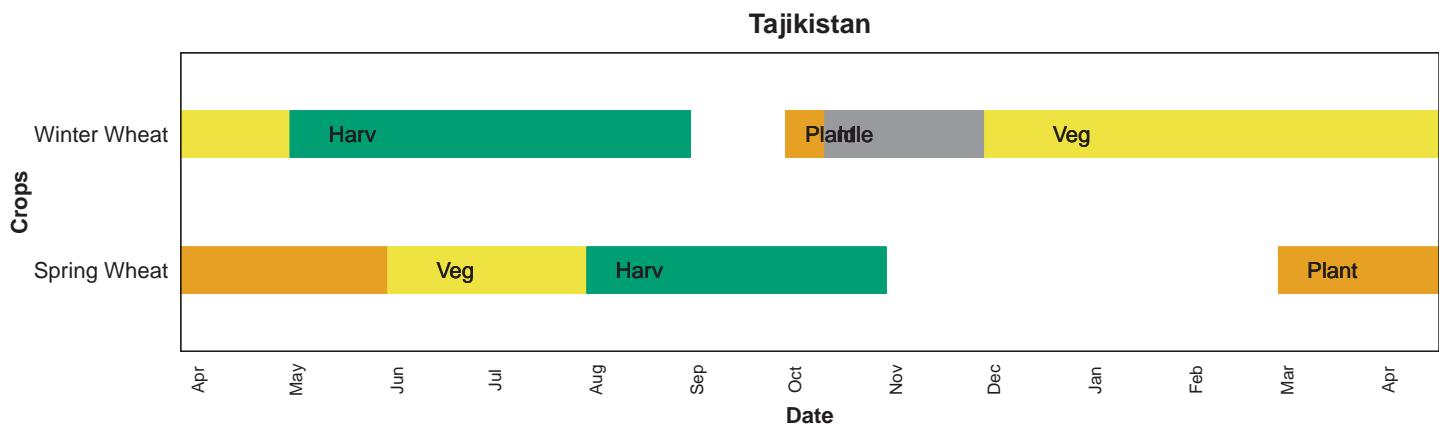
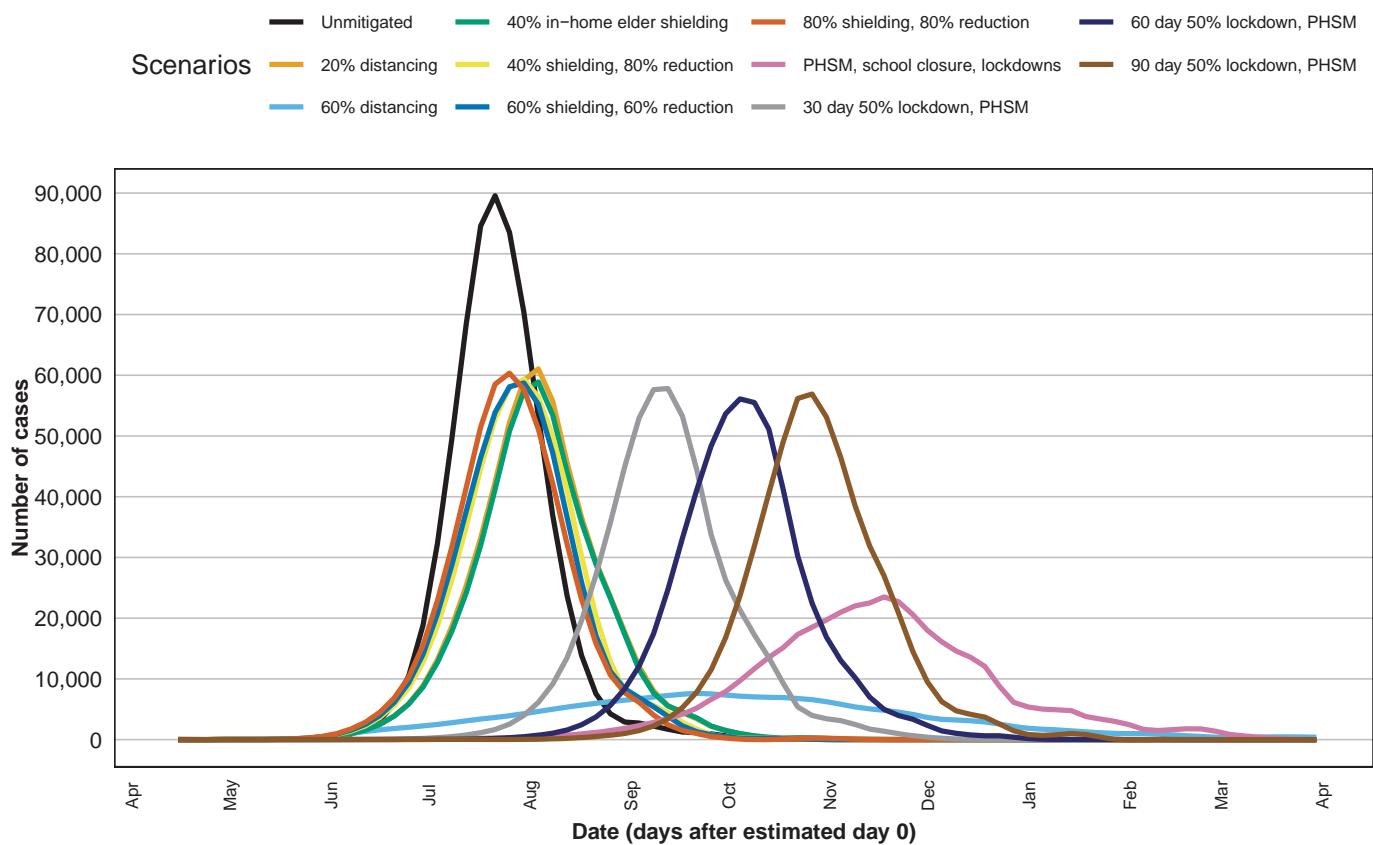
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.



Tajikistan

Tajikistan cases over time



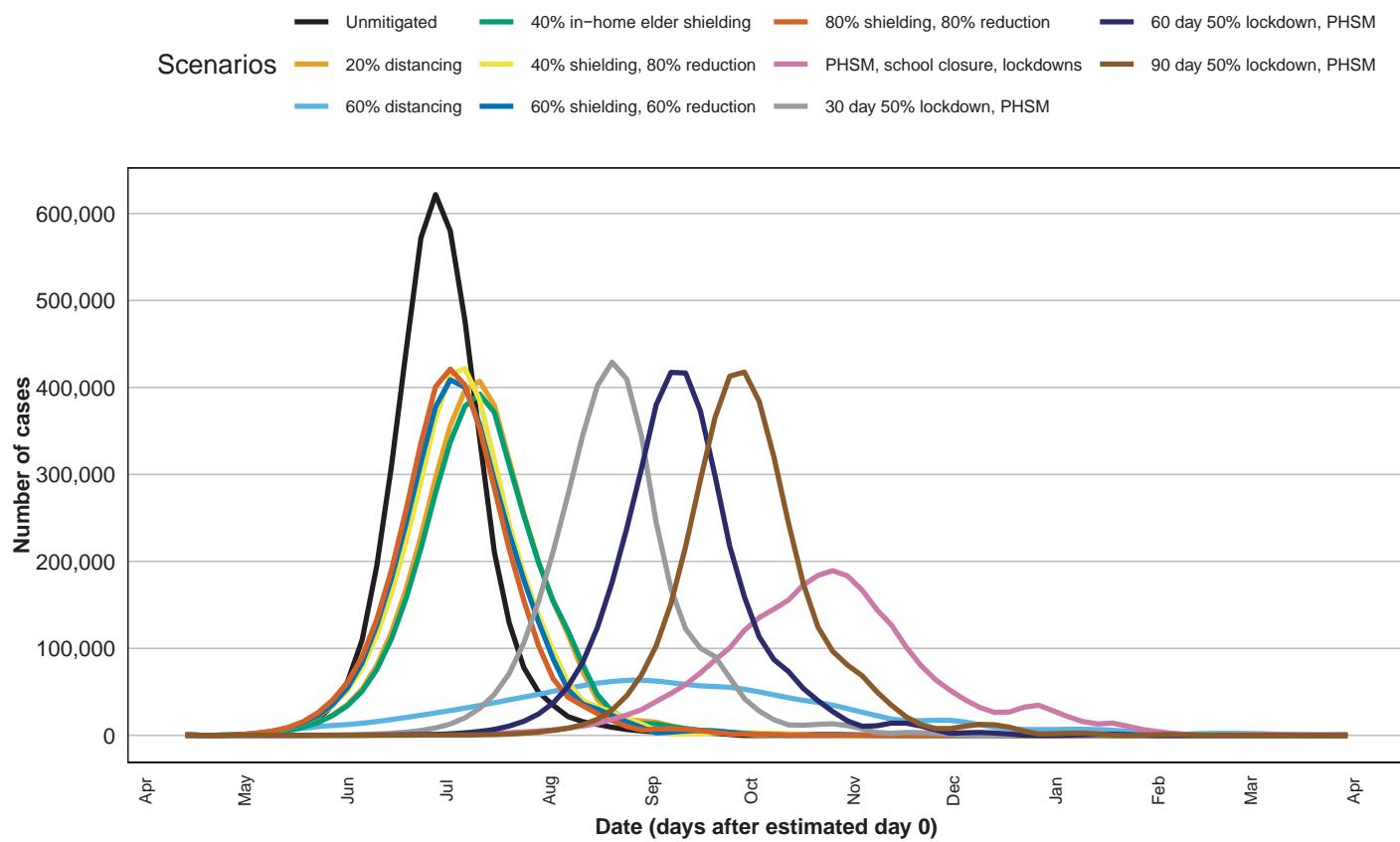
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

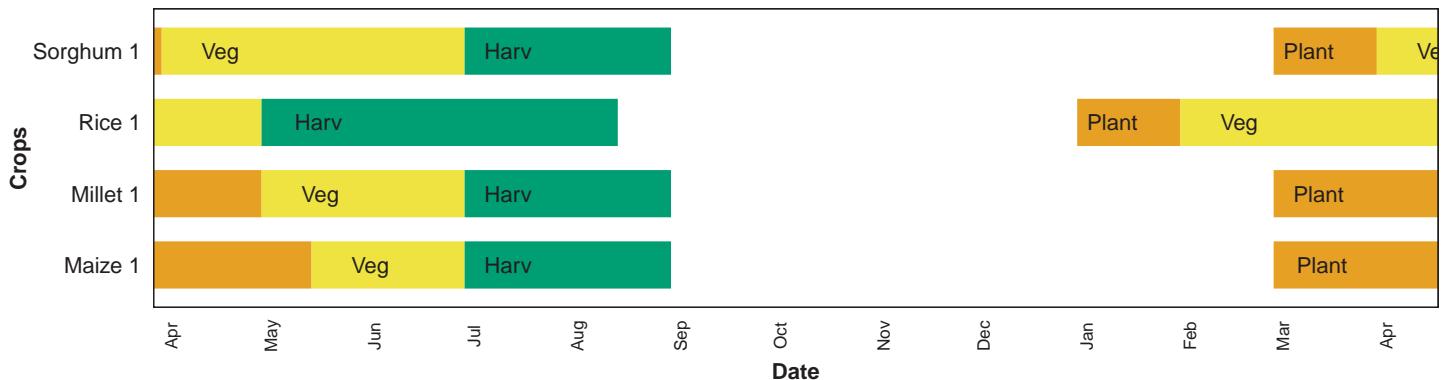


Tanzania

Tanzania cases over time



Tanzania Central



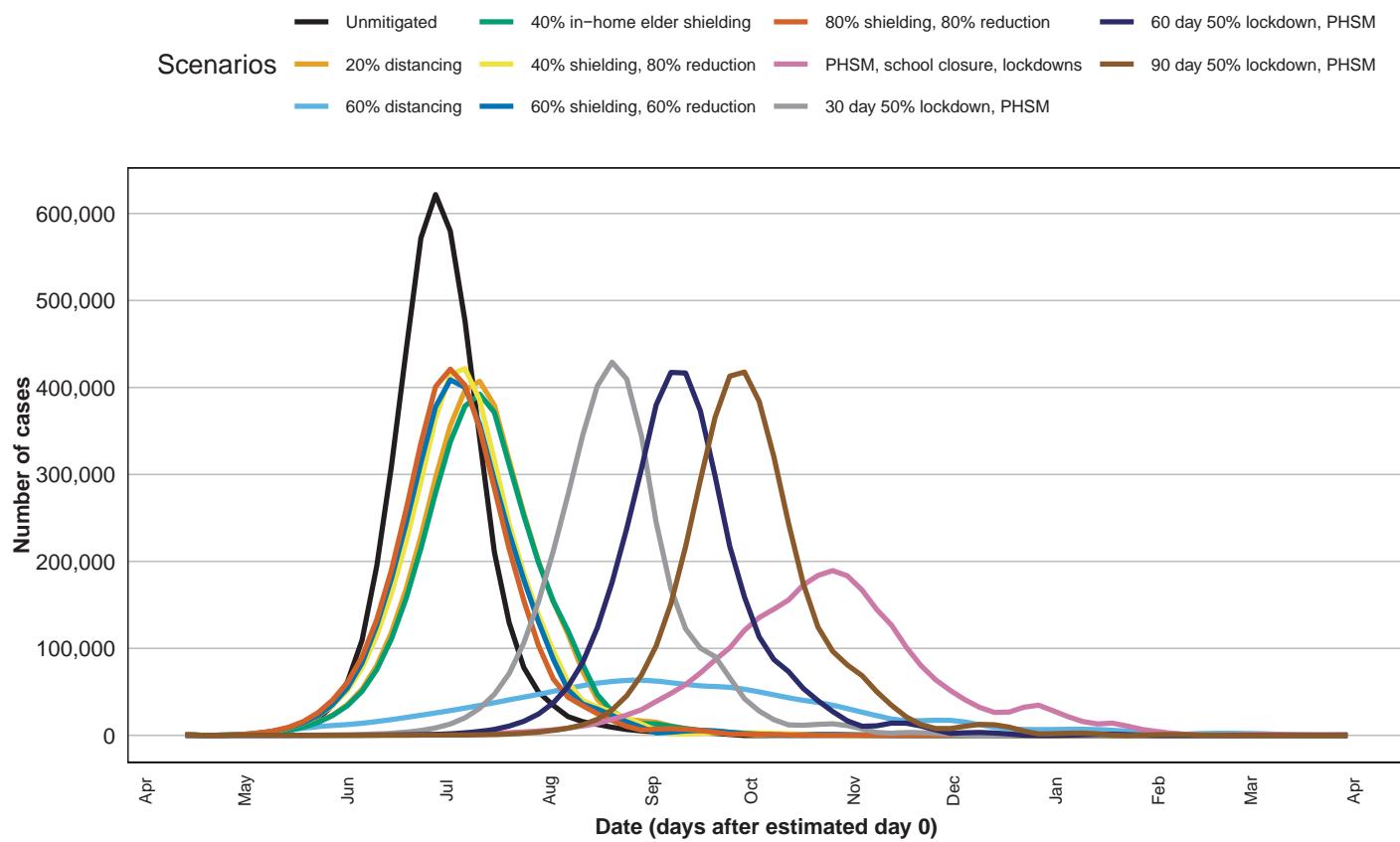
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

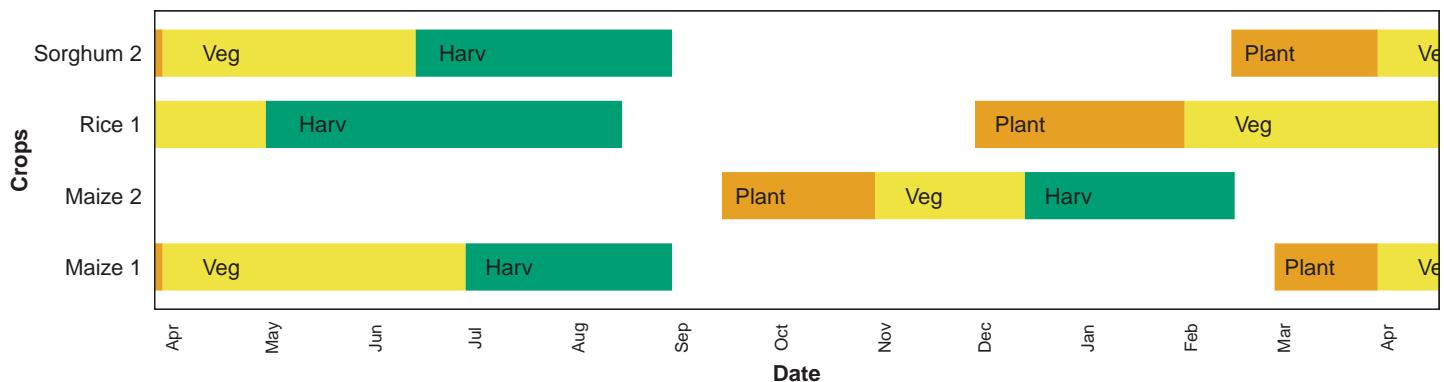


Tanzania

Tanzania cases over time



Tanzania Northeast



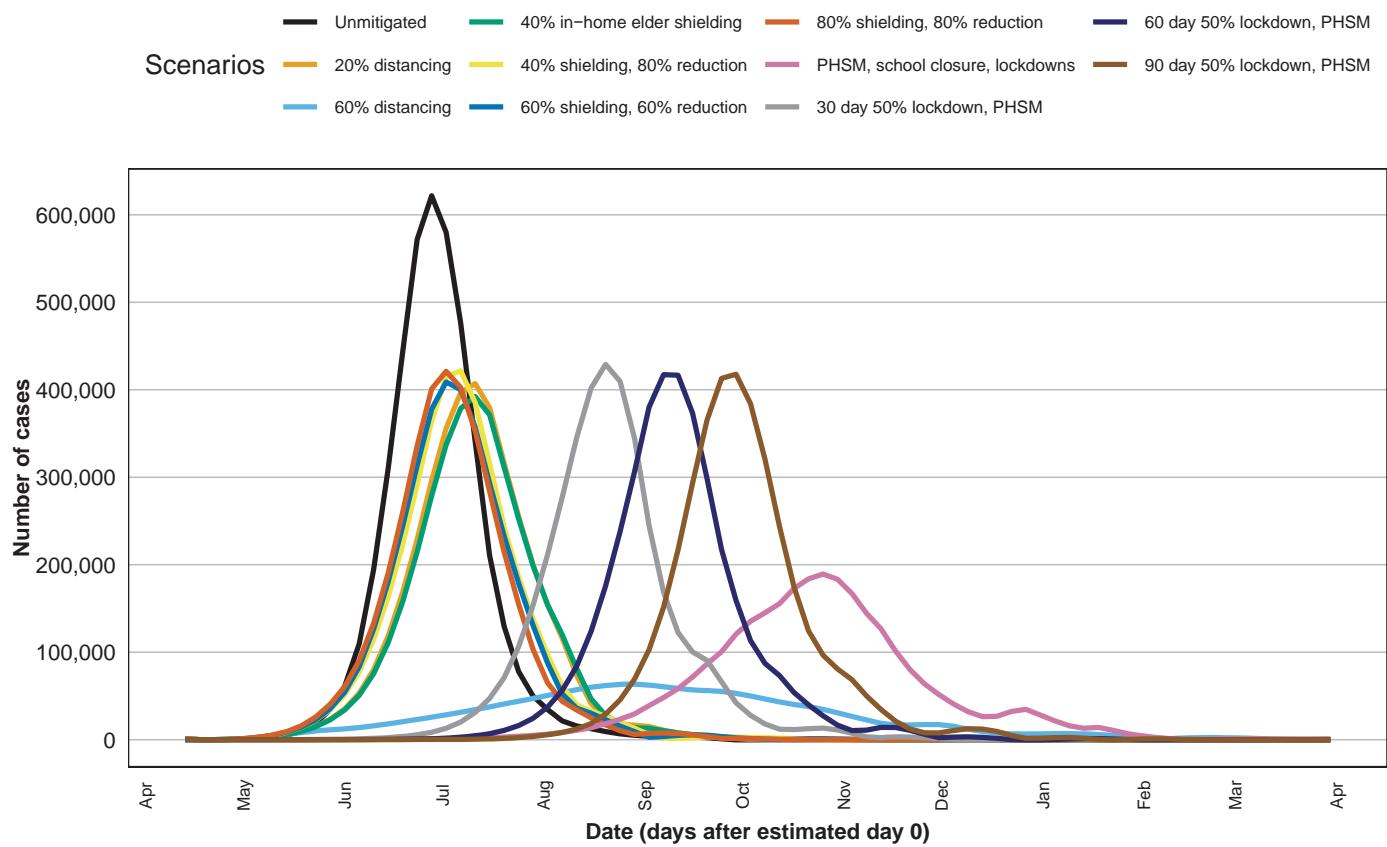
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

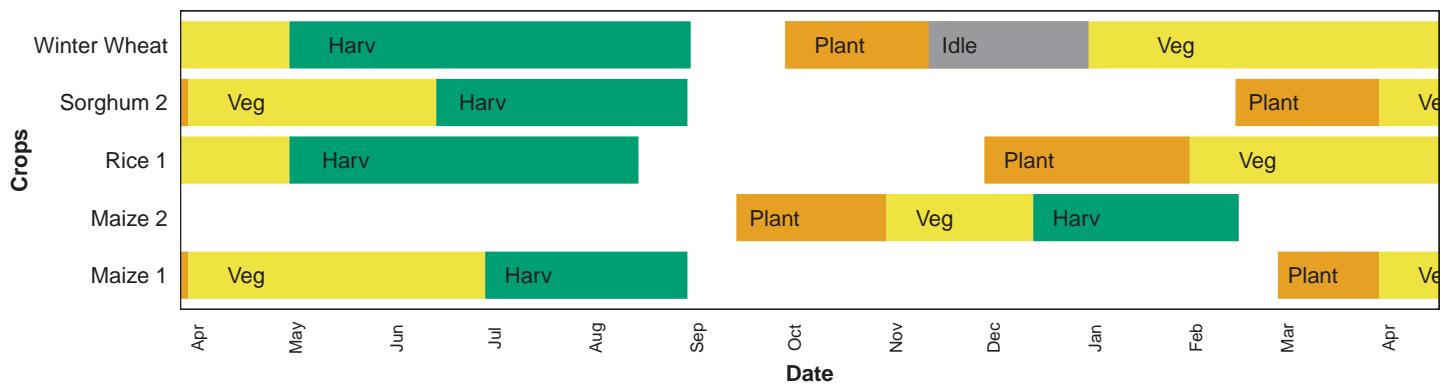


Tanzania

Tanzania cases over time



Tanzania Northern



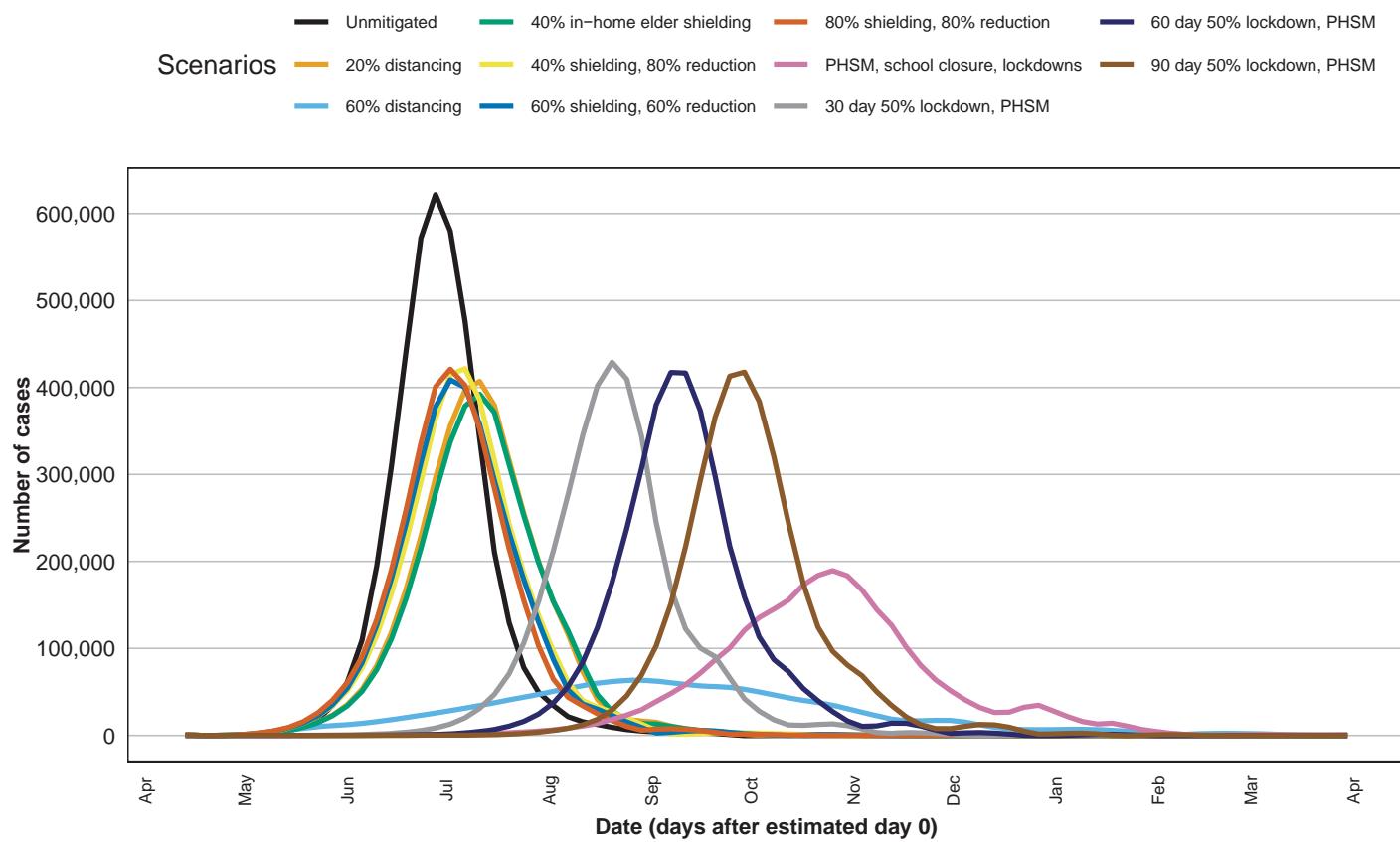
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

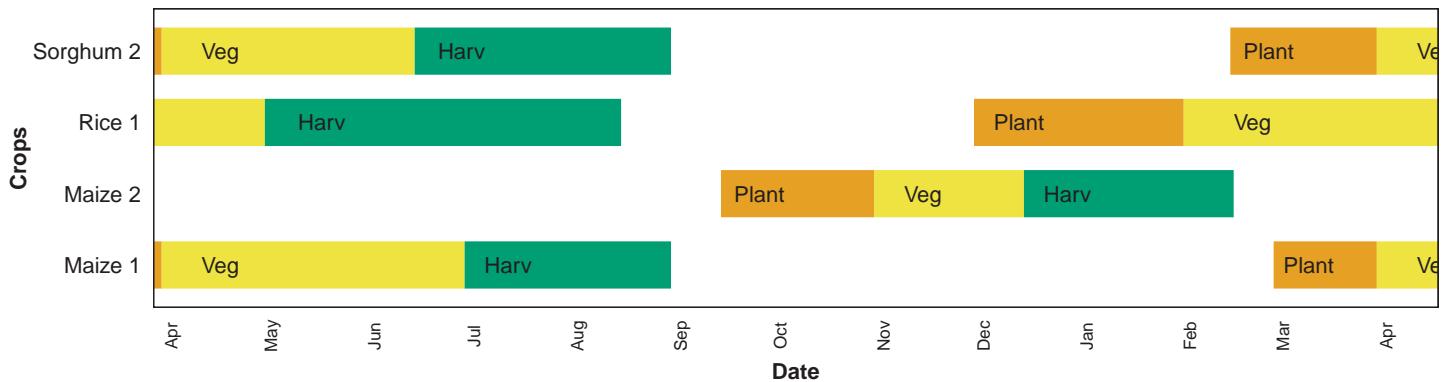


Tanzania

Tanzania cases over time



Tanzania Northern Coast



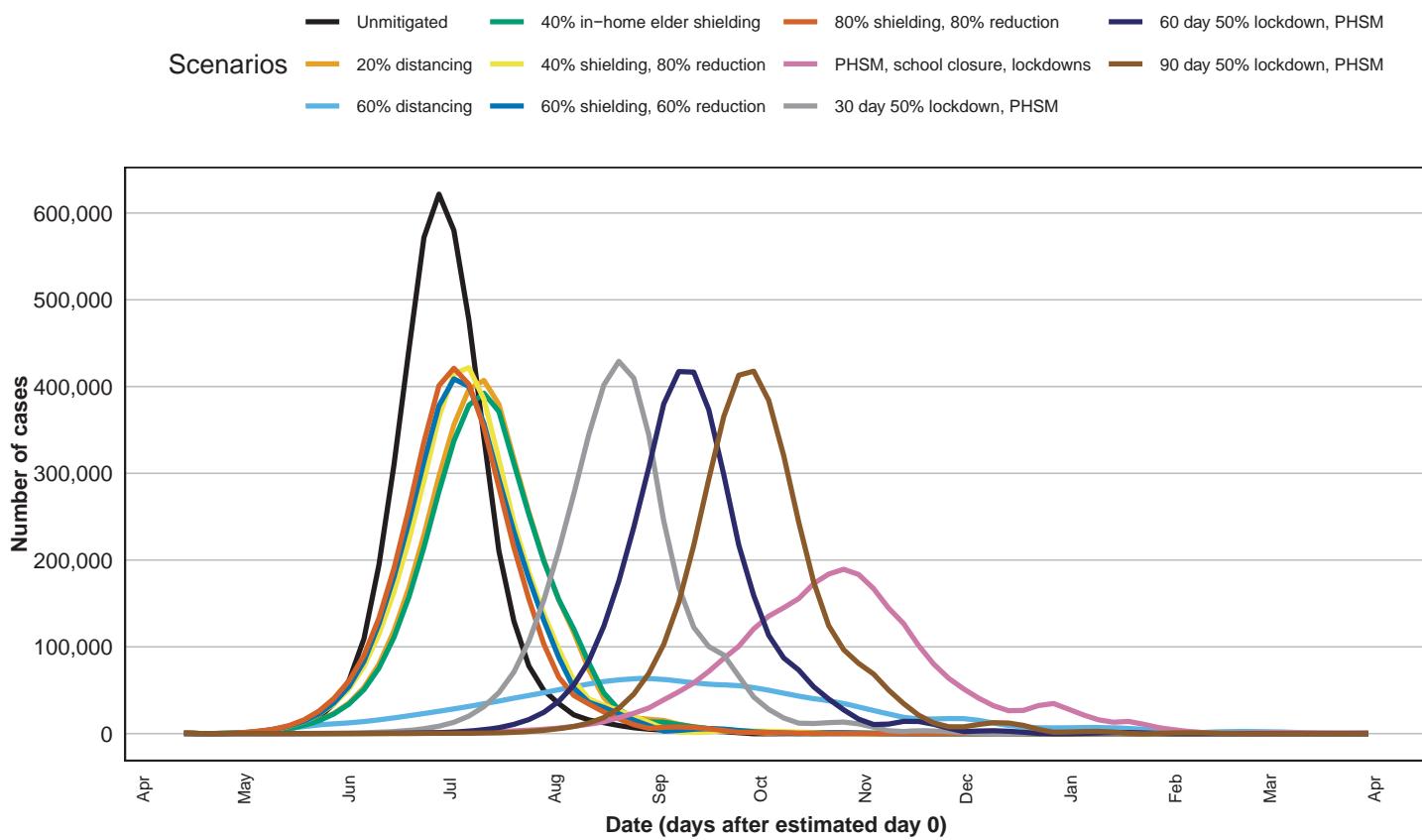
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

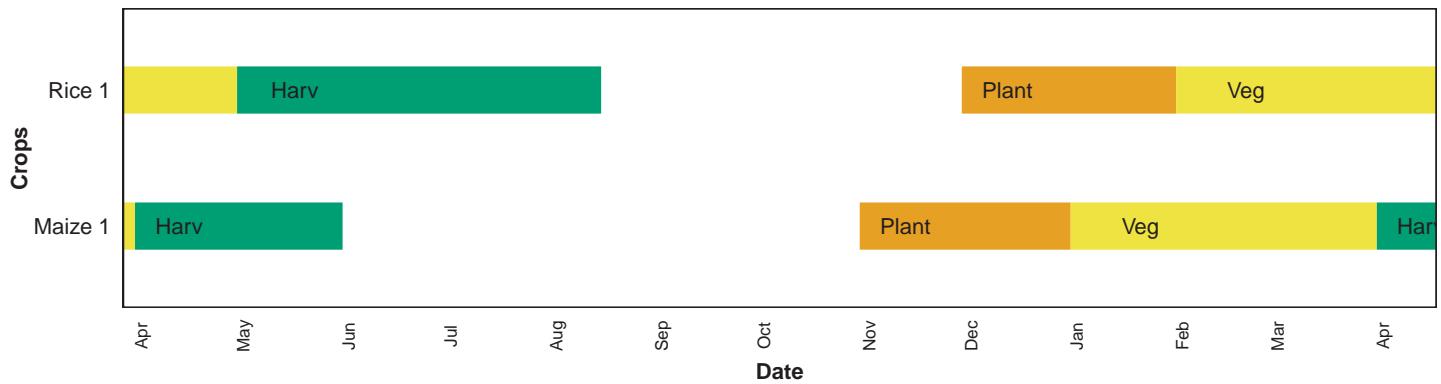


Tanzania

Tanzania cases over time



Tanzania Southeast



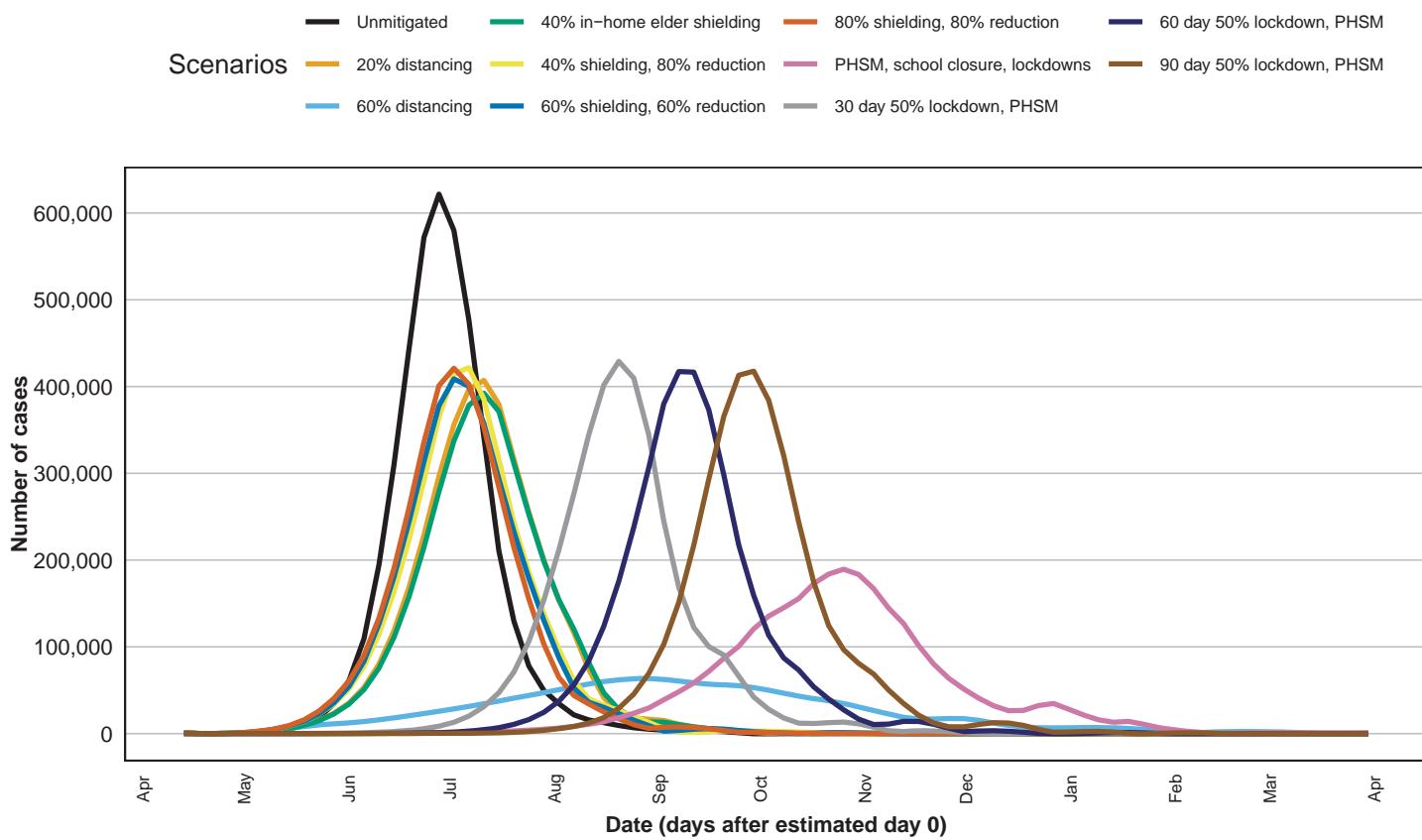
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

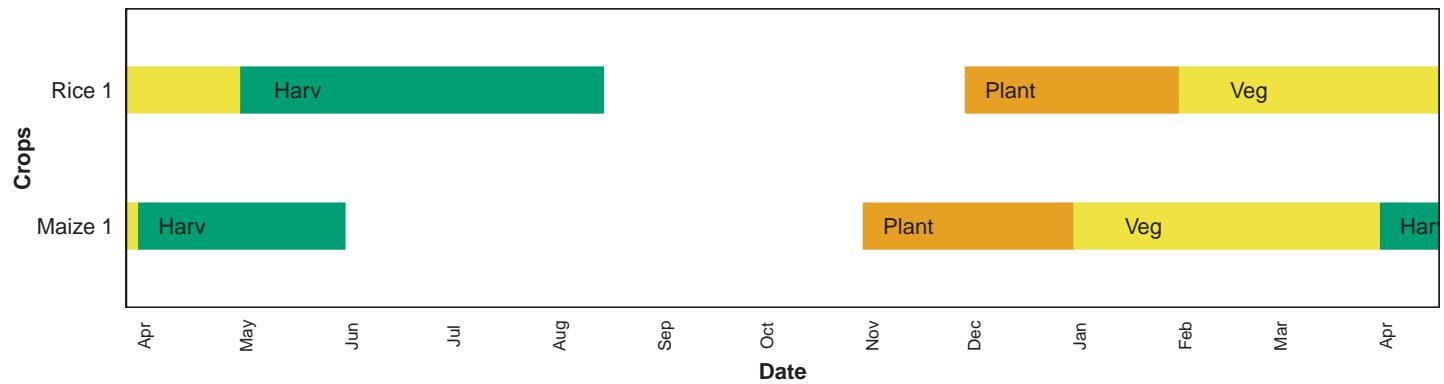


Tanzania

Tanzania cases over time



Tanzania Southwest



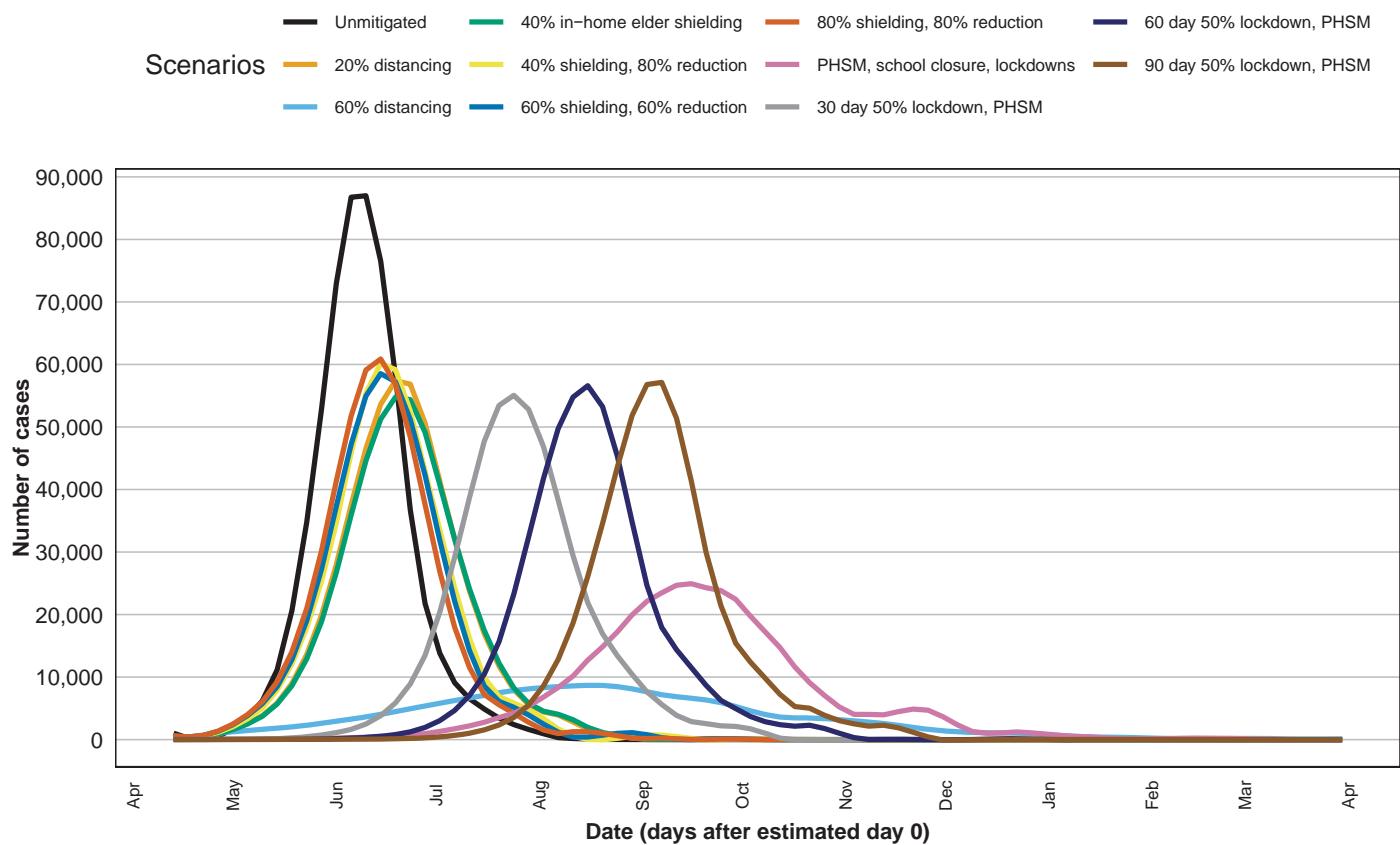
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

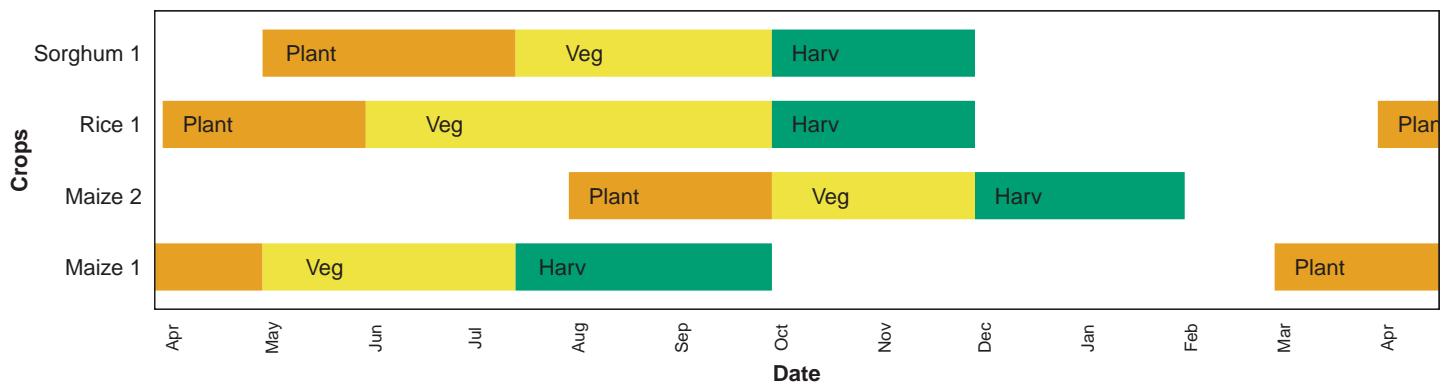


Togo

Togo cases over time



Togo Central



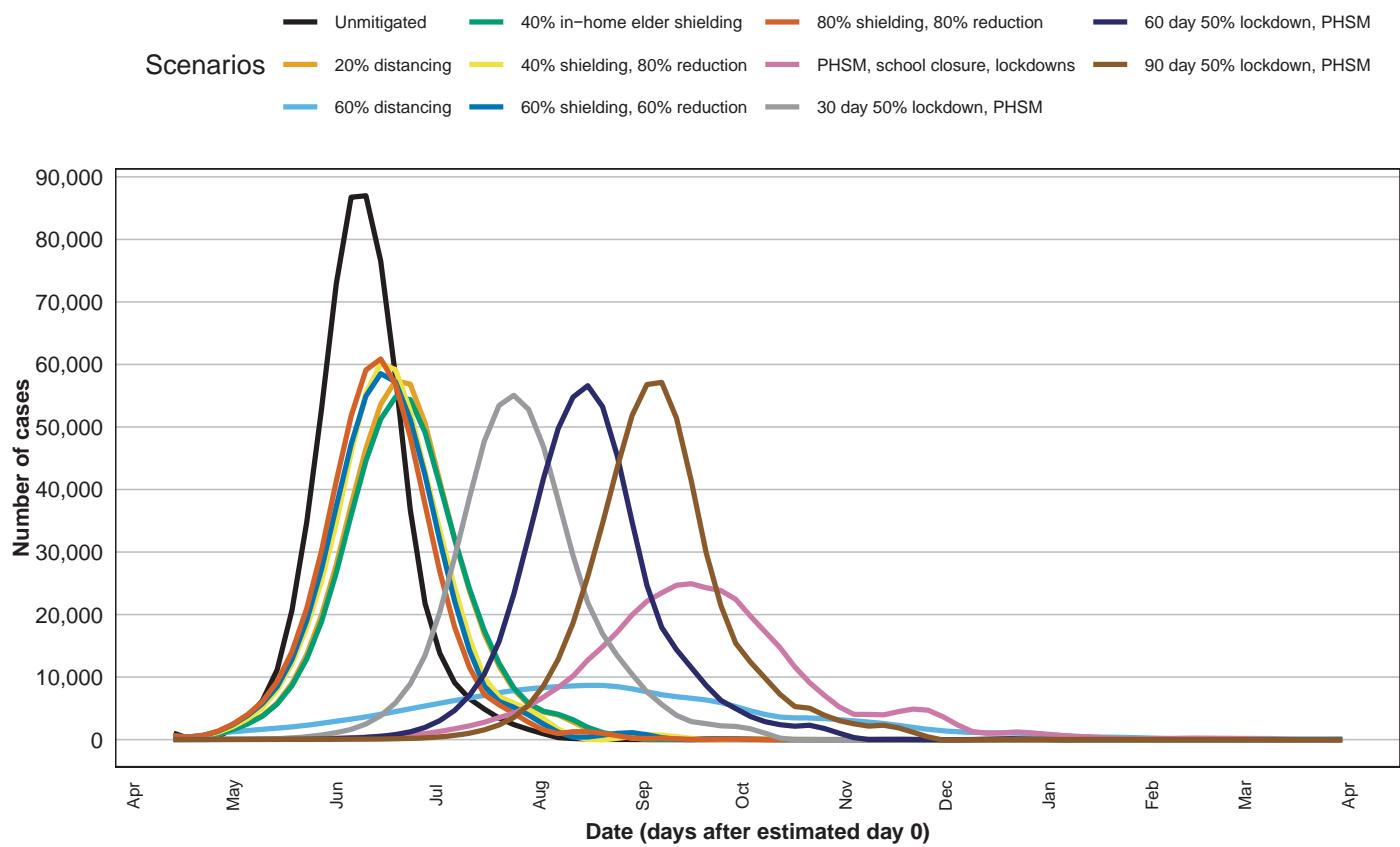
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

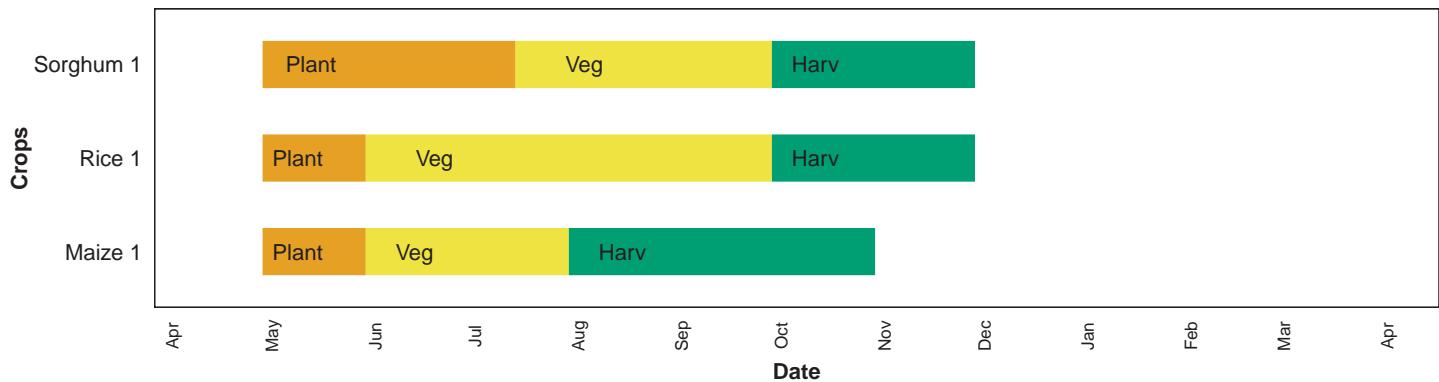


Togo

Togo cases over time



Togo North



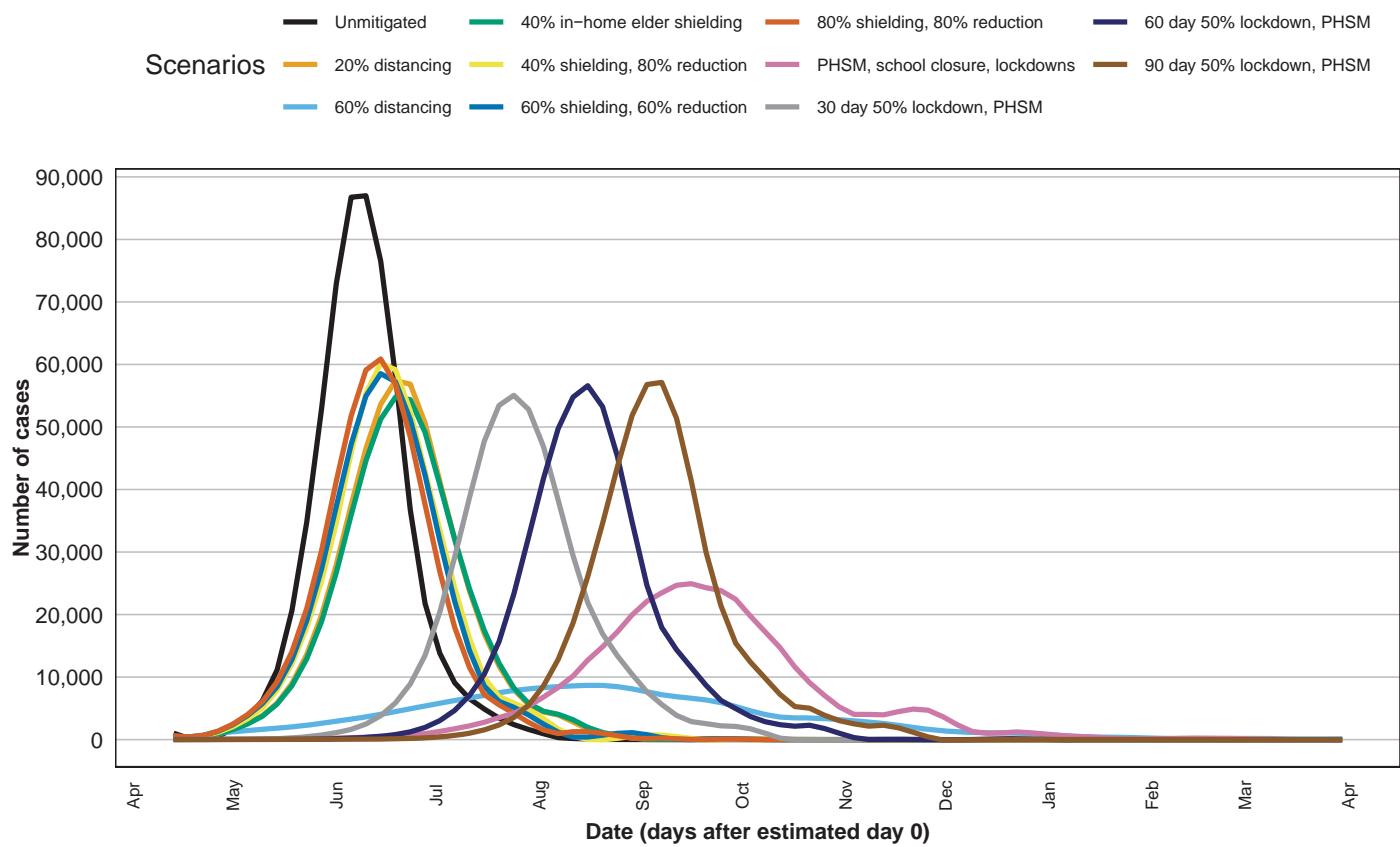
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

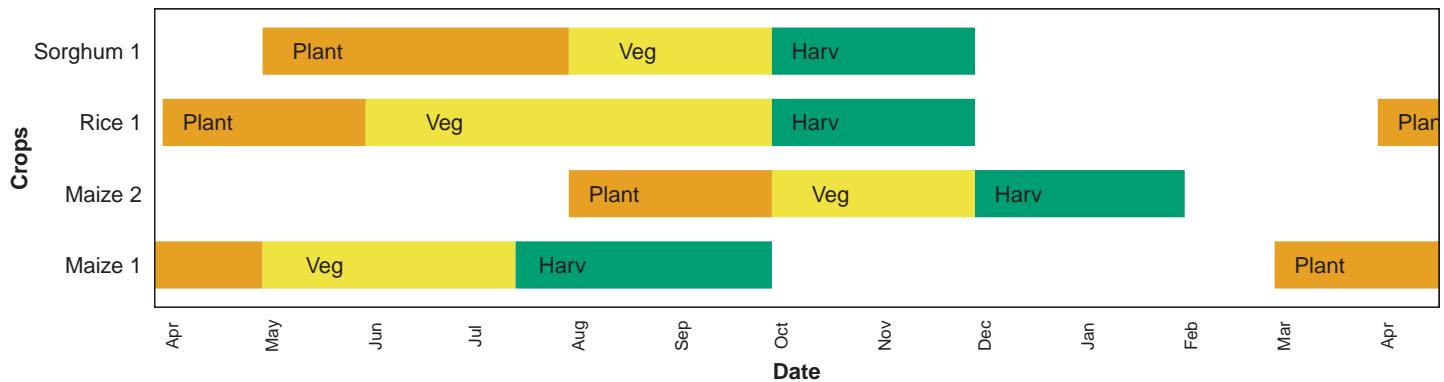


Togo

Togo cases over time



Togo South



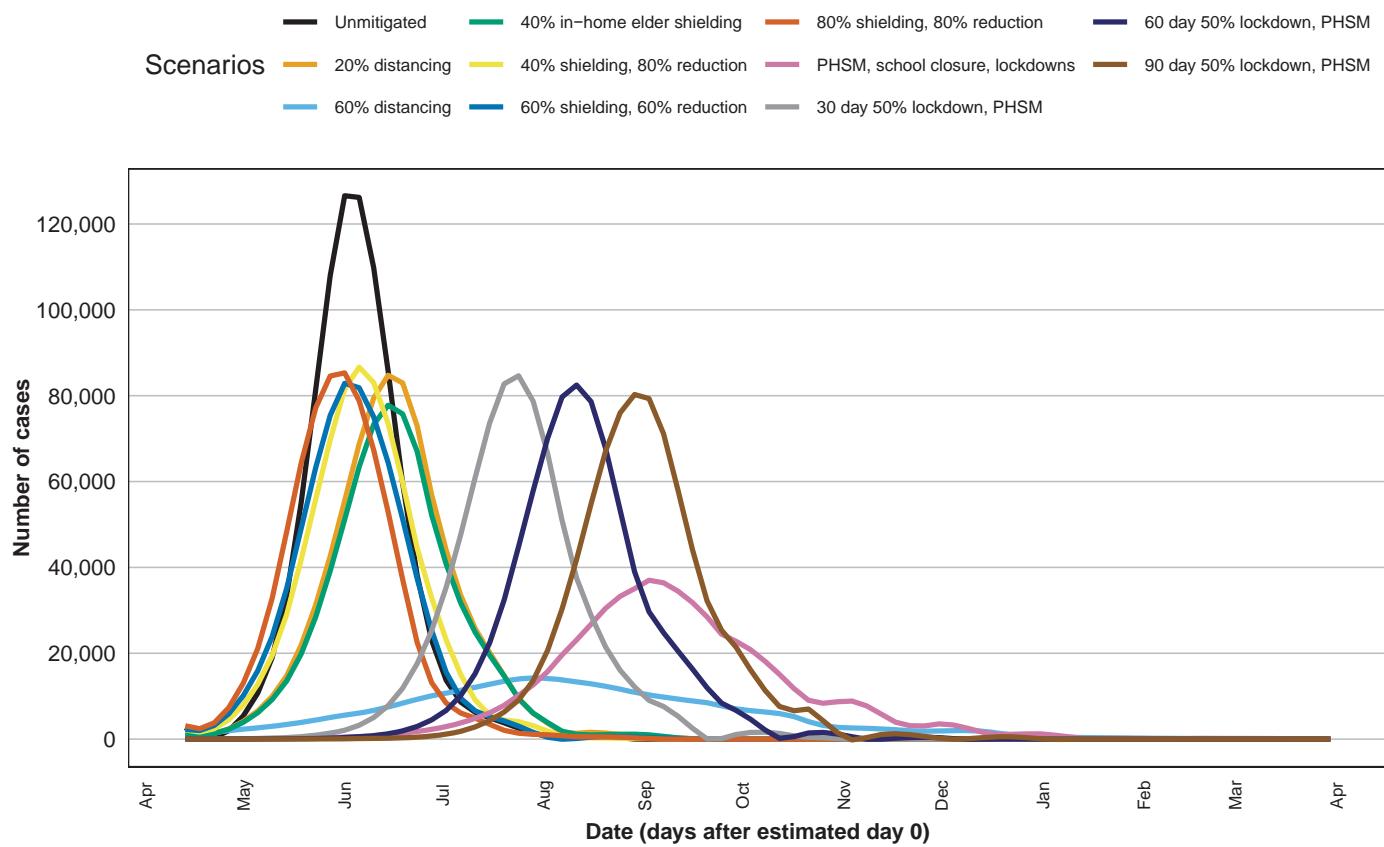
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

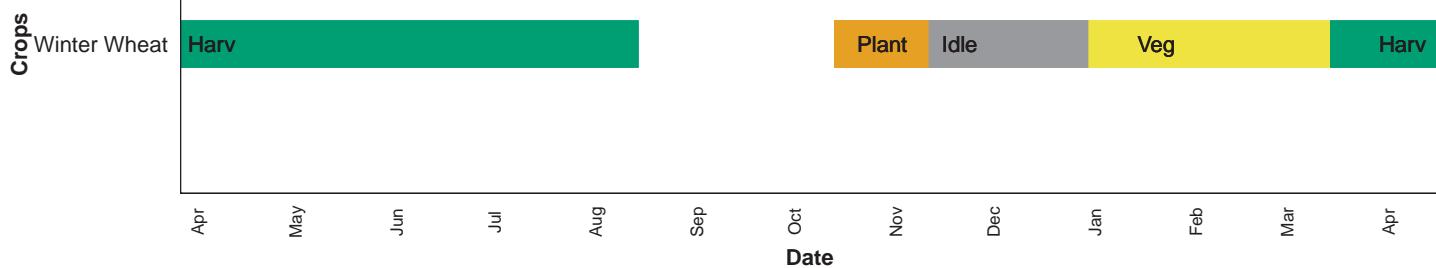


Tunisia

Tunisia cases over time



Tunisia



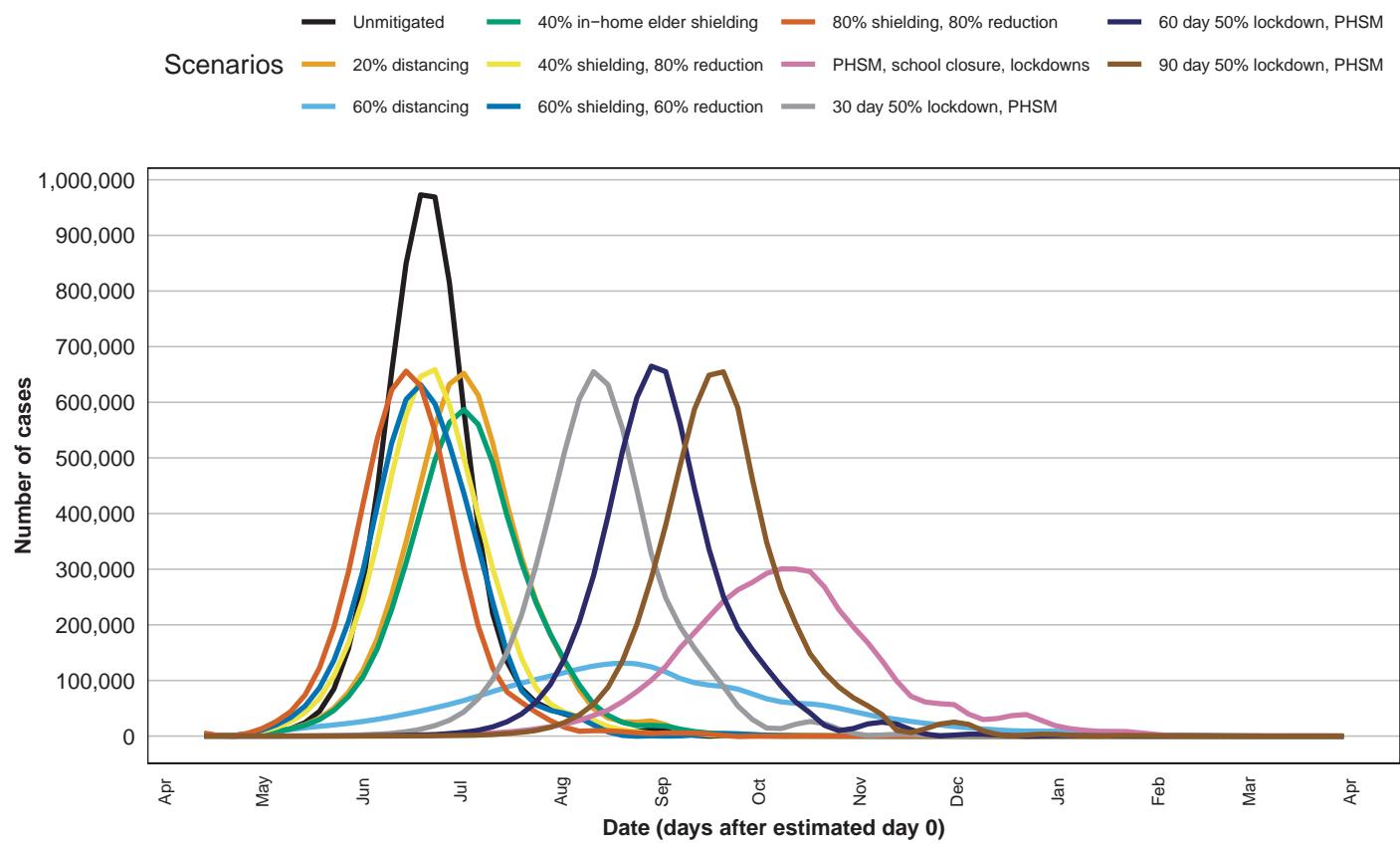
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

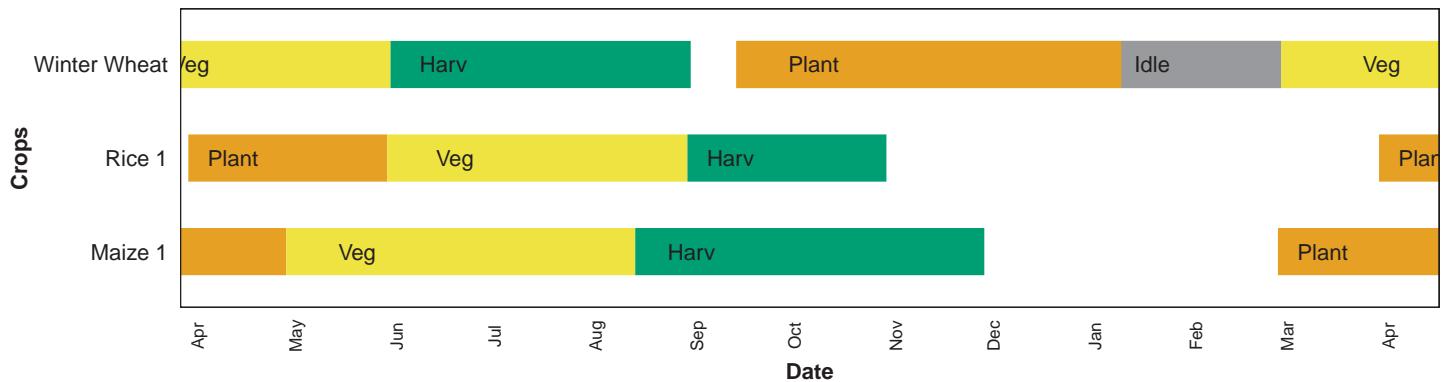


Turkey

Turkey cases over time



Turkey East



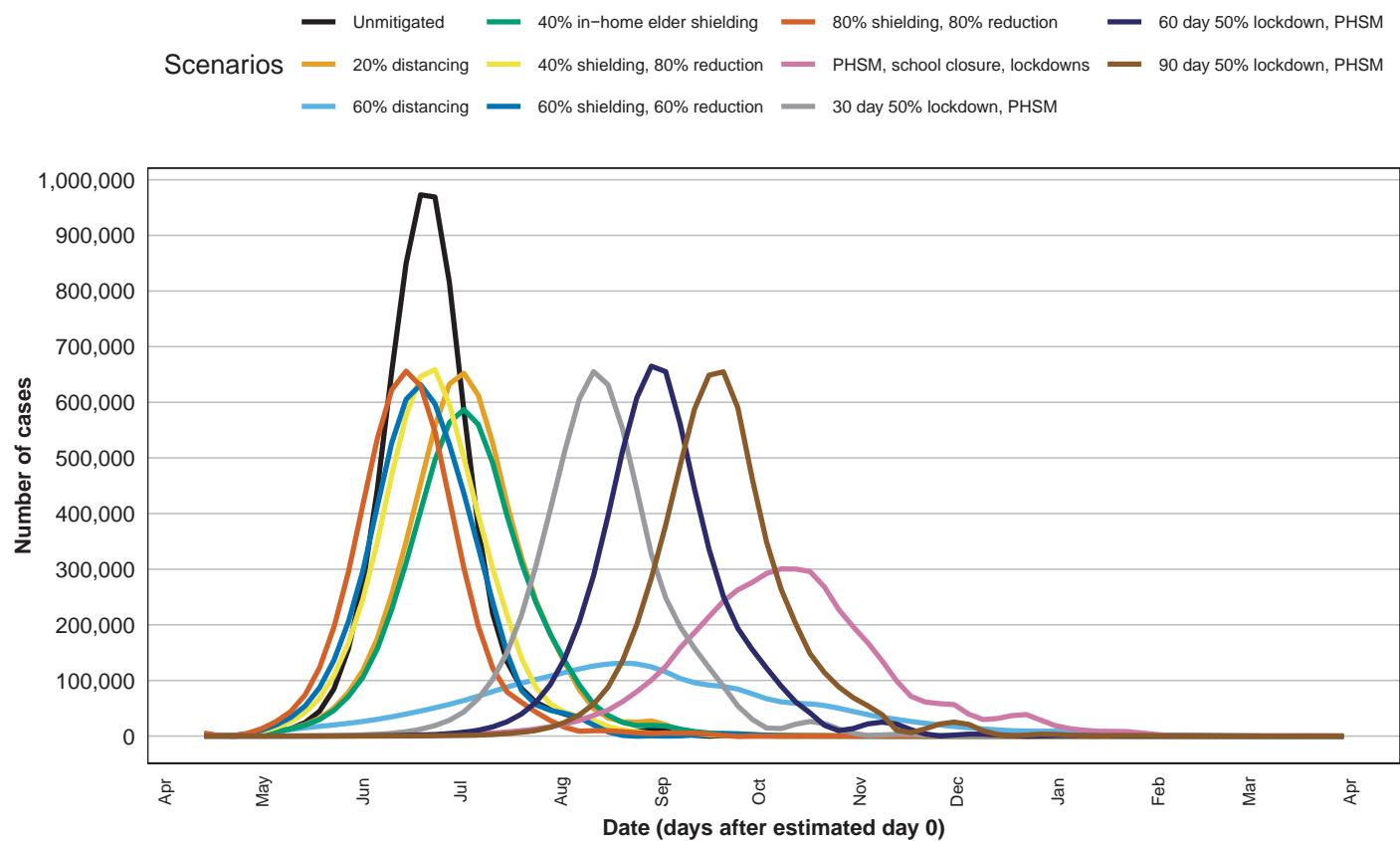
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

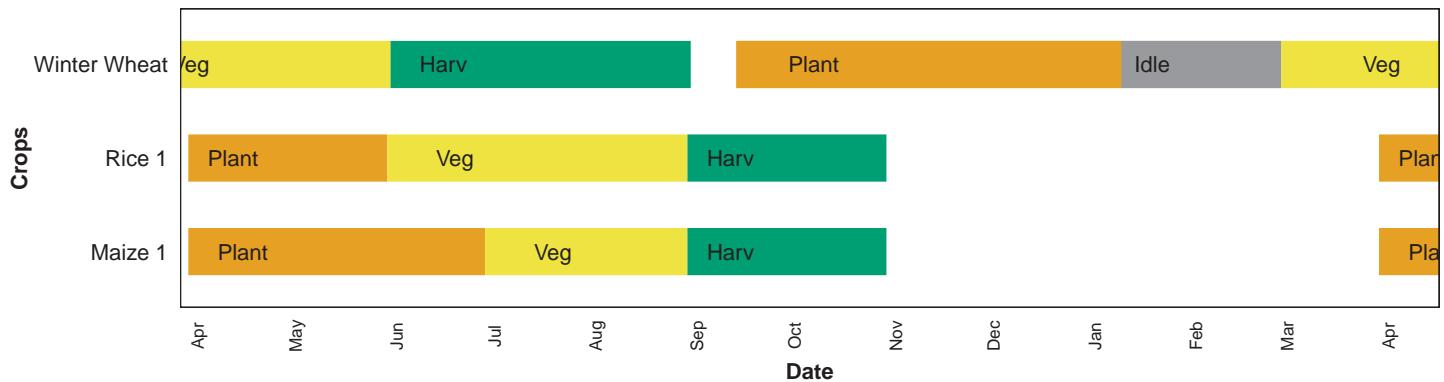


Turkey

Turkey cases over time



Turkey West



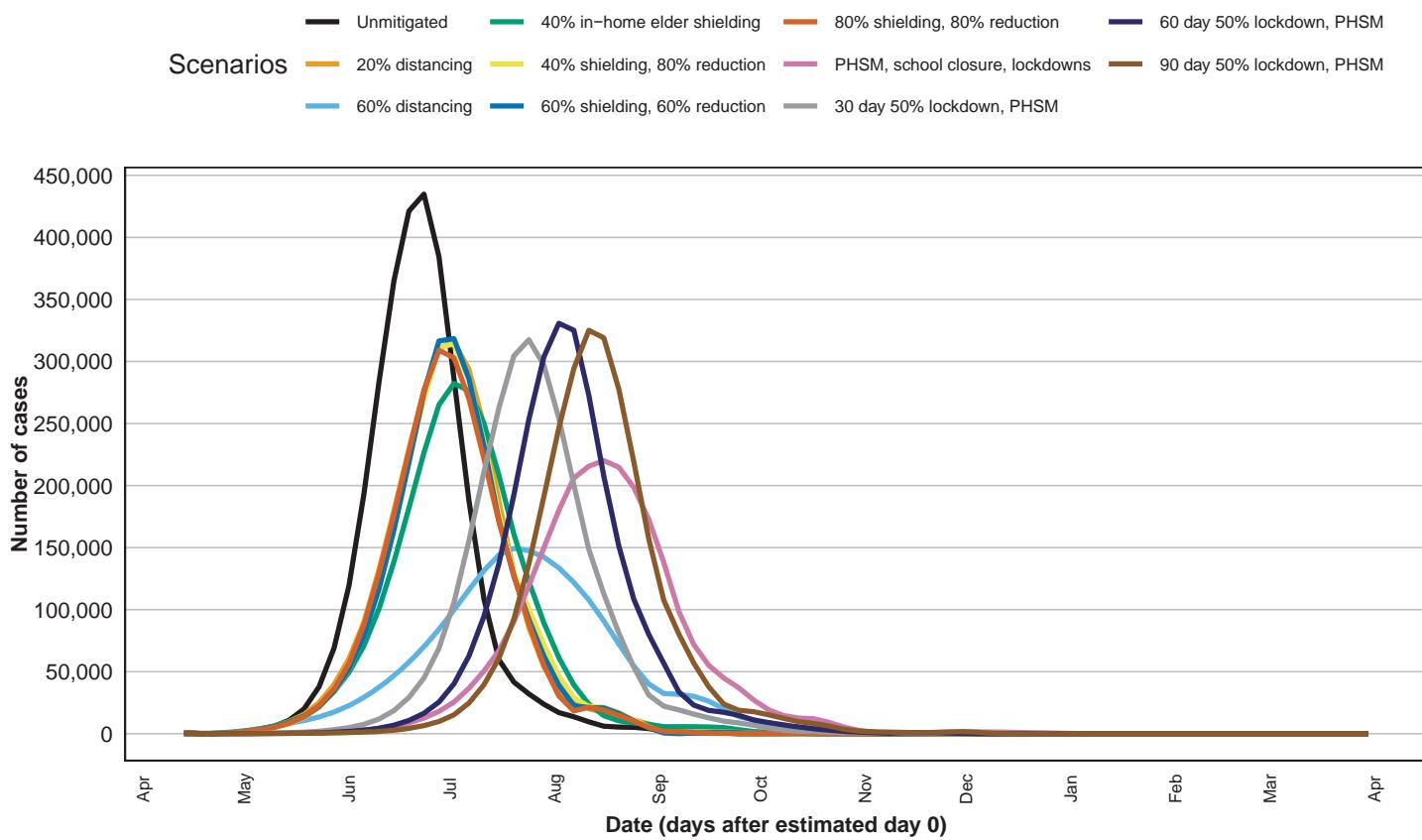
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

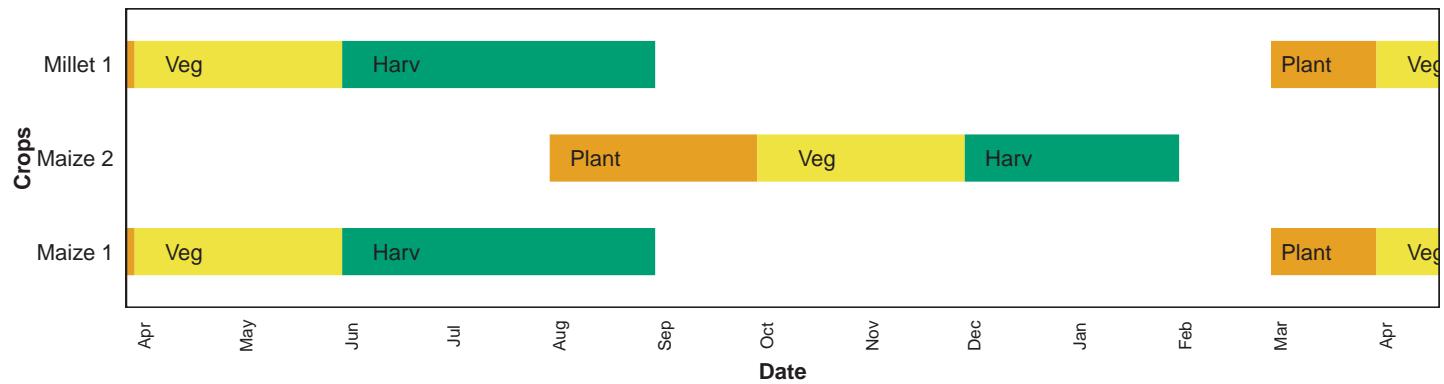


Uganda

Uganda cases over time



Uganda Central



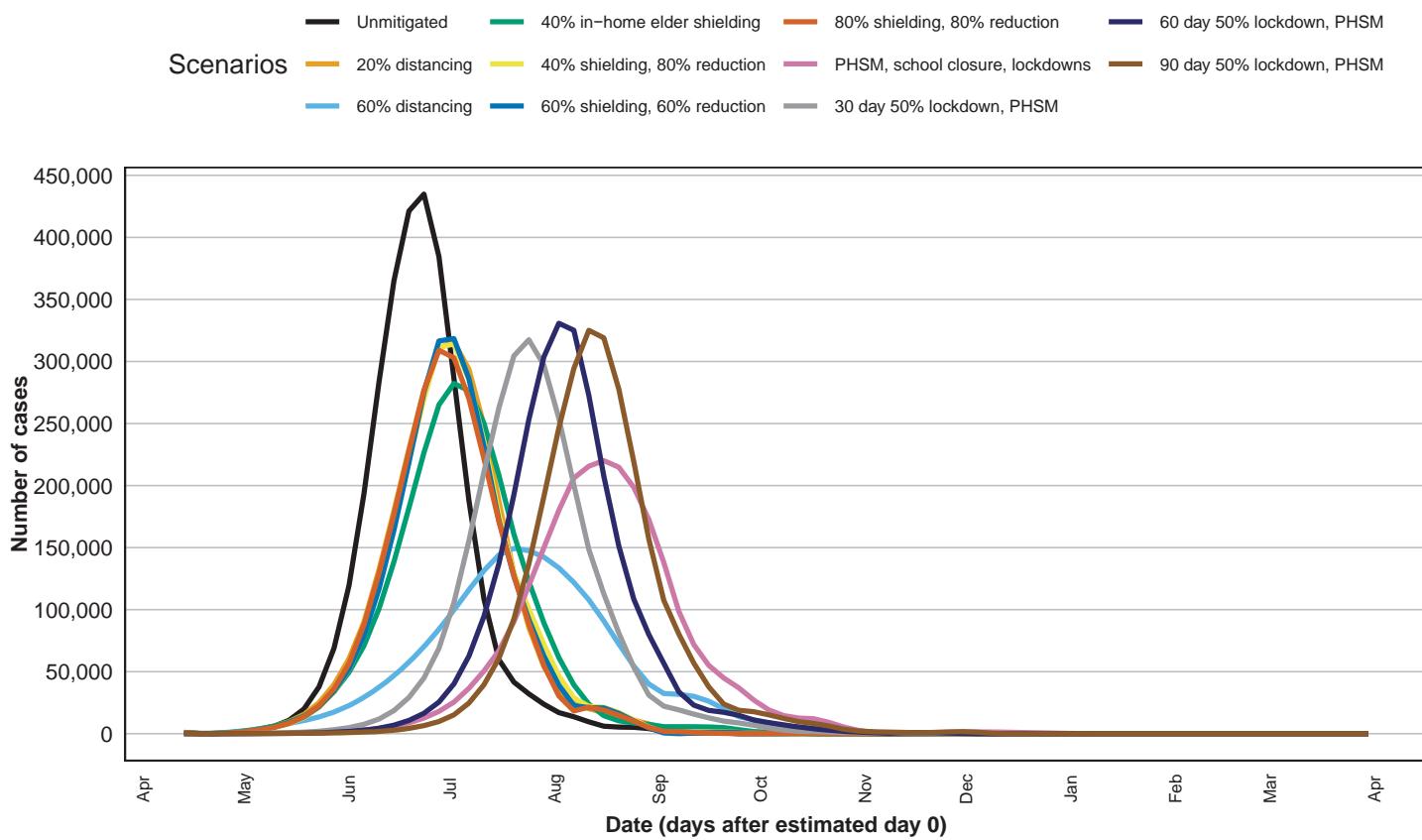
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

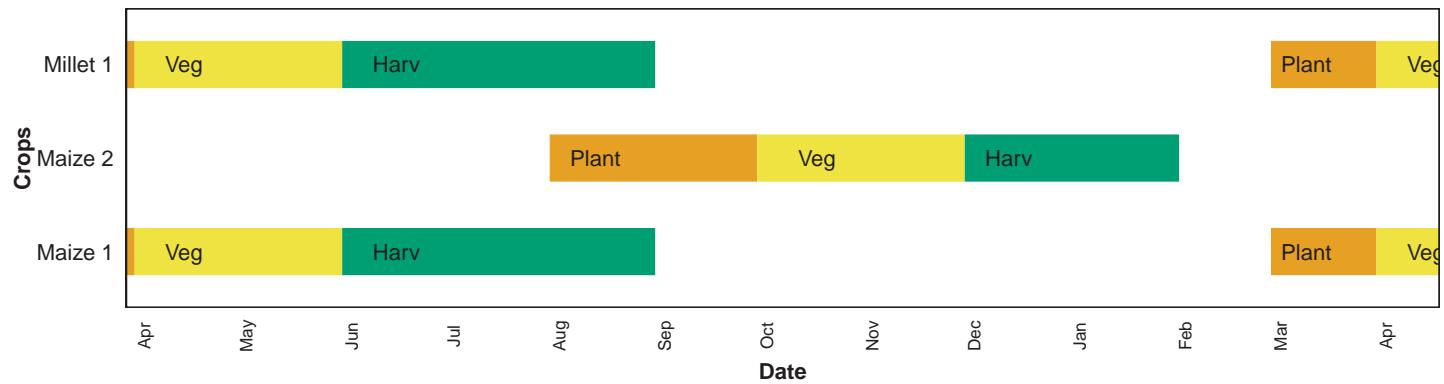


Uganda

Uganda cases over time



Uganda Eastern



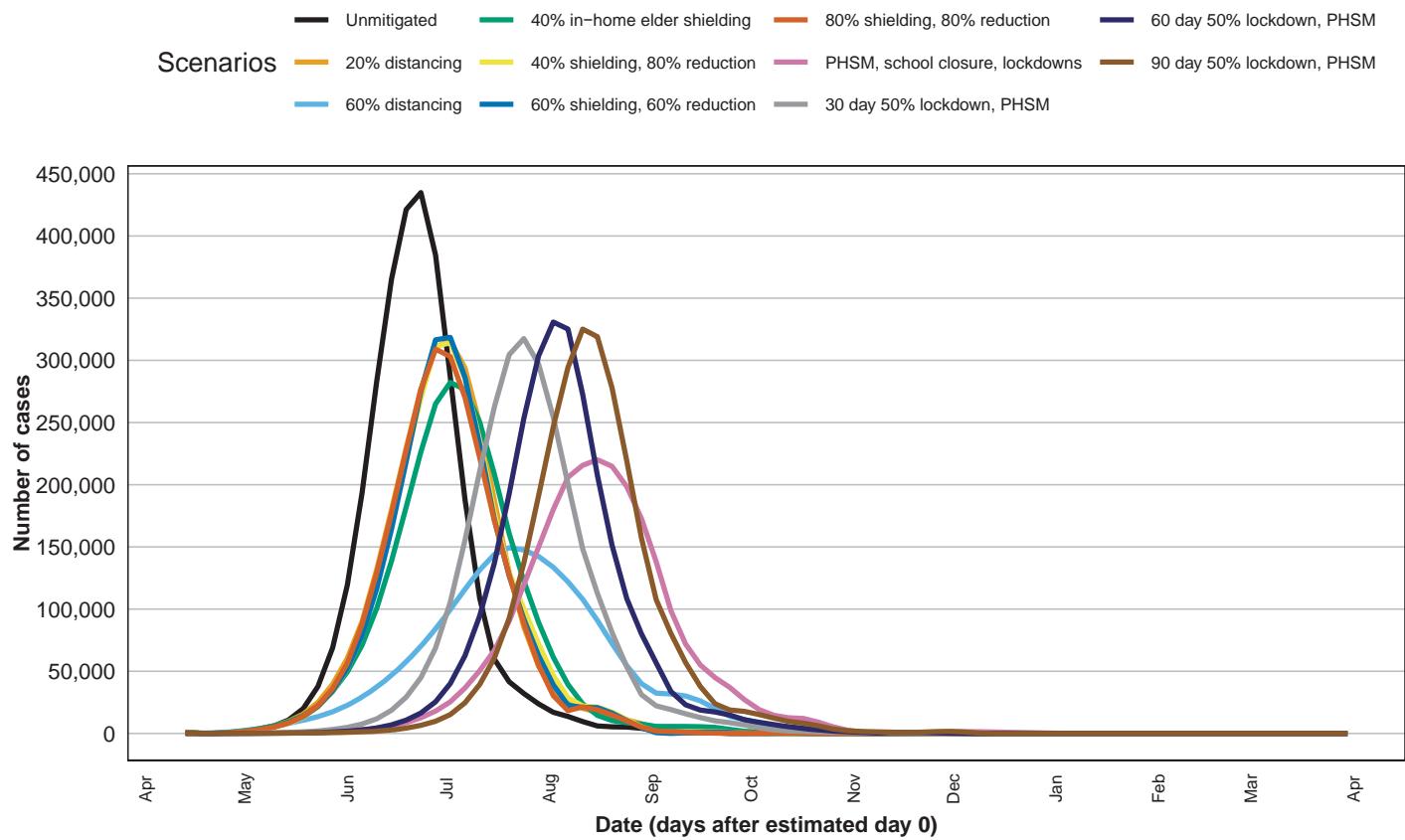
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodatatools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

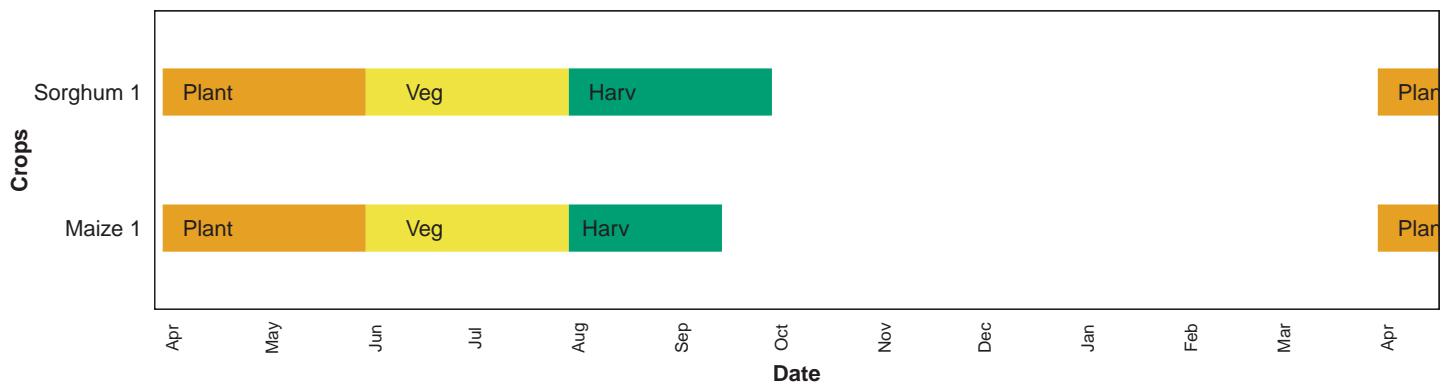


Uganda

Uganda cases over time



Uganda Karamoja



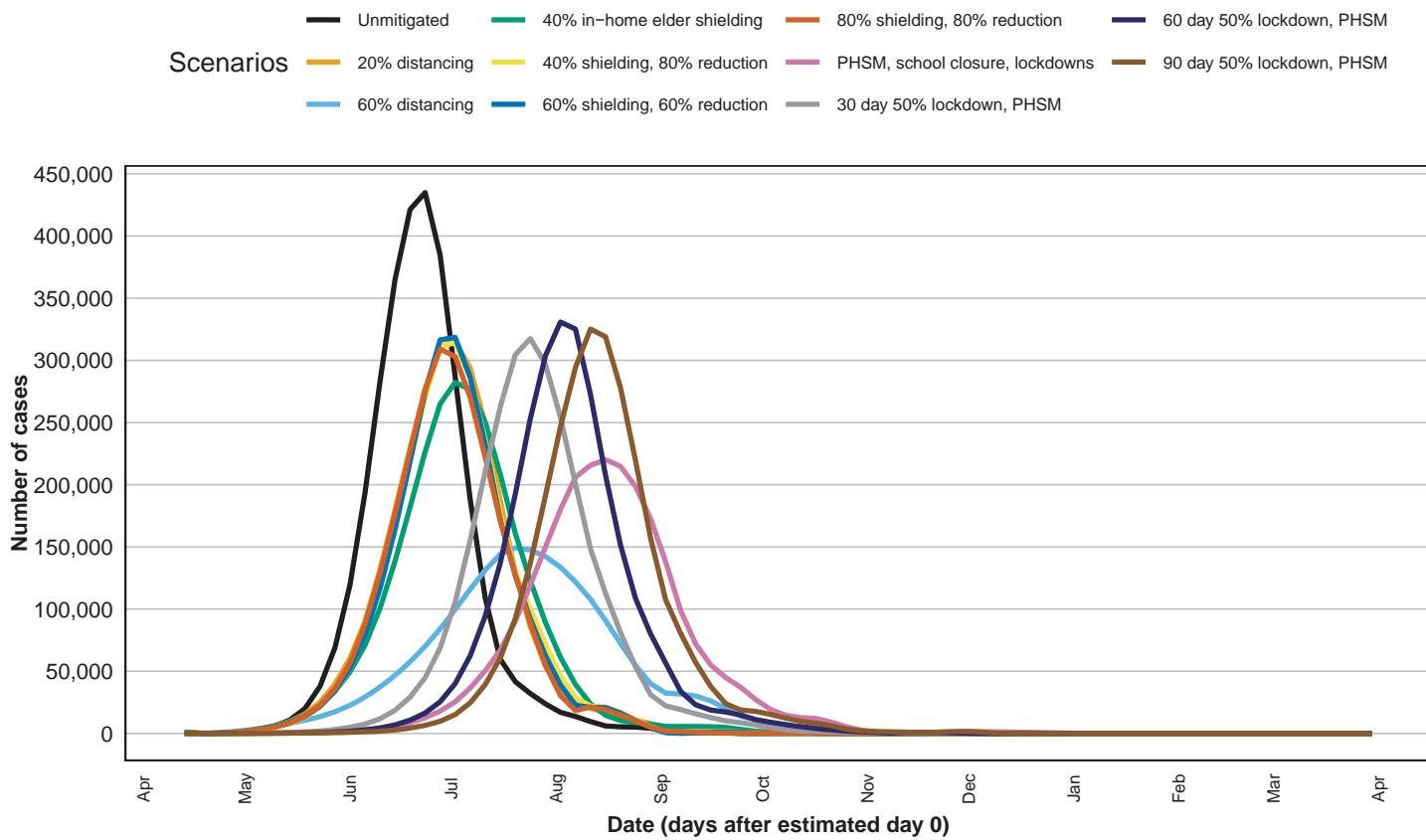
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

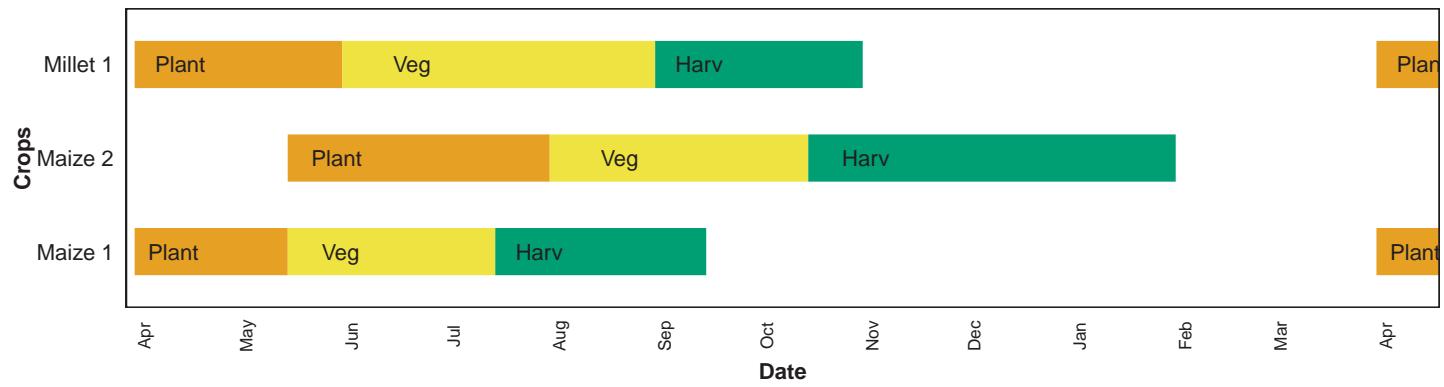


Uganda

Uganda cases over time



Uganda Northern



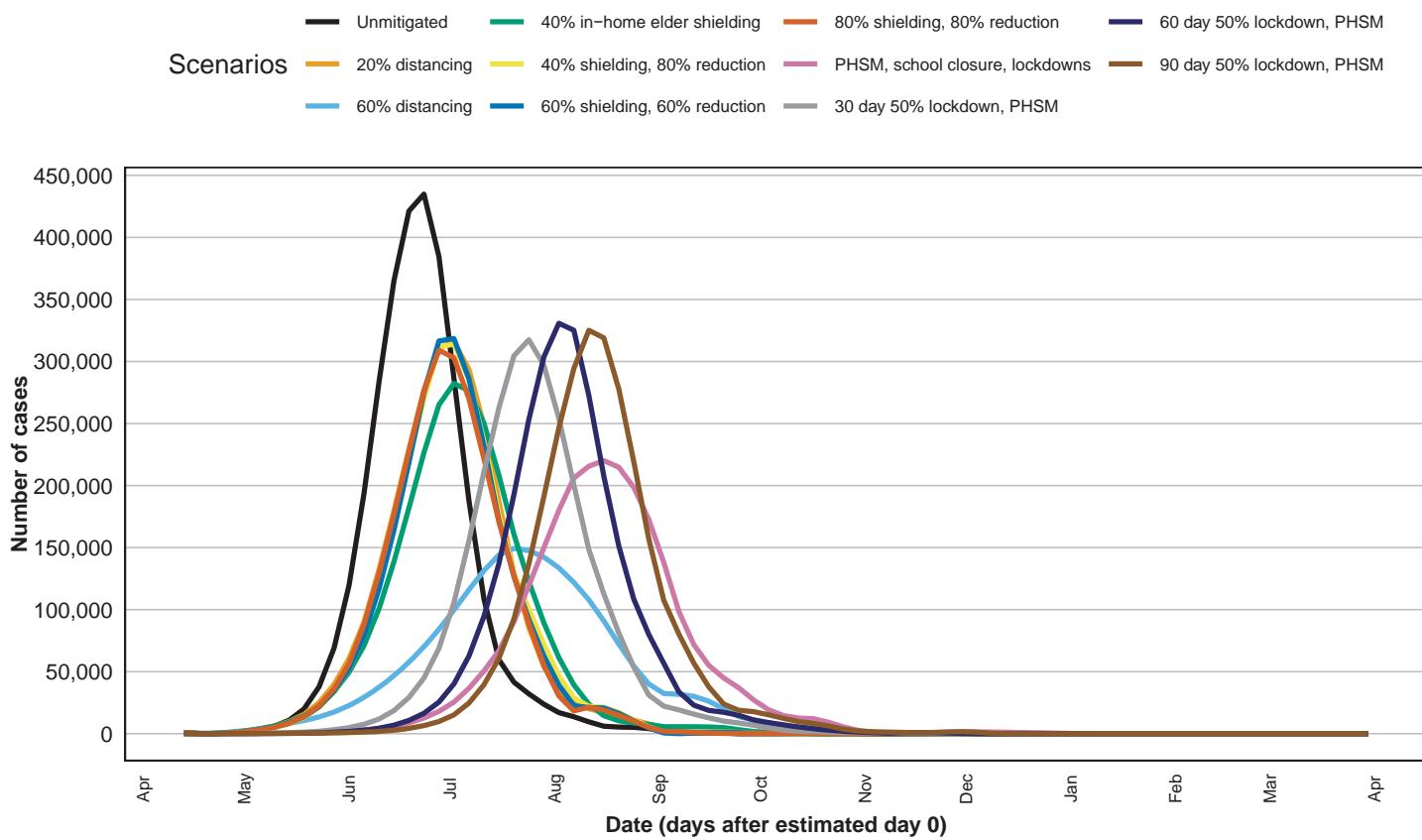
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata/tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

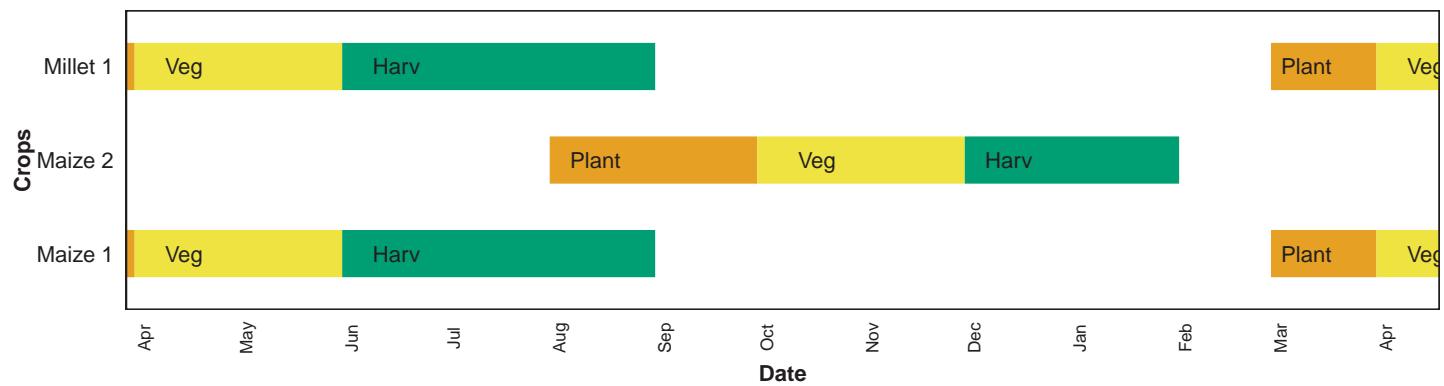


Uganda

Uganda cases over time



Uganda Western



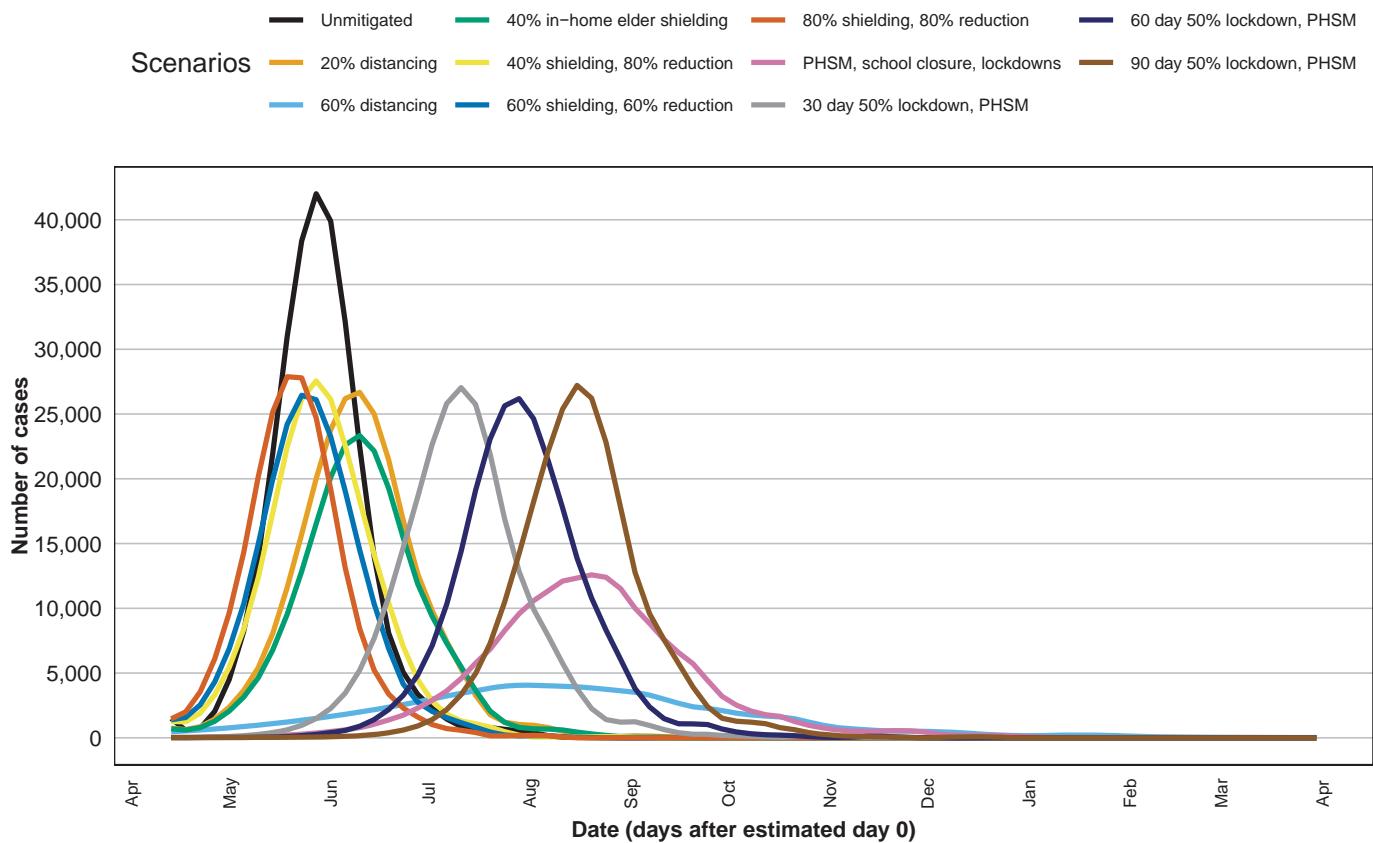
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodata-tools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

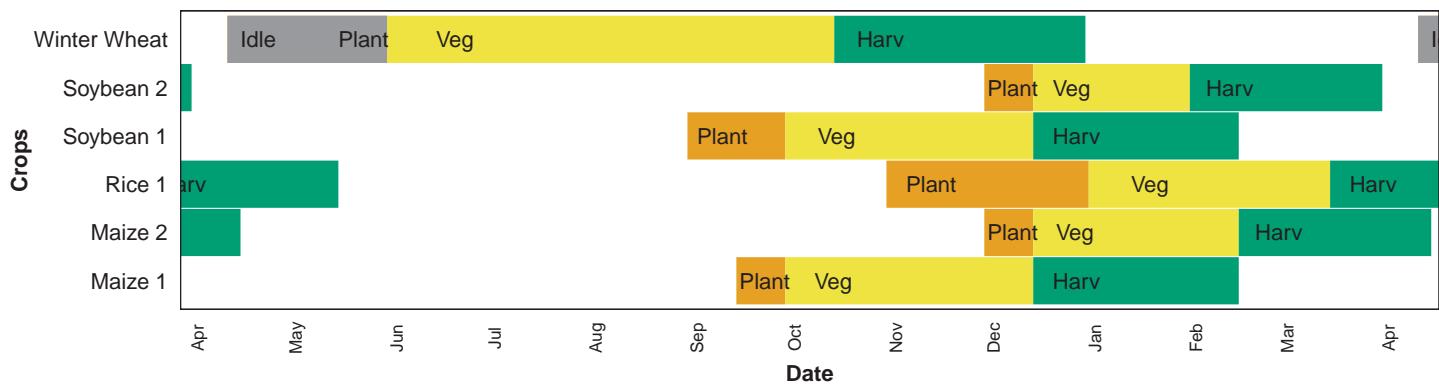


Uruguay

Uruguay cases over time



Uruguay



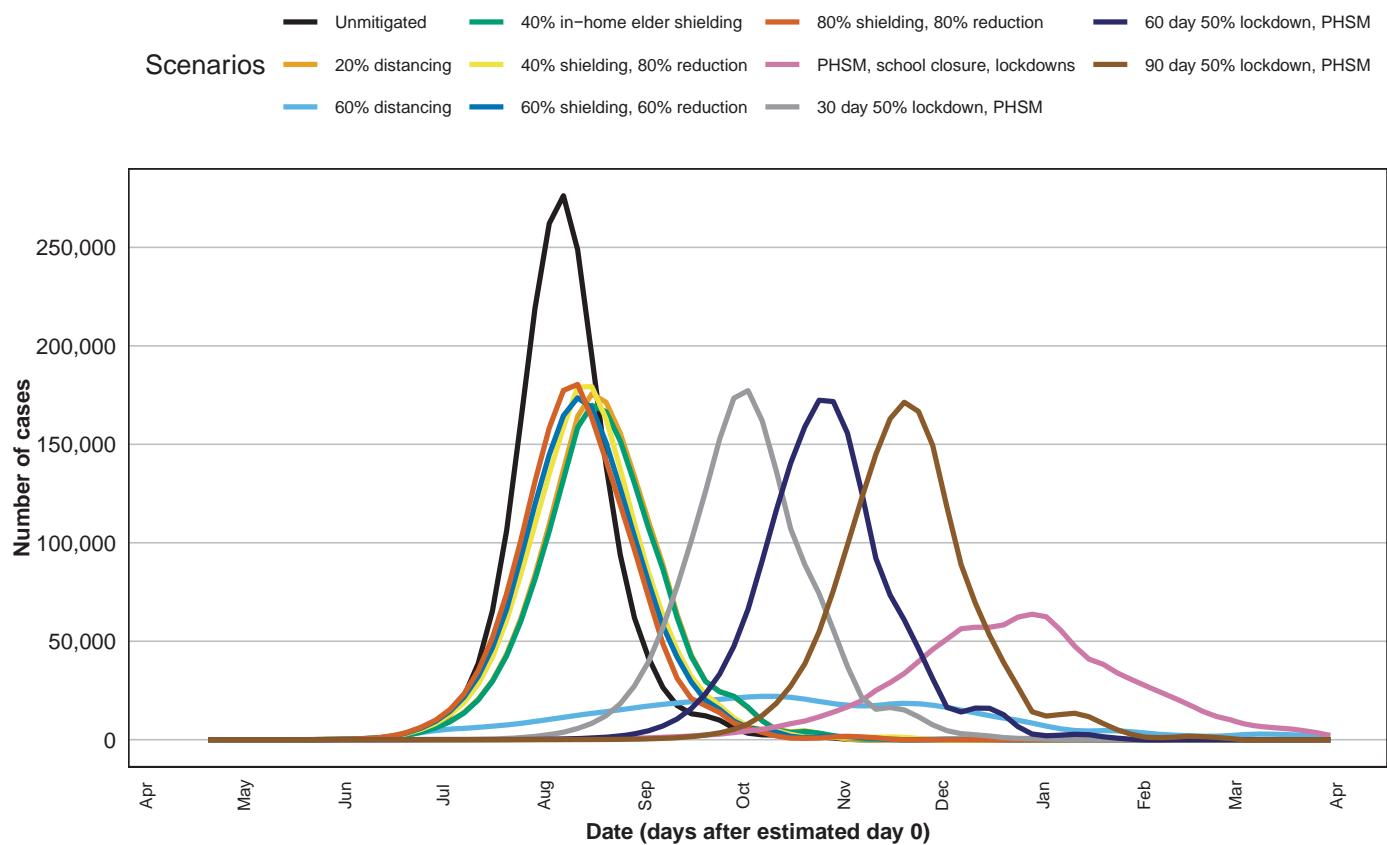
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

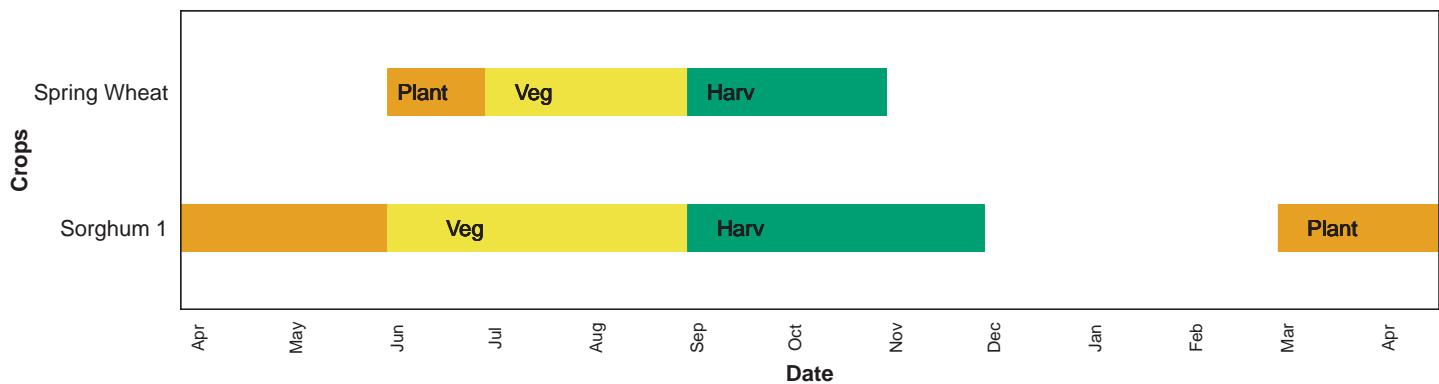


Yemen

Yemen cases over time



Yemen



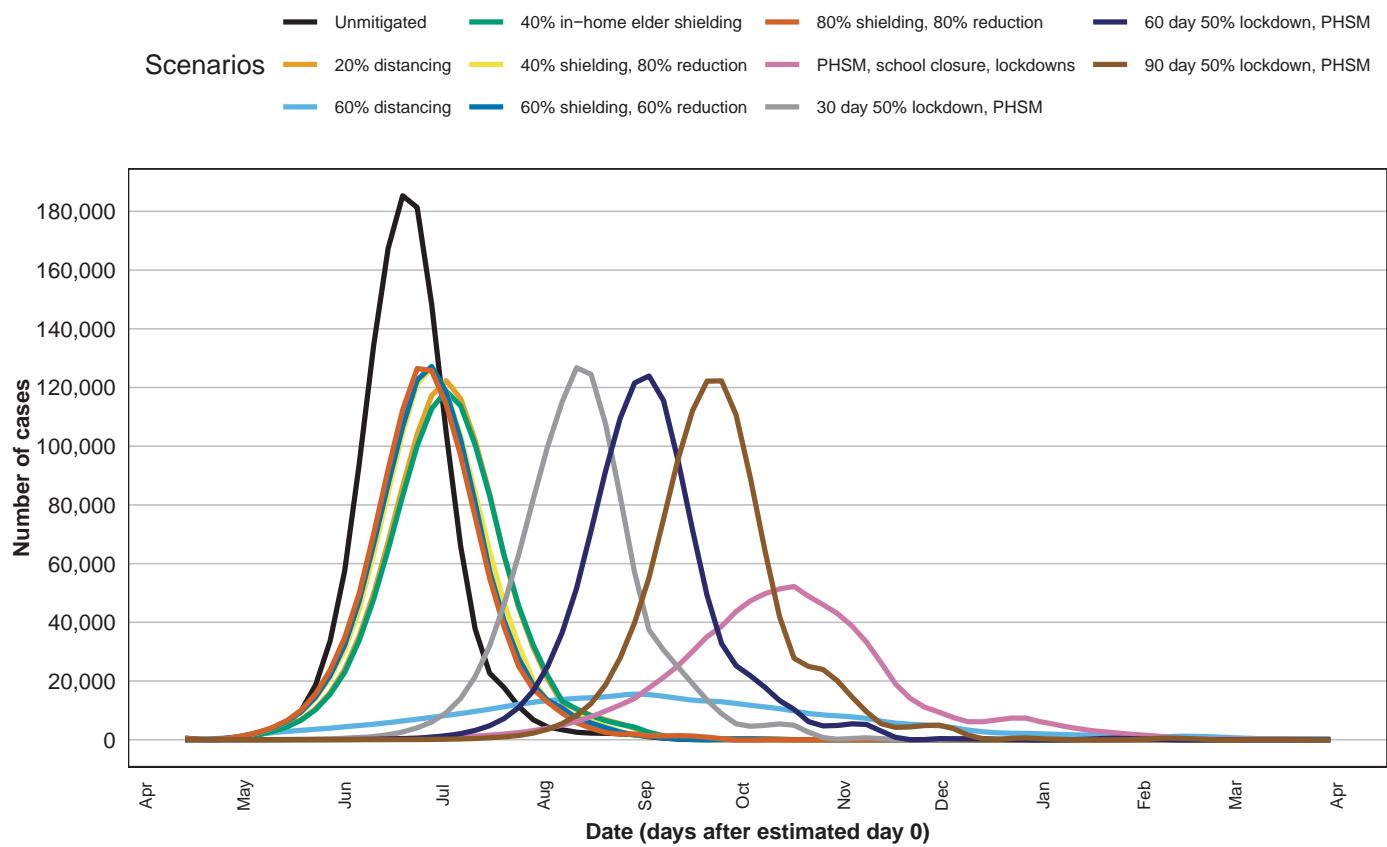
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

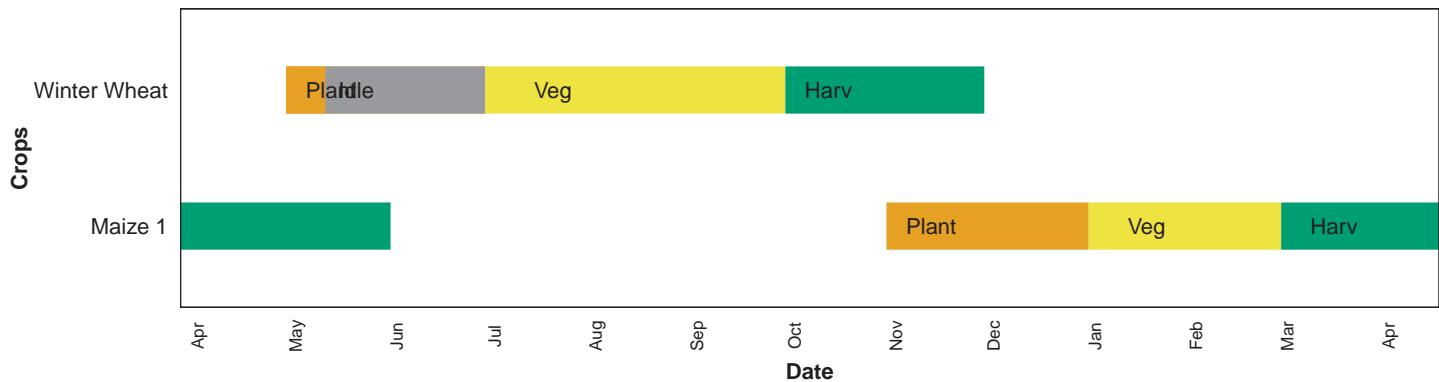


Zambia

Zambia cases over time



Zambia Central



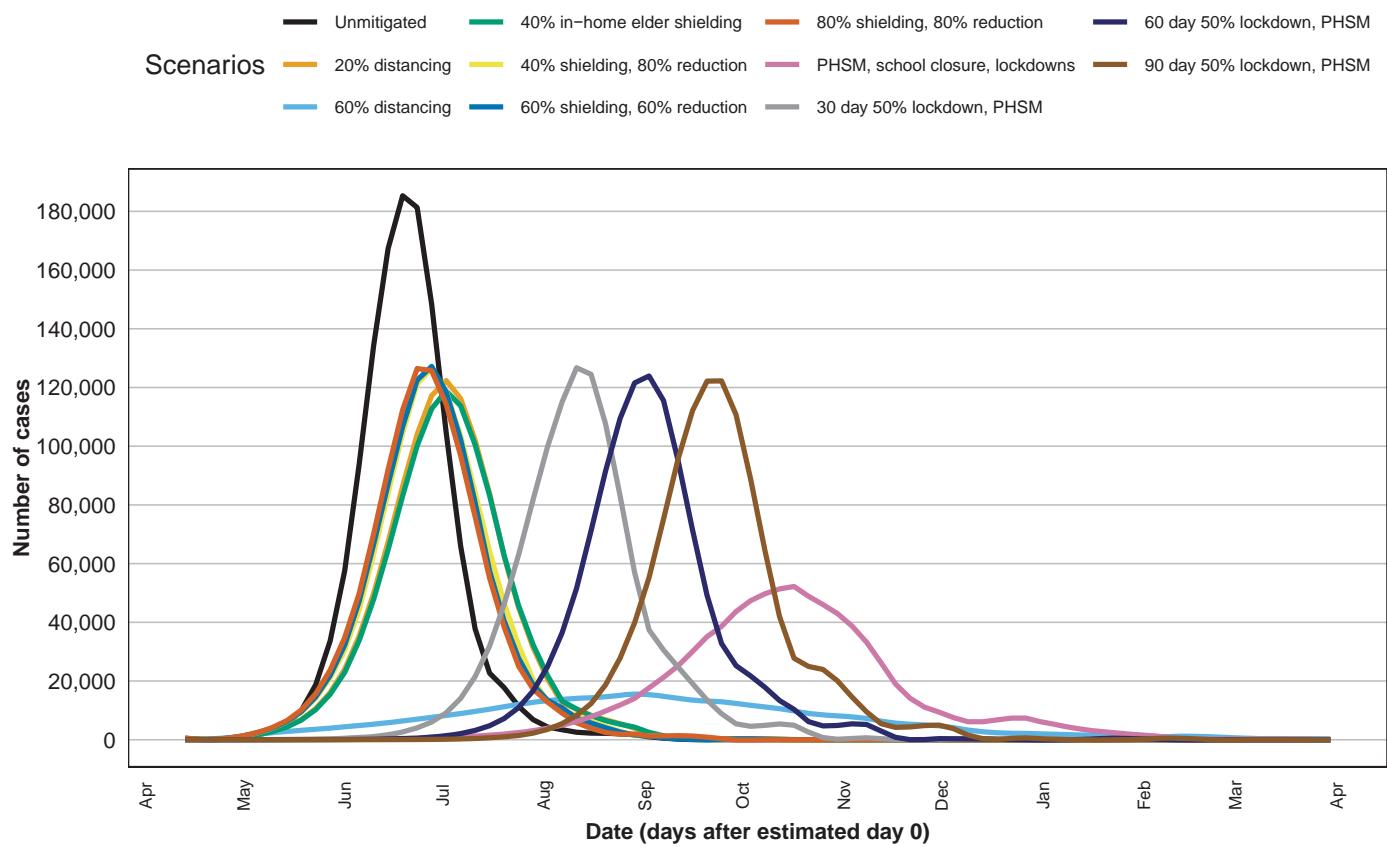
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

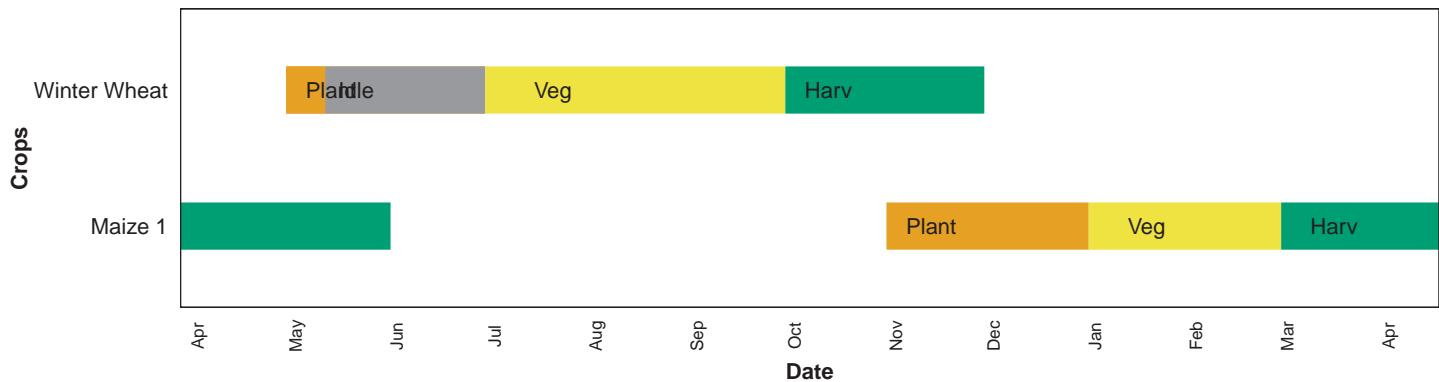


Zambia

Zambia cases over time



Zambia Copperbelt



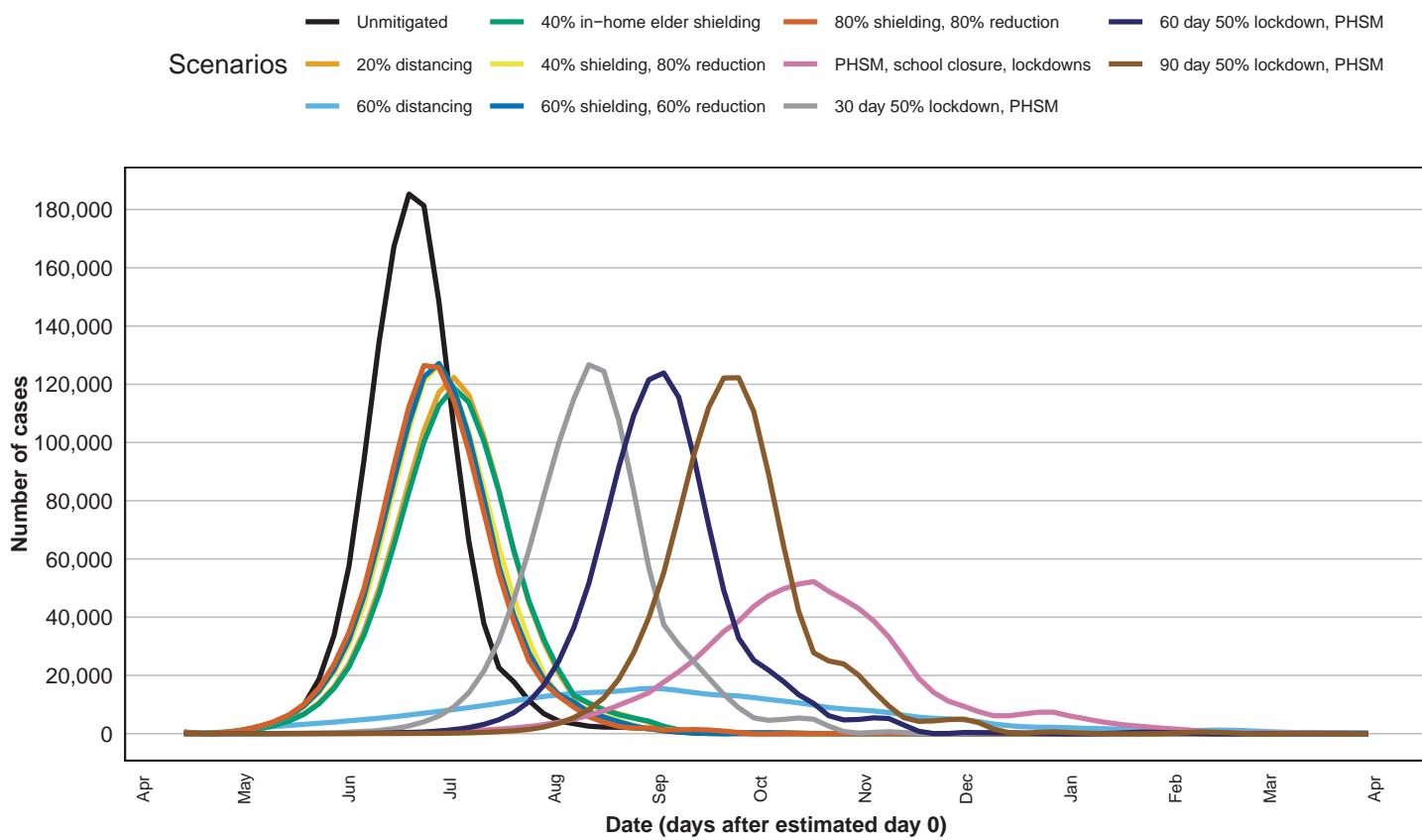
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

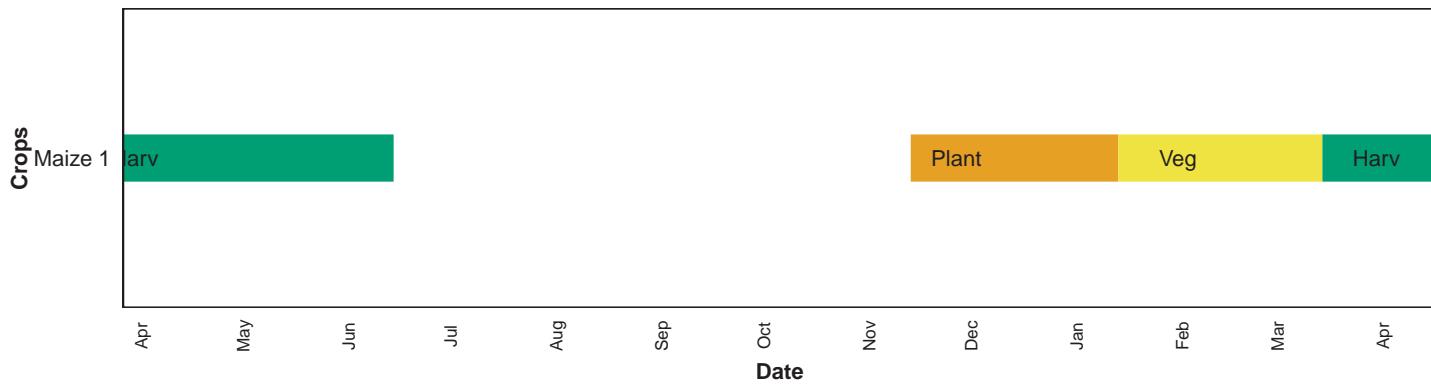


Zambia

Zambia cases over time



Zambia Eastern



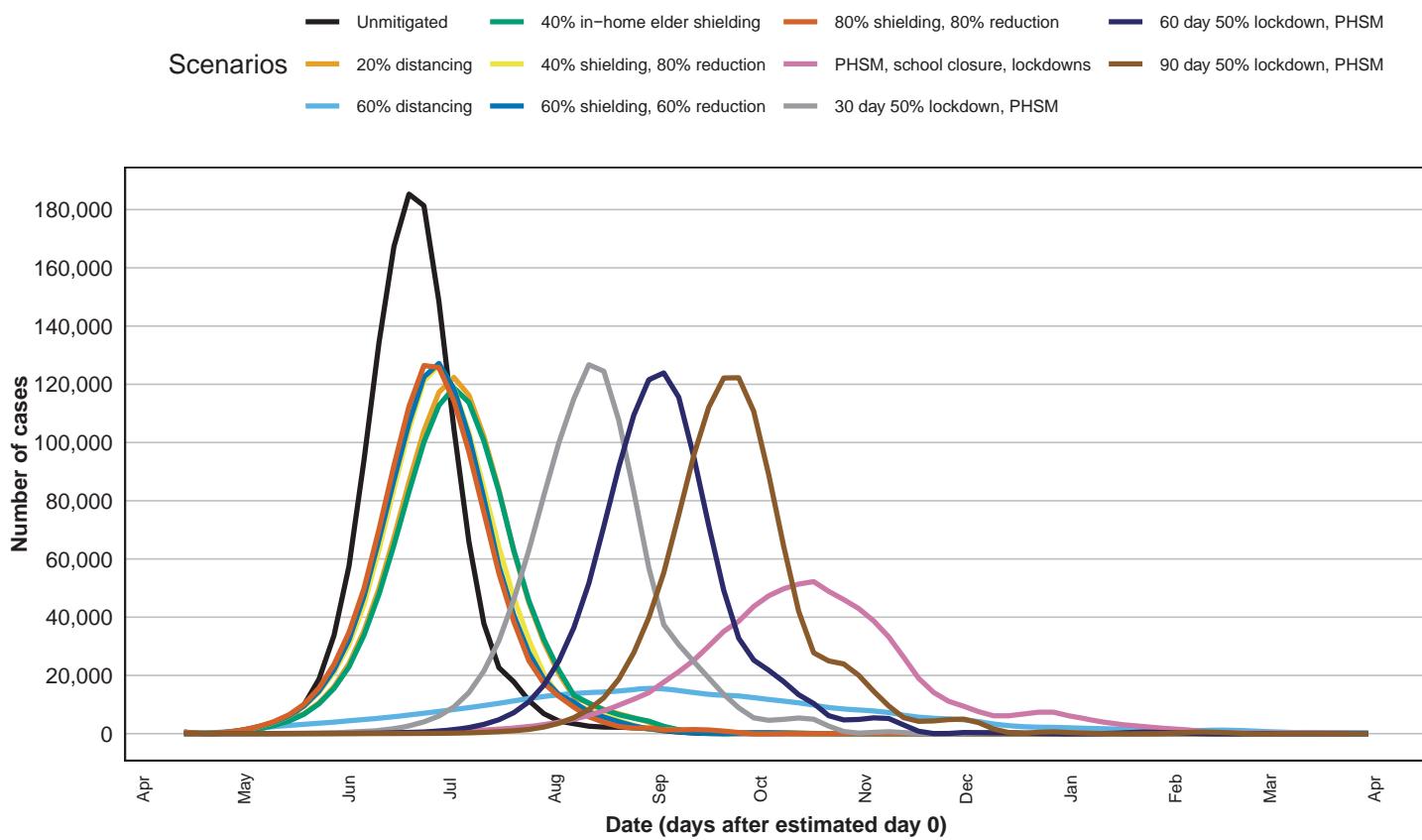
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

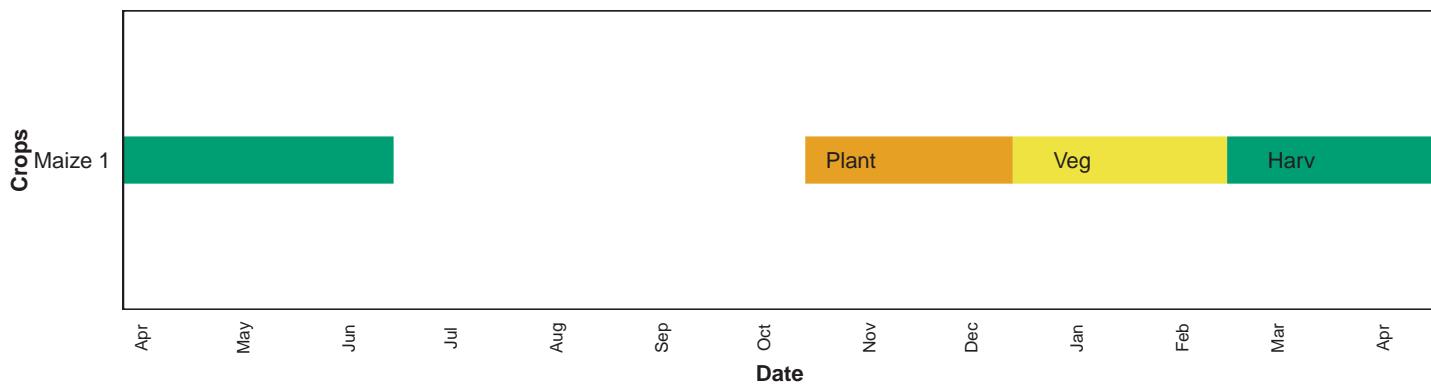


Zambia

Zambia cases over time



Zambia Luapula



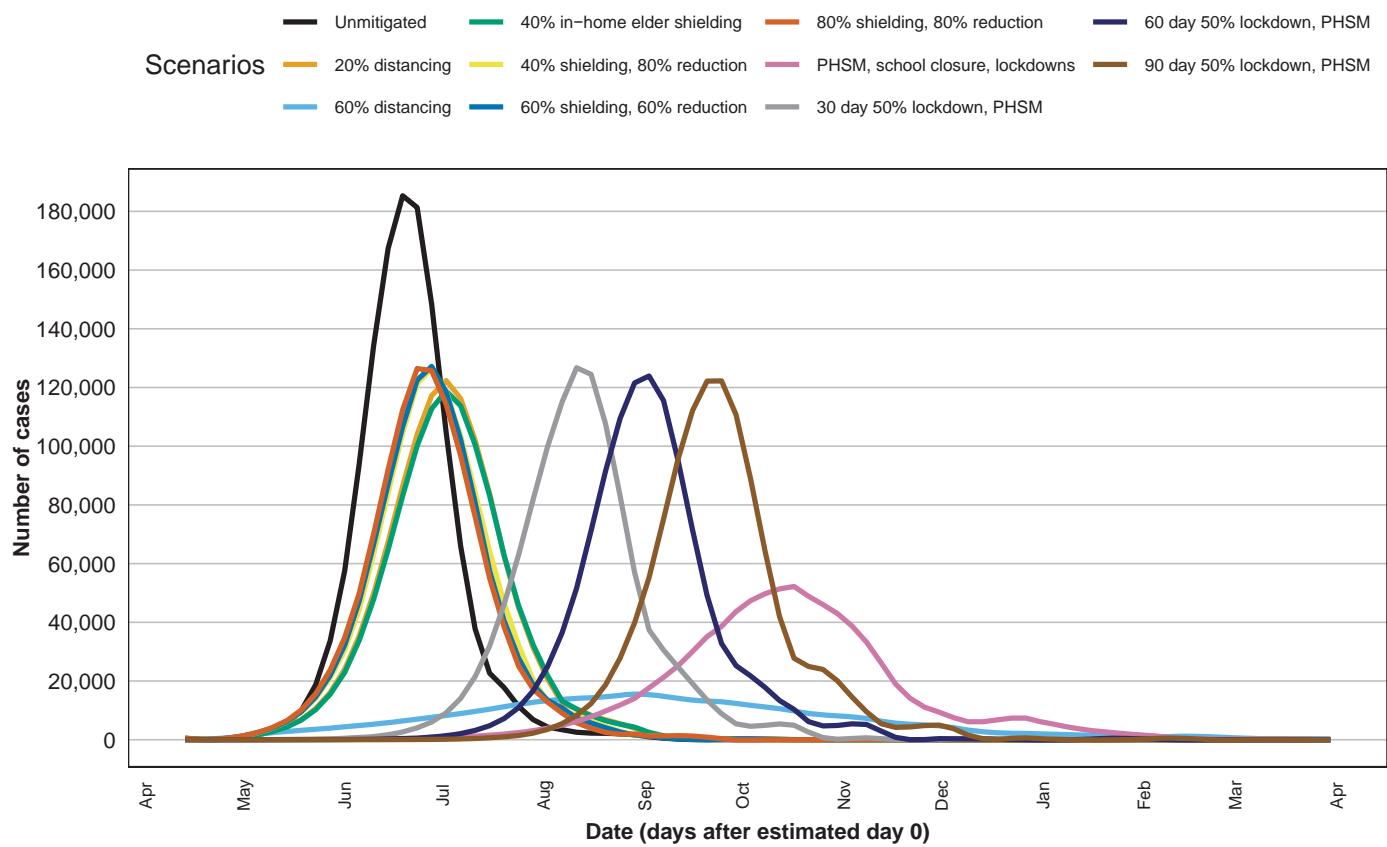
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

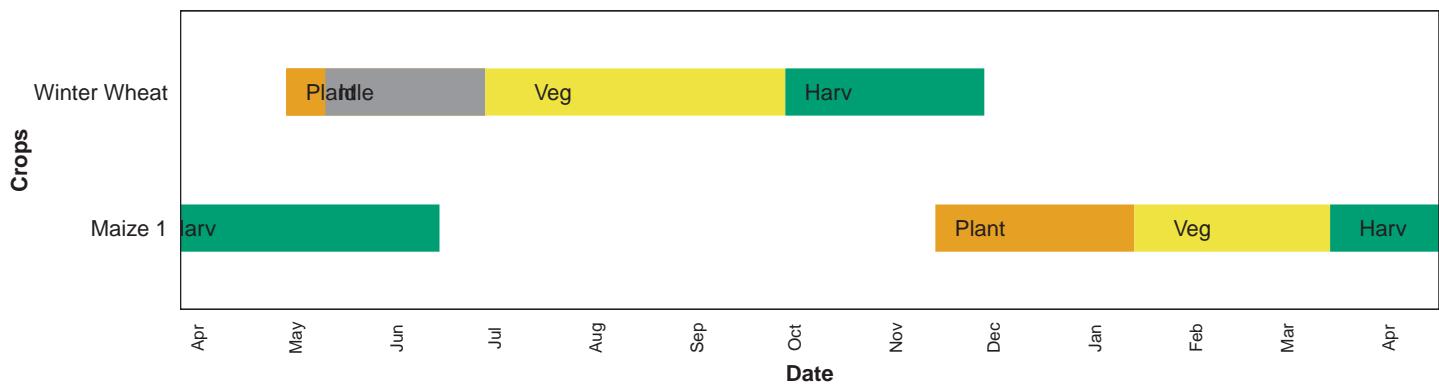


Zambia

Zambia cases over time



Zambia Lusaka



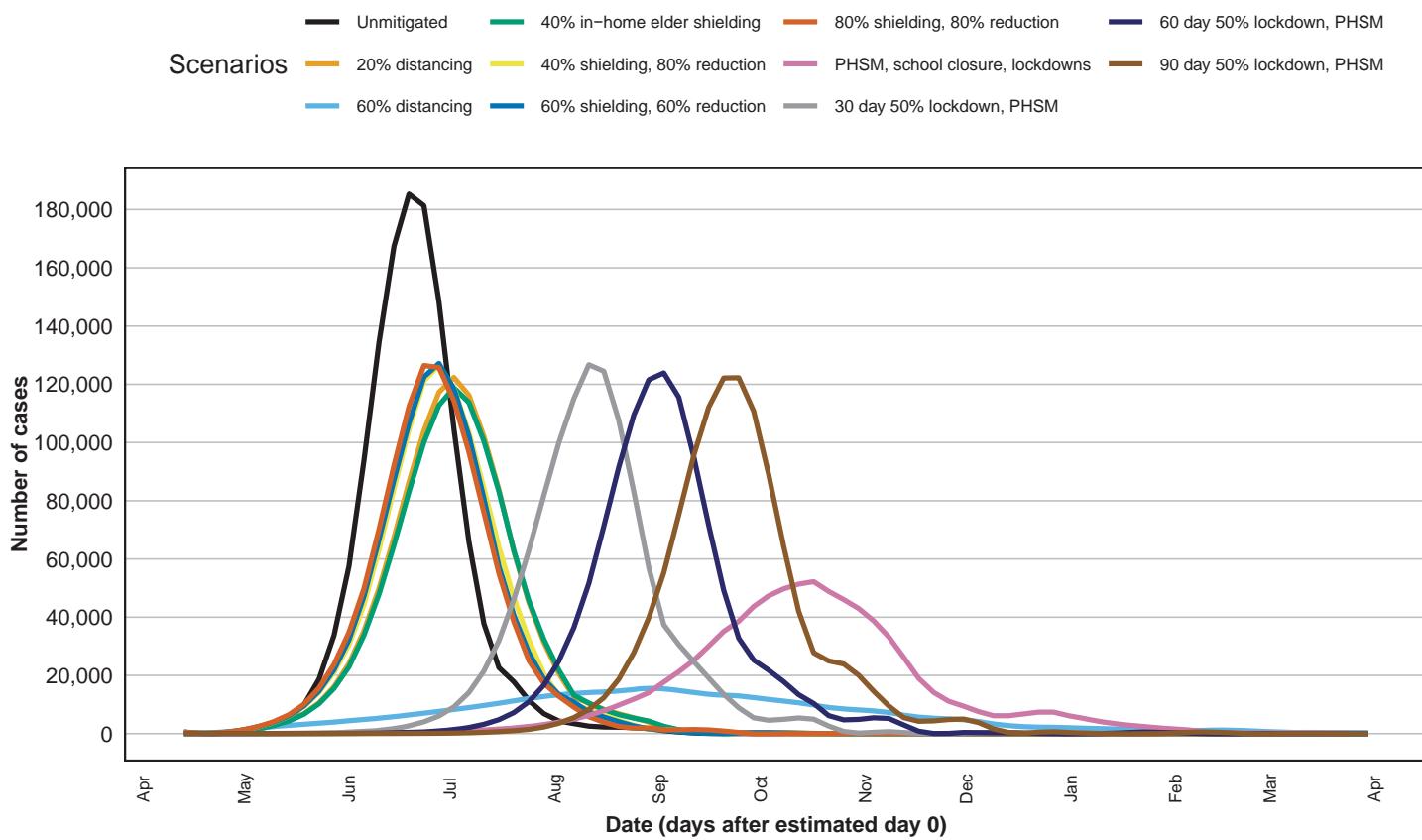
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

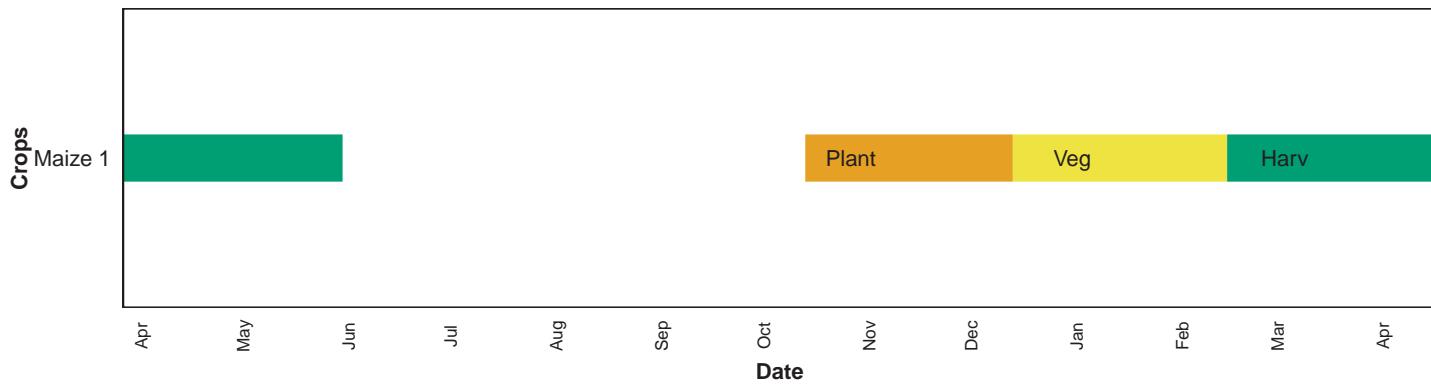


Zambia

Zambia cases over time



Zambia North-Western



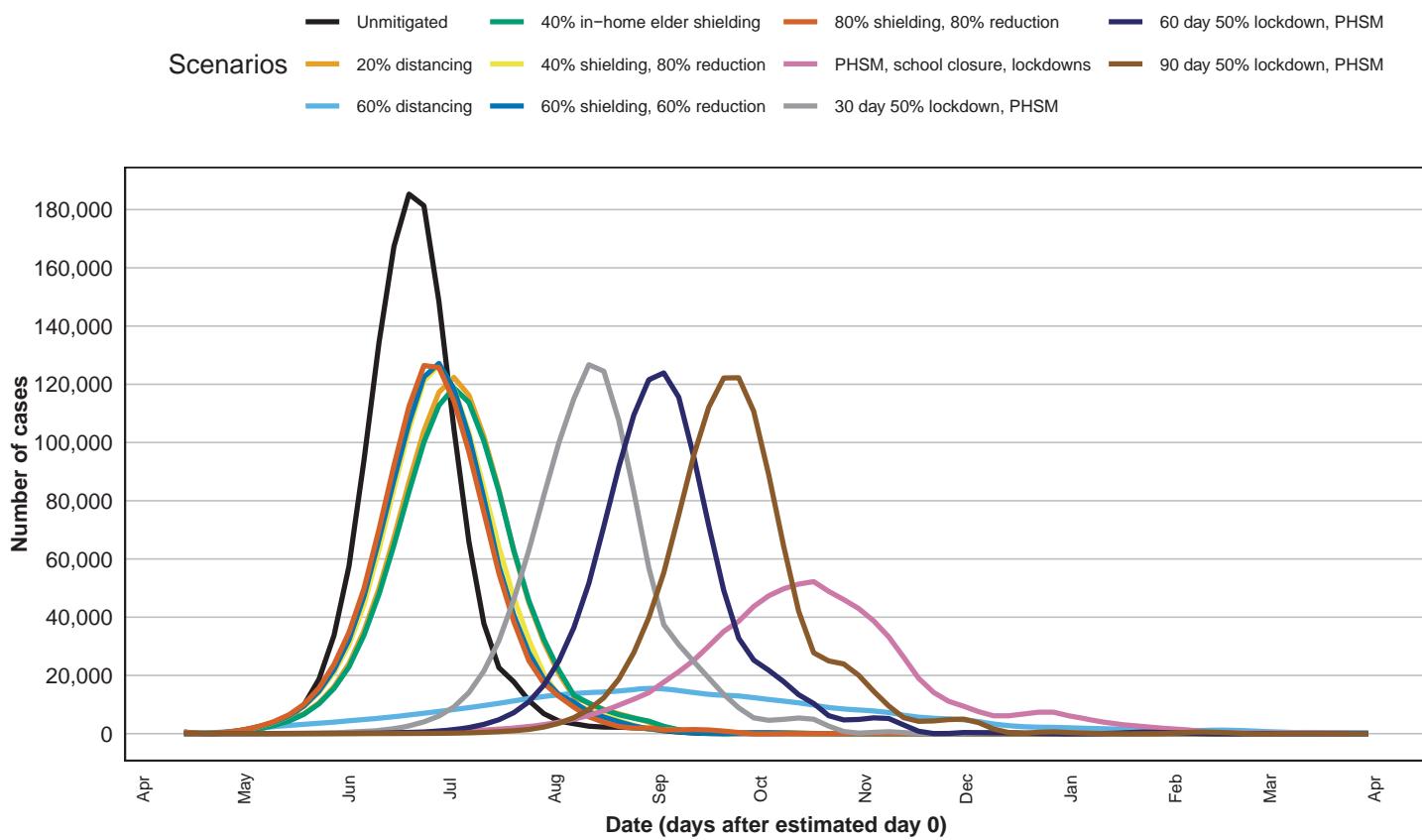
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

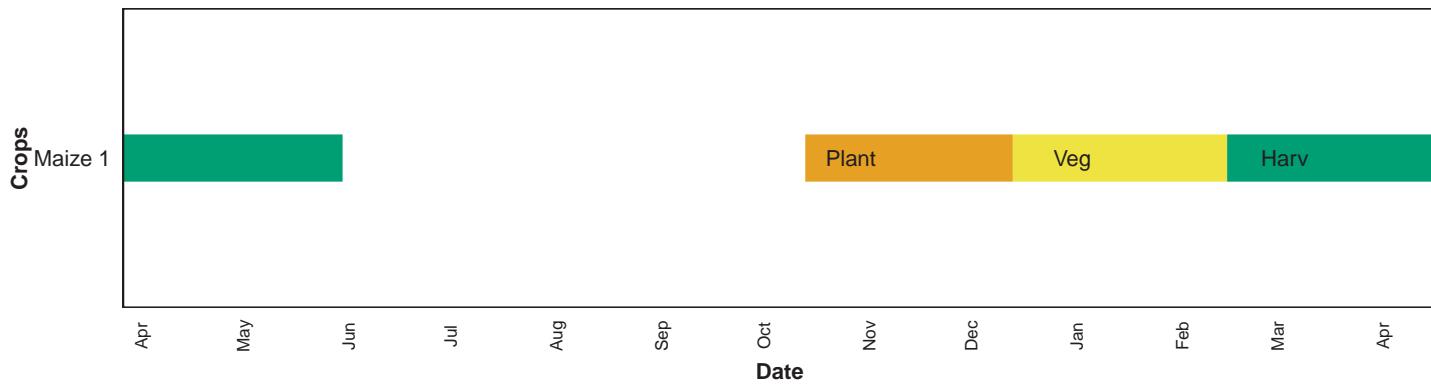


Zambia

Zambia cases over time



Zambia Northern



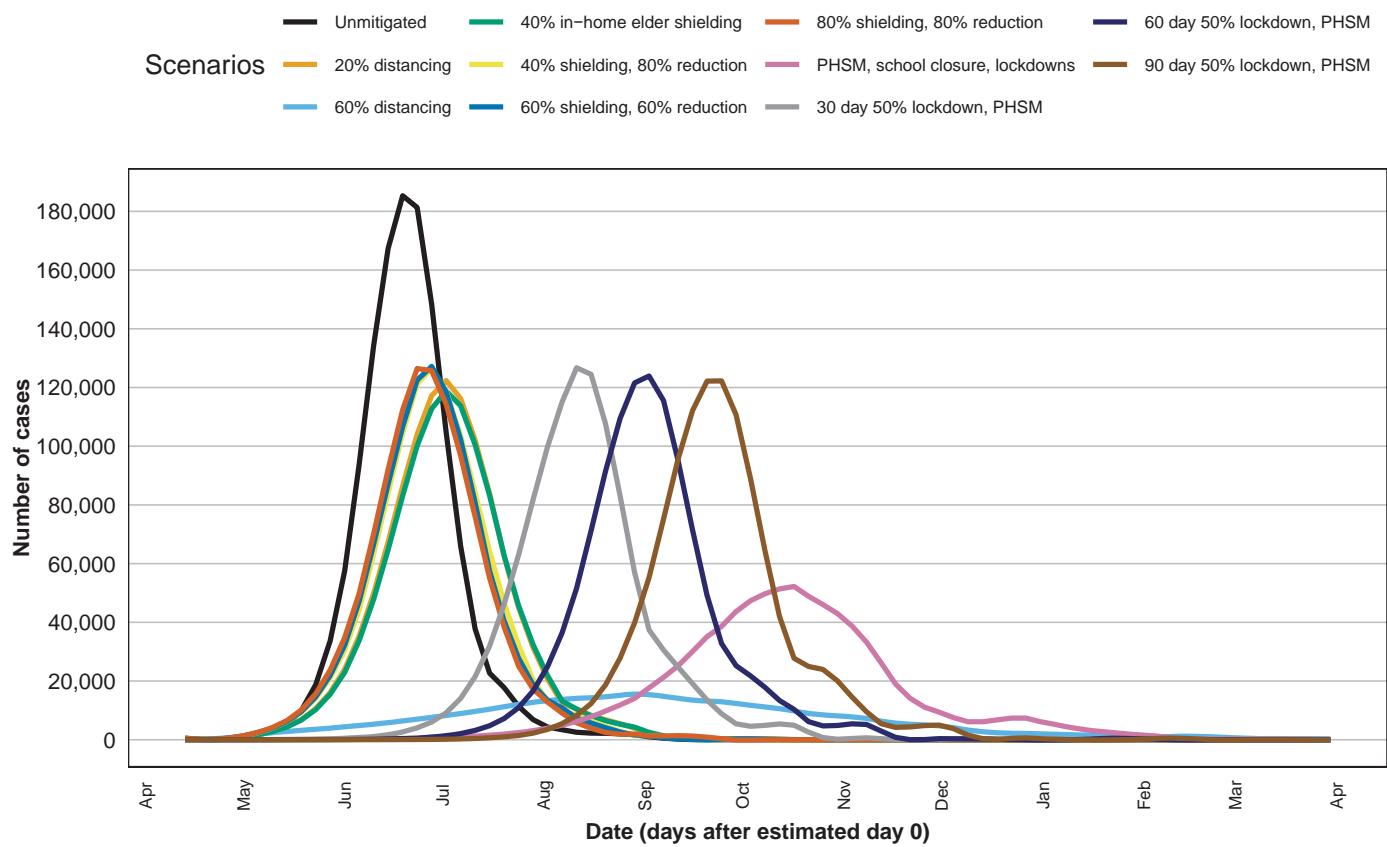
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

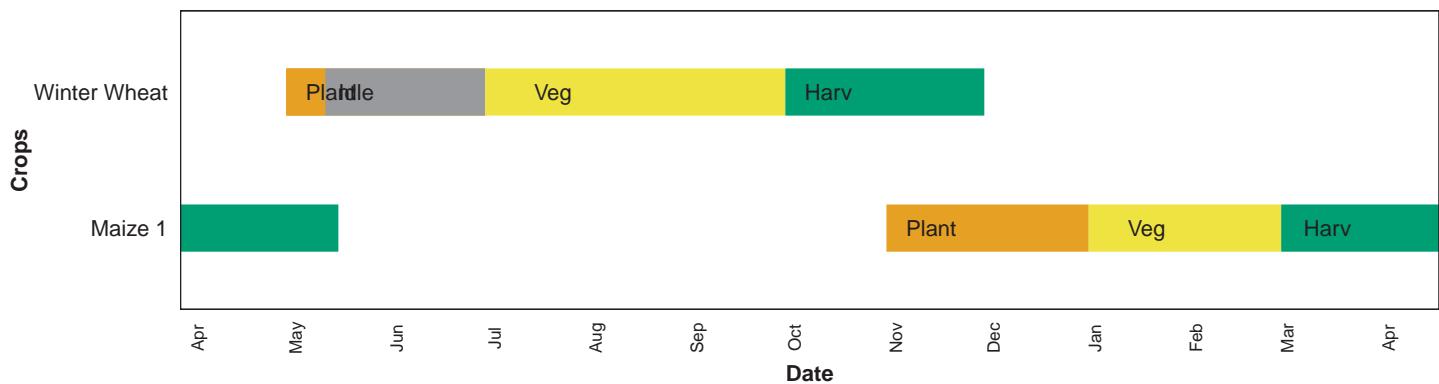


Zambia

Zambia cases over time



Zambia Southern



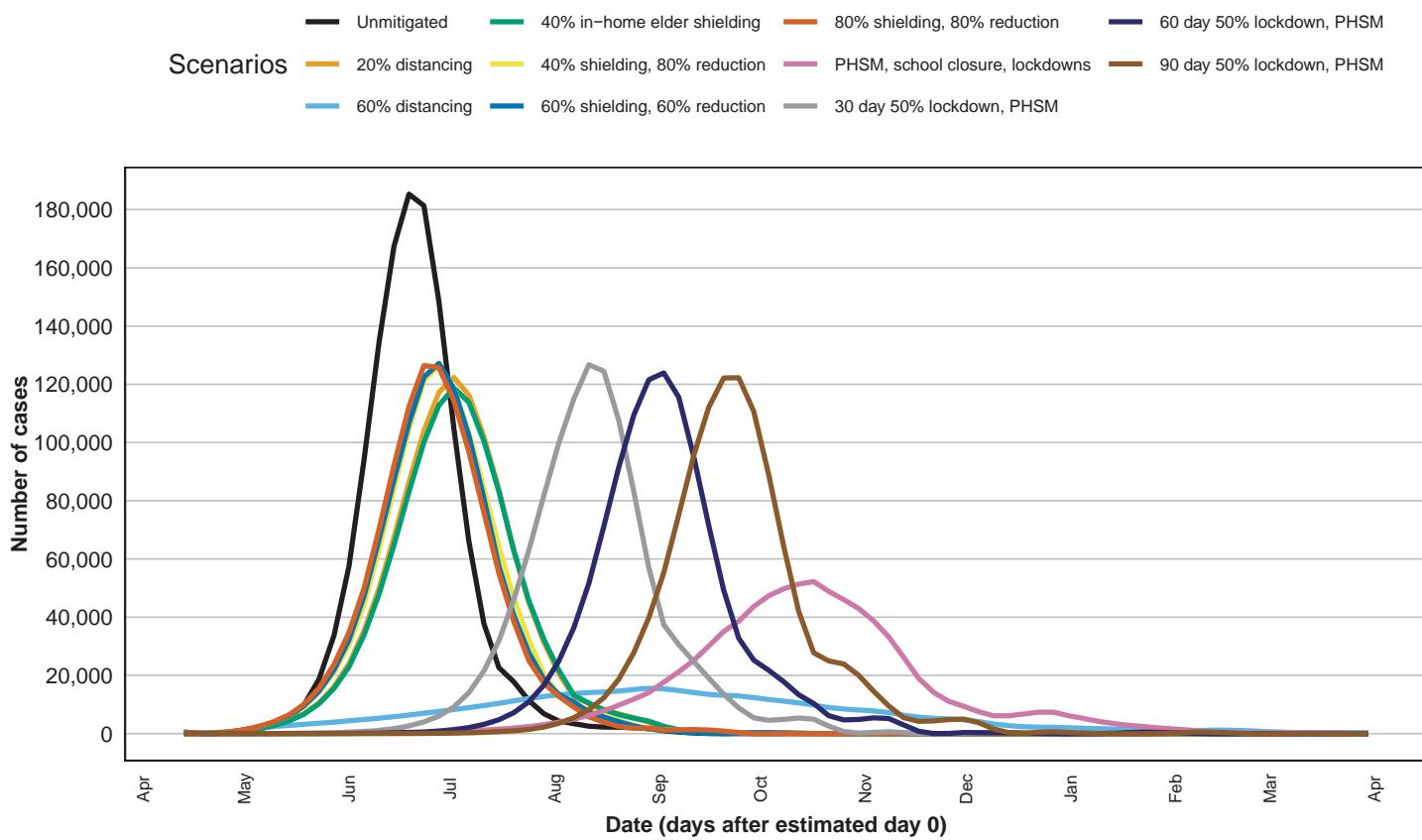
Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbrunner@usaid.gov.

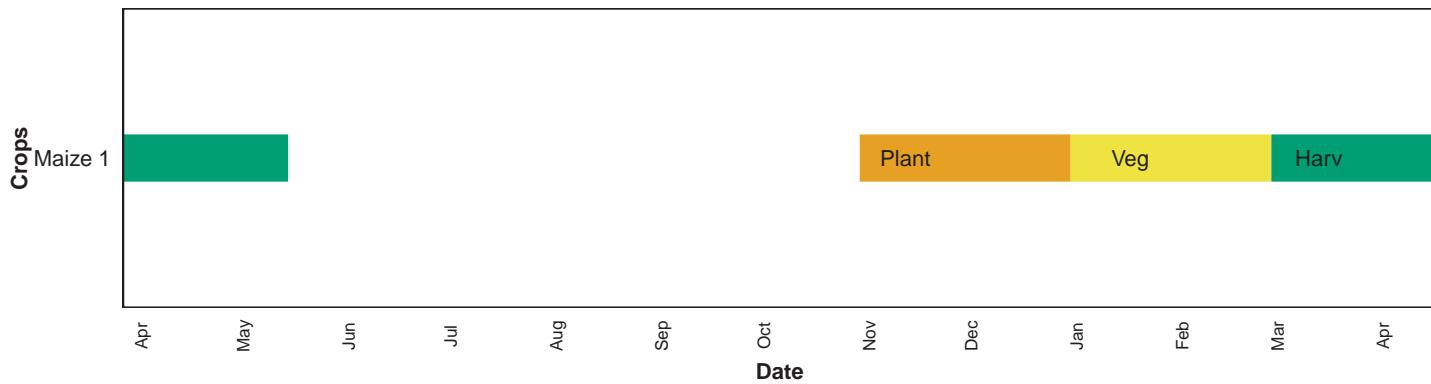


Zambia

Zambia cases over time



Zambia Western



Data sources

- Model projections of COVID-19 cases and deaths over time: Centre for the Mathematical Modelling of Infectious Diseases (CMMID) at the London School of Hygiene & Tropical Medicine (LSHTM); <https://cmmid.github.io/topics/covid19/LMIC-projection-reports.html>
- Crop calendars: Crop Monitor initiative from Group on Earth Observations Global Agricultural Monitoring Initiative (GEOGLAM); <https://cropmonitor.org/index.php/eodataools/baseline-data/>.
- GEOGLAM major crop type areas are based on the IFPRI/IIASA SPAM 2005 beta release (2013), USDA/NASS 2013 CDL, 2013 AAFC Annual Crop Inventory Map, GLAM/UMD, GLAD/UMD, Australian Land Use and Management Classification (Version 7), SIAP, ARC, and JRC. Country administrative boundaries are from GADM version 4 (<https://gadm.org/data.html>). Names and boundaries are not necessarily authoritative.
- Prepared by the Data, Monitoring, and Analytics Team at USAID/Bureau for Resilience and Food Security; <https://www.usaid.gov/who-we-are/organization/bureaus/bureau-resilience-and-food-security>. For questions on this analysis, please contact chillbruner@usaid.gov.

