

INFORM COVID RISK INDEX

VERSION 0.1.2 17 April 2020

RESULTS AND ANALYSIS

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Background

INFORM is a multi-stakeholder forum for developing shared, quantitative analysis relevant to humanitarian crises and disasters. INFORM includes organisations from across the multilateral system, including the humanitarian and development sector, donors, and technical partners. The Joint Research Center of European Commission is the scientific and technical lead for INFORM.

INFORM is developing a suite of quantitative, analytical products to support decision-making on humanitarian crises and disasters. These help make decisions at different stages of the disaster management cycle, specifically prevention, preparedness and response. INFORM develops methodologies and tools for use at the global level and also supports their application at subnational level.

In response to the COVID-19 pandemic, INFORM has released a COVID Risk Index to support the specific decision-making needs of humanitarian and other organisations.

Purpose and scope

The INFORM COVID-19 Risk Index is a composite index that identifies: "countries at risk from health and humanitarian impacts of COVID-19 that could overwhelm current national response capacity, and therefore lead to a need for additional international assistance".

The INFORM COVID-19 Risk Index is primarily concerned with structural risk factors, i.e. those that existed before the outbreak. In other words, it tells us about the risk from COVID-19 if there is community transmission of the disease in a country. It can be used to support prioritization of preparedness and early response actions for the primary impacts of the pandemic, and identify countries where secondary impacts are likely to have the most critical humanitarian consequences.

The main scope of the INFORM COVID-19 Risk Index is global and regional risk-informed resource allocation, i.e. where comparable understanding of countries' risk is important. It cannot predict the impacts of the pandemic in individual countries. It does not consider the mechanisms behind secondary impacts - for example how a COVID-19 outbreak could increase conflict risk.

INFORM is working on developing other products that can help monitor changing risks as a result of the pandemic.

Methodology

Starting points

The **INFORM Epidemic Risk Index** is highly relevant, easily adapted and was developed through an **extensive process** prior to COVID-19. Therefore it has been used as the starting point for a COVID-19 specific risk index, with the structure and relevant indicators retained as far as possible.

The INFORM Epidemic Risk Index consists of Hazard & Exposure, Vulnerability and Lack of Coping Capacity dimensions. The Person to Person component of Hazard & Exposure is the most relevant to COVID-19 and is used alone.

Vulnerability and Lack of Coping Capacity consist of hazard dependent (specific to the epidemic hazard) and hazard independent (relevant to all hazards covered by the INFORM Global Risk Index). Both parts are retained:

- There are many indicators or broader vulnerability and lack of coping capacity that are directly relevant for COVID-19.
- COVID-19 will compound existing risks (i.e. will not happen alone), so broader factors of vulnerability and lack of coping capacity are important when considering the humanitarian impact of the pandemic.

The main focus of the adaptation for COVID-19 is improvement of the hazard-dependent parts of the index (i.e. factors specific to COVID-19), but within the existing structure.

The COVID-19 Risk Index (like other INFORM risk indexes) is focused on structural factors. It does not contain rapidly changing information, for example on cases, government restrictions, and changing health system capacity in response to the pandemic. However, INFORM is looking at how dynamic risk information on COVID-19 can be organised and potentially aggregated for use in conjunction with the risk index

Only risk factors for which there is sufficient evidence are included.

Key changes to the INFORM Epidemic Risk Index analytical framework

The following changes were made to the original INFORM Epidemic Risk Index analytical framework. The full analytical framework for the INFORM COVID-19 Risk Index is shown on Page 2.¹ The previously published INFORM Risk methodology is applied.²

The changes to the analytical framework are based on literature review and expert input and take into account:

- 1) the most relevant and certain factors relating to COVID-19;
- 2) availability of comprehensive and quality indicators that measure the identified factors directly or by proxy.

All of the research around COVID-19 is new. Only factors where there is sufficient published or pre-publication evidence, or that are widely accepted and publicized by credible organisations are included.

Hazard & Exposure

• Only the Person to Person component is used.

Vulnerability

- Movement and behaviour components retained. Although these are less relevant during restrictions on movement, they will become more relevant when restrictions are partially or fully lifted.
- Demographic and Comorbidities specific to COVID-19 added.
- · Less relevant vulnerable groups removed.

Lack of Coping Capacity

- Health system capacity specific to COVID-19 added.
- Less relevant institutional and infrastructure capacities removed.

Analysis

In this paper, we show how the INFORM COVID Risk Index can be used with other INFORM products to support prioritisation of preparedness and early response activities for the pandemic.

We also discuss the relevant importance of COVID-specific vulnerabilities and broader vulnerabilities in countries from different income groups.

Access to data, revisions and updates

The INFORM COVID-19 Risk Index may be revised to take into account feedback or increased scientific understanding of the pandemic and its effects. However, since most of the data is structural, there is no plan to update the index on a regular basis.

The latest version of the index and other INFORM products can be found on the **INFORM website** or **HDX page**.

¹ Poljanšek, K., Marin-Ferrer, M., Vernaccini, L., Messina, L., Incorporating epidemics risk in the INFORM Global Risk Index, EUR 29603 EN, Publications Office of the European Union, Luxembourg, 2018, ISBN 978-92-79-98670-3, doi:10.2760/647382, JRC114652

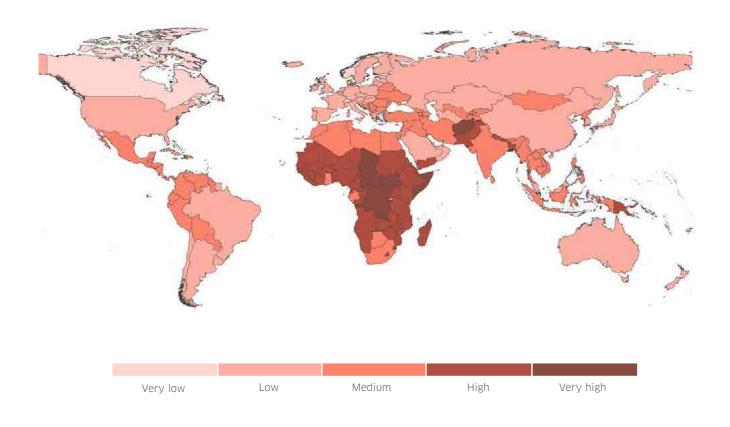
² Marin-Ferrer, M., Vernaccini, L. and Poljansek, K., Index for Risk Management INFORM Concept and Methodology Report – Version 2017. EUR 28655 EN. doi:10.2760/094023

INFORM COVID RISK INDEX ANALYTICAL FRAMEWORK

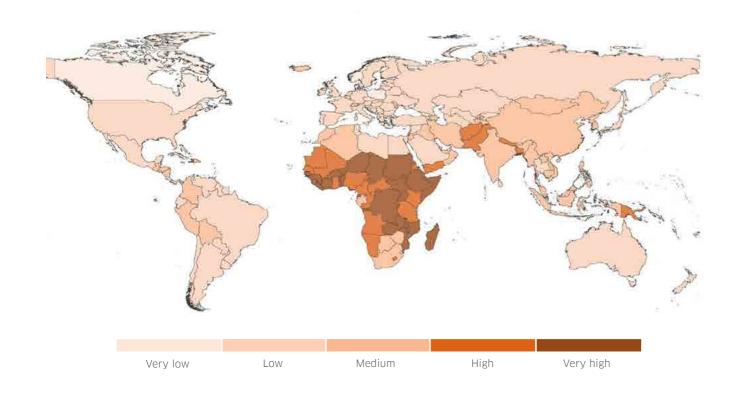
Dimension	Category	Component	Sub-component	Sub-component
			Population density	
			Urban population growth	
		Population	Population living in urban areas	
Hazard & Evpacura	Derson to person		Population living in slums	
Hazard & Exposure	Person to person		Household size	
			Sanitation	
		WaSH	Drinking water	
			Hygiene	
				Air transport, passengers carried
			International movement	International tourism, number of arrivals
		Movement (25%)		Point of entry
			Internal movement	Access to Cities
			memai movement	Road density
	Covid-19 Vulnerability			Adult literacy rate
		Behaviour (25%)	Awareness	Mobile cellular subscriptions
		Bendvioor (25%)		Internet users
			Trust	
		Demographic and Comorbidities (50%)	Proportion of the population at increased risk of severe COVID-19 disease	1+ underlying conditions plus 0 conditions (65+ yrs)
				Human Development Index
Vulnerability			Development & Deprivation	Multidimensional Poverty Index
			la aqualitu	Gender Inequality Index
		Socio-Economic Vulnerability	Inequality	Gini Index
				Public Aid per capita (US\$)
			Economic Dependency Index	Net ODA received (% of GNI)
	INFORM Vulnerability			Volume of remittances
	IN ONW VOIDER ADMITY		Uprooted people	
				HIV
			Health Conditions	Incidence of Tuberculosis
		Vulnerable Groups	ricartii conditions	Malaria incidence per 1,000 population at risk
				People requiring interventions against neglected tropical diseases
			Food Security	Food Availability Score
			rood secority	Food Utilization Score
	Covid-19 Lack of coping capacity	Health Capacity	Health system capacity specific to	International Health Regulations Core Capacities average score
	covid 13 Edek of coping capacity	Treath capacity	Covid-19	Country Preparedness and Response Status for COVID-19
		Institutional	Governance	Corruption Perception Index
Lack of coping capacity				Government Effectiveness
	INFORM Lack of coping capacity			Health system capacity
	and the second capacity	Infrastructure	Access to health care	Immunization coverage
			The state of the s	Per capita public and private expenditure on health care
				Maternal Mortality ratio

INFORM COVID RISK INDEX: RESULTS

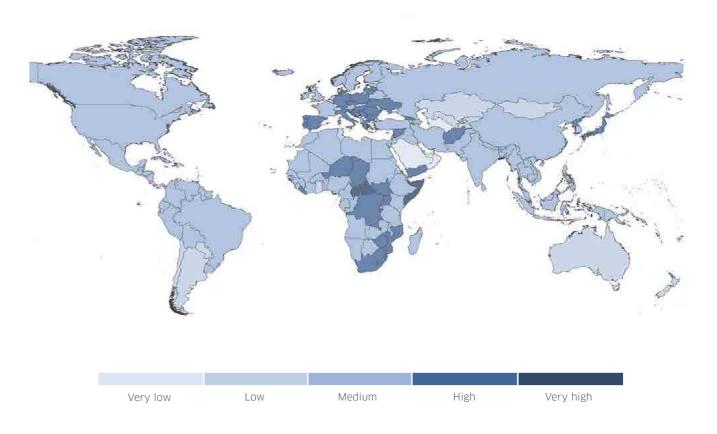
INFORM COVID Risk Index



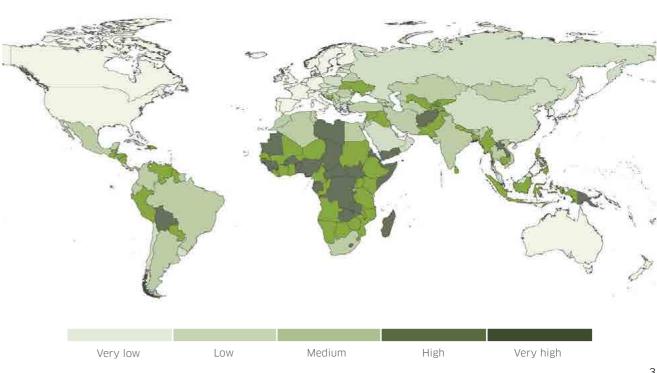
INFORM COVID Risk Index: Hazard & Exposure dimension



INFORM COVID Risk Index: Vulnerability dimension



INFORM COVID Risk Index: Lack of Coping Capacity dimension



INFORM COVID RISK INDEX: RESULTS

(0-10 where 10 is higher risk or contribution to risk)

COUNTRY	1503	P2P	COVID-19 HAZARD & EXPOSURE	Development & Deprivation	Inequality	Aid dependancy	Socio-Economic vulnerability	Uprooted people	Health conditions	Food security	GBV	Vulnerable groups	VULNERABILITY (Hazard-independent)	Movements	Behaviour	Demographic and co- morbidity	COVID-19 VULNERABILITY	VULNERABILITY	Governance	Institutional	Access to health care	Infrastructure	LACK OF COPING CAPACITY (Hazard- independent)	COVID-19 LACK OF COPING CAPACITY	LACK OF COPING CAPACITY	INFORM COVID-19 RISK	COVID-19 RISK CLASS	Rank
(a-z)	(a-z)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(Very Low-Very High)	(1-191)
Afghanistan	AFG	6.4	6.4	8.6	7.7	6.8	7.9	9.7	2.1	7.8	10.0	8.5	8.2	2.2	8.4	1.6	3.5	6.4	8.2	8.2	8.3	8.3	8.3	7.0	7.7	6.8	Very High	5
Albania	ALB	3.6	3.6	1.9	2.1	2.3	2.1	0.9	0.2	1.8	3.7	1.7	1.9	5.4	4.7	6.4	5.7	4.1	5.7	5.7	3.7	3.7	4.8	5.0	4.9	4.2	Medium	88
Algeria	DZA	4.3	4.3	3.1	3.3	0.3	2.5	5.4	0.4	0.3	5.9	3.4	3.0	4.5	5.8	3.2	4.2	3.6	6.2	6.2	4.0	4.0	5.2	2.3	3.9	3.9	Medium	104
Angola	AGO	6.5	6.5	8.1	6.1	0.1	5.6	4.8	5.0	6.3	4.4	5.2	5.4	3.7	8.1	0.0	3.0	4.3	7.3	7.3	7.4	7.4	7.4	4.6	6.2	5.6	High	37
Antigua and Barbuda Argentina	ATG ARG	2.8	2.8	2.5	4.4	0.0	2.9 1.8	0.0 2.8	0.0	5.8 1.1	1.4	2.4 1.4	2.7 1.6	5.4	1.1 5.4	4.8	4.0 4.6	3.4	5.0 5.2	5.0	3.7 2.5	3.7 2.5	4.4 4.0	5.4 4.3	4.9	3.6	Medium Low	131 139
Armenia	ARM	2.7	2.7	1.5	2.8	2.2	2.0	4.6	0.3	2.0	0.9	2.1	2.1	6.2	4.5	6.8	6.1	4.4	5.4	5.4	3.0	3.0	4.3	3.4	3.8	3.6	Medium	131
Australia	AUS	2.5	2.5	0.0	2.1	0.0	0.5	5.8	0.1	1.2	0.3	2.2	1.4	5.6	3.4	5.6	5.1	3.5	2.1	2.1	1.0	1.0	1.6	0.5	1.1	2.1	Low	183
Austria	AUT	2.5	2.5	0.0	1.2	0.1	0.3	7.0	0.1	0.2	0.5	2.6	1.5	6.7	3.7	8.4	6.8	4.7	2.2	2.2	0.6	0.6	1.4	3.3	2.4	3.0	Low	161
Azerbaijan	AZE	4.1	4.1	2.9	2.4	0.5	2.2	8.1	0.8	1.3	2.7	4.0	3.2	5.2	3.1	4.4	4.3	3.8	6.1	6.1	2.4	2.4	4.5	3.4	3.9	3.9	Medium	104
Bahamas	BHS	3.4	3.4	1.9	4.7	10.0	4.6	0.9	1.6	4.6	Х	2.5	3.6	4.5	3.6	4.4	4.2	3.9	3.8	3.8	3.5	3.5	3.7	5.0	4.4	3.9	Medium	104
Bahrain	BHR	6.4	6.4	1.2	2.8	0.0	1.3	1.1	0.1	1.7	Х	1.0	1.2	8.6	2.8	2.8	4.3	2.9	5.2	5.2	3.0	3.0	4.2	1.9	3.1	3.9	Medium	104
Bangladesh	BGD	5.7	5.7	7.4	4.5	1.8	5.3	7.7	2.0	4.3	4.9	5.1	5.2	6.1	7.0	1.2	3.9	4.6	7.0	7.0	5.3	5.3	6.2	4.6	5.5	5.2	High	48
Barbados	BRB	3.0	3.0	2.6	3.4	1.1	2.4	0.0	1.1	2.0	X	1.1	1.8	7.3	4.2	8.0	6.9	4.8	4.0	4.0	2.9	2.9	3.5	5.0	4.3	4.0	Medium	98
Belarus	BLR	2.9	2.9	1.7	0.9	0.4	1.2	1.8	0.6	1.2	0.4	1.0	1.1	7.1	2.2	8.0	6.3	4.2	5.6	5.6	1.6	1.6	3.9	5.0	4.5	3.8	Medium	112
Belgium Belize	BEL BLZ	3.4 2.6	3.4 2.6	0.0	0.7 5.2	0.4	0.3 3.7	5.4 3.6	0.1 1.3	0.2 2.4	0.9 x	2.0	1.2 3.1	7.9	4.0 7.2	8.0 2.4	7.0 4.0	4.7 3.6	2.6 6.2	2.6 6.2	0.8 4.6	0.8 4.6	1.7 5.5	1.0 5.9	5.7	2.8 3.8	Low Medium	168 112
Benin	BEN	7.0	7.0	8.7	7.0	1.8	6.6	1.3	4.5	2.4	4.4	3.3	5.2	2.9	7.2	0.4	2.9	4.1	6.0	6.0	6.8	6.8	6.4	7.0	6.7	5.8	High	27
Bhutan	BTN	3.9	3.9	7.2	4.5	1.9	5.2	0.0	1.5	4.3	8.5	4.5	4.9	2.4	5.0	1.6	2.7	3.9	3.8	3.8	5.0	5.0	4.4	4.9	4.6	4.1	Medium	91
Bolivia	BOL	4.6	4.6	5.9	5.4	1.2	4.6	0.9	1.1	5.0	3.9	2.9	3.8	4.6	6.7	2.0	3.8	3.8	6.3	6.3	5.0	5.0	5.7	7.5	6.7	4.9	Medium	61
Bosnia and Herzegovina	BIH	2.1	2.1	3.0	2.1	2.6	2.7	7.1	0.3	1.4	0.5	2.9	2.8	4.6	5.7	9.2	7.2	5.4	6.3	6.3	3.9	3.9	5.2	7.1	6.2	4.1	Medium	91
Botswana	BWA	3.9	3.9	3.4	6.7	0.5	3.5	2.2	4.2	7.0	Х	4.8	4.2	2.2	4.6	5.2	4.3	4.3	4.1	4.1	4.8	4.8	4.5	7.4	6.2	4.7	Medium	67
Brazil	BRA	3.0	3.0	3.7	6.1	0.1	3.4	5.2	0.7	1.3	1.0	2.3	2.9	4.6	6.5	3.2	4.4	3.7	6.2	6.2	3.9	3.9	5.2	1.9	3.7	3.5	Medium	136
Brunei Darussalam	BRN	3.9	3.9	1.1	3.1	0.0	1.3	0.0	0.4	1.9	Х	0.8	1.1	4.7	3.2	4.0	4.0	2.7	3.3	3.3	2.6	2.6	3.0	2.5	2.8	3.1	Low	156
Bulgaria	BGR	2.7	2.7	1.7	3.0	0.6	1.8	4.3	0.2	2.4	2.0	2.3	2.1	5.9	5.1	10.0	7.8	5.6	5.1	5.1	1.7	1.7	3.6	3.1	3.3	3.7	Medium	119
Burkina Faso	BFA	7.7	7.7	9.7	5.4	3.2	7.0	8.8	4.0	4.3	3.7	5.7	6.4	2.6	7.5	0.0	2.5	4.7	6.1	6.1	6.7	6.7	6.4	7.3	6.9	6.3	High	10
Burundi	BDI	6.8	6.8	9.6	5.2	4.8	7.3	6.8	3.5	8.8	7.6	7.1	7.2	4.1	6.9	0.0	2.8	5.4	8.0	8.0	7.0	7.0	7.5	7.6	7.6	6.5	Very High	8
Cabo Verde	CPV	4.7	4.7 4.9	5.0 7.5	5.3	4.1	4.9	0.0	1.7	3.7	1.5	1.8	3.5	4.3	4.7	2.0	3.3	3.4	4.3 7.1	4.3	4.7	4.7 6.0	4.5	6.5	5.6	4.5	Medium	76
Cambodia Cameroon	KHM CMR	4.9 6.4	6.4	7.9	6.3	1.9	5.8 6.1	9.0	2.7 6.3	4.7 2.6	4.3 5.8	3.1 6.5	4.6 6.3	4.3 3.2	5.9 6.5	0.0	3.6 2.4	4.1	7.1	7.1	6.0	6.8	6.6 7.0	5.2 5.6	5.9 6.4	4.9 5.7	Medium High	61 31
Canada	CAN	2.0	2.0	0.0	1.7	0.0	0.4	6.2	0.1	0.6	0.9	2.4	1.5	5.7	3.4	6.8	5.7	3.9	2.0	2.0	1.9	1.9	2.0	0.1	1.1	2.0	Low	188
Central African Republic	CAF	6.5	6.5	10.0	8.5	10.0	9.6	9.8	8.8	9.6	7.9	9.2	9.4	1.1	9.3	0.4	2.8	7.3	8.0	8.0	9.3	9.3	8.7	9.4	9.1	7.6	Very High	1
Chad	TCD	7.7	7.7	10.0	7.0	7.0	8.5	8.6	3.6	8.5	6.5	7.2	7.9	2.7	8.4	0.0	2.8	5.9	8.1	8.1	9.8	9.8	9.1	7.3	8.3	7.2	Very High	4
Chile	CHL	2.9	2.9	1.1	4.6	0.0	1.7	3.4	0.6	1.6	1.1	1.7	1.7	4.9	4.3	4.8	4.7	3.3	3.1	3.1	3.0	3.0	3.1	2.6	2.8	3.0	Low	161
China	CHN	4.0	4.0	3.7	2.8	0.0	2.6	5.3	0.4	1.8	4.1	3.1	2.9	5.9	3.7	5.6	5.2	4.1	5.0	5.0	3.3	3.3	4.2	0.3	2.5	3.4	Low	139
Colombia	COL	3.8	3.8	3.9	5.9	1.3	3.8	10.0	0.6	1.2	2.7	5.5	4.7	4.4	5.8	3.2	4.2	4.5	5.8	5.8	4.1	4.1	5.0	4.2	4.6	4.3	Medium	80
Comoros	COM	6.6	6.6	7.9	5.1	3.9	6.2	0.0	2.7	7.3	0.9	3.3	4.9	2.7	7.9	0.0	2.7	3.9	7.9	7.9	5.7	5.7	6.9	9.1	8.2	6.0	High	19
Congo	COG	5.9	5.9	6.8	6.9	1.0	5.4	7.4	5.7	9.0	6.7	7.4	6.5	2.7	6.2	0.8	2.6	4.8	7.8	7.8	6.9	6.9	7.4	5.2	6.4	5.7	High	31
Congo DR Costa Rica	COD CRI	7.9	7.9 3.2	9.2	6.5 4.8	1.9 0.4	6.7 2.4	9.0 5.2	5.5 0.3	9.2	8.8 0.4	8.4 2.2	7.7 2.3	2.8 5.2	7.5 4.0	0.0	2.6 4.5	5.7 3.5	8.2 4.3	8.2 4.3	7.0 3.7	7.0 3.7	7.7	5.8 2.8	6.9 3.4	6.8	Very High	5 139
Côte d'Ivoire	CIV	6.6	6.6	8.3	6.5	0.4	6.0	7.1	5.2	4.2	5.4	5.6	5.8	4.3	5.8	0.4	2.7	4.4	6.3	6.3	6.8	6.8	4.0 6.6	5.3	6.0	3.4 5.6	Low High	37
Croatia	HRV	2.4	2.4	1.3	1.6	0.8	1.3	1.2	0.1	1.7	0.6	0.9	1.1	7.6	5.6	9.6	8.1	5.6	4.7	4.7	2.1	2.1	3.5	2.6	3.1	3.5	Medium	136
Cuba	CUB	2.9	2.9	2.4	4.2	1.6	2.7	0.0	0.4	0.8	0.4	0.4	1.6	6.7	4.5	7.2	6.4	4.4	5.4	5.4	1.0	1.0	3.5	2.5	3.0	3.4	Low	139
Cyprus	CYP	2.9	2.9	0.5	1.7	0.4	0.8	9.0	0.1	3.1	0.8	4.5	2.9	6.9	4.4	5.6	5.6	4.4	3.7	3.7	2.5	2.5	3.1	2.6	2.8	3.3	Low	146
Czech Republic	CZE	2.8	2.8	0.2	1.0	0.3	0.4	2.3	0.1	1.6	0.6	1.2	0.8	6.8	5.3	9.6	7.8	5.3	3.8	3.8	0.9	0.9	2.5	2.9	2.7	3.4	Low	139
Denmark	DNK	2.9	2.9	0.0	0.7	0.1	0.2	5.2	0.1	1.4	0.7	2.1	1.2	8.2	2.7	8.8	7.1	4.8	1.3	1.3	1.1	1.1	1.2	0.2	0.7	2.1	Low	183
Djibouti	DJI	5.4	5.4	8.1	4.2	4.9	6.3	6.1	2.4	5.1	Х	4.7	5.6	3.7	6.3	1.6	3.3	4.6	6.9	6.9	6.5	6.5	6.7	6.9	6.8	5.5	High	42
Dominica	DMA	3.9	3.9	3.5	X	3.1	3.4	0.0	0.6	2.3	X	1.0	2.3	6.4	4.1	Х	5.3	4.0	5.1	5.1	5.9	5.9	5.5	4.0	4.8	4.2	Medium	88
Dominican Republic	DOM	4.2	4.2	3.8	5.6	1.0	3.6	0.0	1.3	3.1	1.8	1.6	2.7	5.5	6.4	2.4	4.2	3.5	6.5	6.5	4.9	4.9	5.8	5.1	5.5	4.3	Medium	80
Ecuador	ECU EGY	3.5	3.5	3.8 4.4	5.1 3.9	0.8	3.4	6.0	0.7	2.9 0.0	2.6	3.3	3.4	4.3 5.8	6.4	2.0 3.2	3.7 4.6	3.6 4.0	5.9 6.4	5.9 6.4	4.3	4.3 4.4	5.2 5.5	3.9 2.2	4.6	3.9	Medium Medium	104 131
Egypt El Salvador	SLV	3.0	3.0	5.2	4.3	2.9	4.4	6.6 0.0	1.2	2.8	1.1	1.3	3.4	6.7	6.7	3.6	5.2	4.0	6.3	6.4	4.4	4.4	5.5	3.8	4.0	4.2	Medium	88
Equatorial Guinea	GNQ	6.7	6.7	6.2	7.5 X	0.1	4.2	0.0	6.4	2.8	8.2	5.1	4.7	3.8	5.5	1.2	2.9	3.9	8.0	8.0	7.2	7.2	7.6	7.7	7.6	5.8	High	27
Eritrea	ERI	6.4	6.4	9.3	X	2.1	6.9	2.2	1.6	5.6	6.3	4.2	5.7	2.3	7.9	0.4	2.8	4.4	8.1	8.1	6.4	6.4	7.3	7.0	7.0	5.9	High	22
Estonia	EST	2.3	2.3	0.4	1.6	0.3	0.7	1.2	0.8	1.6	1.4	1.2	1.0	5.3	3.4	9.6	7.0	4.7	2.6	2.6	1.8	1.8	2.2	2.6	2.4	3.0	Low	161
Eswatini	SWZ	4.9	4.9	6.5	7.2	2.2	5.6	2.1	4.9	5.8	2.4	4.0	4.9	3.7	6.1	5.6	5.3	5.1	6.5	6.5	5.8	5.8	6.2	5.4	5.8	5.3	High	45
Ethiopia	ETH	7.6	7.6	9.4	5.2	2.8	6.7	8.2	3.1	5.6	6.1	6.1	6.4	3.6	6.3	0.0	2.5	4.7	6.3	6.3	7.3	7.3	6.8	4.6	5.8	5.9	High	22
Fiji	FJI	3.3	3.3	3.5	3.9	2.5	3.4	0.0	3.7	1.6	5.9	3.1	3.3	5.0	1.9	6.8	5.1	4.3	4.5	4.5	4.3	4.3	4.4	5.6	5.0	4.1	Medium	91
Finland	FIN	2.3	2.3	0.0	0.6	0.1	0.2	4.7	0.1	1.2	1.5	2.0	1.1	7.5	2.4	9.2	7.1	4.8	1.2	1.2	1.1	1.1	1.2	0.3	8.0	2.1	Low	183
France	FRA	2.8	2.8	0.2	1.3	0.2	0.5	7.1	0.3	0.8	0.8	2.9	1.8	7.5	5.3	7.6	7.0	4.9	2.6	2.6	0.9	0.9	1.8	2.2	2.0	3.0	Low	161

COUNTRY	1503	P2P	COVID-19 HAZARD & EXPOSURE	Development & Deprivation	Inequality	Aid dependancy	Socio-Economic vulnerability	Uprooted people	Health conditions	Food security	GBV	Vulnerable groups	VULNERABILITY (Hazard-independent)	Movements	Behaviour	Demographic and co- morbidity	COVID-19 VULNERABILITY	VULNERABILITY	Governance	Institutional	Access to health care	Infrastructure	LACK OF COPING CAPACITY (Hazard- independent)	COVID-19 LACK OF COPING CAPACITY	LACK OF COPING CAPACITY	INFORM COVID-19 RISK	COVID-19 RISK CLASS	Rank
(a-z)	(a-z)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(Very Low-Very High)	(1-191)
Gabon	GAB	5.0	5.0	5.5	5.2	0.8	4.3	1.3	6.3	2.8	6.6	4.6	4.5	1.7	5.8	1.6	2.7	3.7	6.8	6.8	6.0	6.0	6.4	6.8	6.6	5.0	High	56
Gambia	GMB	6.9	6.9	8.9	5.5	5.0	7.1	2.9	2.3	2.9	4.3	3.1	5.4	3.4	5.1	0.0	2.1	3.9	6.3	6.3	7.1	7.1	6.7	7.0	6.9	5.7	High	31
Georgia Germany	GEO DEU	3.1	2.2	0.0	4.0	3.0	2.9 0.4	8.7 8.2	1.0 0.1	2.8 0.8	1.0	4.4 3.6	3.7 2.1	6.1 8.7	4.3	8.0 9.2	6.6 7.8	5.3 5.6	4.1 1.9	1.9	3.3 0.4	3.3 0.4	3.7 1.2	4.2 0.5	4.0 0.8	4.0 2.1	Medium Low	98 183
Ghana	GHA	5.5	5.5	7.1	5.9	1.2	5.3	3.5	4.7	1.1	3.8	3.4	4.4	3.7	4.8	0.8	2.5	3.5	5.7	5.7	5.8	5.8	5.8	5.2	5.5	4.7	Medium	67
Greece	GRC	2.2	2.2	0.6	2.2	2.5	1.5	6.6	0.2	1.1	0.9	2.7	2.1	7.7	5.6	8.8	7.7	5.6	4.8	4.8	1.5	1.5	3.3	2.5	2.9	3.3	Low	146
Grenada	GRD	2.7	2.7	2.7	Х	1.2	2.2	0.0	0.1	5.7	Х	2.4	2.3	5.8	3.9	4.8	4.8	3.7	5.1	5.1	3.9	3.9	4.5	5.0	4.8	3.6	Medium	131
Guatemala	GTM	4.6	4.6	6.7	6.2	1.9	5.4	7.0	1.1	4.0	1.6	3.8	4.6	3.9	7.2	1.6	3.6	4.1	6.9	6.9	5.4	5.4	6.2	5.7	5.9	4.8	Medium	64
Guinea Guinea-Bissau	GIN GNB	6.9 7.0	6.9 7.0	9.1 9.2	2.2 6.4	1.5 3.6	5.5 7.1	2.7 3.2	5.4 5.6	4.0 7.2	10.0 5.2	6.7 5.5	6.1 6.4	3.9 1.4	7.7	0.0	2.9	4.7 4.7	7.0 8.1	7.0 8.1	8.8 7.1	8.8 7.1	8.0 7.6	4.8 6.8	6.7 7.2	6.0 6.2	High High	19 11
Guyana	GUY	2.4	2.4	4.5	6.6	2.1	4.4	0.8	4.0	2.6	Х	2.6	3.6	2.9	6.2	3.6	4.1	3.9	5.8	5.8	4.9	4.9	5.4	5.0	5.2	3.7	Medium	119
Haiti	HTI	6.8	6.8	8.2	6.2	7.4	7.5	4.7	3.3	9.0	5.1	6.1	6.9	3.8	7.8	2.0	3.9	5.6	8.5	8.5	8.2	8.2	8.4	6.8	7.7	6.6	Very High	7
Honduras	HND	4.3	4.3	6.4	6.4	3.4	5.7	7.1	1.1	3.4	1.9	3.8	4.8	4.0	6.0	1.6	3.3	4.1	6.8	6.8	4.8	4.8	5.9	7.1	6.5	4.9	Medium	61
Hungary	HUN	3.8	3.8	0.0	0.8	0.5	1.3 0.2	2.8	0.1	1.6 0.9	1.3 x	1.5 1.1	1.4 0.7	6.8 5.3	4.9	9.6 6.4	7.7 5.7	5.4 3.6	4.8 2.2	4.8 2.2	1.3	1.3	3.2 1.7	2.9 0.8	3.1 1.3	3.4 2.6	Low	139 175
India	IND	4.7	4.7	6.6	4.7	0.1	4.6	6.1	2.2	4.4	3.8	4.3	4.5	5.6	5.3	3.6	4.5	4.5	5.2	5.2	5.6	5.6	5.4	3.8	4.6	4.6	Medium	73
Indonesia	IDN	4.4	4.4	4.7	4.7	0.2	3.6	3.4	2.7	2.2	4.2	3.2	3.4	6.1	4.3	3.6	4.4	3.9	5.3	5.3	6.1	6.1	5.7	4.4	5.1	4.4	Medium	77
Iran	IRN	3.6	3.6	2.1	5.2	0.1	2.4	8.0	0.1	1.3	2.5	3.8	3.1	5.1	5.1	3.2	4.2	3.7	6.7	6.7	3.2	3.2	5.2	2.0	3.8	3.7	Medium	119
Iraq	IRQ IRL	4.2 3.1	4.2	4.9 0.0	4.2 1.5	3.6 0.1	4.4 0.4	9.1 3.9	0.5	6.8 0.2	6.8 0.4	6.6 1.3	5.6 0.9	5.1 7.1	5.0 3.7	1.2 6.4	3.1 5.9	4.5 3.8	7.8 2.4	7.8	6.1 1.4	6.1 1.4	7.0 1.9	4.7 2.9	6.0 2.4	4.8 3.0	Medium	64 161
Ireland	ISR	4.1	4.1	0.0	2.4	0.1	0.4	5.4	0.2	0.2	0.4 X	2.2	1.4	6.4	4.9	3.6	4.6	3.2	3.3	3.3	1.4	1.4	2.4	0.5	1.5	2.7	Low	173
Italy	ITA	2.8	2.8	0.3	1.8	0.1	0.6	6.5	0.2	0.4	0.5	2.4	1.5	8.6	5.8	9.2	8.2	5.8	4.5	4.5	1.1	1.1	3.0	0.8	1.9	3.1	Low	156
Jamaica	JAM	4.0	4.0	4.1	5.4	2.1	3.9	0.0	1.7	2.9	1.1	1.5	2.8	6.2	5.0	4.8	5.2	4.1	4.9	4.9	4.4	4.4	4.7	3.7	4.2	4.1	Medium	91
Japan	JPN	3.2	3.2	0.0	1.3	0.0	0.3	3.7	0.2	2.4	1.0	1.9	1.1	8.9	3.8	10.0	8.2	5.7	2.2	2.2	0.6	0.6	1.4	0.0	0.7	2.3	Low	181
Jordan Kazakhstan	JOR KAZ	4.1 2.6	2.6	2.2 1.3	4.2 1.7	5.8	3.6 1.1	0.0	0.1	3.6 0.8	2.6 1.6	5.8 0.7	4.8 0.9	4.6 4.9	4.2	1.6 3.6	3.0 4.2	4.0 2.7	5.0 5.8	5.0	3.8 2.3	3.8 2.3	4.4	5.1 4.0	4.8 4.1	4.3 3.1	Medium	80 156
Kenya	KEN	6.0	6.0	7.5	5.7	1.9	5.7	7.7	4.6	7.5	5.4	6.5	6.1	3.4	6.5	0.8	2.9	4.7	6.5	6.5	7.1	7.1	6.8	5.8	6.3	5.6	High	37
Kiribati	KIR	5.9	5.9	5.5	3.0	7.7	5.4	0.0	8.8	0.6	8.0	5.7	5.6	5.9	7.7	5.6	6.2	5.9	5.6	5.6	5.3	5.3	5.5	6.2	5.9	5.9	High	22
Korea DPR	PRK	3.9	3.9	8.4	Х	0.8	5.9	0.0	3.9	9.4	Х	6.0	6.0	4.5	3.3	5.6	4.8	5.4	8.2	8.2	0.6	0.6	5.6	4.4	5.0	4.7	Medium	67
Korea Republic of	KOR	3.9	3.9	0.0	1.3	0.1	0.4	3.6	0.4	1.0	2.2	1.9	1.2	8.3	4.7	7.6	7.1	4.8	3.4	3.4	0.8	0.8	2.2	0.3	1.3	2.9	Low	167
Kuwait Kyrgyzstan	KWT KGZ	4.9	4.9 3.1	1.8 4.0	3.3 2.9	0.0 4.8	1.7 3.9	1.6 0.8	0.3	1.0 2.4	4.6 3.9	2.0	1.9 3.1	5.8 3.9	4.9 5.3	3.2 1.6	4.3 3.1	3.2	5.6 6.6	5.6 6.6	1.5 4.0	1.5 4.0	3.8 5.4	3.5 5.9	3.6 5.7	3.8 3.8	Medium Medium	112 112
Lao PDR	LAO	4.1	4.1	6.8	4.6	1.6	5.0	0.0	1.7	4.9	4.2	2.9	4.0	4.2	4.7	2.0	3.2	3.6	6.7	6.7	5.7	5.7	6.2	7.0	6.6	4.6	Medium	73
Latvia	LVA	2.4	2.4	0.9	2.3	0.6	1.2	1.3	0.7	1.4	0.8	1.0	1.1	7.2	5.1	10.0	8.1	5.6	3.7	3.7	2.2	2.2	3.0	2.5	2.8	3.4	Low	139
Lebanon	LBN	4.5	4.5	3.4	3.3	5.3	3.9	10.0	0.1	3.4	5.4	6.3	5.2	6.2	7.0	4.4	5.5	5.4	6.8	6.8	4.2	4.2	5.7	4.6	5.2	5.0	High	56
Lesotho	LSO LBR	5.5 7.0	5.5 7.0	7.8 9.0	7.3 5.7	4.6 6.0	6.9 7.4	0.0 3.4	7.3 4.8	3.8 8.3	4.6 6.5	4.4 6.1	5.8 6.8	3.3 4.4	6.2 7.4	6.4 0.4	5.6 3.2	5.7 5.3	6.4 7.5	6.4 7.5	6.4 7.2	7.2	7.4	7.1 5.2	6.8 6.4	6.0 6.2	High High	19 11
Libya	LBY	3.0	3.0	3.5	2.3	5.2	3.6	8.8	0.4	1.7	3.0	4.5	4.1	3.1	5.4	3.2	3.7	3.9	8.5	8.5	3.6	3.6	6.7	6.7	6.7	4.3	Medium	80
Liechtenstein	LIE	1.9	1.9	0.0	Х	0.0	0.0	2.6	Х	0.8	Х	1.7	0.9	4.9	3.1	Х	4.0	2.6	1.5	1.5	Х	х	1.5	х	1.5	1.9	Very Low	189
Lithuania	LTU	2.4	2.4	0.6	2.4	0.5	1.0	2.0	0.5	0.8	0.6	1.0	1.0	6.5	3.9	10.0	7.6	5.2	3.5	3.5	1.4	1.4	2.5	0.9	1.7	2.8	Low	168
Luxembourg Madagascar	LUX MDG	3.8 6.9	3.8 6.9	0.0 9.0	1.6 4.4	0.5	0.5 6.1	3.4 1.4	0.3 4.0	1.1 9.1	0.3 5.6	1.4 5.9	1.0 6.0	6.0 3.1	4.3 7.5	7.6 0.0	6.4 2.7	4.2 4.6	1.7 7.5	1.7 7.5	1.1 6.9	1.1 6.9	7.2	2.5 7.5	1.9 7.3	3.1 6.1	Low	156 15
Malawi	MWI	6.6	6.6	8.6	6.6	4.5	7.1	5.0	6.3	4.5	3.6	4.9	6.1	3.0	7.3	1.2	3.1	4.8	6.7	6.7	6.5	6.5	6.6	5.4	6.0	5.7	High	31
Malaysia	MYS	4.2	4.2	1.9	3.9	0.1	2.0	6.1	0.7	1.7	5.1	3.7	2.9	5.9	3.7	3.6	4.2	3.6	3.8	3.8	3.5	3.5	3.7	0.3	2.1	3.2	Low	153
Maldives	MDV	4.8	4.8	2.7	4.2	0.7	2.6	0.0	0.3	3.1	1.2	1.2	1.9	5.2	3.7	1.6	3.0	2.5	6.6	6.6	2.8	2.8	5.0	5.3	5.2	4.0	Medium	98
Mali Malta	MLI MLT	6.0 4.7	6.0 4.7	9.7 0.3	5.5 1.9	5.0 0.3	7.5 0.7	7.0 5.2	4.3 0.1	0.8	6.9 0.5	5.2 2.0	6.5 1.4	3.9 5.2	5.9 5.3	0.0 9.2	2.5 7.2	4.8 4.9	7.1 3.9	7.1 3.9	8.1 1.0	8.1 1.0	7.6 2.6	5.1 3.3	6.5 2.9	5.7 4.1	High Medium	31 91
Marshall Islands	MHL	4.7	4.7	4.0	1.5 X	8.2	5.4	0.0	6.2	5.0	4.3	4.2	4.8	3.6	5.8	3.2 X	4.7	4.8	8.1	8.1	6.9	6.9	7.6	6.3	7.0	5.4	High	44
Mauritania	MRT	6.3	6.3	8.3	5.1	4.5	6.6	6.6	1.5	2.7	3.3	3.8	5.4	3.5	6.0	0.0	2.4	4.1	6.9	6.9	7.8	7.8	7.4	7.5	7.4	5.8	High	27
Mauritius	MUS	3.0	3.0	2.1	3.8	1.1	2.3	0.0	0.7	2.0	Х	0.9	1.6	6.4	4.6	8.8	7.2	5.0	4.0	4.0	3.4	3.4	3.7	3.2	3.4	3.7	Medium	119
Mexico	MEX	3.3	3.3	4.1	4.6	0.4	3.3	6.4	0.9	1.2	1.2	2.8	3.1	5.2	6.6	4.4	5.2	4.2	6.2	6.2	3.6	3.6	5.0	2.0	3.6	3.7	Medium	119
Micronesia Moldova Republic of	FSM MDA	3.6	3.6	5.7 2.9	3.8 1.6	7.3	5.6 2.5	0.0	5.0 1.1	5.0 3.0	5.7 2.2	4.2 1.9	4.9 2.2	5.4 5.4	6.1	5.2 7.2	5.5 6.6	5.2 4.8	5.3 6.4	5.3 6.4	5.3 3.3	5.3 3.3	5.3	7.5 4.5	6.5 4.8	5.0 4.4	High Medium	56 77
Mongolia	MNG	3.8	3.8	4.8	3.1	2.7	3.9	0.0	2.6	3.9	2.1	2.3	3.1	4.5	5.5	2.0	3.5	3.3	6.0	6.0	3.6	3.6	4.9	3.2	4.1	3.7	Medium	119
Montenegro	MNE	2.7	2.7	1.3	1.7	2.0	1.6	1.8	0.2	0.6	0.3	0.7	1.2	5.1	4.0	7.2	5.9	3.9	5.1	5.1	3.2	3.2	4.2	5.2	4.7	3.7	Medium	119
Morocco	MAR	4.1	4.1	6.0	5.1	1.1	4.6	2.6	0.5	0.0	2.7	1.5	3.2	5.1	5.9	4.4	5.0	4.2	5.7	5.7	4.5	4.5	5.1	3.8	4.5	4.3	Medium	80
Mozambique Myanmar	MOZ MMR	6.9 4.3	6.9 4.3	9.4 7.4	7.5 4.7	4.5 1.8	7.7 5.3	4.8 7.0	9.3	6.8 3.1	3.1 4.3	6.6 4.8	5.1	3.2	7.5 6.0	1.6 4.0	3.5 4.4	5.7 4.8	7.1	7.1	7.0 5.7	7.0 5.7	7.1 6.5	4.9 4.2	6.1 5.5	6.2 4.8	High Medium	11 64
Namibia	NAM	5.1	5.1	7.4	7.3	1.1	5.6	2.8	5.9	5.9	3.9	4.8	5.2	3.4	5.3	2.8	3.6	4.4	4.8	4.8	5.4	5.4	5.1	6.4	5.8	5.1	High	51
Nauru	NRU	4.9	4.9	2.8	X	7.2	4.3	5.3	2.3	5.0	Х	4.3	4.3	3.5	6.7	Х	5.1	4.7	5.2	5.2	4.2	4.2	4.7	7.1	6.0	5.2	High	48
Nepal	NPL	5.1	5.1	7.3	4.2	4.6	5.9	3.7	2.3	2.7	3.8	3.2	4.7	4.5	5.9	1.6	3.4	4.1	6.7	6.7	6.1	6.1	6.4	6.4	6.4	5.1	High	51
Netherlands	NLD	3.5	3.5	0.0	0.7	0.1	0.2	6.0	0.1	1.6	1.0	2.5	1.4	7.2	2.5	8.4	6.6	4.5	1.6	1.6	1.0	1.0	1.3	0.6	0.9	2.4	Low	178
New Zealand Nicaragua	NZL NIC	3.1 4.3	3.1 4.3	0.0 6.0	1.8 5.7	0.1	0.5 5.0	1.8 0.9	0.1 1.0	1.4 4.3	0.9 1.6	1.1 2.1	0.8 3.7	5.8 5.3	3.5 7.3	5.6 2.0	5.1 4.2	3.2 4.0	1.5 7.2	1.5 7.2	1.4 4.7	4.7	1.5 6.1	0.5 5.1	1.0 5.6	2.1 4.6	Low	183 73
Niger	NER	7.1	7.1	10.0	5.5	5.4	7.7	7.7	4.5	3.7	7.5	6.2	7.0	3.2	8.5	0.0	2.9	5.3	6.7	6.7	7.7	7.7	7.2	5.3	6.3	6.2	High	11
Nigeria	NGA	6.5	6.5	8.3	4.5	1.6	5.7	7.9	6.1	3.7	3.3	5.6	5.7	4.0	6.7	0.0	2.7	4.4	7.2	7.2	9.6	9.6	8.7	4.9	7.2	5.9	High	22

COUNTRY	1503	P2P	COVID-19 HAZARD & EXPOSURE	Development & Deprivation	Inequality	Aid dependancy	Socio-Economic vuinerability	Uprooted people	Health conditions	Food security	GBV	Vulnerable groups	VULNERABILITY (Hazard-independent)	Movements	Behaviour	Demographic and co- morbidity	COVID-19 VULNERABILITY	VULNERABILITY	Governance	Institutional	Access to health care	Infrastructure	LACK OF COPING CAPACITY (Hazard- independent)	COVID-19 LACK OF COPING CAPACITY	LACK OF COPING CAPACITY	INFORM COVID-19 RISK	COVID-19 RISK CLASS	Rank
(a-z)	(a-z)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(0-10)	(Very Low-Very High)	(1-191)
North Macedonia	MKD	2.5	2.5	3.2	2.3	1.0	2.4	1.2	0.1	2.0	1.6	1.2	1.8	6.6	4.7	7.2	6.4	4.5	5.7	5.7	2.9	2.9	4.4	4.4	4.4	3.7	Medium	119
Norway	NOR OMN	2.0 5.0	2.0 5.0	0.0 1.3	0.6 4.1	0.0	0.2 1.7	5.9 1.0	0.2	1.0 2.3	0.9	2.4 1.1	1.4 1.4	5.6 4.8	3.0	7.2 2.0	6.1 3.0	4.1 2.2	1.4 4.7	1.4 4.7	0.9	0.9 1.9	1.2 3.4	0.4 1.3	0.8 2.4	1.9 3.0	Very Low Low	189 161
Pakistan	PAK	5.3	5.3	7.8	4.7	1.0	5.3	7.6	1.8	5.3	5.2	5.3	5.3	5.1	6.1	1.2	3.4	4.4	6.6	6.6	6.4	6.4	6.5	6.2	6.4	5.3	High	45
Palau	PLW	3.5	3.5	1.7	Х	6.8	3.4	0.0	1.0	5.0	2.0	2.2	2.8	4.4	2.9	Х	3.7	3.3	5.0	5.0	3.9	3.9	4.5	5.8	5.2	3.9	Medium	104
Palestine	PSE	5.1	5.1	3.2	2.2	8.2	4.2	10.0	0.0	2.8	4.8	6.1	5.2	4.9	5.1	0.8	2.9	4.1	6.5	6.5	0.2	0.2	4.0	7.5	6.0	5.0	High	56
Panama	PAN	3.6	3.6	2.1	6.2	0.3	2.7	4.2	1.0	2.9	1.4	2.5	2.6	5.1	5.4	3.2	4.2	3.4	5.7	5.7	3.3	3.3	4.6	4.0	4.3	3.7	Medium	119
Papua New Guinea Paraguay	PNG PRY	5.6 2.5	5.6 2.5	7.1 4.1	7.1 6.2	0.4	5.8 3.7	4.3 0.9	5.7 1.3	3.9	2.8	2.2	5.3 3.0	2.0 4.3	6.6	4.0 2.0	4.2 3.7	4.8 3.4	6.8 6.6	6.8 6.6	6.4 4.6	6.4 4.6	6.6 5.7	7.0 5.7	6.8 5.7	5.7 3.6	High Medium	31 131
Peru	PER	4.0	4.0	4.9	4.9	0.4	3.8	6.9	0.9	3.0	3.1	3.8	3.8	4.8	5.7	2.4	3.8	3.8	6.0	6.0	5.0	5.0	5.5	4.8	5.7	4.3	Medium	80
Philippines	PHL	4.5	4.5	4.5	4.8	1.3	3.8	6.2	3.9	3.4	1.3	3.9	3.9	6.3	5.2	2.8	4.3	4.1	5.8	5.8	5.9	5.9	5.9	5.0	5.5	4.7	Medium	67
Poland	POL	2.0	2.0	0.6	1.6	0.2	0.8	3.3	0.2	8.0	0.7	1.3	1.1	8.0	4.7	8.8	7.6	5.2	4.0	4.0	1.9	1.9	3.0	2.5	2.8	3.1	Low	156
Portugal	PRT	2.2	2.2	1.0	1.9	0.1	1.0	1.7	0.3	0.8	0.6	0.9	1.0	7.9	4.6	10.0	8.1	5.6	3.2	3.2	1.3	1.3	2.3	1.2	1.7	2.8	Low	168
Qatar Romania	QAT ROU	5.0	5.0 2.4	1.0 1.7	2.7 3.5	0.1	1.2	0.9 2.5	0.3	1.0 0.4	0.8	0.8 1.2	1.0 1.6	6.5 7.5	2.1 6.3	2.4 8.8	3.4 7.9	2.3 5.6	3.8 5.6	3.8 5.6	2.5 3.3	2.5 3.3	3.2 4.6	3.2 2.7	3.2	3.3	Low	146 119
Russian Federation	RUS	2.3	2.3	1.5	3.3	0.1	1.6	4.6	1.8	0.8	2.8	2.6	2.1	6.2	3.7	8.4	6.7	4.8	6.2	6.2	1.9	1.9	4.4	1.3	3.0	3.2	Low	153
Rwanda	RWA	5.9	5.9	8.2	5.1	3.7	6.3	6.6	5.1	8.4	4.8	6.5	6.4	4.5	4.1	0.0	2.2	4.6	4.7	4.7	5.4	5.4	5.1	4.2	4.6	5.0	High	56
Saint Kitts and Nevis	KNA	2.9	2.9	2.5	Х	0.5	1.8	0.9	0.0	3.5	Х	1.6	1.7	4.7	3.1	X	3.9	2.9	3.9	3.9	3.1	3.1	3.5	5.1	4.3	3.3	Low	146
Saint Lucia Saint Vincent and the Grenadines	LCA	2.5	2.5	3.2	5.5	0.6	3.1	0.0	0.8	6.0	X	2.7	2.9	7.6	6.1	5.6	6.2	4.8	4.6	4.6	5.4	5.4	5.0	4.5 5.3	4.8	3.9	Medium	104
Samoa	VCT WSM	3.8 1.8	3.8 1.8	3.4	4.2	1.4 8.6	2.7 5.2	0.0	0.0 1.9	2.1 1.3	4.8	0.7 2.2	1.8 3.9	4.9 4.6	3.1	5.6 3.6	5.6 3.7	3.9	4.4 3.8	3.8	4.1 6.4	4.1 6.4	4.3 5.2	5.3	4.8 5.2	4.1 3.3	Medium Low	91
Sao Tome and Principe	STP	6.4	6.4	6.6	4.4	3.8	5.4	0.0	3.5	2.5	5.8	3.2	4.4	3.0	5.1	0.4	2.2	3.4	5.9	5.9	5.1	5.1	5.5	6.8	6.2	5.1	High	51
Saudi Arabia	SAU	3.1	3.1	0.9	3.0	0.0	1.2	1.5	0.1	1.7	Х	1.1	1.2	5.2	2.9	2.4	3.2	2.3	4.6	4.6	1.5	1.5	3.2	2.8	3.0	2.8	Low	168
Senegal	SEN	6.1	6.1	8.5	5.4	2.6	6.3	4.5	3.2	3.5	4.8	4.0	5.3	2.3	6.1	0.0	2.1	3.9	5.5	5.5	6.3	6.3	5.9	5.3	5.6	5.1	High	51
Serbia Seychelles	SRB SYC	2.3 3.8	2.3 3.8	1.3 2.0	1.6 5.5	1.8	1.5	4.7 0.0	0.2	2.8	0.4 x	2.2	1.9	5.4 6.6	6.1 4.1	8.8 5.2	7.3 5.3	5.2 3.9	5.5 3.7	5.5	3.4	3.4	4.1 3.6	4.1 5.1	4.1	3.7 4.0	Medium Medium	119 98
Sierra Leone	SLE	7.1	7.1	9.2	5.5	3.7	6.9	0.0	7.0	6.1	7.1	1.5 5.7	2.1 6.3	4.0	6.2	0.4	2.8	4.8	7.0	3.7 7.0	8.1	8.1	7.6	5.6	6.7	6.1	High	15
Singapore	SGP	4.0	4.0	0.0	0.9	0.0	0.2	0.0	0.4	1.7	5.1	2.1	1.2	8.0	1.4	6.8	5.8	3.9	1.0	1.0	1.8	1.8	1.4	0.5	0.9	2.4	Low	178
Slovakia	SVK	2.5	2.5	0.9	1.5	0.4	0.9	1.1	0.1	2.3	1.1	1.2	1.1	6.3	7.2	8.0	7.4	5.0	4.3	4.3	1.7	1.7	3.1	2.8	3.0	3.3	Low	146
Slovenia	SVN	2.0	2.0	0.0	0.5	0.2	0.2	1.4	0.1	1.6	1.1	1.1	0.7	6.5	6.1	9.2	7.8	5.2	3.4	3.4	1.8	1.8	2.6	0.9	1.8	2.7	Low	173
Solomon Islands Somalia	SLB SOM	5.7 6.9	5.7 6.9	6.9 8.7	3.0 x	6.7 10.0	5.9 9.1	0.0	4.8 2.0	2.8 6.4	9.3	5.4 8.2	5.7 8.7	2.4 1.9	5.2 8.5	2.8 0.0	3.3 2.6	4.6 6.6	6.5 9.3	6.5 9.3	5.5 9.5	5.5 9.5	6.0 9.4	7.1	6.6 8.5	5.6 7.3	High Very High	37
South Africa	ZAF	4.1	4.1	4.6	7.6	0.3	4.3	6.6	6.0	1.9	7.6	5.9	5.2	5.5	5.2	5.6	5.5	5.4	5.0	5.0	5.3	5.3	5.2	4.2	4.7	4.7	Medium	67
South Sudan	SSD	7.3	7.3	9.9	5.3	7.7	8.2	10.0	5.4	8.1	Х	8.4	8.3	2.6	8.3	0.0	2.7	6.2	9.4	9.4	10.0	10.0	9.7	6.8	8.6	7.3	Very High	2
Spain	ESP	2.5	2.5	0.1	1.9	0.1	0.6	5.3	0.3	1.4	0.7	2.2	1.4	8.1	5.9	8.4	7.7	5.4	3.4	3.4	1.0	1.0	2.3	0.8	1.6	2.8	Low	168
Sri Lanka	LKA	3.4	3.4	2.4	4.4	1.0	2.6	4.5	0.4	3.0	6.6	4.0	3.3	5.3	5.6	5.6	5.5	4.5	5.9	5.9	3.9	3.9	5.0	5.2	5.1	4.3	Medium	80
Sudan Suriname	SDN SUR	6.8 2.5	6.8 2.5	8.6 4.9	5.1 6.2	3.3 0.2	6.4 4.1	9.6 1.3	1.4	5.1 3.0	4.2 x	6.1 1.8	6.3 3.0	3.5 4.0	6.9 5.1	1.2 4.0	3.2 4.3	4.9 3.7	8.3 6.0	8.3 6.0	5.9 5.3	5.9 5.3	7.3 5.7	4.3 3.9	6.0 4.8	5.8 3.5	High Medium	27 136
Sweden	SWE	2.8	2.8	0.0	0.8	0.1	0.2	7.8	0.2	1.6	1.1	3.5	2.0	7.6	2.6	7.6	6.4	4.6	1.4	1.4	1.0	1.0	1.2	0.4	0.8	2.2	Low	182
Switzerland	CHE	3.7	3.7	0.0	1.2	0.1	0.3	6.5	0.2	1.3	1.8	2.9	1.7	8.3	3.9	2.4	4.3	3.1	1.2	1.2	0.9	0.9	1.1	0.0	0.6	1.9	Very Low	189
Syria	SYR	2.9	2.9	6.3	7.3	10.0	7.5	10.0	0.5	5.6	Х	7.1	7.3	4.6	6.3	0.8	3.1	5.6	8.5	8.5	6.3	6.3	7.6	5.0	6.5	4.7	Medium	67
Tajikistan	TJK	4.3	4.3	5.2	3.7	4.5	4.7	2.0	1.4	4.0	5.8	3.5	4.1	2.8	4.5	0.8	2.2	3.2	7.4	7.4	3.7	3.7	5.9	5.9	5.9	4.3	Medium	80
Tanzania Thailand	TZA THA	6.4 3.2	6.4 3.2	8.3 2.3	5.2 4.0	1.5 0.2	5.8 2.2	6.5 5.5	5.3 1.3	7.1	6.9 1.0	6.5 2.8	6.2 2.5	4.1 6.7	5.5 4.9	0.0 6.8	6.3	4.6 4.7	6.4 5.4	6.4 5.4	6.6 4.1	6.6 4.1	6.5 4.8	5.2 2.3	5.9 3.7	5.6 3.8	High Medium	37 112
Timor-Leste	TLS	5.6	5.6	7.4	0.9	4.1	5.0	0.0	6.4	6.5	8.8	6.3	5.7	4.1	6.3	1.2	3.2	4.6	6.6	6.6	5.7	5.7	6.2	6.6	6.4	5.5	High	42
Togo	TGO	6.8	6.8	8.4	6.0	2.4	6.3	3.7	5.3	4.3	3.1	4.1	5.3	4.6	7.2	0.4	3.2	4.3	7.1	7.1	6.3	6.3	6.7	7.2	6.9	5.9	High	22
Tonga	TON	2.7	2.7	3.7	4.4	10.0	5.5	0.0	2.1	4.2	4.1	2.8	4.3	3.7	3.7	4.8	4.3	4.3	4.7	4.7	5.3	5.3	5.0	5.9	5.5	4.0	Medium	98
Trinidad and Tobago Tunisia	TTO TUN	2.6	2.6 3.3	1.7 3.0	4.3 3.0	0.7	2.1	4.4	0.8	1.6 0.4	1.2	2.1	2.1	6.5 5.4	5.1 5.5	6.8	6.3 4.9	4.5 3.5	5.3 5.5	5.3 5.5	2.8 3.8	3.8	4.2	5.1	4.6	3.8 3.7	Medium	112 119
Turkey	TUR	3.3	3.4	1.9	4.2	1.5 2.4	2.6	1.2 9.4	0.3	0.4	2.3	1.1 4.5	1.9 3.6	7.6	5.0	4.4	5.4	4.6	5.6	5.6	3.5	3.5	4.6	4.2 2.6	4.5 3.7	3.7	Medium Medium	104
Turkmenistan	TKM	3.1	3.1	2.3	Х	0.0	1.5	0.0	0.3	2.0	3.2	1.5	1.5	4.5	3.4	2.4	3.2	2.4	7.6	7.6	2.3	2.3	5.5	4.2	4.9	3.3	Low	146
Tuvalu	TUV	4.8	4.8	4.6	3.5	7.7	5.1	0.0	7.2	4.2	5.5	4.7	4.9	3.2	6.0	Х	4.6	4.8	6.4	6.4	4.7	4.7	5.6	6.1	5.8	5.1	High	51
Uganda	UGA	7.1	7.1	8.3	5.8	3.4	6.5	8.8	5.9	8.7	6.9	7.8	7.2	3.2	7.2	0.0	2.6	5.3	6.7	6.7	6.6	6.6	6.7	5.0	5.9	6.1	High	15
Ukraine	UKR	2.4	2.4	1.6	1.9	2.2	1.8	8.1	1.1	2.1	1.2	3.9	2.9	6.0	5.2	8.8	7.2	5.4	6.4	6.4	3.8	3.8	5.2	5.0	5.1	4.0	Medium	98
United Arab Emirates United Kingdom	ARE GBR	3.2	4.4 3.2	0.7	1.5 1.9	0.0	0.7 0.5	3.0 5.8	0.0	1.5	1.1	1.6 2.4	1.2 1.5	7.3 7.6	0.8 3.0	2.8 7.6	3.4 6.5	2.4 4.5	2.5	2.5 2.3	2.0	2.0 1.6	2.3	0.3	1.3 1.2	2.4	Low	178 175
United States of America	USA	2.8	2.8	0.0	3.3	0.0	0.8	7.1	0.1	0.2	1.3	2.8	1.9	7.3	3.3	6.8	6.1	4.3	2.5	2.5	1.5	1.5	2.0	0.5	1.3	2.5	Low	177
Uruguay	URY	2.9	2.9	1.8	3.7	0.1	1.9	3.3	0.6	1.3	0.2	1.4	1.7	5.5	3.3	6.0	5.2	3.7	3.4	3.4	2.0	2.0	2.7	3.3	3.0	3.2	Low	153
Uzbekistan	UZB	3.5	3.5	3.8	4.0	2.0	3.4	0.0	0.6	2.4	5.1	2.3	2.9	4.1	4.0	2.8	3.4	3.2	6.8	6.8	3.4	3.4	5.3	6.6	6.0	4.1	Medium	91
Vanuatu	VUT	4.7	4.7	7.4	3.2	6.7	6.2	0.0	3.7	1.8	9.8	5.5	5.9	1.7	5.4	3.2	3.4	4.8	5.7	5.7	5.7	5.7	5.7	7.1	6.4	5.2	High	48
Venezuela Viet Nam	VEN VNM	3.2	3.2	3.5 4.5	6.1 3.4	0.6	3.4	5.0 0.0	1.2	6.1 2.3	2.8	4.4 1.6	3.9 2.5	4.7 5.8	6.4 4.4	3.2 4.0	4.4 4.6	4.2 3.6	8.3 5.7	8.3 5.7	6.0 4.5	6.0 4.5	7.3 5.1	5.4 3.2	6.4 4.2	4.4 3.8	Medium Medium	77 112
Yemen	YEM	6.3	6.3	8.8	6.5	5.3	7.4	10.0	1.2	9.0	6.1	7.8	7.6	2.7	7.9	0.8	3.1	5.8	9.0	9.0	6.8	6.8	8.1	6.2	7.2	6.4	High	9
Zambia	ZMB	6.9	6.9	7.9	7.6	1.6	6.3	5.1	7.4	9.0	5.8	7.1	6.7	2.9	6.1	0.8	2.7	5.0	6.4	6.4	5.8	5.8	6.1	7.2	6.7	6.1	High	15
Zimbabwe	ZWE	4.8	4.8	7.3	5.8	3.3	5.9	4.1	6.1	9.4	4.6	6.7	6.3	3.9	7.1	2.4	4.0	5.3	7.5	7.5	6.5	6.5	7.0	4.8	6.0	5.3	High	45

INFORM COVID ANALYSIS 1: Supporting decisions on prioritisation for preparedness and early response

The following is an analysis that addresses key questions for humanitarian organisations by combining information from 3 INFORM products:

The new **INFORM COVID Risk Index**, which identifies "countries at risk from health and humanitarian impacts of COVID-19 that could overwhelm current national response capacity, and therefore lead to a need for additional international assistance".

The **INFORM Risk Index** (Mid-2020 version), which identifies "countries at risk from humanitarian emergencies that could overwhelm current national response capacity and therefore lead to a need for international assistance". The INFORM Risk Index takes into account natural and human hazards, as well as vulnerability and lack of coping capacity.

The **INFORM Severity Index** (March 2020 version) is a regularly updated model for measuring the severity of humanitarian crises globally, which brings together indicators of impact, conditions of affected people, and complexity.

An Excel file with the data used for this analysis is available on the INFORM HDX page: https://data.humdata.org/dataset/inform-covid-analysis-v01

Greece Costa Rica

Covid-19 Risk

What countries are most at risk from health and humanitarian impacts of COVID-19 (in the case of community transmission in the country)?

Countries with the highest structural risks relevant to COVID-19 (INFORM COVID Risk Index) and the severity of any existing humanitarian crisis (INFORM Severity Index March 2020). Showing 50 highest risk countries sorted by decreasing risk.

COVID-19 Risk Severity of existing (0-10)crisis (0-5) Central African Republic Somalia South Sudan High Chad High Afghanistan Very High Congo DR Very High Haiti Burundi Very High Yemen Very High Burkina Faso Niger Mozambique Liberia Guinea-Bissau Uganda High Sierra Leone High Madagascar High Zambia High Guinea High Comoros Lesotho High Ethiopia High Eritrea High High Togo Kiribati Sudan Mauritania Equatorial Guinea High Cameroon High Mali Congo Malawi High Papua New Guinea Gambia High Tanzania High 1.4 Côte d'Ivoire High Solomon Islands Djibouti Timor-Leste High Marshall Islands High Pakistan High Zimbabwe Eswatini 1.9 Low Bangladesh High

Vanuatu Nauru

Humanitarian Impacts

What are the risks relating to COVID-19 in countries already affected by humanitarian crises?

Countries with an existing humanitarian crisis (INFORM Severity Index March 2020) and their COVID-19 risk (INFORM COVID Risk Index). Showing all countries with a reported humanitarian crisis sorted by decreasing severity.

	Severity crisis (0-5	of existing 5)	COVID-1 (0-10)	
Somalia	4.5	Very High	7.3	Very High
Afghanistan	4.5	Very High	6.8	Very High
Congo DR	4.2	Very High	6.8	Very High
Yemen	4.5	Very High	6.4	High
Sudan	4.6	Very High	5.8	High
Syria	4.8	Very High	4.7	Medium
Korea DPR	4.1	Very High	4.7	Medium
Central African Republic	3.7	High	7.6	Very High
South Sudan	4.0	High	7.3	Very High
Chad 	3.9	High	7.2	Very High
Haiti	3.3	High	6.6	Very High
Niger	3.2	High	6.2	High
Nigeria	3.8	High	5.9	High
Eritrea	3.5	High	5.9	High
Ethiopia	3.3	High	5.9	High
Mali	3.6	High	5.7	High
Cameroon	3.3	High	5.7	High
Kenya	3.1	High	5.6	High
Pakistan	3.4	High	5.3	High
Zimbabwe	3.4	High	5.3	High
Bangladesh	3.3	High	5.2	High
Palestine	3.4	High	5.0	High
Iraq	4.0 3.2	High	4.8 4.8	Medium
Myanmar	4.0	High		Medium Medium
Venezuela	3.8	High	4.4	
Libya Colombia	3.5	High High	4.3	Medium Medium
Ukraine	3.3	High	4.0	Medium
Burundi	2.8	Medium	6.5	Very High
Burkina Faso	3.0	Medium	6.3	High
Mozambique	2.9	Medium	6.2	High
Uganda	2.8	Medium	6.1	High
Zambia	2.3	Medium	6.1	High
Madagascar	2.1	Medium	6.1	High
Lesotho	2.1	Medium	6.0	High
Mauritania	2.4	Medium	5.8	High
Malawi	2.3	Medium	5.7	High
Djibouti	2.5	Medium	5.5	High
Lebanon	2.6	Medium	5.0	High
Honduras	2.8	Medium	4.9	Medium
Guatemala	2.8	Medium	4.8	Medium
Philippines	2.5	Medium	4.7	Medium
Indonesia	2.1	Medium	4.4	Medium
Peru	2.3	Medium	4.3	Medium
Jordan	2.2	Medium	4.3	Medium
El Salvador	2.2	Medium	4.2	Medium
Turkey	2.6	Medium	3.9	Medium
Ecuador	2.2	Medium	3.9	Medium
Iran	3.0	Medium	3.7	Medium
Congo	2.0	Low	5.7	High
				
Tanzania	1.4		5.6	High
	1.9		5.3	High
Eswatini				
Eswatini Namibia	1.9		5.1	High
			5.1 5.1	High High
Namibia Senegal	1.9 1.8		5.1	High
Namibia Senegal Algeria	1.9 1.8 1.8		5.1 3.9	High Medium
Namibia Senegal Algeria Bahamas	1.9 1.8 1.8		5.1 3.9 3.9	High Medium Medium
Namibia Senegal Algeria	1.9 1.8 1.8 1.8 1.7		5.1 3.9	High Medium
Namibia Senegal Algeria Bahamas	1.9 1.8 1.8		5.1 3.9 3.9	High Medium Medium
Namibia Senegal Algeria Bahamas Thailand	1.9 1.8 1.8 1.8 1.7		5.1 3.9 3.9 3.8	High Medium Medium Medium

1.0 Very Low

New Crisis Watch List

Where might impacts of COVID-19 compound existing risks to cause a new humanitarian crisis?

Countries with no existing humanitarian crisis (INFORM Severity Index March 2020) with high COVID-19 risk (INFORM COVID Risk Index) and crisis risk from all hazards (INFORM Risk Index). Showing 50 highest risk countries (average of INFORM COVID Risk and INFORM Risk Index) with countries with a reported humanitarian crisis removed.

	COVID-1 (0-10)	19 Risk	INFORM Risk (all hazards) (0-10)					
Côte d'Ivoire	5.6	High	5.9	High				
Papua New Guinea	5.7	High	5.7	High				
Liberia	6.2	High	5.1	High				
Sierra Leone	6.1	High	5.2	High				
Guinea	6.0	High	5.2	High				
Guinea-Bissau	6.2	High	4.8	Medium				
Angola	5.6	High	5.1	High				
Togo	5.9	High	4.6	Medium				
Nepal	5.1	High	5.3	High				
Solomon Islands	5.6	High	4.5	Medium				
Comoros	6.0	High	3.9	Medium				
Benin	5.8	High	4.1	Medium				
India	4.6	Medium	5.3	High				
Equatorial Guinea	5.8	High	3.9	Medium				
Gambia	5.7	High	4.0	Medium				
Timor-Leste	5.5	High	4.2	Medium				
Cambodia	4.9	Medium	4.8	Medium				
Kiribati	5.9	High	3.6	Medium				
South Africa	4.7	Medium	4.7	Medium				
Vanuatu	5.2	High	4.1	Medium				
Rwanda	5.0	High	4.3	Medium				
Nicaragua	4.6	Medium	4.6	Medium				
Bolivia	4.9	Medium	4.2	Medium				
Gabon	5.0	High	4.1	Medium				
Marshall Islands	5.4	High	3.6	Medium				
Micronesia	5.0	High	3.9	Medium				
Lao PDR	4.6	Medium		Medium				
Tajikistan	4.3	Medium	4.5	Medium				
Mexico	3.7	Medium	5.1	High				
Ghana	4.7	Medium	4.0	Medium				
Nauru	5.2	High	3.2					
Morocco	4.3	Medium	4.0	Medium				
Azerbaijan	3.9	Medium	4.4	Medium				
Tuvalu	5.1	High	3.1	Low				
Sri Lanka	4.3	Medium	3.8	Medium				
Dominican Republic	4.3	Medium		Medium				
Georgia	4.0	Medium	3.9	Medium				
Tonga	4.0	Medium	3.9	Medium				
Bosnia and Herzegovina	4.1	Medium	3.7	Medium				
Botswana	4.7	Medium	3.0					
Dominica	4.2	Medium						
Kyrgyzstan	3.8	Medium	3.8	Medium				
China	3.4	Low	4.2	Medium				
Sao Tome and Principe	5.1	High	2.4					
Belize	3.8	Medium	3.7	Medium				
Viet Nam	3.8	Medium	3.7	Medium				
Moldova Republic of	4.4	Medium	2.9					
Bhutan	4.1	Medium	3.2					
Albania	4.2	Medium						
Panama	3.7	Medium	3.5	Medium				

Capacity Check

Where are the risks of humanitarian impacts related to COVID-19 highest compared to 'normal' risks and might therefore require the biggest change in response levels?*

*Assuming current capacity is aligned with pre-COVID risks.

Countries with the greatest discrepancy between their all-hazard risk of a humanitarian crisis (INFORM Risk Index) and COVID-19 risk (INFORM COVID Risk Index), where there may be the largest difference in current humanitarian capacity and capacity required to deal with potential health and humanitarian impacts of COVID-19. Showing all countries at high and very high risk of humanitarian crisis, sorted by Δ INFORM COVID Risk - INFORM RISK.

	COVID-1 (0-10)	9 Risk	INFORM (all haza	Δ	
Liberia	6.2	High	5.1	High	1.1
Sierra Leone	6.1	High	5.2	High	0.9
Madagascar	6.1	High	5.2	High	0.9
Guinea	6.0	High	5.2	High	0.8
Eritrea	5.9	High	5.2	High	0.7
Congo	5.7	High	5.1	High	0.6
Angola	5.6	High	5.1	High	0.5
Burundi	6.5	Very High	6.1	High	0.4
Tanzania	5.6	High	5.2	High	0.4
Djibouti	5.5	High	5.2	High	0.3
Mauritania	5.8	High	5.6	High	0.2
Haiti	6.6	Very High	6.4	High	0.2
Zimbabwe	5.3	High	5.2	High	0.1
Papua New Guinea	5.7	High	5.7	High	0.0
Lebanon	5.0	High	5.0	High	0.0
Burkina Faso	6.3	High	6.4	High	-0.
Nepal	5.1	High	5.3	High	-0.
Palestine	5.0	High	5.2	High	-0.
Chad	7.2	Very High	7.5	Very High	-0.
Honduras	4.9	Medium	5.2	High	-0.
Central African Republic	7.6	Very High	7.9	Very High	-0.
Côte d'Ivoire	5.6	High	5.9	High	-0.
Ethiopia	5.9	High	6.3	High	-0.
Uganda	6.1	High	6.5	Very High	
Mozambique	6.2	High	6.7	Very High	-0.
Kenya	5.6	High	6.1	High	
Mali	5.7	High	6.3	High	
Korea DPR	4.7	Medium	5.3	High	
Nigeria	5.9	High	6.6	Very High	
South Sudan	7.3	Very High	8.0	Very High	-0.
India	4.6	Medium	5.3	High	-0.
Congo DR	6.8	Very High	7.6	Very High	-0
Pakistan	5.3	High	6.1	High	-0
Bangladesh	5.2	High	6.0	High	-0
Guatemala	4.8	Medium	5.6	High	-0.
Philippines	4.7	Medium	5.5	High	-0
Cameroon	5.7	High	6.6	Very High	-0
Sudan	5.8	High	6.8	Very High	-1.
Colombia	4.3	Medium	5.4	High	-1.
Turkey	3.9	Medium	5.1	High	-1.
Niger	6.2	High	7.4	Very High	-1.
Afghanistan	6.8	Very High	8.1	Very High	-1.
Mexico	3.7	Medium	5.1	High	-1.
Egypt	3.6	Medium	5.1	High	-1.
Myanmar	4.8	Medium	6.3	High	-1.
Iran	3.7	Medium	5.2	High	-1.
Yemen	6.4	High	8.0	Very High	-1.
Somalia	7.3	Very High	9.0	Very High	-1.
Iraq	4.8	Medium	6.7	Very High	-1.
Libya	4.3	Medium	6.6	Very High	-2.
Syria	4.7	Medium	7.2	Very High	-2.

INFORM COVID ANALYSIS 2: Vulnerability in countries from different income groups

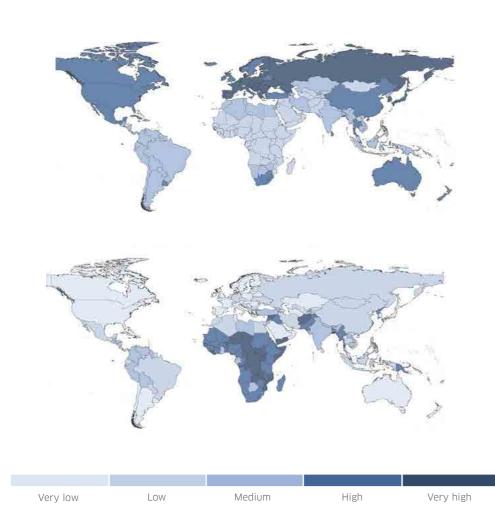
The Vulnerability dimension of the INFORM COVID Risk Index requires a specific analysis.

The two sub-dimensions, COVID-specific vulnerability (e.g. age, comorbidities, movement) and hazard-independent vulnerability (broad vulnerability to all hazards e.g. poverty, inequality, food insecurity, insecure living conditions) are negatively correlated (cc -0.7). In other words, countries with high COVID-specific vulnerability generally have low broader vulnerability (see maps).

COVID-specific vulnerability and hazard-independent Vulnerability contribute similarly to the overall Vulnerability (cc 0.31 vs 0.44). But when you look at income groups or regions the results are different (see charts)

For High income countries and Europe only the COVID-specific vulnerability is important (cc 0.95, cc 0.97), while in Lower and Lower-middle Income countries and Africa, the opposite is true (cc 0.11, cc 0.01).

INFORM COVID Risk Index: Vulnerability – COVID-specific vulnerability (top) and hazard-independent vulnerability (bottom)



What does this mean?

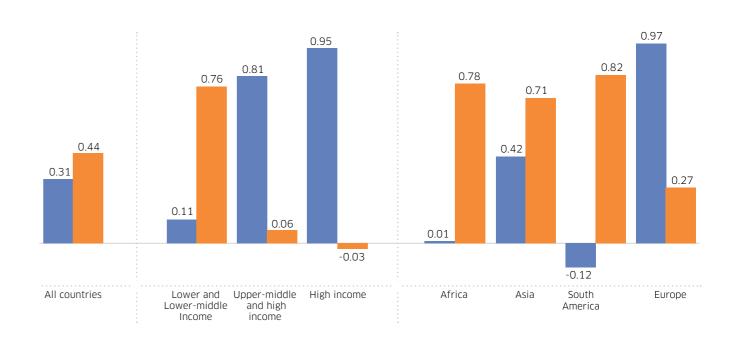
Analysis of the INFORM COVID Risk Index suggests that factors that make individuals vulnerable to COVID-19, like age and specific pre-existing conditions, drive vulnerability and risk in higher income countries.

However, in countries with the highest risk of humanitarian crisis as a result of COVID-19, which are overwhelmingly low and lower-middle income countries, factors of vulnerability that are highly specific to COVID-19 are less important than broader socio-economic factors or those associated with vulnerable groups like the food insecure, people in poor health and displaced persons.

Although this conclusion partly arrives from the way risk index is conceptualised, it suggests that – at least in the preparedness and early response phase of the pandemic in countries at high risk of humanitarian crisis – risk can be reduced by addressing broader vulnerabilities through 'no regrets' type interventions.

This is also important because impacts on humanitarian operations and the secondary impacts of the pandemic are also likely to have wide-ranging humanitarian consequences beyond the direct health impacts of the disease.

Contribution to vulnerability by income groups and regions – in lower and lower-middle income countries COVID-specific vulnerability is less important that broader factors of vulnerability



■ Correlation Covid-19

Vulnerability vs Vulnerability

Correlation Hazard-independent

Vulnerability vs Vulnerability



INFORM is a collaboration of the Inter-Agency Standing Committee and the European Commission. The Joint Research Centre of the European Commission is the scientific and technical lead of INFORM.

This report is based on the data available at https://drmkc.jrc.ec.europa.eu/inform-index and https://data.humdata.org/organization/inform

Note: This analysis is provided for information only and should not be used for decision-making alone. It is based purely on INFORM data and does not reflect the institutional position of the European Commission, OCHA or any INFORM Partner

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