

## Data Insights: Covid-2019 Monitor

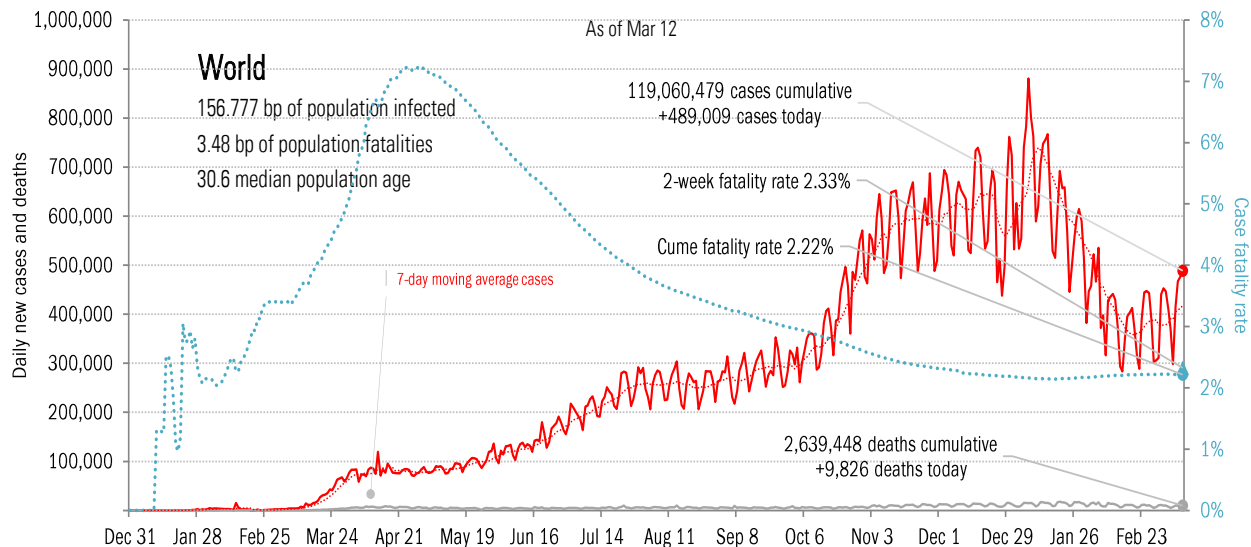
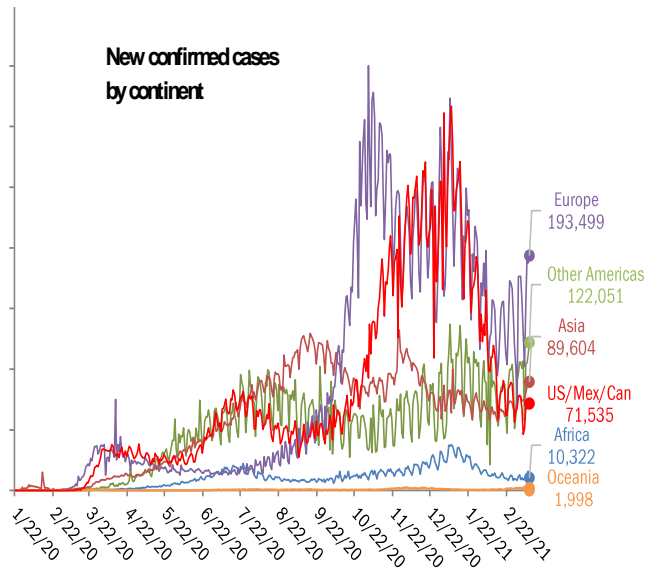
Saturday, March 13, 2021

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
Brazil	+85,663	Brazil	+2,216
United States	+61,204	United States	+1,769
Italy	+26,790	Mexico	+699
France	+25,177	Russia	+477
India	+24,882	Italy	+380
Poland	+18,873	Poland	+351
Turkey	+14,941	Czechia	+241
Ukraine	+13,045	Ukraine	+239
Germany	+12,770	Germany	+228
Czechia	+11,274	France	+223
<b>+294,619</b>		<b>+6,823</b>	
World	+489,009	World	+9,826
Top ten	60%	Top ten	69%

#### New confirmed cases by continent



Source: [Johns Hopkins](#), TrendMacro calculations

#### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

## The ten worst US states

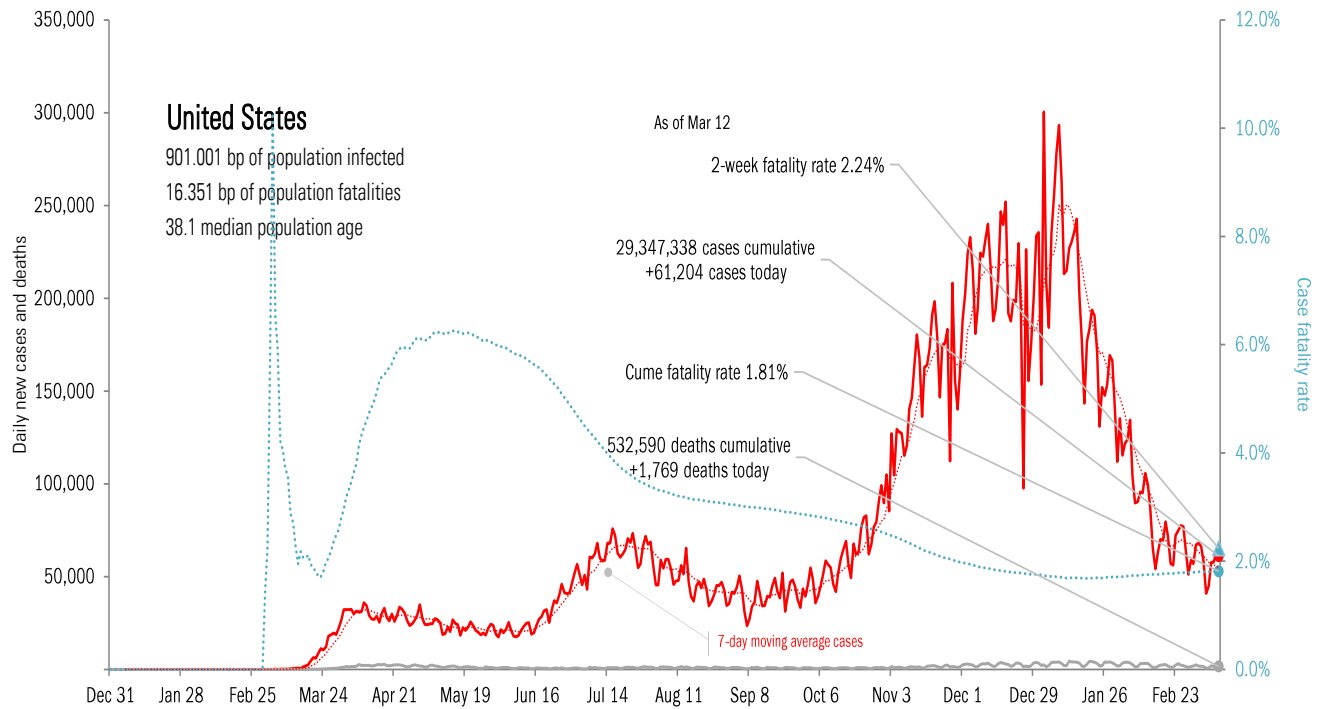
New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+5,518		CA	+357		FR	+208		CA	3,618,777		CA	55,517		TX	216,030		R	95%	RI	86%
FL	+5,214		TX	+222		GA	+69		TX	2,721,511		NY	48,757		CA	214,777		MA	82%	DE	84%
NY	+4,226		CH	+209		KY	+29		FL	1,967,865		TX	46,229		FL	141,169		DC	81%	DC	82%
NJ	+4,049		VV	+173		CT	+11		NY	1,724,425		FL	32,145		NY	102,196		GA	80%	GA	82%
CA	+3,925		FL	+105		KS	+10		IL	1,206,084		PA	24,510		GA	89,755		CT	80%	MO	81%
PA	+3,055		NY	+67		MA	+10		GA	1,031,713		NJ	23,854		CH	71,904		MD	79%	TX	80%
MI	+2,944		VA	+59		TX	+10		CH	986,740		IL	23,164		PA	68,399		MO	79%	FL	79%
NC	+1,998		AZ	+58		IL	+9		PA	964,147		GA	18,164		KY	65,086		PA	78%	AL	79%
CH	+1,806		GA	+47		MI	+9		NC	881,823		CH	17,870		IL	64,955		VV	78%	MI	76%
MA	+1,786		IL	+41		ME	+5		AZ	831,832		MI	16,729		AZ	56,478		SC	78%	NC	75%
+34,521			+1,338			+370			15,934,917			306,939			1,090,749						
All states	+61,204			+1,769			-70		All states	29,347,338			532,590			1,942,877		All states	73%		70%
Top ten	56%			76%			-529%		Top ten	54%			58%			56%		Median	72%		71%

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NY	-2,943	NY	-50	NY	-72	TX	+10,856
AZ	-848	GA	-34	CH	-58	PA	+2,500
DE	-558	SC	-30	WA	-20		
AL	-417	KS	-29	ND	-15		
CK	-272	AL	-27	MN	-13		

US recovery data is not updating. We are working to obtain a new source.



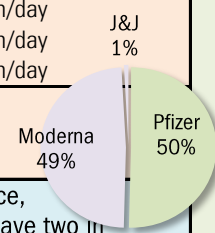
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

US overall	Over last day	Share pop full immunization
140.12 million doses distributed	+2.32 million/day	United States 10.5%
105.80 million doses administered	+3.04 million/day	United Kingdom 2.1%
68.72 million persons with one shot	+1.95 million/day	France 3.2%
36.58 million persons with two shots	+1.19 million/day	Spain 3.4%
7.50 million shots long-term care residents/staff	+0.03 million/day	Germany 3.3%
		Italy 3.2%
		Australia 0.8%
		Israel 47.3%
		Canada 1.6%
		Japan 0.0%
		China 9.1%
		India 0.4%
		Brazil 1.3%

75.5% of distributed doses administered  
 26.0% of US pop 1 shot  
 100% of LTC 1 shot

13.9% 2 shots  
 60.2% 2 shots



At today's dosing pace, every American will have two in

**181 days**  
by Sep 9, 2021

**75 days**  
by May 26, 2021

Global data differs due to sources

State	Best	Middle	Worst
Doses distributed as % population	Best		
One shot received as % population		Middle	
Two shots received as % population			Worst

AK
64.3%
26.5%
17.0%

ME
43.3%
23.8%
12.8%

WI
38.0%
21.3%
11.9%

VT
46.4%
22.4%
11.7%

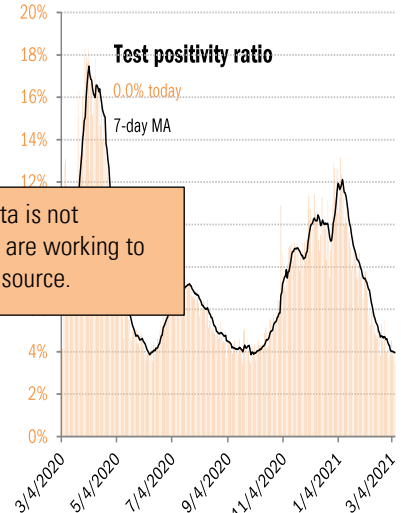
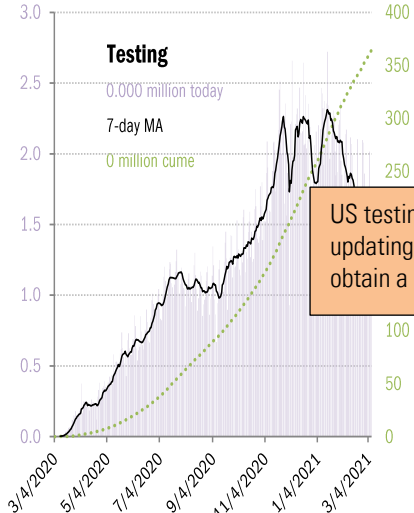
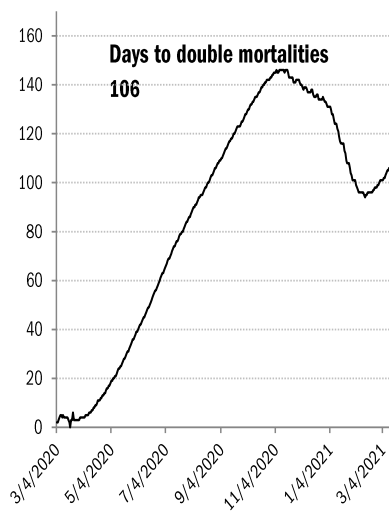
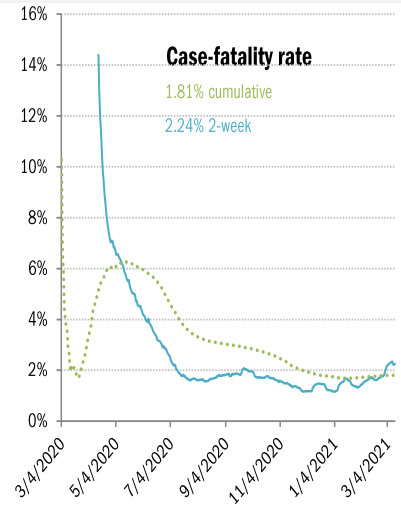
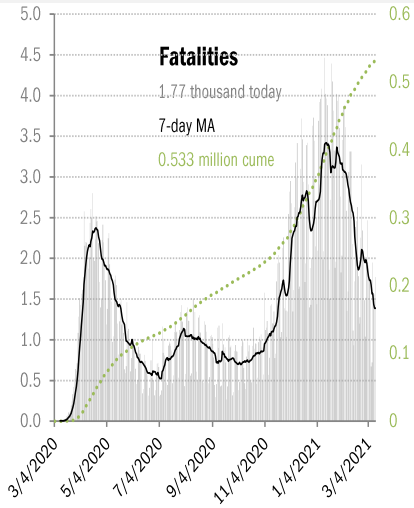
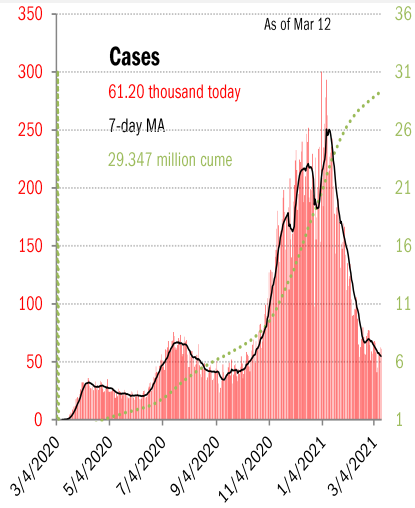
WA	ID	MT	ND	MN	IL	MI	NY	MA	RI
40.8%	37.5%	43.6%	45.0%	39.6%	39.8%	38.5%	41.2%	41.5%	
20.4%	18.1%	22.2%	24.4%	22.2%	20.5%	19.4%	20.6%	24.0%	
11.5%	10.8%	12.8%	13.3%	11.8%	10.5%	10.8%	10.0%	11.8%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT
38.8%	37.9%	46.7%	50.8%	39.9%	37.7%	39.5%	40.6%	39.6%	46.1%
19.1%	19.0%	21.0%	25.6%	22.2%	18.4%	19.1%	19.9%	22.7%	27.6%
10.9%	10.7%	13.0%	14.1%	11.4%	11.8%	11.0%	9.5%	11.6%	10.5%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE
40.6%	35.6%	40.5%	42.2%	38.8%	39.6%	43.5%	37.7%	39.8%	43.0%
19.6%	17.5%	20.2%	21.8%	18.1%	21.3%	22.2%	20.8%	20.6%	19.5%
9.1%	7.9%	11.6%	12.4%	9.7%	10.9%	13.8%	11.9%	11.7%	11.4%
AZ	NM	KS	AR	TN	NC	SC	DC	OK	LA
41.2%	48.9%	42.9%	40.5%	39.1%	39.4%	36.8%	54.7%	49.9%	39.5%
21.0%	27.7%	20.0%	18.0%	17.0%	19.2%	18.5%	15.9%	22.5%	18.8%
11.3%	15.6%	10.4%	9.8%	9.1%	10.8%	10.6%	8.2%	12.5%	10.9%
MS	AL	GA	TX	FL	PR				
41.0%	37.5%	37.5%	37.5%	41.3%	44.5%				
18.1%	17.6%	14.6%	17.6%	19.0%	13.8%				
10.0%	9.3%	9.2%	9.3%	10.4%	8.1%				

As of Mar 12

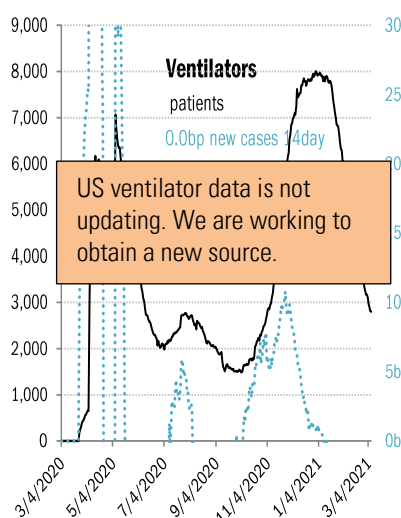
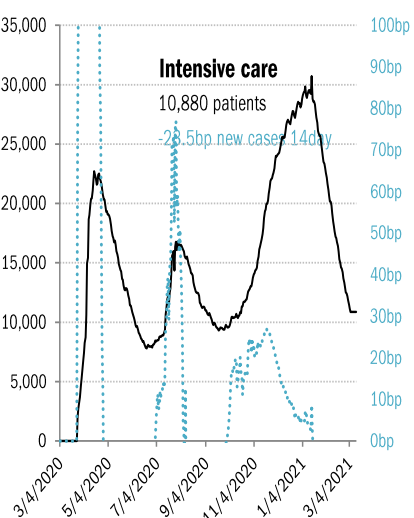
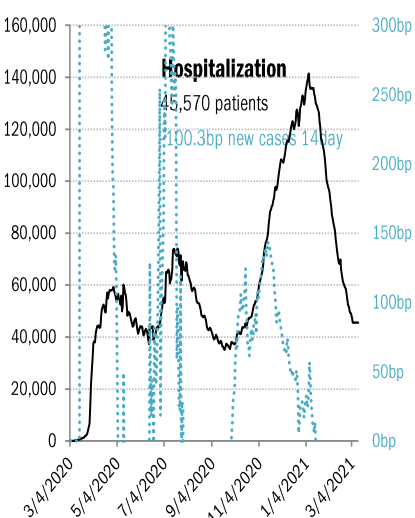
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

National and state-by-state data do not line up because of different sources



US testing data is not updating. We are working to obtain a new source.

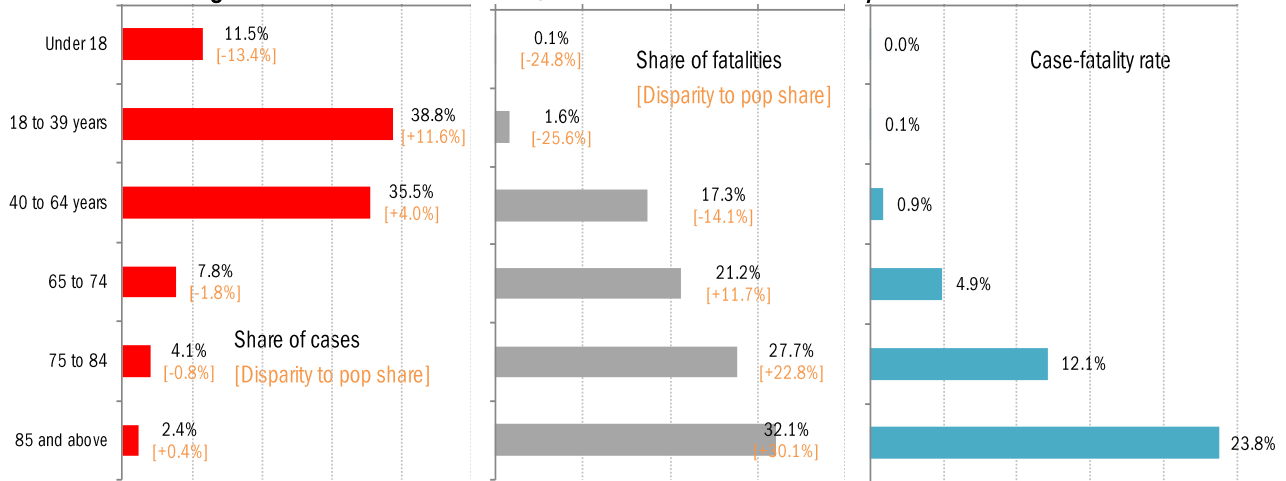


US ventilator data is not updating. We are working to obtain a new source.

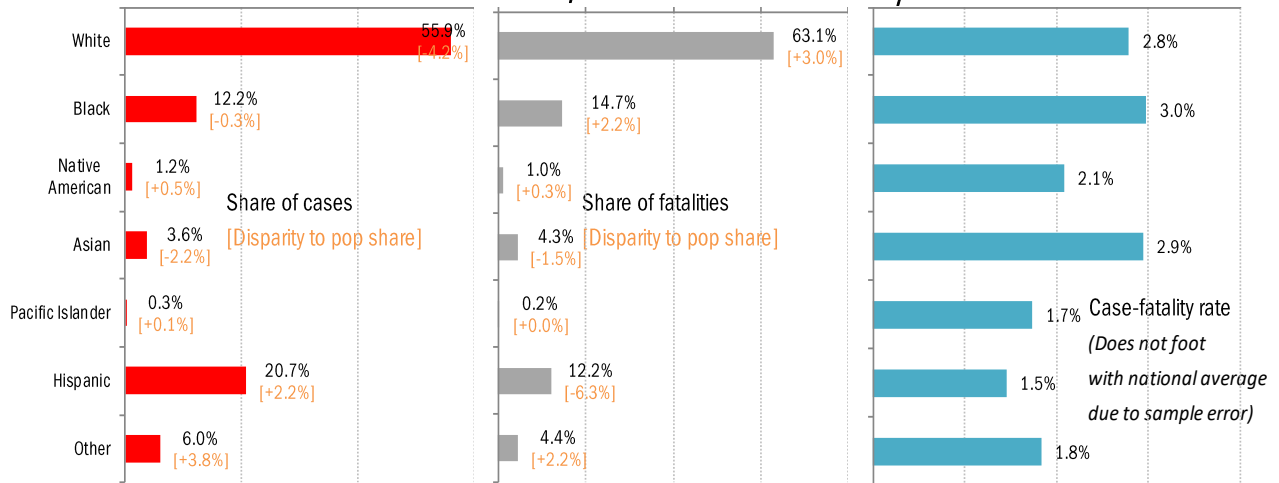
Source: [Johns Hopkins](#), TrendMacro calculations

# US deep-dive on the demographics of age, race and health

## Age distribution of US cases, fatalities and case-fatality rates

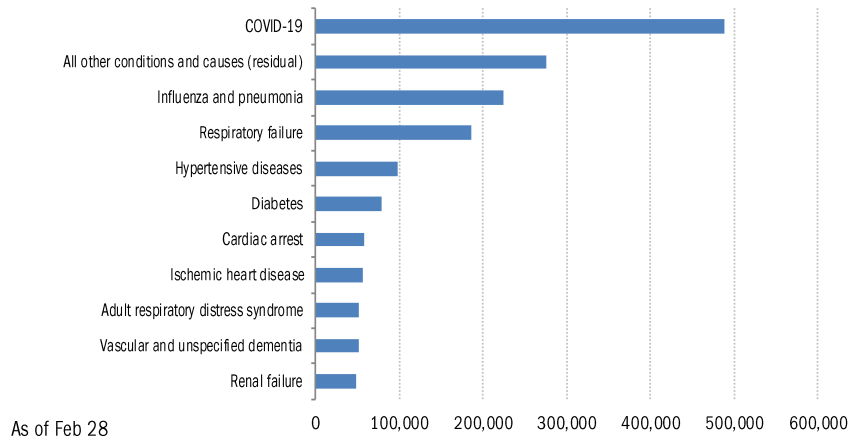


## Racial distribution of US cases, fatalities and case-fatality rates



## Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



For 6% of the deaths, COVID-19 was the only cause mentioned. For deaths with conditions or causes in addition to COVID-19, on average, there were 3.8 additional conditions or causes per death.

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

## Recommended reading

### [The U.S. Is Sitting on Tens of Millions of Vaccine Doses the World Needs](#)

Noah Weiland and Rebecca Robbins  
*New York Times*  
March 11, 2021

### [Netanyahu's 'Obsession' Helped Pfizer Choose Israel for Study](#)

Alisa Odenheimer  
*Bloomberg*  
March 12, 2021

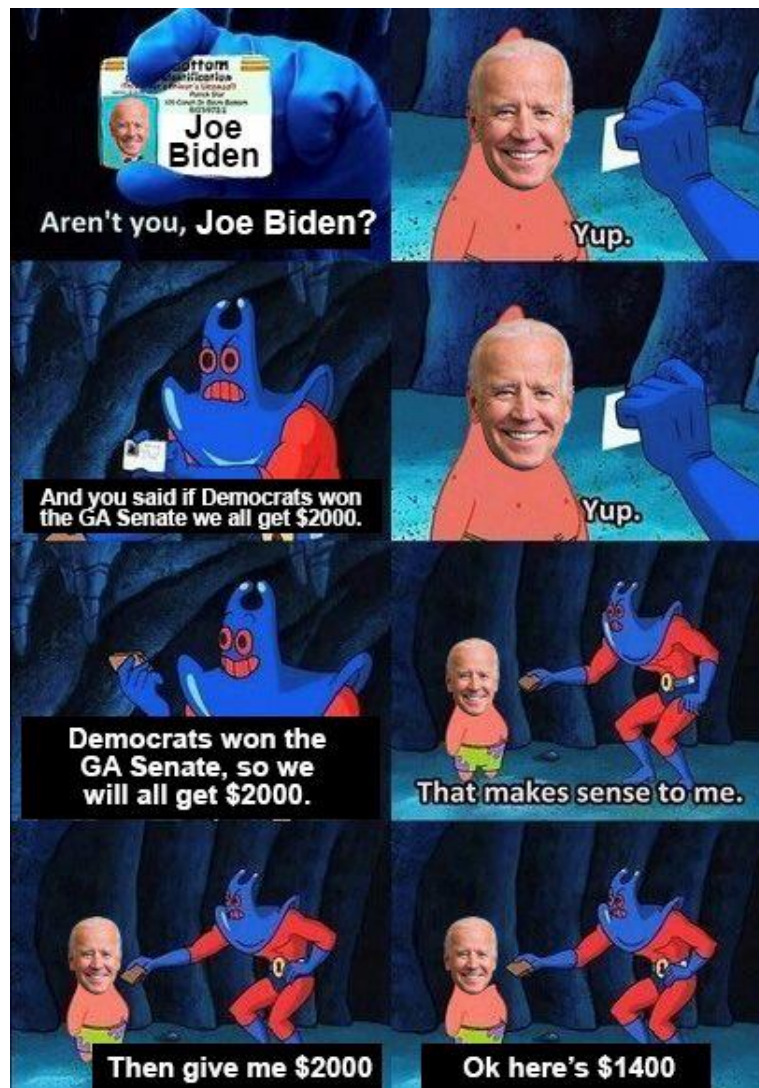
### [Astra May Supply Less Than Half the Shots EU Expects by June](#)

Chiara Albanese, Suzi Ring, and Morten Buttler  
*Bloomberg*  
March 12, 2021

### [Remarks by President Biden on the Anniversary of the COVID-19 Shutdown](#)

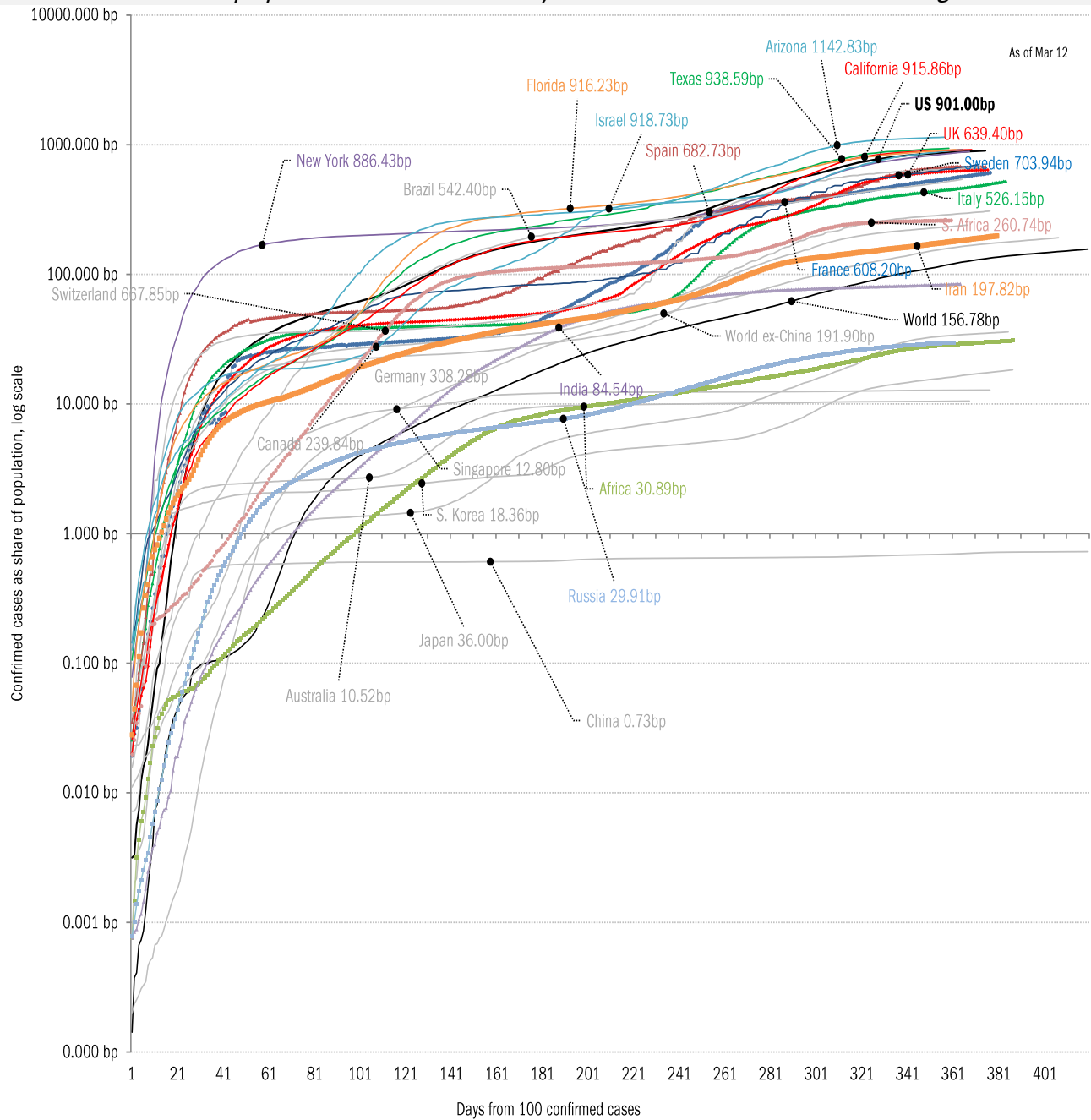
*The White House*  
March 11, 2021

## Meme of day



Source: Our beloved clients, and [Power Line blog "The Week in Pictures"](#)

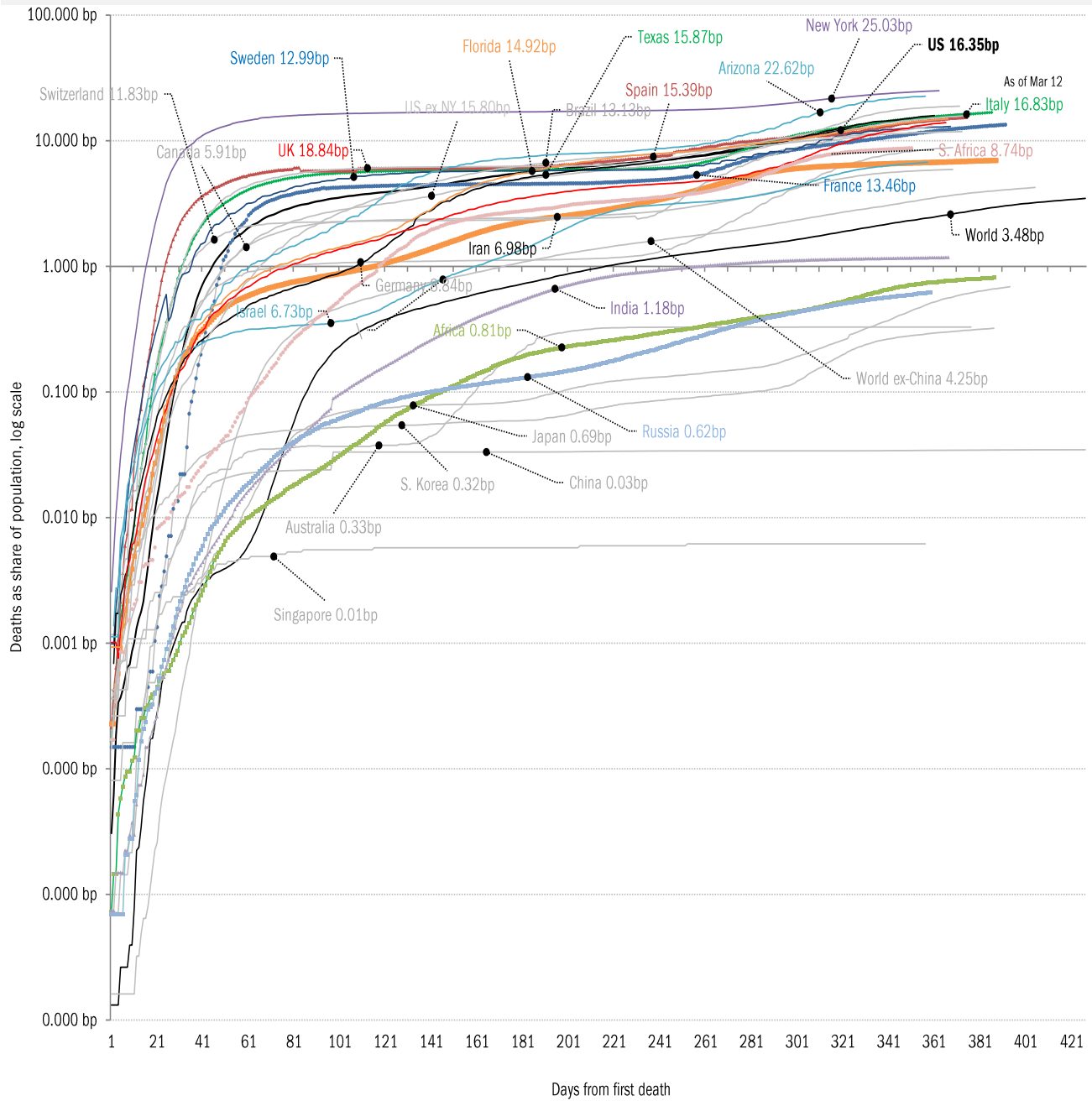
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [Johns Hopkins](#), TrendMacro calculations

# The coronavirus mortality accelerometer ... tracking the world's fatality curves

## Share of deceased population from day of first fatality



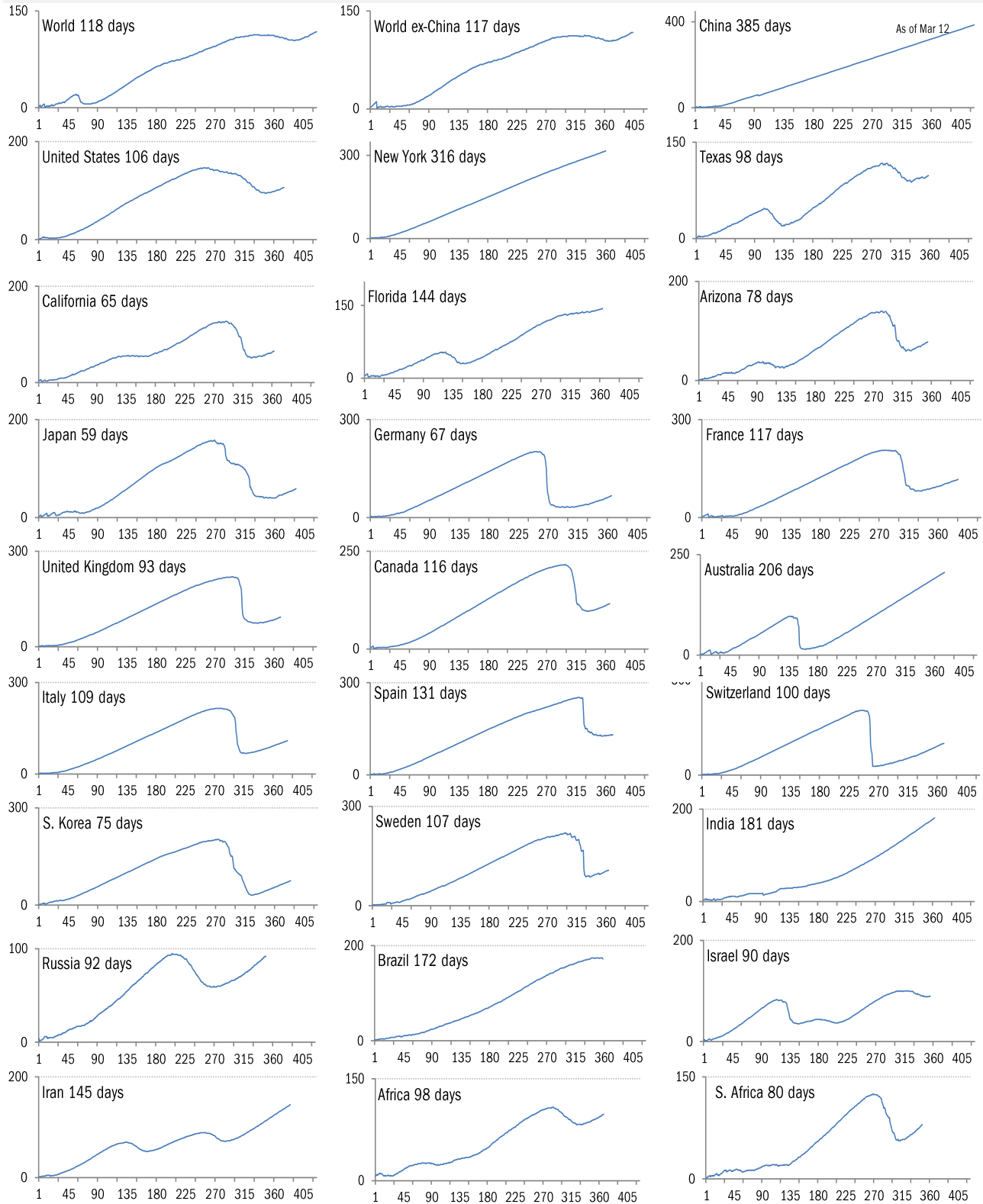
Source: [Johns Hopkins](#), TrendMacro calculations



# "Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

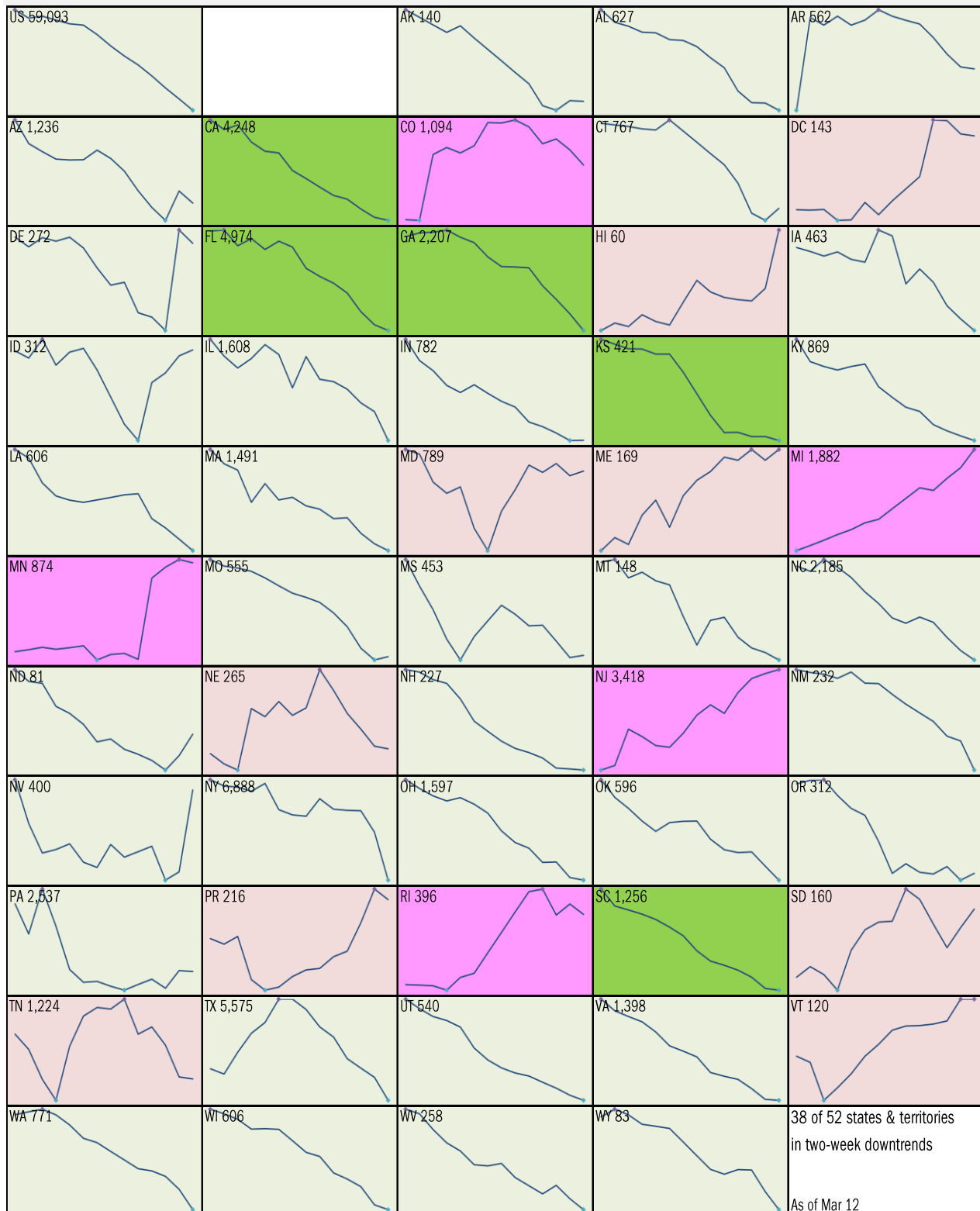
Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



Source: [Johns Hopkins](#), TrendMacro calculations

Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases  
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Johns Hopkins](#), TrendMacro calculations

US testing data is not updating. We are working to obtain a new source.

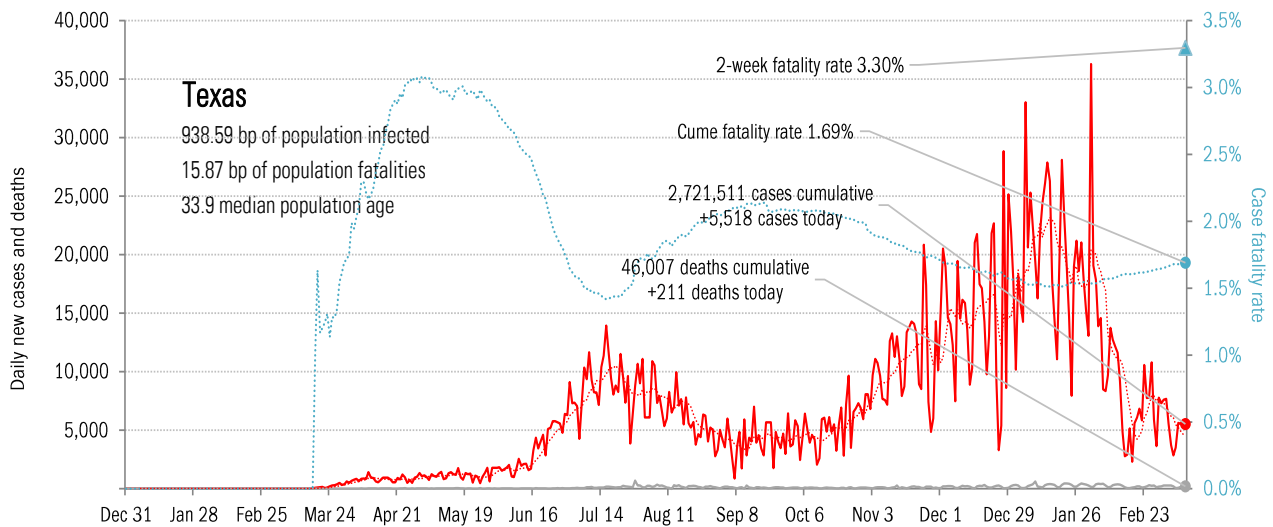
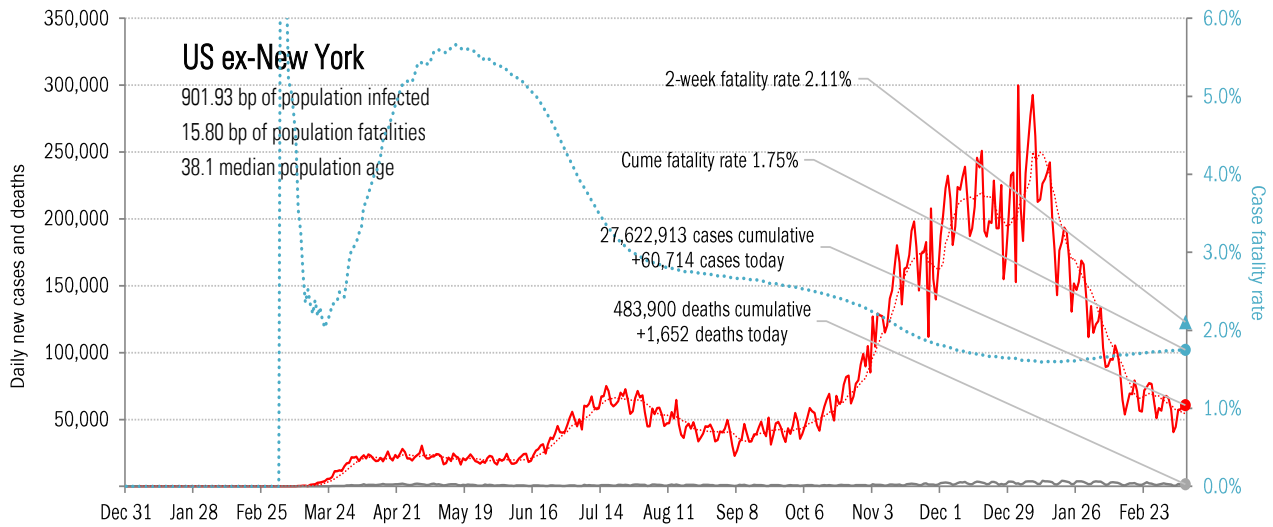
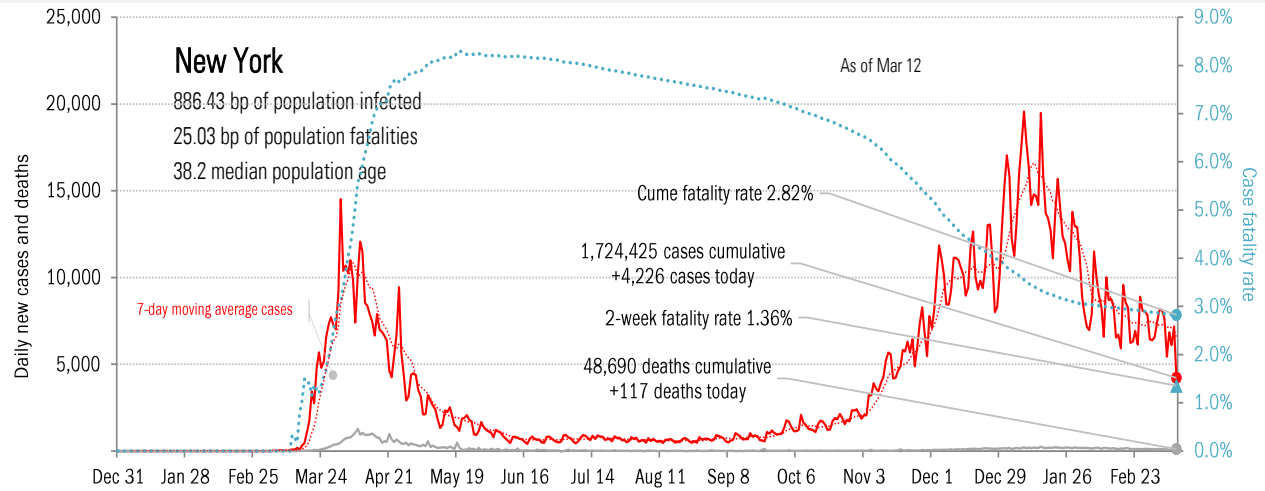
Alt requirement to [Open Up America Again](#): 14-day "downward 14-day moving average, last 14 days" Most recent value displayed

■ Downward trajectory 
 ■ Five best 
 ■ Upward trajectory 
 ■ Five worst



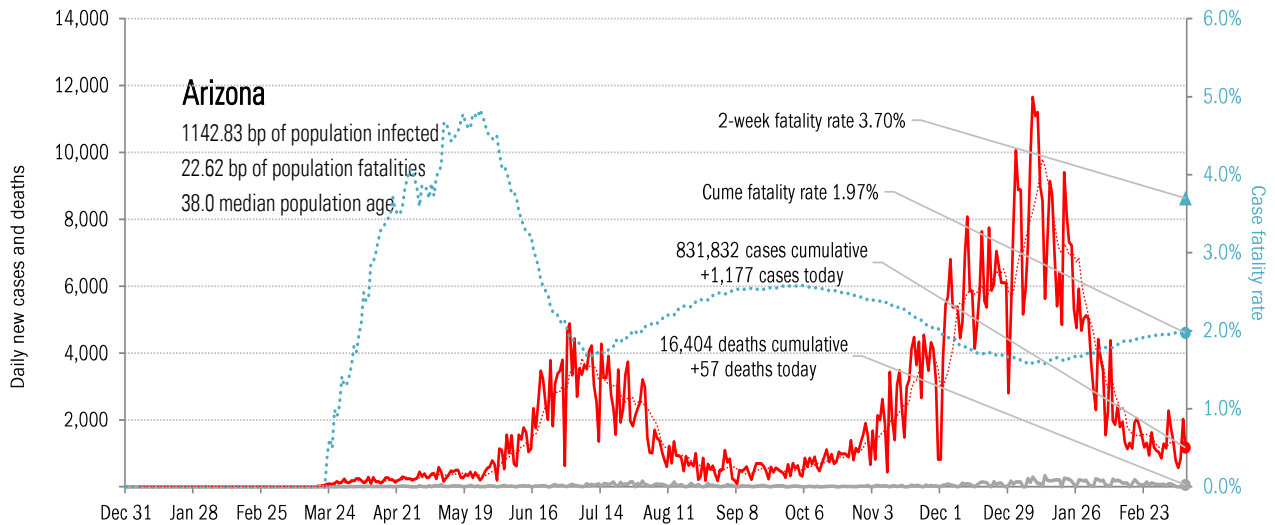
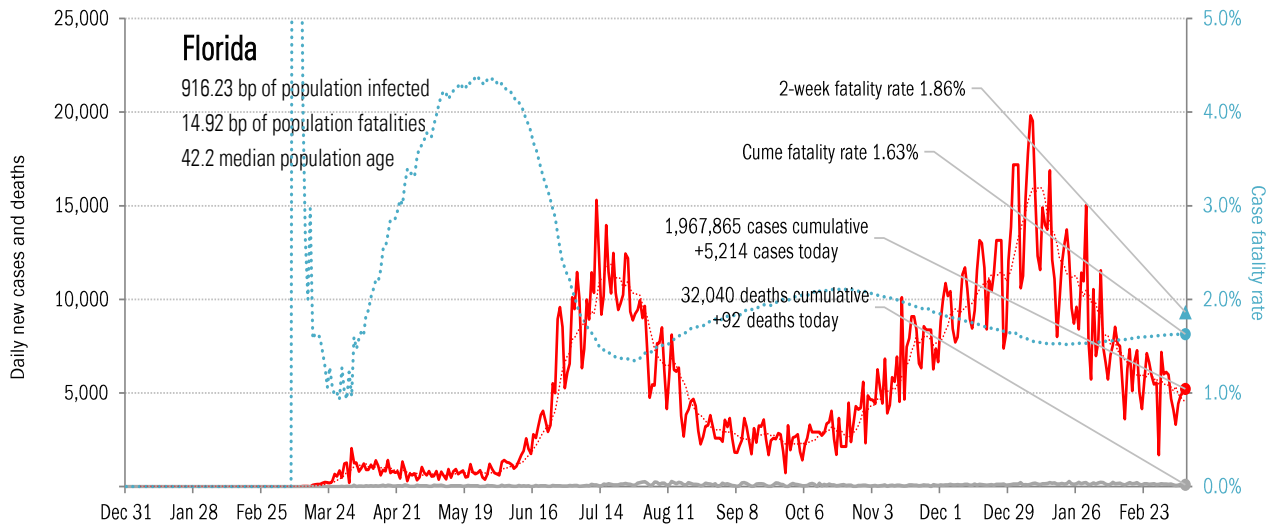
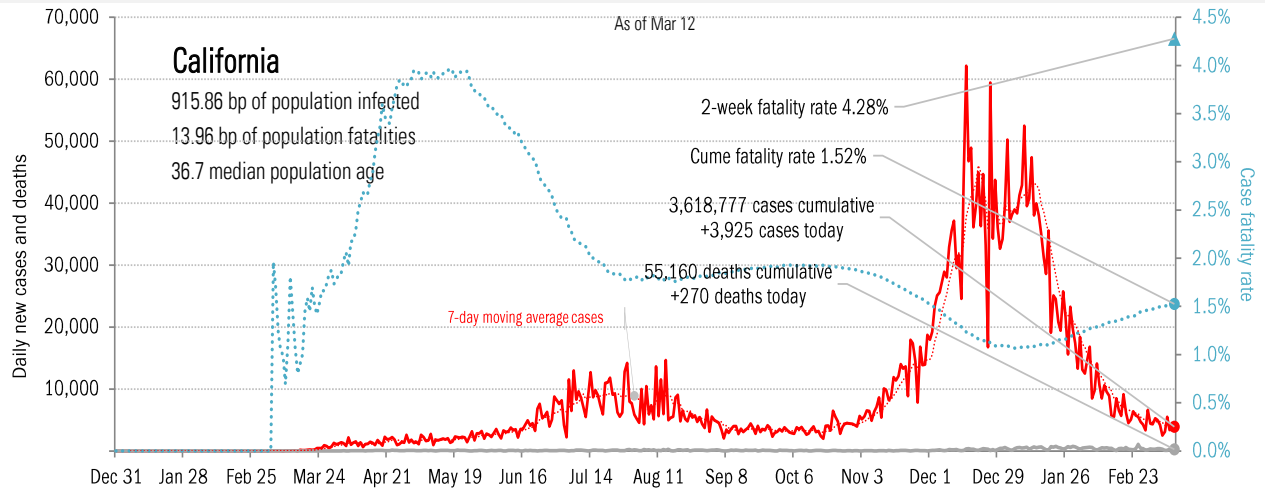
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



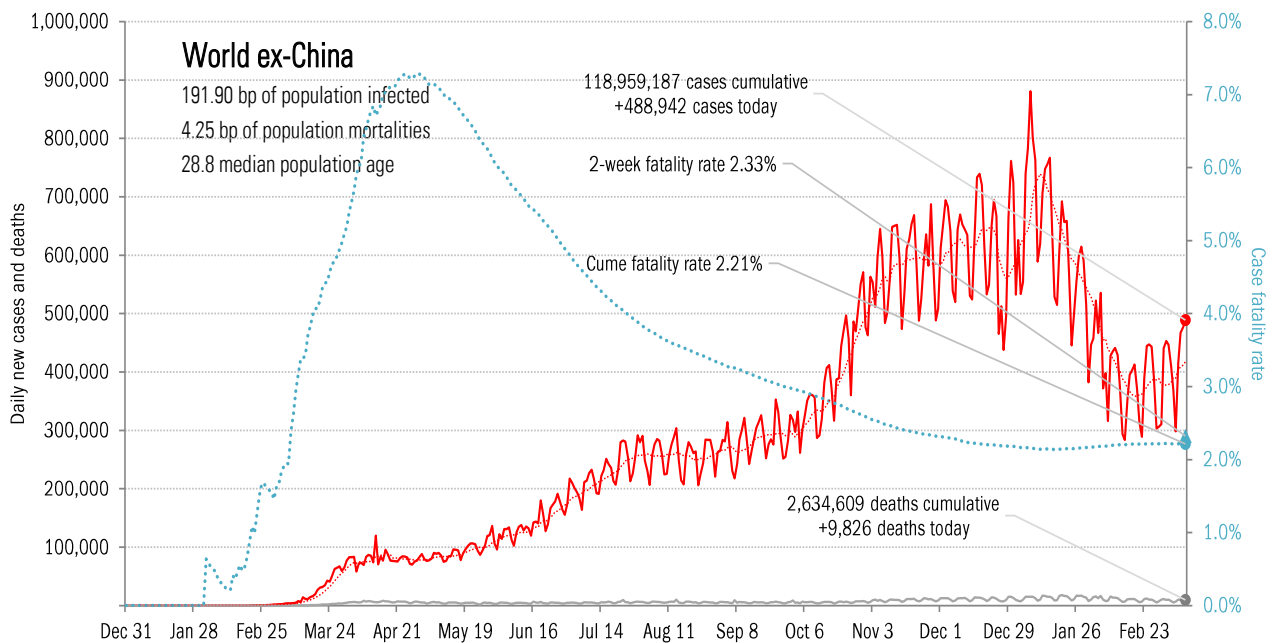
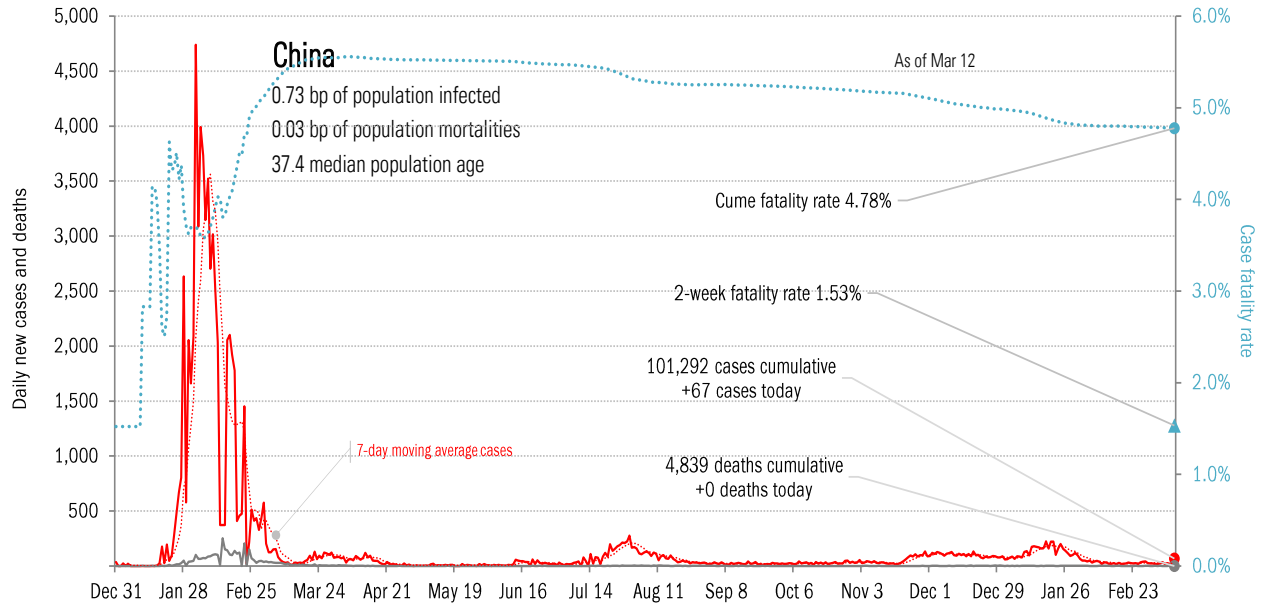
Source: [Johns Hopkins](#), TrendMacro calculations

# The sun-belt hot-spot states (other than Texas)



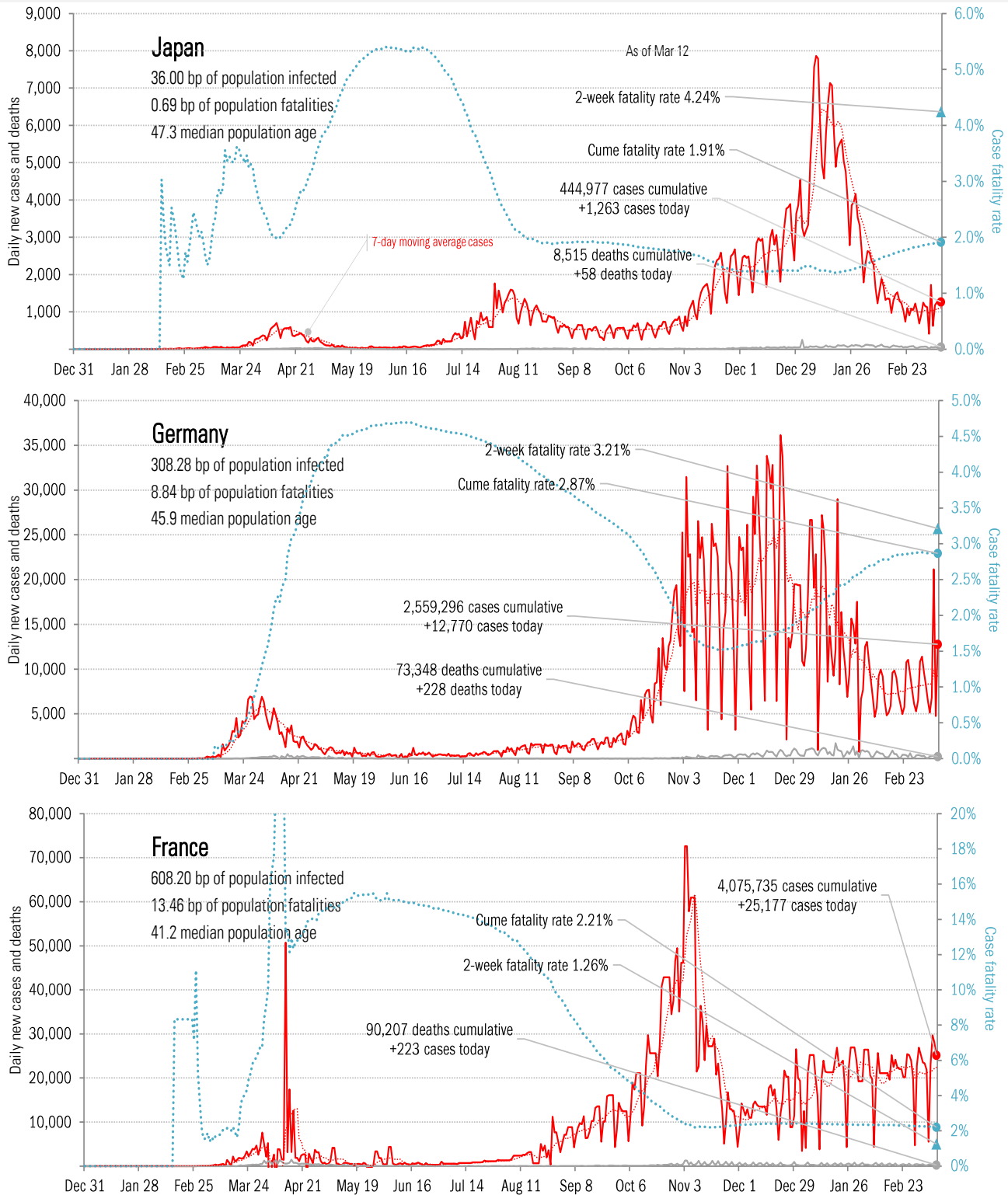
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



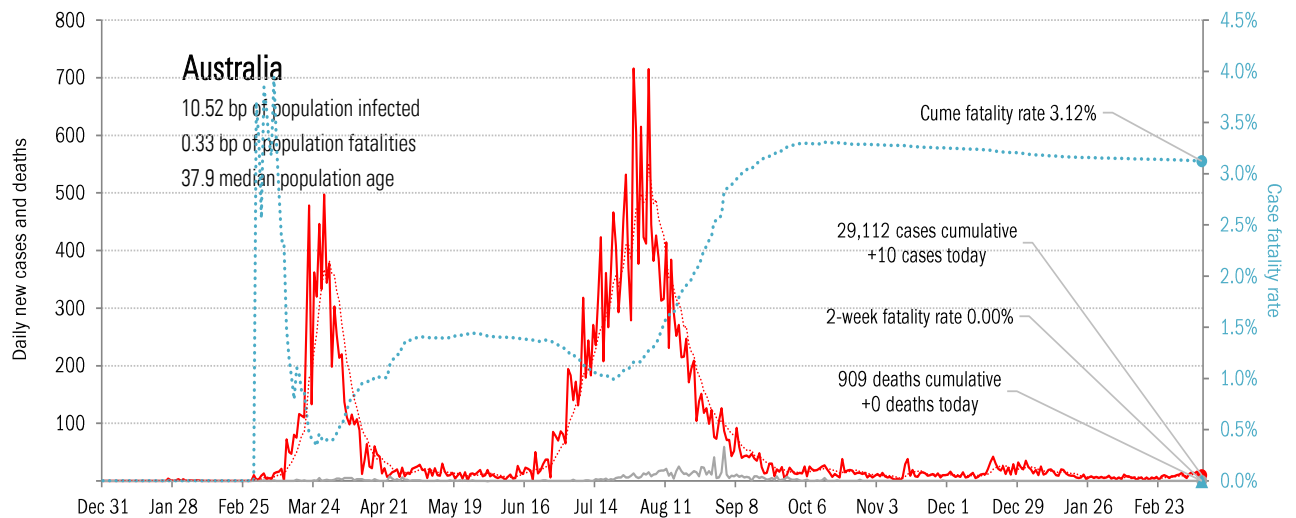
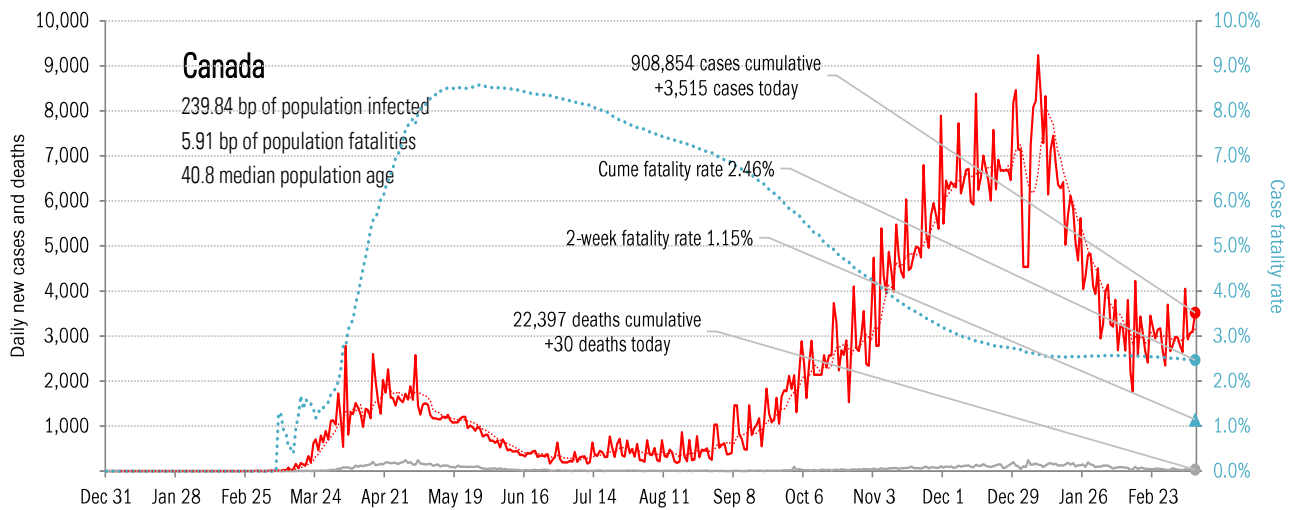
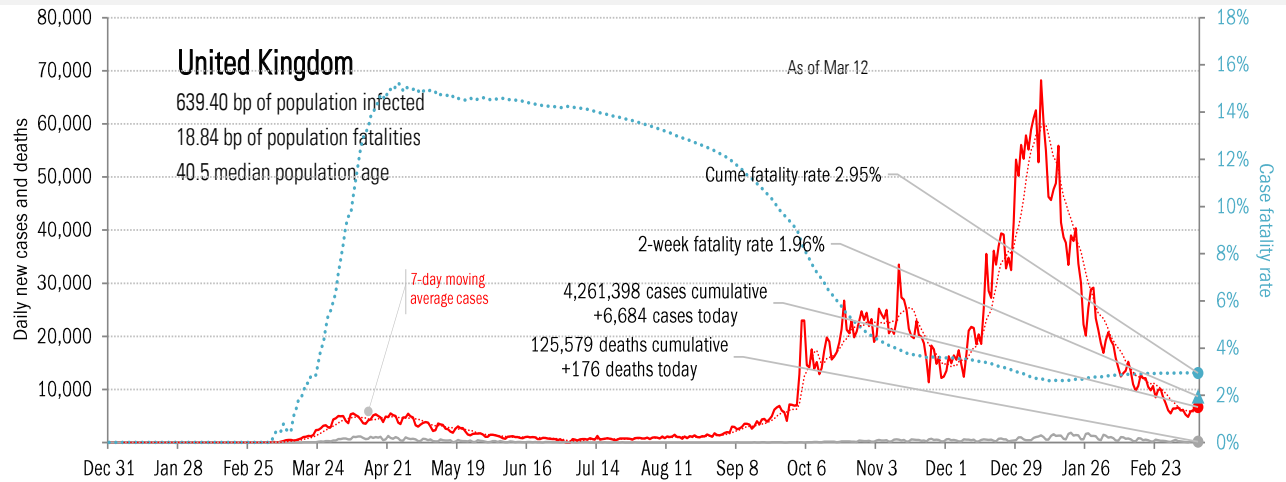
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



Source: [Johns Hopkins](#), TrendMacro calculations

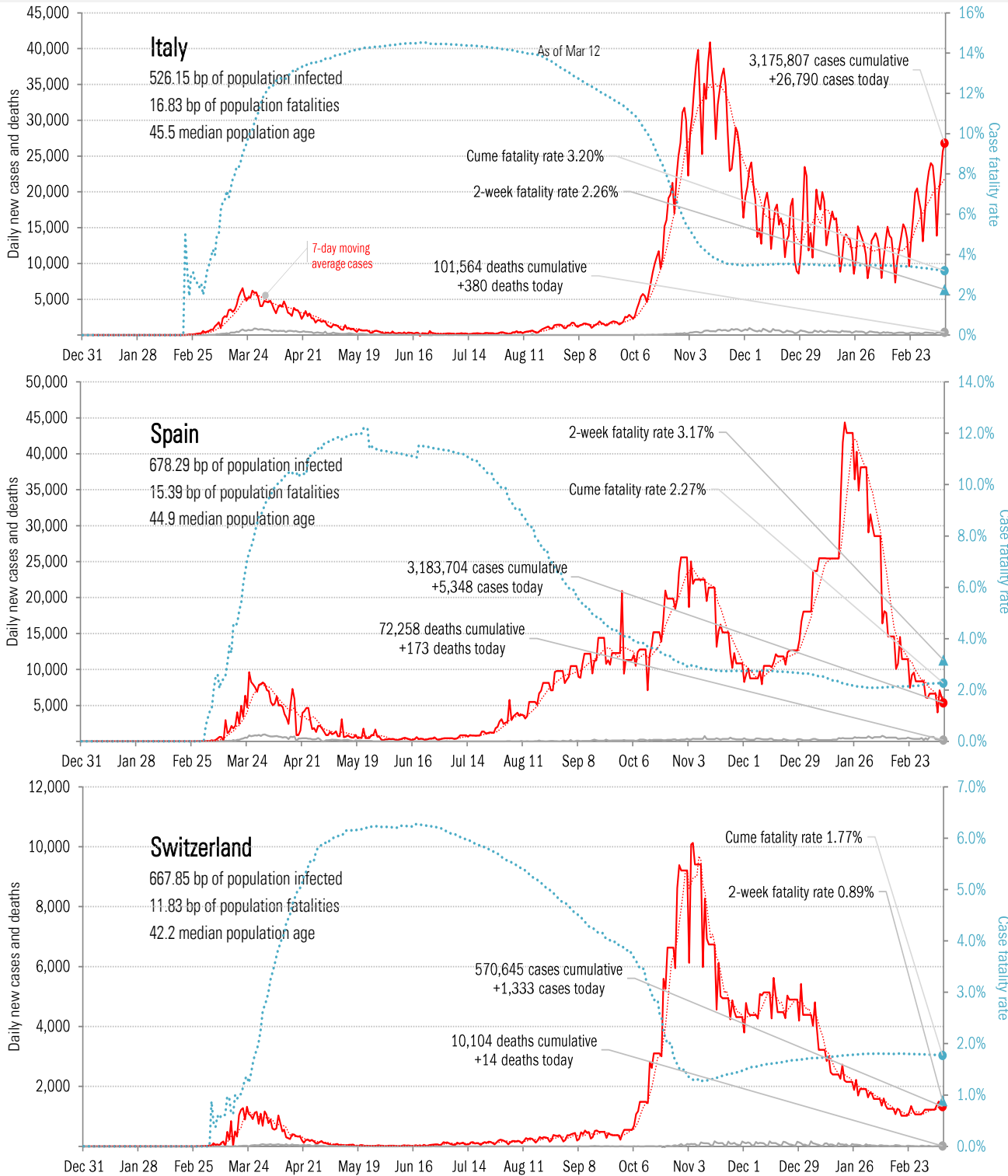
# Impact in The Anglosphere



Source: [Johns Hopkins](#), TrendMacro calculations

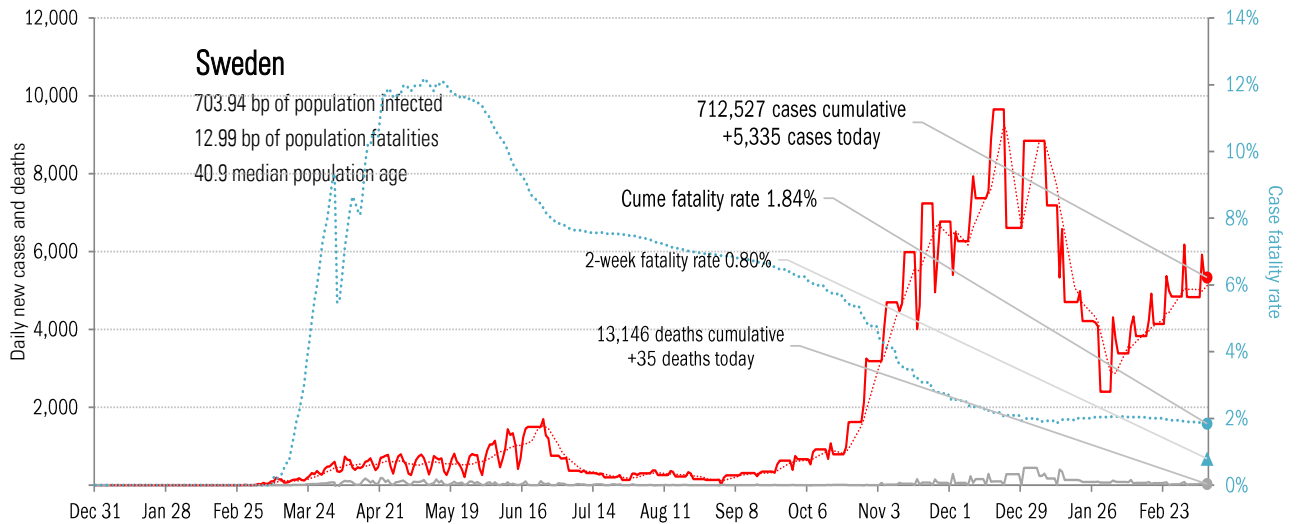
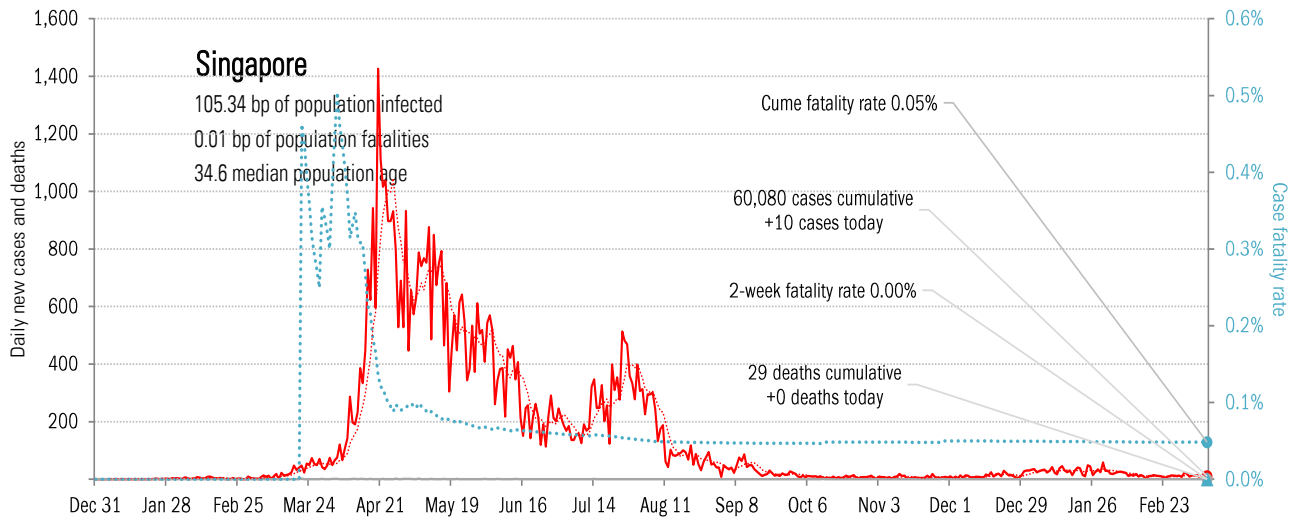
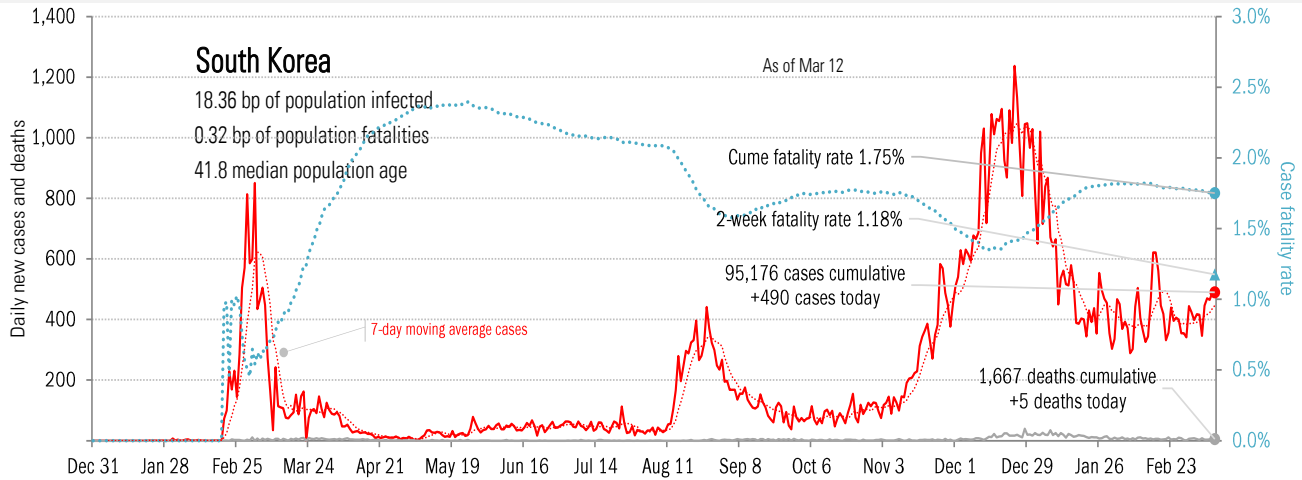


# Impact in continental Europe



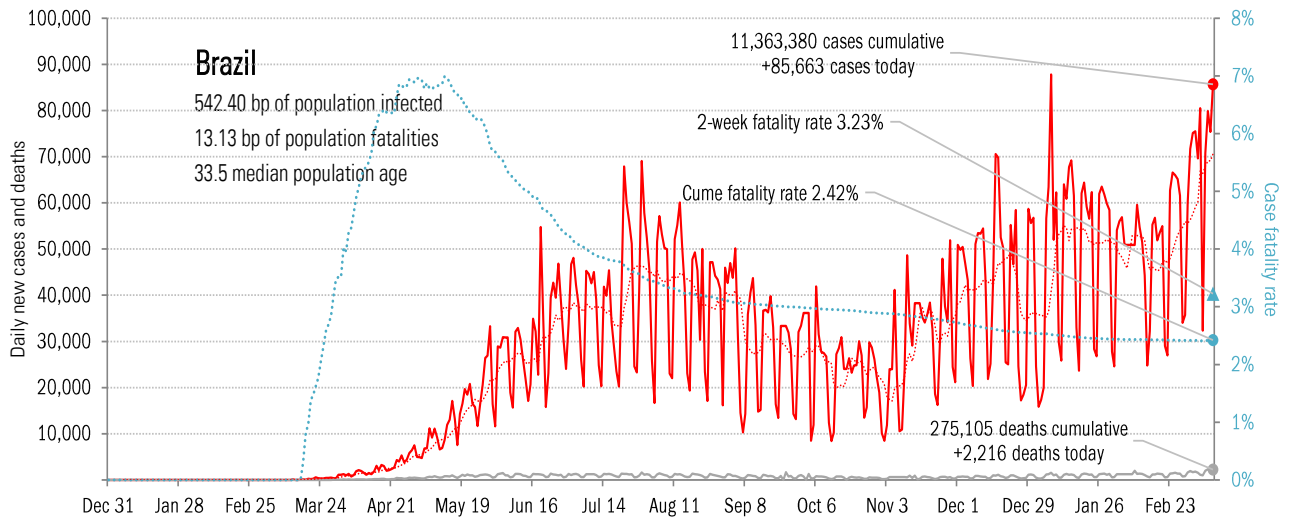
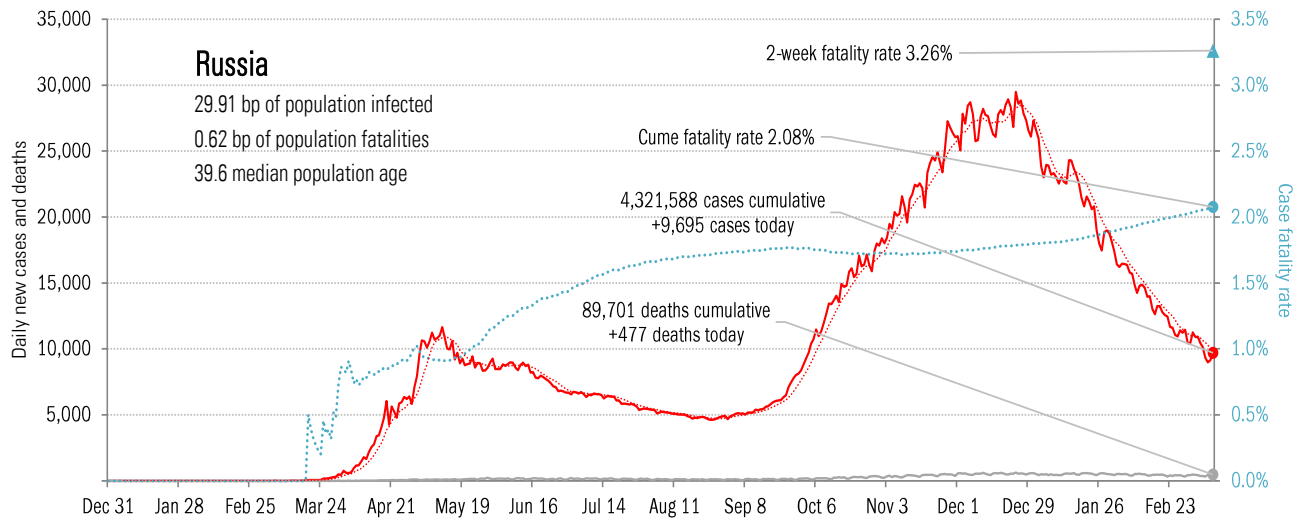
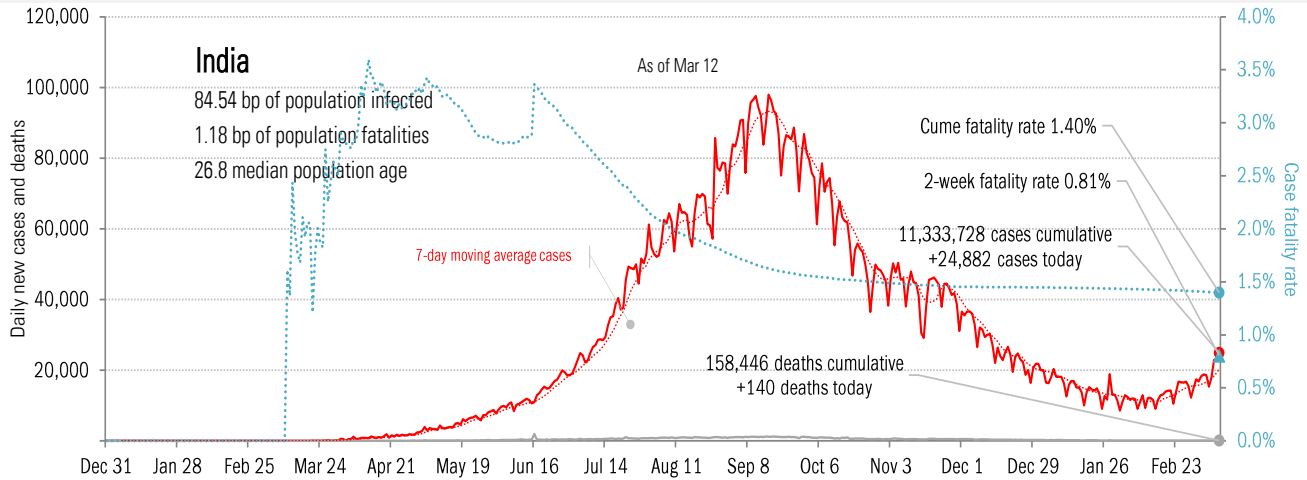
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



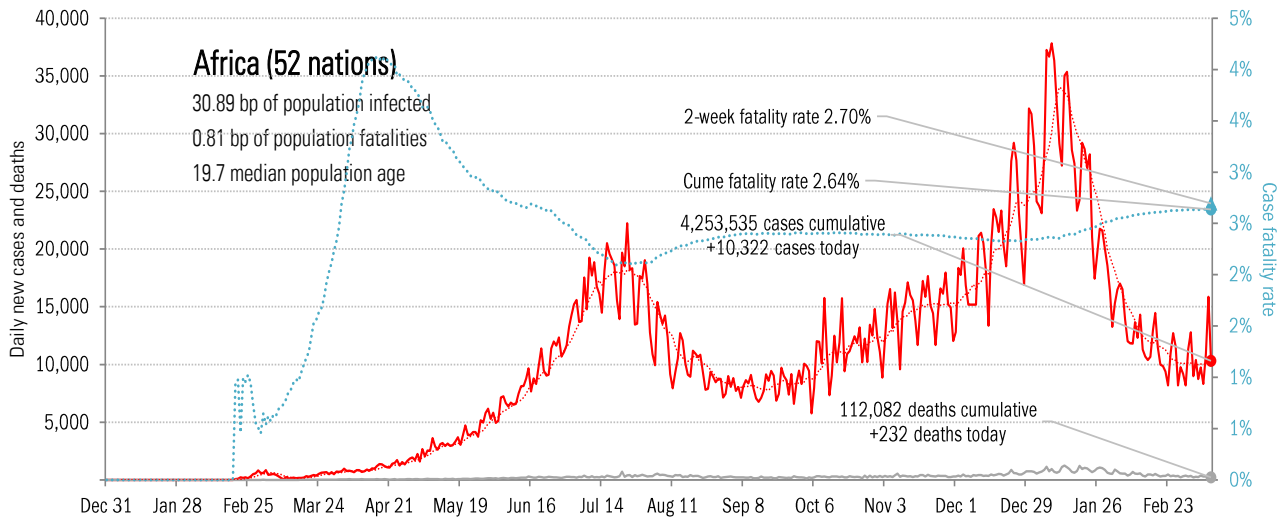
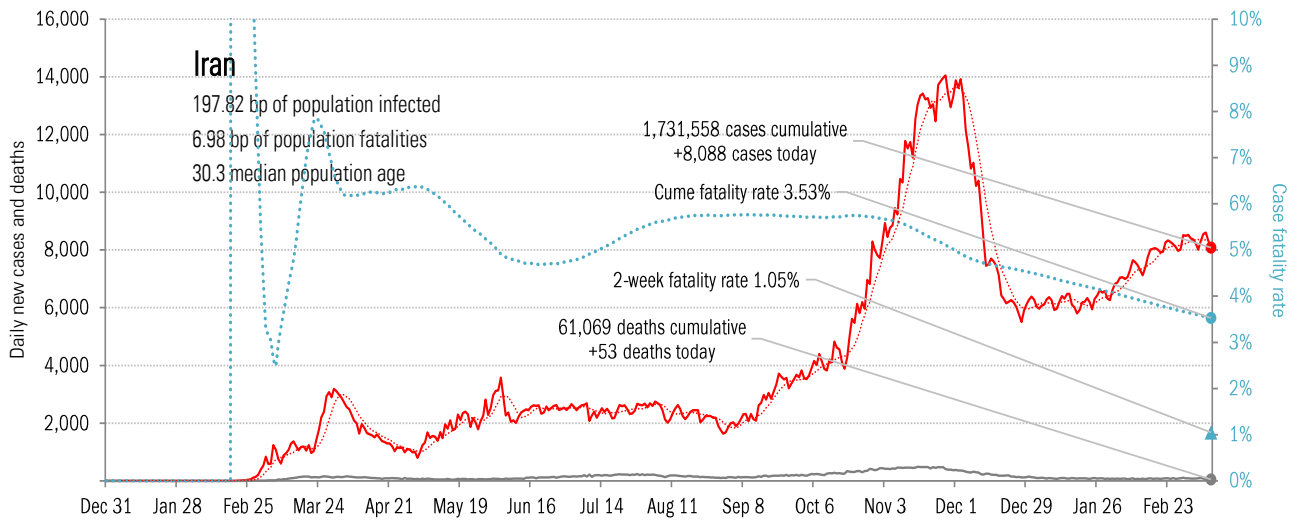
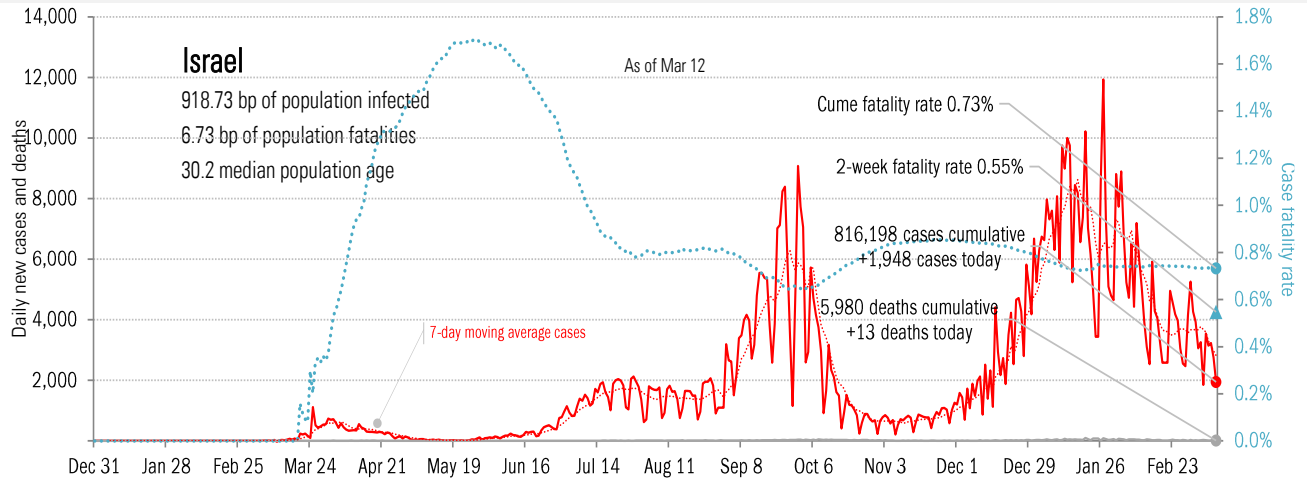
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



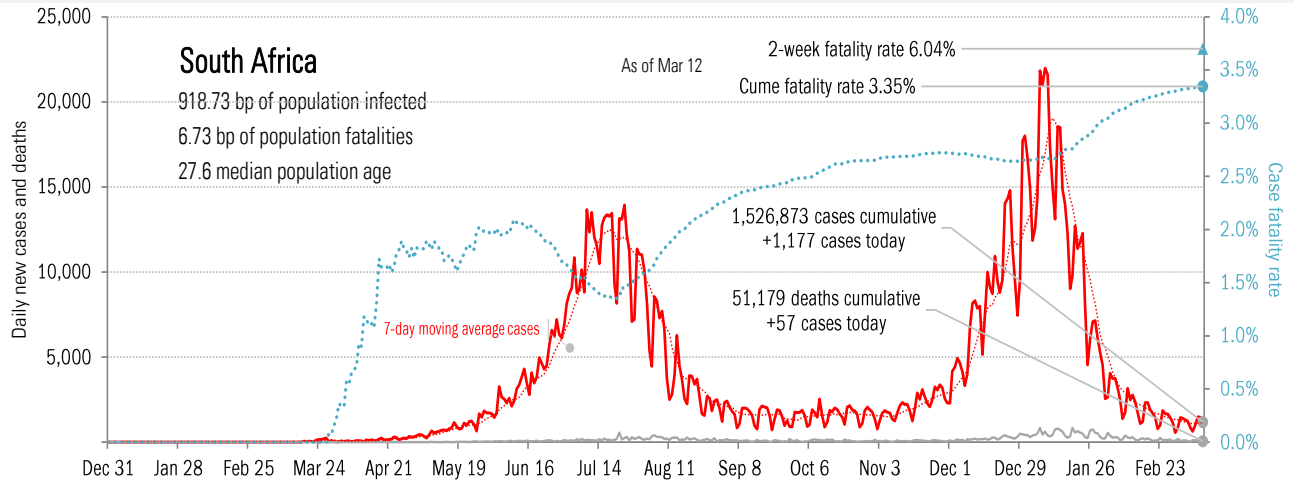
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [Johns Hopkins](#), TrendMacro calculations

## Impact in Africa, continued



Source: [Johns Hopkins](#), TrendMacro calculations