

## Data Insights: Covid-2019 Monitor

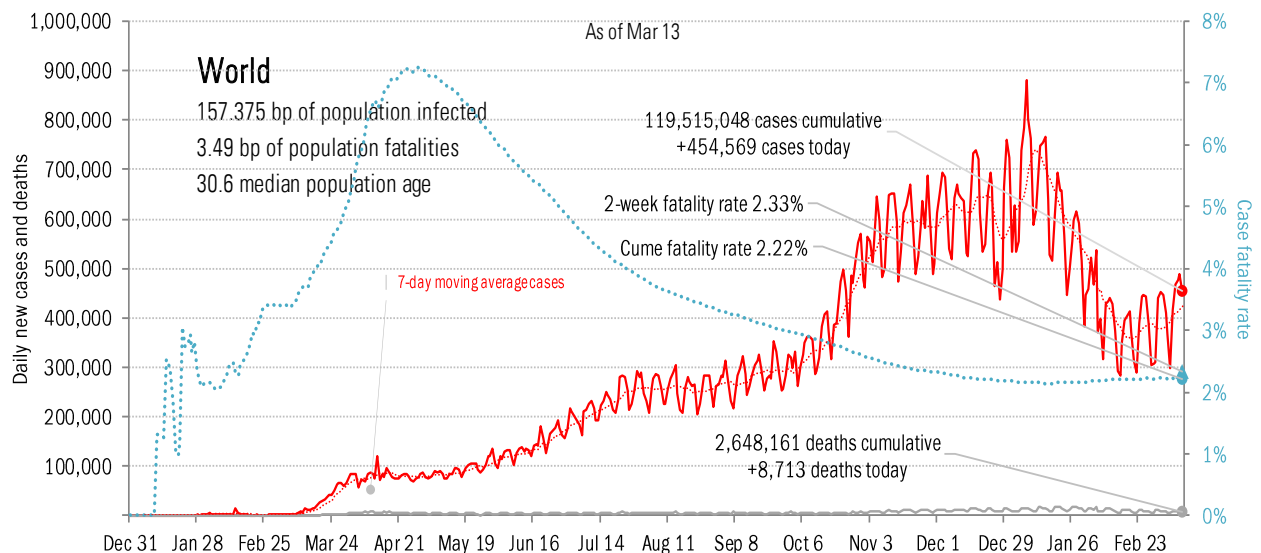
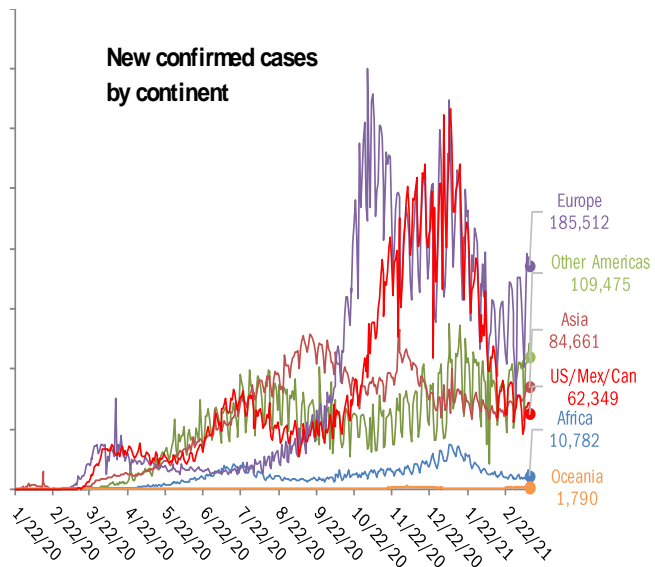
Sunday, March 14, 2021

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
Brazil	+76,178	Brazil	+1,997
United States	+53,215	United States	+1,725
France	+29,792	Mexico	+639
Italy	+26,031	Russia	+468
India	+25,320	Poland	+344
Poland	+21,063	Italy	+317
Czechia	+15,110	Ukraine	+250
Turkey	+15,082	Czechia	+218
Ukraine	+13,376	Peru	+180
Germany	+10,568	France	+169
	+285,735		+6,307
World	+454,569	World	+8,713
Top ten	63%	Top ten	72%

#### 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

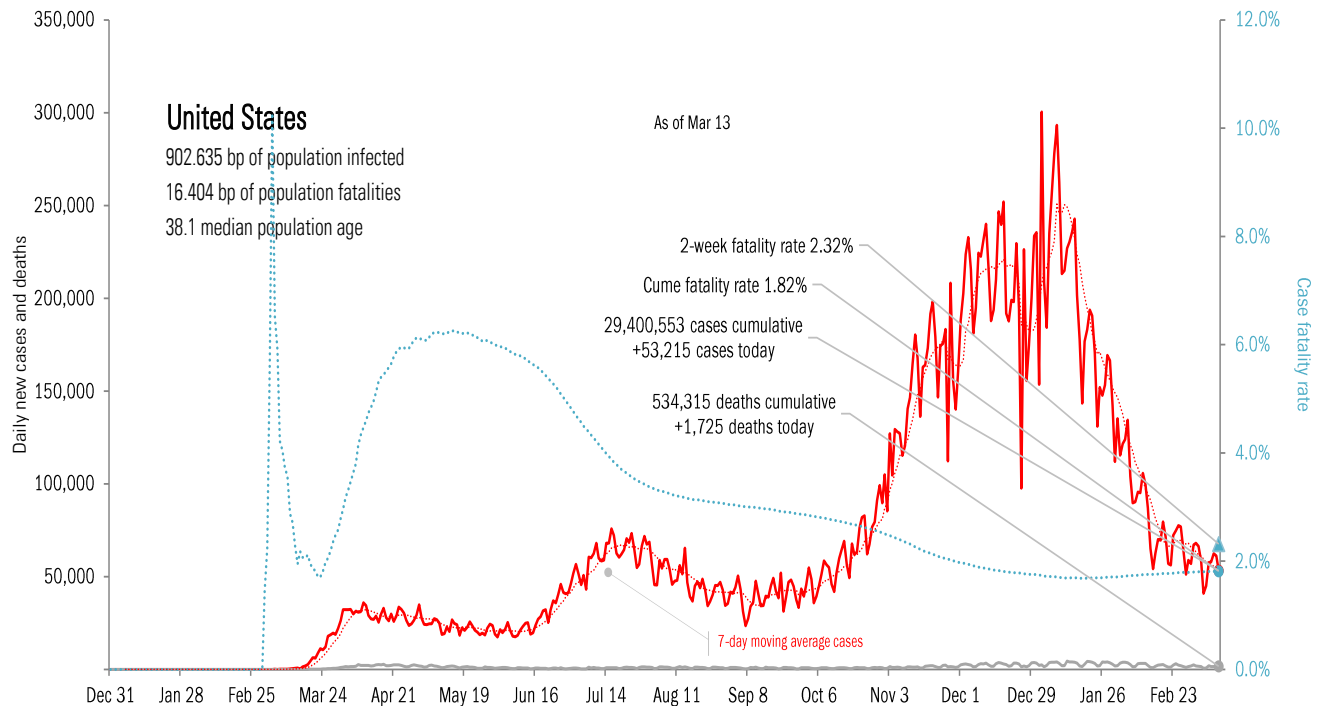
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NY	+10,251		CA	+909		GA	+78		CA	3,620,890		CA	56,426		TX	219,466		R	93%	GA	83%
FL	+5,244		TX	+137		NY	+61		TX	2,724,607		NY	48,850		CA	217,410		MA	81%	DE	82%
NJ	+3,866		NY	+93		CH	+49		FL	1,973,109		TX	46,366		FL	144,600		GA	80%	DC	82%
TX	+3,096		FL	+80		MD	+26		NY	1,734,676		FL	32,225		NY	105,962		MD	80%	AL	80%
PA	+2,391		GA	+52		PA	+26		IL	1,207,757		PA	24,510		GA	91,343		DC	80%	TX	80%
CA	+2,113		MI	+40		MN	+23		GA	1,032,967		NJ	23,888		CH	72,996		CT	79%	MO	79%
MI	+2,003		SC	+37		NJ	+19		CH	988,298		IL	23,189		PA	69,826		MO	78%	FL	79%
MA	+1,757		MA	+34		TN	+19		PA	966,538		GA	18,216		KY	66,137		FL	78%	RI	78%
IL	+1,673		NJ	+34		MI	+18		NC	882,715		CH	17,870		IL	65,862		SC	78%	MI	77%
SC	+1,669		AL	+28		VI	+11		NJ	834,547		MI	16,769		AZ	57,125		MI	78%	NC	76%
+34,063			+1,444			+330			15,966,104			308,309			1,110,727						
All states	+53,215		+1,725			+101			All states	29,400,553		534,315			1,975,822			All states	73%	70%	
Top ten	64%		84%			327%			Top ten	54%		58%			56%			Median	71%	69%	

Some states not reporting

## Five most improved US states

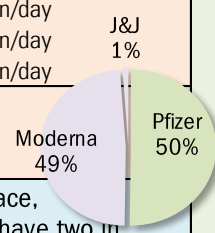
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-2,422	CH	-209	TX	-63	CT	+340 bp
CA	-1,812	WV	-165	IN	-30	IA	+152 bp
TN	-1,543	TX	-85	NM	-27	IL	+104 bp
CT	-1,185	PA	-36	KY	-21	PA	+102 bp
NC	-1,106	VA	-35	FL	-20	MS	+92 bp



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
142.63 million doses distributed	+2.51 million/day	United States 11.0%
110.57 million doses administered	+4.77 million/day	United Kingdom 2.3%
71.71 million persons partially immunized	+2.99 million/day	France 3.3%
38.61 million persons fully immunized	+2.04 million/day	Spain 3.4%
7.54 million shots long-term care residents/staff	+0.04 million/day	Germany 3.3%
		Italy 3.3%
<b>77.5% of distributed doses administered</b>		Australia 0.9%
<b>27.2% of US pop partial</b>	<b>14.6% full immunity</b>	Israel 47.7%
<b>100% of LTC partial</b>	<b>60.8% full immunity</b>	Canada 1.6%
		Japan 0.0%
		China 9.3%
		India 0.4%
		Brazil 1.3%



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

**114 days**  
by Jul 5, 2021

US will achieve herd immunity in  
**47 days**  
by Apr 29, 2021

State	
Doses distributed as % population	Best
Partial immunity as % population	Middle
Full immunity as % population	Worst

AK
64.6%
27.0%
17.3%

Global data differs due to sources

ME
43.4%
23.9%
12.9%

WI
38.4%
22.7%
12.7%

VT
46.9%
23.9%
12.5%

NH
41.6%
24.1%
11.1%

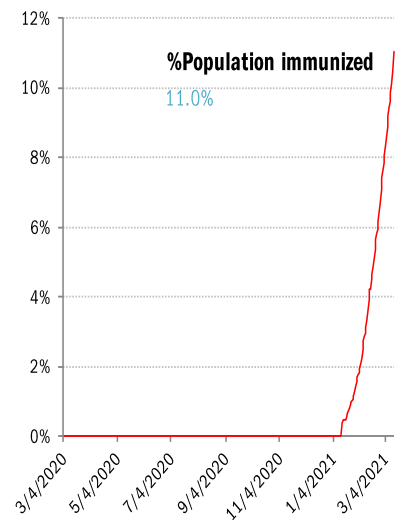
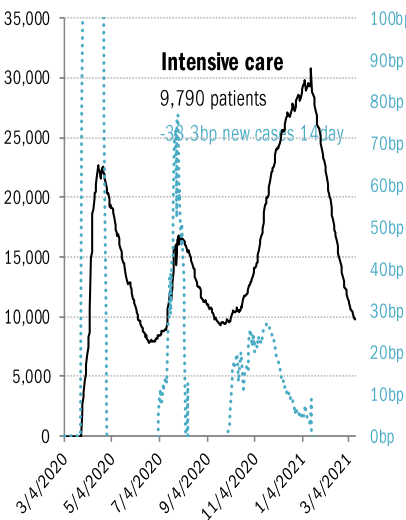
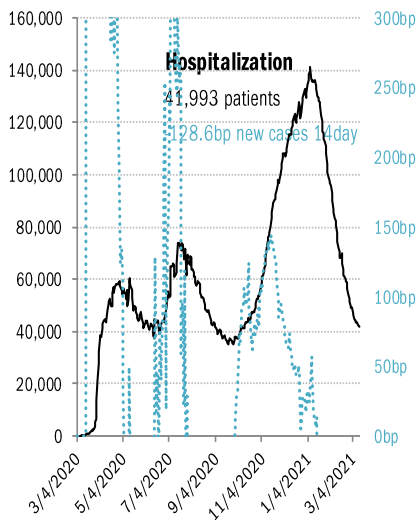
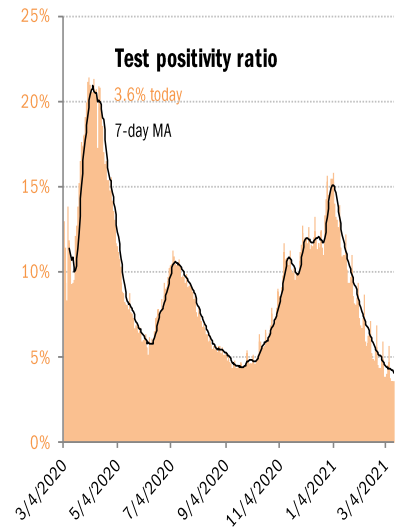
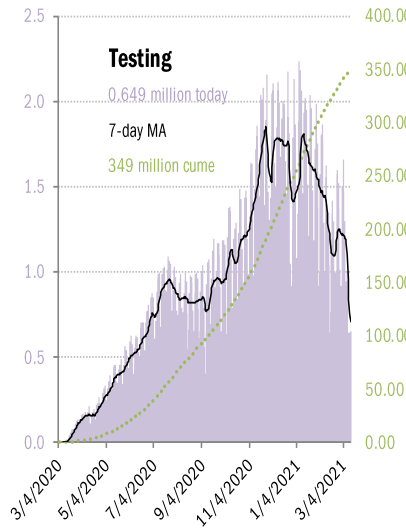
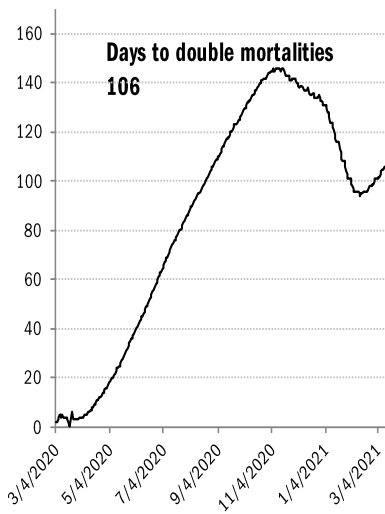
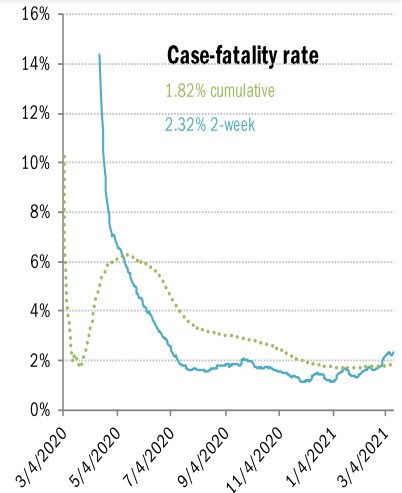
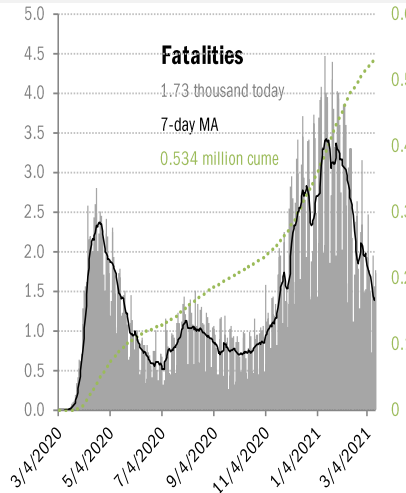
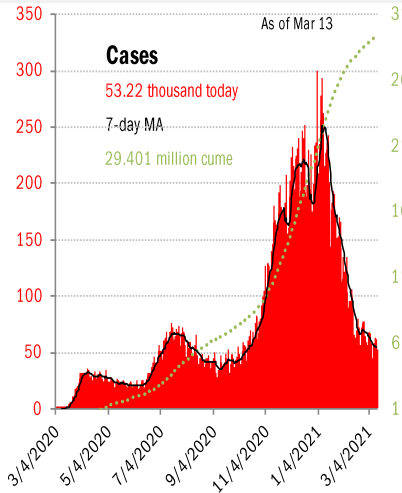
<b>WA</b> 41.1% 21.0% 11.8%	<b>ID</b> 37.6% 18.6% 11.2%	<b>MT</b> 45.0% 22.8% 13.4%	<b>ND</b> 45.2% 25.2% 14.0%	<b>MN</b> 40.1% 23.6% 12.7%	<b>IL</b> 40.8% 21.7% 11.5%	<b>MI</b> 39.3% 20.0% 11.2%	<b>NY</b> 42.3% 21.7% 10.5%	<b>MA</b> 41.9% 24.9% 12.7%		
<b>OR</b> 38.9% 20.1% 11.5%	<b>NV</b> 38.0% 19.6% 11.0%	<b>WY</b> 46.7% 21.7% 13.5%	<b>SD</b> 51.7% 26.3% 14.7%	<b>IA</b> 40.8% 23.3% 12.9%	<b>IN</b> 37.7% 19.3% 12.4%	<b>OH</b> 40.6% 19.8% 11.5%	<b>PA</b> 42.5% 21.5% 10.5%	<b>NJ</b> 40.3% 23.5% 12.0%	<b>CT</b> 46.5% 26.2% 13.9%	<b>RI</b> 43.7% 24.9% 10.2%
<b>CA</b> 41.4% 20.3% 9.7%	<b>UT</b> 35.7% 18.3% 8.1%	<b>CO</b> 40.7% 20.8% 12.1%	<b>NE</b> 43.1% 22.2% 12.8%	<b>MO</b> 39.4% 19.3% 10.3%	<b>KY</b> 40.2% 22.8% 11.6%	<b>WV</b> 46.0% 23.1% 14.4%	<b>VA</b> 38.6% 21.4% 12.3%	<b>MD</b> 40.2% 21.4% 12.0%	<b>DE</b> 43.3% 20.2% 11.9%	
<b>AZ</b> 41.6% 21.5% 11.8%	<b>NM</b> 49.4% 28.2% 16.0%	<b>KS</b> 43.2% 20.1% 10.5%	<b>AR</b> 41.5% 19.2% 10.3%	<b>TN</b> 39.8% 17.6% 9.4%	<b>NC</b> 40.7% 20.8% 11.5%	<b>SC</b> 37.6% 19.8% 11.2%	<b>DC</b> 55.1% 16.4% 8.5%			
	<b>OK</b> 50.1% 23.3% 12.7%	<b>LA</b> 40.7% 19.9% 11.6%	<b>MS</b> 41.6% 19.8% 11.0%	<b>AL</b> 39.1% 17.2% 10.0%	<b>GA</b> 37.5% 15.1% 9.5%					
<b>HI</b> 48.1% 22.8% 14.1%		<b>TX</b> 37.8% 18.3% 9.6%				<b>FL</b> 42.6% 20.1% 11.2%	<b>PR</b> 45.1% 14.8% 8.8%			

As of Mar 13

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

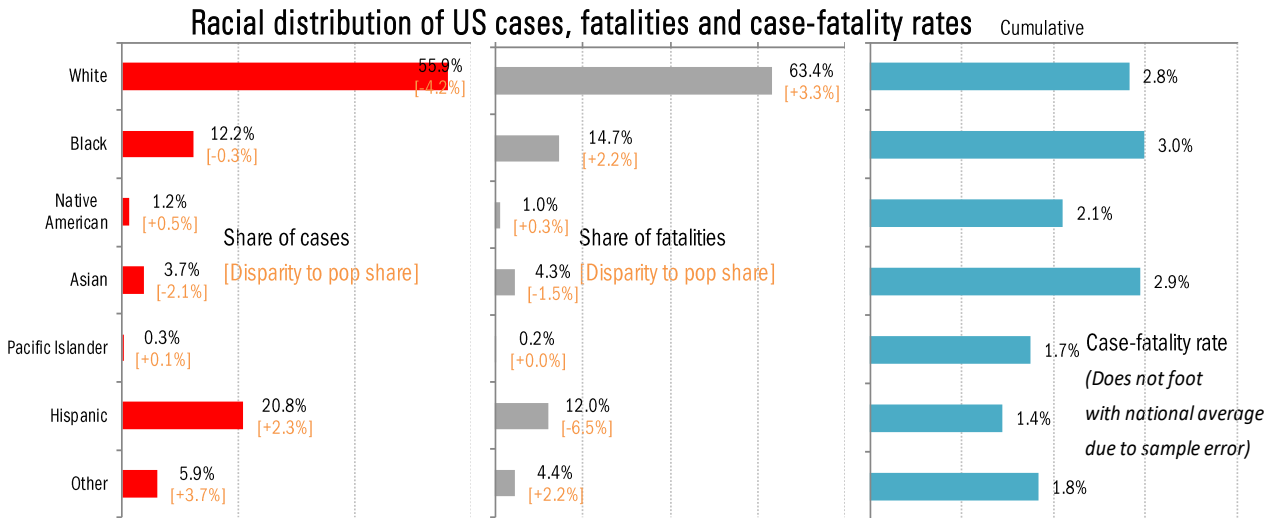
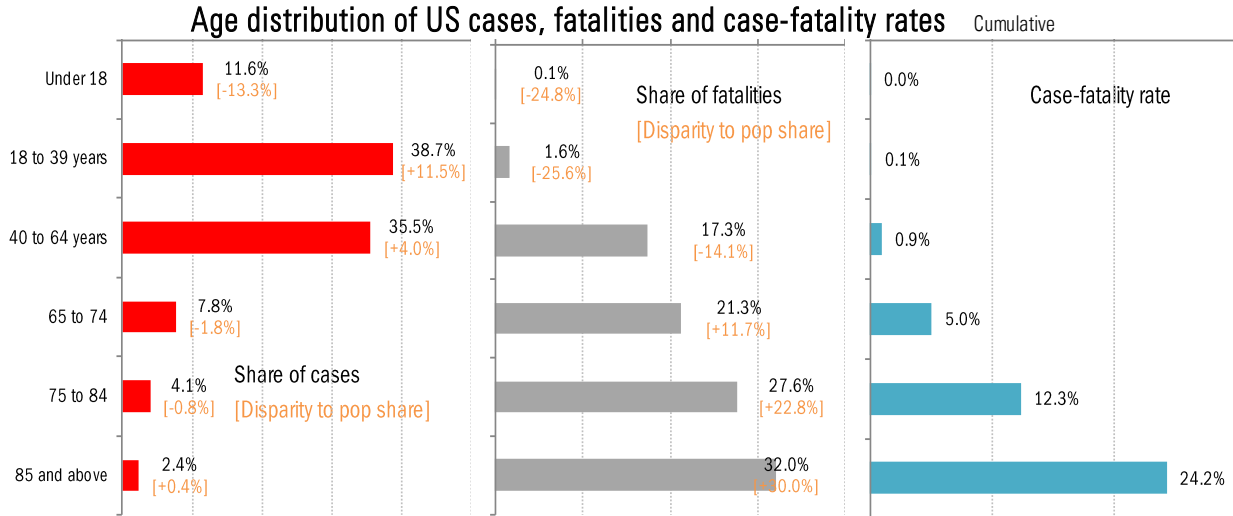
# US deep-dive

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



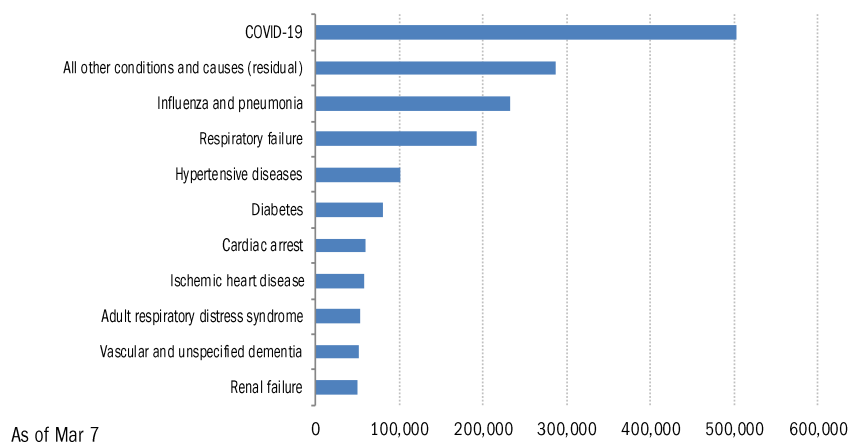
Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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



## 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

### [Virus Variant in Brazil Infected Many Who Had Already Recovered From Covid-19](#)

Carl Zimmer  
*New York Times*  
March 3, 2021

### [How the COVID-19 pandemic has scarred the world's children](#)

UNICEF  
March 10, 2021

### [What have we learned over the past year since the world stopped because of COVID?](#)

John Feehery  
*The Hill*  
March 9, 2021

### [Cuomo Says He Won't Bow to 'Cancel Culture' and Rejects Calls to Resign](#)

Luis Ferré-Sadurní and Jesse McKinley  
*New York Times*  
March 12, 2021

### [Biden Takes First Tentative Steps to Address Global Vaccine Shortage](#)

Sheryl Gay Stolberg and Michael Crowley  
*New York Times*  
March 12, 2021

### [How Israel Became the World Vaccine Leader](#)

Tunku Varadarajan  
*Wall Street Journal*  
March 12, 2021

### [Cancelled: China and foreign publishers](#)

*The Economist*  
March 13, 2021

## Meme of day

Politics

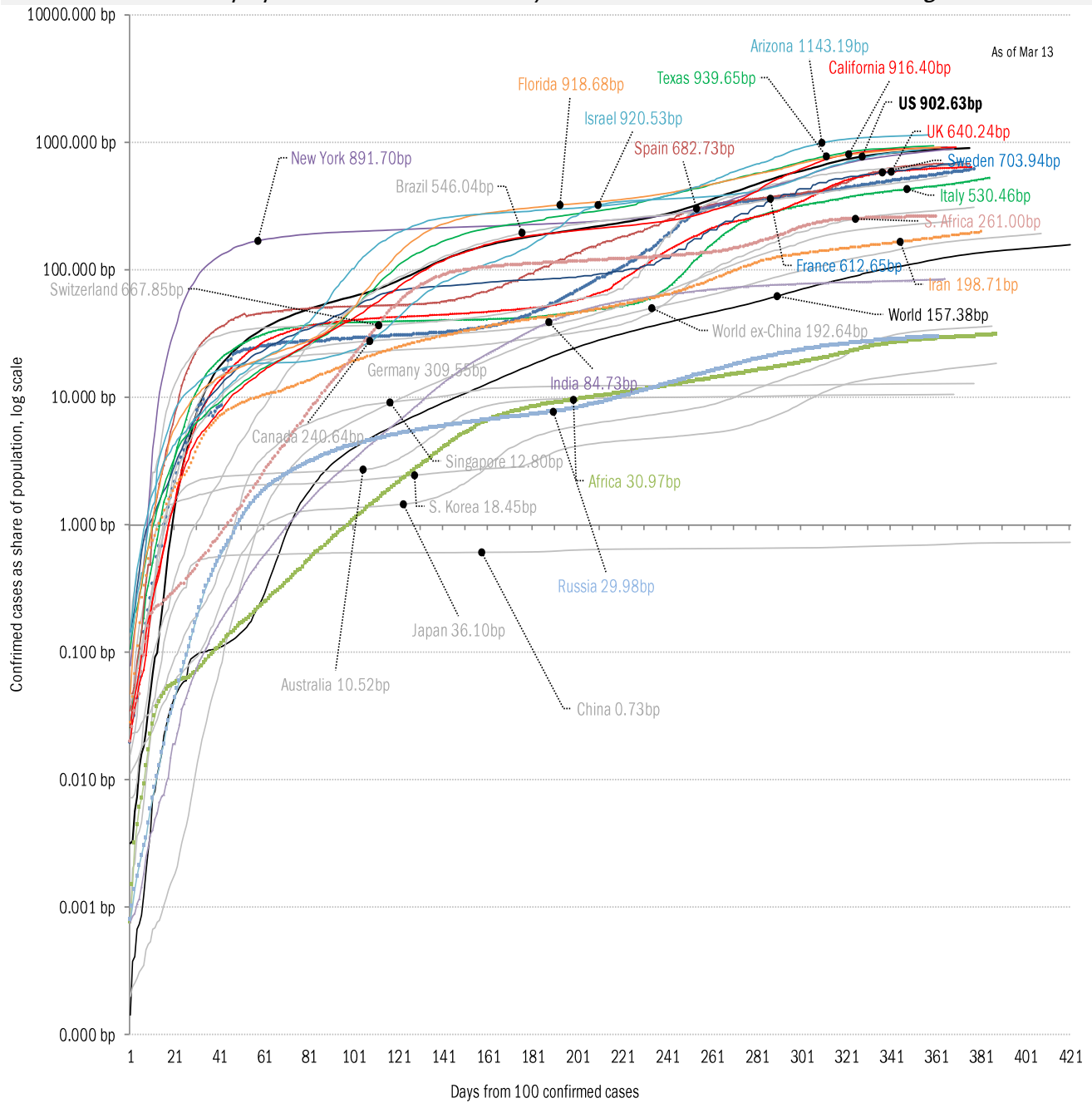
### Cuomo Invites All Accusers To Come Forward And Gather In New York Nursing Home

March 12th, 2021



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

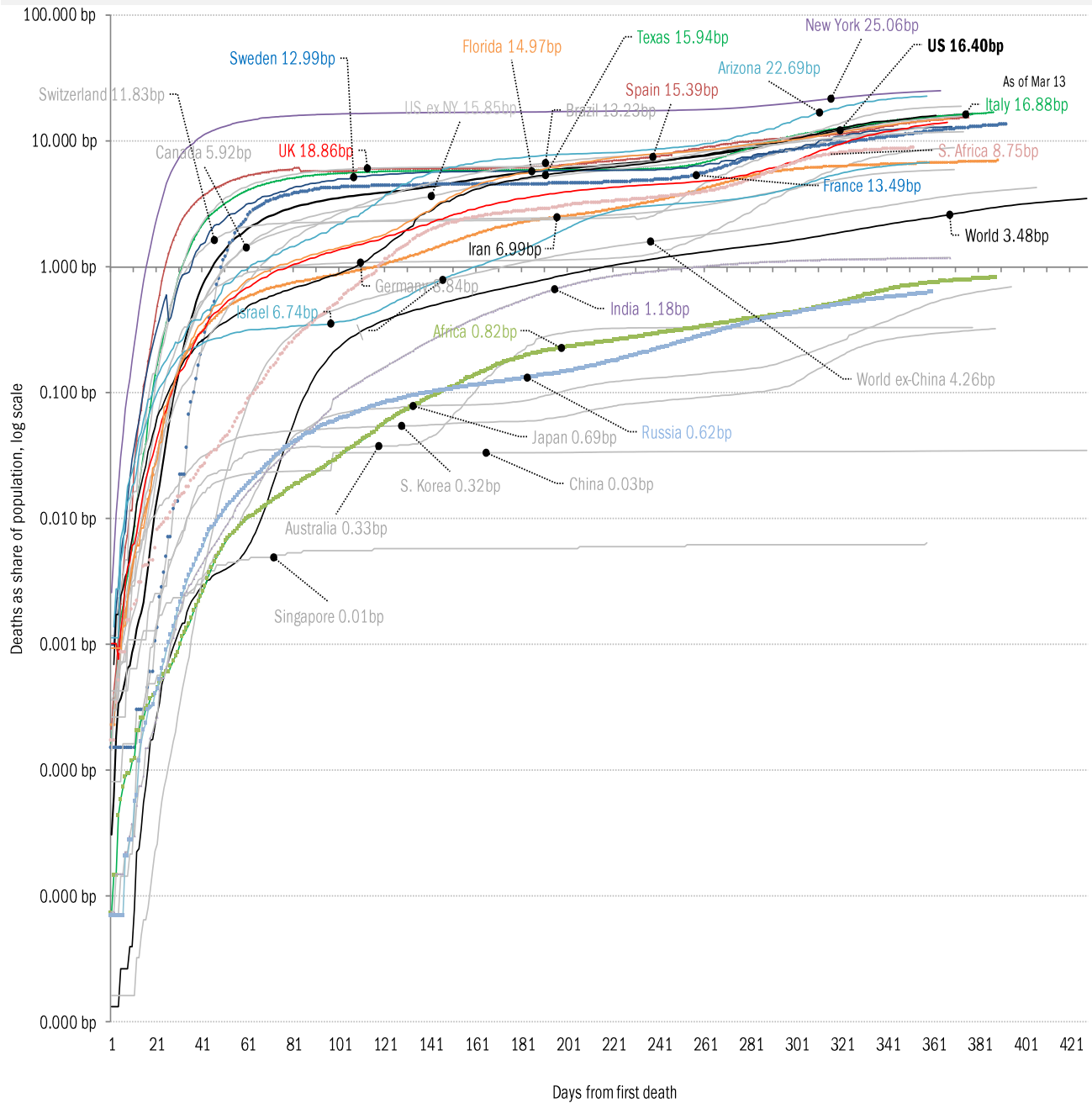
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

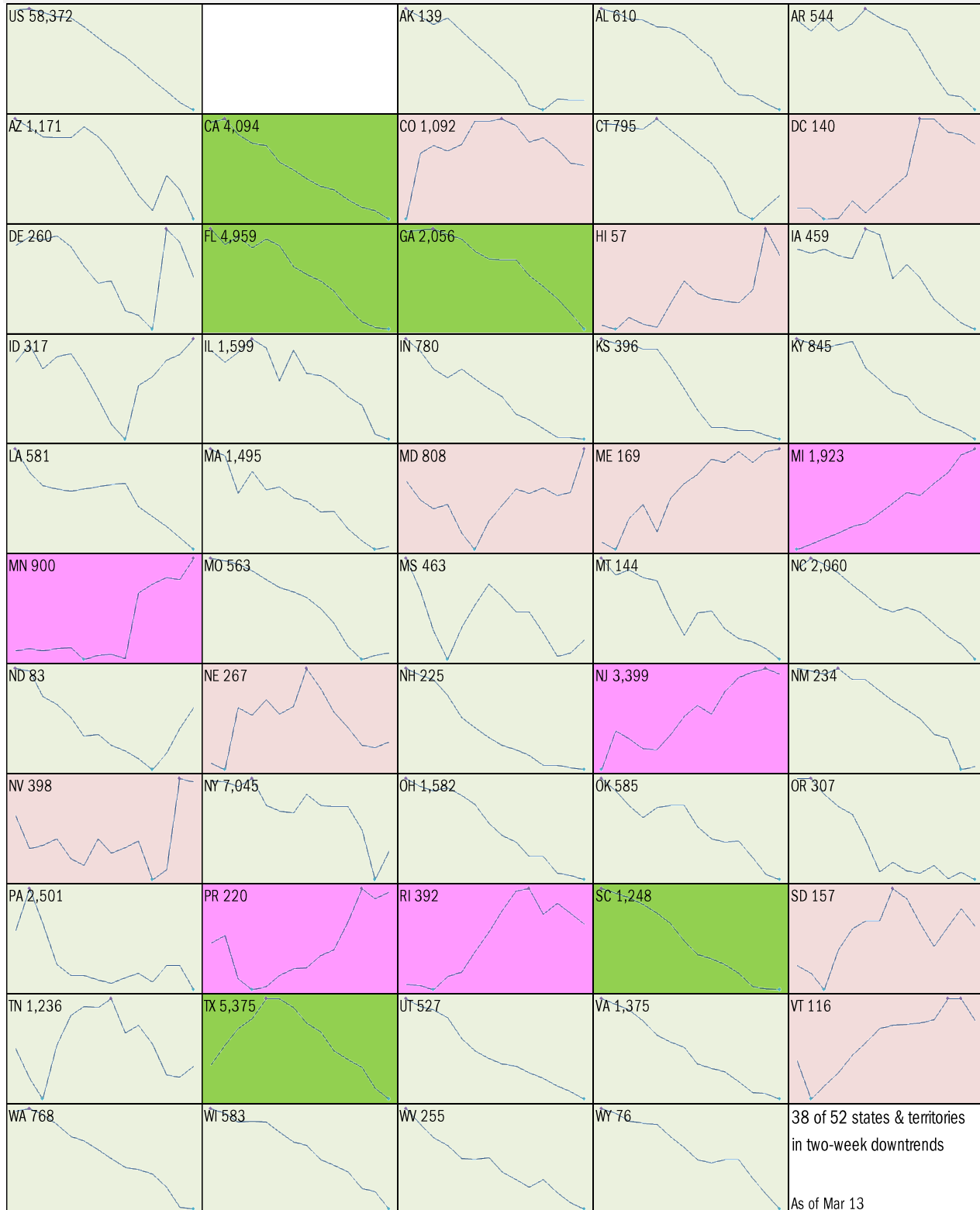
Vertical: days to double deaths Horizontal: days from first death

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

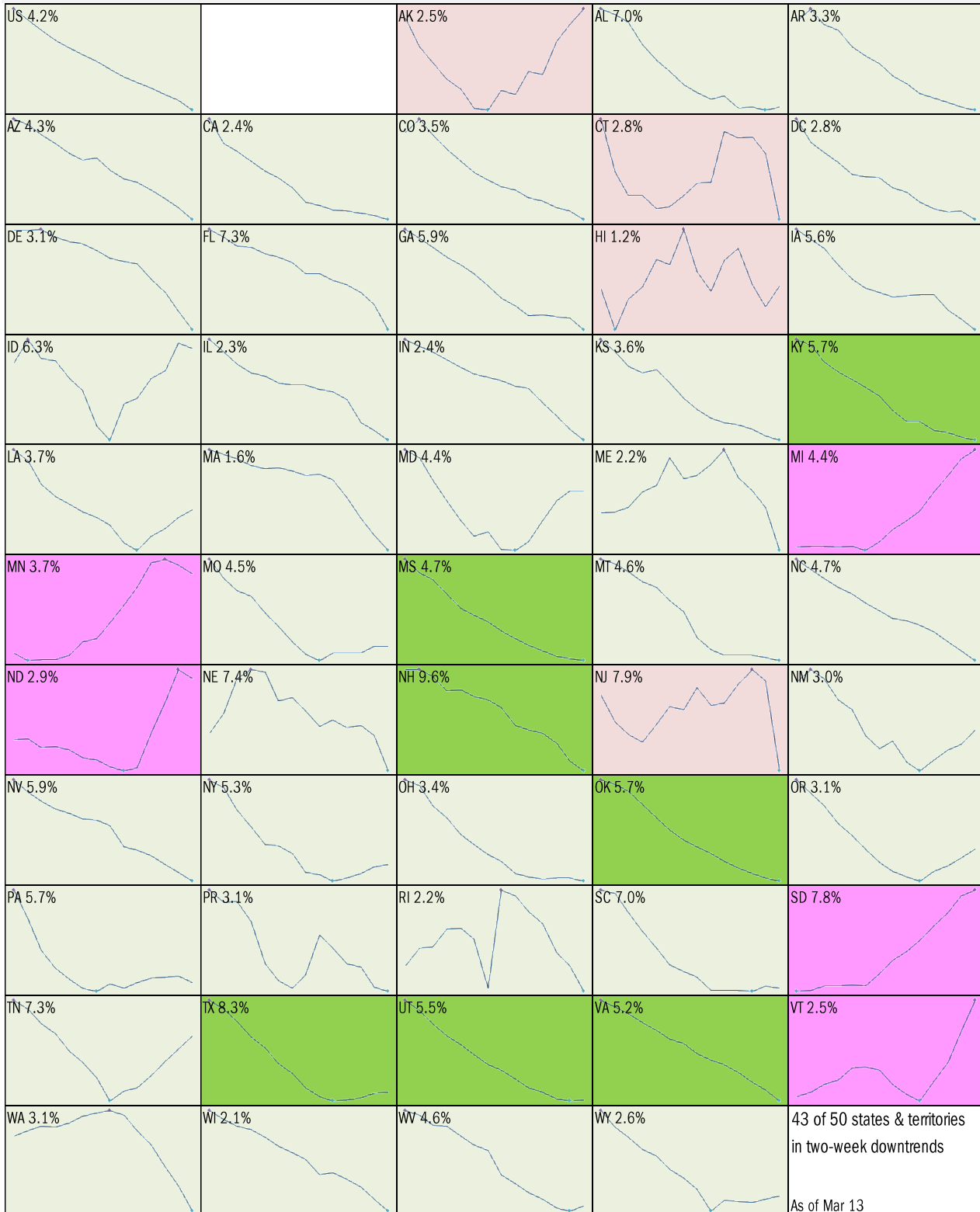


Source: [Johns Hopkins](#), TrendMacro calculations

Alt requirement to [Open Up America Again](#): 14-day “downward trajectory” in pos tests

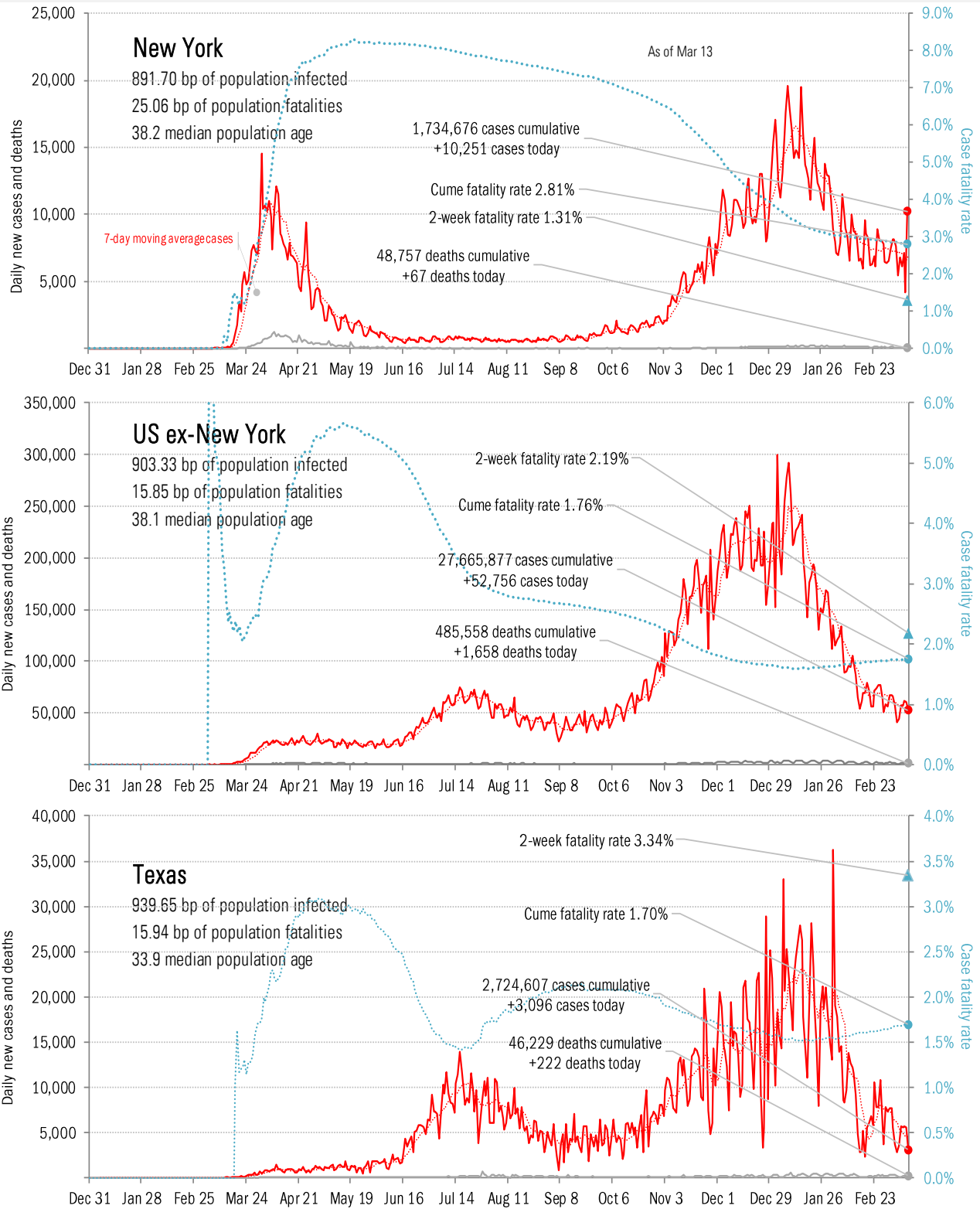
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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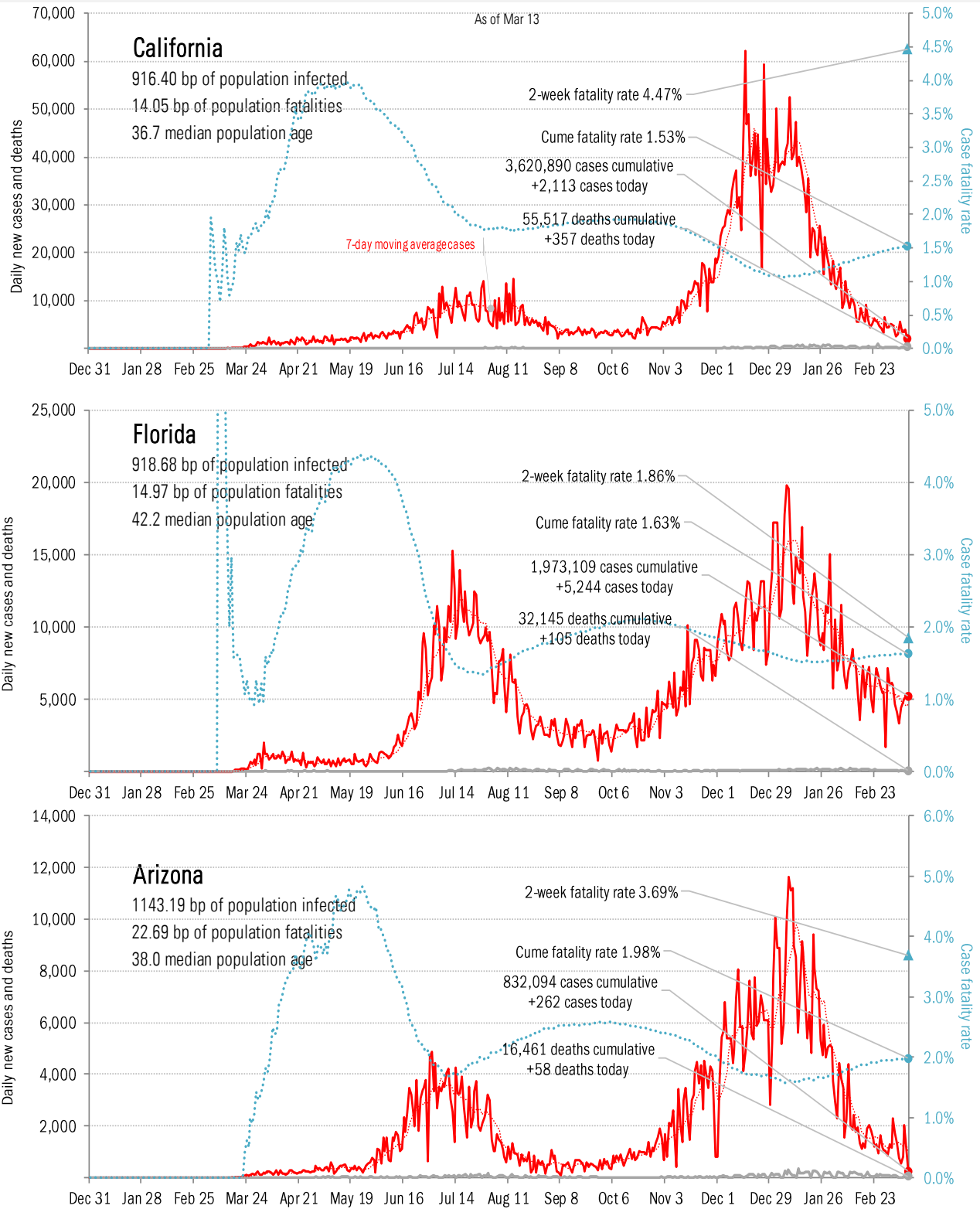
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



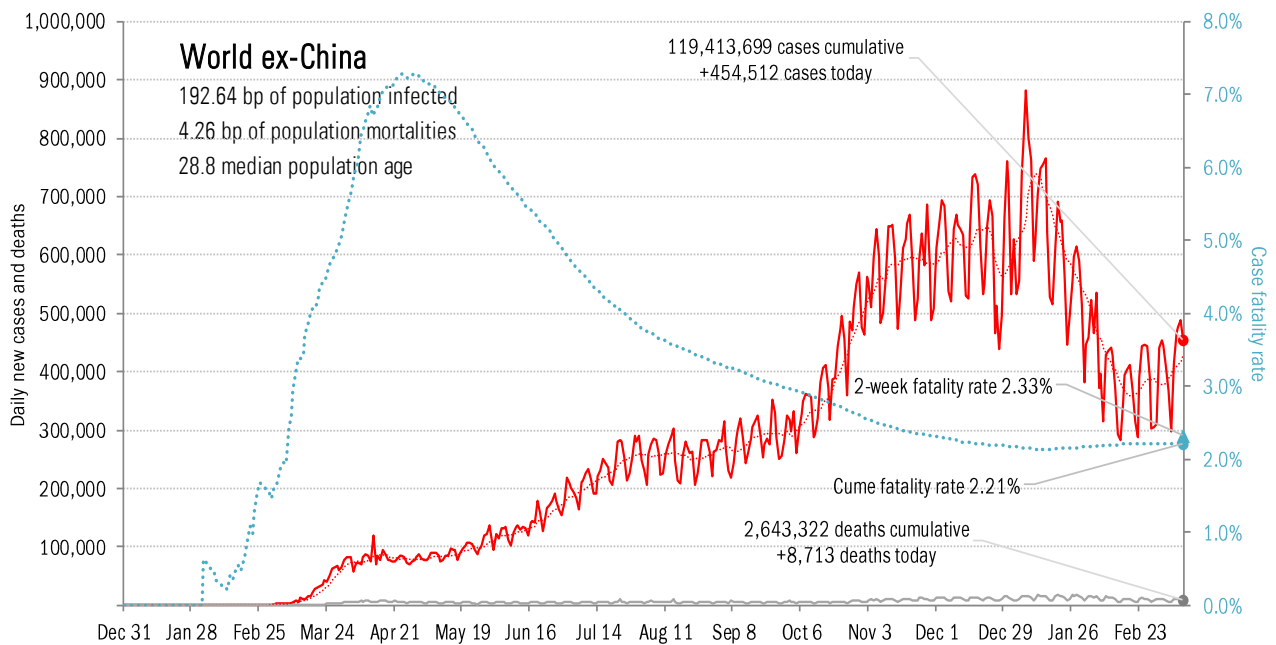
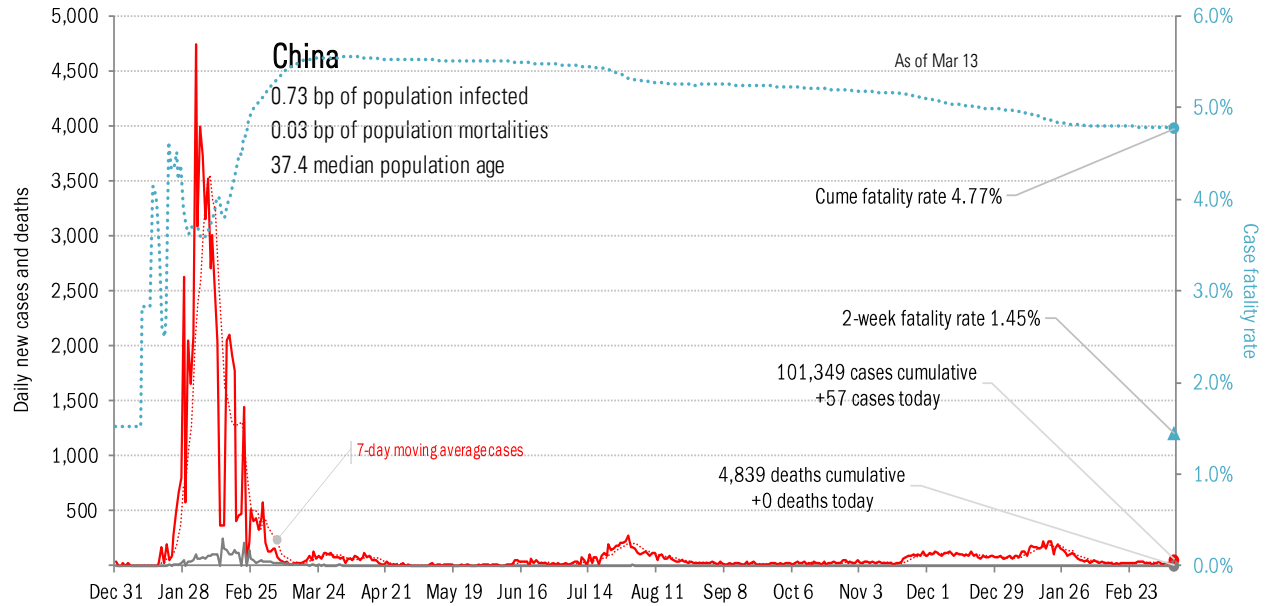
Source: [Johns Hopkins](#), TrendMacro calculations

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



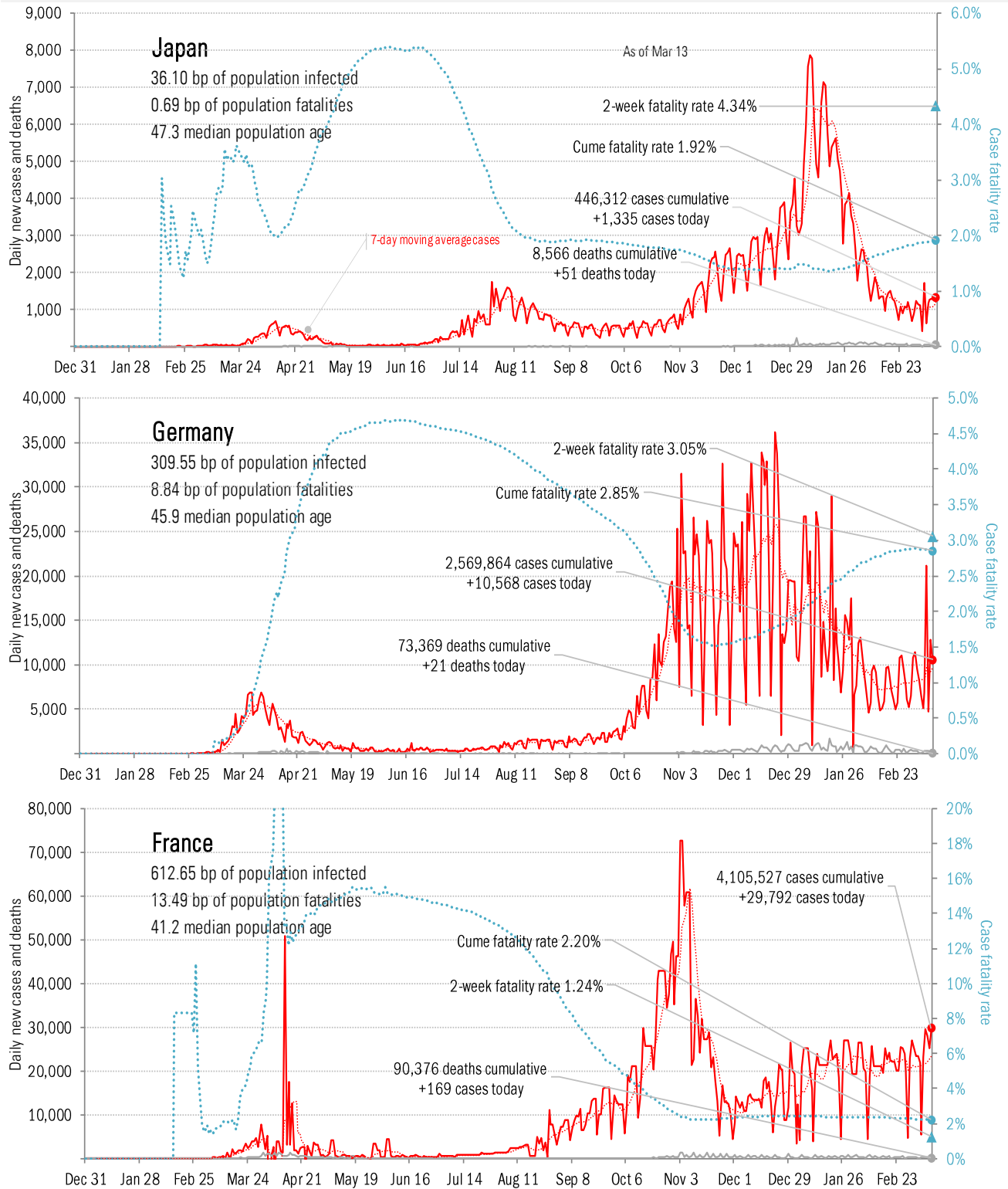
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



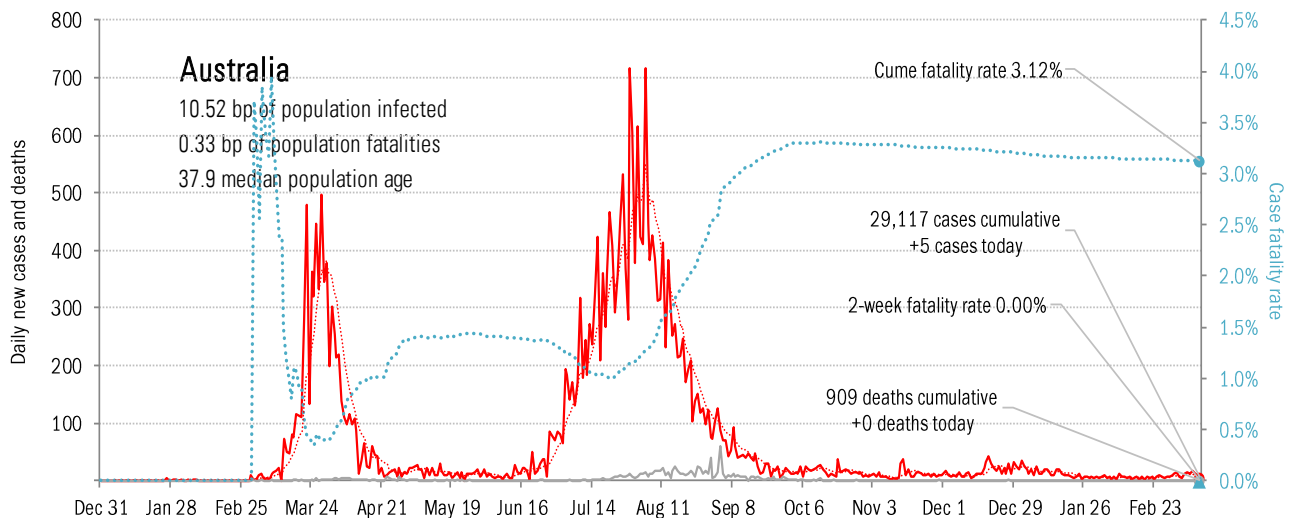
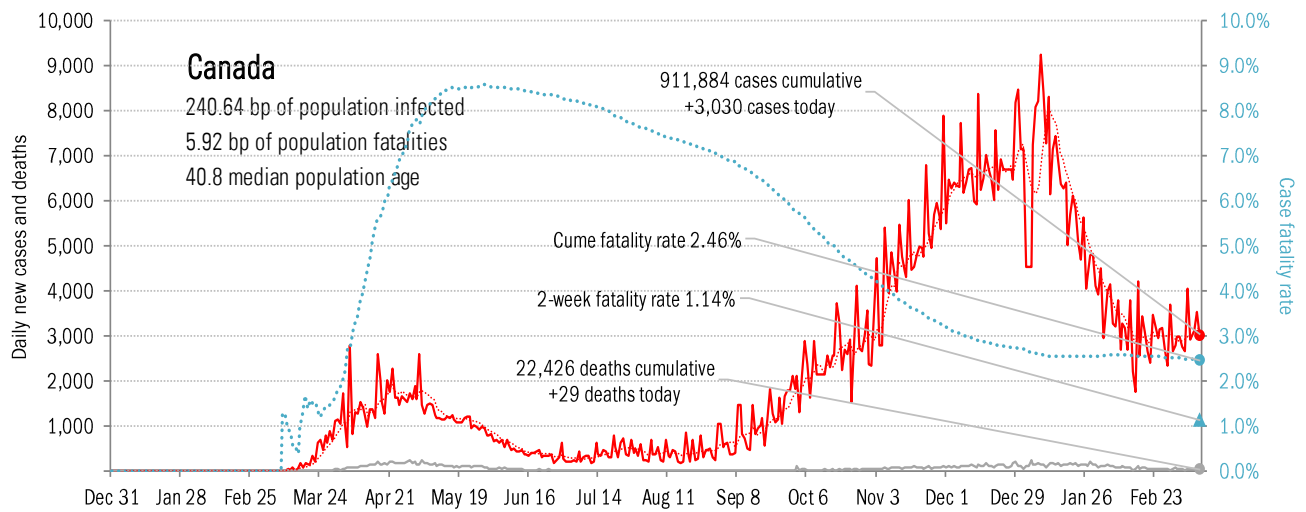
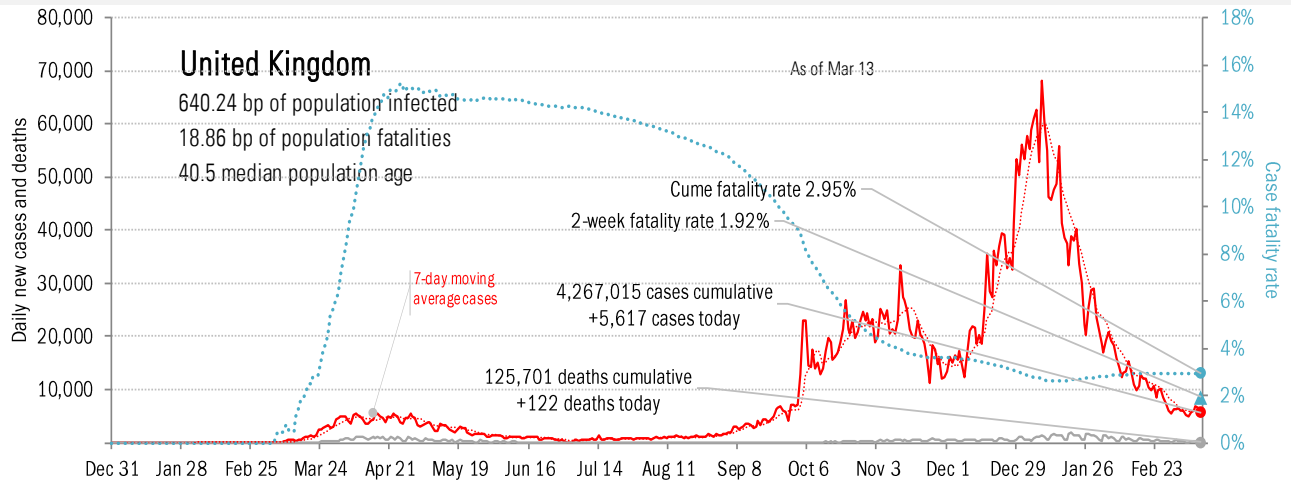
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



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

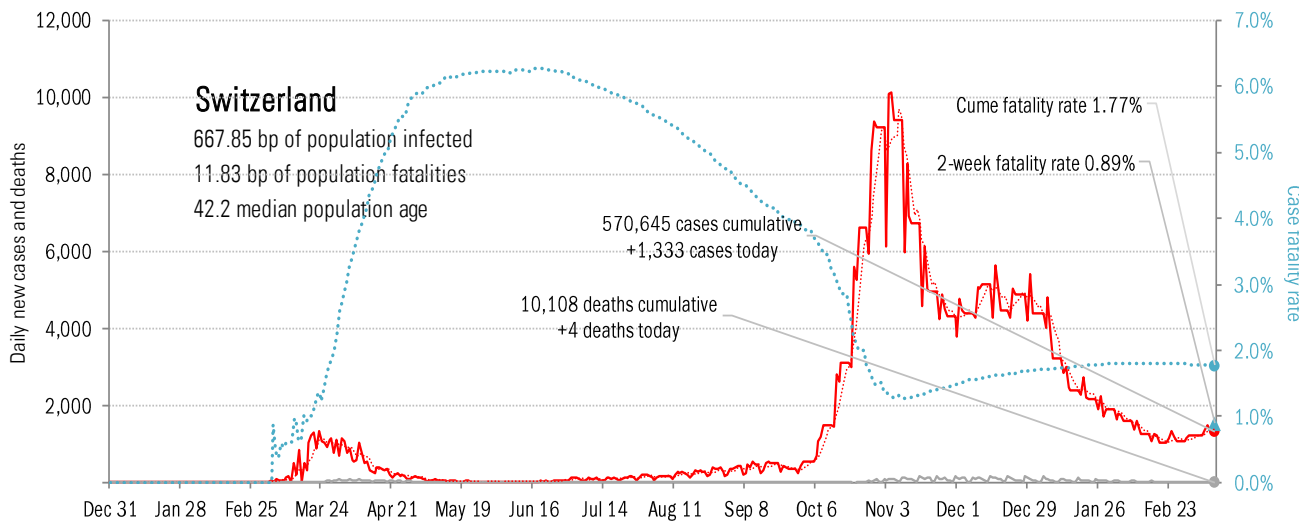
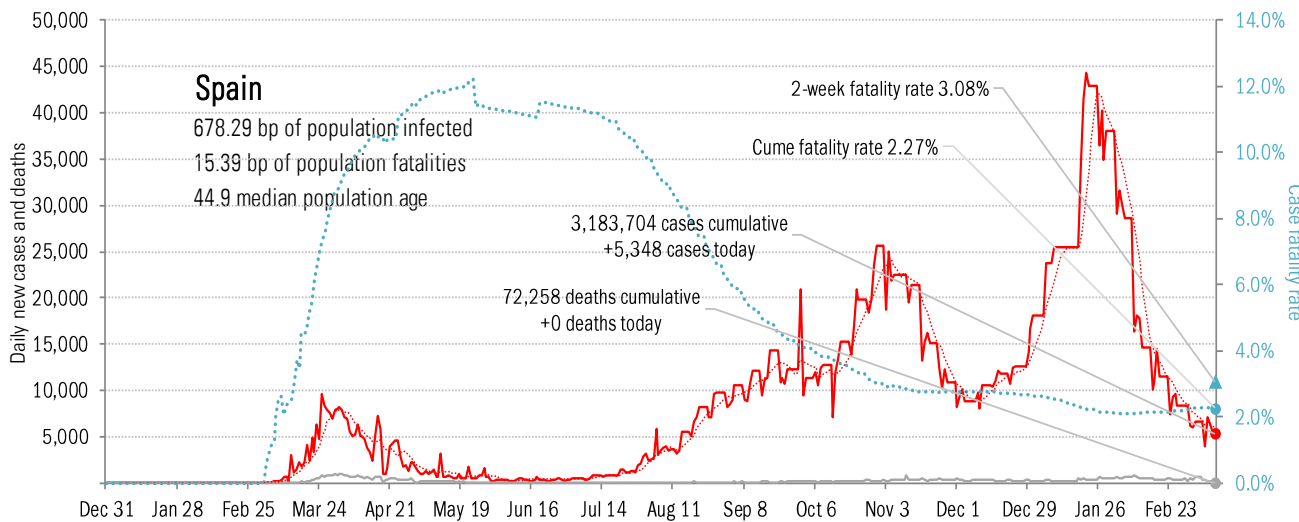
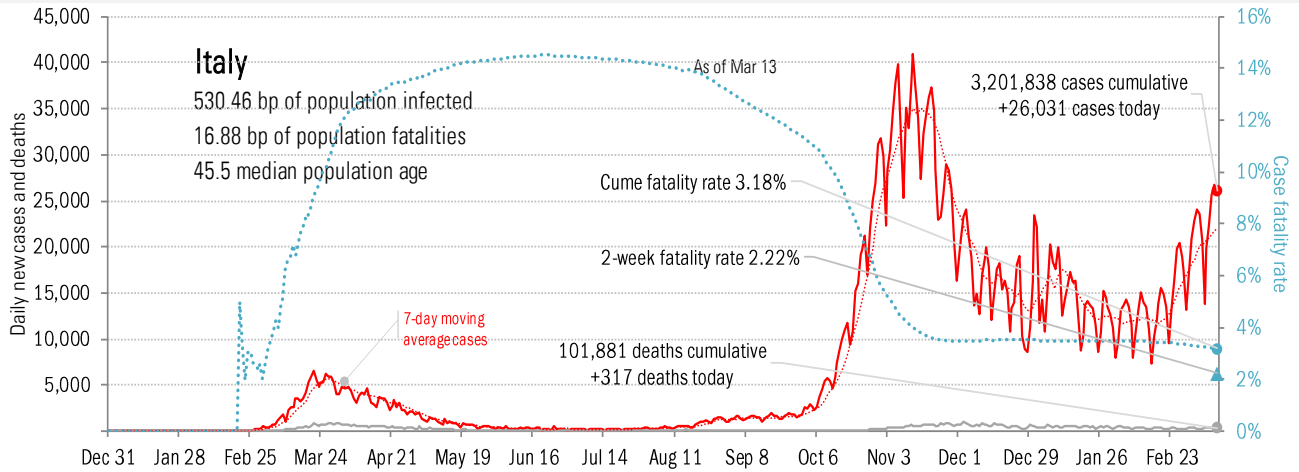
# Impact in The Anglosphere



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

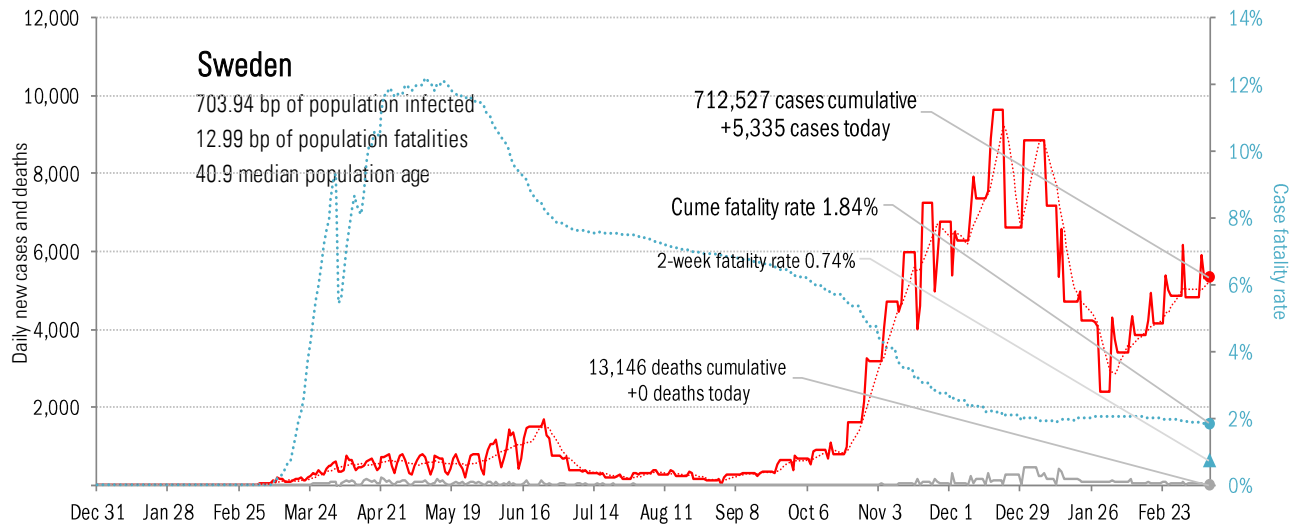
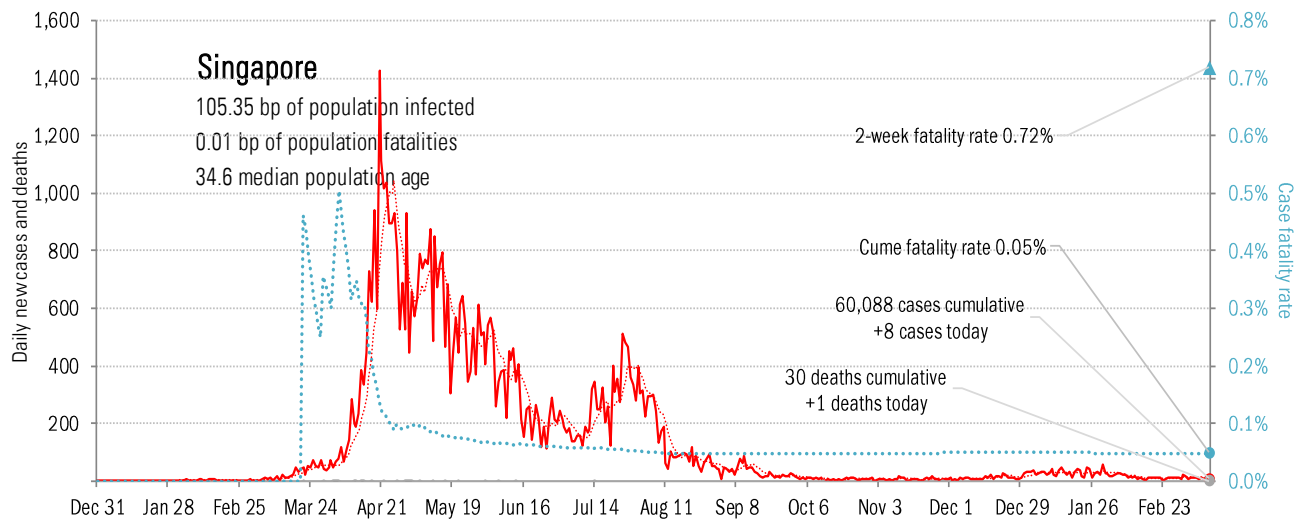
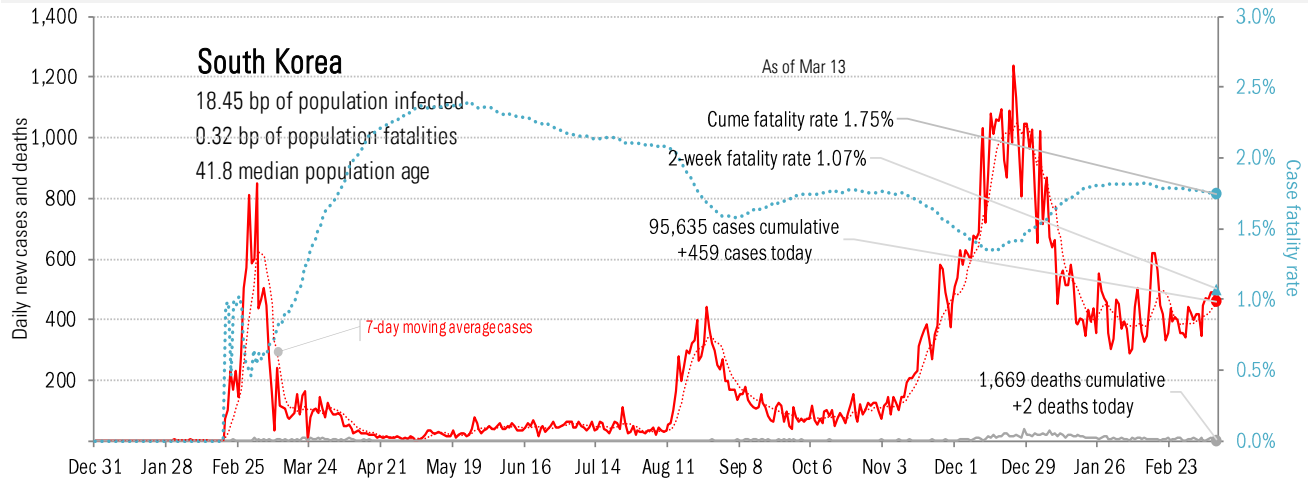


# Impact in continental Europe



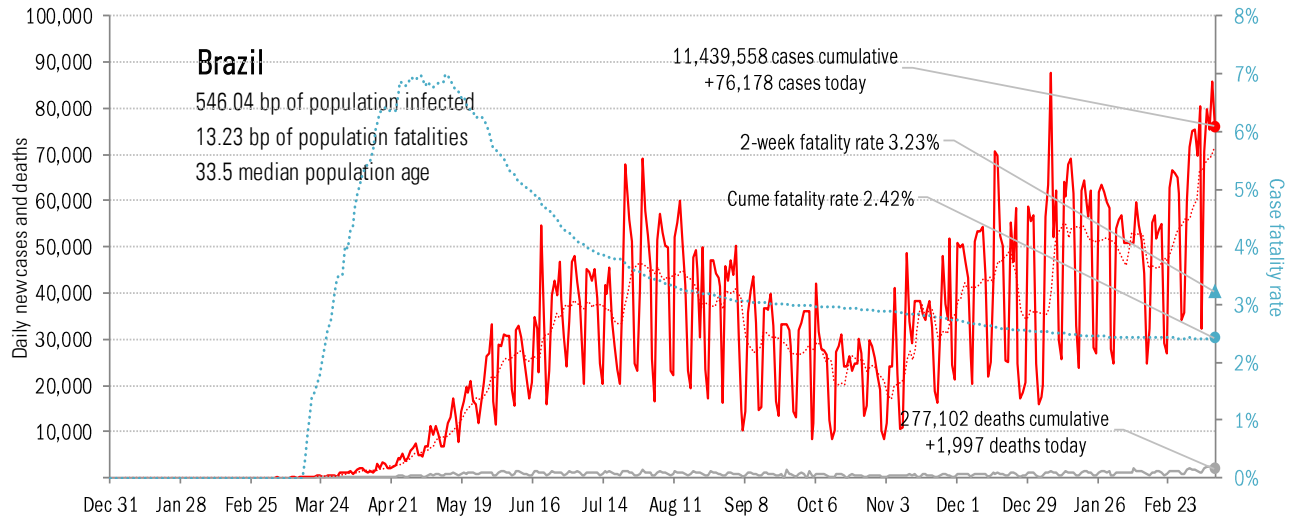
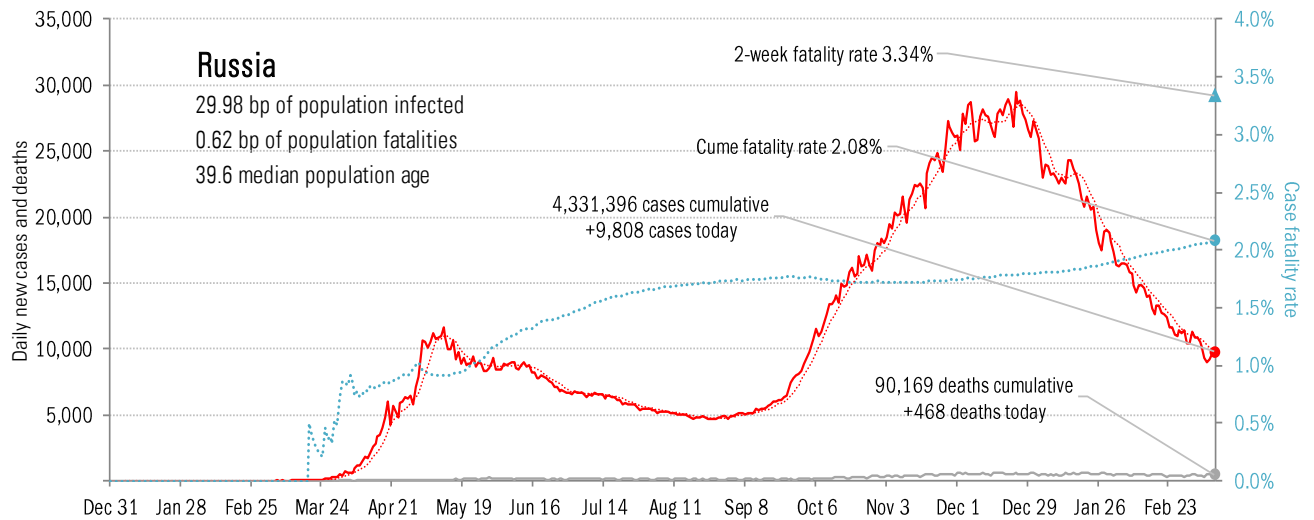
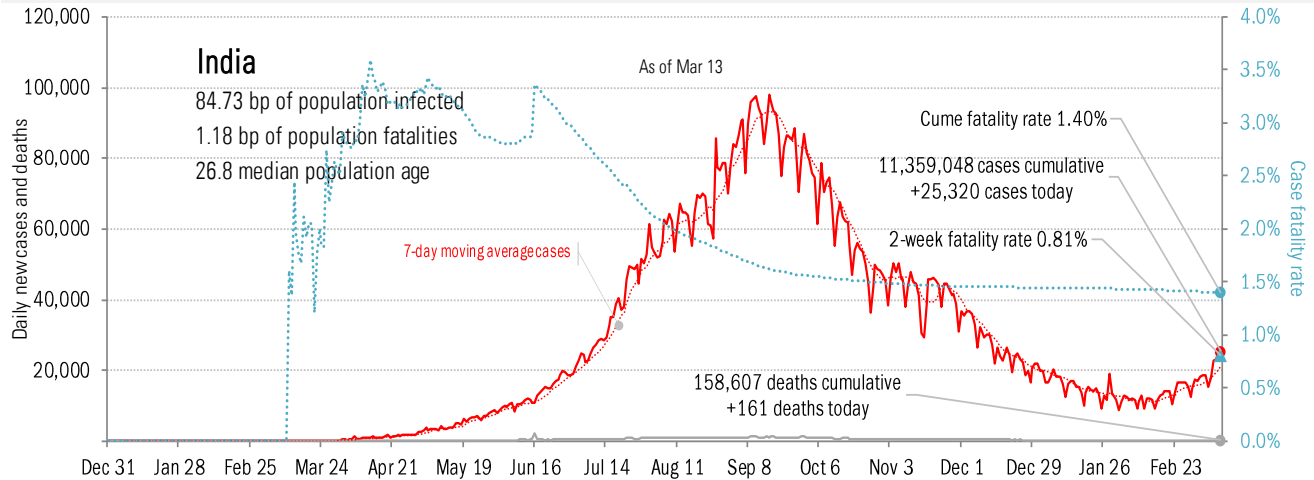
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



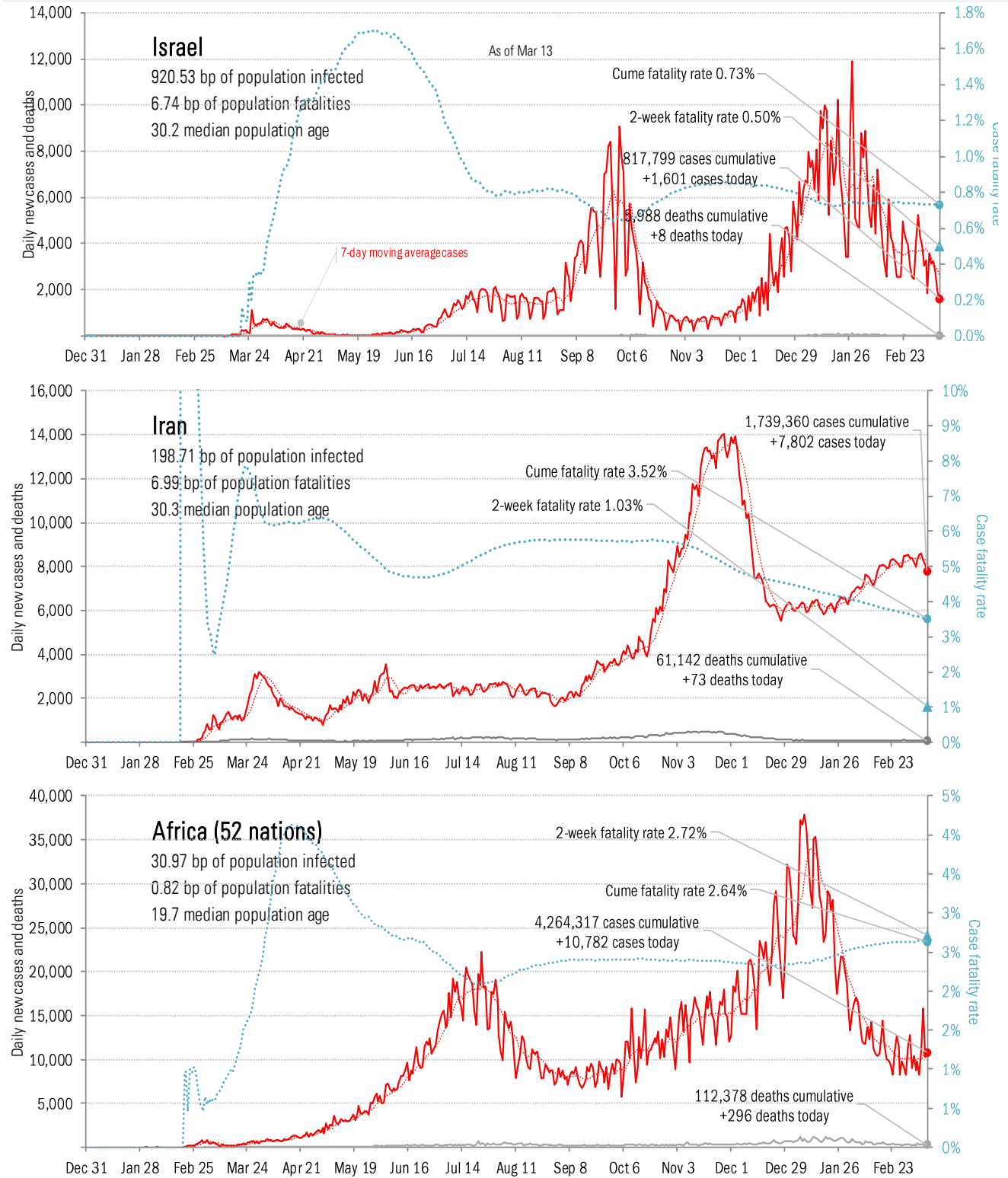
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



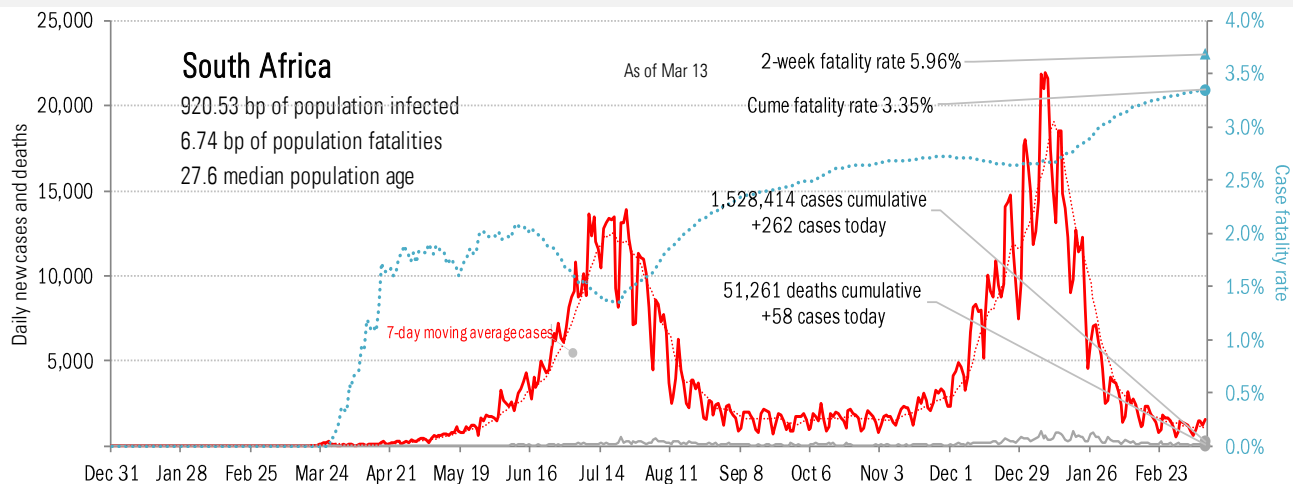
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

# Impact in Africa, continued



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