

Data Insights: Covid-2019 Monitor

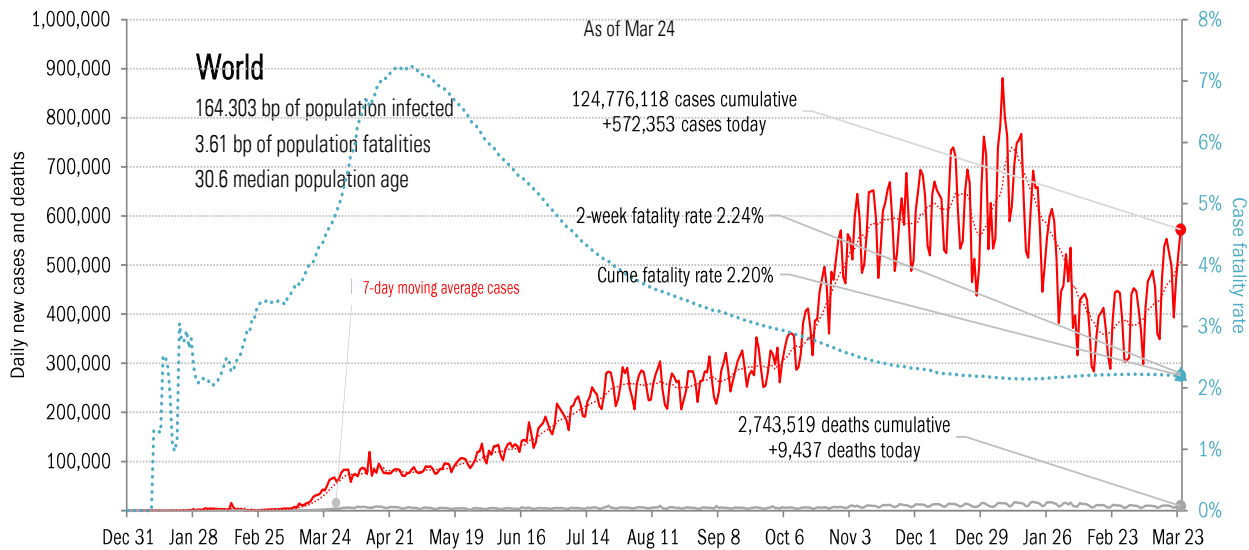
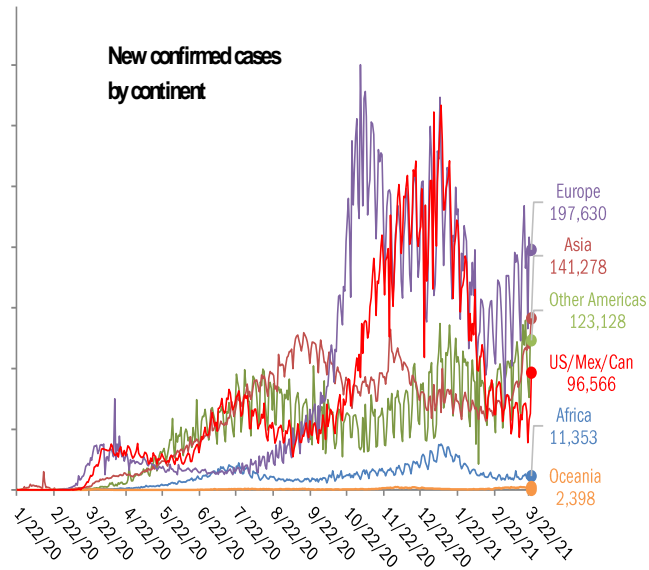
Thursday, March 25, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+89,992	Brazil	+2,009
United States	+86,903	United States	+1,454
India	+53,476	Mexico	+579
Poland	+30,802	Poland	+579
Turkey	+29,762	Italy	+460
Germany	+23,757	Russia	+393
Italy	+21,246	Ukraine	+350
Ukraine	+14,266	India	+251
Czechia	+10,972	Hungary	+249
Jordan	+9,130	Germany	+229
+370,306		+6,553	
World	+572,353	World	+9,437
Topten	65%	Topten	69%

New confirmed cases by continent



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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The US scorecard

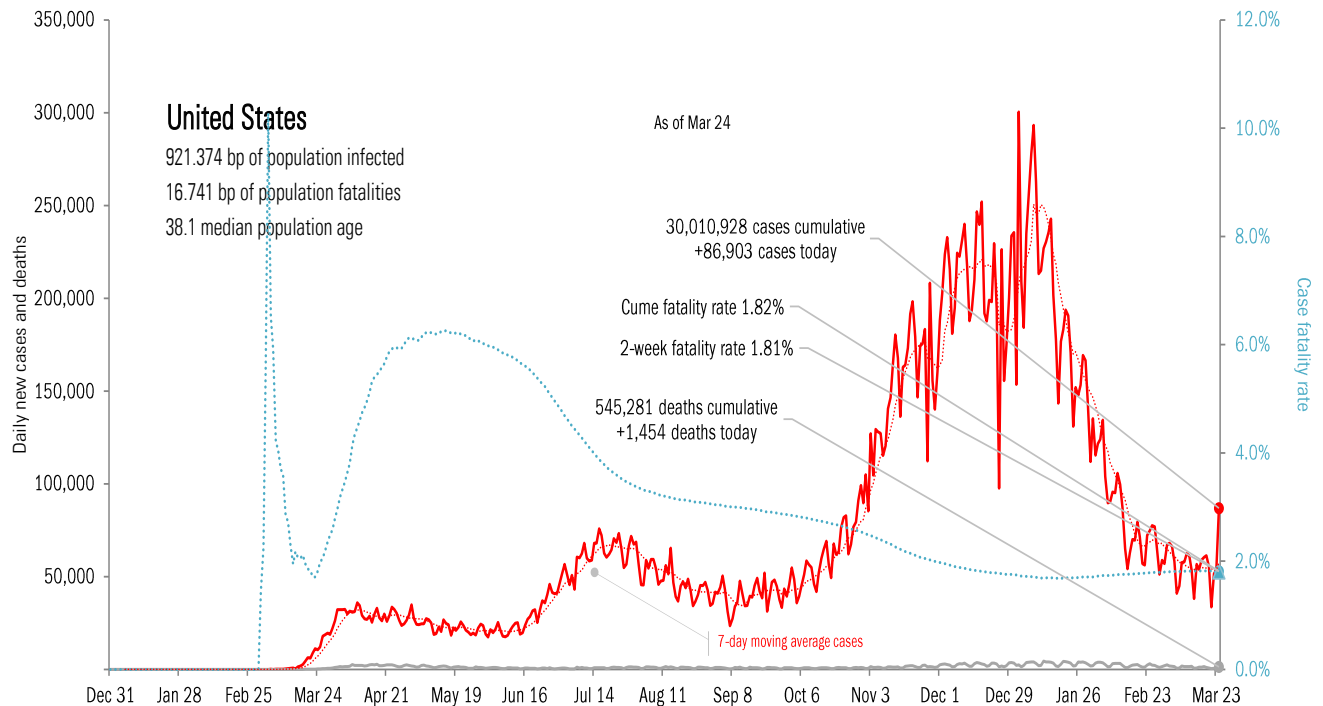
The ten worst US states

New cases			New Deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
NY	+27,644		NY	+255		MI	+97		CA	3,649,727		CA	57,975		TX	222,778		R	94%	NY	19%
MI	+5,172		CA	+177		PA	+59		TX	2,766,259		NY	49,717		CA	219,763		ID	83%	MD	18%
FL	+5,143		TX	+162		FL	+52		FL	2,021,656		TX	47,689		FL	147,730		MA	82%	DC	16%
PA	+4,617		GA	+72		GA	+51		NY	1,816,518		FL	32,850		NY	109,577		MD	80%	TX	15%
NJ	+4,096		OK	+62		NY	+32		IL	1,227,613		PA	24,857		GA	92,807		PA	80%	GA	14%
TX	+3,989		MA	+55		OH	+26		GA	1,049,397		NJ	24,292		CH	73,979		CT	79%	MS	14%
IL	+2,809		NJ	+50		MN	+25		OH	1,004,670		IL	23,408		PA	71,396		MO	77%	NM	13%
CA	+2,786		KY	+49		CO	+15		PA	999,311		GA	18,660		KY	66,982		MI	77%	MO	12%
MA	+2,121		TN	+45		NJ	+12		NC	901,262		CH	18,381		IL	66,782		FL	77%	NJ	12%
NC	+2,098		AZ	+44		IL	+11		NJ	877,936		MA	16,970		AZ	57,653		DC	77%	ID	12%
+60,475			+971			+380			16,314,349			314,799			1,129,447			All states 70%		67%	
All states +86,903			+1,454			+142			All states 30,010,928			545,281			2,007,777			All states 70%		67%	
Top ten 70%			67%			268%			Top ten 54%			58%			56%			Median 71%		9%	

Some states not reporting

Five most improved US states

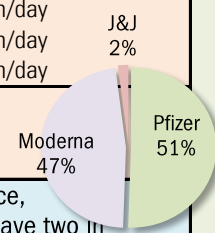
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-729	MO	-42	TX	-64	NJ	+65 bp
NJ	-707	CH	-42	NC	-27	RI	+49 bp
GA	-567	MS	-17	WA	-24	KS	+43 bp
LA	-255	FL	-11	TN	-17	NH	+39 bp
KY	-183	NJ	-11	NJ	-16	MA	+37 bp



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
177.20 million doses distributed	+5.08 million/day	United States 13.9%
136.16 million doses administered	+2.33 million/day	United Kingdom 3.7%
88.68 million persons partially immunized	+1.58 million/day	France 3.7%
48.43 million persons fully immunized	+0.86 million/day	Spain 4.9%
7.68 million shots long-term care residents/staff	+0.01 million/day	Germany 4.2%
		Italy 4.5%
76.8% of distributed doses administered		Australia 0.5%
26.5% of US pop partial	14.5% full immunity	Israel 53.8%
100% of LTC partial	62.8% full immunity	Canada 1.7%
		Japan 0.0%
		Africa 0.2%
		India 0.6%
		Brazil 1.8%



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

224 days
by Nov 2, 2021

US will achieve herd immunity in

85 days
by Jun 16, 2021

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

AK
73.9%
31.9%
20.3%

Global data differs due to sources

China NA	ME
	53.2%
	29.9%
	16.5%

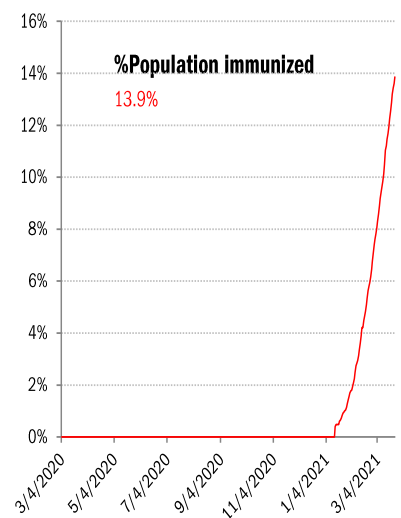
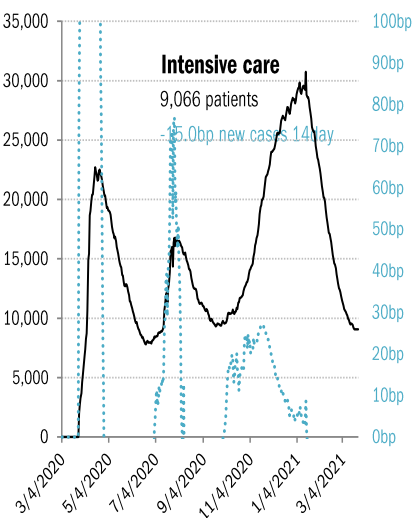
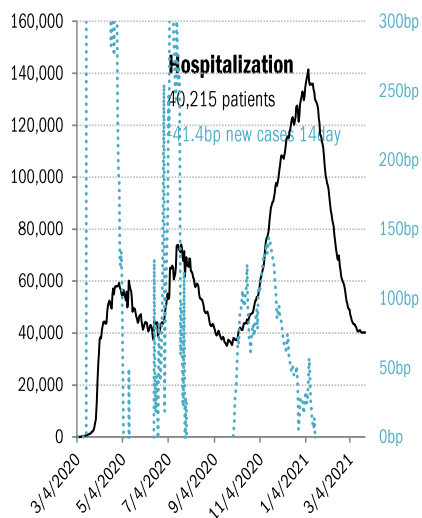
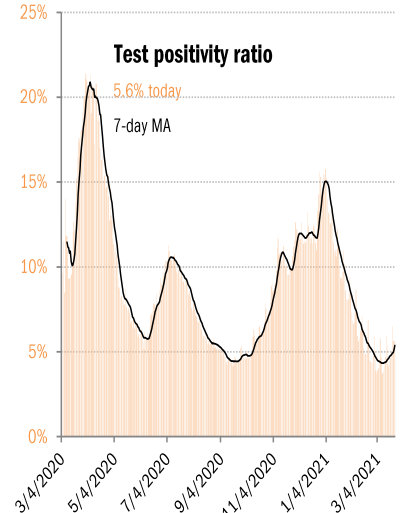
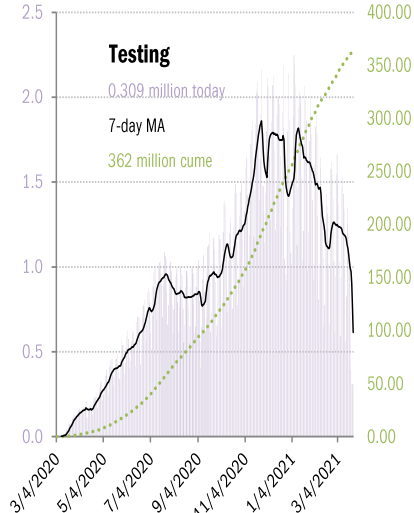
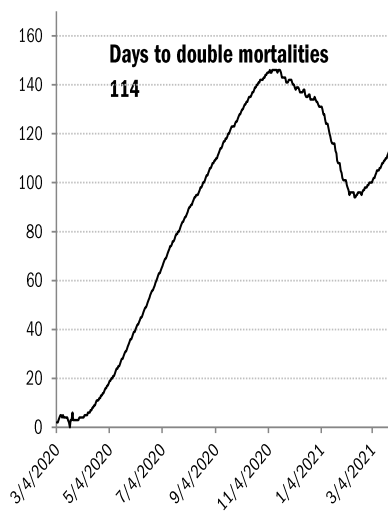
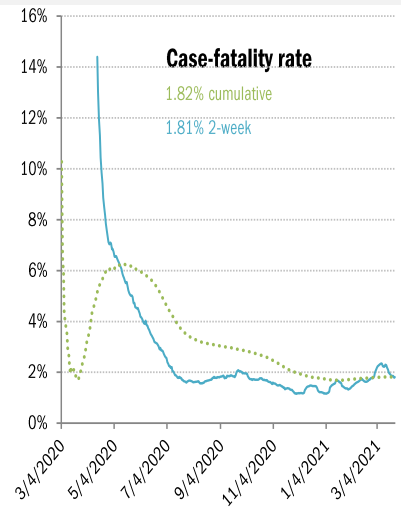
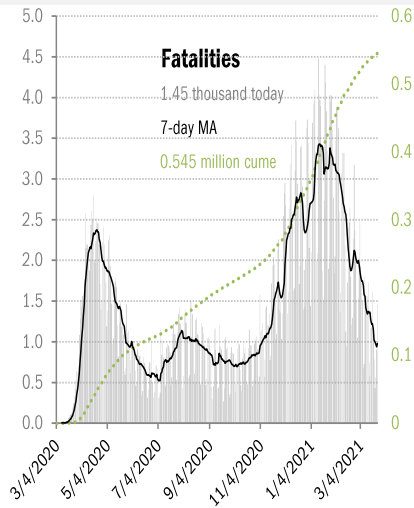
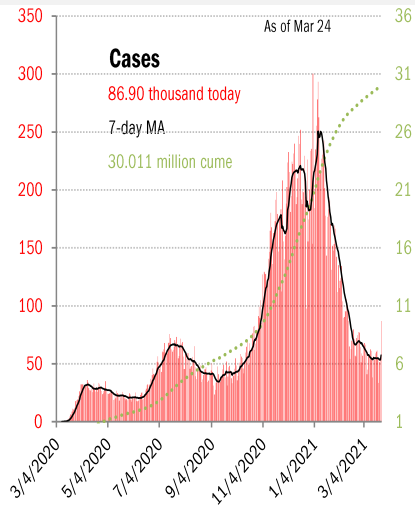
WI	VT	NH								
49.5%	56.9%	50.0%								
27.6%	29.8%	28.7%								
16.0%	15.8%	14.7%								
WA	ID	MT	ND	MN	IL	MI	NY	MA		
51.6%	47.5%	55.2%	54.1%	49.9%	50.9%	50.7%	52.5%	51.6%		
26.4%	22.9%	27.2%	29.2%	27.7%	26.8%	25.1%	27.2%	30.0%		
15.0%	14.4%	16.2%	17.1%	15.7%	14.5%	14.3%	13.3%	16.1%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
50.8%	48.4%	58.1%	61.8%	49.8%	47.0%	50.1%	52.4%	49.8%	58.1%	53.6%
24.8%	24.6%	24.6%	31.0%	27.3%	22.6%	25.4%	28.0%	29.3%	31.1%	30.0%
14.4%	13.7%	16.0%	19.0%	16.6%	14.7%	14.5%	14.3%	15.4%	17.3%	17.0%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
51.9%	44.3%	50.3%	52.4%	49.3%	49.9%	55.4%	49.7%	50.9%	52.7%	
26.6%	22.5%	25.6%	27.4%	23.2%	28.0%	26.9%	26.7%	27.0%	26.6%	
13.5%	10.0%	15.6%	15.6%	12.6%	14.4%	16.3%	14.7%	14.5%	13.9%	
AZ	NM	KS	AR	TN	NC	SC	DC			
51.3%	60.5%	53.7%	51.0%	47.2%	50.0%	46.9%	65.6%			
25.8%	33.7%	26.2%	23.0%	21.9%	26.0%	24.1%	21.9%			
14.8%	20.6%	14.1%	11.8%	11.6%	14.2%	13.1%	10.8%			
OK	LA	MS	AL	GA						
60.5%	50.8%	50.5%	49.0%	47.0%						
28.1%	23.5%	22.4%	20.8%	20.0%						
15.2%	13.8%	12.8%	12.0%	11.2%						
HI	TX	FL	PR							
58.8%	48.3%	53.2%	53.5%							
28.6%	22.3%	24.5%	18.7%							
16.8%	11.2%	13.7%	10.6%							

As of Mar 24

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

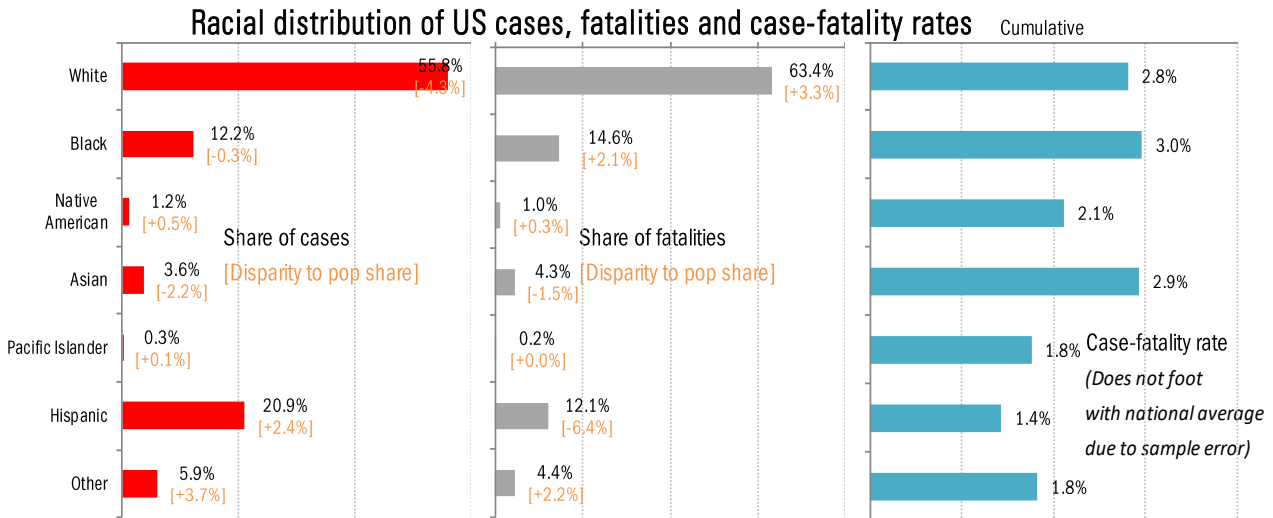
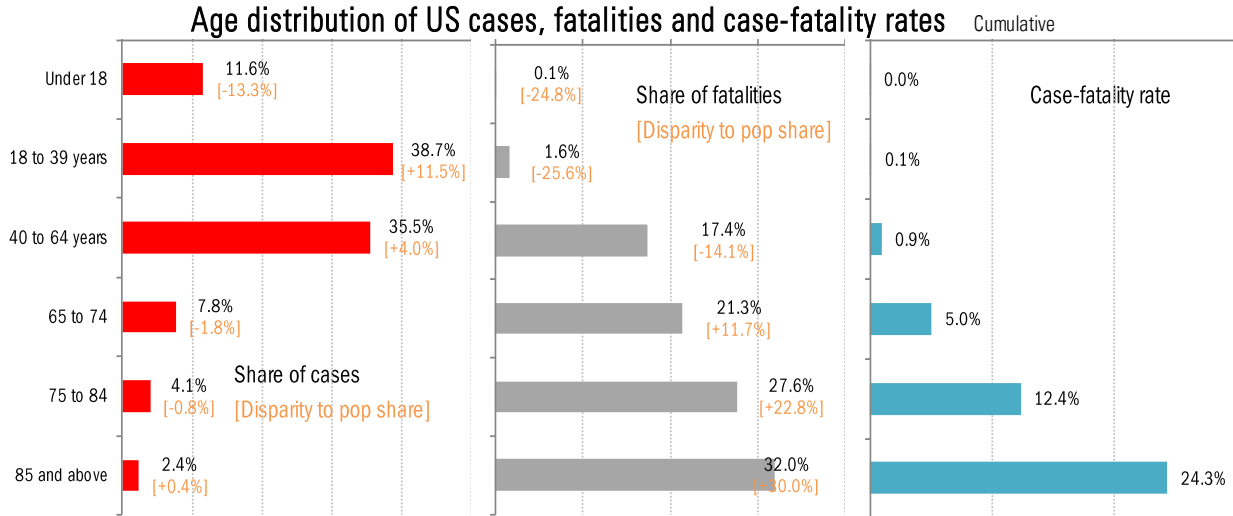
US deep-dive

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

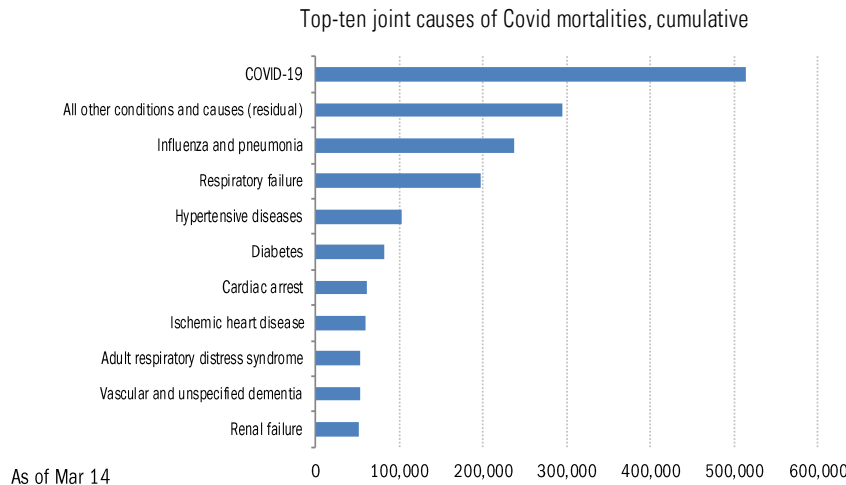


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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



Comorbidities



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

[Notable & Quotable: Los Angeles Mayor Garcetti on Covid Immunity](#)

Wall Street Journal
March 21, 2021

[Herd Immunity Is Near, Despite Fauci's Denial](#)

Marty Makary
Wall Street Journal
March 24, 2021

[India delays big exports of AstraZeneca shot, including to COVAX, as infections surge](#)

Krishna N. Das 4 MIN READ
Reuters
March 24, 2021

[Coronavirus: 'Double mutant' Covid variant found in India](#)

BBC
March 25, 2021

[Did Michigan cover up nursing home COVID deaths like New York?](#)

Steve Delie and Charlie LeDuff
USA Today
March 19, 2021

[Teachers union "not convinced" social distancing can safely be cut to 3 feet](#)

Bo Erickson
CBS News
March 23, 2021

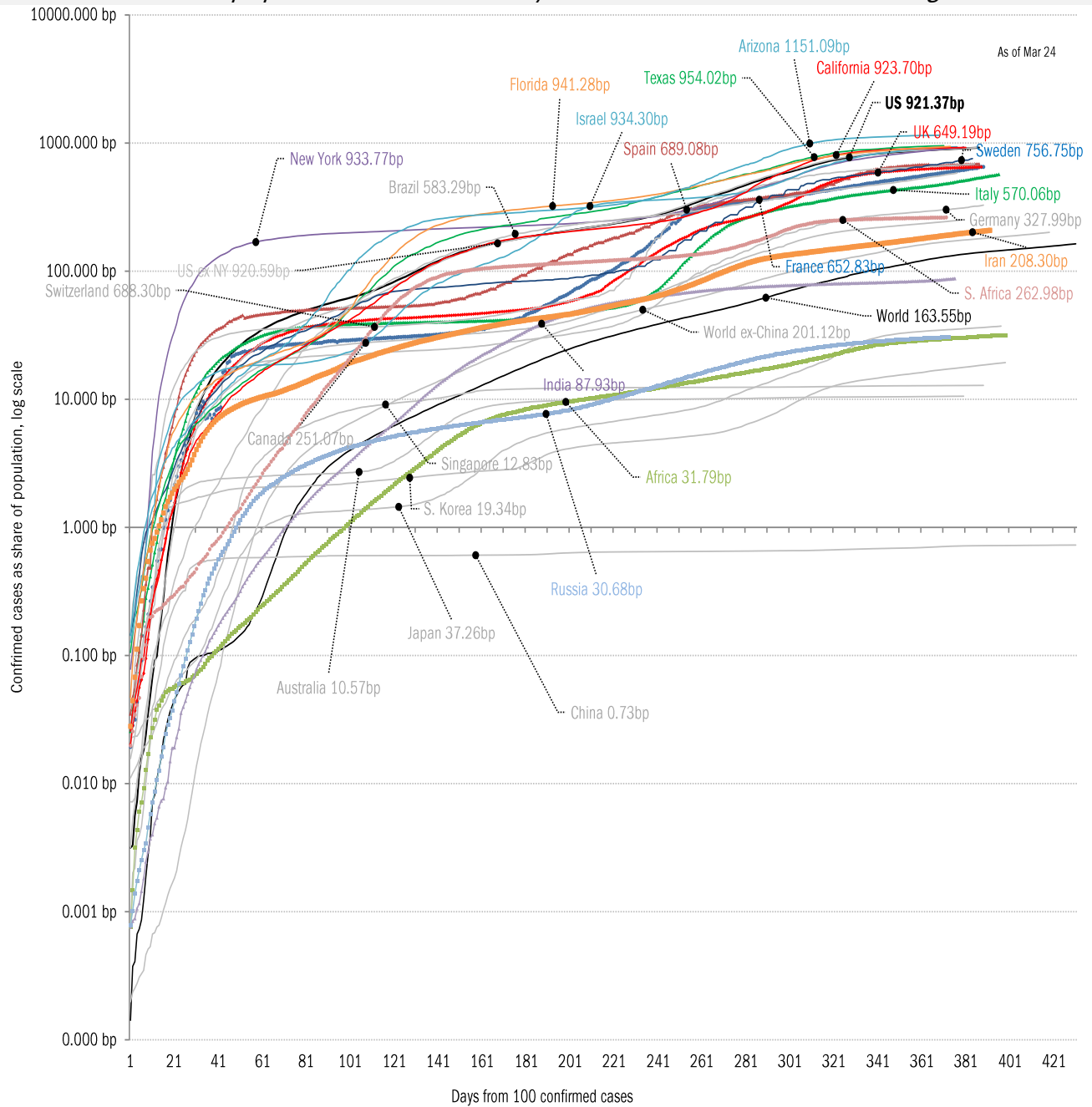
Meme of day



**Marlboro To Offer Free Carton Of Cigarettes
With Proof Of Vaccination**

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

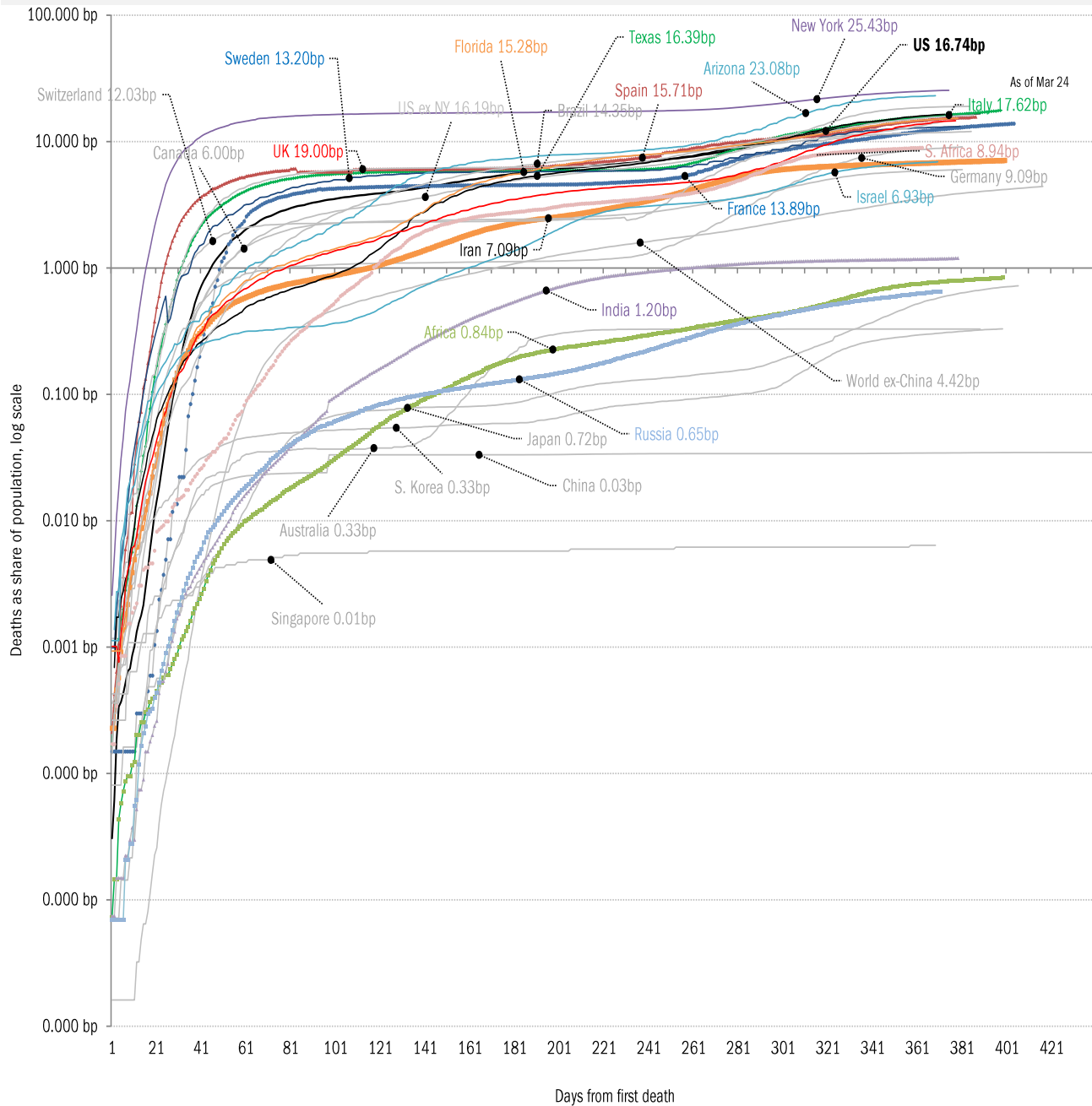
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

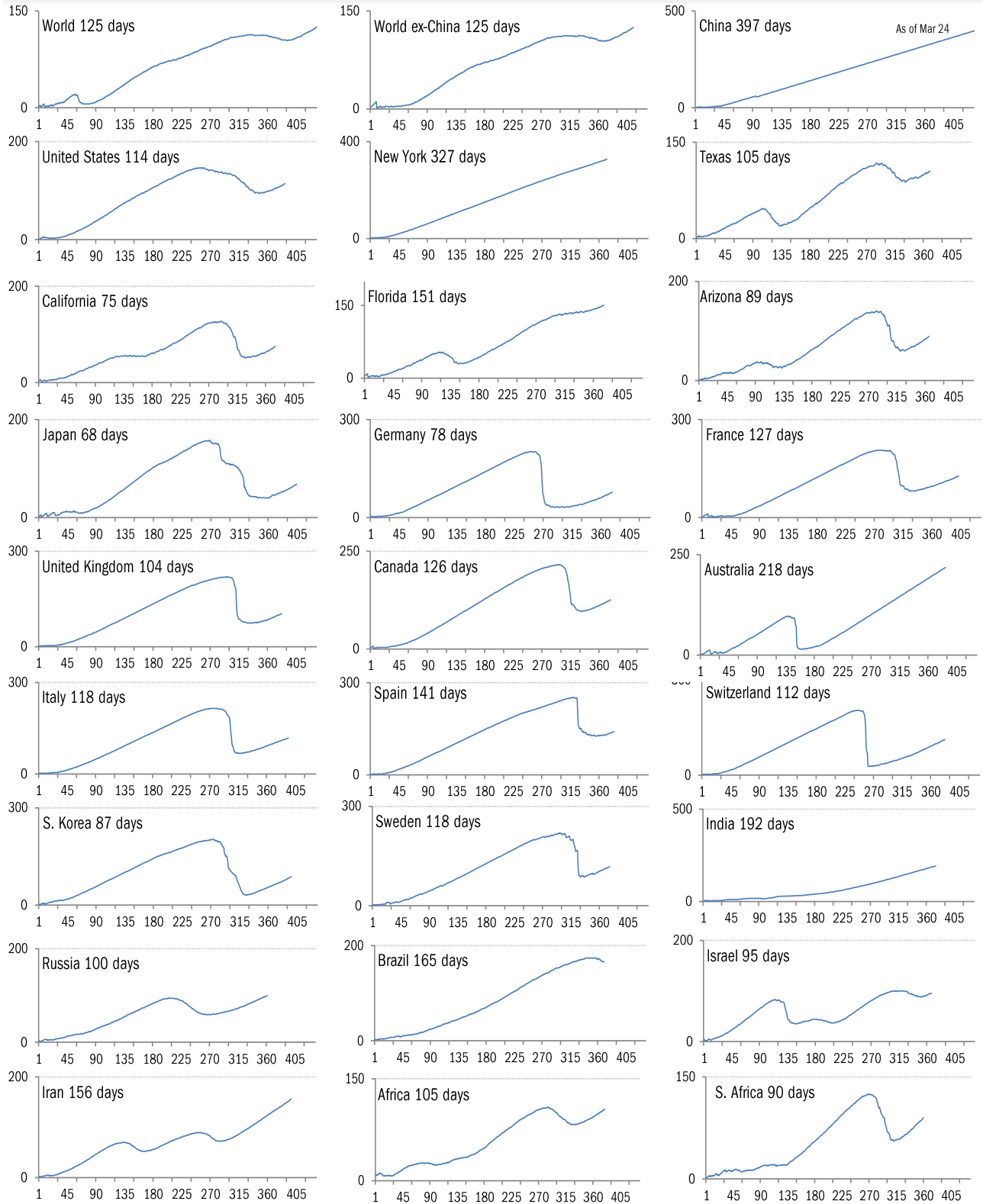


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-19

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

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

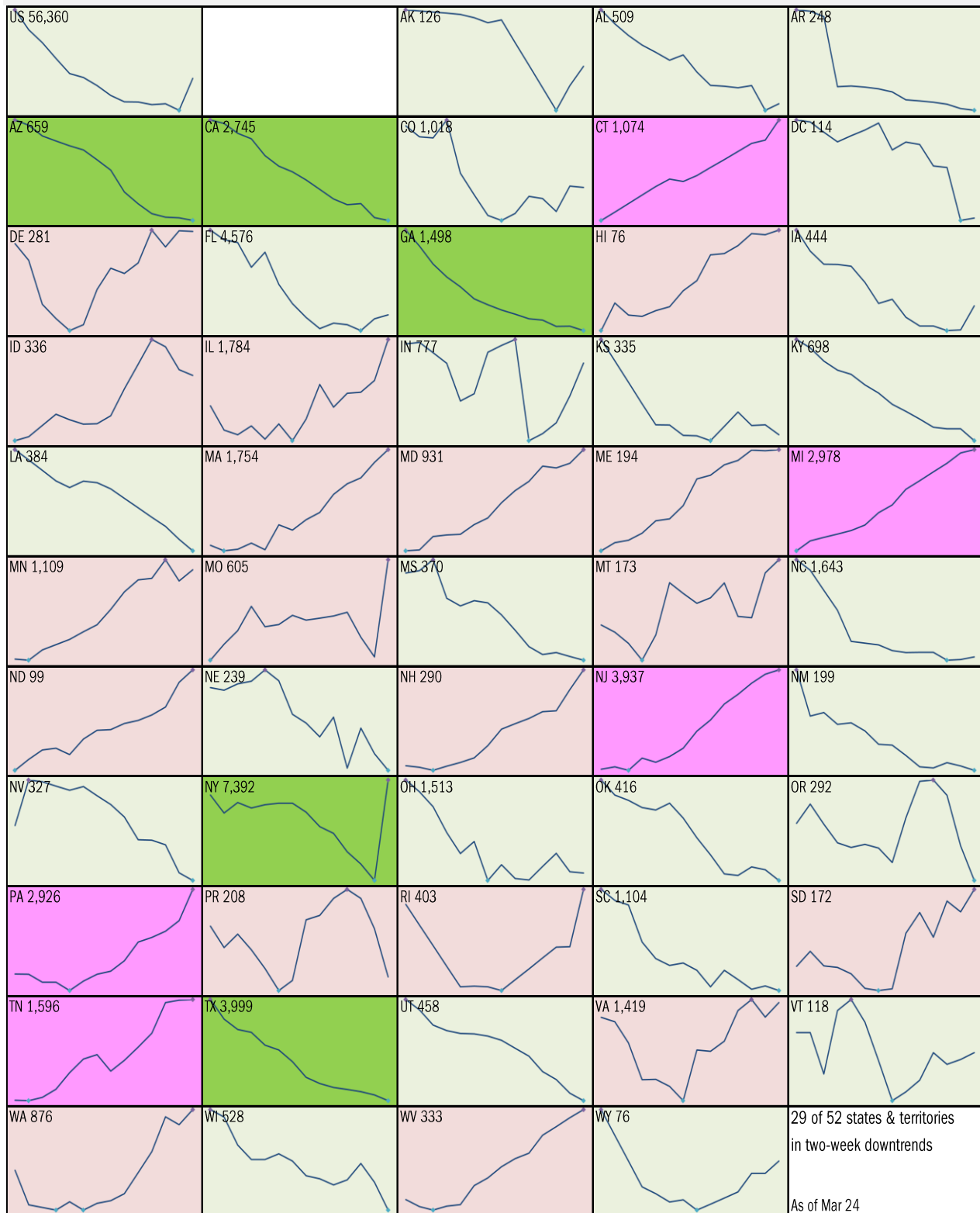


Source: [Johns Hopkins](#), TrendMacro calculations

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

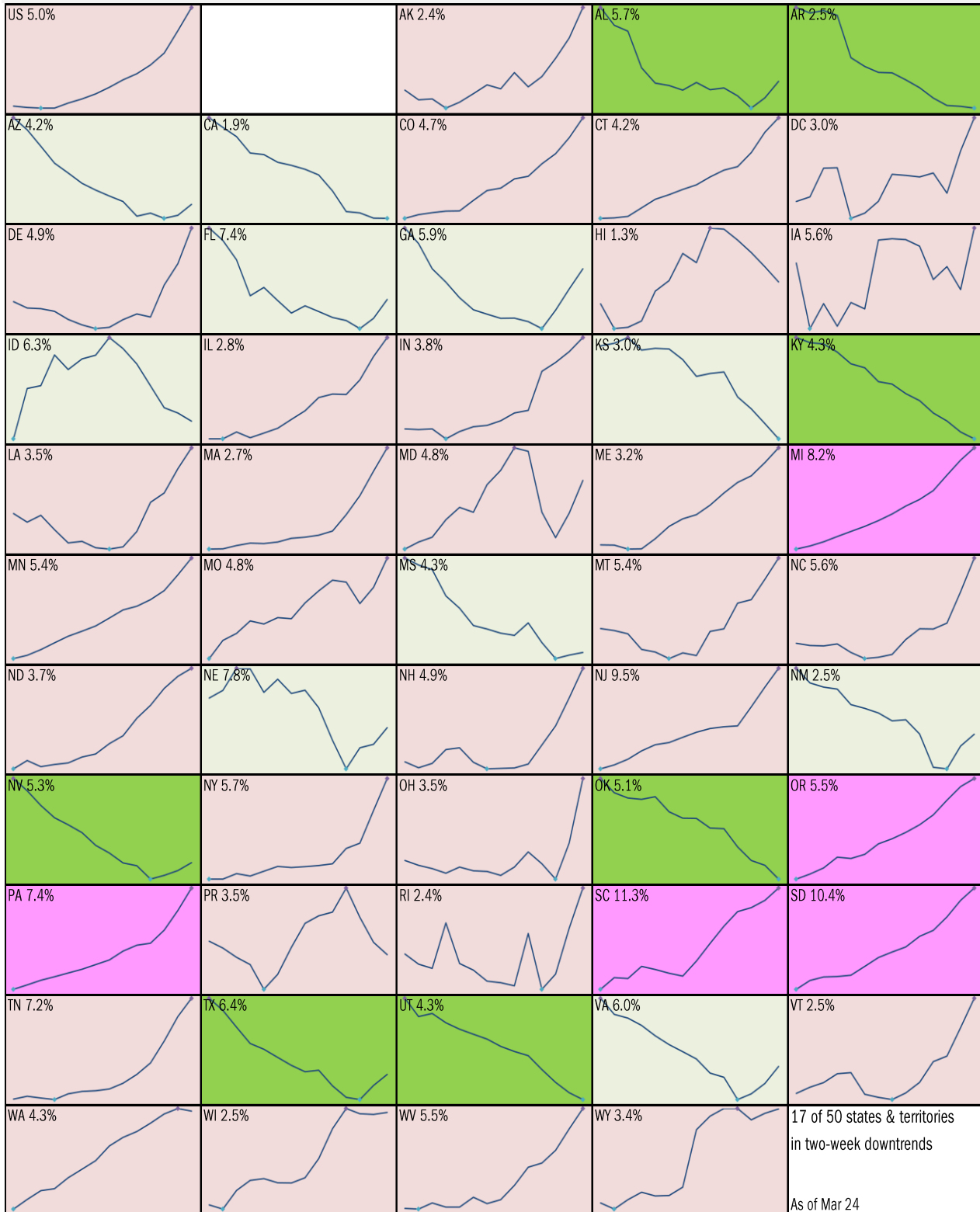


Source: [Johns Hopkins](#), TrendMacro calculations

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

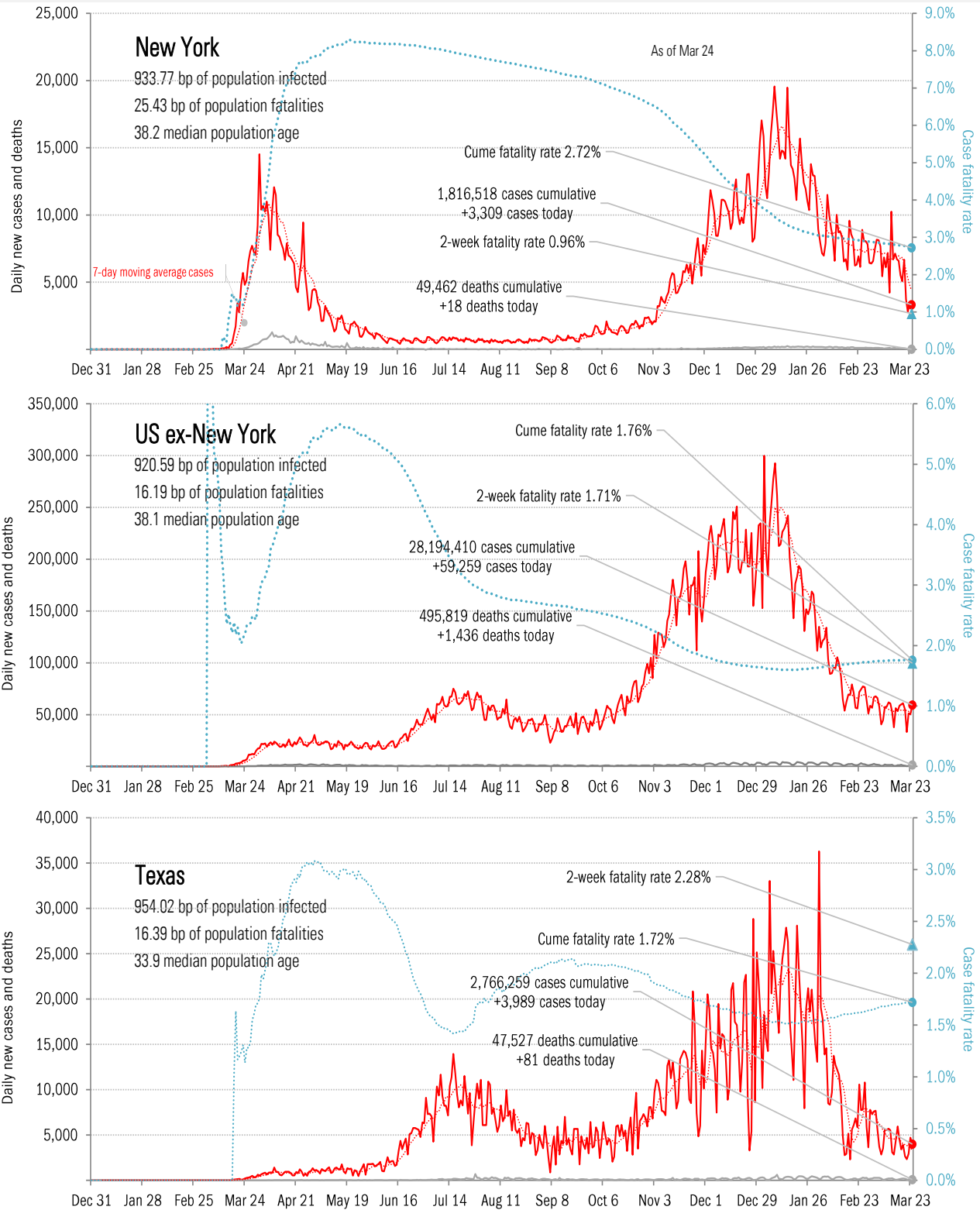
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



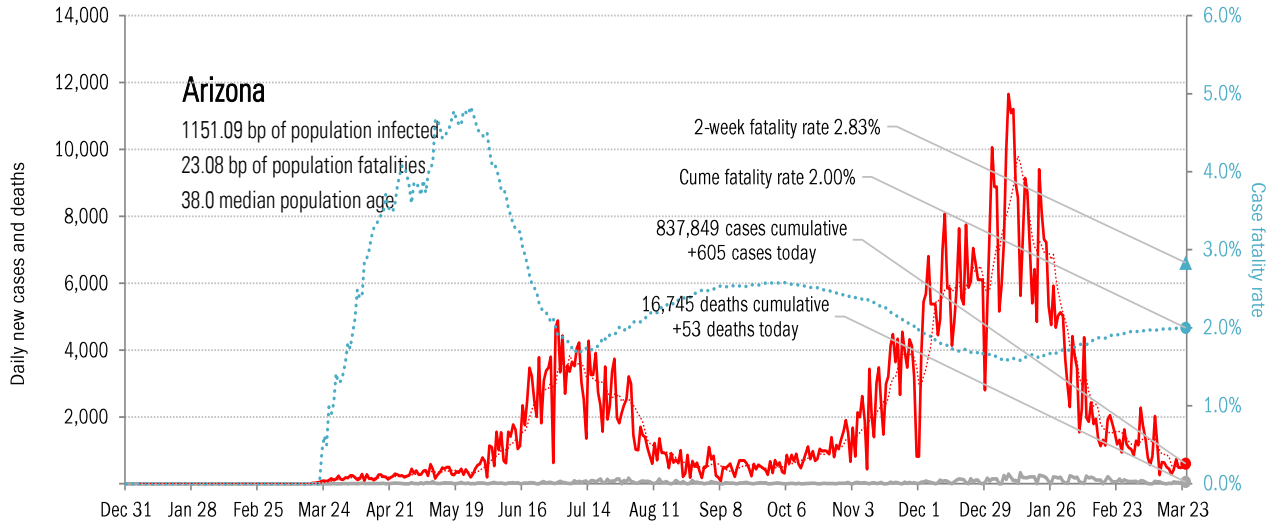
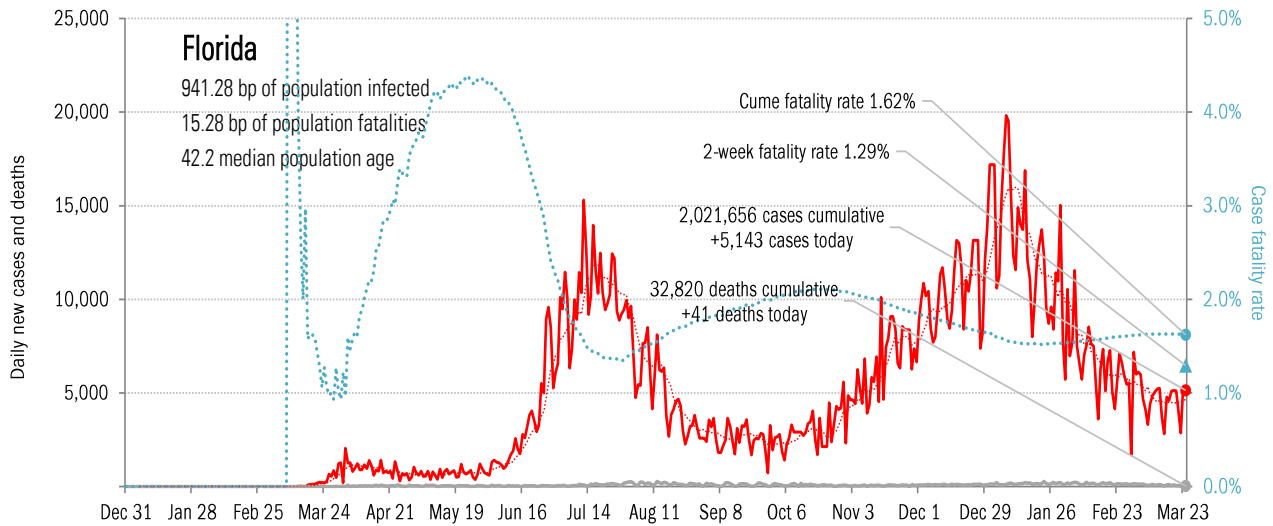
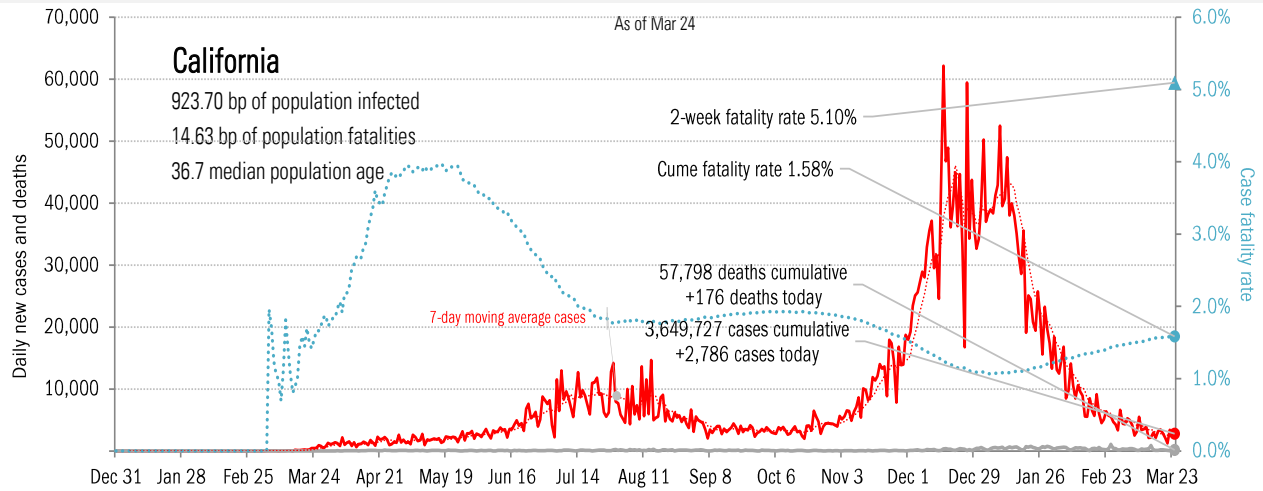
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



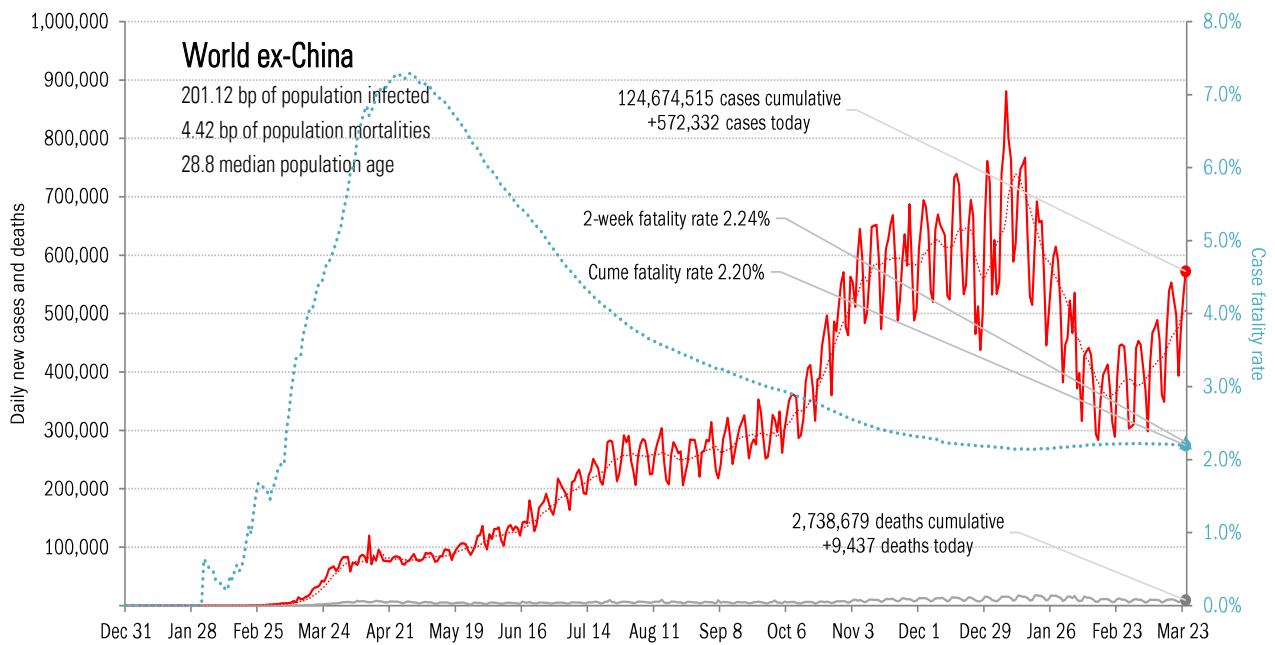
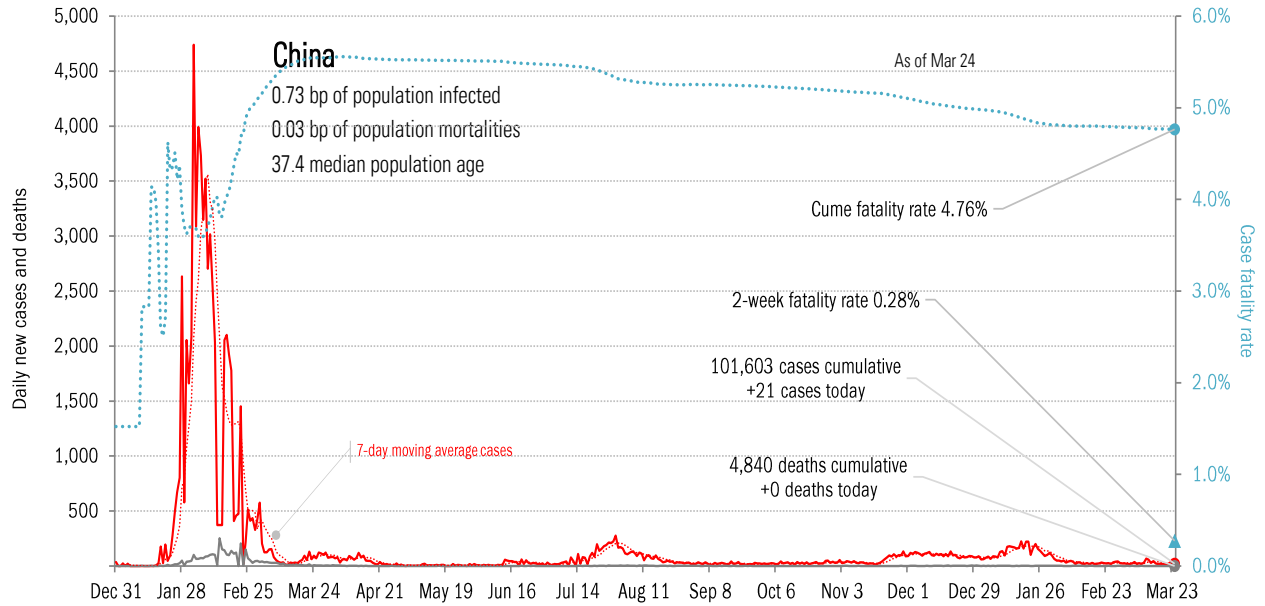
Source: [Johns Hopkins](#), TrendMacro calculations

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



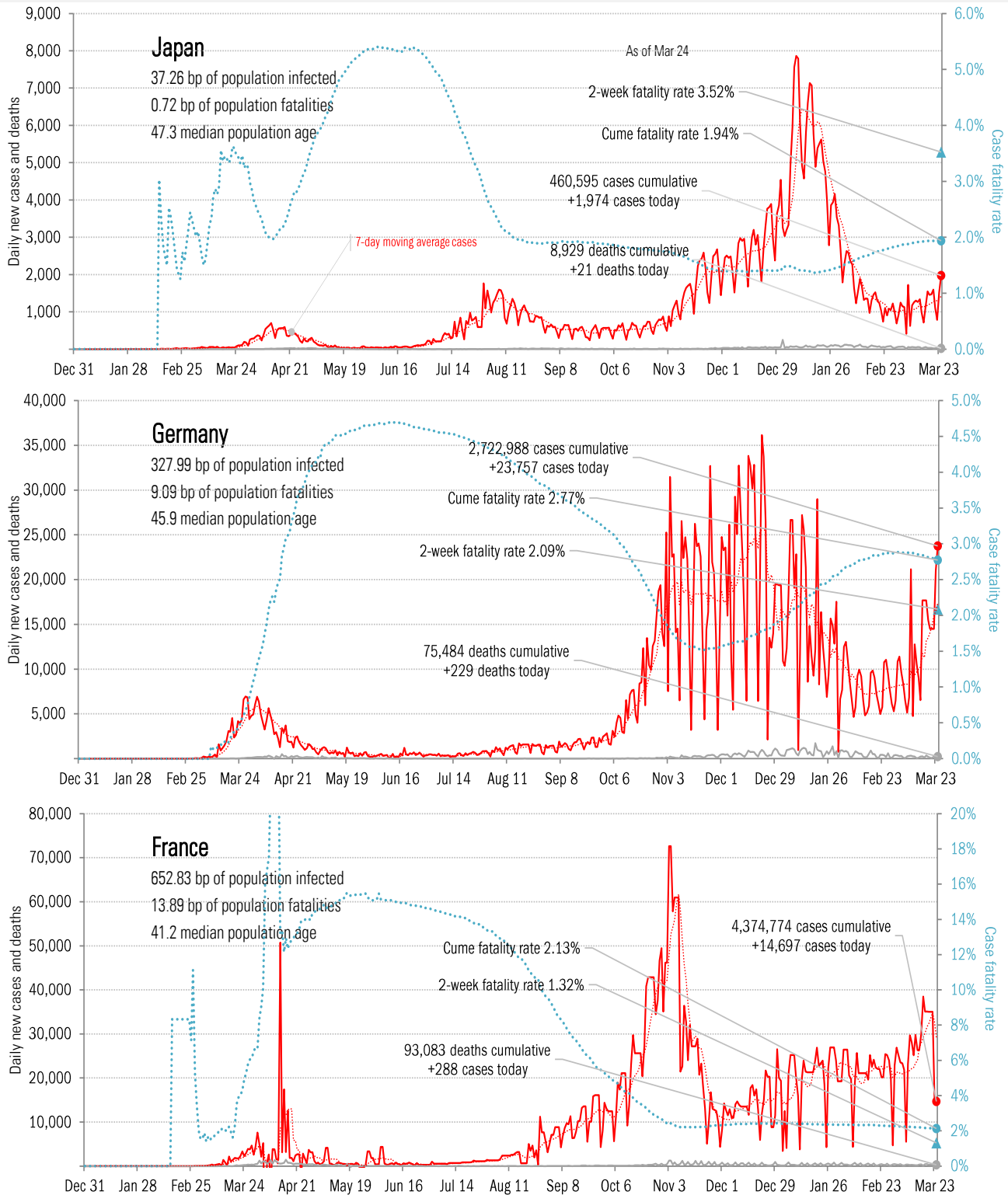
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



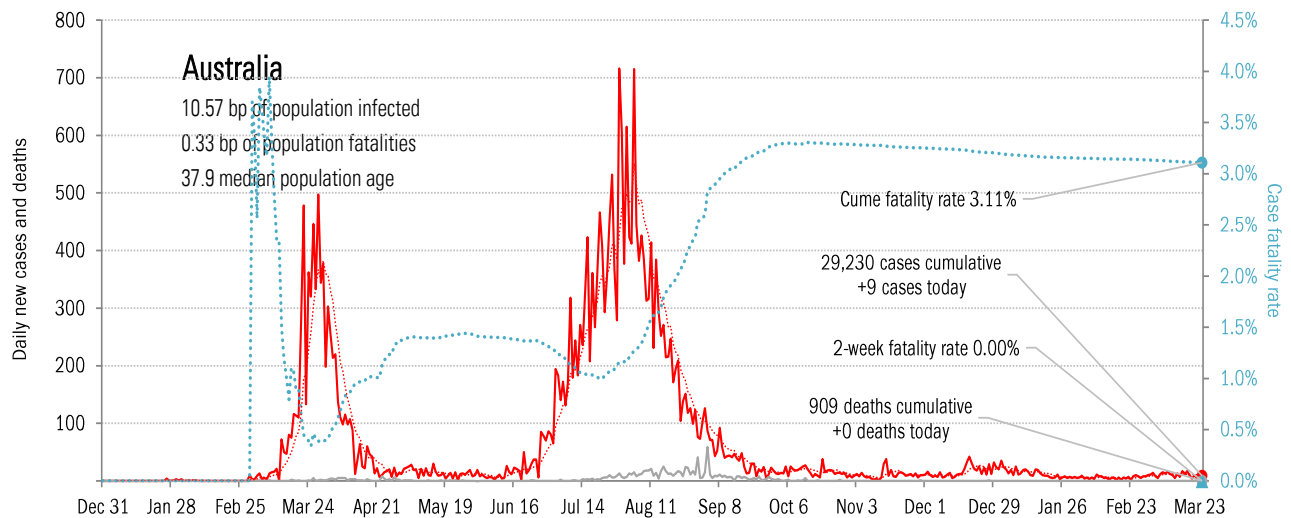
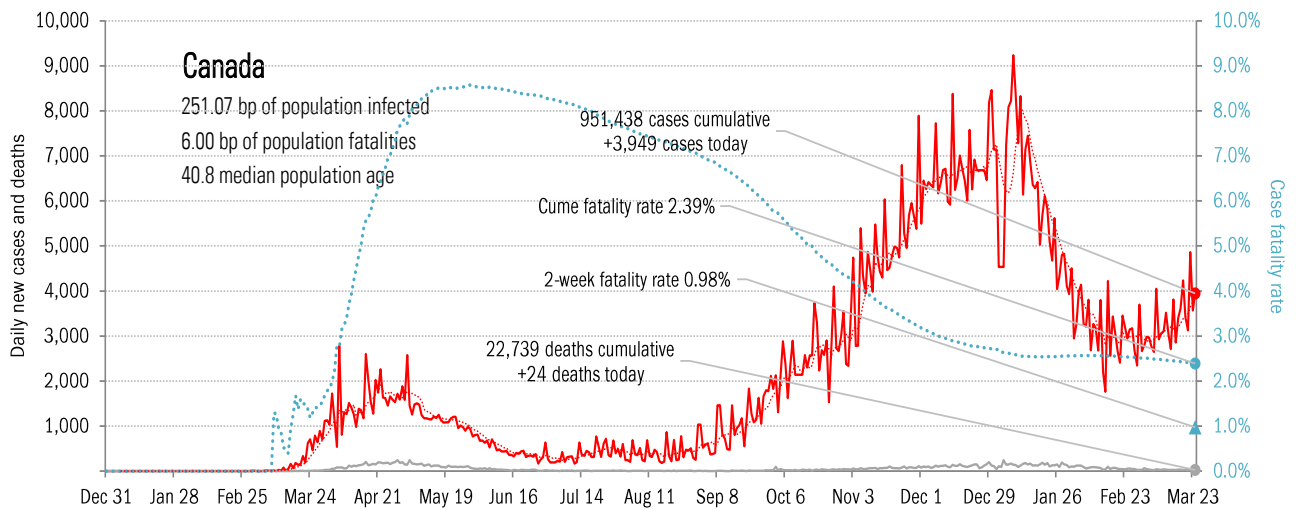
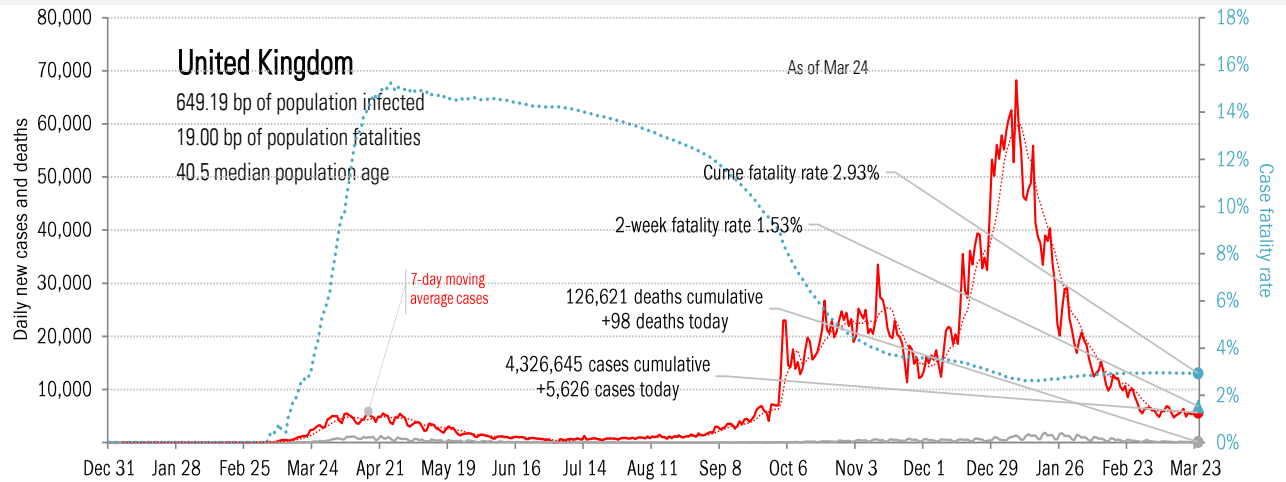
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



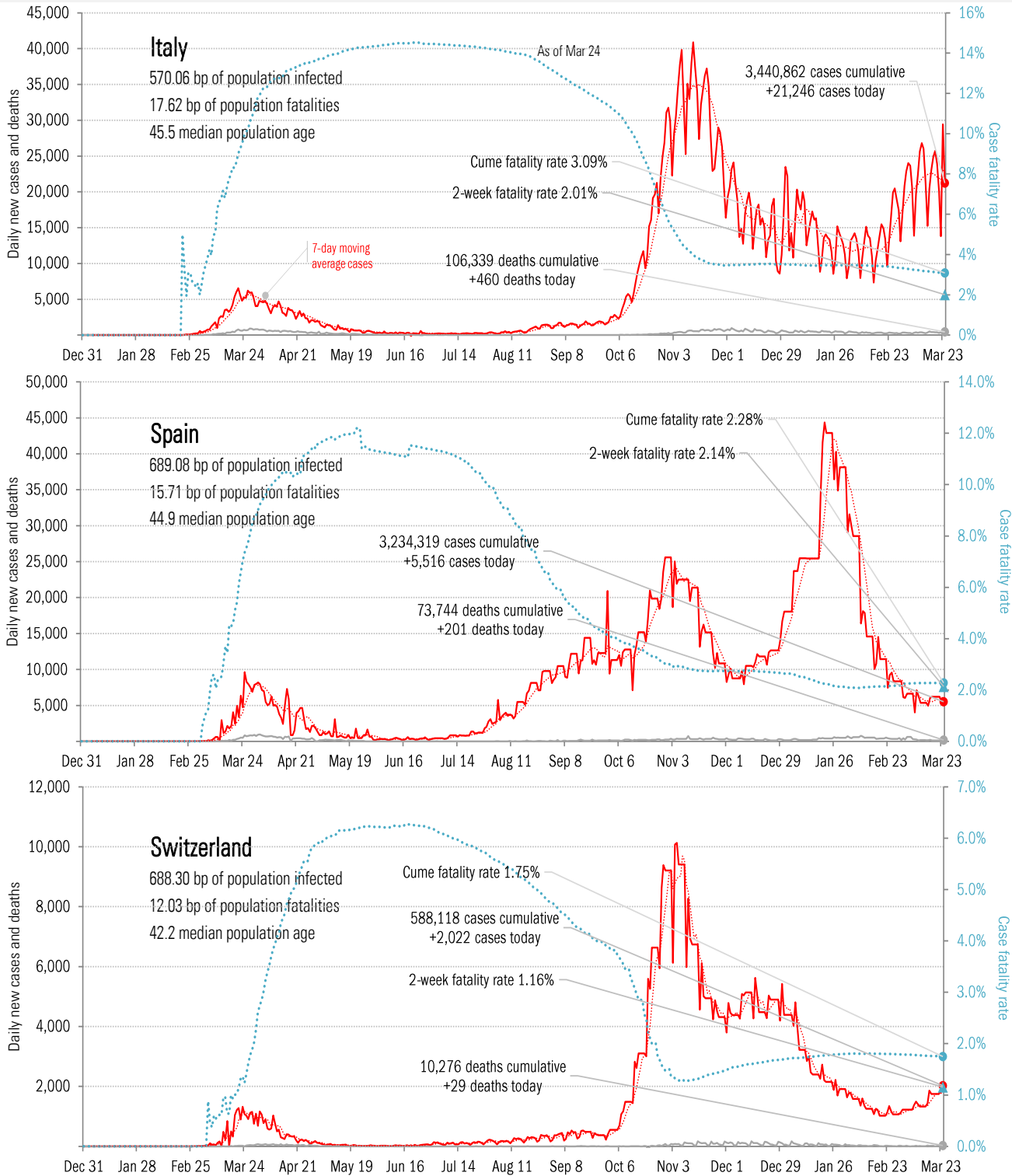
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



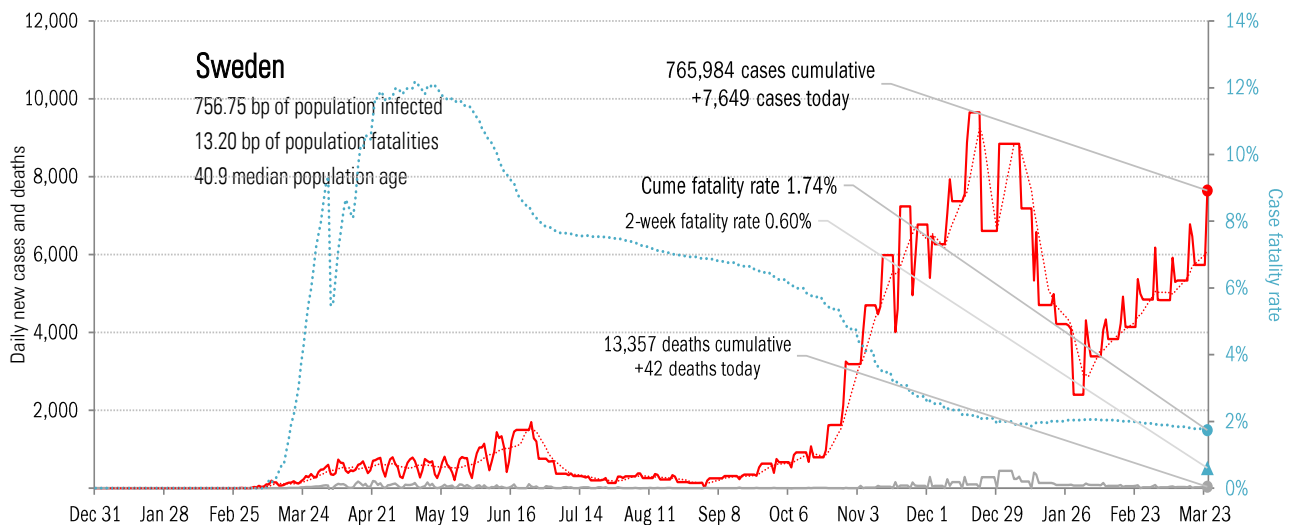
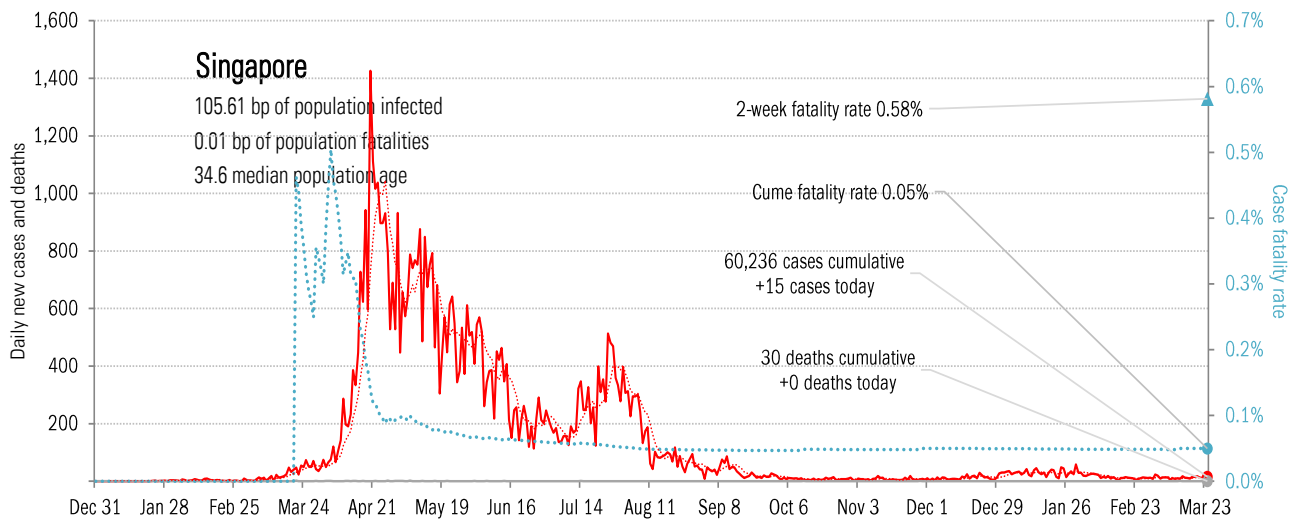
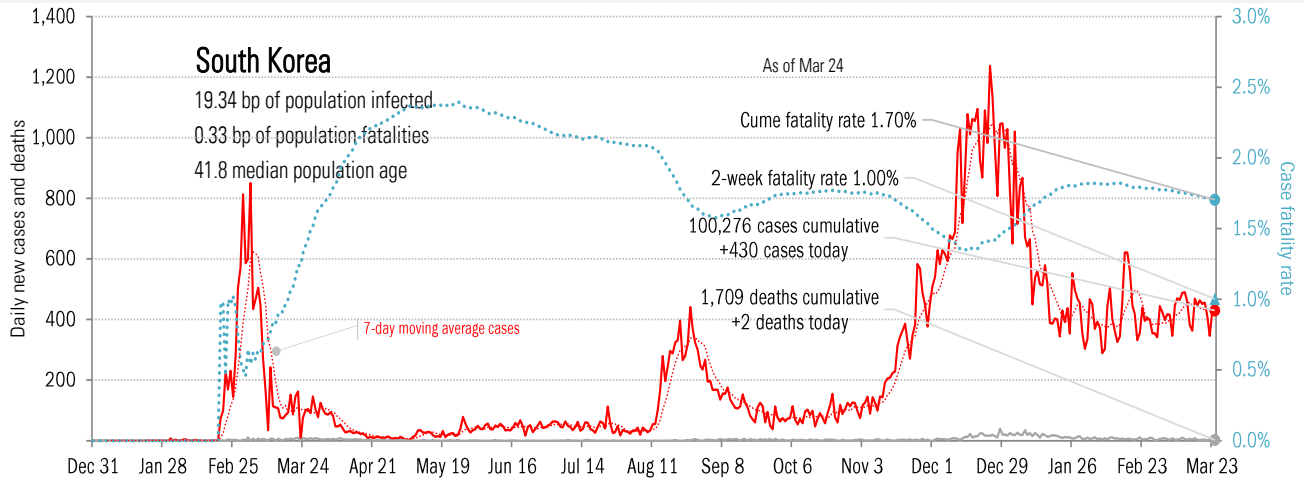
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



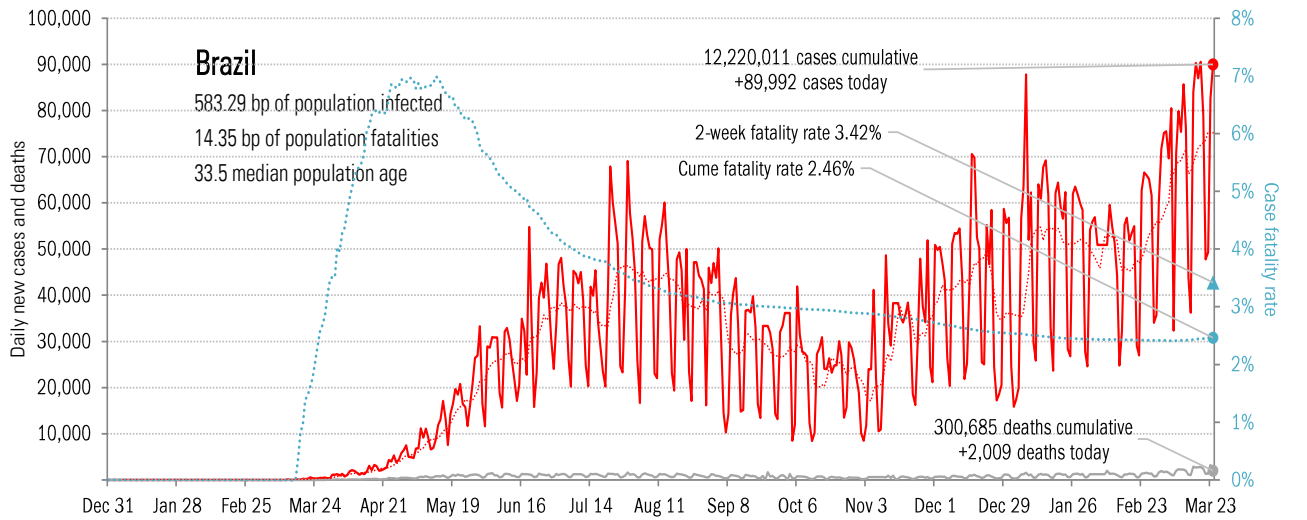
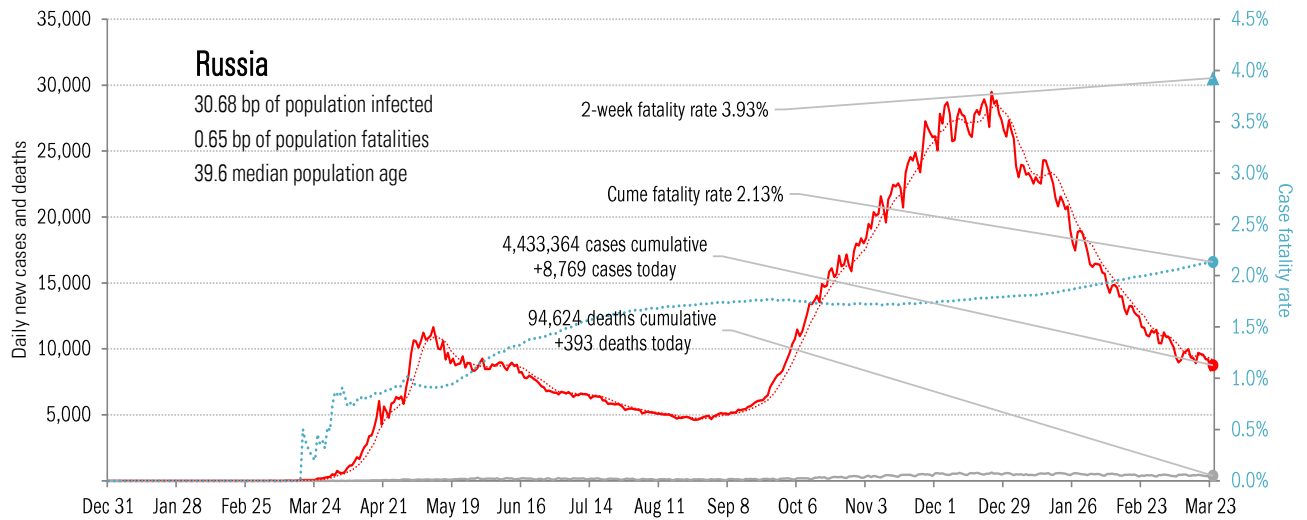
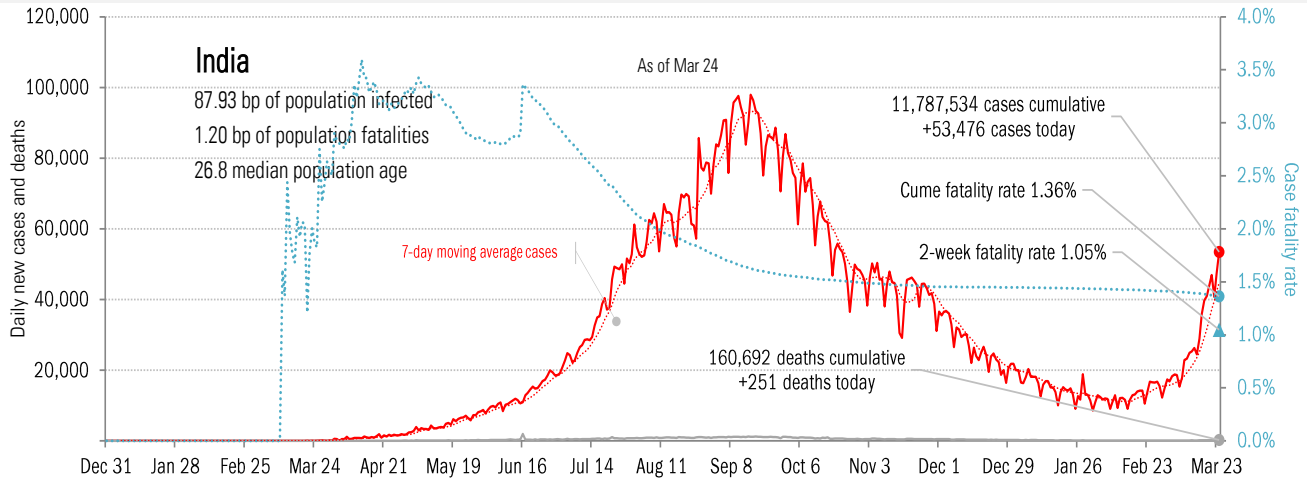
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



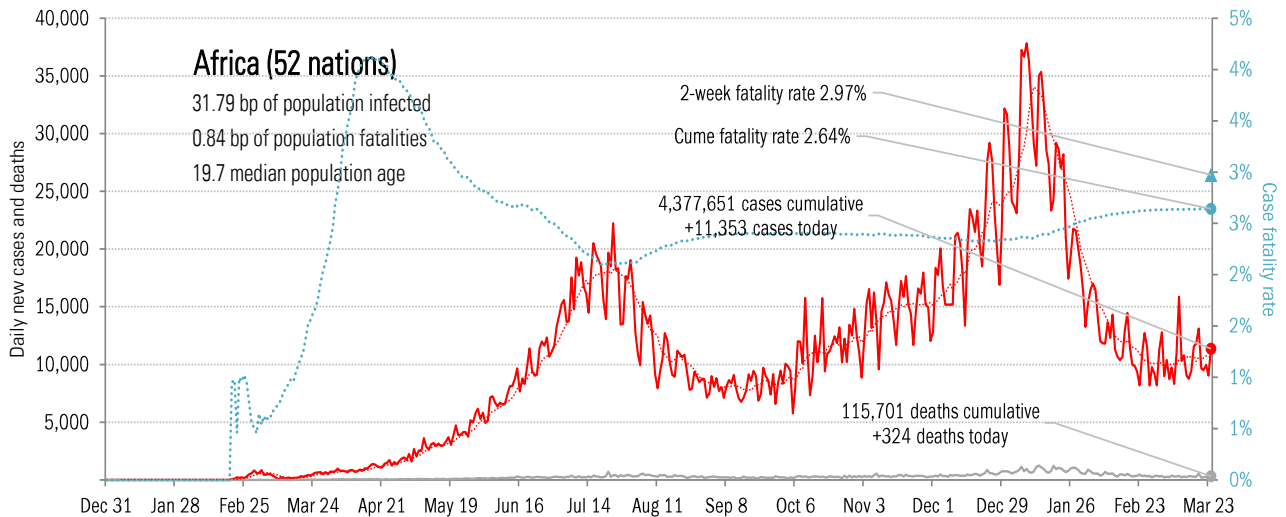
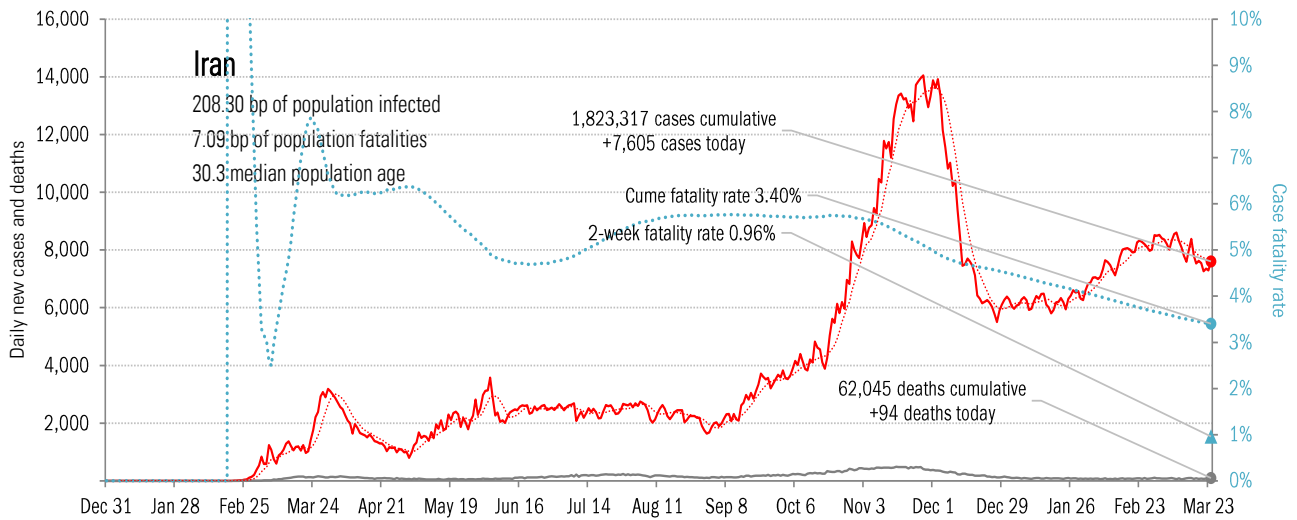
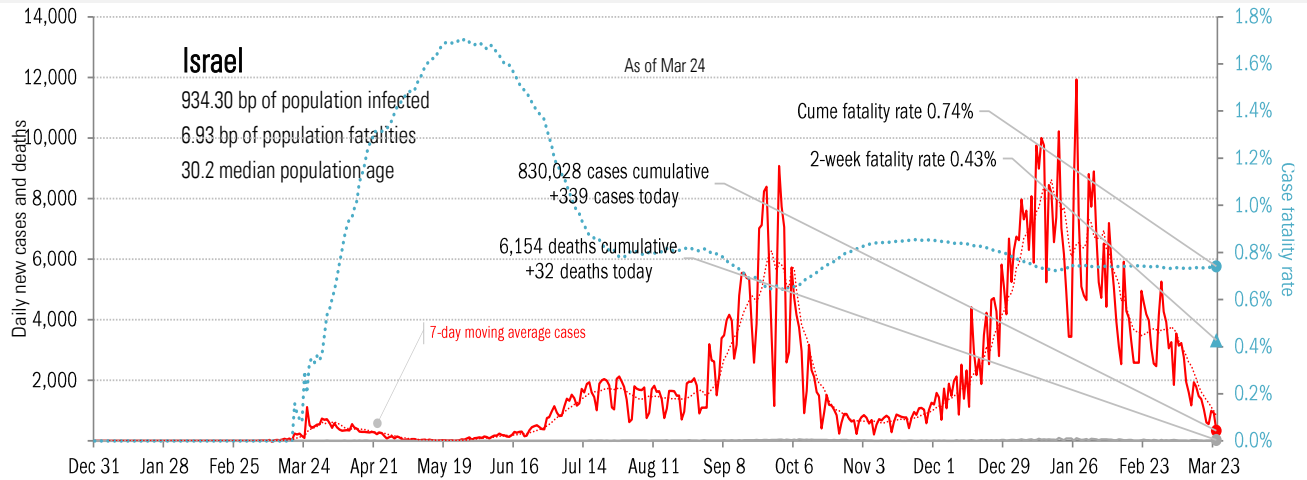
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



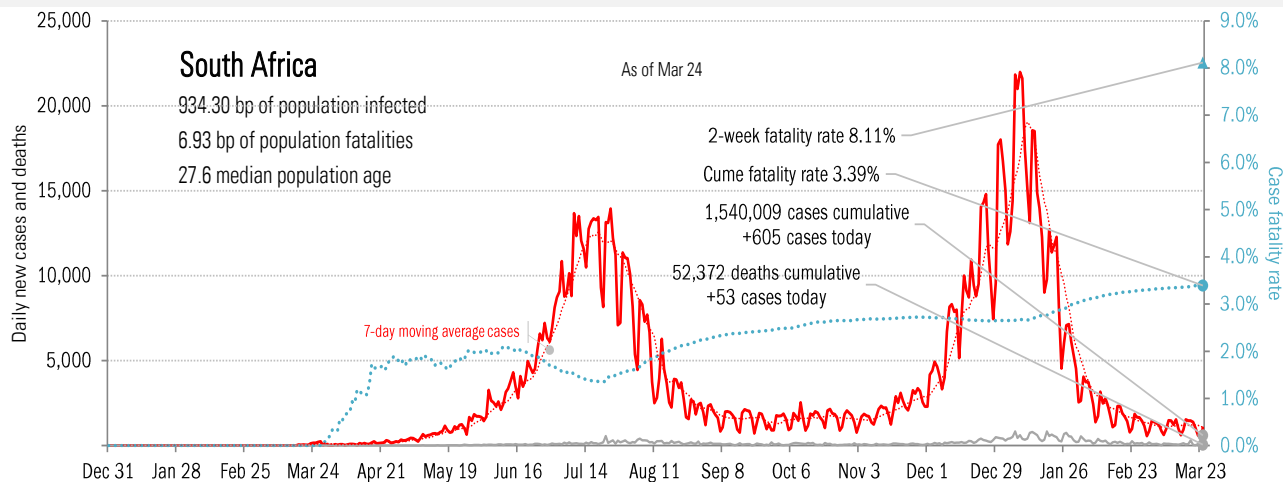
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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