

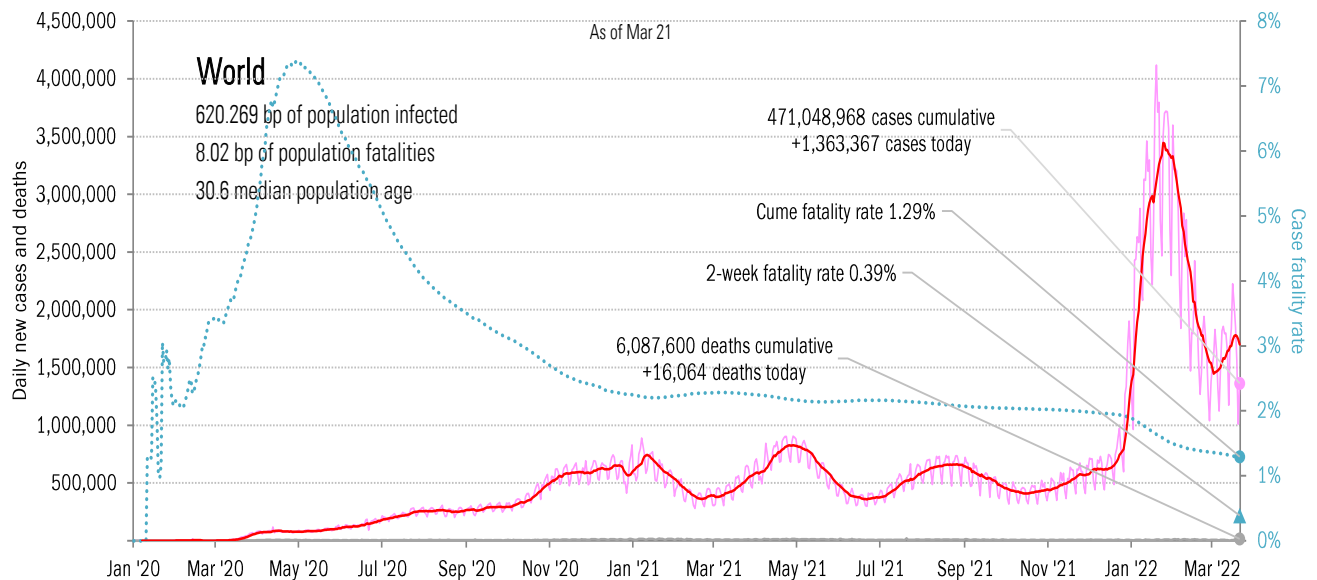
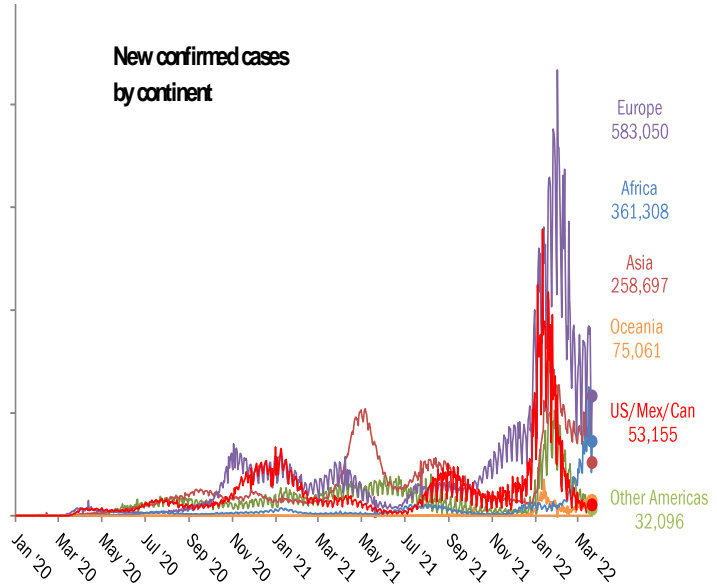
Data Insights: Covid-2019 Monitor

Tuesday, March 22, 2022

The global scorecard

Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Korea, South	353,725	Chile	11,447
United Kingdom	226,411	United States	1,513
Vietnam	131,713	Russia	400
Switzerland	60,997	Korea, South	384
Australia	53,063	United Kingdom	167
United States	44,101	Indonesia	154
Italy	33,445	France	153
Netherlands	32,221	Hungary	134
Austria	31,872	Italy	119
Russia	28,342	Argentina	105
995,890		14,576	
World	1,363,367	World	16,064
Top ten	73%	Top ten	91%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

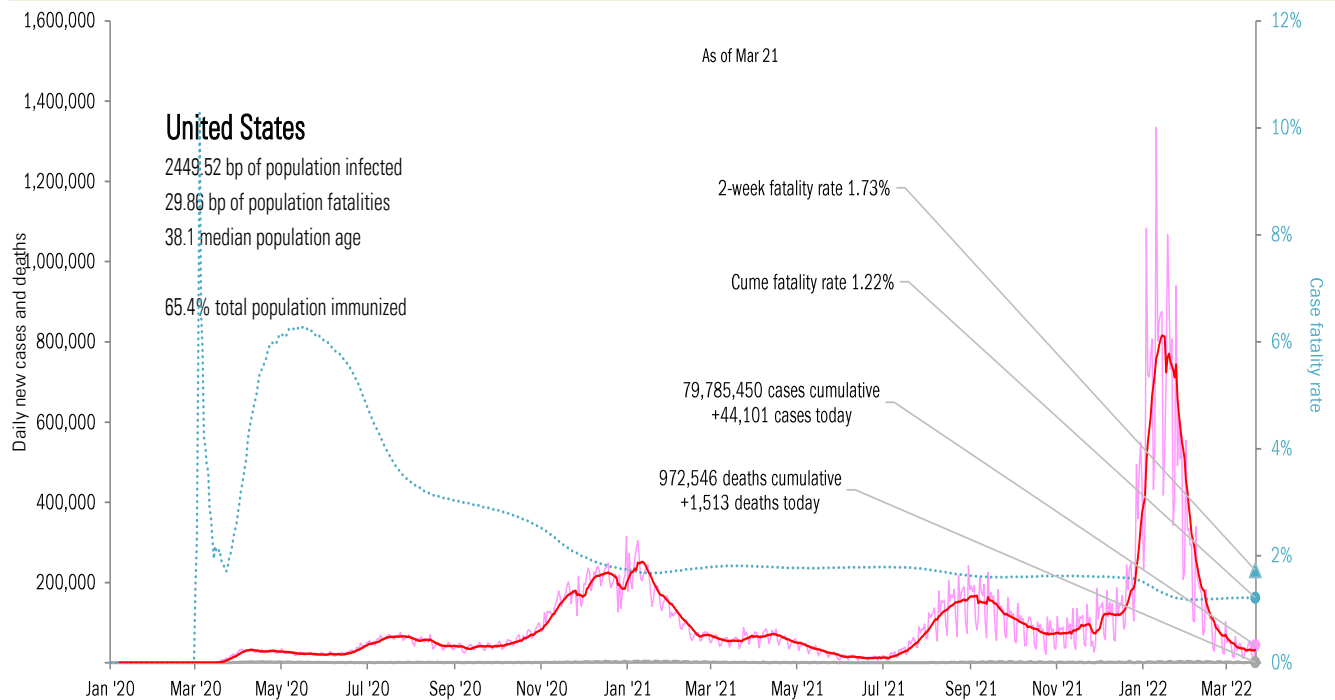
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	9,369		KY	279		FL	247		CA	9,075,006		CA	88,209		TX	485,324		RI	89%	TX	86%
KY	8,639		TX	274		IL	69		TX	6,693,045		TX	86,928		CA	420,748		MN	84%	RI	85%
NC	2,508		CO	252		CH	65		FL	5,874,824		FL	72,679		FL	412,693		MA	84%	WV	81%
IL	2,451		CA	185		GA	72		NY	4,964,964		NY	67,822		NY	243,719		WV	82%	AL	81%
MA	1,783		FL	104		KY	51		IL	3,055,636		PA	44,050		GA	206,130		WA	81%	NM	80%
VA	1,774		GA	69		WV	23		PA	2,775,183		CH	37,608		CH	189,592		GA	81%	MA	80%
MI	1,716		AL	55		NV	23		CH	2,666,030		GA	36,576		PA	174,988		MD	81%	KY	80%
WA	1,622		VA	54		WI	34		NC	2,619,372		IL	35,649		IL	155,837		MO	79%	WA	78%
TX	1,407		WI	34		IN	35		GA	2,483,456		MI	35,425		MI	140,058		PA	78%	MI	77%
CO	1,204		WA	22		MI	54		MI	2,380,155		NJ	33,178		KY	139,504		DE	78%	AK	76%
32,473			1,328			673			42,587,671			538,124			2,568,593						
All states	44,101		1,513			1,745			All states	79,785,450		972,546			4,657,993			All states	70%	67%	
Top ten	74%		88%			39%			Top ten	53%		55%			55%			Median	74%	72%	

Some states not reporting

Five most improved US states

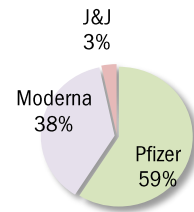
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-6,561	PA	-37	NY	-34	KY	+10 bp
NY	-1,490	AR	-8	NJ	-15	AK	+0 bp
TX	-810	AK	0	DC	-12	AL	+0 bp
FR	-158	AS	0	NM	-9	AR	+0 bp
DE	-38	AZ	0	MD	-6	AS	+0 bp



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

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	573,699,178		+0.067 million	US	65.4%	76.8%
Boosters	97,939,450		+0.029 million	UK	72.2%	77.3%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	262,676,768	79%	223,327,830	67%	+0.017 million	France 77.8% 80.1%
Age 12 to 17	17,485,573	69%	14,912,206	59%	+0.002 million	Spain 85.5% 88.0%
Age 18 to 64	176,981,436	87%	150,083,411	74%	+0.009 million	Germany 75.1% 75.8%
Age 65 and over	58,292,080	100%	50,451,703	92%	+0.001 million	Italy 79.1% 84.0%
						Australia 81.3% 86.0%
						Israel 65.9% 72.1%
						Canada 81.7% 85.8%
						Japan 79.7% 81.0%
						Africa 14.9% 20.1%
						India 58.8% 69.7%
						Brazil 74.2% 84.3%
						China 85.8% 88.1%

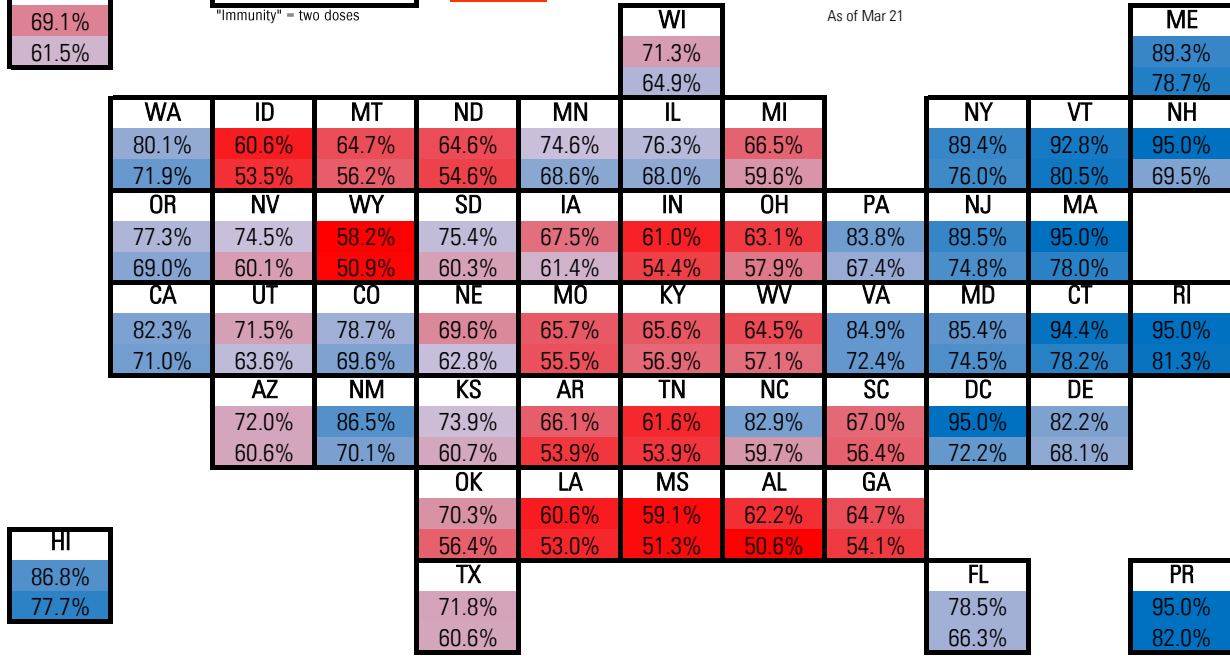


AK	69.1%
	61.5%

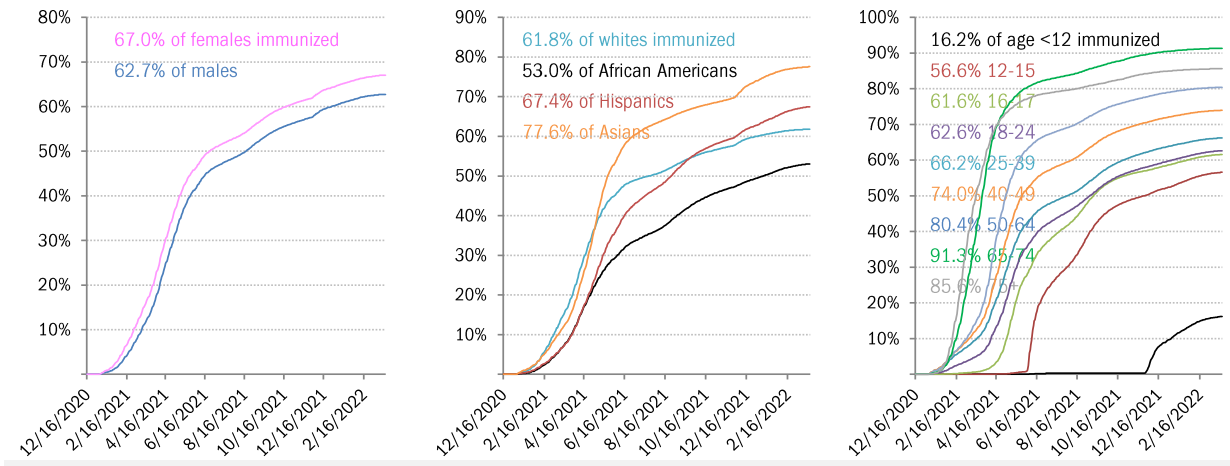
State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

US	65.4%	76.8%
UK	72.2%	77.3%
France	77.8%	80.1%
Spain	85.5%	88.0%
Germany	75.1%	75.8%
Italy	79.1%	84.0%
Australia	81.3%	86.0%
Israel	65.9%	72.1%
Canada	81.7%	85.8%
Japan	79.7%	81.0%
Africa	14.9%	20.1%
India	58.8%	69.7%
Brazil	74.2%	84.3%
China	85.8%	88.1%

Global data differs due to sources, timing



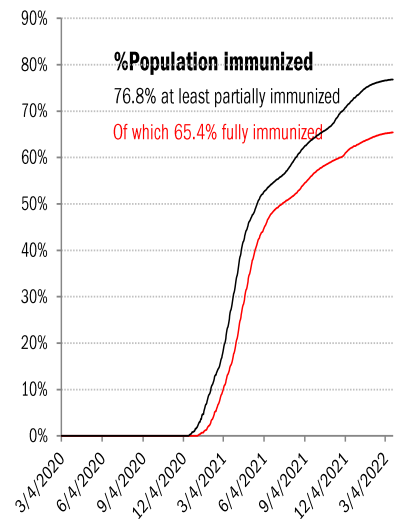
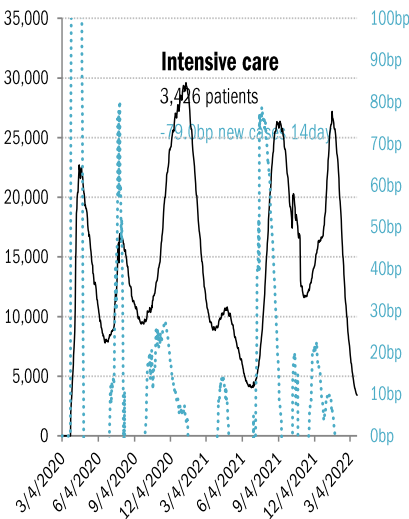
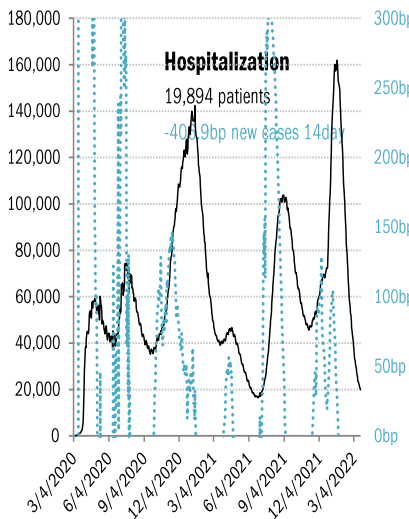
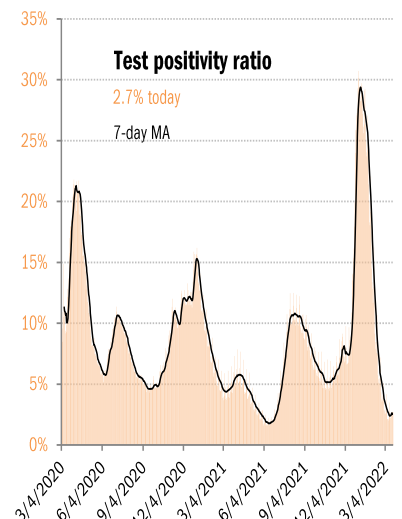
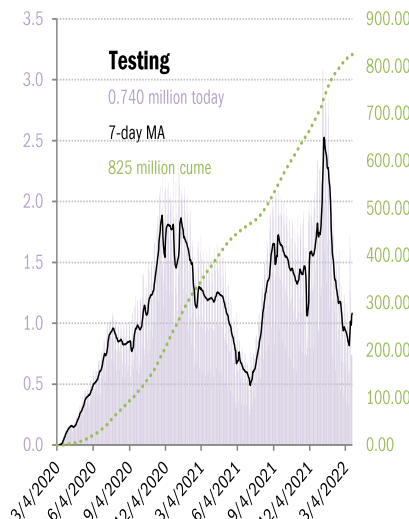
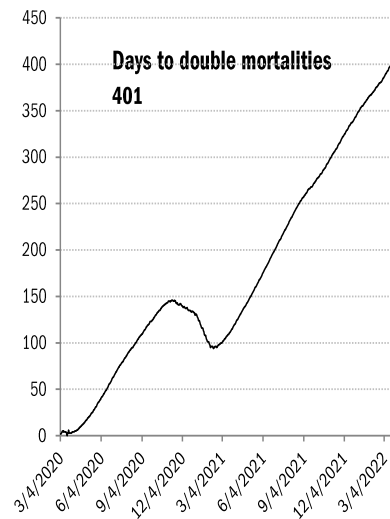
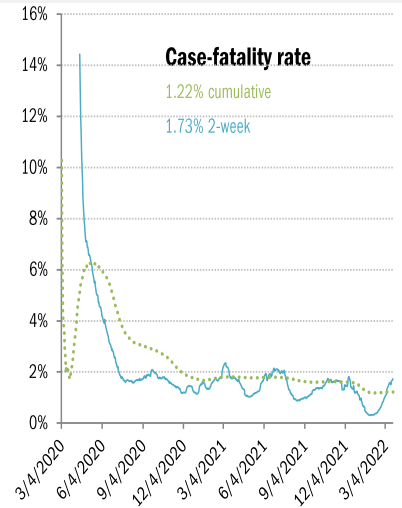
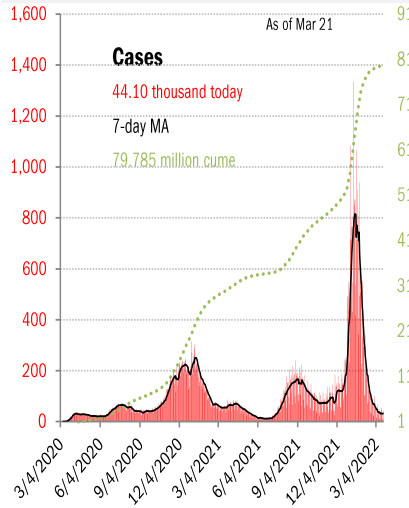
The demographics of US vaccination



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

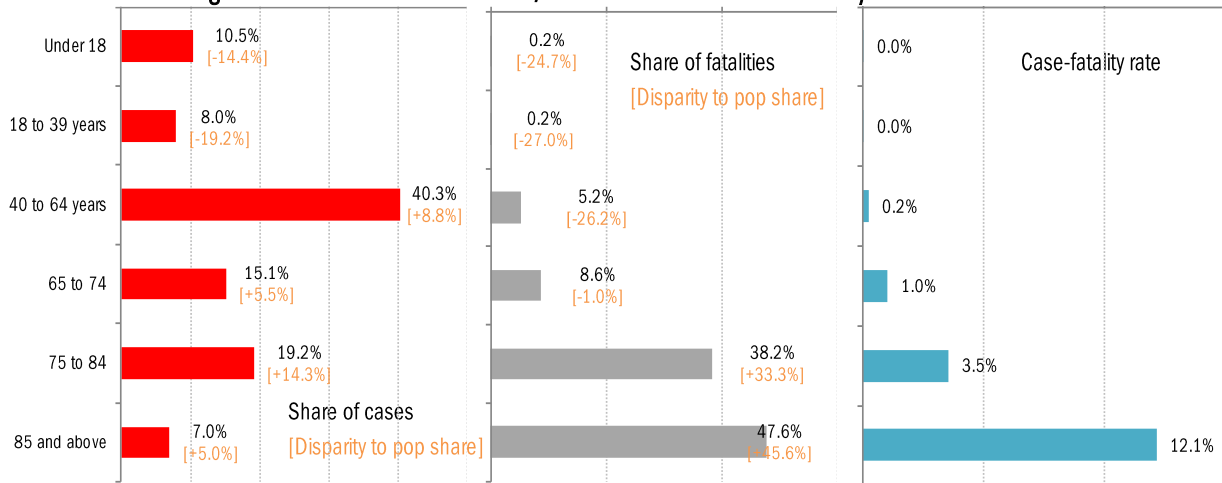
US deep-dive

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

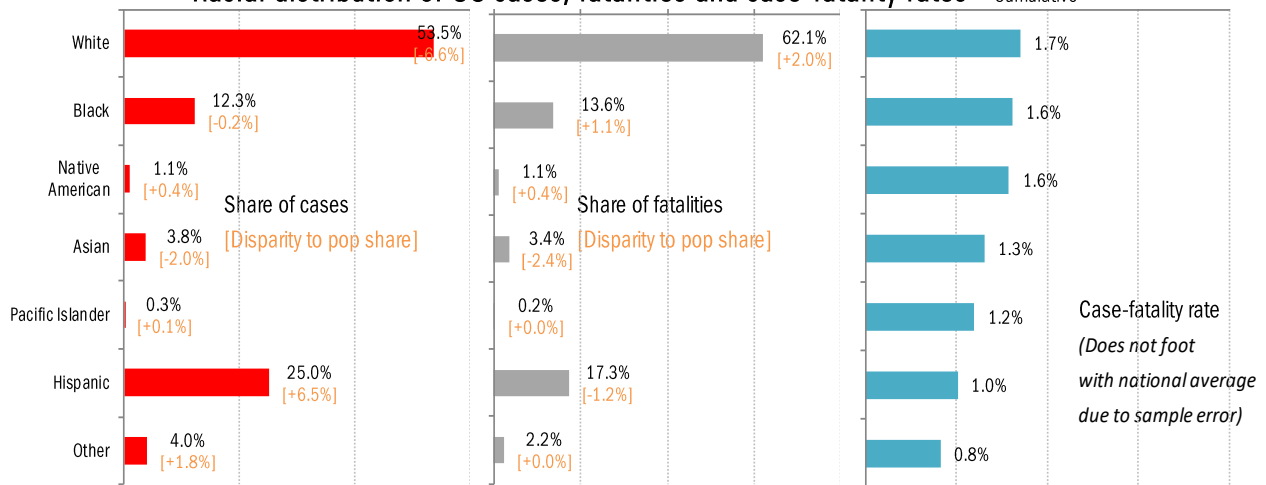


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

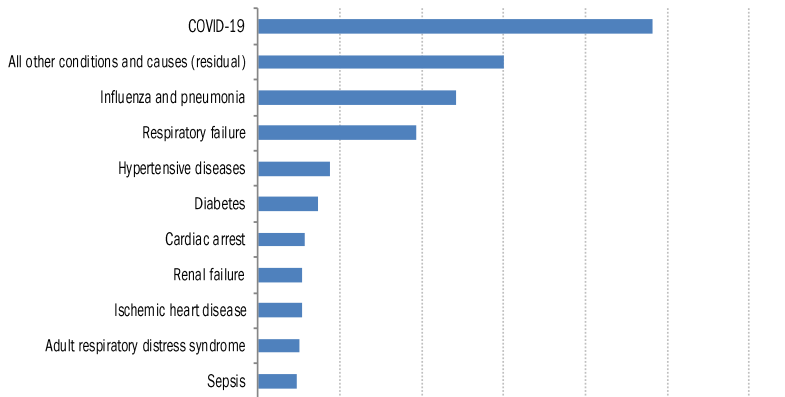


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Mar 13

For over 5% of these deaths, COVID-19 was the only cause mentioned on the death certificate. For deaths with conditions or causes in addition to COVID-19, on average, there were 4.0 additional conditions or causes per death.

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

Recommended reading

[Neuropsychopharmacology \(NPP\) 2020 report on gender balance among corresponding authors and reviewers: before and during the COVID-19 pandemic](#)

Sofiya Hupalo
Neuropsychopharmacology
February 21, 2022

[High Death Rate in Hong Kong Shows Importance of Vaccinating the Elderly](#)

Benjamin Mueller
New York Times
March 21, 2022

[‘He Goes Where the Fire Is’: A Virus Hunter in the Wuhan Market](#)

Carl Zimmer
New York Times
March 21, 2022

[CDC reports fewer COVID-19 pediatric deaths after data correction](#)

Reuters
March 18, 2022

Meme of the day

How should you talk to friends and relatives who believe conspiracy theories?

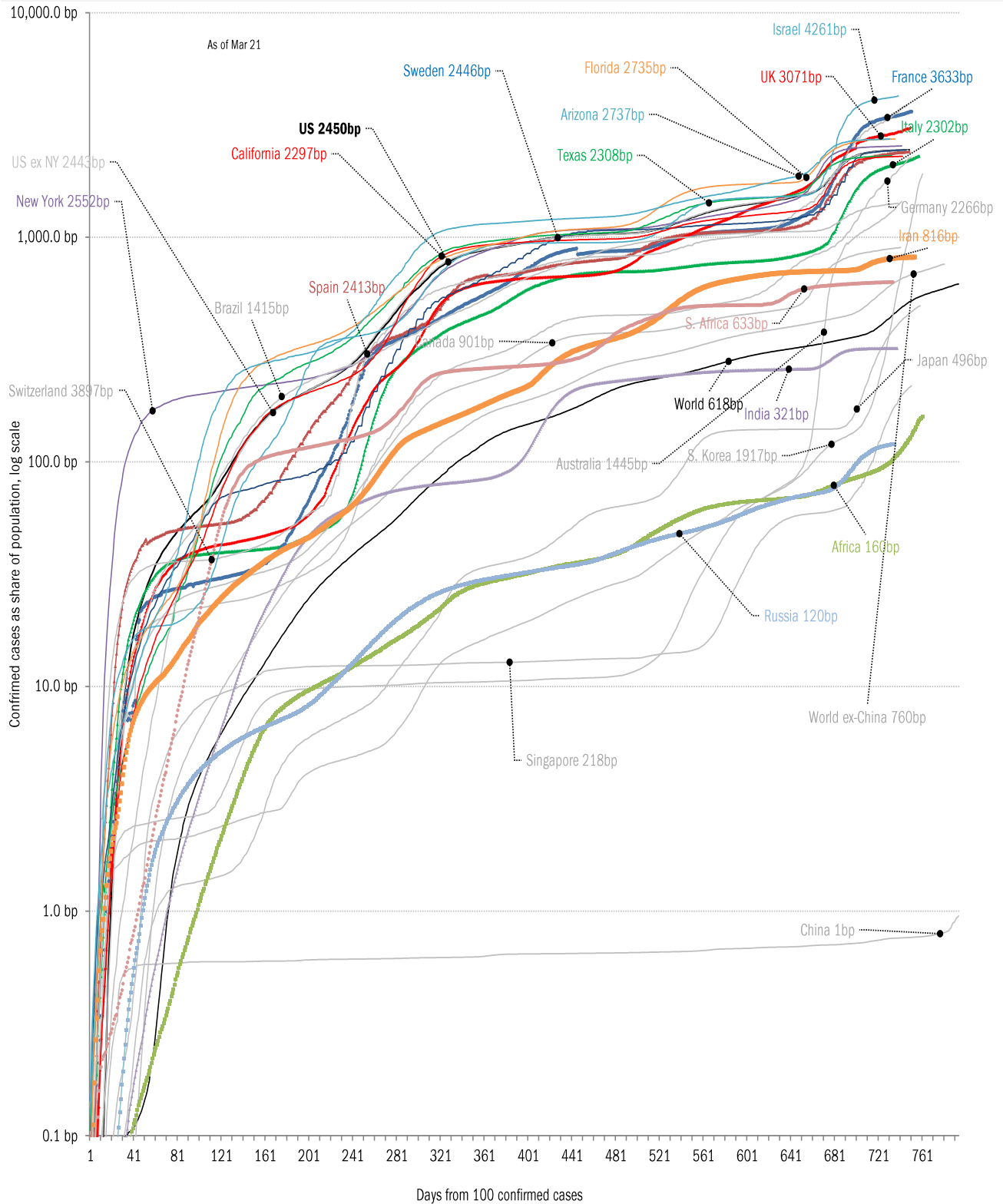
By Marianna Spring
Specialist disinformation reporter

at TheFreeThoughtProject



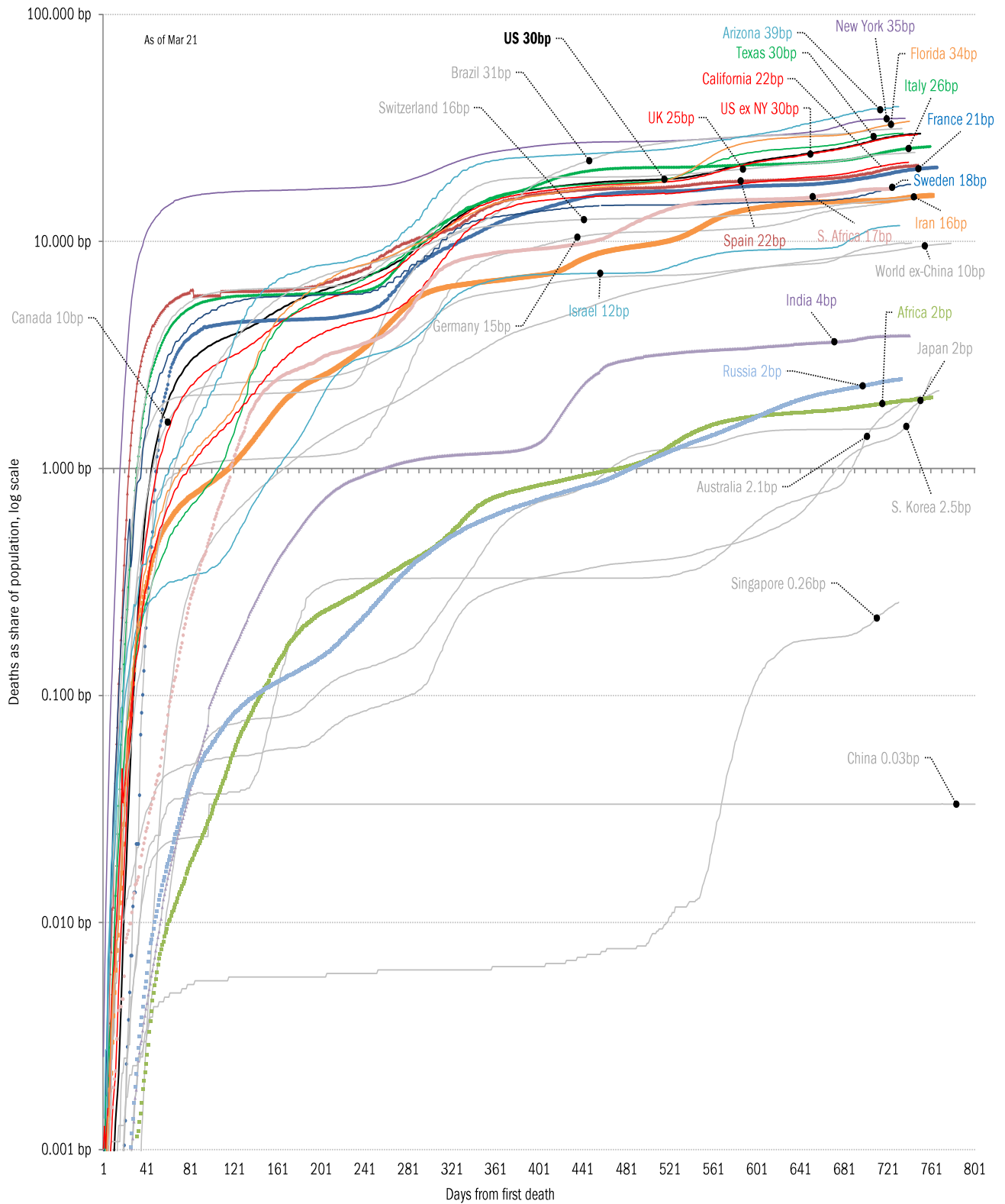
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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, log scale

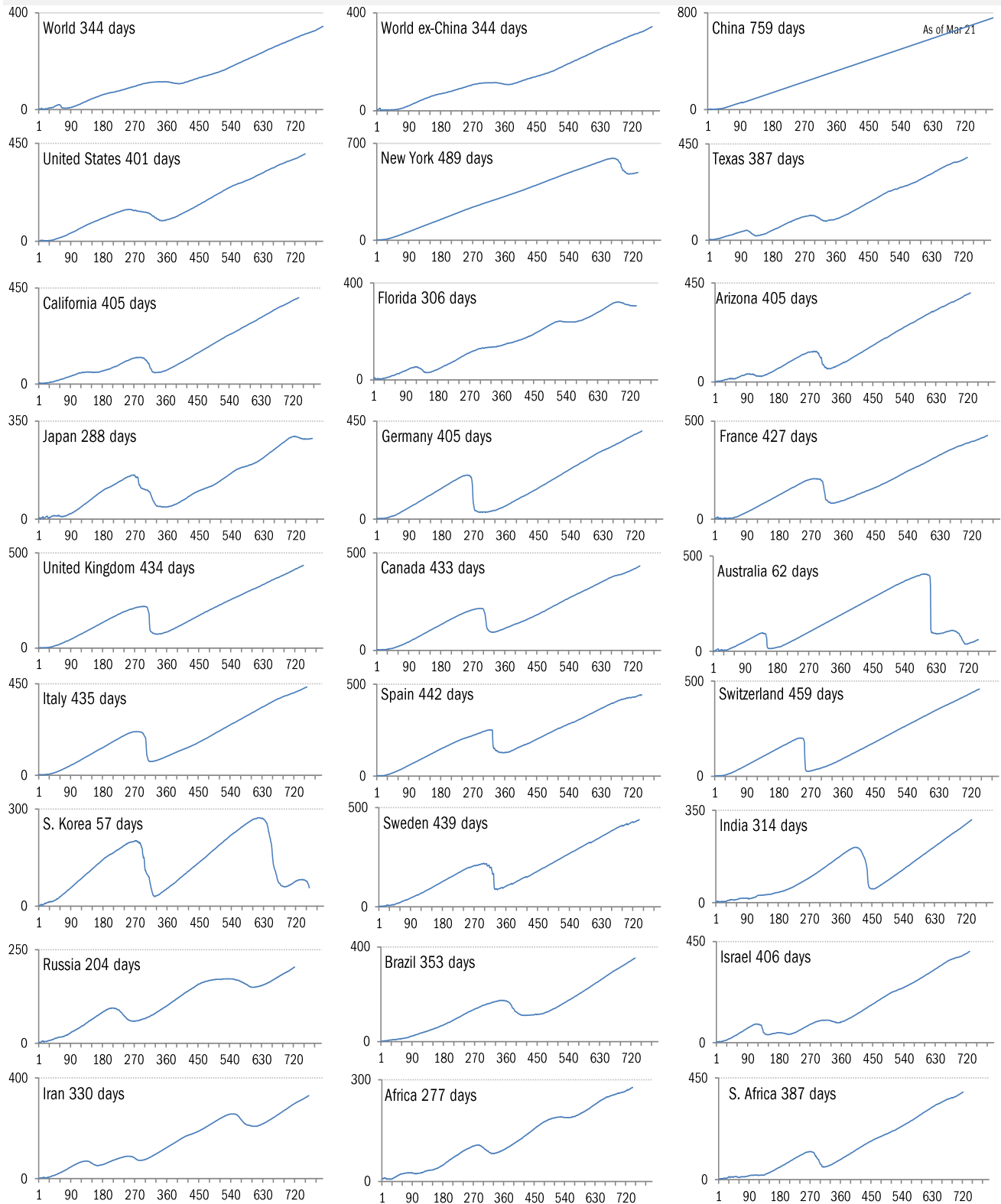


Source: [Johns Hopkins](#), TrendMacro calculations

"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

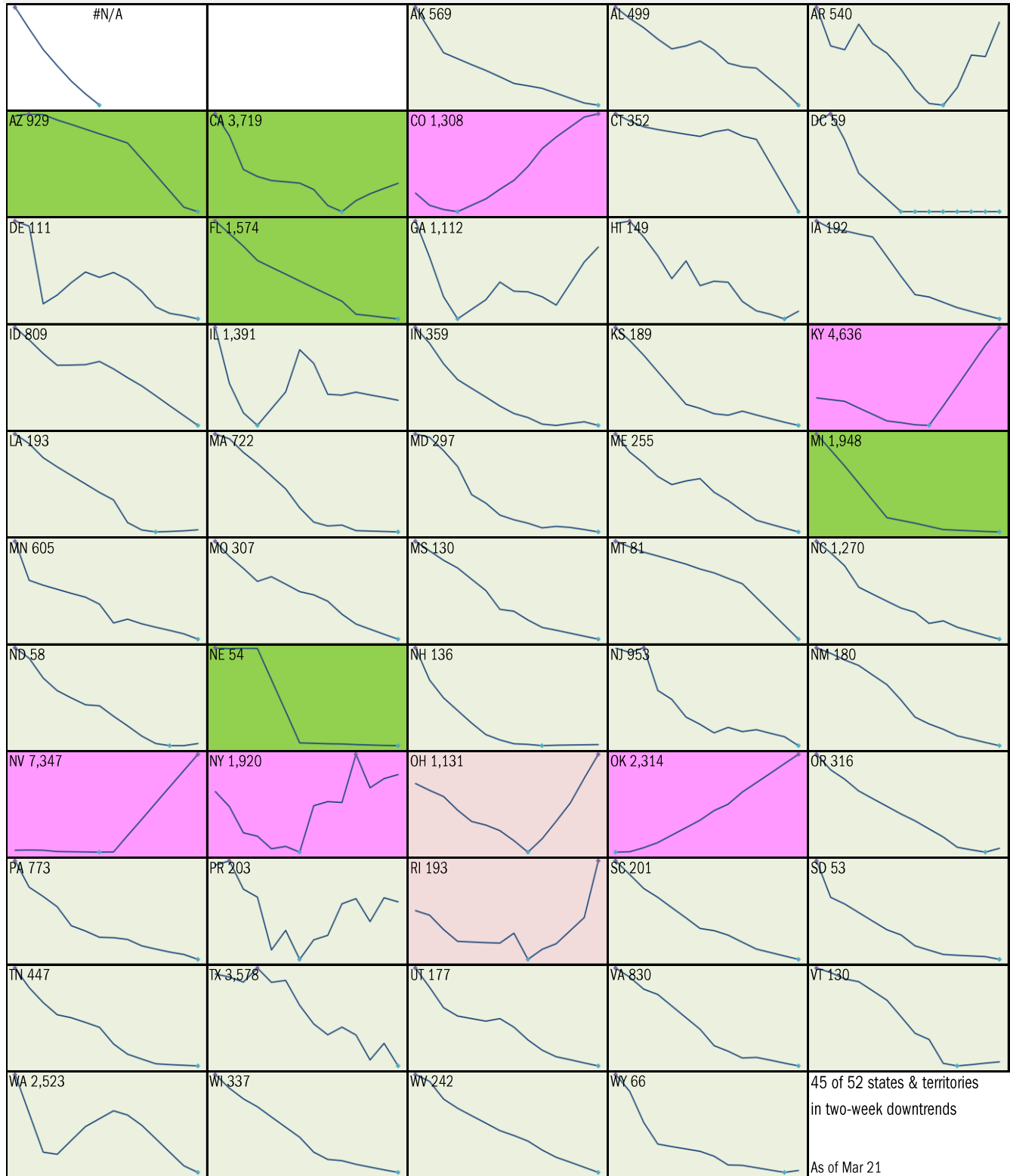


Source: [Johns Hopkins](#), TrendMacro calculations

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

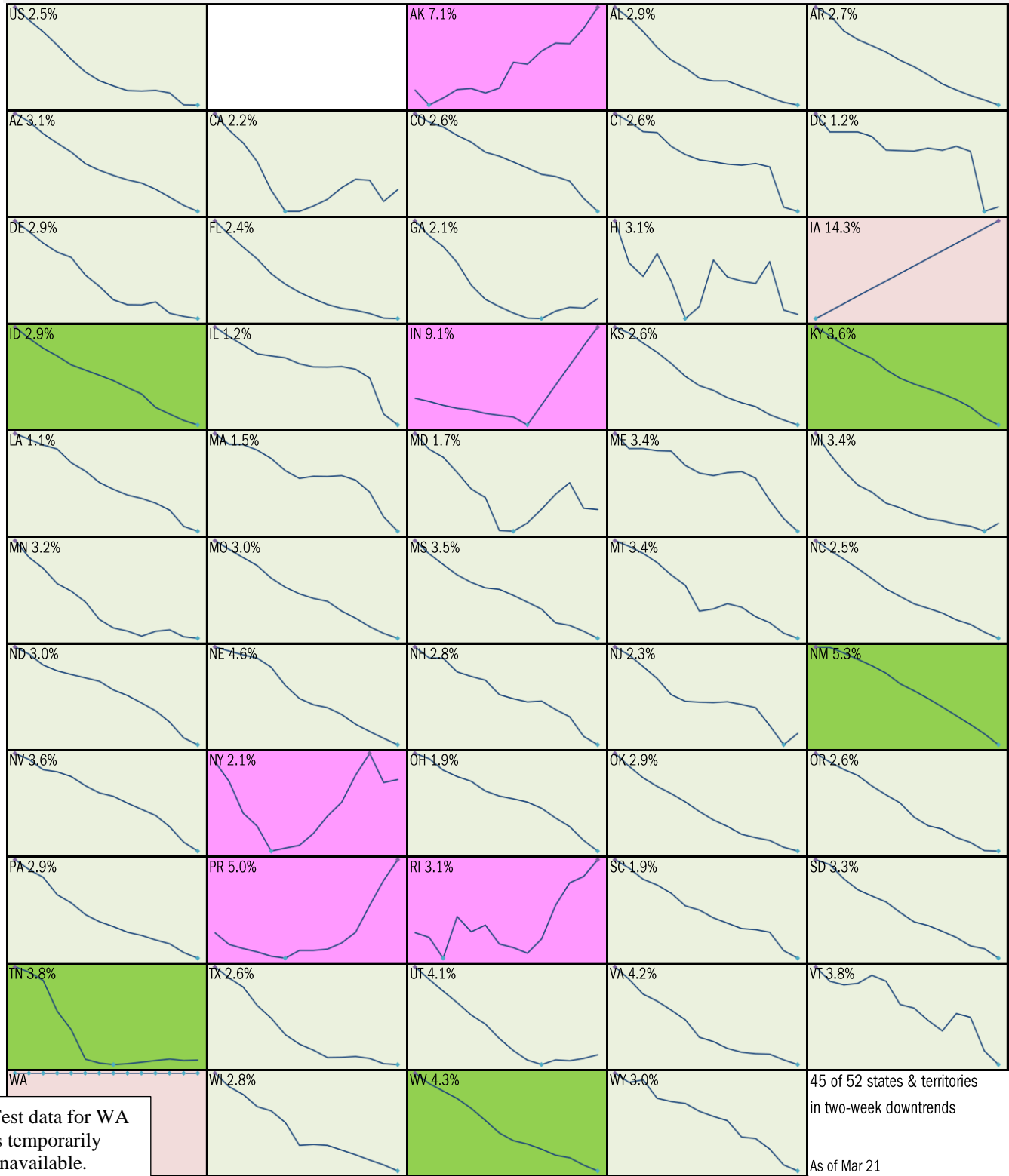


Source: [Johns Hopkins](#), TrendMacro calculations

14-day "downward trajectory" in **test-positivity ratio**

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

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



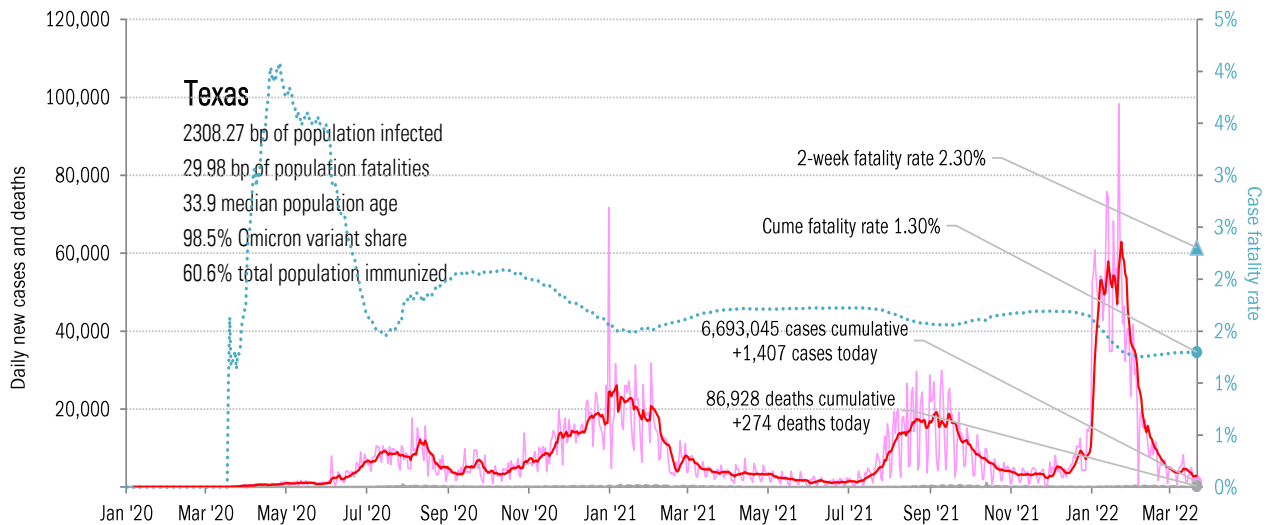
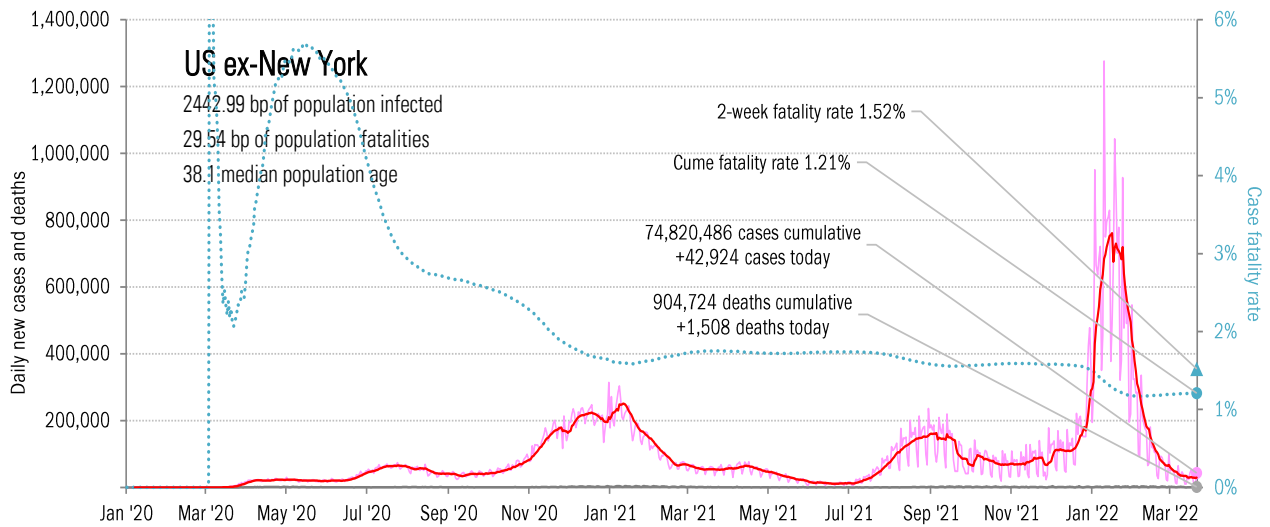
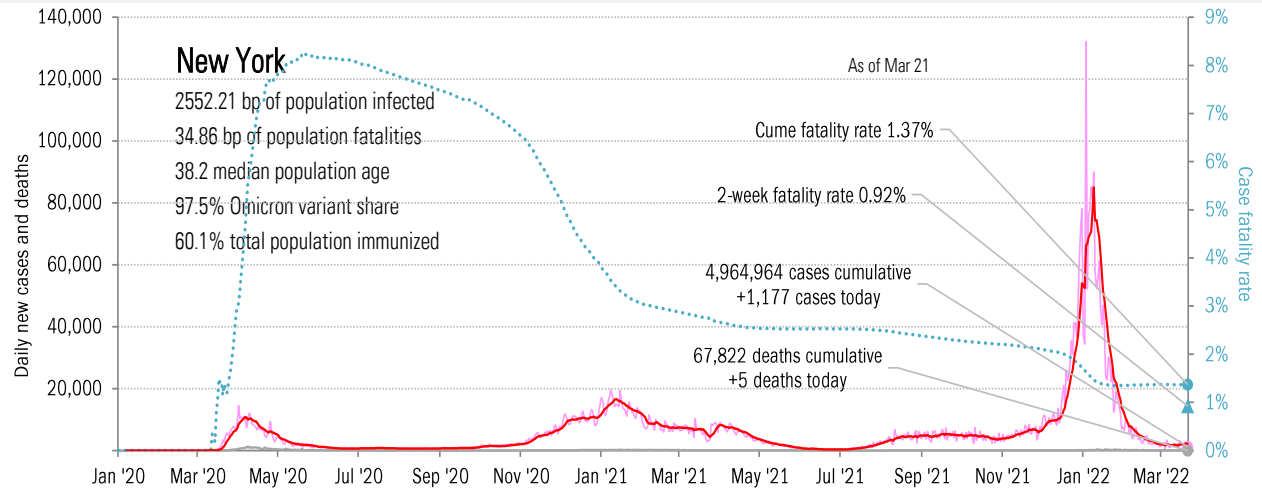
Test data for WA is temporarily unavailable.

45 of 52 states & territories in two-week downtrends
As of Mar 21

Source: [Covid Act Now](https://covidactnow.com), TrendMacro calculations

From Ground Zero to the Rio Grande

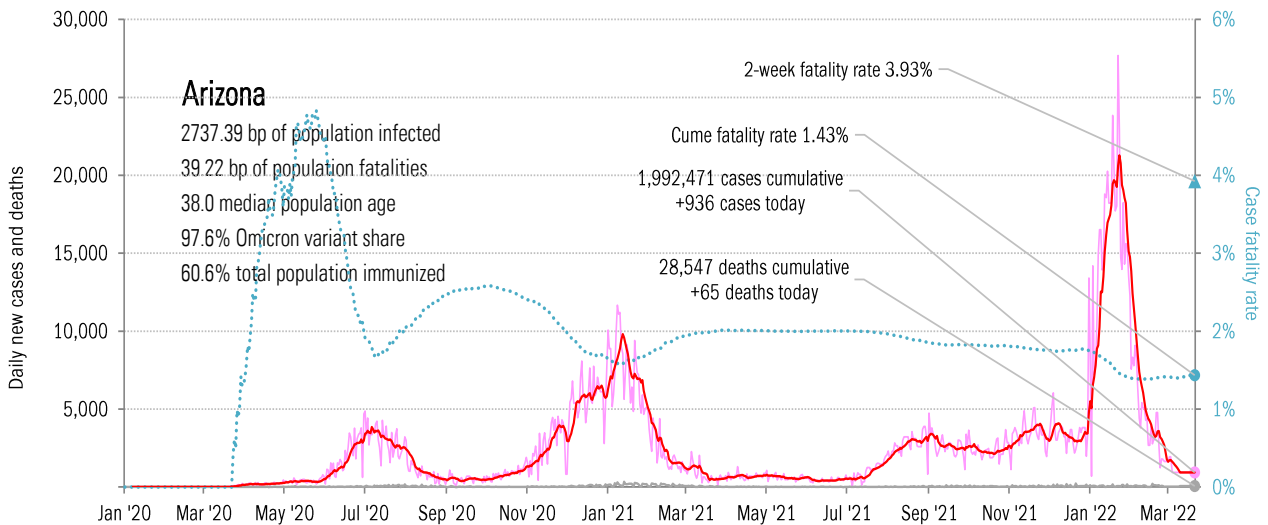
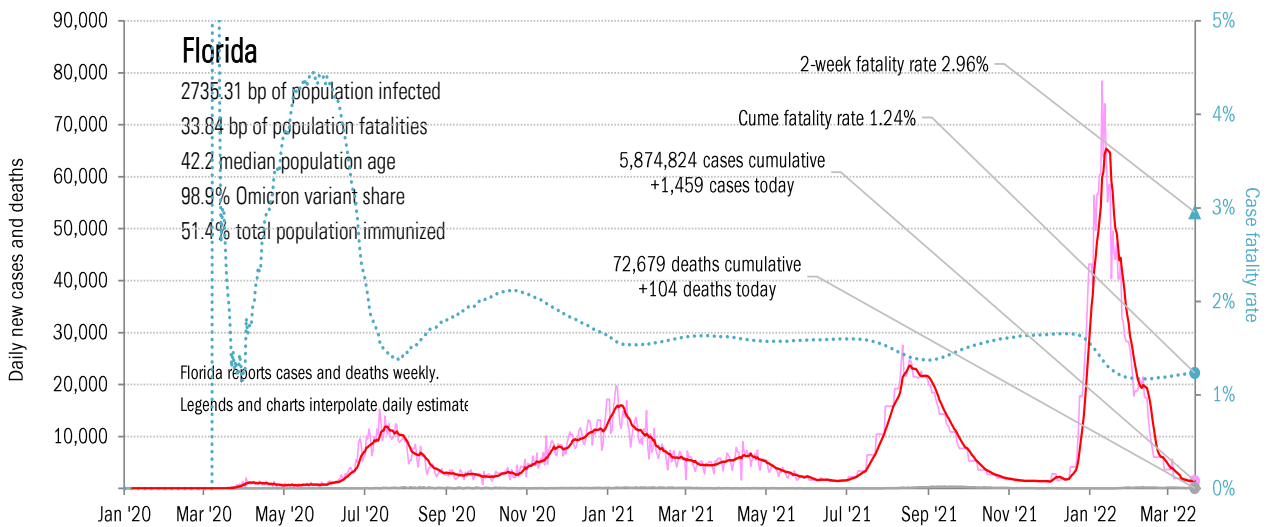
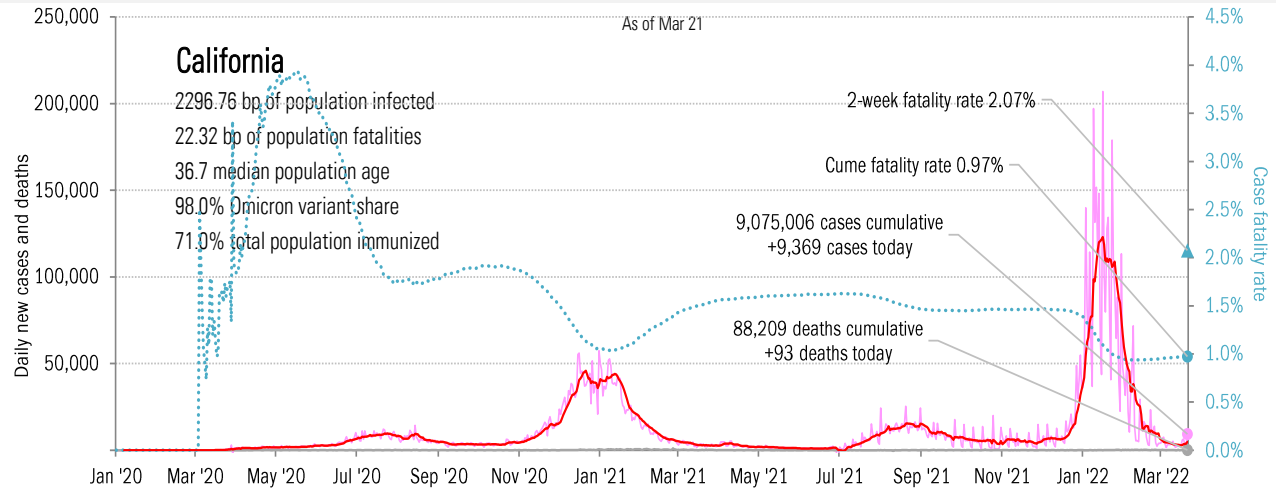
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

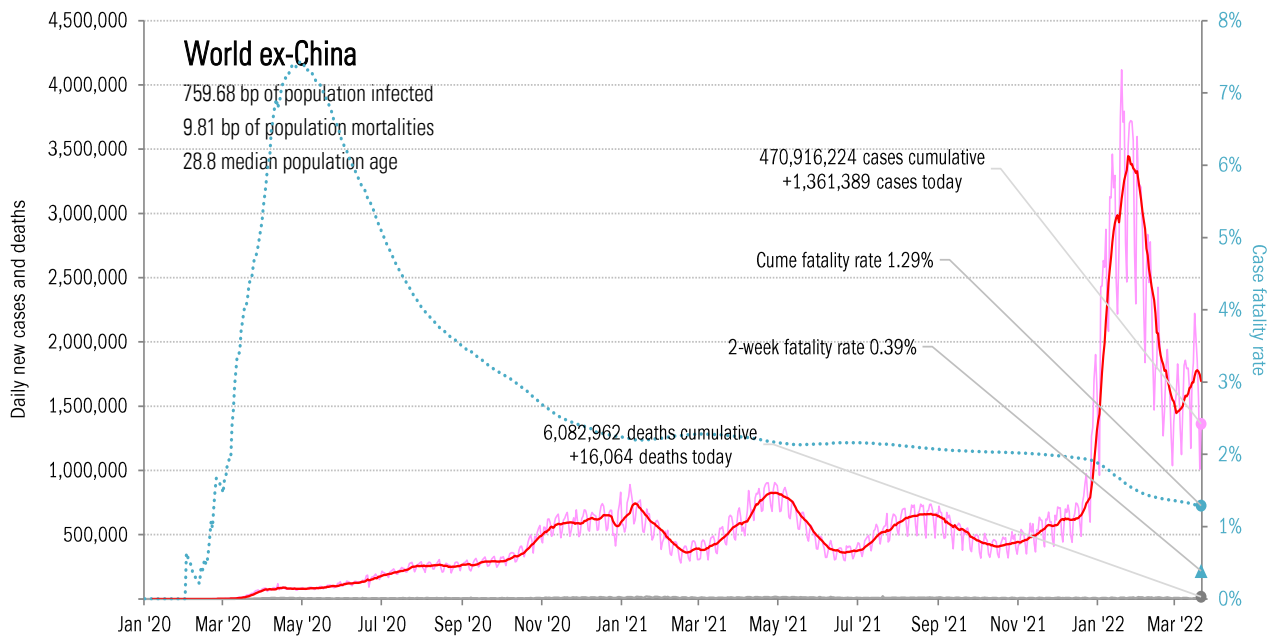
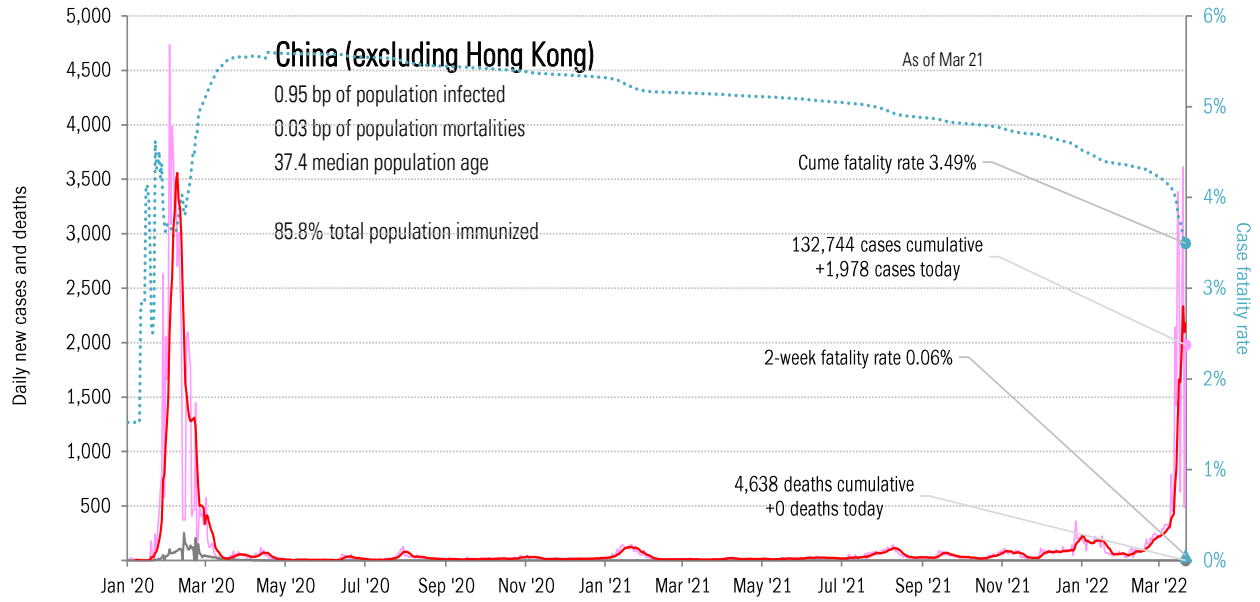
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

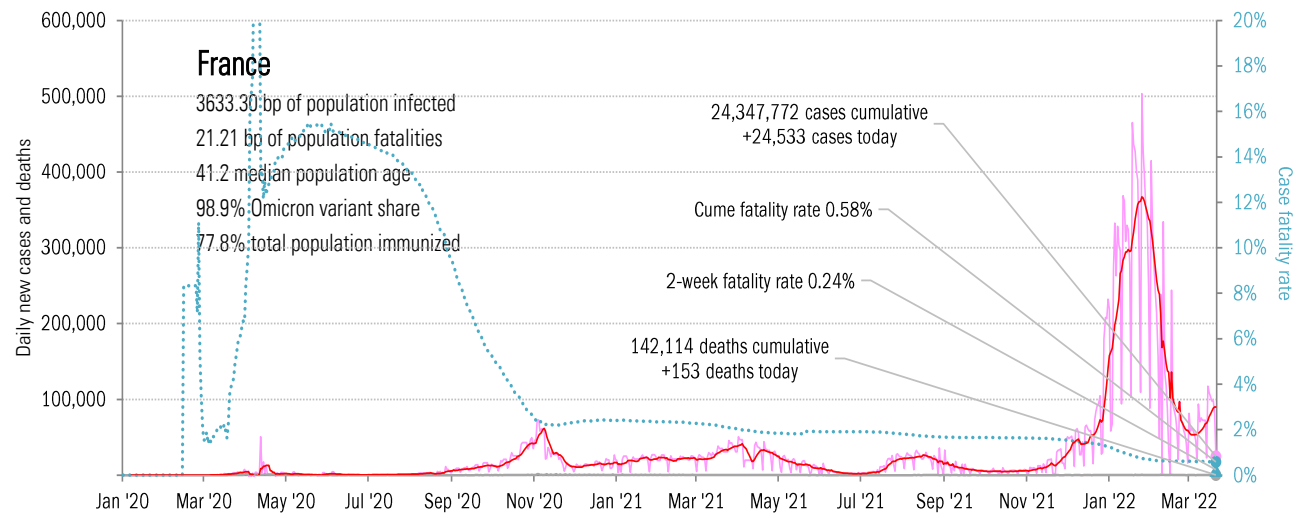
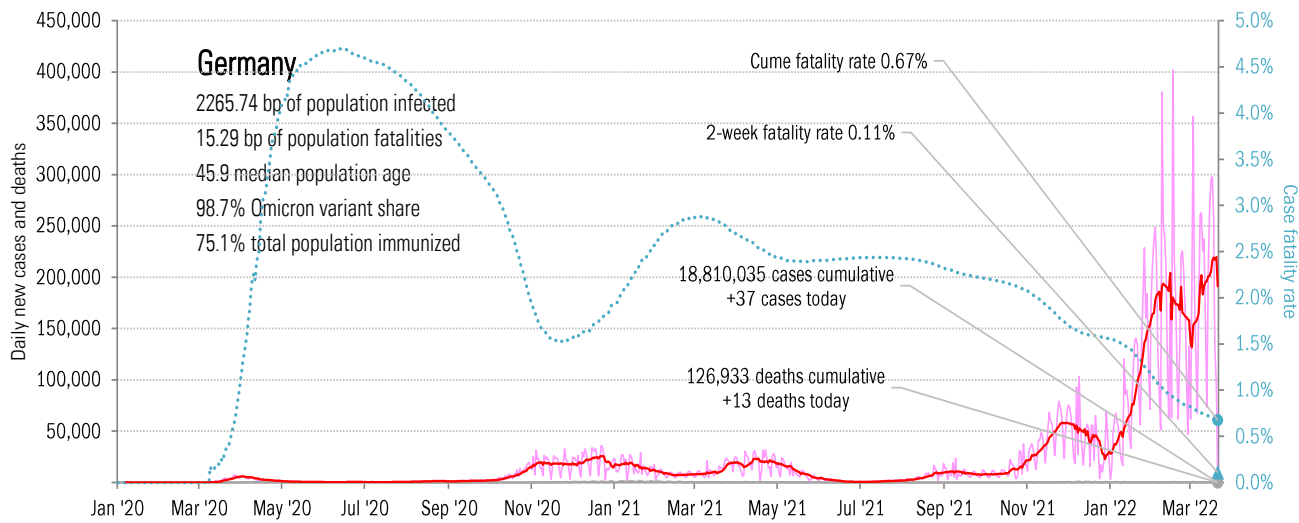
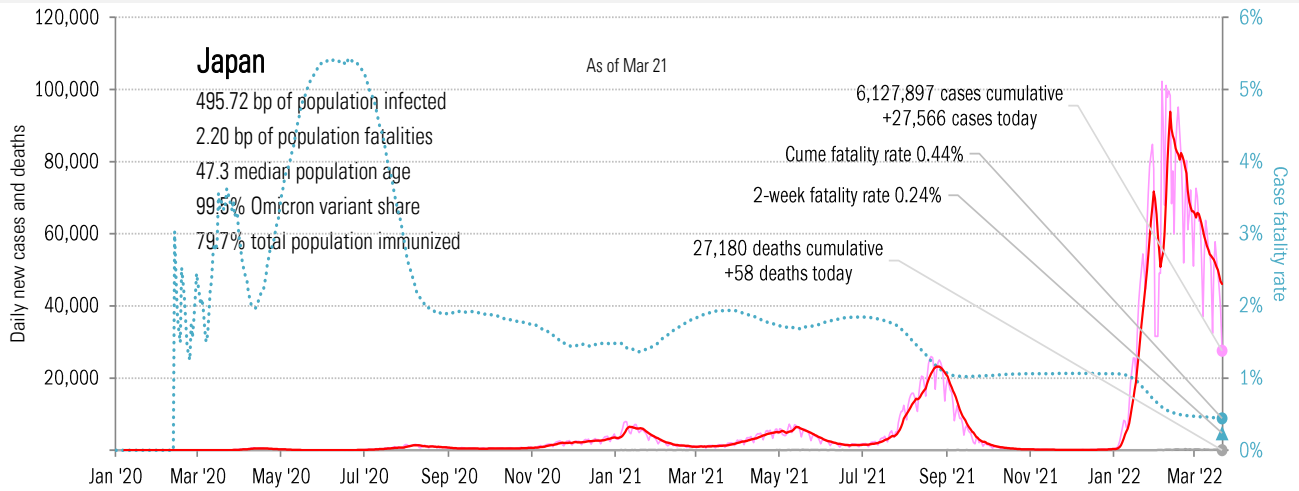
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

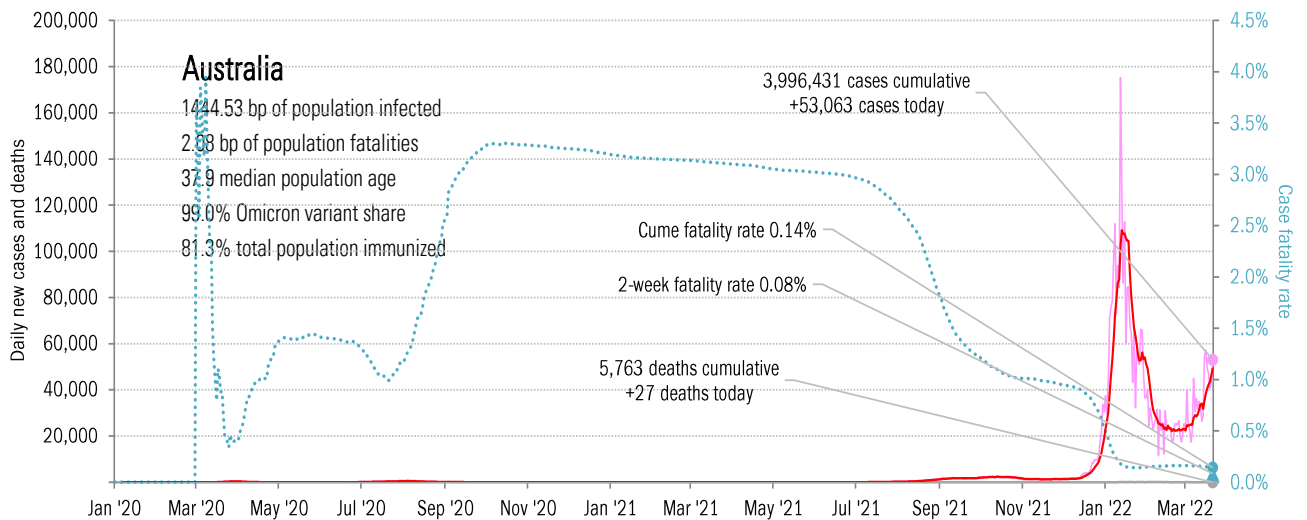
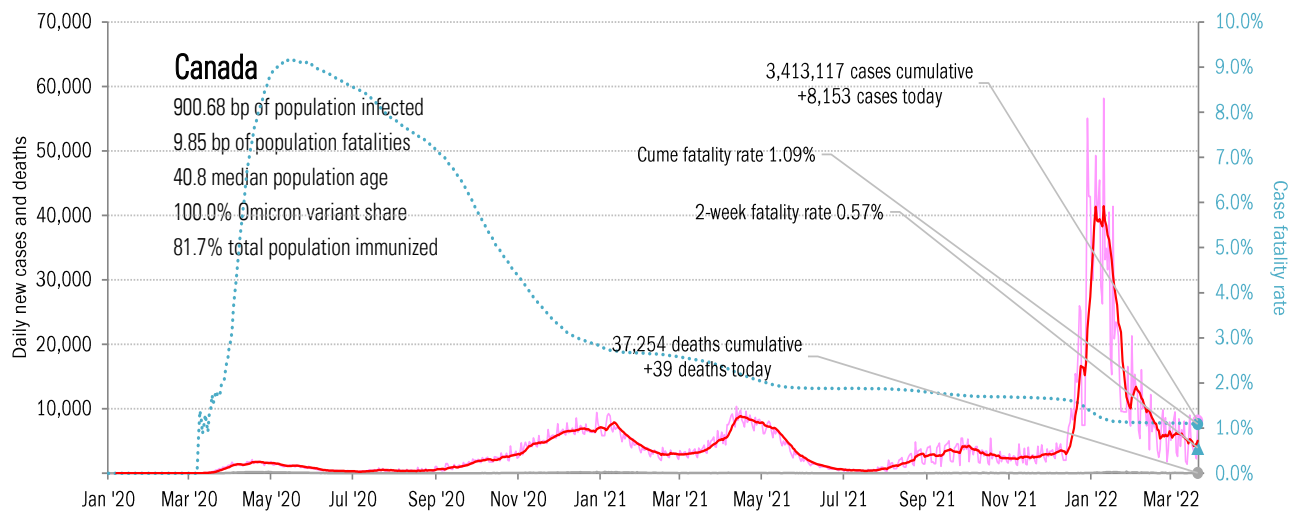
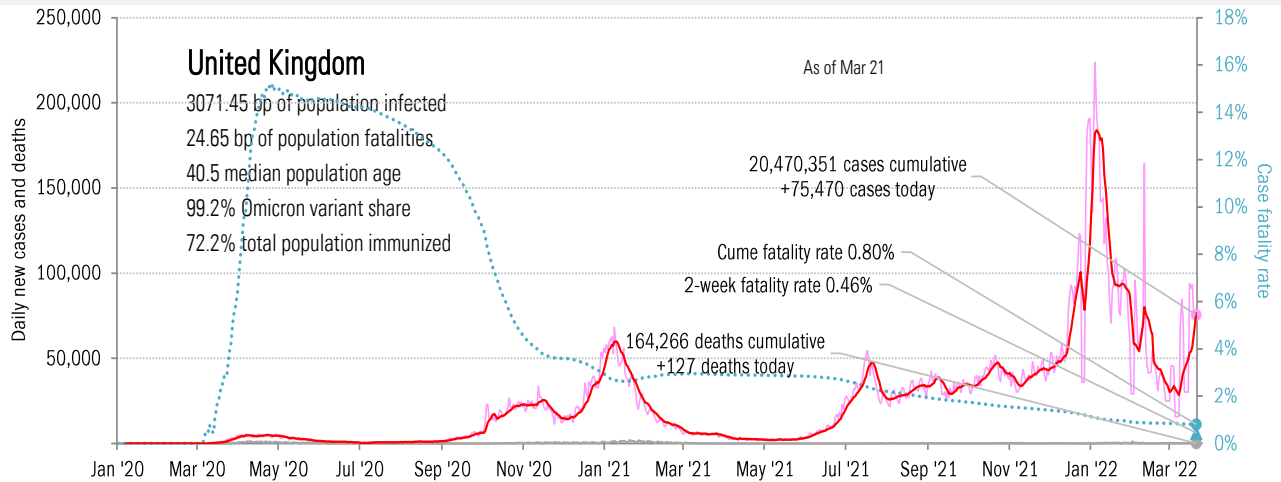
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

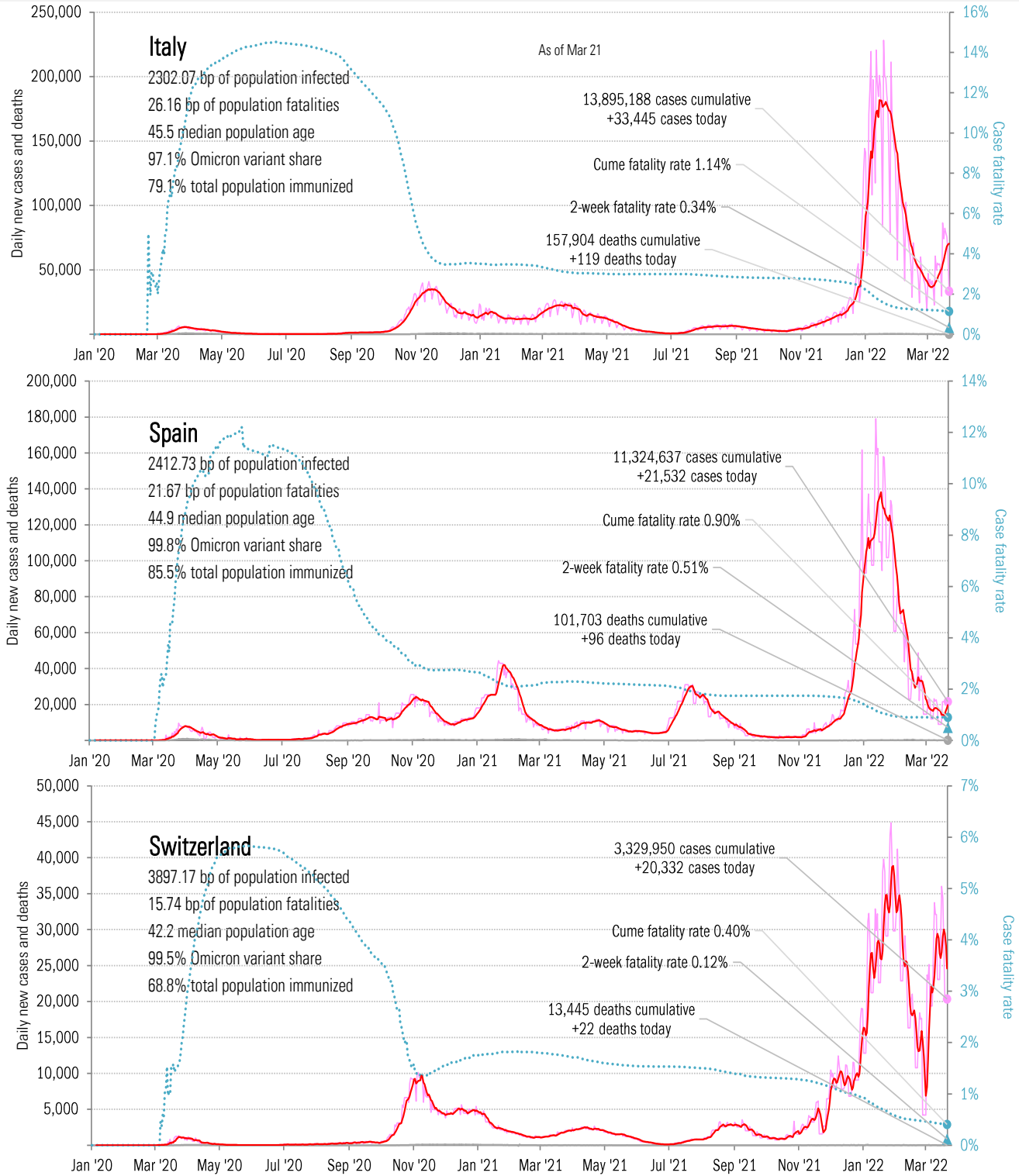
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

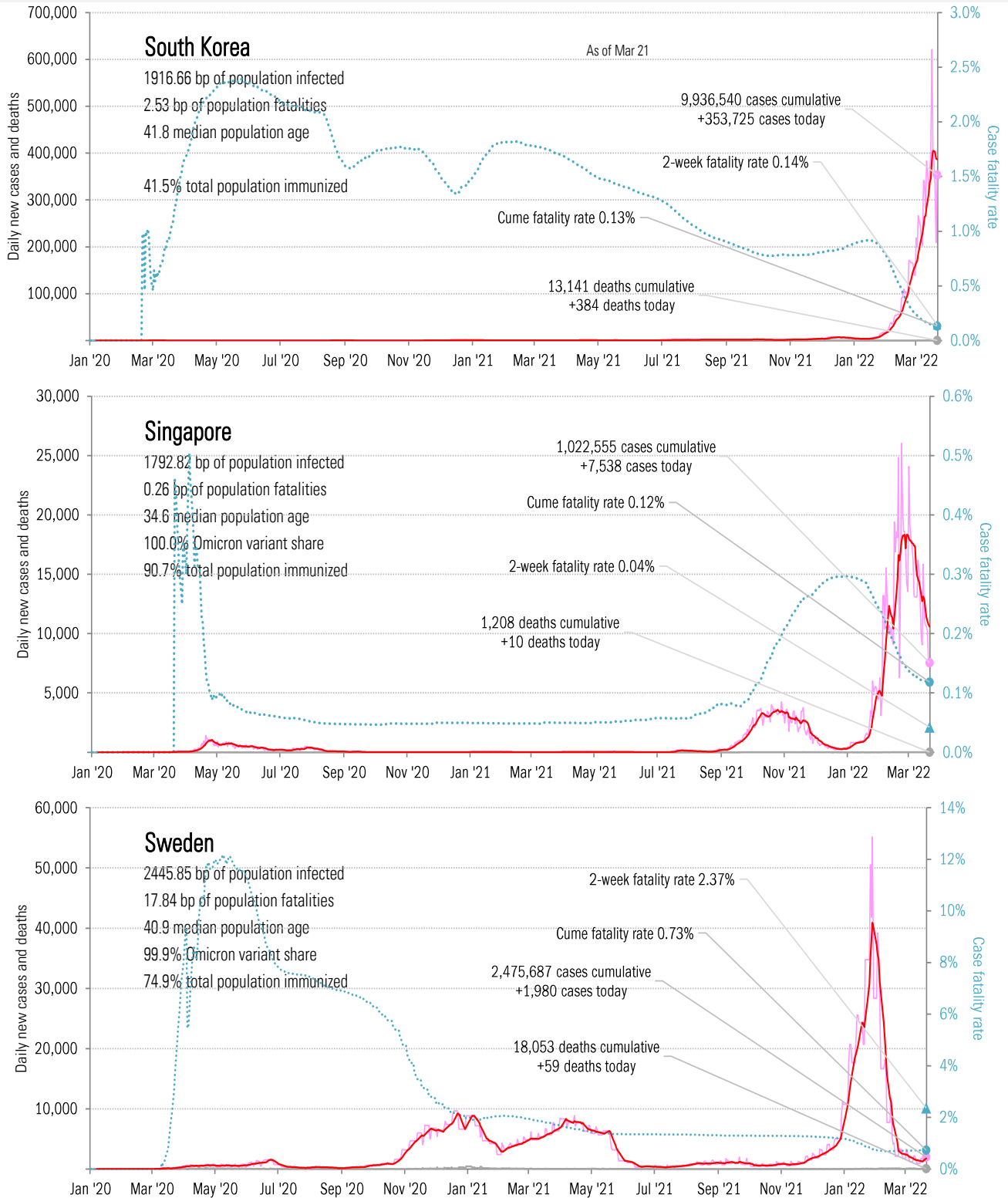
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

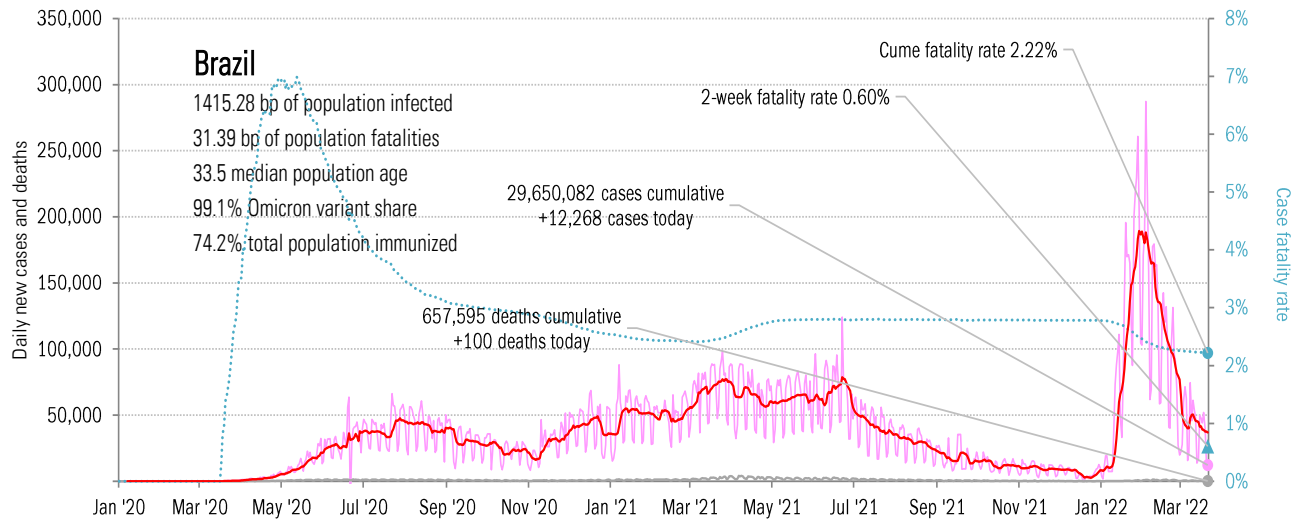
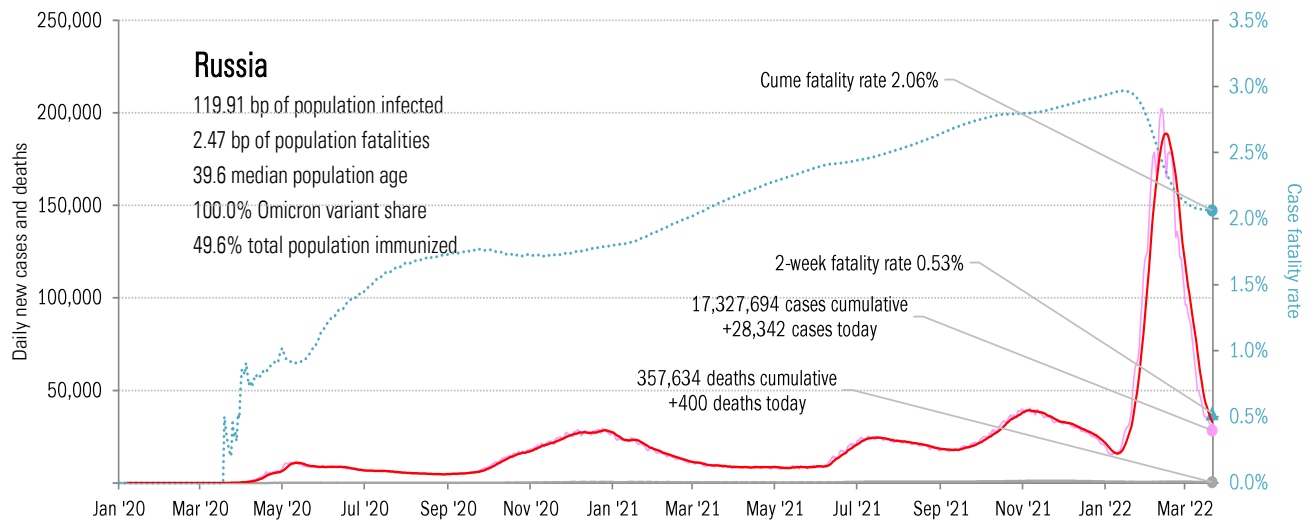
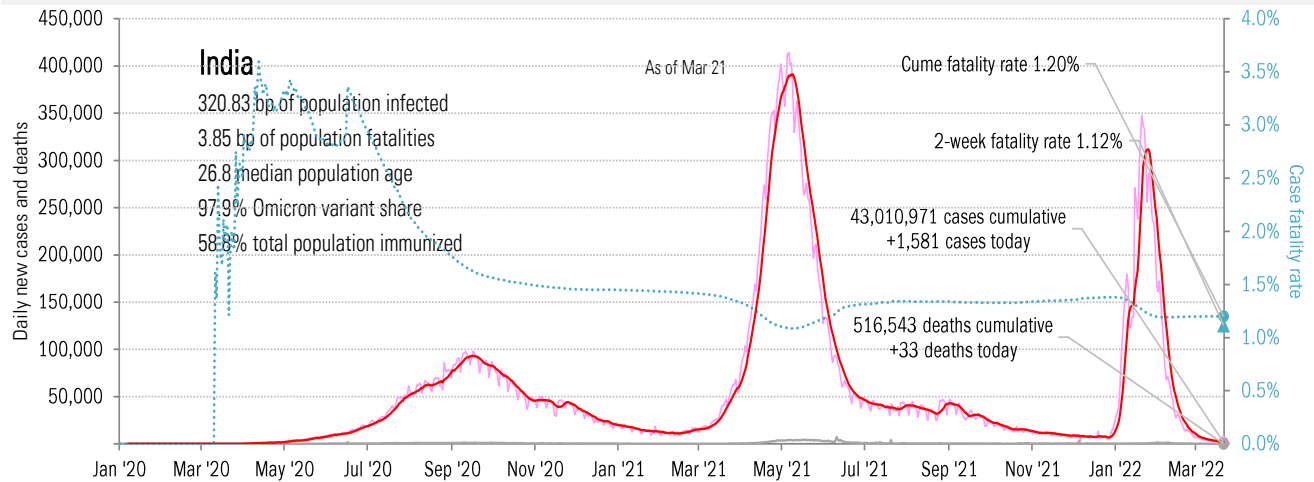
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

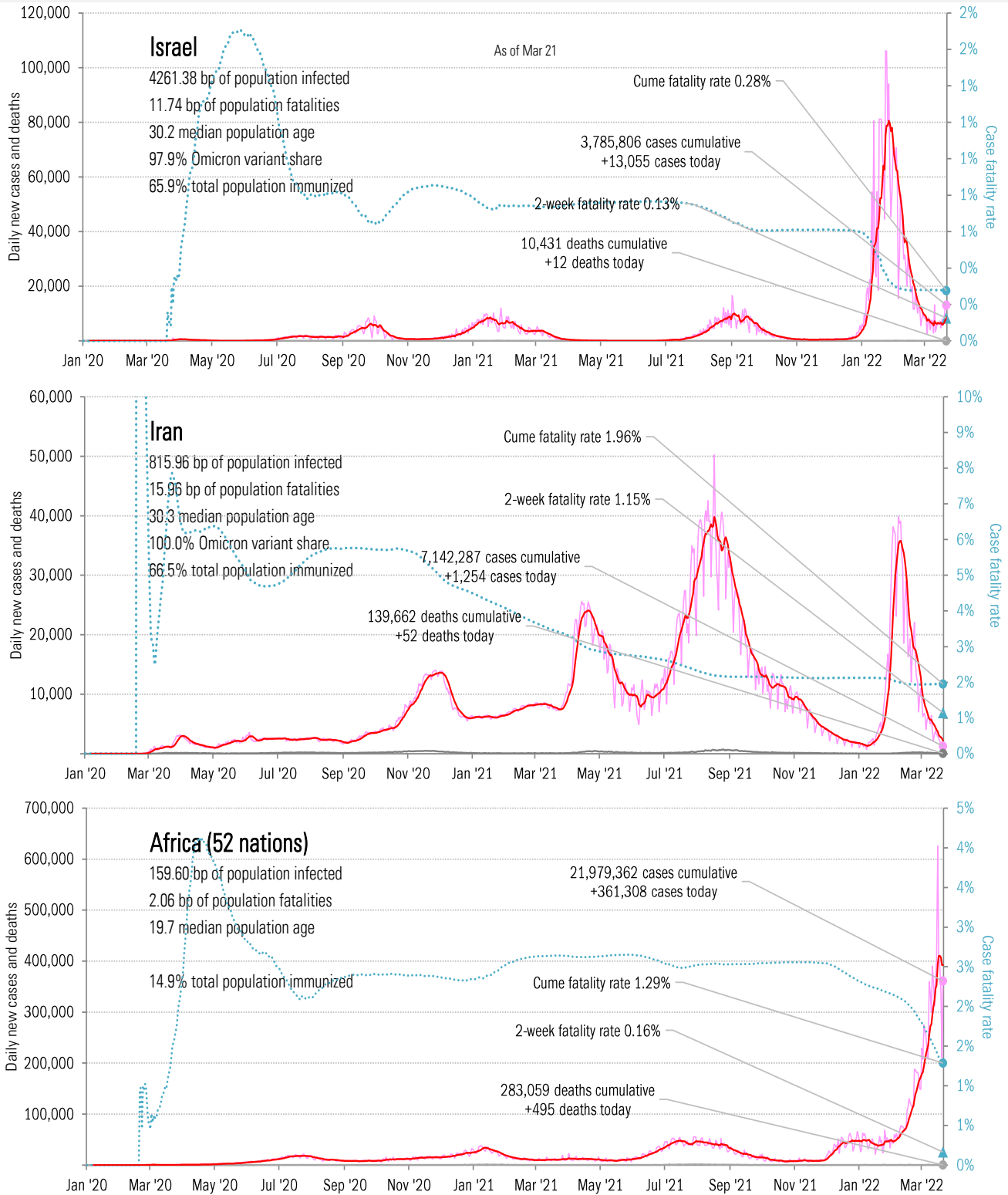
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

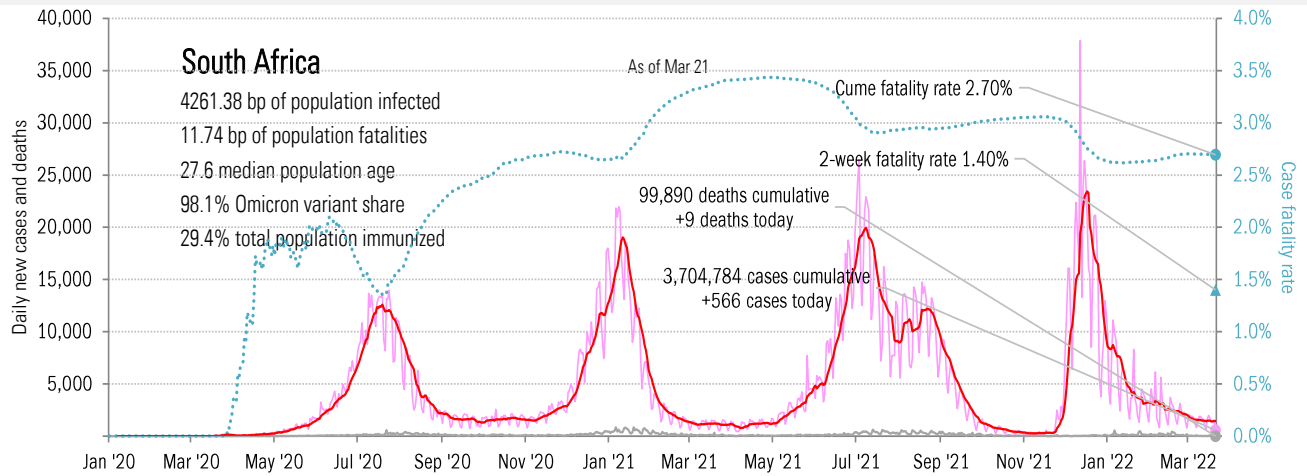
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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