

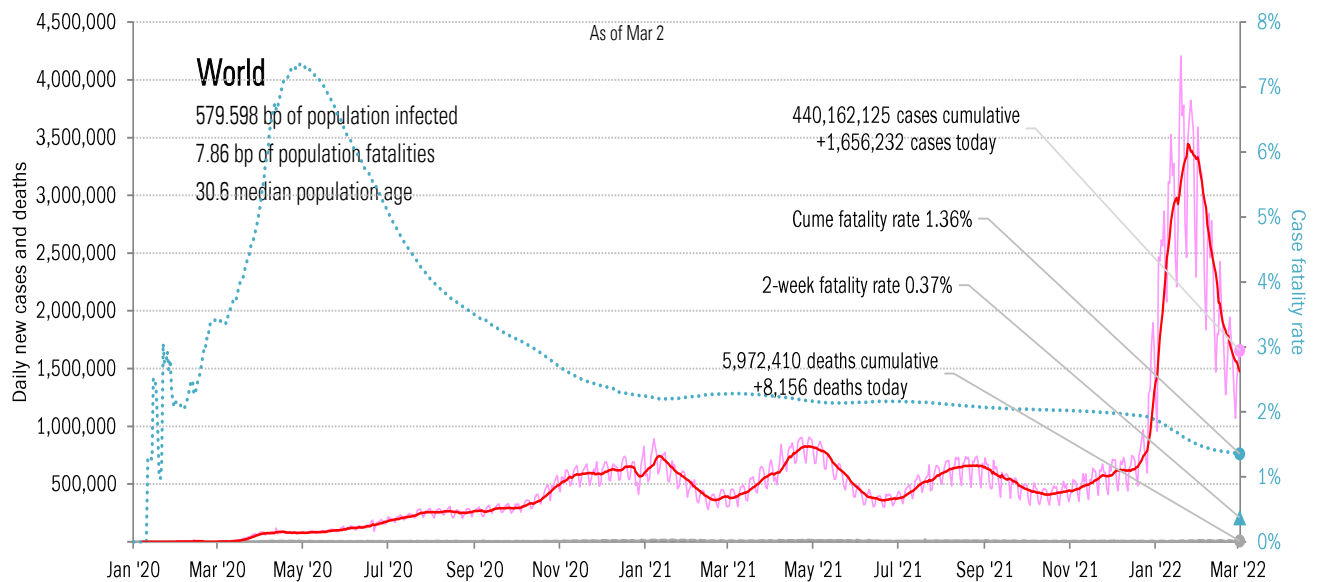
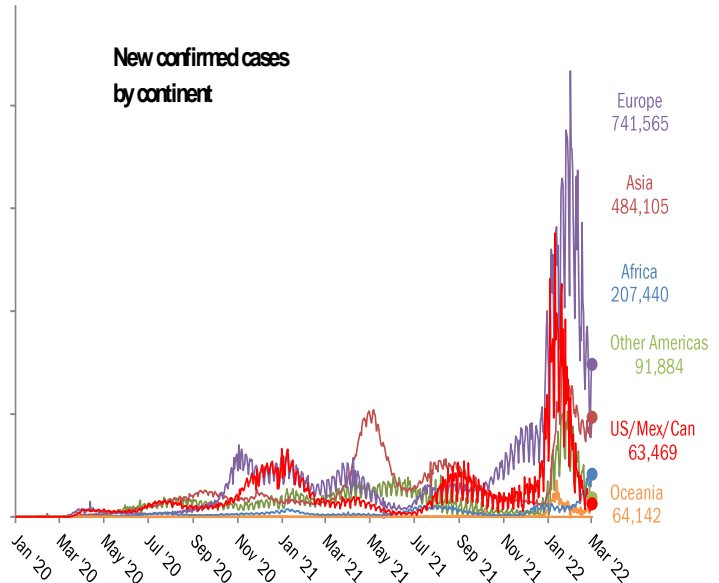
Data Insights: Covid-2019 Monitor

Thursday, March 3, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Germany	199,654	United States	2,280
Korea, South	198,802	Russia	770
Vietnam	151,852	Indonesia	376
Russia	96,180	Brazil	332
Japan	72,569	Germany	287
France	58,343	Poland	278
Turkey	56,780	Japan	235
United States	55,982	Italy	214
China	55,568	Iran	203
Netherlands	48,551	Turkey	189
994,281		5,164	
World	1,656,232	World	8,156
Top ten	60%	Top ten	63%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

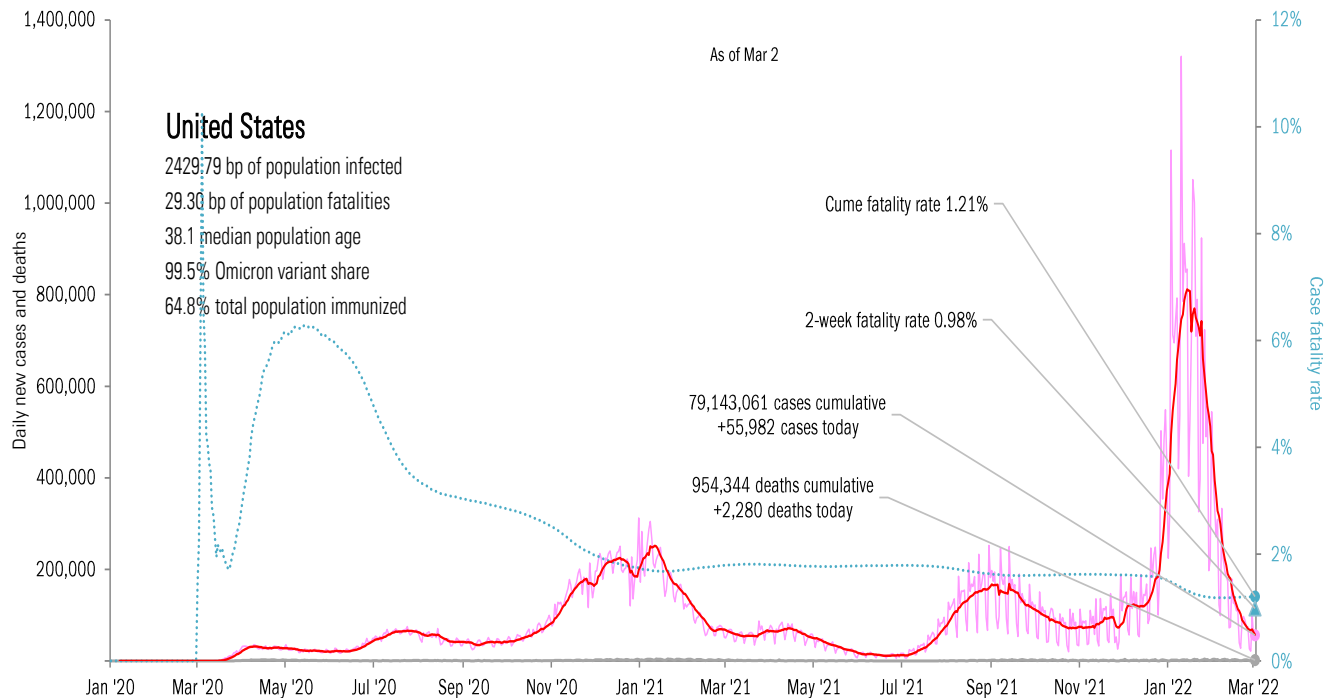
The ten worst US states

New cases			New Deaths		New in hospital		Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use		
CA	5,420		CA	270	NY	498	CA	8,987,156	CA	85,827	TX	480,848	NV	90%	AK	87%				
TX	4,080		MI	261	GA	22	TX	6,626,391	TX	85,260	CA	415,617	WA	84%	AL	86%				
FL	3,627		TX	210	VI	8	FL	5,843,441	FL	70,073	FL	409,074	GA	84%	TX	85%				
MI	3,120		FL	185	AK	2	NY	4,928,597	NY	67,447	NY	242,489	RI	84%	NM	85%				
WA	3,023		PA	89	AS	0	IL	3,034,701	PA	43,421	GA	202,575	MN	84%	KY	84%				
KY	2,307		WA	88	GU	0	PA	2,759,653	CH	36,822	CH	188,143	MA	83%	NV	83%				
NC	2,243		IA	86	ME	0	CH	2,656,162	GA	35,601	PA	173,326	WV	83%	MS	83%				
NY	1,889		GA	72	MP	0	NC	2,592,991	IL	35,281	IL	154,402	MO	80%	VW	82%				
TN	1,804		LA	71	NJ	0	GA	2,467,923	MI	34,766	MI	138,630	AK	80%	VT	80%				
ID	1,738		TN	69	PR	0	MI	2,363,519	NJ	32,966	KY	138,390	FL	80%	AR	80%				
29,261			1,401		530		42,260,534			527,464			2,543,494							
All states	55,982		2,280		-836		All states	79,143,061	954,344		4,612,315		All states	70%	67%					
Top ten	52%		61%		-63%		Top ten	53%	55%		55%		Median	75%	74%					

Some states not reporting

Five most improved US states

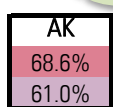
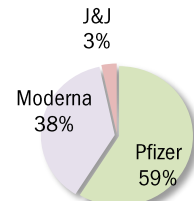
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
IA	-4,786	MO	-142	KY	-43	NC	+20 bp
MN	-1,537	MS	-46	MO	-26	AZ	+10 bp
TX	-1,105	GA	-42	UT	-22	DE	+10 bp
TN	-605	SC	-31	WA	-18	IA	+10 bp
KY	-450	NE	-30	OK	-16	KS	+10 bp



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	568,722,093		+0.203 million	US	64.8%	76.4%
Boosters	95,796,498		+0.085 million	UK	71.9%	77.2%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	261,384,829	78%	221,994,880	66%	+0.050 million	France 77.6% 80.0%
Age 12 to 17	17,347,084	69%	14,765,476	58%	+0.004 million	Spain 83.6% 87.9%
Age 18 to 64	176,194,102	87%	149,355,061	73%	+0.029 million	Germany 74.8% 75.7%
Age 65 and over	58,201,530	100%	50,357,934	92%	+0.004 million	Italy 78.7% 83.9%
						Australia 79.5% 85.6%
						Israel 65.9% 72.1%
						Canada 81.2% 85.6%
						Japan 79.5% 80.7%
						Africa 12.2% 18.5%
						India 56.9% 69.3%
						Brazil 72.5% 83.1%
						China 85.5% 87.9%



State
At least partial immunity as % population
Full immunity as % population

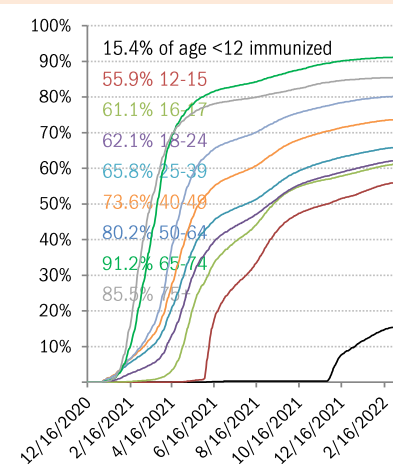
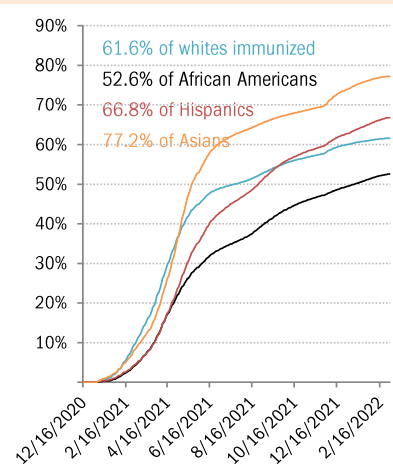
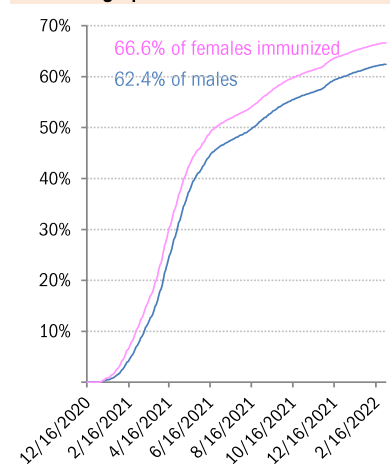


Global data differs due to sources, timing

As of Mar 2

State	At least partial immunity as % population	Full immunity as % population
AK	68.6%	61.0%
WI	71.1%	64.6%
ME	89.2%	78.4%
WA	79.8%	71.5%
ID	60.3%	53.2%
MT	64.5%	56.0%
ND	64.5%	54.5%
MN	74.4%	68.3%
IL	76.0%	67.5%
MI	66.1%	59.3%
NY	89.0%	75.6%
VT	92.6%	80.1%
NH	95.0%	68.1%
OR	77.0%	68.7%
NV	74.1%	59.8%
WY	58.0%	50.6%
SD	75.0%	59.9%
IA	67.3%	61.2%
IN	60.7%	54.1%
OH	62.9%	57.6%
PA	83.4%	67.1%
NJ	89.1%	74.3%
MA	95.0%	77.7%
CA	82.0%	70.5%
UT	71.2%	63.3%
CO	78.4%	69.2%
NE	69.4%	62.5%
MO	65.4%	55.2%
KY	65.3%	56.5%
WV	64.2%	56.8%
VA	84.5%	72.0%
MD	85.0%	74.1%
CT	94.0%	77.8%
RI	95.0%	80.7%
AZ	71.5%	60.2%
NM	86.0%	69.7%
KS	73.5%	60.2%
AR	65.8%	53.5%
TN	61.4%	53.6%
NC	82.4%	59.4%
SC	66.6%	55.9%
DC	95.0%	71.6%
DE	81.8%	67.7%
OK	70.0%	56.1%
LA	60.2%	52.6%
MS	58.8%	51.0%
AL	61.9%	50.3%
GA	64.4%	53.7%
TX	71.2%	60.1%
HI	86.3%	77.3%
FL	78.1%	66.0%
PR	95.0%	81.5%

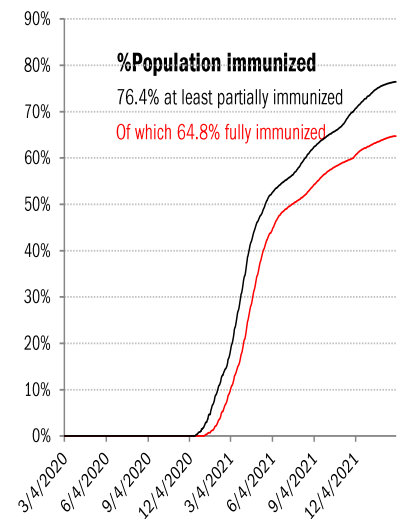
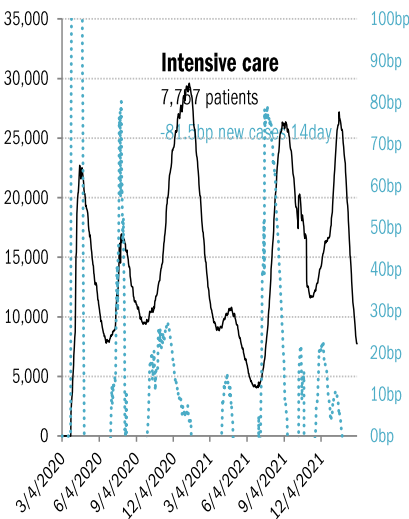
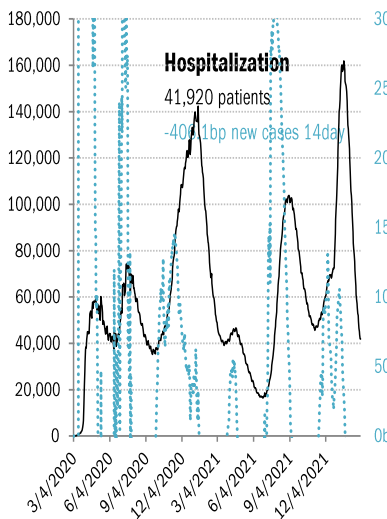
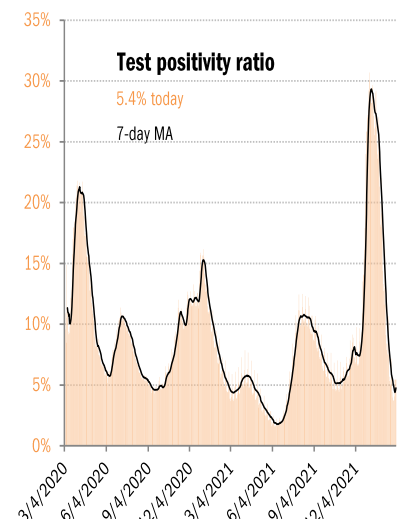
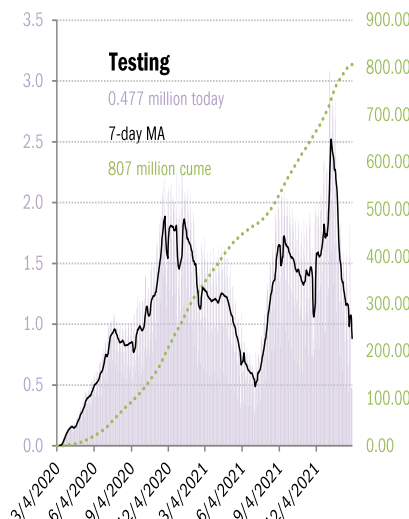
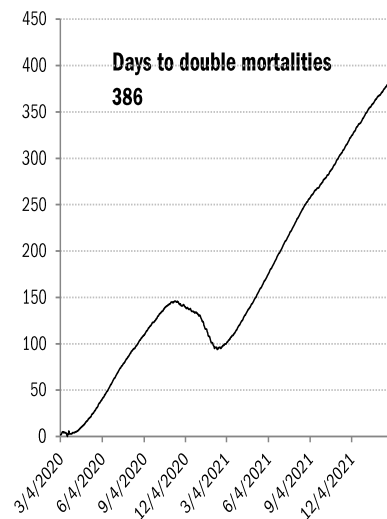
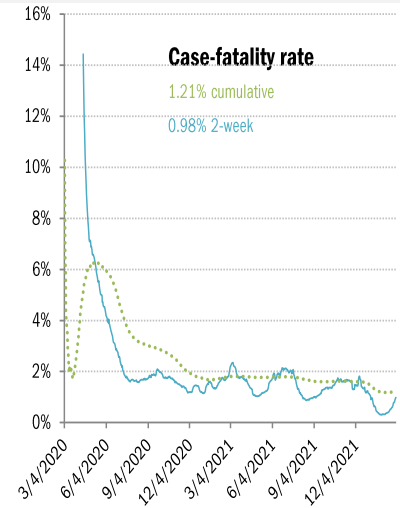
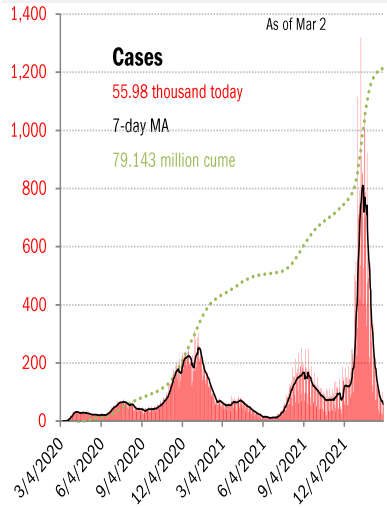
The demographics of US vaccination



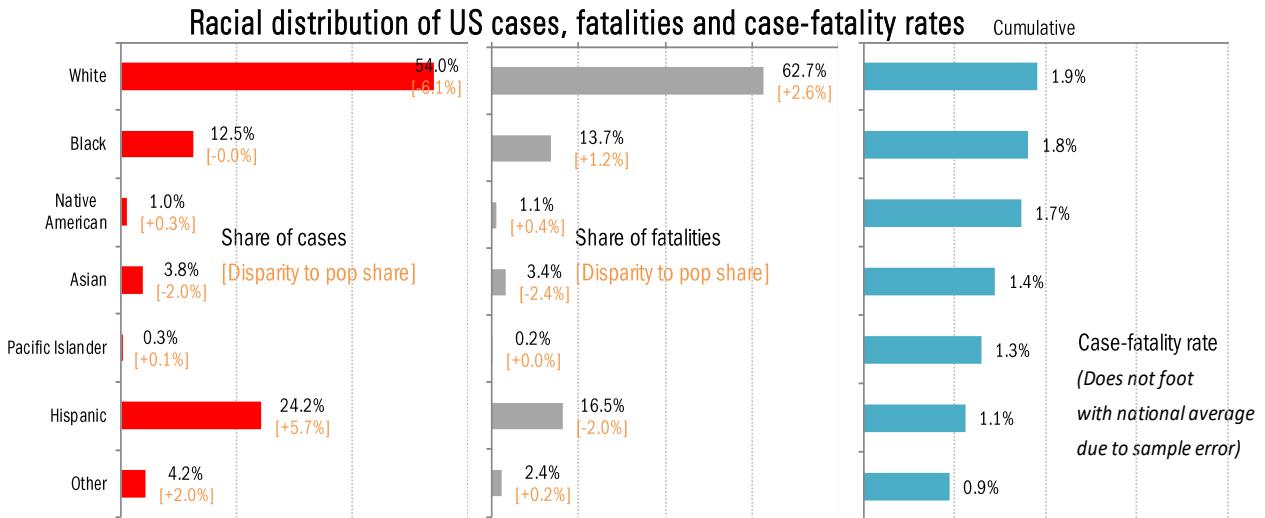
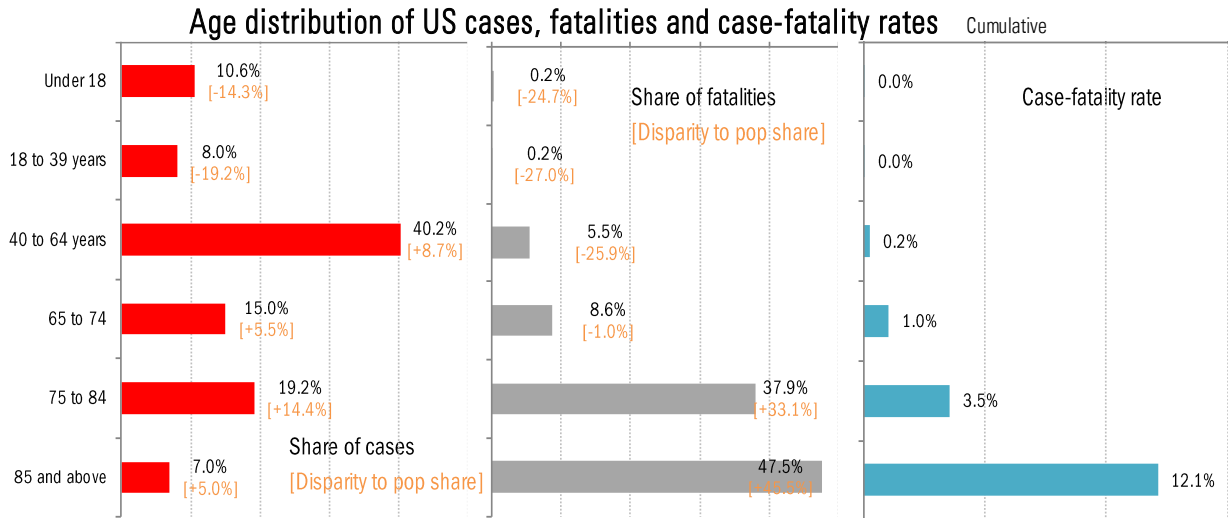
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

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

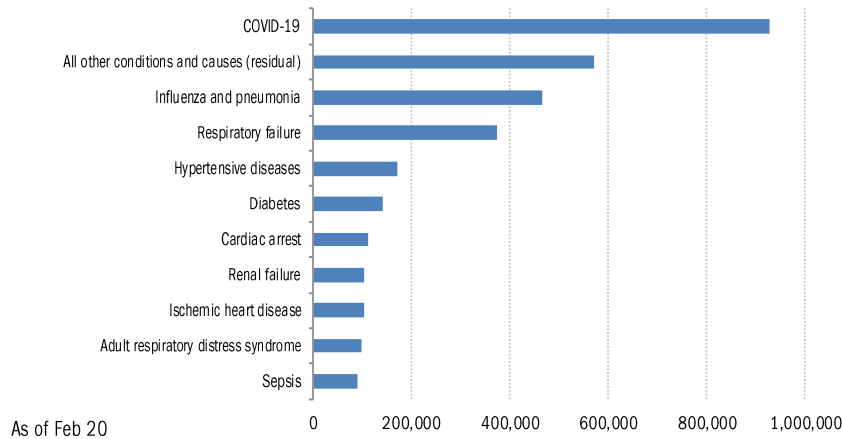


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



The CDC website now omits the following text, which had been included every day for over a year:

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.

Recommended reading

[In Symbolic Vote, Senate Rejects Vaccine Mandate for Health Workers](#)

Emily Cochrane
New York Times
March 3, 2022

[Even 'Saturday Night Live' has awakened to mask madness](#)

New York Post
February 28, 2022

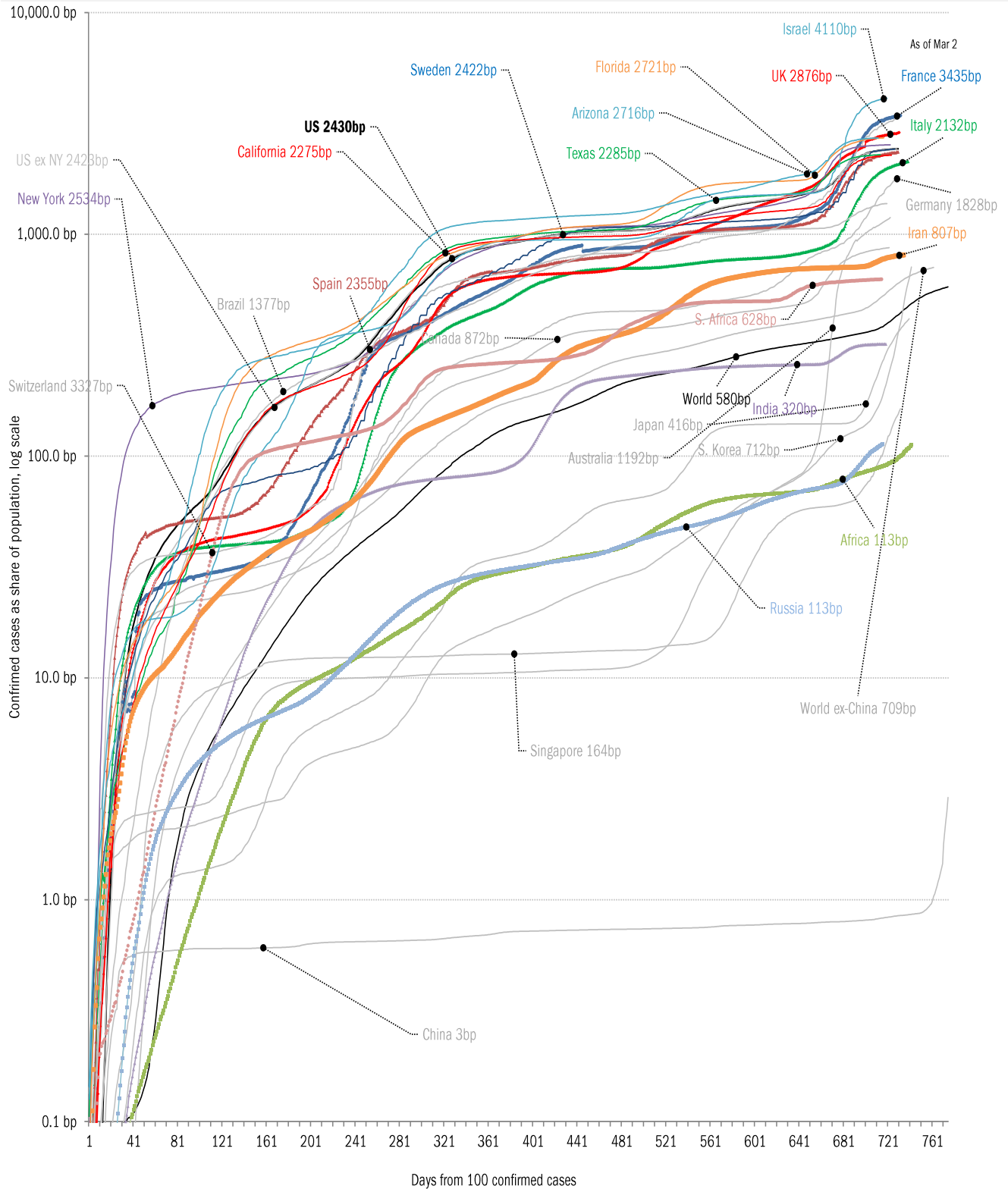
Meme of the day

Aliens watching season 2022 of Earth and it went from pandemic to WW3 in less then 2 episodes



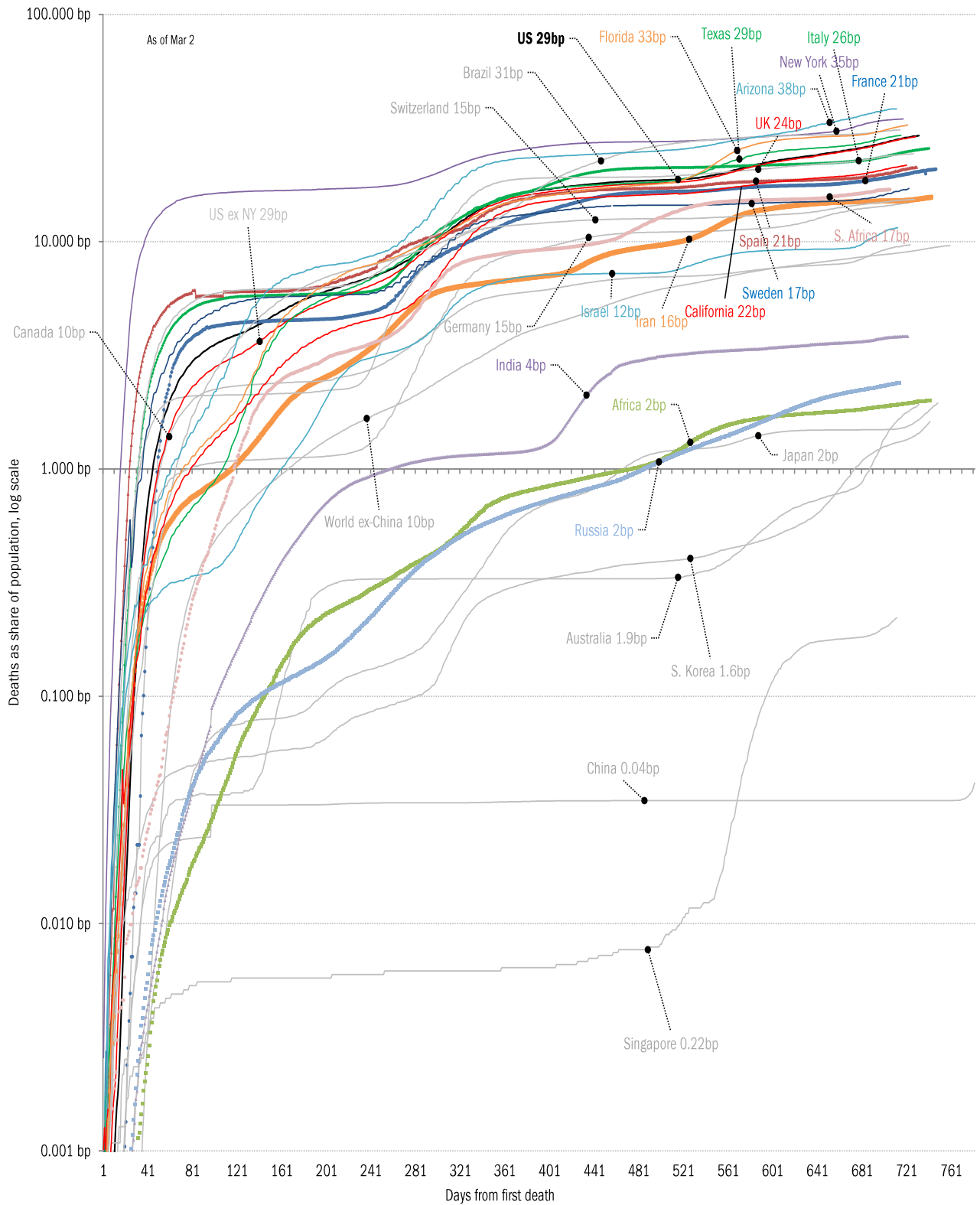
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

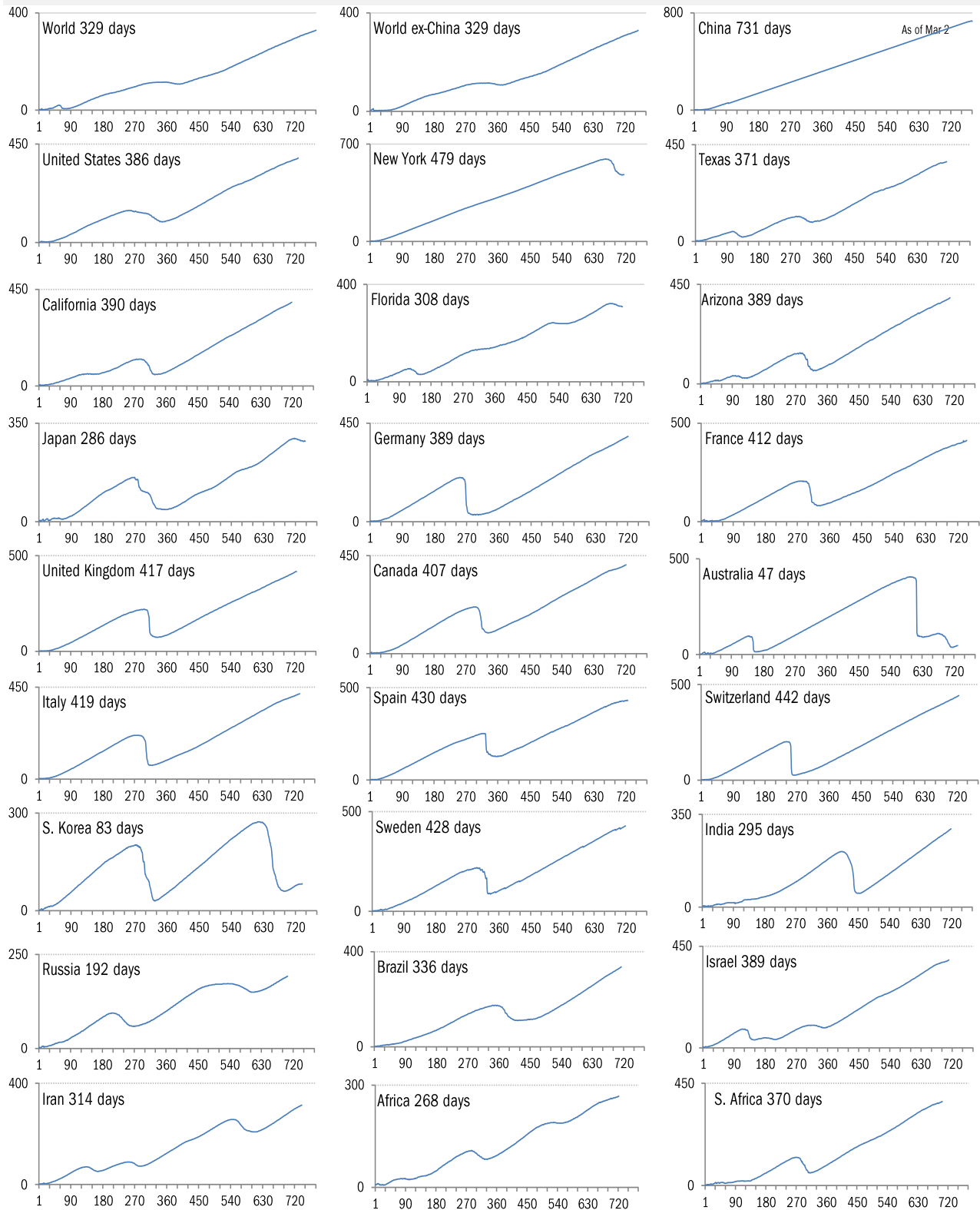


Source: [Johns Hopkins](#), TrendMacro calculations

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

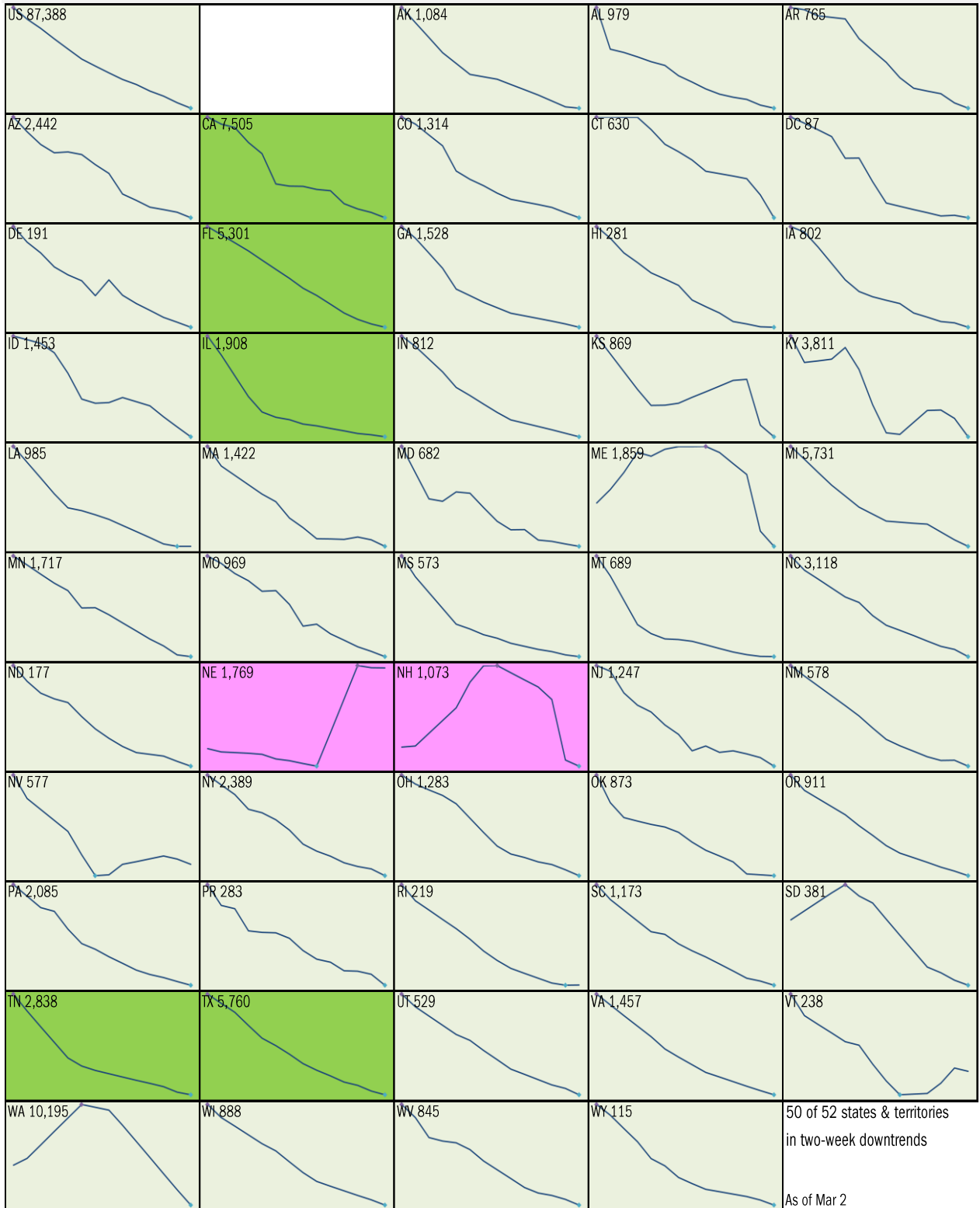
Vertical: days to double deaths Horizontal: days from first death

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



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

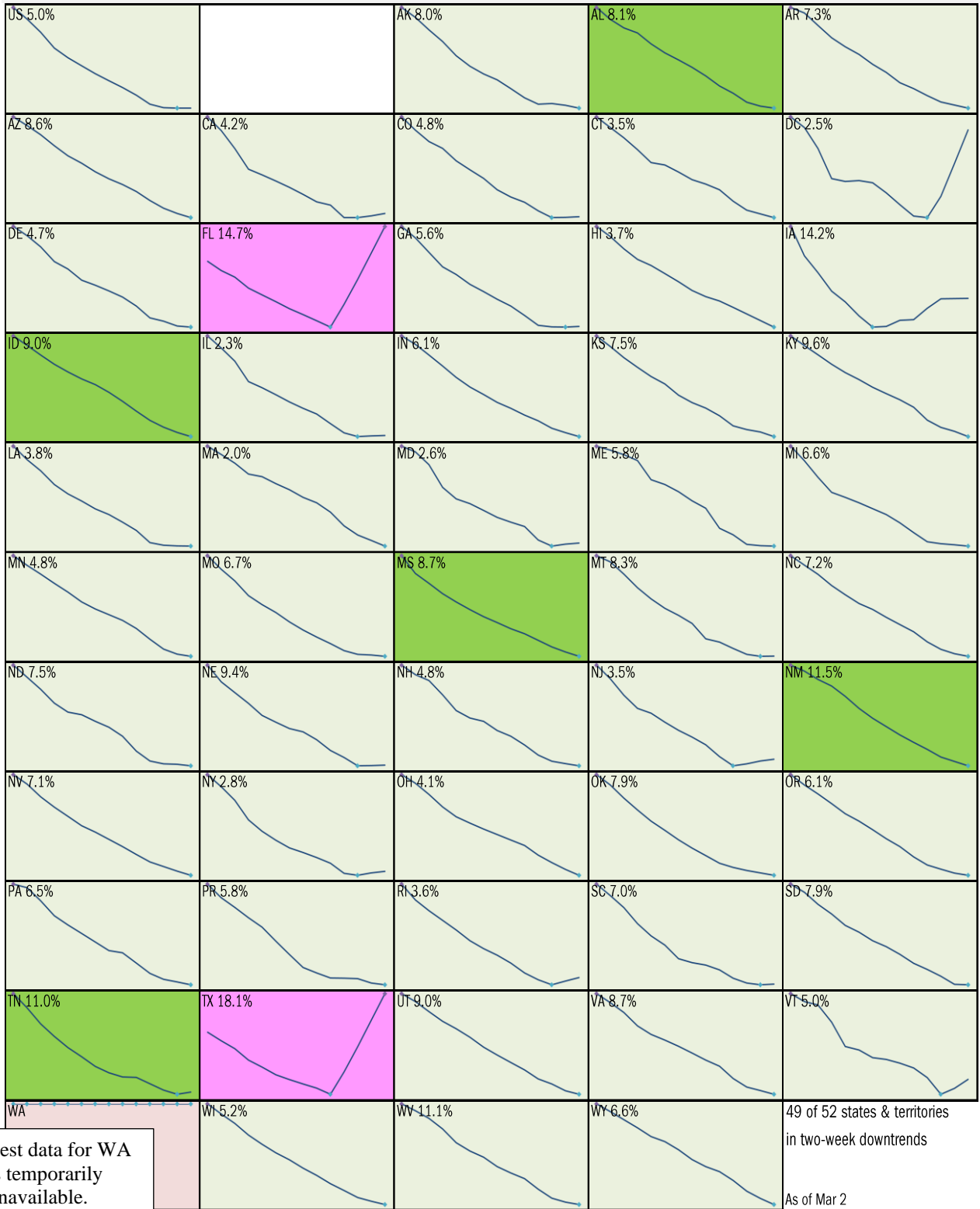


Source: [Johns Hopkins](#), TrendMacro calculations

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

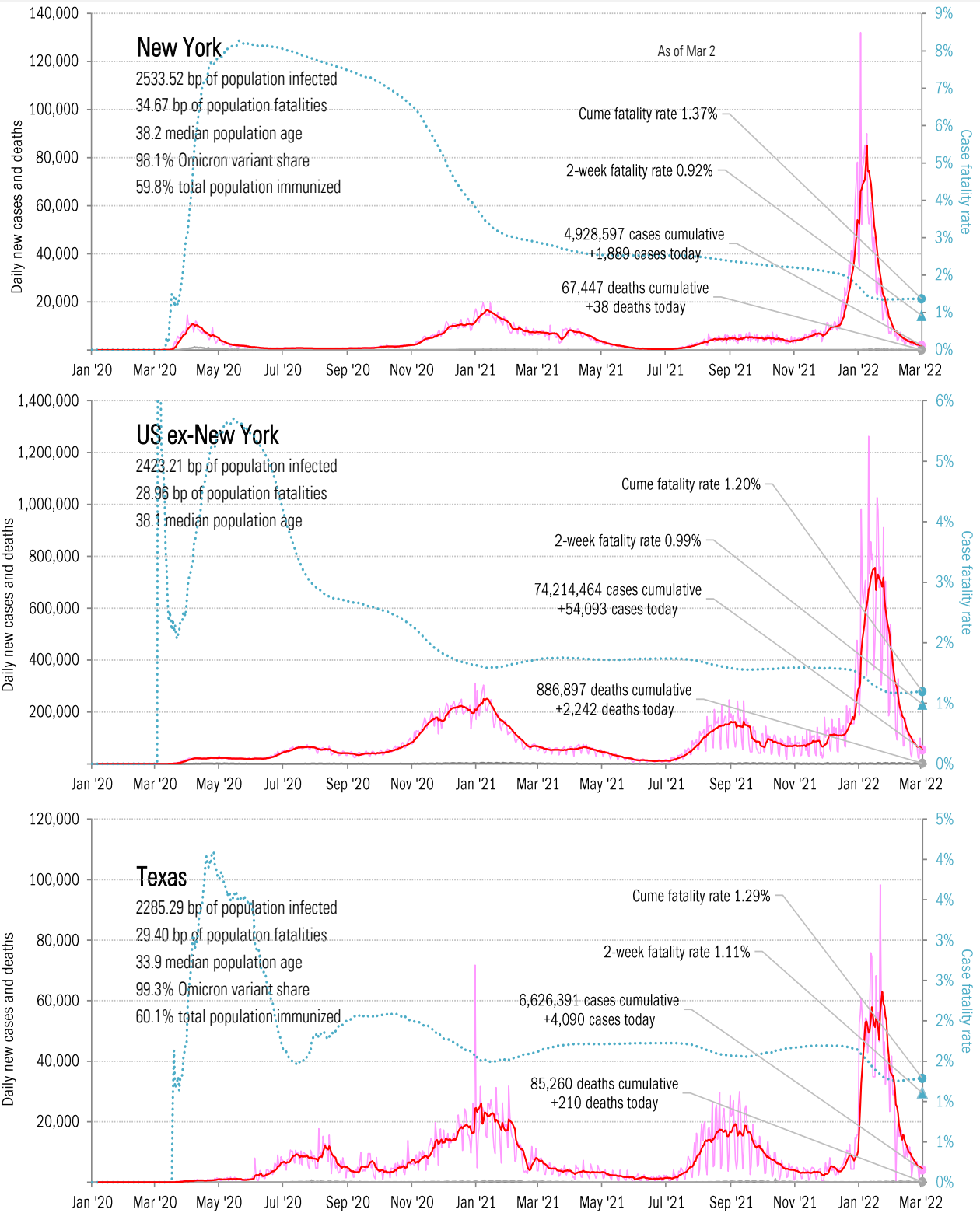
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

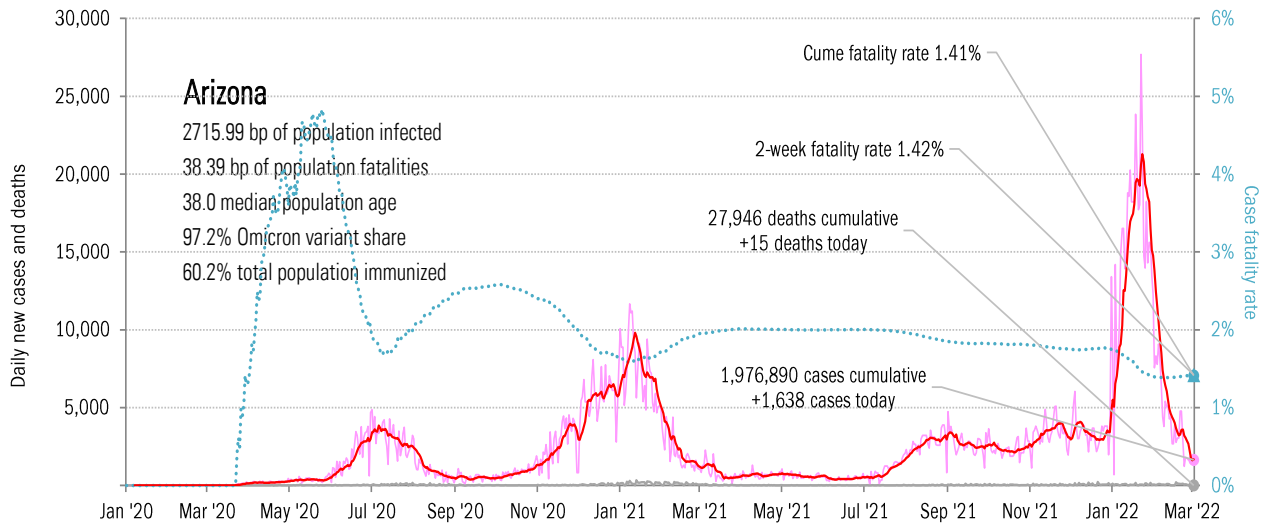
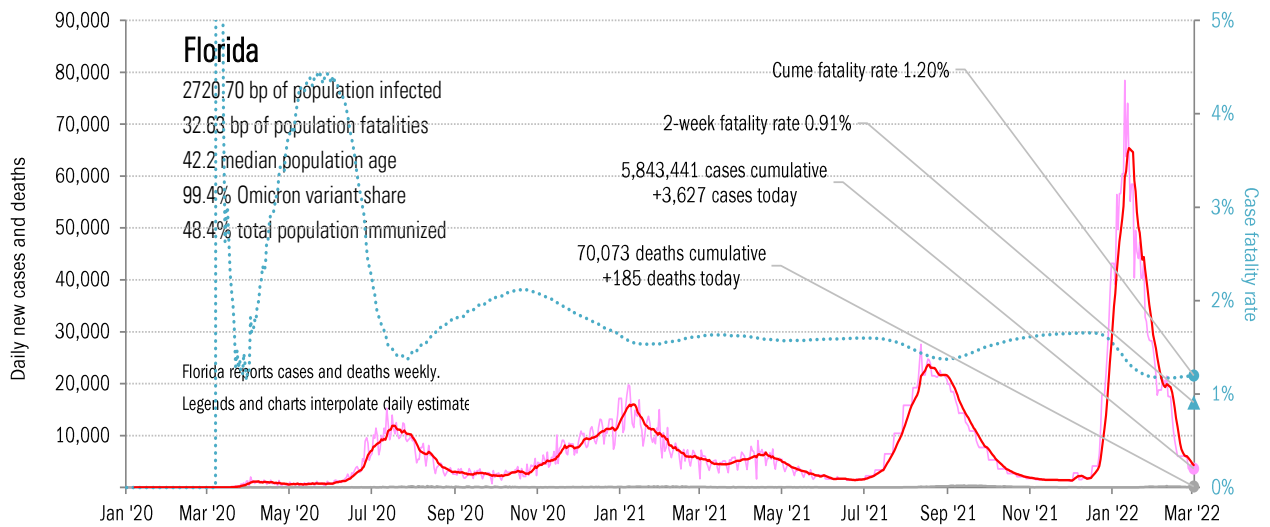
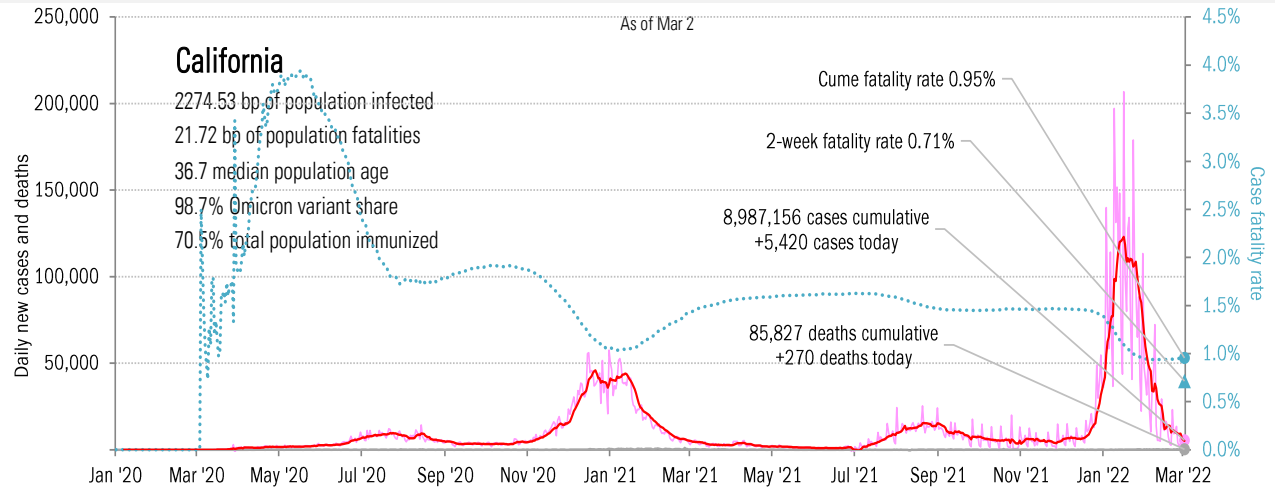
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

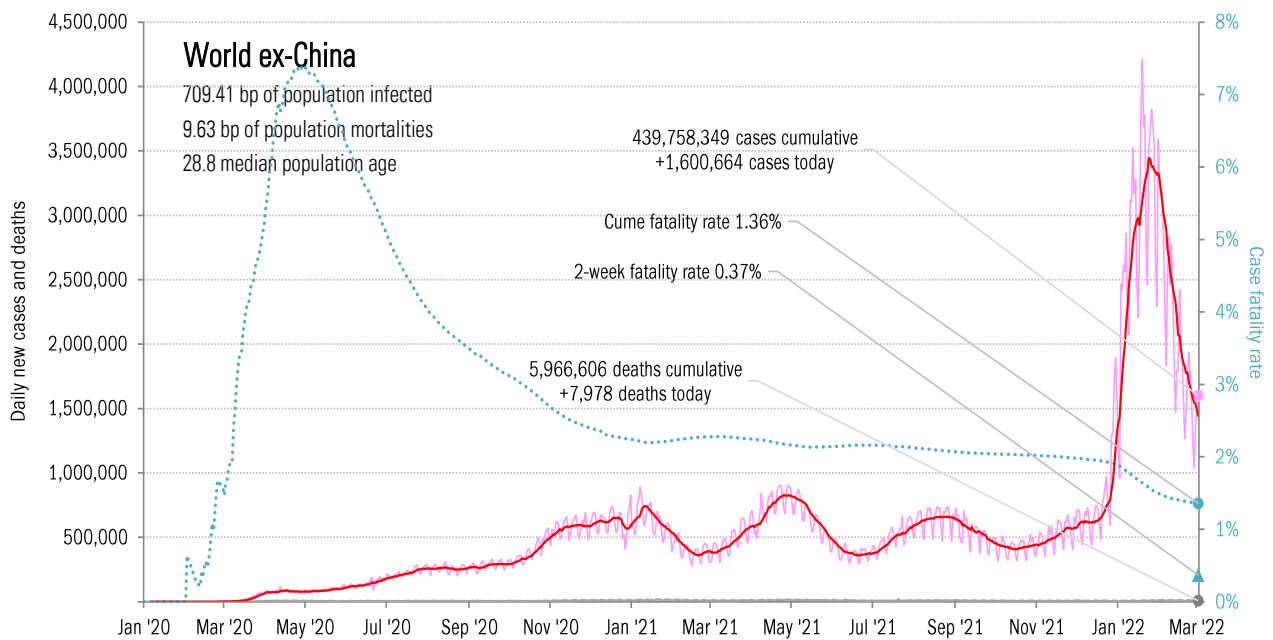
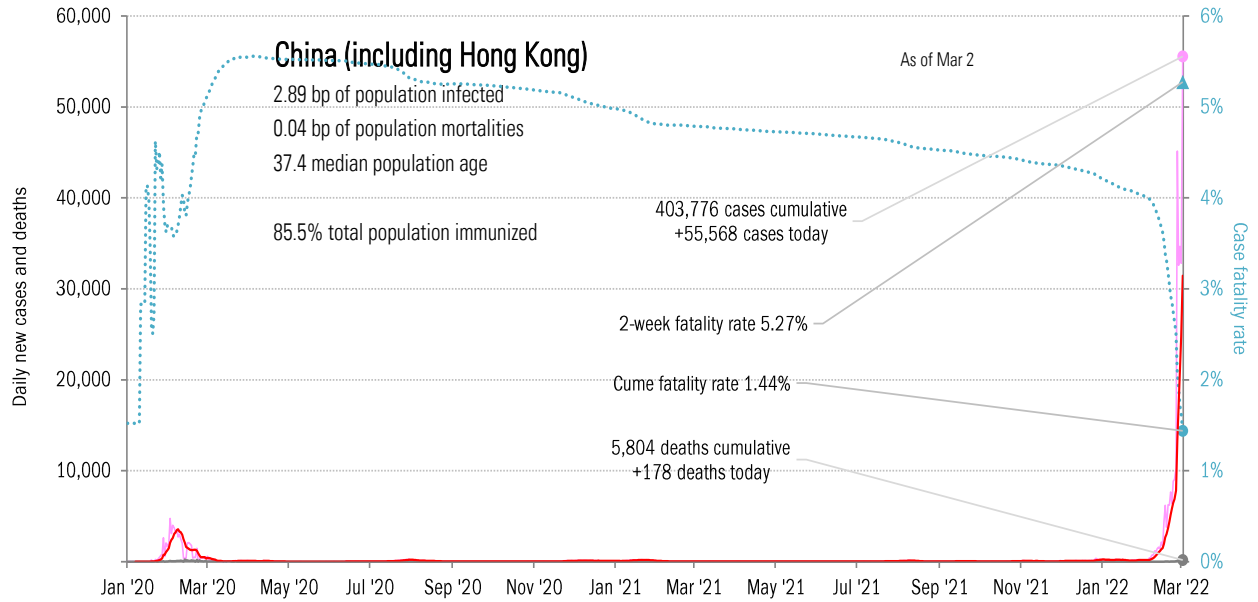
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

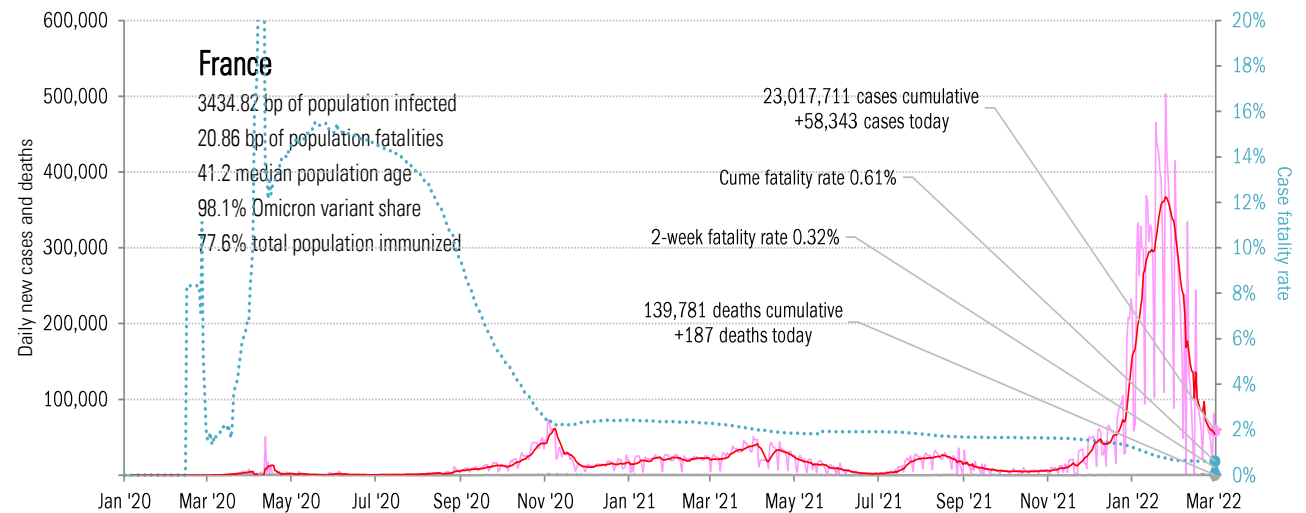
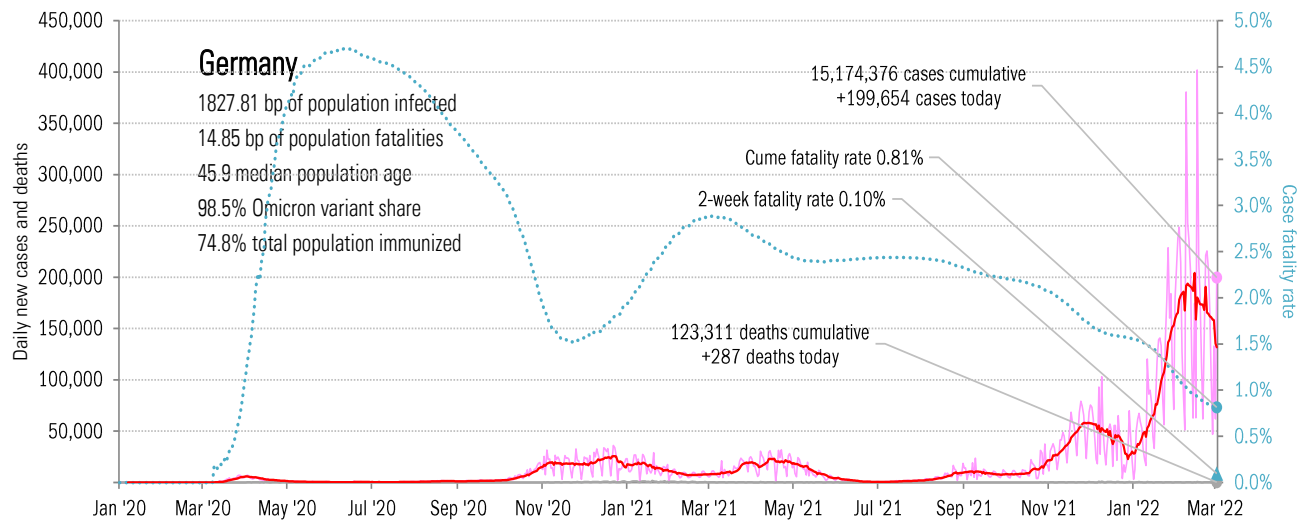
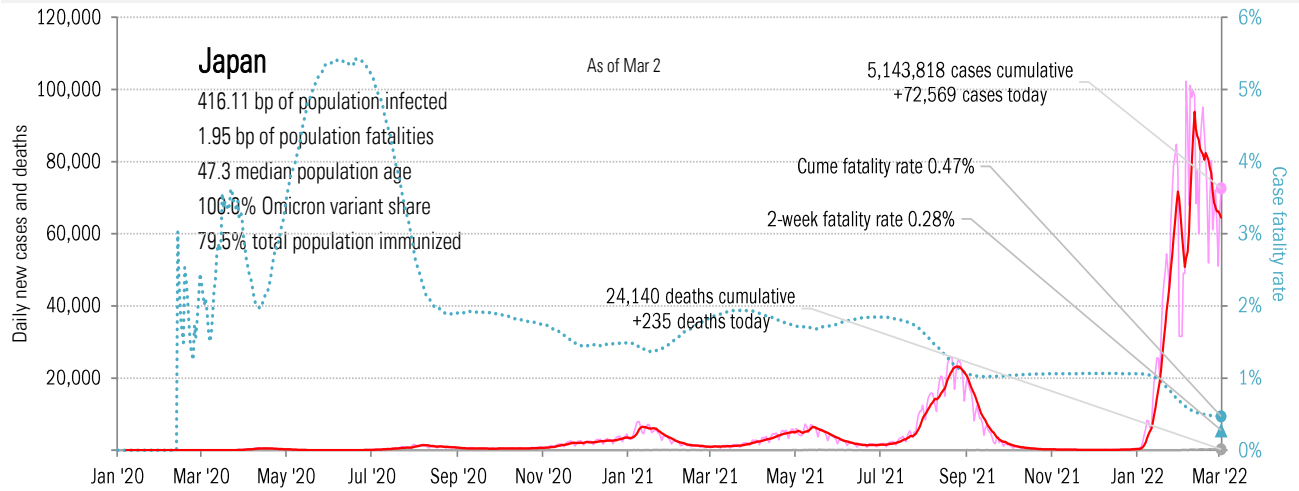
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

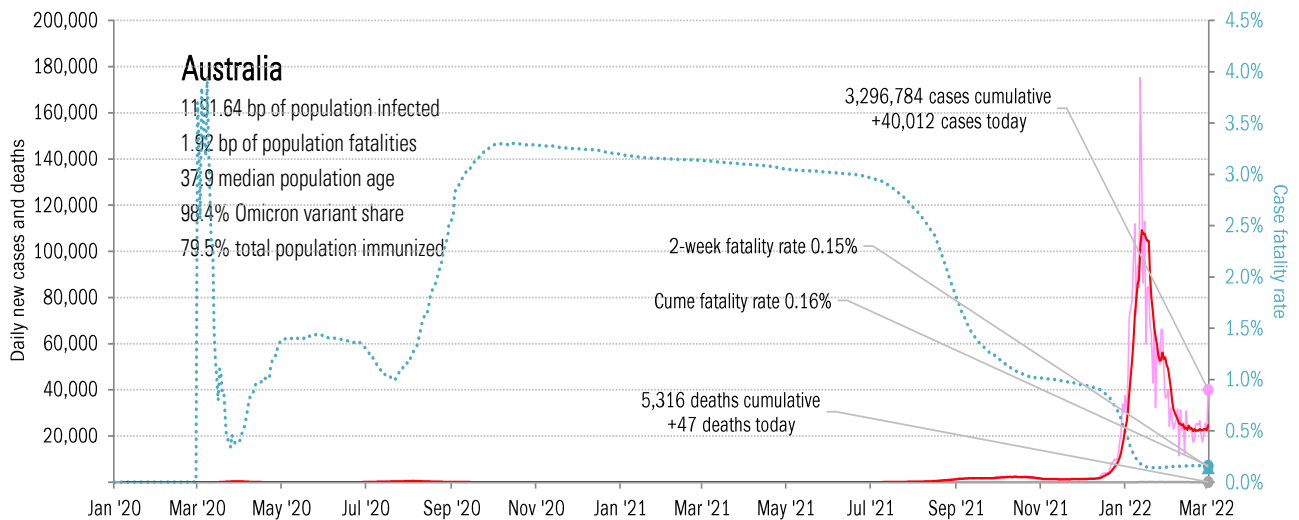
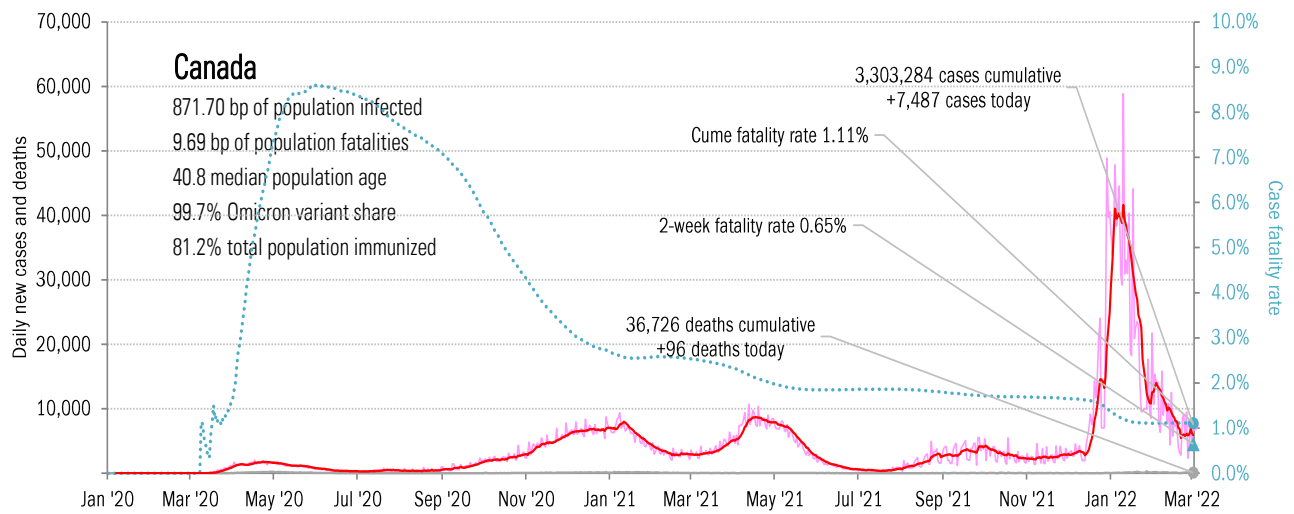
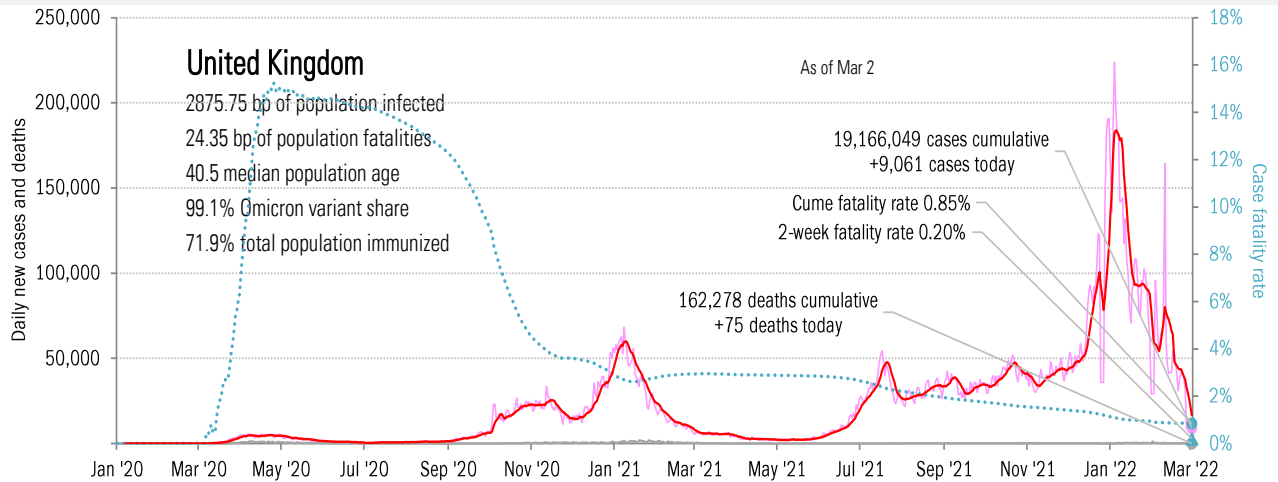
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

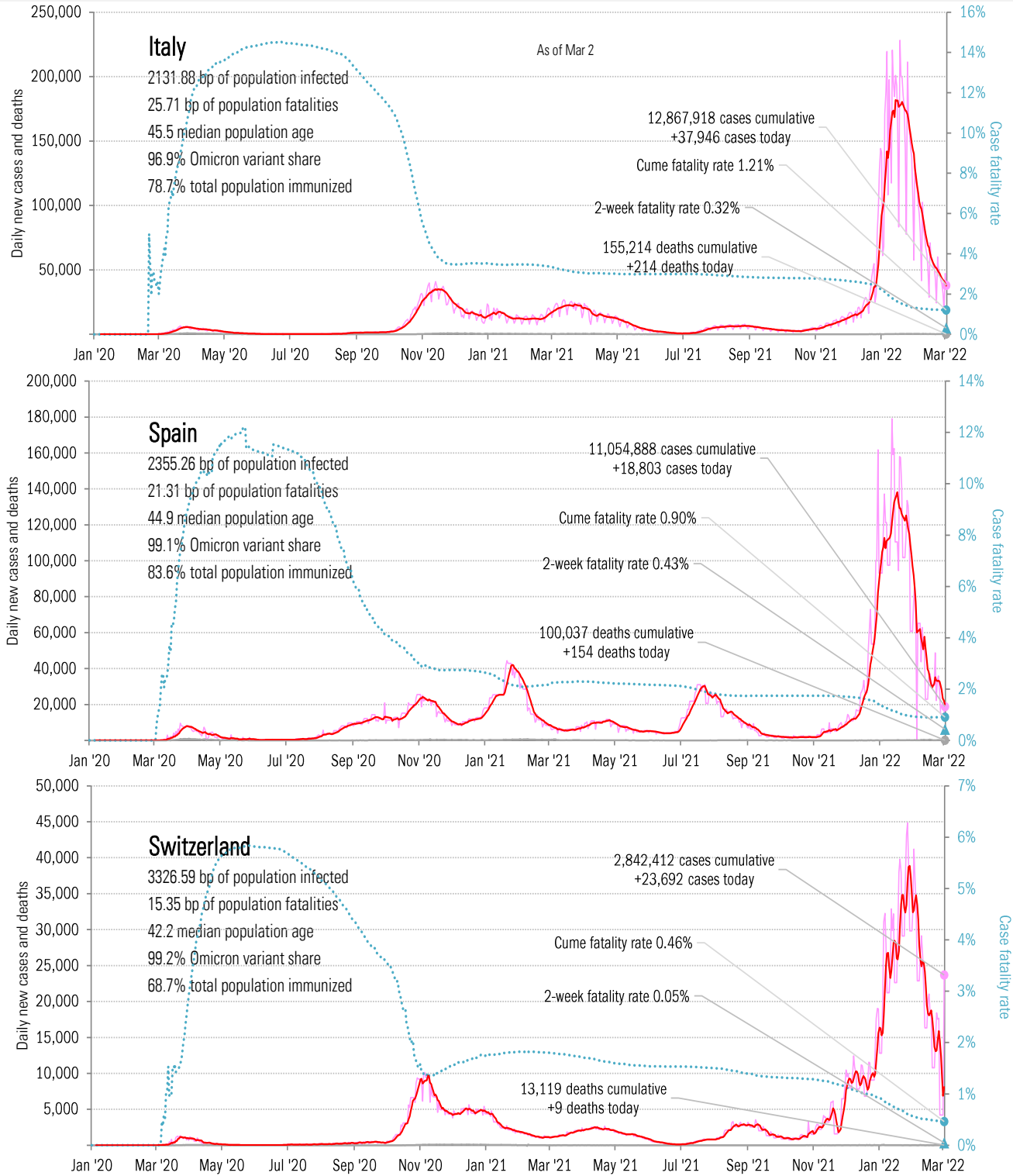
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

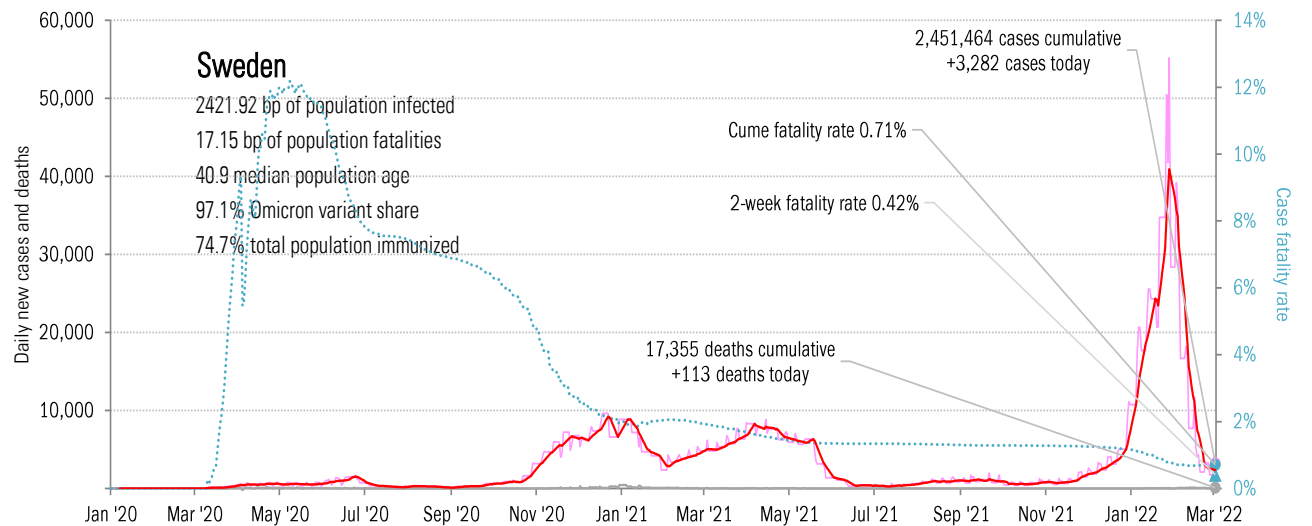
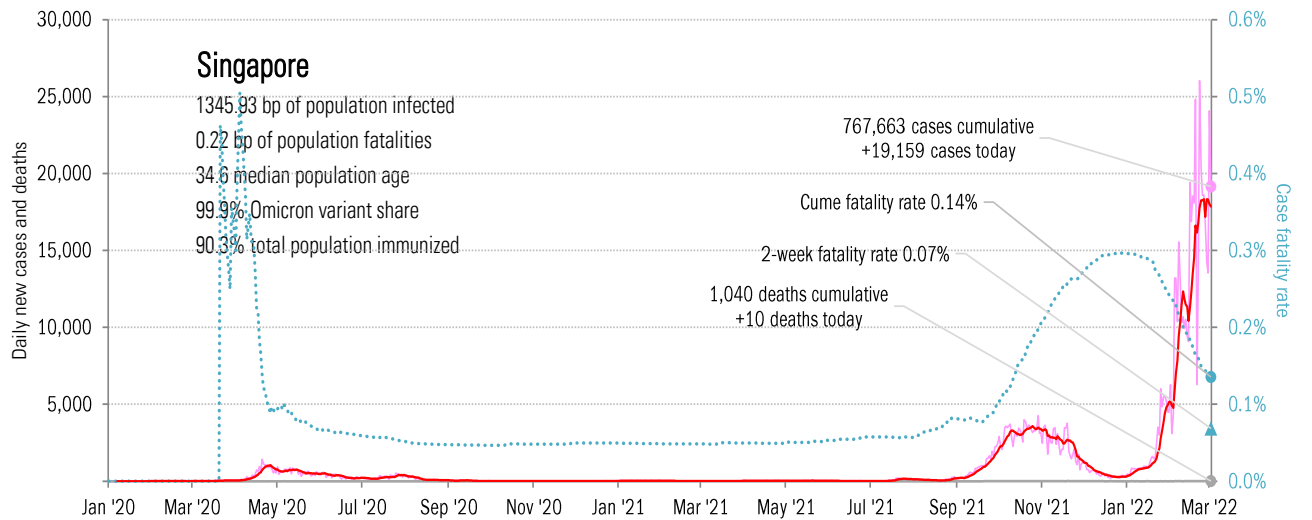
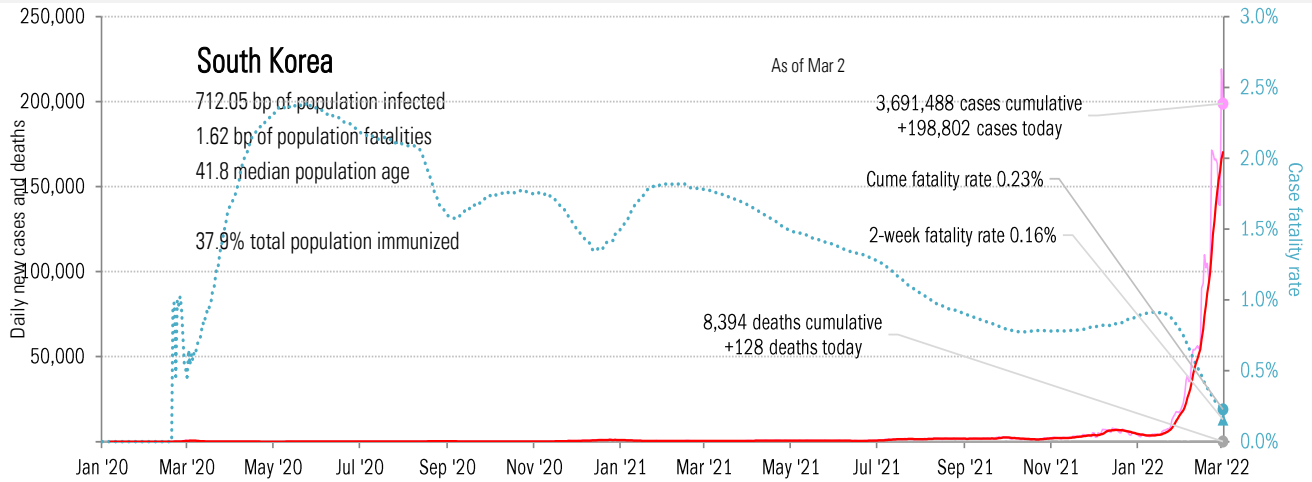
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

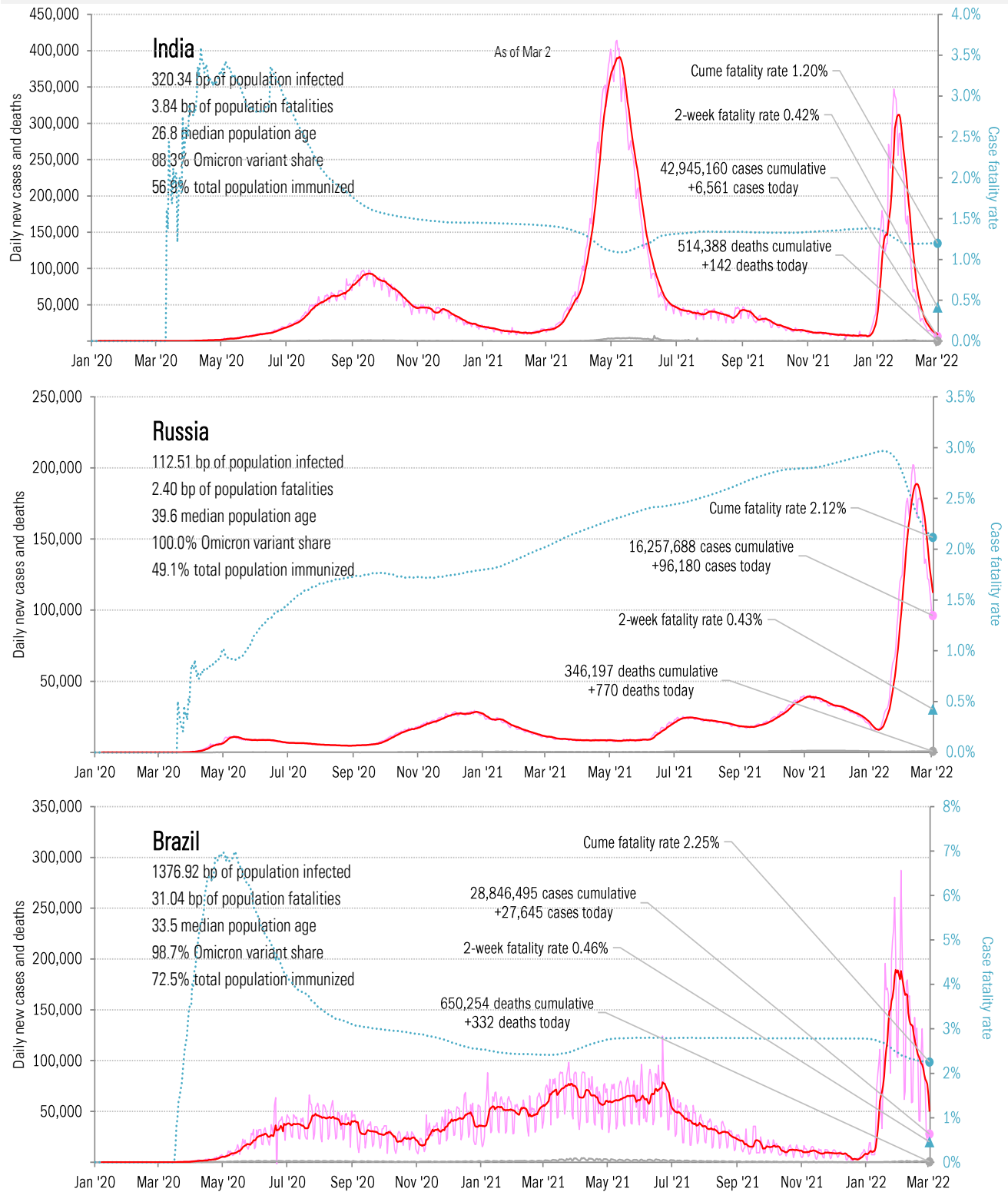
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

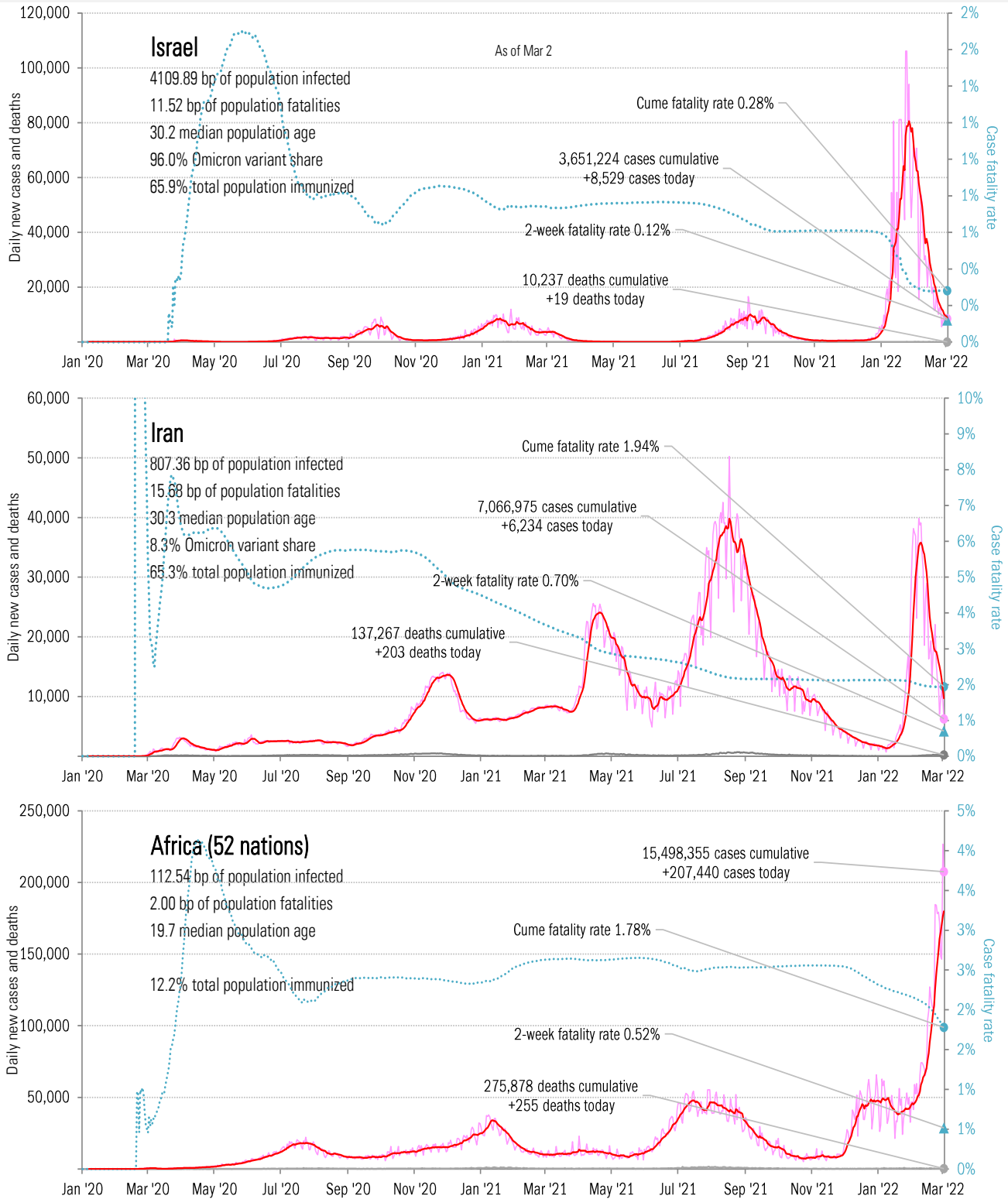
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

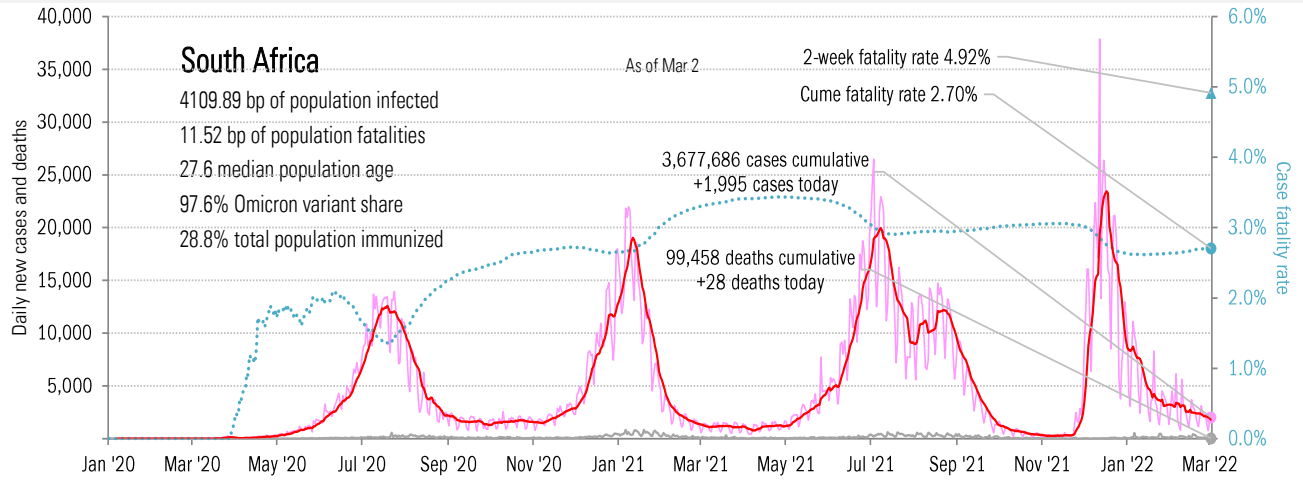
Cases: 7-day average and daily Deaths: Daily



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 V