

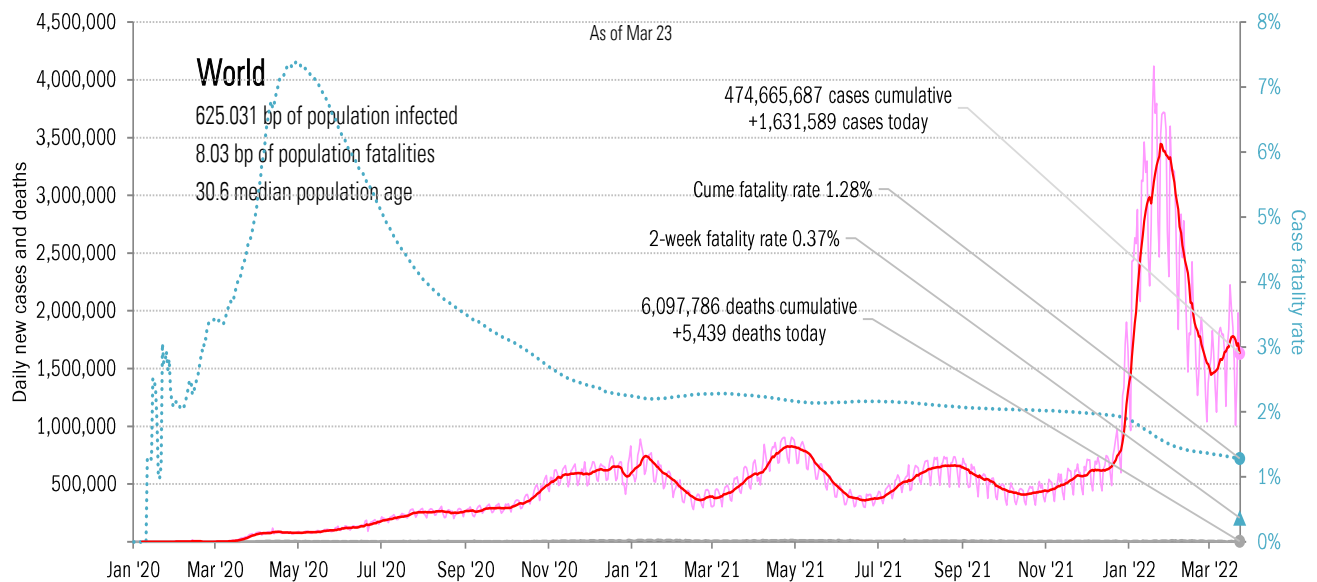
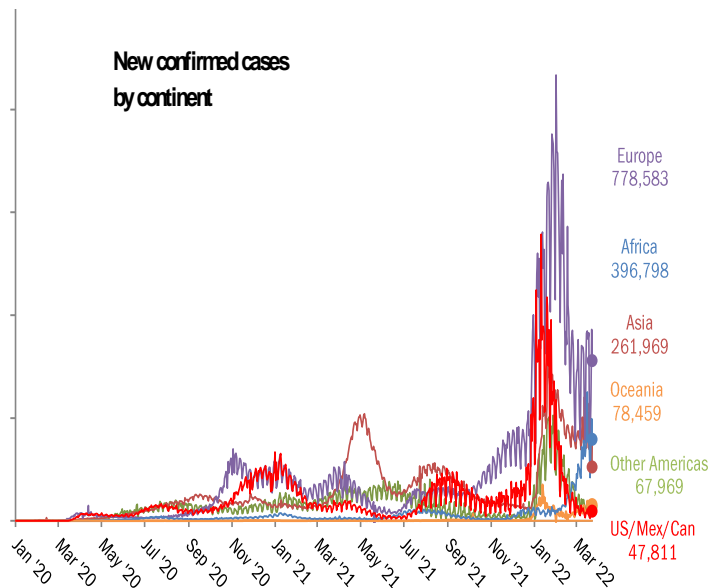
Data Insights: Covid-2019 Monitor

Thursday, March 24, 2022

The global scorecard

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

The worst ten countries			
New cases		New Deaths	
Korea, South	395,589	United States	1,656
Germany	158,385	Korea, South	470
France	154,118	Russia	417
Vietnam	140,837	Philippines	282
United Kingdom	103,078	Brazil	281
Italy	78,358	United Kingdom	196
Australia	59,704	Norway	170
Austria	53,071	Indonesia	159
Brazil	46,721	Italy	153
Netherlands	42,788	Poland	125
1,232,649		3,909	
World	1,631,589	World	5,439
Top ten	76%	Top ten	72%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

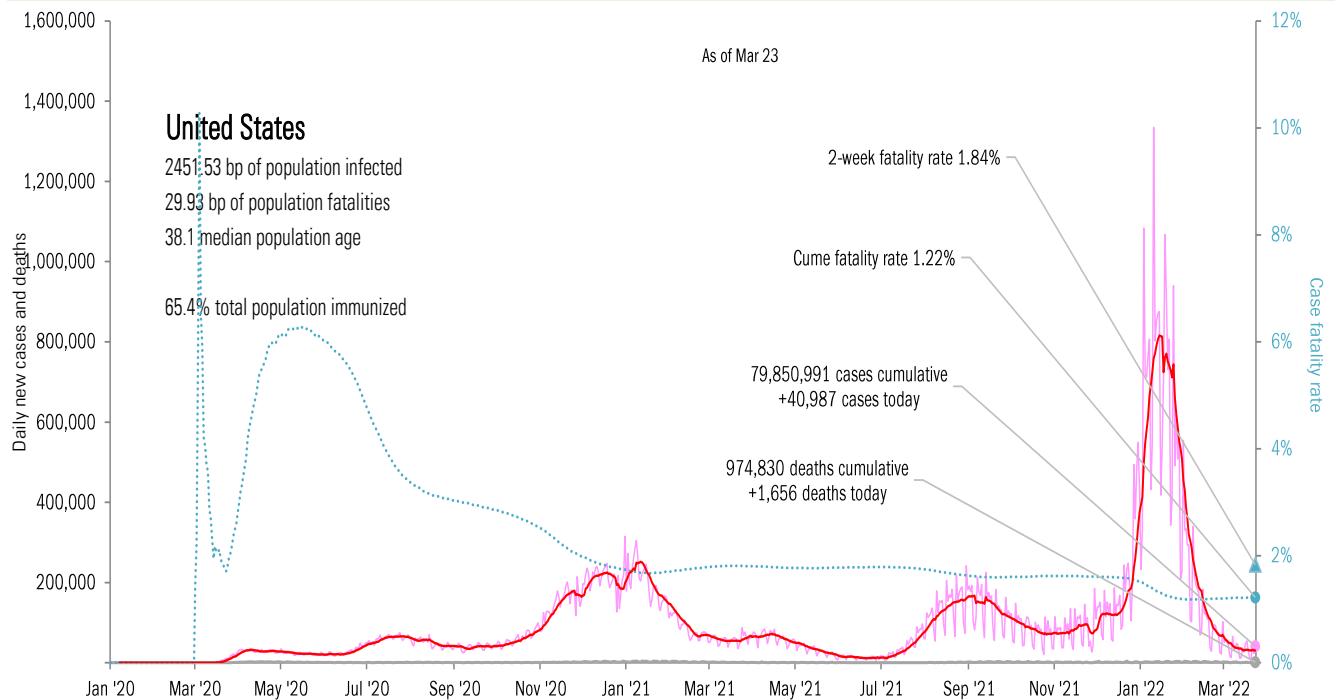
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	12,479		AZ	336		GA	103		CA	9,080,457		CA	88,351		TX	485,634		DE	116%	DE	123%
CA	4,159		TN	195		MN	37		TX	6,710,903		TX	87,062		CA	421,165		RI	87%	TX	88%
MO	2,684		MO	185		NJ	49		FL	5,874,824		FL	72,880		FL	412,483		MA	84%	NM	85%
MI	2,042		MI	108		ME	13		NY	4,967,118		NY	67,862		NY	243,944		MN	84%	KY	83%
WA	1,934		CA	100		CT	25		IL	3,058,192		PA	44,115		GA	206,256		GA	82%	AL	81%
NC	1,602		FL	91		SC	17		PA	2,776,302		CH	37,608		CH	189,680		WV	82%	AK	81%
VA	1,551		NV	82		UT	19		CH	2,666,030		GA	36,658		PA	175,049		WA	82%	MA	80%
CO	1,332		TX	75		LA	28		NC	2,621,793		IL	35,711		IL	155,906		PA	81%	VT	79%
MA	1,216		WI	70		AK	5		GA	2,484,385		MI	35,533		MI	140,164		MO	81%	WA	79%
NV	1,148		IA	53		ID	7		MI	2,382,197		NJ	33,192		KY	132,294		DC	81%	MS	79%
30,147			1,295			303			42,622,201			538,972			2,562,575						
All states	40,987		1,656			1,702			All states	79,850,991		974,830			4,653,224			All states	70%	67%	
Top ten	74%		78%			18%			Top ten	53%		55%			55%			Median	75%	73%	

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	SC	-113	NY	-43	AZ	+20 bp
CO	-2,389	MS	-31	KY	-40	AK	+10 bp
SC	-1,376	ID	-28	IN	-36	CO	+10 bp
NY	-1,052	IL	-26	PA	-33	CT	+10 bp
MN	-754	CT	-21	CH	-27	IA	+10 bp



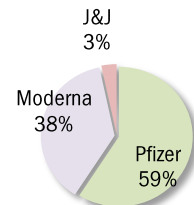
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	573,943,143		+0.136 million	US	65.4%	76.8%
Boosters	98,139,812		+0.049 million	UK	72.3%	77.3%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	262,656,873	79%	223,419,989	67%	+0.037 million	France 77.7% 80.1%
Age 12 to 17	17,492,383	69%	14,922,569	59%	+0.004 million	Spain 85.5% 88.0%
Age 18 to 64	176,971,872	87%	150,122,465	74%	+0.019 million	Germany 75.2% 75.8%
Age 65 and over	58,252,271	100%	50,457,286	92%	+0.003 million	Italy 79.1% 84.0%

Israel	65.9%	72.1%
Canada	81.7%	85.8%
Japan	79.8%	81.1%
Africa	14.9%	20.1%
India	59.0%	69.9%
Brazil	74.4%	84.4%
China	85.9%	88.3%

Global data differs due to sources, timing



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



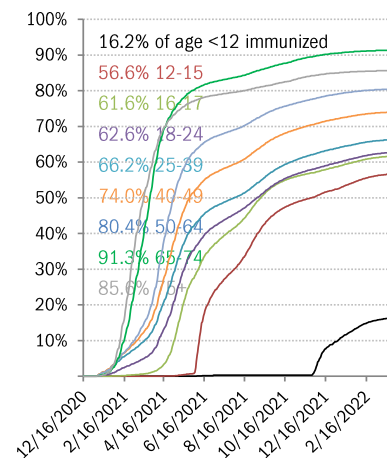
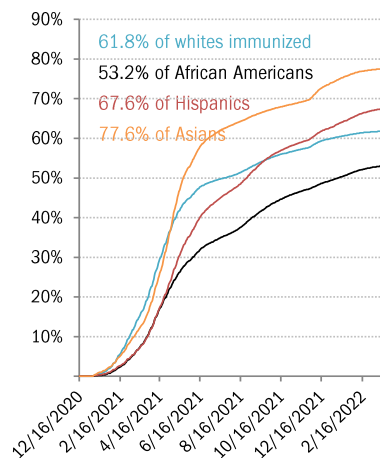
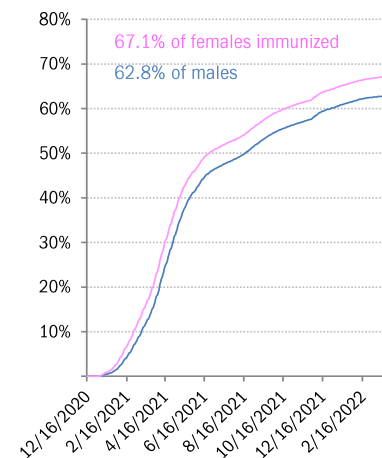
AK
69.1%
61.6%

Immunity = two doses

As of Mar 23

					WI 71.4% 65.0%					ME 89.3% 78.7%
WA 80.2% 71.9%	ID 60.6% 53.5%	MT 64.8% 56.3%	ND 64.6% 54.6%	MN 74.6% 68.6%	IL 76.4% 68.1%	MI 66.5% 59.7%		NY 89.4% 76.0%	VT 92.6% 80.4%	NH 86.5% 67.2%
OR 77.3% 69.1%	NV 74.5% 60.1%	WY 58.3% 51.0%	SD 75.4% 60.4%	IA 67.5% 61.5%	IN 61.0% 54.4%	OH 63.2% 58.0%	PA 83.8% 67.5%	NJ 89.6% 74.8%	MA 95.0% 78.0%	
CA 82.4% 71.0%	UT 71.6% 63.7%	CO 78.7% 69.7%	NE 69.7% 62.9%	MO 65.7% 55.5%	KY 65.7% 56.9%	WV 64.5% 57.1%	VA 84.9% 72.4%	MD 85.4% 74.6%	CT 94.5% 78.3%	RI 95.0% 81.4%
	AZ 72.1% 60.8%	NM 86.6% 70.2%	KS 73.9% 60.7%	AR 66.1% 53.9%	TN 61.6% 53.9%	NC 82.9% 59.8%	SC 67.0% 56.4%	DC 95.0% 72.6%	DE 82.2% 68.2%	
			OK 70.4% 56.4%	LA 60.6% 53.1%	MS 59.2% 51.4%	AL 62.2% 50.6%	GA 64.8% 54.1%			
			TX 71.9% 60.6%					FL 78.5% 66.3%		PR 95.0% 82.0%
HI 86.9% 77.7%										

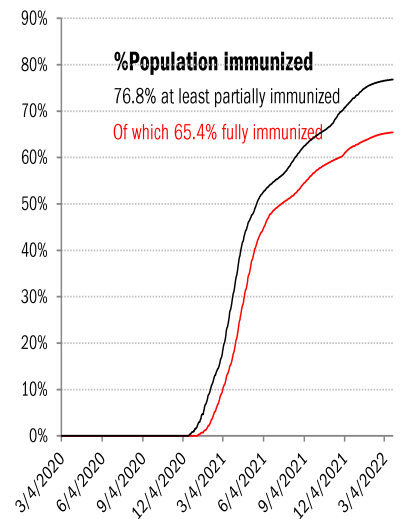
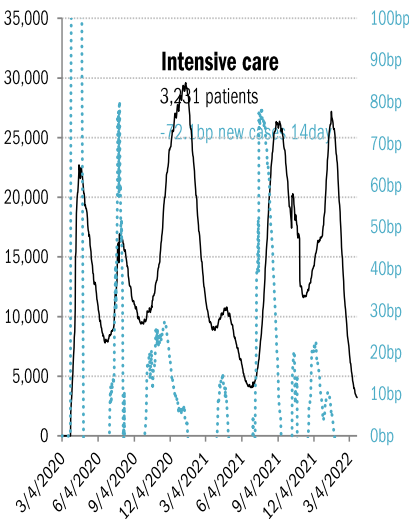
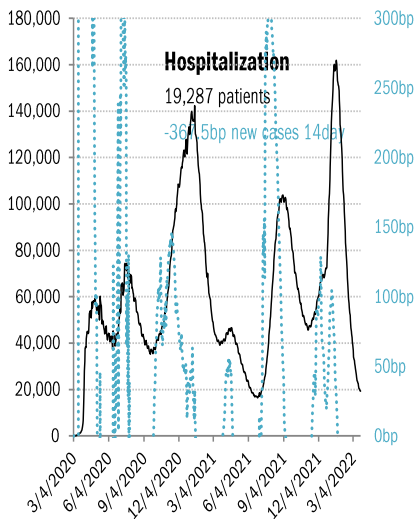
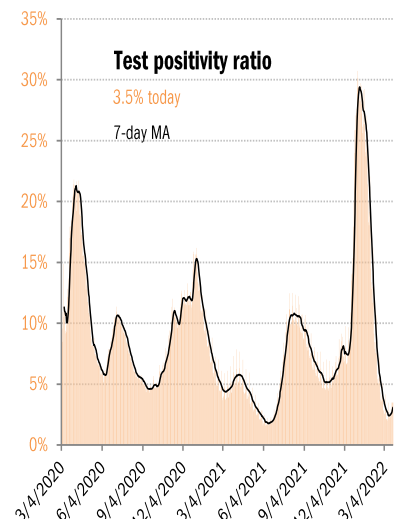
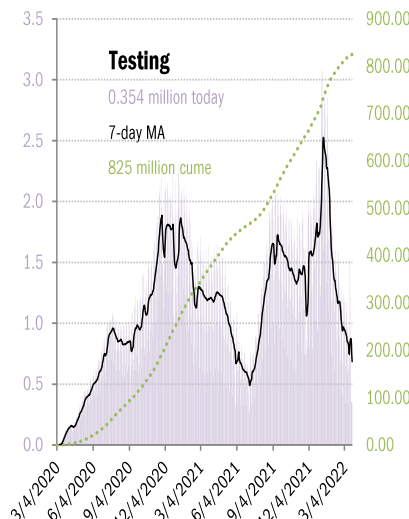
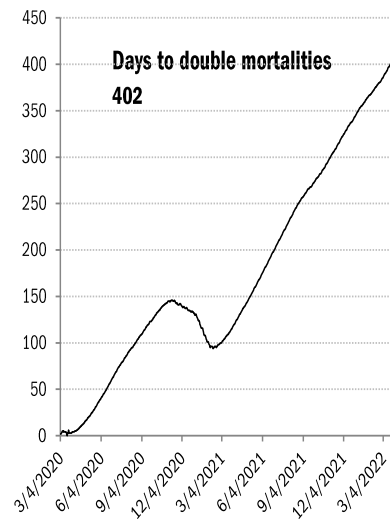
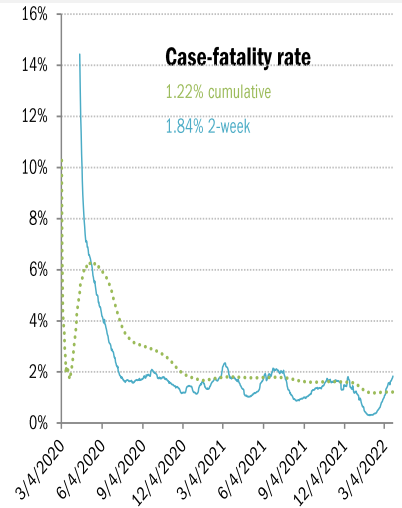
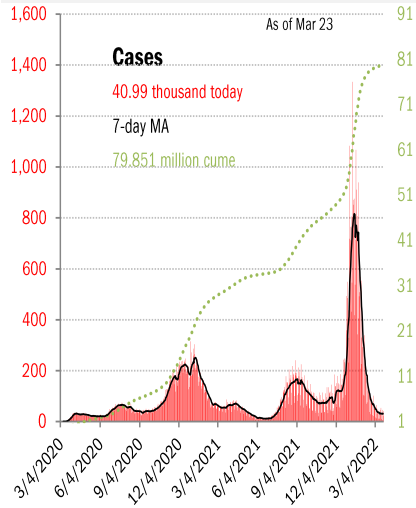
The demographics of US vaccination



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

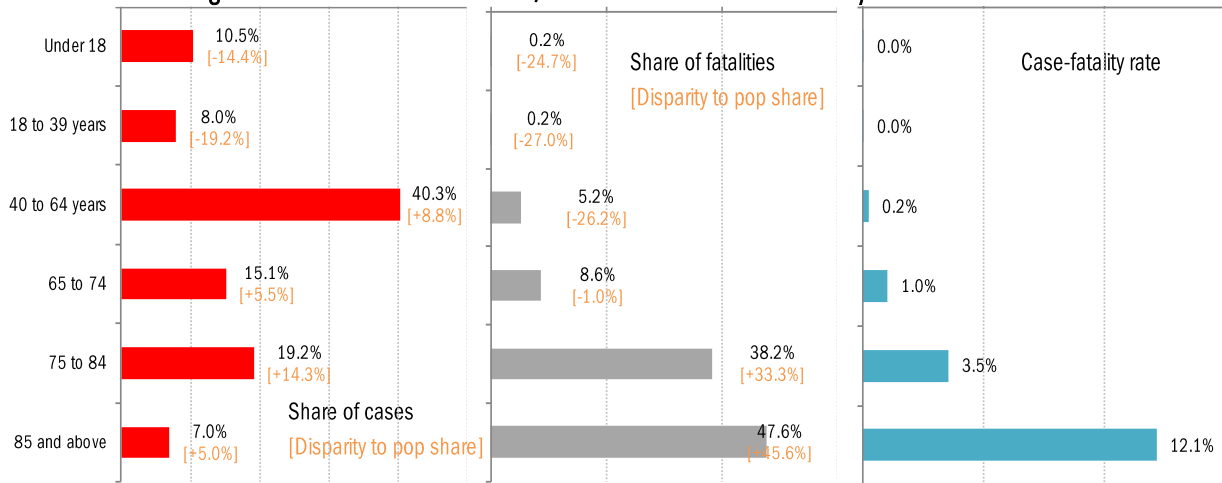
US deep-dive

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

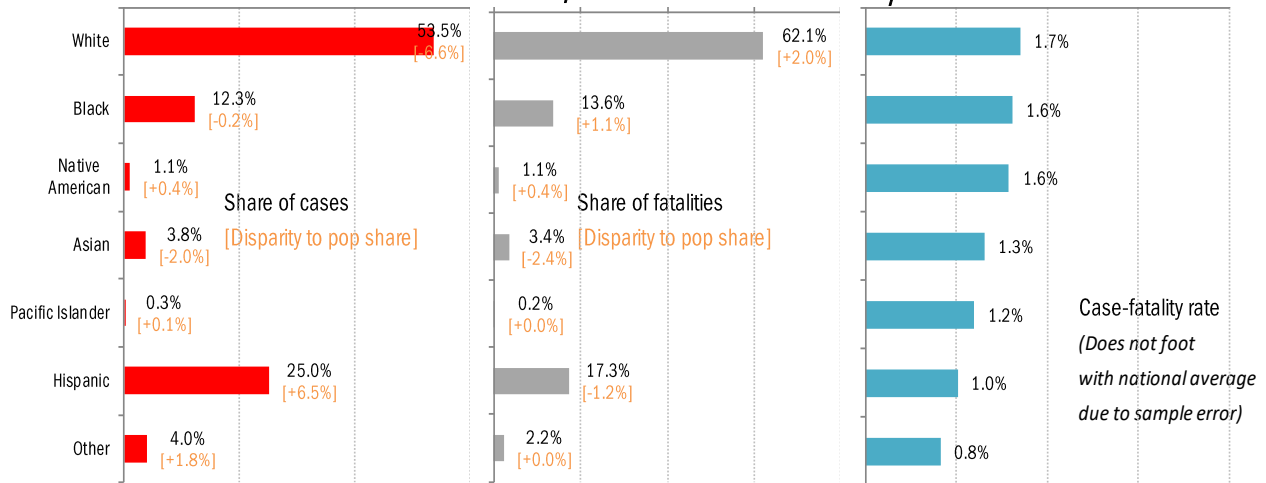


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

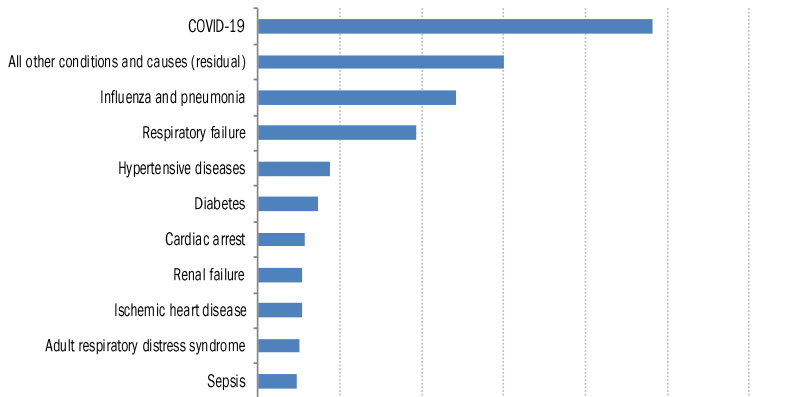


Racial distribution of US cases, fatalities and case-fatality rates



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.

Recommended reading

[America Is About to Test How Long 'Normal' Can Hold](#)

Katherine J. Wu

The Atlantic

March 23, 2022

[Covid Lockdowns Were a Chinese Import](#)

Eugene Kontorovich and Anastasia Lin

Wall Street Journal

March 23, 2022

[Two years into the pandemic, poll finds Americans feel their civil liberties are less secure](#)

AFP

March 11, 2022

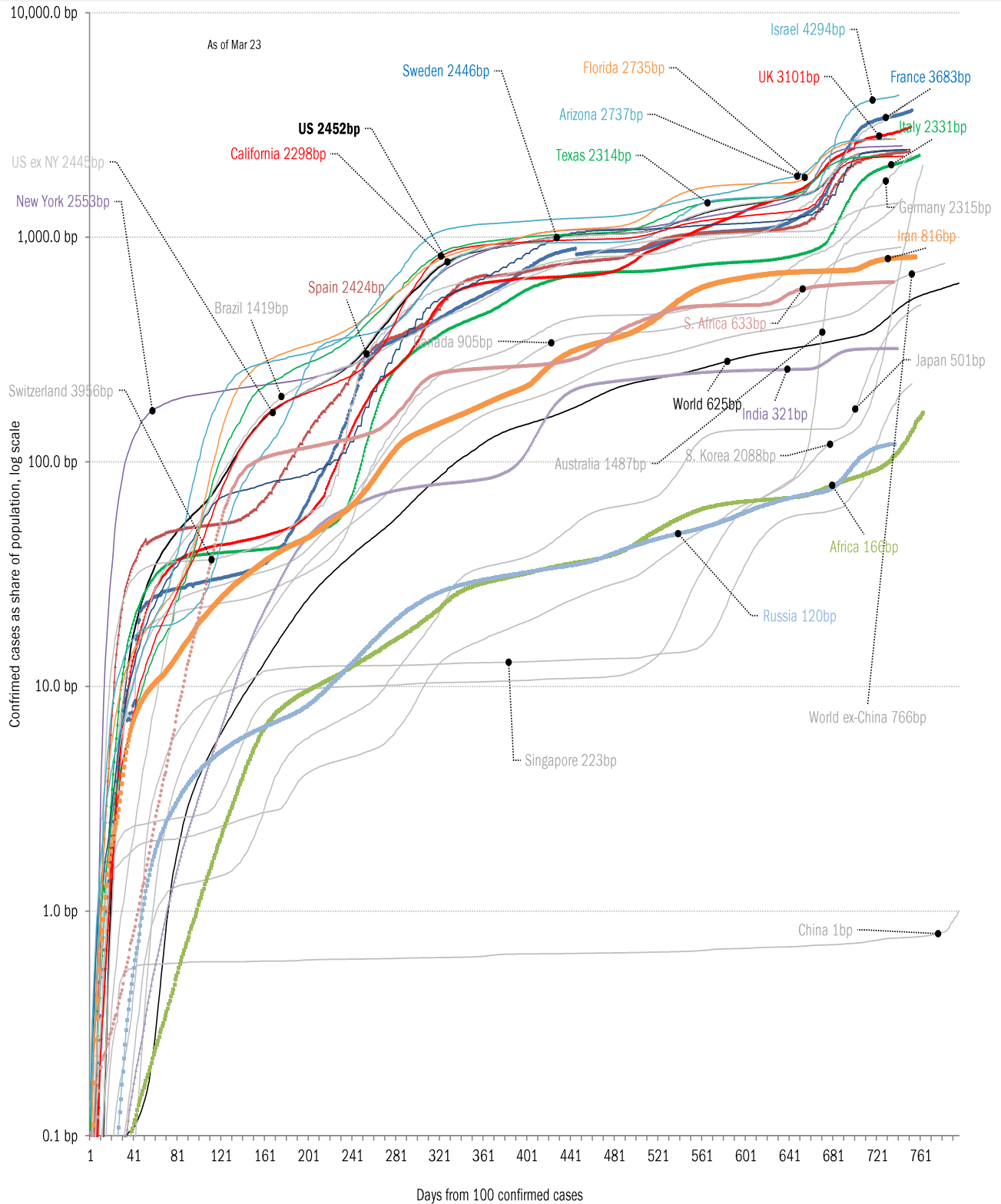
Meme of the day



In England , “booster
shot” is spelled
“borchestershire shot”

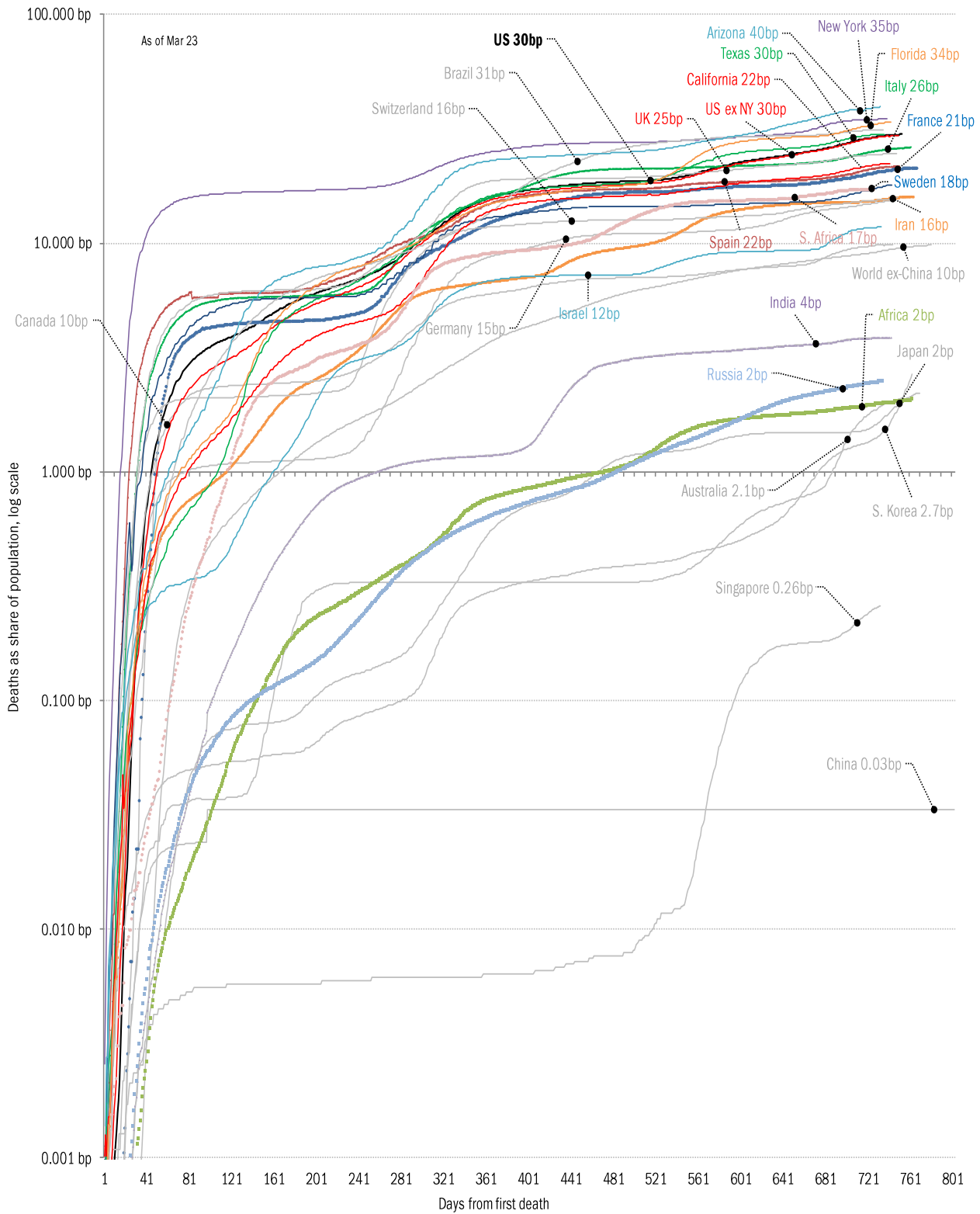
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

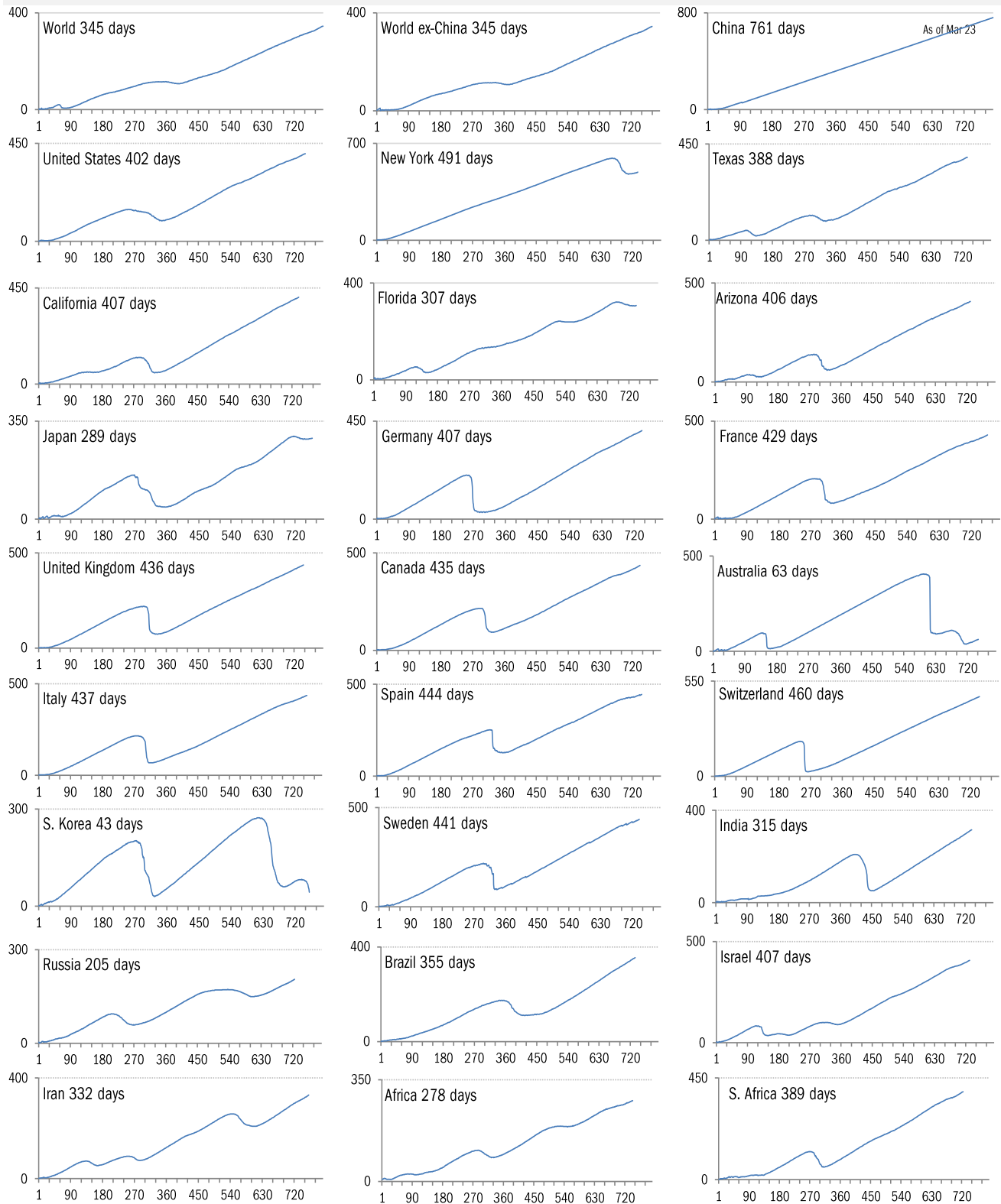


Source: [Johns Hopkins](#), TrendMacro calculations

"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

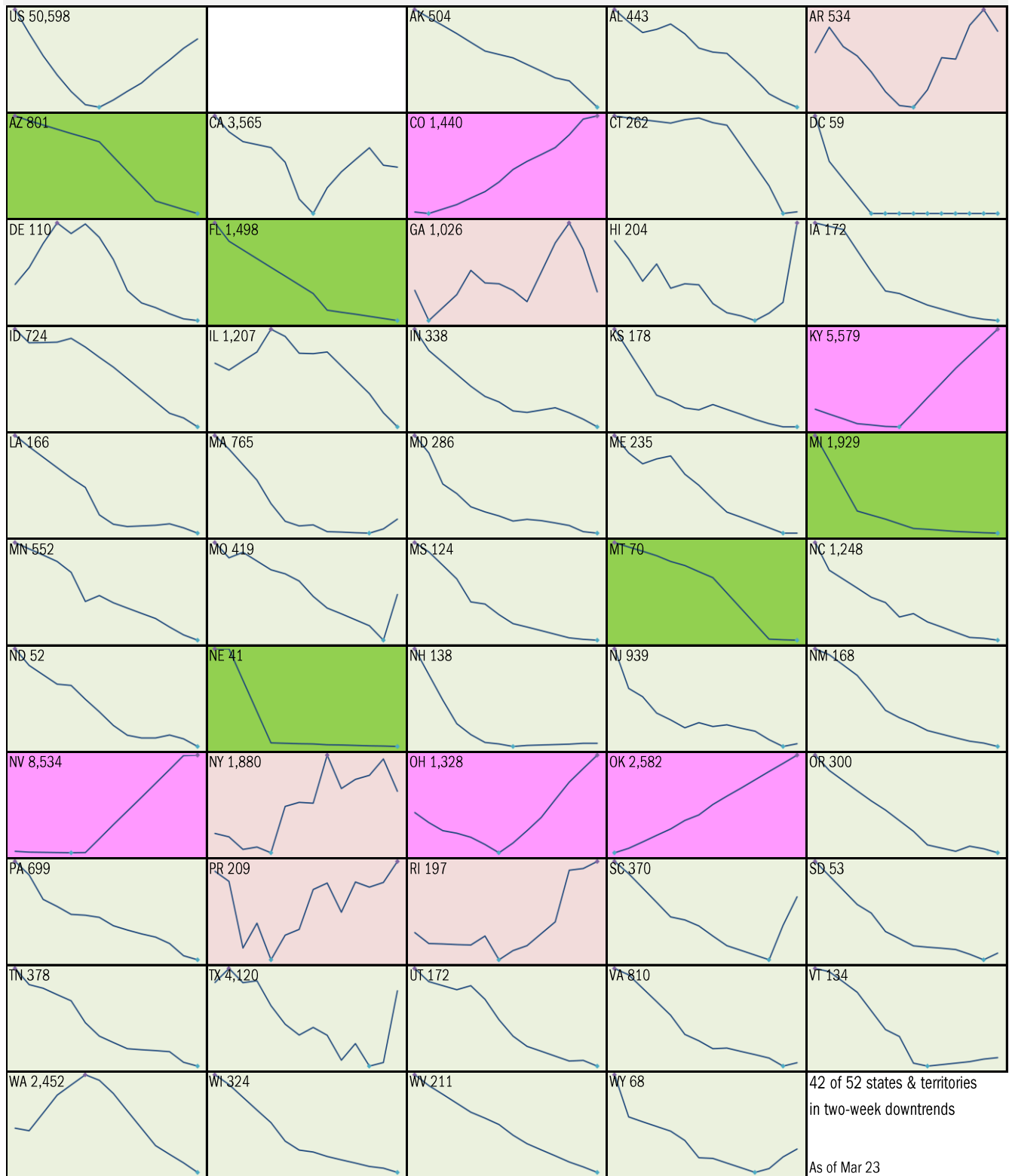


Source: [Johns Hopkins](#), TrendMacro calculations

14-day 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



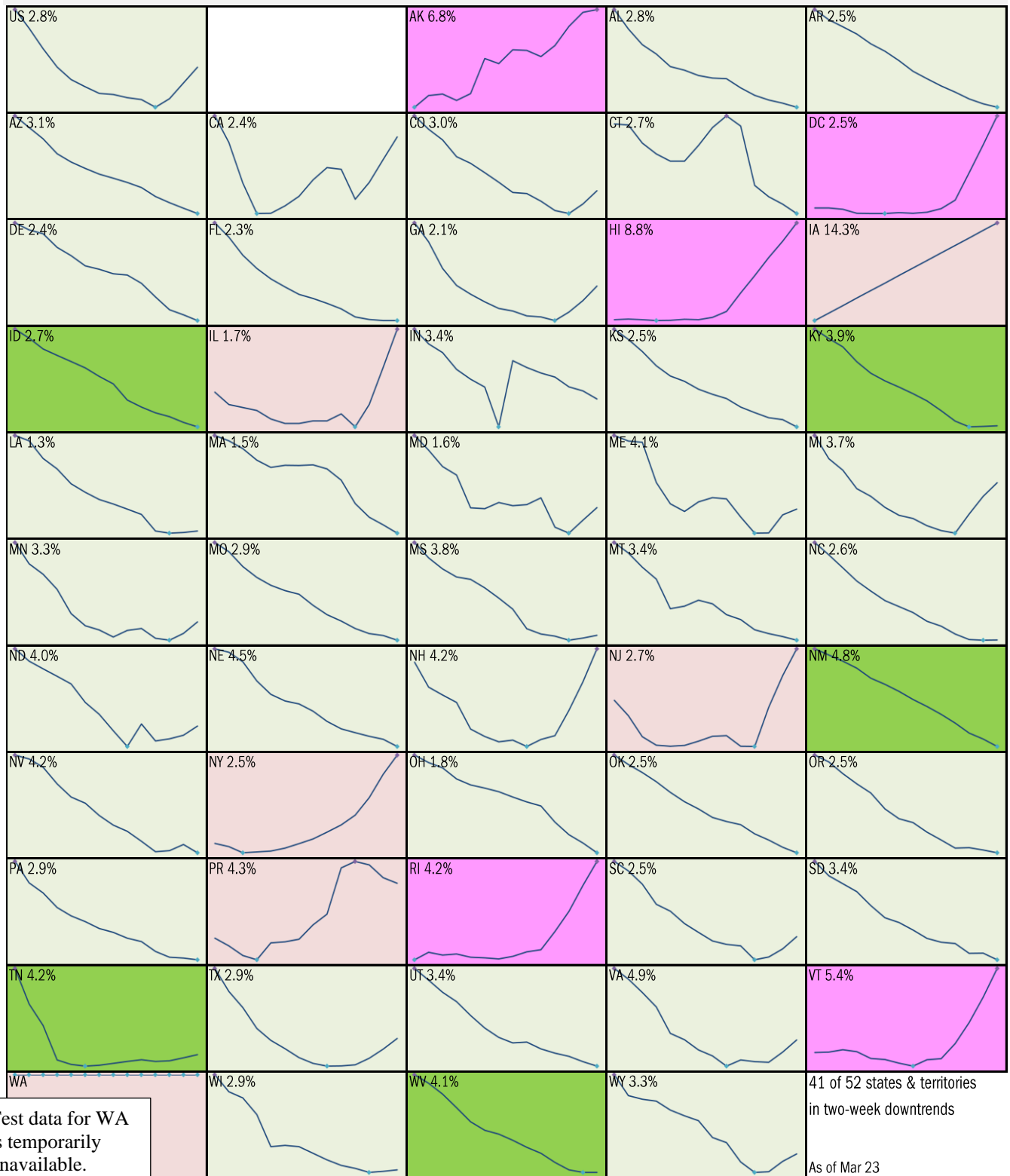
As of Mar 23

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

14-day 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

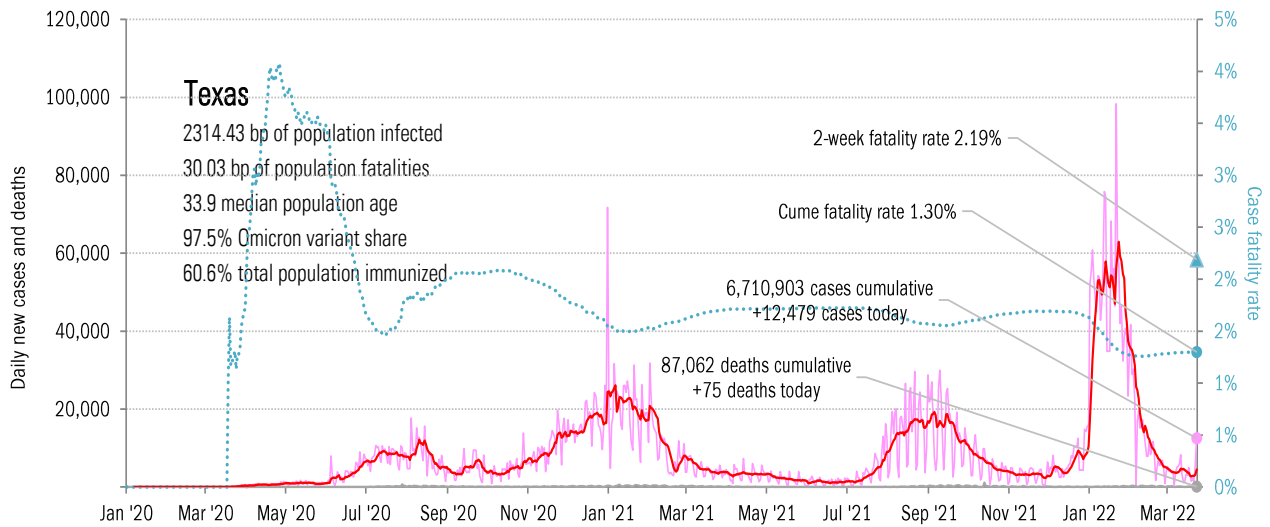
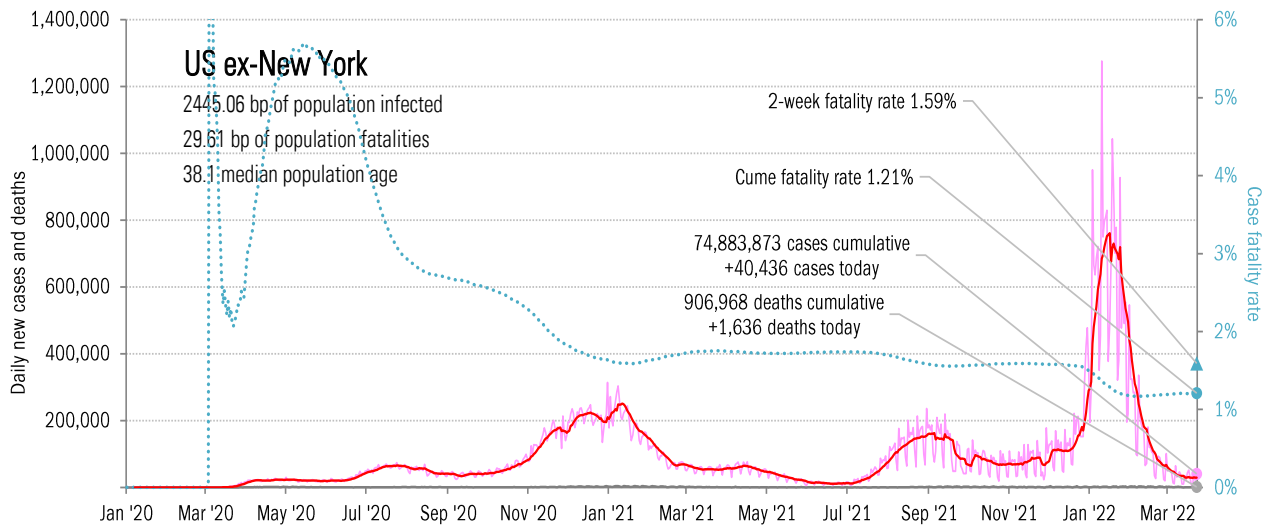
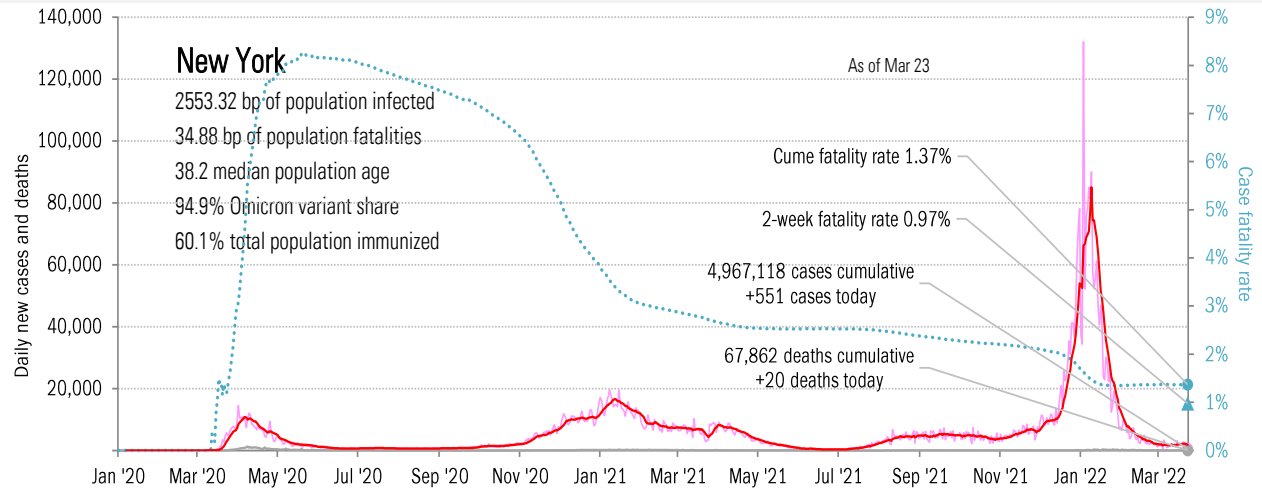


41 of 52 states & territories
in two-week downtrends
As of Mar 23

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

From Ground Zero to the Rio Grande

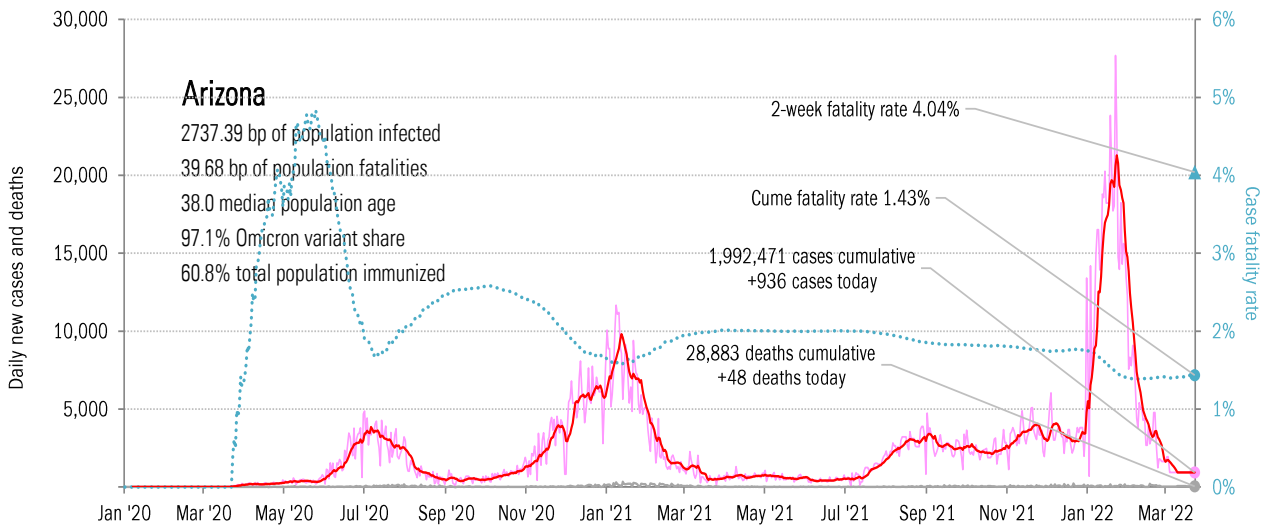
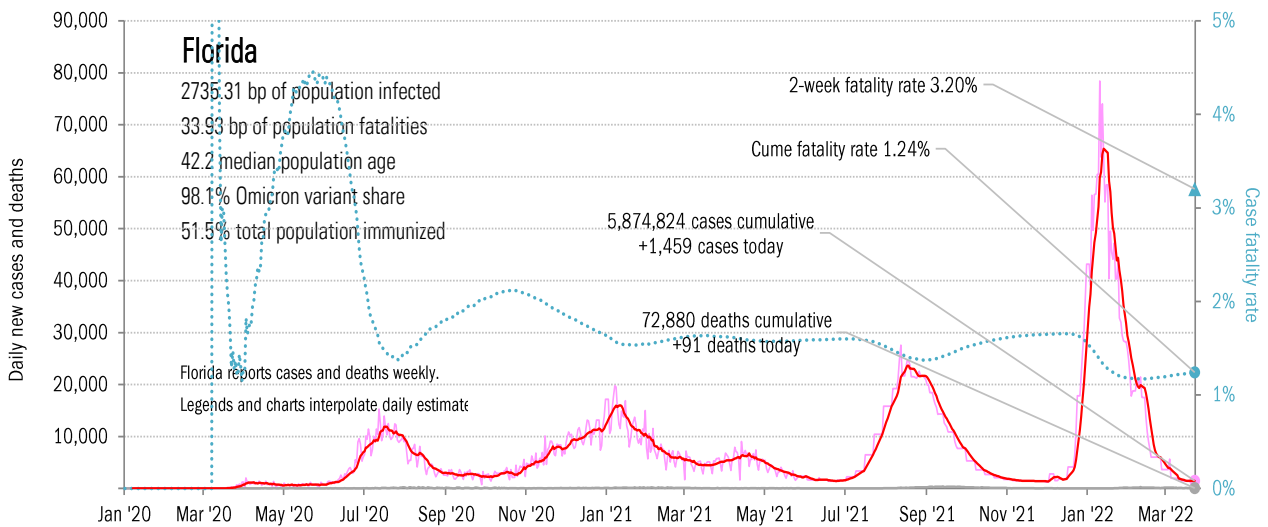
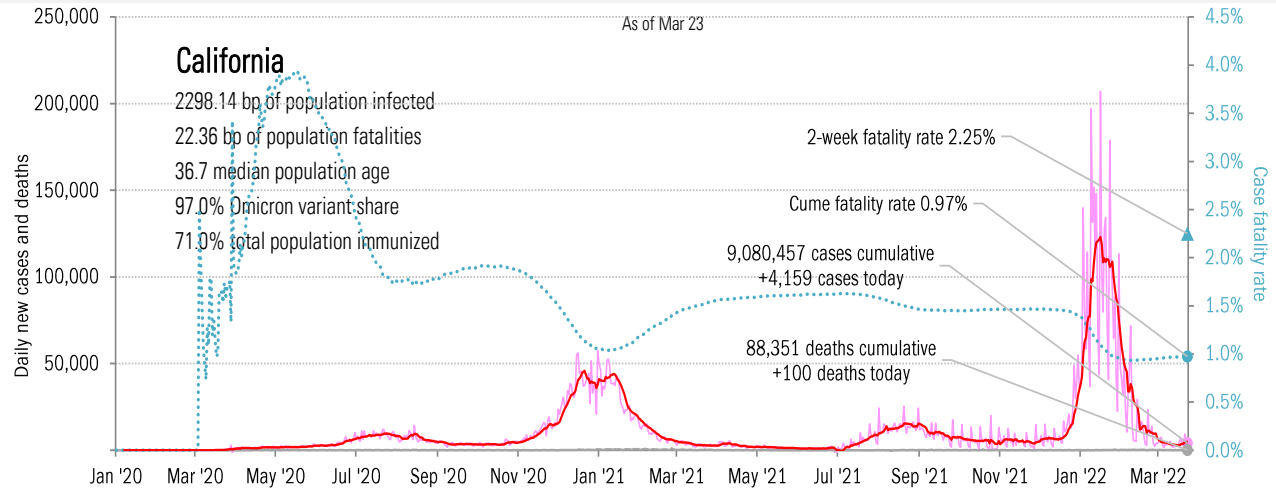
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

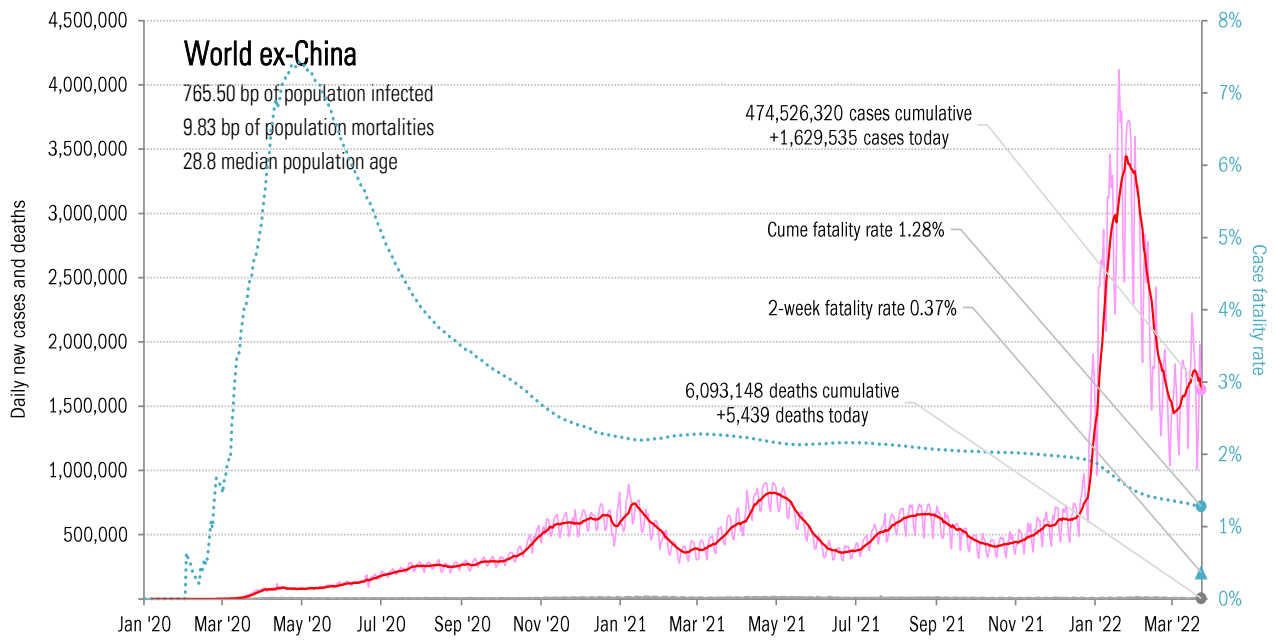
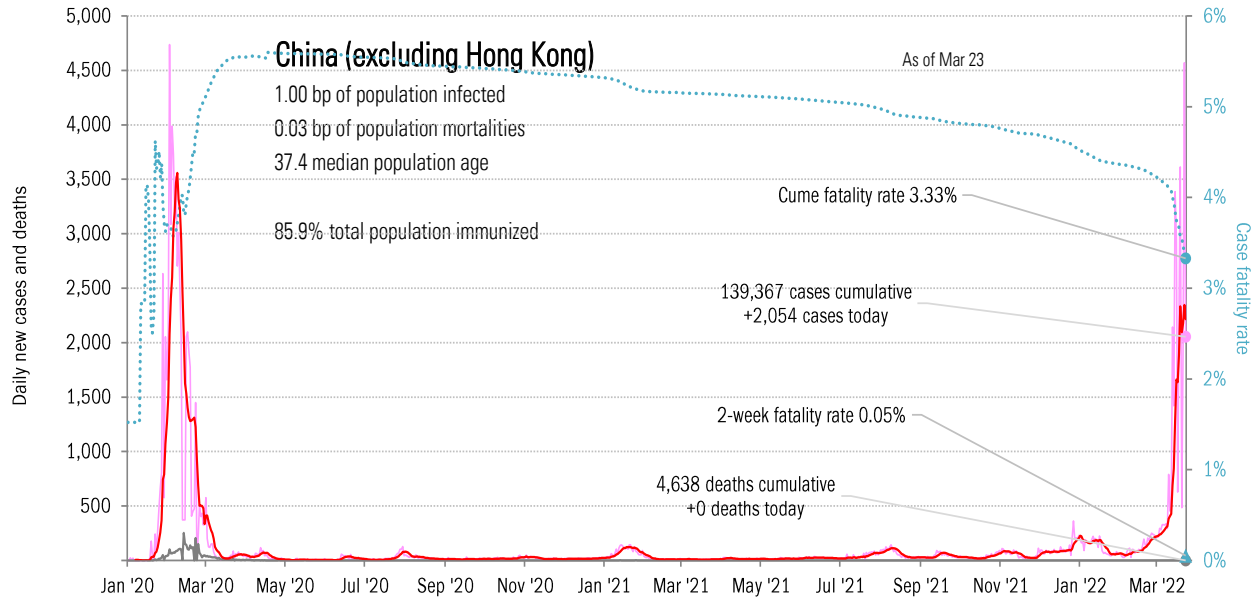
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

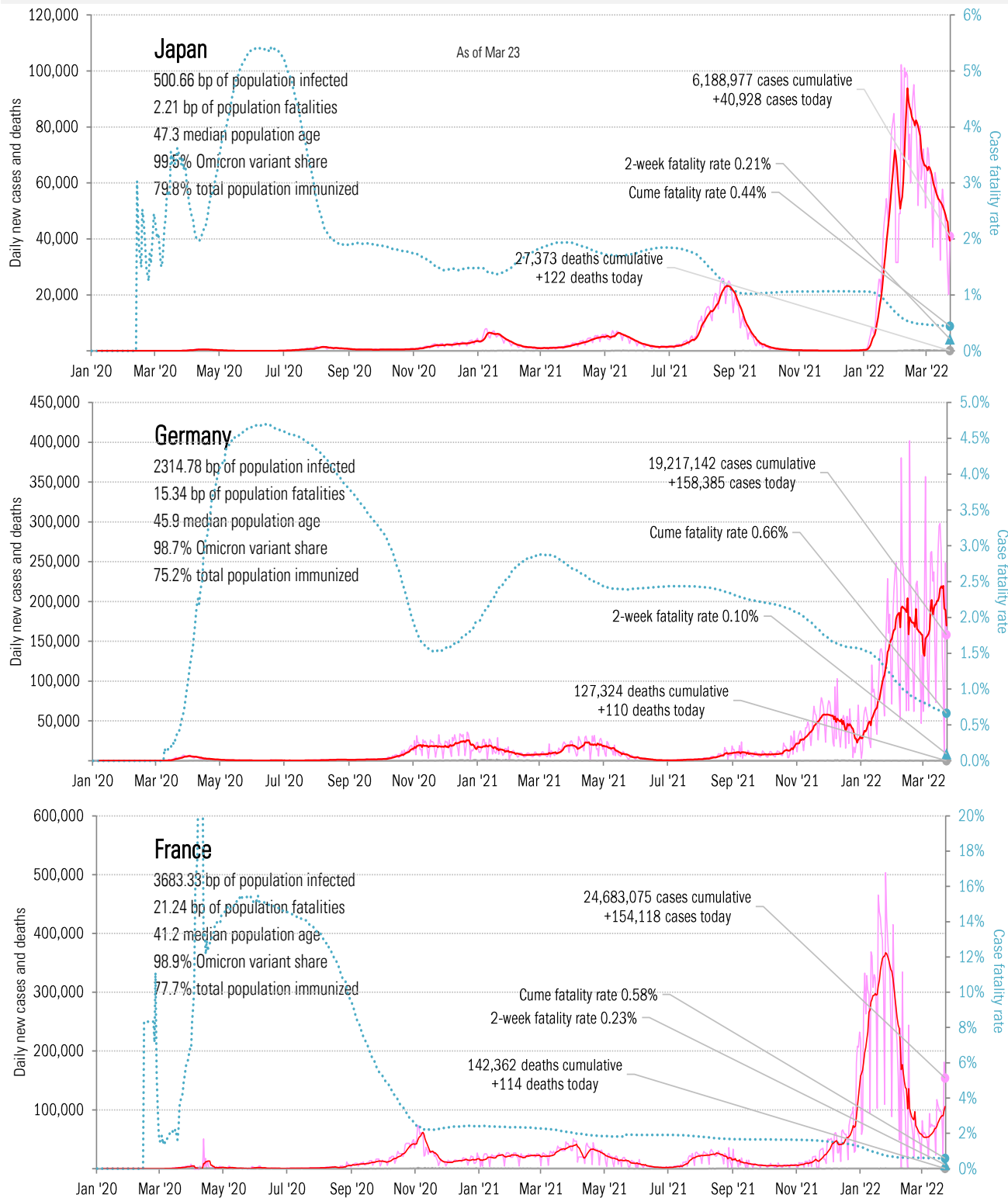
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

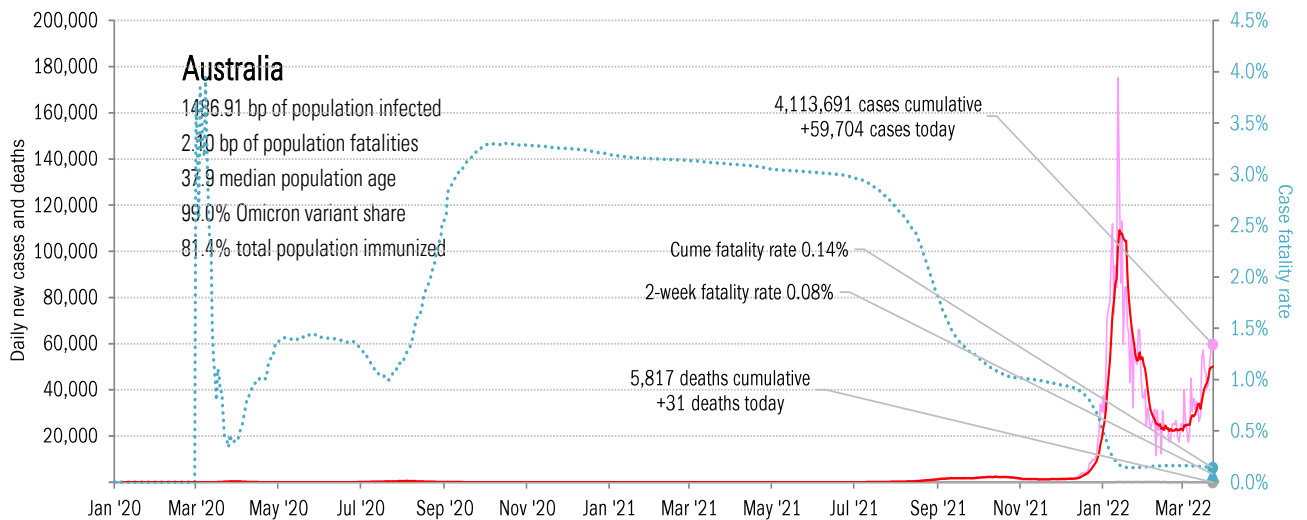
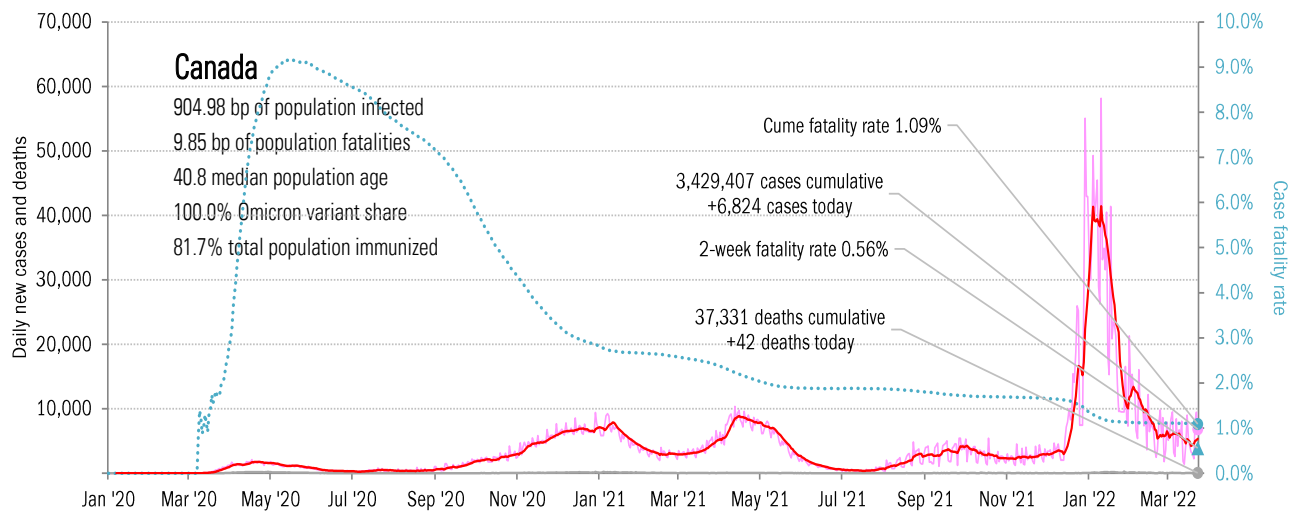
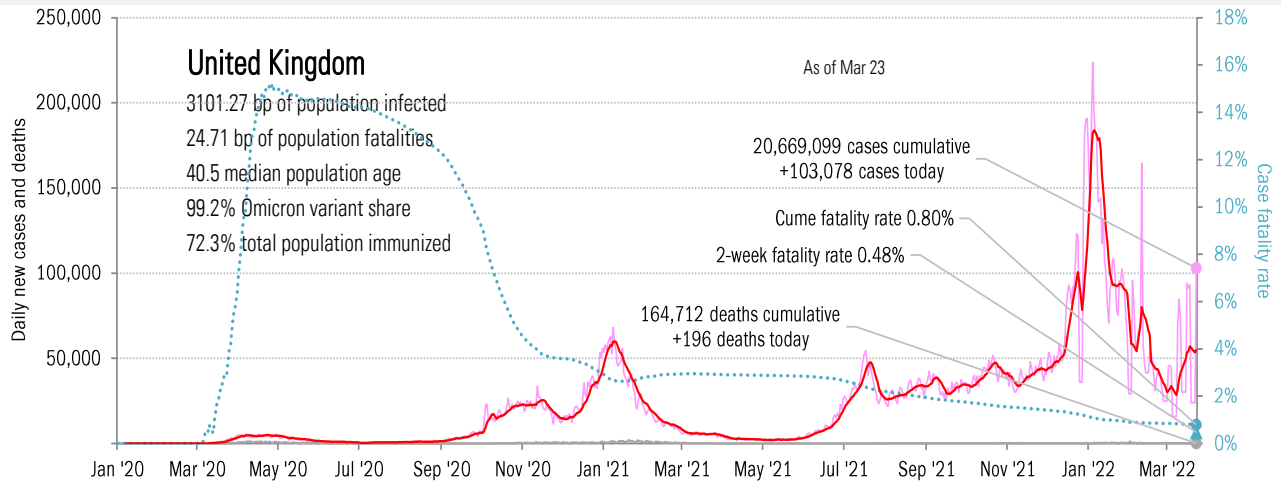
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

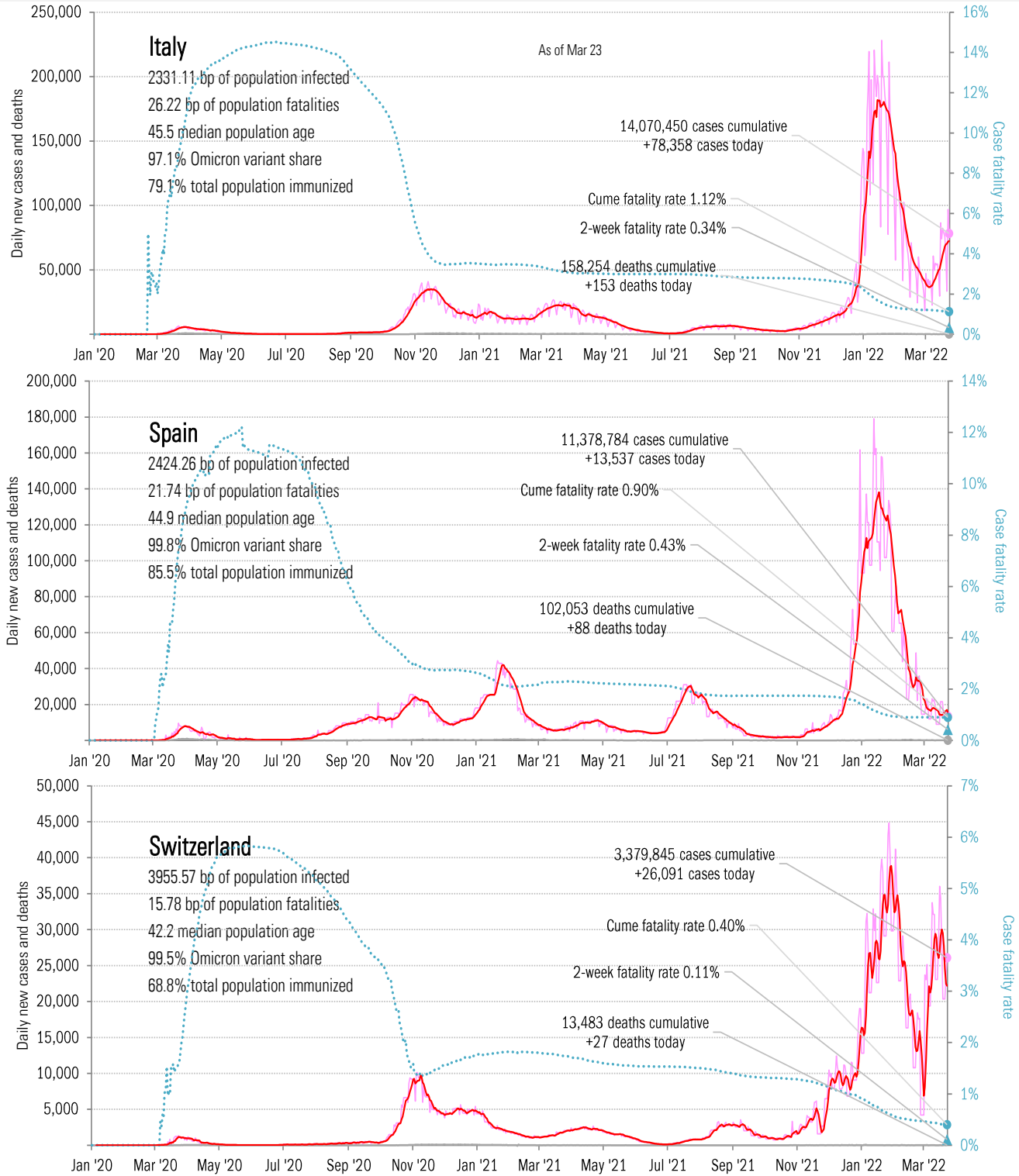
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

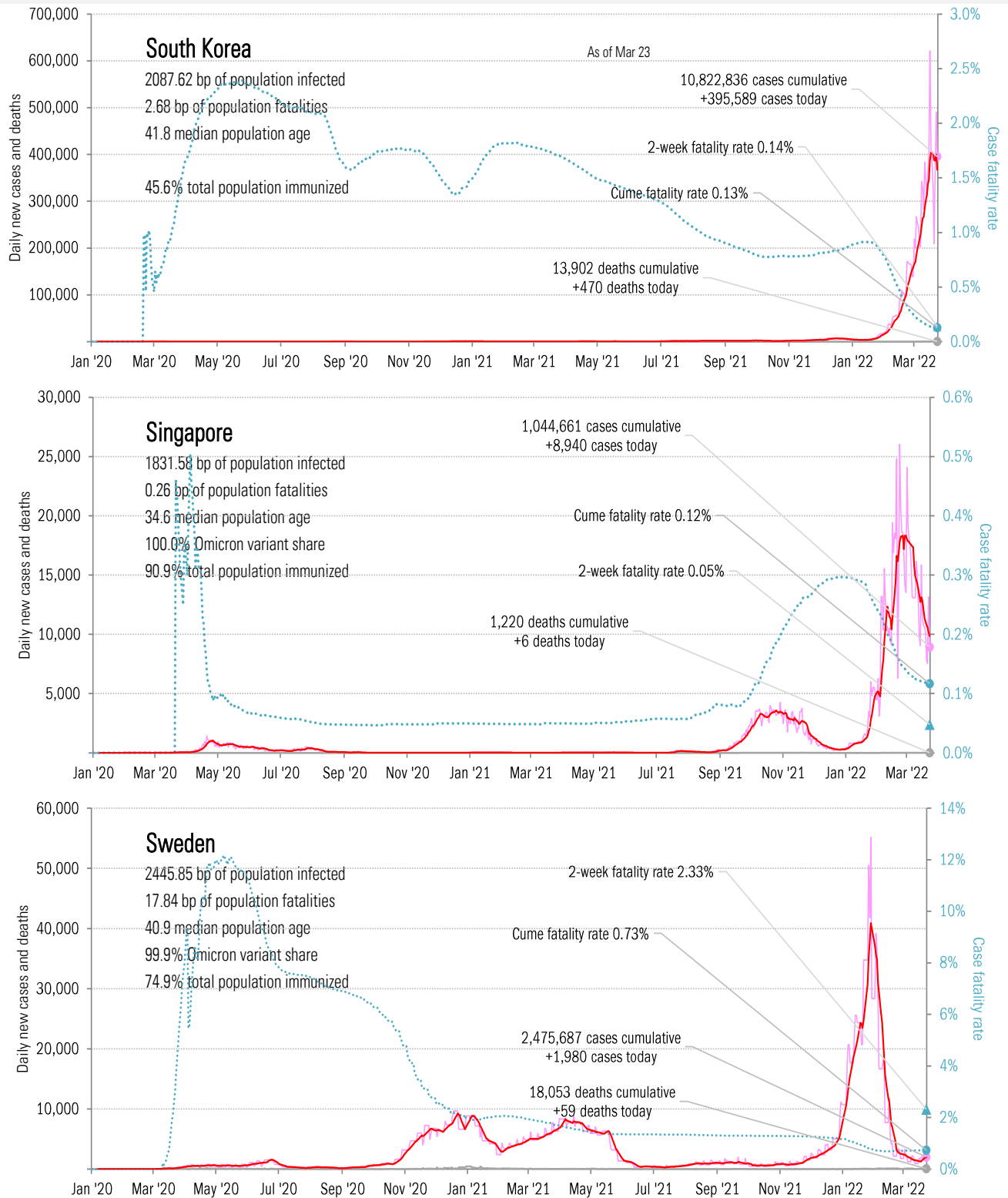
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

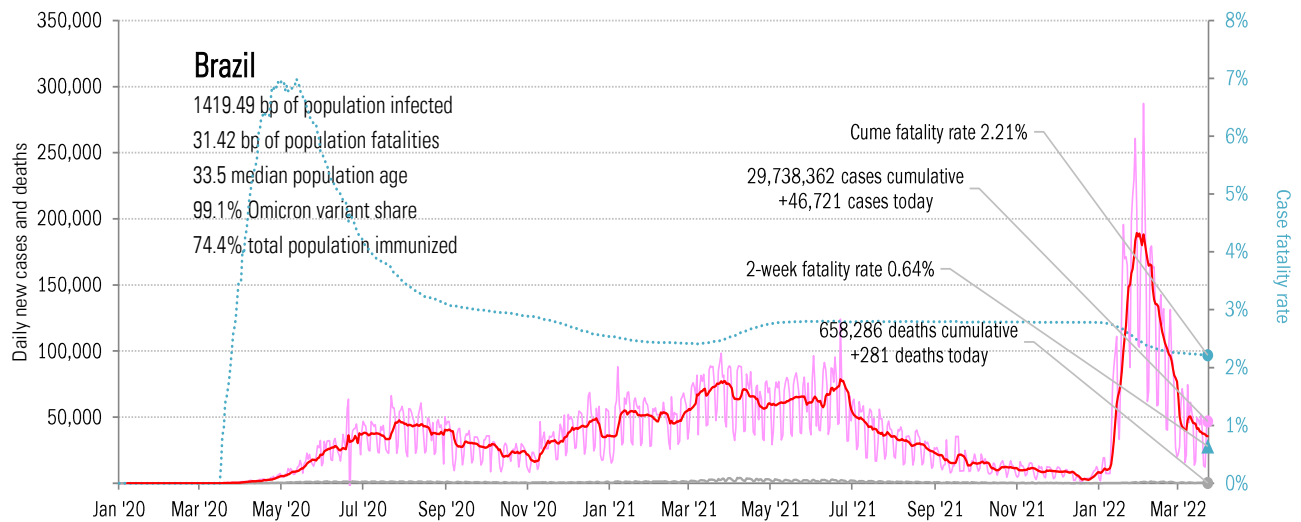
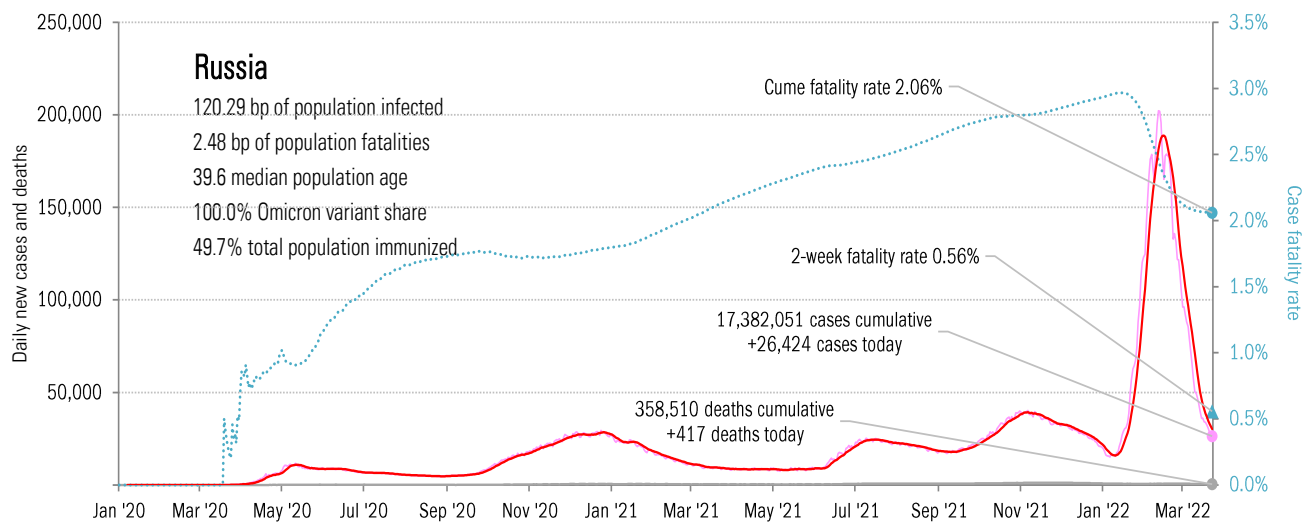
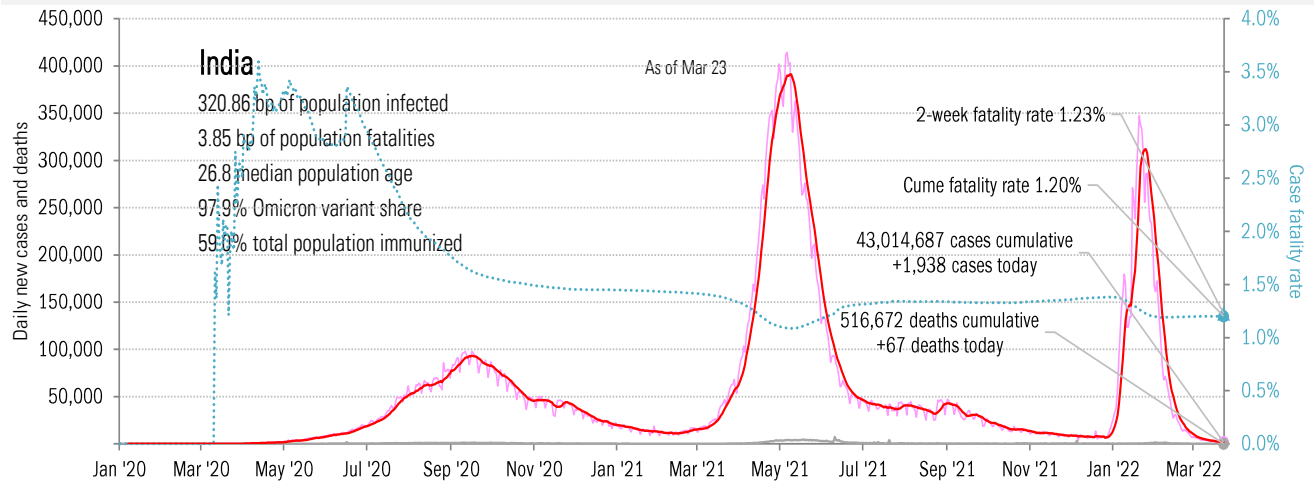
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

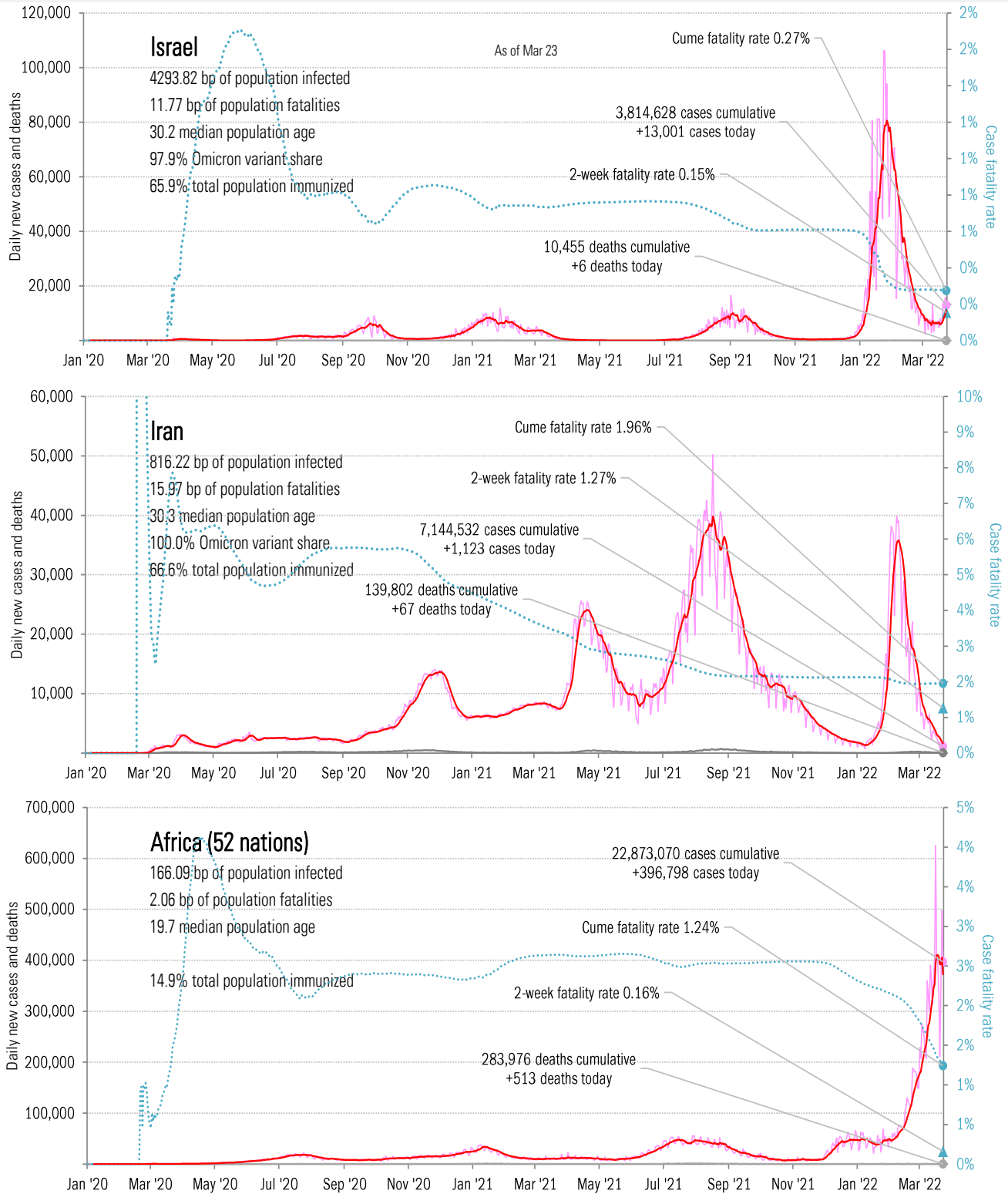
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

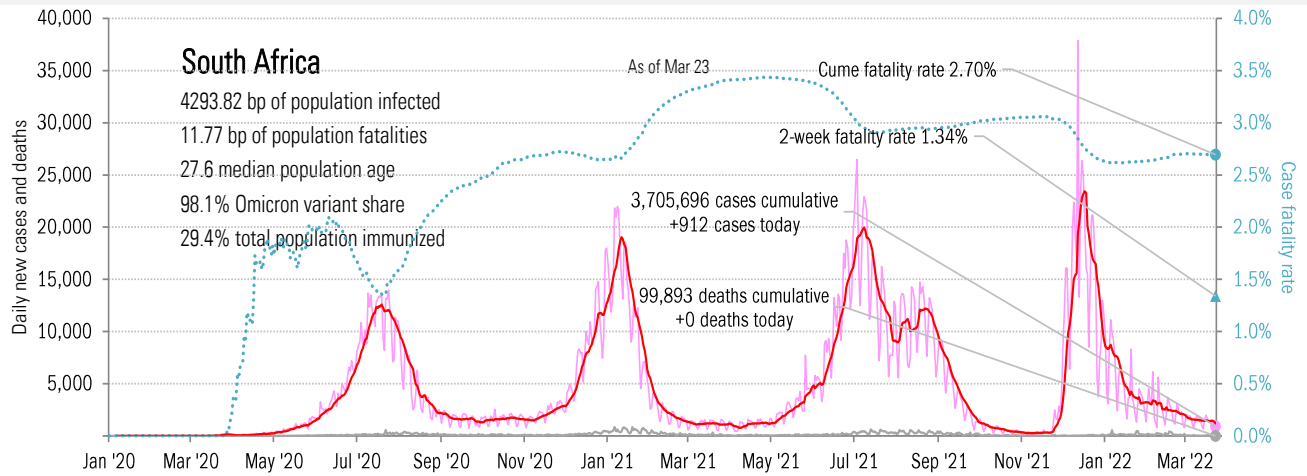
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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