

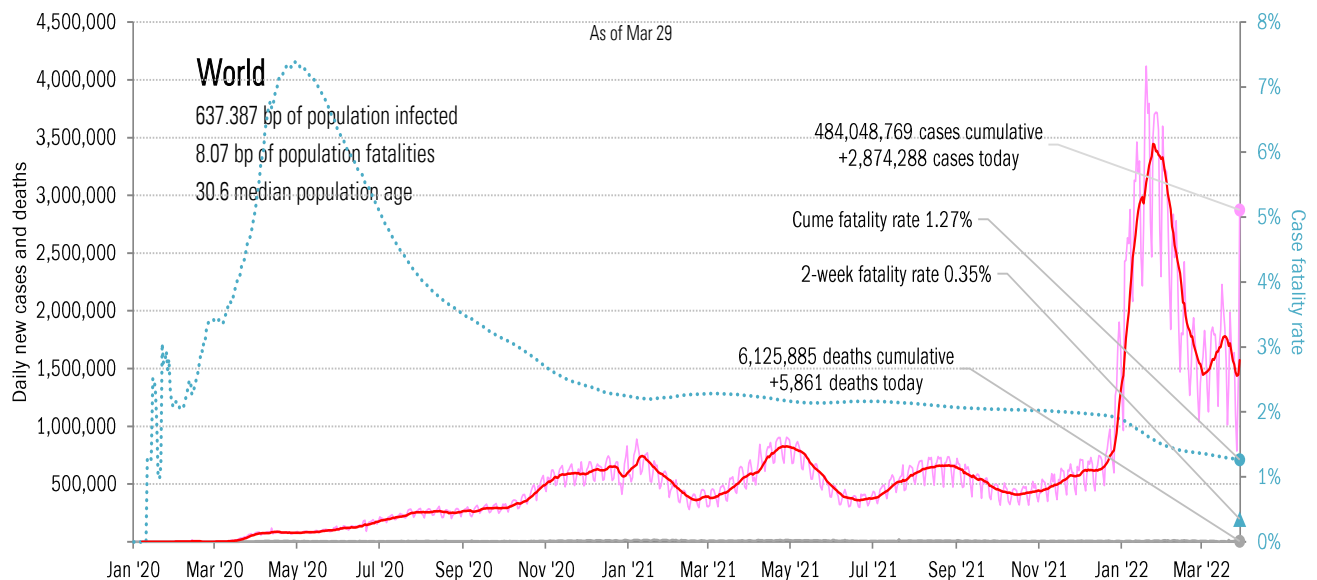
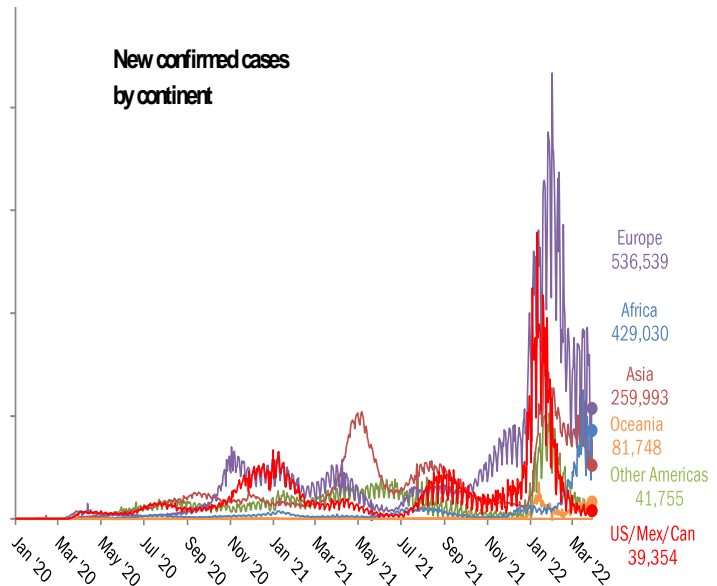
Data Insights: Covid-2019 Monitor

Wednesday, March 30, 2022

The global scorecard

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

The worst ten countries			
New cases		New Deaths	
Korea, South	424,528	Germany	1,524
France	217,669	United States	1,003
Vietnam	111,640	Korea, South	432
Italy	100,296	Bolivia	405
United Kingdom	81,462	Russia	327
Australia	65,523	United Kingdom	305
Spain	56,633	Brazil	281
Japan	44,365	Italy	177
Netherlands	30,983	France	164
Brazil	29,550	Tunisia	158
1,162,649		4,776	
World	2,874,288	World	5,861
Top ten	40%	Top ten	81%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

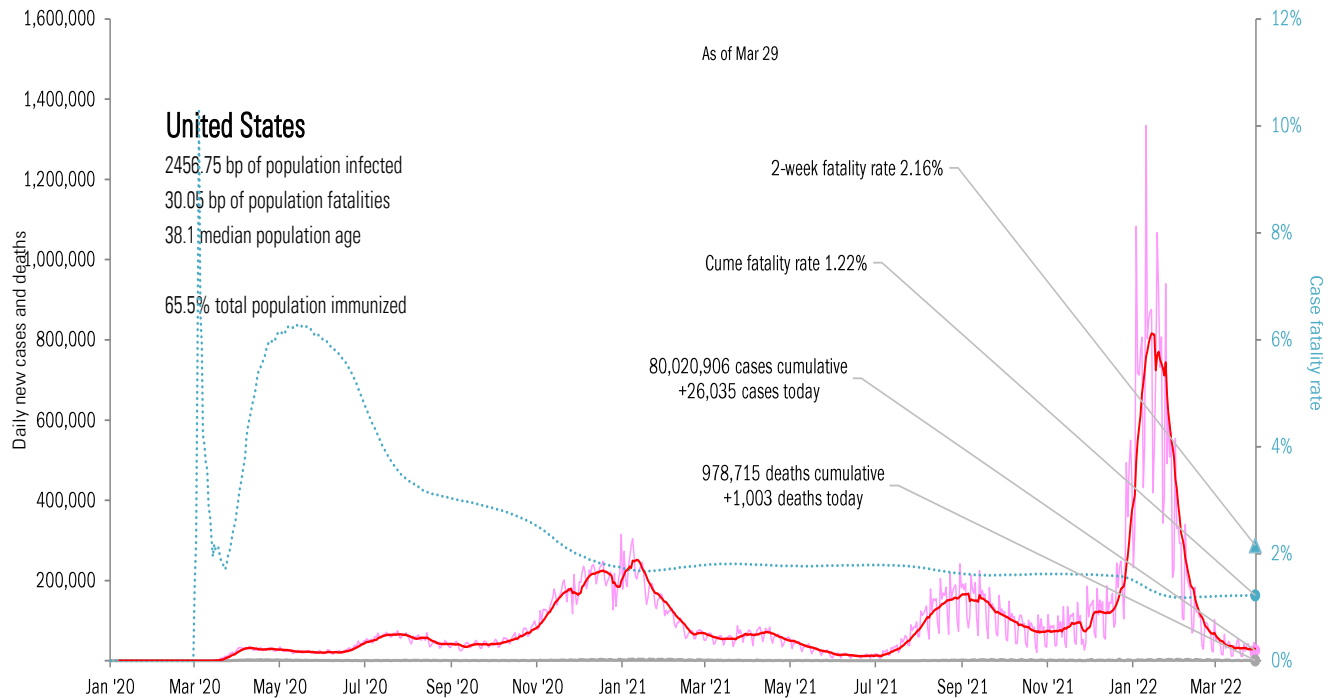
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	5,425		TX	263		IN	29		CA	9,096,593		CA	88,758		TX	486,677		RI	86%	TX	86%
NY	2,394		SC	98		NM	18		TX	6,732,766		TX	87,308		CA	422,018		WA	81%	RI	86%
FL	2,392		MO	86		DE	7		FL	5,886,782		FL	73,203		FL	413,057		MA	80%	NM	82%
IL	1,586		NE	70		VA	32		NY	4,987,844		NY	67,953		NY	244,584		MN	78%	WA	77%
CO	1,342		WV	51		MA	30		IL	3,065,321		PA	44,238		GA	206,418		MO	78%	DE	76%
CA	1,279		AL	46		DC	3		PA	2,779,921		CH	37,793		CH	189,960		PA	78%	CK	76%
SC	1,025		FL	44		NV	16		CH	2,669,698		GA	36,868		PA	175,344		DC	78%	AL	76%
NJ	1,007		GA	43		TN	24		NC	2,627,220		IL	35,781		IL	156,238		WV	77%	MS	76%
MN	970		OR	41		AR	10		GA	2,487,464		MI	35,578		MI	140,468		MD	77%	AK	75%
MA	949		PA	27		GU	0		MI	2,385,536		NJ	33,225		KY	132,453		GA	77%	KY	75%
18,369			769			169			42,719,145			540,705			2,567,217						
All states	26,035		1,003		1,225		All states	80,020,906		978,715		4,661,895		All states	70%	67%					
Top ten	71%		77%		14%		Top ten	53%		55%		55%		Median	72%	68%					

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-6,076	KY	-236	CA	-87	DE	+10 bp
KY	-5,530	CA	-129	AZ	-36	ID	+10 bp
WA	-2,024	FL	-88	MN	-34	KS	+10 bp
AL	-1,740	RI	-82	NJ	-23	MD	+10 bp
MA	-1,675	WI	-76	WI	-23	NJ	+10 bp



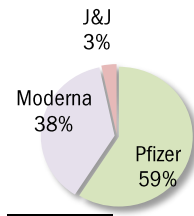
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	575,222,979		+0.103 million	US	65.5%	76.9%
Boosters	98,668,367		+0.043 million	UK	72.4%	77.4%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	263,029,592	79%	223,742,073	67%	+0.029 million	France 77.8% 80.1%
Age 12 to 17	17,533,889	69%	14,957,997	59%	+0.004 million	Spain 85.8% 88.0%
Age 18 to 64	177,203,756	87%	150,304,707	74%	+0.015 million	Germany 75.2% 75.9%
Age 65 and over	58,286,141	100%	50,484,369	92%	+0.002 million	Italy 79.2% 84.0%

Israel	66.0%	72.1%
Canada	81.8%	85.8%
Japan	79.8%	81.2%
Africa	15.2%	20.5%
India	59.4%	70.6%
Brazil	74.8%	84.5%
China	85.9%	88.3%

Global data differs due to sources, timing



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



AK
69.2%
61.7%

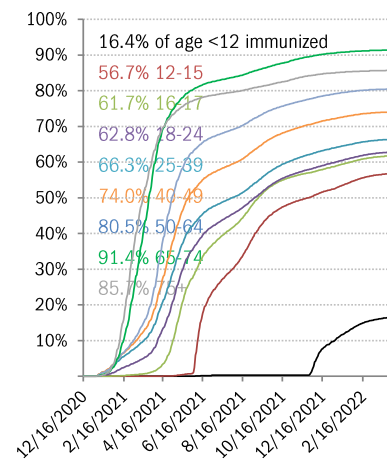
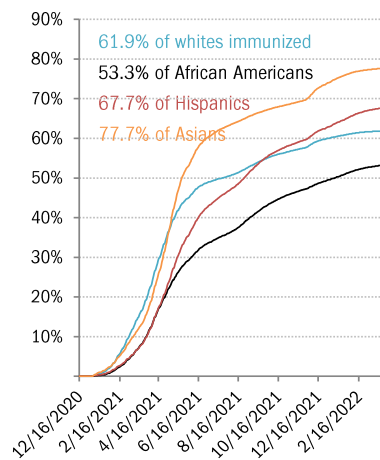
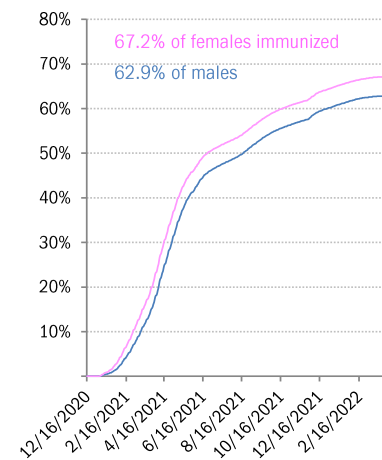
Immunity = two doses

As of Mar 29

					WI 71.4% 65.1%					ME 89.4% 78.8%
WA 80.3% 72.0%	ID 60.7% 53.6%	MT 64.8% 56.3%	ND 64.6% 54.6%	MN 74.7% 68.7%	IL 76.4% 68.2%	MI 66.6% 59.7%		NY 89.5% 76.1%	VT 92.8% 80.5%	NH 88.2% 68.2%
OR 77.4% 69.1%	NV 74.6% 60.2%	WY 58.4% 51.0%	SD 75.5% 60.4%	IA 67.6% 61.5%	IN 61.1% 54.5%	OH 63.2% 58.0%	PA 84.0% 67.6%	NJ 89.7% 74.9%	MA 95.0% 78.1%	
CA 82.5% 71.1%	UT 71.6% 63.8%	CO 78.8% 69.7%	NE 69.7% 62.9%	MO 65.8% 55.6%	KY 65.8% 57.0%	WV 64.6% 57.1%	VA 85.0% 72.5%	MD 85.6% 74.8%	CT 94.6% 78.4%	RI 95.0% 81.5%
	AZ 72.2% 60.9%	NM 86.7% 70.3%	KS 74.0% 60.8%	AR 66.2% 53.9%	TN 61.7% 54.0%	NC 83.0% 59.8%	SC 67.1% 56.5%	DC 95.0% 72.8%	DE 82.3% 68.3%	
			OK 70.5% 56.5%	LA 60.7% 53.2%	MS 59.2% 51.4%	AL 62.3% 50.6%	GA 64.8% 54.1%			
			TX 72.1% 60.8%					FL 78.6% 66.4%		PR 95.0% 82.1%

HI
86.9%
77.7%

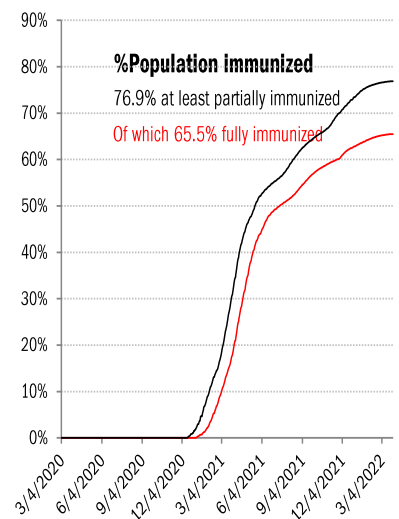
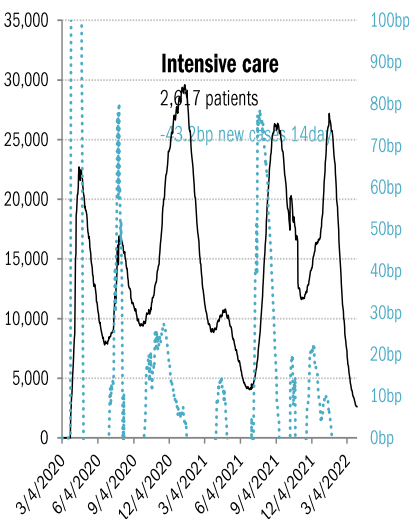
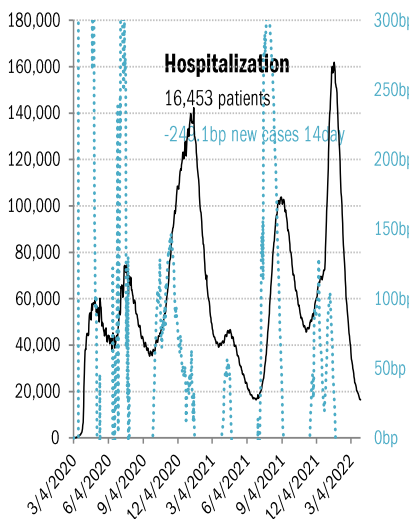
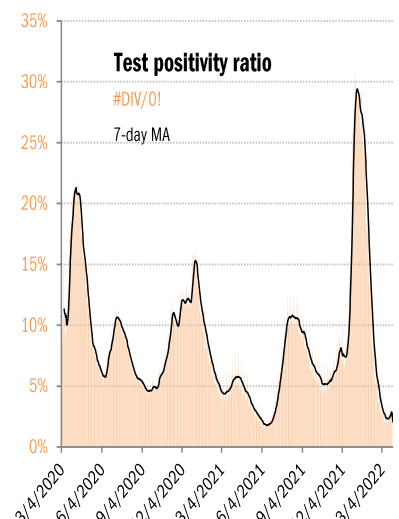
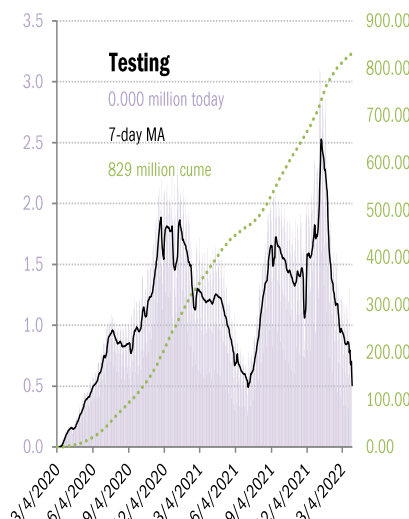
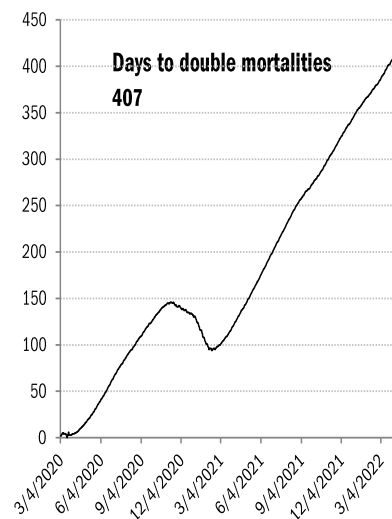
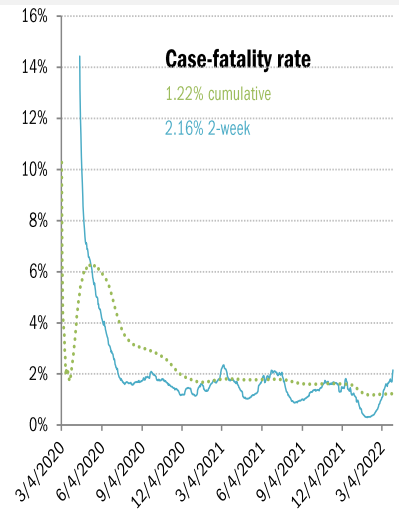
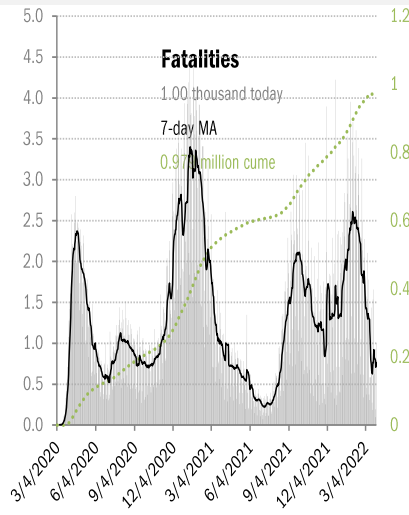
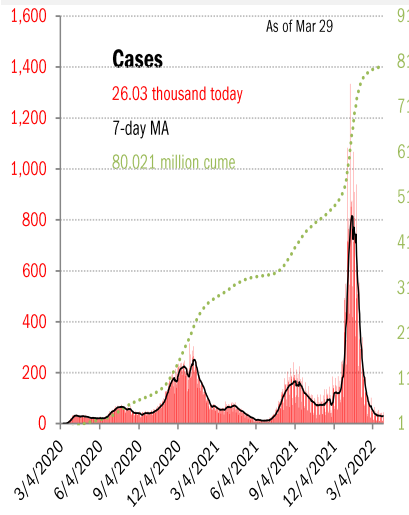
The demographics of US vaccination



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

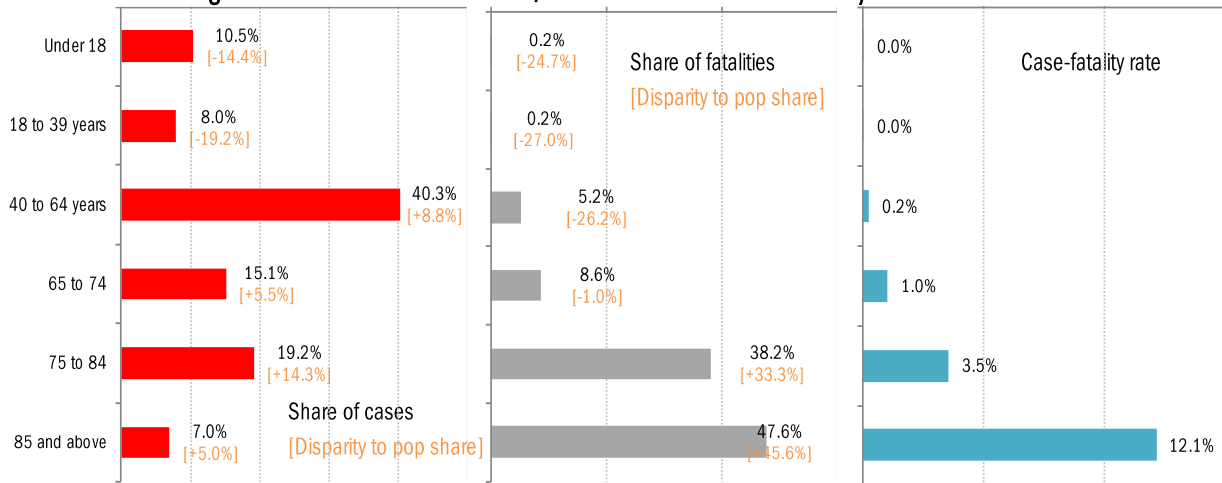
US deep-dive

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

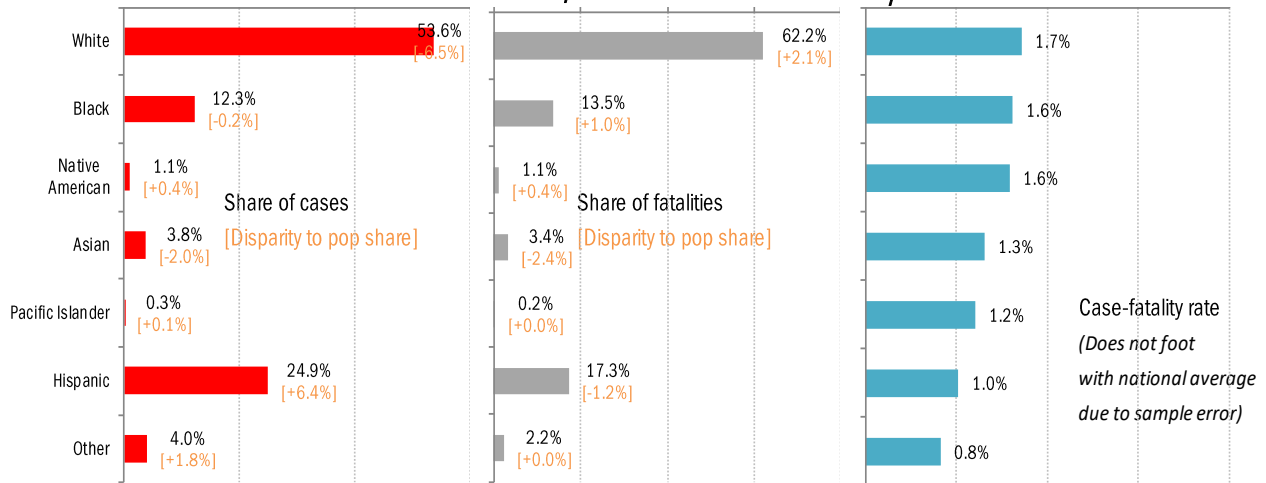


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

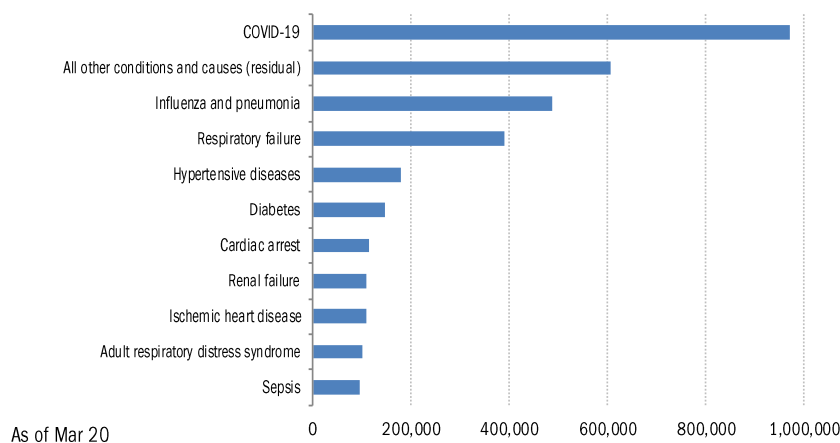


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[States Challenge Biden Administration's Mask Mandate for Public Transportation](#)

Jacob Gershman
Wall Street Journal
March 29, 2022

[Biden Administration Will Start Vaccinating Migrants at Border](#)

Eileen Sullivan
New York Times
March 28, 2022

[What to Know About the BA.2 Omicron Variant, the New Covid Strain](#)

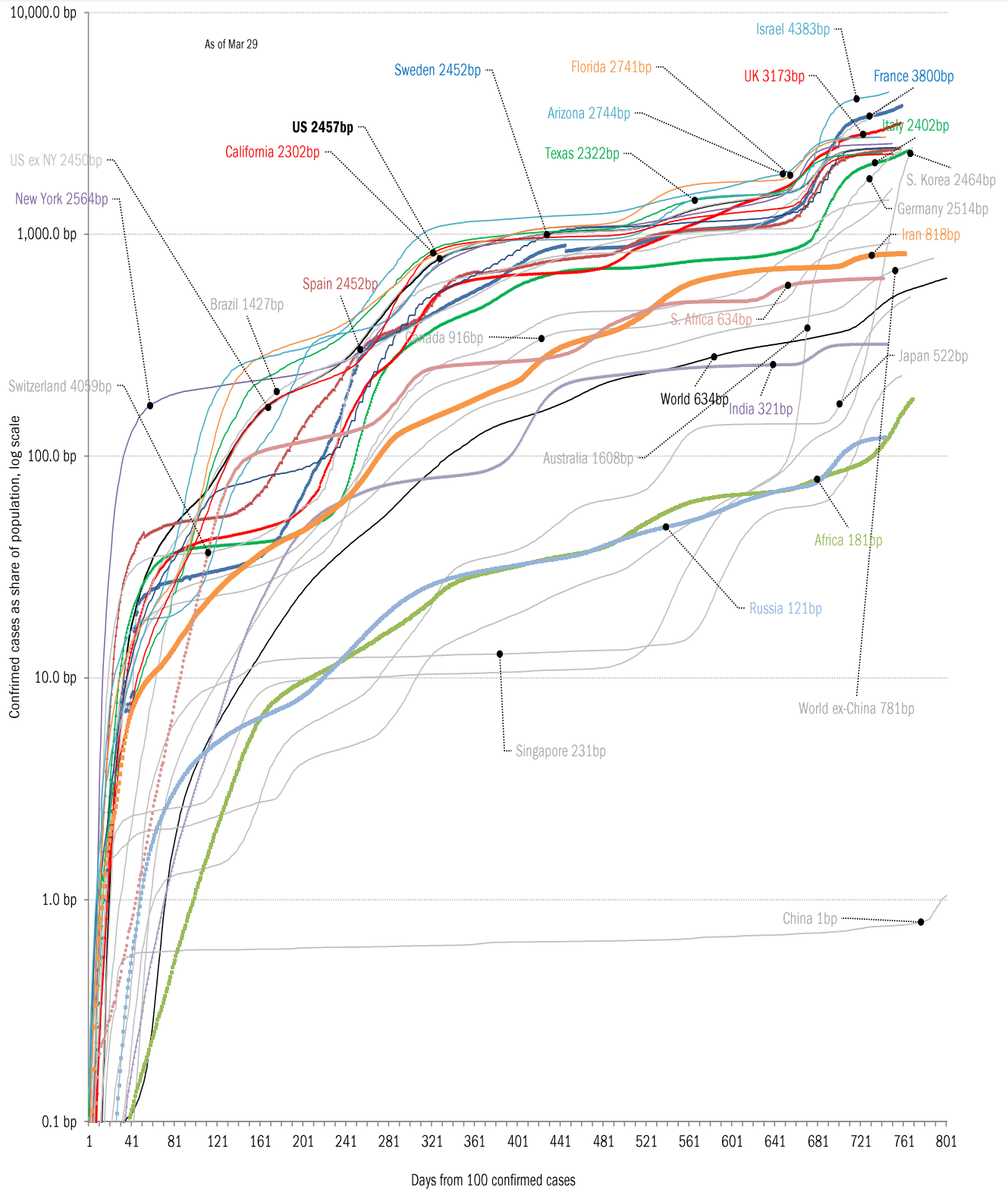
Renée Onque and Denise Roland
Wall Street Journal
March 29, 2022

Meme of the day



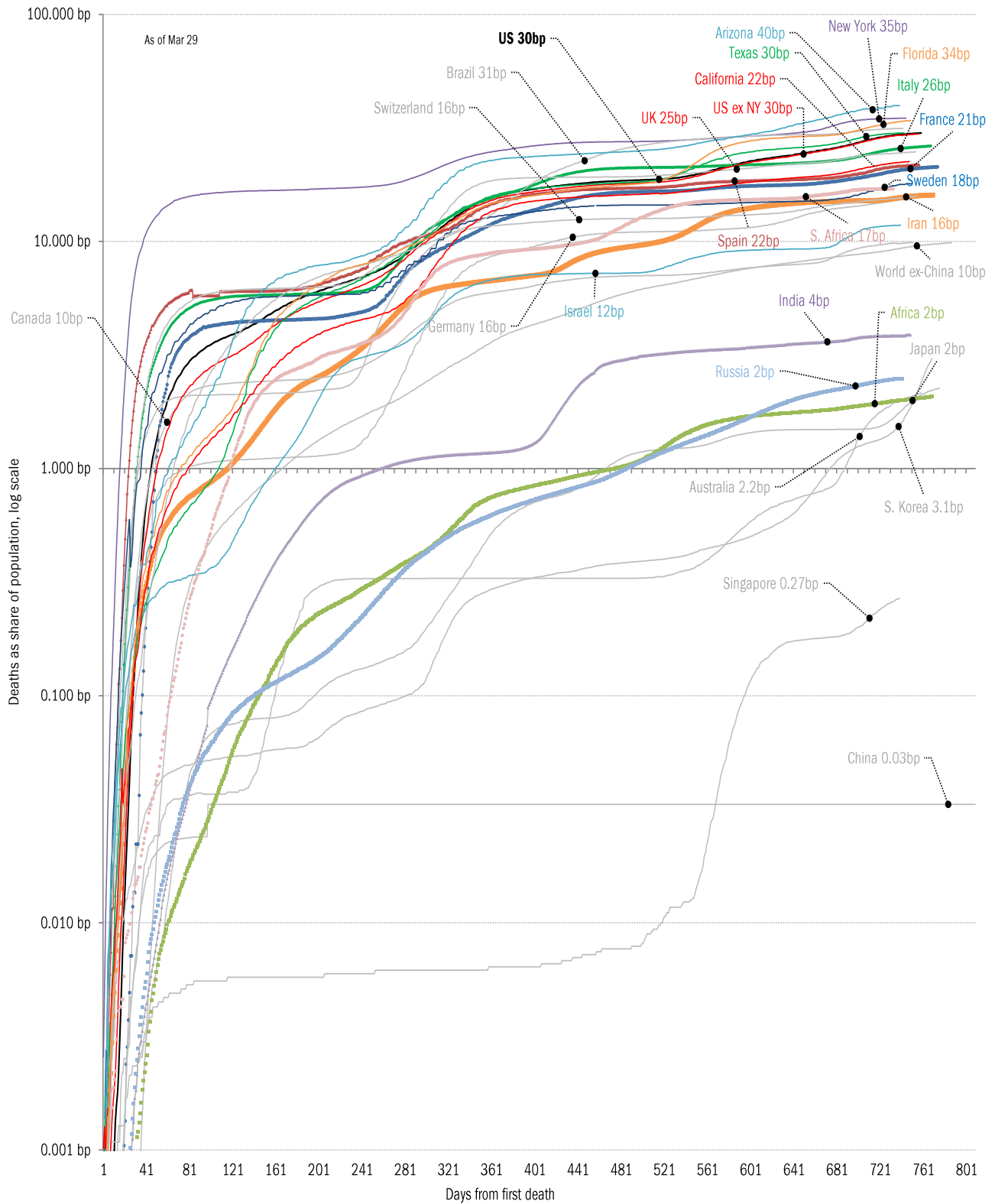
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

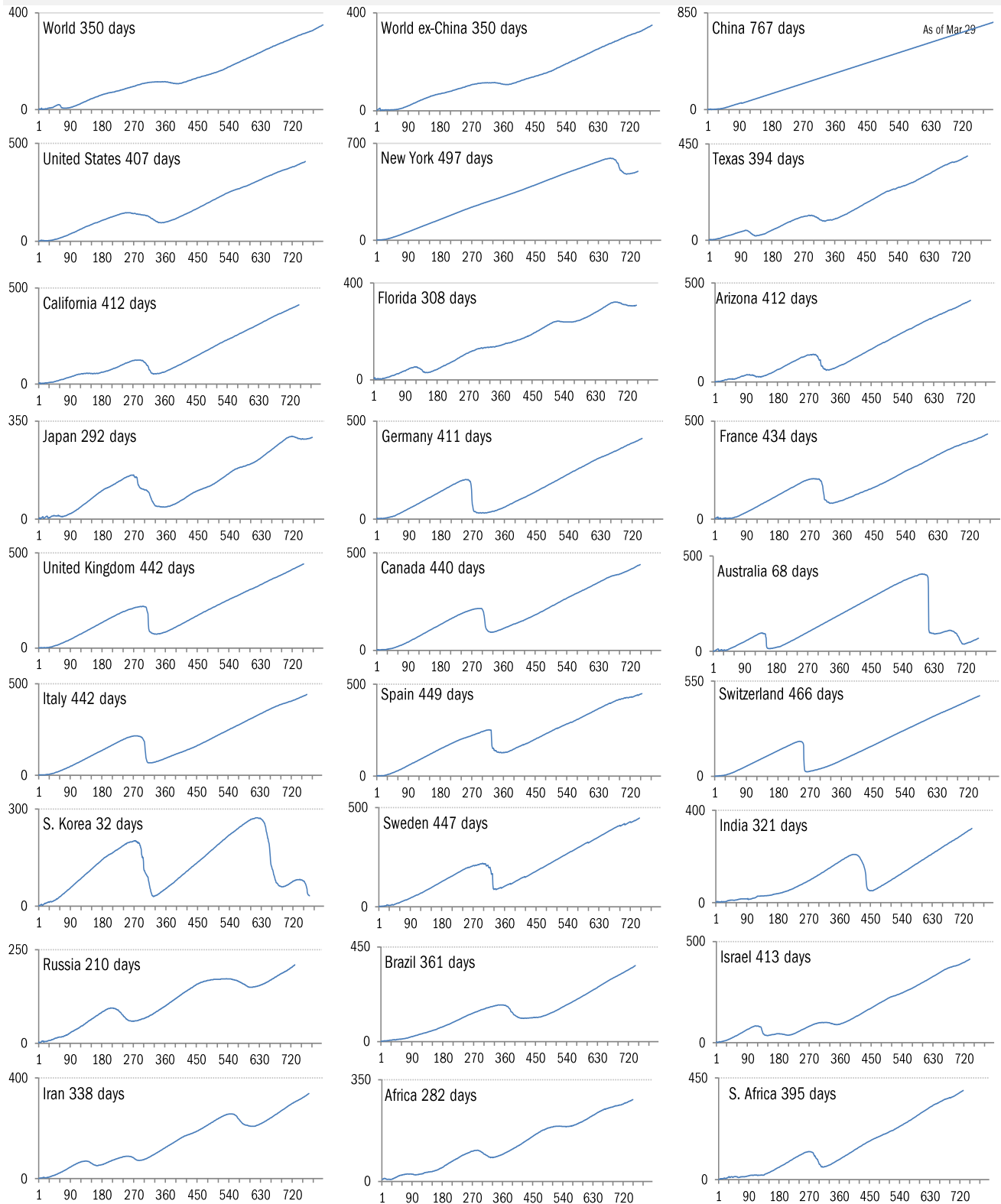


Source: [Johns Hopkins](#), TrendMacro calculations

"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

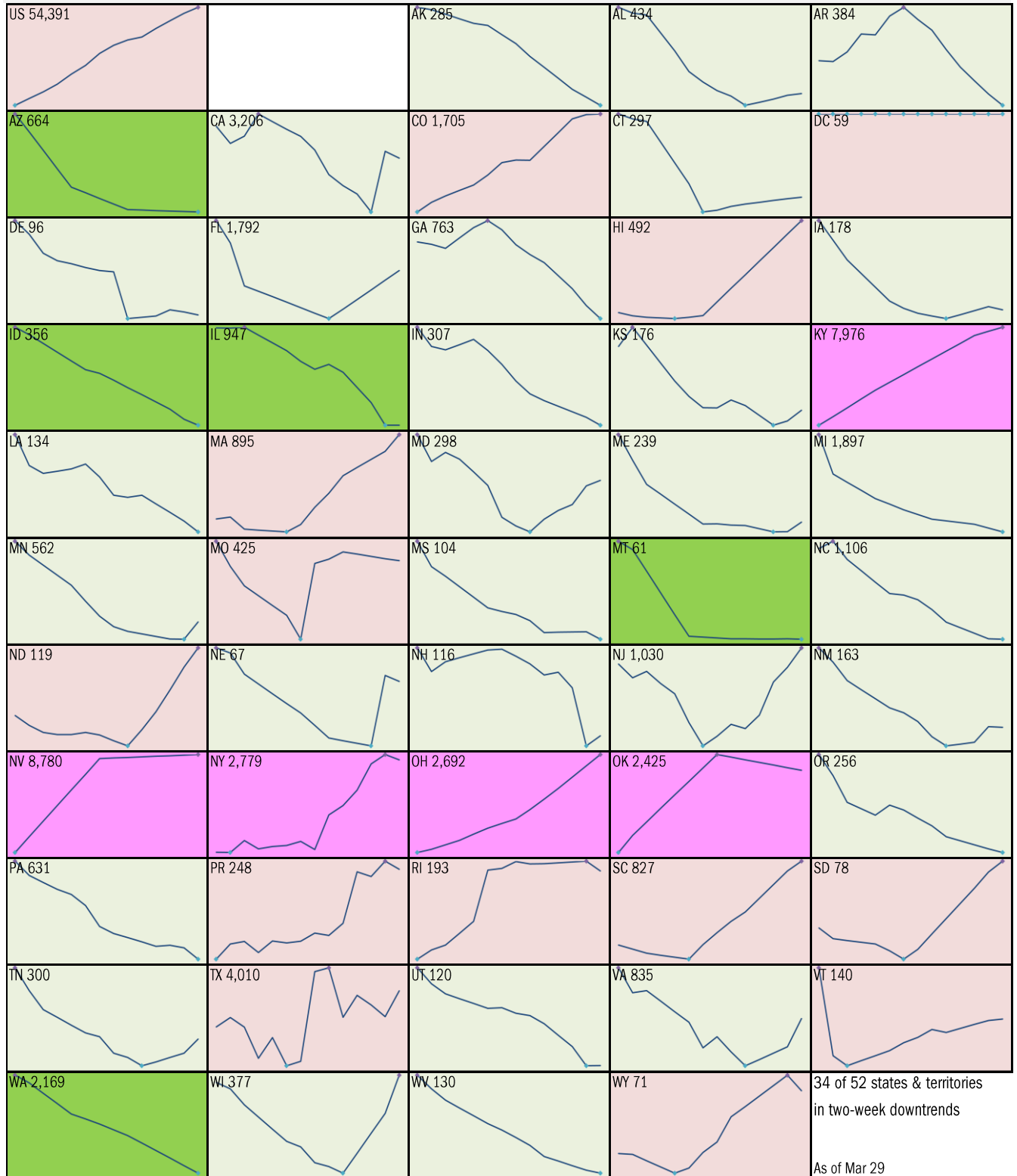


Source: [Johns Hopkins](#), TrendMacro calculations

14-day 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

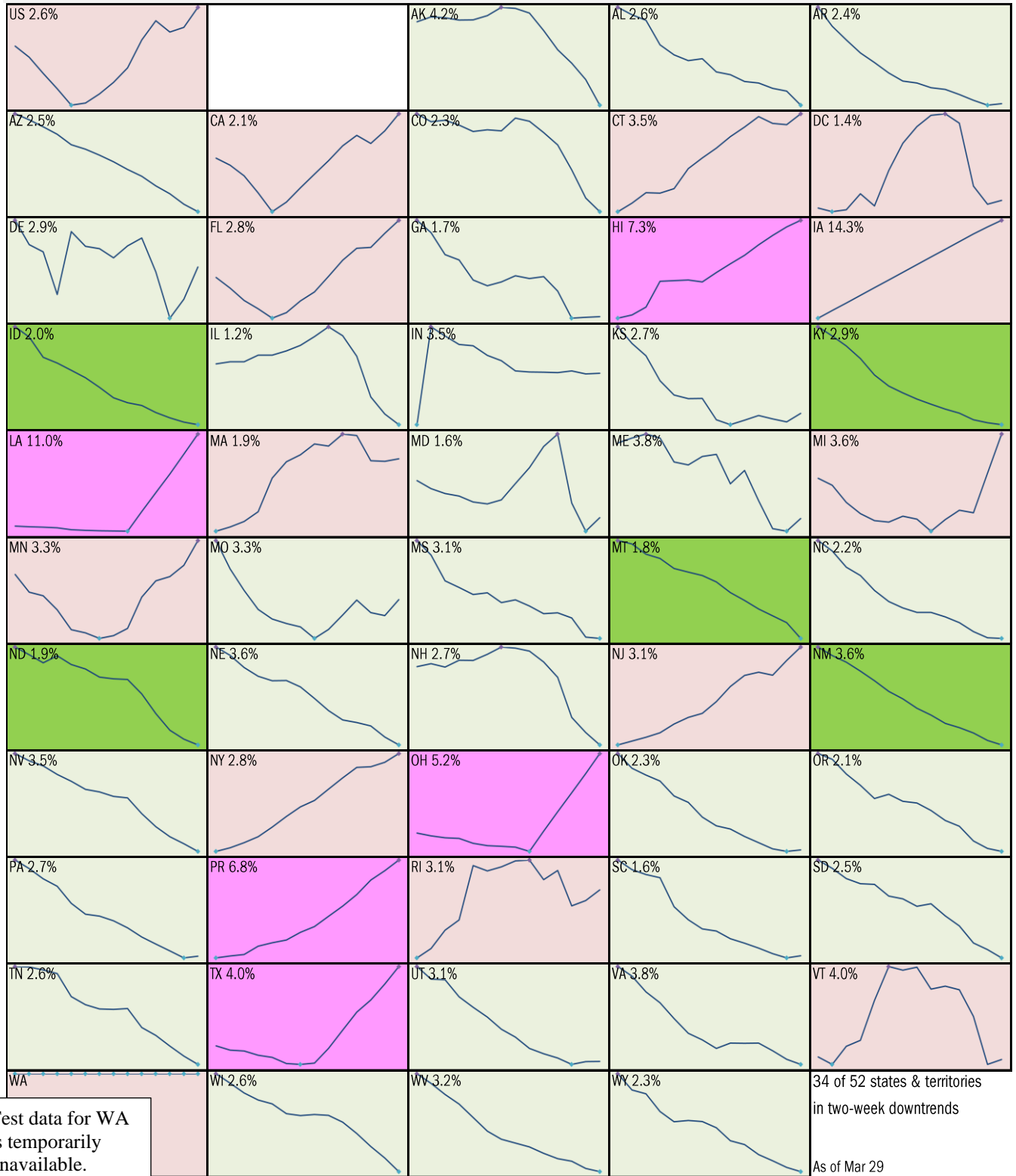


Source: [Johns Hopkins](#), TrendMacro calculations

14-day 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

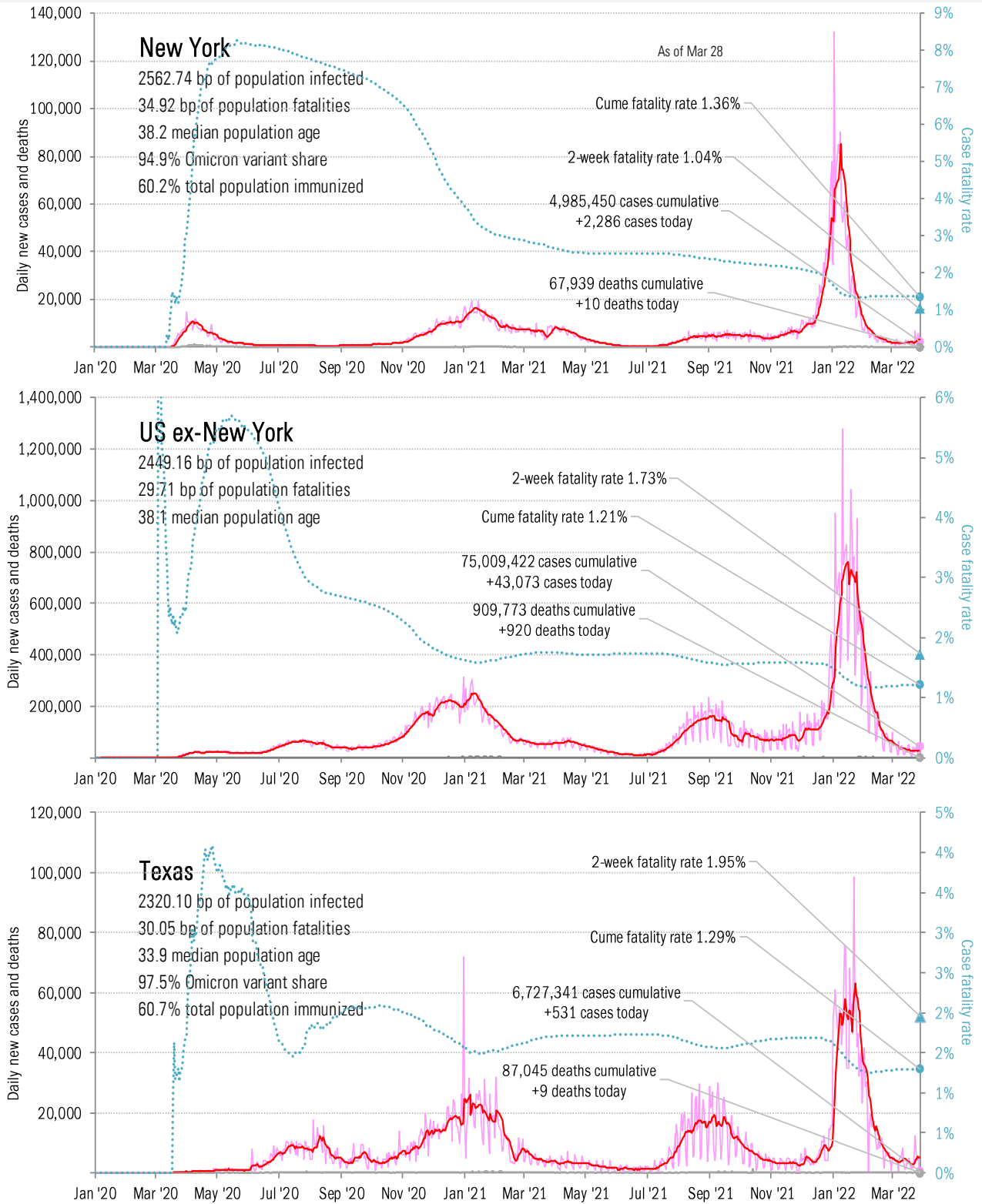


Test data for WA is temporarily unavailable.

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

From Ground Zero to the Rio Grande

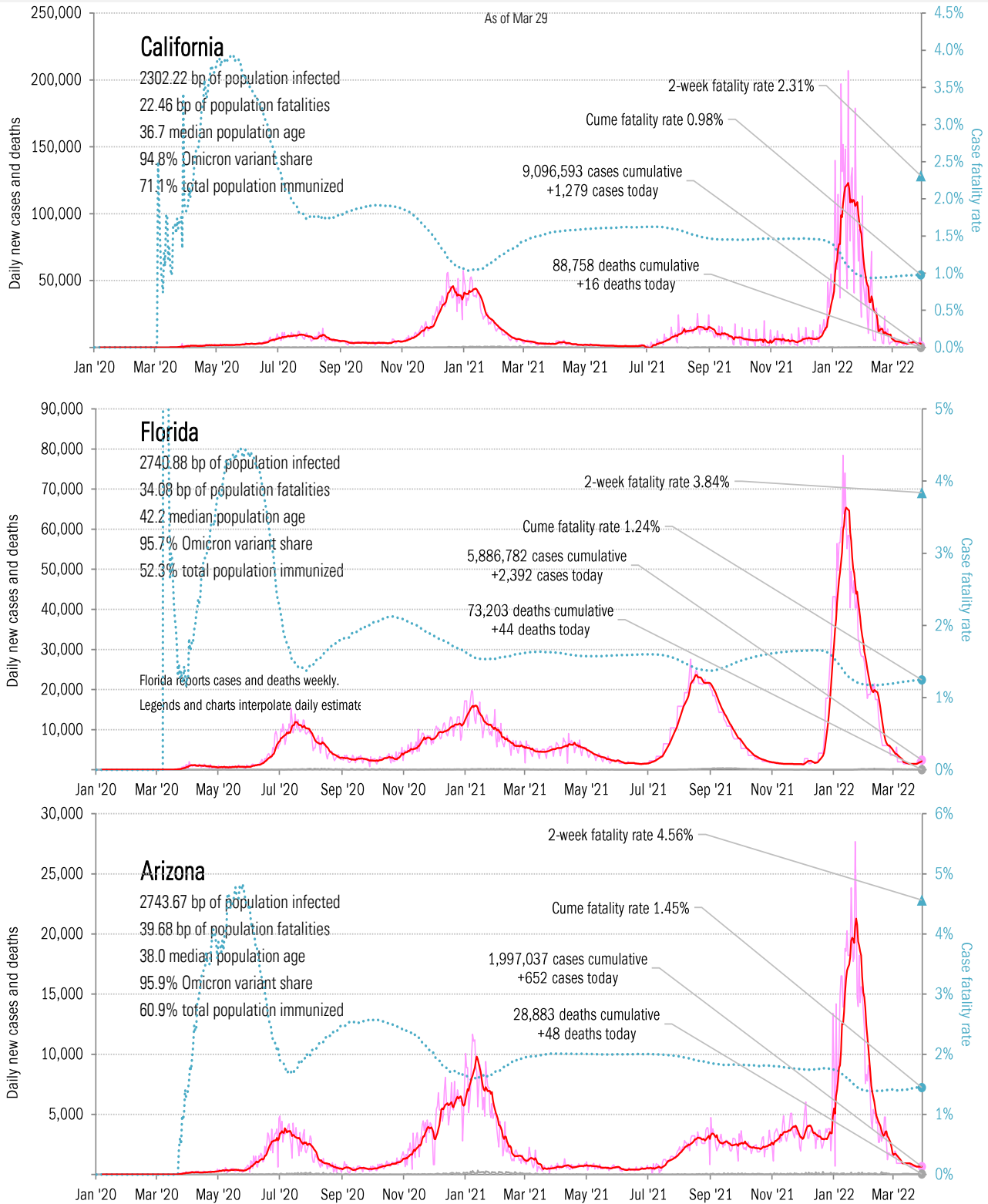
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

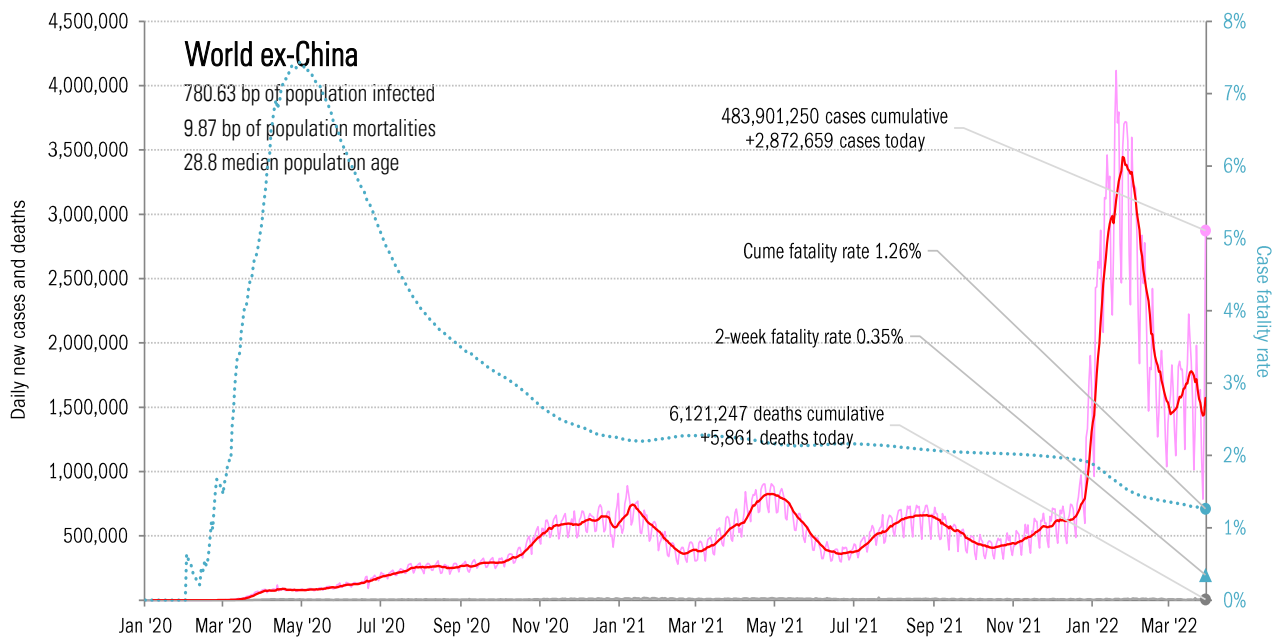
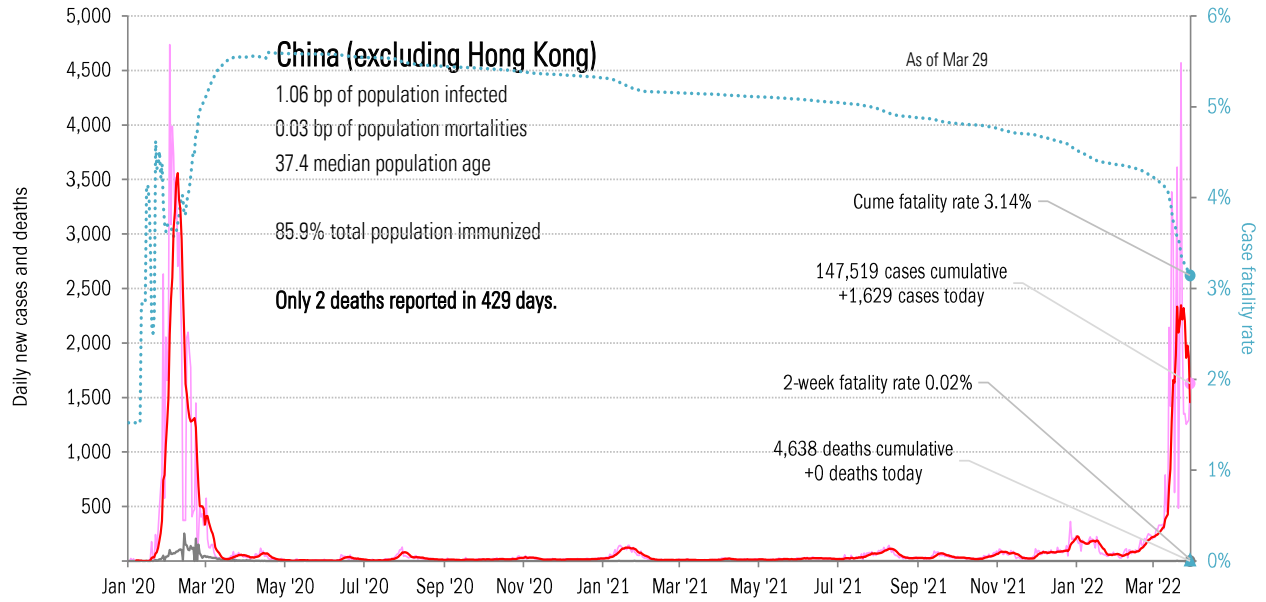
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

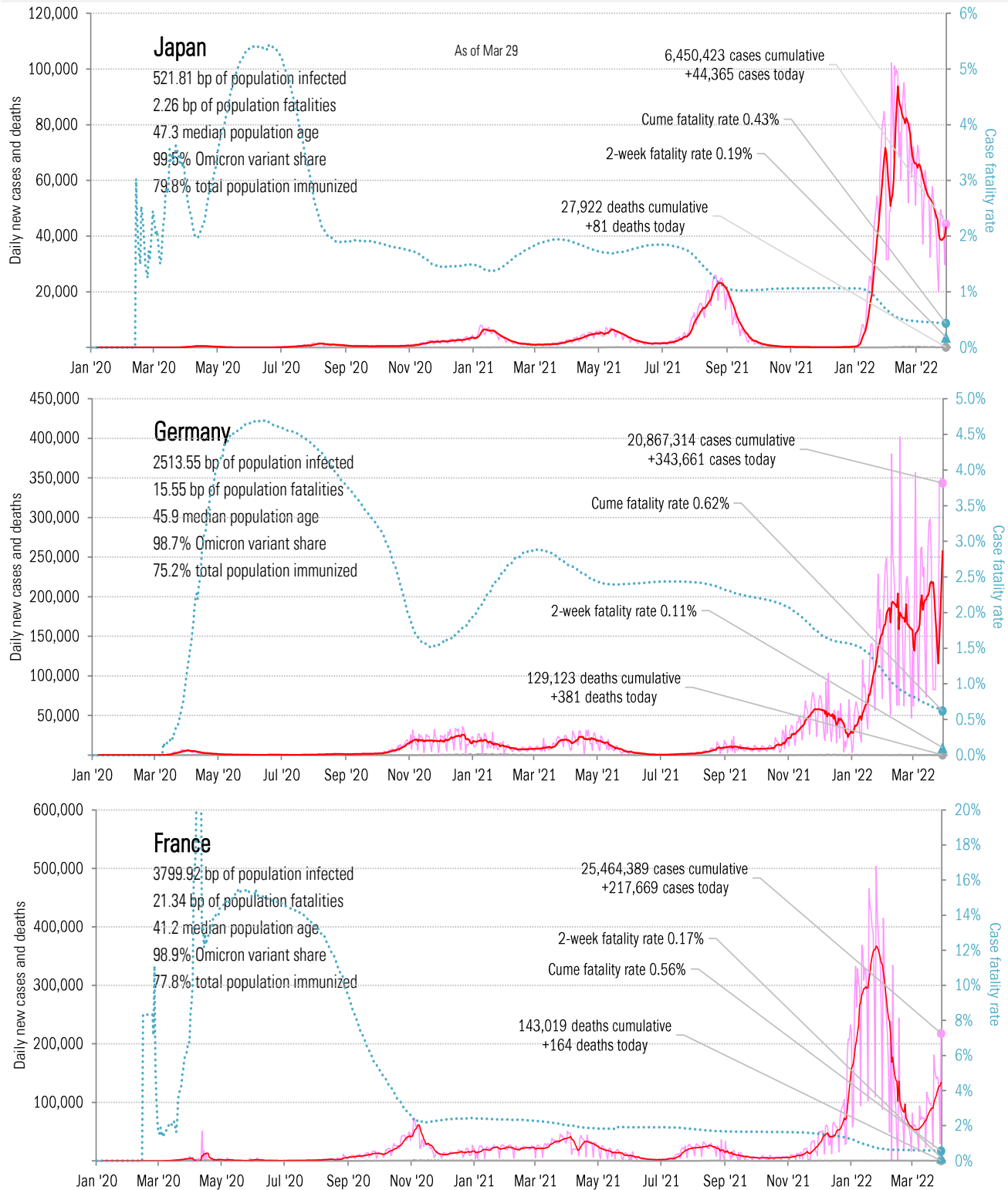
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

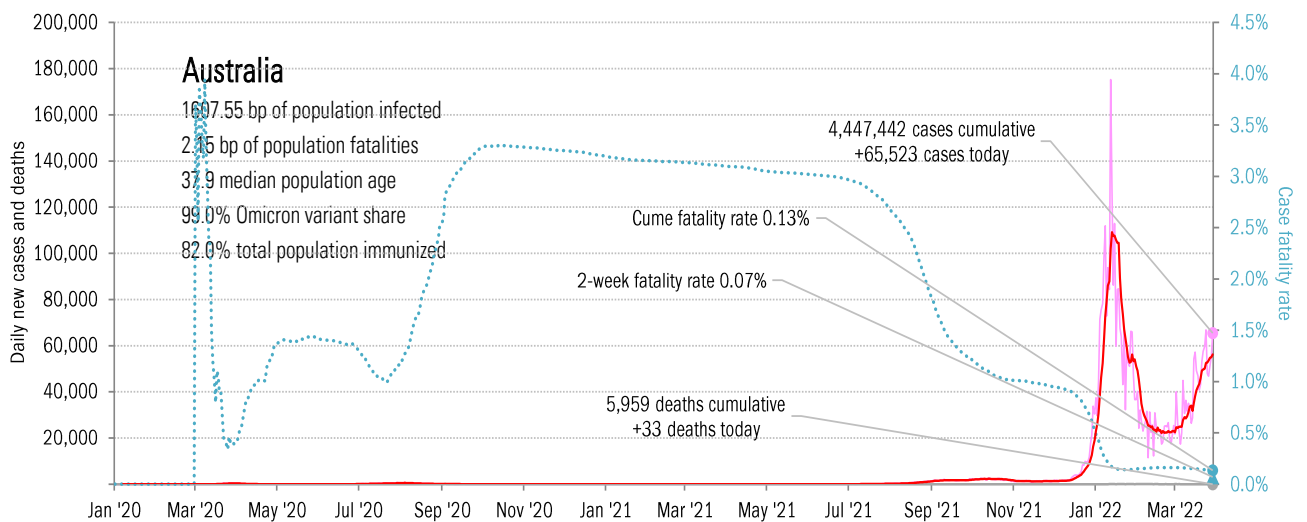
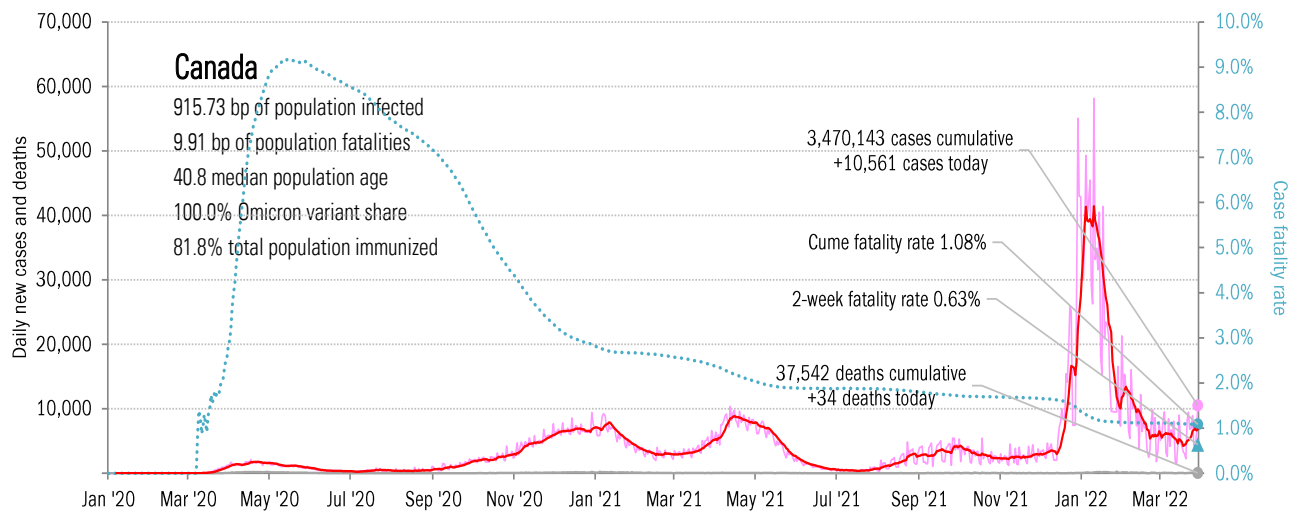
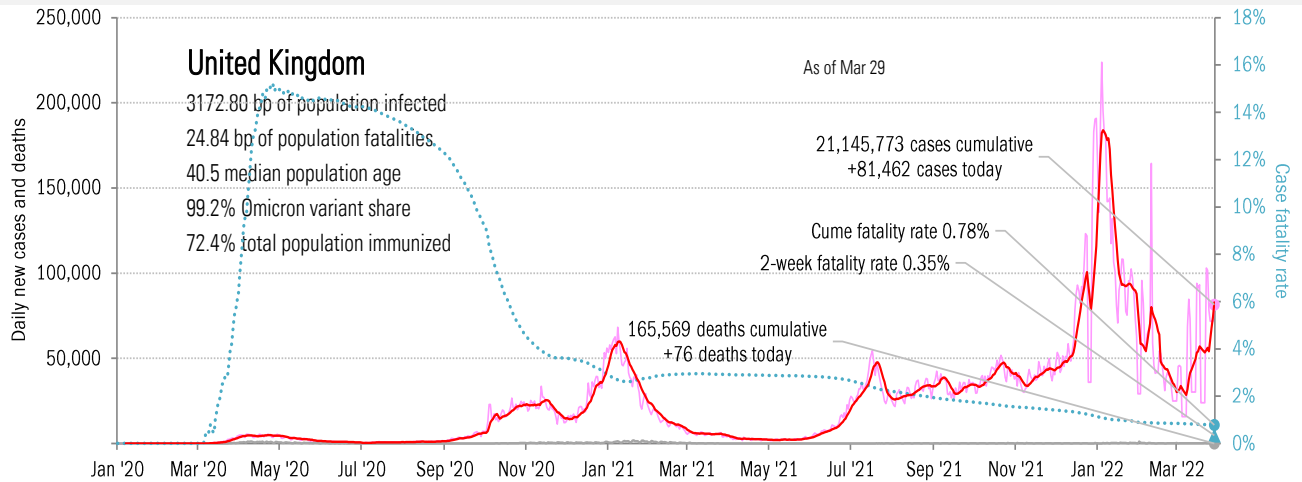
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

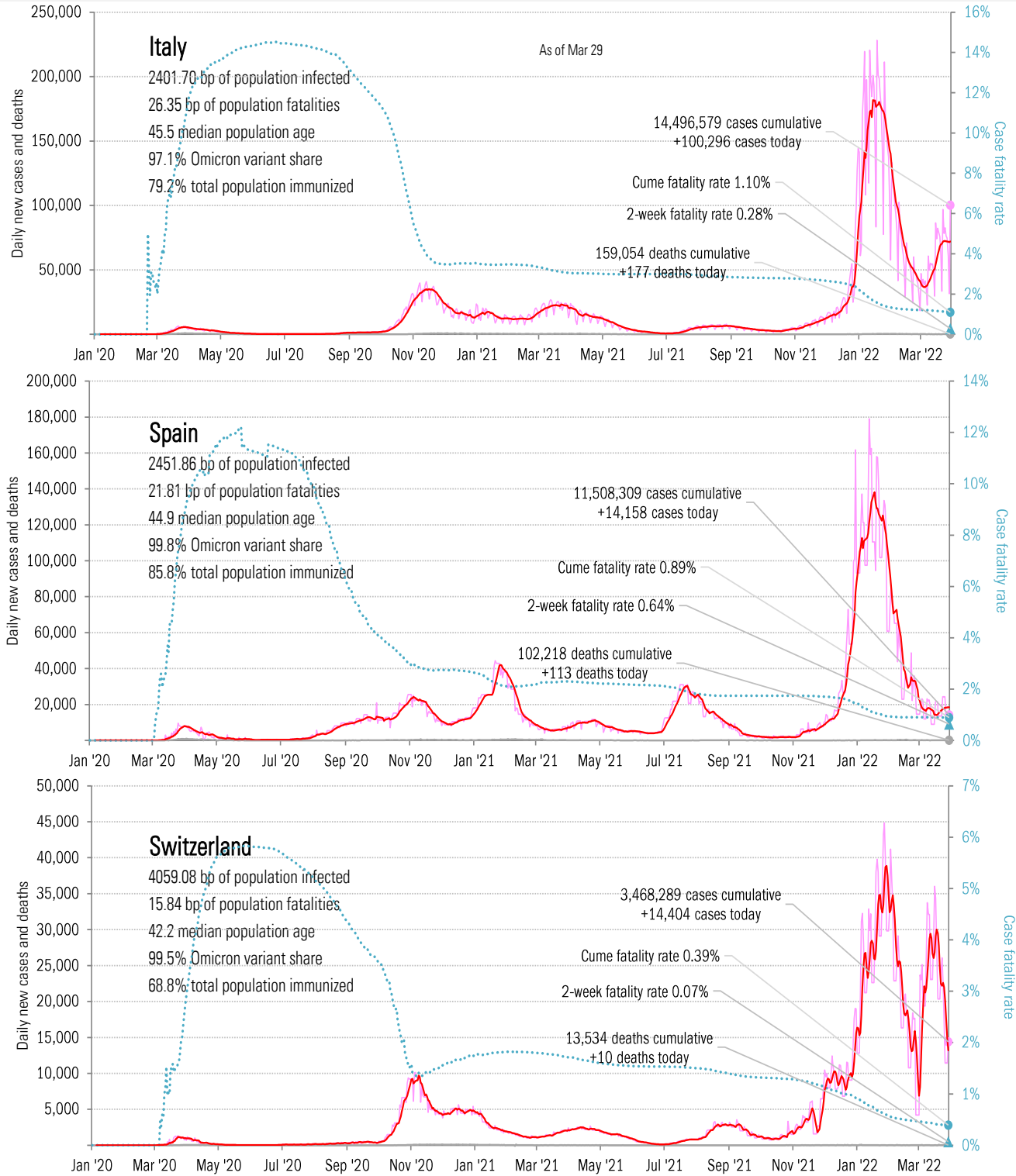
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

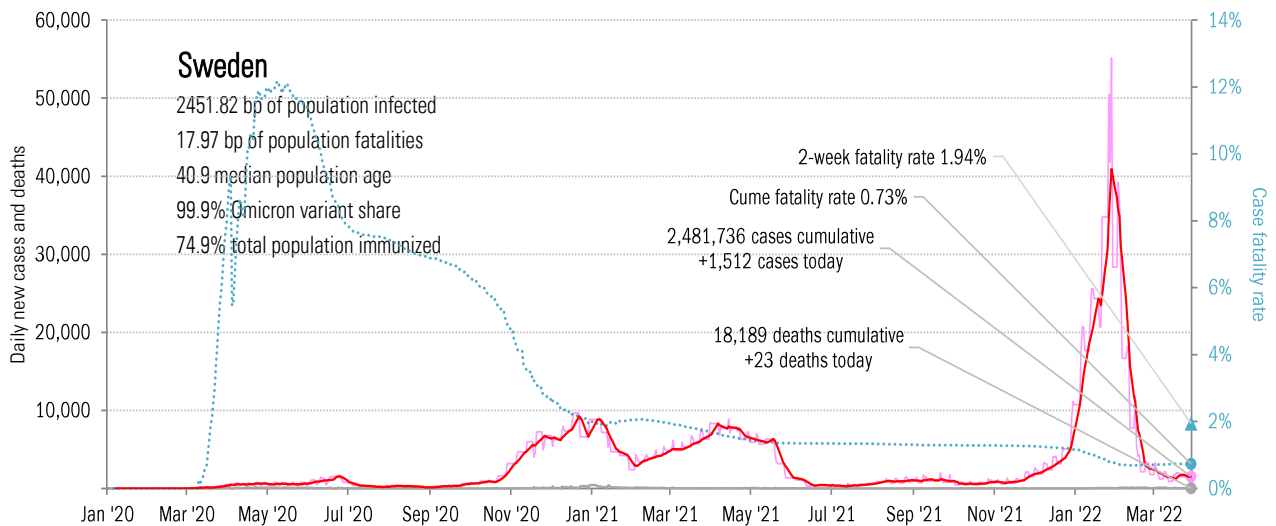
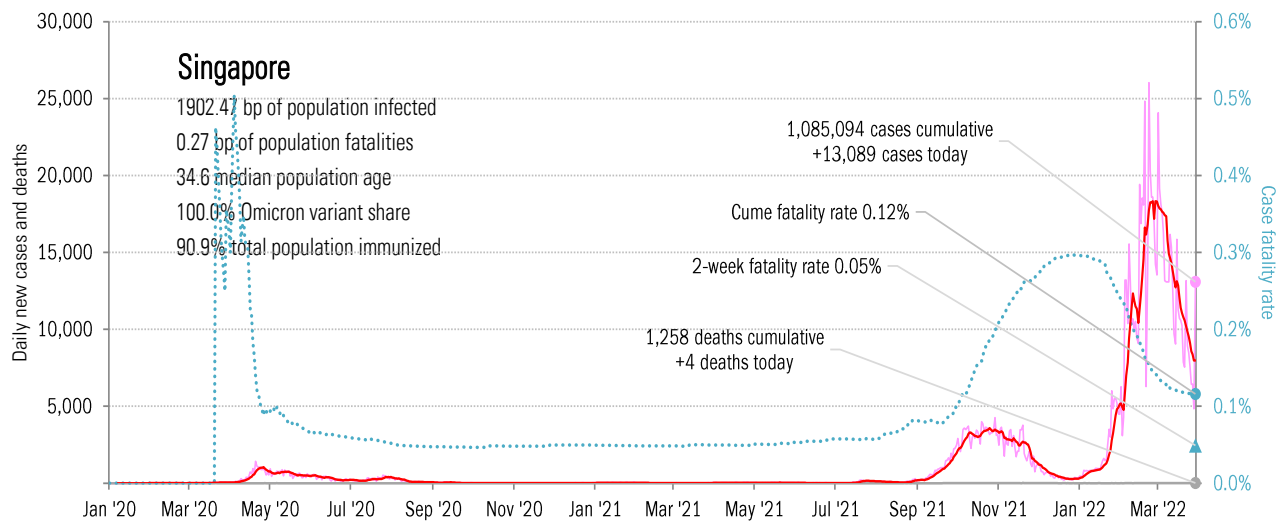
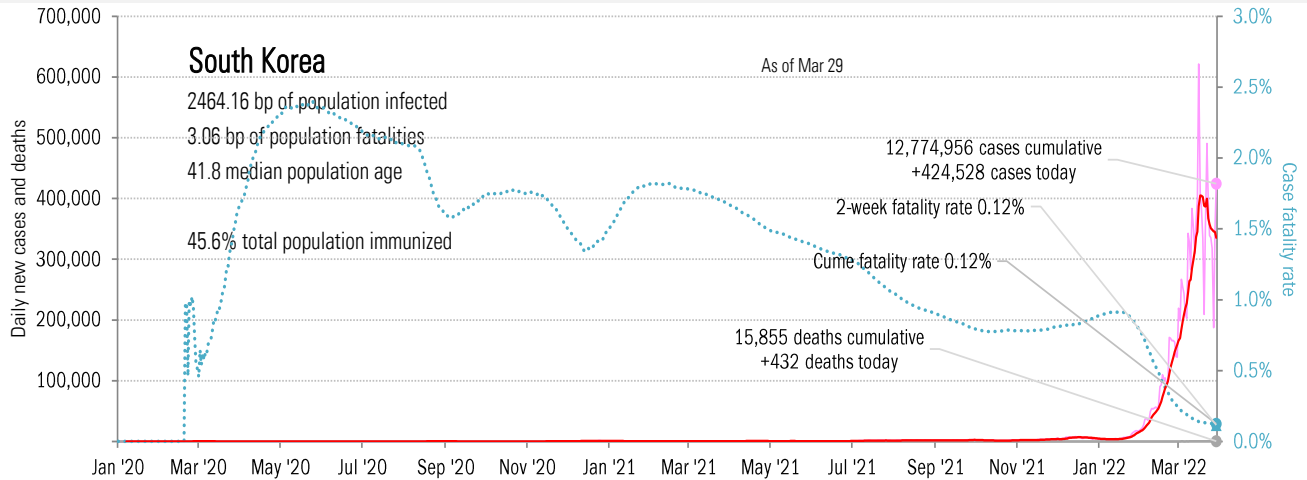
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

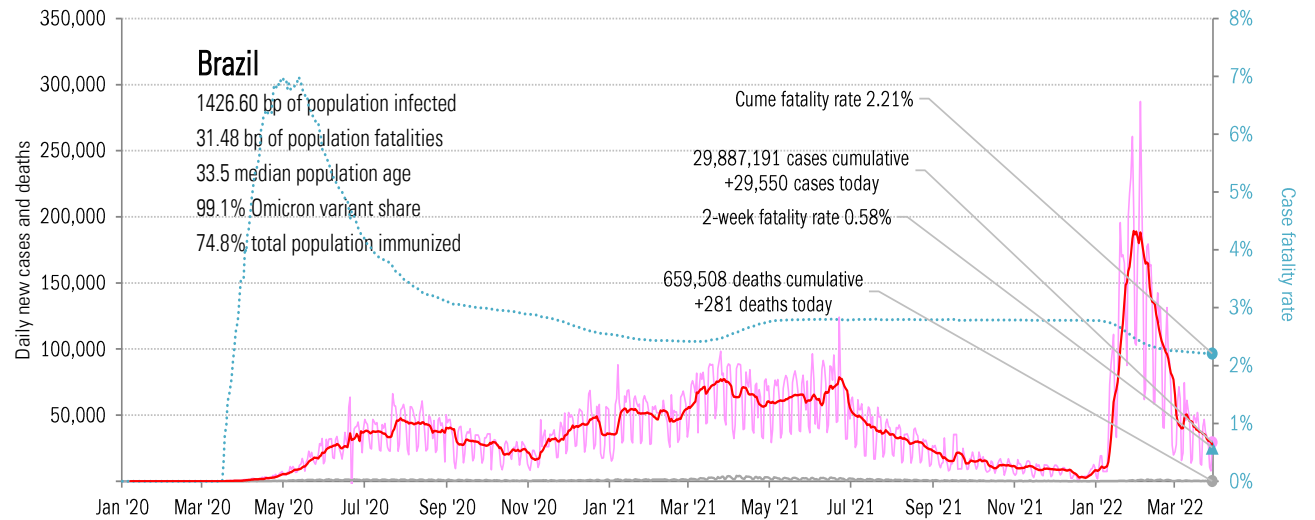
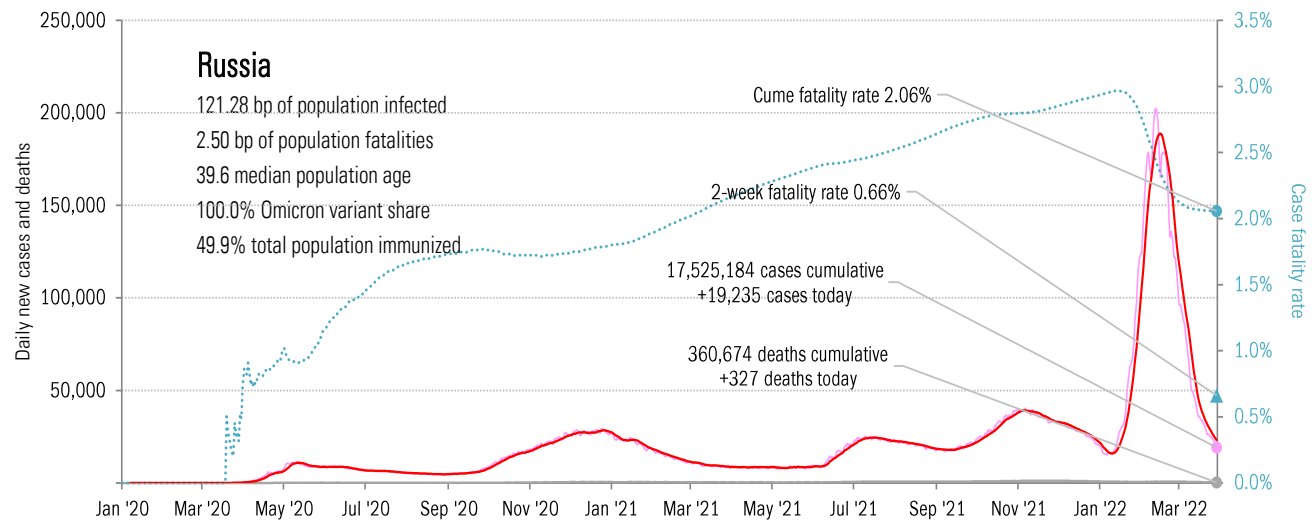
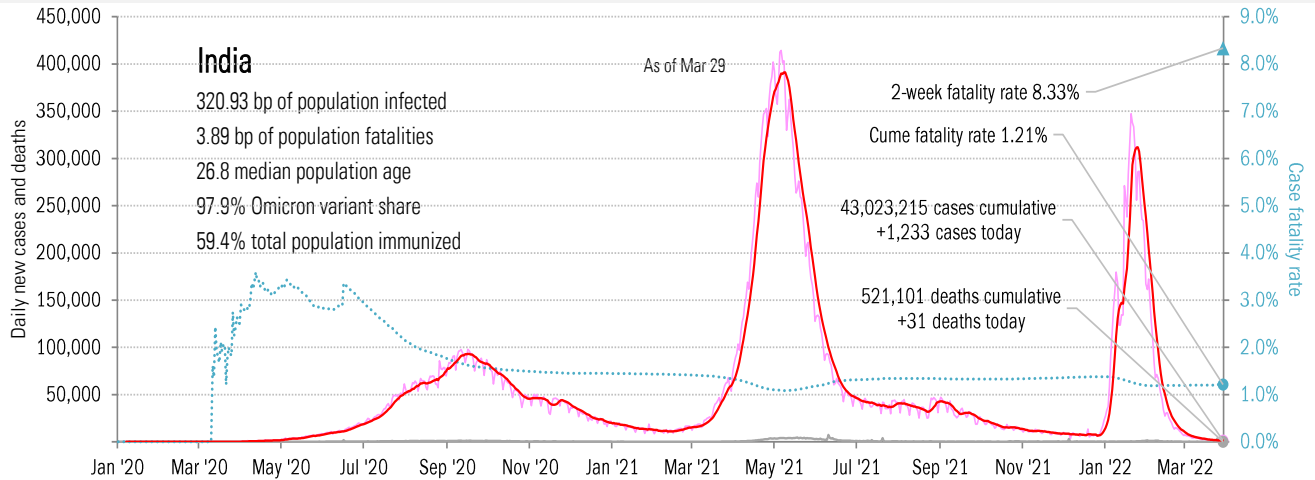
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

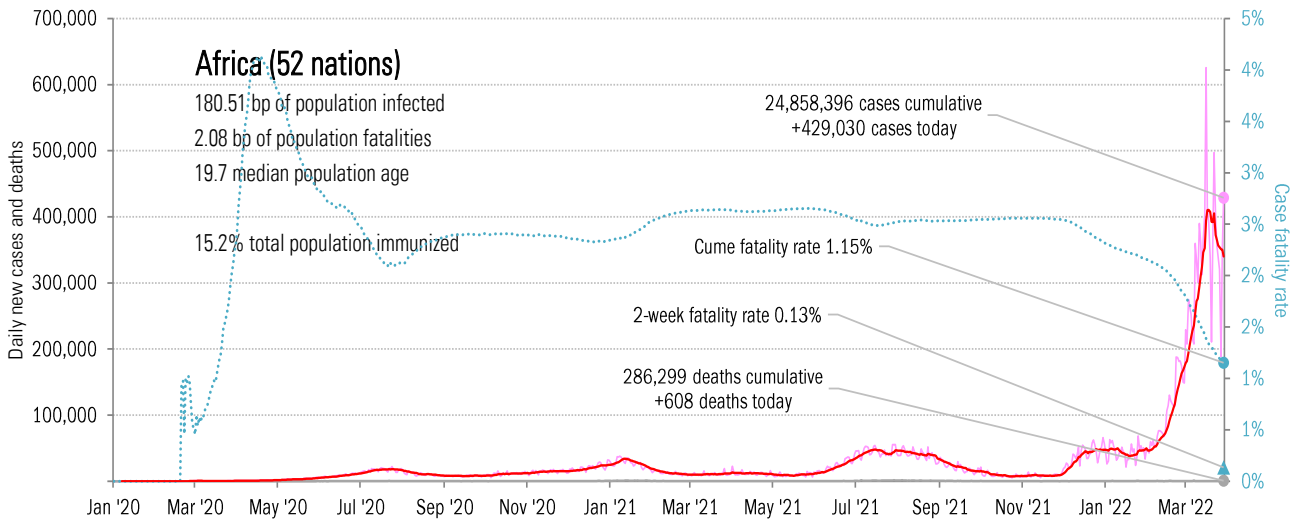
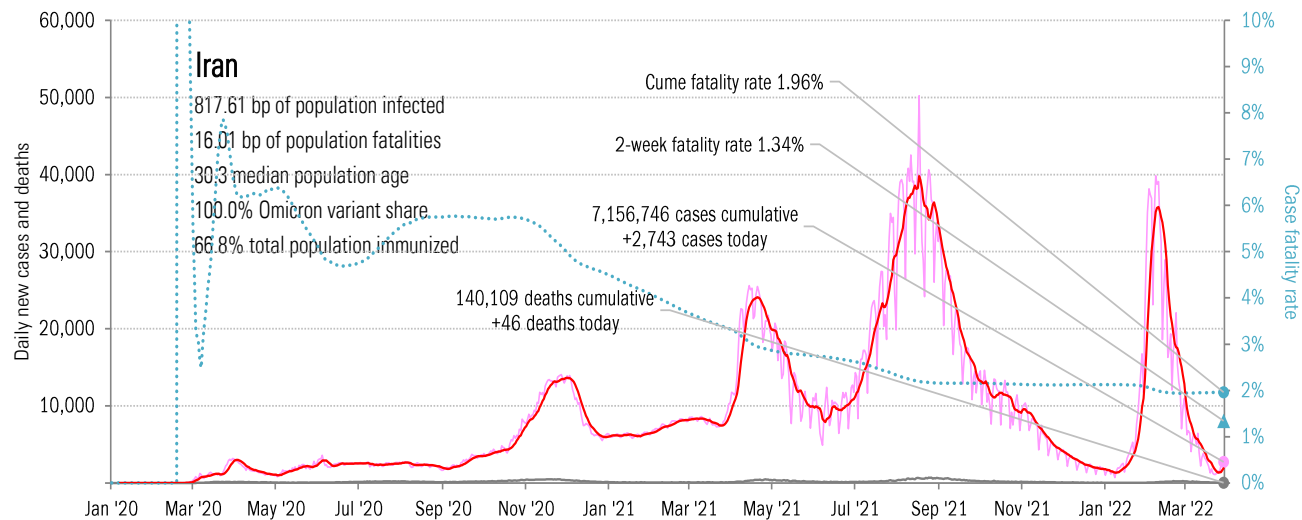
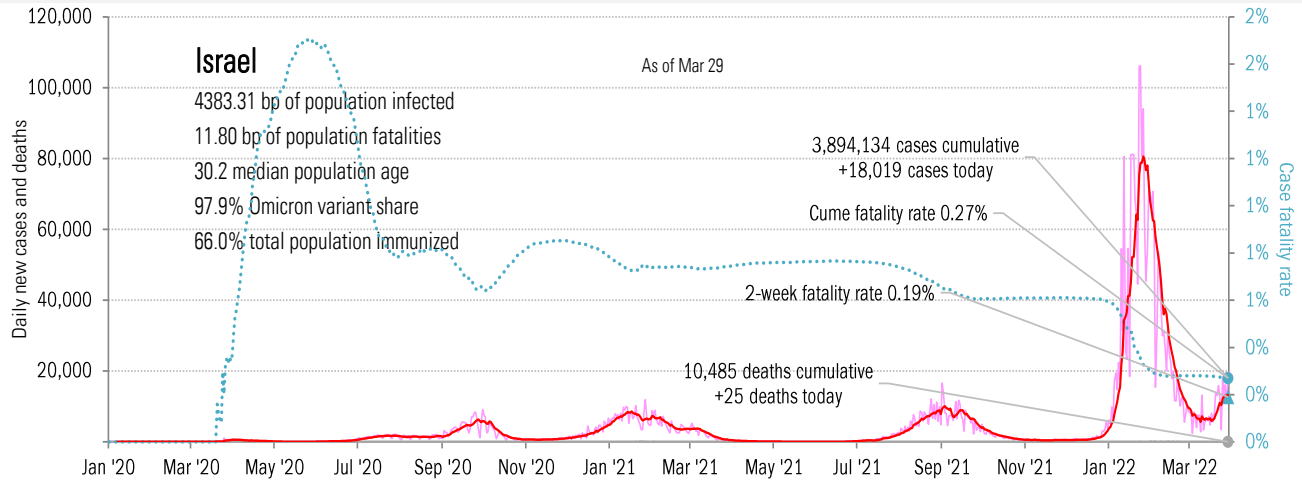
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

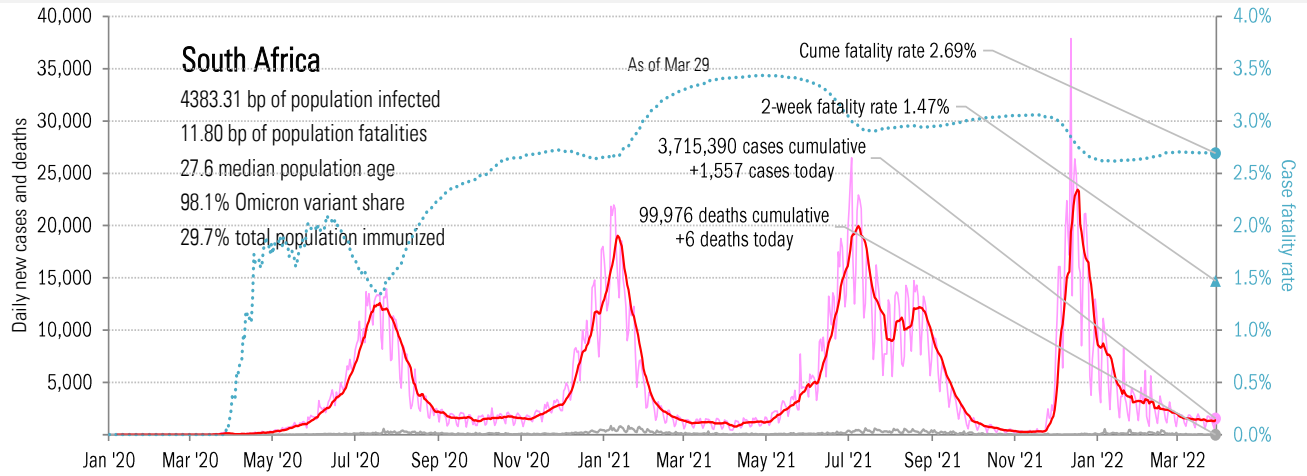
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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