

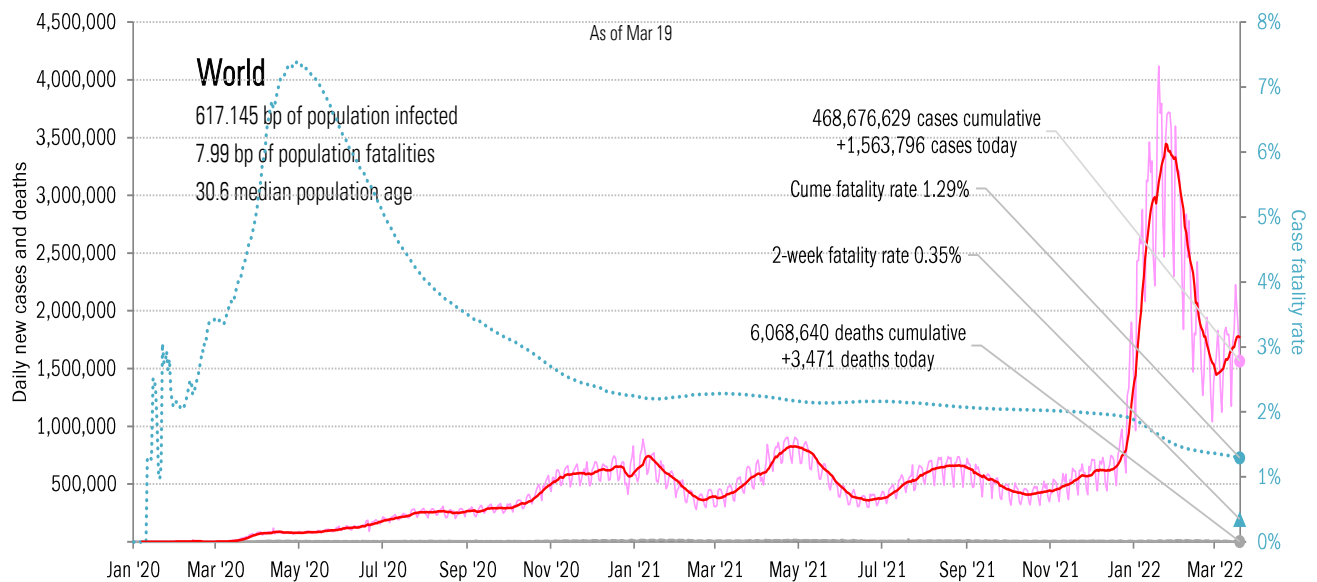
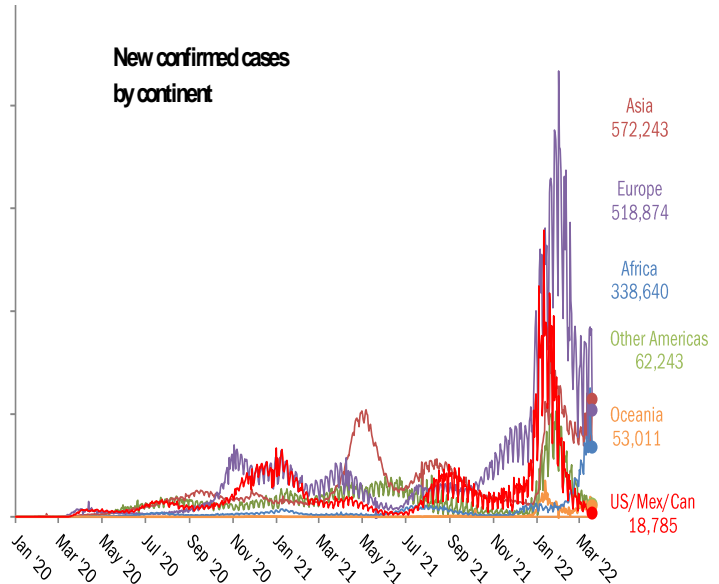
Data Insights: Covid-2019 Monitor

Sunday, March 20, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Vietnam	424,729	Russia	485
Korea, South	334,708	Korea, South	327
Germany	131,725	Brazil	291
France	98,104	United States	290
Italy	75,768	Indonesia	188
Japan	44,593	India	127
Austria	41,999	Mexico	125
Netherlands	41,460	Poland	119
Australia	40,854	Turkey	105
Brazil	39,635	Japan	104
1,273,575		2,161	
World	1,563,796	World	3,471
Top ten	81%	Top ten	62%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

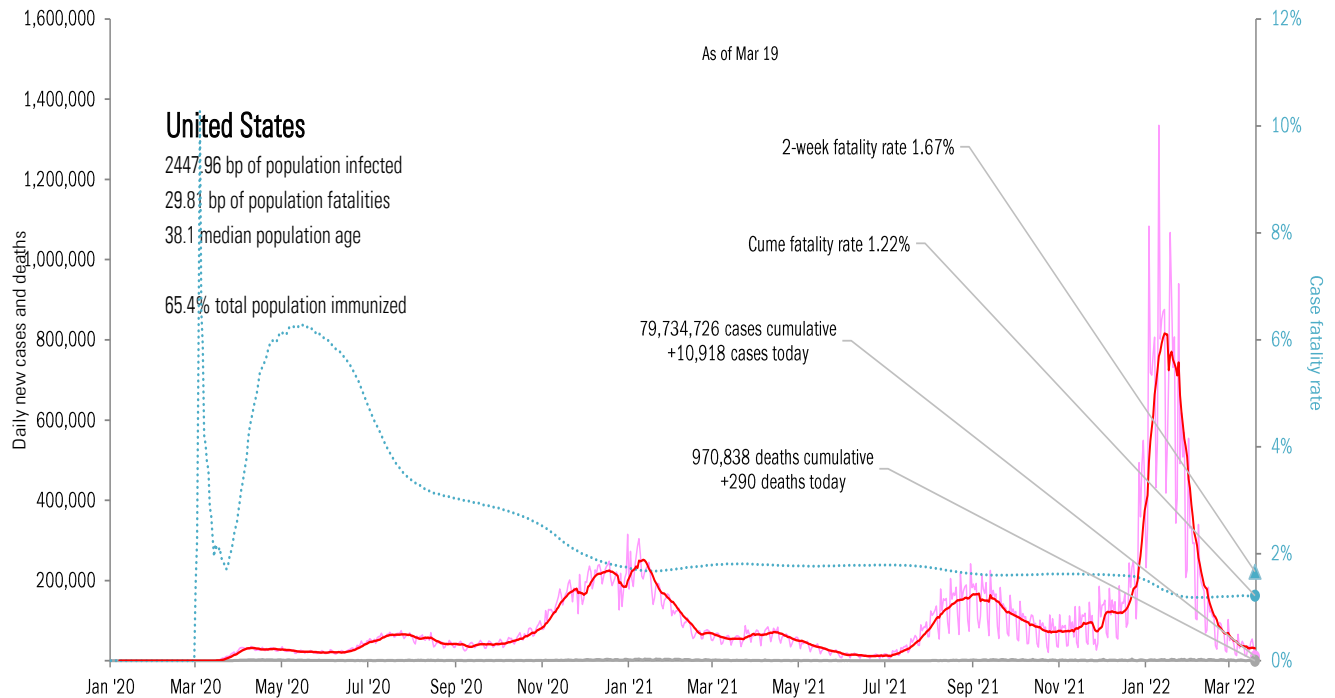
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use			
CA	3,195		FL	121		KS	33		CA	9,065,637		CA	88,024		TX	484,842		RI	89%		KY	86%	
NY	2,188		TX	61		NY	124		TX	6,689,421		TX	86,650		CA	420,222		MA	85%		TX	85%	
TX	1,522		AR	25		MA	33		FL	5,874,824		FL	72,455		FL	411,921		MN	85%		AL	85%	
AR	1,131		DE	21		MT	14		NY	4,961,120		NY	67,813		NY	243,471		WV	83%		RI	84%	
NJ	869		CA	20		NE	14		IL	3,053,185		PA	44,011		GA	206,920		MO	83%		NM	84%	
PA	691		NJ	12		OK	38		PA	2,774,453		CH	37,608		CH	189,397		WA	83%		WA	81%	
MD	358		MD	7		DE	12		CH	2,666,030		GA	36,507		PA	174,811		PA	82%		DC	79%	
TN	285		ME	3		CH	78		NC	2,616,864		IL	35,631		IL	155,607		MD	82%		MS	79%	
FR	221		NY	3		SD	10		GA	2,482,518		MI	35,418		MI	139,892		DC	82%		NC	79%	
IA	217		NV	1		MN	40		MI	2,378,439		NJ	33,167		KY	139,337		NH	81%		WV	78%	
10,677			274			396			42,562,491			537,284			2,565,420								
All states	10,918		290			1,978			All states	79,734,726		970,838			4,652,427			All states	70%		67%		
Top ten	98%		94%			20%			Top ten	53%		55%			55%			Median	76%		74%		

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	CA	-96	GA	-235	AK	+10 bp
CA	-3,274	MI	-65	IN	-78	GA	+10 bp
MI	-3,009	GA	-63	IA	-32	ID	+10 bp
WA	-2,276	WA	-60	MO	-28	KS	+10 bp
TX	-1,756	WI	-59	NH	-17	MO	+10 bp



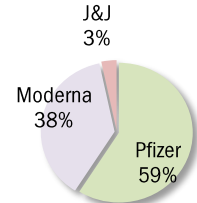
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	573,382,688		+0.125 million	US	65.4%	76.8%
Boosters	97,805,604		+0.052 million	UK	72.2%	77.3%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	262,589,484	79%	223,247,948	67%	+0.032 million	France 77.8% 80.1%
Age 12 to 17	17,476,343	69%	14,903,042	59%	+0.003 million	Spain 85.5% 88.0%
Age 18 to 64	176,928,461	87%	150,042,204	74%	+0.018 million	Germany 75.1% 75.8%
Age 65 and over	58,283,921	100%	50,445,351	92%	+0.003 million	Italy 79.1% 84.0%

Australia	81.2%	85.9%
Israel	65.9%	72.1%
Canada	81.5%	85.7%
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



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



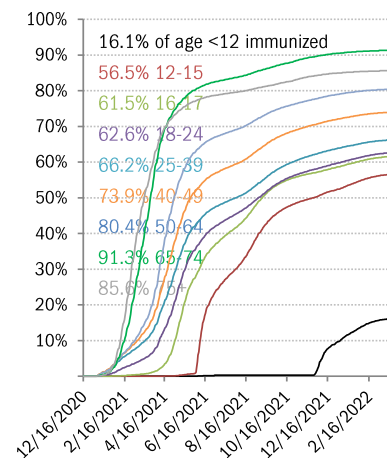
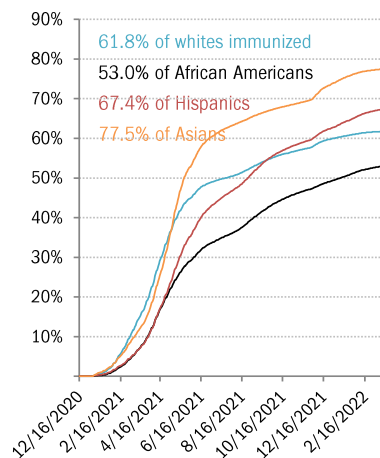
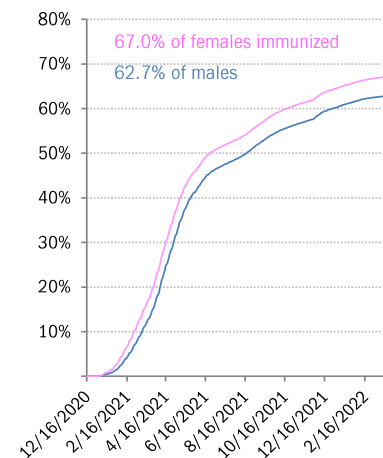
AK
69.0%
61.5%

Immunity = two doses

As of Mar 19

					WI					ME
					71.3%					89.3%
					64.9%					78.6%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.1%	60.6%	64.7%	64.6%	74.6%	76.2%	66.5%		89.4%	92.8%	95.0%
71.9%	53.5%	56.2%	54.6%	68.6%	67.9%	59.6%		76.0%	80.5%	69.5%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.3%	74.4%	58.2%	75.4%	67.5%	60.9%	63.1%	83.8%	89.5%	95.0%	
69.0%	60.1%	50.9%	60.3%	61.4%	54.4%	57.9%	67.4%	74.7%	78.0%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.3%	71.5%	78.7%	69.6%	65.6%	65.6%	64.5%	84.8%	85.4%	94.4%	95.0%
70.9%	63.6%	69.6%	62.8%	55.5%	56.8%	57.1%	72.4%	74.5%	78.2%	81.3%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	71.9%	86.5%	73.9%	66.0%	61.6%	82.8%	67.0%	95.0%	82.2%	
	60.6%	70.1%	60.7%	53.8%	53.9%	59.7%	56.4%	72.2%	68.1%	
			OK	LA	MS	AL	GA			
			70.3%	60.5%	59.1%	62.2%	64.7%			
			56.4%	53.0%	51.3%	50.5%	54.1%			
			TX					FL		PR
			71.8%					78.4%		95.0%
			60.6%					66.3%		82.0%

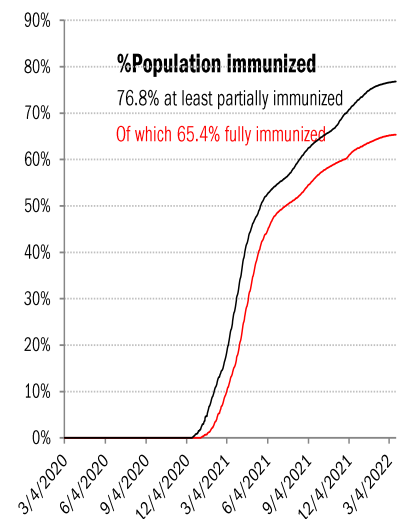
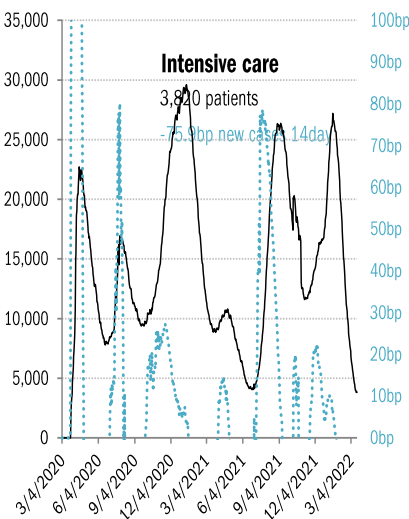
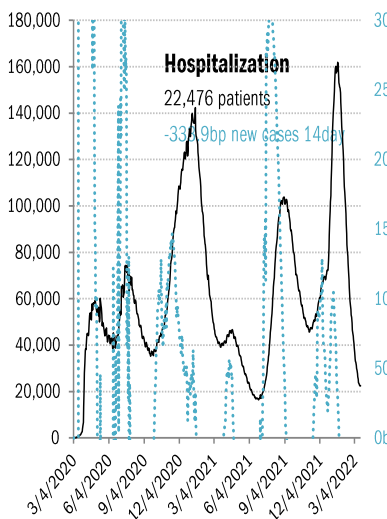
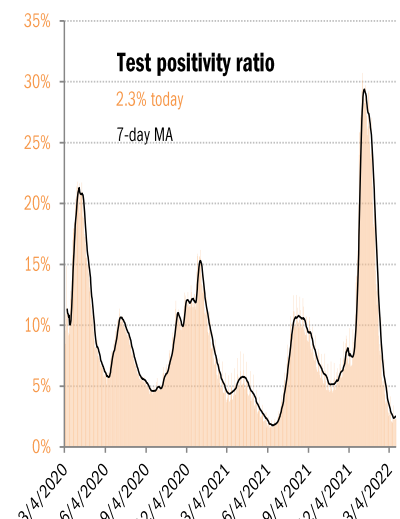
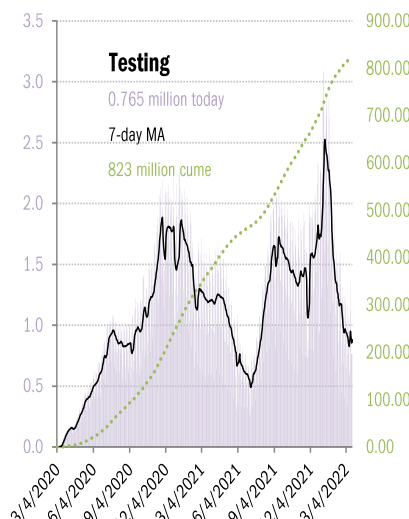
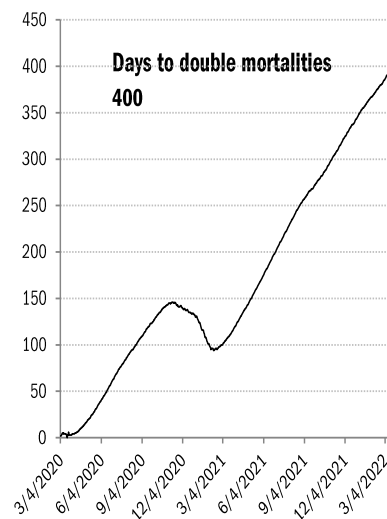
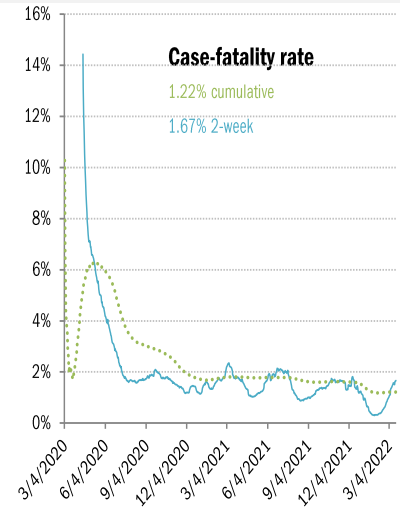
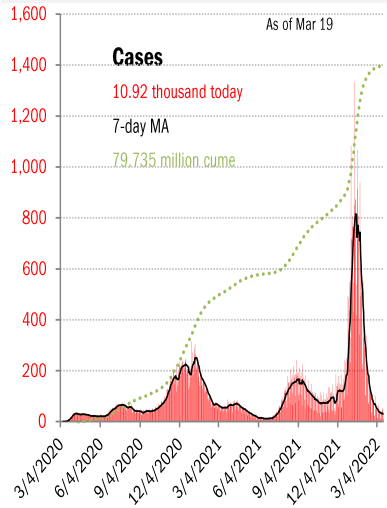
The demographics of US vaccination



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

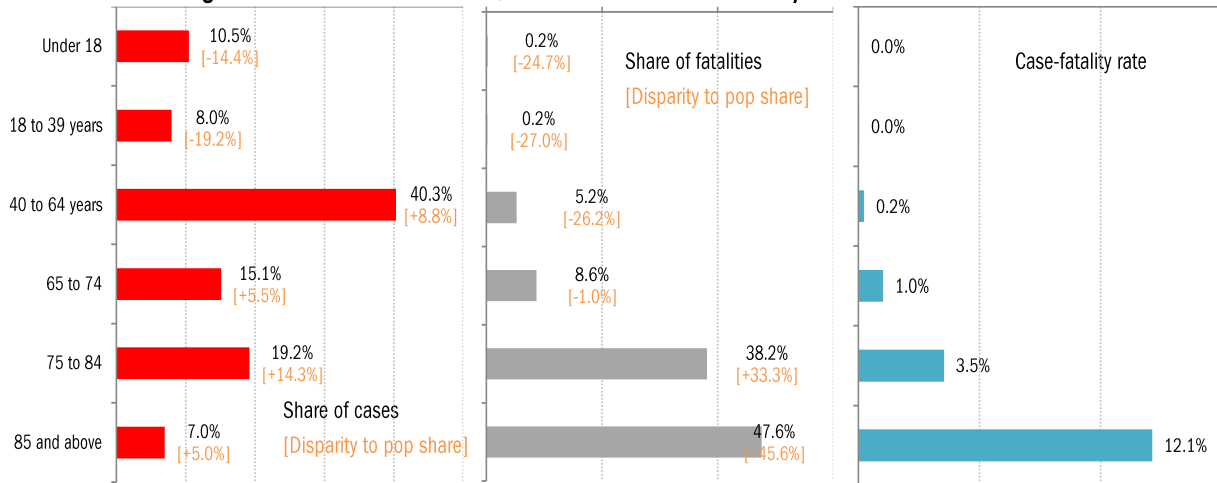
US deep-dive

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

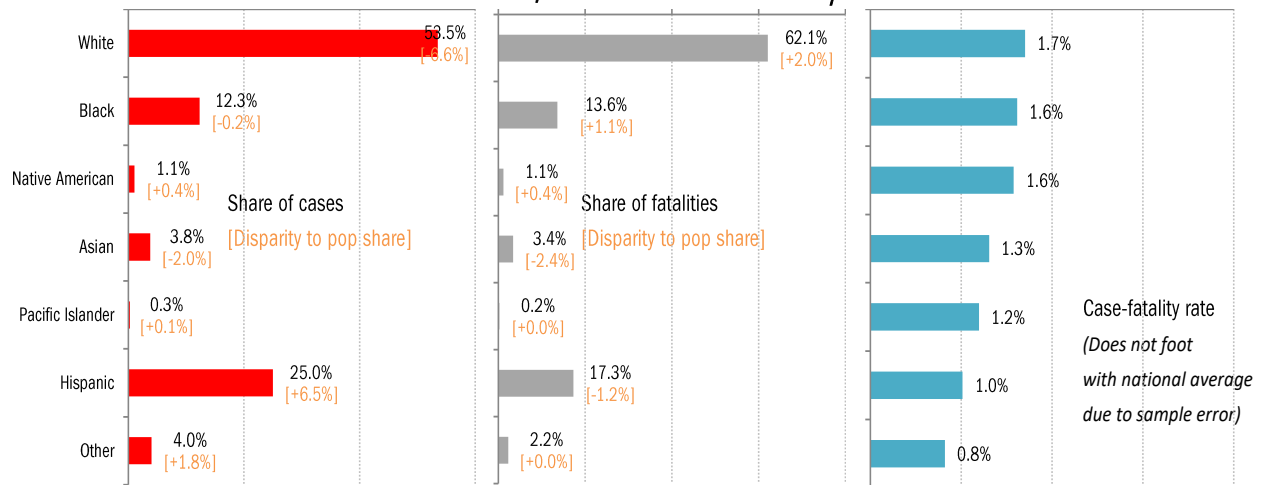


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

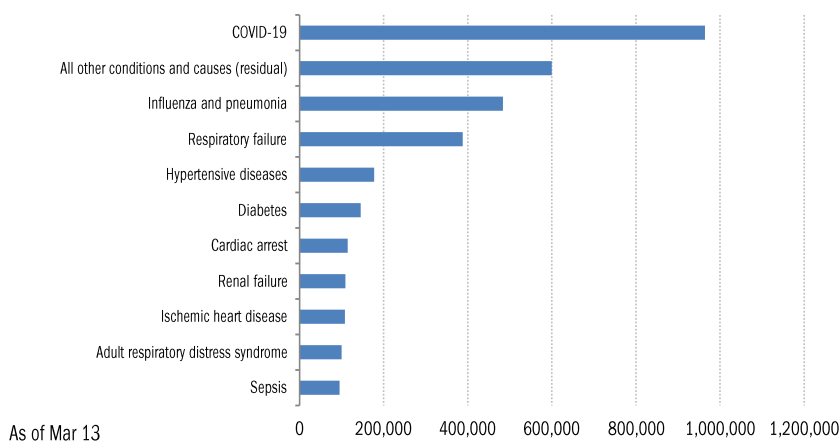


Racial distribution of US cases, fatalities and case-fatality rates Cumulative



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

[China, grappling with a major surge, reports its first Covid deaths in over a year.](#)

Amy Chang Chien
New York Times
March 18, 2022

[Los Angeles schools will stop requiring masks in an agreement with the teachers' union.](#)

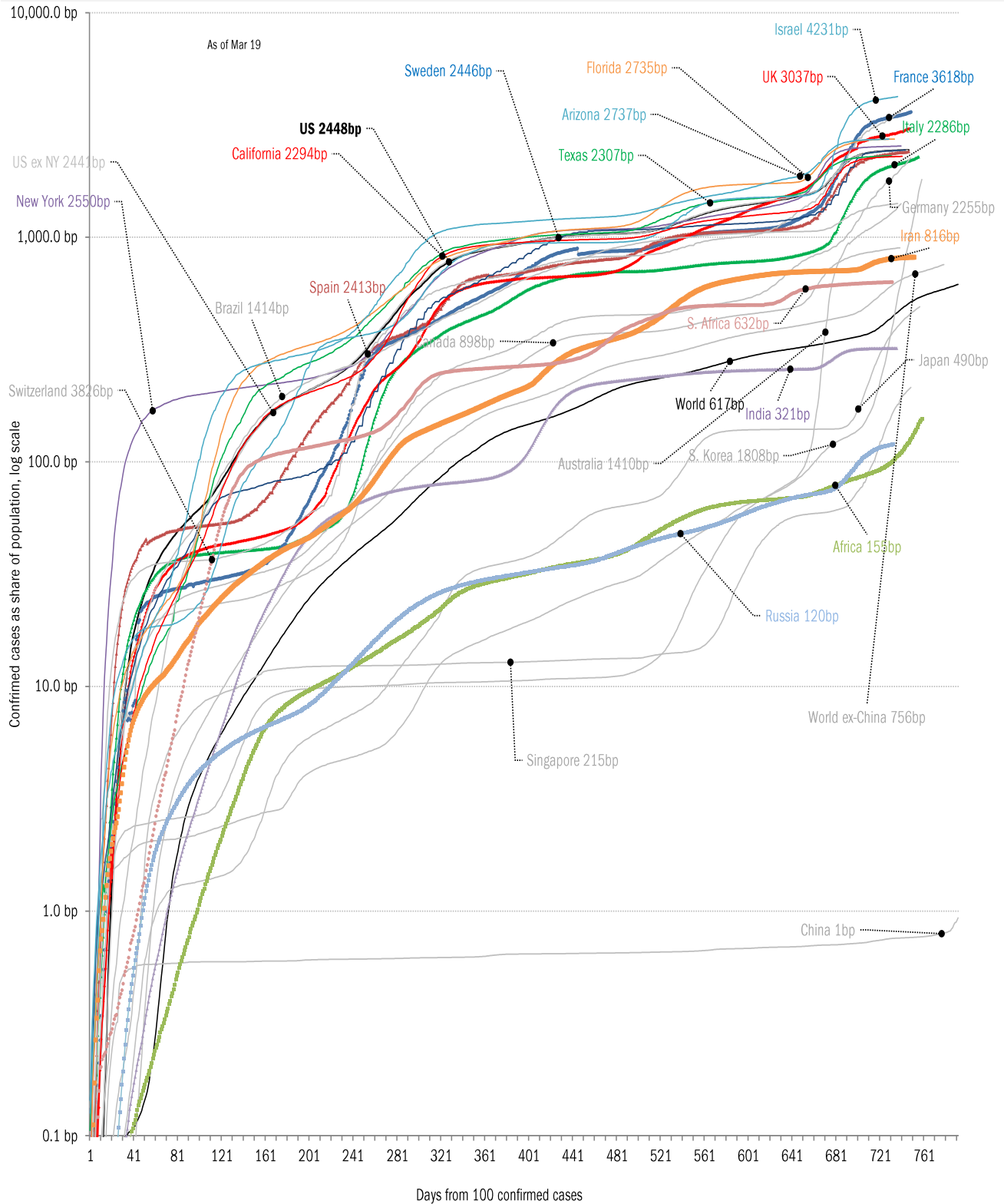
Victoria Kim
New York Times
March 18, 2022

Meme of the day



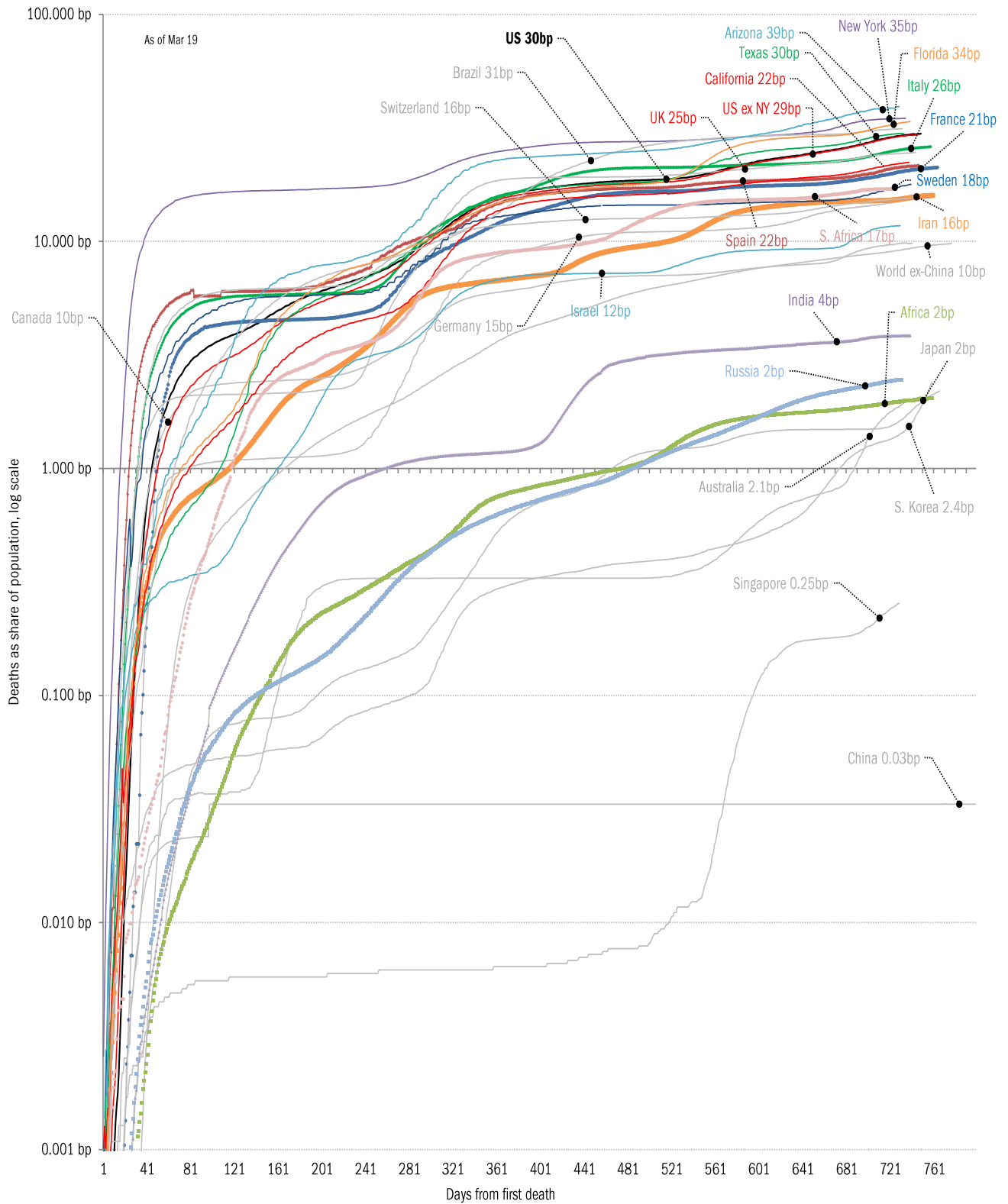
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

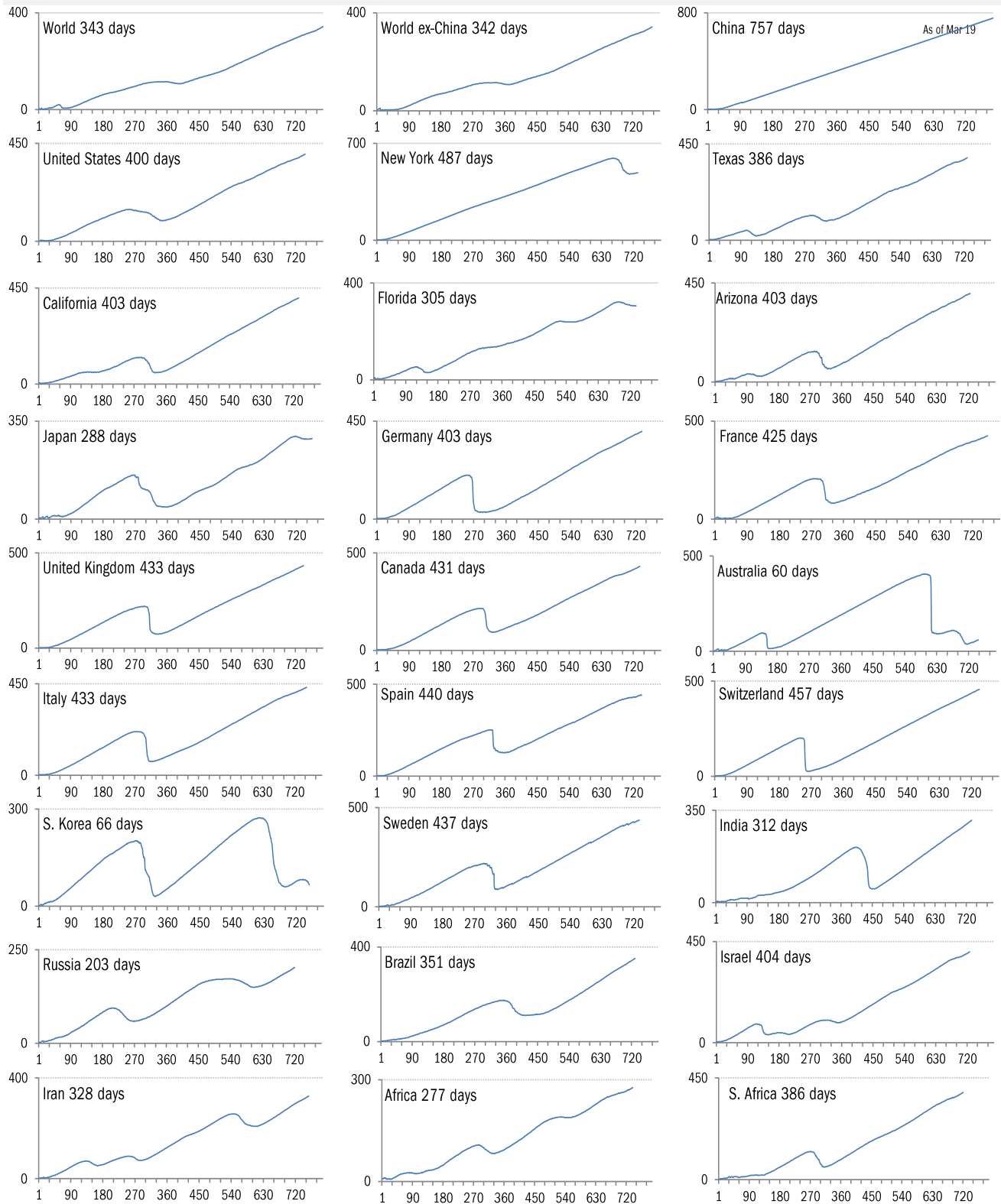


Source: [Johns Hopkins](#), TrendMacro calculations

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

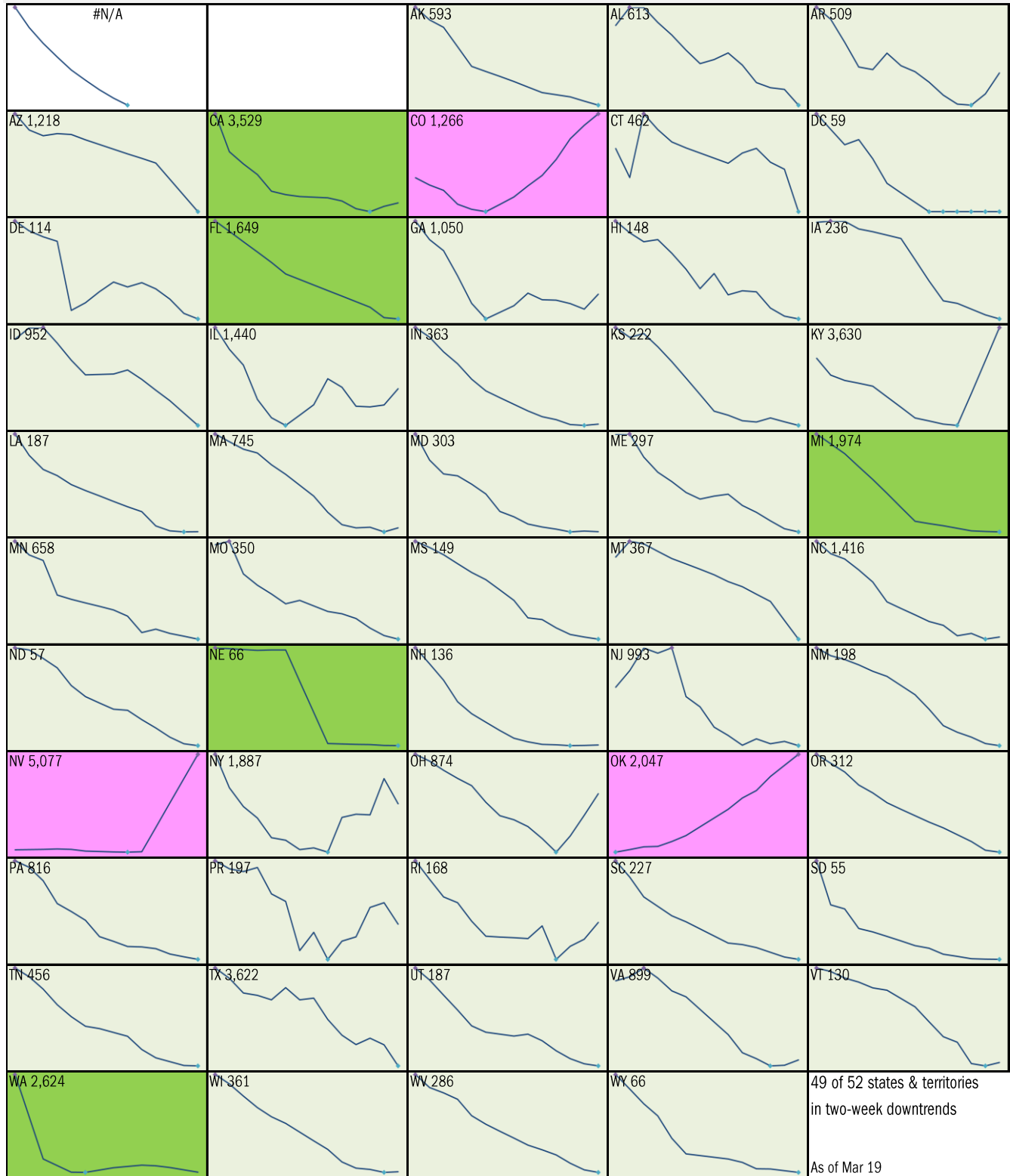


Source: [Johns Hopkins](#), TrendMacro calculations

14-day "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

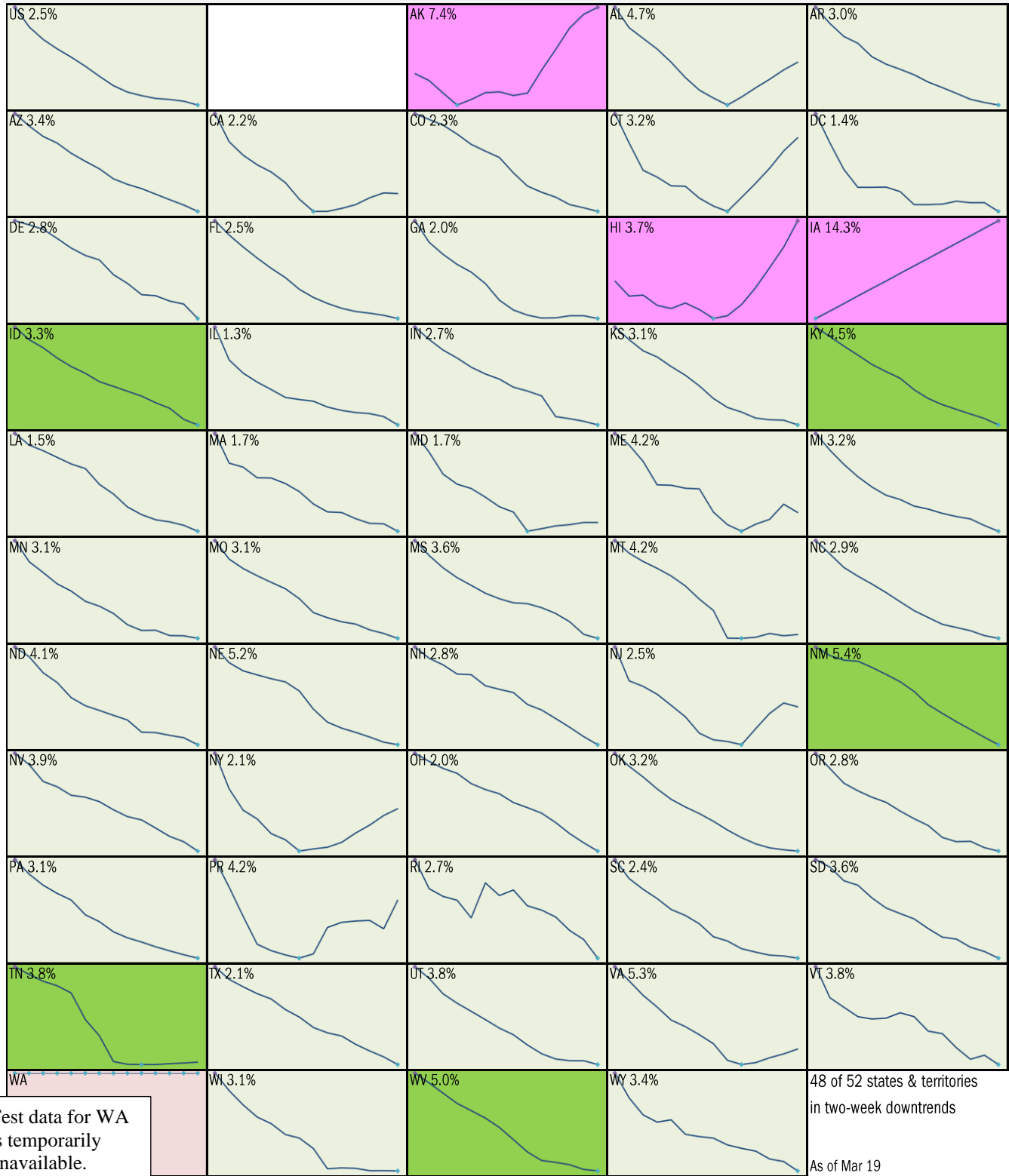


Source: [Johns Hopkins](#), TrendMacro calculations

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

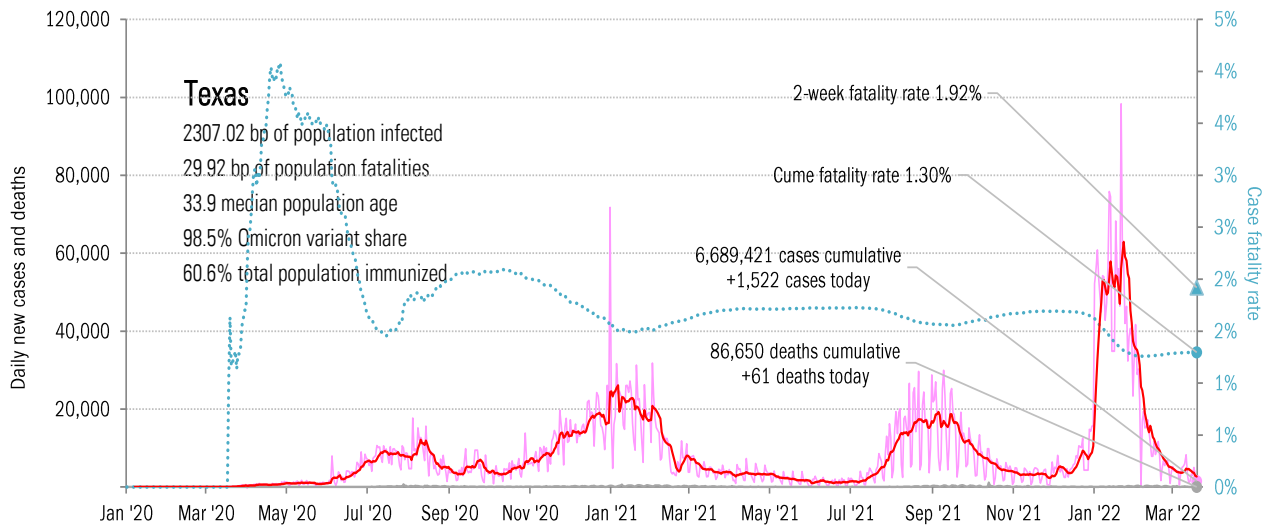
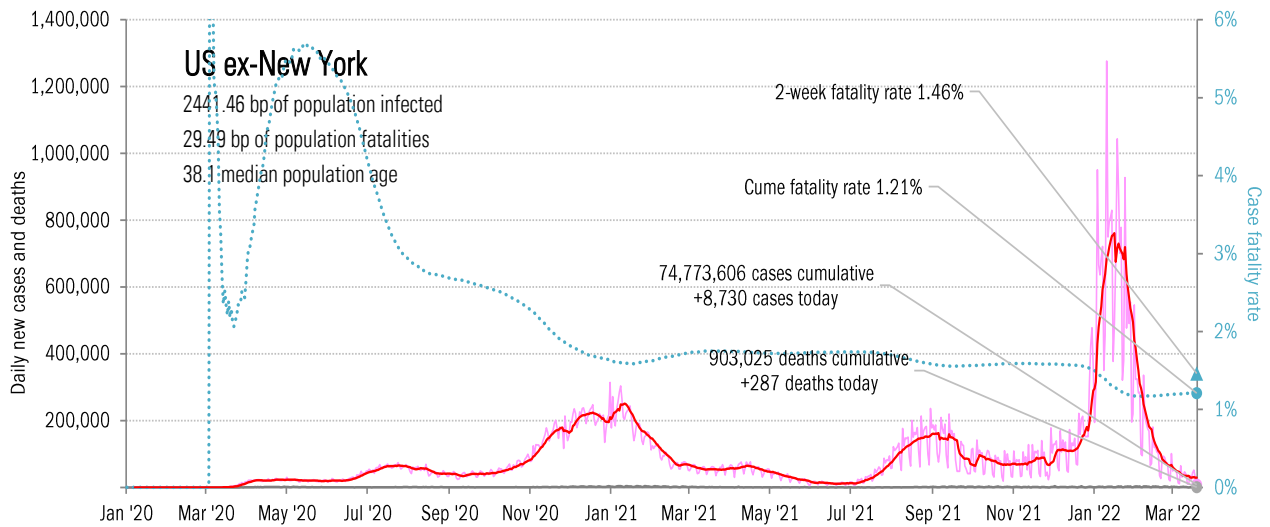
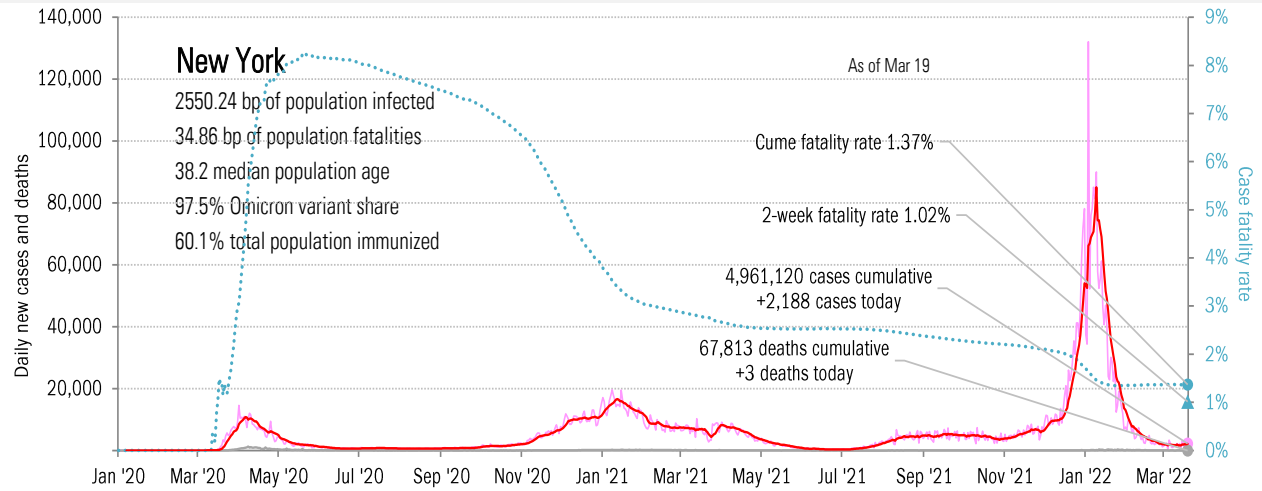


48 of 52 states & territories
in two-week downtrends
As of Mar 19

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

From Ground Zero to the Rio Grande

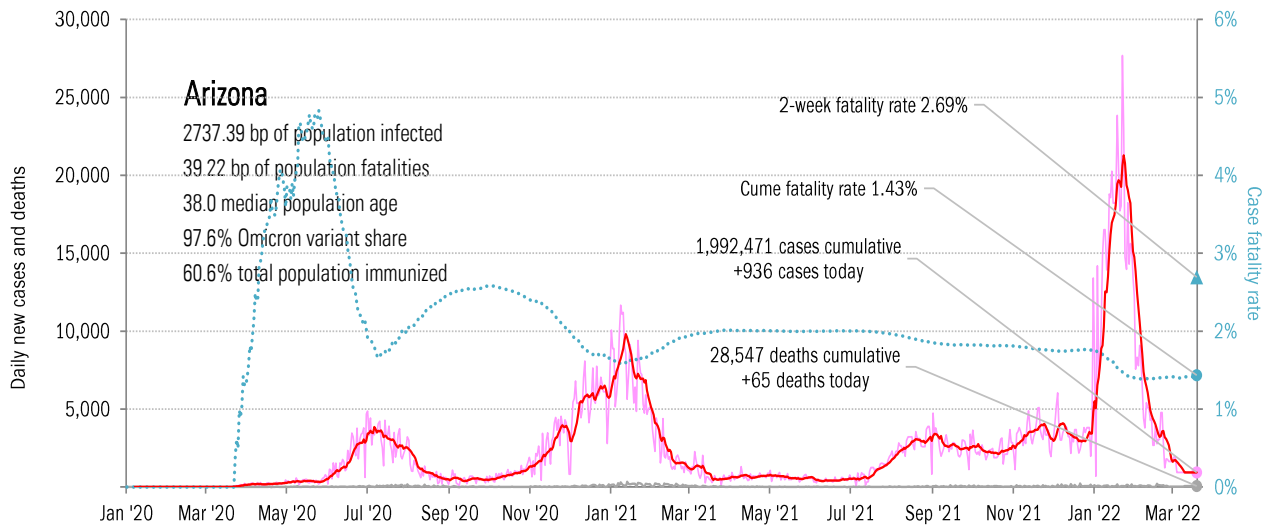
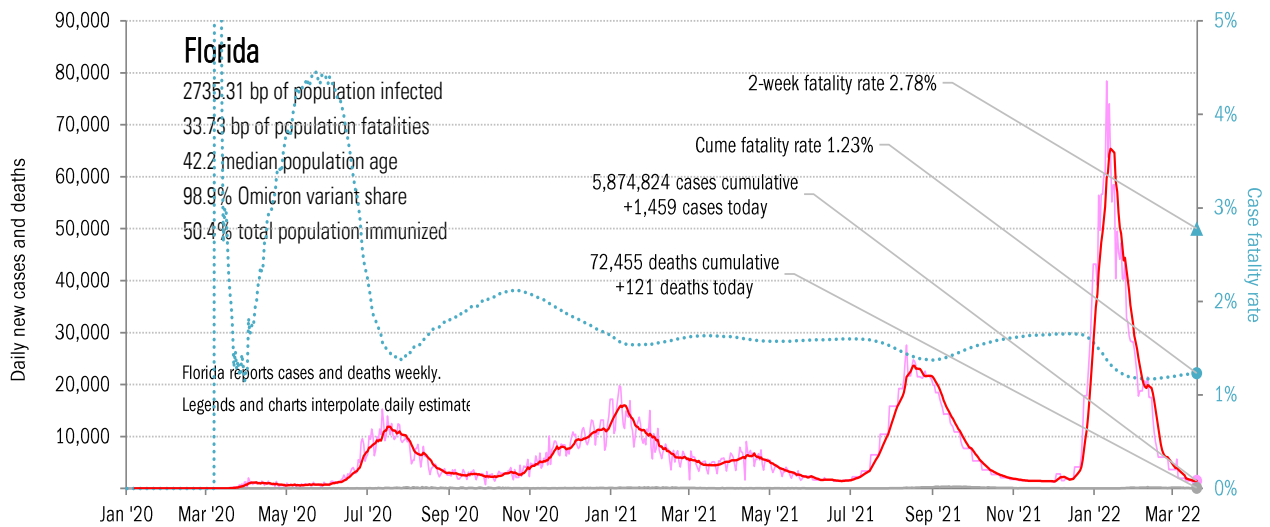
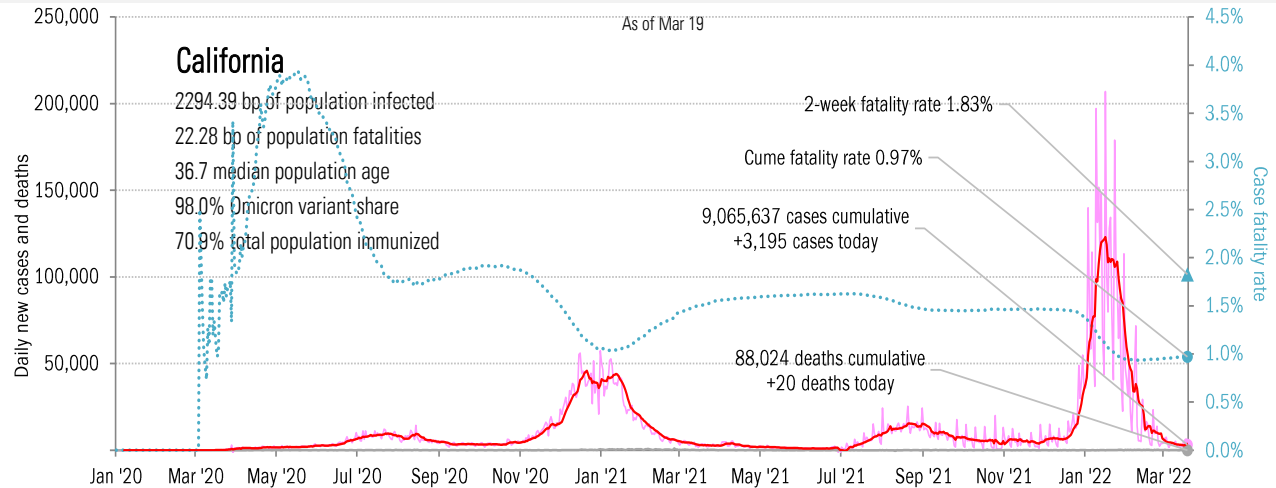
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

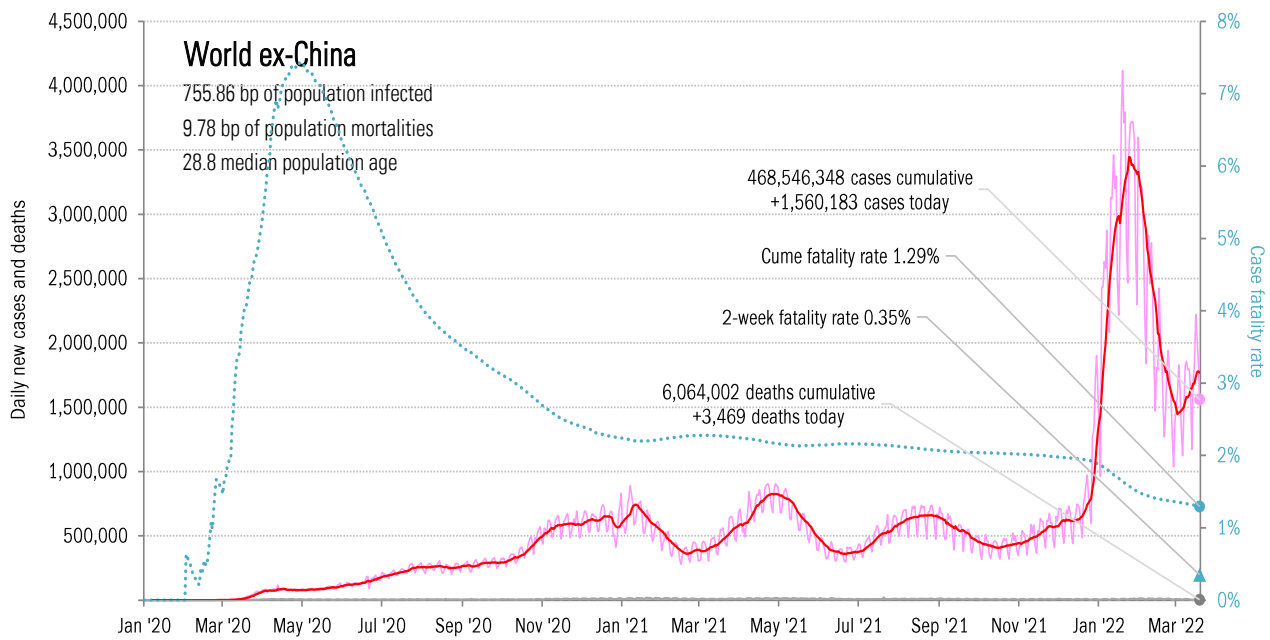
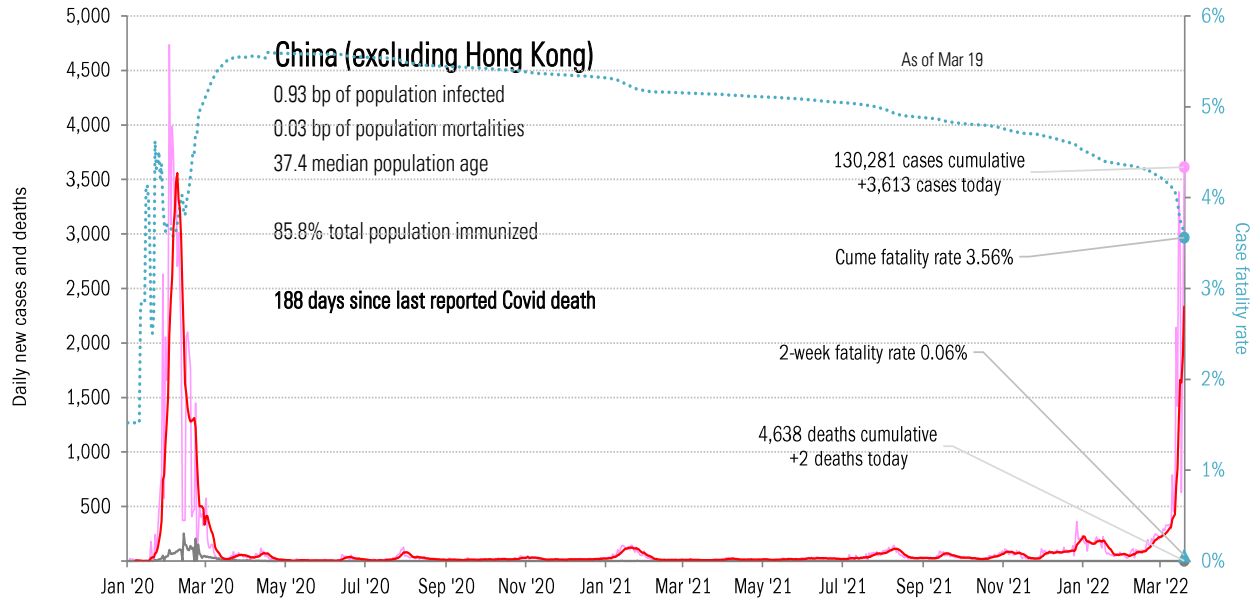
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

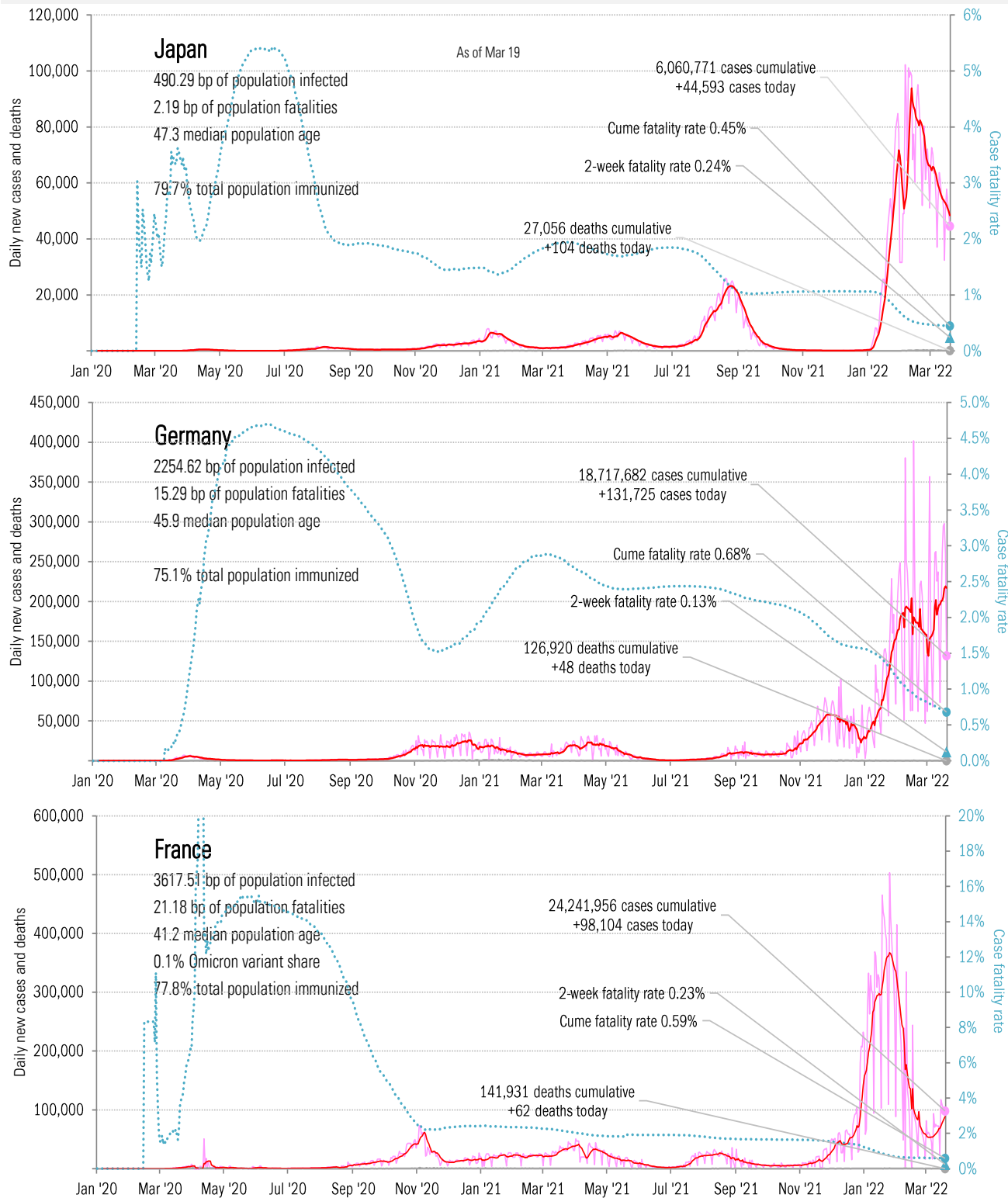
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

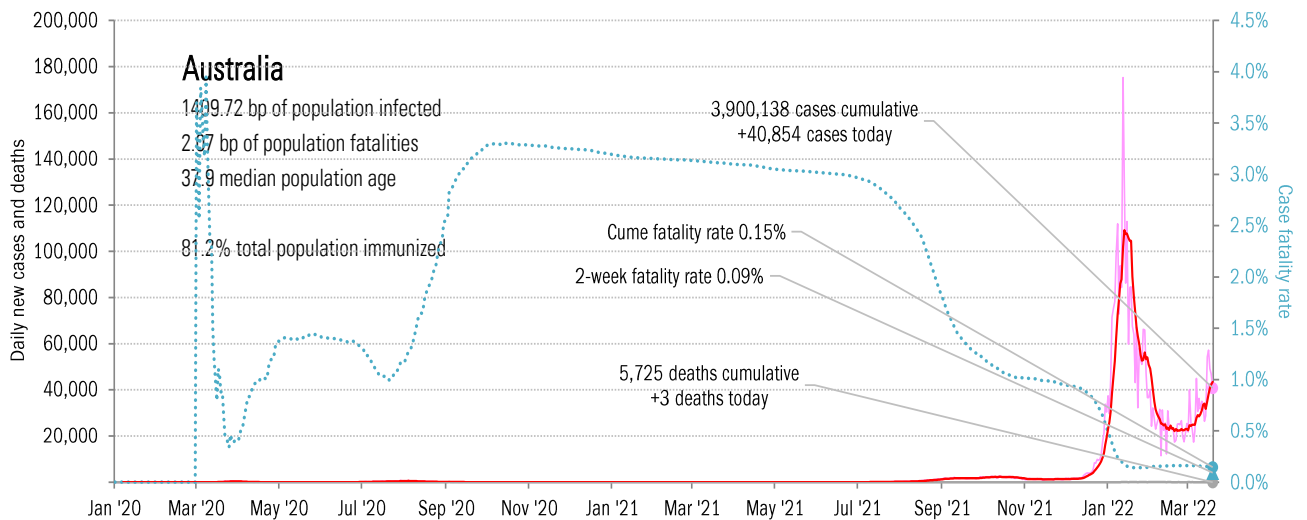
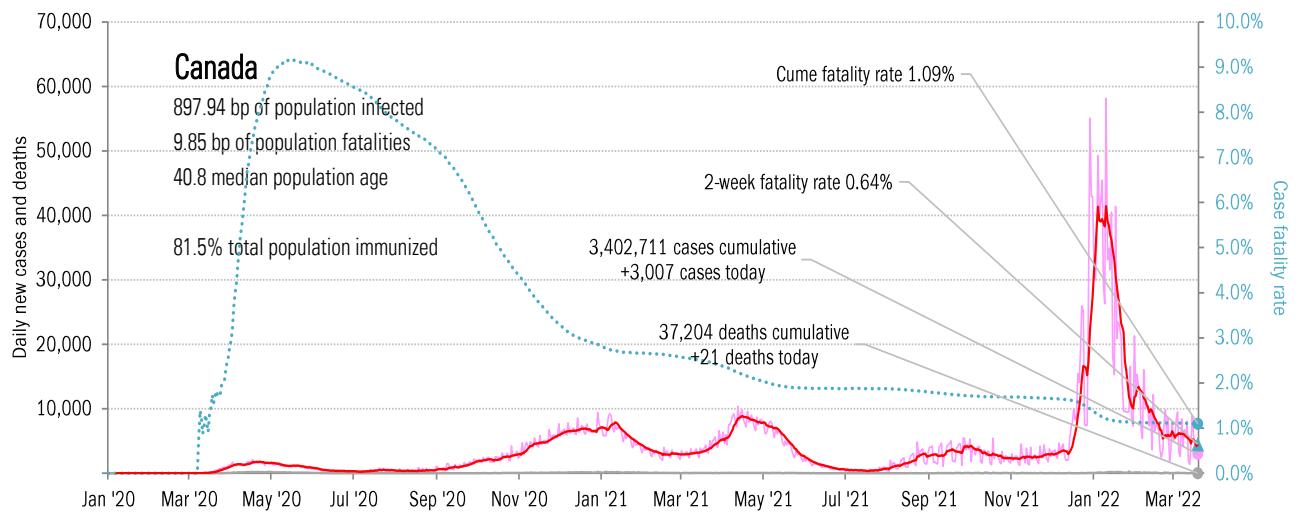
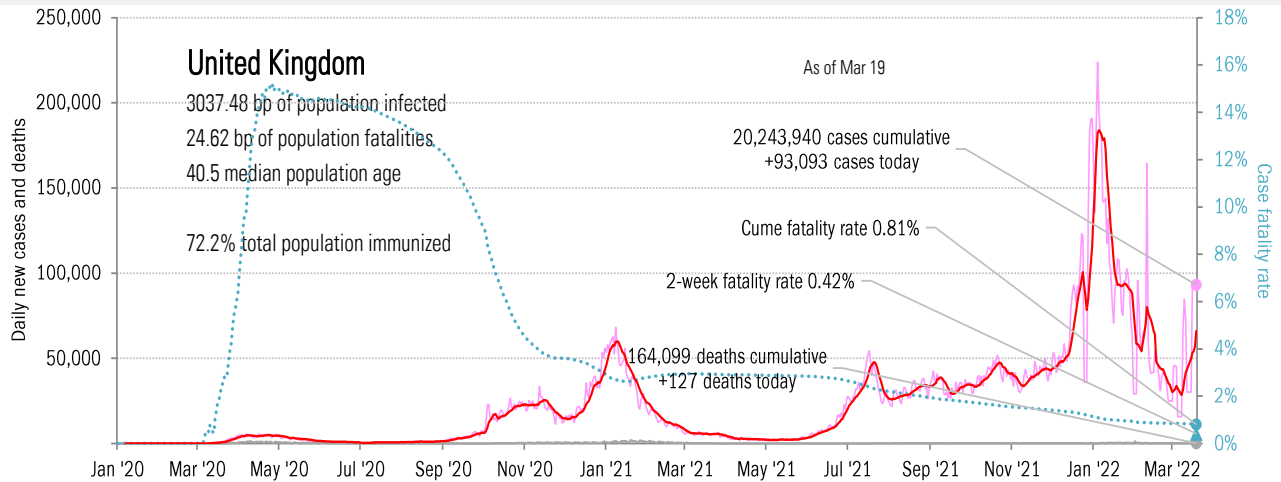
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

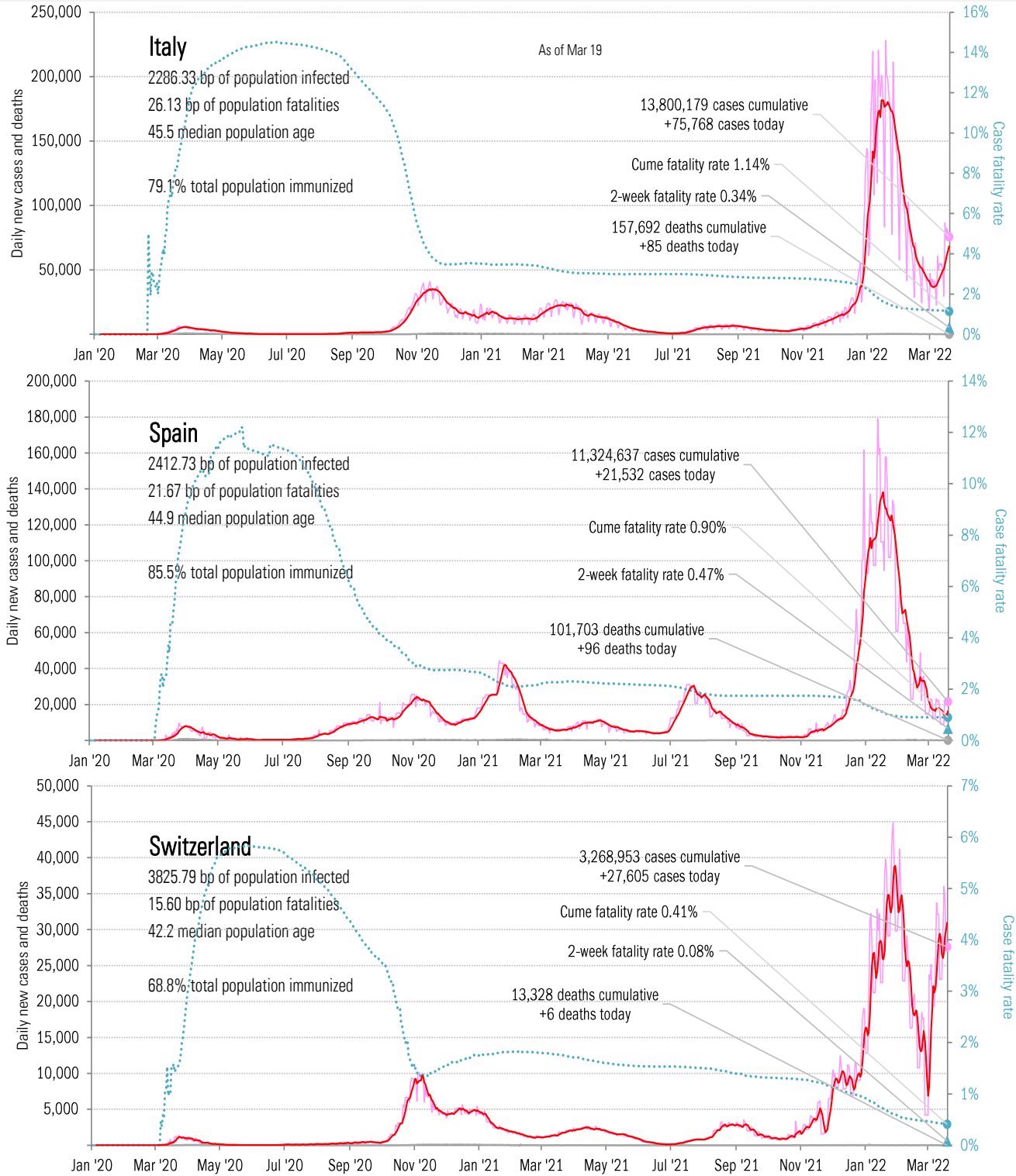
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

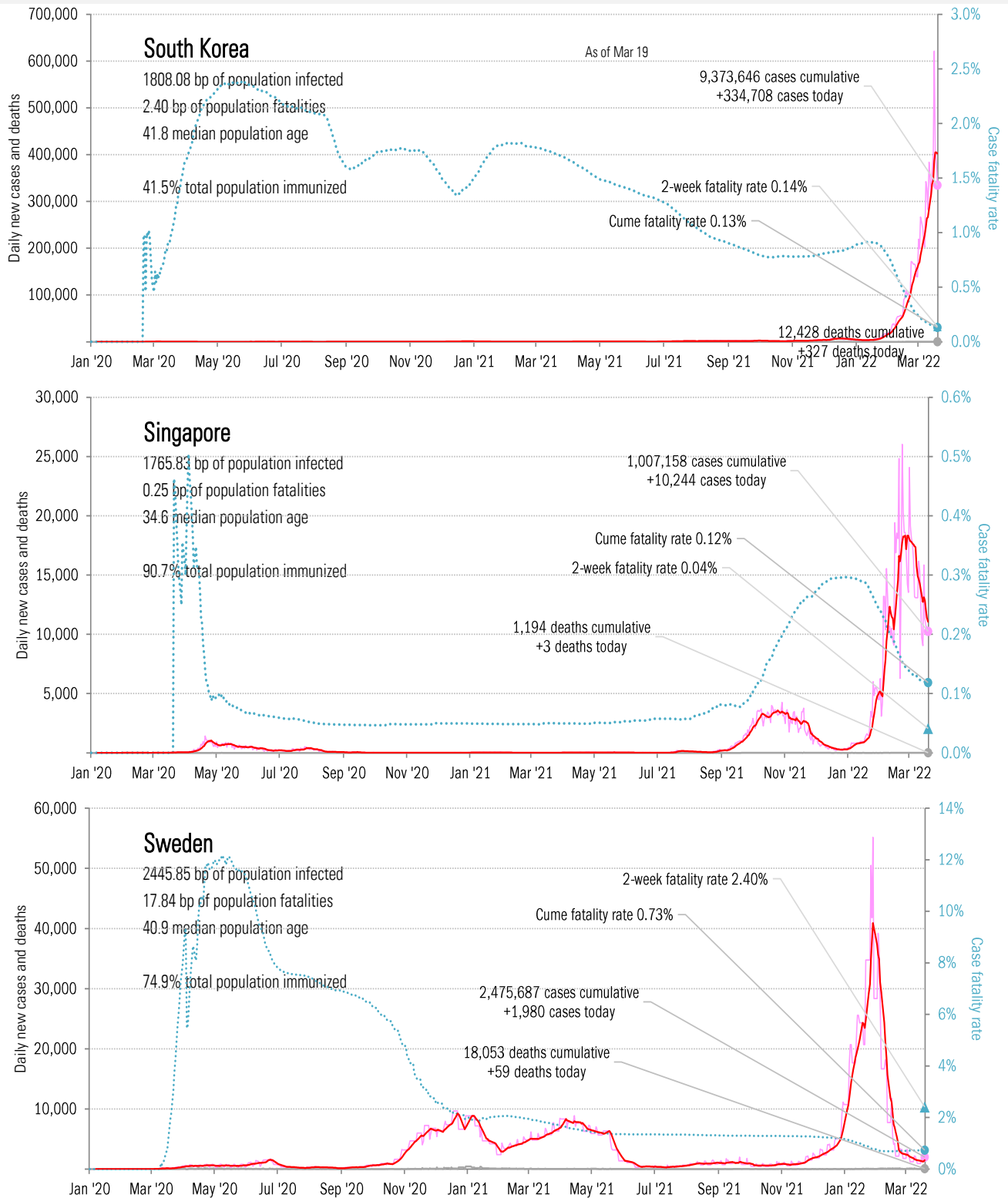
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

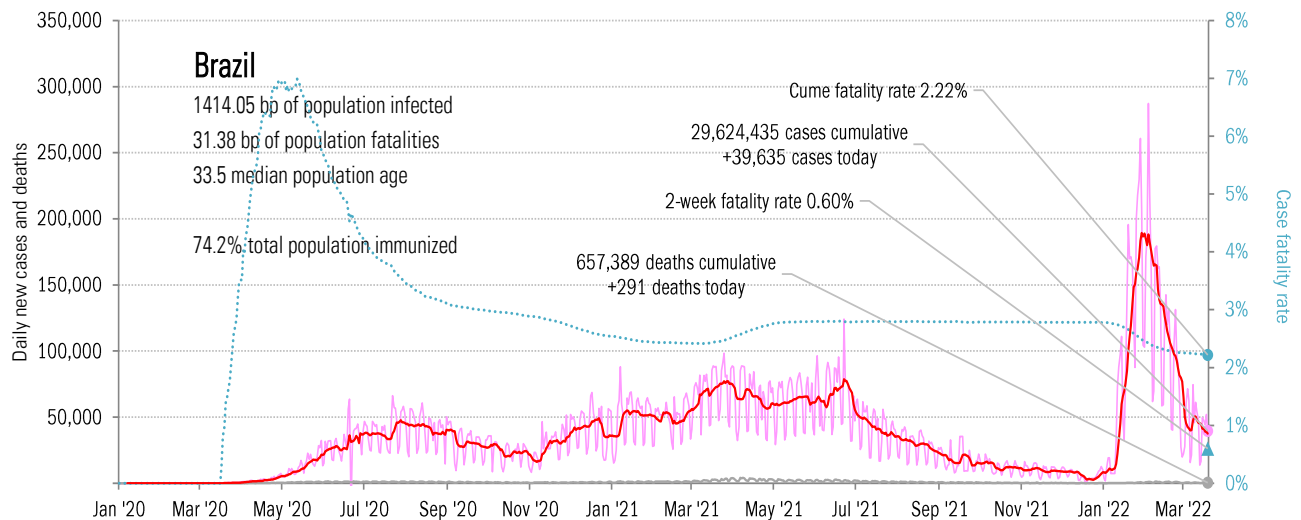
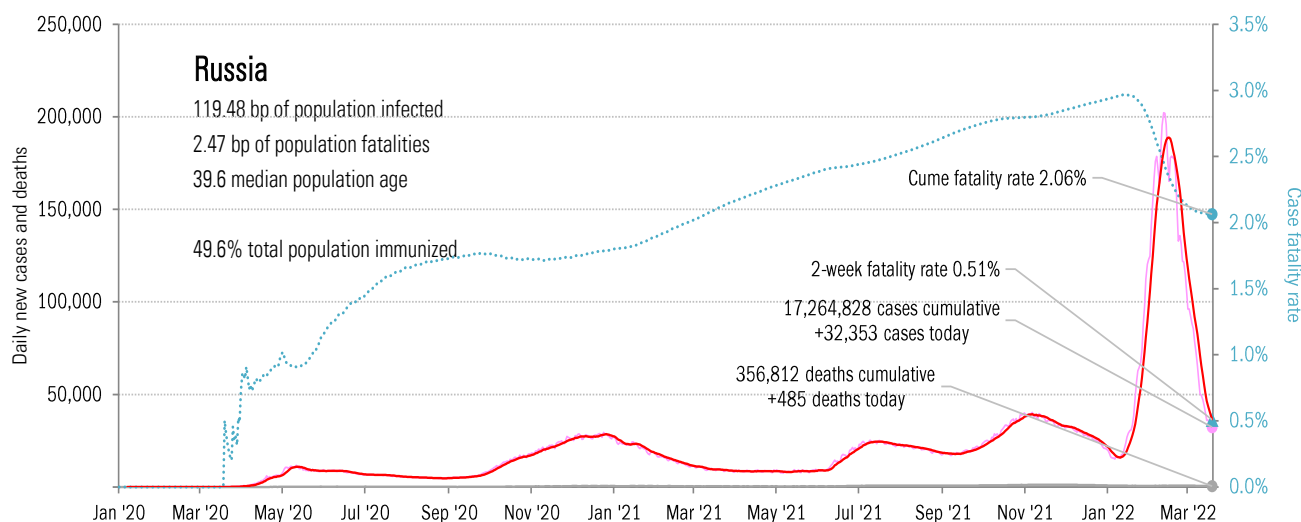
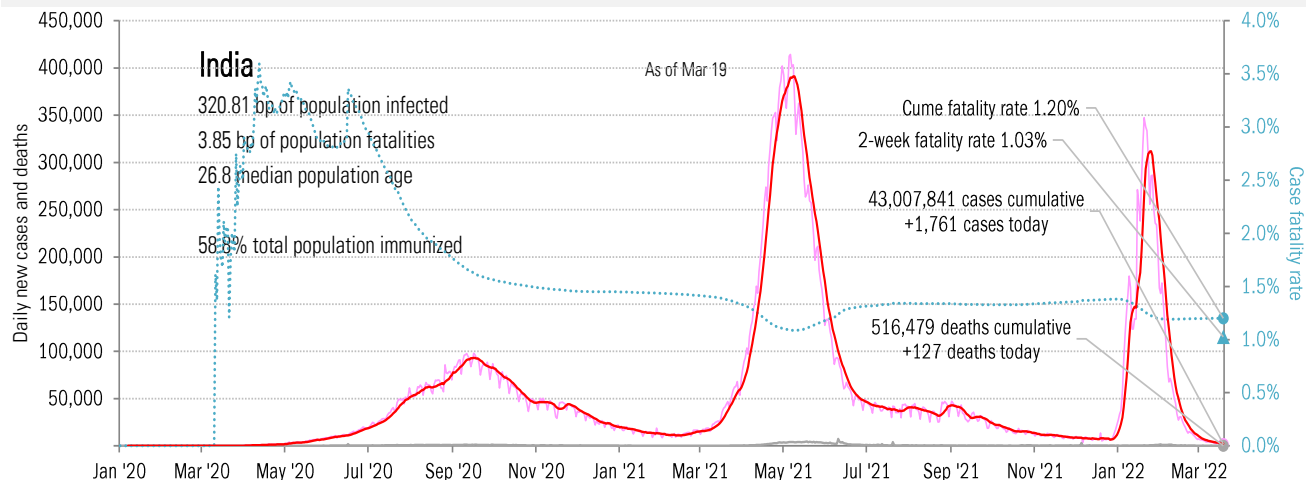
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

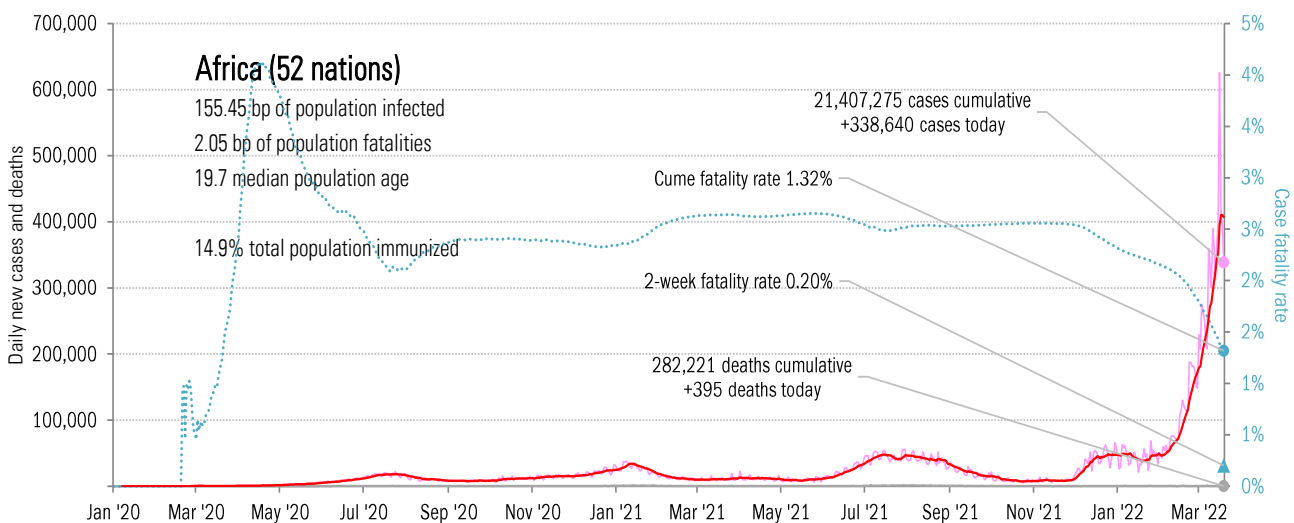
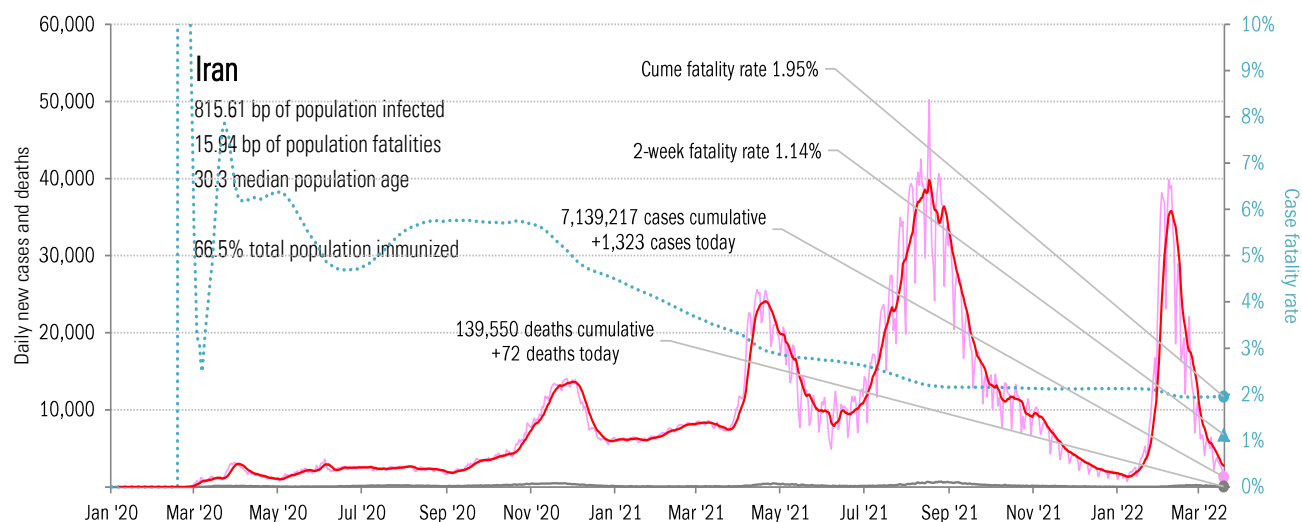
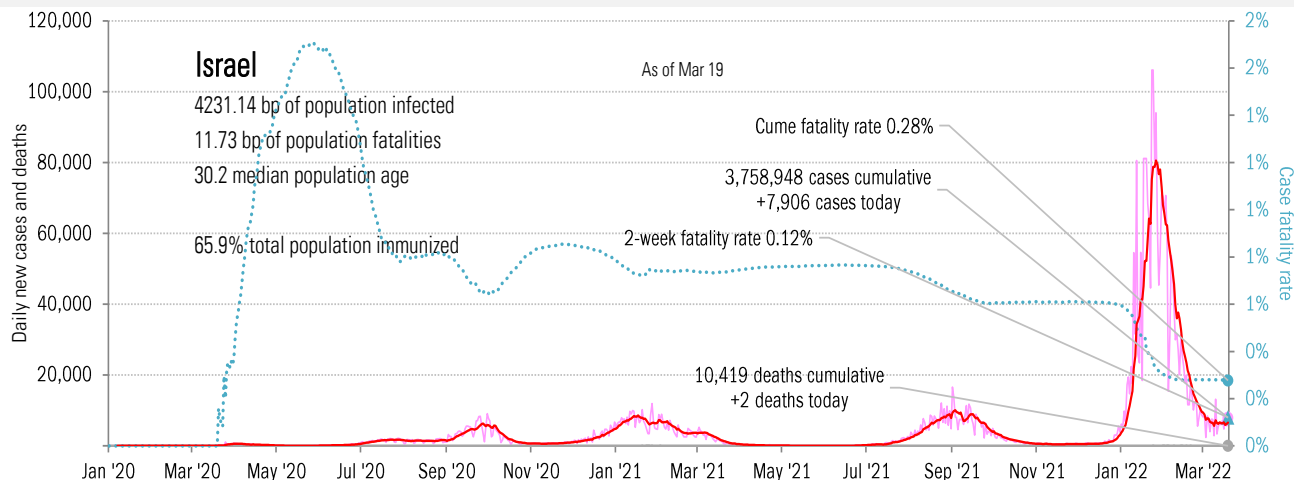
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

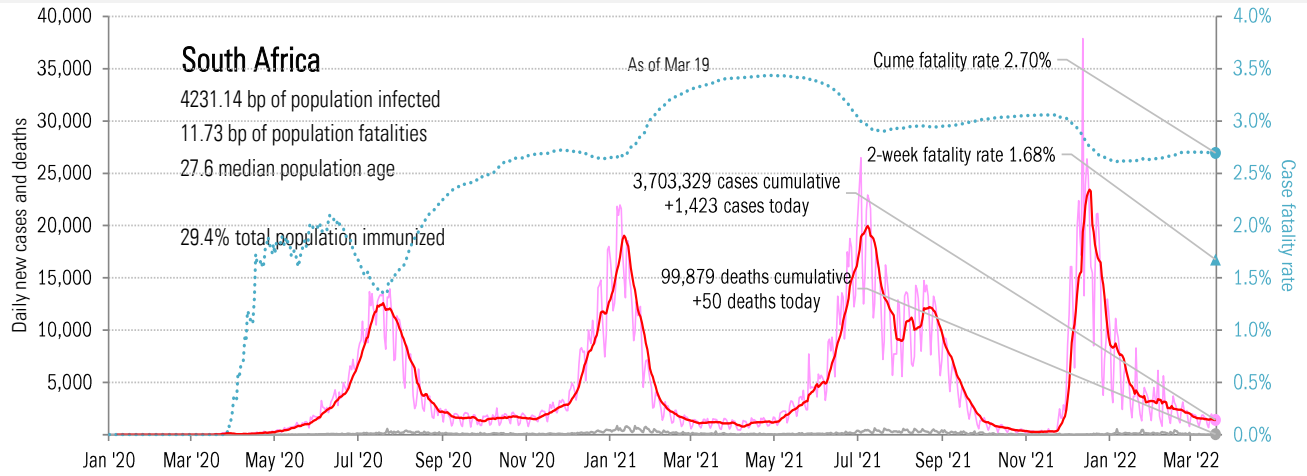
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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