Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

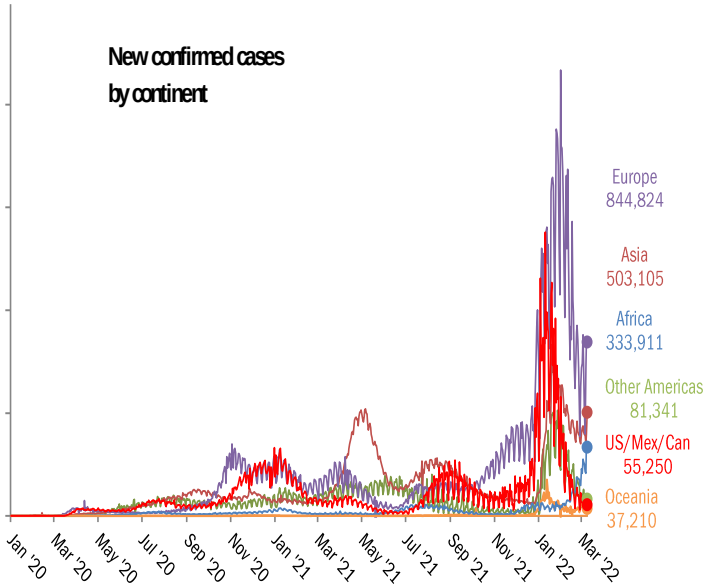
Thursday, March 10, 2022

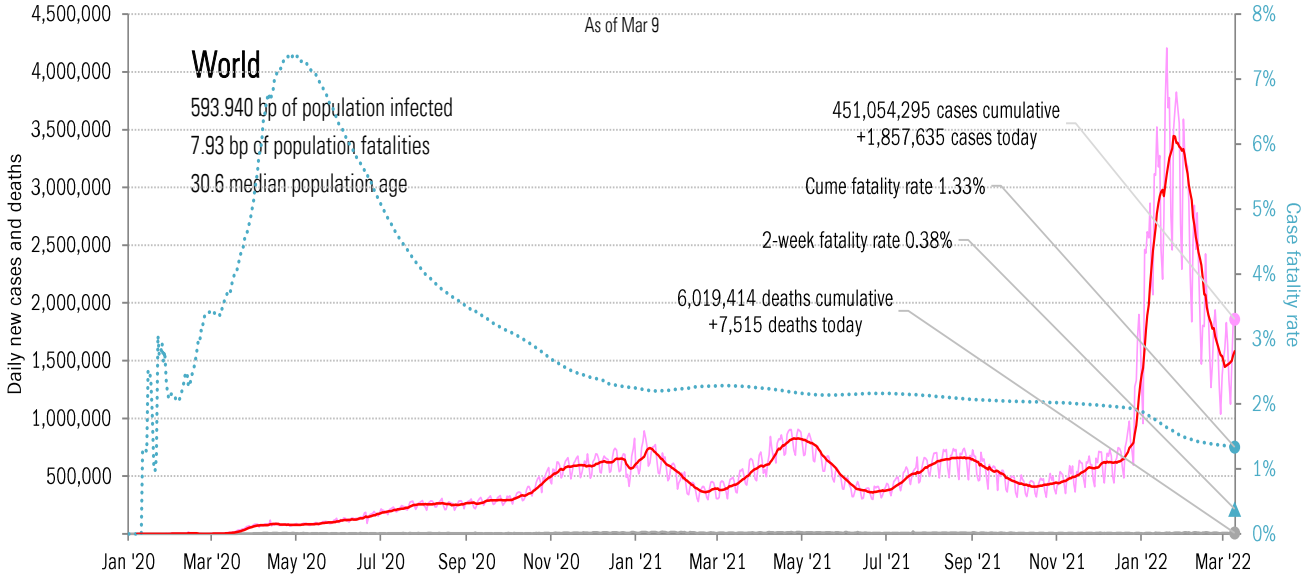
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Korea, South	327,532	United States	2,069
Vietnam	265,163	Russia	634
Germany	262,785	Brazil	633
Netherlands	74,246	Indonesia	304
France	70,326	Germany	259
United Kingdom	68,655	Mexico	242
Japan	63,672	Poland	234
Russia	57,787	Japan	213
Italy	49,815	Korea, South	206
Austria	47,795	Iran	173
	1,287,776		4,967
World	1,857,635	World	7,515
Top ten	69%	Top ten	66%





Source: Johns Hopkins, TrendMacro calculations

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

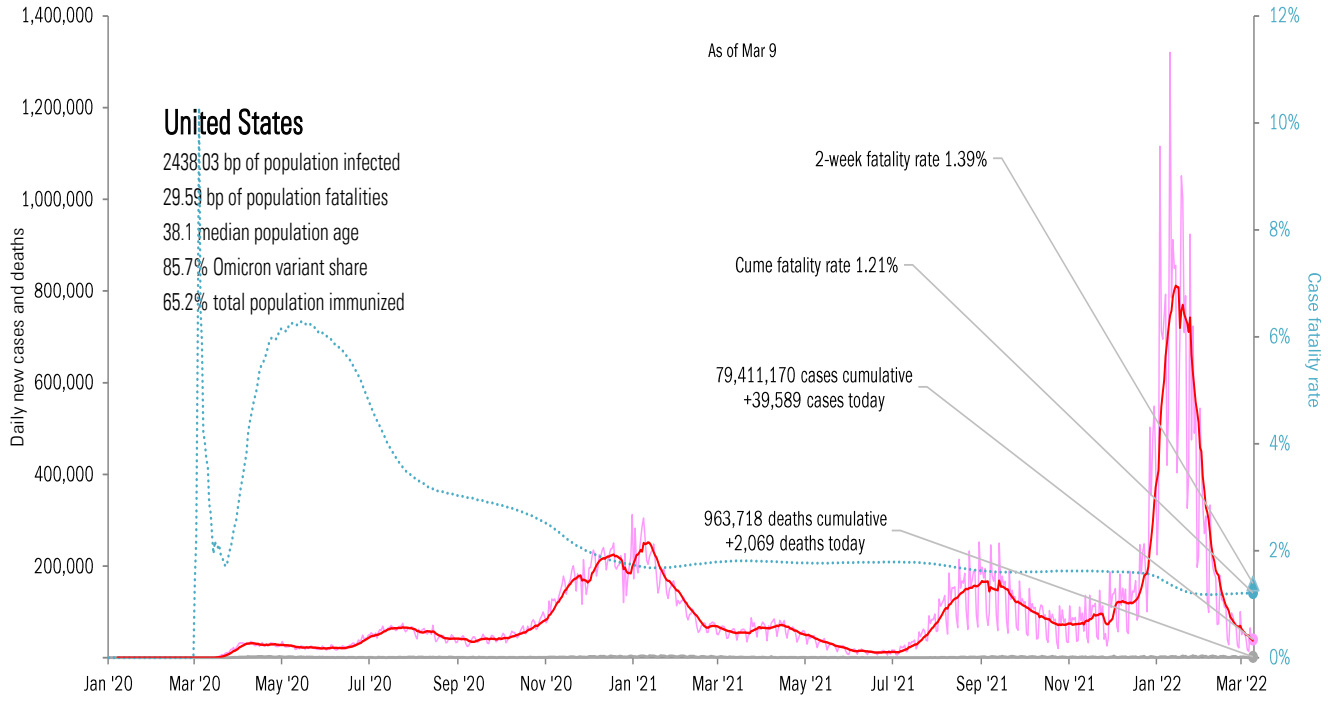
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
TX	5,268	AZ	382	NY	550	CA	9,023,993	CA	86,908	TX	483,000	DE	115%	DE	110%
CA	4,594	MI	277	CT	3	TX	6,653,227	TX	86,046	CA	418,093	RI	86%	TX	89%
WA	2,462	CA	209	NM	3	FL	5,862,620	FL	71,296	FL	410,666	WV	84%	KY	85%
MI	2,165	FL	164	WY	1	NY	4,940,801	NY	67,611	NY	243,660	DC	83%	NM	84%
FL	1,994	TX	132	AS	0	IL	3,042,495	PA	43,730	GA	204,637	MA	83%	MS	84%
NC	1,833	IA	91	DE	0	PA	2,766,523	OH	37,212	OH	188,730	GA	83%	RI	84%
NY	1,691	GA	80	GU	0	OH	2,661,557	GA	36,026	PA	174,148	MN	83%	AK	82%
IL	1,634	IN	77	ID	0	NC	2,604,971	IL	35,443	IL	154,975	WA	82%	AL	81%
AK	1,486	TN	69	MP	0	GA	2,474,277	MI	35,135	MI	139,320	PA	82%	IN	80%
GA	1,221	WI	58	VI	0	MI	2,369,853	NJ	33,054	KY	138,876	MO	81%	MA	79%
	24,348		1,539		557		42,400,317		532,461		2,556,105				
All states	39,589		2,069		-630	All states	79,411,170		963,718		4,634,366	All states	70%		67%
Top ten	62%		74%		-88%	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	
VA	-1,087	MO	-200	GA	-283	AK	+20 bp
MN	-884	PA	-54	NC	-62	CO	+10 bp
CT	-861	VA	-38	AZ	-53	DE	+10 bp
TN	-798	MA	-36	PA	-45	IA	+10 bp
FL	-580	AL	-33	OR	-19	MO	+10 bp



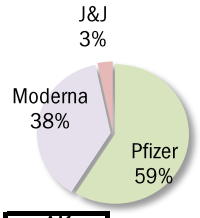
Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative				Today
Doses	570,874,472				+0.154 million
Boosters	96,753,756				+0.059 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	261,945,188	78%	222,584,009	67%	+0.042 million
Age 12 to 17	17,404,122	69%	14,831,190	59%	+0.005 million
Age 18 to 64	176,529,806	87%	149,678,064	74%	+0.024 million
Age 65 and over	58,246,858	100%	50,396,695	92%	+0.003 million

Immunity	Full	Partial
US	65.2%	76.6%
UK	72.0%	77.2%
France	77.7%	80.1%
Spain	83.7%	87.9%
Germany	75.0%	75.7%
Italy	78.9%	83.9%
Australia	79.9%	85.7%
Israel	65.9%	72.1%
Canada	81.4%	85.7%
Japan	79.6%	80.8%
Africa	14.2%	19.3%
India	57.8%	69.5%
Brazil	73.1%	83.5%
China	85.5%	87.9%

Global data differs due to sources, timing



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

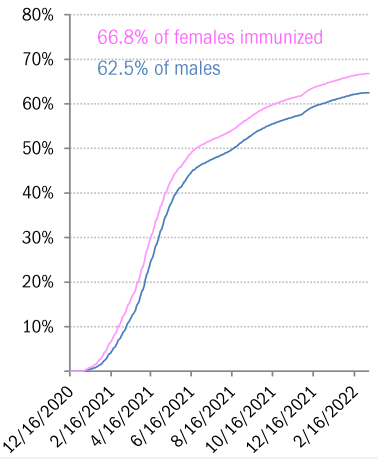
"Immunity" = two doses

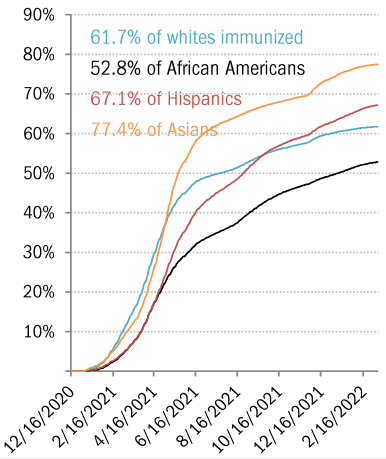
Best
Middle
Worst

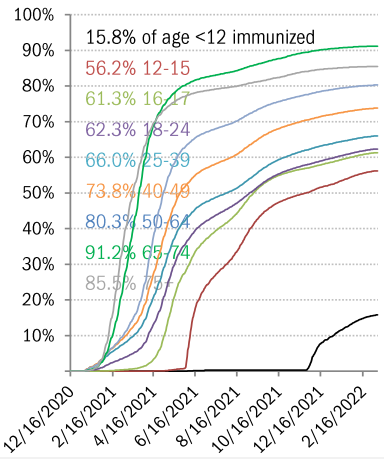
As of Mar 9

					WI					ME
					71.2%					89.4%
					64.8%					78.5%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
79.9%	60.5%	64.6%	64.5%	74.5%	76.2%	66.4%		89.2%	92.9%	95.0%
71.7%	53.3%	56.1%	54.5%	68.4%	67.8%	59.5%		75.8%	80.4%	69.6%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.1%	74.2%	58.1%	75.2%	67.4%	60.8%	63.0%	83.6%	89.3%	95.0%	
68.9%	59.9%	50.8%	60.1%	61.3%	54.2%	57.8%	67.2%	74.5%	77.8%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.0%	71.3%	78.5%	69.5%	65.5%	65.5%	64.3%	84.7%	85.2%	94.2%	95.0%
70.7%	63.4%	69.4%	62.7%	55.3%	56.6%	56.9%	72.2%	74.3%	78.0%	81.0%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	71.7%	86.2%	73.7%	65.9%	61.5%	82.6%	66.8%	95.0%	82.0%	
	60.4%	69.9%	60.5%	53.7%	53.8%	59.5%	56.1%	71.9%	67.9%	
			OK	LA	MS	AL	GA			
			70.1%	60.3%	58.9%	62.0%	64.5%			
			56.2%	52.7%	51.1%	50.4%	53.8%			
HI			TX					FL		PR
86.6%			71.4%					78.3%		95.0%
77.5%			60.3%					66.1%		81.8%

The demographics of US vaccination



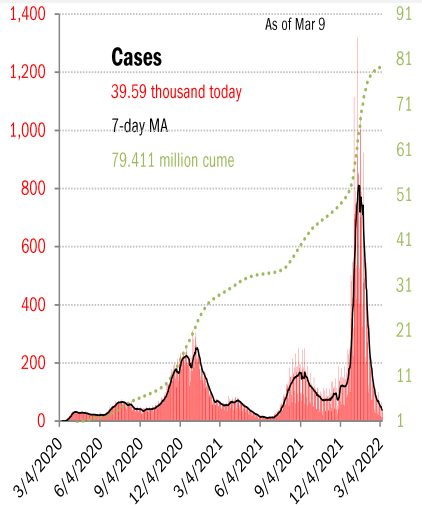


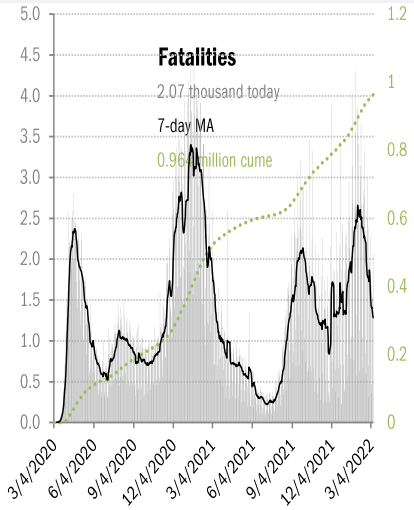


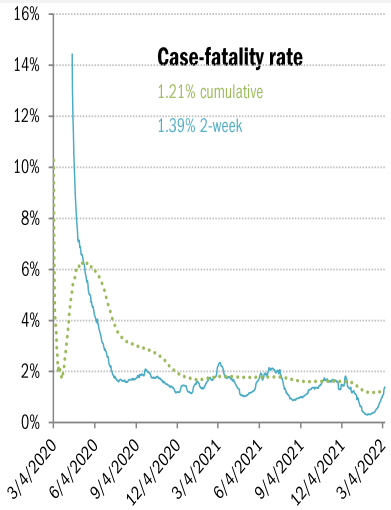
Source: CDC, CDC, Our World in Data, TrendMacro calculations

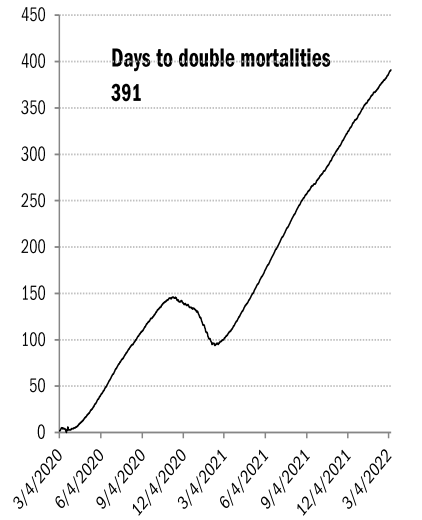
US deep-dive

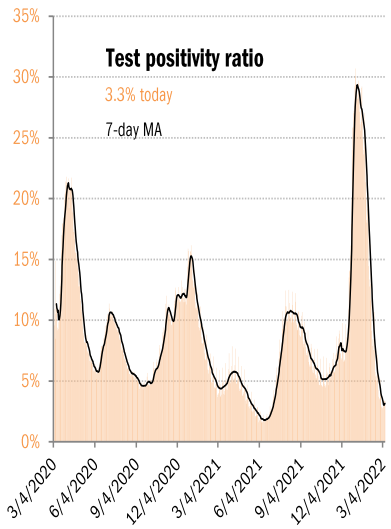
National and state-by-state data do not line up because of different sources

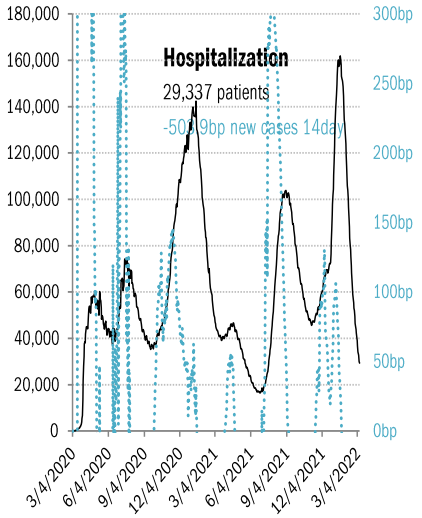


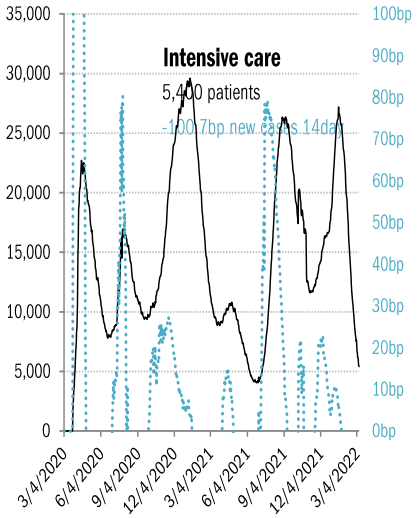


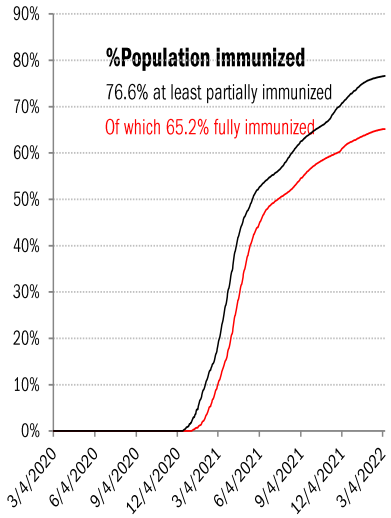










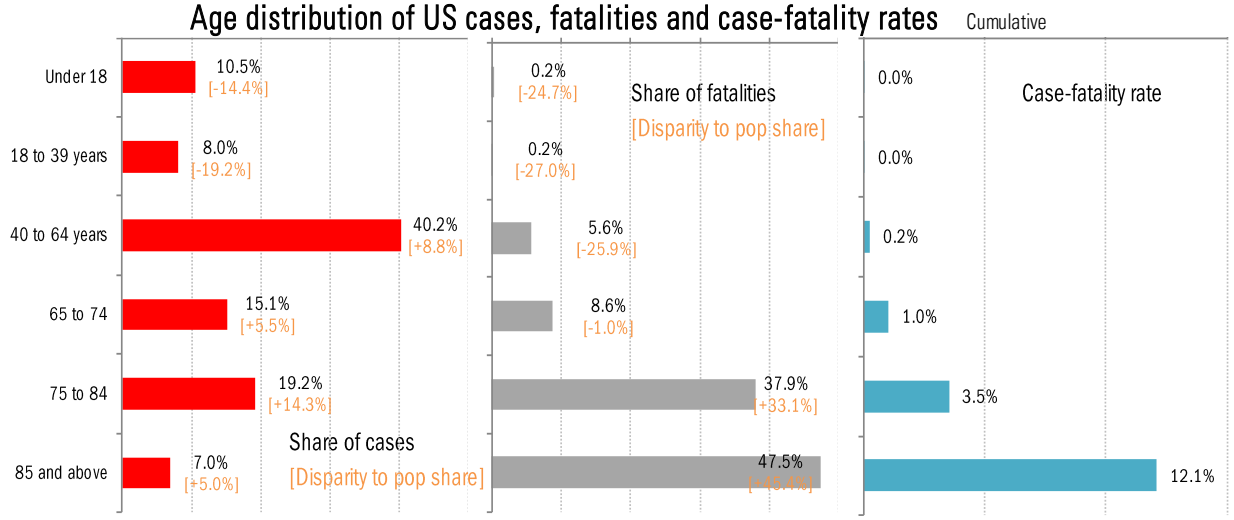


Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

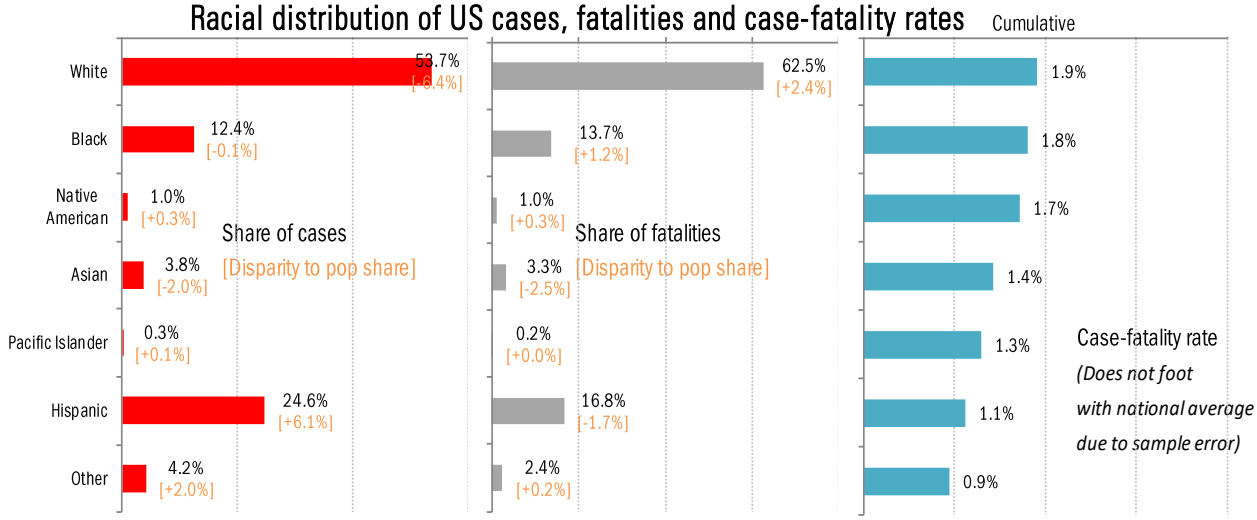
US deep-dive on the demographics of age, race and health

Updates weekly on Sundays

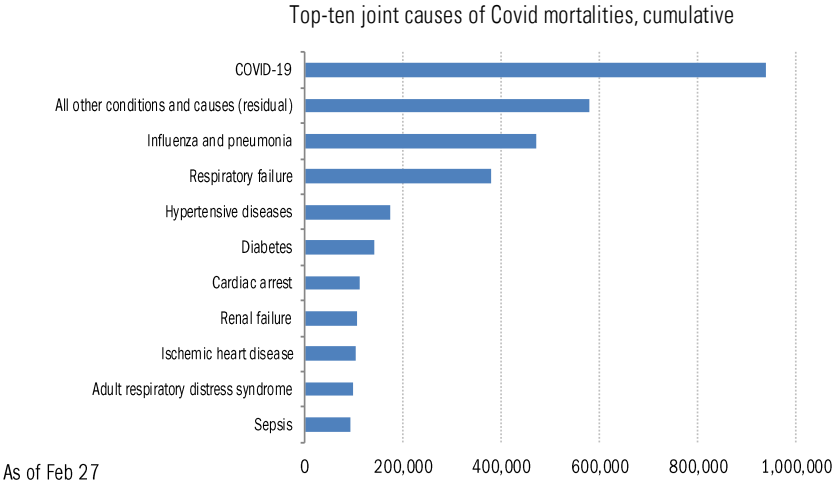
Age distribution of US cases, fatalities and case-fatality rates



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



Comorbidities



As of Feb 27

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.

Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended reading

It's 'Alarming': Children Are Severely Behind in Reading
Dana Goldstein
New York Times
March 8, 2022

Empty Stores and an Exodus: Hong Kong's Covid Crackdown Stirs Panic
Alexandra Stevenson
New York Times
March 9, 2022

DC 'freedom convoy' gets defeated by regular traffic for second day in a row
Shweta Sharma
The Independent
March 8, 2022

Rubio Speaks at Senate Foreign Relations Committee Hearing on Putin's Invasion of Ukraine, Condemns Talks with Maduro
Marco Rubio
March 8, 2022

China demands answers from US for '26 biolabs in Ukraine'
Riyaz ul Khaliq
Anadolu Post
March 8, 2022

California officials raided preschool, interviewed 2-year-olds over mask policies
Jessica Chasmar
Fox News
March 8, 2022

Letter #45, 2022
, Mon, Mar 7: Viganò
Archbishop Carlo Maria Viganò
Inside the Vatican
March 7, 2022

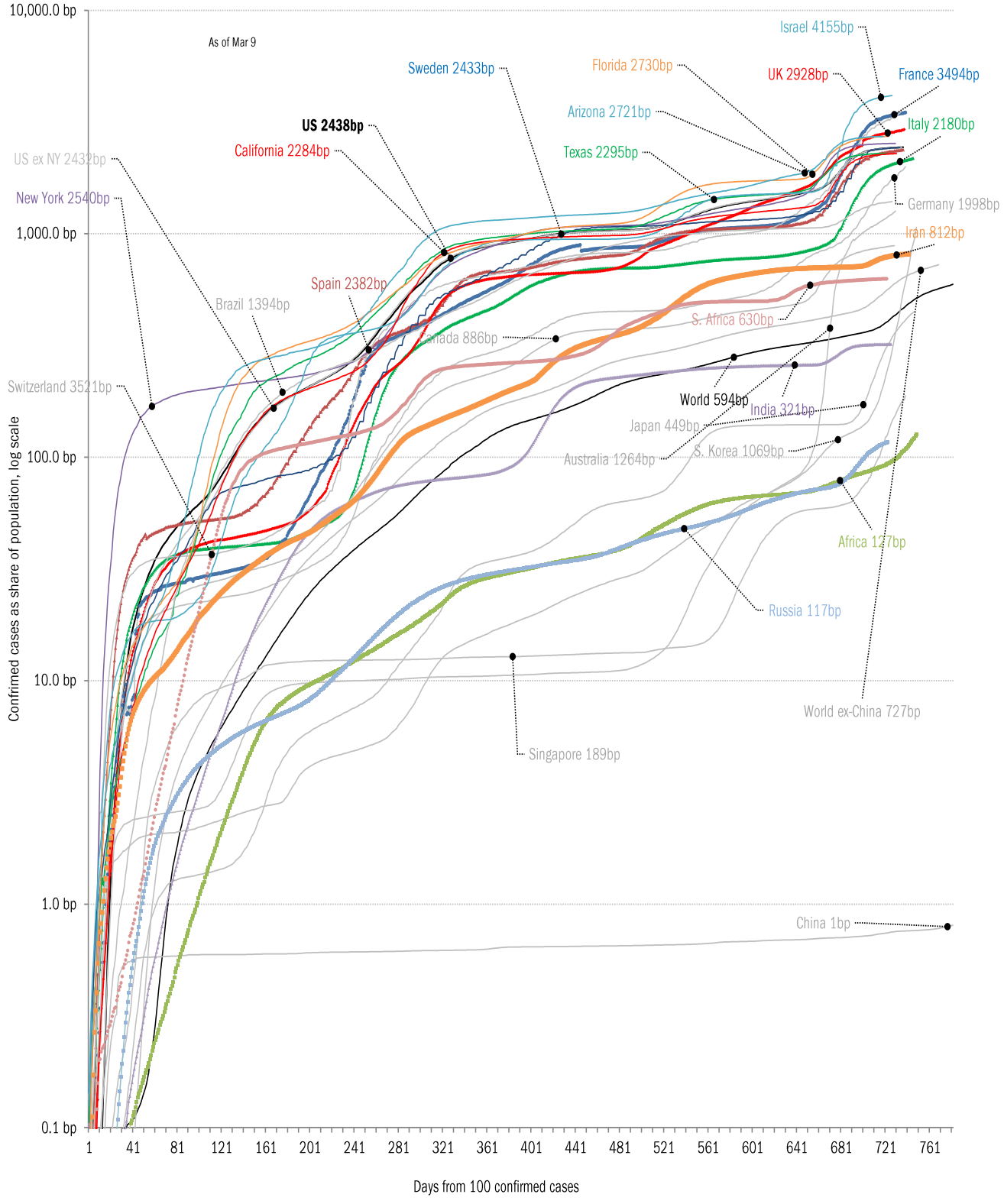
Viganò, Vatican critic, blames 'deep state' for Ukraine war, citing COVID-19 measures
Claire Giangravé
National Catholic Reporter
March 8, 2022

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

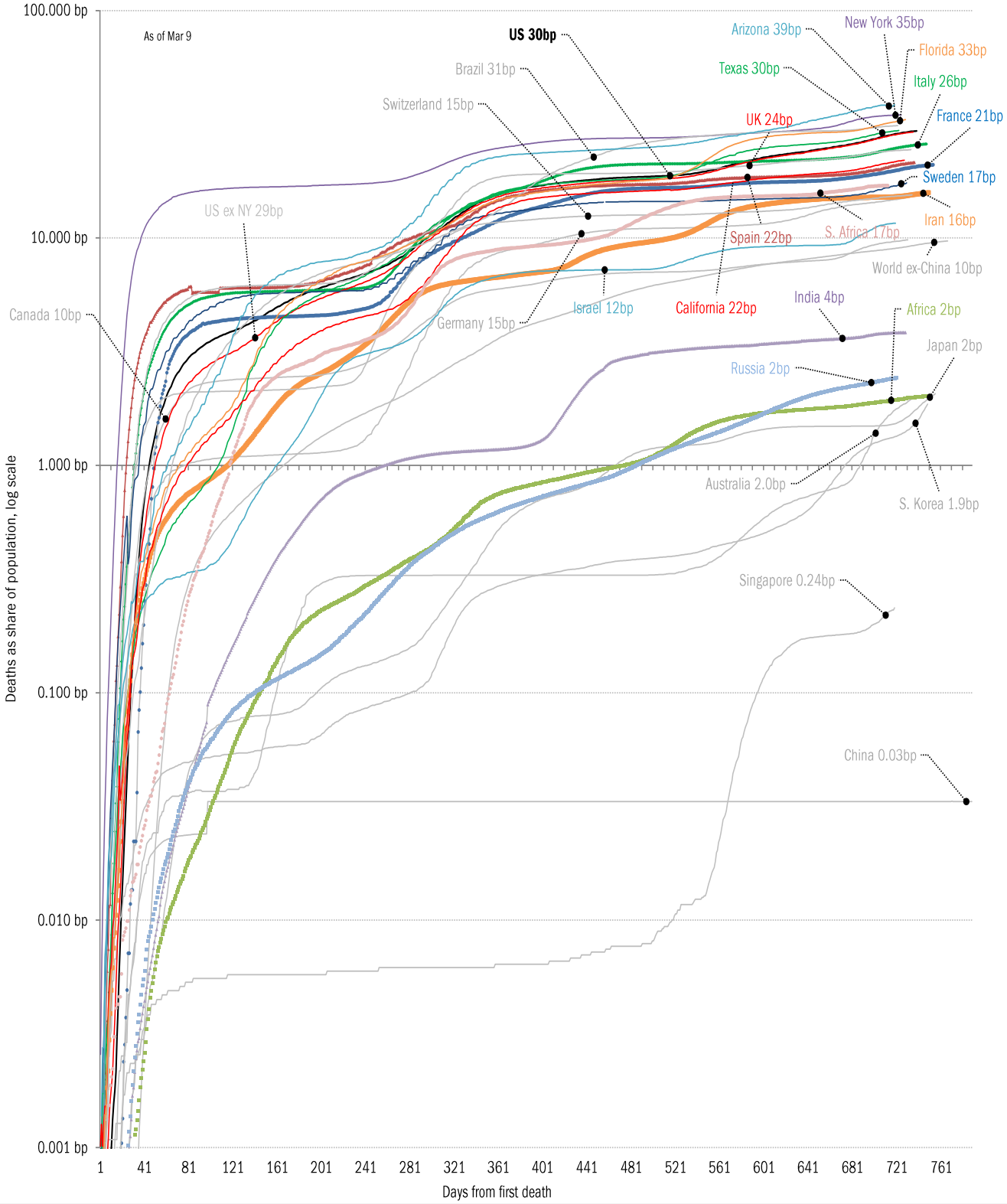
Share of infected population from first day with 100 confirmed cases, log scale



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

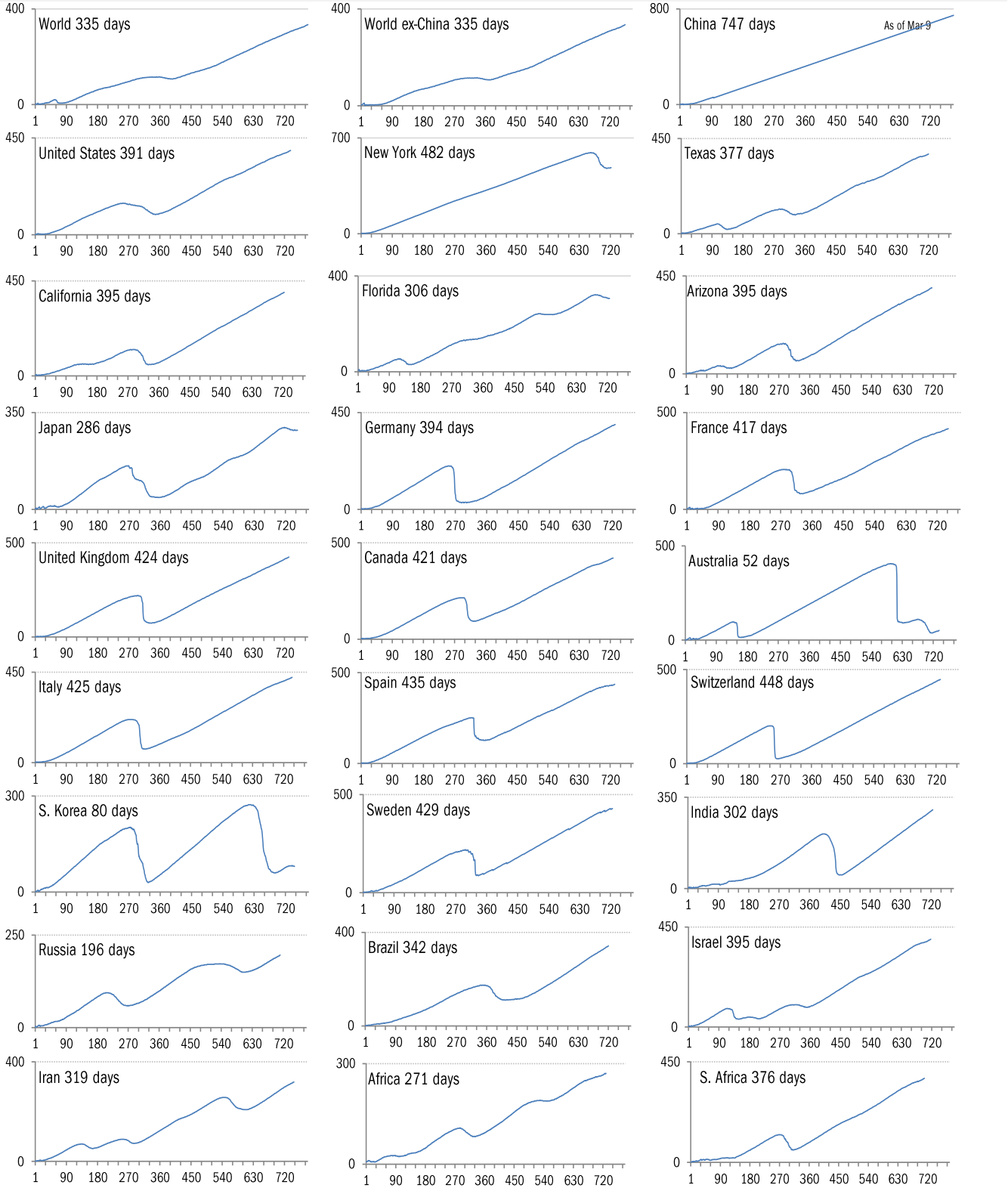


Source: Johns Hopkins, TrendMacro calculations

"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

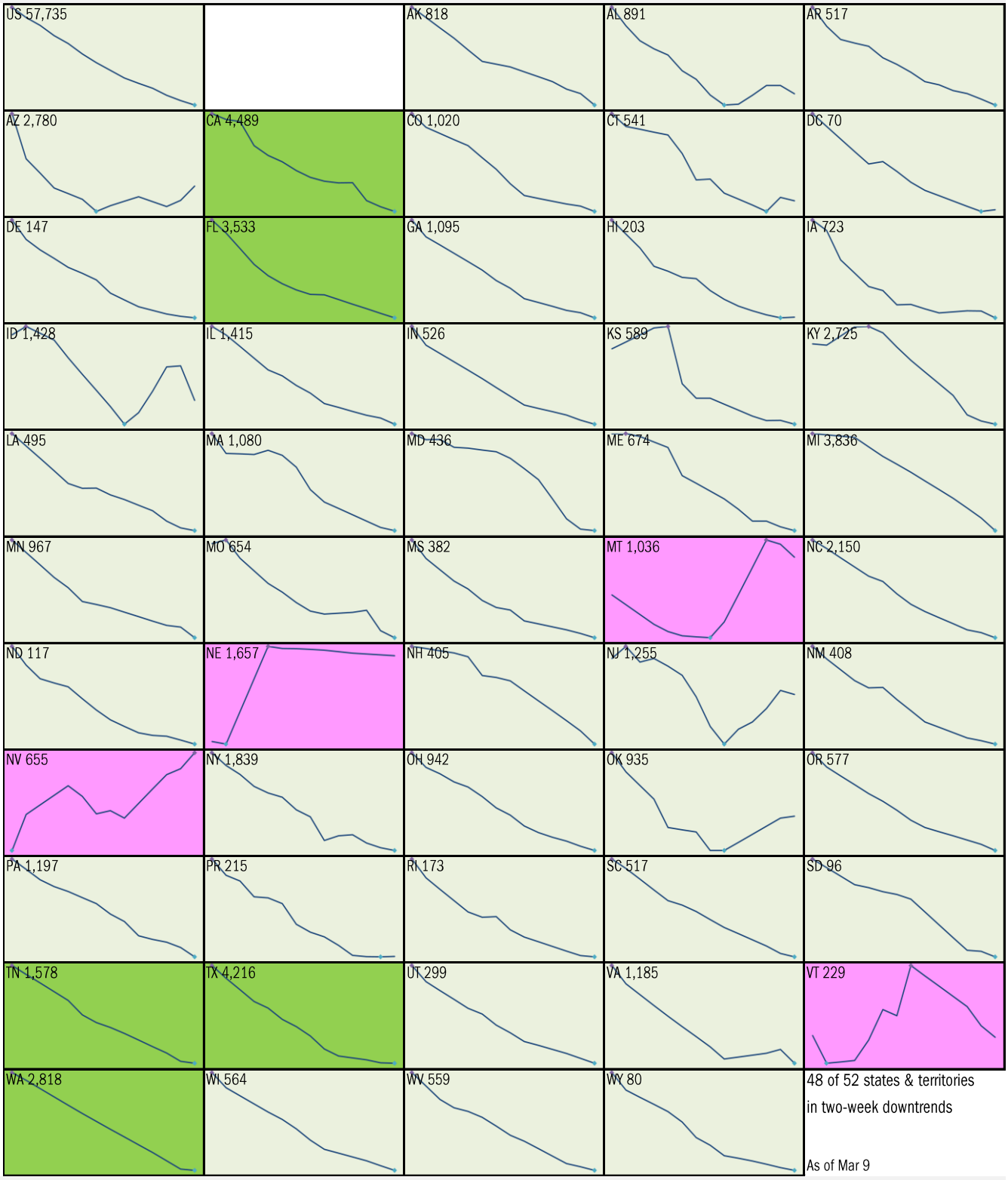


Source: Johns Hopkins, TrendMacro calculations

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

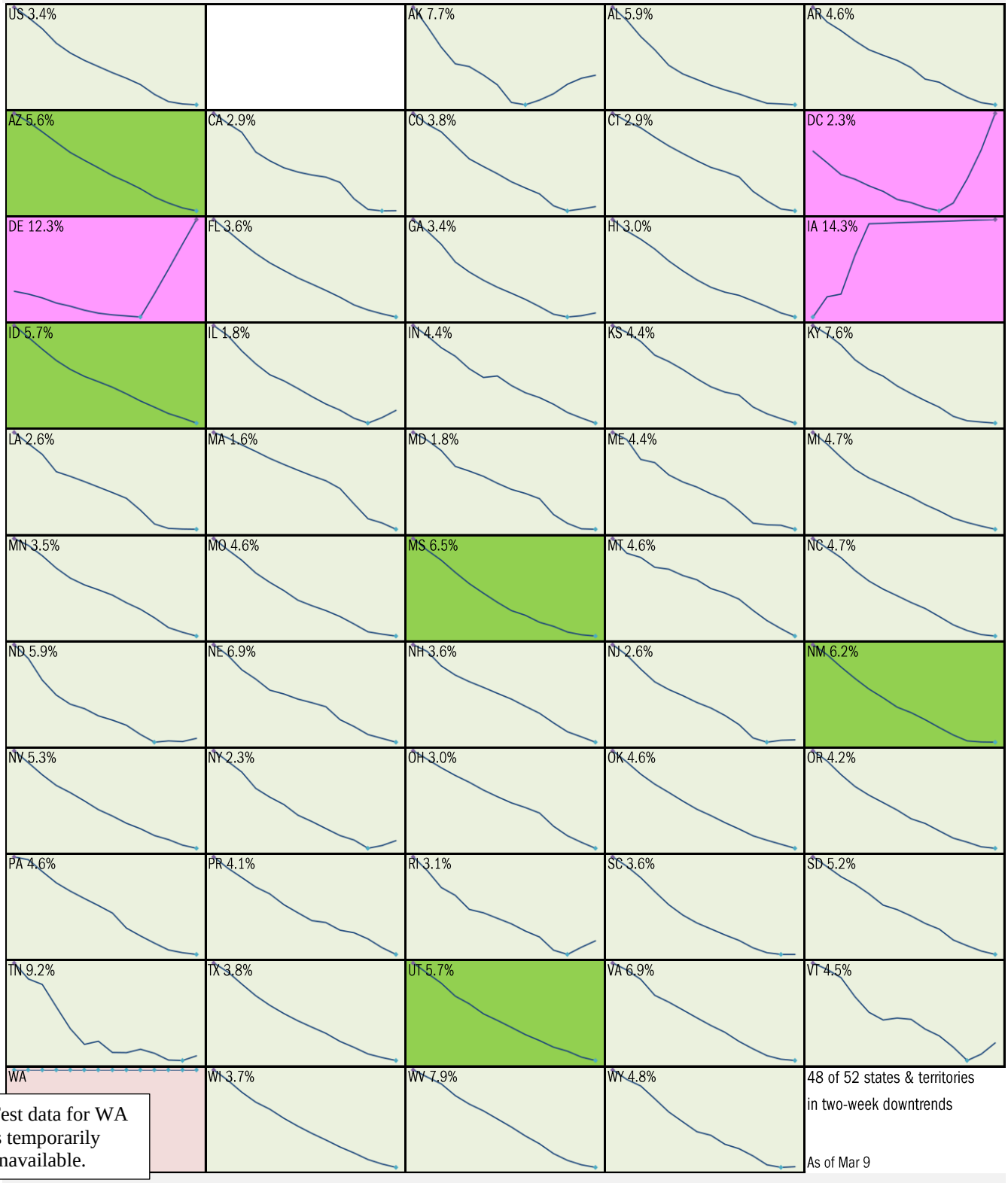


Source: Johns Hopkins, TrendMacro calculations

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

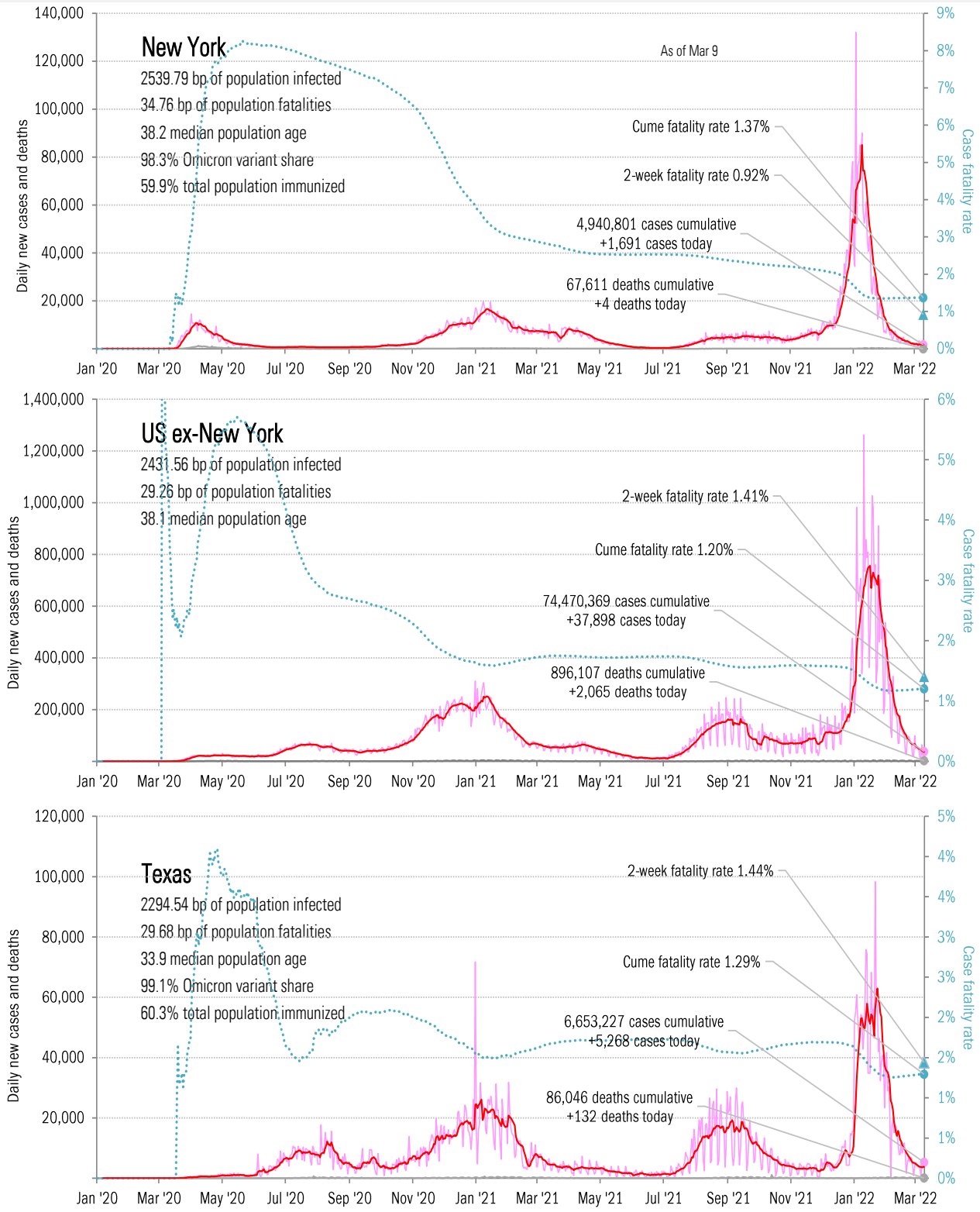


Test data for WA is temporarily unavailable.

Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

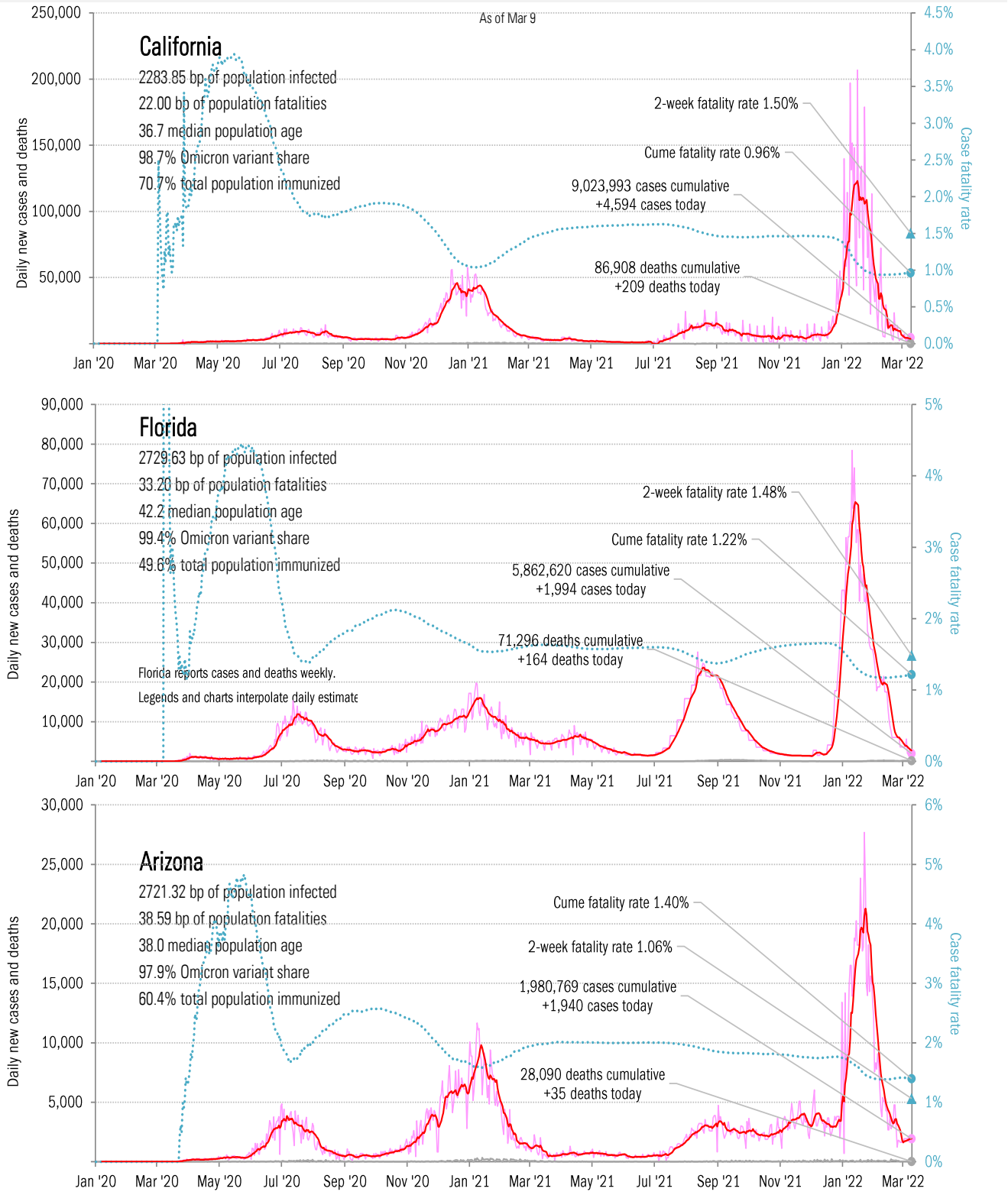
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

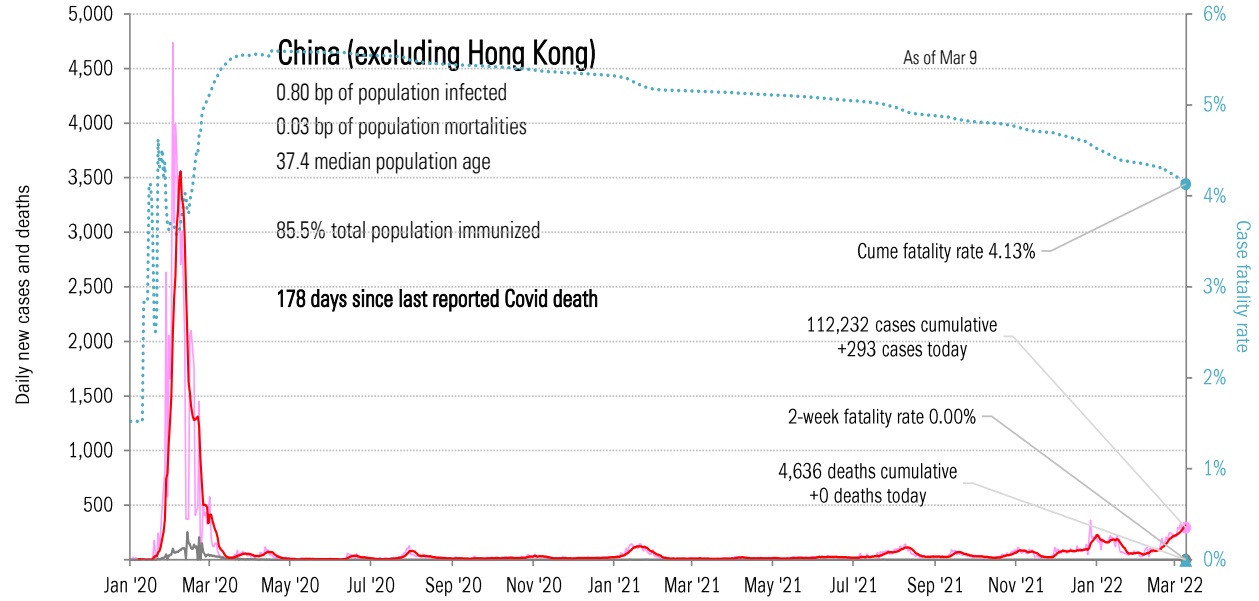
Cases: 7-day average and daily Deaths: Daily

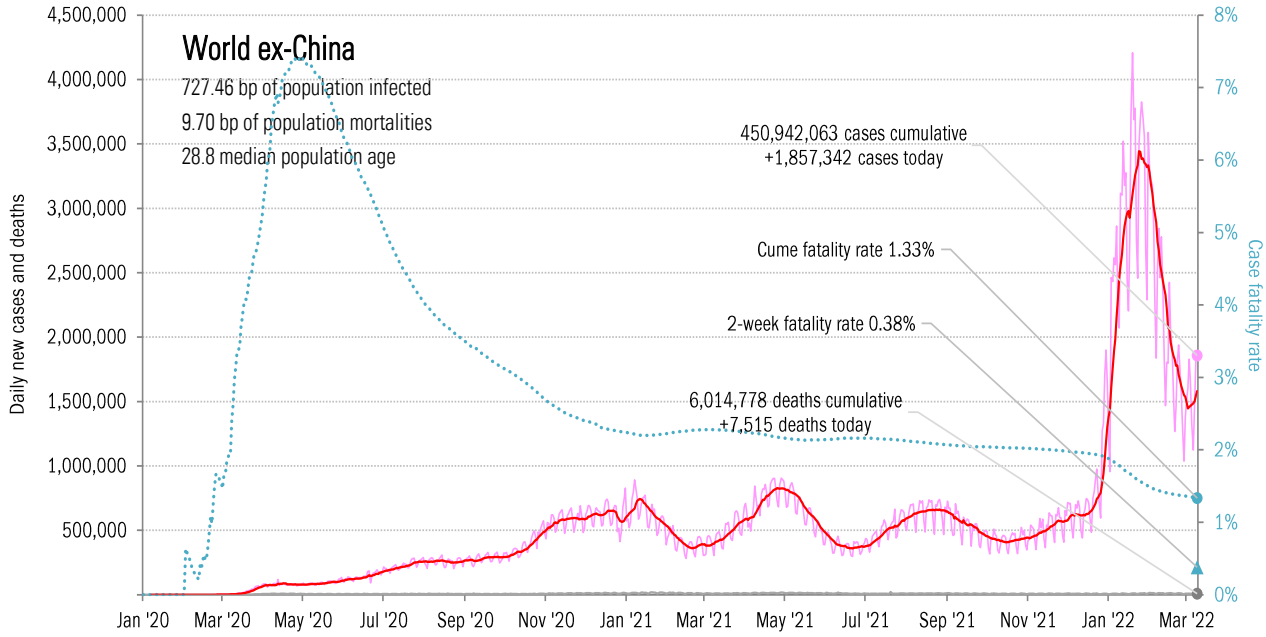


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

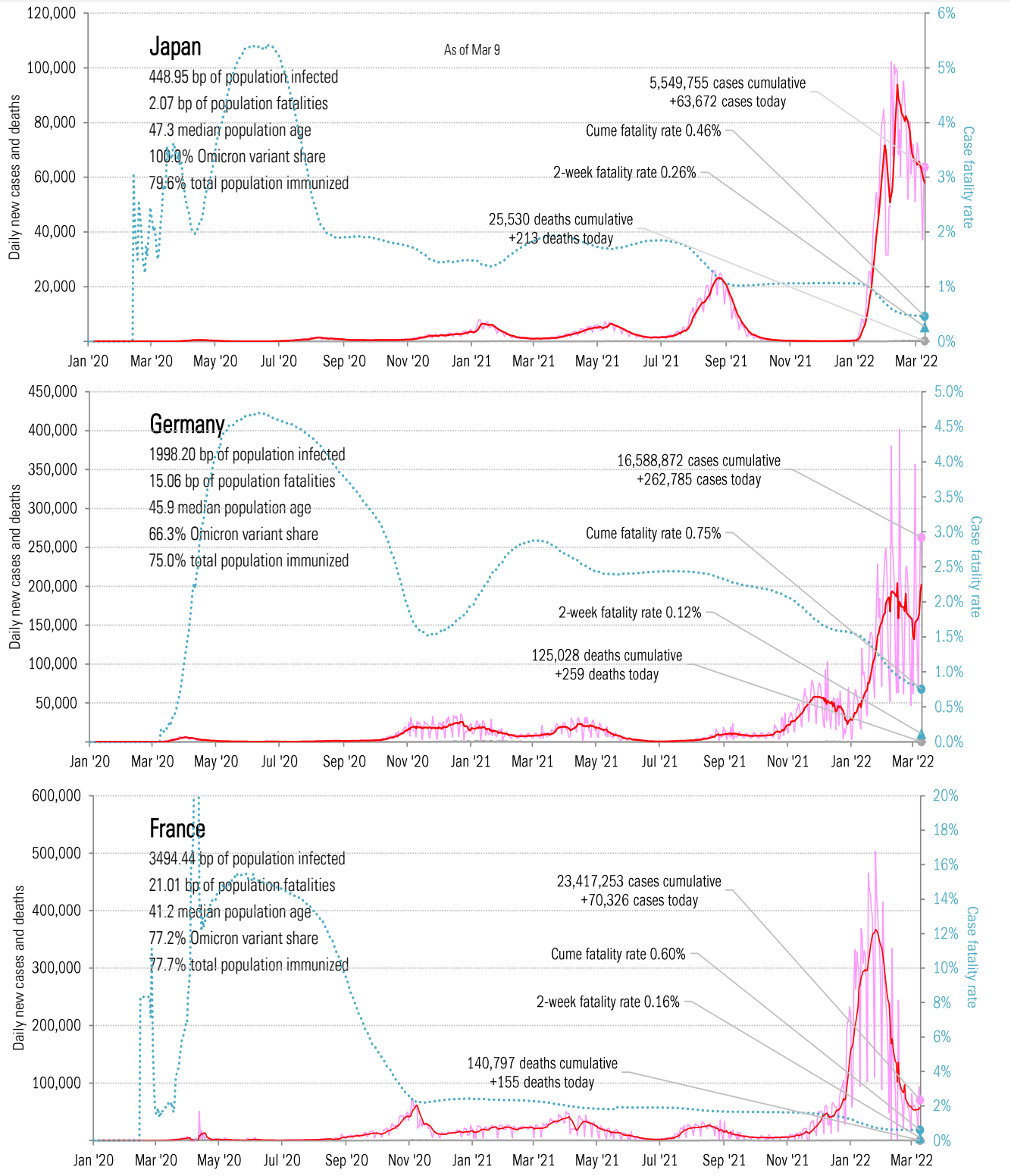




Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

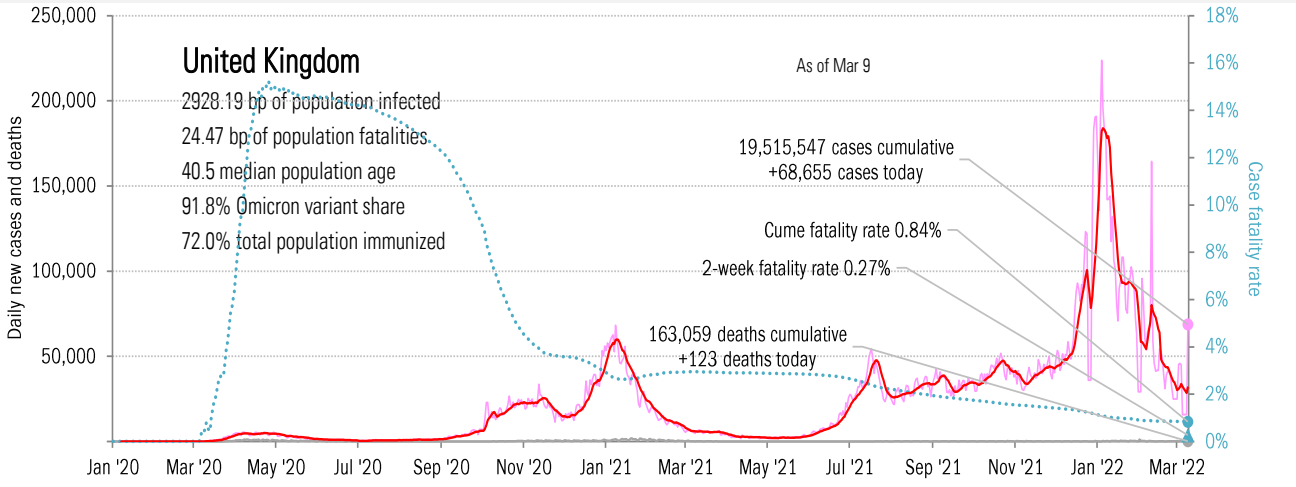
Cases: 7-day average and daily Deaths: Daily

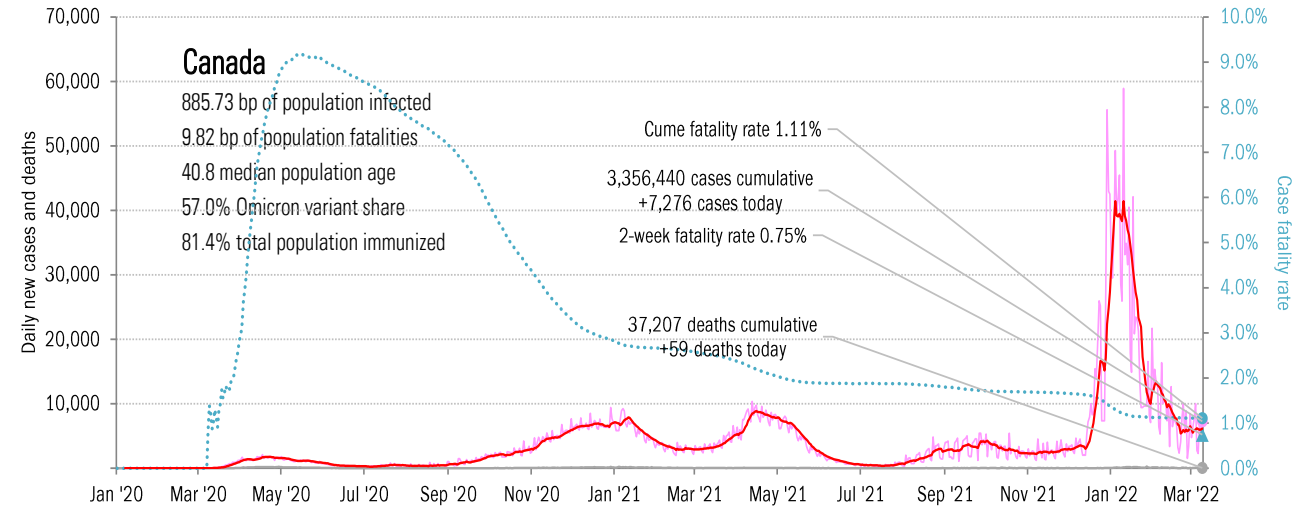


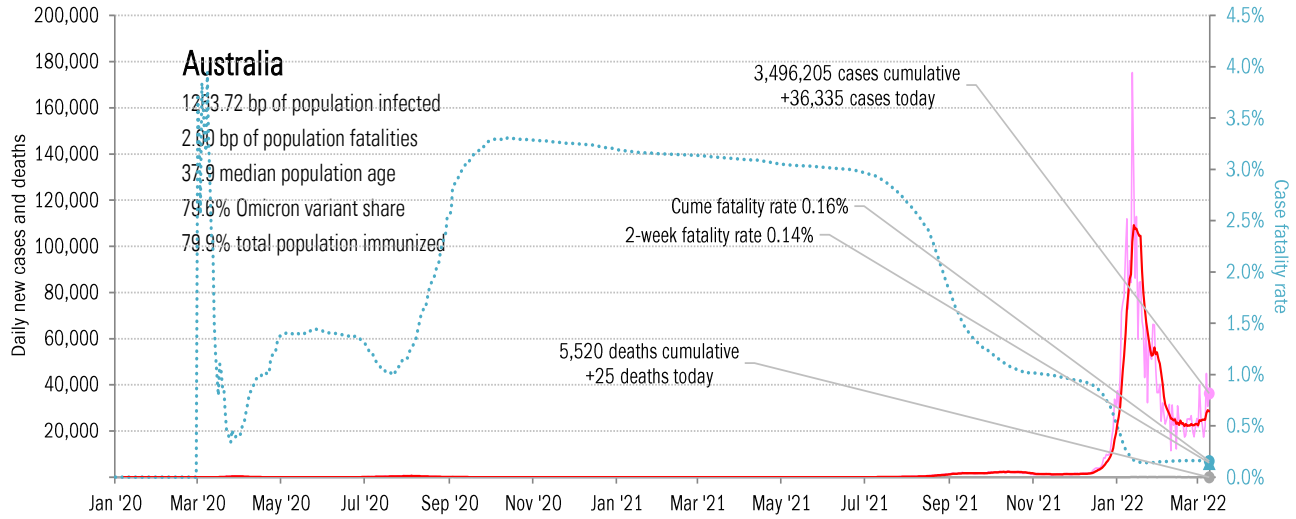
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily



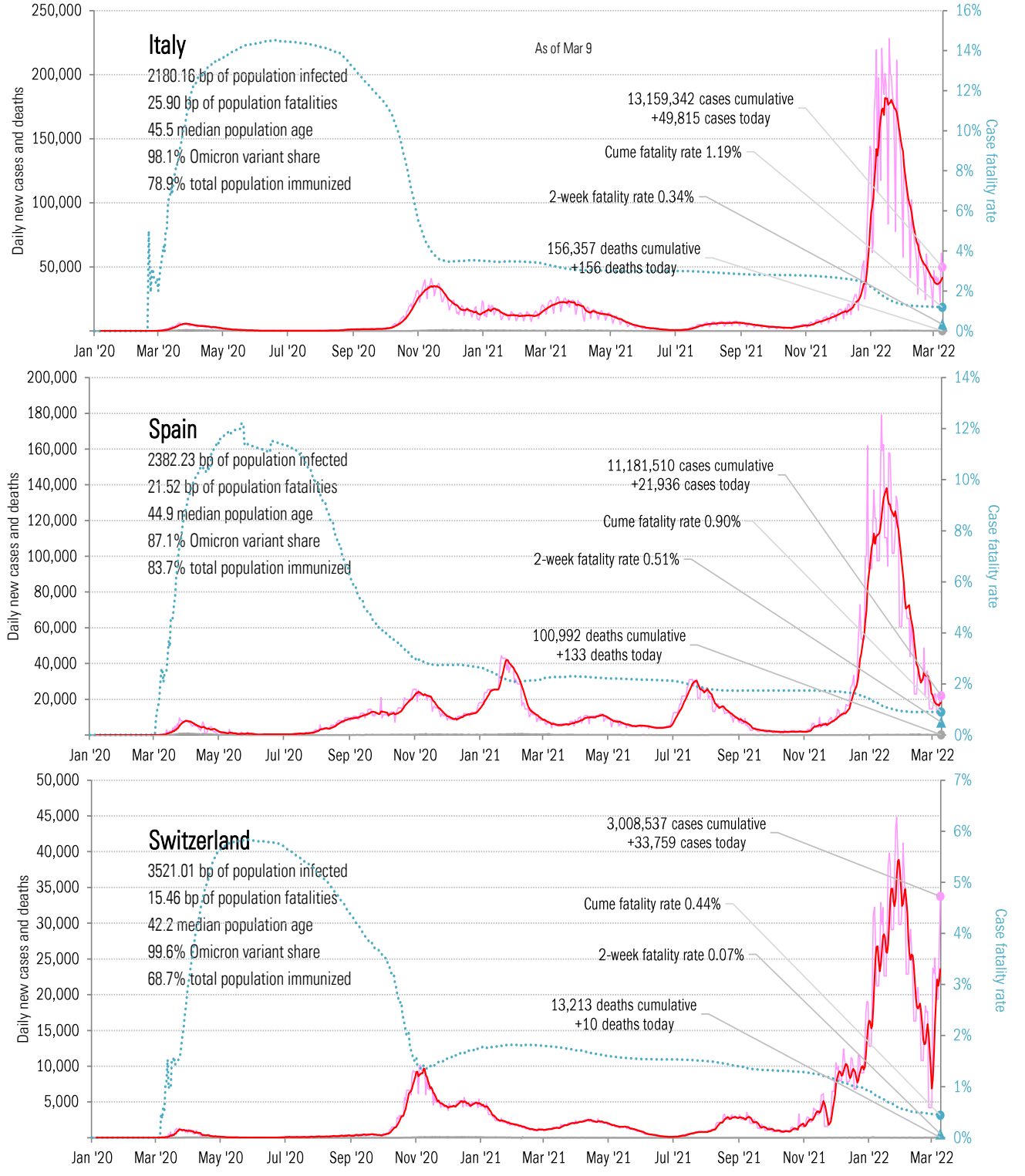




Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

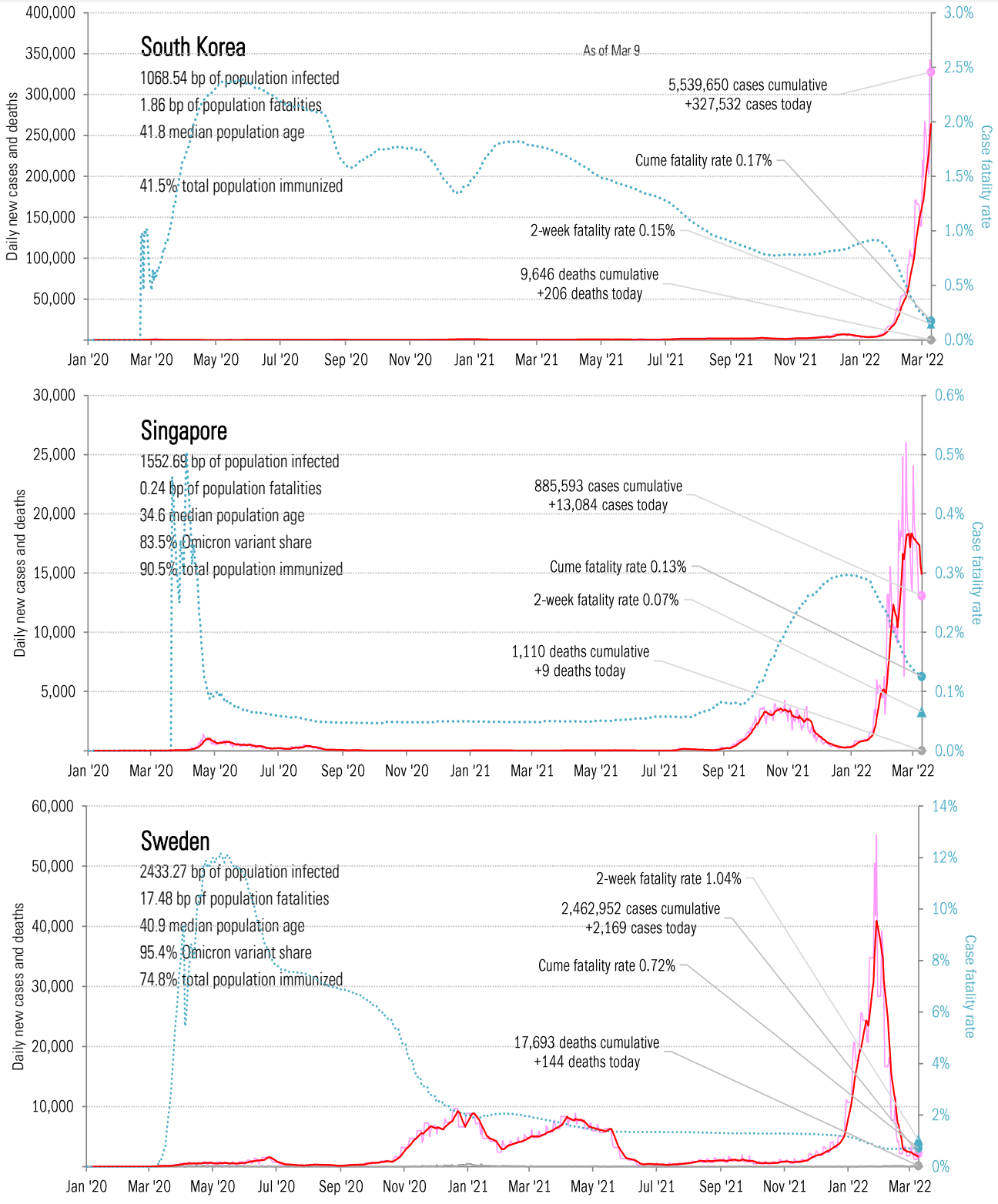
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

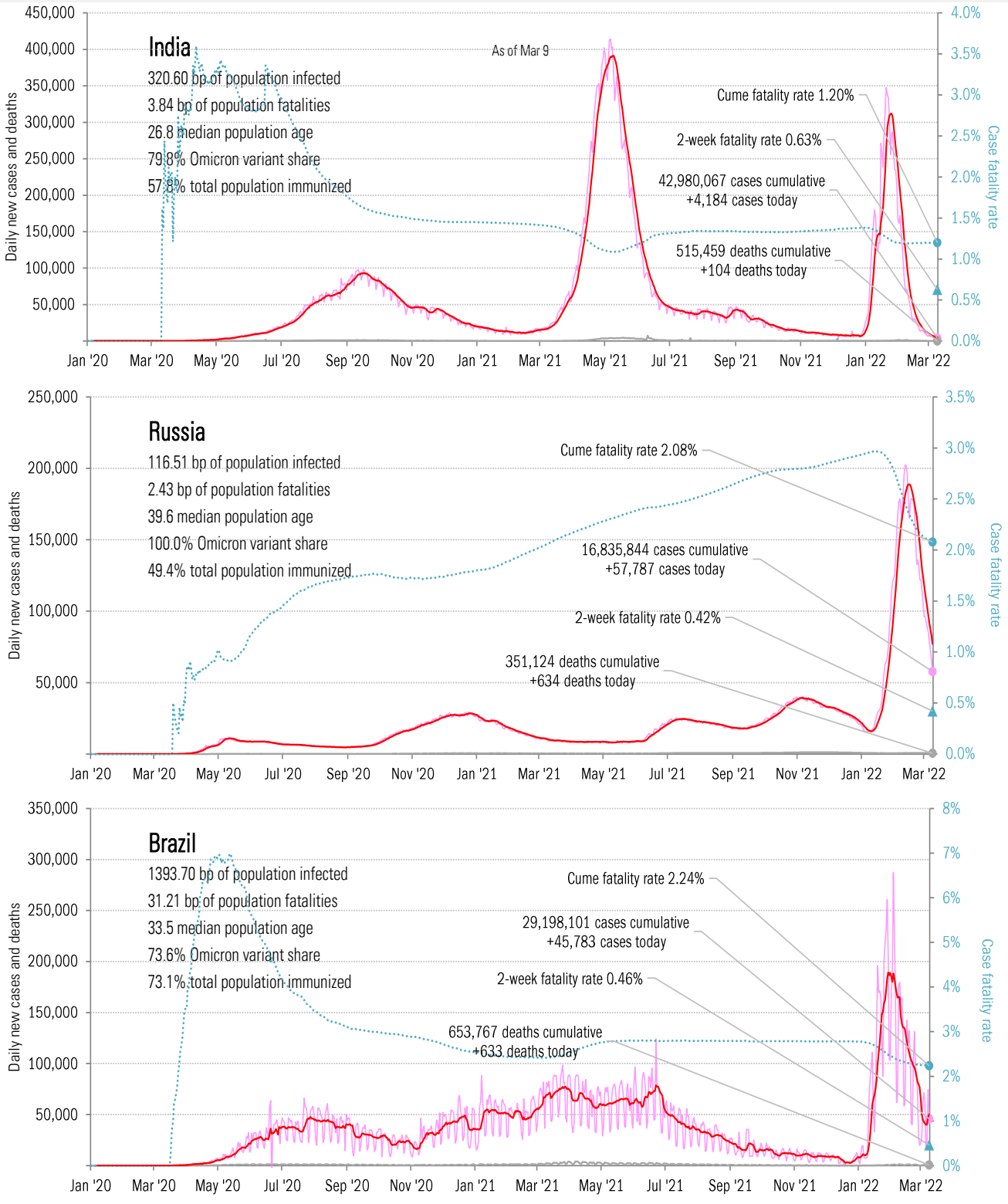
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

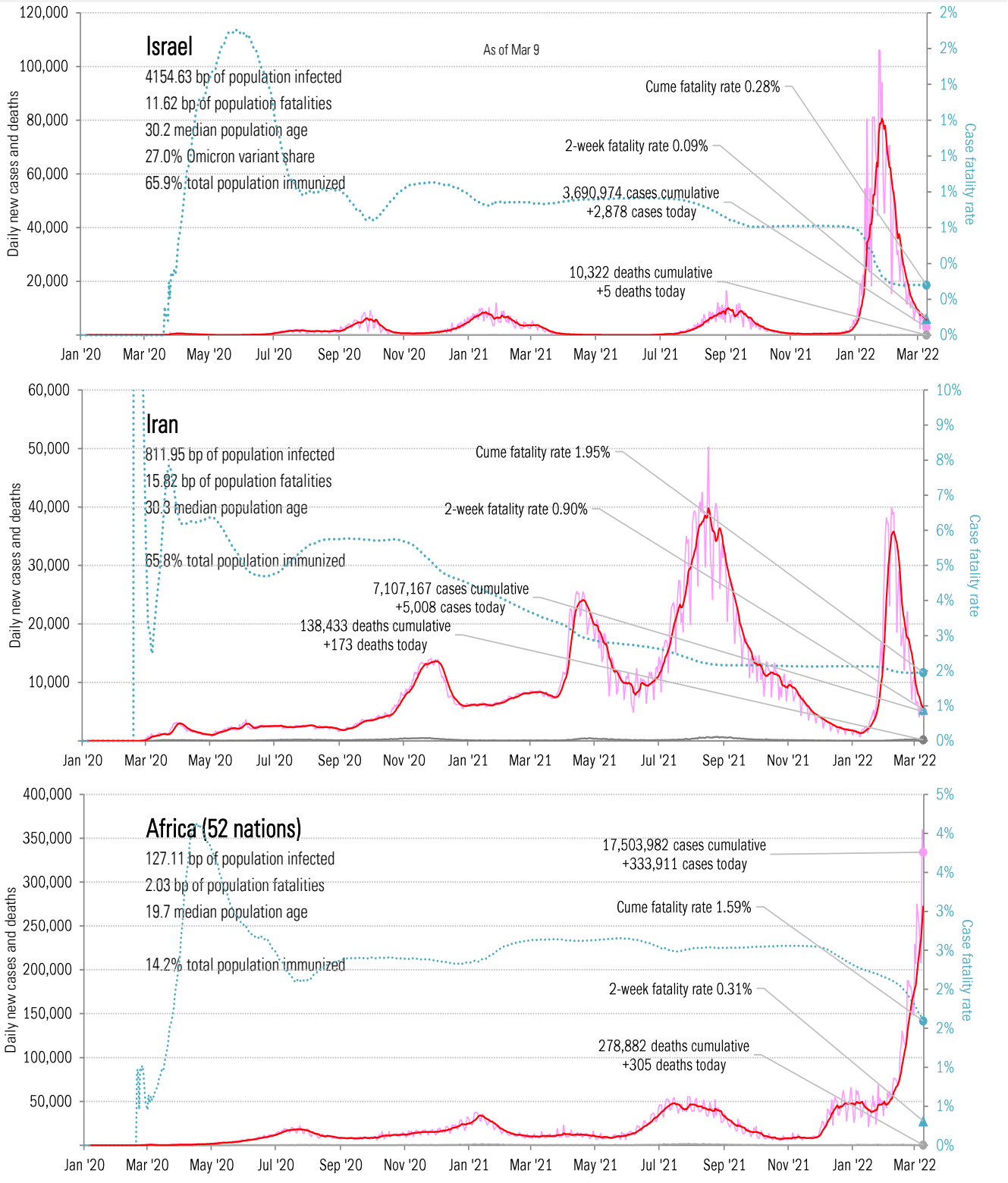
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

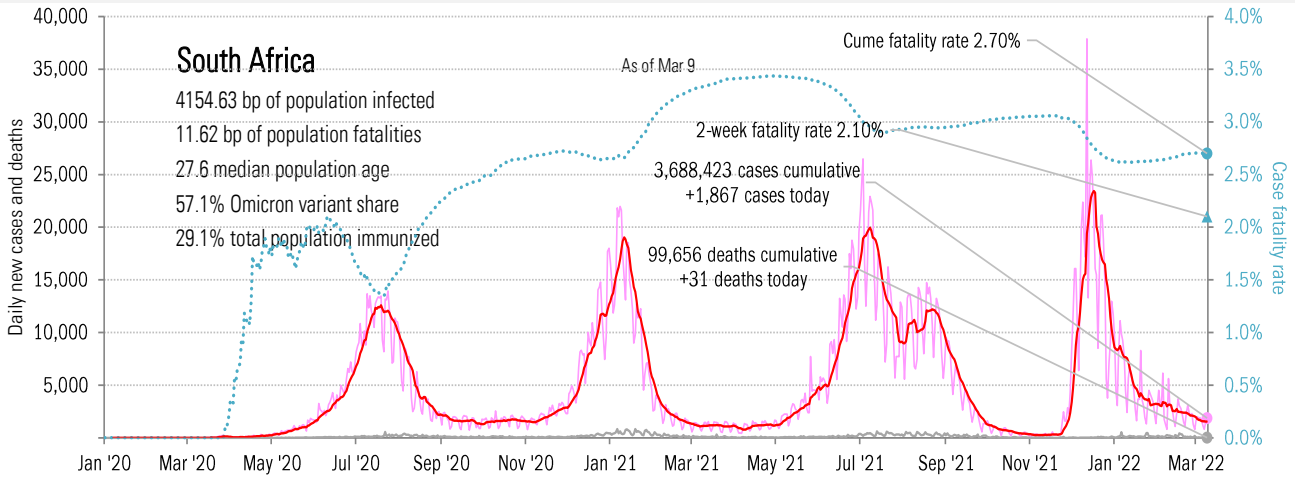
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations