Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

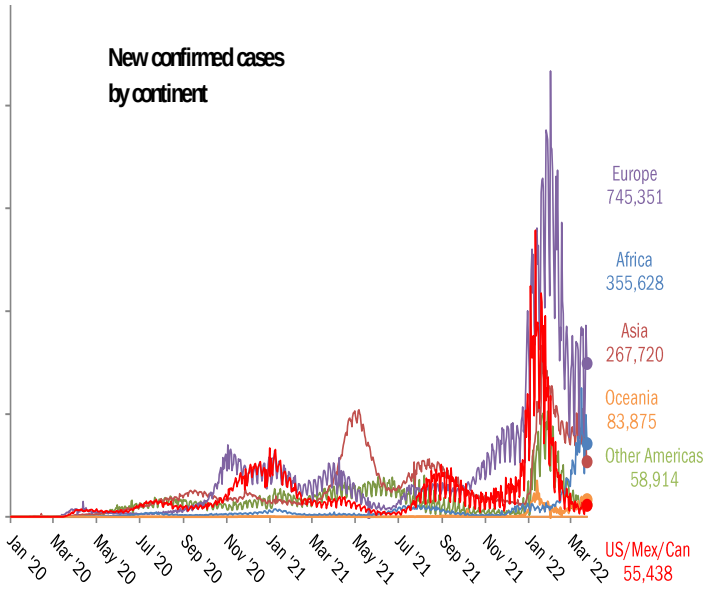
Friday, March 25, 2022

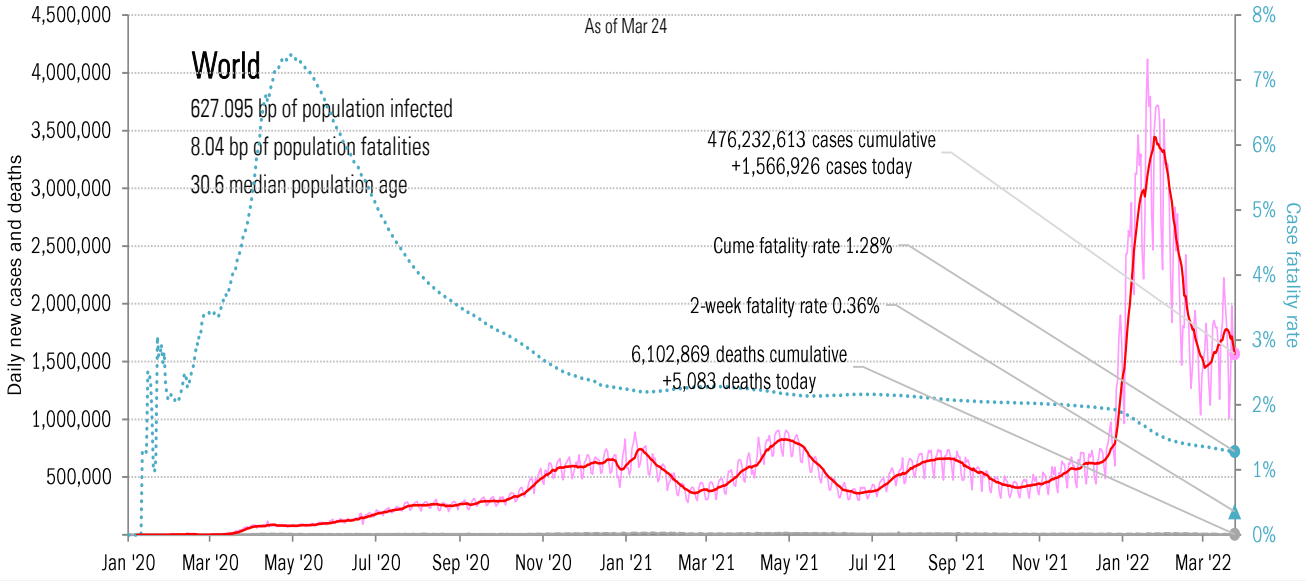
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Korea, South	339,396	United States	1,039
Germany	148,486	Russia	409
France	140,528	Korea, South	392
Vietnam	120,000	Brazil	314
United Kingdom	101,587	Philippines	208
Italy	82,648	Italy	182
Australia	66,782	United Kingdom	162
Japan	49,550	Mexico	158
United States	44,134	Chile	155
Austria	41,607	Poland	146
	1,134,718		3,165
World	1,566,926	World	5,083
Top ten	72%	Top ten	62%





Source: Johns Hopkins, TrendMacro calculations

For more information contact us:
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Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

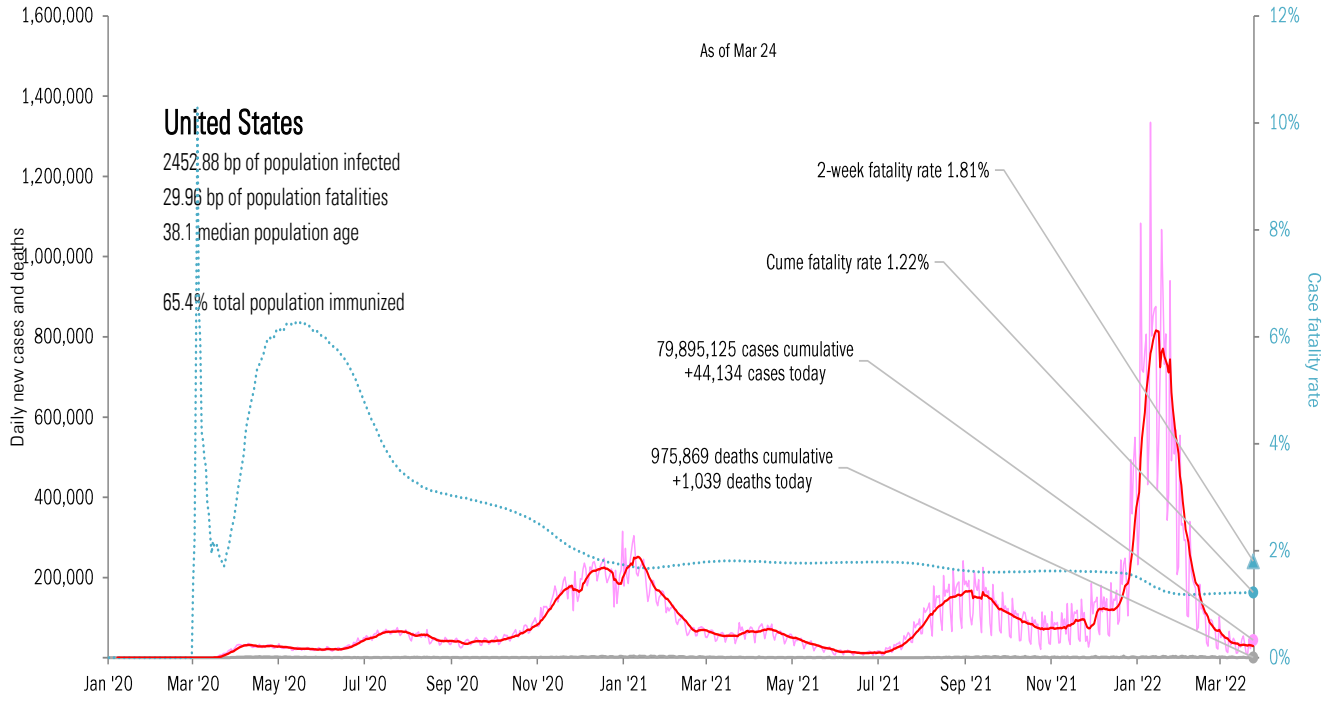
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
NY	6,596	OK	210	CO	29	CA	9,085,264	CA	88,476	TX	485,865	DE	116%	DE	121%
TX	6,249	OH	185	IA	19	TX	6,717,152	TX	87,119	CA	421,297	RI	88%	TX	89%
CA	4,807	CA	125	IL	75	FL	5,874,824	FL	72,952	FL	412,631	MS	87%	AK	86%
AZ	4,566	FL	72	MD	26	NY	4,973,714	NY	67,867	NY	244,029	MA	86%	NM	85%
OH	3,668	TX	57	NV	24	IL	3,059,915	PA	44,152	GA	206,190	MN	84%	RI	84%
OK	1,814	GA	48	OK	28	PA	2,777,260	OH	37,793	OH	189,741	WV	83%	KY	83%
IL	1,723	WI	43	AS	4	OH	2,669,698	GA	36,706	PA	175,109	MD	83%	AL	83%
NJ	1,551	PA	37	MA	37	NC	2,623,081	IL	35,726	IL	156,000	PA	83%	OK	80%
NC	1,288	UT	36	NH	9	GA	2,485,113	MI	35,533	MI	140,217	MO	82%	WA	80%
MA	1,233	NC	29	WA	36	MI	2,382,197	NJ	33,195	KY	132,332	NH	82%	MS	80%
	33,495		842		287		42,648,218		539,519		2,563,411				
All states	44,134		1,039		1,752	All states	79,895,125		975,869		4,654,980	All states	70%		67%
Top ten	76%		81%		16%	Top ten	53%		55%		55%	Median	76%		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	AZ	-336	NY	-39	AZ	+20 bp
TX	-6,230	TN	-195	MN	-30	AK	+10 bp
MI	-2,042	MO	-183	KS	-22	CO	+10 bp
MO	-1,959	MI	-108	PA	-20	CT	+10 bp
WA	-1,934	NV	-82	OH	-17	IA	+10 bp



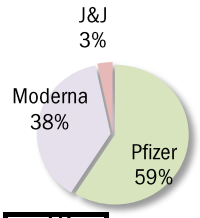
Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative				Today
Doses	574,270,904				+0.164 million
Boosters	98,265,687				+0.063 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	262,756,521	79%	223,503,600	67%	+0.042 million
Age 12 to 17	17,501,394	69%	14,930,507	59%	+0.004 million
Age 18 to 64	177,036,585	87%	150,172,456	74%	+0.025 million
Age 65 and over	58,262,857	100%	50,466,060	92%	+0.004 million

Immunity	Full	Partial
US	65.4%	76.8%
UK	72.3%	77.4%
France	77.7%	80.1%
Spain	85.5%	88.0%
Germany	75.2%	75.9%
Italy	79.1%	84.0%
Australia	81.5%	86.0%
Israel	65.9%	72.1%
Canada	81.7%	85.8%
Japan	79.8%	81.1%
Africa	14.9%	20.1%
India	59.1%	70.1%
Brazil	74.5%	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

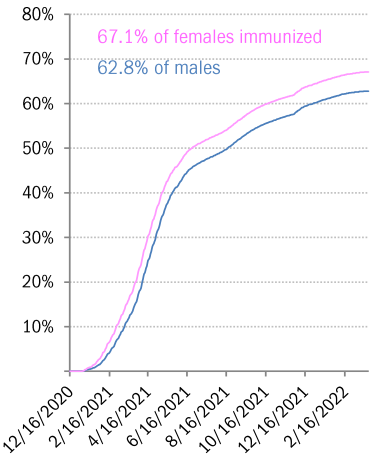
"Immunity" = two doses

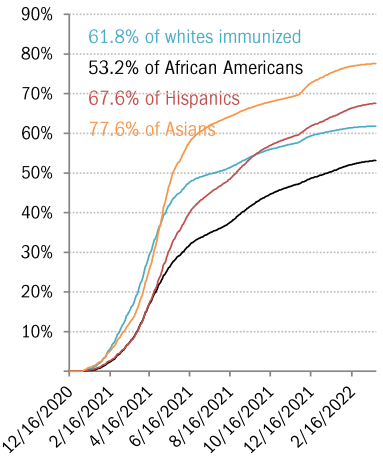
Best
Middle
Worst

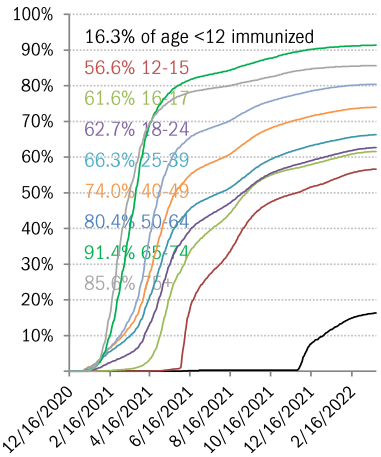
As of Mar 24

					WI					ME
					71.4%					89.4%
					65.0%					78.7%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.2%	60.6%	64.8%	64.6%	74.6%	76.4%	66.5%		89.5%	92.7%	87.9%
72.0%	53.5%	56.3%	54.6%	68.7%	68.1%	59.7%		76.1%	80.5%	68.1%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.3%	74.5%	58.3%	75.4%	67.5%	61.0%	63.2%	83.9%	89.6%	95.0%	
69.1%	60.2%	51.0%	60.4%	61.5%	54.4%	58.0%	67.5%	74.8%	78.1%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.4%	71.6%	78.8%	69.7%	65.7%	65.7%	64.5%	84.9%	85.5%	94.5%	95.0%
71.0%	63.7%	69.7%	62.9%	55.5%	56.9%	57.1%	72.5%	74.6%	78.3%	81.4%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	72.2%	86.6%	73.9%	66.1%	61.7%	82.9%	67.0%	95.0%	82.3%	
	60.8%	70.2%	60.7%	53.9%	53.9%	59.8%	56.4%	72.6%	68.2%	
			OK	LA	MS	AL	GA			
			70.4%	60.6%	59.2%	62.2%	64.8%			
			56.5%	53.1%	51.4%	50.6%	54.1%			
HI			TX					FL		PR
86.9%			71.9%					78.5%		95.0%
77.7%			60.7%					66.4%		82.0%

The demographics of US vaccination



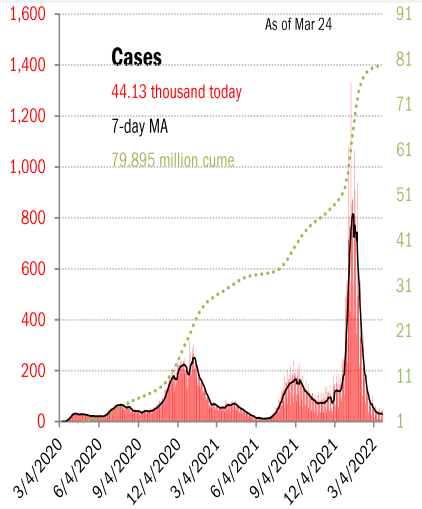


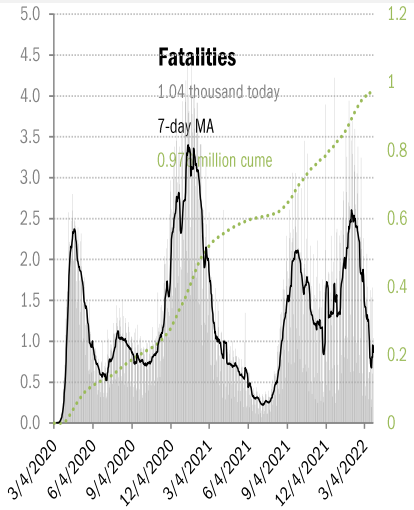


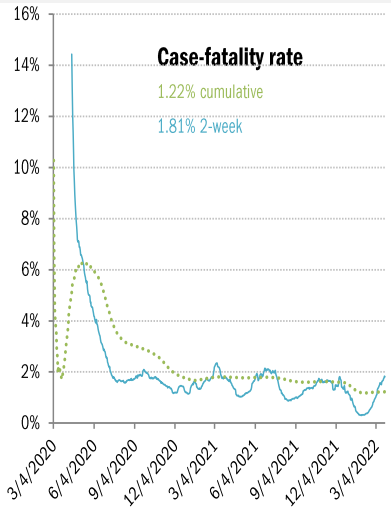
Source: CDC, CDC, Our World in Data, TrendMacro calculations

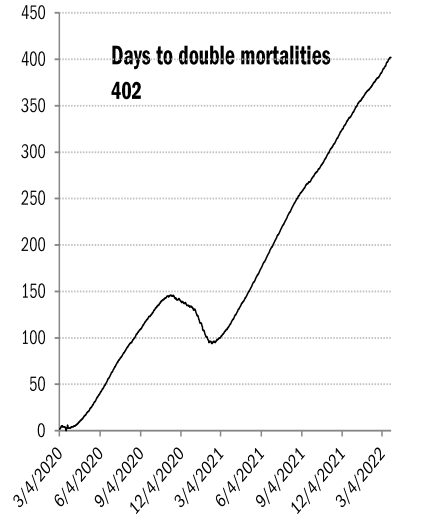
US deep-dive

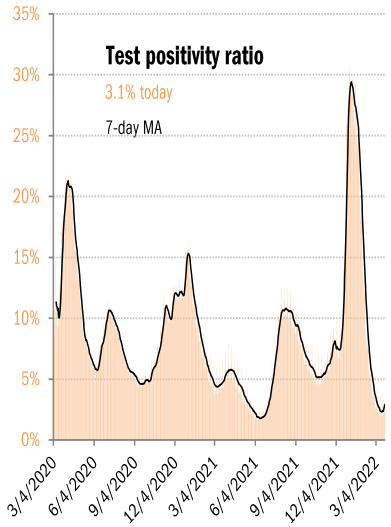
National and state-by-state data do not line up because of different sources

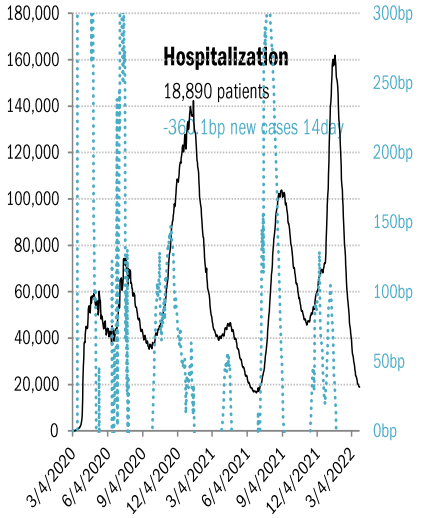


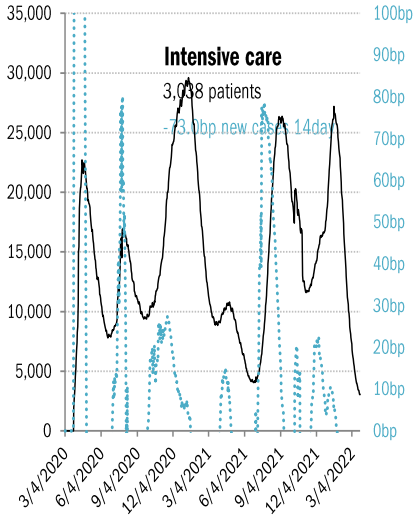


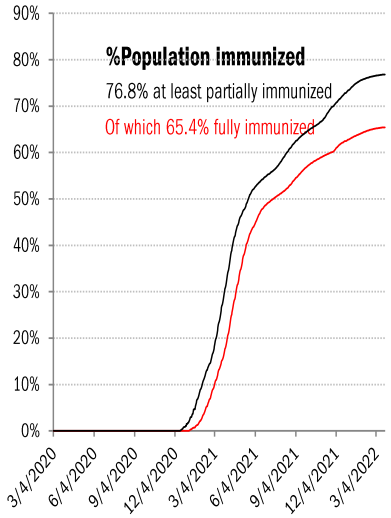












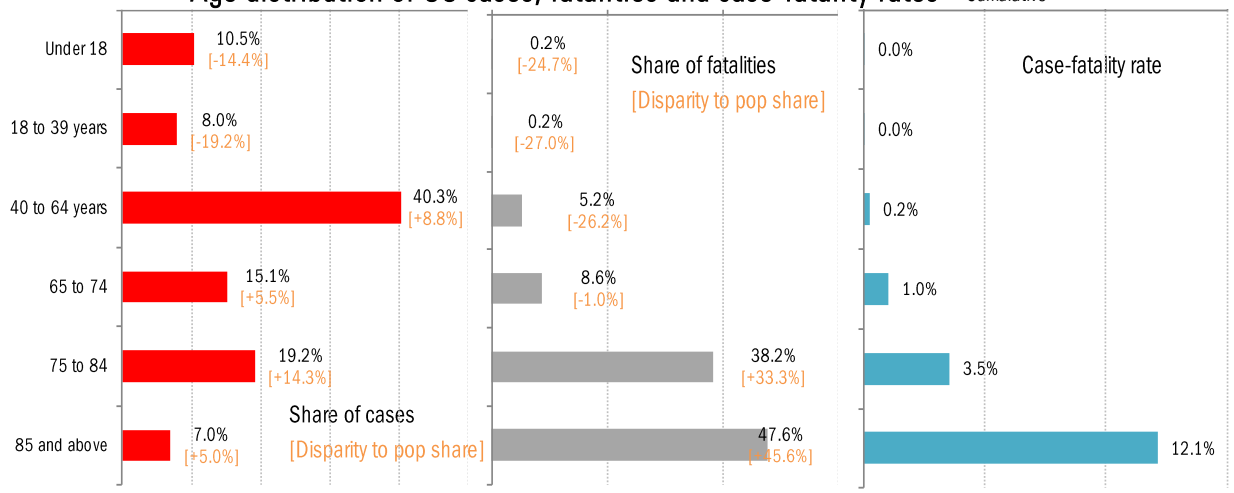
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

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

Updates weekly on Sundays

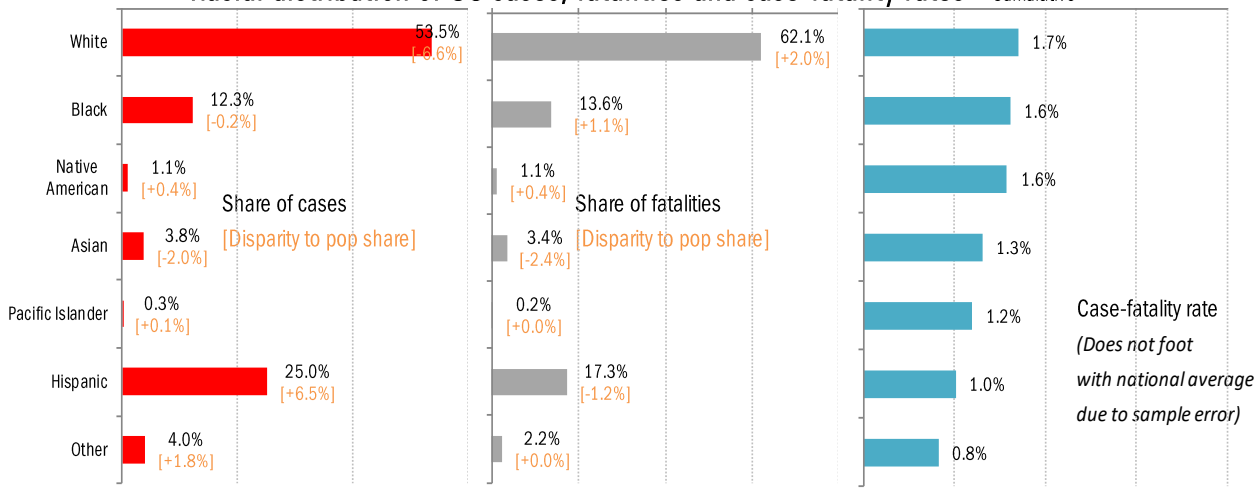
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



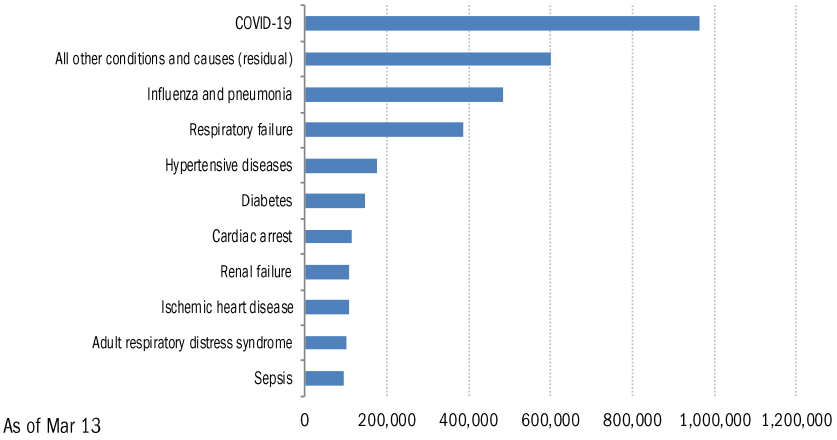
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



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.

Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended reading

European wave of Omicron sub-variant BA.2 foreshadows US surge
Oliver Barnes, John Burn-Murdoch, Leila Abboud and Jamie Smyth
Financial Times
March 25, 2022

China factories set up 'bubbles' to ride out Covid lockdowns
Primrose Riordan and Gloria Li
Financial Times
March 24, 2022

China may be facing its greatest Covid crisis yet
Matt Ridley
The Spectator
March 26, 2022

Meme of the day

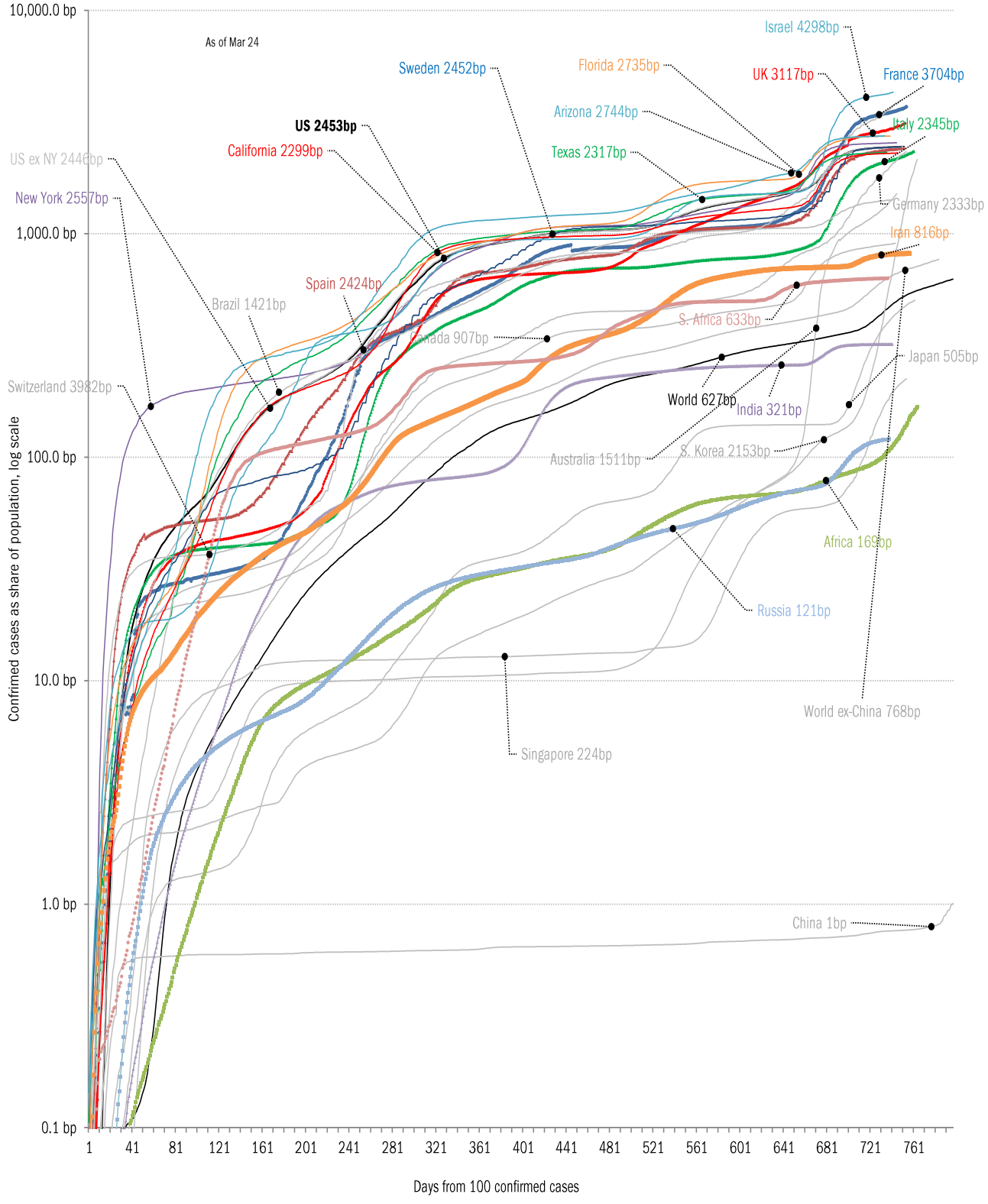
Leftist Who Keeps Getting COVID Tests Says He Can Quit Anytime

ARLINGTON, VA—A local family held an impromptu intervention for their son, Eric Chag, 35, who has been taking up to 24 COVID tests a day... Read more

Source: Our beloved clients, Power Line blog "The Week in Pictures" and CTUP

The coronavirus case accelerometer… tracking the world's infection curves

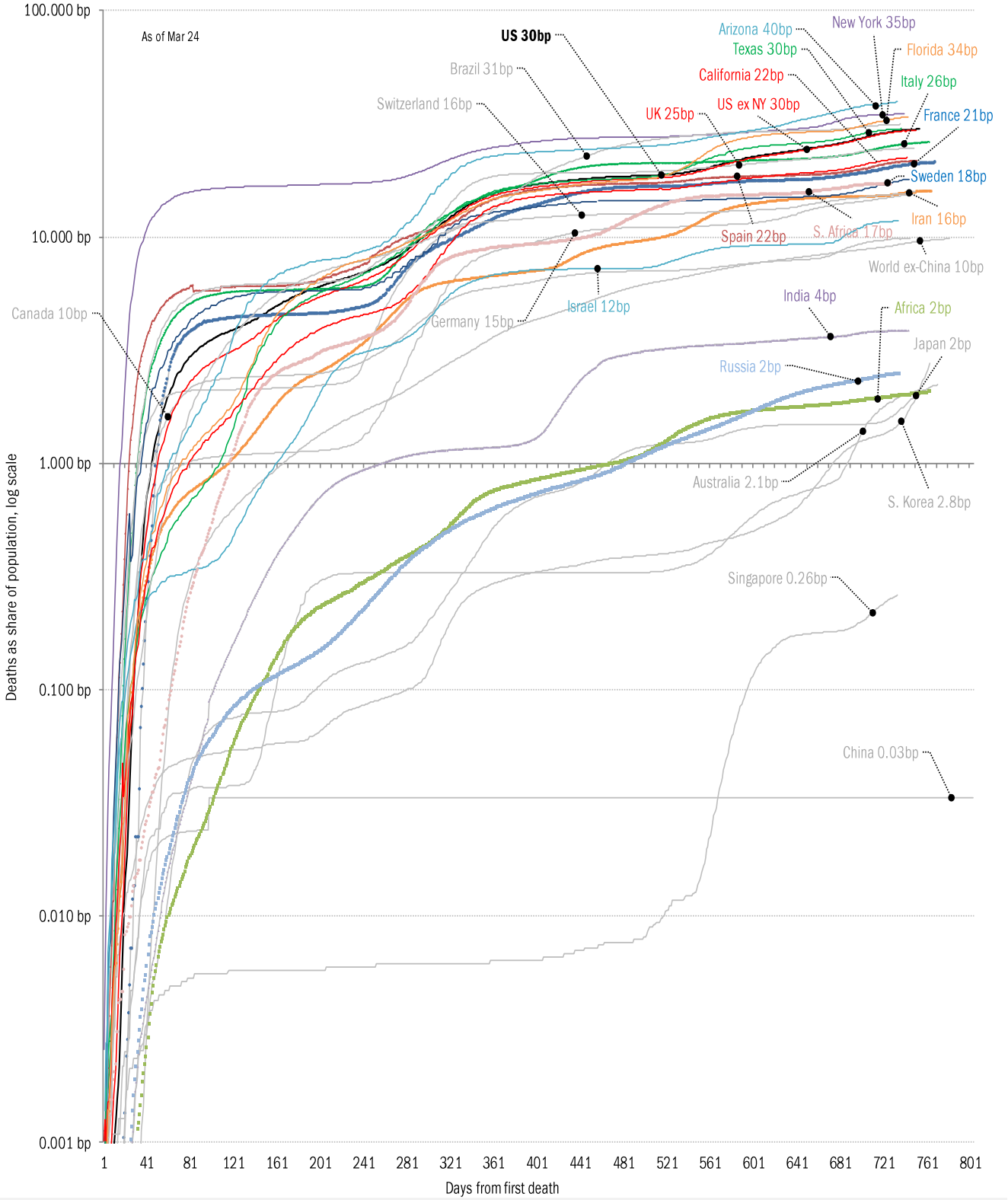
Share of infected population from first day with 100 confirmed cases, log scale



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

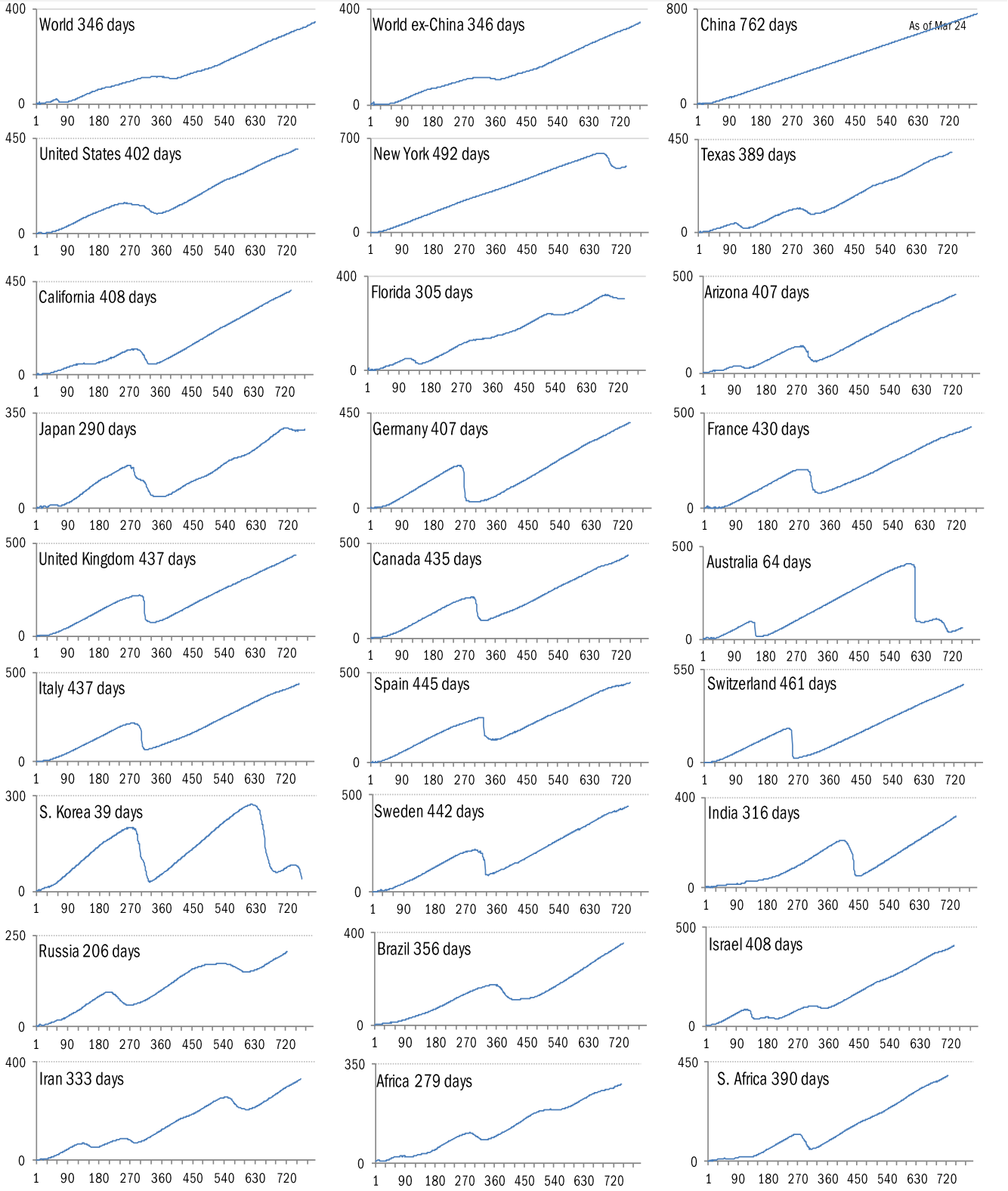


Source: Johns Hopkins, TrendMacro calculations

"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

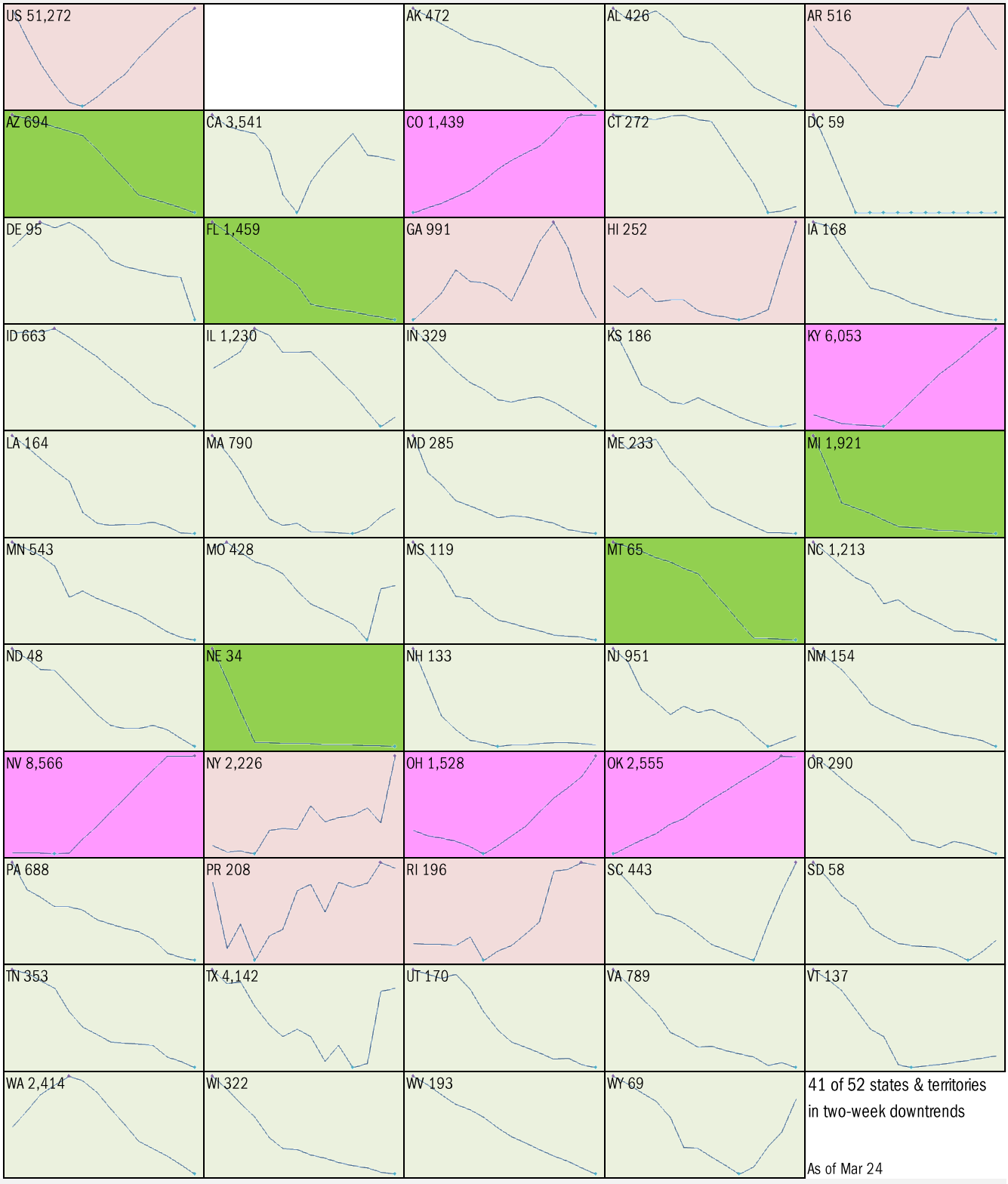


Source: Johns Hopkins, TrendMacro calculations

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

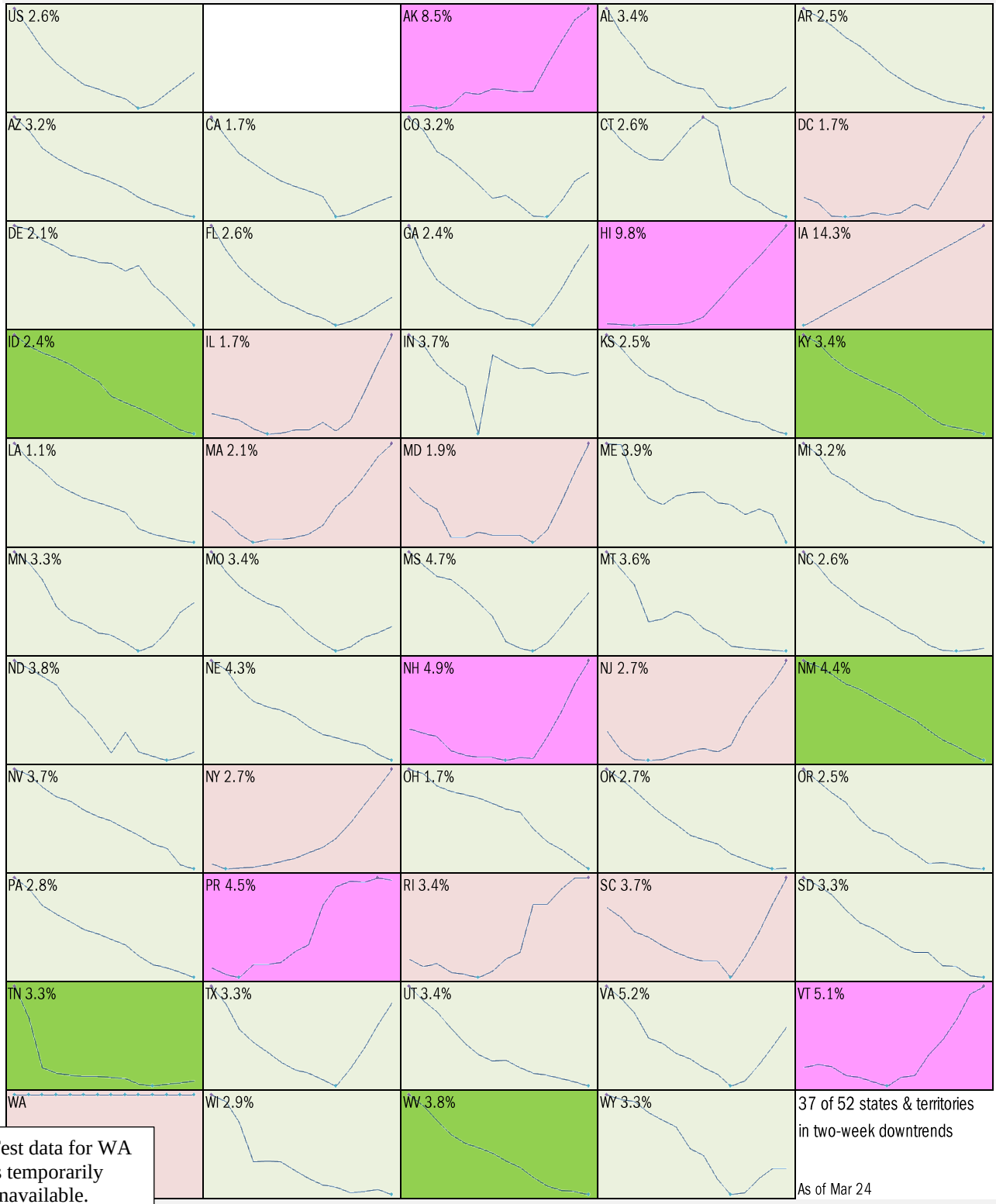


Source: Johns Hopkins, TrendMacro calculations

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

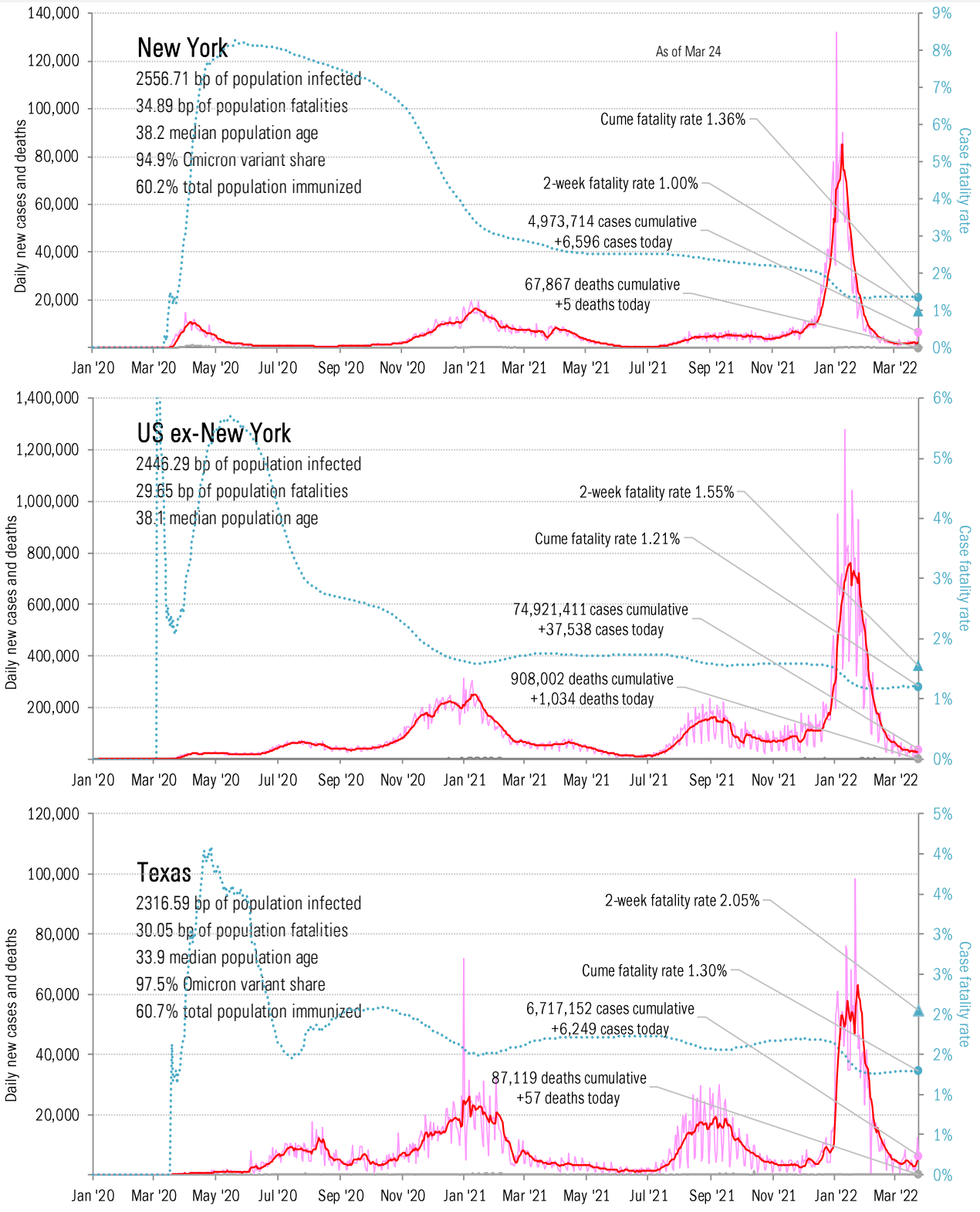


Test data for WA is temporarily unavailable.

Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

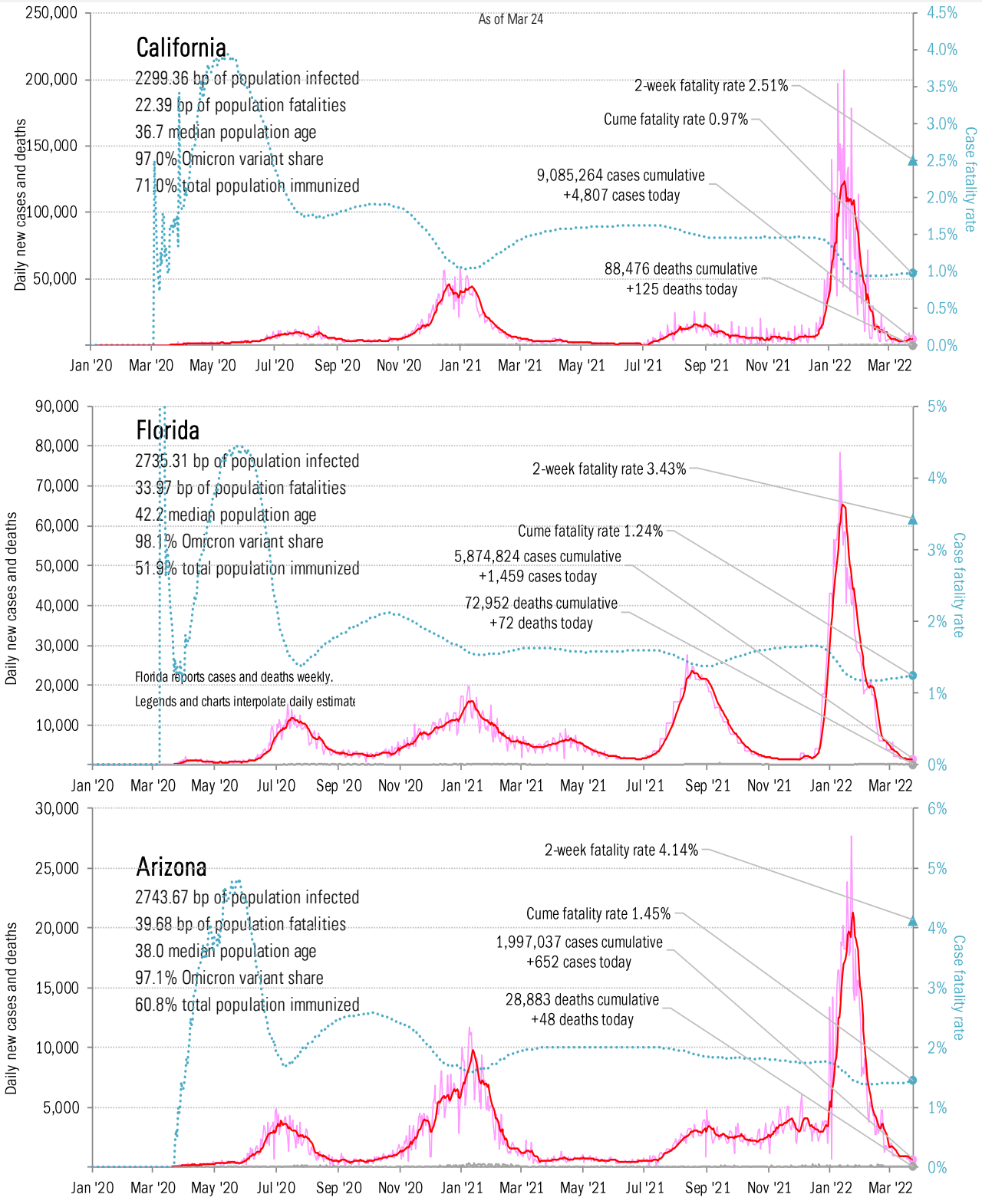
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

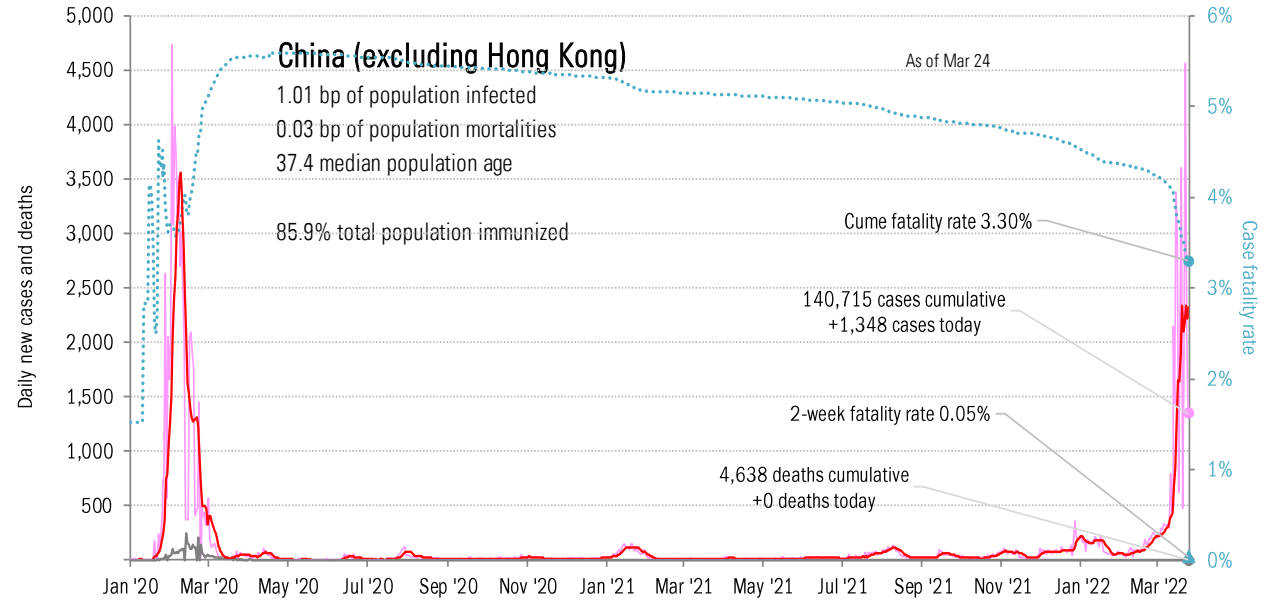
Cases: 7-day average and daily Deaths: Daily

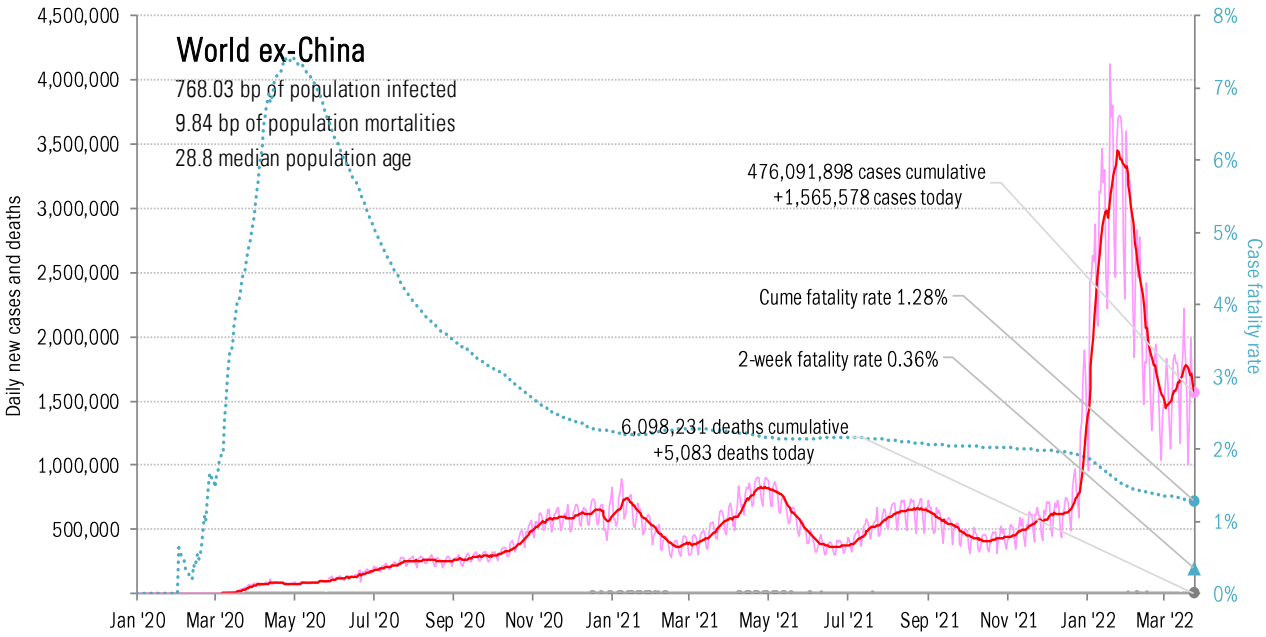


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

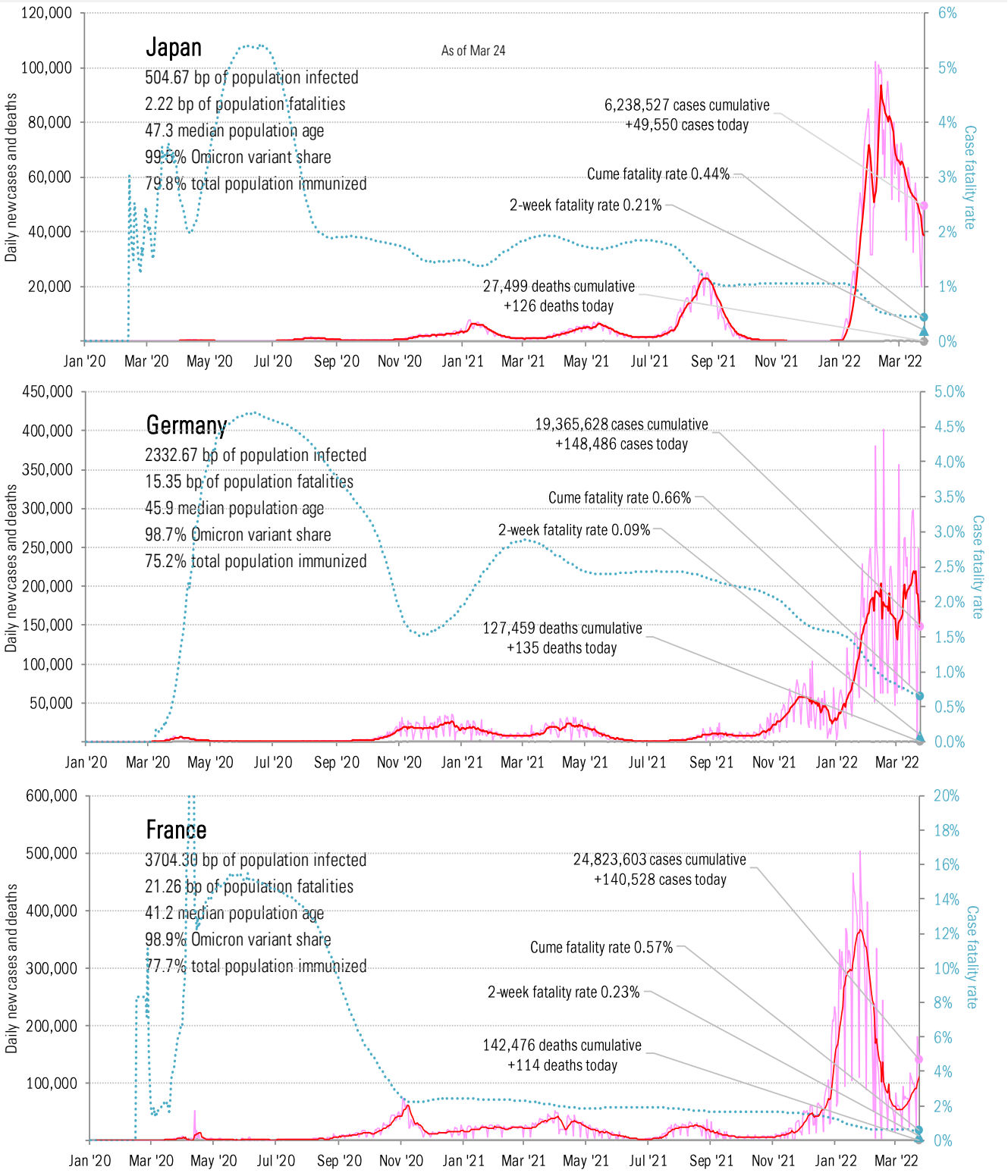




Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

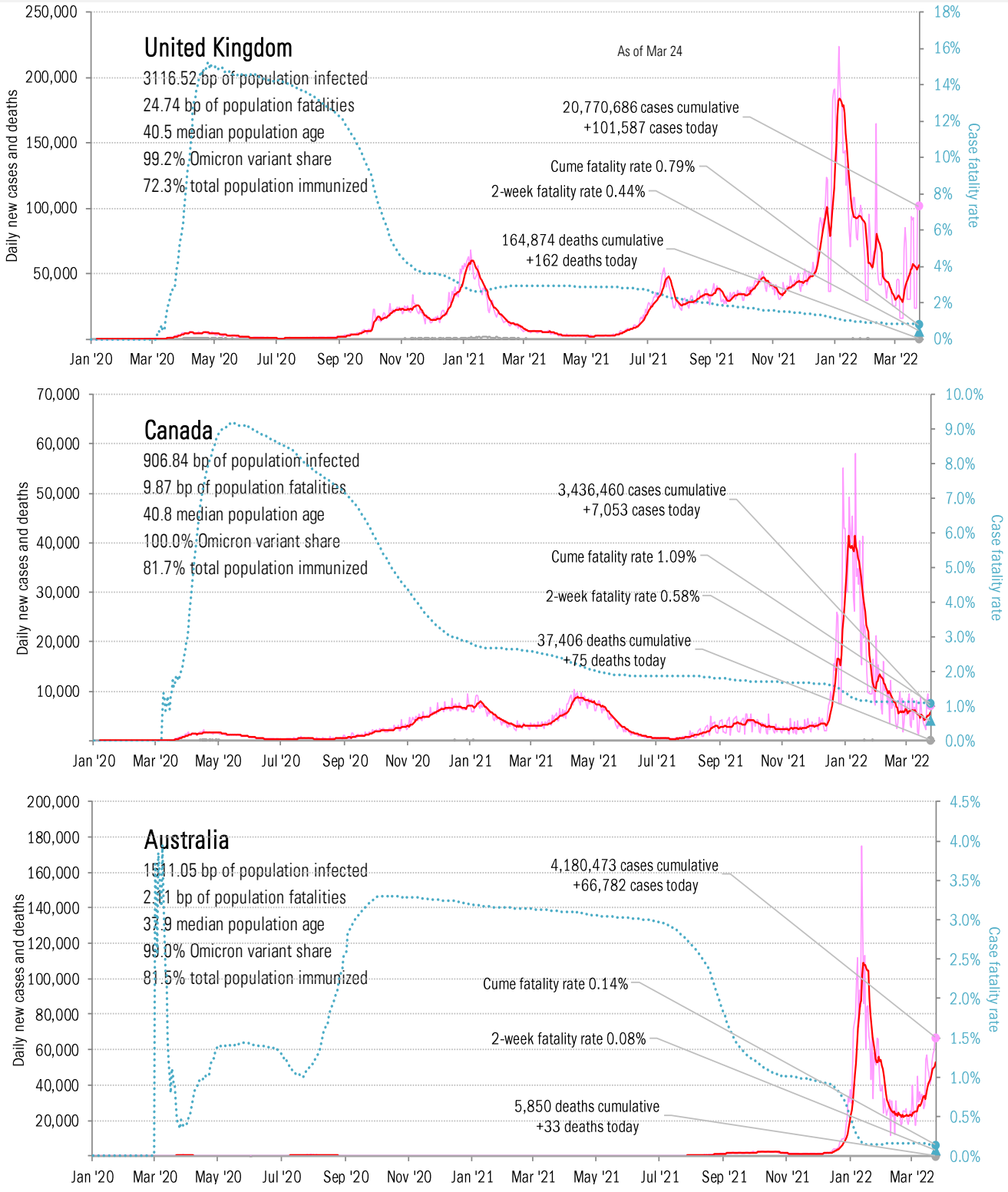
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

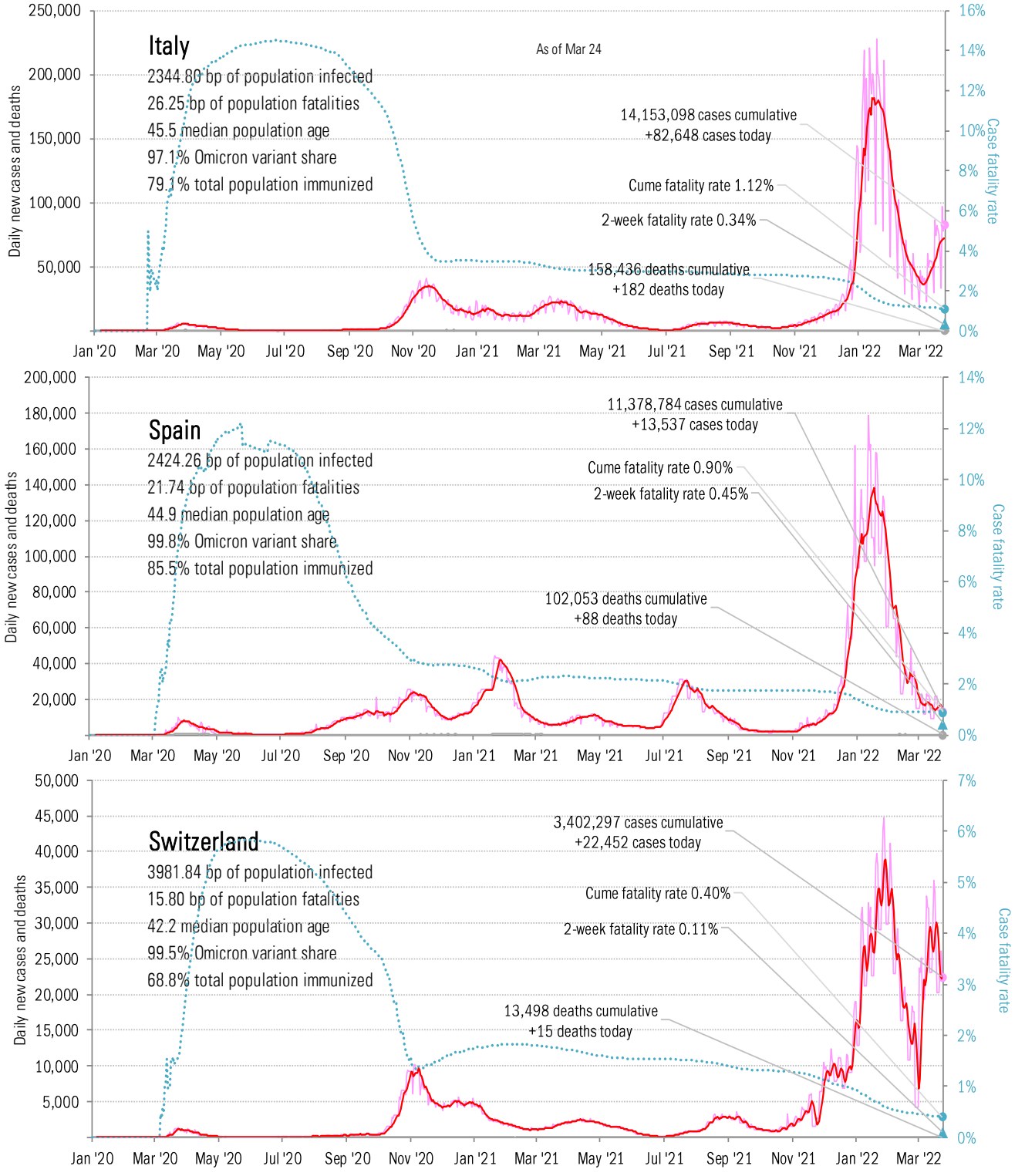
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

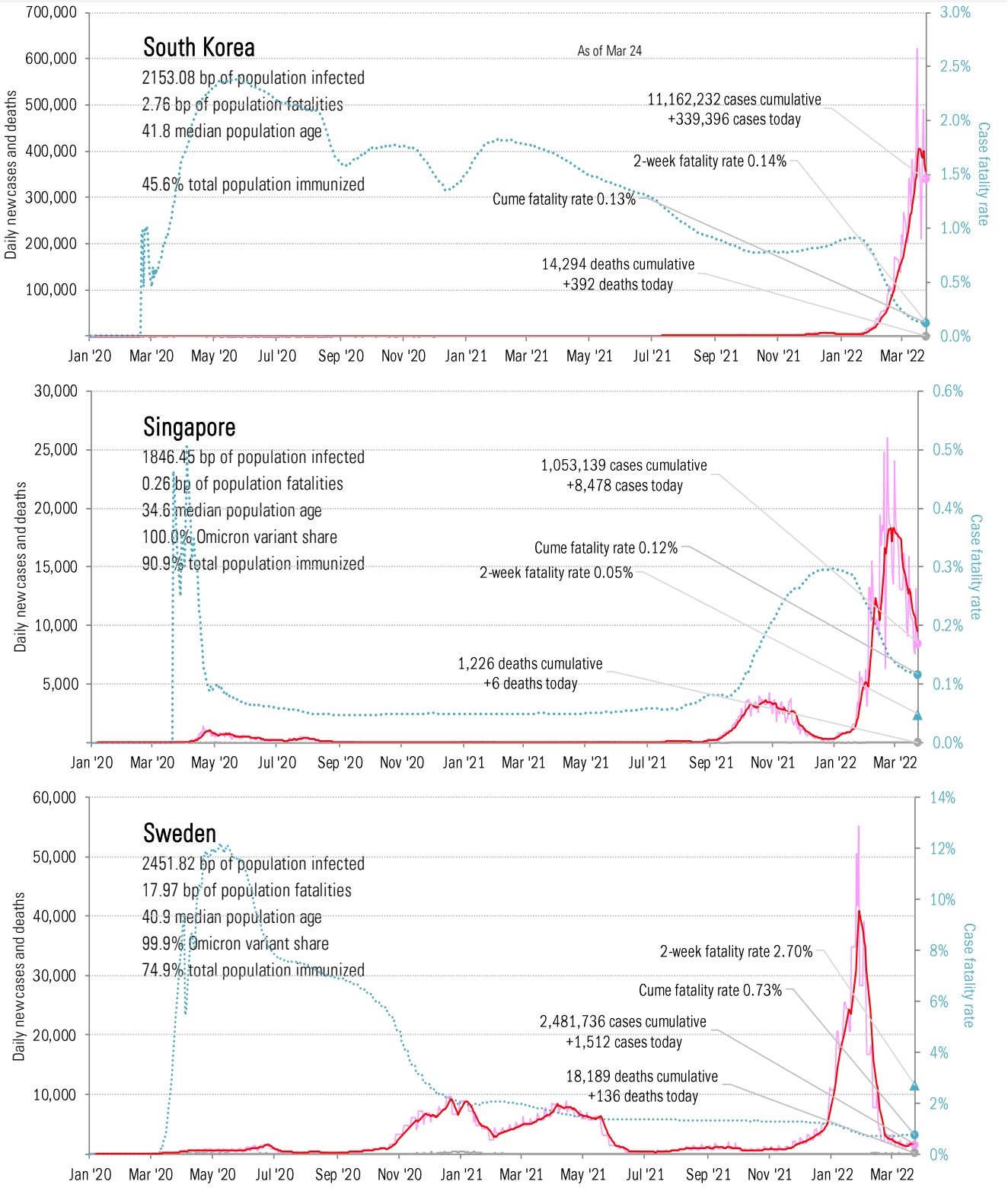
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

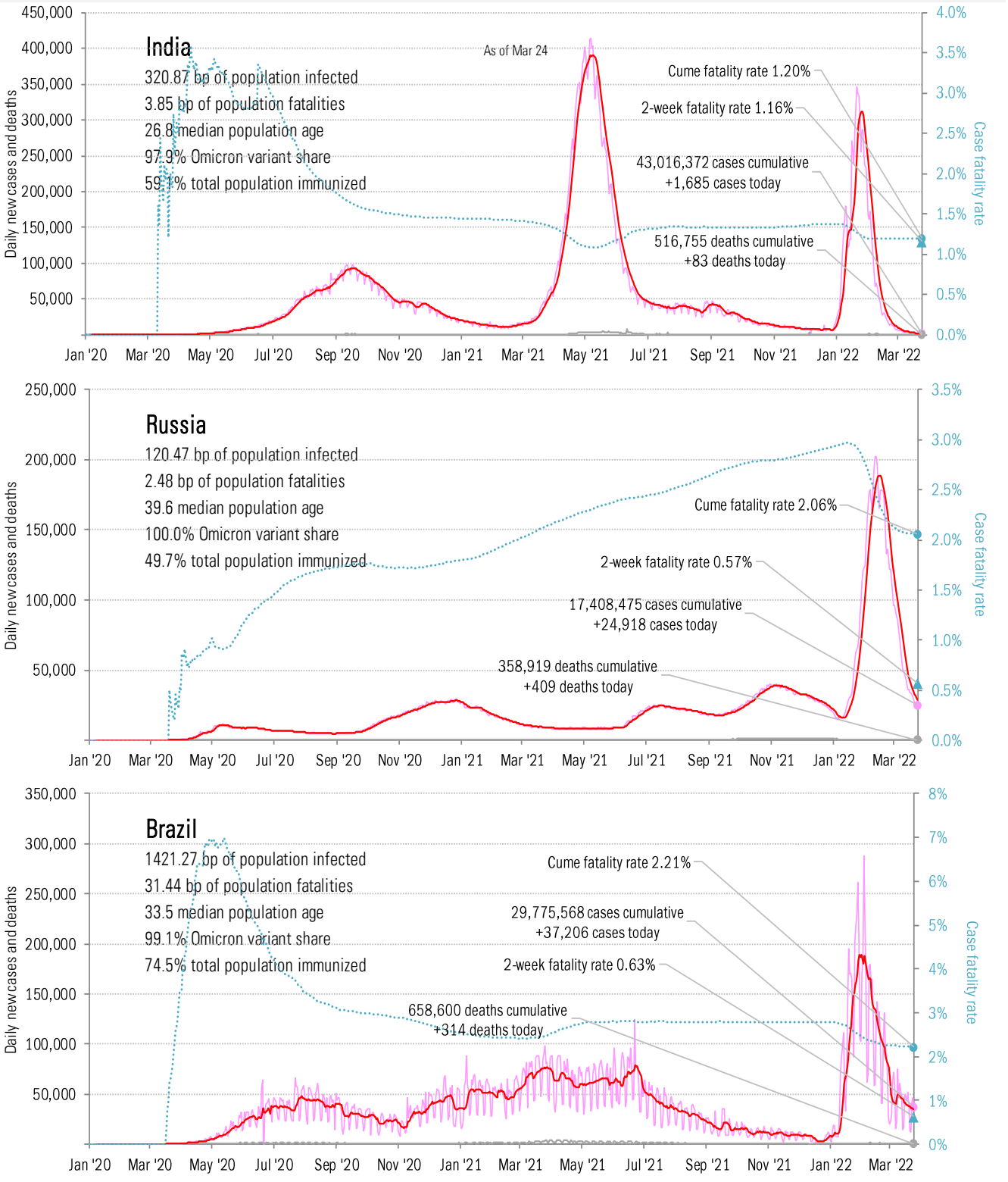
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

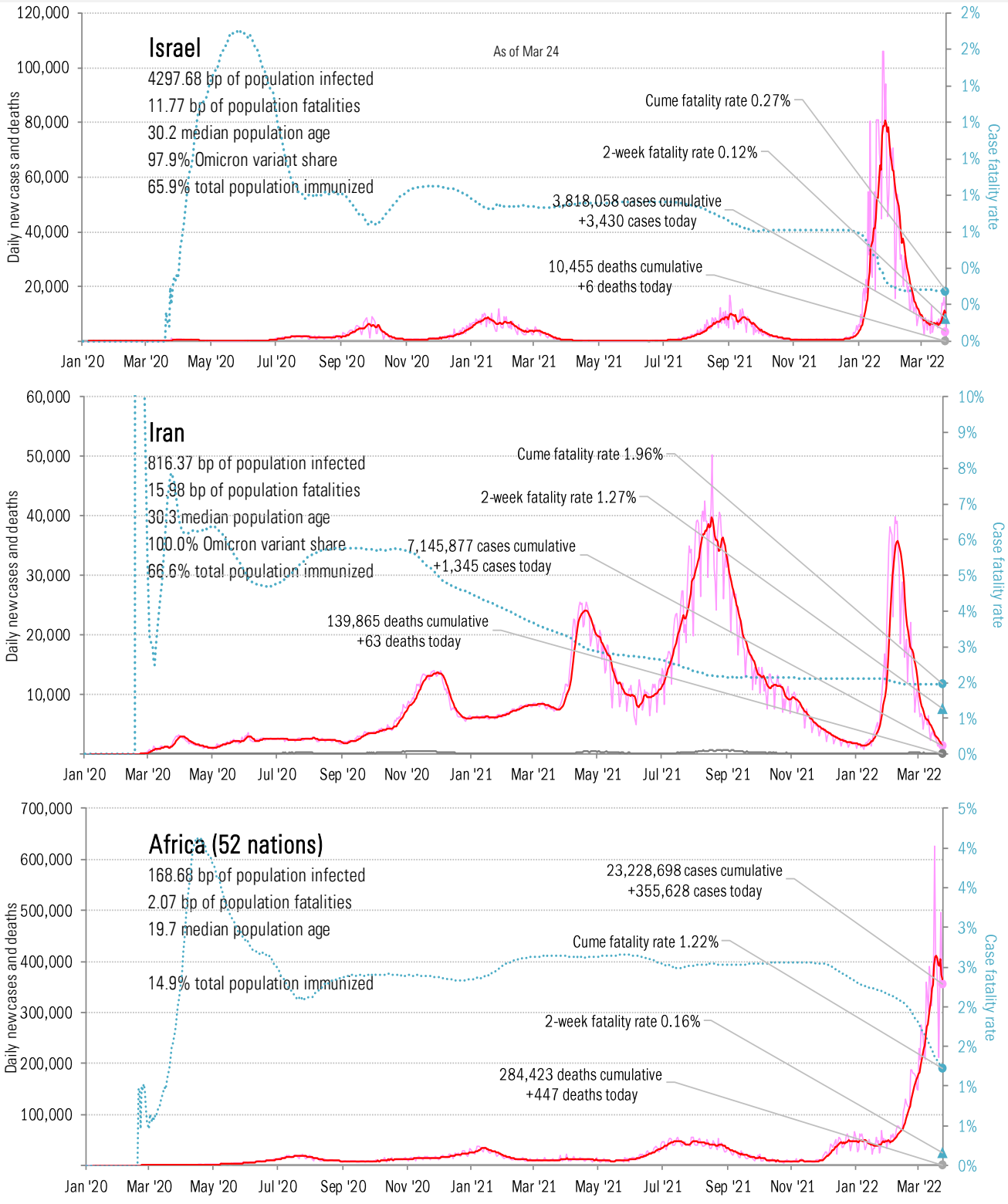
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

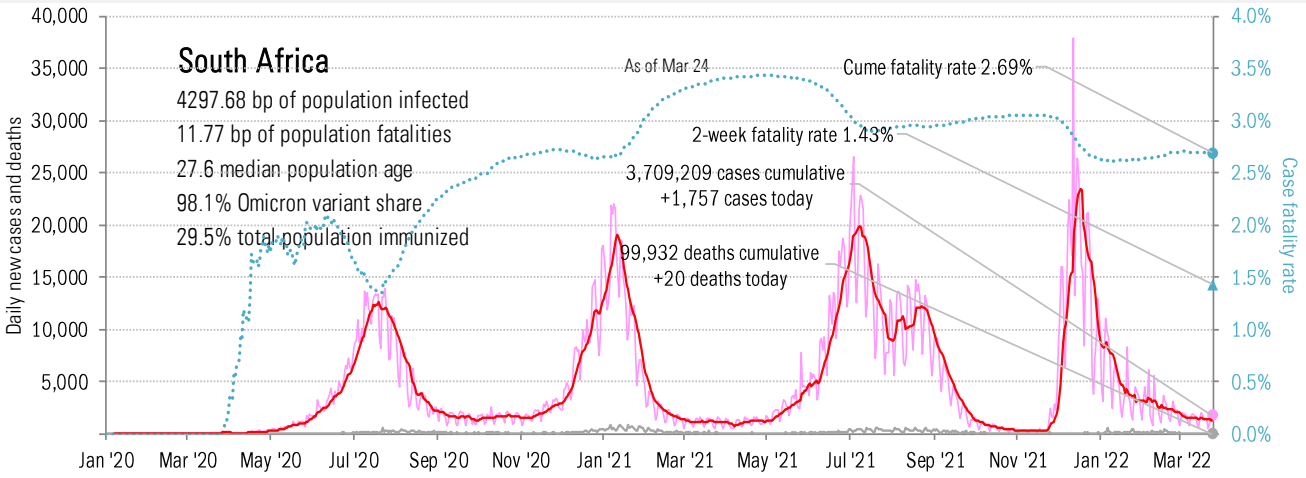
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations