

Data Insights: Covid-2019 Monitor

Tuesday, March 29, 2022

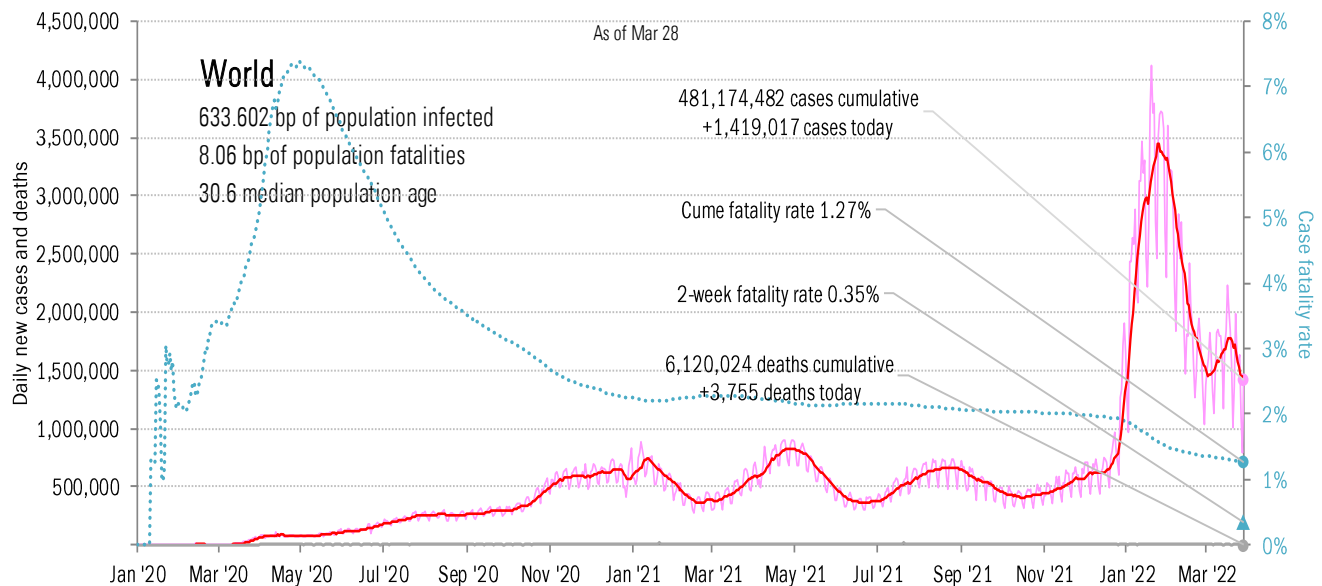
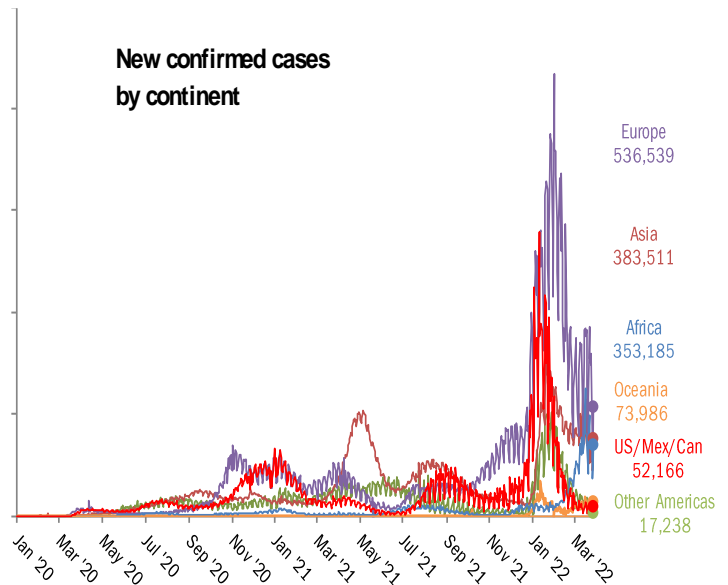
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Korea, South	347,374	United States	930
Vietnam	263,376	Russia	326
United Kingdom	215,398	Korea, South	237
Australia	55,738	United Kingdom	218
Austria	49,071	Indonesia	204
United States	45,359	France	150
Switzerland	34,336	Honduras	100
Italy	31,560	Italy	95
France	29,807	Hungary	84
Japan	29,720	Malaysia	84
1,101,739		2,428	
World	1,419,017	World	3,755
Top ten	78%	Top ten	65%

New confirmed cases by continent



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

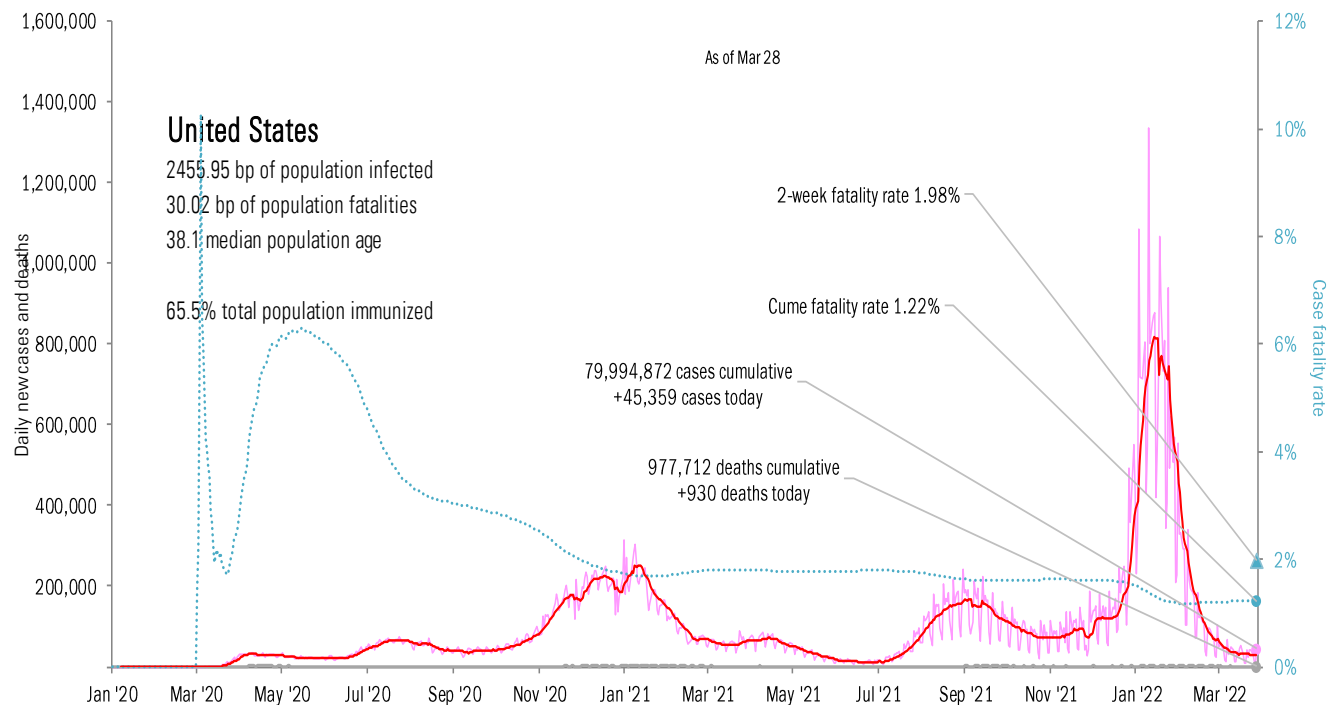
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use									
CA	7,355		KY	236		GA	73		CA	9,095,314		CA	88,742		TX	486,580		RI	89%	TX	86%								
KY	5,530		CA	145		MT	34		TX	6,727,341		TX	87,045		CA	421,997		MA	83%	NM	84%								
MA	2,624		RI	83		CA	168		FL	5,884,391		FL	73,159		FL	412,987		MN	83%	DE	80%								
IL	2,511		WI	83		TX	143		NY	4,985,450		NY	67,939		NY	244,400		WV	81%	WV	79%								
FL	2,392		GA	54		AR	23		IL	3,063,735		PA	44,211		GA	206,483		WA	81%	NC	78%								
NC	2,291		FL	52		NC	37		PA	2,779,328		CH	37,793		CH	189,907		GA	80%	KY	77%								
NY	2,286		OR	39		VA	38		CH	2,669,698		GA	36,825		PA	175,313		MO	79%	RI	77%								
AL	2,024		AL	24		IL	53		NC	2,626,596		IL	35,761		IL	156,211		DC	79%	AK	77%								
WA	2,024		VA	22		MO	31		GA	2,486,866		MI	35,578		MI	140,430		MD	79%	MS	76%								
CO	1,677		WA	22		WV	18		MI	2,385,536		NJ	33,217		KY	132,465		AK	78%	MA	76%								
30,714			760			618			42,704,255			540,270			2,566,773														
All states			45,359			930			1,417			All states			79,994,872			977,712			4,660,982			All states		70%		67%	
Top ten			68%			82%			44%			Top ten			53%			55%			55%			Median		72%		70%	

Some states not reporting

Five most improved US states

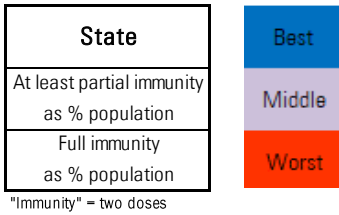
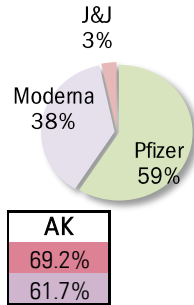
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NY	-3,622	FL	-27	MA	-18	AK	+10 bp
NJ	-298	TX	-15	NY	-18	CT	+10 bp
DE	-158	DE	-9	CH	-14	MD	+10 bp
PA	-124	NY	-2	NV	-12	MP	+10 bp
PR	-87	MD	-1	WI	-12	PA	+10 bp



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	575,017,477		+0.052 million		US	65.5%	76.9%	
Boosters	98,582,038		+0.021 million		UK	72.4%	77.4%	
	One dose	% Pop	Immune	% pop	New immune today	France	77.8%	80.1%
Total population	262,961,471	79%	223,684,358	67%	+0.012 million	Spain	85.8%	88.0%
Age 12 to 17	17,524,757	69%	14,949,699	59%	+0.001 million	Germany	75.2%	75.9%
Age 18 to 64	177,163,482	87%	150,274,690	74%	+0.006 million	Italy	79.2%	84.0%
Age 65 and over	58,280,269	100%	50,479,407	92%	+0.001 million	Australia	82.0%	86.1%
						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%

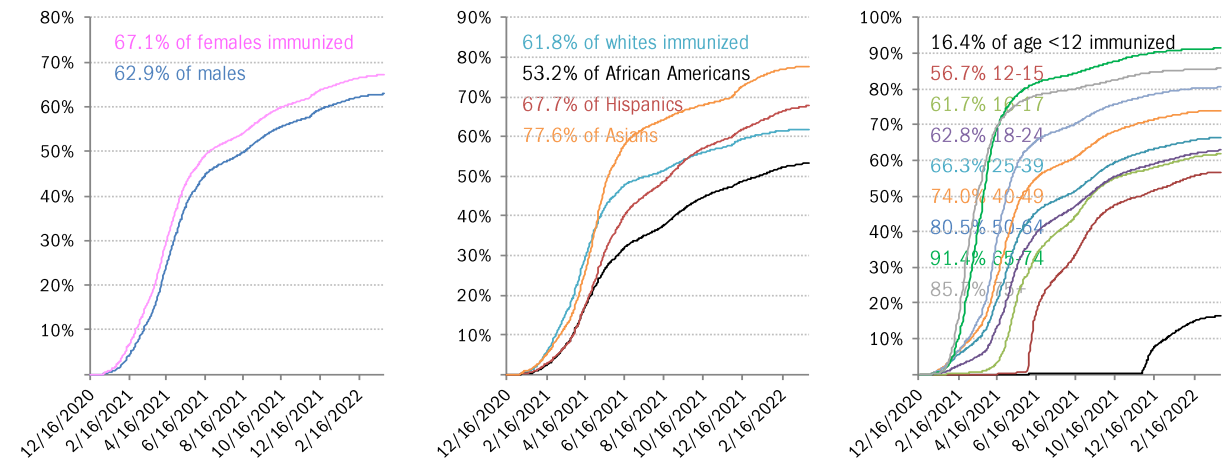


Global data differs due to sources, timing

As of Mar 28

State	At least partial immunity as % population	Full immunity as % population
AK	69.2%	61.7%
HI	86.9%	77.7%
TX	72.0%	60.7%
WI	71.4%	65.0%
ME	89.4%	78.7%
NY	89.5%	76.1%
VT	92.8%	80.5%
NH	88.2%	68.2%
WA	80.2%	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%
OR	77.4%	69.1%
NV	74.6%	60.2%
WY	58.3%	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%	63.7%
CO	78.8%	69.7%
NE	69.7%	62.9%
MO	65.7%	55.5%
KY	65.8%	57.0%
WV	64.5%	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	66.1%	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	70.4%	56.5%
LA	60.7%	53.1%
MS	59.2%	51.4%
AL	62.2%	50.6%
GA	64.8%	54.1%
FL	78.6%	66.4%
PR	95.0%	82.1%

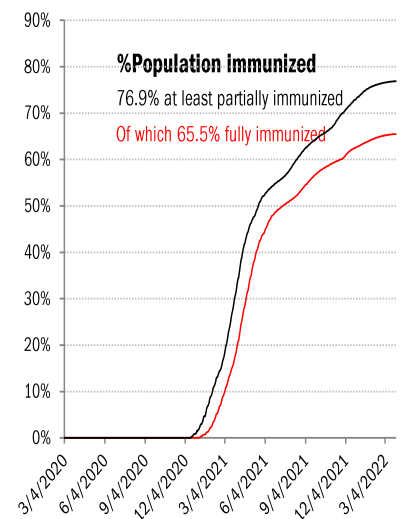
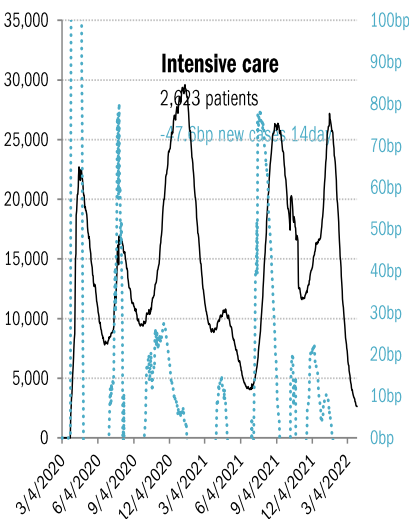
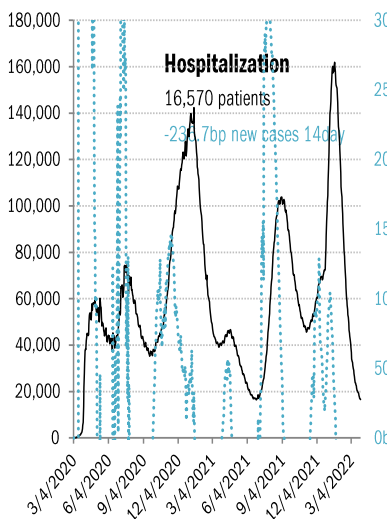
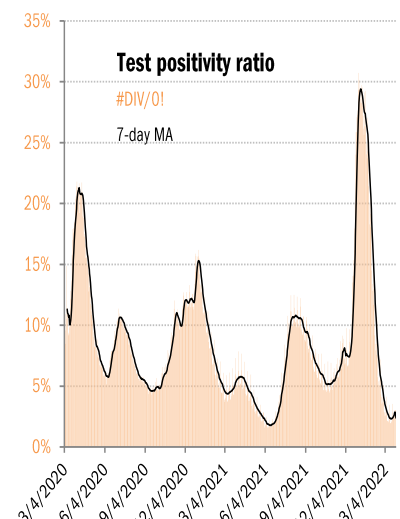
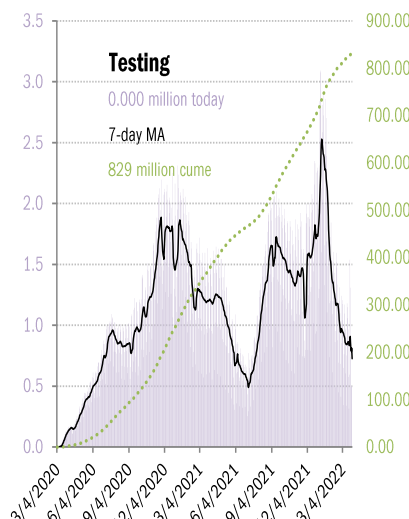
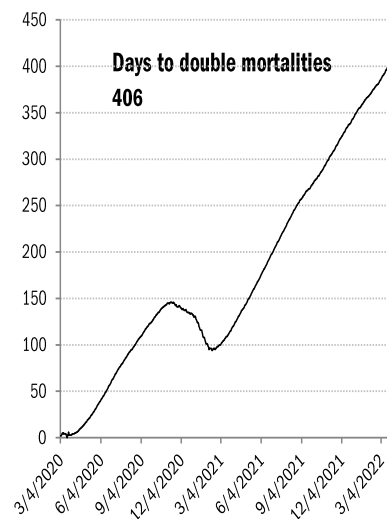
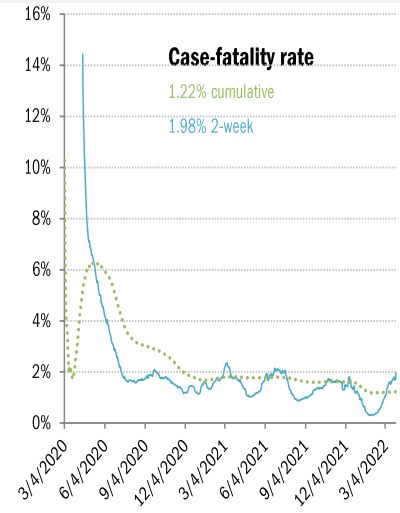
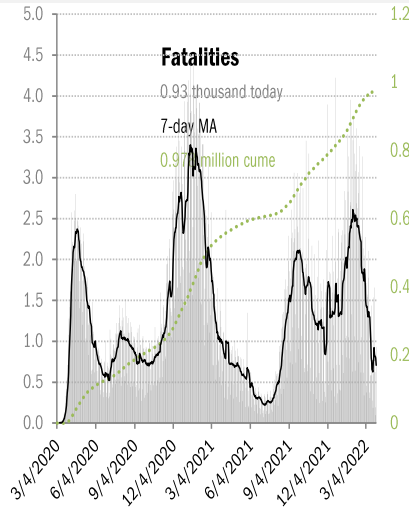
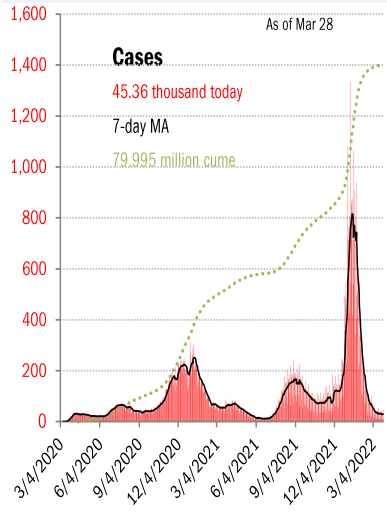
The demographics of US vaccination



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

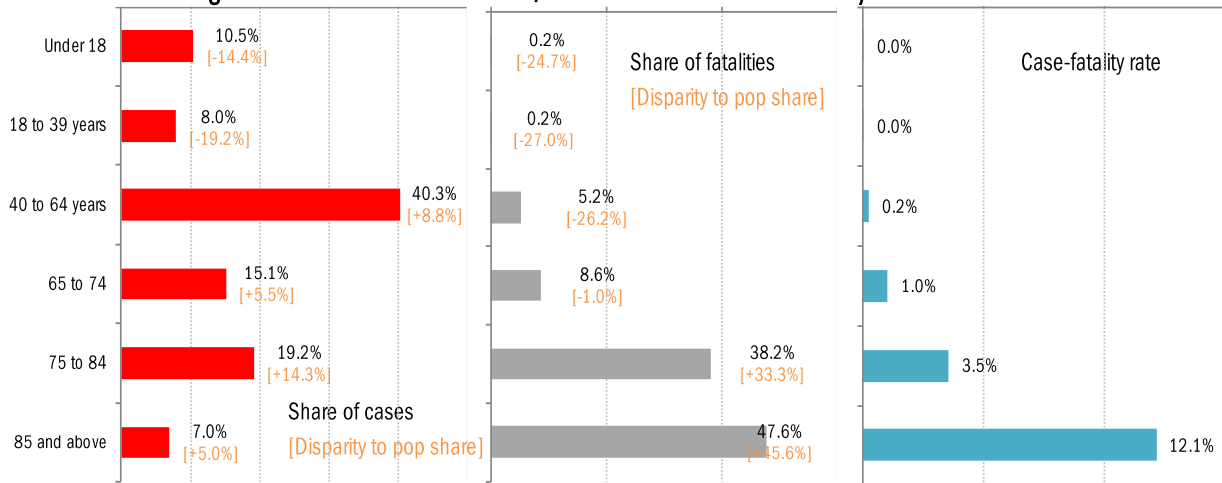
US deep-dive

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

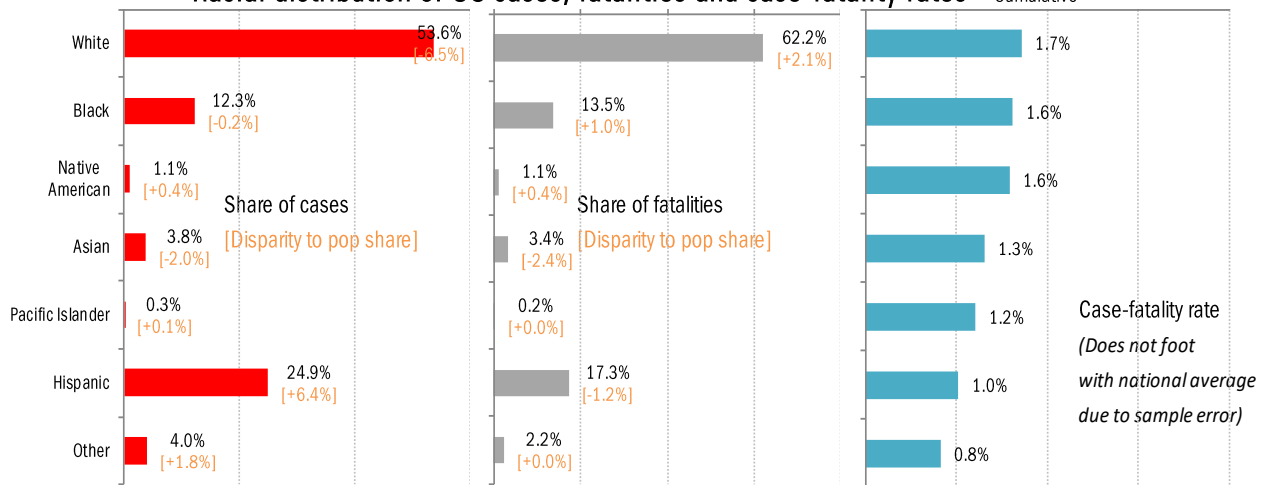


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

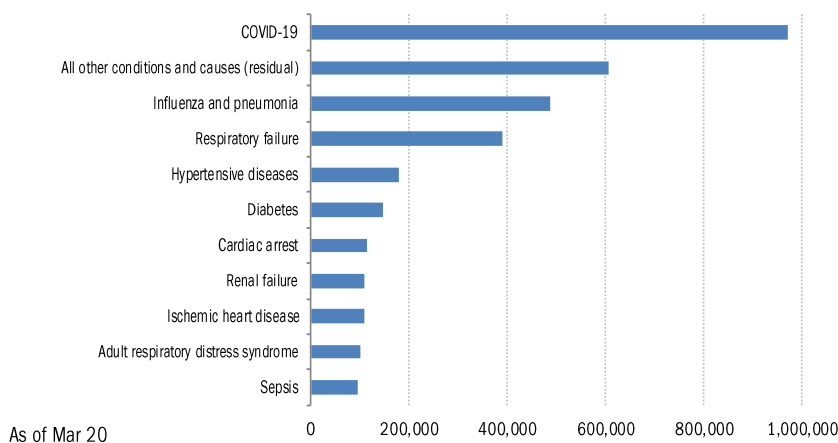


Racial distribution of US cases, fatalities and case-fatality rates



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.

Recommended reading

[You Likely Don't Need a Fourth Covid Shot](#)

Philip Krause and Luciana Borio

Wall Street Journal

March 28, 2022

[KLM plans to stop monitoring face masks this week – despite Dutch government rules](#)

Joe Ellison

Points Guy

March 22, 2022

[How covid brain fog may overlap with 'chemo brain' and Alzheimer's](#)

Ariana Eunjung Cha

Washington Post

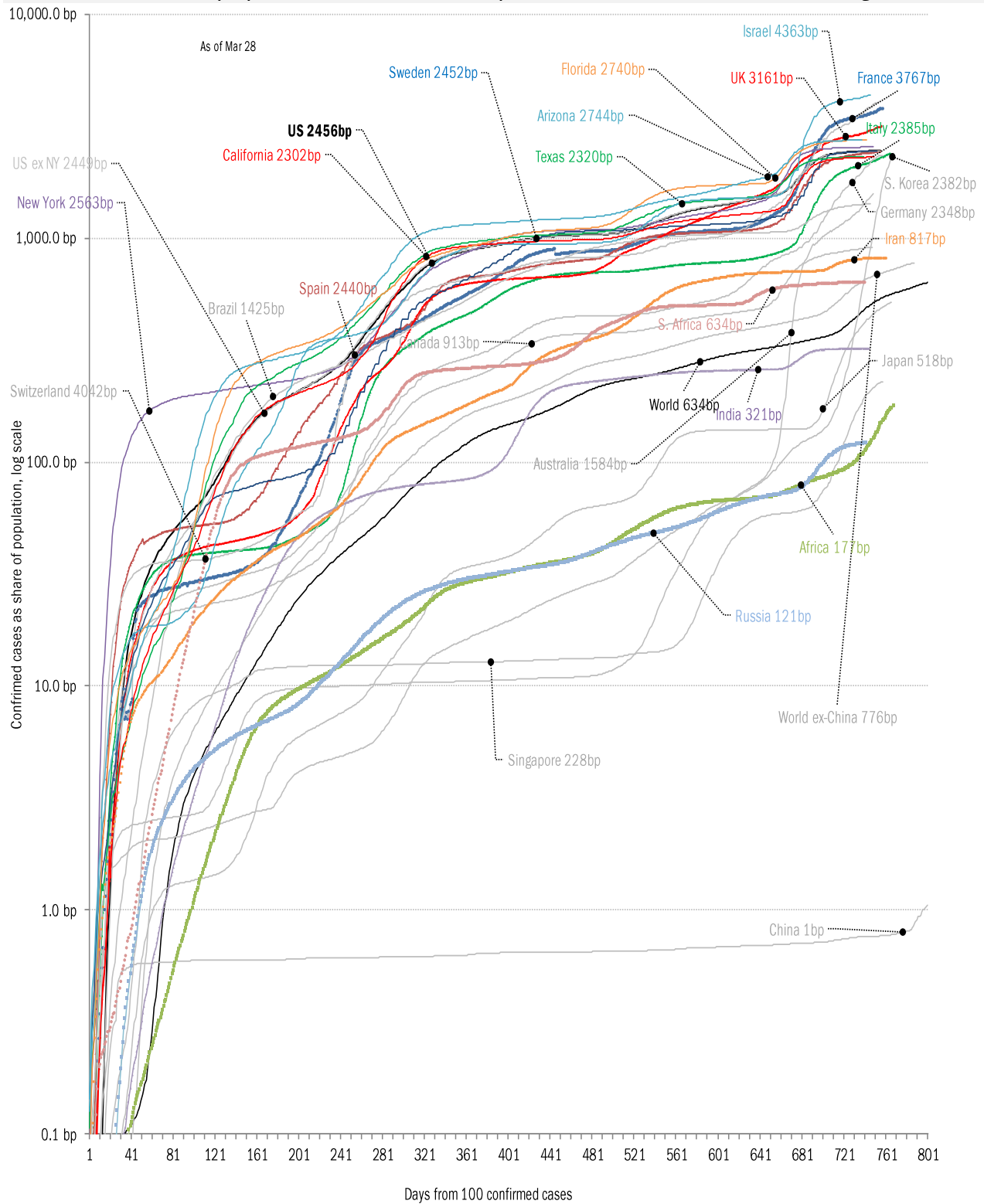
March 27, 2022

Meme of the day



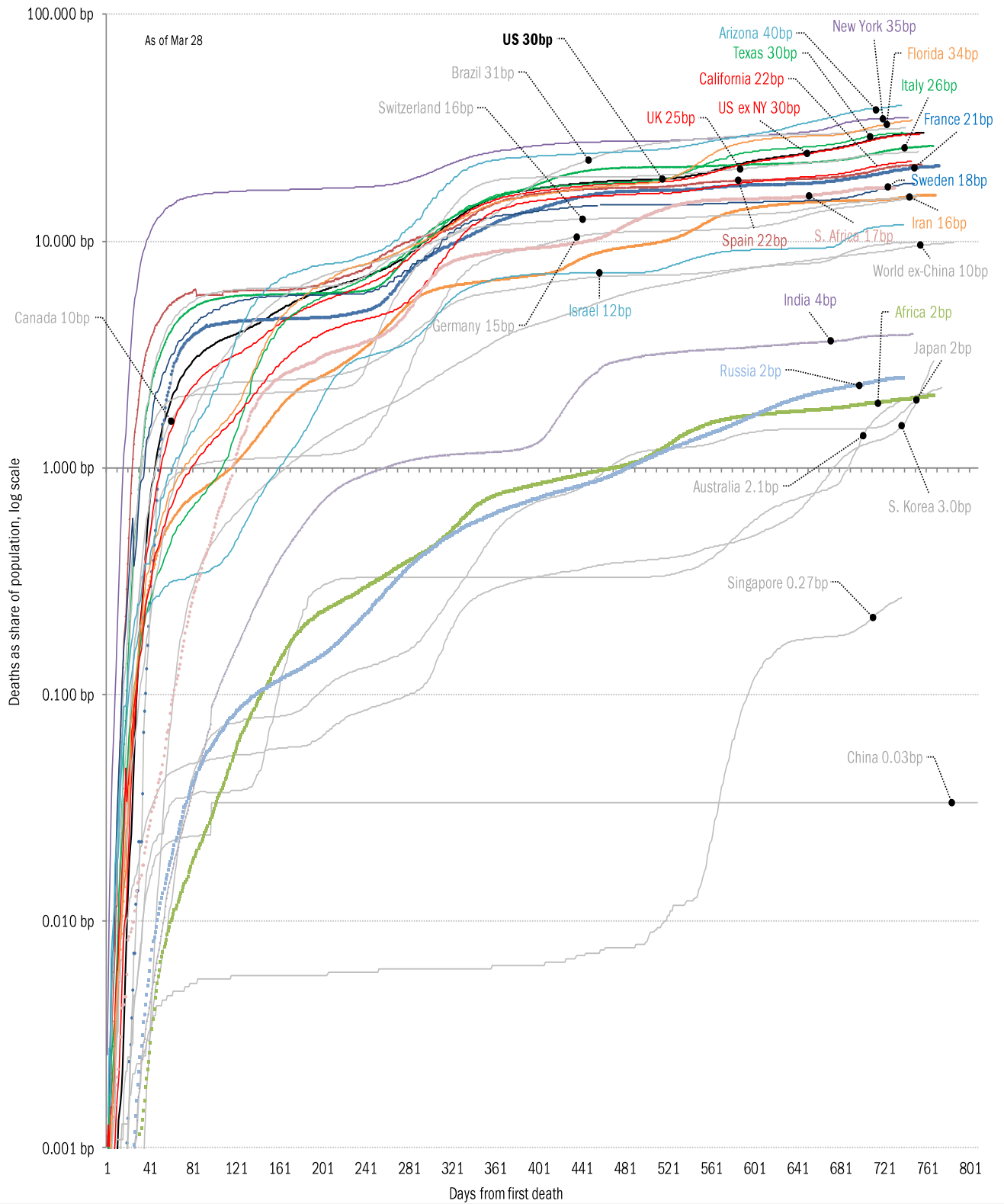
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

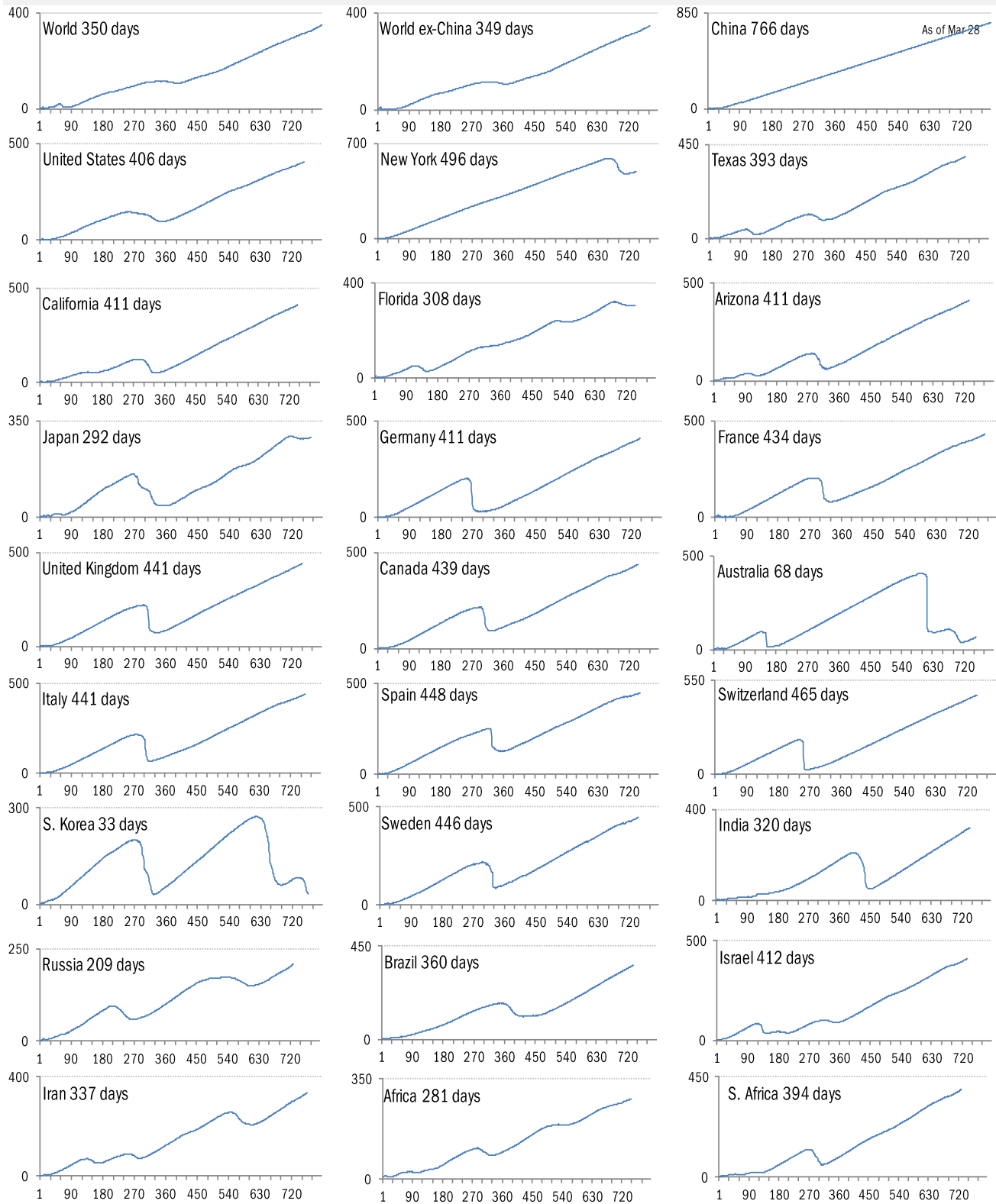


Source: [Johns Hopkins](#), TrendMacro calculations

"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

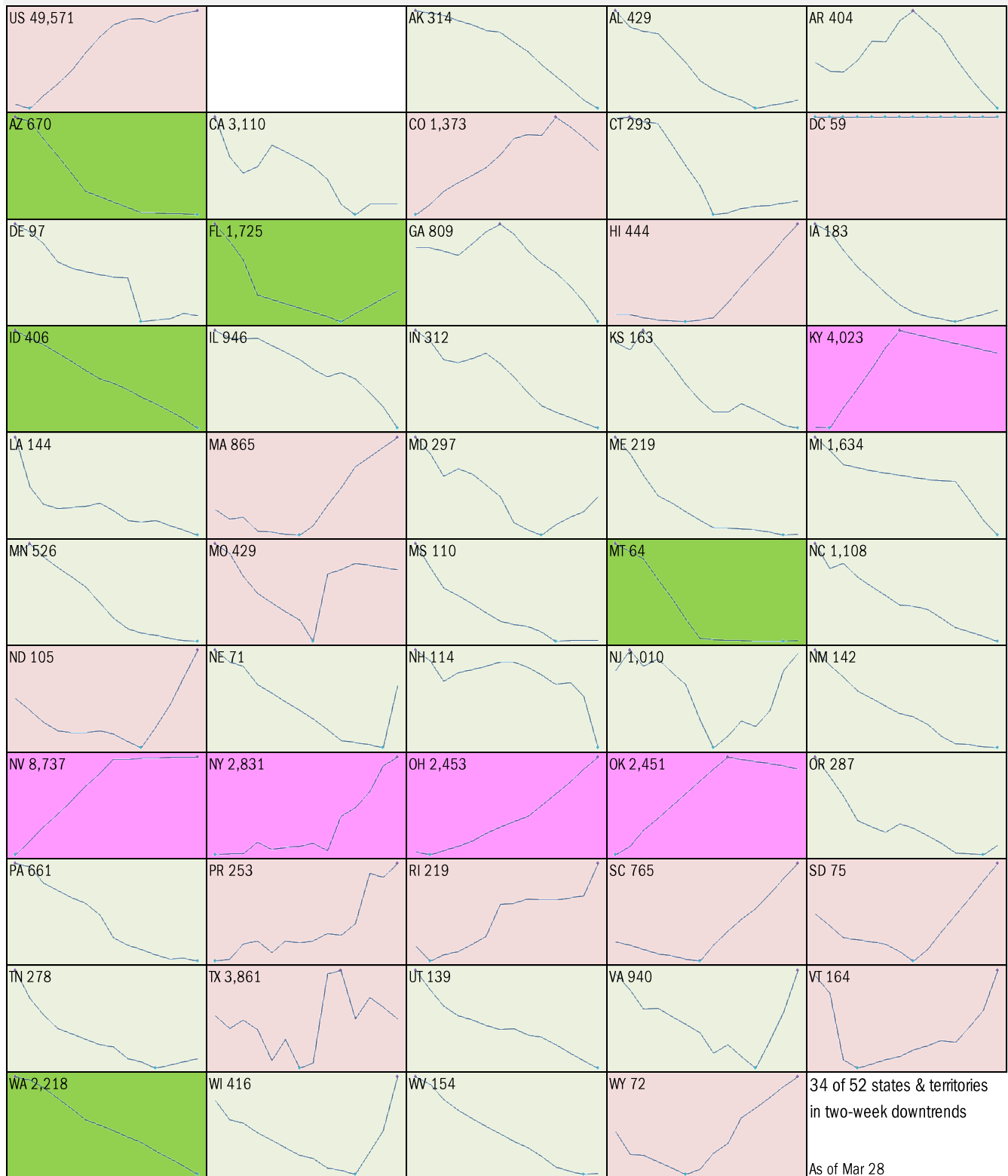


Source: [Johns Hopkins](#), TrendMacro calculations

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

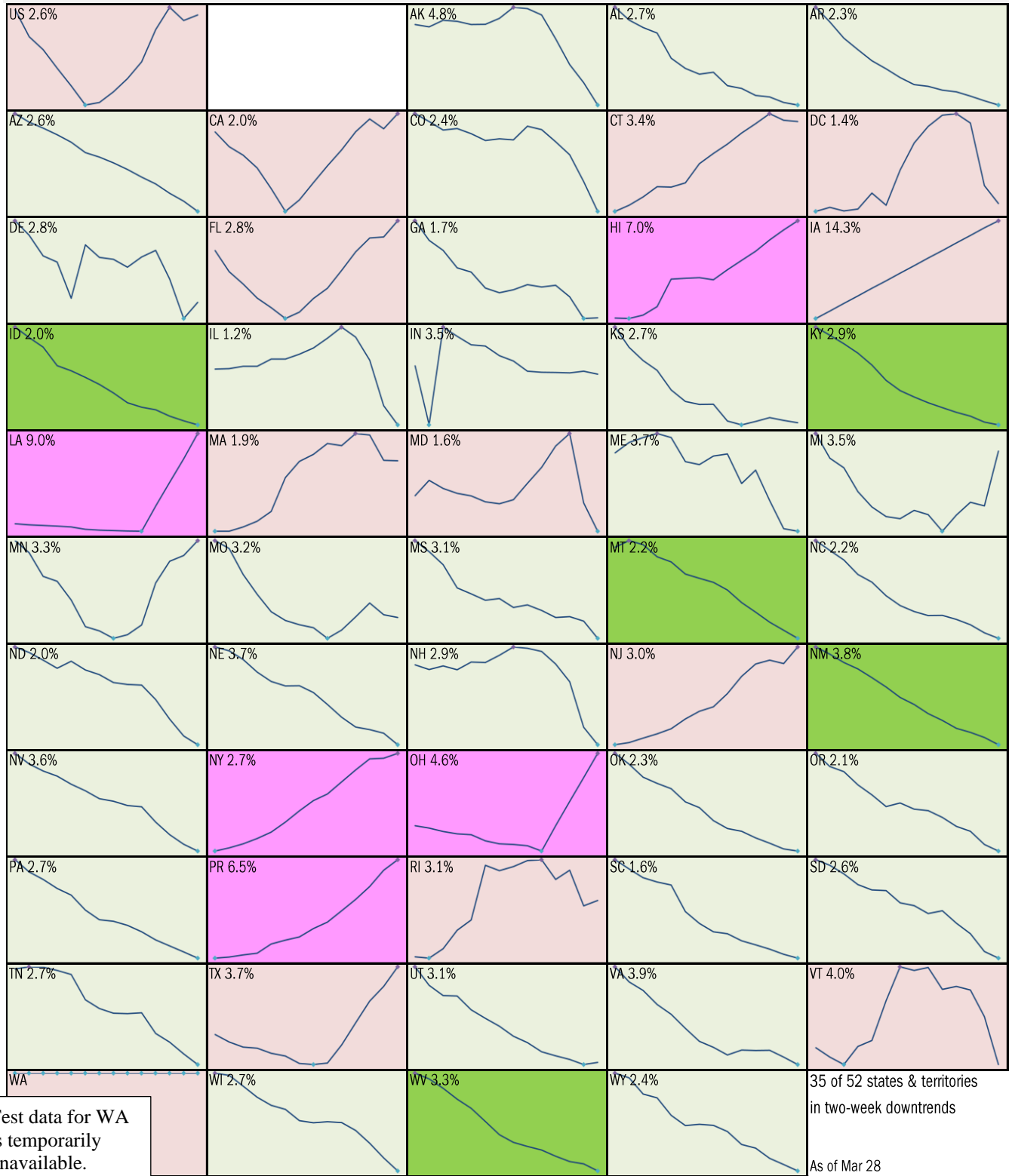


Source: [Johns Hopkins](#), TrendMacro calculations

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

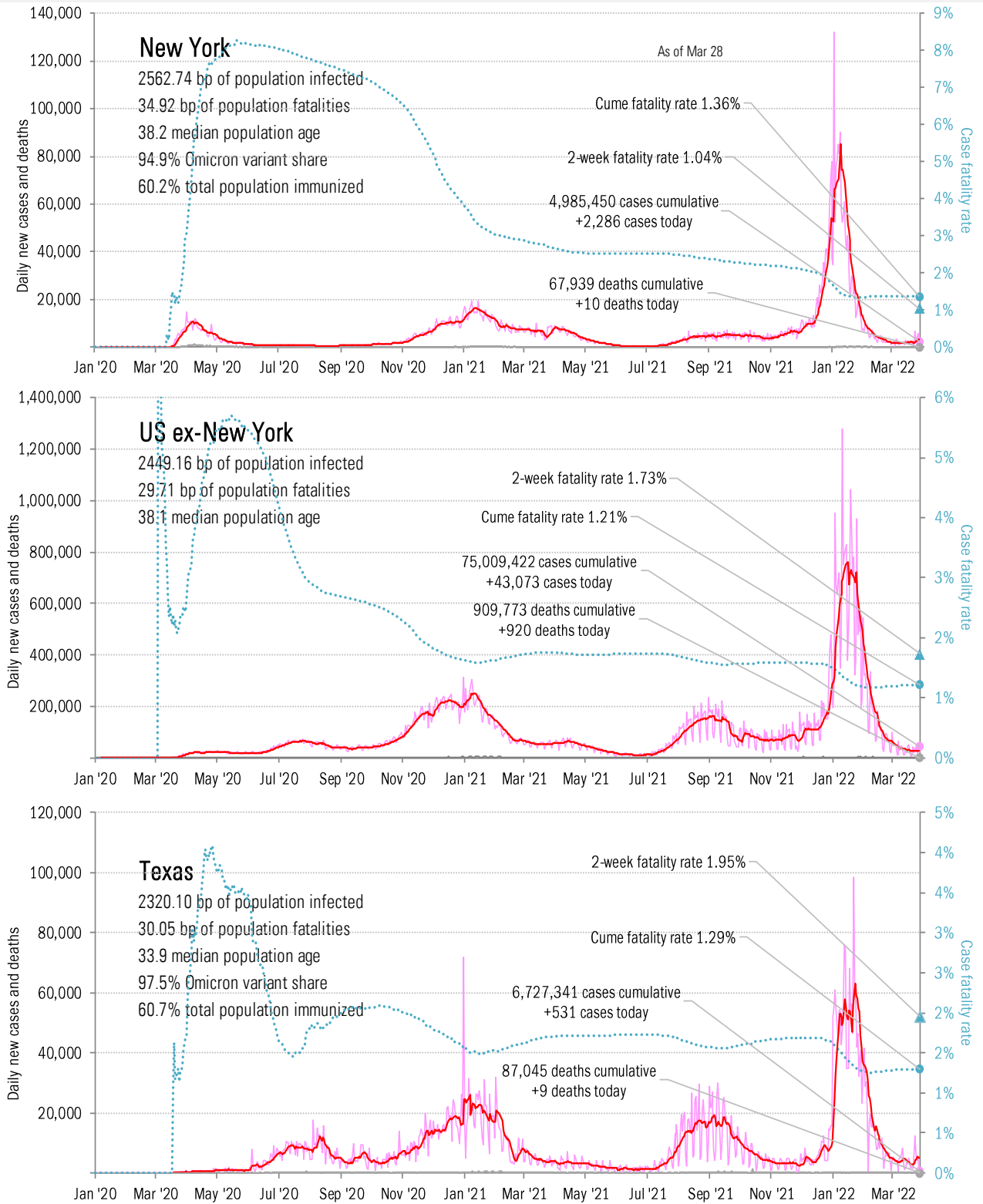


Test data for WA is temporarily unavailable.

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

From Ground Zero to the Rio Grande

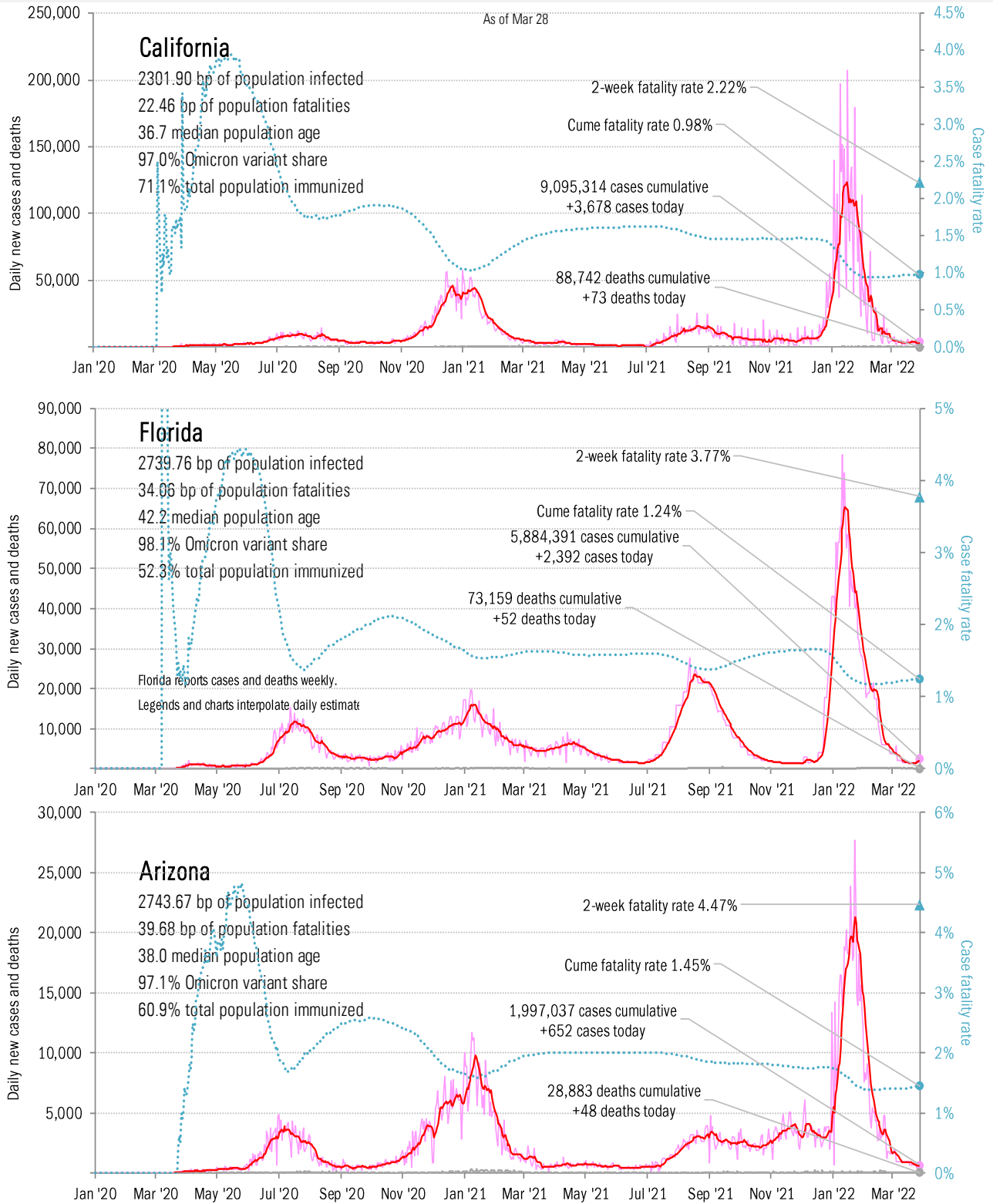
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

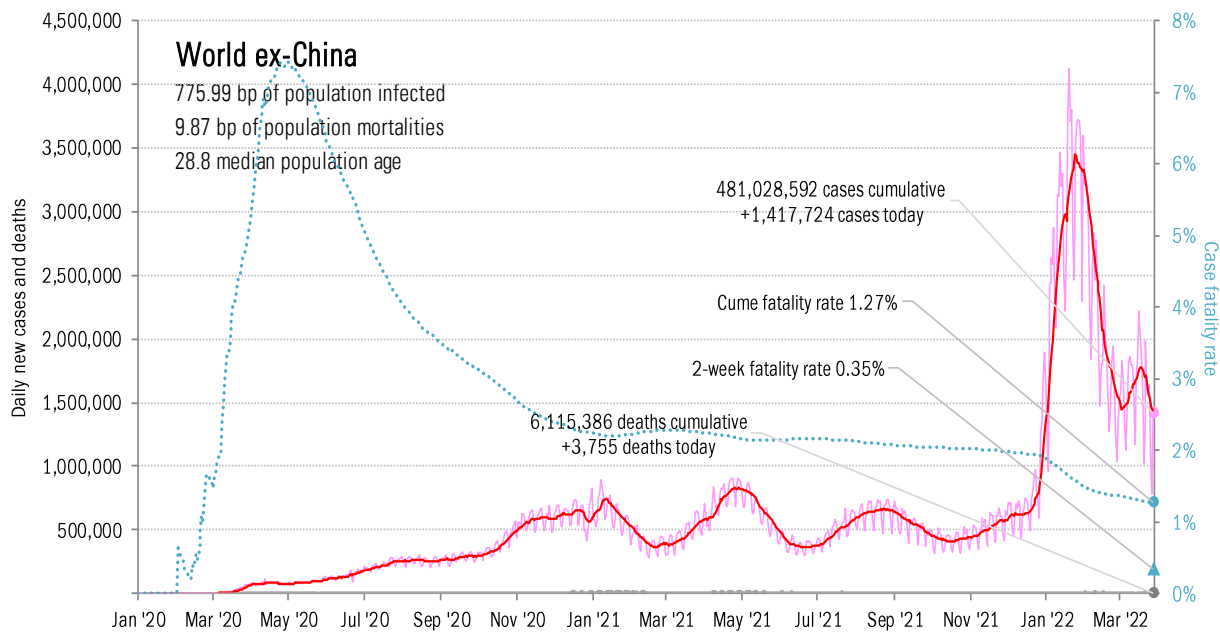
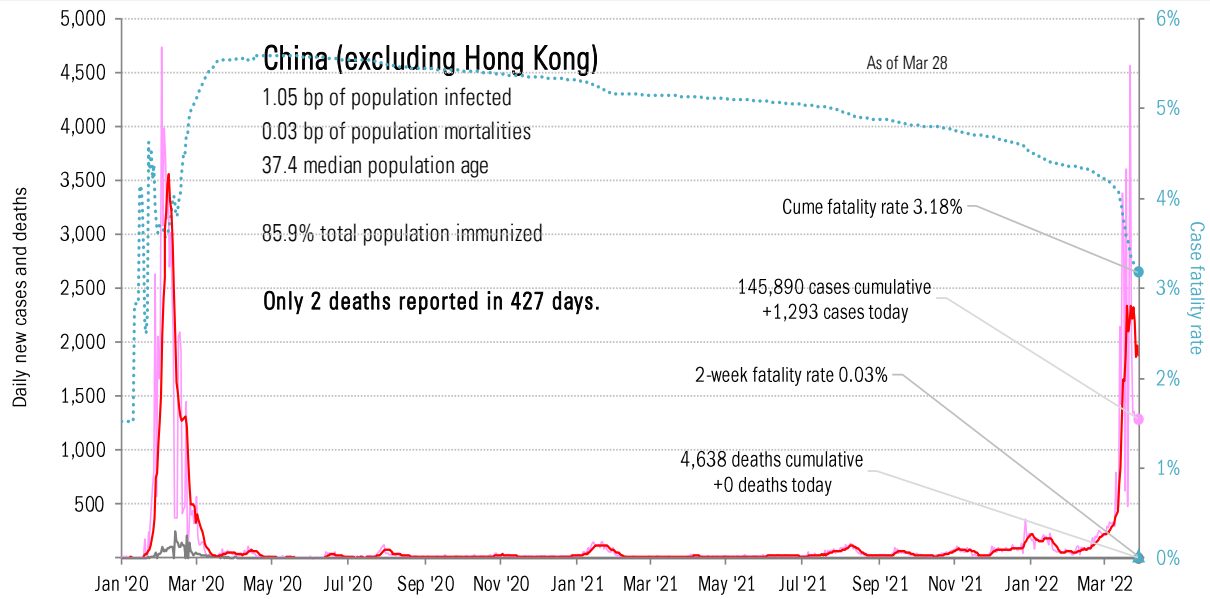
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

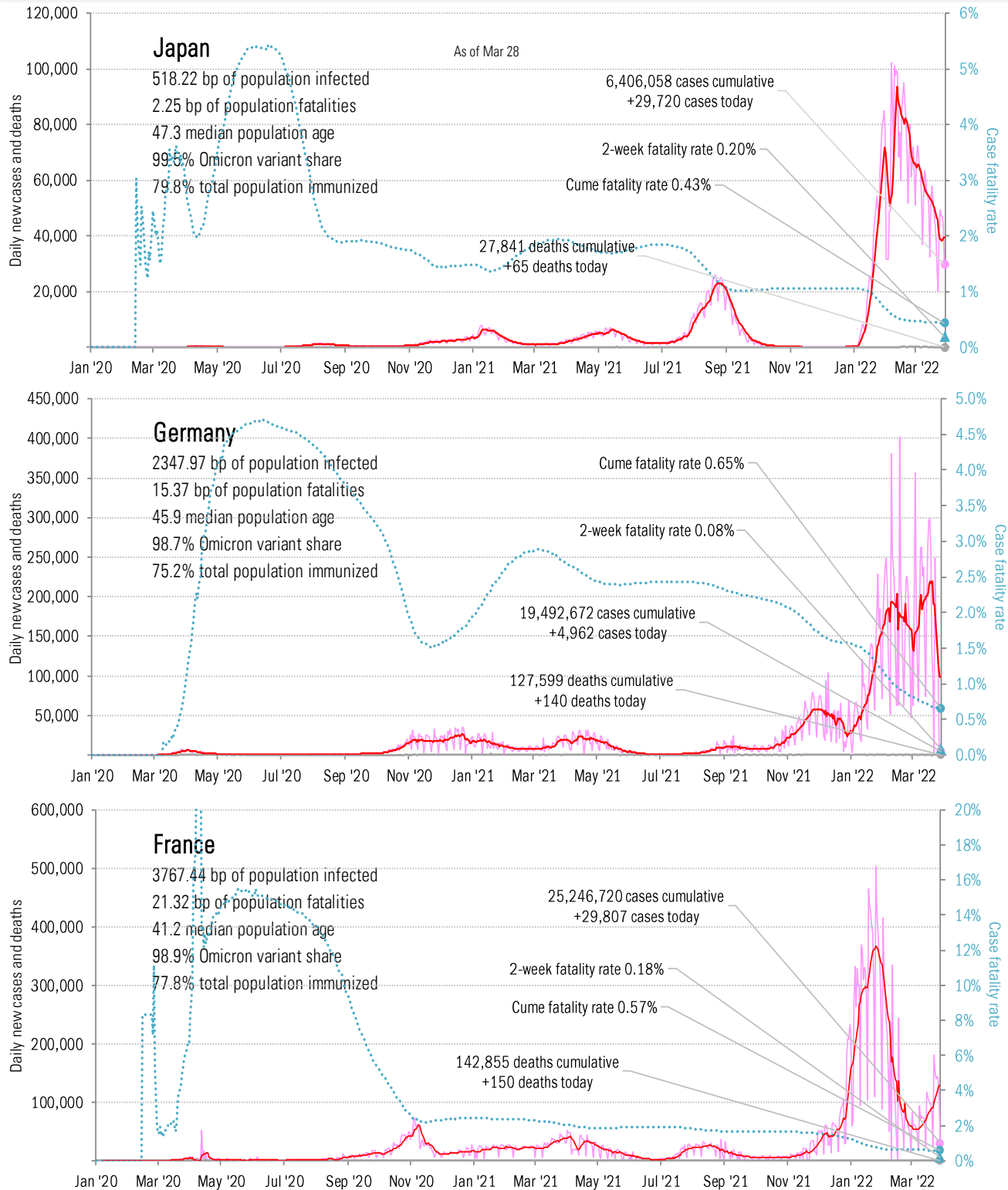
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

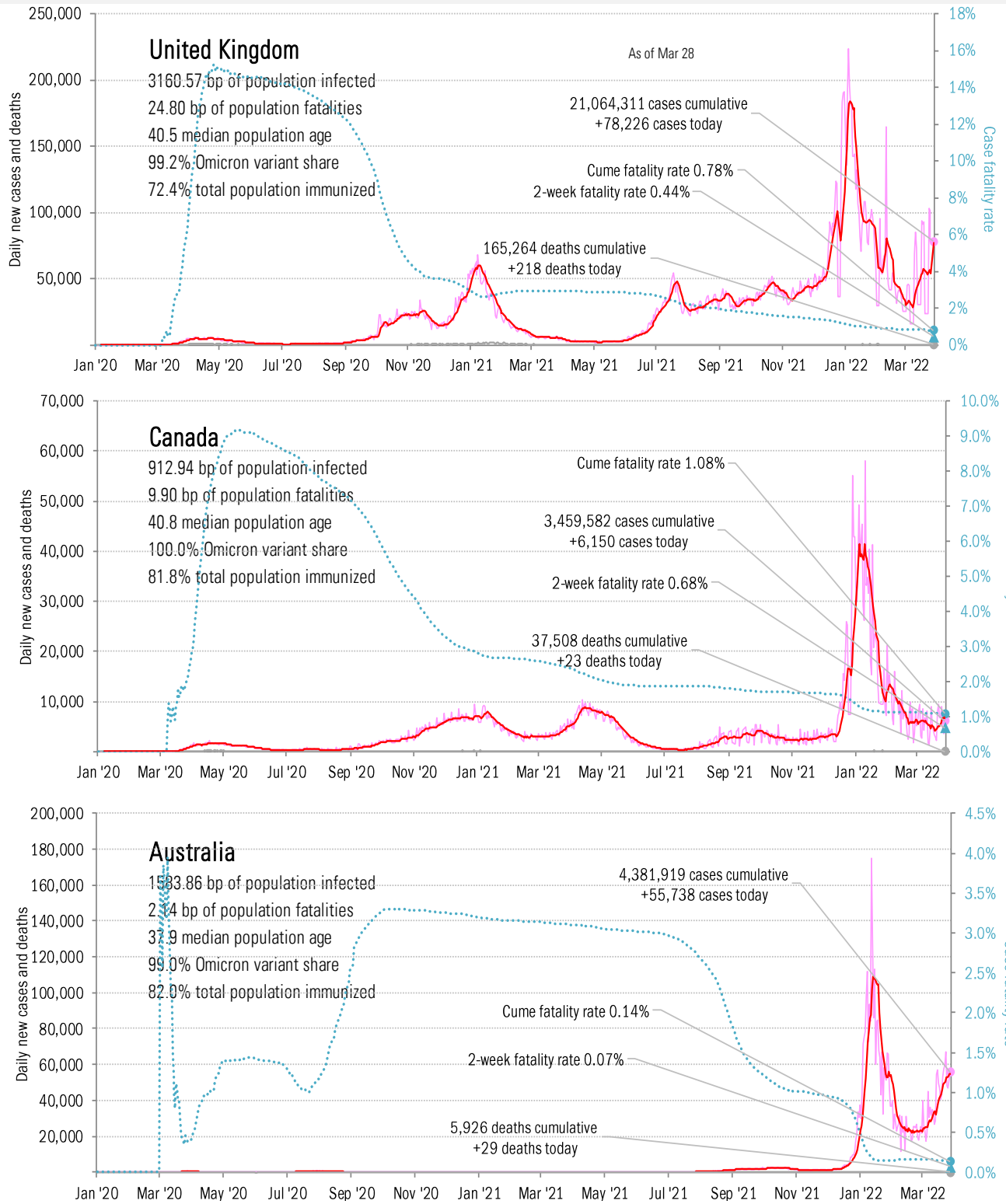
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

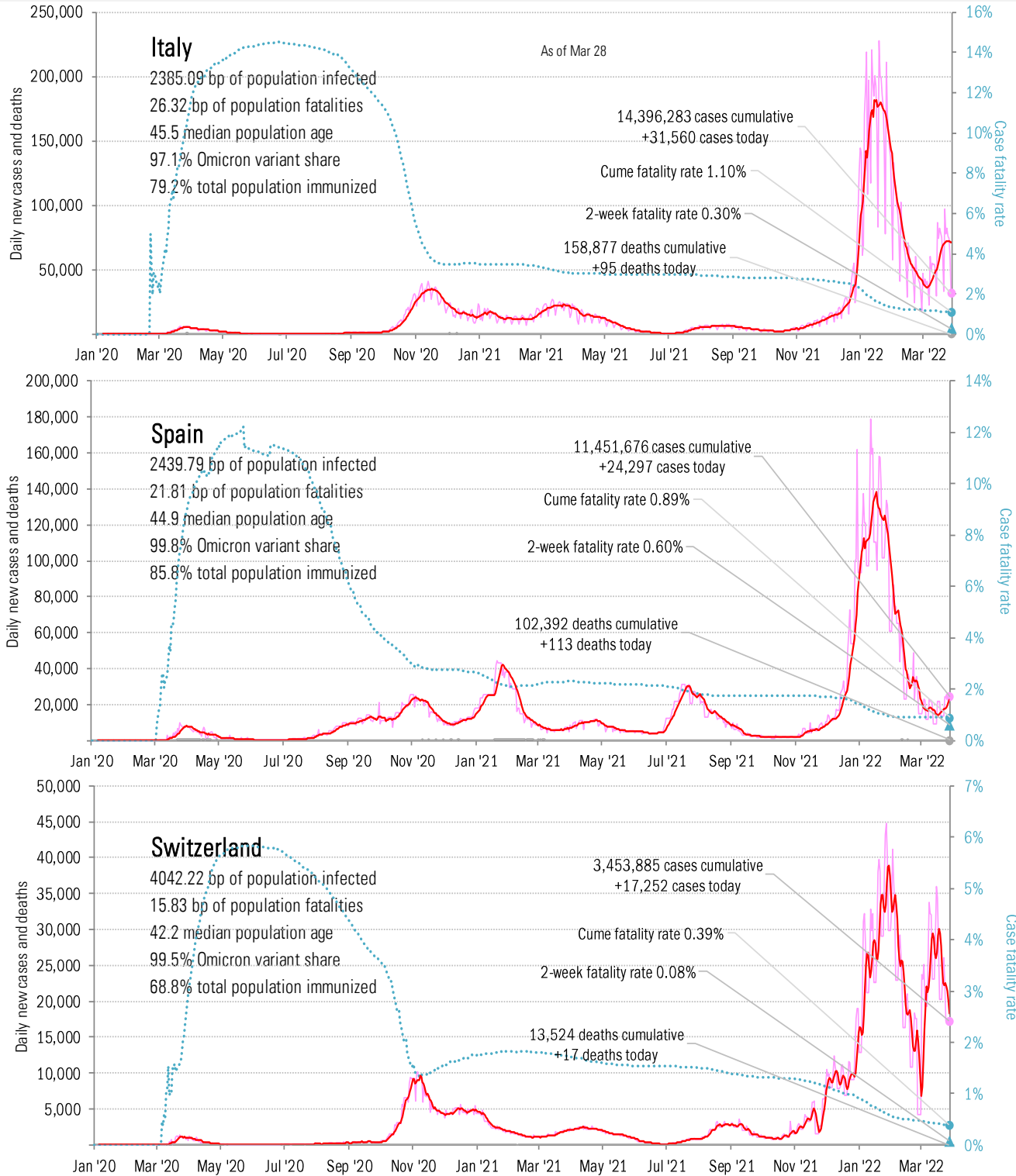
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

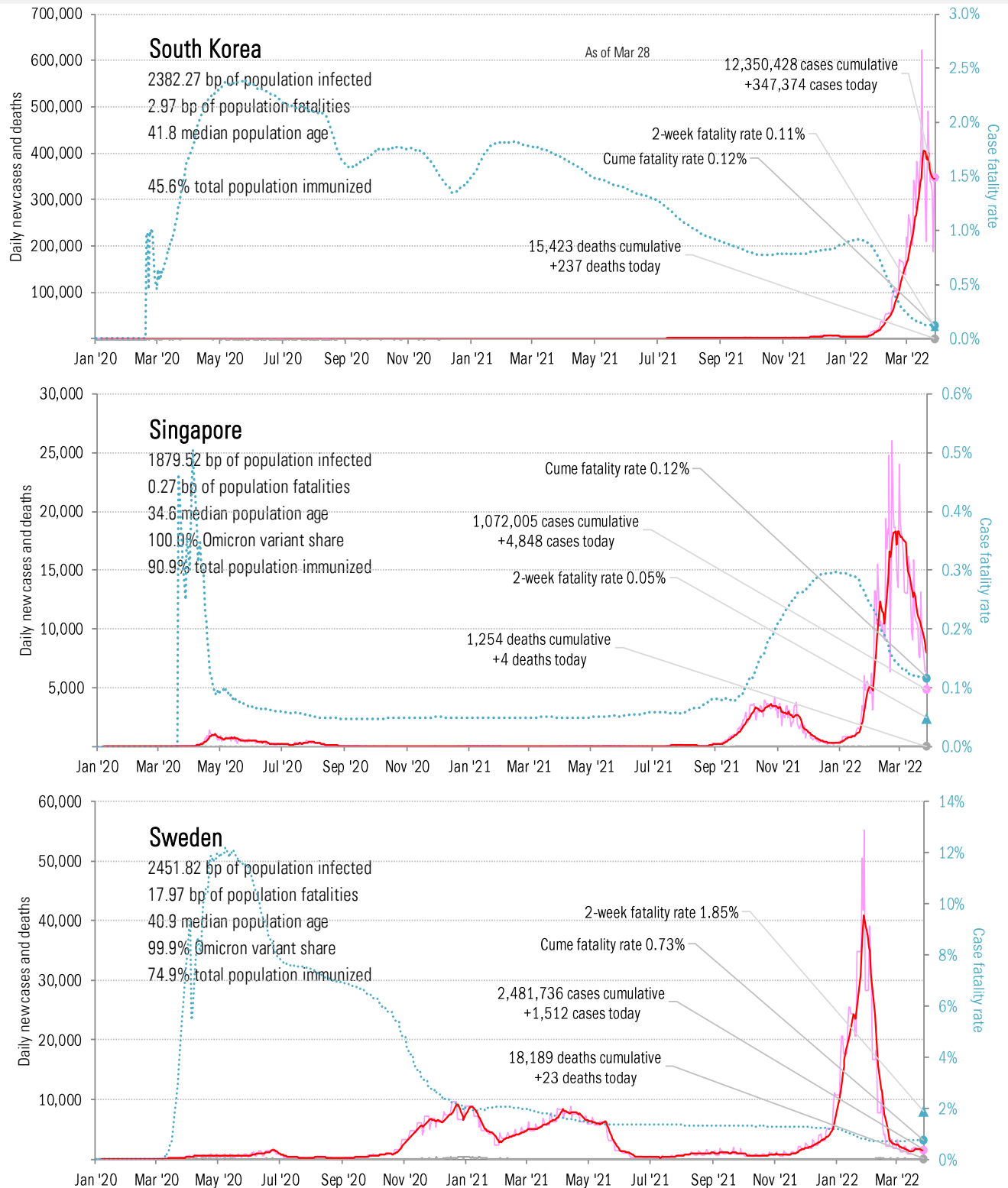
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

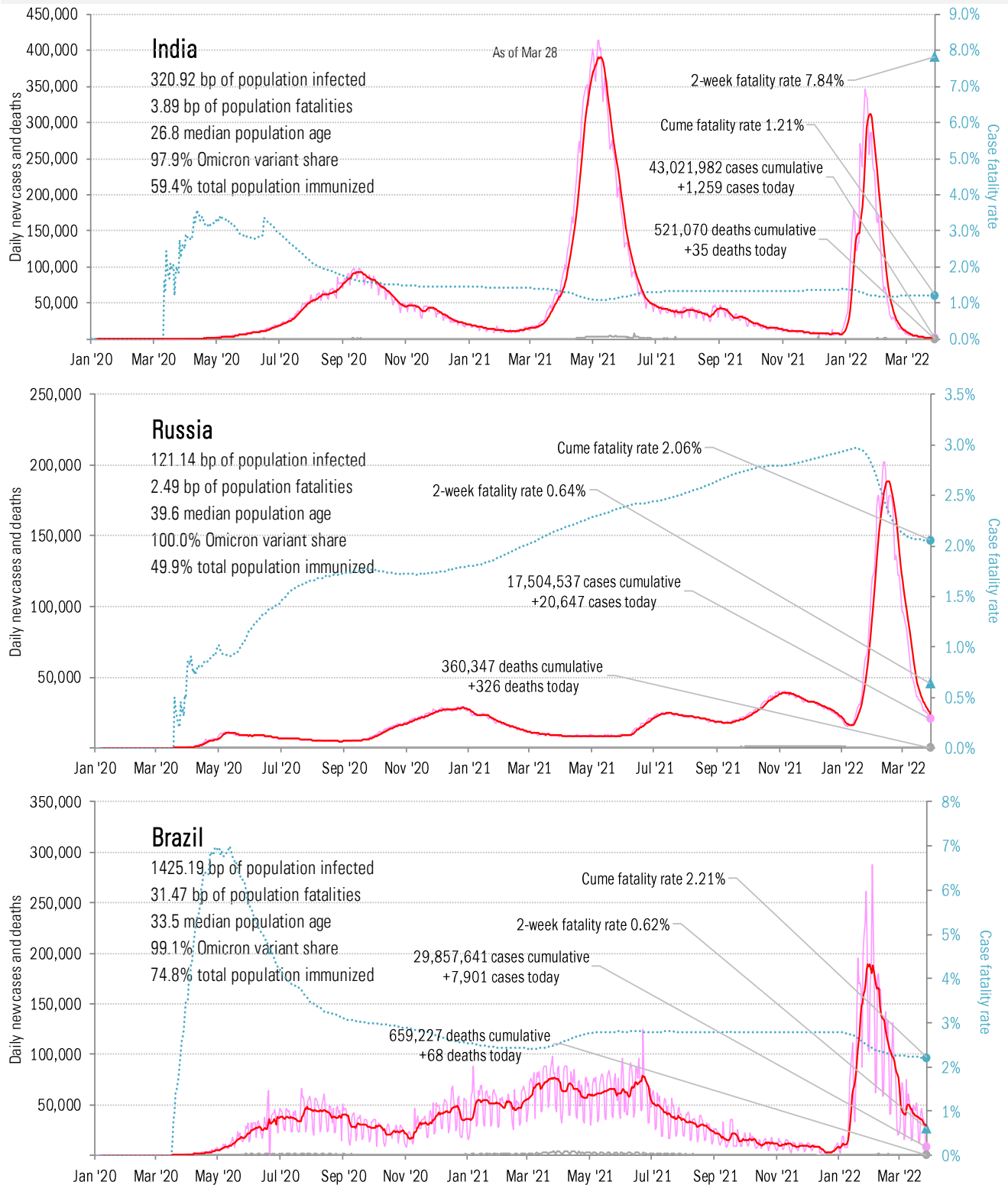
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

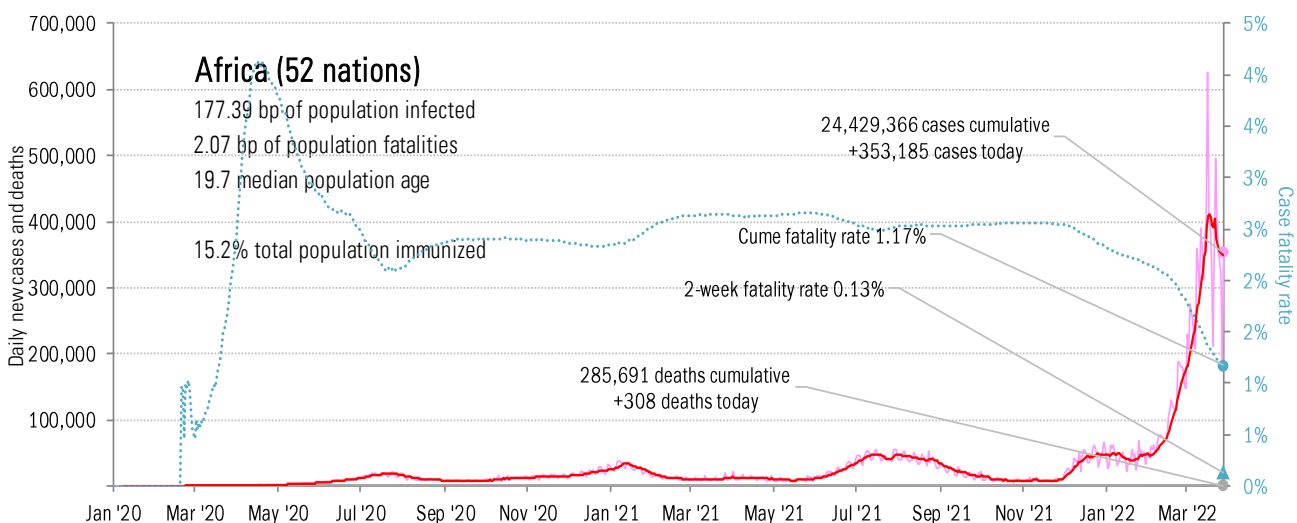
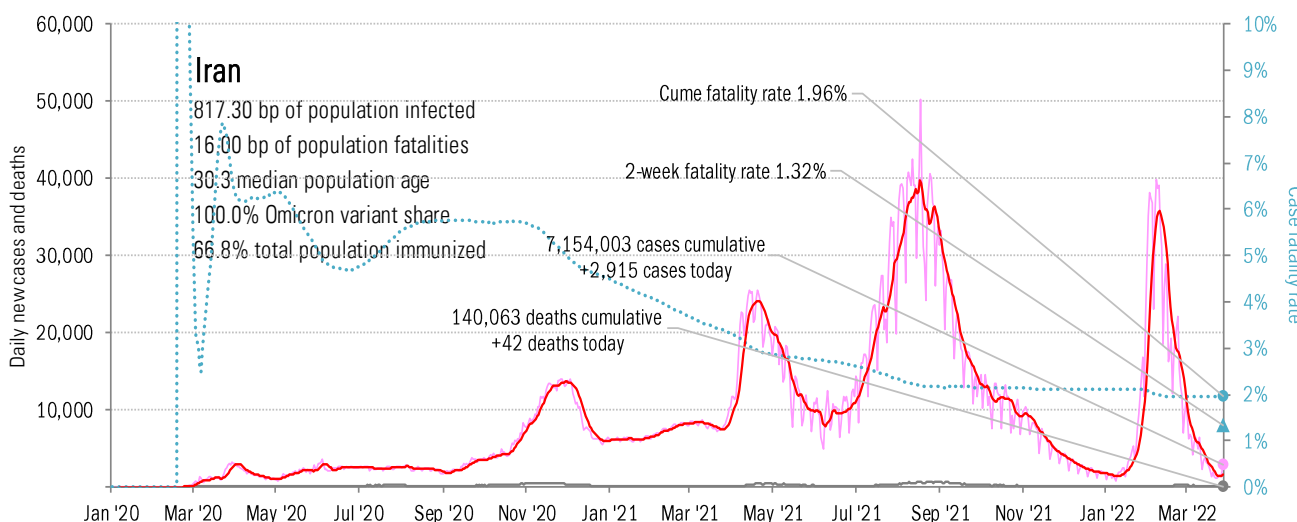
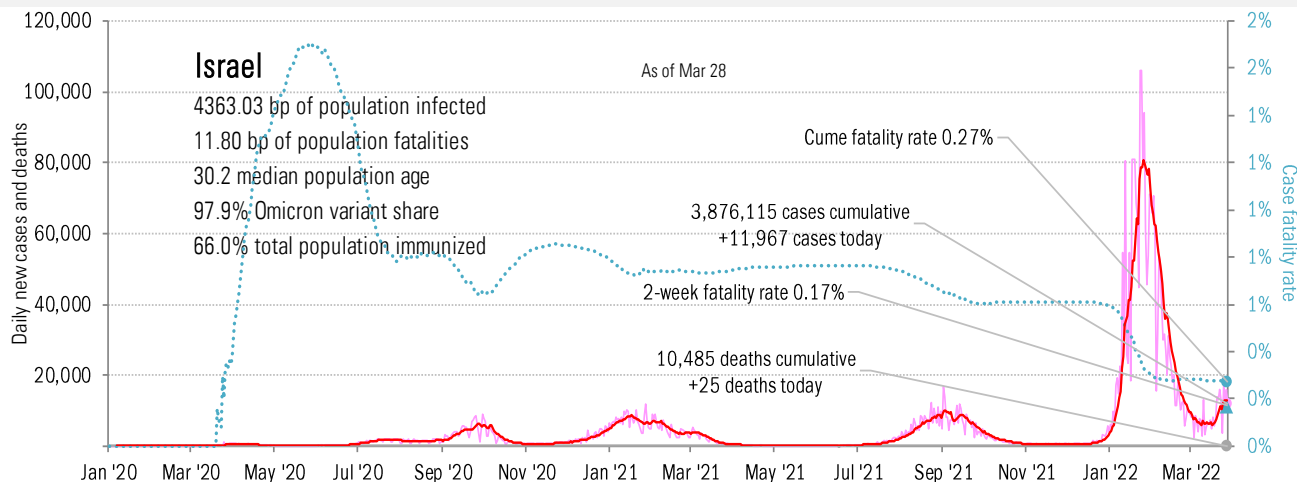
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

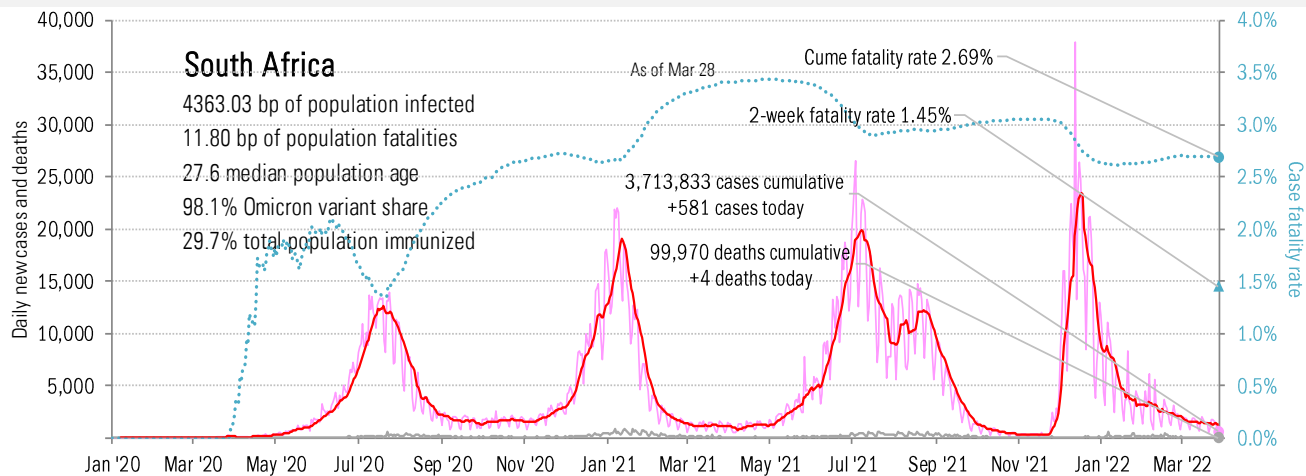
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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