

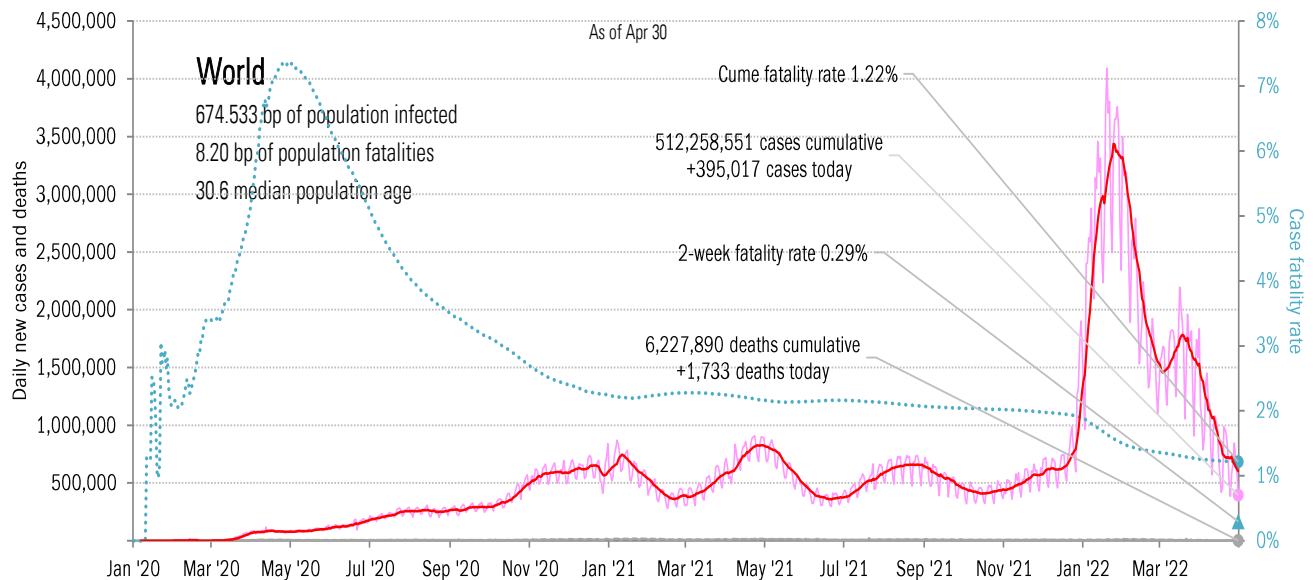
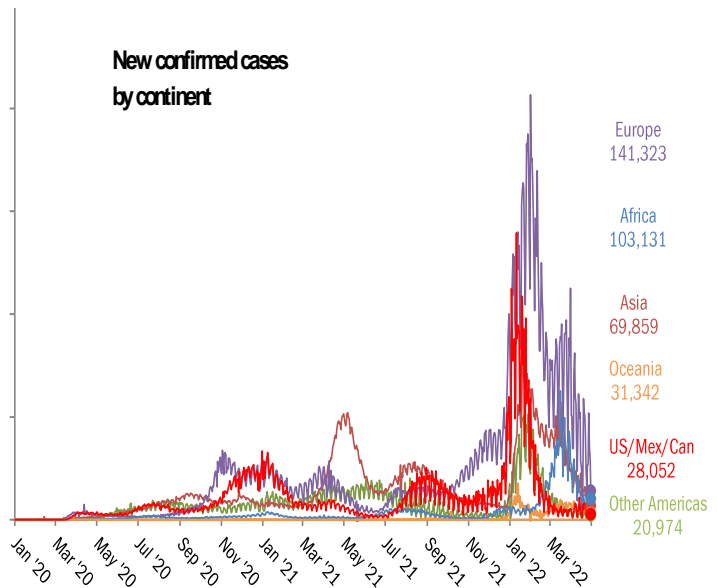
Data Insights: Covid-2019 Monitor

Sunday, May 1, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Benin	59,442	United States	531
Italy	54,017	Russia	153
France	49,482	Italy	130
Korea, South	37,771	Thailand	91
Australia	25,614	Brazil	87
Japan	24,979	China	85
United States	23,685	Korea, South	81
Brazil	15,194	Paraguay	75
Taiwan*	15,130	France	61
Germany	11,718	India	40
317,032		1,334	
World	395,017	World	1,733
Top ten	80%	Top ten	77%



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

For more information contact us:

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

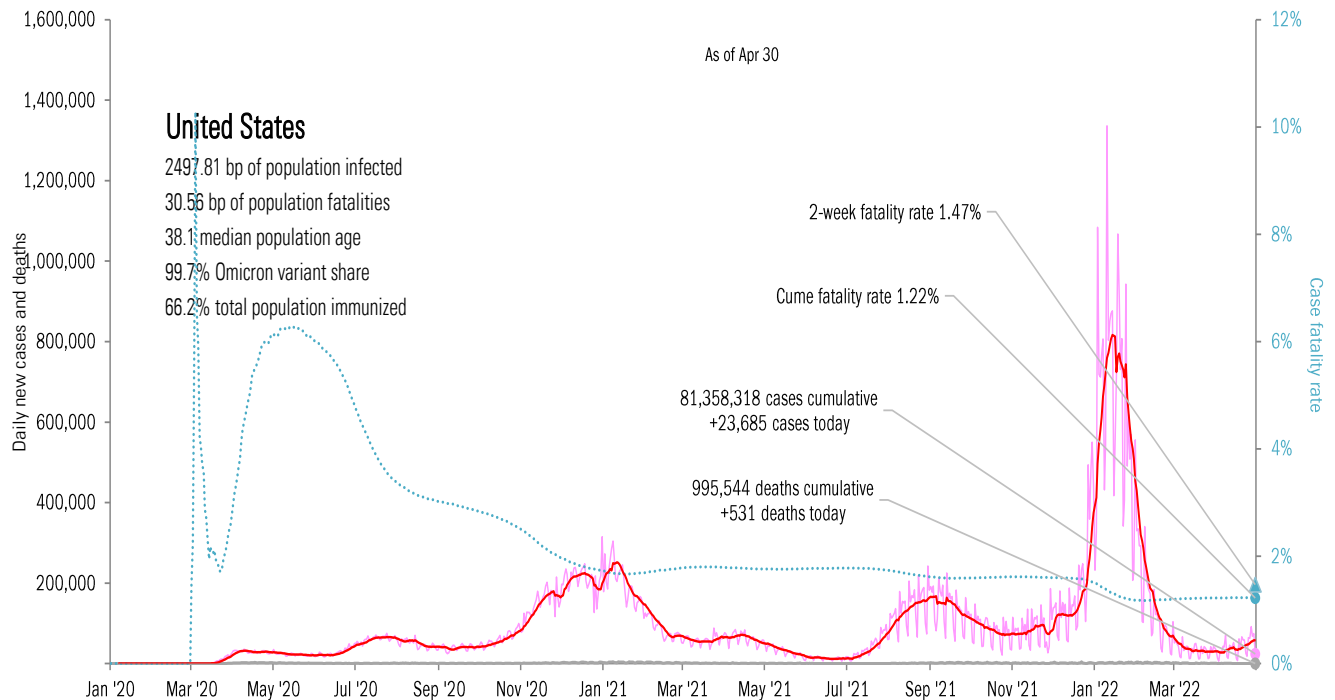
The ten worst US states

New cases			New deaths		New in hospital		Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NY	6,682		US state fatality data distorted today due to revisions.	CH	140	CA	9,236,835	CA	90,329	TX	490,138	RI	90%	TX	83%				
FR	5,179	PA		96	TX	6,825,834	TX	88,107	CA	426,677	MA	86%	KY	82%					
NJ	3,254	CT		58	FL	5,949,284	FL	74,076	FL	416,933	WA	84%	WA	82%					
TX	2,497	NY		313	NY	5,168,122	NY	68,344	NY	251,109	MN	84%	NM	81%					
PA	2,453	FL		165	IL	3,138,682	PA	44,677	GA	207,648	MO	83%	NH	81%					
ME	1,018	MI		114	PA	2,820,219	CH	38,428	CH	191,860	DE	82%	MA	80%					
IA	594	CA		162	CH	2,697,058	GA	37,806	PA	177,316	PA	82%	VT	80%					
CK	566	MN		49	NC	2,659,255	IL	36,047	IL	158,536	DC	81%	R	80%					
AZ	336	MD		40	GA	2,515,139	MI	36,002	MI	142,641	MD	81%	MI	78%					
KY	215	LA		26	MI	2,425,946	NJ	33,429	KY	133,179	WV	81%	NV	78%					
22,794			95	1,163	43,436,374			547,245			2,596,037			All states 70%		67%			
All states 23,685			531	2,187	All states 81,358,318			995,544			4,713,558			All states 70%		67%			
Top ten 96%			18%	53%	Top ten 53%			55%			55%			Median 75%		72%			

Some states not reporting

Five most improved US states

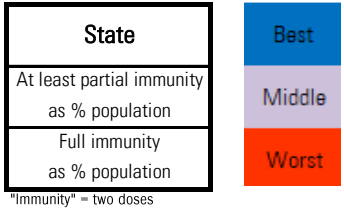
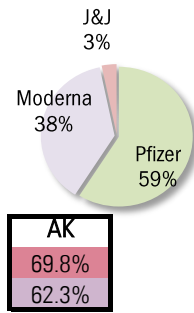
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-19,066	CA	-153	IL	-50	AZ	+10 bp
FL	-6,561	FL	-114	NY	-39	FL	+10 bp
IL	-5,955	KS	-38	NJ	-32	ID	+10 bp
WA	-4,922	IN	-17	VA	-31	MA	+10 bp
MA	-3,583	WA	-17	AL	-28	MO	+10 bp



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

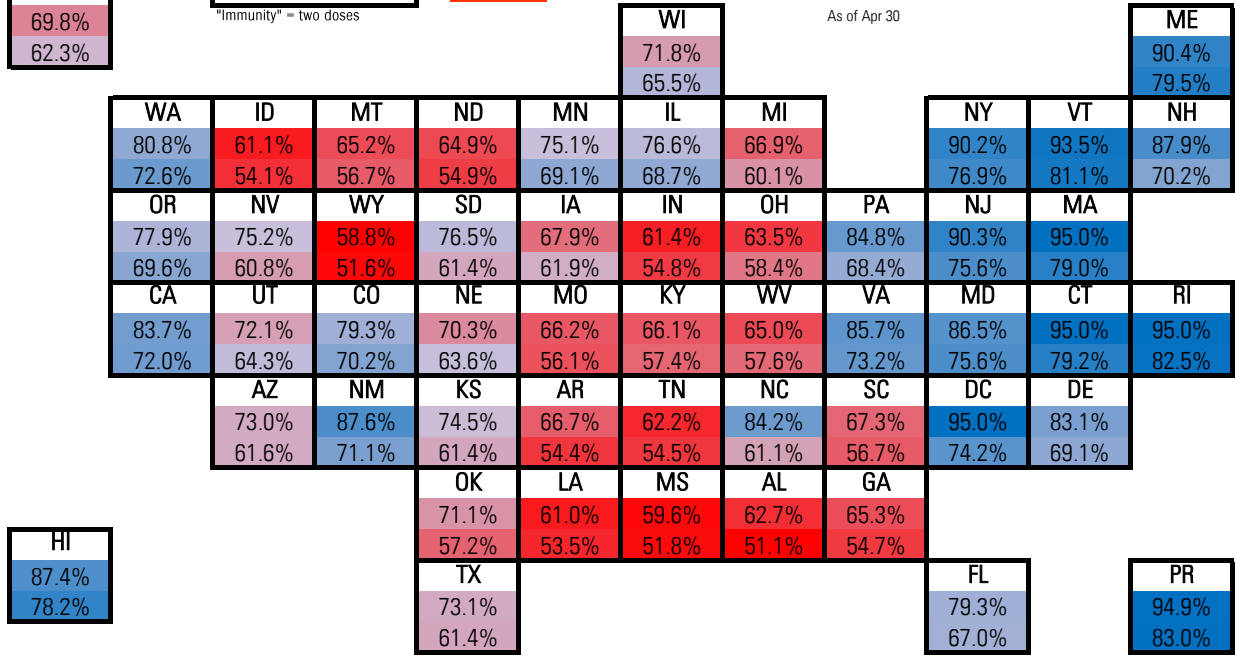
Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	591,036,239		+0.260 million	US	66.2%	77.6%
Boosters	101,901,572		+0.046 million	UK	72.9%	78.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	265,408,723	79%	225,975,115	68%	+0.034 million	France 77.9% 80.2%
Age 12 to 17	17,718,030	70%	15,110,063	60%	+0.002 million	Spain 86.5% 88.1%
Age 18 to 64	178,501,849	88%	151,406,034	74%	+0.016 million	Germany 76.8% 76.9%
Age 65 and over	58,890,439	100%	51,170,541	93%	+0.011 million	Italy 79.4% 84.1%

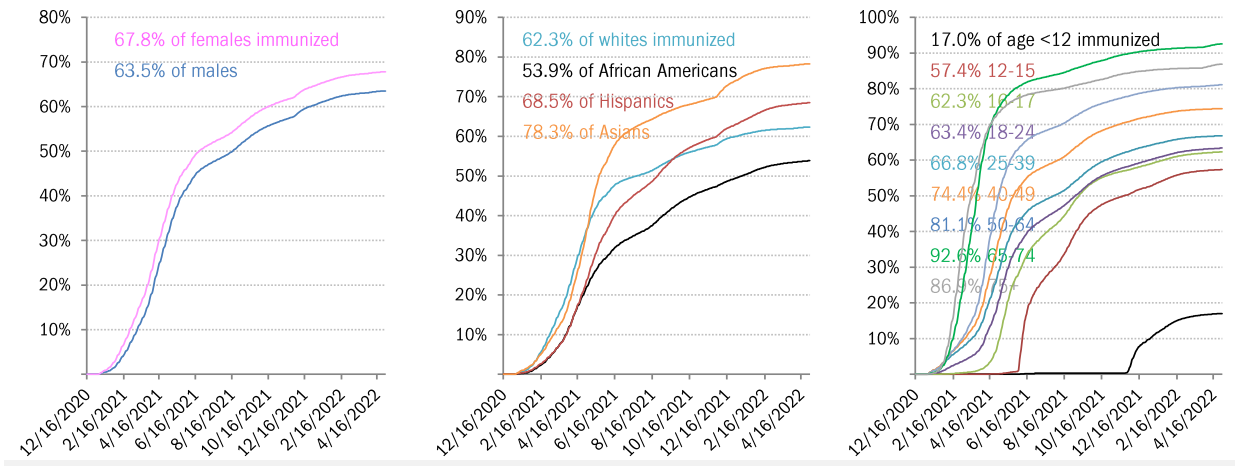


France	77.9%	80.2%
Spain	86.5%	88.1%
Germany	76.8%	76.9%
Italy	79.4%	84.1%
Australia	83.5%	86.4%
Israel	66.0%	72.2%
Canada	82.2%	88.7%
Japan	80.5%	81.8%
Africa	16.6%	22.0%
India	61.6%	72.0%
Brazil	76.6%	85.3%
China	86.5%	89.0%

Global data differs due to sources, timing



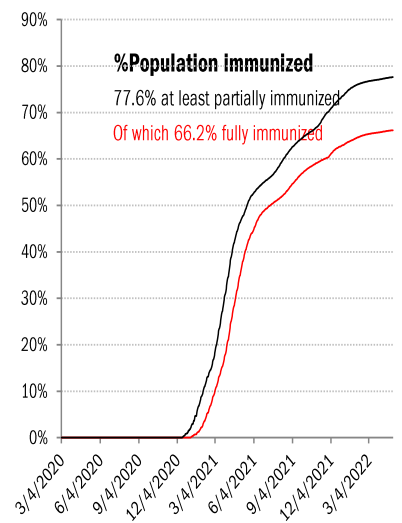
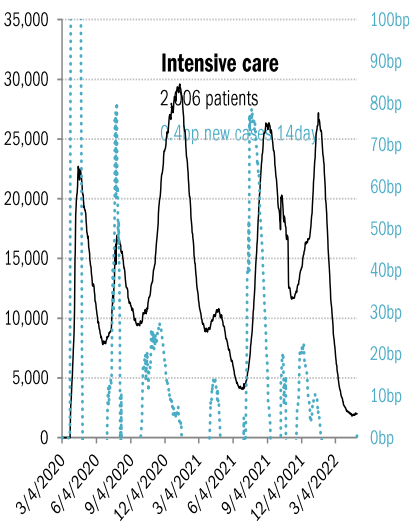
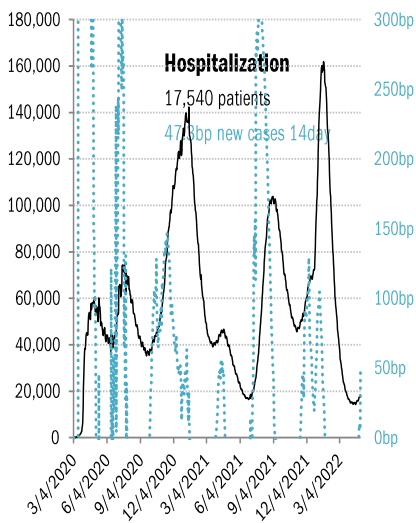
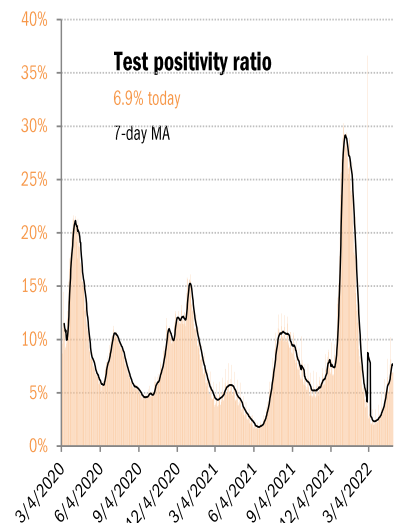
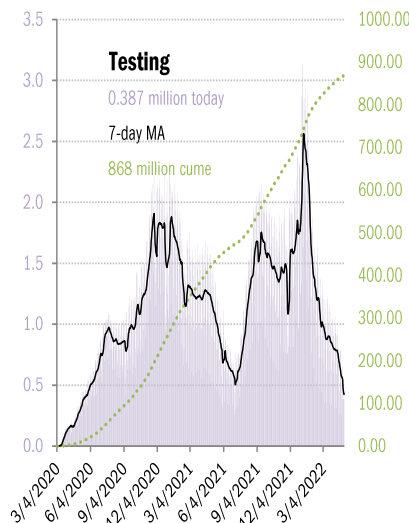
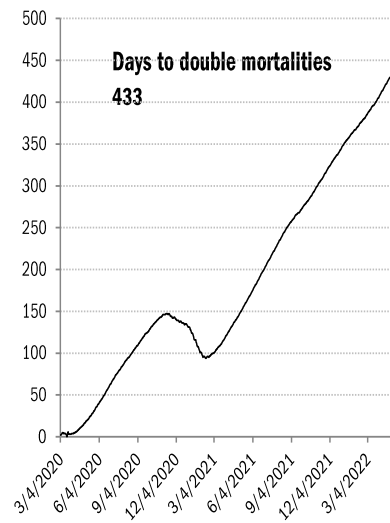
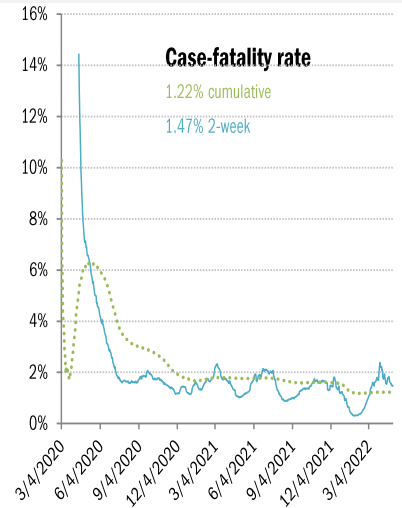
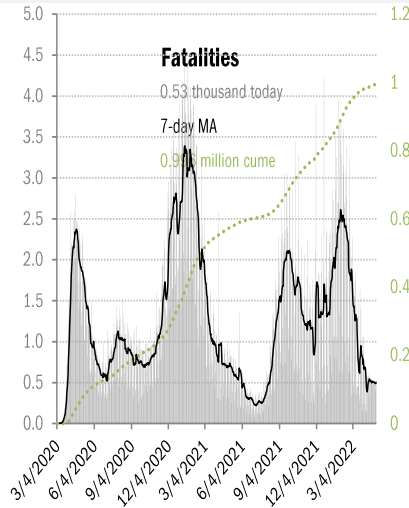
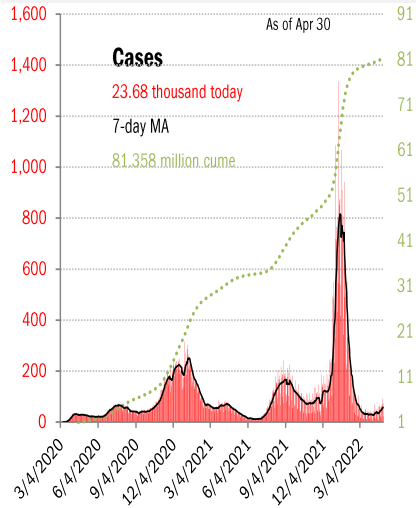
The demographics of US vaccination



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

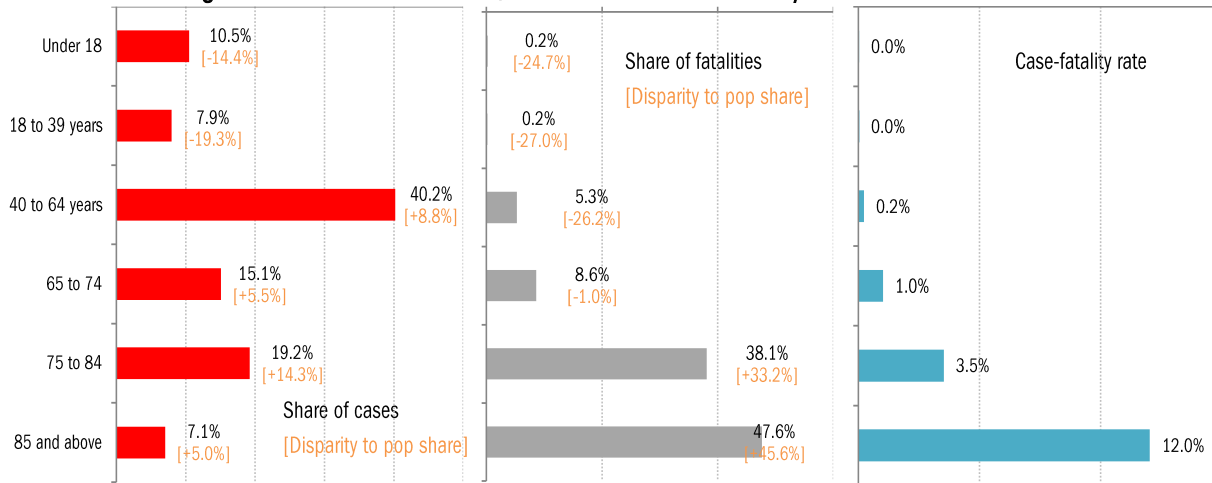
US deep-dive

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

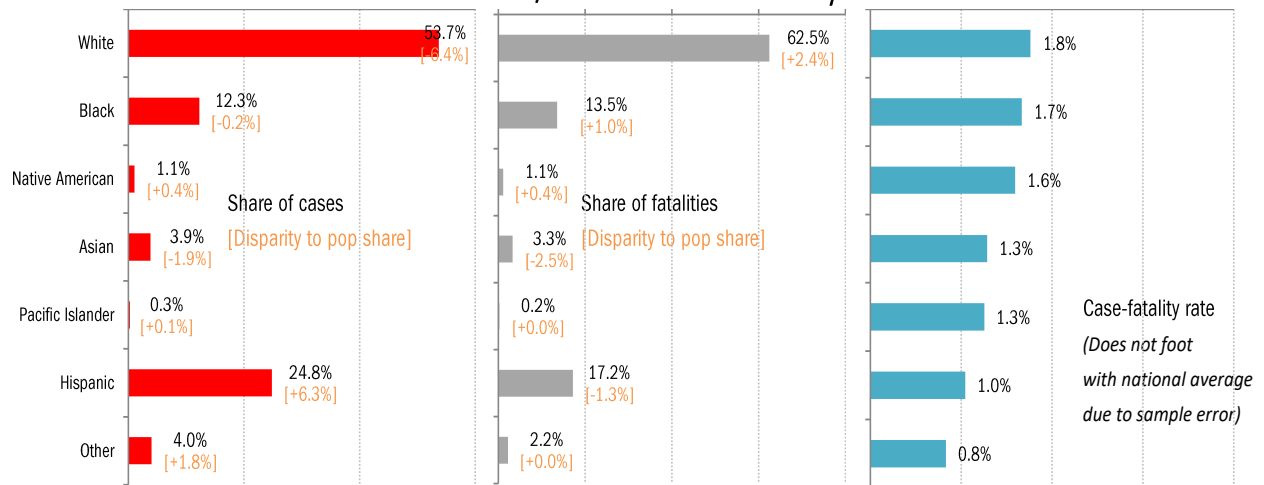


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

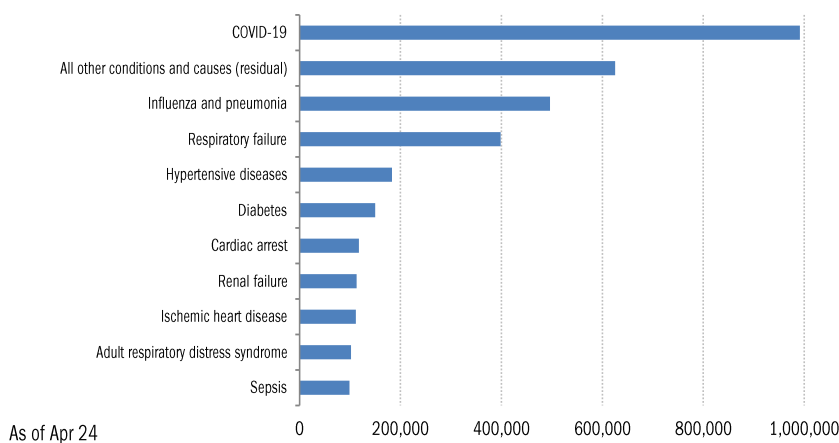


Racial distribution of US cases, fatalities and case-fatality rates



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

[A robot dog issuing COVID-19 safety instructions is roaming the streets of locked down Shanghai](#)

Bethany Dawson
Insider
April 3, 2022

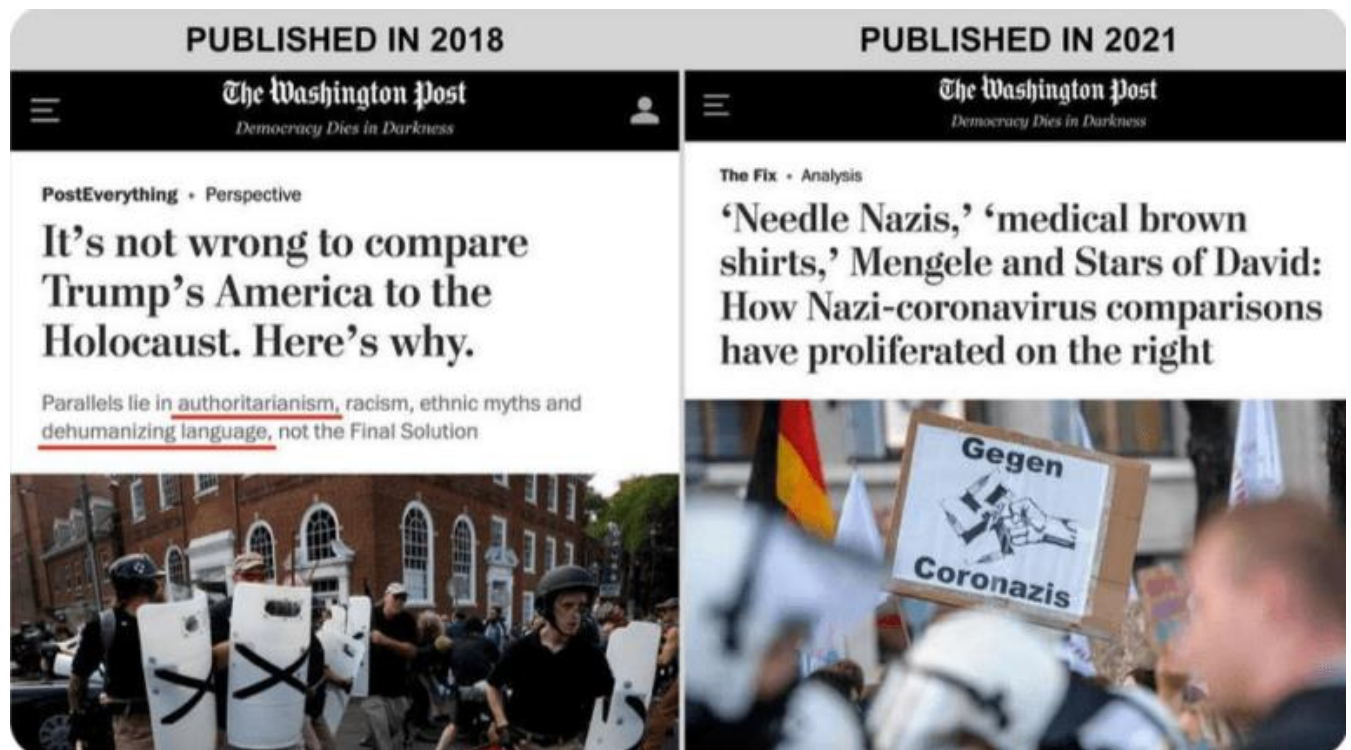
[HHS Agencies Need to Develop Procedures and Train Staff on Reporting and Addressing Political Interference](#)

Government Accountability Office
April 20, 2022

[Omicron sub-lineages BA.4/BA.5 escape BA.1 infection elicited neutralizing immunity](#)

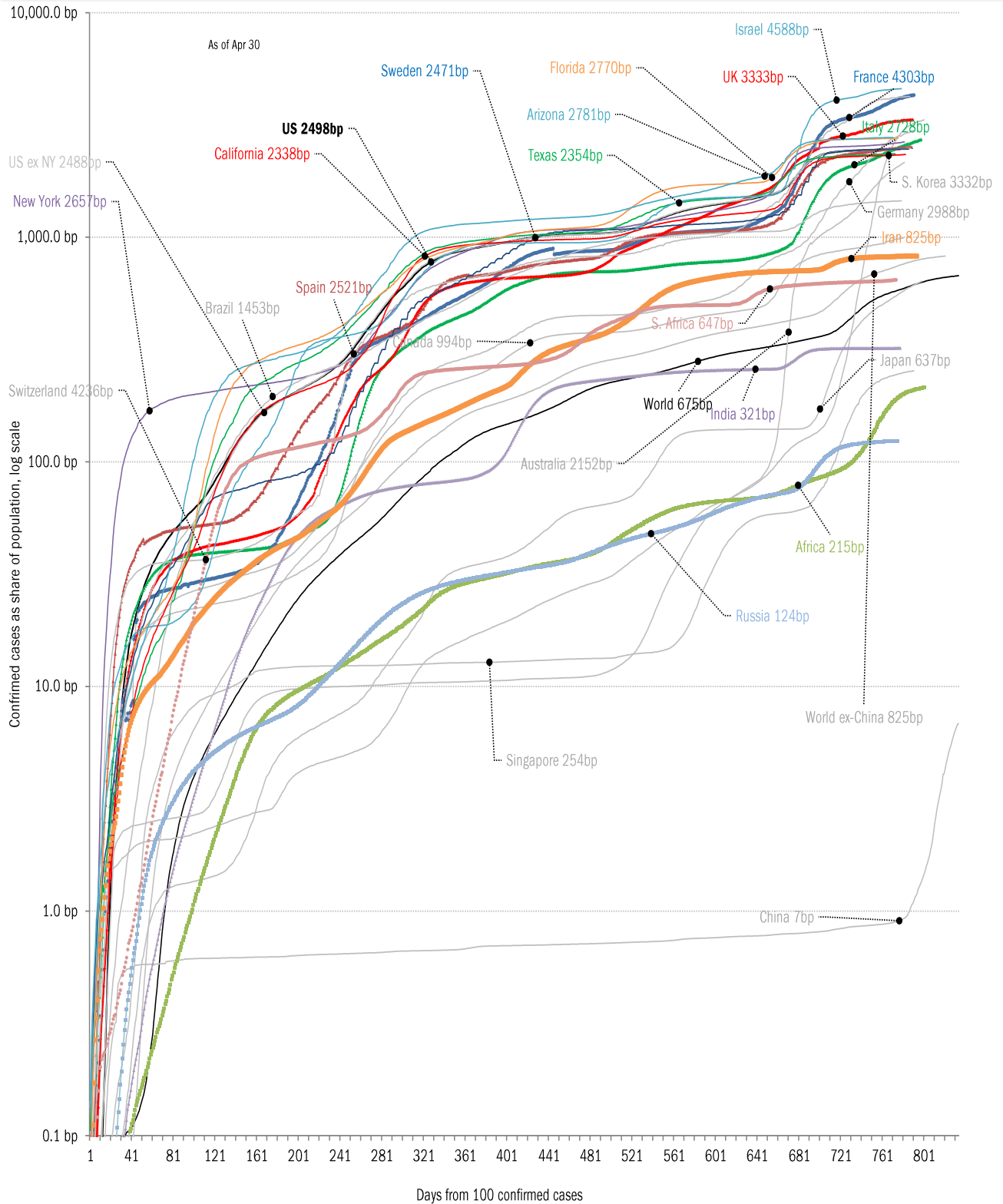
Khadija Khan
Sigal Lab
May 1, 2022

Meme of the day



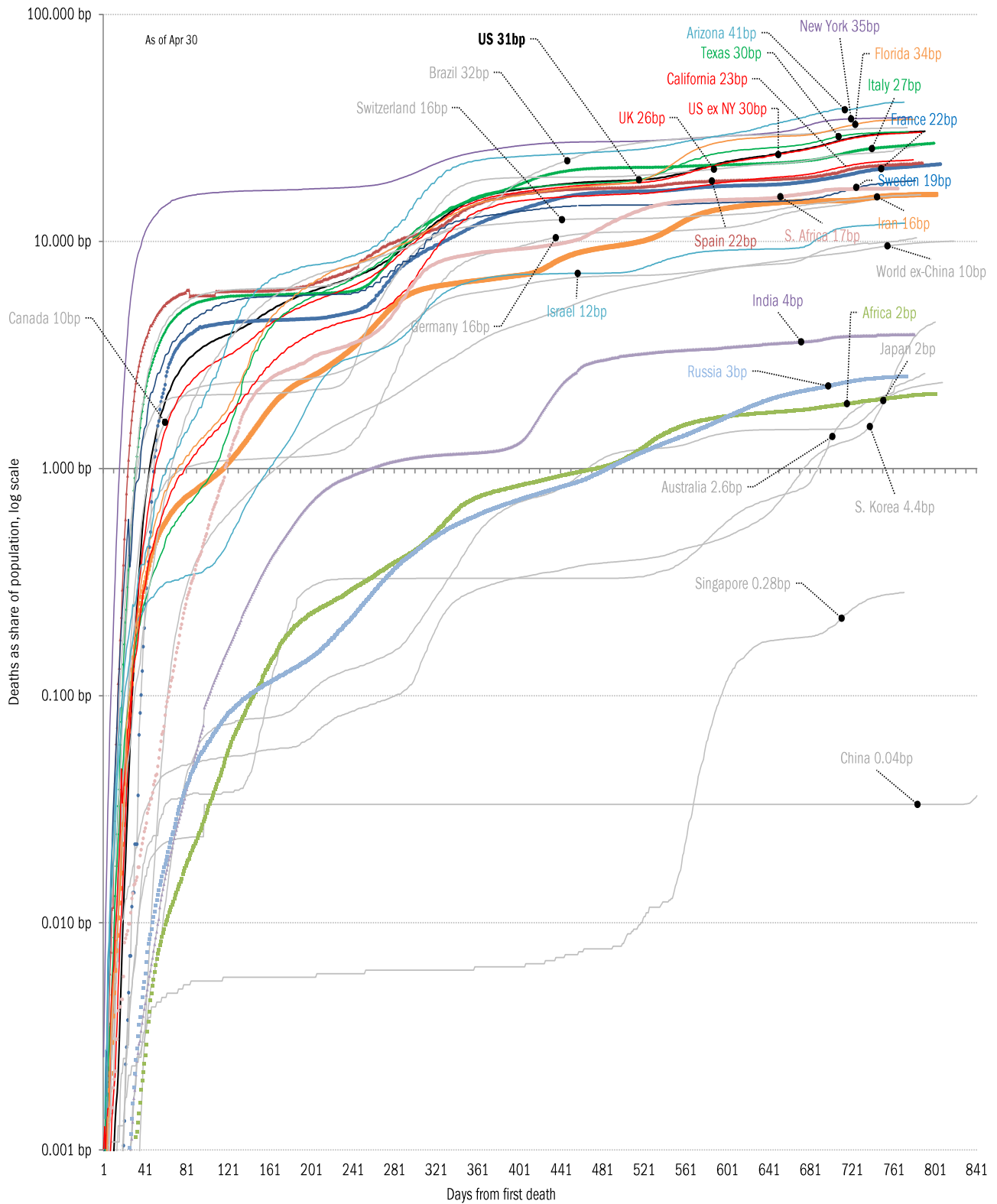
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

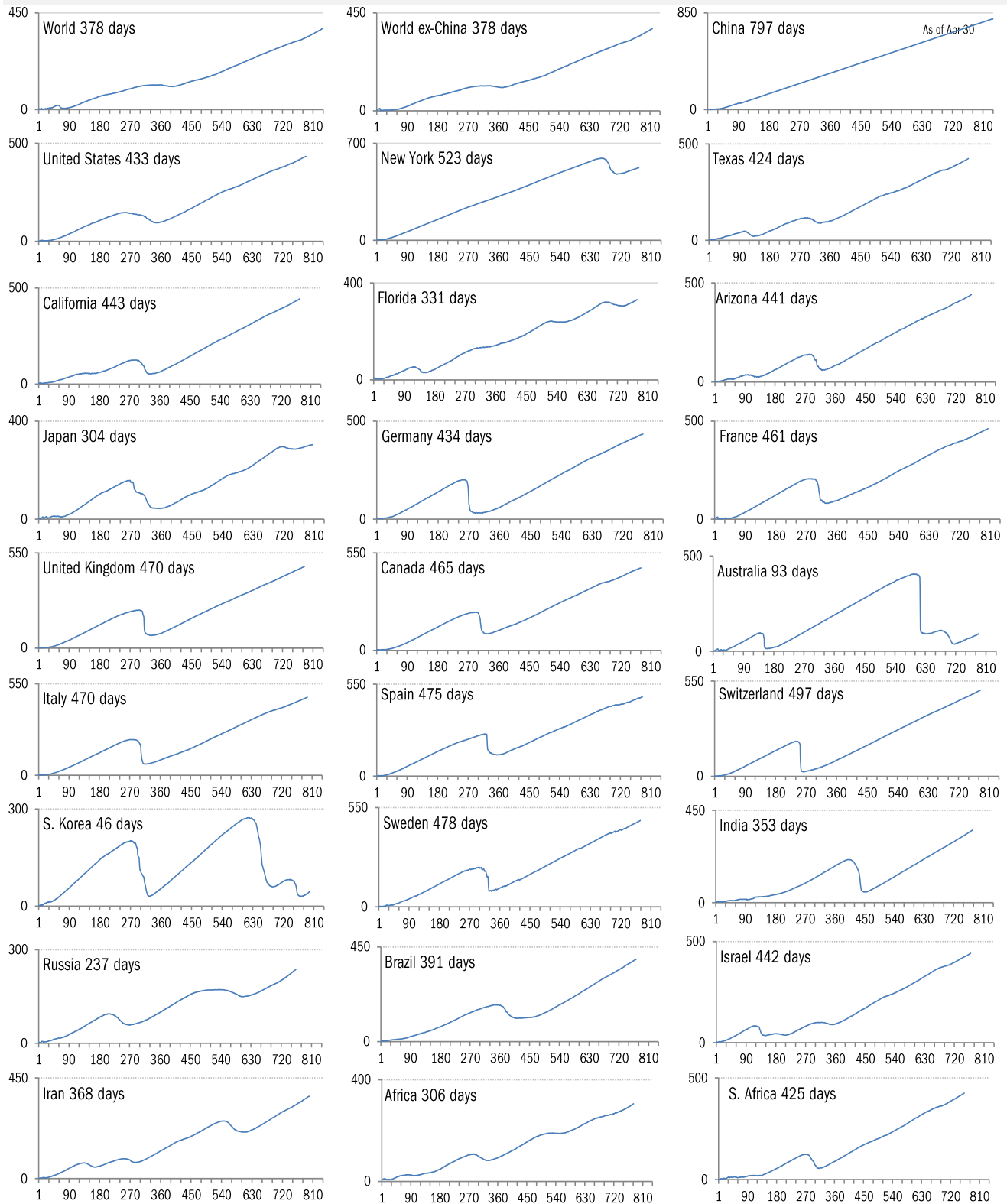


Source: [Johns Hopkins](#), TrendMacro calculations

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

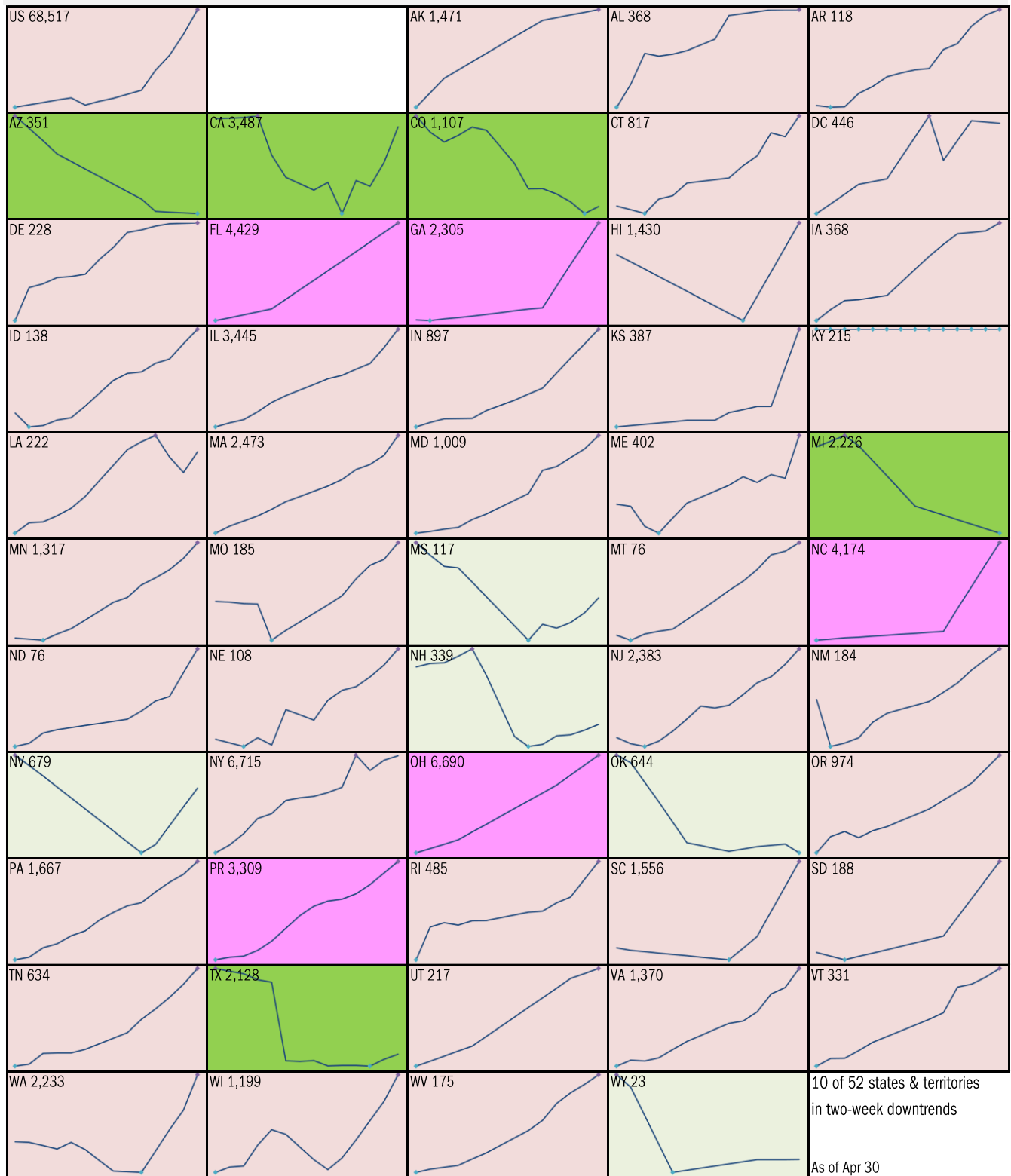


Source: [Johns Hopkins](#), TrendMacro calculations

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

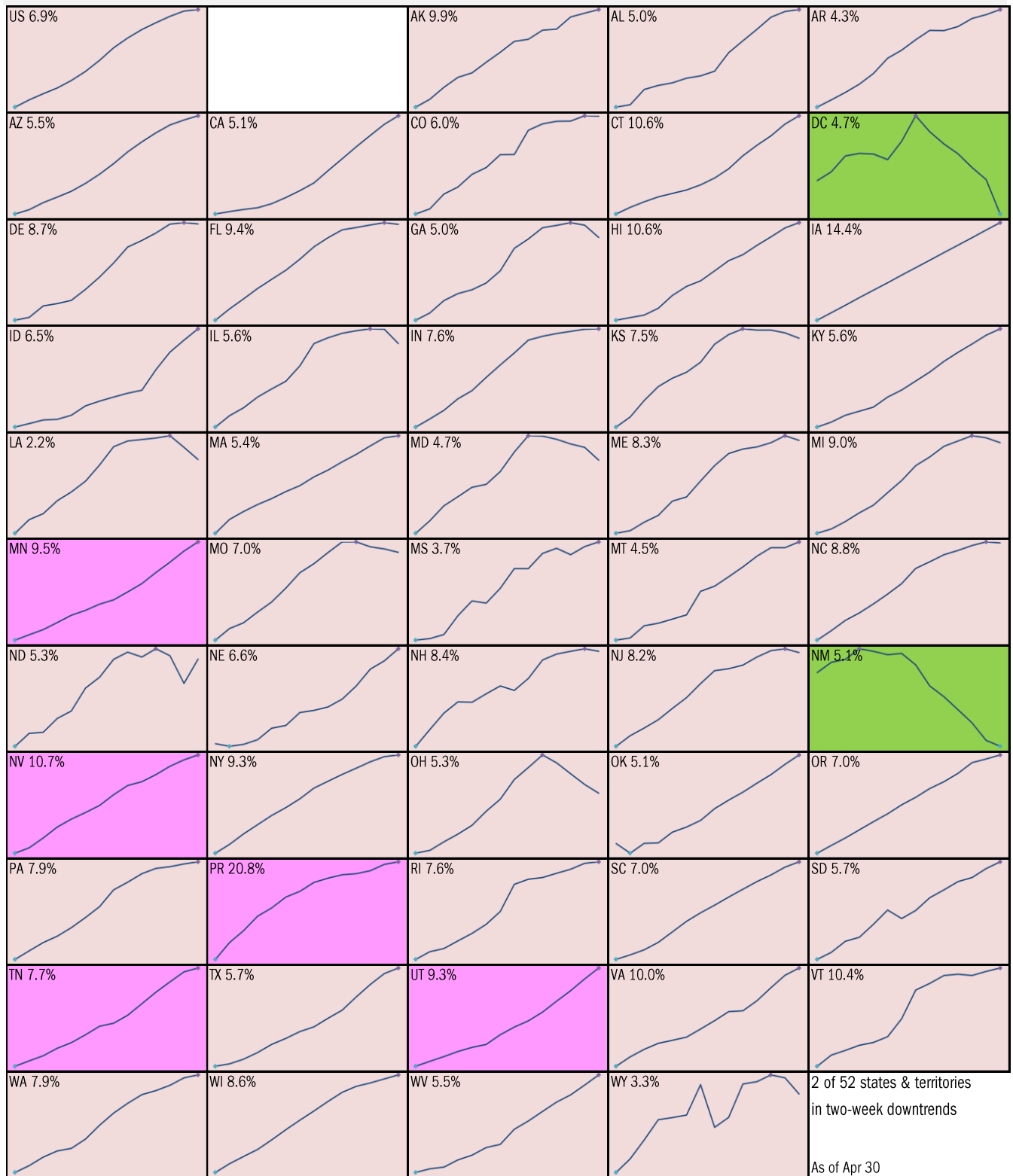


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in **test-positivity ratio**

14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

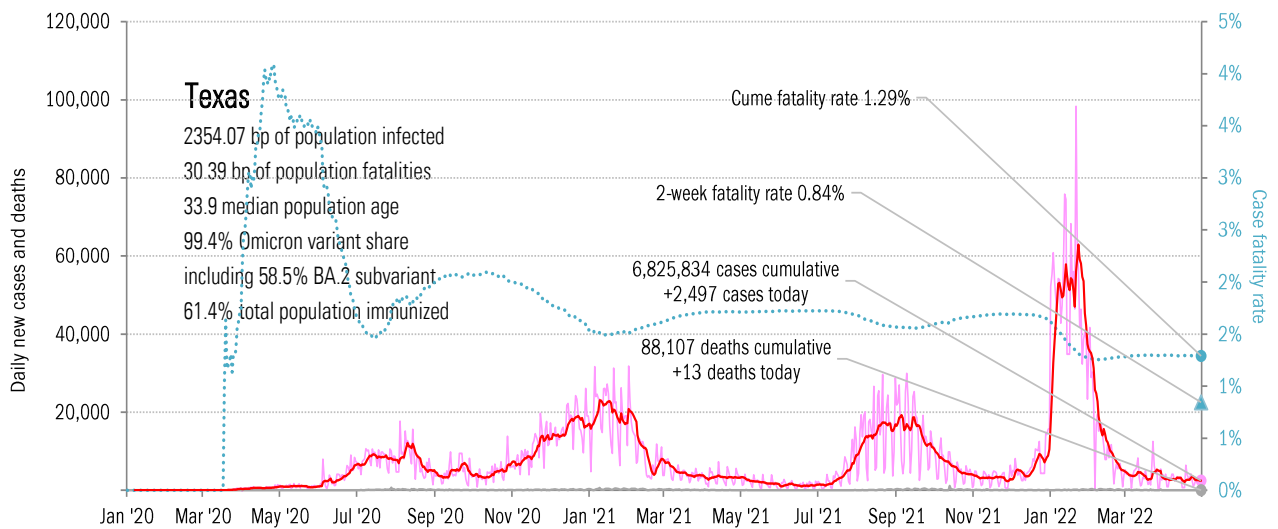
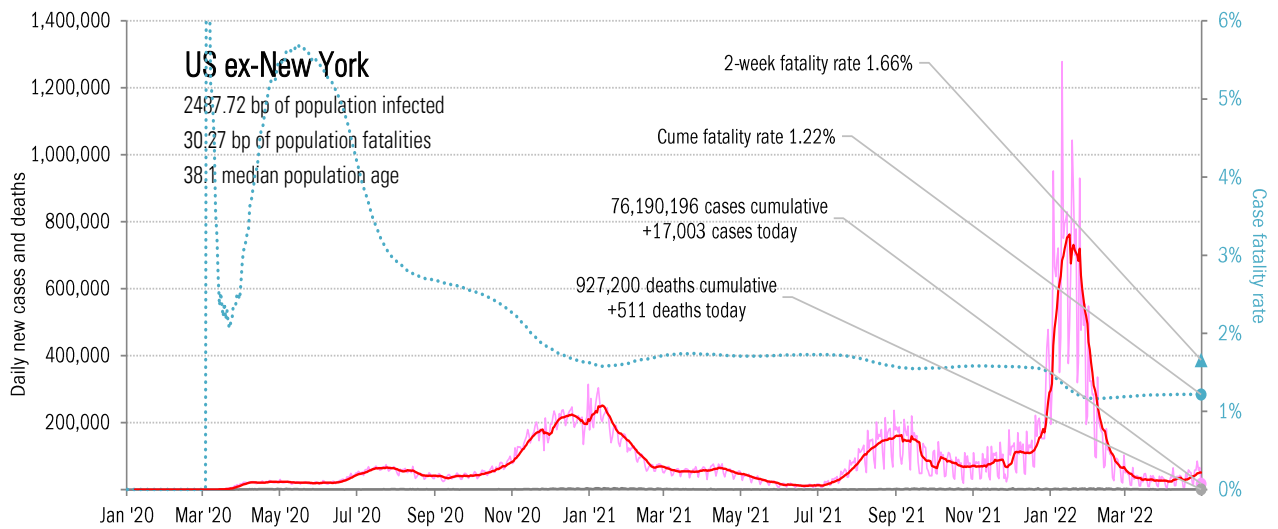
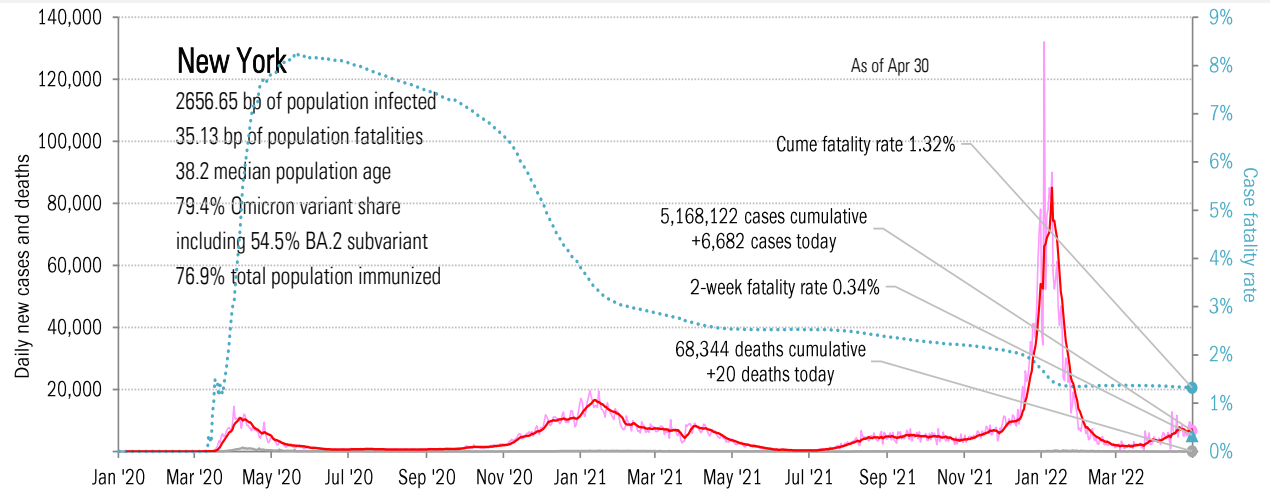
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

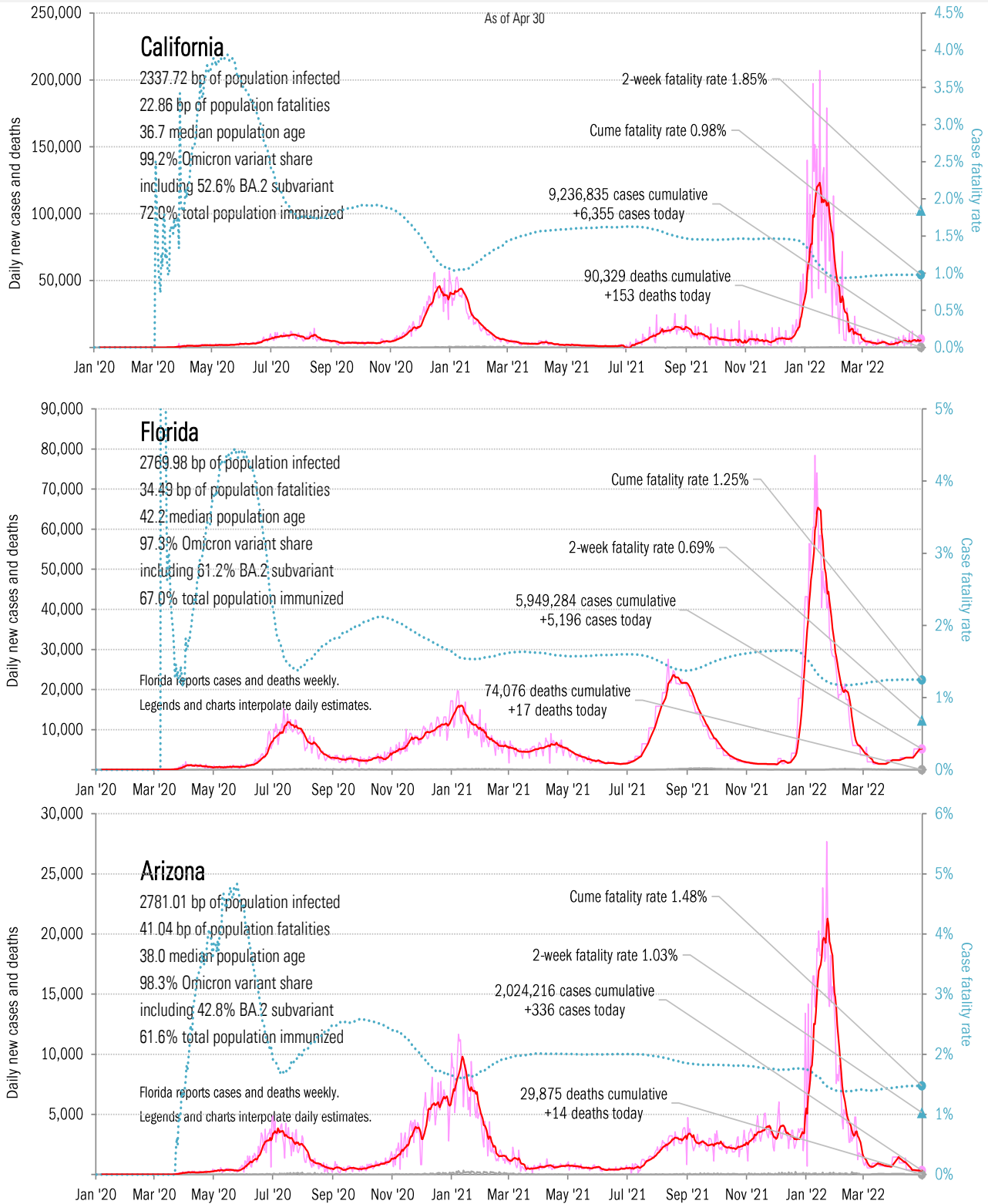
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

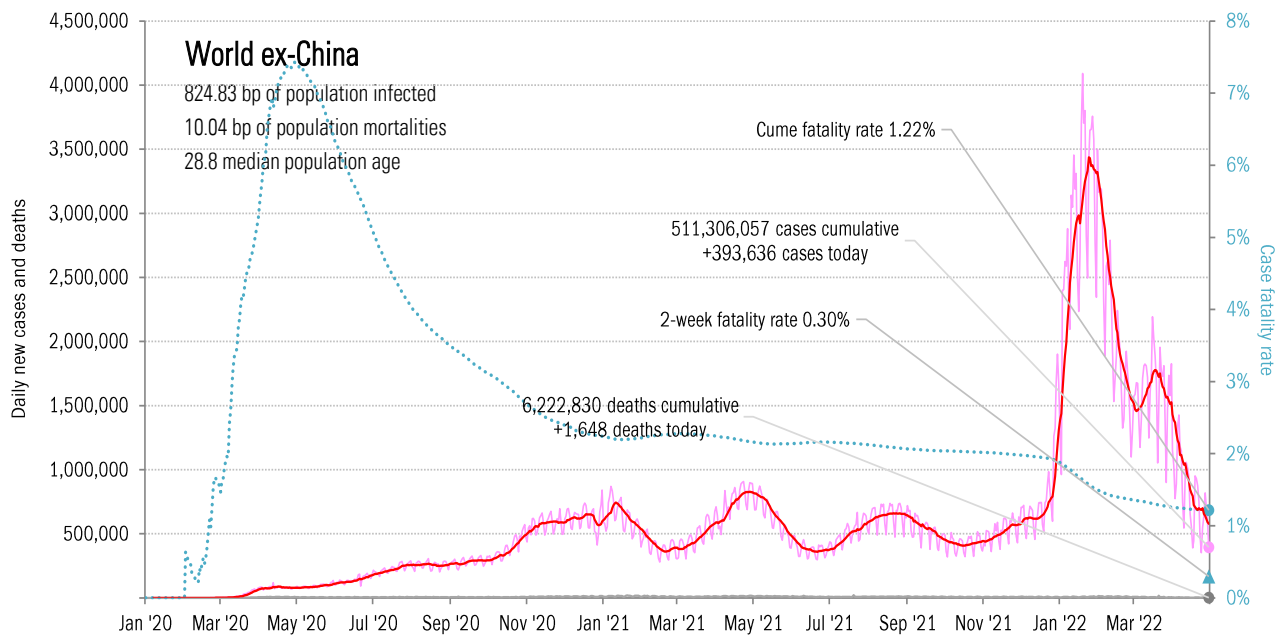
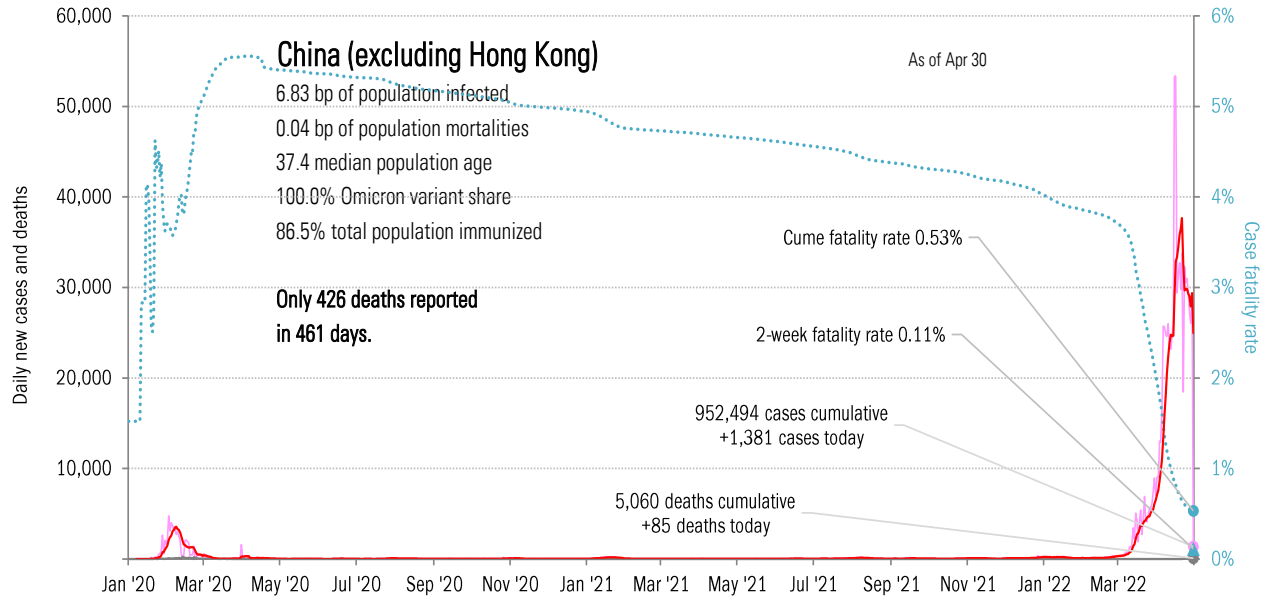
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

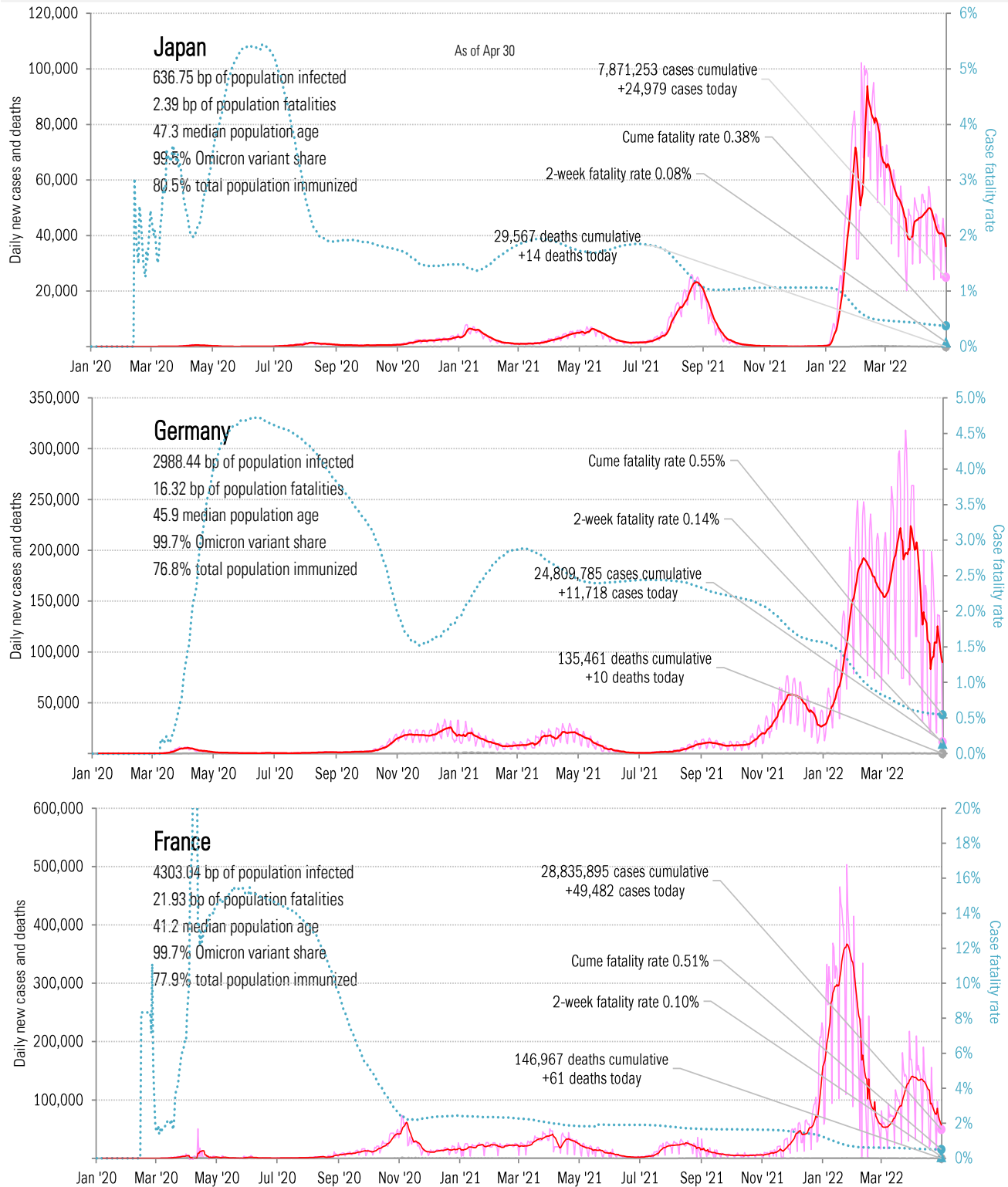
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

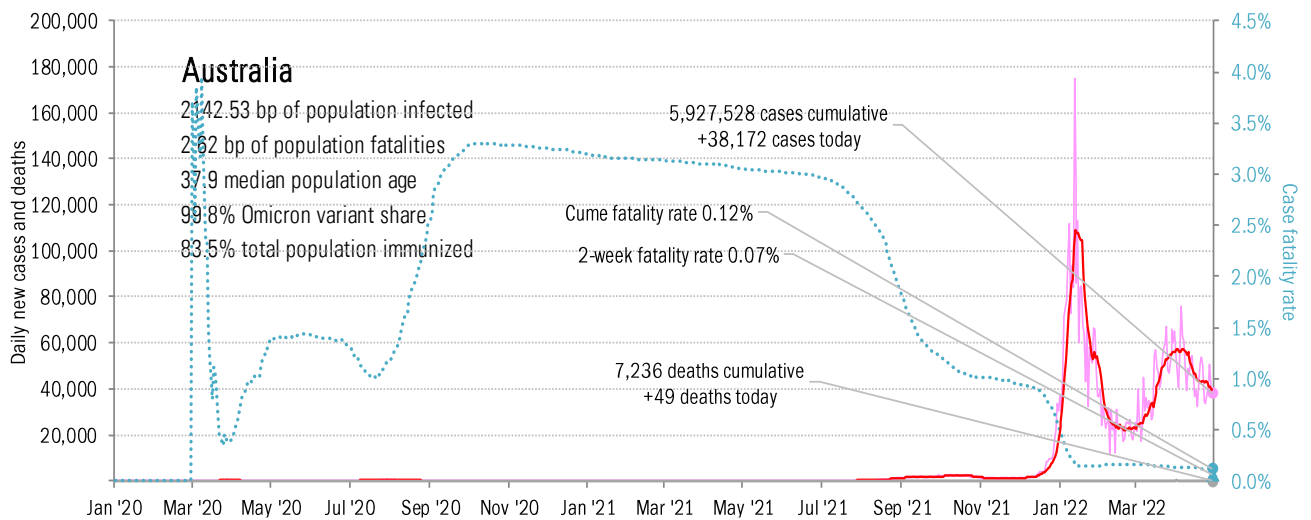
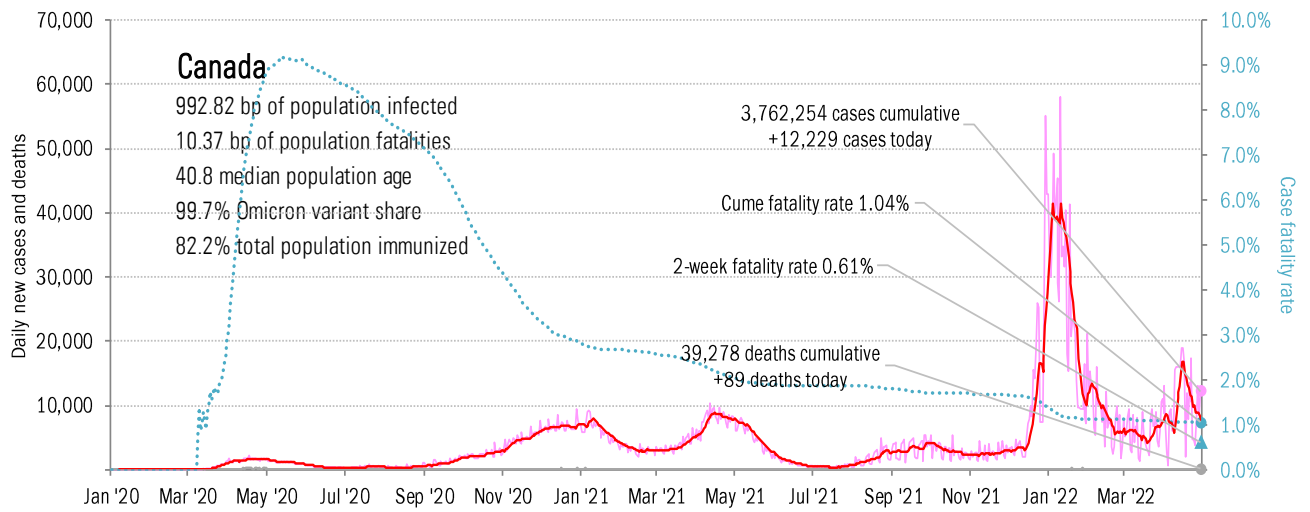
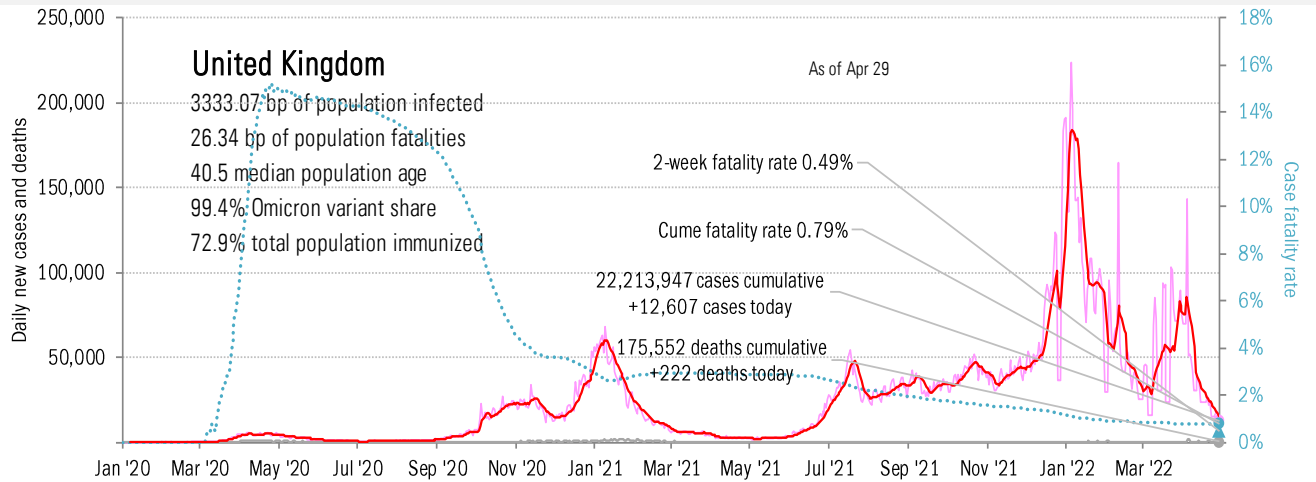
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

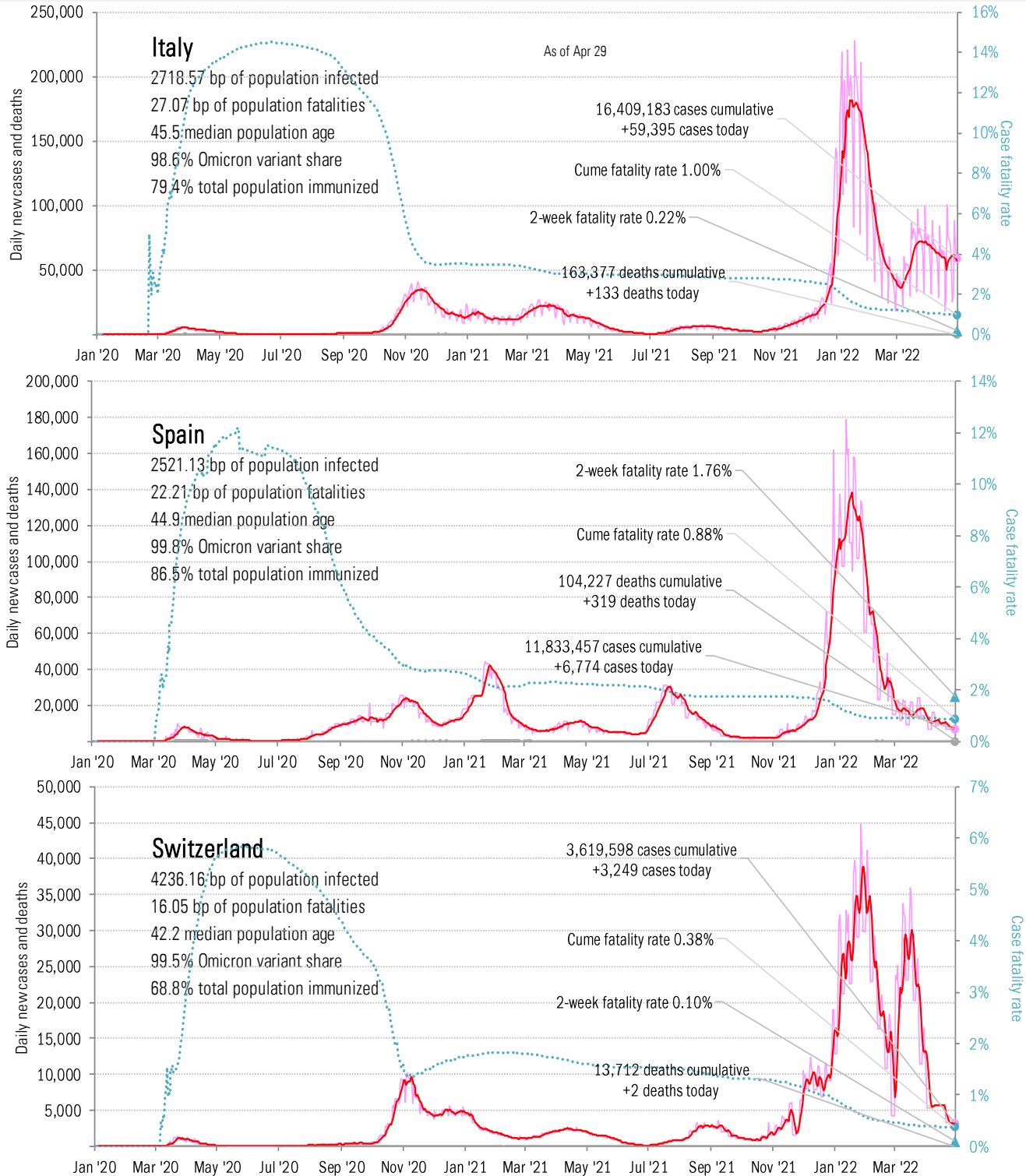
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

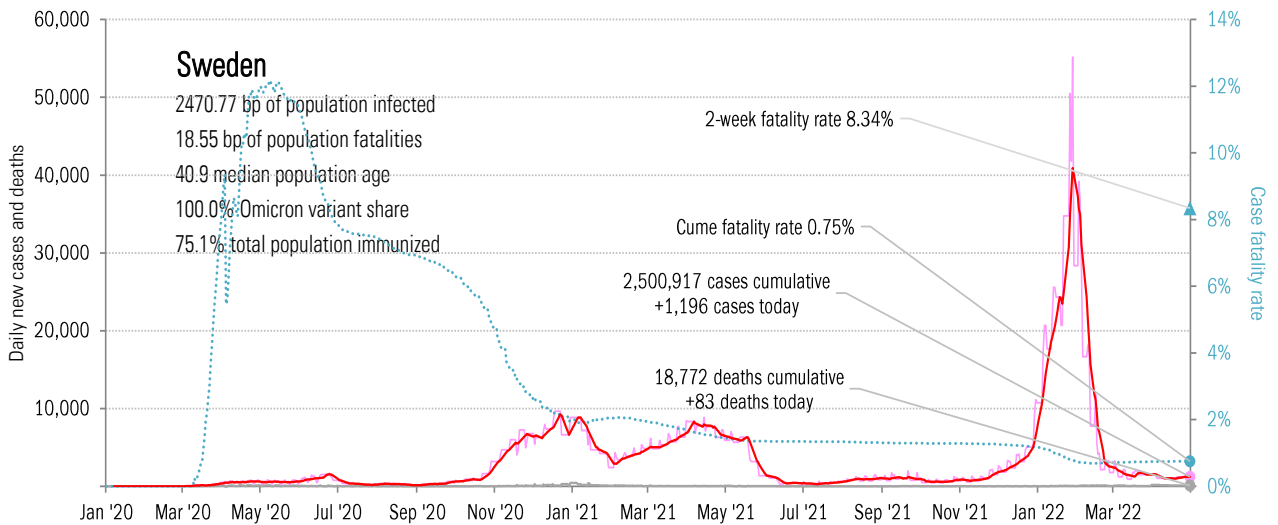
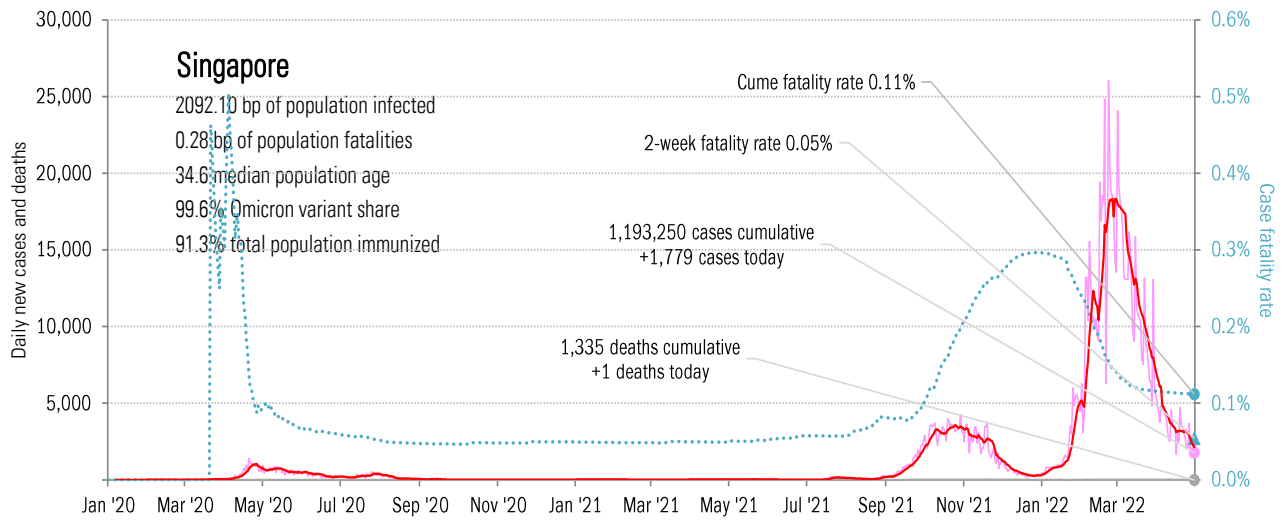
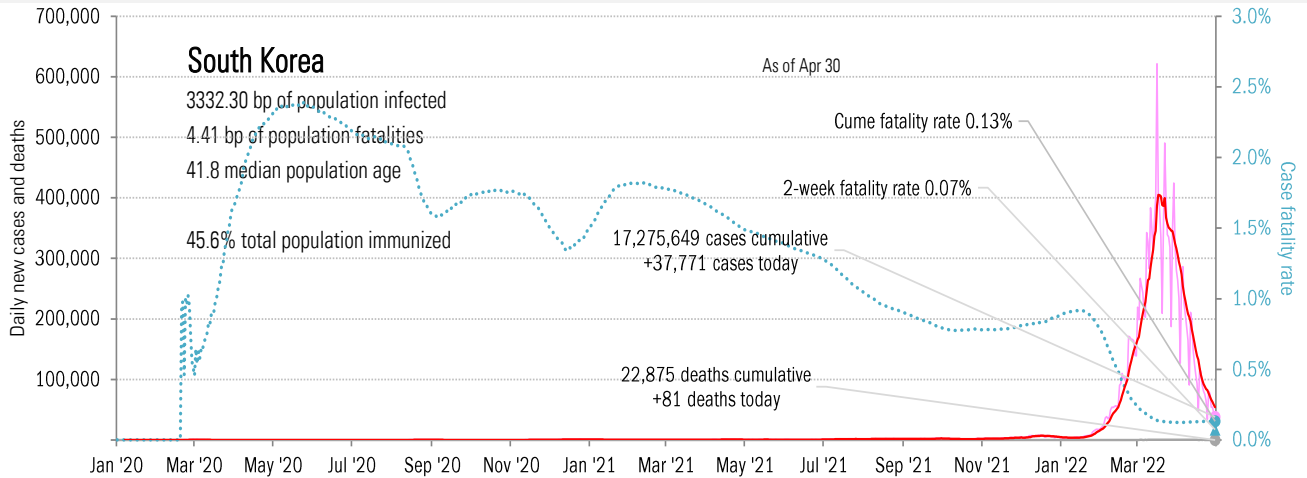
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

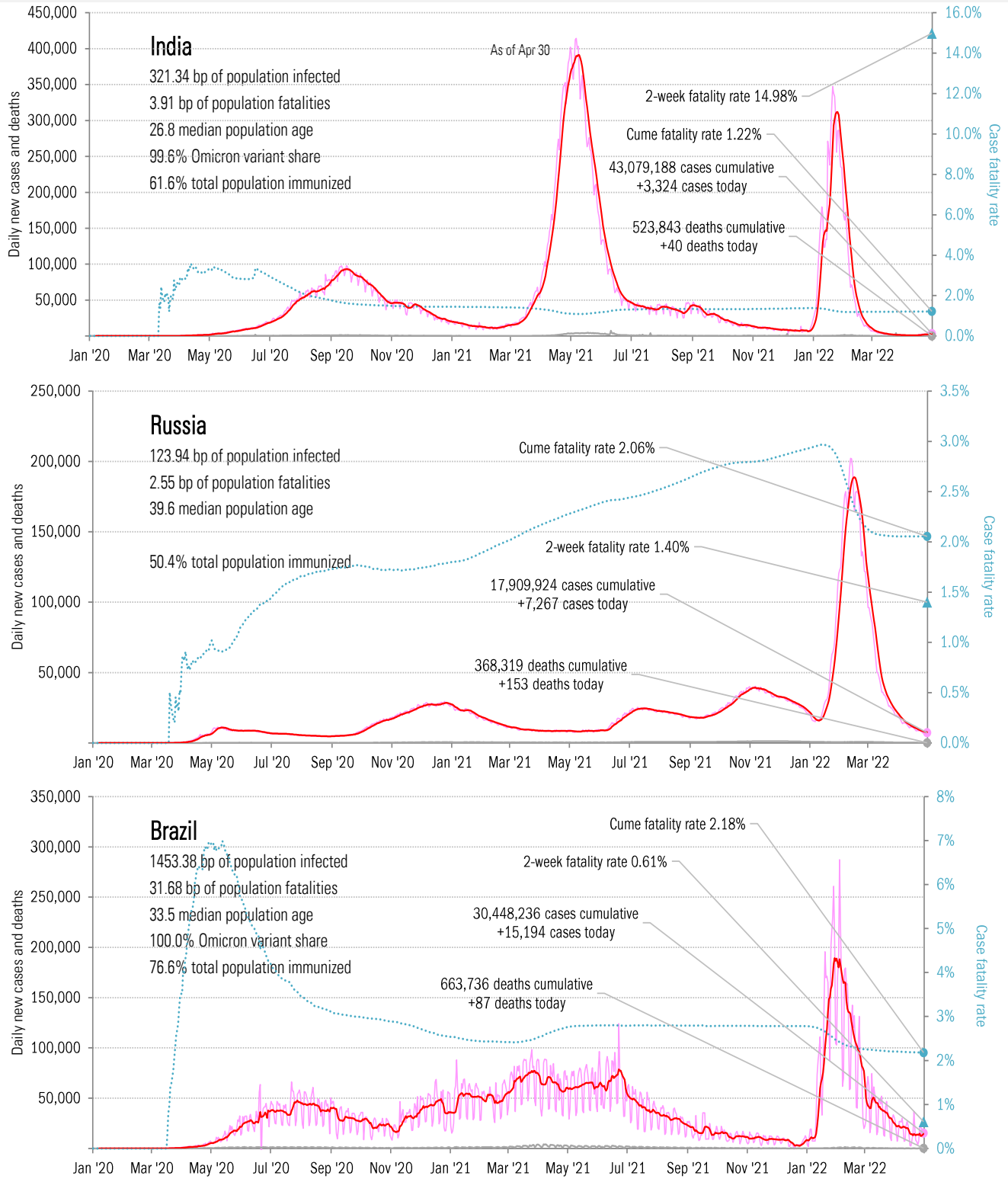
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

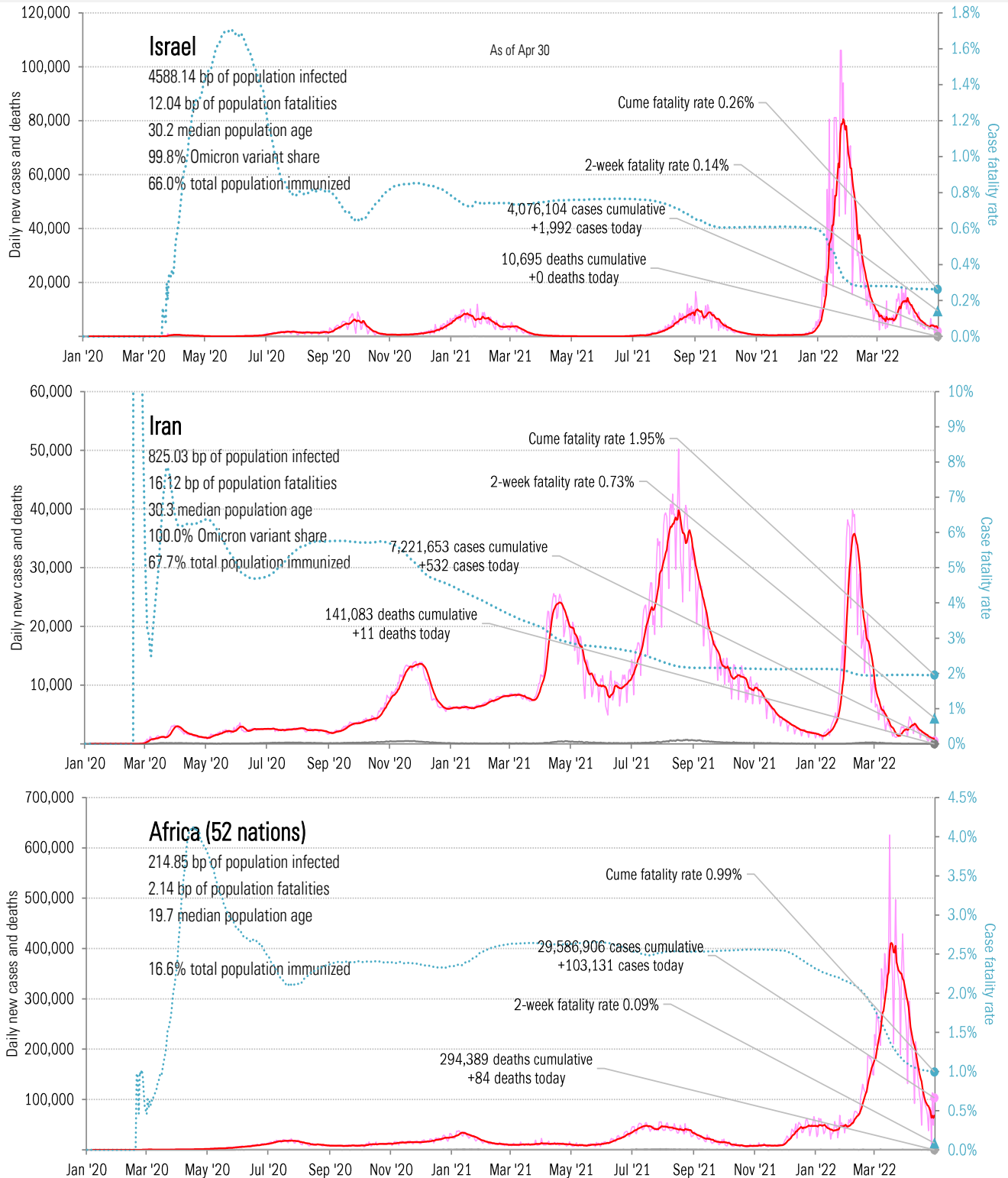
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

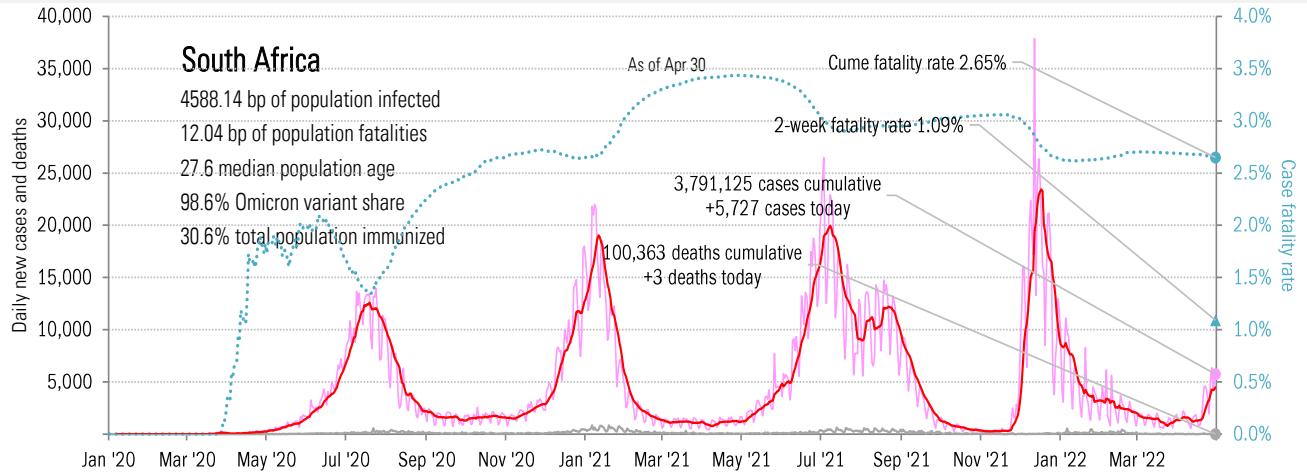
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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