

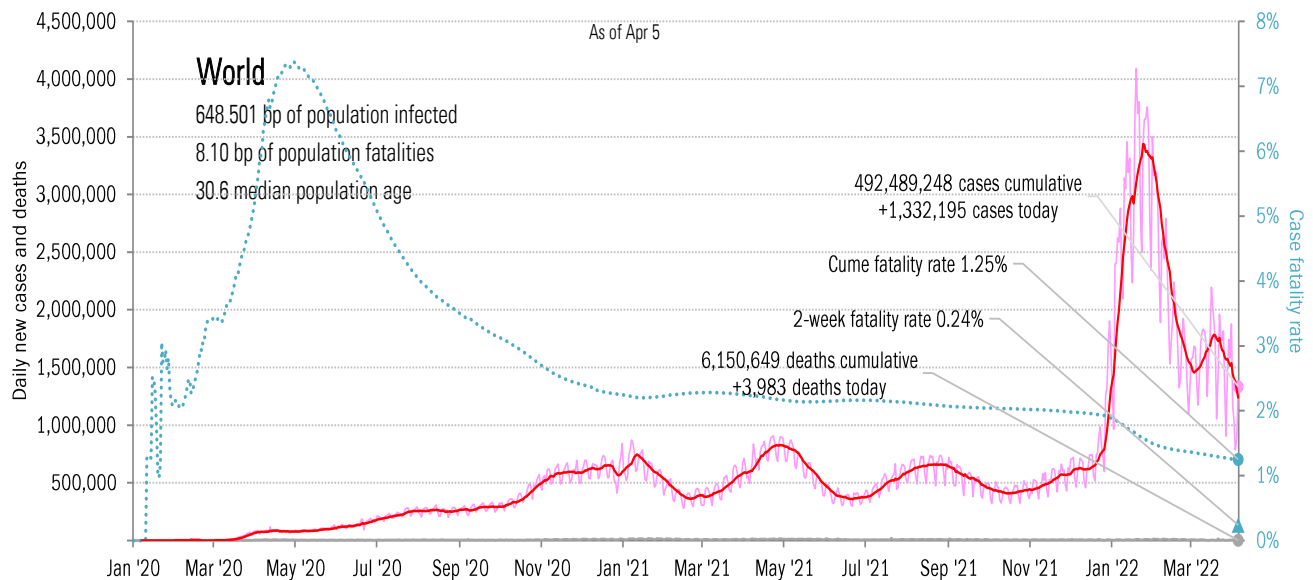
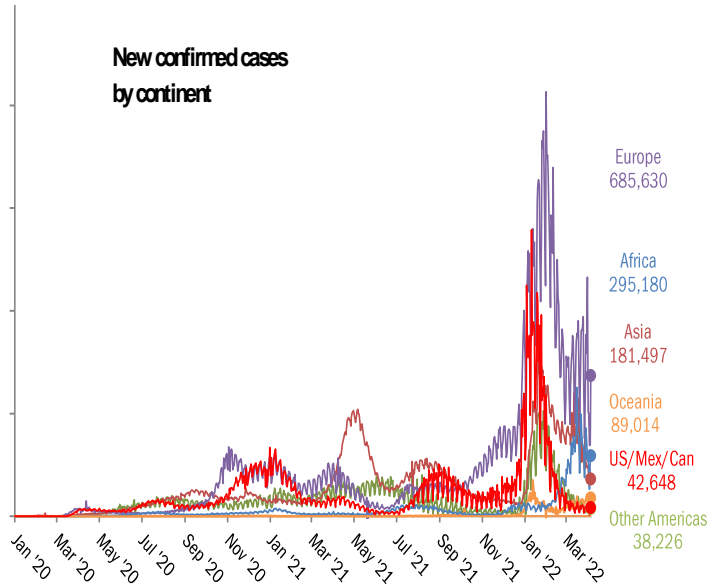
Data Insights: Covid-2019 Monitor

Wednesday, April 6, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Korea, South	286,243	United States	537
France	209,752	United Kingdom	373
Germany	180,397	Korea, South	371
Italy	88,914	Germany	316
Australia	75,797	Russia	309
Vietnam	54,995	Indonesia	257
United Kingdom	51,042	Brazil	216
Japan	45,582	Italy	194
United States	29,521	France	133
Brazil	26,915	Tunisia	102
1,049,158		2,808	
World	1,332,195	World	3,983
Top ten	79%	Top ten	71%



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

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

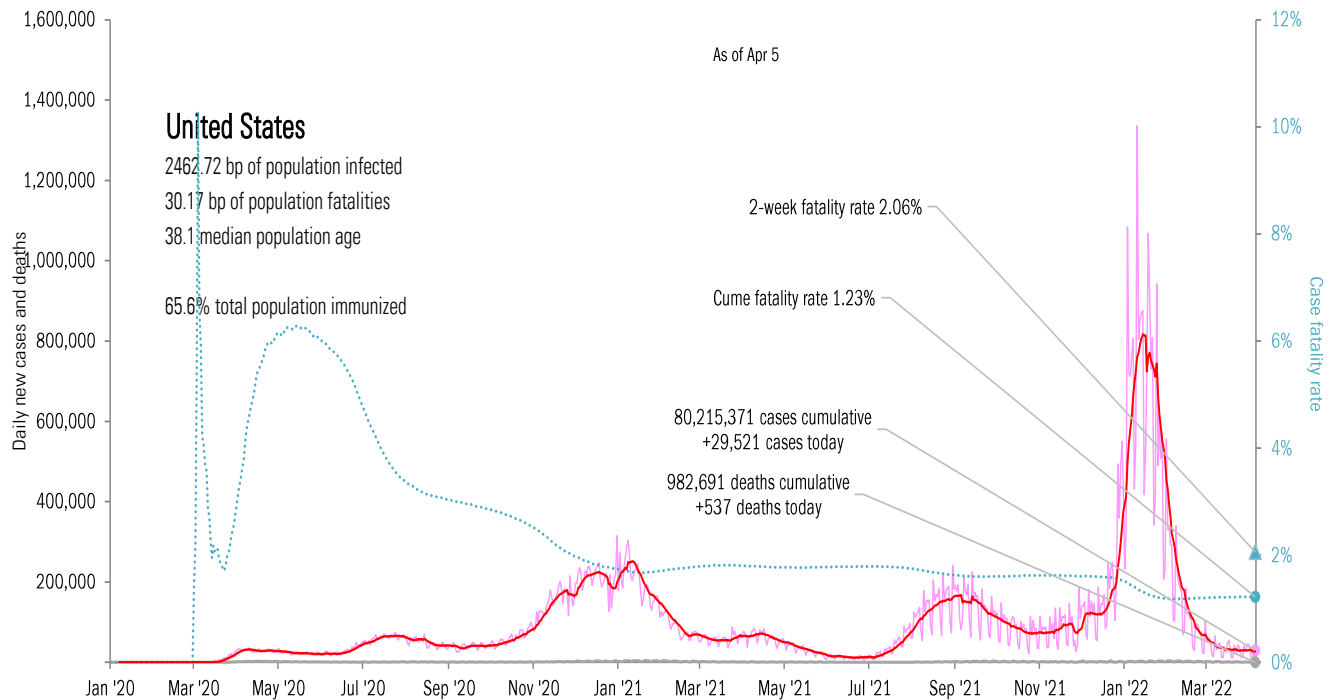
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	7,193		CA	102	MT	29	CA	9,119,237	CA	89,154	TX	487,556	RI	87%	VT	94%					
TX	2,381		SC	59	NY	136	TX	6,738,689	TX	87,509	CA	423,187	MA	82%	NM	81%					
NY	2,309		GA	50	CT	29	FL	5,891,565	FL	73,458	FL	413,708	WA	81%	RI	80%					
OK	2,043		FL	39	AZ	47	NY	5,012,350	NY	68,015	NY	245,517	MO	79%	TX	80%					
IL	1,799		IL	34	MA	33	IL	3,074,435	PA	44,348	GA	206,697	MN	79%	DC	79%					
NJ	1,610		VA	34	MO	29	PA	2,784,487	CH	38,042	CH	190,222	PA	79%	MA	79%					
SC	1,566		PA	32	FR	5	CH	2,672,801	GA	37,177	PA	175,681	DE	78%	AK	79%					
MA	1,211		TX	29	VT	4	NC	2,633,131	IL	35,867	IL	156,650	DC	78%	DE	79%					
CO	1,130		AL	28	AS	2	GA	2,501,688	MI	35,706	MI	140,794	MD	78%	KY	77%					
MN	1,087		NM	22	MD	20	MI	2,389,506	NJ	33,264	KY	132,663	H	77%	OR	76%					
22,329			429			334			42,817,889			542,540			2,572,675						
All states 29,736			537			1,220			All states 80,215,371			982,691			4,671,587			All states 70%		67%	
Top ten 75%			80%			27%			Top ten 53%			55%			55%			Median 72%		70%	

Some states not reporting

Five most improved US states

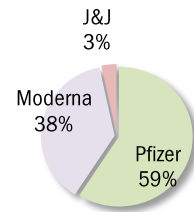
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-6,561	WV	-99	FL	-62	DE	+10 bp
WA	-2,160	FL	-89	PA	-46	ID	+10 bp
NY	-1,914	GA	-20	IN	-29	KS	+10 bp
MA	-1,885	NC	-18	NV	-21	MD	+10 bp
NC	-1,477	MD	-12	OK	-15	NJ	+10 bp



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	578,000,890		+0.250 million	US	65.6%	77.0%
Boosters	99,443,746		+0.051 million	UK	72.5%	77.5%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	263,516,493	79%	224,205,501	67%	+0.037 million	France 77.8% 80.1%
Age 12 to 17	17,576,505	69%	14,997,818	59%	+0.002 million	Spain 86.1% 88.0%
Age 18 to 64	177,480,041	87%	150,535,370	74%	+0.017 million	Germany 75.3% 75.9%
Age 65 and over	58,378,945	100%	50,593,564	92%	+0.012 million	Italy 79.3% 84.0%



State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

AK
69.4%
61.8%

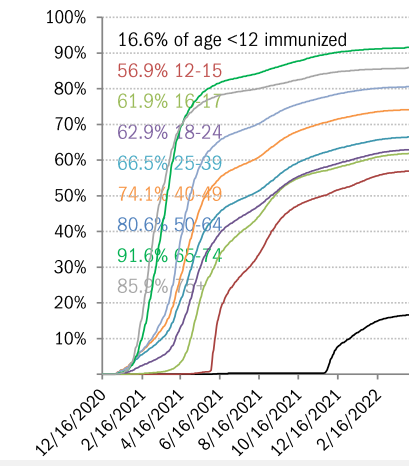
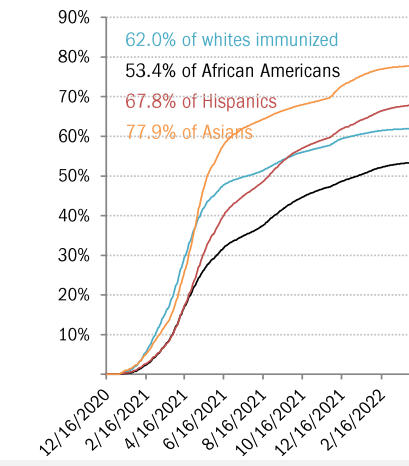
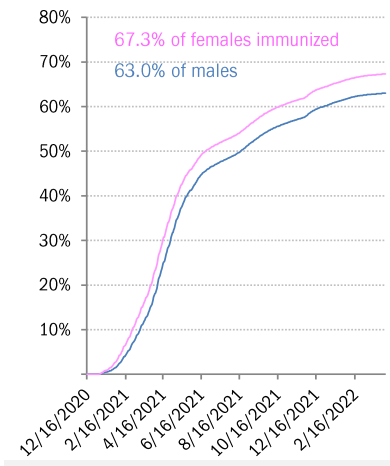
Israel	66.0%	72.2%
Canada	82.0%	86.0%
Japan	79.9%	81.5%
Africa	15.3%	20.5%
India	59.8%	71.1%
Brazil	75.3%	84.8%
China	85.9%	88.3%

Global data differs due to sources, timing

As of Apr 5

State	Full Immunity %	Partial Immunity %
AK	69.4%	61.8%
WI	71.5%	65.1%
ME	89.7%	78.9%
WA	80.4%	72.2%
ID	60.8%	53.7%
MT	64.9%	56.5%
ND	64.7%	54.7%
MN	74.8%	68.8%
IL	76.4%	68.3%
MI	66.7%	59.8%
NY	89.7%	76.3%
VT	93.1%	80.7%
NH	90.3%	69.5%
OR	77.5%	69.2%
NV	74.7%	60.3%
WY	58.5%	51.2%
SD	75.7%	60.6%
IA	67.7%	61.6%
IN	61.1%	54.6%
OH	63.3%	58.1%
PA	84.2%	67.7%
NJ	89.8%	75.1%
MA	95.0%	78.3%
CA	82.6%	71.2%
UT	71.8%	63.9%
CO	78.9%	69.8%
NE	70.0%	63.2%
MO	65.9%	55.7%
KY	65.8%	57.1%
WV	64.7%	57.2%
VA	85.1%	72.7%
MD	85.9%	75.1%
CT	94.8%	78.5%
RI	95.0%	81.7%
AZ	72.4%	61.0%
NM	86.9%	70.5%
KS	74.1%	60.9%
AR	66.2%	54.0%
TN	61.8%	54.1%
NC	83.3%	60.1%
SC	67.2%	56.6%
DC	95.0%	73.1%
DE	82.5%	68.5%
OK	70.6%	56.7%
LA	60.7%	53.2%
MS	59.3%	51.5%
AL	62.3%	50.7%
GA	65.0%	54.3%
TX	72.3%	60.9%
HI	87.0%	77.8%
FL	78.7%	66.5%
PR	95.0%	82.2%

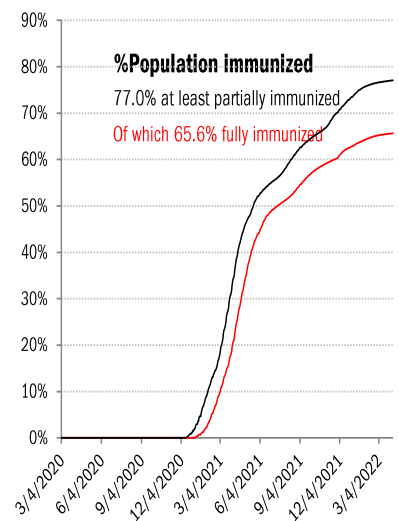
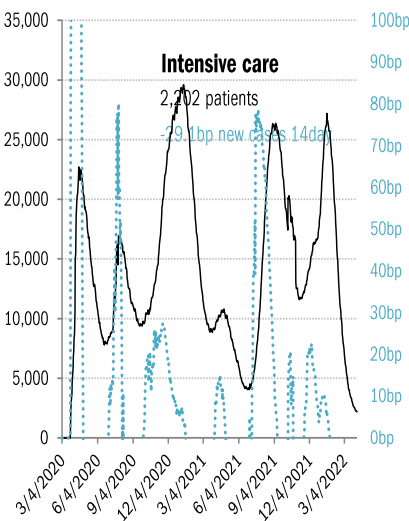
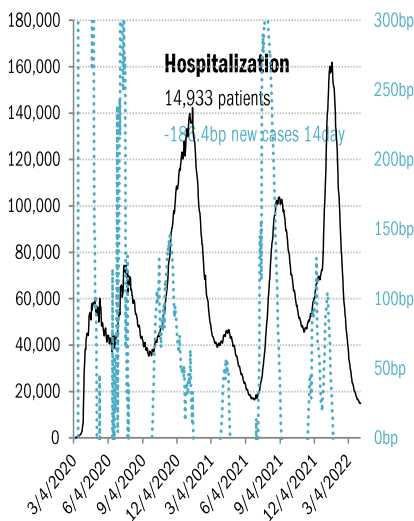
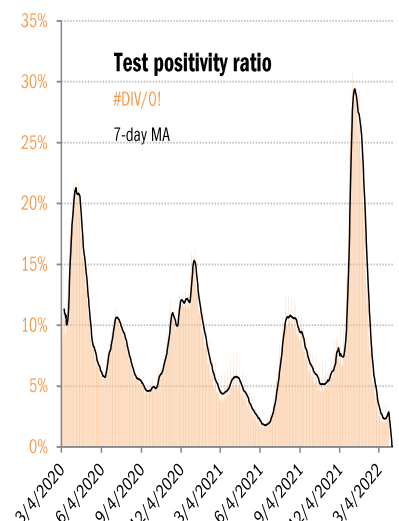
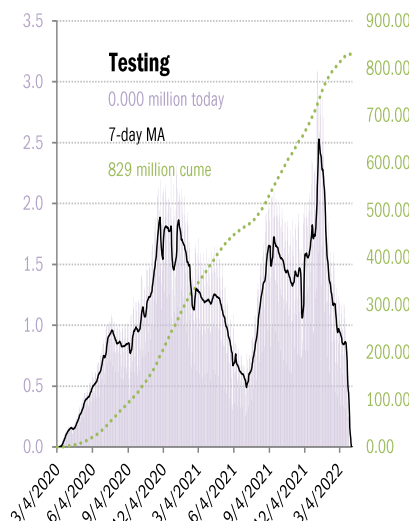
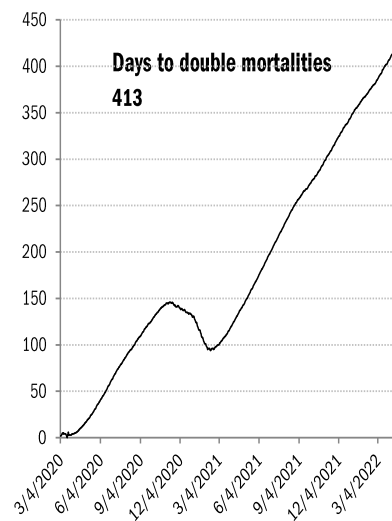
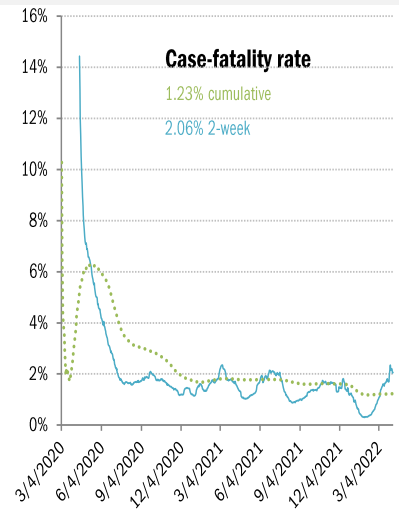
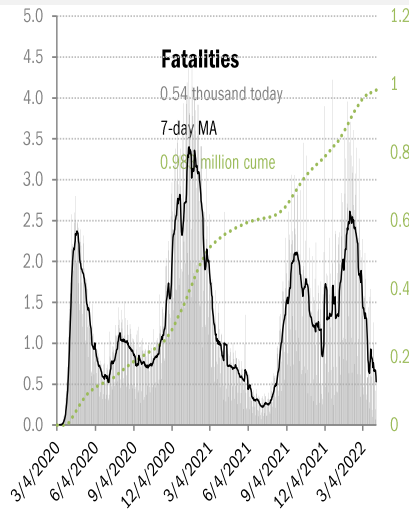
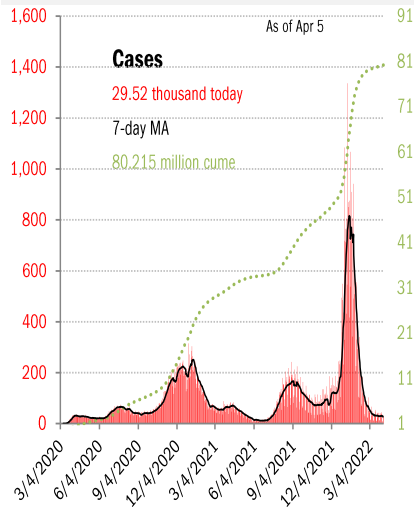
The demographics of US vaccination



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

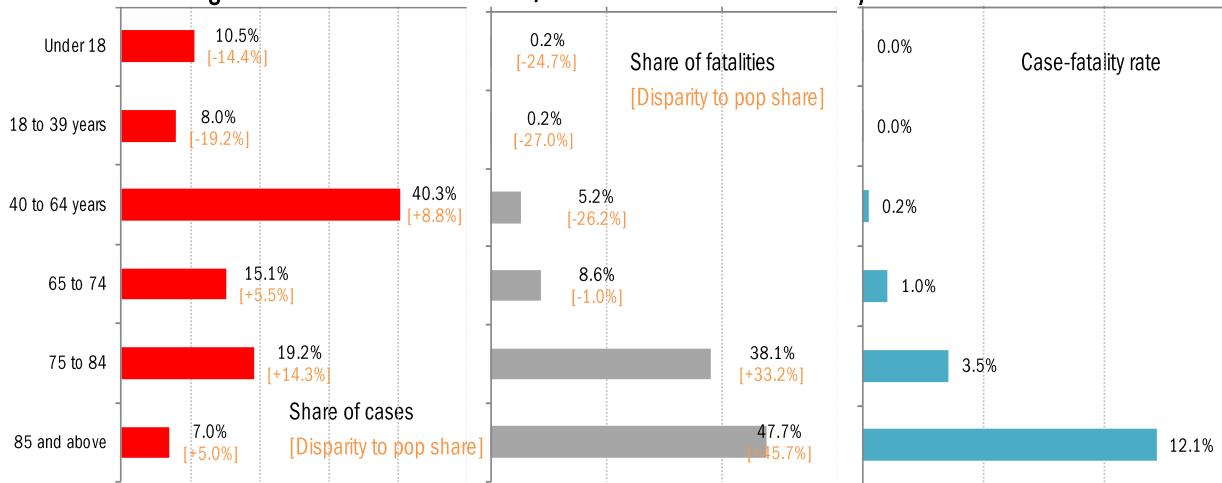
US deep-dive

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

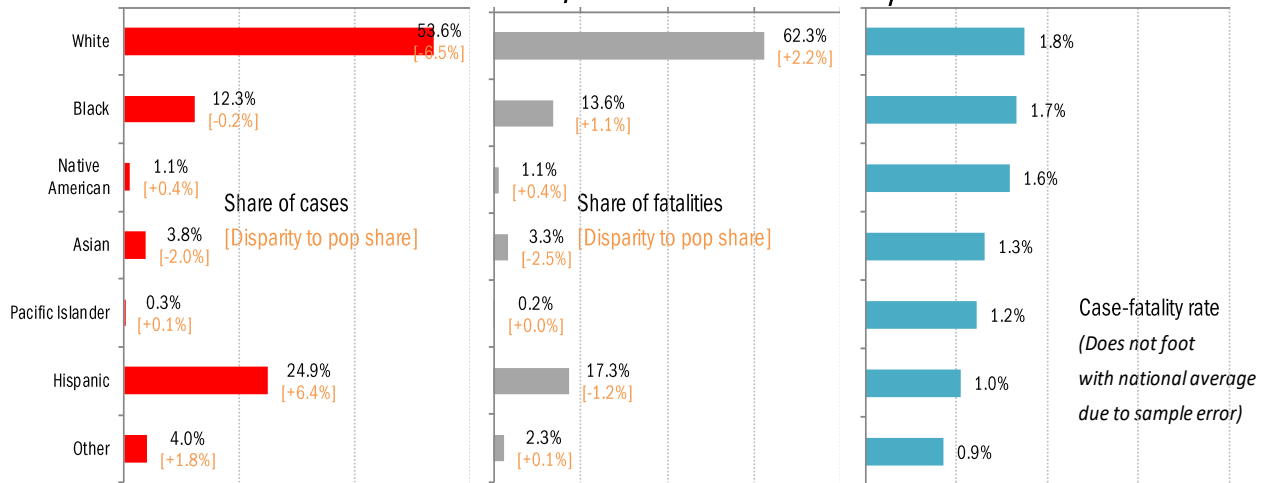


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

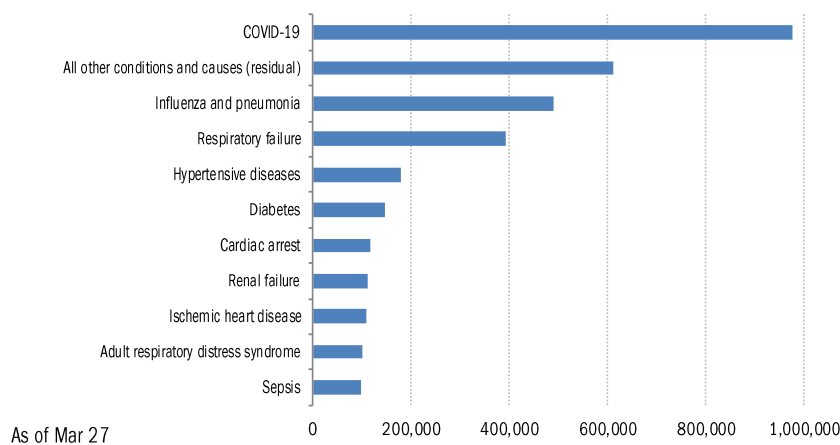


Racial distribution of US cases, fatalities and case-fatality rates



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

[Three more Democratic representatives test positive for the coronavirus.](#)

Isabella Grullón Paz and Anushka Patil
New York Times
April 5, 2022

[Pandemic Aid Bill Stalls Amid Dispute Over Immigration Restrictions](#)

Emily Cochrane
New York Times
April 5, 2022

[Now White House blames border crisis on CONGRESS as administration braces for massive influx of asylum claims as CDC announced impending end to pandemic-era Title 42](#)

Katlyn Carrale
Daily Mail
April 3, 2022

[How COVID-19 caused a global learning crisis](#)

Jake Bryant et al.
McKinsey
April 4, 2022

[CDC, under fire for covid response, announces plans to revamp agency](#)

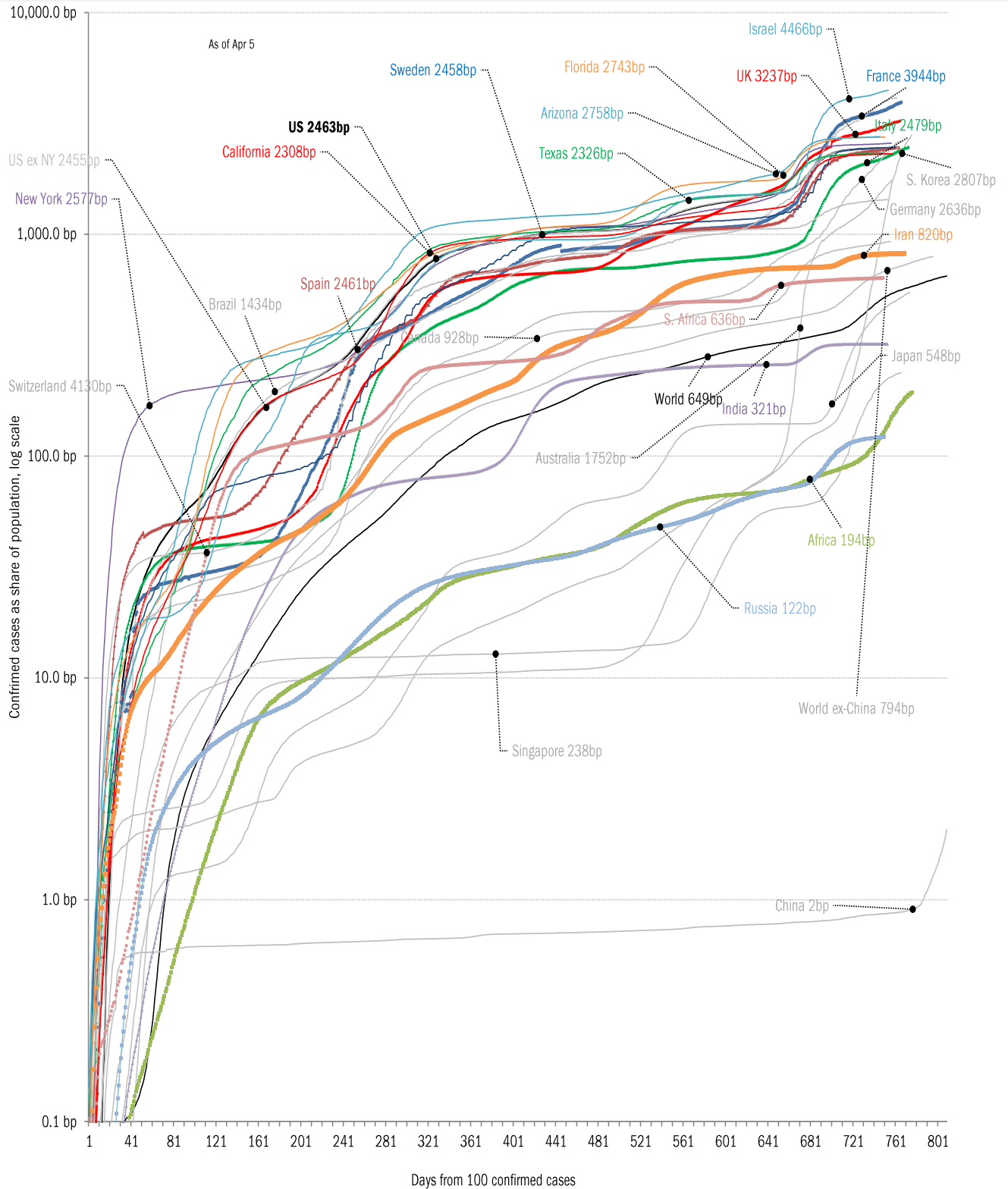
Lena H. Sun
Washington Post
April 4, 2022

Meme of the day (Click on the picture, or [here](#))



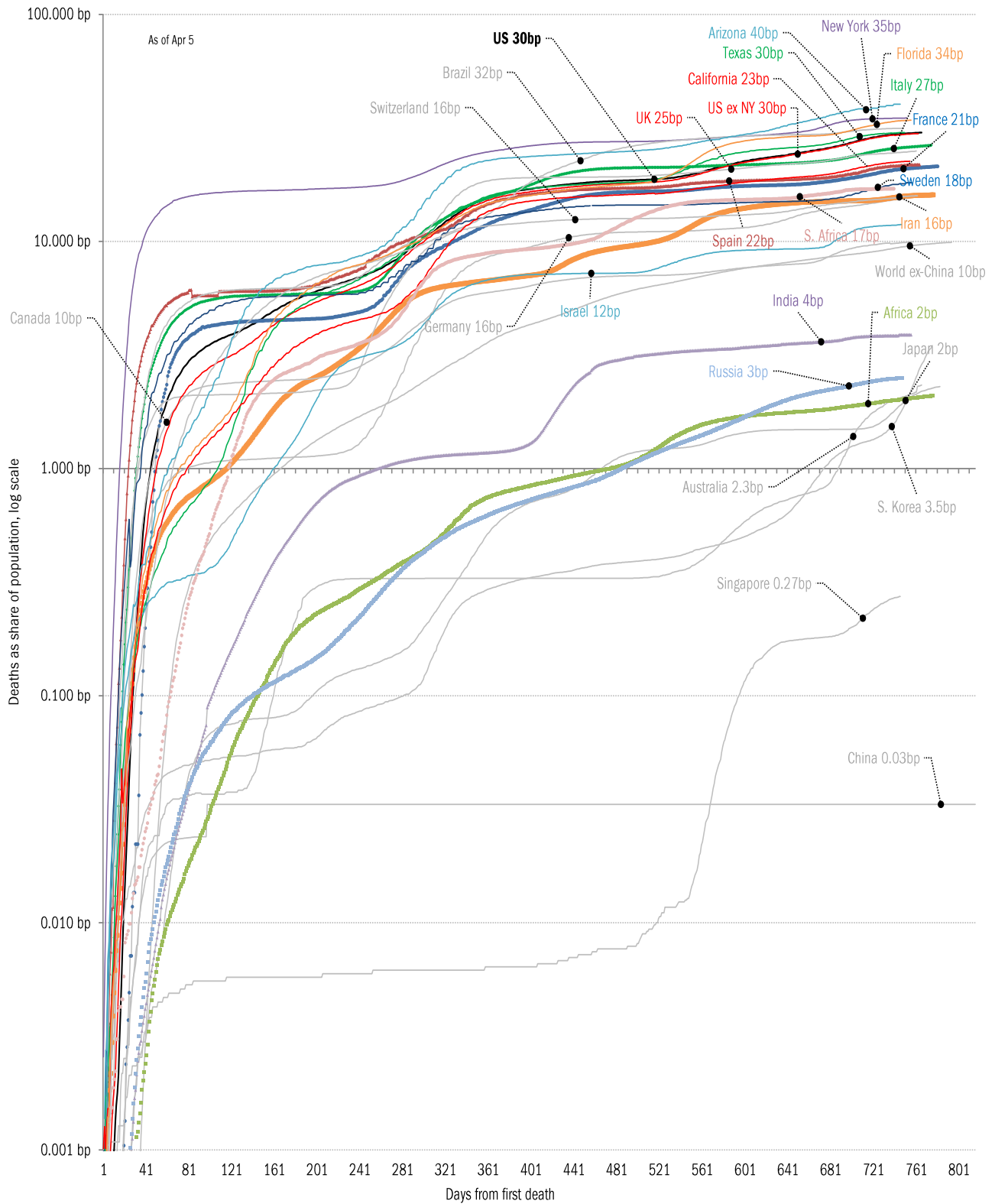
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

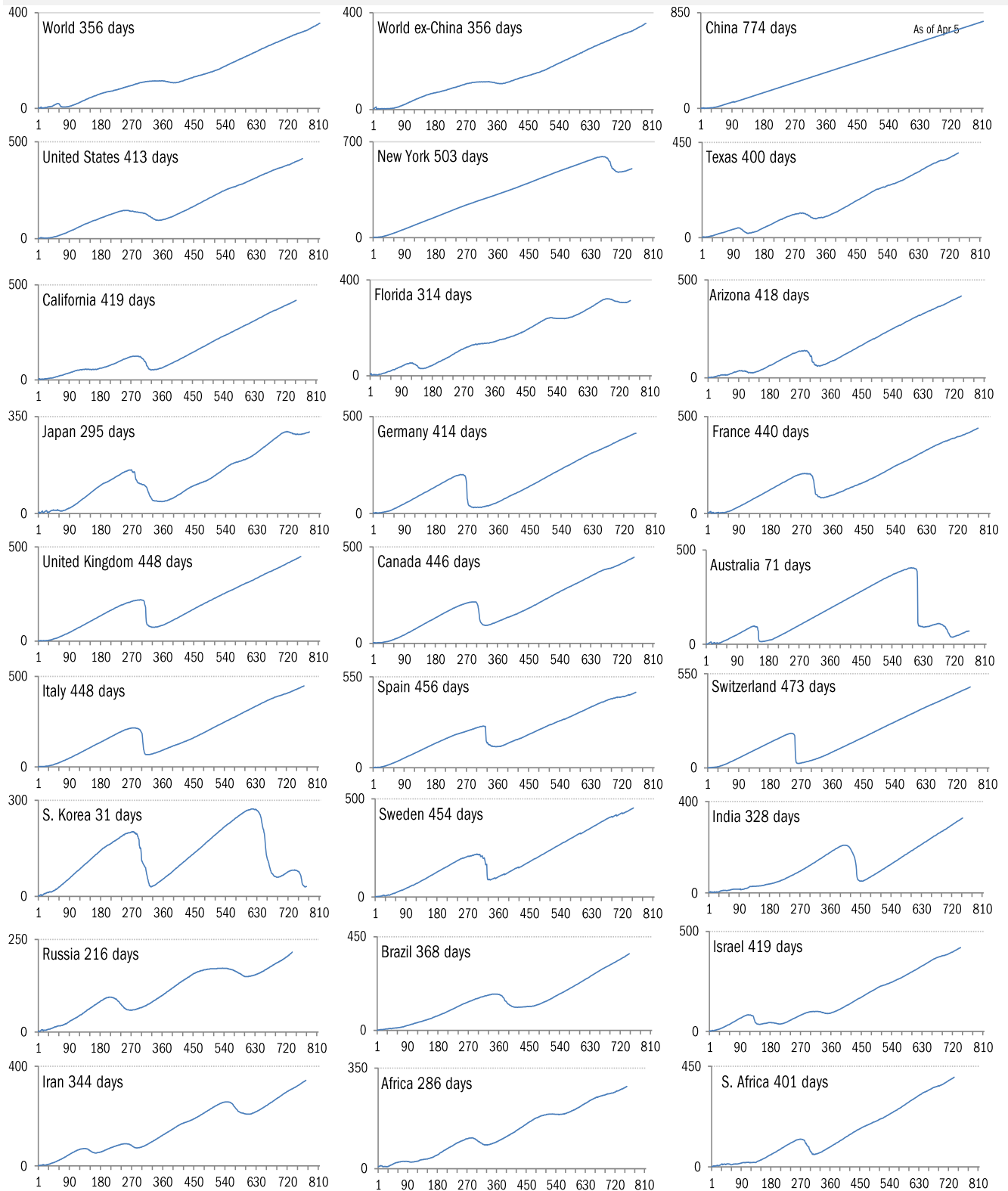


Source: [Johns Hopkins](#), TrendMacro calculations

"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

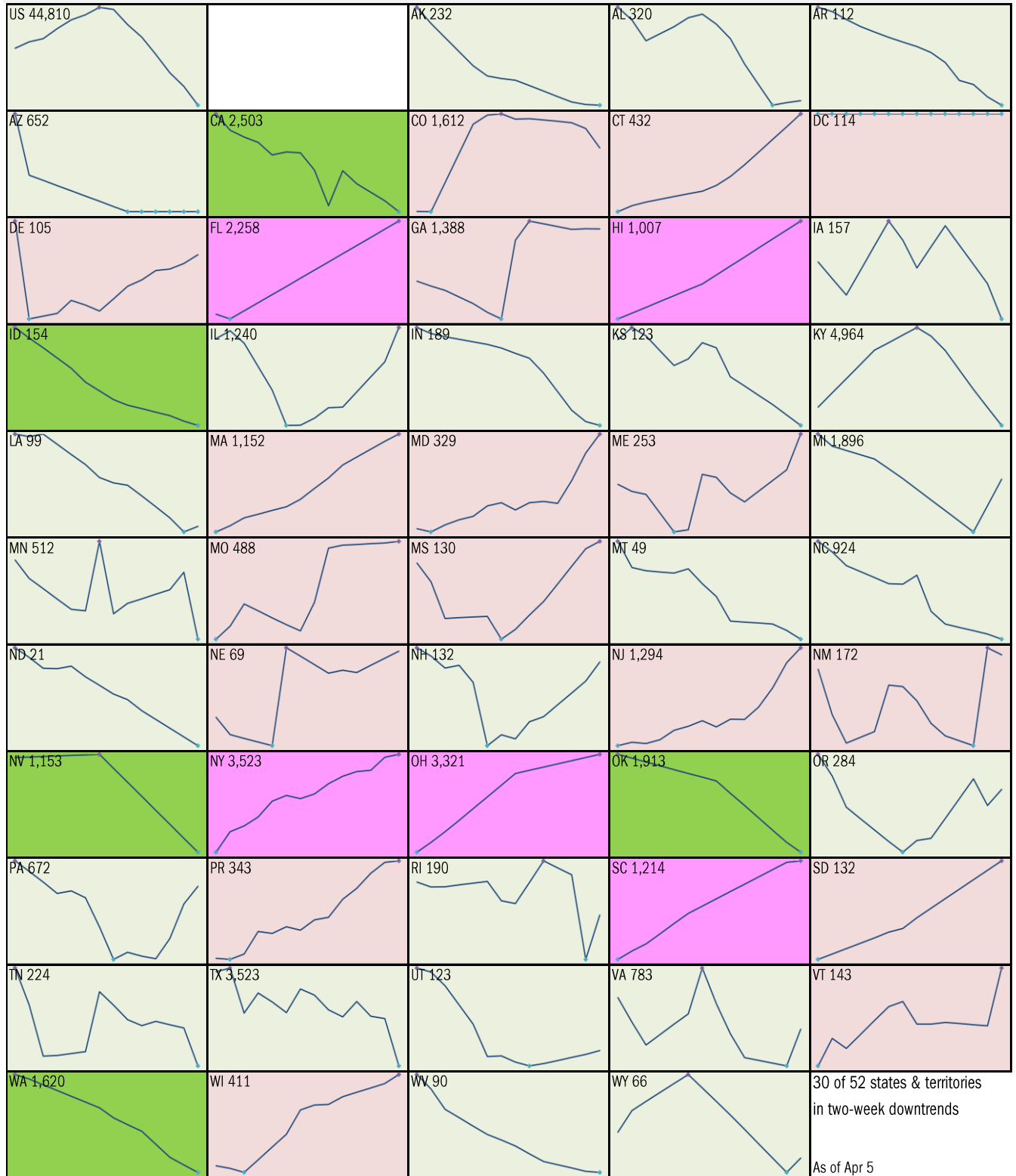


Source: [Johns Hopkins](#), TrendMacro calculations

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

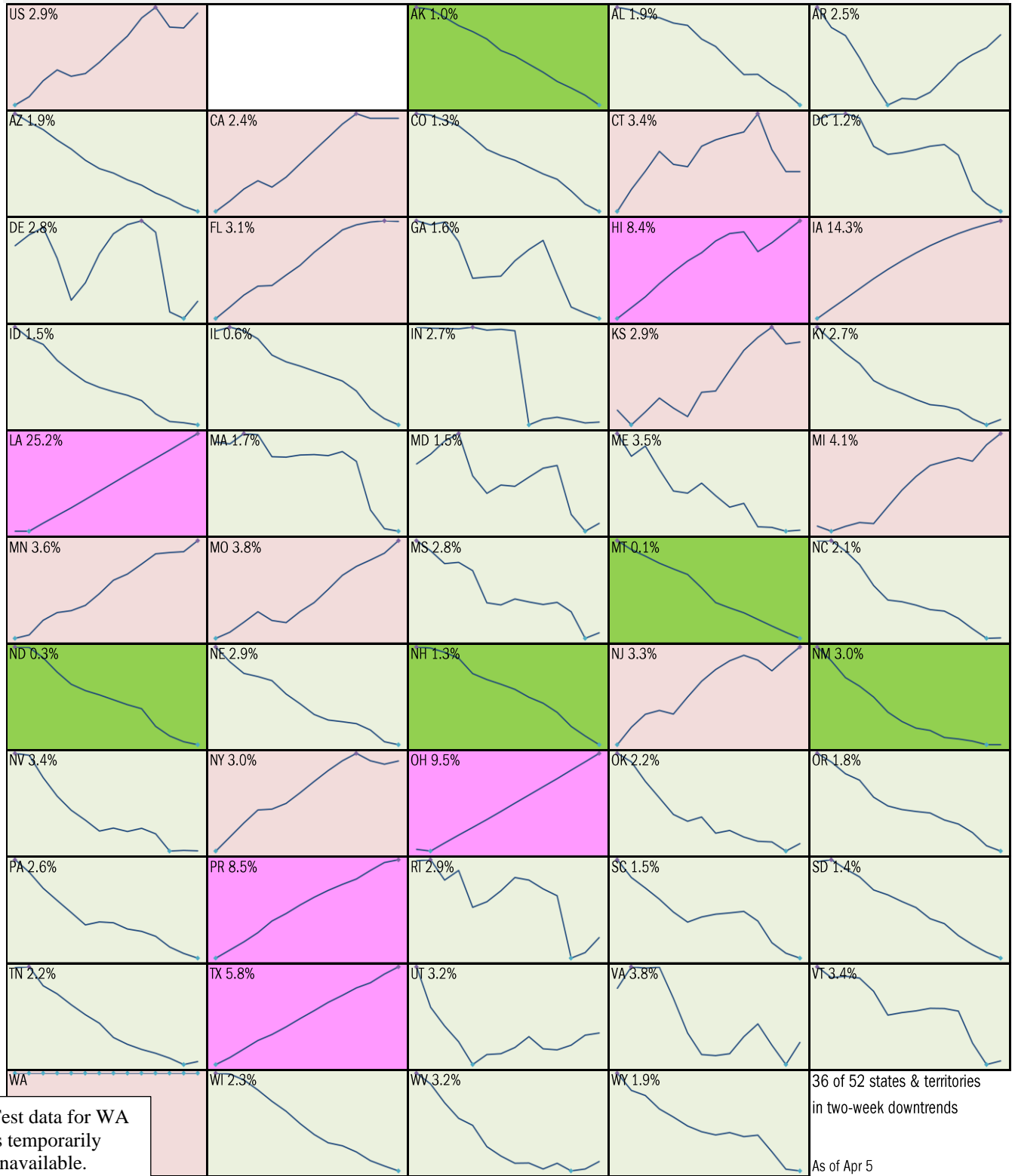


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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



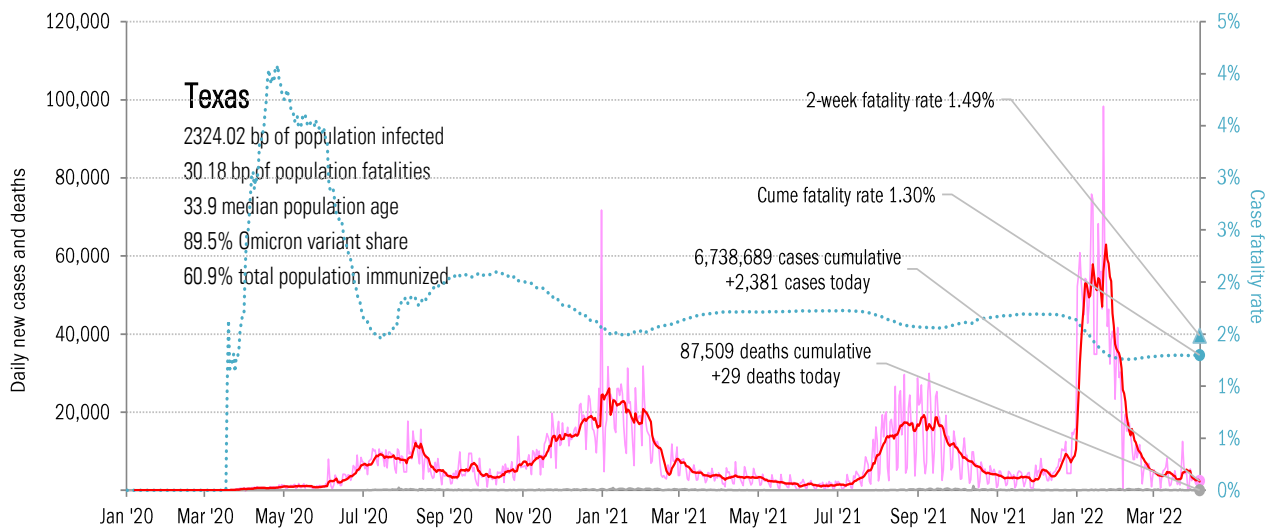
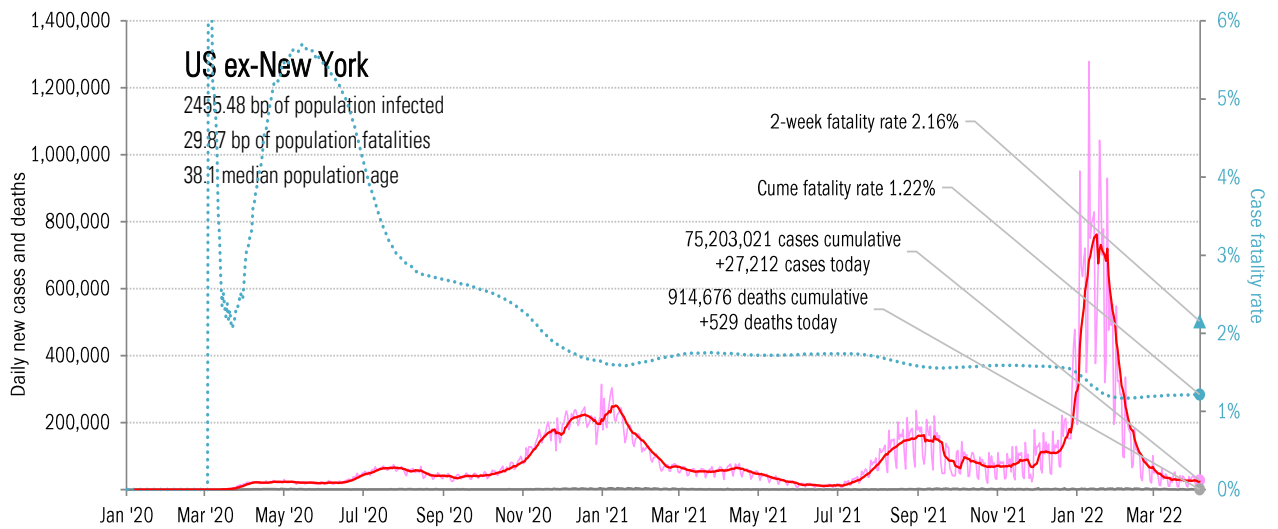
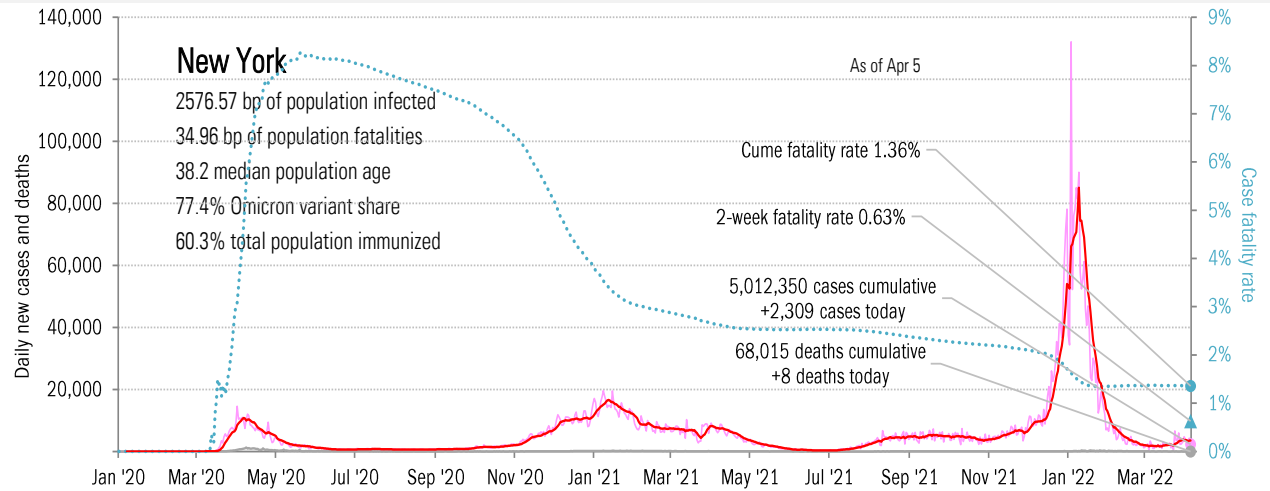
Test data for WA is temporarily unavailable.

36 of 52 states & territories in two-week downtrends
As of Apr 5

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

From Ground Zero to the Rio Grande

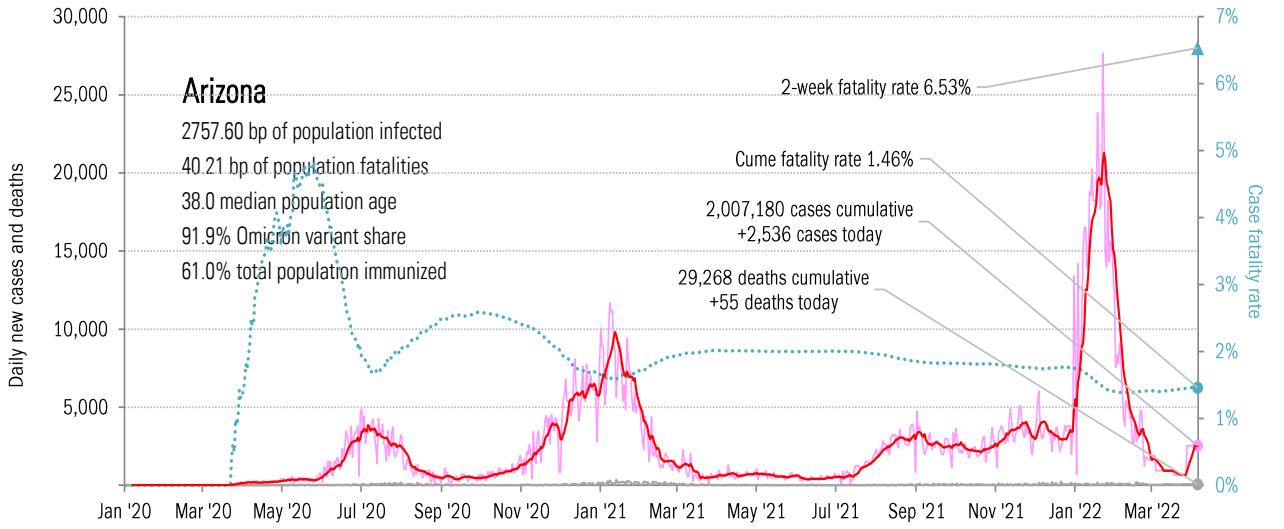
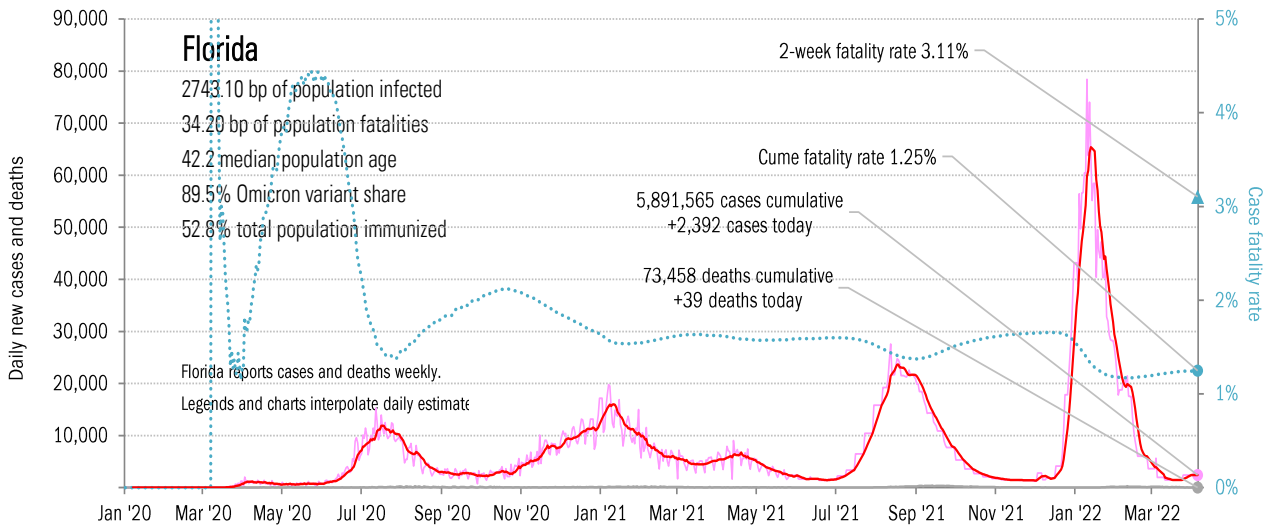
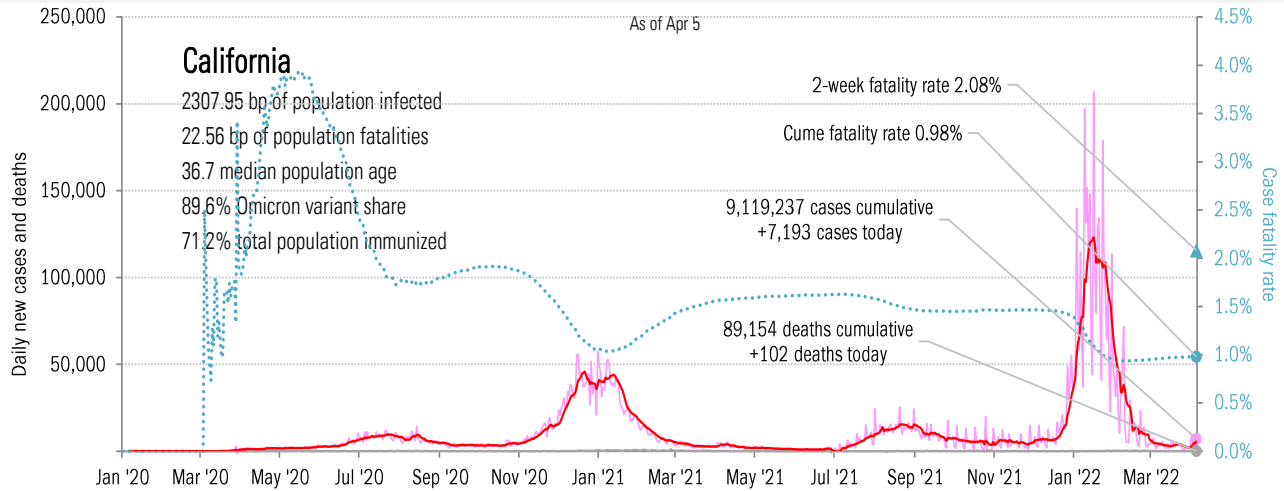
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

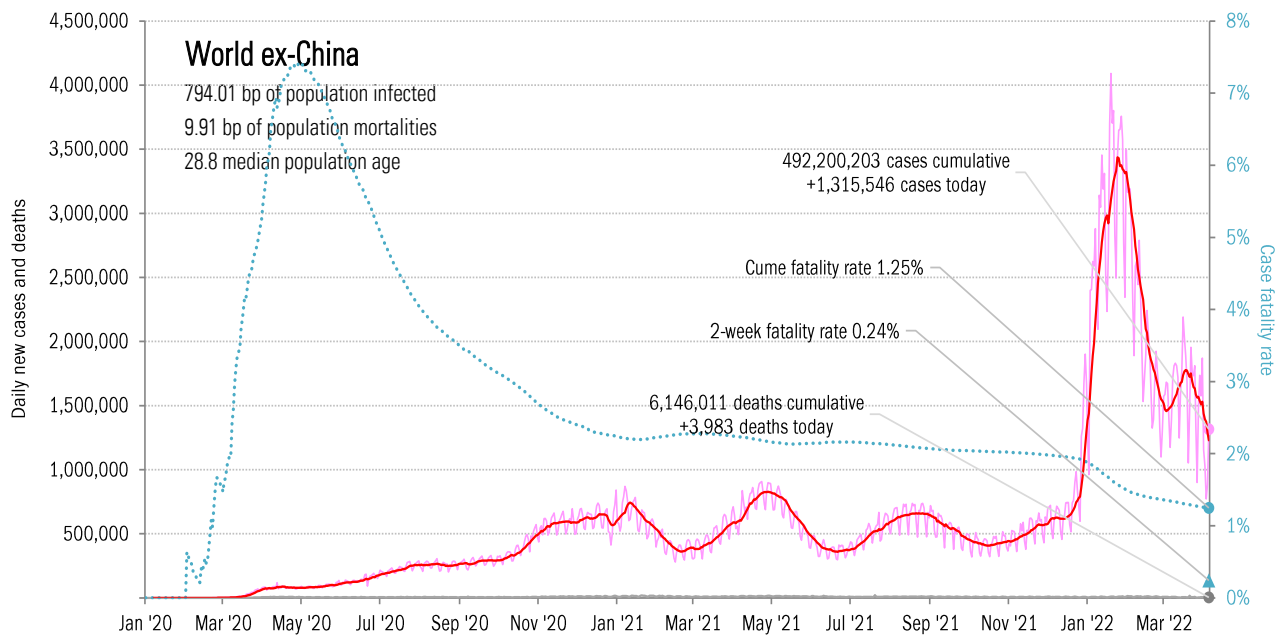
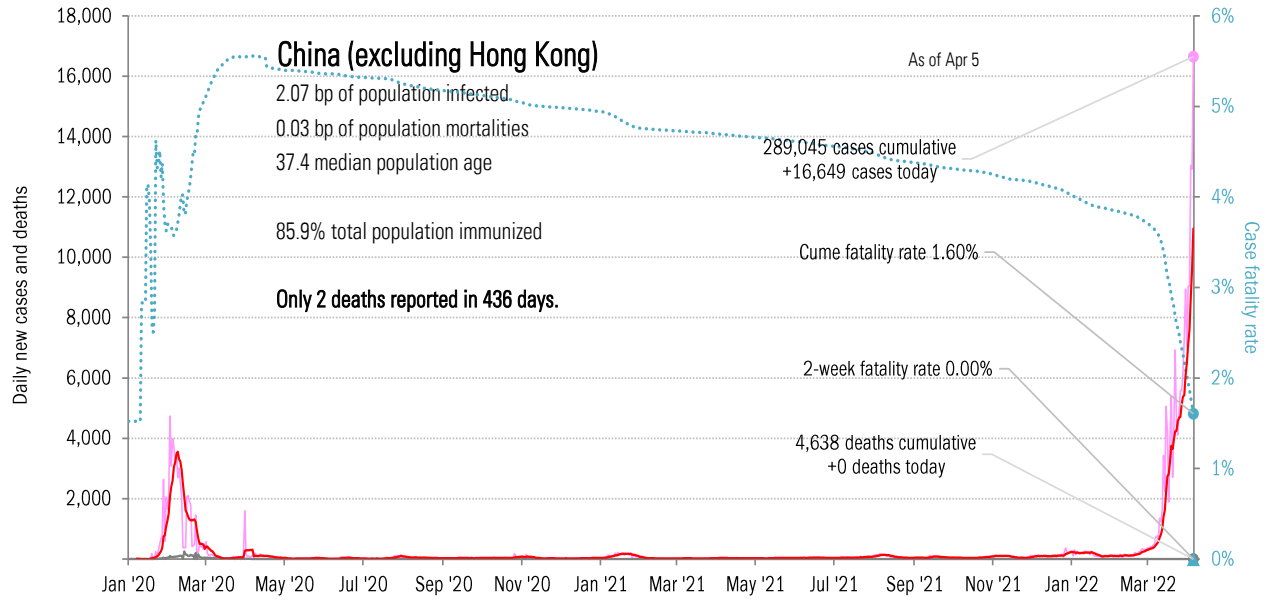
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

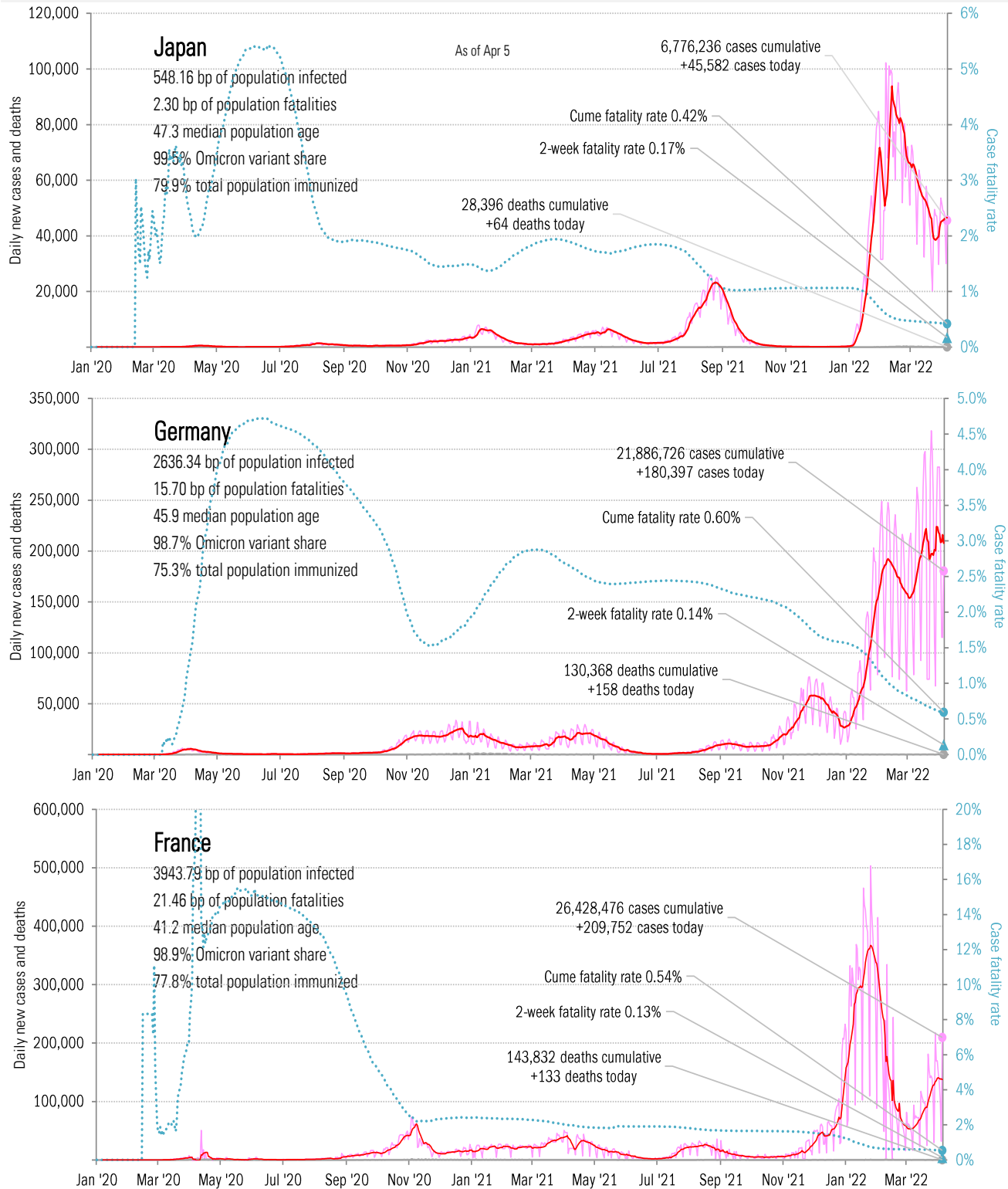
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

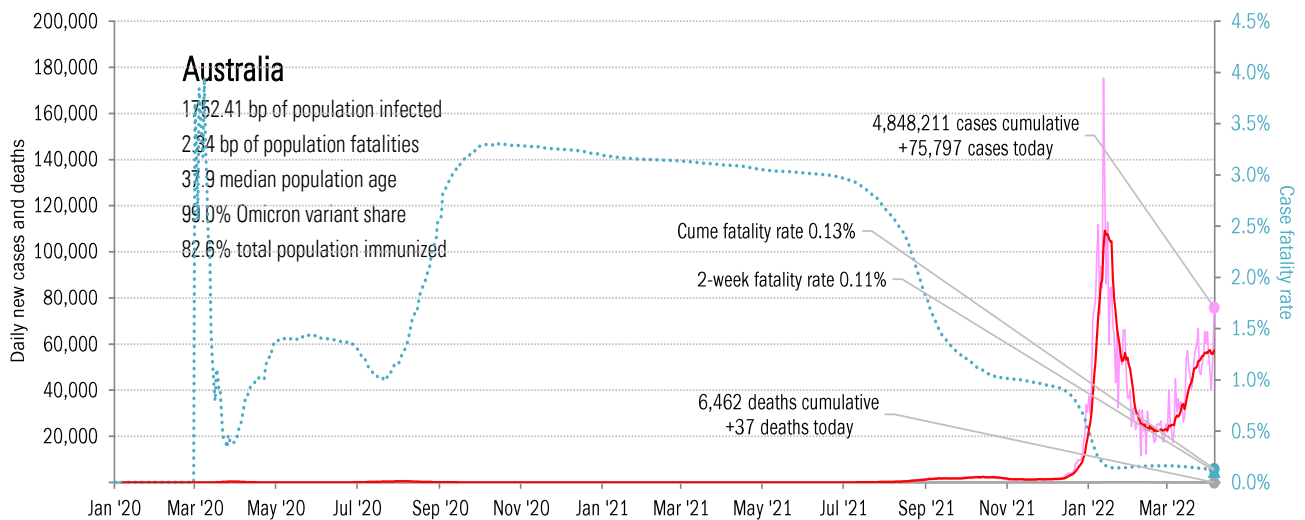
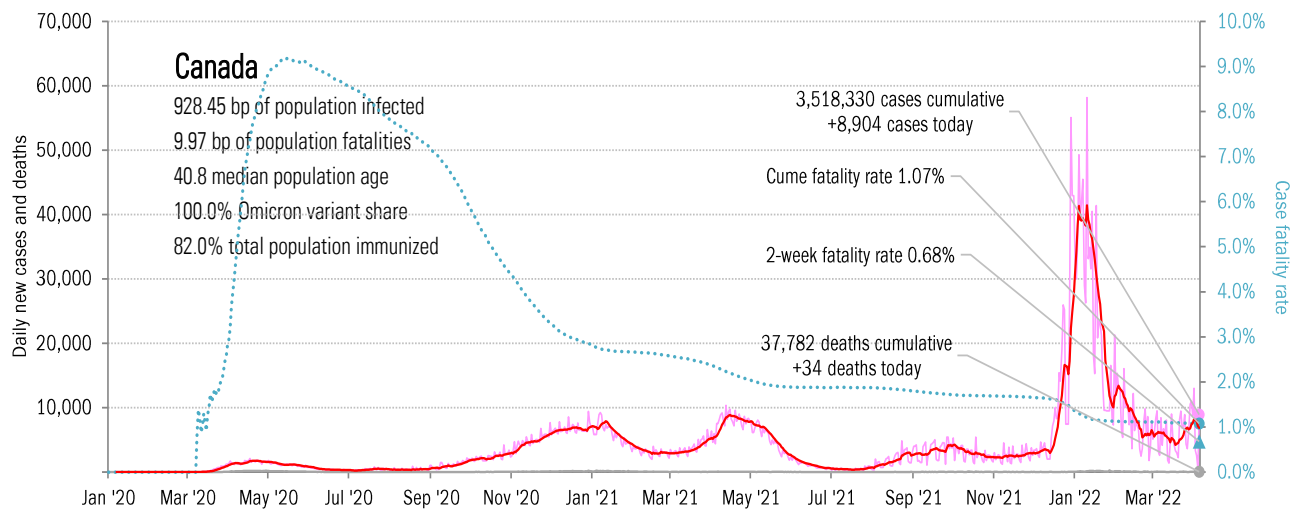
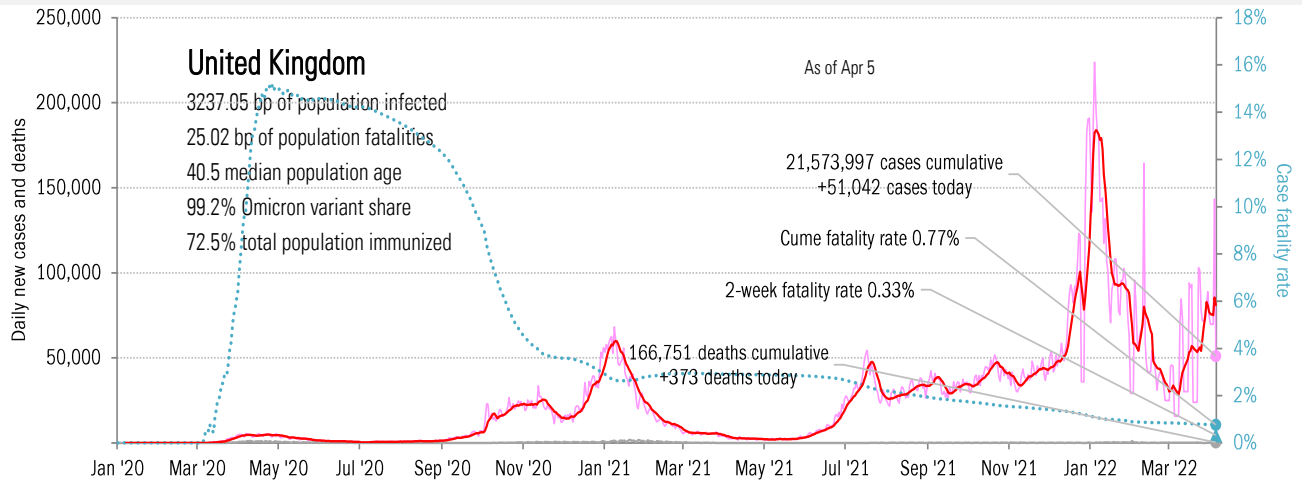
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

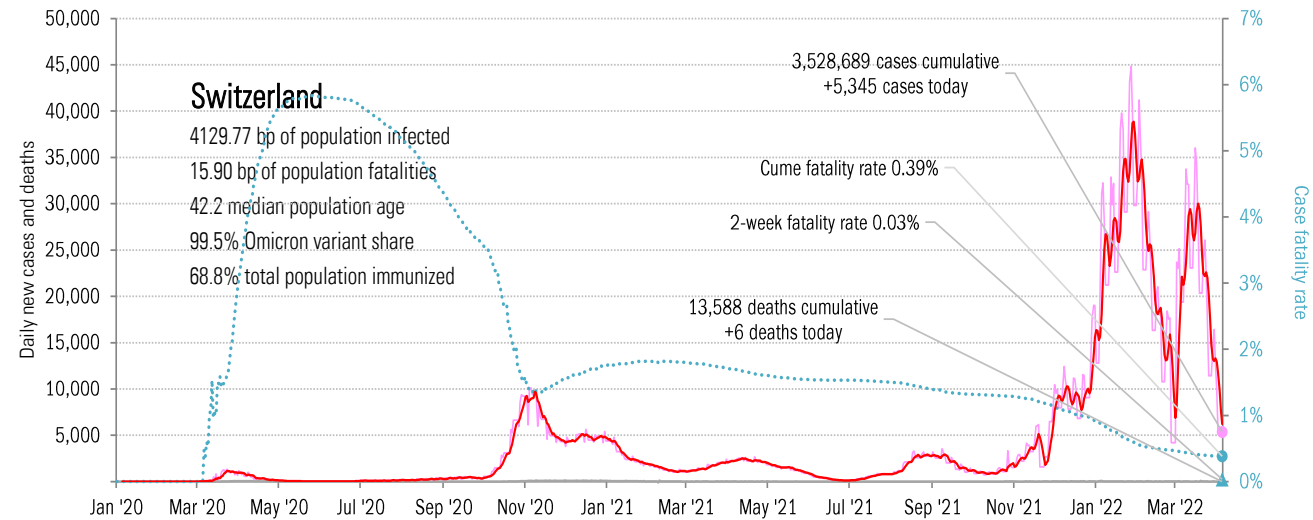
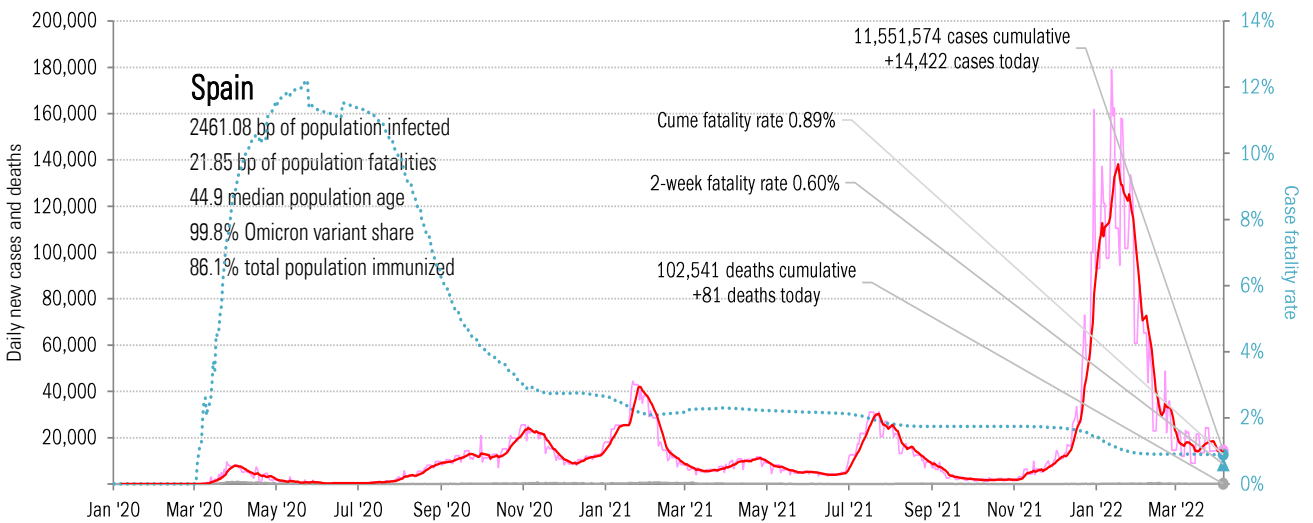
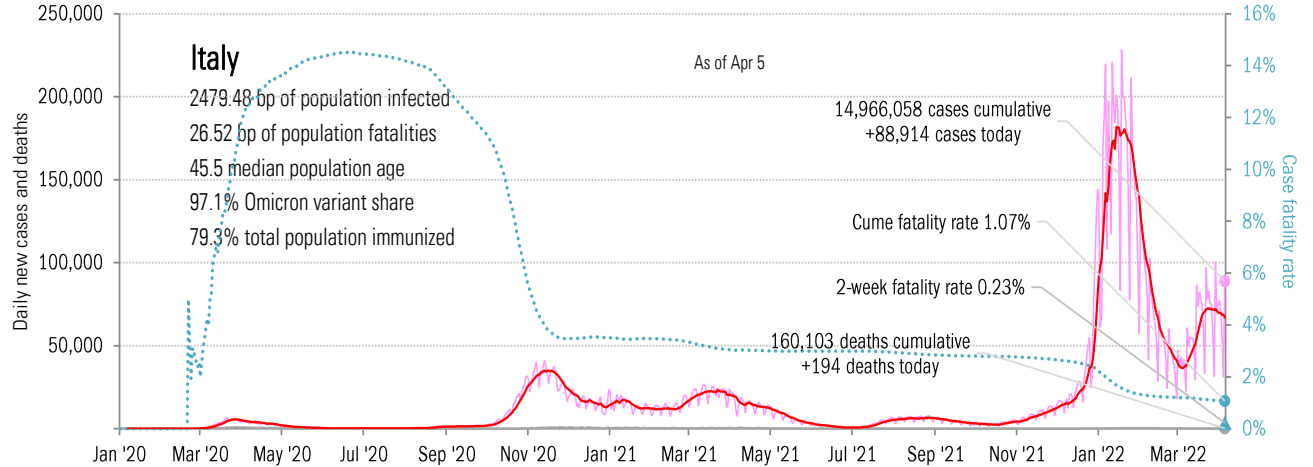
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

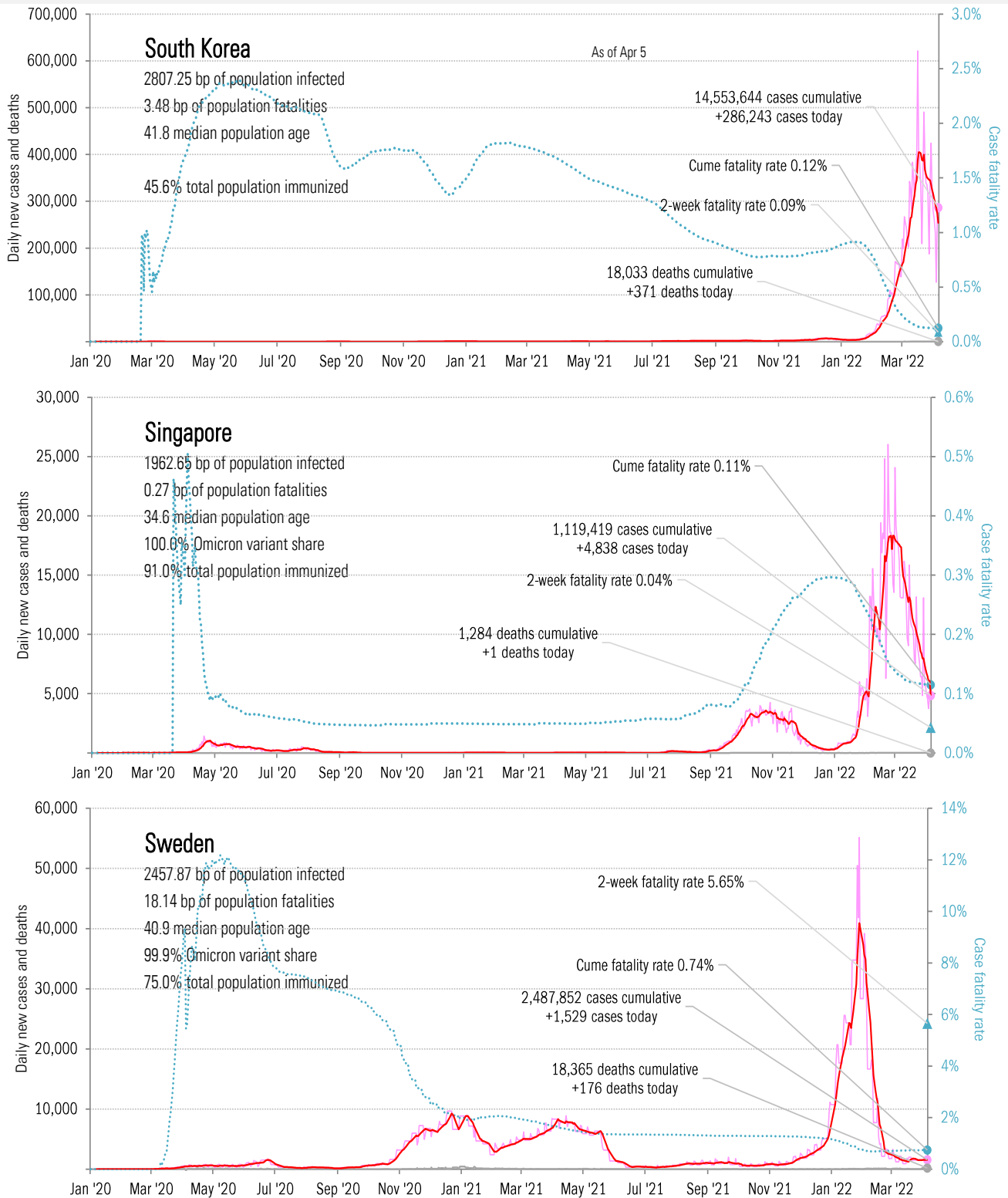
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

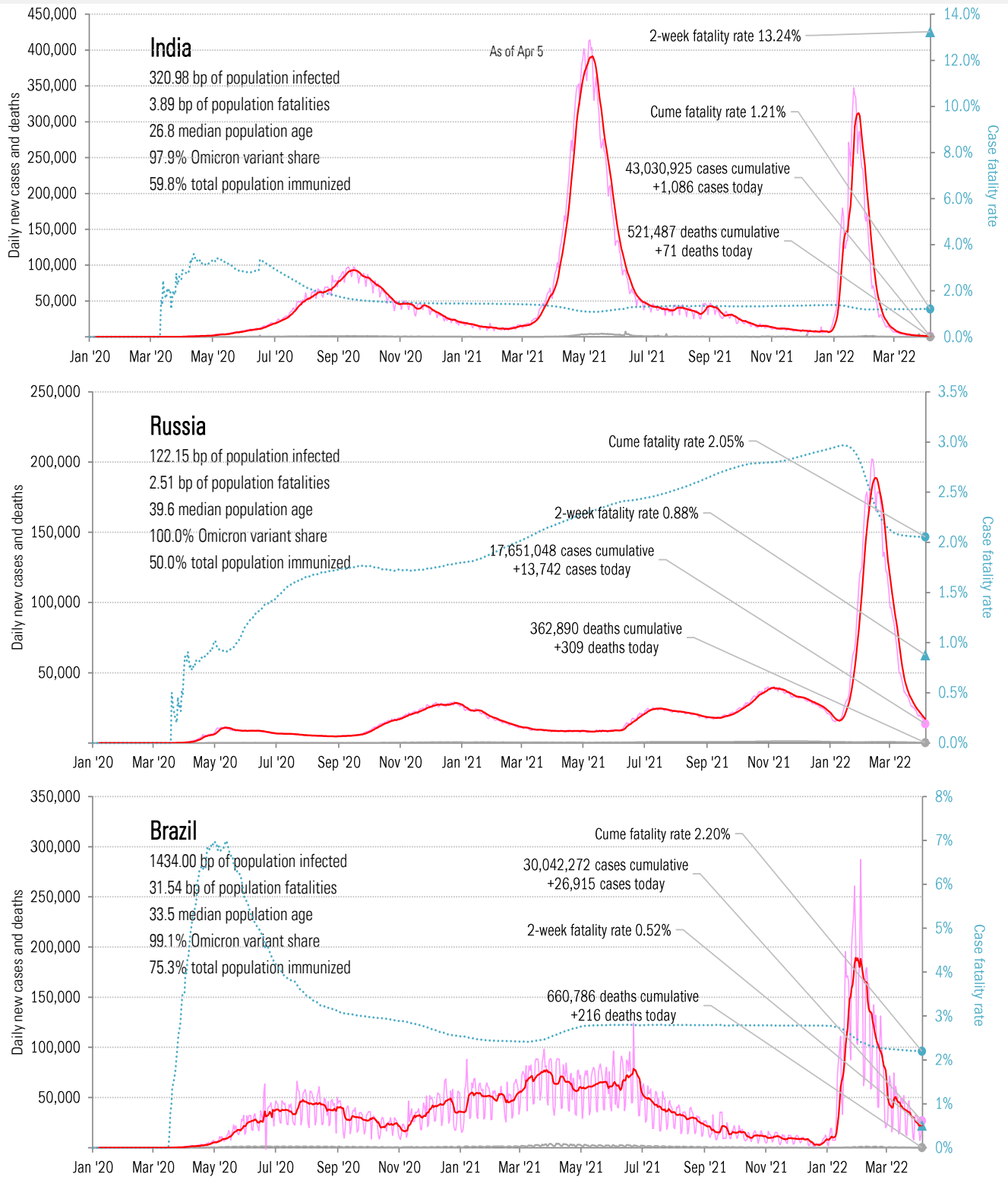
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

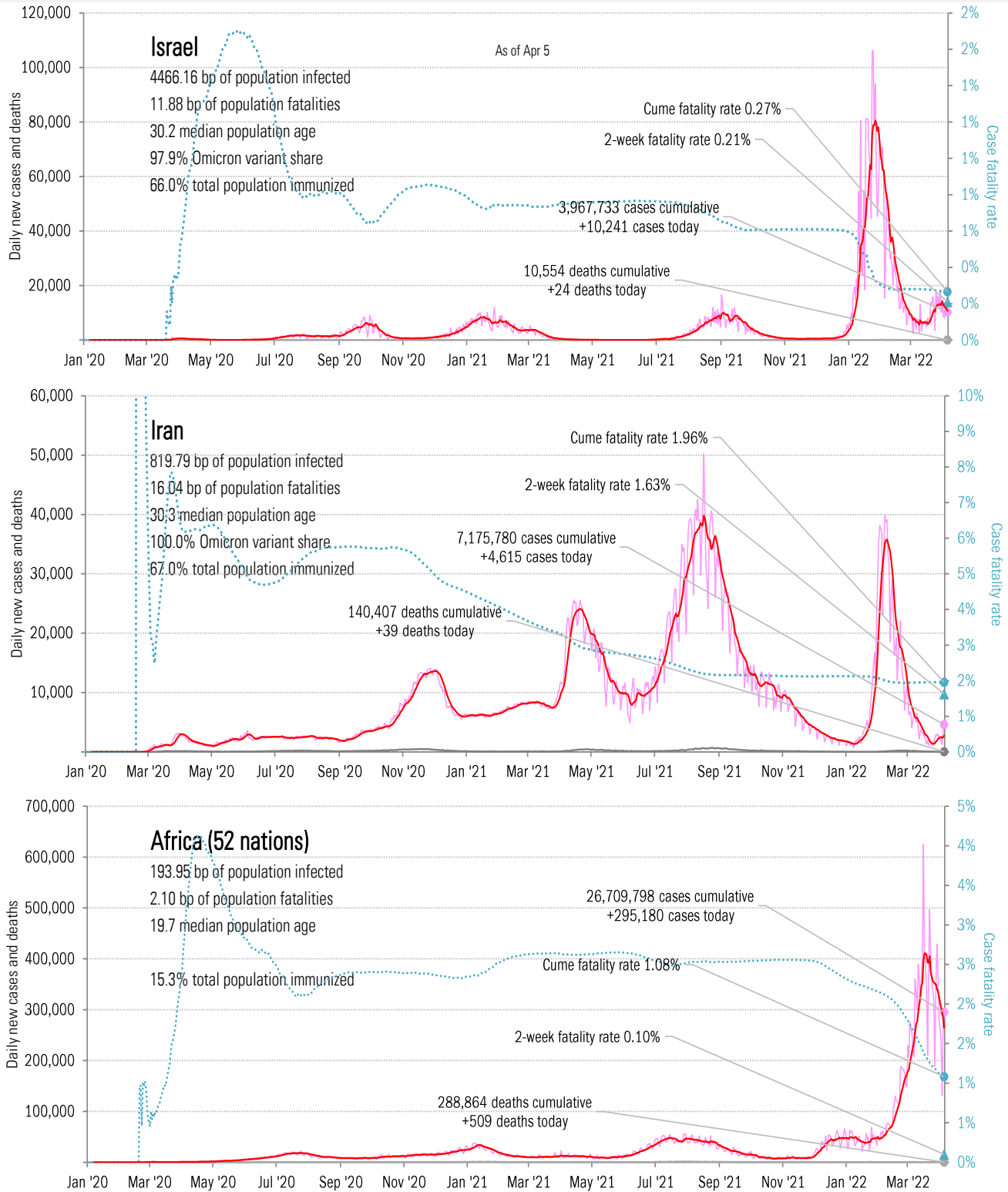
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

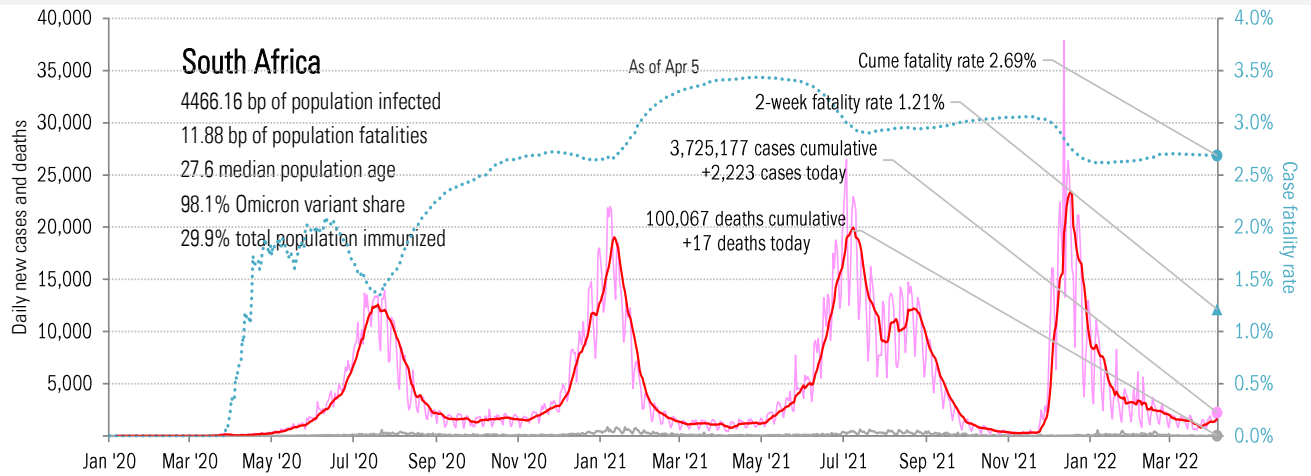
Cases: **7-day average** and **daily** Deaths: Daily



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