

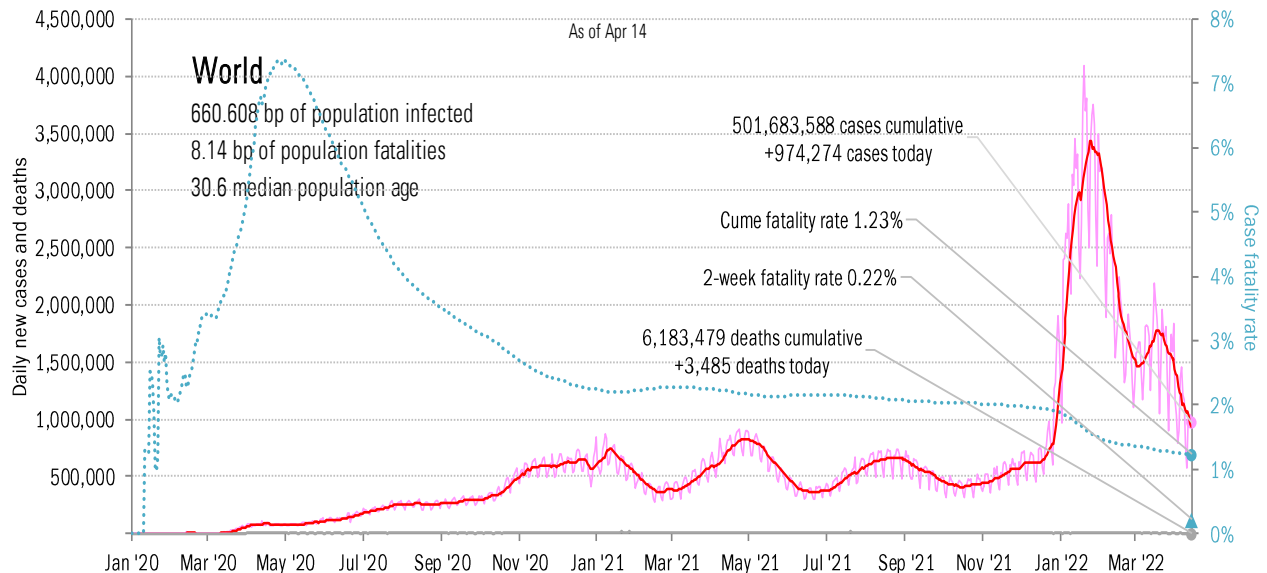
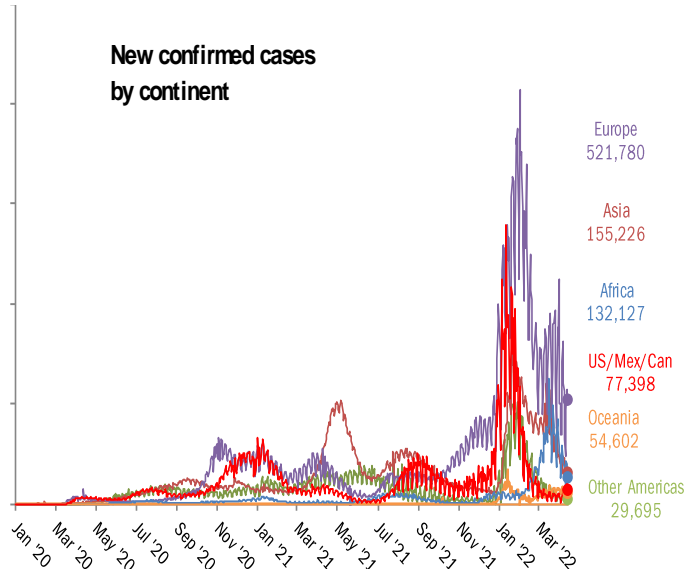
Data Insights: Covid-2019 Monitor

Friday, April 15, 2022

The global scorecard

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

The worst ten countries			
New cases		New Deaths	
Germany	156,864	United States	509
France	137,564	United Kingdom	352
Korea, South	125,808	Korea, South	264
Italy	65,617	Russia	247
United States	57,989	Germany	212
Japan	55,201	Finland	183
Australia	46,499	Italy	149
United Kingdom	33,382	Brazil	139
Belgium	29,132	France	133
Finland	28,891	Canada	128
736,947		2,316	
World	974,274	World	3,485
Top ten	76%	Top ten	66%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

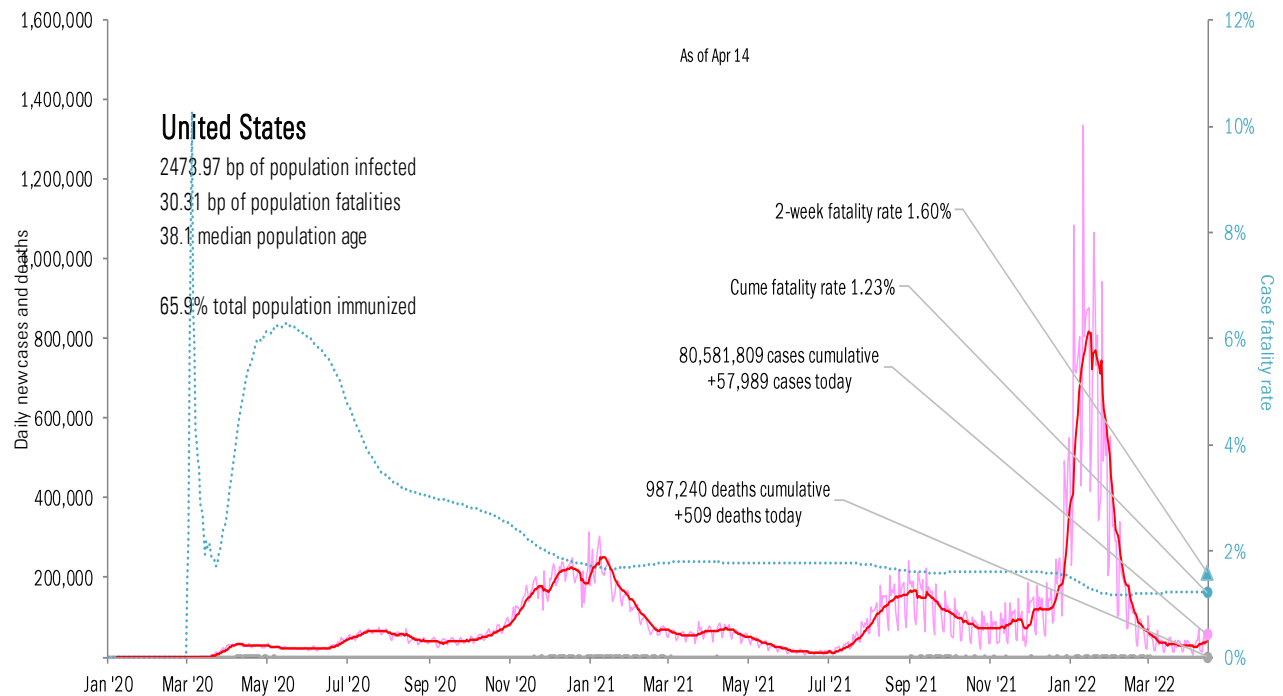
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use									
CA	12,938	CH	100	GA	79	CA	9,150,534	CA	89,556	TX	488,485	MA	87%	NM	87%														
NY	12,736	OK	96	MA	67	TX	6,784,338	TX	87,808	CA	424,385	RI	84%	TX	83%														
CH	4,808	GA	48	FL	112	FL	5,912,913	FL	73,763	FL	414,676	MN	84%	MA	81%														
TX	3,450	AL	34	CH	49	NY	5,061,647	NY	68,102	NY	247,060	MO	82%	KY	81%														
IL	3,340	VA	33	CT	38	IL	3,092,065	PA	44,464	GA	207,143	PA	82%	MS	81%														
MA	3,255	CR	23	NY	184	PA	2,793,978	CH	38,266	CH	190,639	MD	81%	WA	80%														
FL	3,050	PA	23	PA	56	CH	2,681,437	GA	37,476	PA	176,111	GA	81%	AL	80%														
NJ	2,730	FL	23	IA	15	NC	2,639,241	IL	35,937	IL	157,240	WA	81%	NC	79%														
CO	1,800	AZ	20	NH	18	GA	2,505,856	MI	35,857	MI	141,295	DC	81%	WV	78%														
PR	1,732	TX	19	TN	20	MI	2,400,990	NJ	33,322	KY	132,884	DE	81%	DE	78%														
49,839			419			638			43,022,999			544,551			2,579,918														
All states			57,989			509			1,487			All states			80,581,809			987,240			4,684,523			All states		70%		67%	
Top ten			86%			82%			43%			Top ten			53%			55%			55%			Median		75%		73%	

Some states not reporting

Five most improved US states

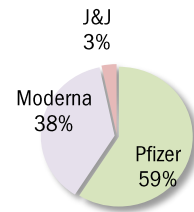
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MI	-7,725	NV	-365	AZ	-88	AL	+10 bp
NC	-5,234	TN	-350	CA	-61	CA	+10 bp
WA	-4,695	FL	-129	NY	-35	GA	+10 bp
AZ	-3,699	CA	-116	NJ	-29	IN	+10 bp
H	-1,327	MI	-81	MD	-27	KS	+10 bp



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	582,947,922		+0.320 million	US	65.9%	77.3%
Boosters	100,434,524		+0.058 million	UK	72.7%	77.7%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	264,296,986	79%	224,968,207	67%	+0.043 million	France 77.9% 80.1%
Age 12 to 17	17,640,340	70%	15,051,479	59%	+0.003 million	Spain 86.3% 88.1%
Age 18 to 64	177,909,091	87%	150,920,722	74%	+0.021 million	Germany 75.4% 76.0%
Age 65 and over	58,576,638	100%	50,831,970	93%	+0.015 million	Italy 79.3% 84.1%



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

US	65.9%	77.3%
UK	72.7%	77.7%
France	77.9%	80.1%
Spain	86.3%	88.1%
Germany	75.4%	76.0%
Italy	79.3%	84.1%
Australia	83.1%	86.3%
Israel	66.0%	72.2%
Canada	82.1%	86.9%
Japan	80.2%	81.6%
Africa	16.2%	21.2%
India	60.4%	71.6%
Brazil	75.9%	85.0%
China	86.2%	88.6%

Global data differs due to sources, timing

AK	69.5%
	61.9%

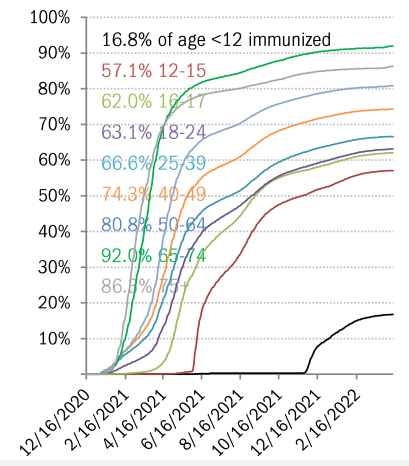
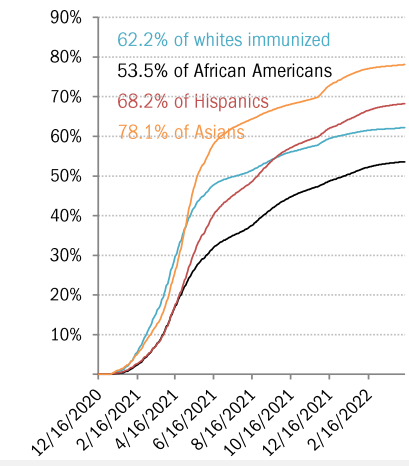
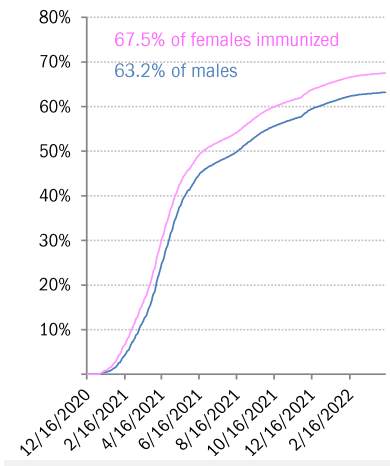
Immunity = two doses

As of Apr 14

					WI					ME
					71.6%					89.9%
					65.3%					79.1%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.5%	60.9%	65.0%	64.8%	74.9%	76.6%	66.8%		89.9%	93.2%	90.6%
72.3%	53.8%	56.5%	54.7%	68.9%	68.5%	59.9%		76.5%	80.9%	69.8%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.6%	74.9%	58.6%	76.1%	67.8%	61.3%	63.4%	84.4%	90.0%	95.0%	
69.4%	60.5%	51.3%	61.0%	61.7%	54.7%	58.2%	68.0%	75.3%	78.6%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
83.1%	71.9%	79.1%	70.1%	66.0%	66.0%	64.8%	85.3%	86.6%	95.0%	95.0%
71.6%	64.0%	70.0%	63.4%	55.8%	57.2%	57.4%	72.9%	75.8%	78.8%	82.1%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	72.6%	87.2%	74.2%	66.4%	61.9%	83.6%	67.2%	95.0%	82.8%	
	61.2%	70.7%	61.1%	54.2%	54.3%	60.5%	56.6%	73.5%	68.7%	
			OK	LA	MS	AL	GA			
			70.8%	60.8%	59.4%	62.5%	65.1%			
			56.9%	53.3%	51.6%	50.9%	54.5%			
			TX					FL		PR
			72.6%					78.9%		94.7%
			61.1%					66.7%		82.8%

HI	87.2%
	78.0%

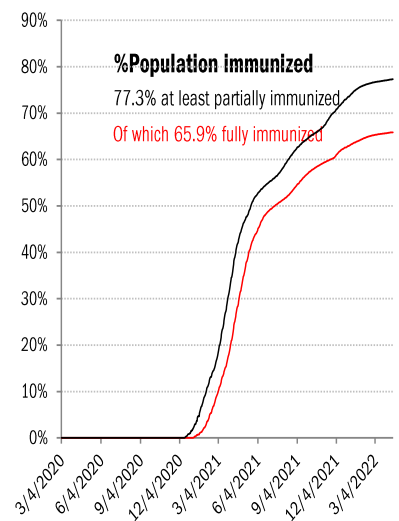
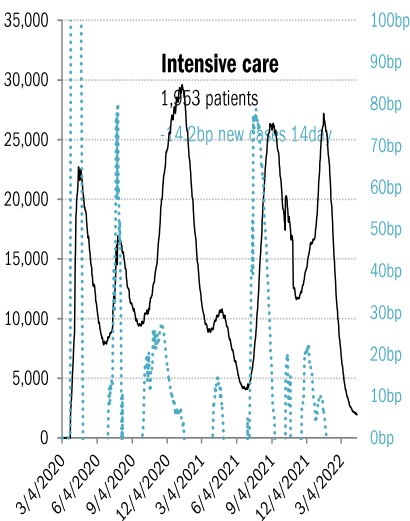
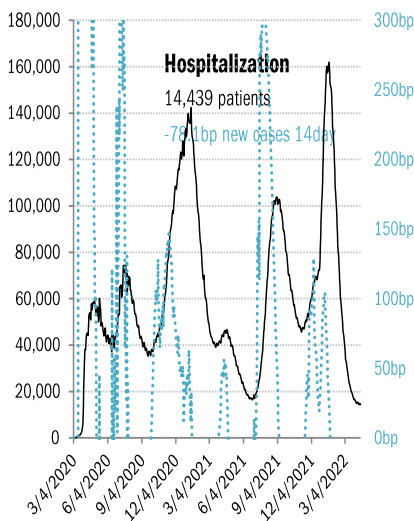
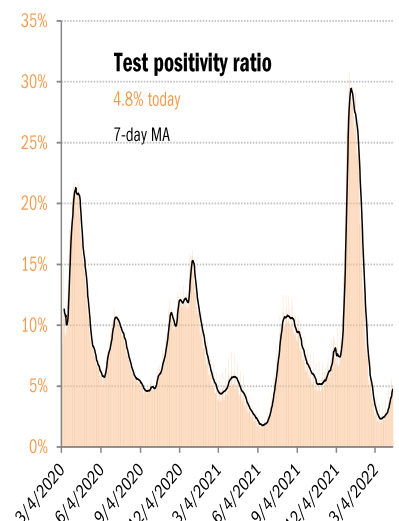
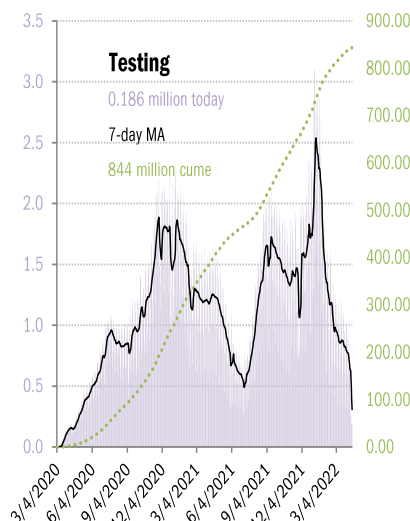
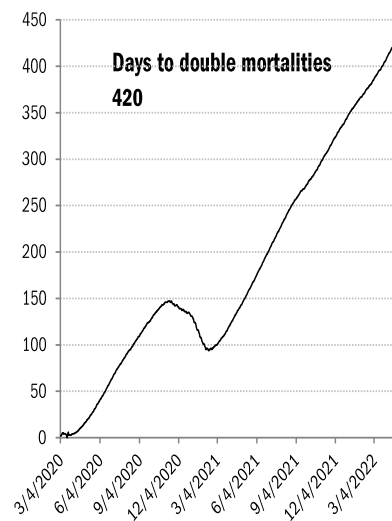
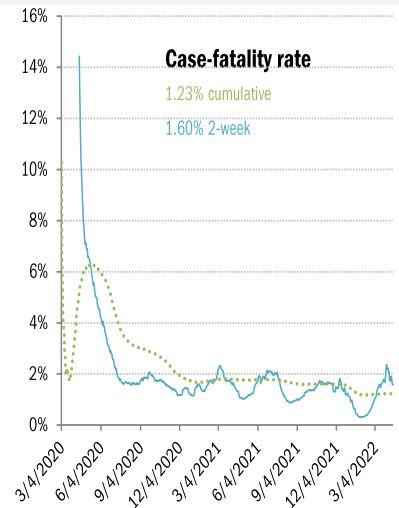
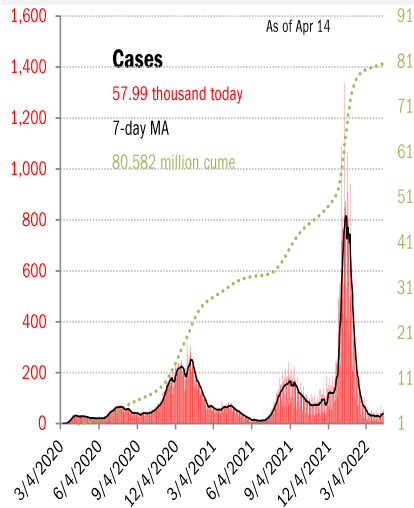
The demographics of US vaccination



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

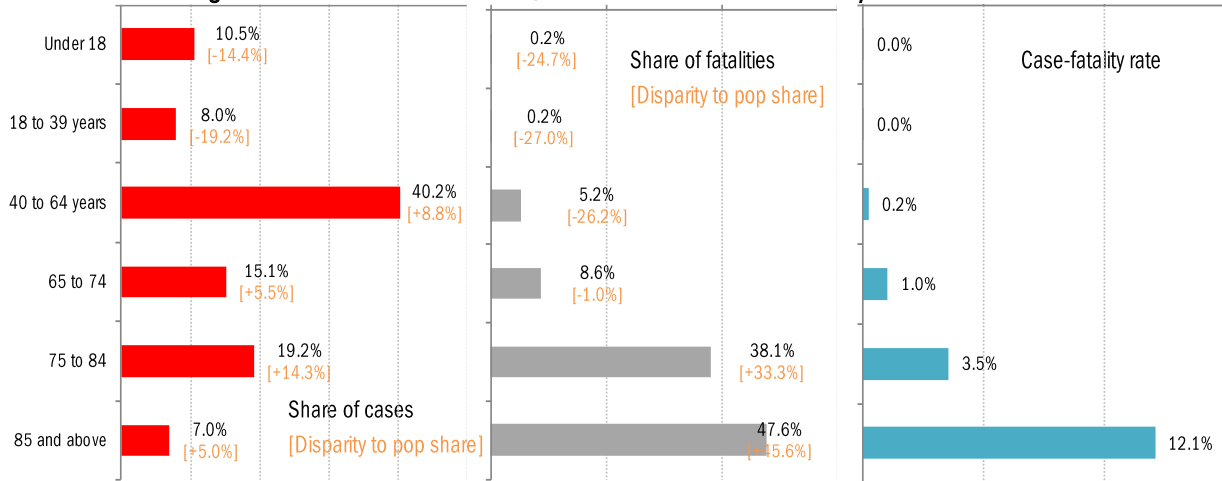
US deep-dive

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

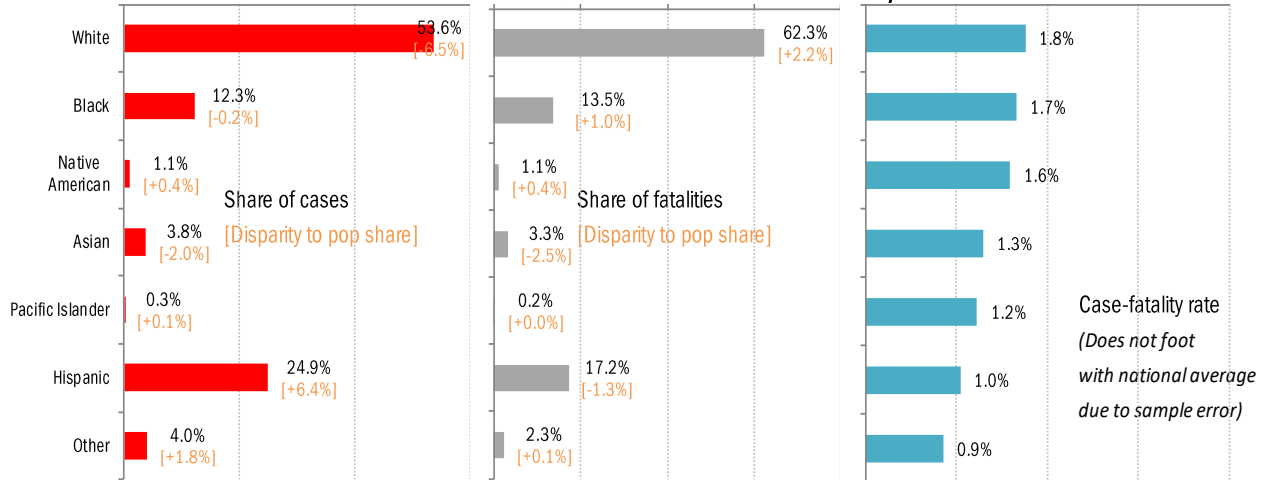


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

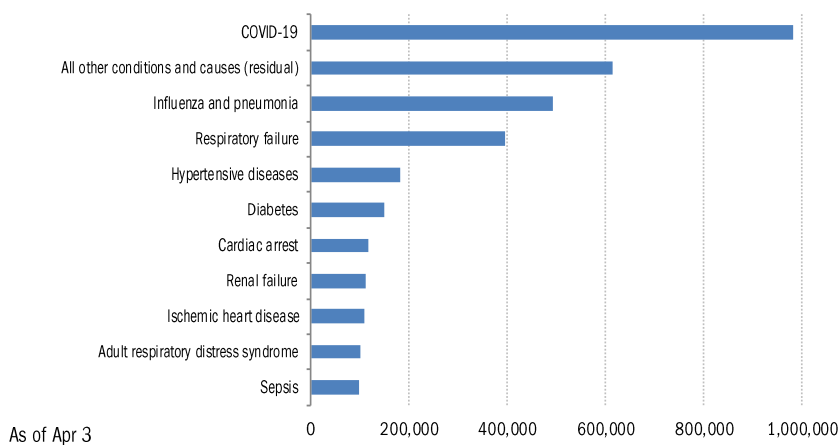


Racial distribution of US cases, fatalities and case-fatality rates



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

[Inflation and the Fog of War](#)

Reuven Brenner
Wall Street Journal
April 14, 2022

[The Doctor Who Exposed Fauci's Fallacies and Got Harassed and Fired from HHS for Telling the Truth](#)

John Dale Dunn
American Thinker
April 14, 2022

[It's Not Just Doctors and Nurses. Veterinarians Are Burning Out, Too.](#)

April Dembosky
Kaiser Health Network
April 15, 2022

[Supply Chain Hurdles Will Outlast Pandemic, White House Says](#)

Ben Casselman and Ana Swanson
New York Times
April 14, 2022

[Pfizer and BioNTech Announce Data Demonstrating High Immune Response Following a Booster Dose of their COVID-19 Vaccine in Children 5 Through 11 Years of Age](#)

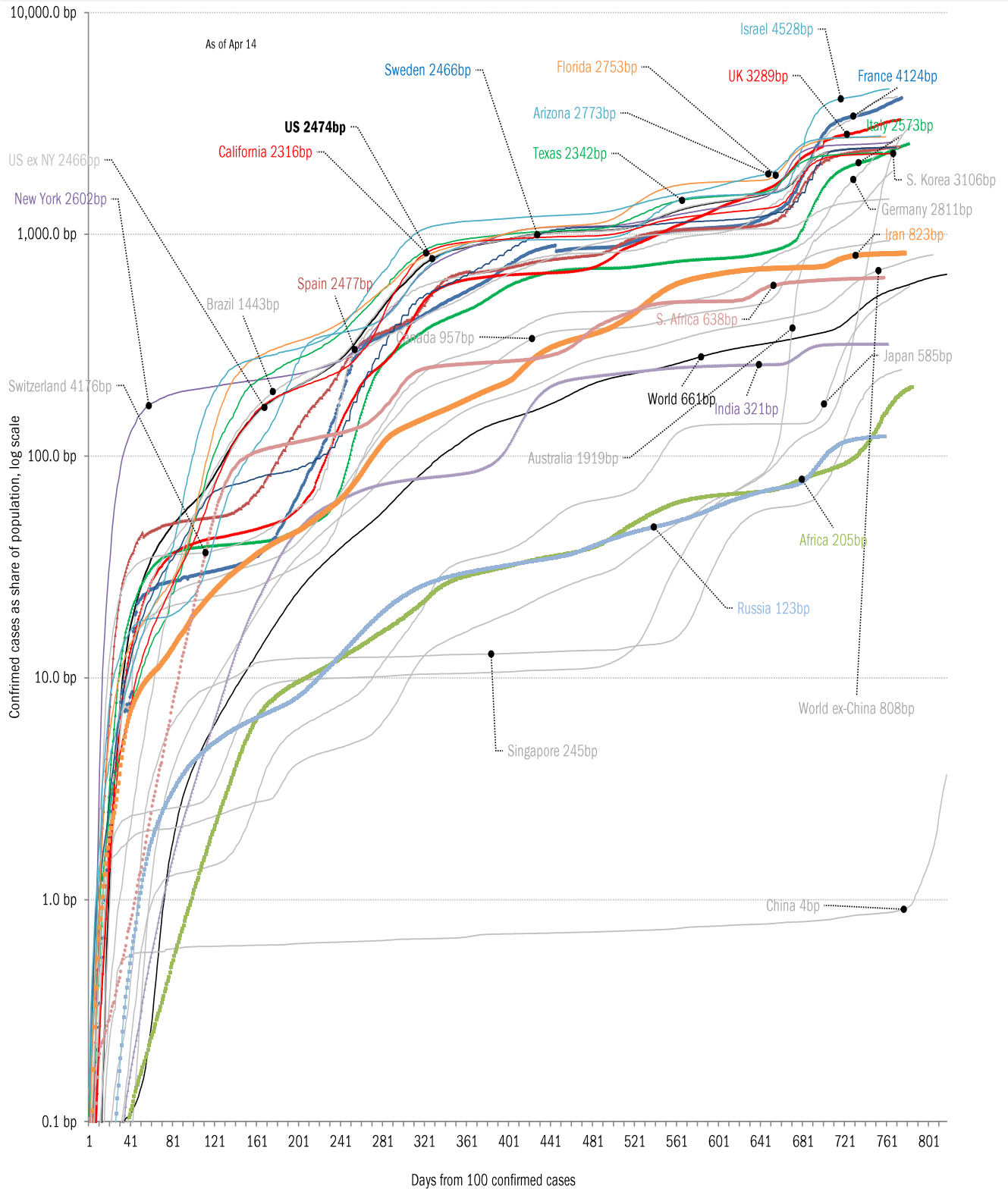
Pfizer
April 14, 2022

Meme of the day



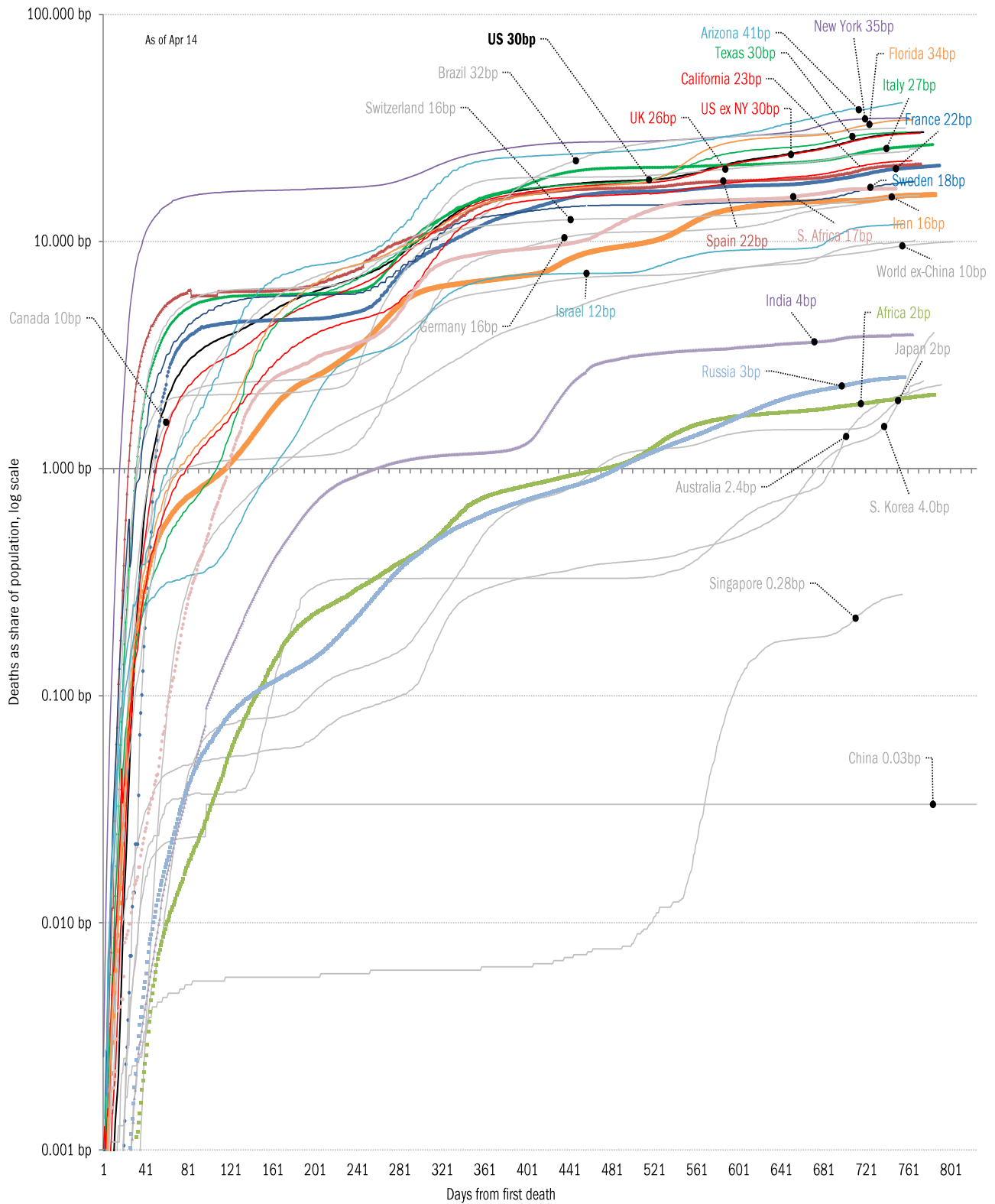
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

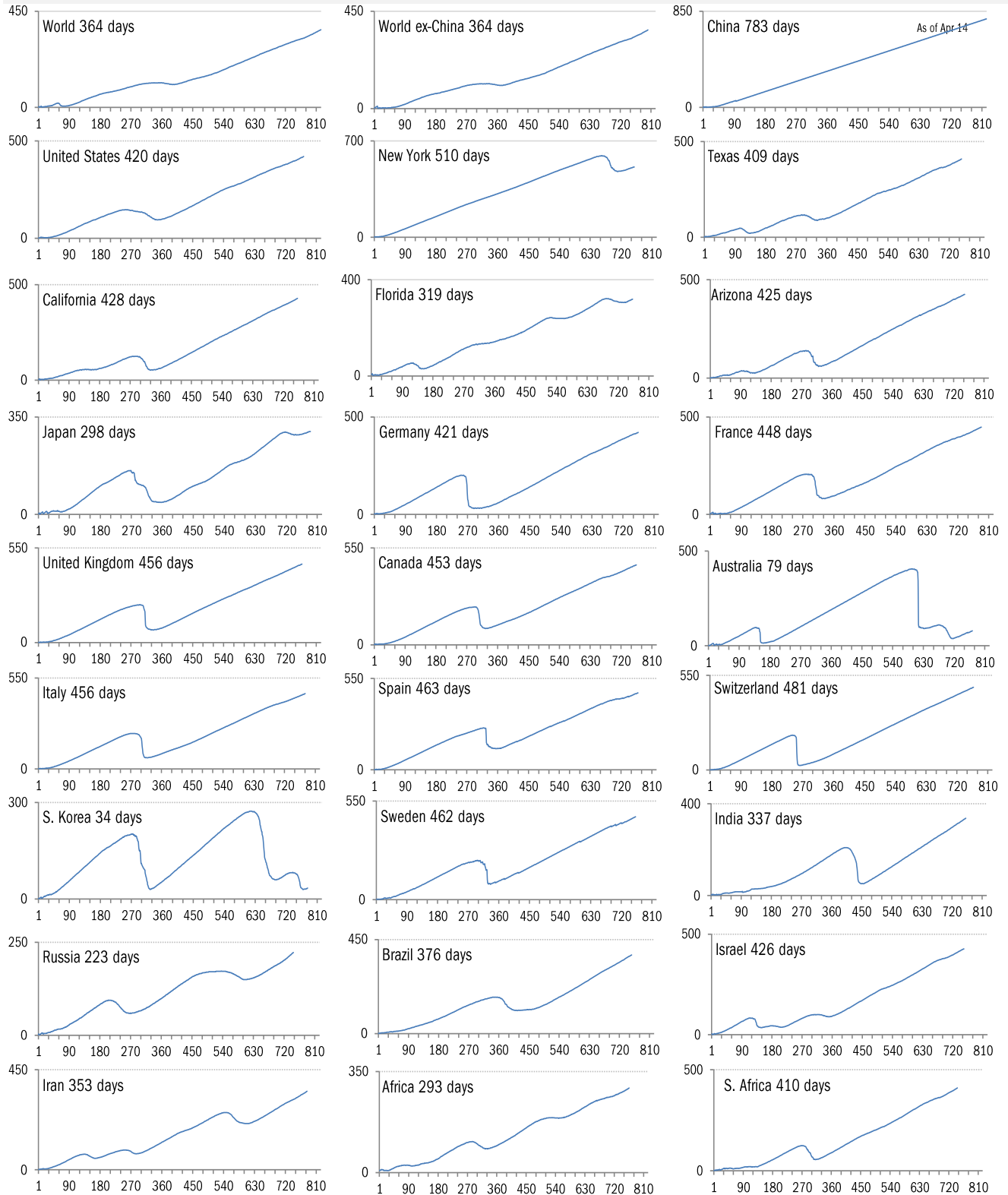


Source: [Johns Hopkins](#), TrendMacro calculations

"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

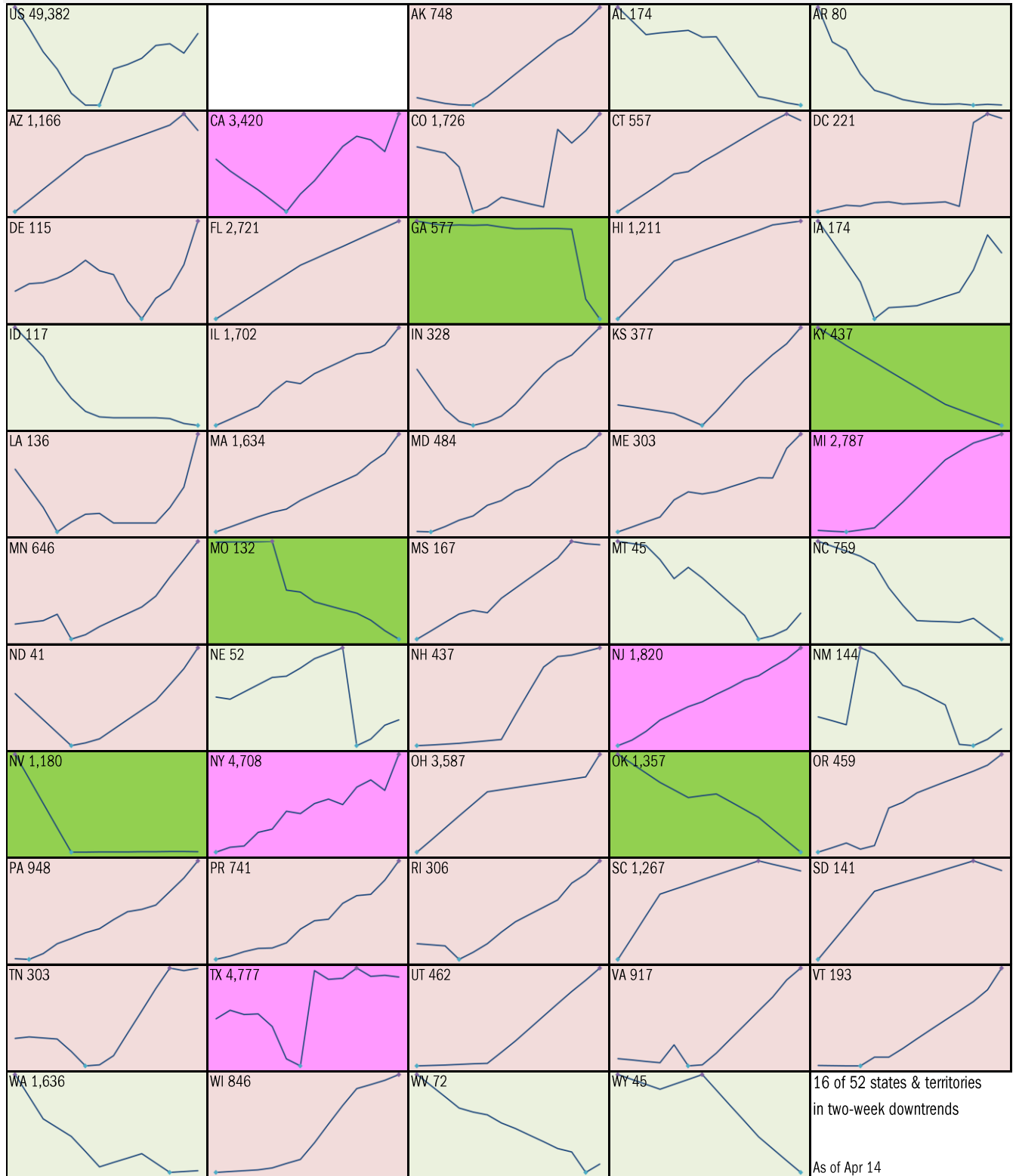


Source: [Johns Hopkins](#), TrendMacro calculations

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

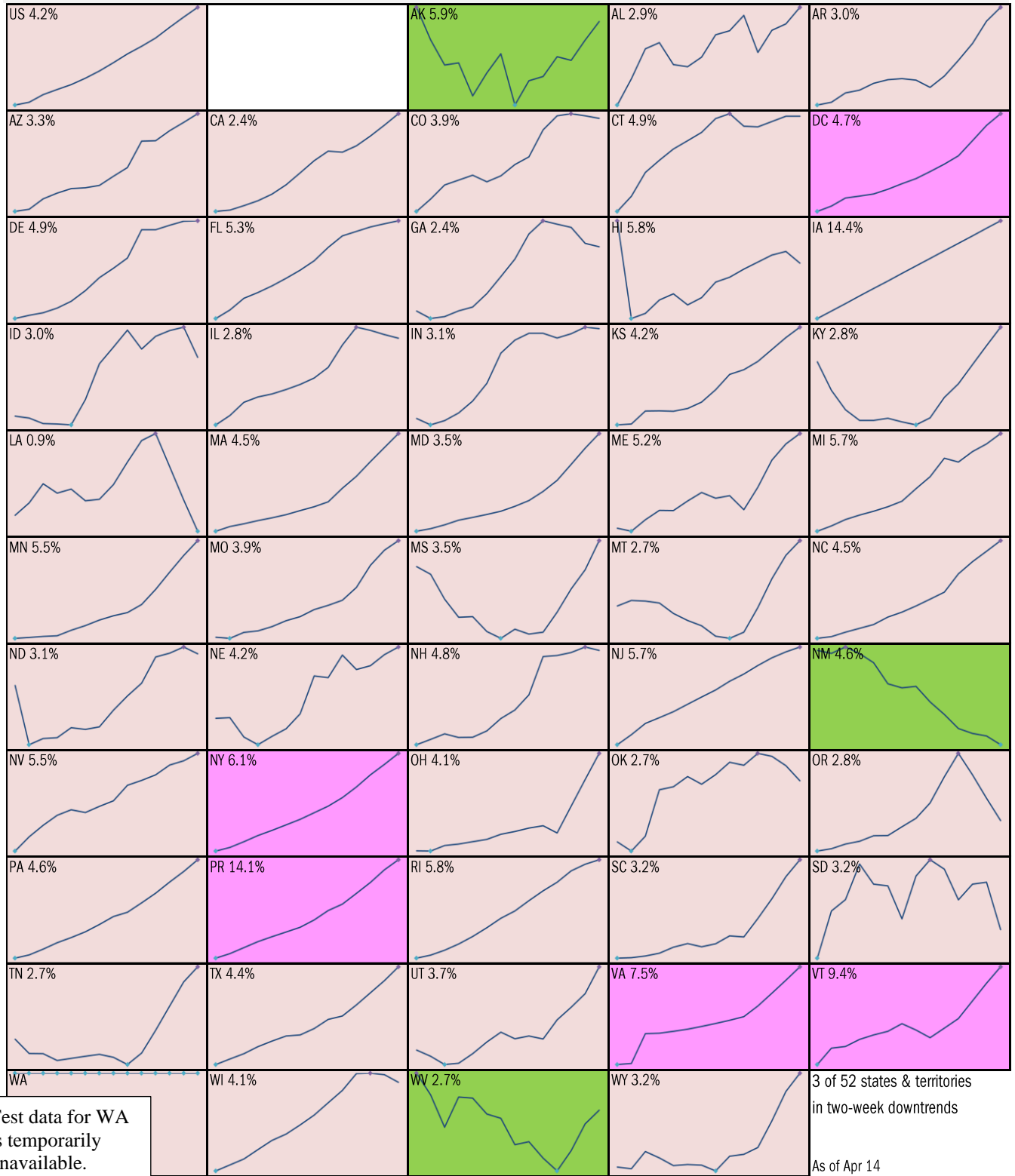


Source: [Johns Hopkins](#), TrendMacro calculations

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

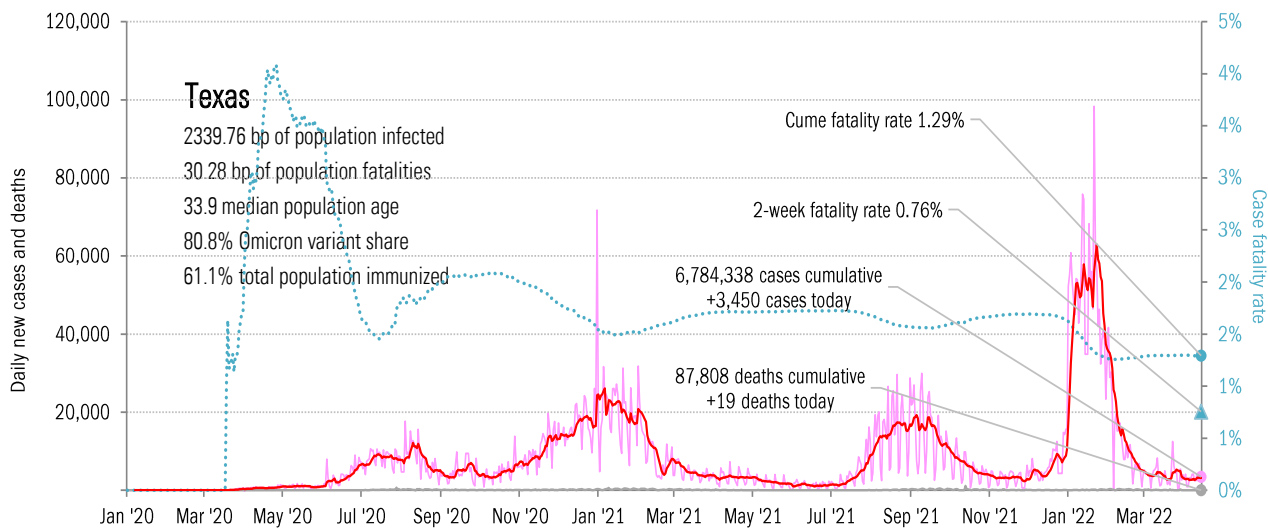
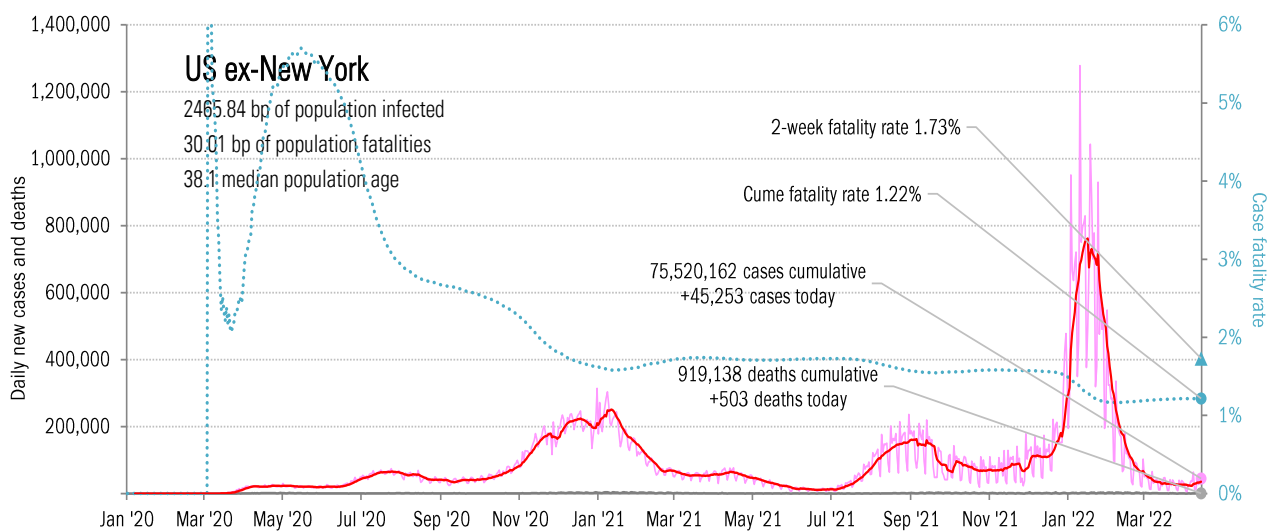
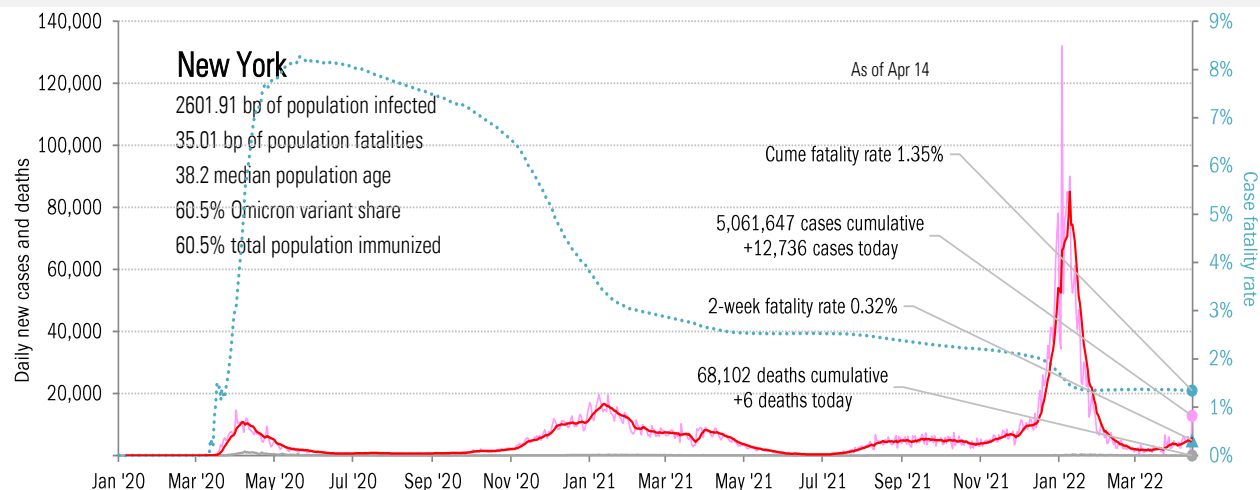


Test data for WA is temporarily unavailable.

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

From Ground Zero to the Rio Grande

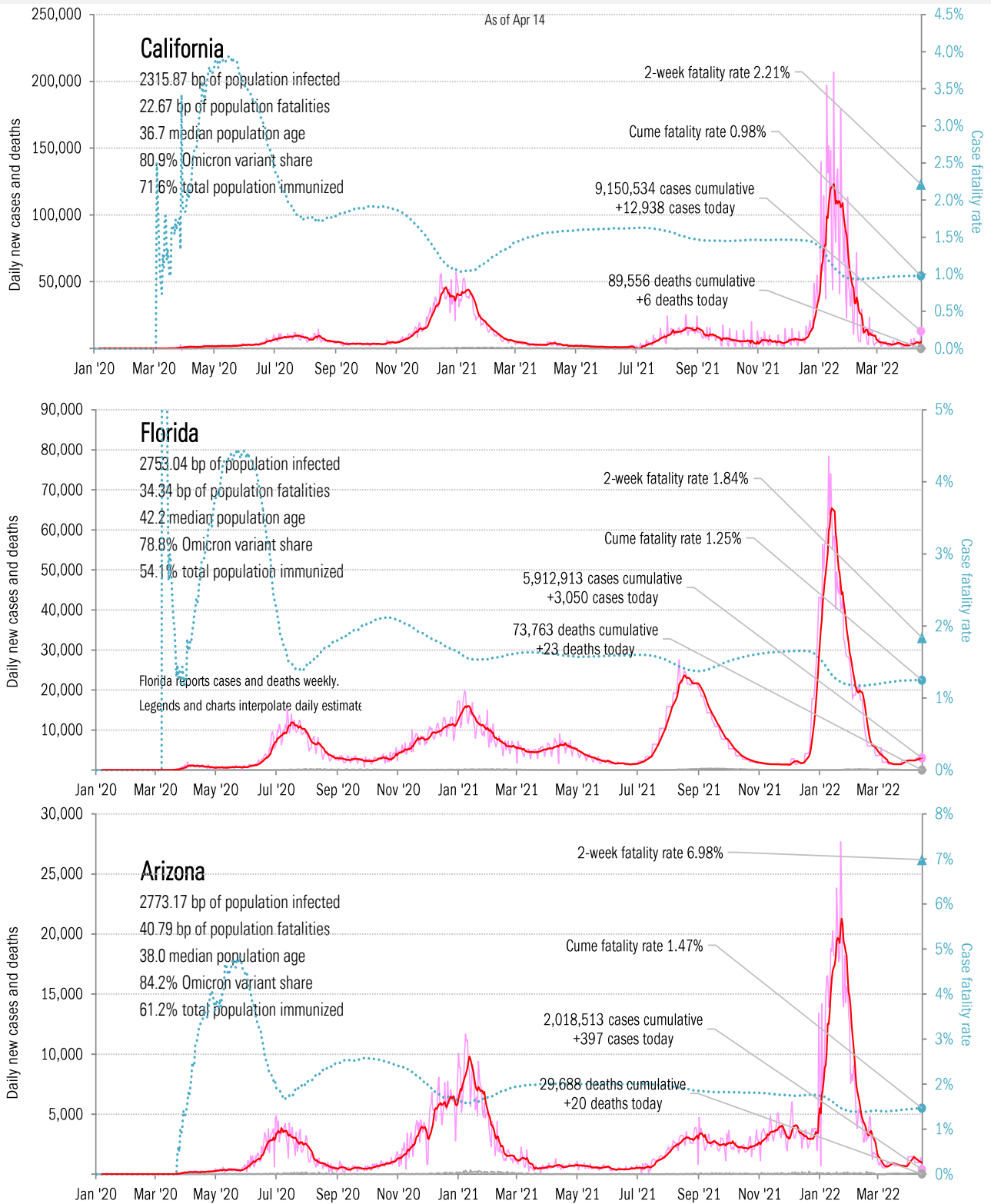
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

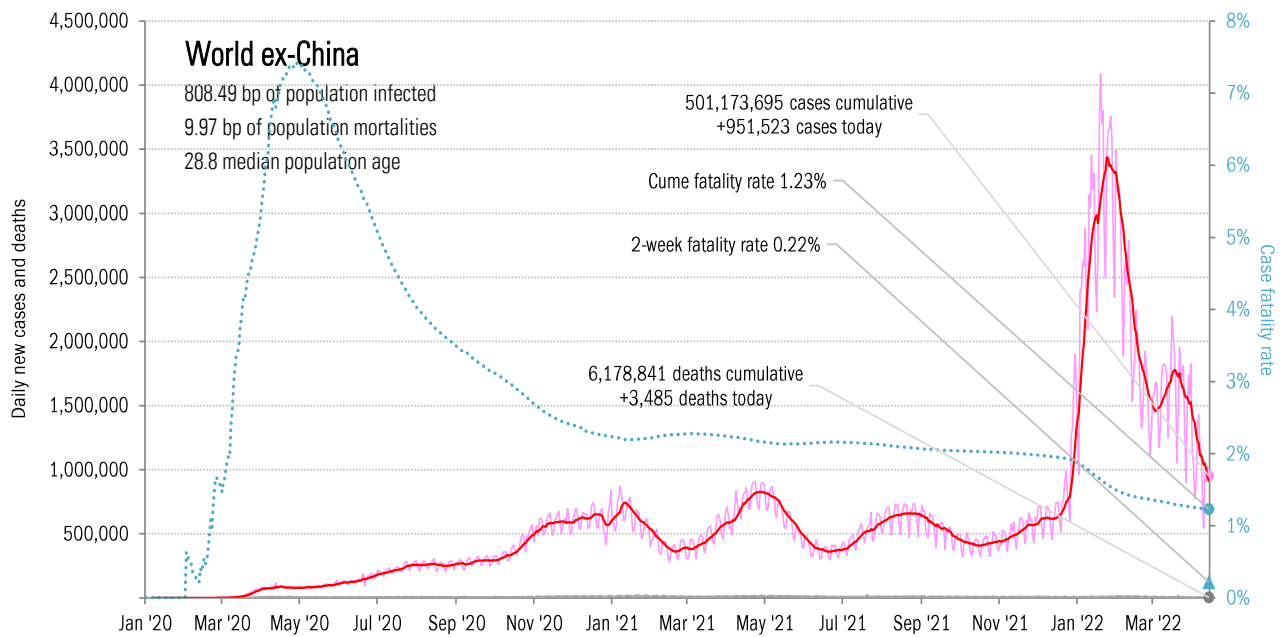
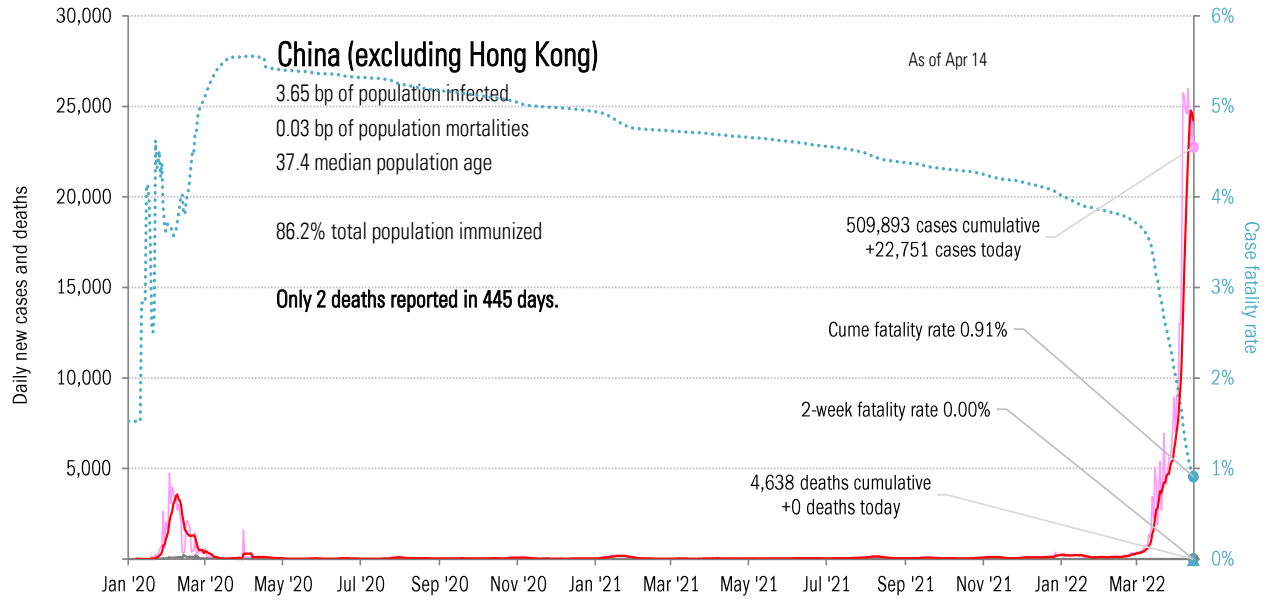
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

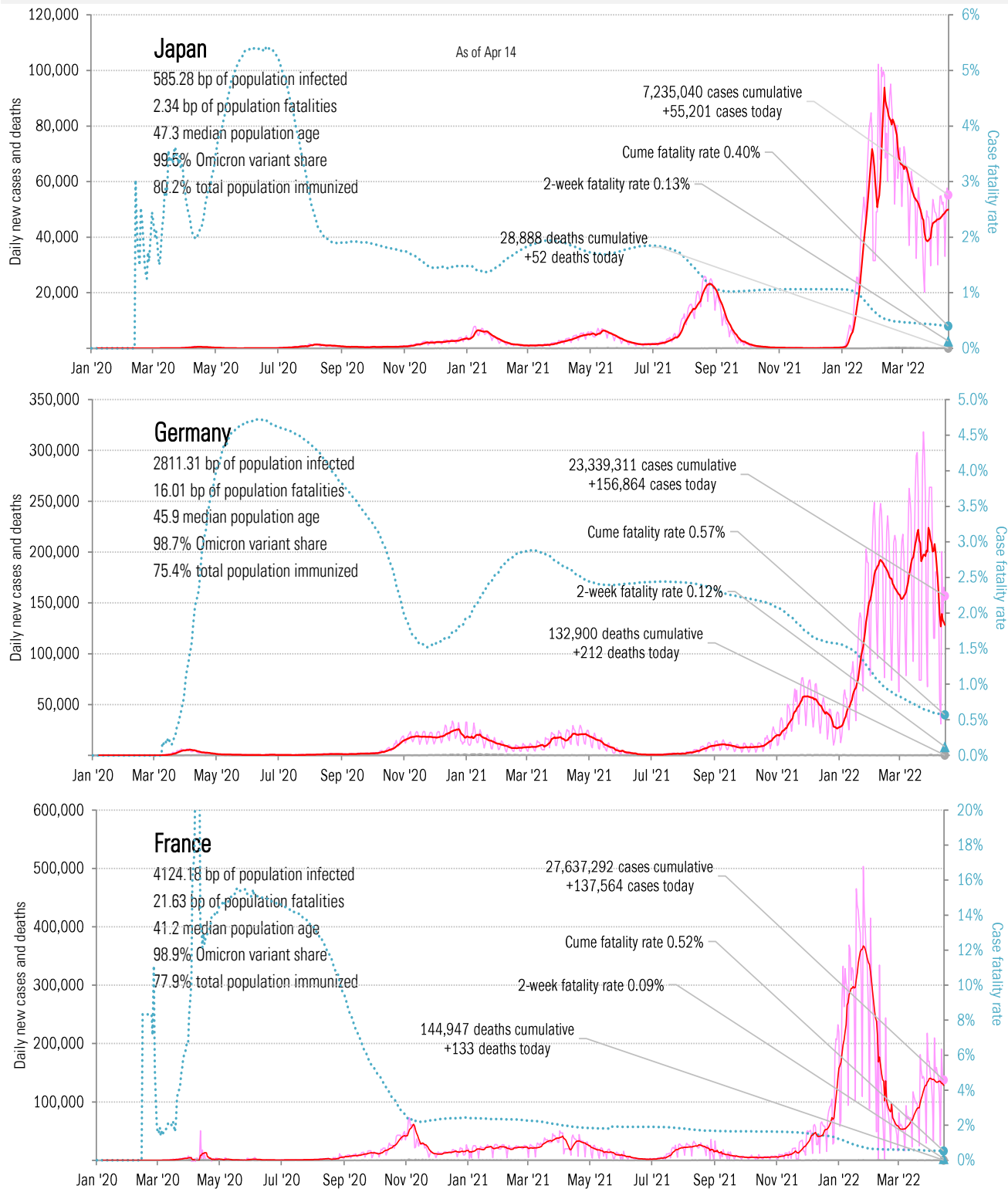
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

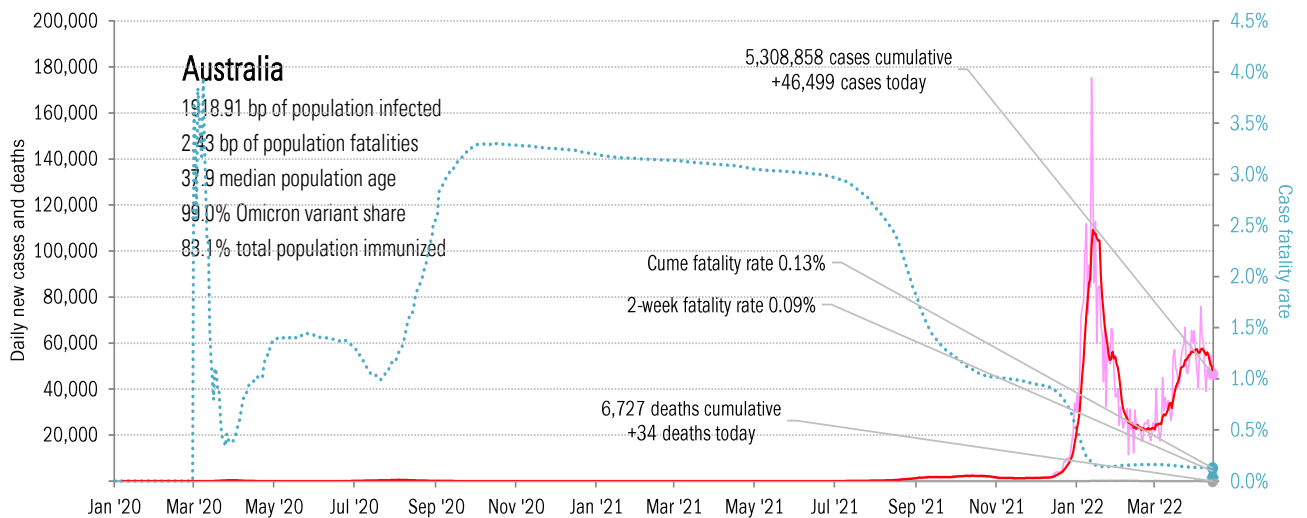
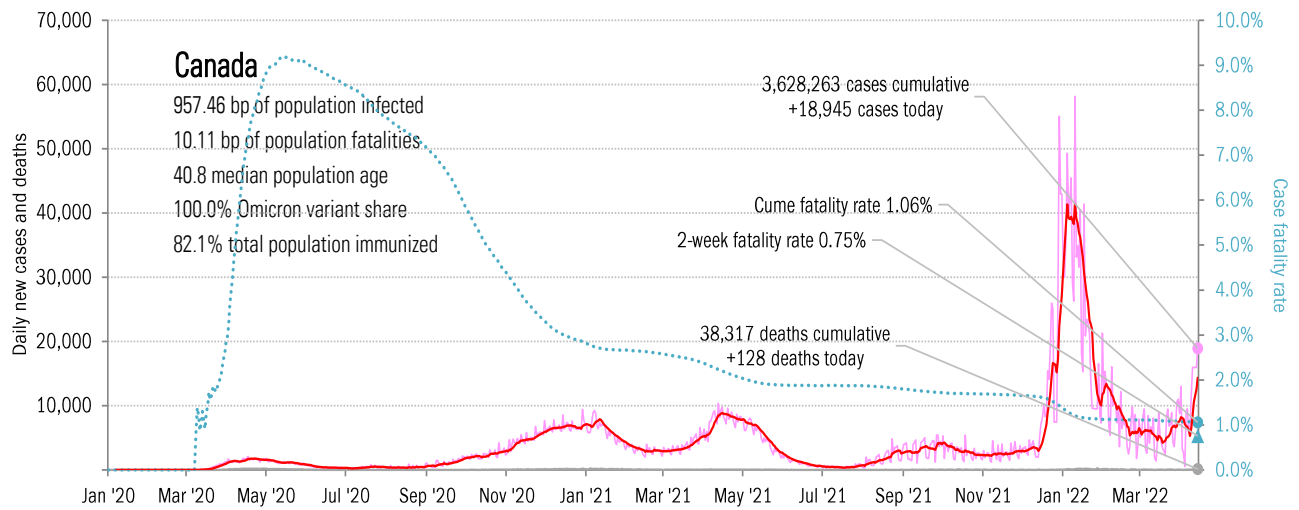
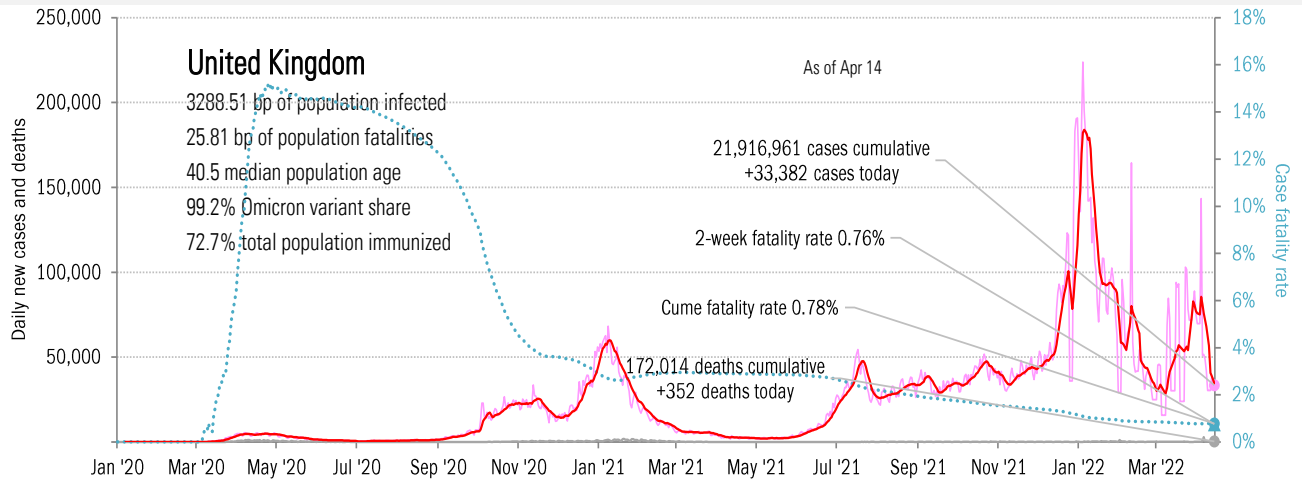
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

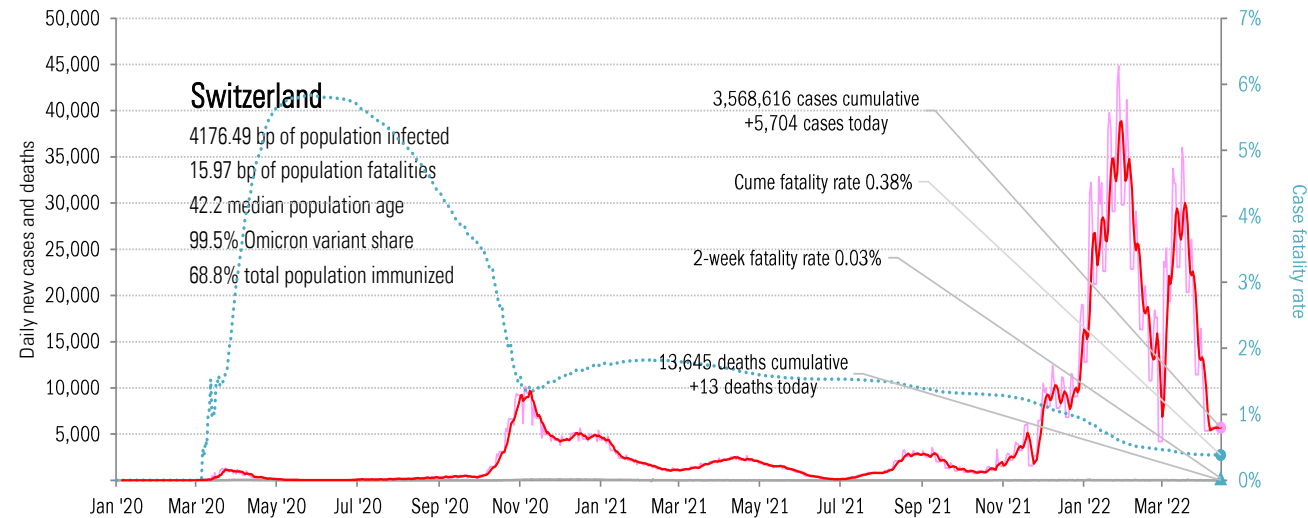
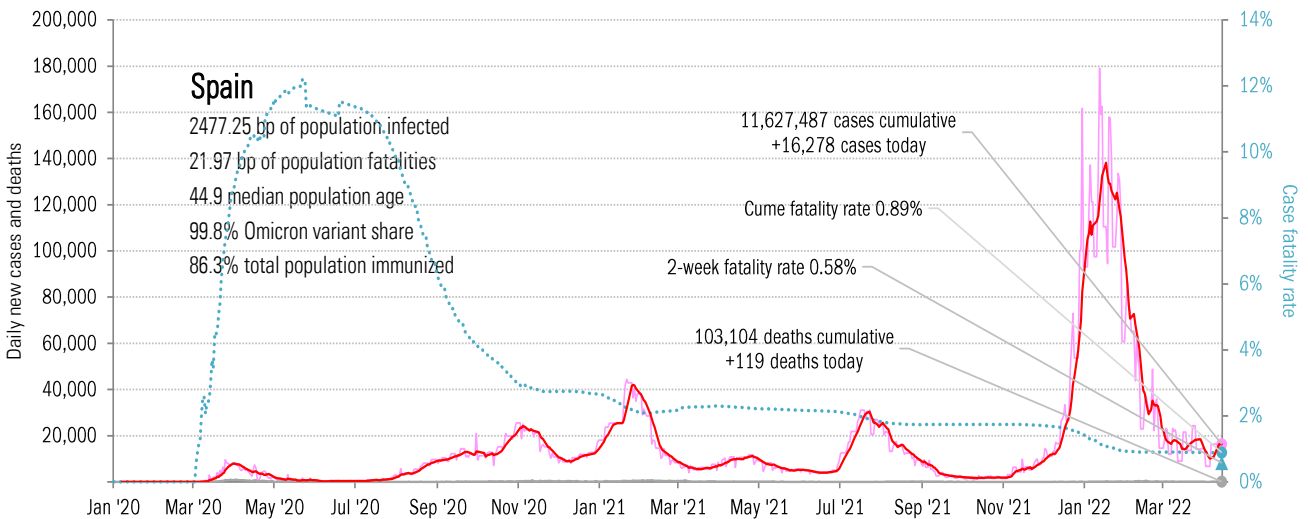
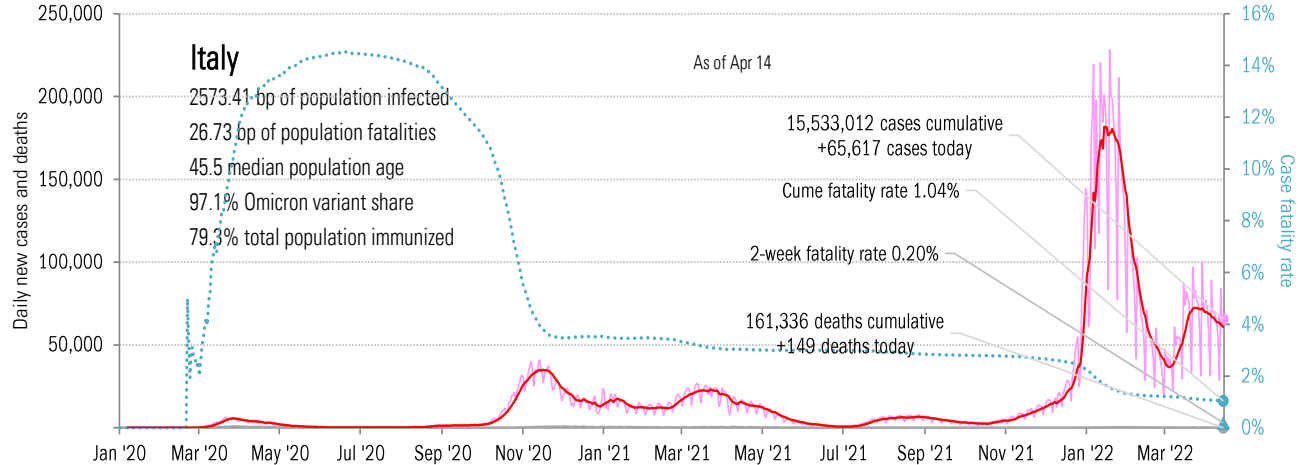
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

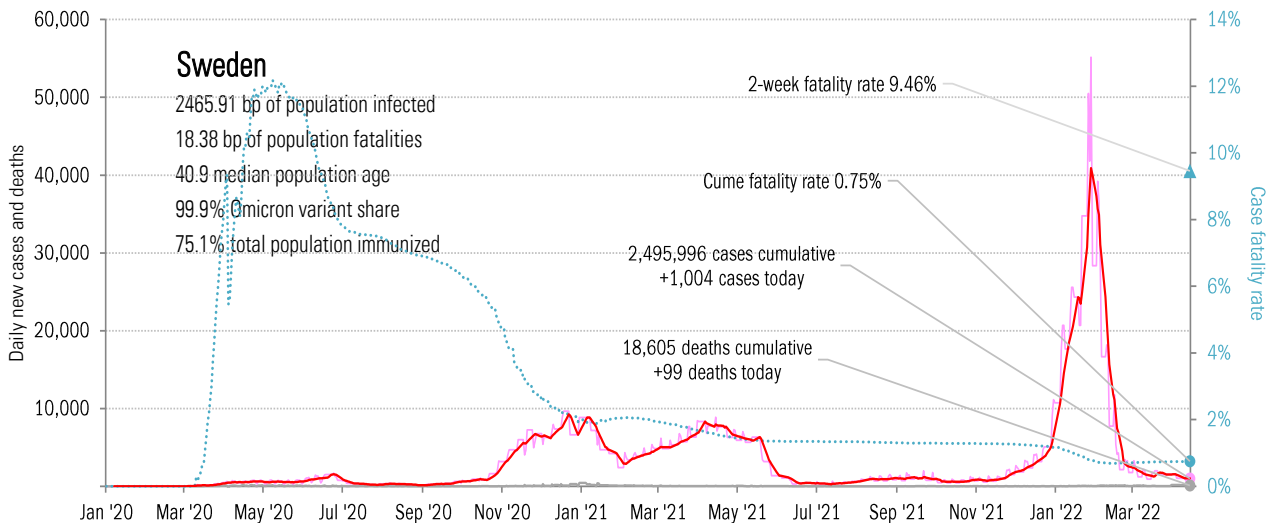
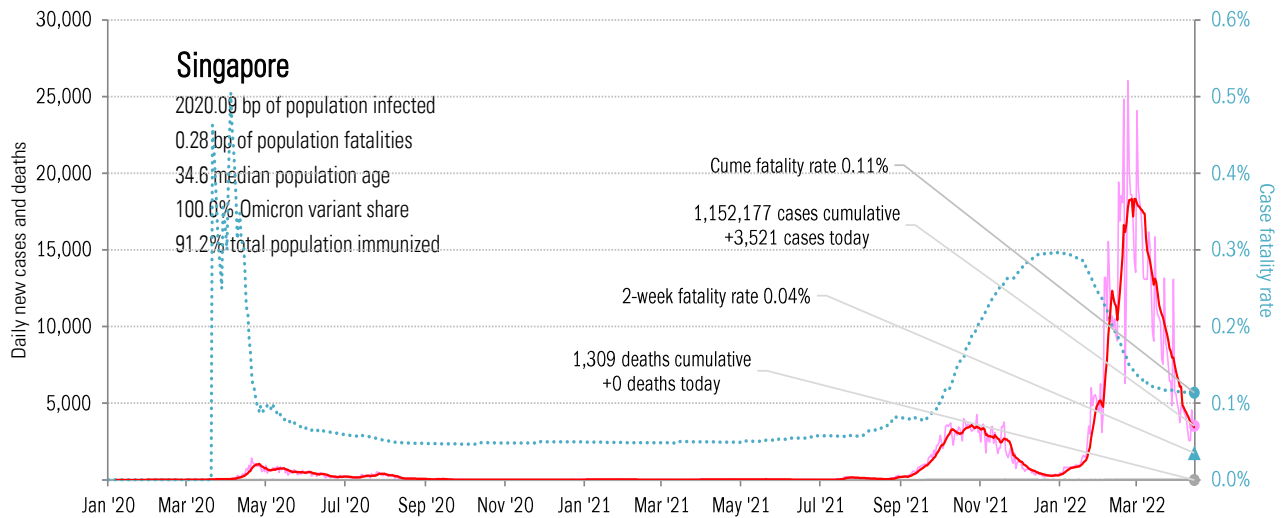
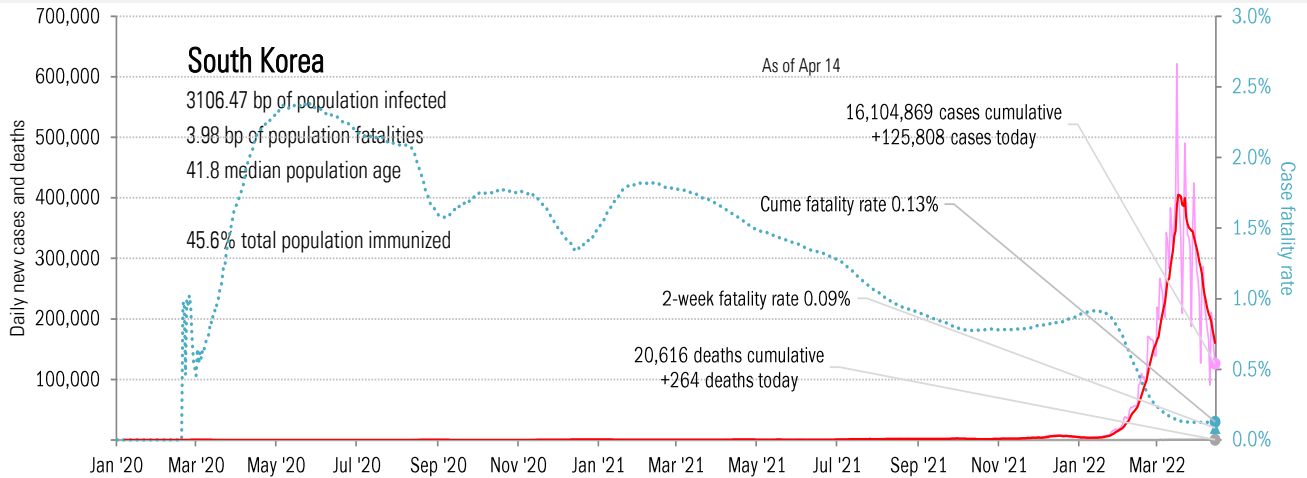
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

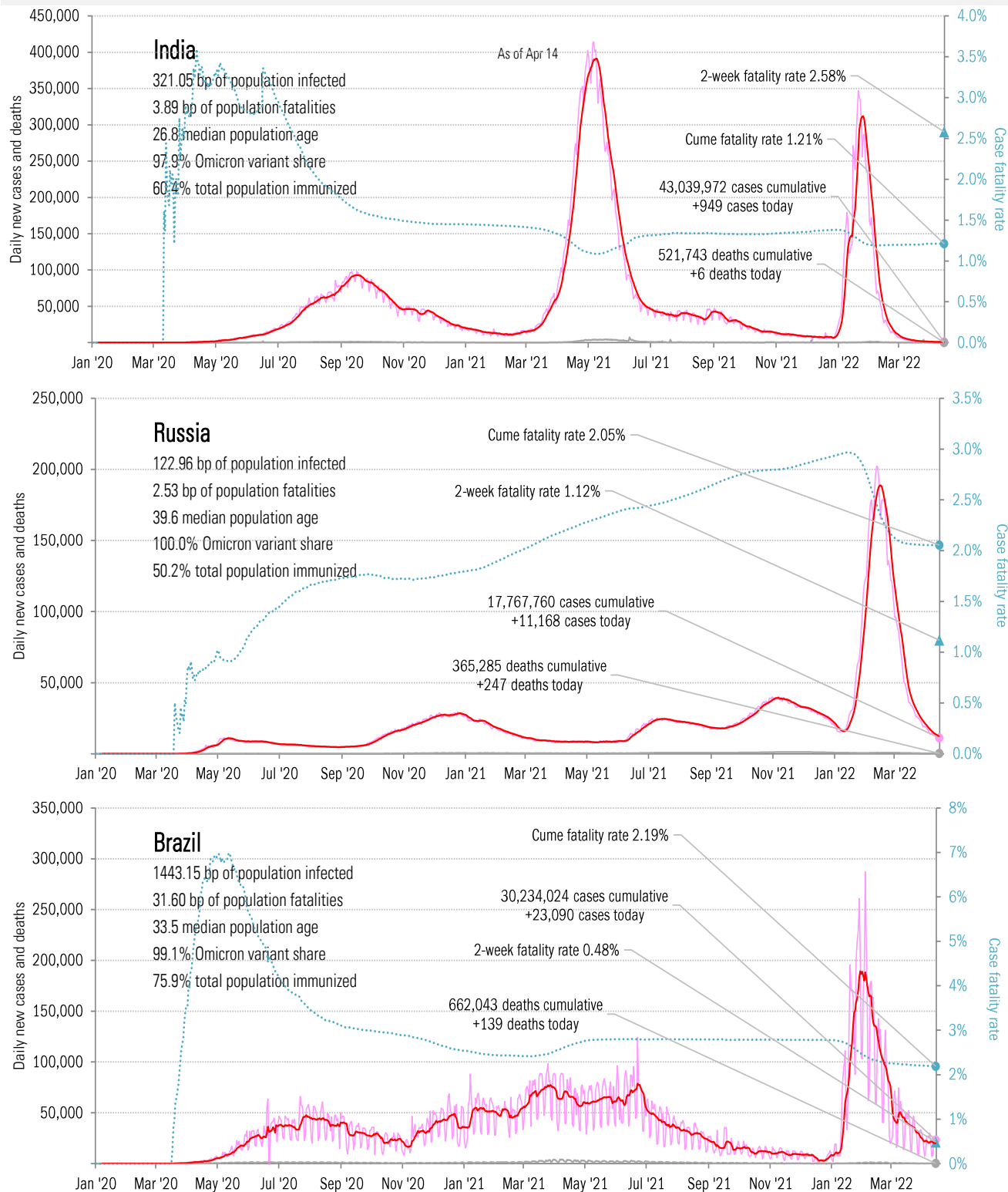
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

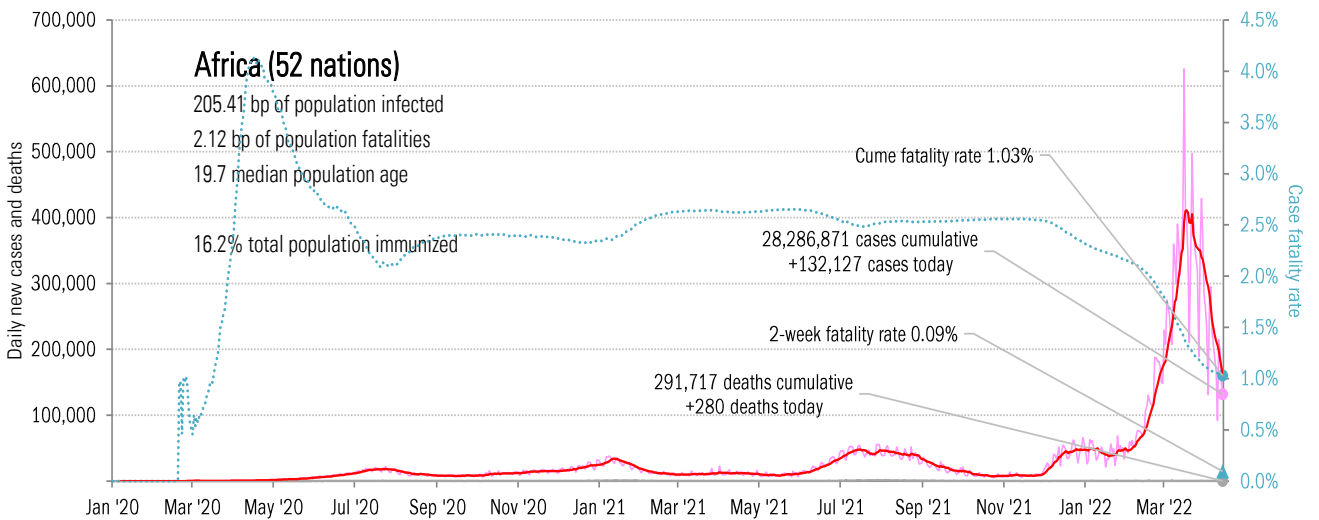
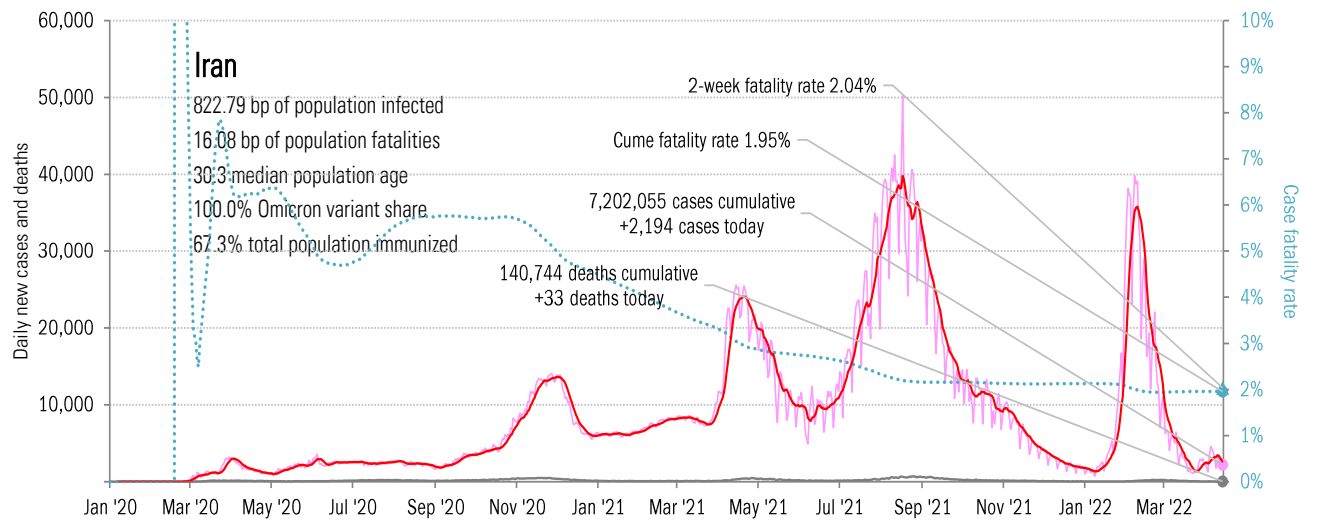
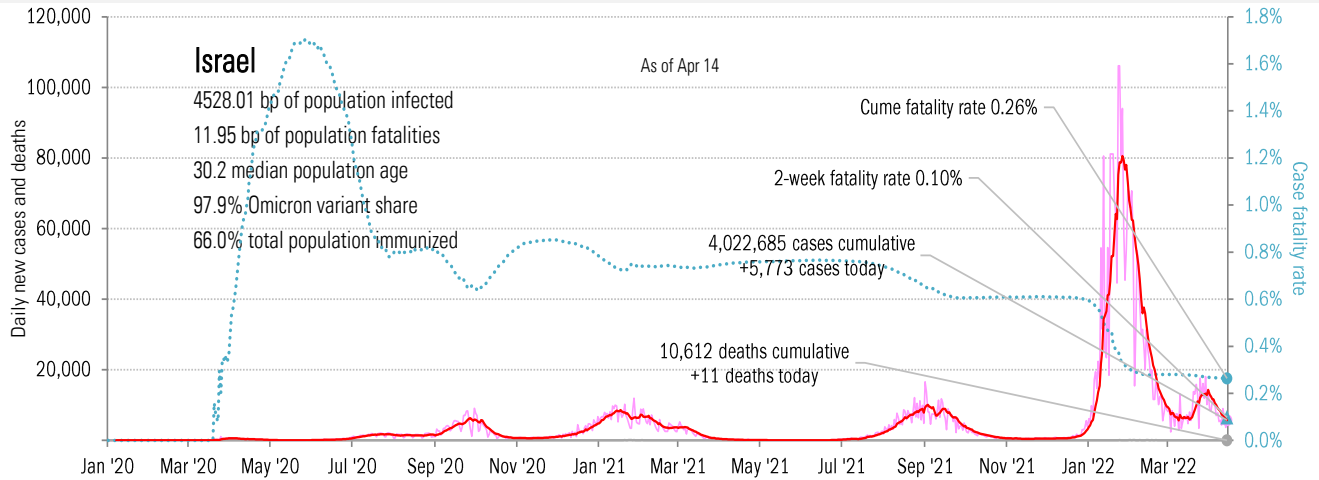
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

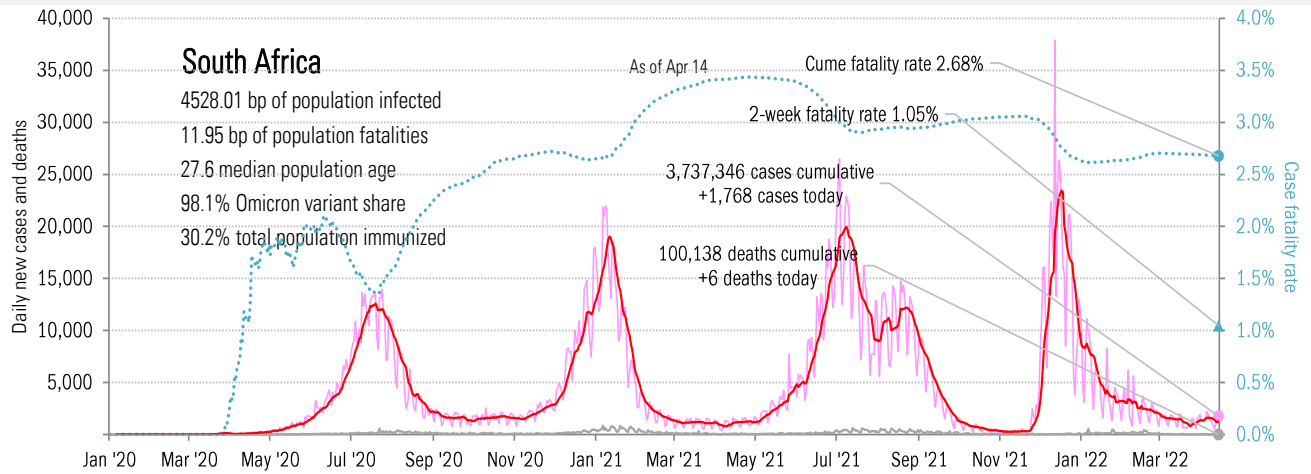
Cases: 7-day average and daily Deaths: Daily



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