

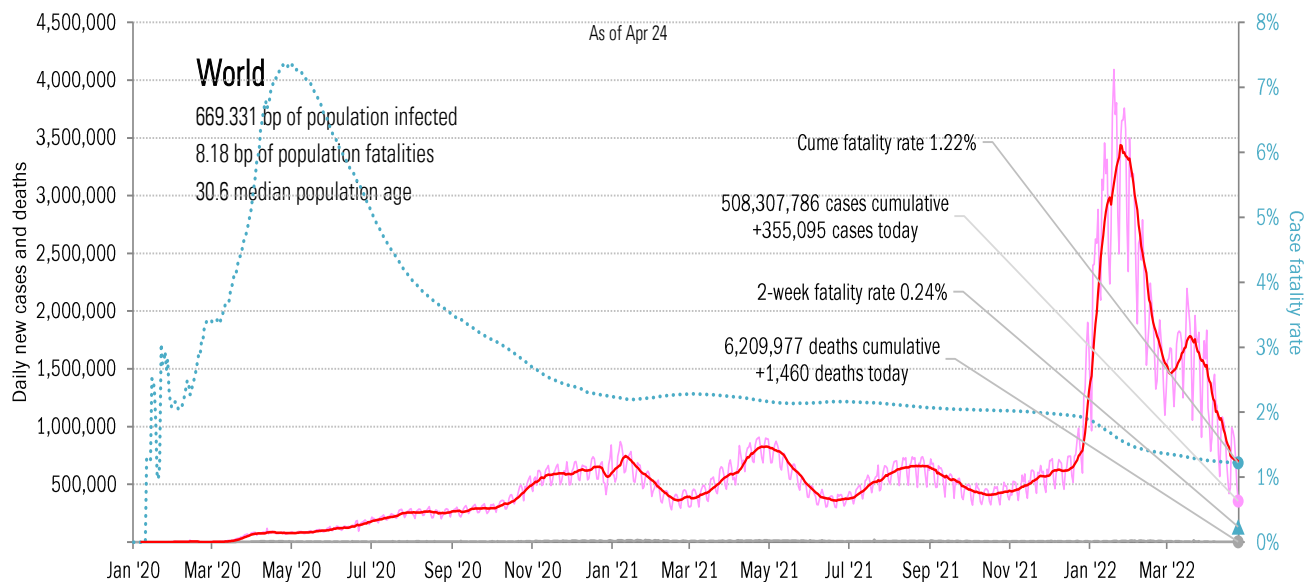
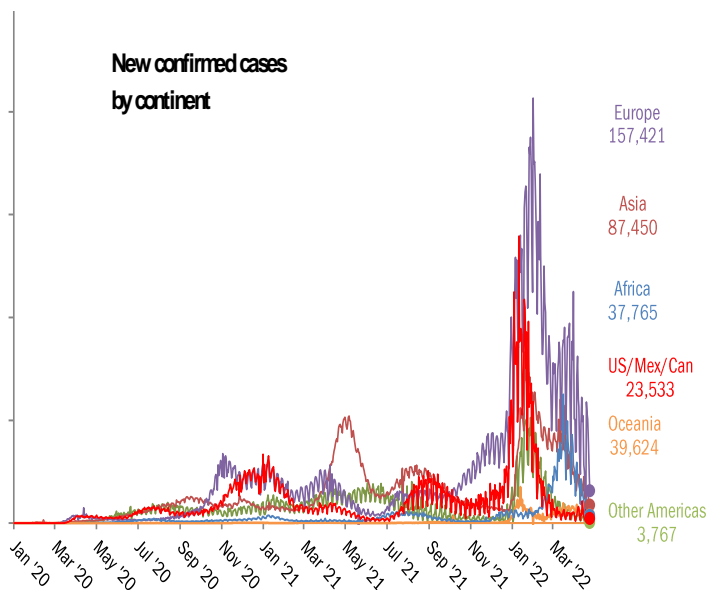
## Data Insights: Covid-2019 Monitor

Monday, April 25, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
France	58,954	United States	524
Italy	56,848	Russia	163
Japan	38,493	Thailand	124
Korea, South	34,370	Korea, South	110
Australia	33,709	Italy	79
Germany	20,084	France	40
United States	18,519	China	39
Thailand	14,994	Brazil	36
Vietnam	8,813	Indonesia	33
Russia	8,293	India	30
<b>293,077</b>		<b>1,178</b>	
World	355,095	World	1,460
Top ten	83%	Top ten	81%



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

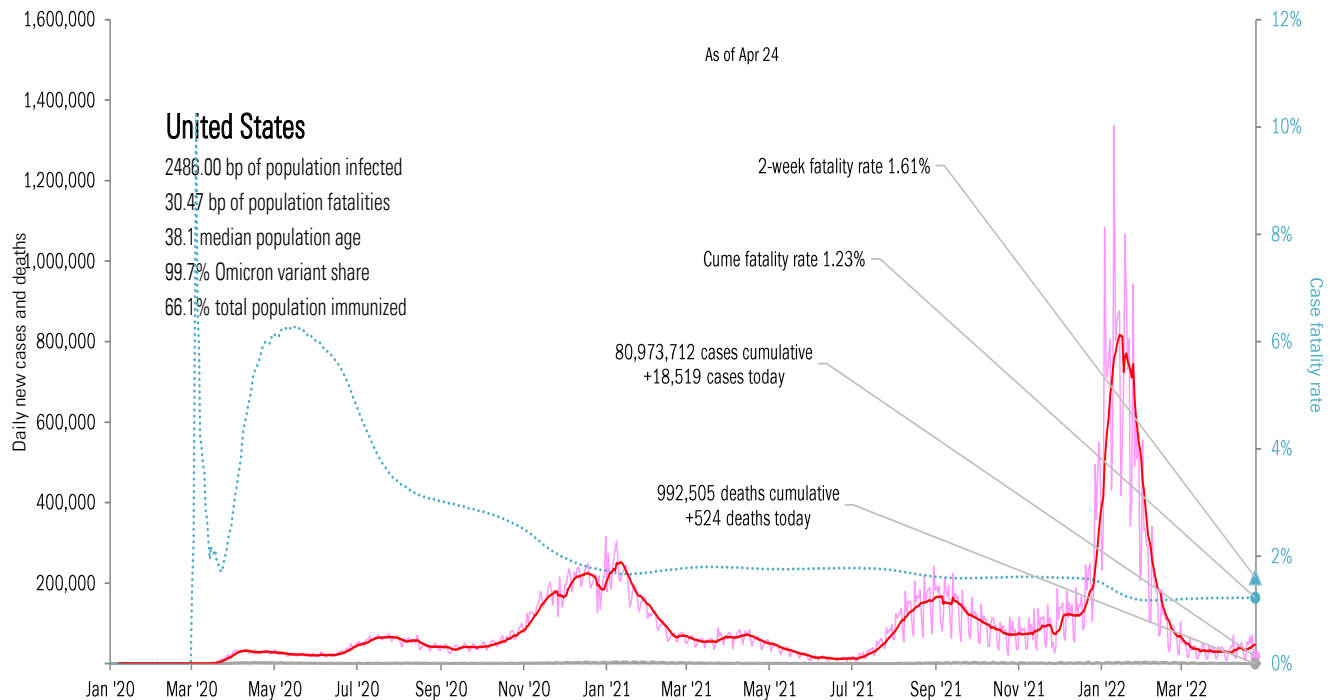
## The ten worst US states

New cases			New deaths		New in hospital		Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	5,196		US state fatality data distorted today due to revisions.	NY	255	CA	9,192,666	CA	90,014	TX	489,562	RI	89%	NM	82%				
NY	5,016	IL		107	TX	6,809,293	TX	88,022	CA	425,796	MA	85%	WA	82%					
FR	4,039	MA		86	FL	5,928,501	FL	73,966	FL	415,932	WA	83%	KY	81%					
NJ	1,685	GA		66	NY	5,123,612	NY	68,231	NY	249,375	MN	83%	TX	81%					
PA	1,187	CA		152	IL	3,114,036	PA	44,608	GA	207,478	MD	82%	RI	80%					
TX	1,008	FL		141	PA	2,808,171	CH	38,360	CH	191,173	MO	82%	DE	80%					
AZ	340	VA		49	CH	2,688,327	GA	37,659	PA	176,774	WV	80%	MA	80%					
KY	215	NJ		83	NC	2,647,650	IL	36,001	IL	157,985	CR	80%	CR	79%					
AR	49	VI		46	GA	2,509,160	MI	35,935	MI	141,973	DC	80%	AL	78%					
AK	0	MI		78	MI	2,411,464	NJ	33,376	KY	133,070	DE	80%	AK	78%					
18,734			47		1,063		43,232,880			546,172			2,589,178						
All states	18,519			524		1,902	All states	80,973,712		992,505		4,701,313	All states	70%		67%			
Top ten	101%			9%		56%	Top ten	53%		55%		55%	Median	74%		72%			

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AZ	-2,341	FL	-95	CO	-15	IA	+10 bp
TX	-1,256	DE	-9	AL	-11	IN	+10 bp
NJ	-847	PA	-4	MS	-10	MD	+10 bp
PA	-810	TX	-3	TN	-9	MI	+10 bp
CK	-614	DC	-2	CK	-8	MN	+10 bp

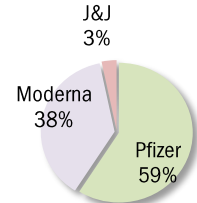


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	587,820,387		+0.211 million	US	66.1%	77.5%
Boosters	101,363,373		+0.039 million	UK	72.8%	77.8%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	265,002,452	79%	225,629,268	68%	+0.030 million	France 77.9% 80.2%
Age 12 to 17	17,691,356	70%	15,088,467	60%	+0.002 million	Spain 86.4% 88.1%
Age 18 to 64	178,283,563	88%	151,242,052	74%	+0.016 million	Germany 75.4% 76.0%
Age 65 and over	58,776,201	100%	51,055,450	93%	+0.008 million	Italy 79.3% 84.1%

Australia	83.3%	86.4%
Israel	66.0%	72.2%
Canada	82.1%	87.6%
Japan	80.4%	81.8%
Africa	16.2%	21.3%
India	61.0%	71.8%
Brazil	76.3%	85.2%
China	86.3%	88.8%



State
AK
69.7%
62.2%

State
At least partial immunity as % population
Full immunity as % population

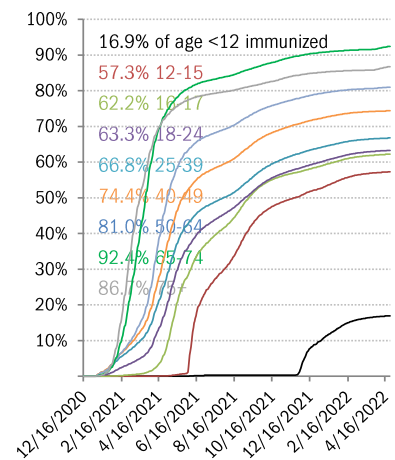
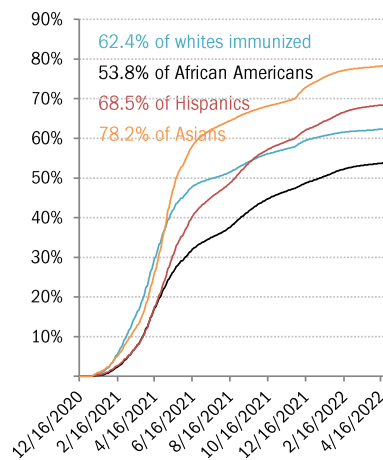
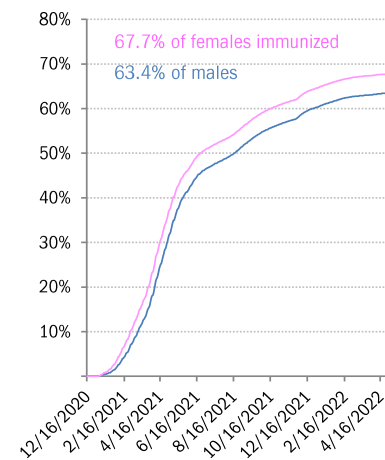
Best
Middle
Worst

\*Immunity\* = two doses

As of Apr 24

					WI					ME
					71.8%					90.2%
					65.5%					79.4%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.7%	61.0%	65.1%	64.8%	75.0%	76.6%	66.9%		90.1%	93.3%	87.8%
72.5%	54.0%	56.7%	54.9%	69.1%	68.6%	60.1%		76.8%	81.0%	70.1%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.8%	75.1%	58.7%	76.3%	67.9%	61.4%	63.5%	84.7%	90.2%	95.0%	
69.5%	60.7%	51.5%	61.3%	61.9%	54.8%	58.3%	68.3%	75.5%	78.8%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
83.6%	72.0%	79.3%	70.2%	66.1%	66.1%	64.9%	85.5%	86.3%	95.0%	95.0%
71.9%	64.2%	70.1%	63.5%	56.0%	57.3%	57.5%	73.1%	75.5%	79.0%	82.3%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	72.9%	87.5%	74.4%	66.6%	62.1%	84.0%	67.3%	95.0%	82.9%	
	61.5%	70.9%	61.3%	54.3%	54.4%	60.9%	56.6%	73.9%	68.9%	
			OK	LA	MS	AL	GA			
			71.0%	60.9%	59.5%	62.6%	65.3%			
			57.1%	53.4%	51.7%	51.0%	54.6%			
			TX					FL		PR
			72.9%					79.2%		94.8%
			61.3%					66.9%		82.9%

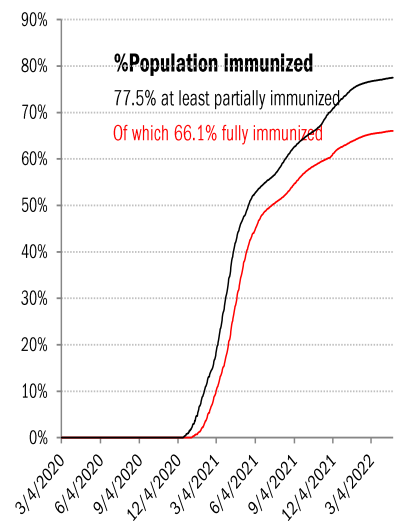
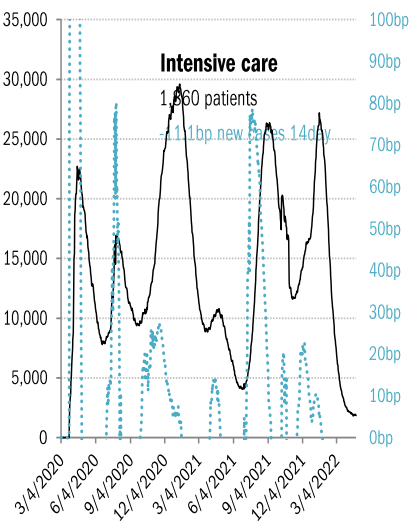
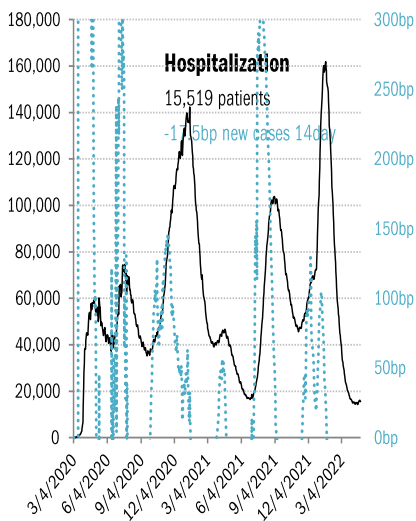
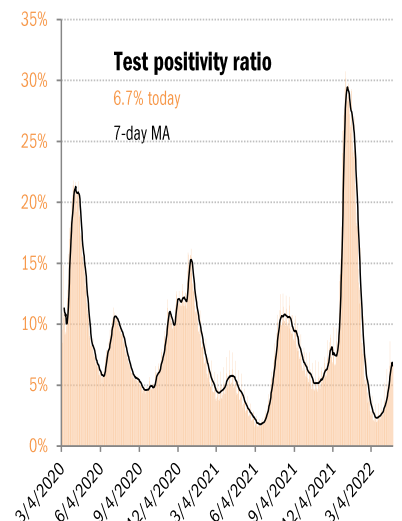
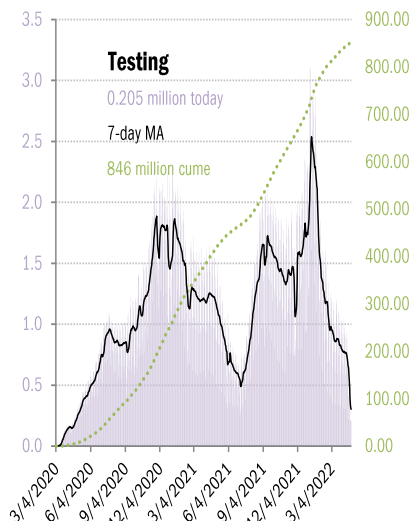
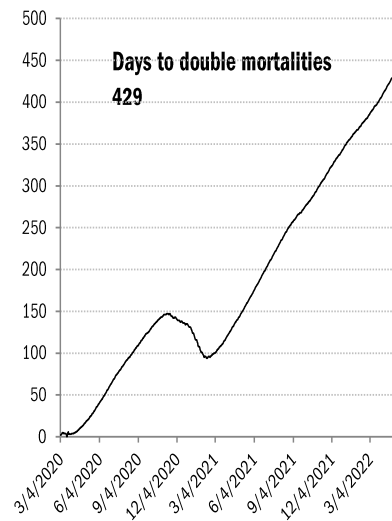
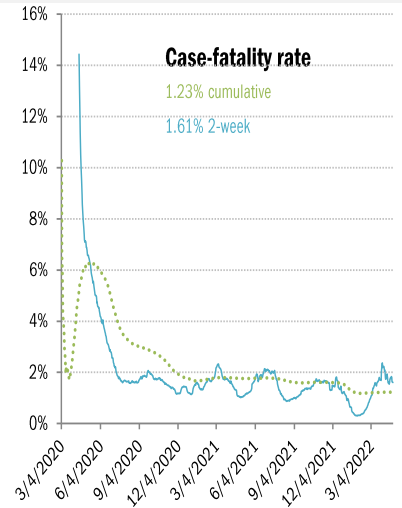
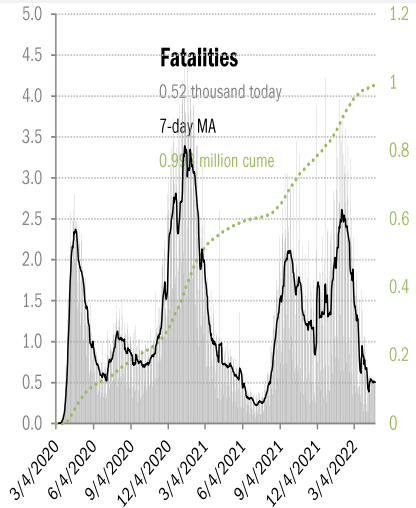
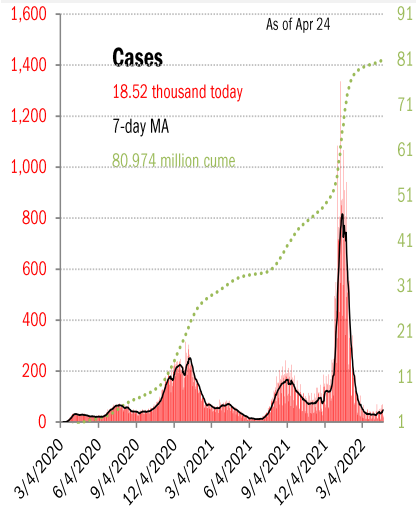
## The demographics of US vaccination



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

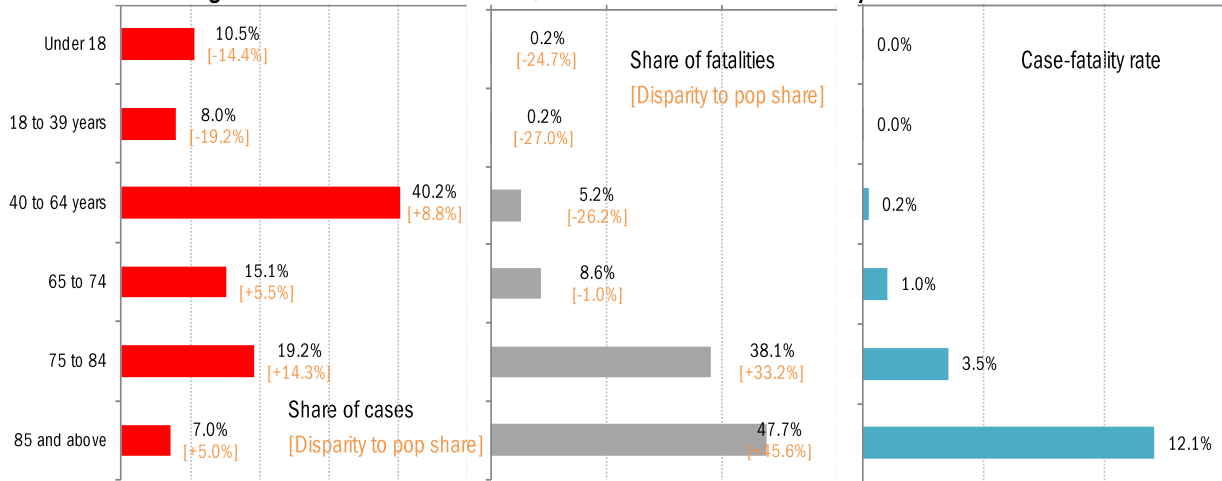
# US deep-dive

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

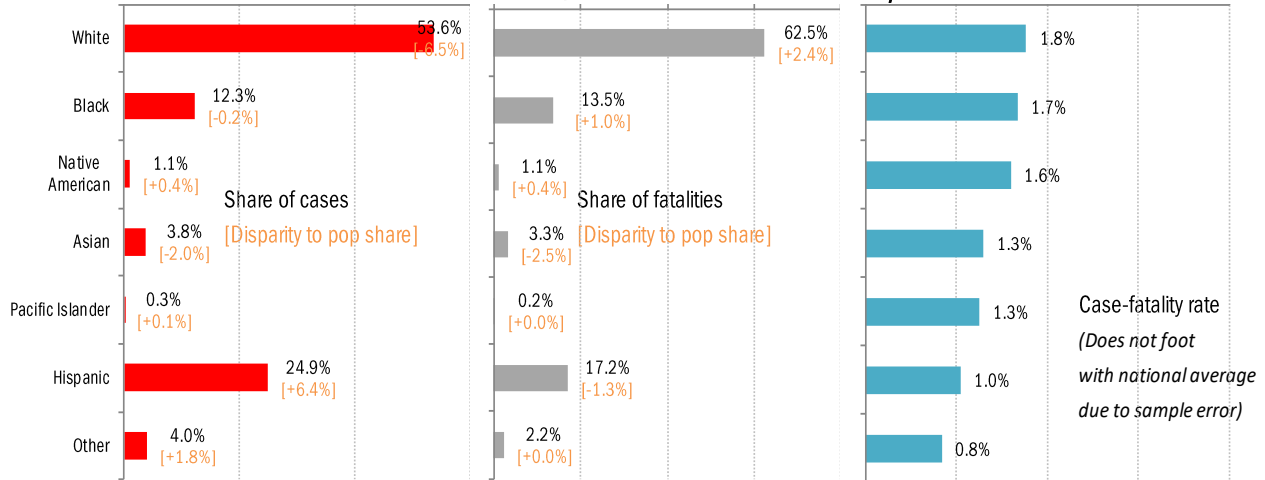


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

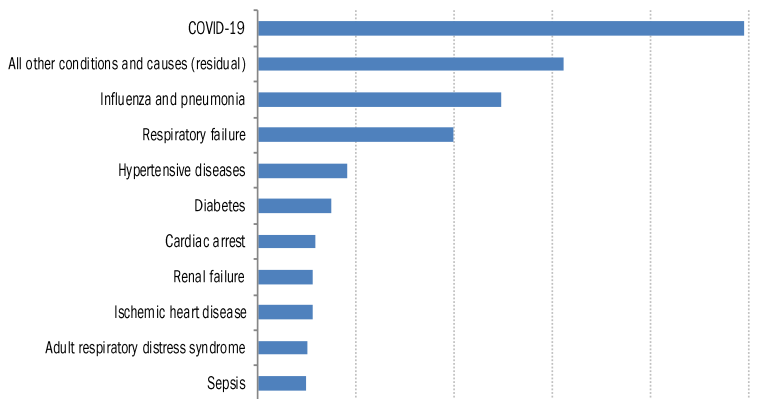


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Apr 17

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

[Their mom died of COVID. They say conspiracy theories are what really killed her](#)

Geoff Brumfiel  
*NPR*  
April 24, 2022

[Connecting the Dots on Early COVID Treatments](#)

Antonio R. Chaves  
*American Thinker*  
April 23, 2022

[Fauci's condemnation of the judiciary reeks of totalitarianism](#)

Christopher Tremoglie  
*Washington Examiner*  
April 24, 2022

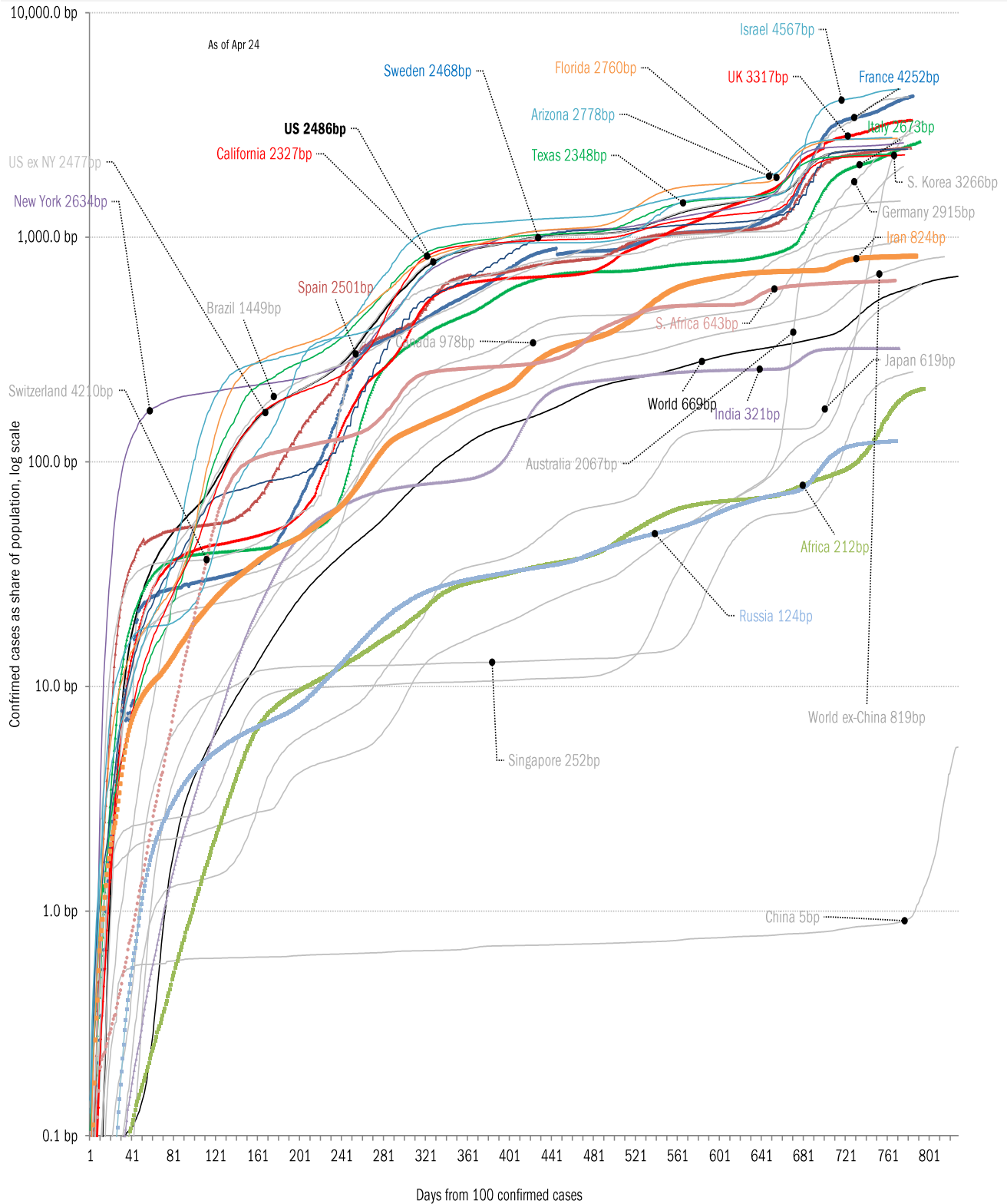
## Meme of the day



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

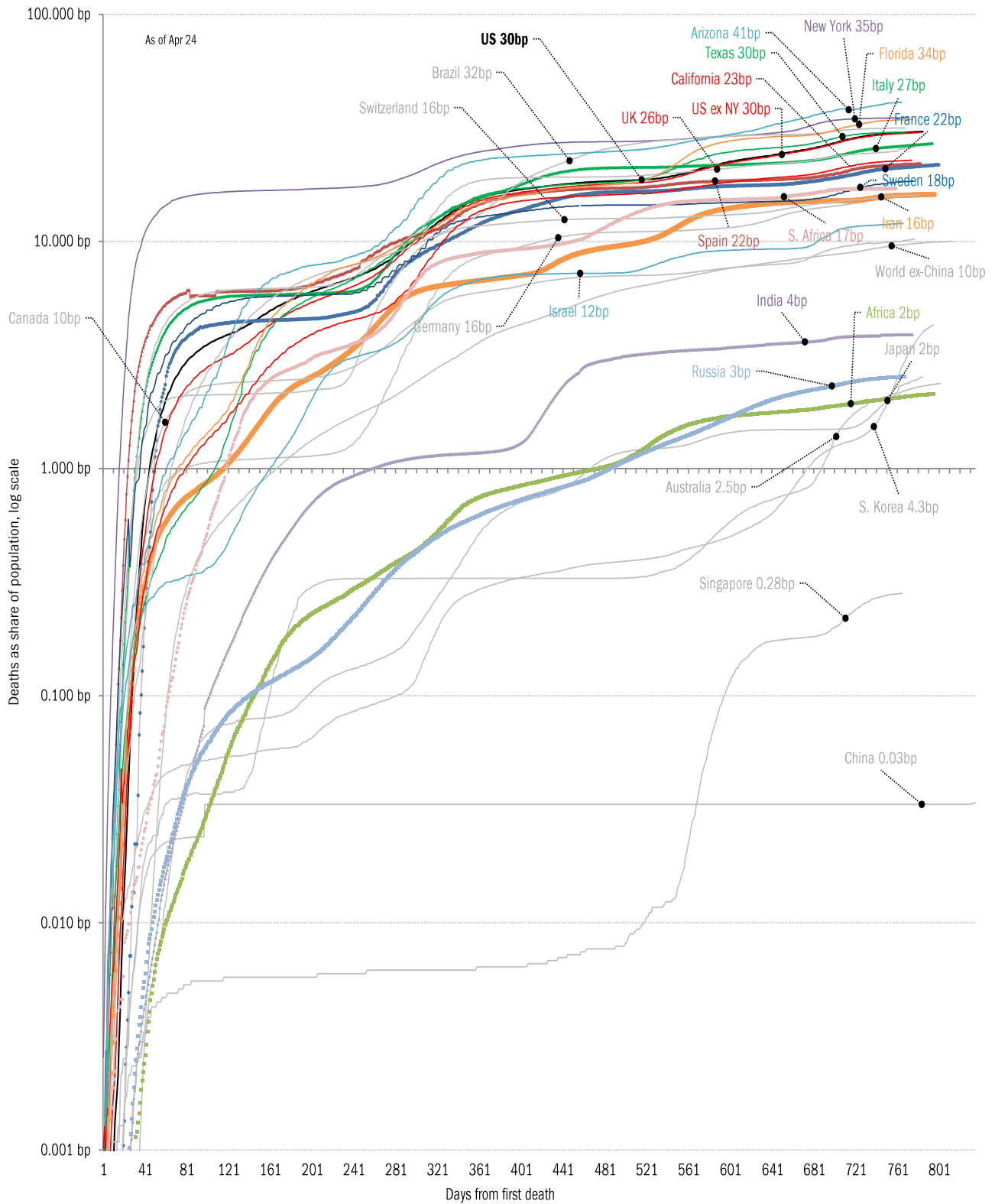


The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



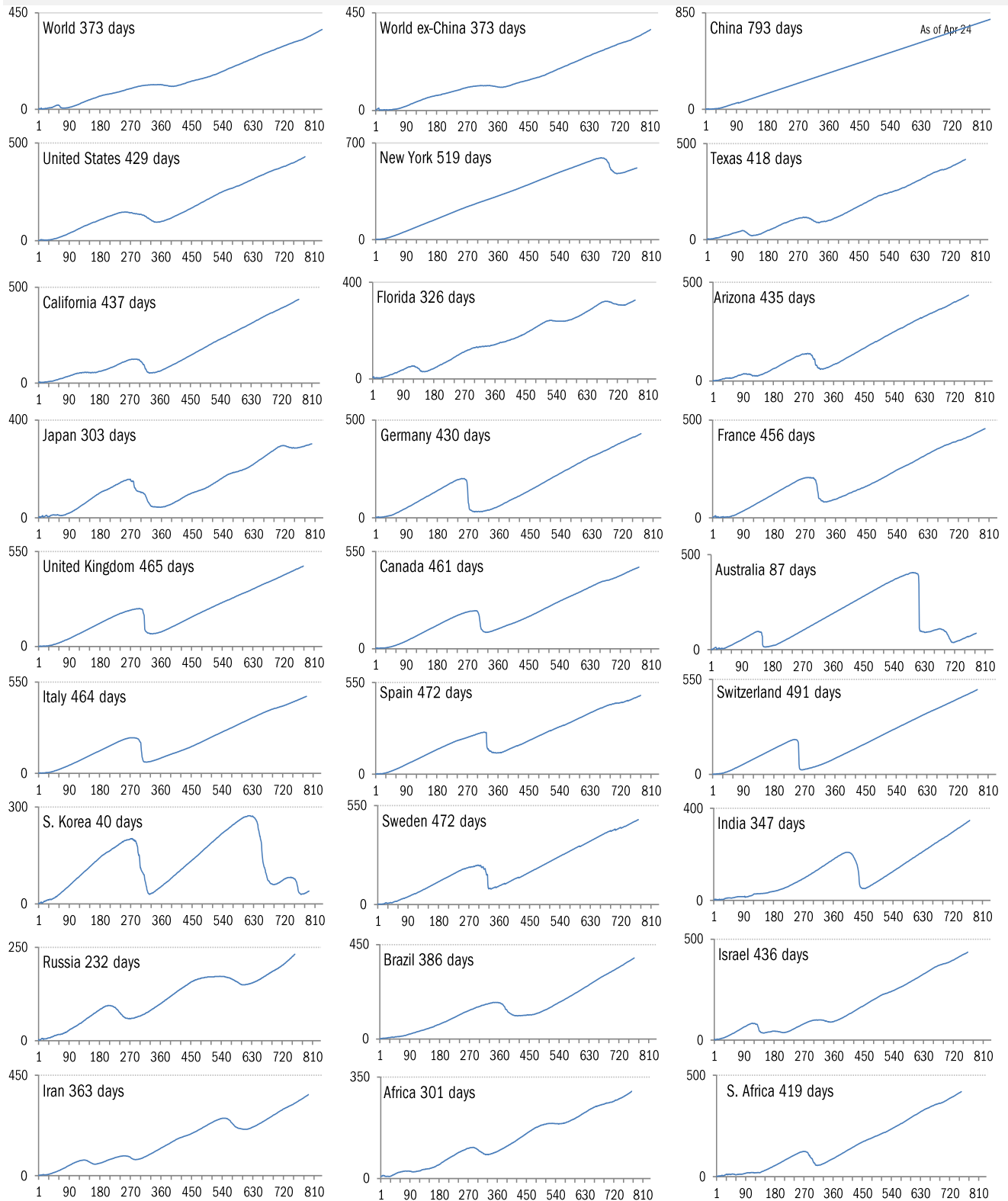
Source: [Johns Hopkins](#), TrendMacro calculations



# 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

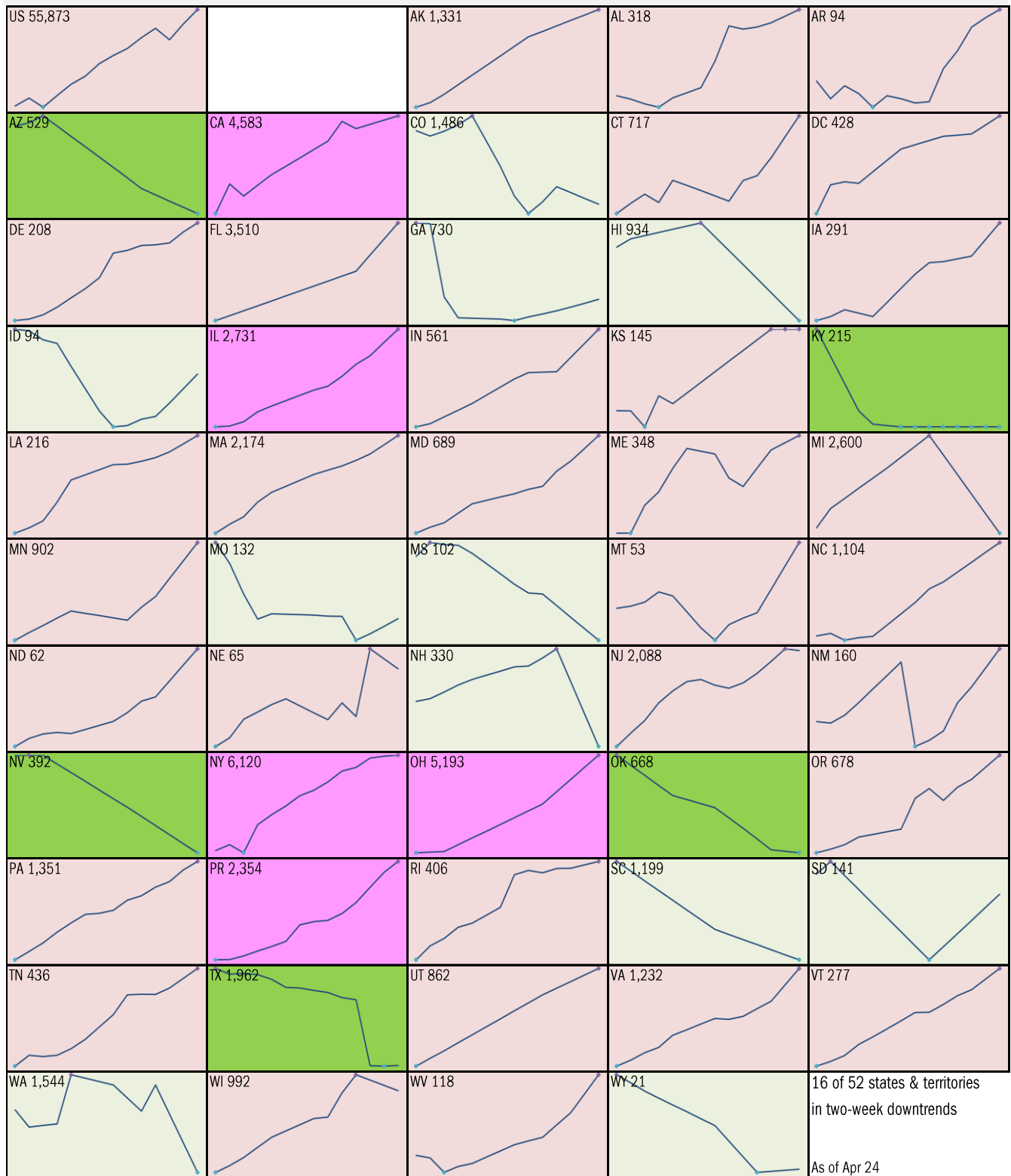


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

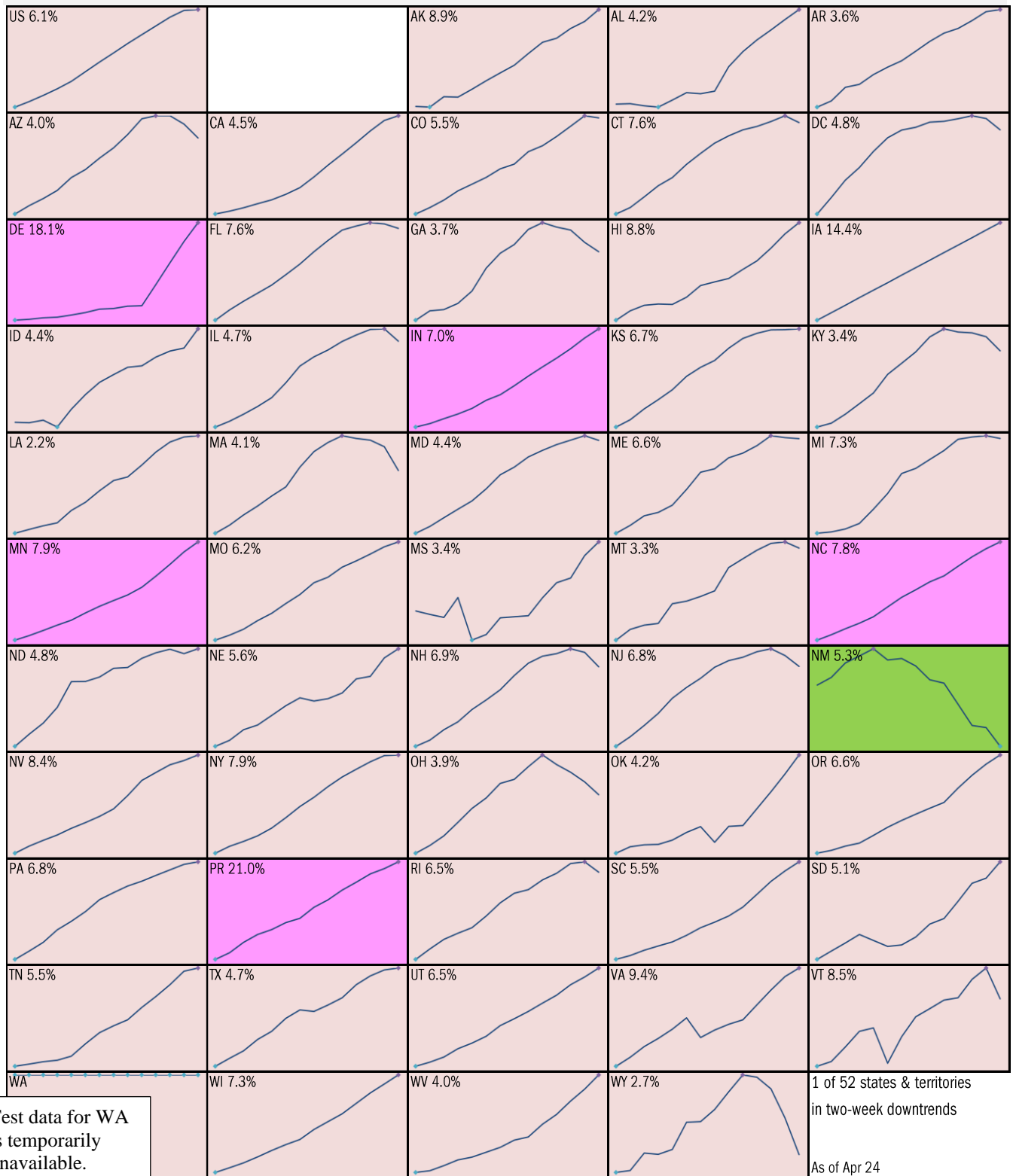


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 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

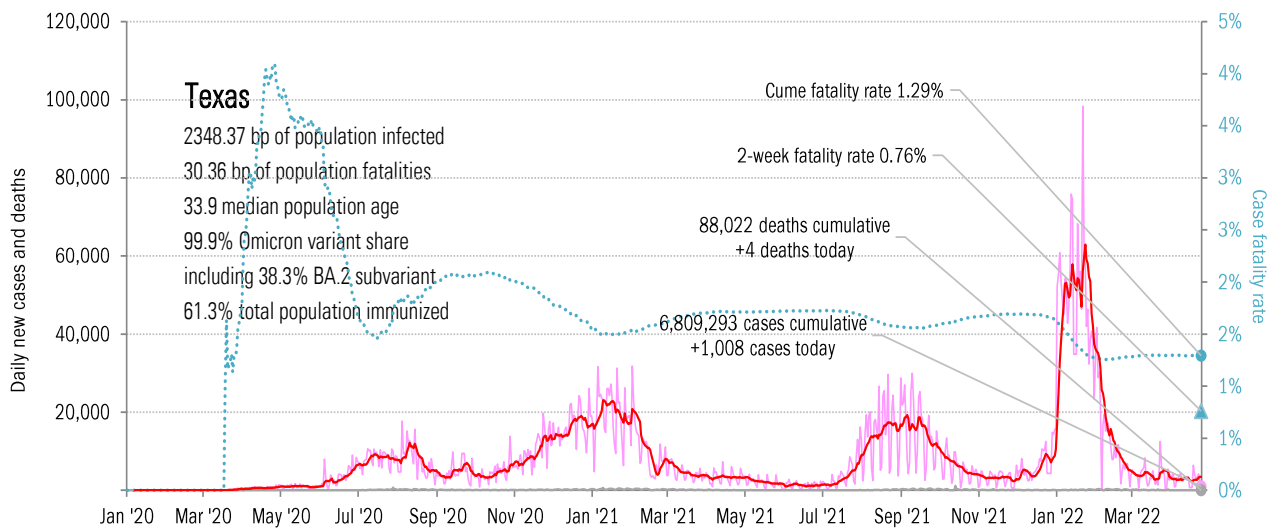
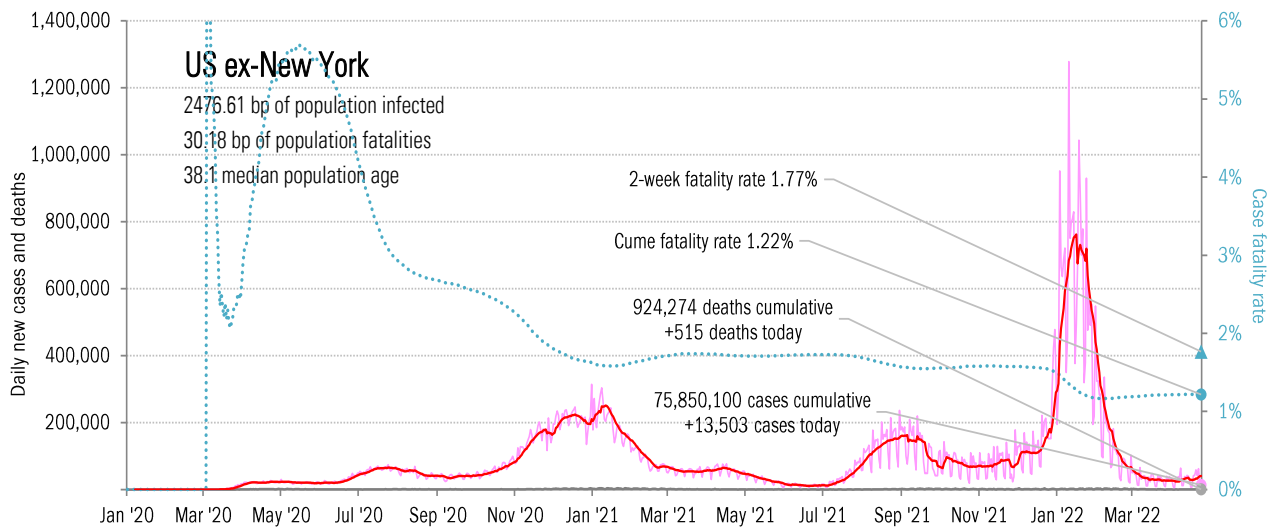
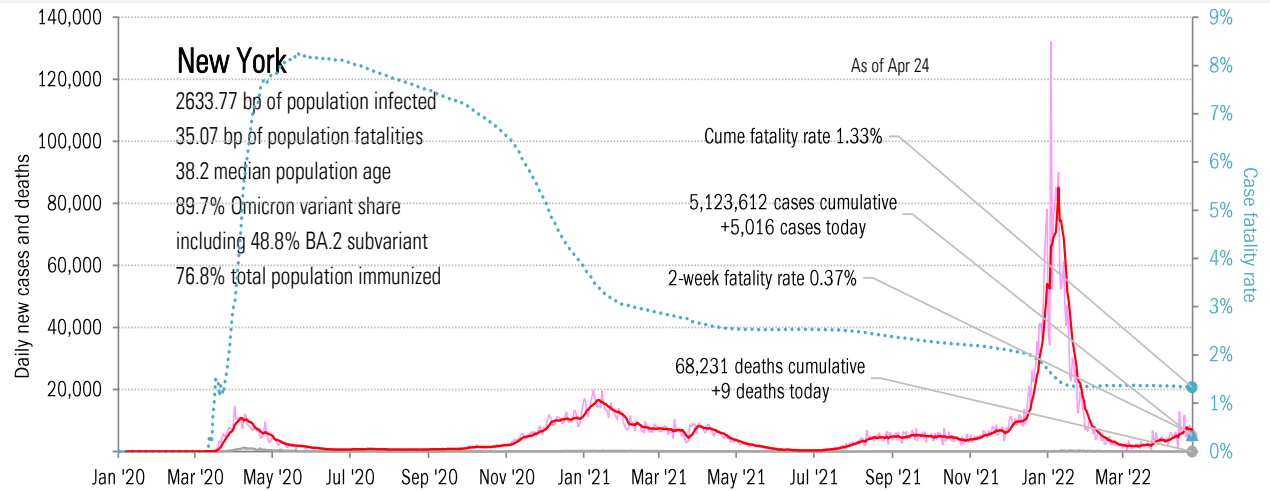


Test data for WA is temporarily unavailable.

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

# From Ground Zero to the Rio Grande

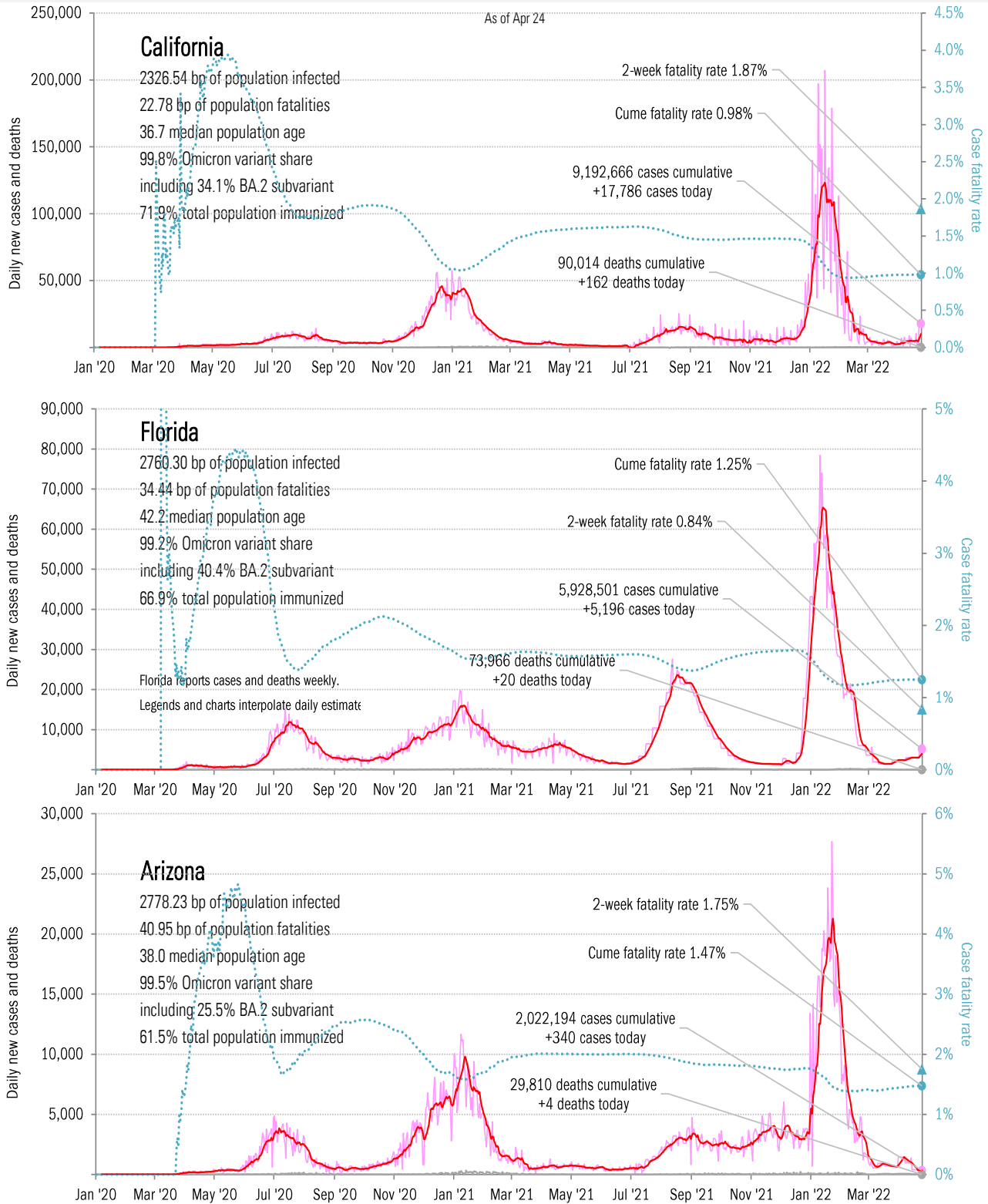
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

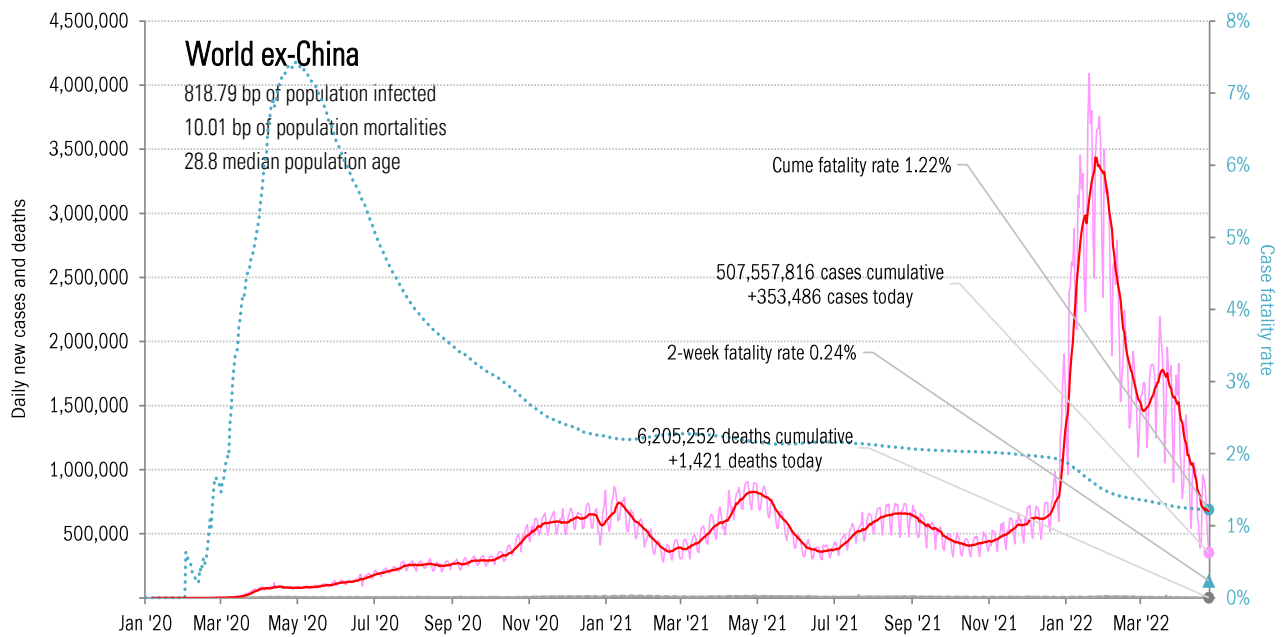
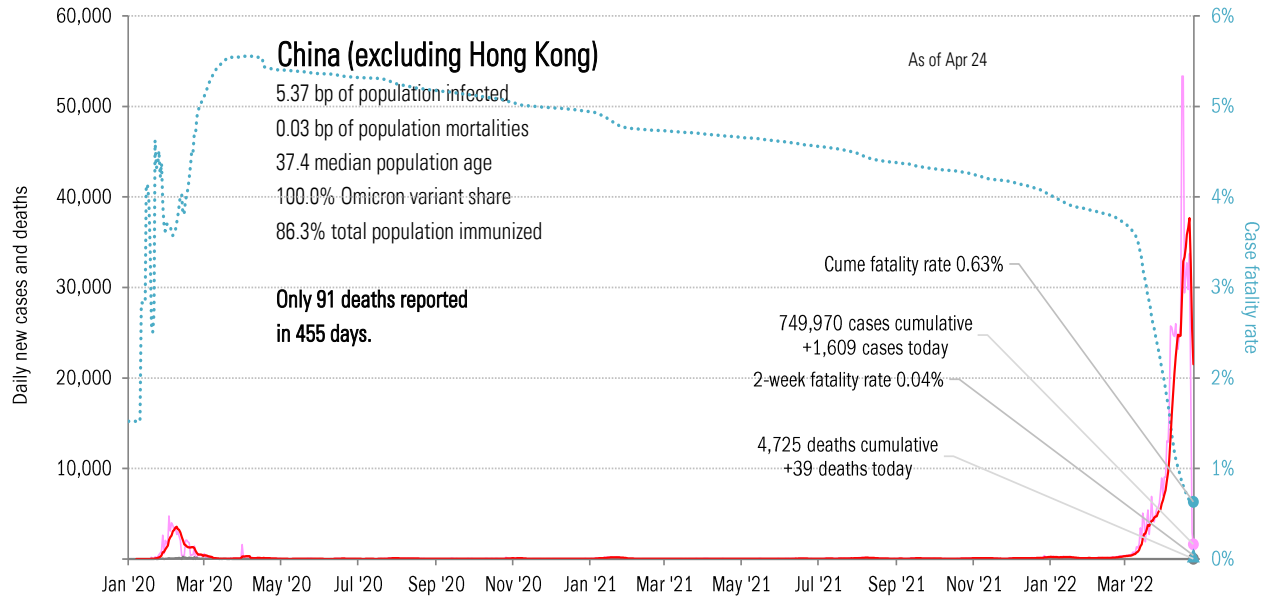
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

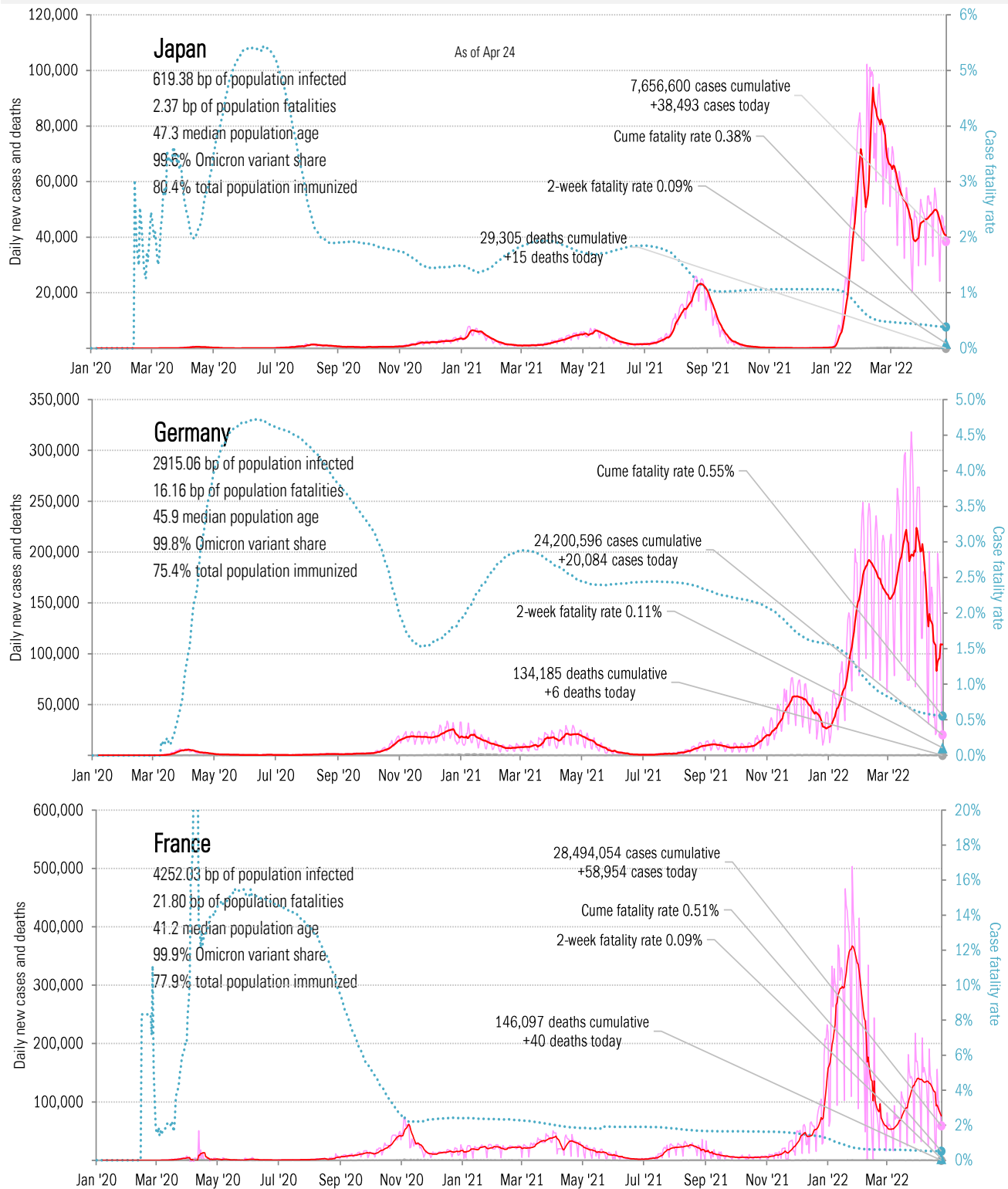


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

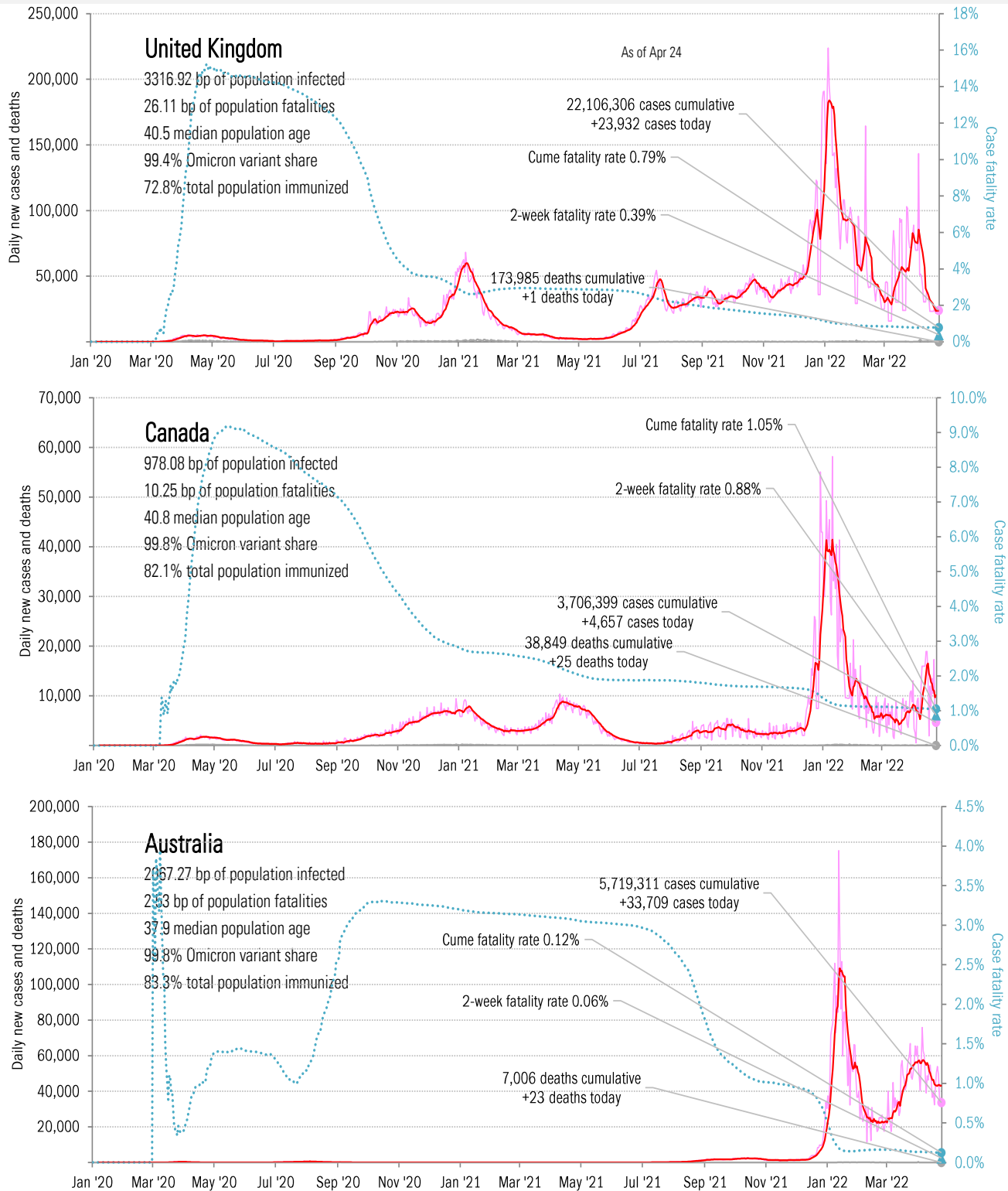
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

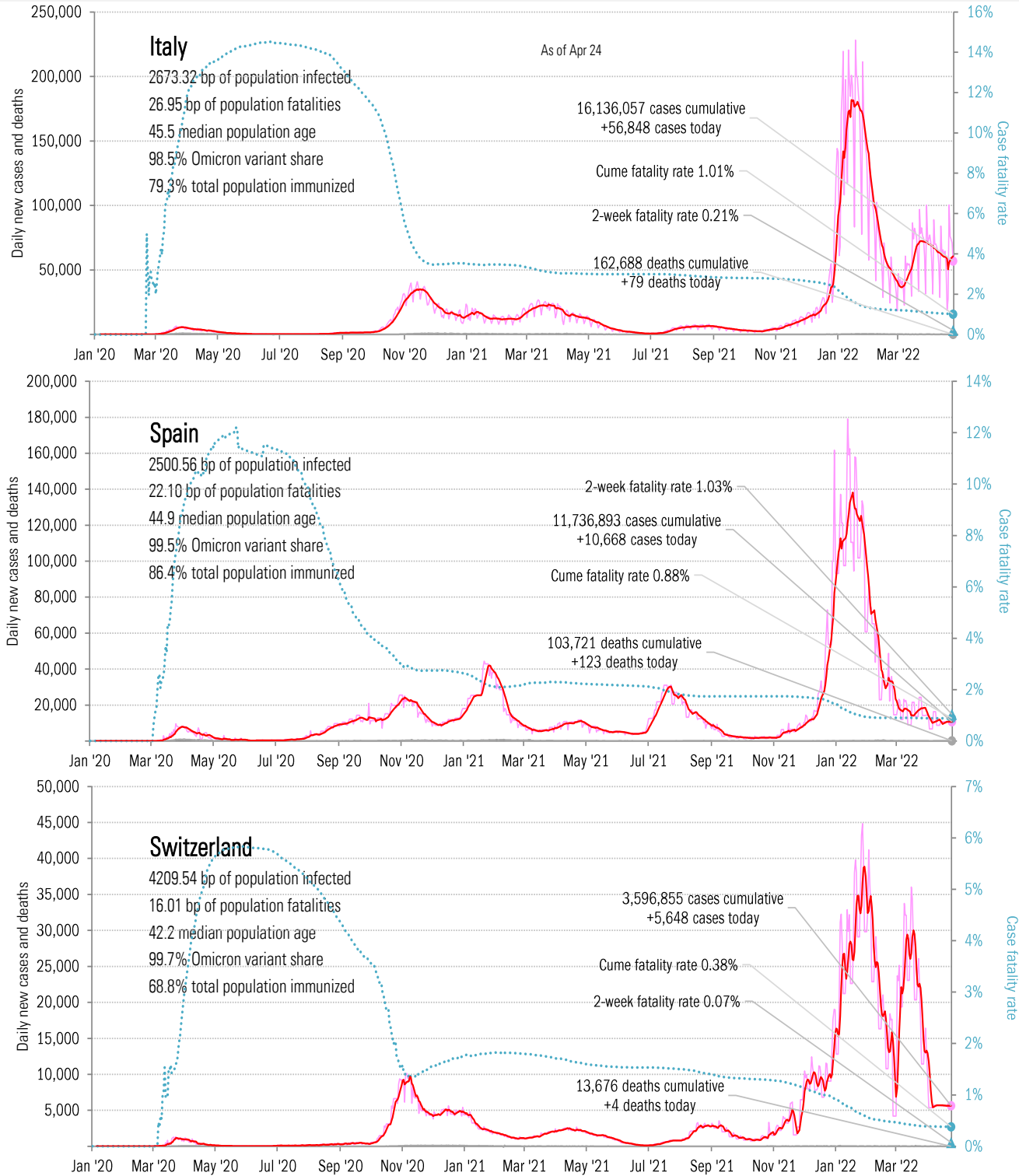
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

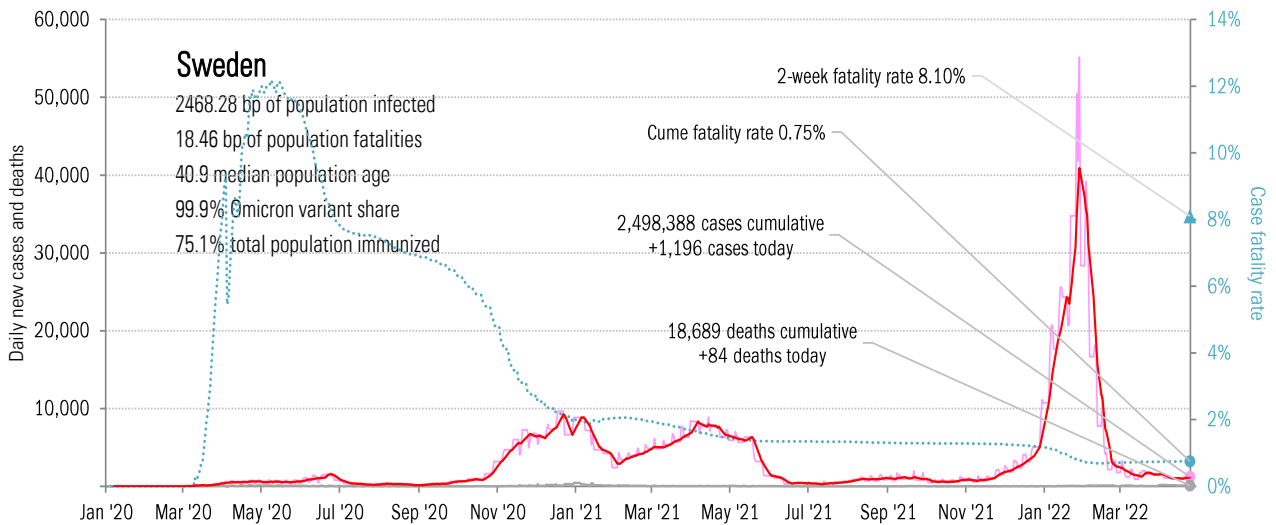
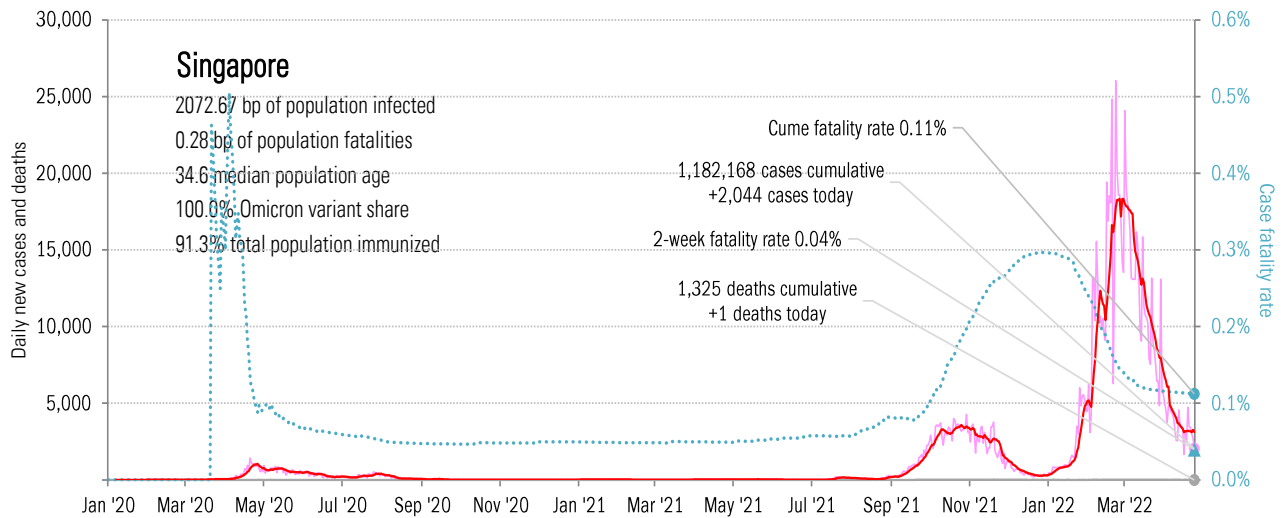
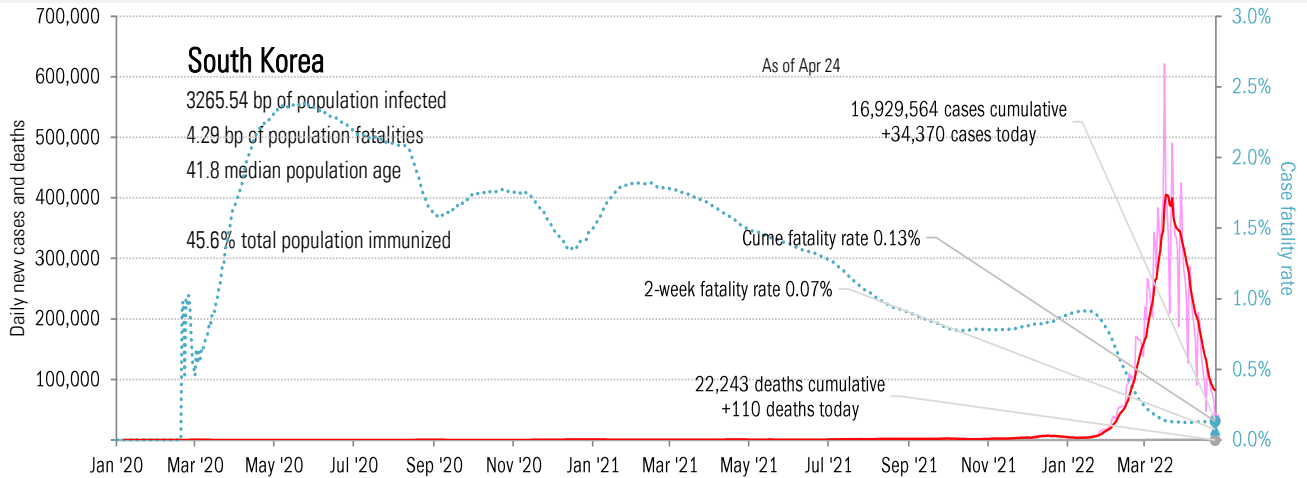
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

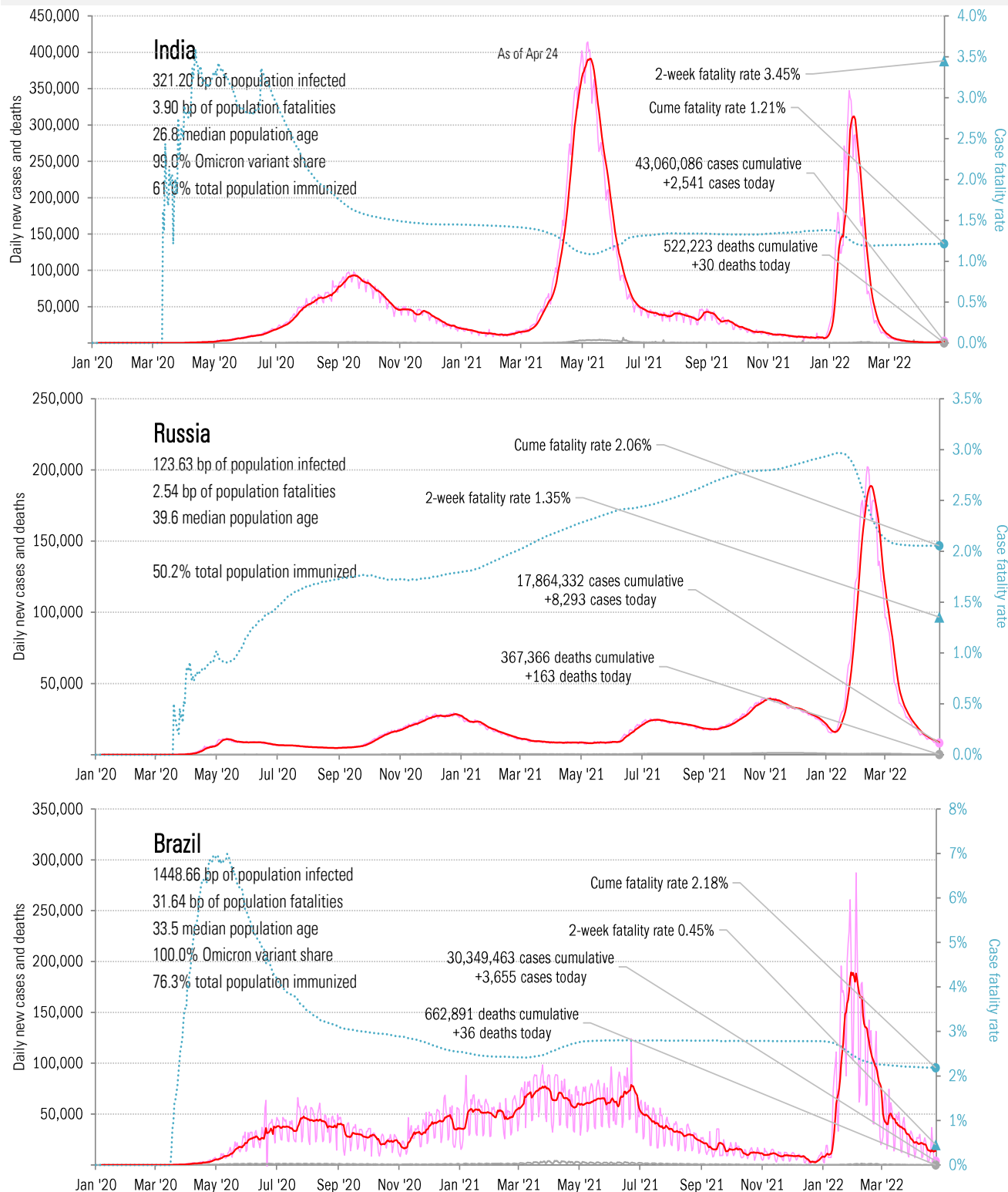
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

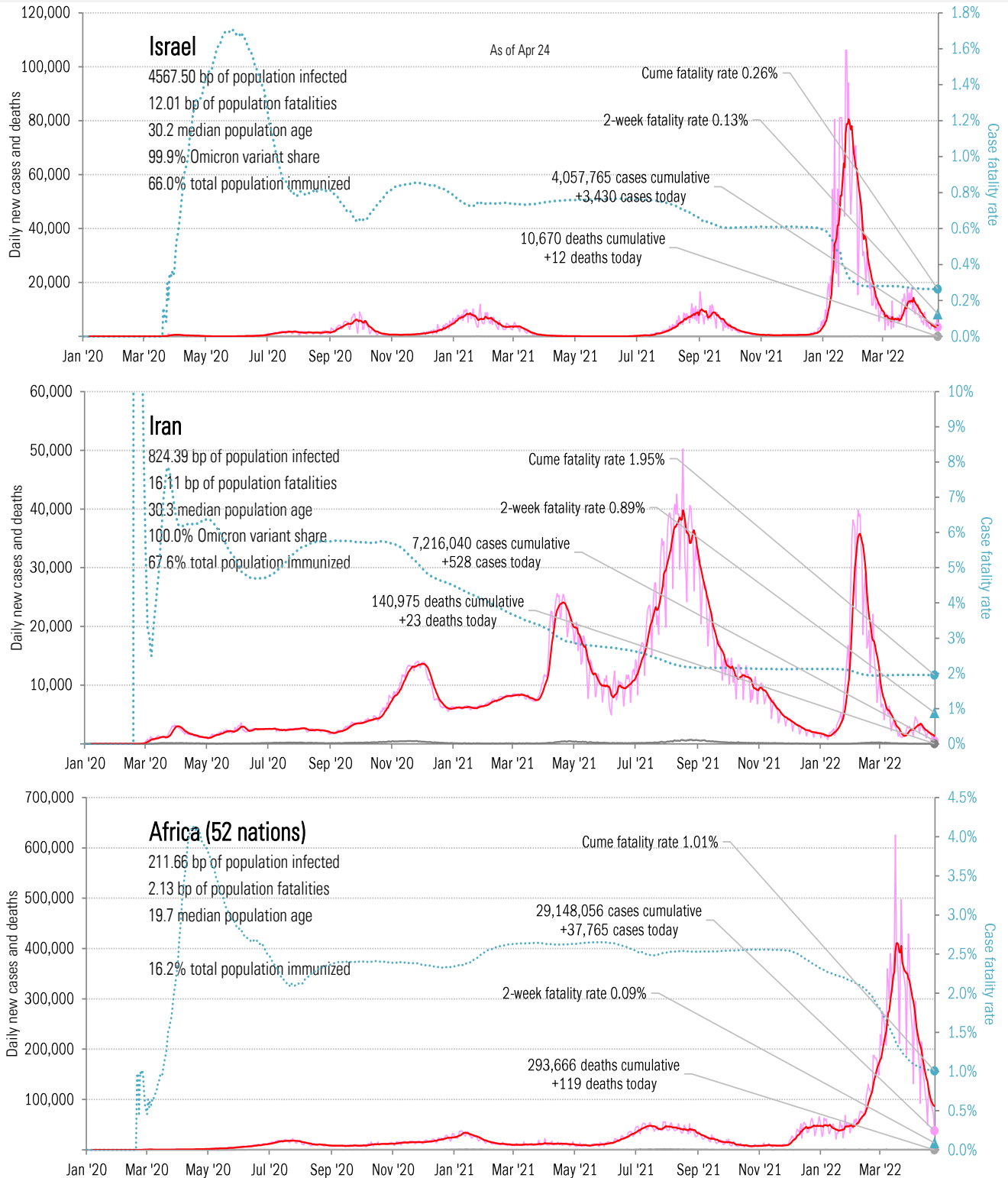
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

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

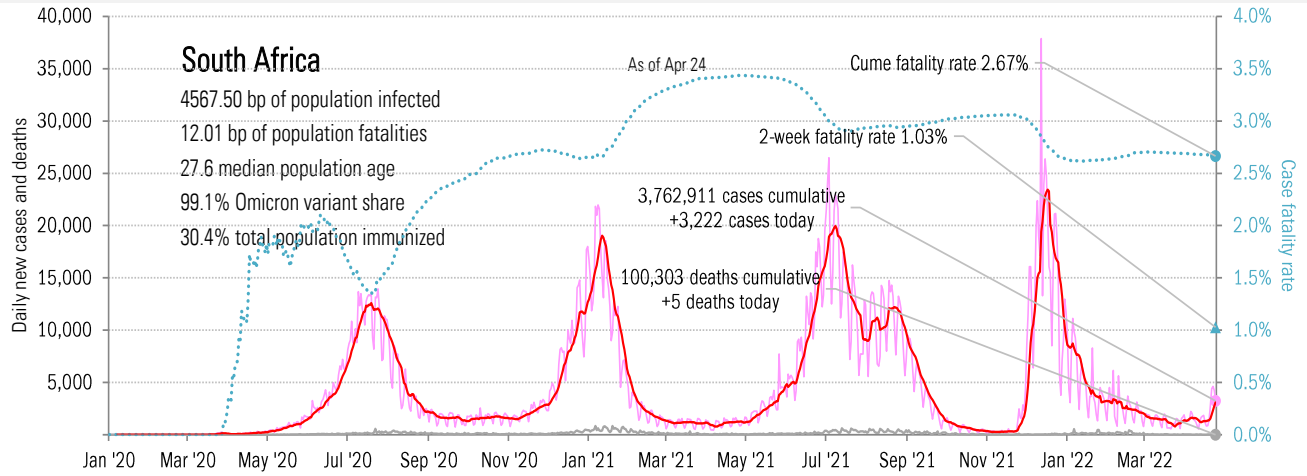


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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