

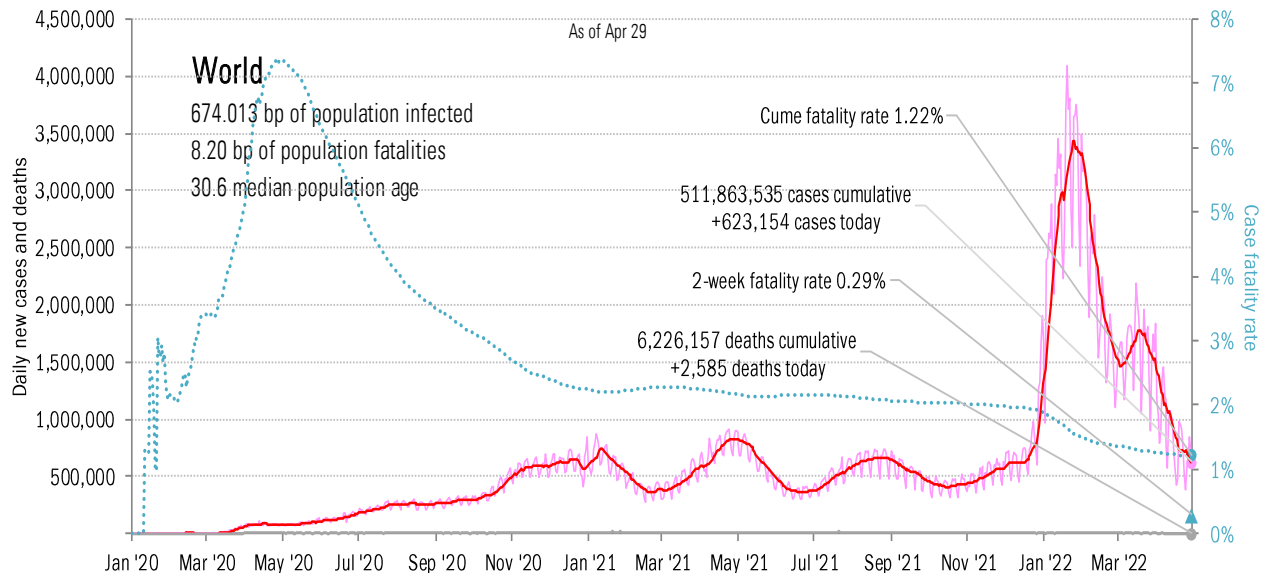
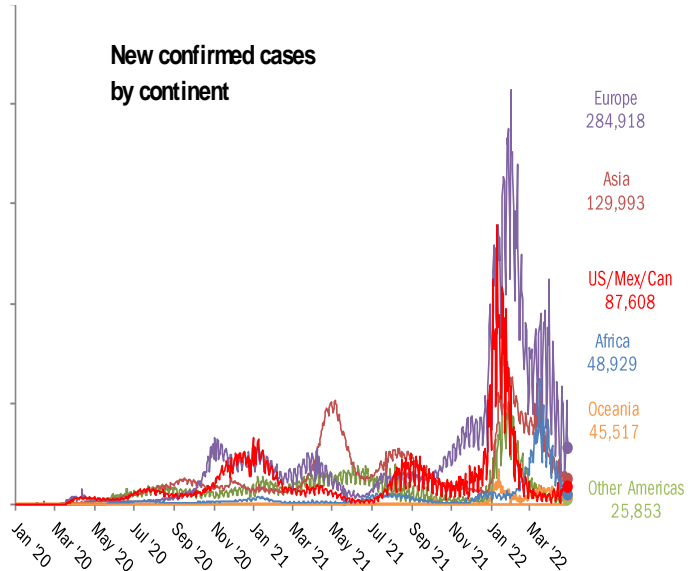
## Data Insights: Covid-2019 Monitor

Saturday, April 30, 2022

### The global scorecard

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

The worst ten countries			
New cases		New Deaths	
Germany	87,298	United States	511
United States	74,421	Thailand	255
Italy	59,395	United Kingdom	222
France	52,979	Brazil	185
Korea, South	43,262	Germany	159
Australia	38,172	France	158
Japan	36,606	Russia	155
China	28,853	Italy	133
Thailand	26,941	Canada	89
Portugal	25,584	Korea, South	70
473,511		1,937	
World 623,154		World 2,585	
Top ten 76%		Top ten 75%	



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

### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

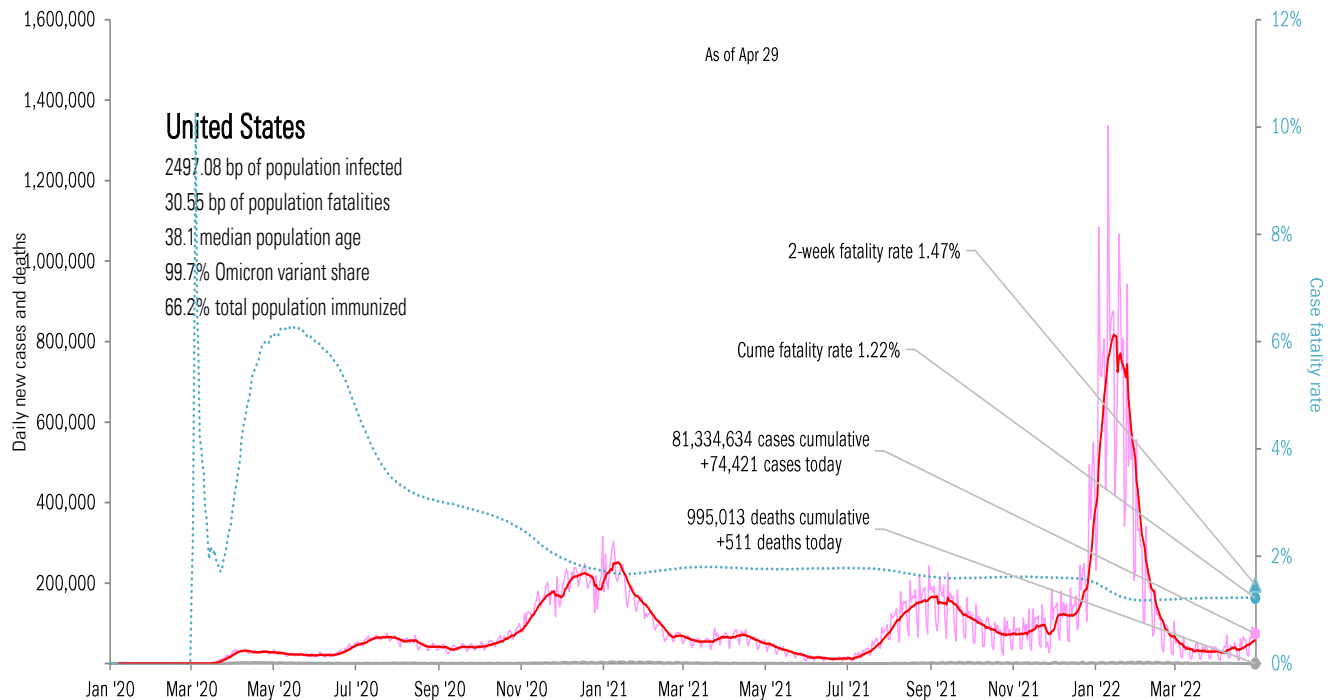
## The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	19,066		CA	153		CH	149		CA	9,236,835		CA	90,329		TX	490,056		RI	90%	WA	84%
NY	8,807		KS	38		GA	81		TX	6,823,337		TX	88,094		CA	426,500		MA	87%	NH	83%
IL	5,955		PA	22		MI	116		FL	5,949,284		FL	74,059		FL	416,773		NY	86%	RI	83%
FR	5,199		NY	18		FL	178		NY	5,161,440		NY	68,324		NY	250,799		MN	84%	KY	82%
WA	4,922		IN	17		NY	313		IL	3,138,682		PA	44,663		GA	207,724		WA	84%	TX	82%
MA	3,583		TX	17		LA	42		PA	2,817,766		CH	38,428		CH	191,730		WV	83%	VT	82%
NJ	3,235		WA	17		NC	61		CH	2,697,058		GA	37,806		PA	177,225		MO	83%	MA	81%
TX	3,181		FL	17		PA	105		NC	2,659,255		IL	36,047		IL	158,498		GA	83%	AL	79%
PA	2,248		VA	16		IL	113		GA	2,515,139		MI	36,002		MI	142,529		MD	82%	MI	78%
MN	1,972		IL	15		IA	32		MI	2,425,946		NJ	33,425		KY	133,165		PA	82%	DC	78%
58,168			330			1,190			43,424,742			547,177			2,594,999						
All states	74,421			511			2,258		All states	81,334,634			995,013			4,711,589		All states	70%		67%
Top ten	78%			65%			53%		Top ten	53%			55%			55%		Median	76%		74%

Some states not reporting

## Five most improved US states

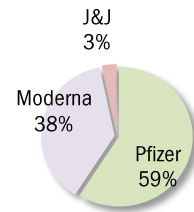
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CH	-8,731	FL	-128	NY	-41	CT	+10 bp
FL	-6,561	CK	-82	NJ	-39	KY	+10 bp
SC	-2,181	CH	-68	MA	-27	MD	+10 bp
UT	-1,695	SC	-33	CA	-18	NE	+10 bp
AZ	-1,685	UT	-7	MN	-18	NY	+10 bp



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	590,517,024		+0.265 million	US	66.2%	77.6%
Boosters	101,809,754		+0.050 million	UK	72.9%	78.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	265,328,311	79%	225,906,984	68%	+0.031 million	Spain 86.5% 88.1%
Age 12 to 17	17,712,335	70%	15,105,457	60%	+0.002 million	Germany 76.8% 76.9%
Age 18 to 64	178,459,246	88%	151,373,590	74%	+0.014 million	Italy 79.4% 84.1%
Age 65 and over	58,868,619	100%	51,148,559	93%	+0.011 million	Australia 83.5% 86.4%



AK	69.8%
	62.3%

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

Best
Middle
Worst

\*Immunity\* = two doses

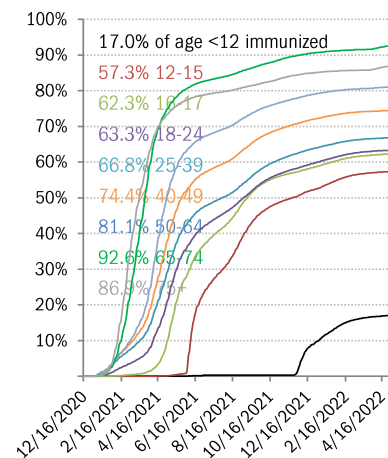
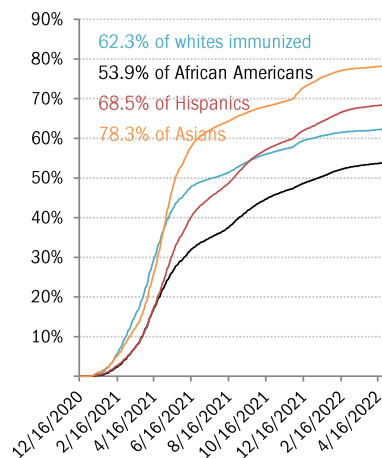
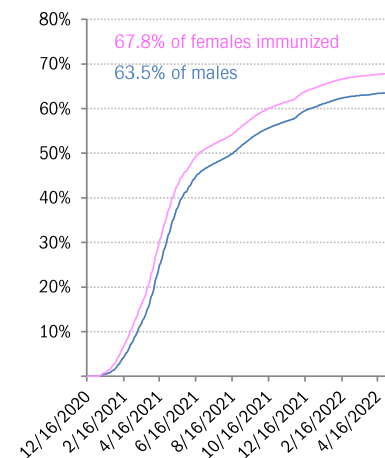
As of Apr 29

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

					WI					ME
					71.8%					90.4%
					65.5%					79.5%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.8%	61.1%	65.2%	64.9%	75.0%	76.6%	66.9%		90.1%	93.4%	87.9%
72.5%	54.0%	56.7%	54.9%	69.1%	68.7%	60.1%		76.9%	81.1%	70.2%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.8%	75.2%	58.8%	76.5%	67.9%	61.4%	63.5%	84.8%	90.3%	95.0%	
69.6%	60.8%	51.6%	61.4%	61.9%	54.8%	58.4%	68.4%	75.6%	78.9%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
83.7%	72.1%	79.3%	70.3%	66.2%	66.1%	65.0%	85.6%	86.4%	95.0%	95.0%
72.0%	64.3%	70.2%	63.6%	56.0%	57.4%	57.6%	73.1%	75.6%	79.2%	82.5%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	73.0%	87.6%	74.4%	66.7%	62.1%	84.1%	67.3%	95.0%	83.1%	
	61.5%	71.0%	61.4%	54.4%	54.5%	61.0%	56.6%	74.1%	69.1%	
			OK	LA	MS	AL	GA			
			71.0%	61.0%	59.6%	62.7%	65.3%			
			57.2%	53.5%	51.8%	51.1%	54.7%			
			TX					FL		PR
			73.1%					79.3%		94.9%
			61.4%					66.9%		83.0%

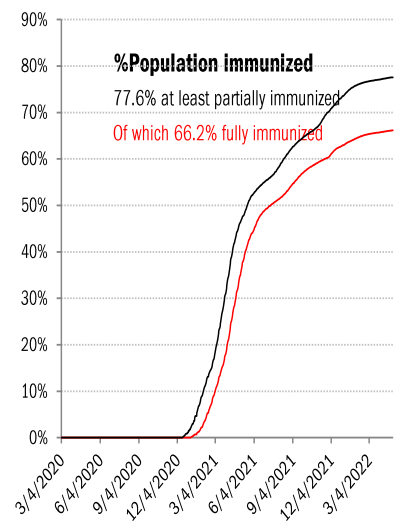
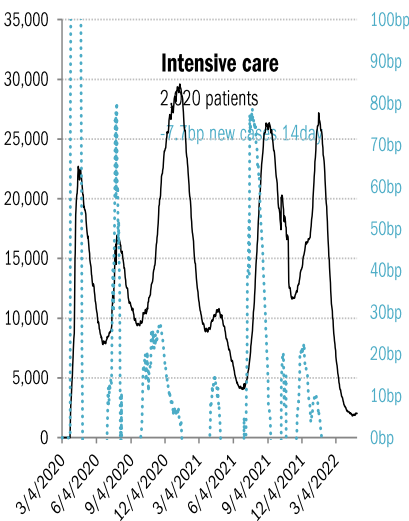
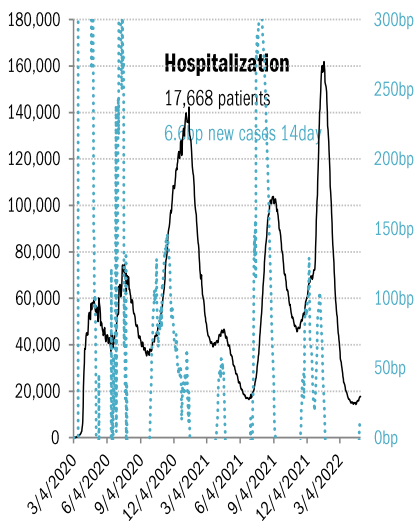
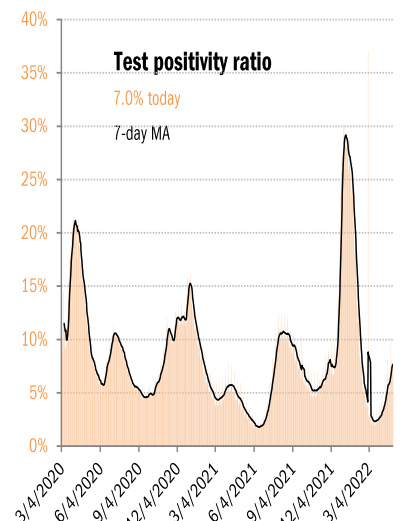
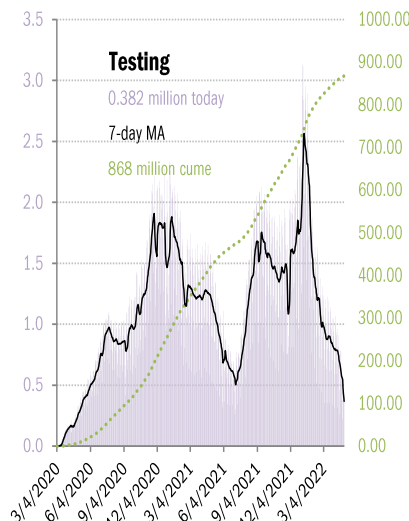
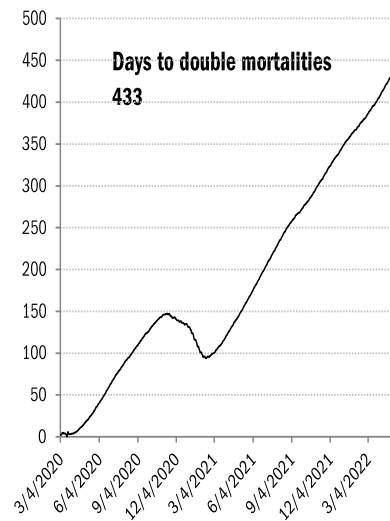
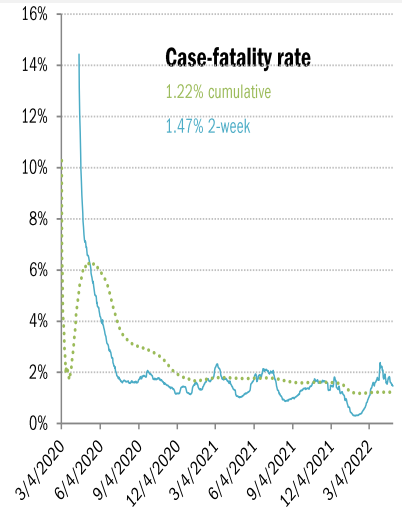
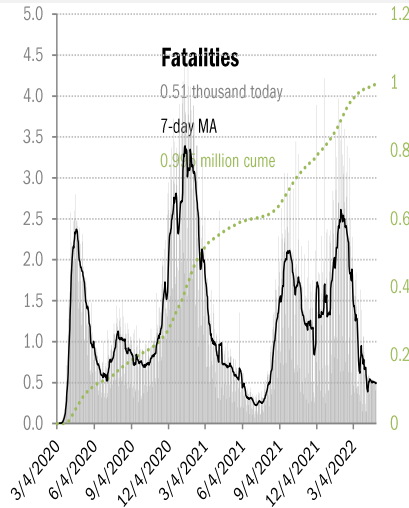
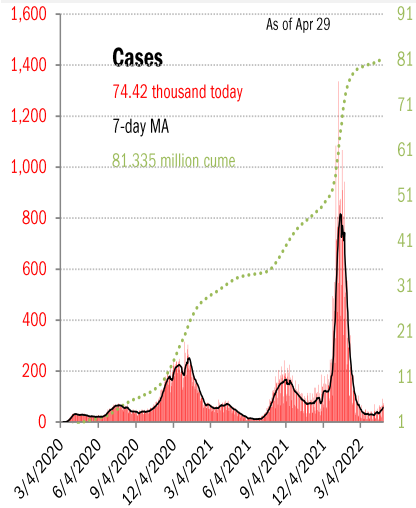
## The demographics of US vaccination



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

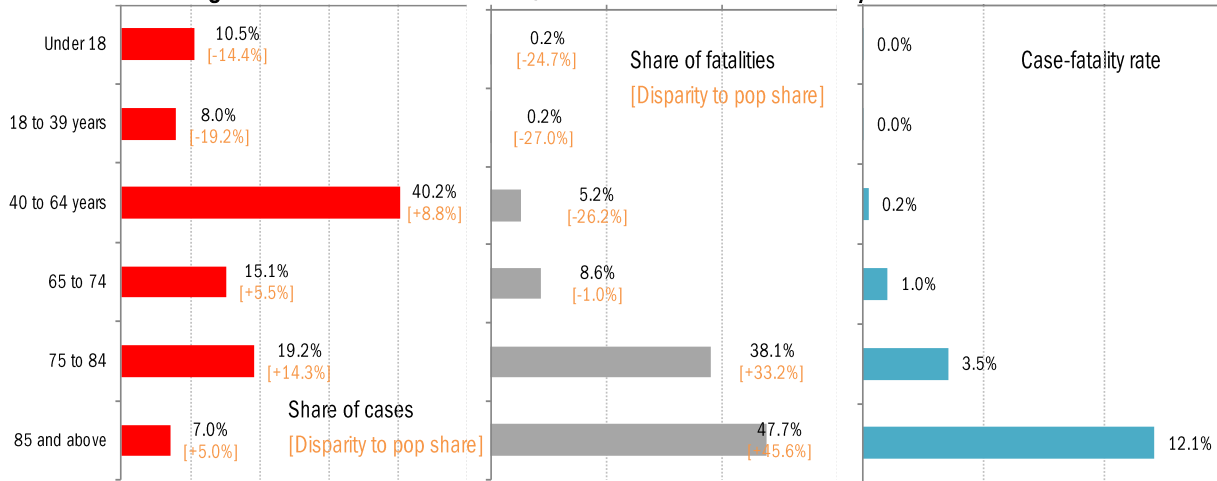
# US deep-dive

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

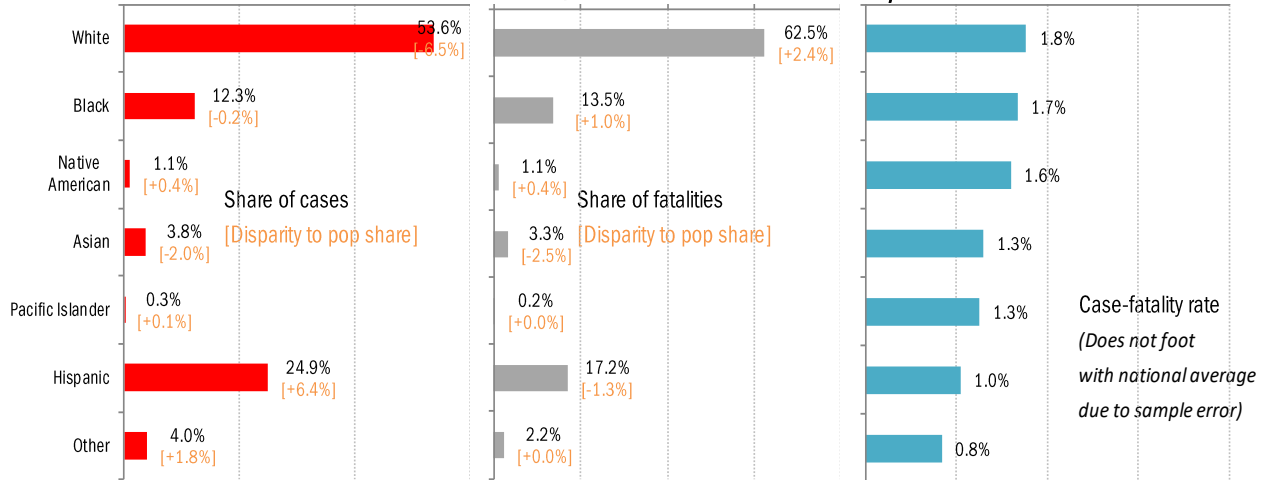


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

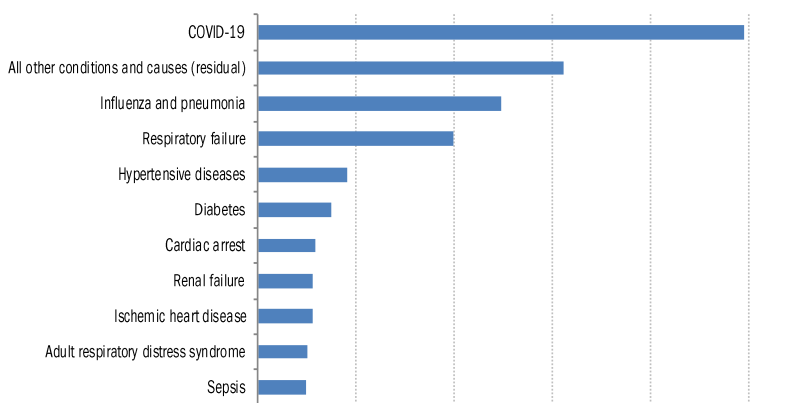


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[China's Economy Slows Rapidly as Covid Zero Lockdowns Bite](#)

*Bloomberg*

April 29, 2022

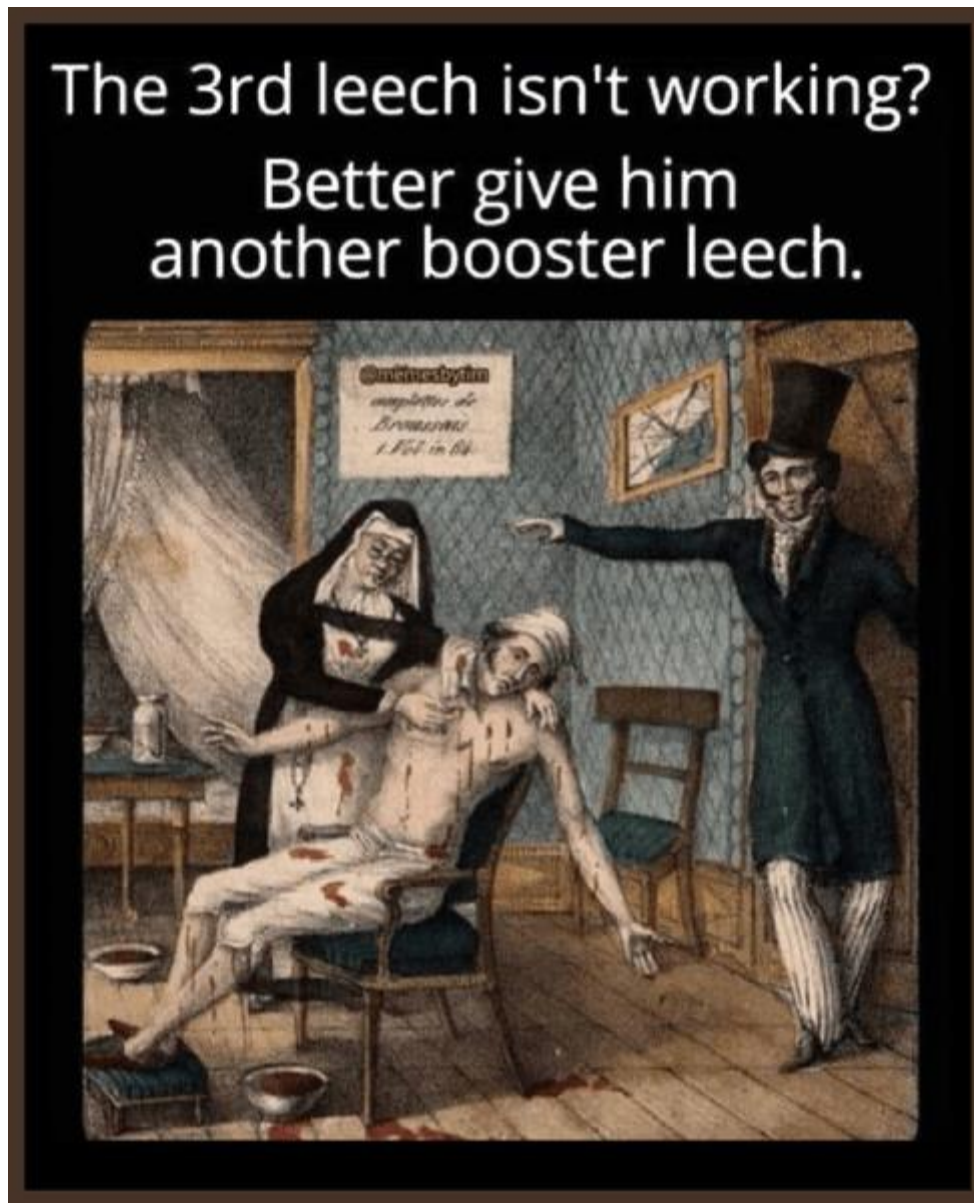
[Half of Apple suppliers operating in China's lockdown-hit areas](#)

Lauly Li, Cheng Ting-Fang and Shunsuke Tabeta

*Financial Times*

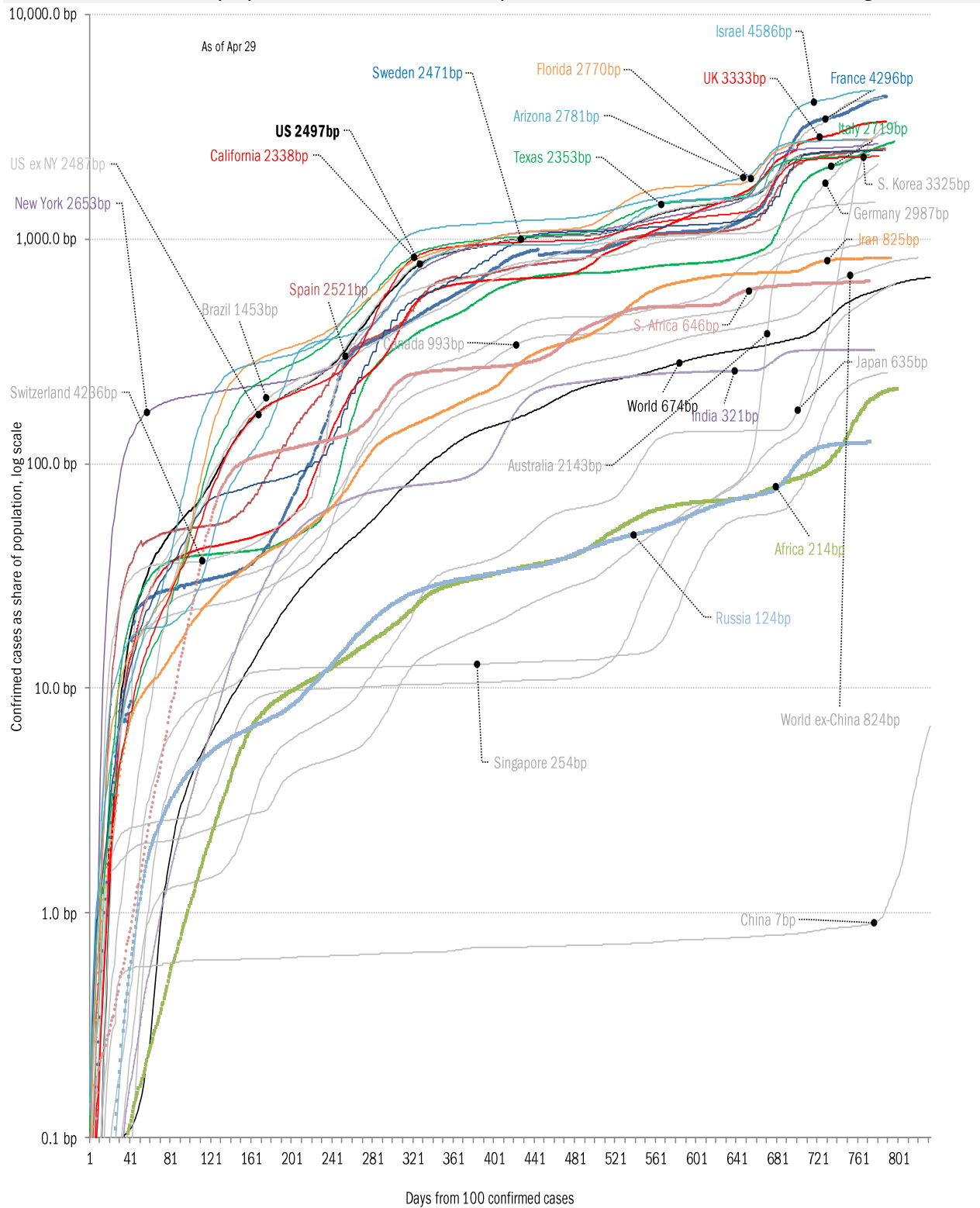
April 27, 2022

## Meme of the day



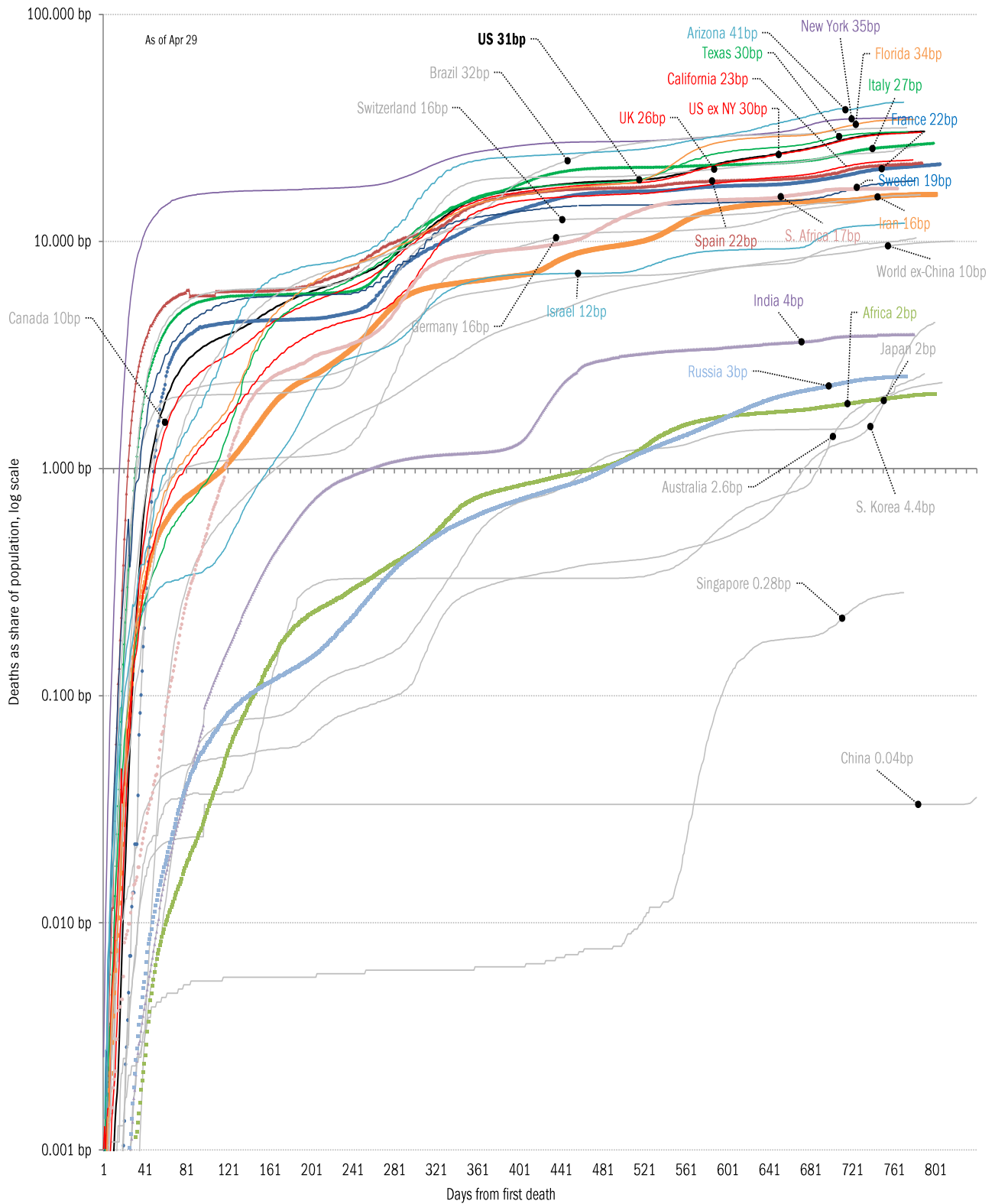
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



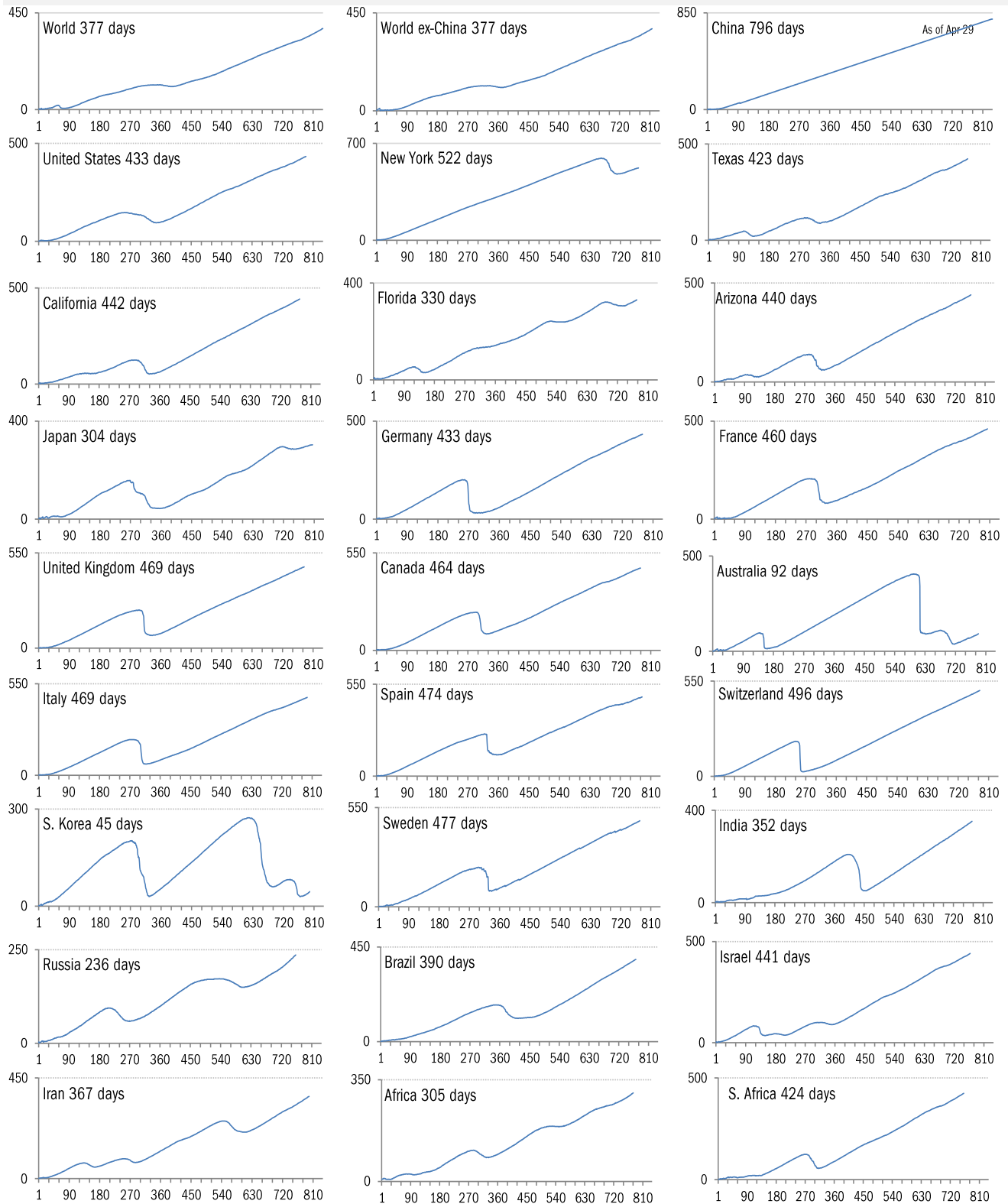
Source: [Johns Hopkins](#), TrendMacro calculations



# 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

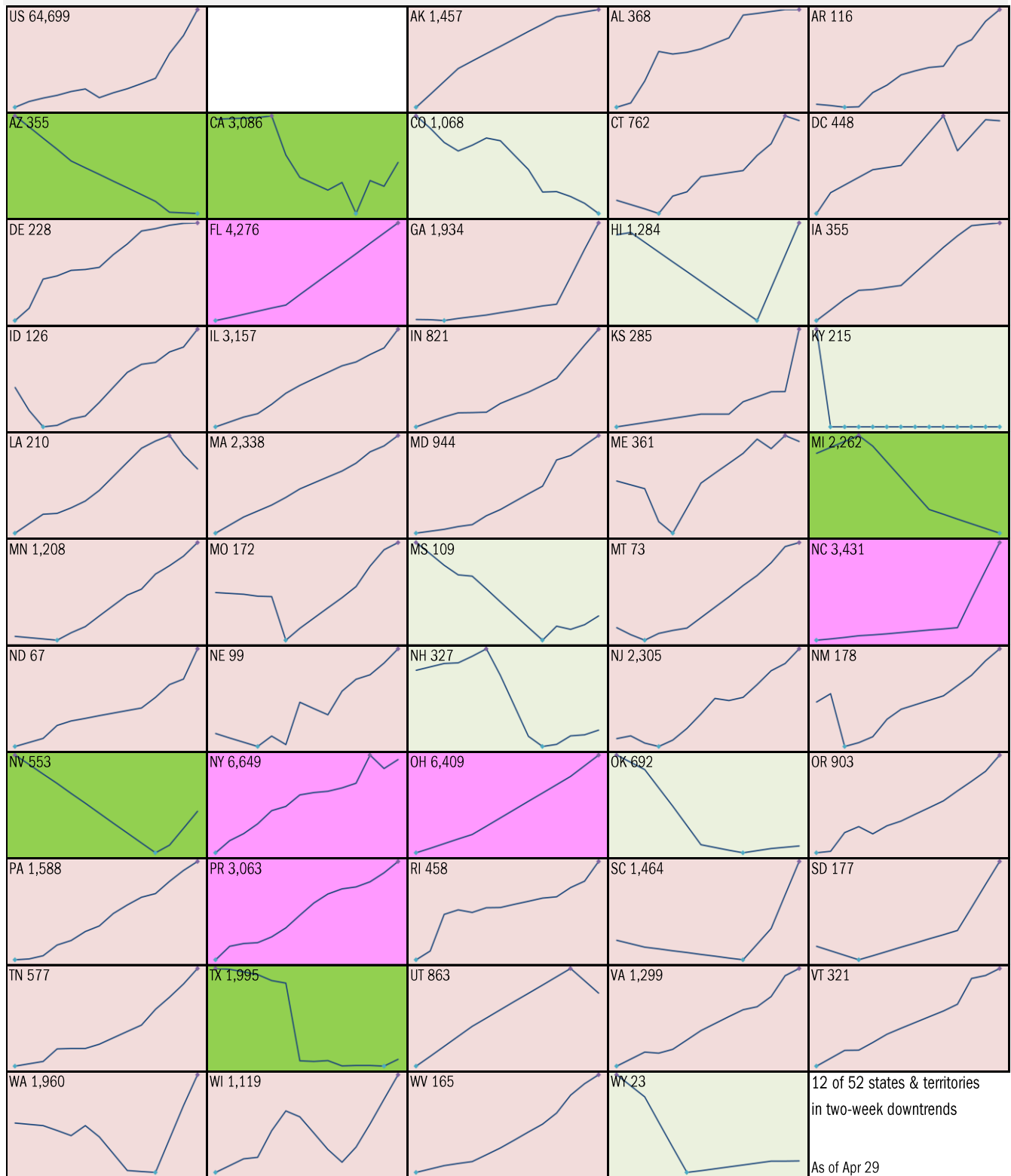


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

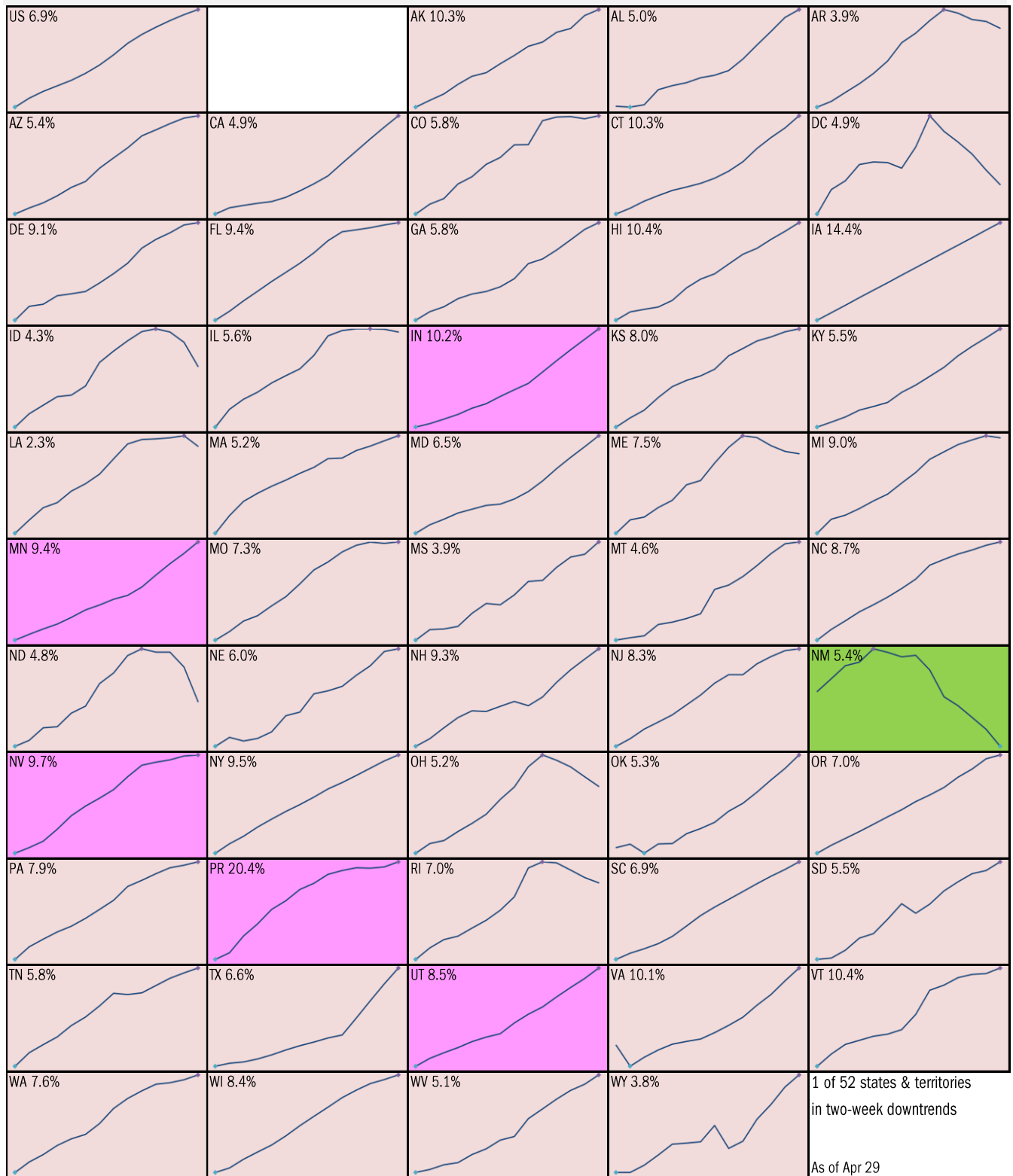


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

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

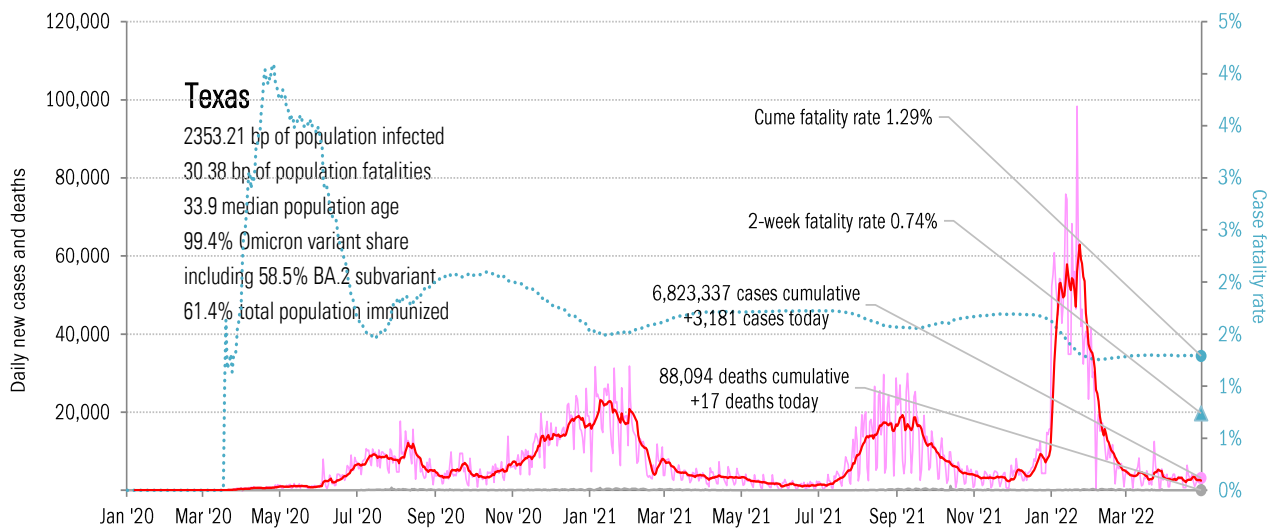
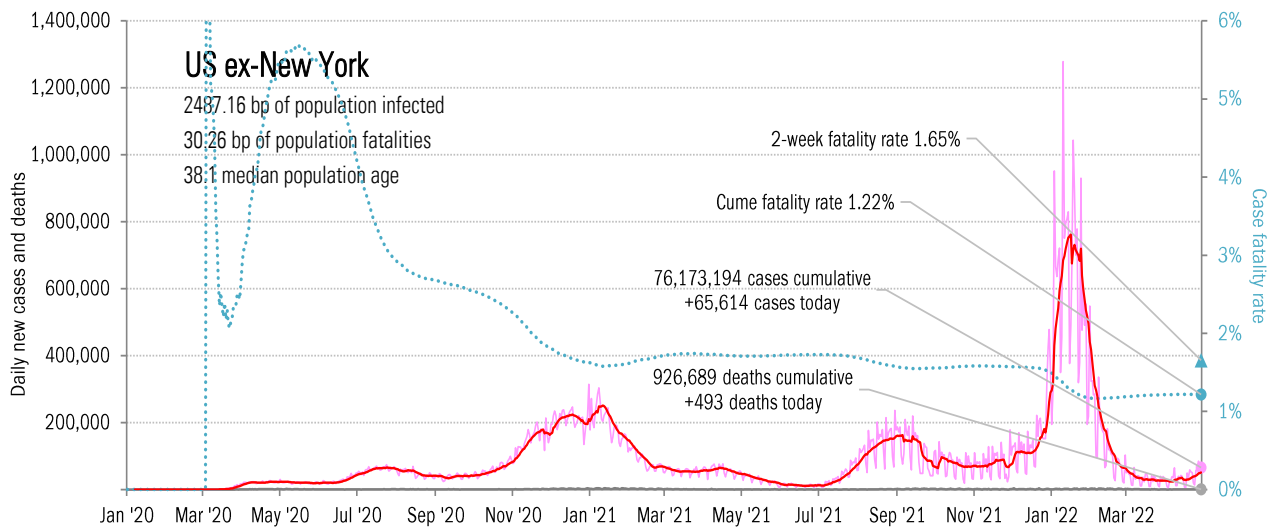
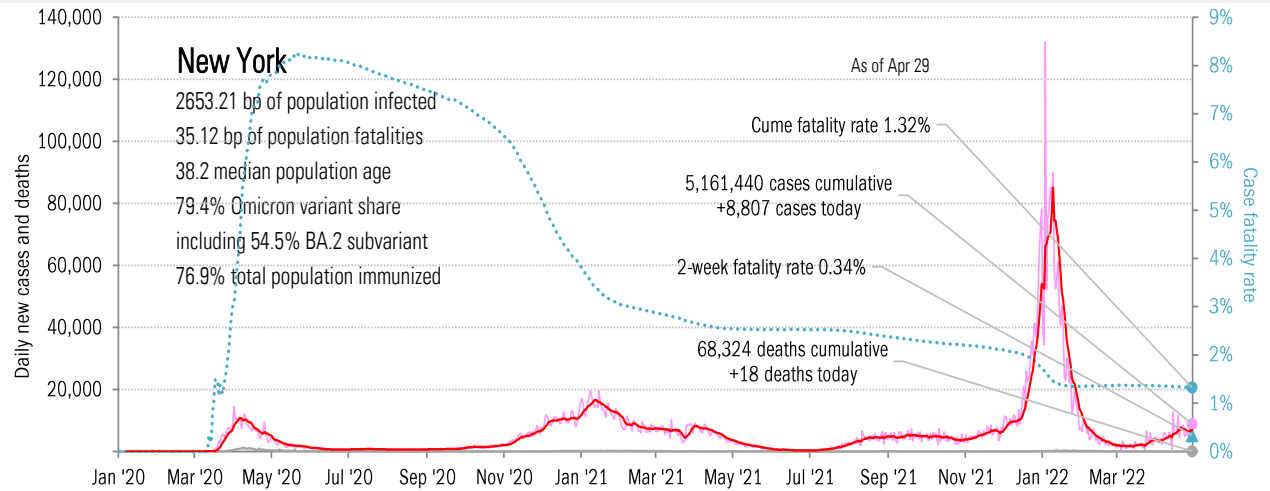
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

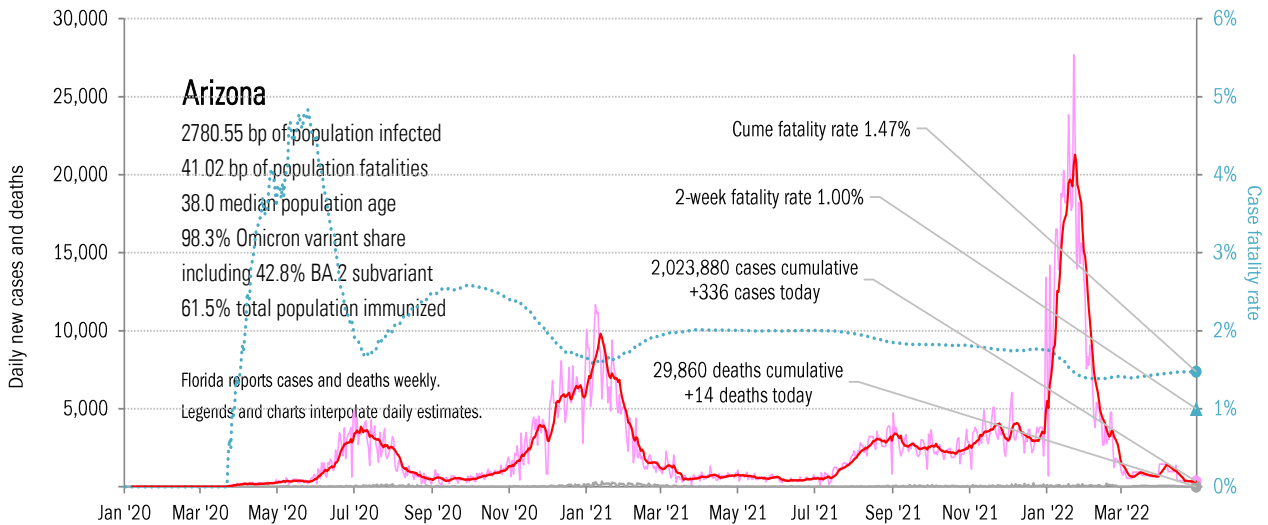
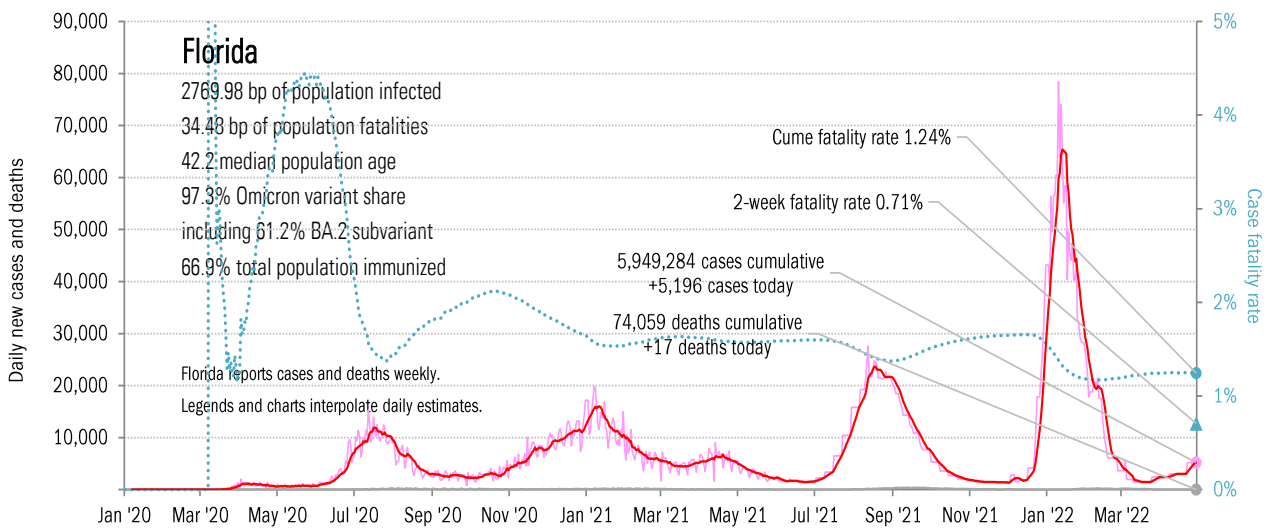
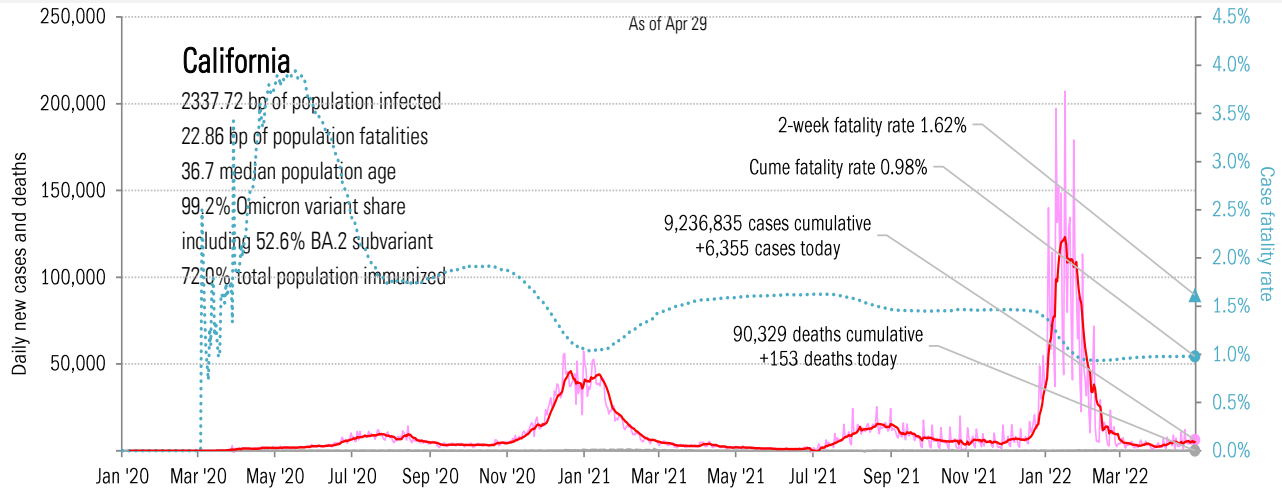
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

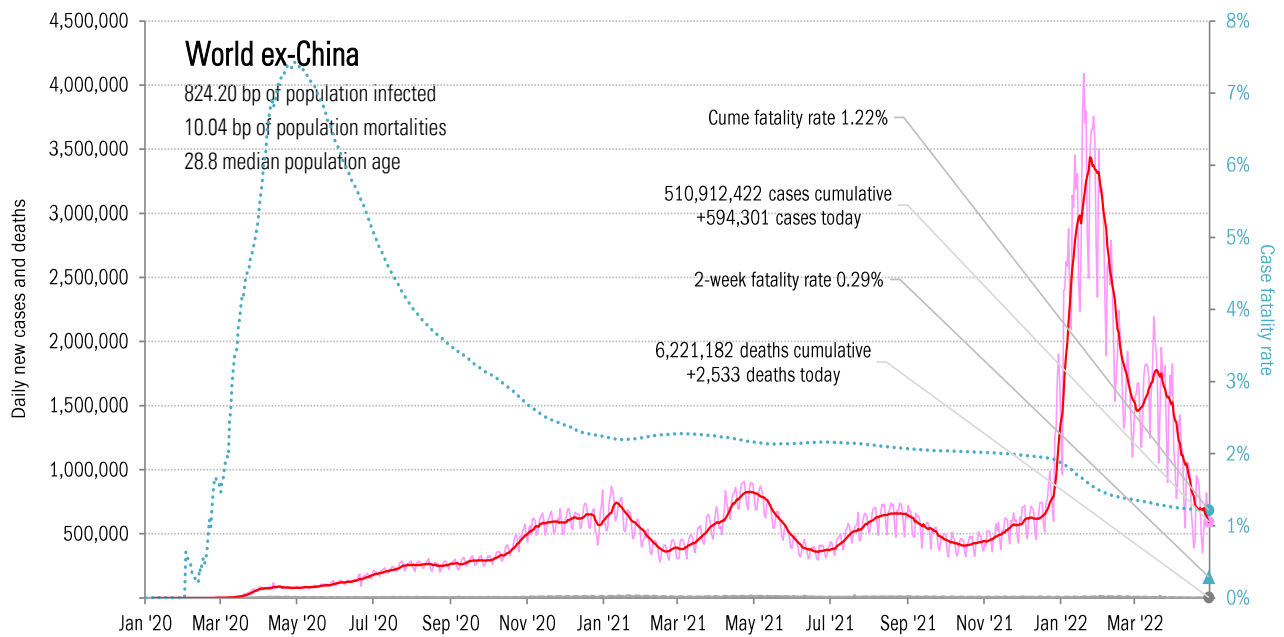
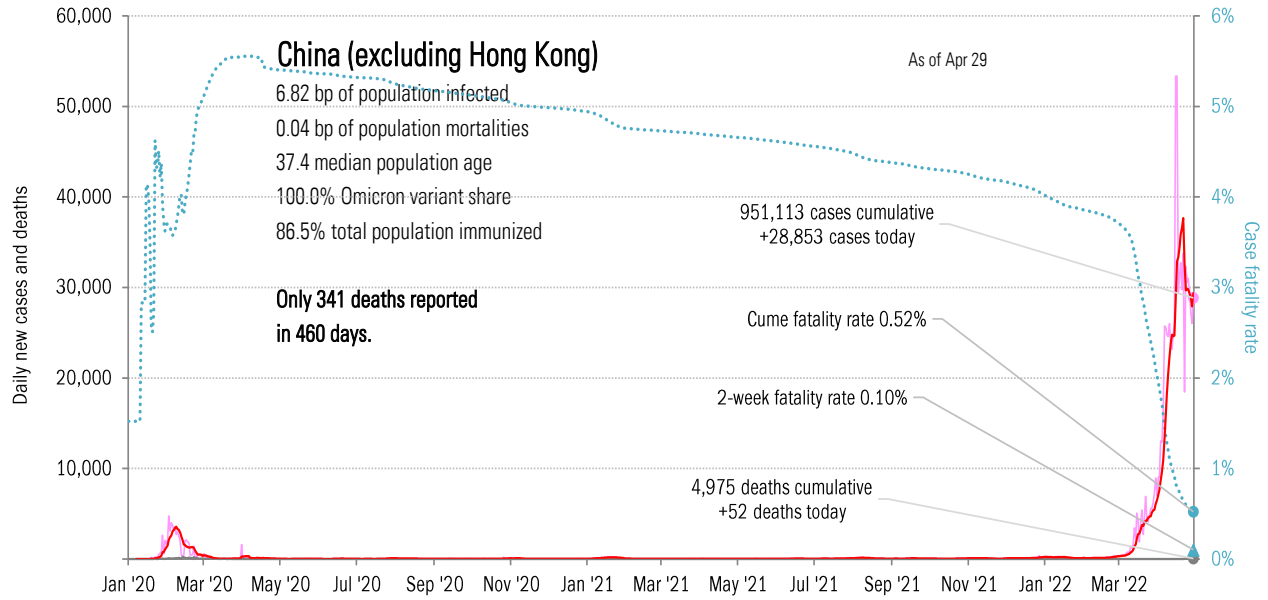
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

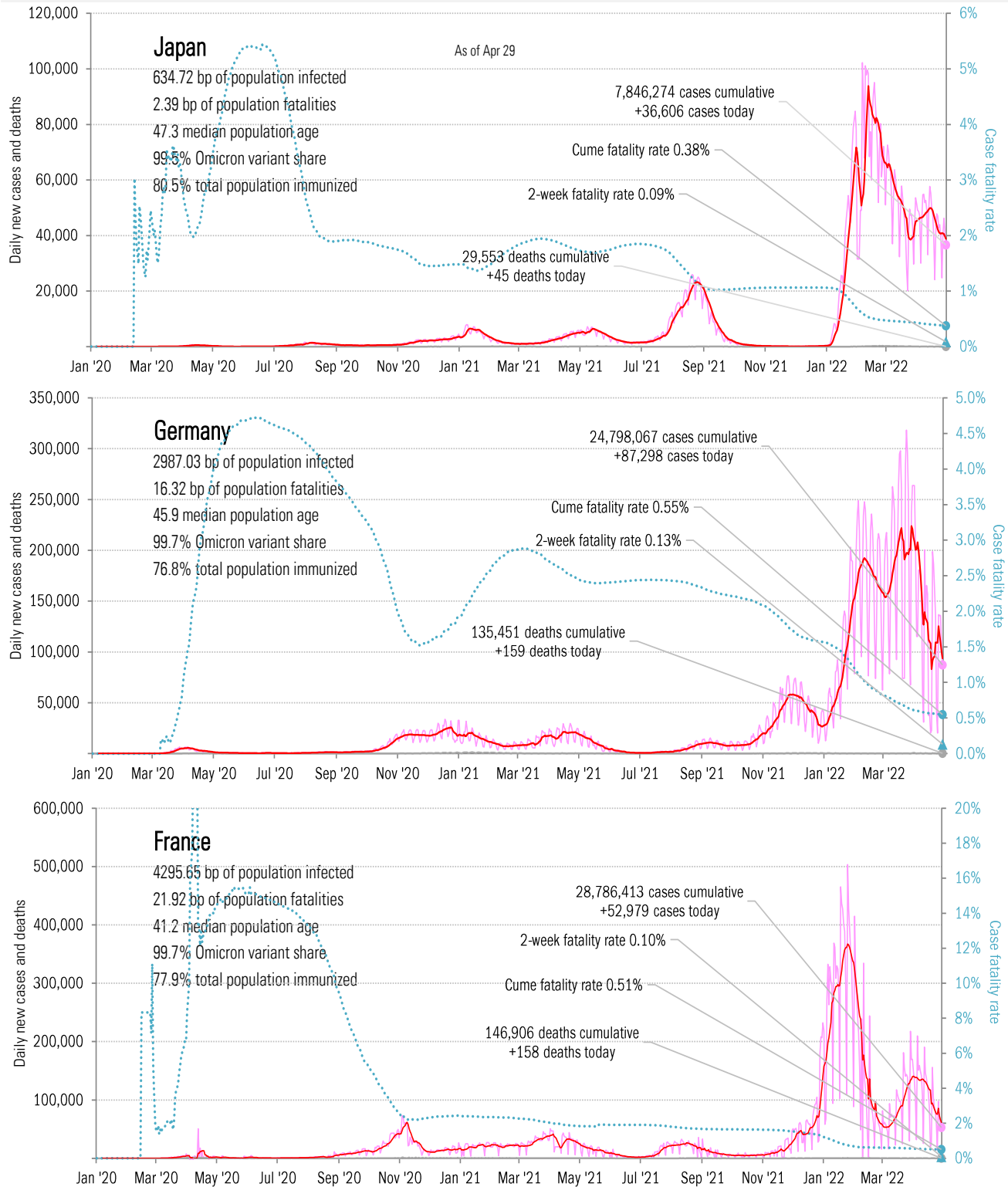
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

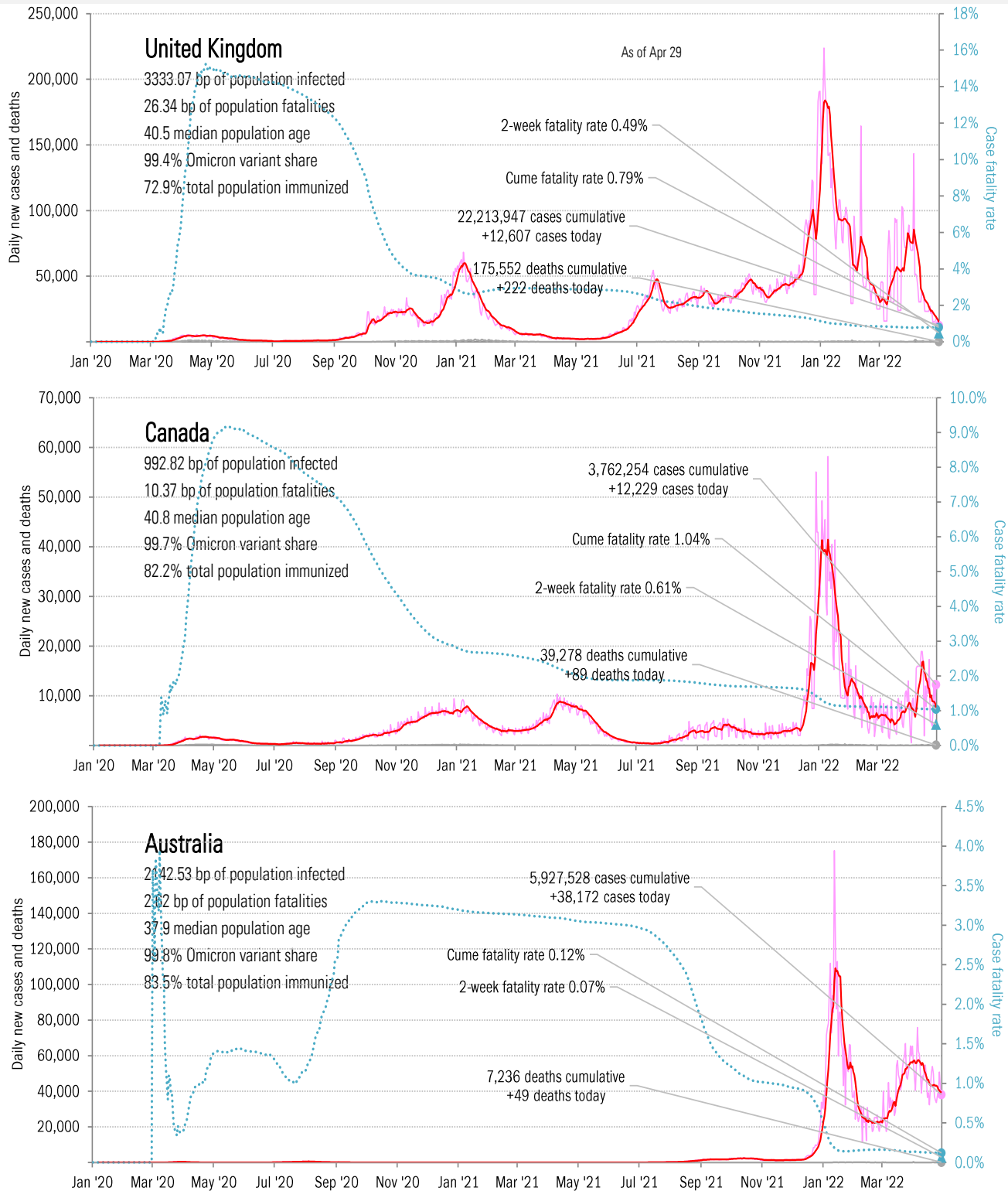
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

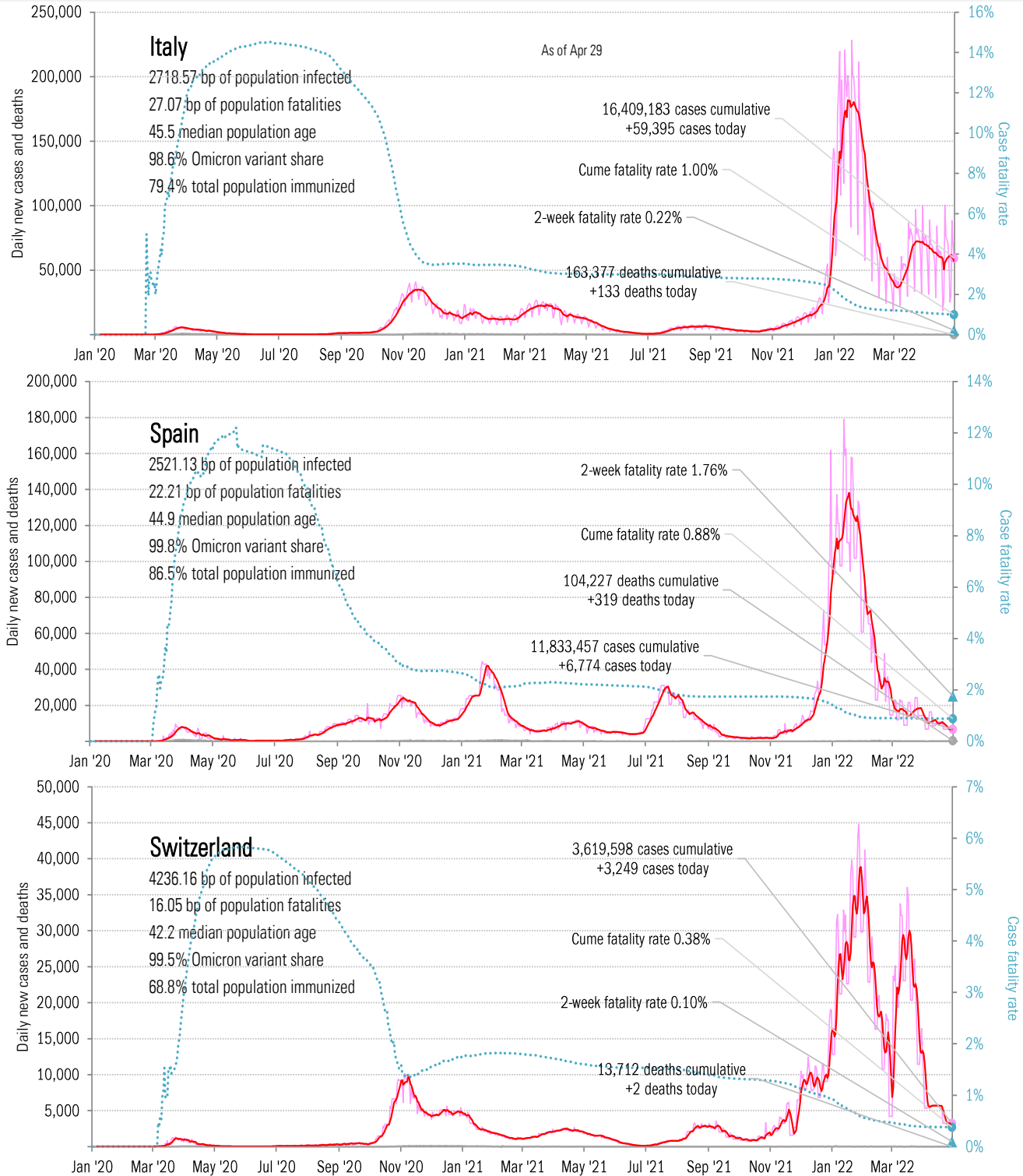


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

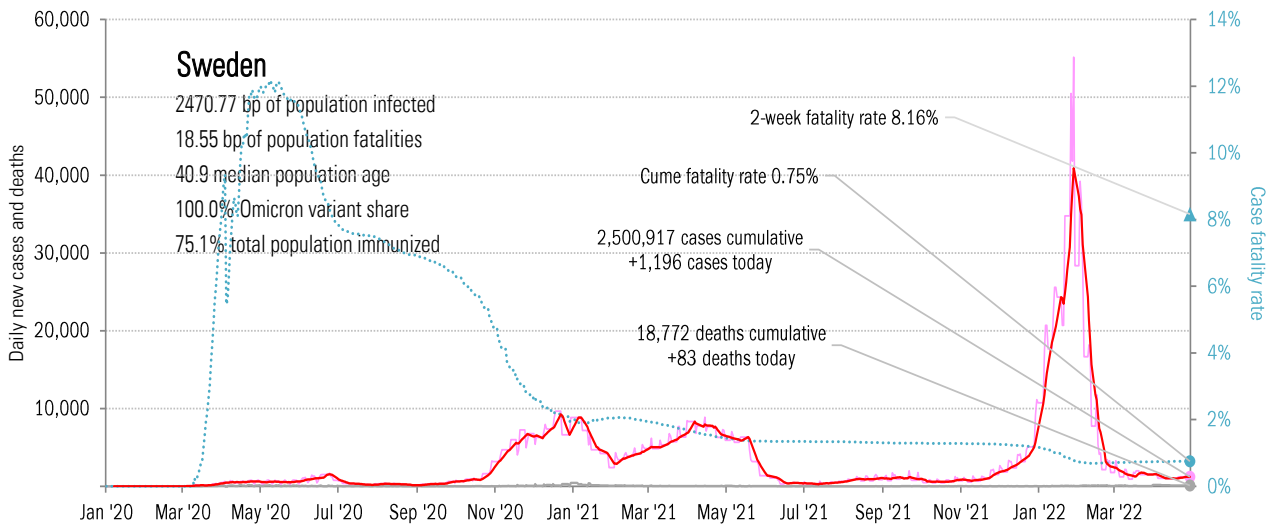
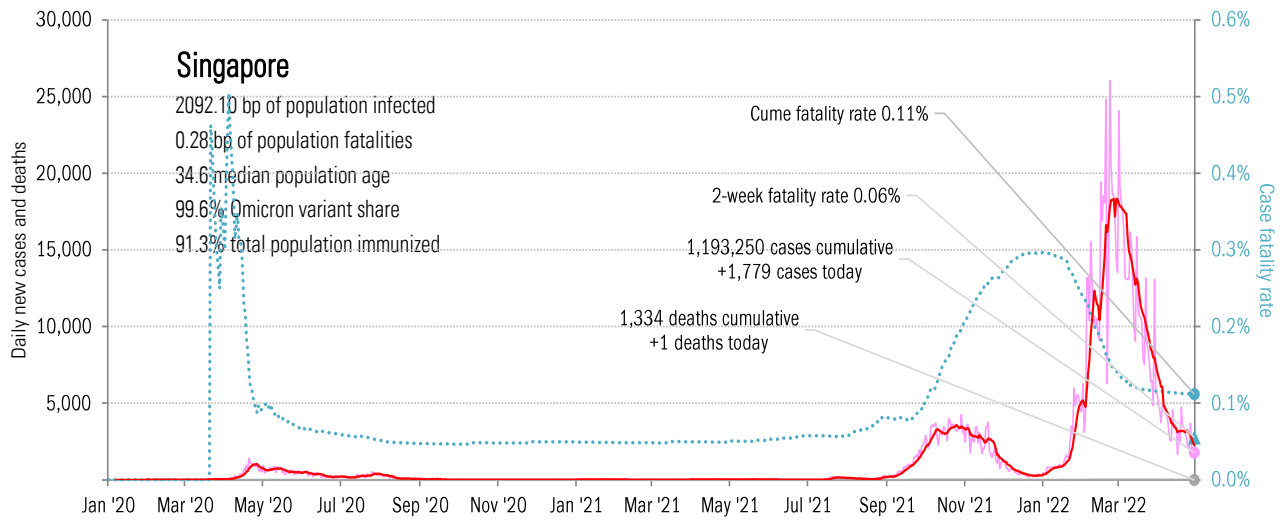
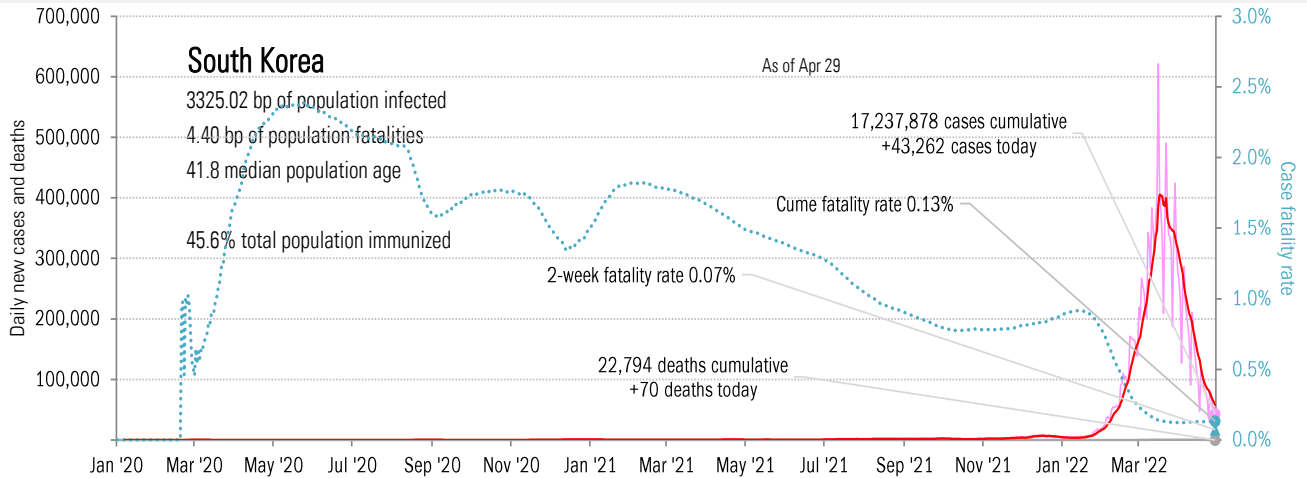
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

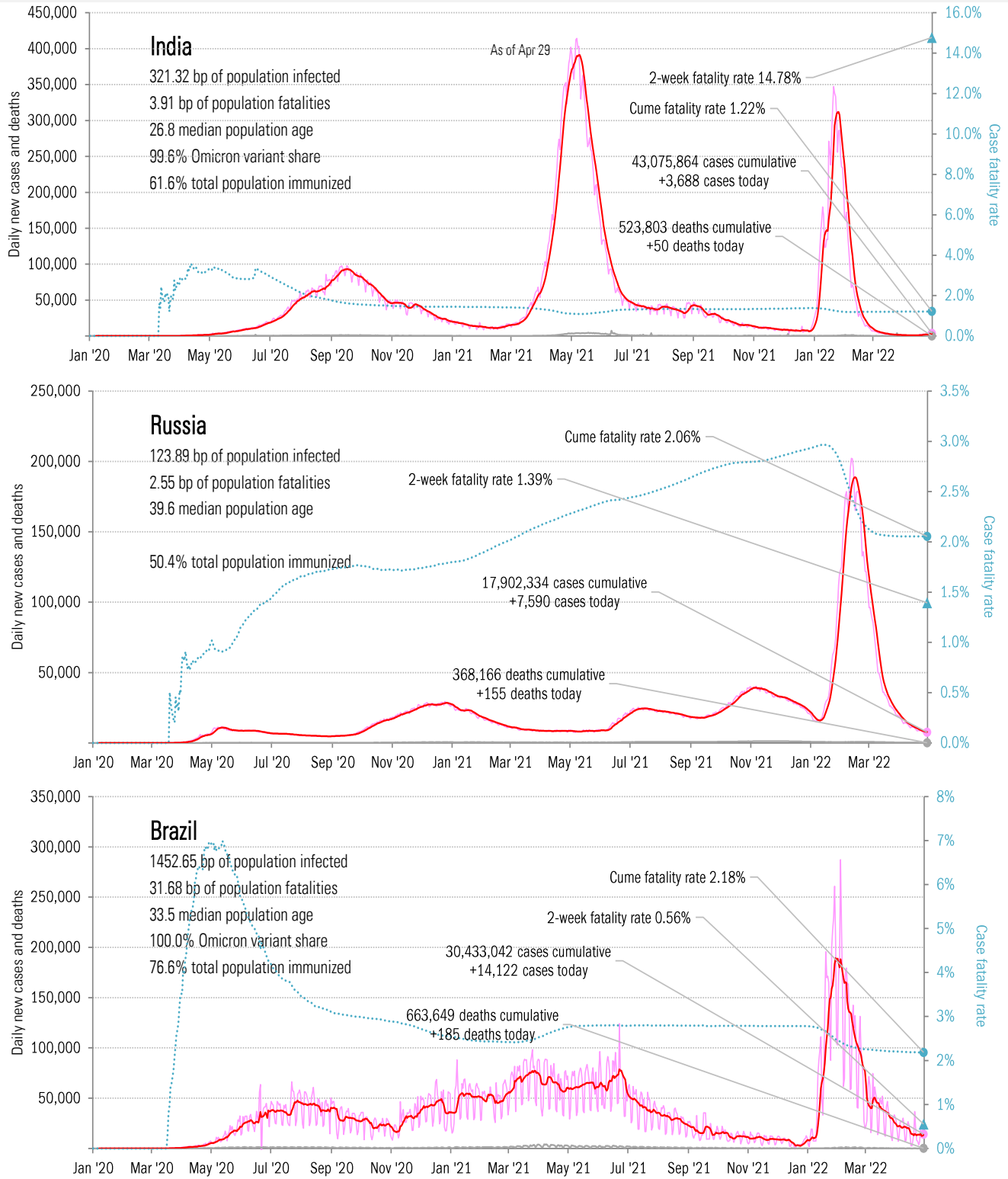
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

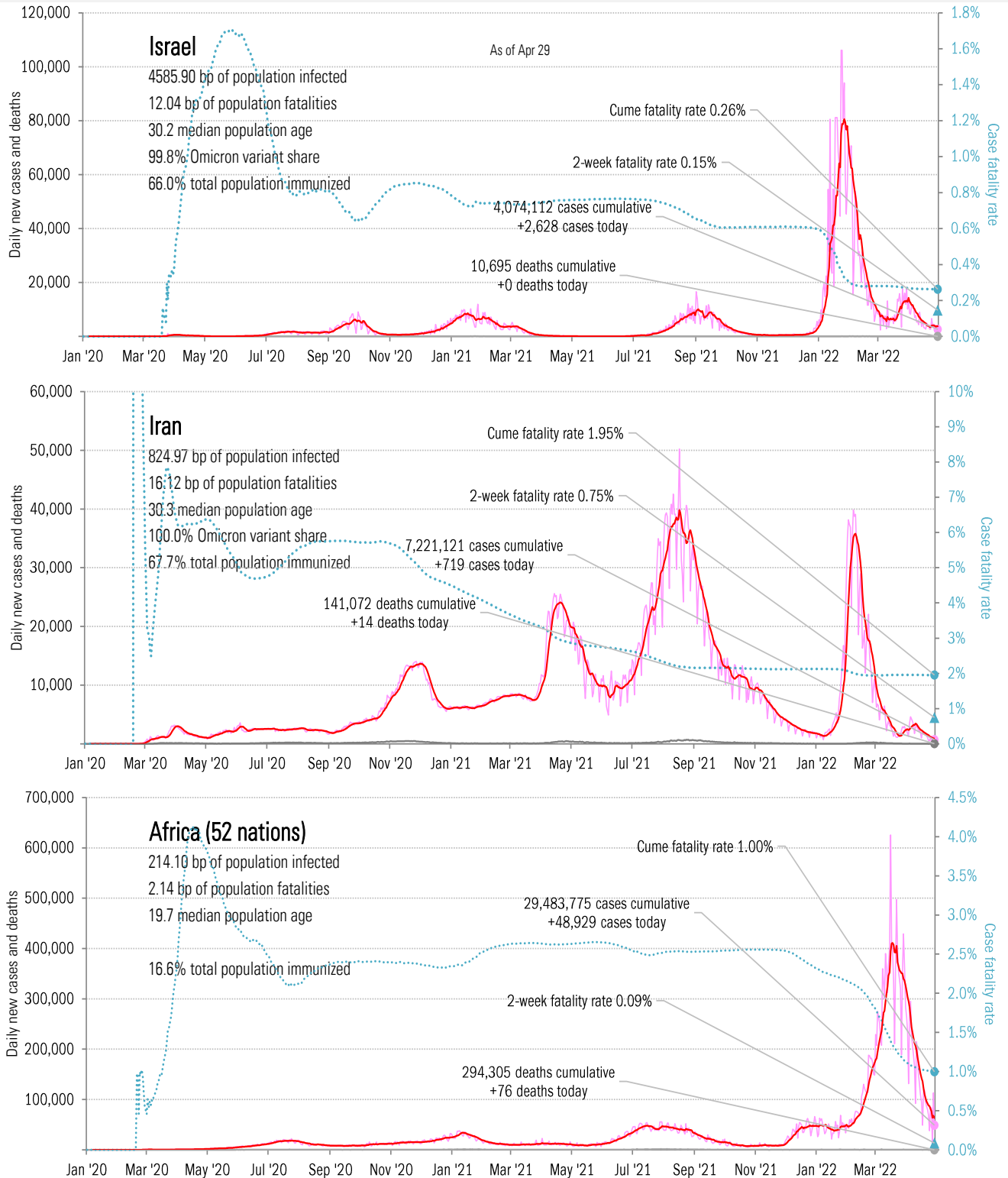
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

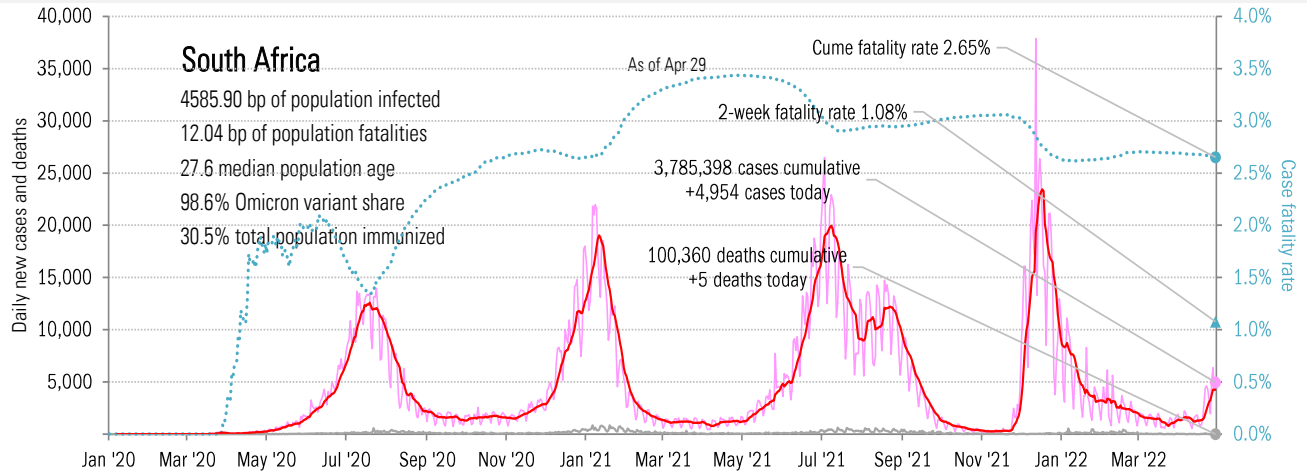
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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