

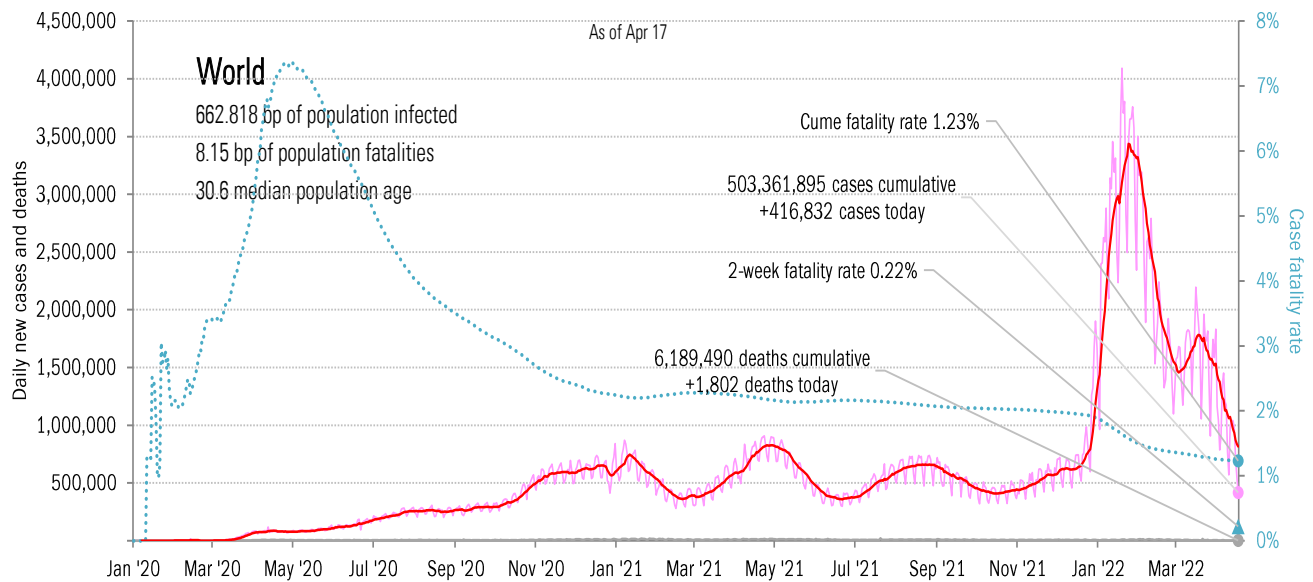
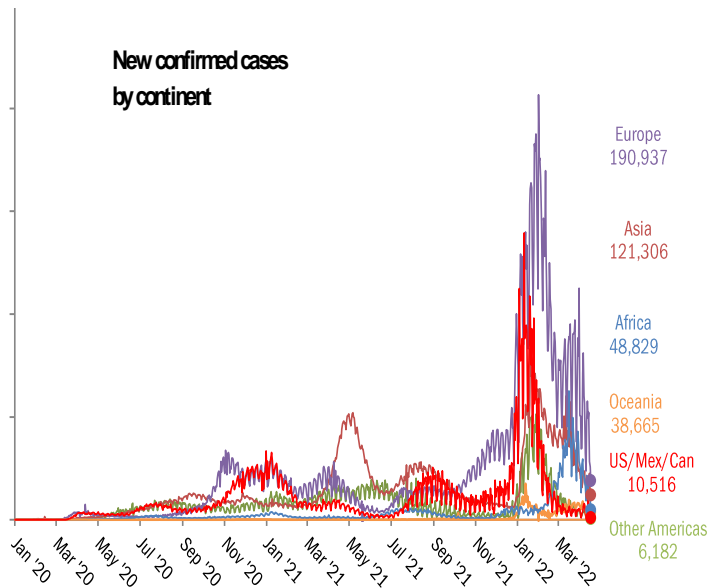
Data Insights: Covid-2019 Monitor

Monday, April 18, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
France	86,650	United States	539
Italy	52,253	Russia	227
Korea, South	47,743	India	214
Japan	39,205	Korea, South	132
Australia	32,365	Thailand	124
China	26,970	Italy	85
Germany	20,482	Greece	51
Thailand	16,994	France	35
Vietnam	14,660	Chile	32
Russia	10,096	Iran	29
347,418		1,468	
World	416,832	World	1,802
Top ten	83%	Top ten	81%



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

For more information contact us:

Donald Luskin: 214 550 2121 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

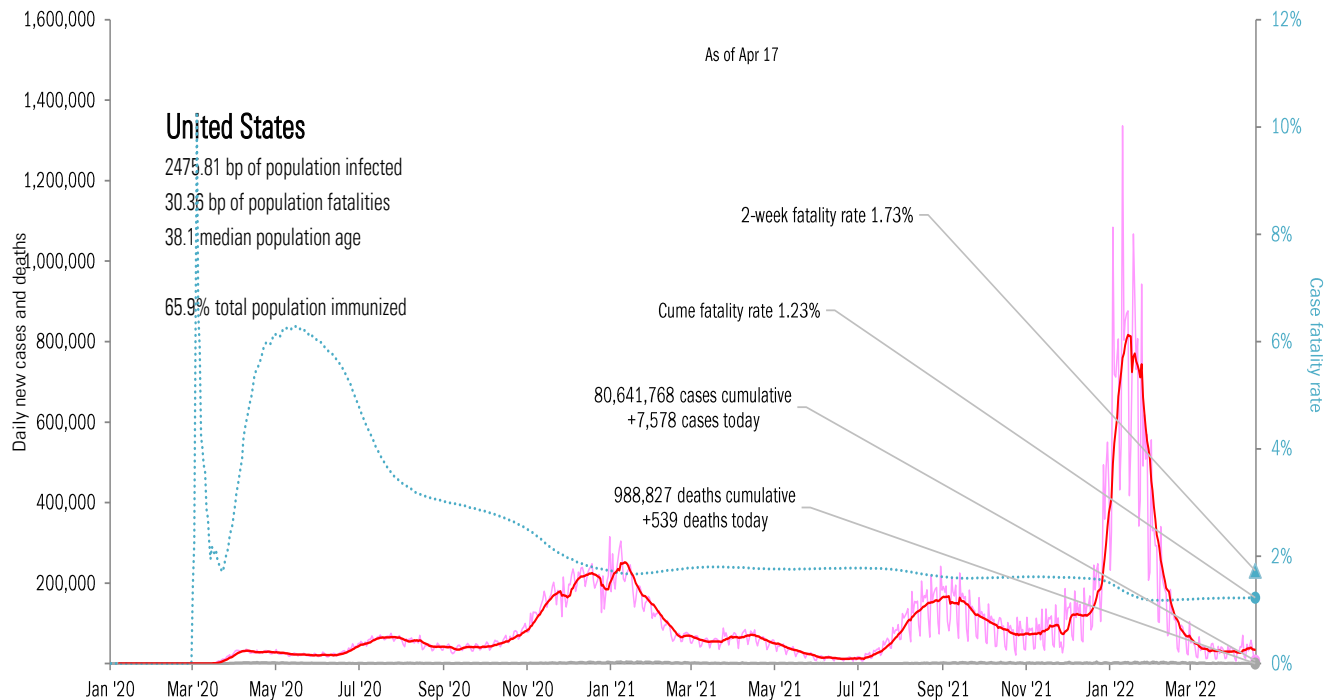
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FR	4,756		AZ	20		FL	225		CA	9,157,755	CA	89,670	TX	488,836		RI	89%	RI	84%		
NJ	1,649		FL	19		CA	136		TX	6,785,022	TX	87,809	CA	424,797		MA	86%	NM	83%		
PA	732		AR	9		GA	68		FL	5,912,913	FL	73,823	FL	415,331		MN	84%	KY	81%		
AZ	397		FR	1		NJ	62		NY	5,074,112	NY	68,114	NY	247,637		MD	83%	TX	81%		
KY	215		AK	0		NY	165		IL	3,094,485	PA	44,488	GA	207,219		WV	82%	AL	80%		
AR	31		AL	0		NC	49		PA	2,797,607	CH	38,266	CH	190,822		DE	80%	MA	80%		
GU	13		AS	0		AL	25		CH	2,681,437	GA	37,523	PA	176,303		MO	80%	VT	80%		
AK	0		CA	0		CH	60		NC	2,639,241	IL	35,943	IL	157,414		GA	80%	AK	79%		
AL	0		CO	0		PA	60		GA	2,506,634	MI	35,857	MI	141,500		WA	79%	MS	79%		
AS	0		CT	0		TX	108		MI	2,400,990	NJ	33,336	KY	132,940		DC	79%	DC	78%		
7,793			49			958			43,050,196			544,829			2,582,799						
All states	7,578			539			1,618		All states	80,641,768		988,827		4,689,463		All states	70%		67%		
Top ten	103%			9%			59%		Top ten	53%		55%		55%		Median	73%		71%		

Some states not reporting

Five most improved US states

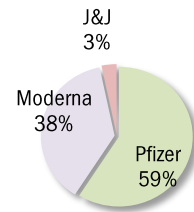
Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most pop immunity growth
FL -6,561	FL -96	AZ -61	AZ +10 bp
NY -5,762	PA -14	NY -24	CA +10 bp
AZ -2,112	CA -4	WA -14	CT +10 bp
CK -1,234	NJ -4	IN -10	IA +10 bp
PA -604	AK 0	CK -9	ID +10 bp



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	584,563,027		+0.188 million	US	65.9%	77.3%
Boosters	100,750,691		+0.036 million	UK	72.7%	77.7%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	264,499,342	79%	225,174,978	67%	+0.026 million	France 77.9% 80.1%
Age 12 to 17	17,655,423	70%	15,062,192	60%	+0.002 million	Spain 86.3% 88.1%
Age 18 to 64	178,012,040	88%	151,013,051	74%	+0.013 million	Germany 75.4% 76.0%
Age 65 and over	58,635,599	100%	50,909,448	93%	+0.009 million	Italy 79.3% 84.1%
						Australia 83.1% 86.3%
						Israel 66.0% 72.2%
						Canada 82.1% 86.9%
						Japan 80.2% 81.7%
						Africa 16.2% 21.2%
						India 60.4% 71.6%
						Brazil 76.0% 85.0%
						China 86.2% 88.6%



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

AK	69.6%
	62.0%

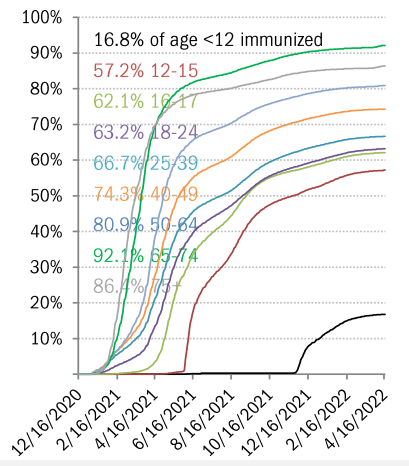
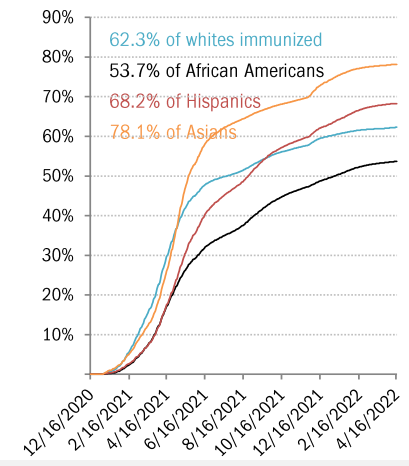
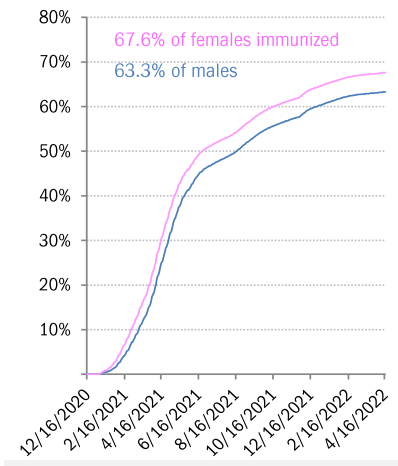
US	65.9%	77.3%
UK	72.7%	77.7%
France	77.9%	80.1%
Spain	86.3%	88.1%
Germany	75.4%	76.0%
Italy	79.3%	84.1%
Australia	83.1%	86.3%
Israel	66.0%	72.2%
Canada	82.1%	86.9%
Japan	80.2%	81.7%
Africa	16.2%	21.2%
India	60.4%	71.6%
Brazil	76.0%	85.0%
China	86.2%	88.6%

Global data differs due to sources, timing

As of Apr 17

					WI					ME
					71.7%					89.9%
					65.4%					79.2%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.6%	60.9%	65.1%	64.8%	74.9%	76.5%	66.8%		89.9%	93.1%	86.8%
72.4%	53.9%	56.6%	54.7%	69.0%	68.5%	60.0%		76.6%	80.9%	69.2%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.7%	75.0%	58.6%	76.1%	67.8%	61.3%	63.4%	84.5%	90.1%	95.0%	
69.4%	60.6%	51.4%	61.0%	61.8%	54.7%	58.2%	68.1%	75.4%	78.6%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
83.4%	71.9%	79.1%	70.1%	66.0%	66.0%	64.8%	85.4%	86.2%	95.0%	95.0%
71.8%	64.1%	70.0%	63.4%	55.9%	57.2%	57.4%	72.9%	75.4%	78.9%	82.1%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	72.7%	87.3%	74.3%	66.4%	62.0%	83.7%	67.3%	95.0%	82.8%	
	61.3%	70.8%	61.2%	54.2%	54.3%	60.6%	56.6%	73.6%	68.8%	
			OK	LA	MS	AL	GA			
			70.8%	60.9%	59.4%	62.6%	65.2%			
			57.0%	53.4%	51.7%	51.0%	54.5%			
			TX					FL		PR
			72.7%					79.0%		94.7%
			61.2%					66.7%		82.8%

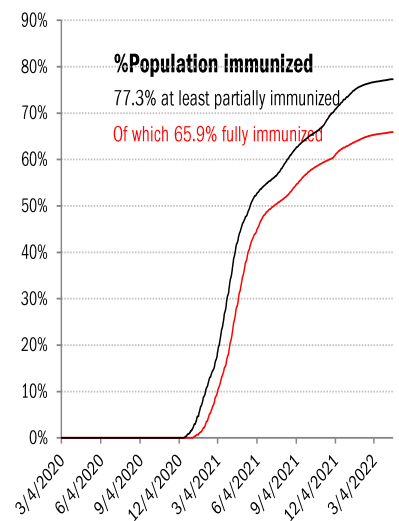
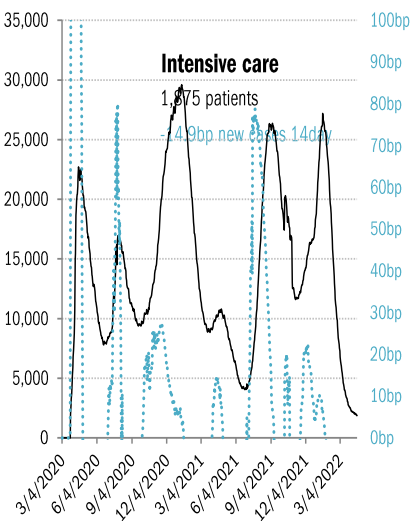
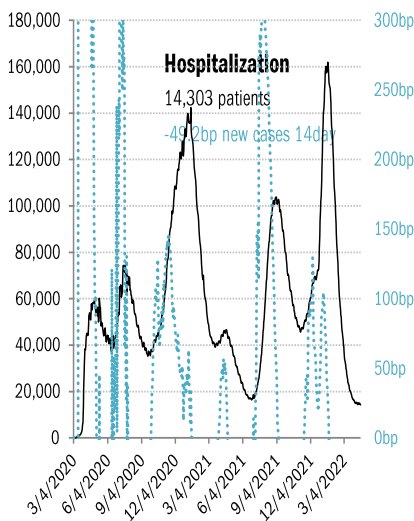
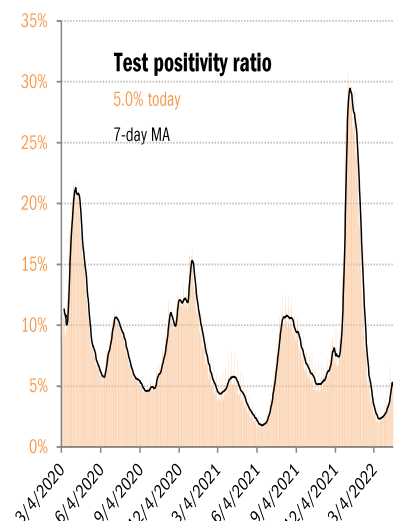
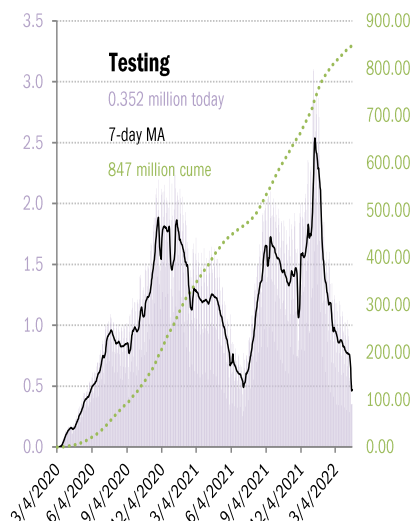
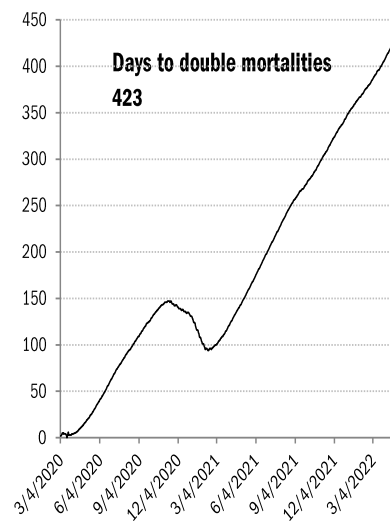
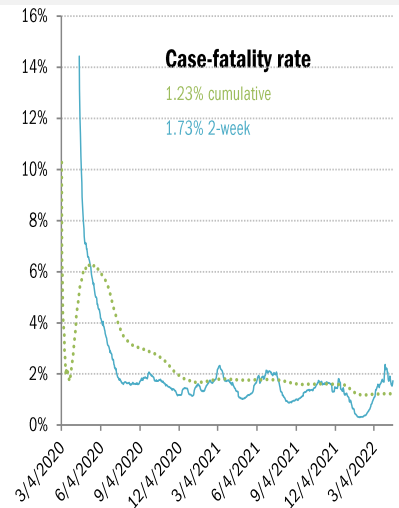
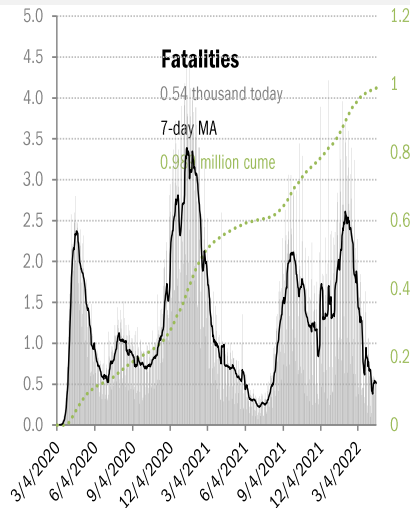
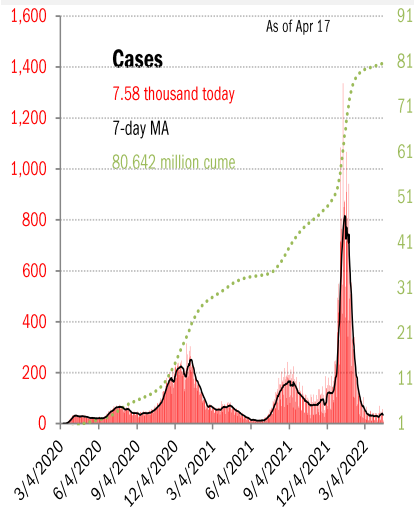
The demographics of US vaccination



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

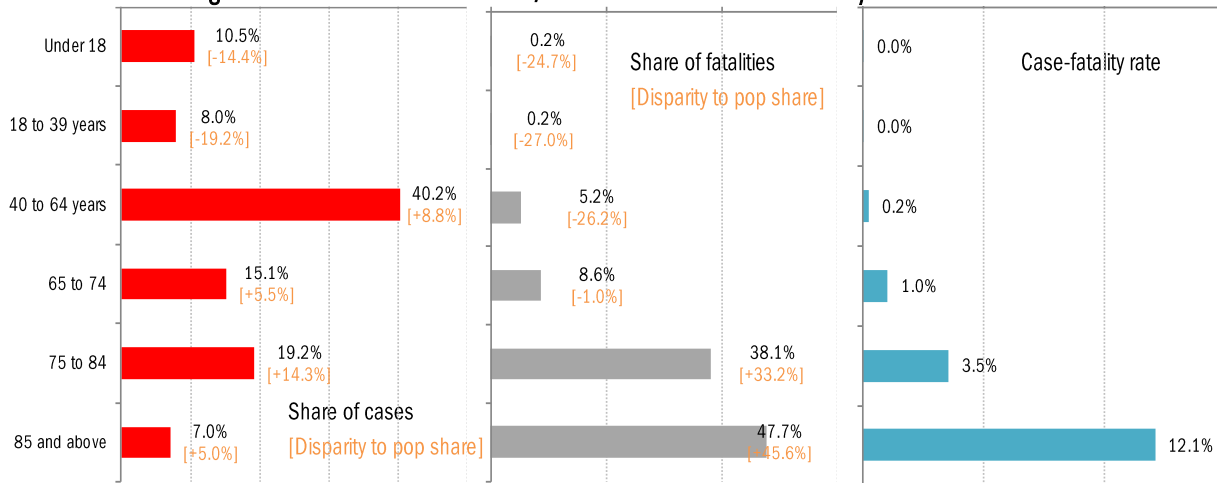
US deep-dive

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

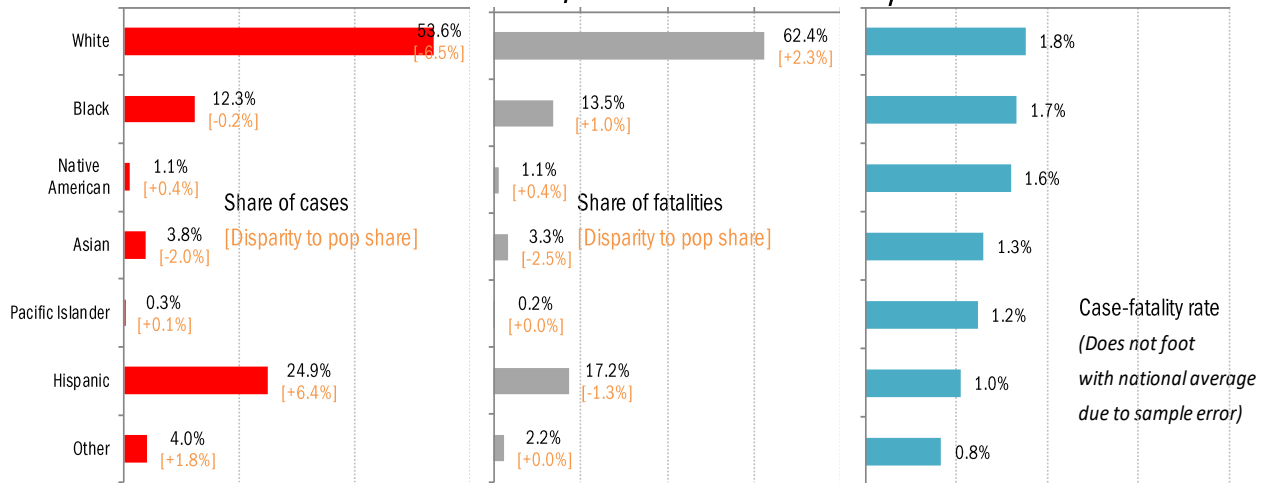


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

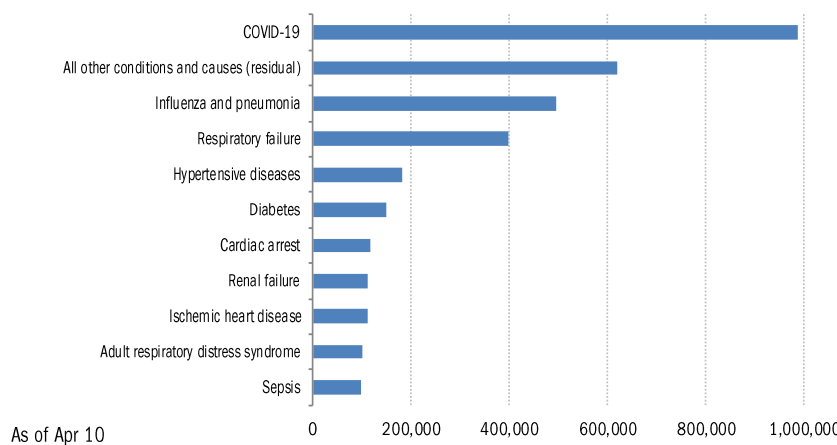


Racial distribution of US cases, fatalities and case-fatality rates



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

[First Minister reported to police over mask rule breach video](#)

BBC

April 17, 2022

[Why American Teens Are So Sad](#)

Derek Thompson

The Atlantic

April 11, 2022

Meme of the day

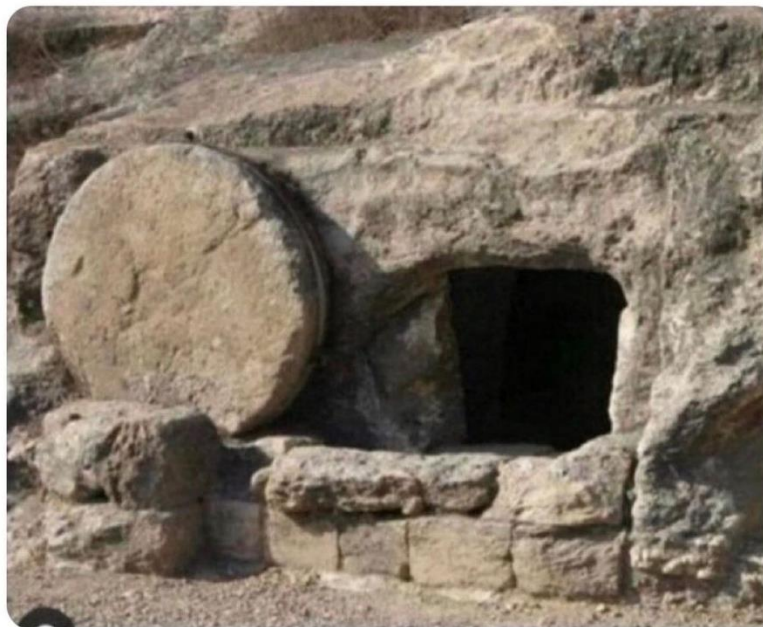


Rodney Howard-Browne ✓

@rhowardbrowne



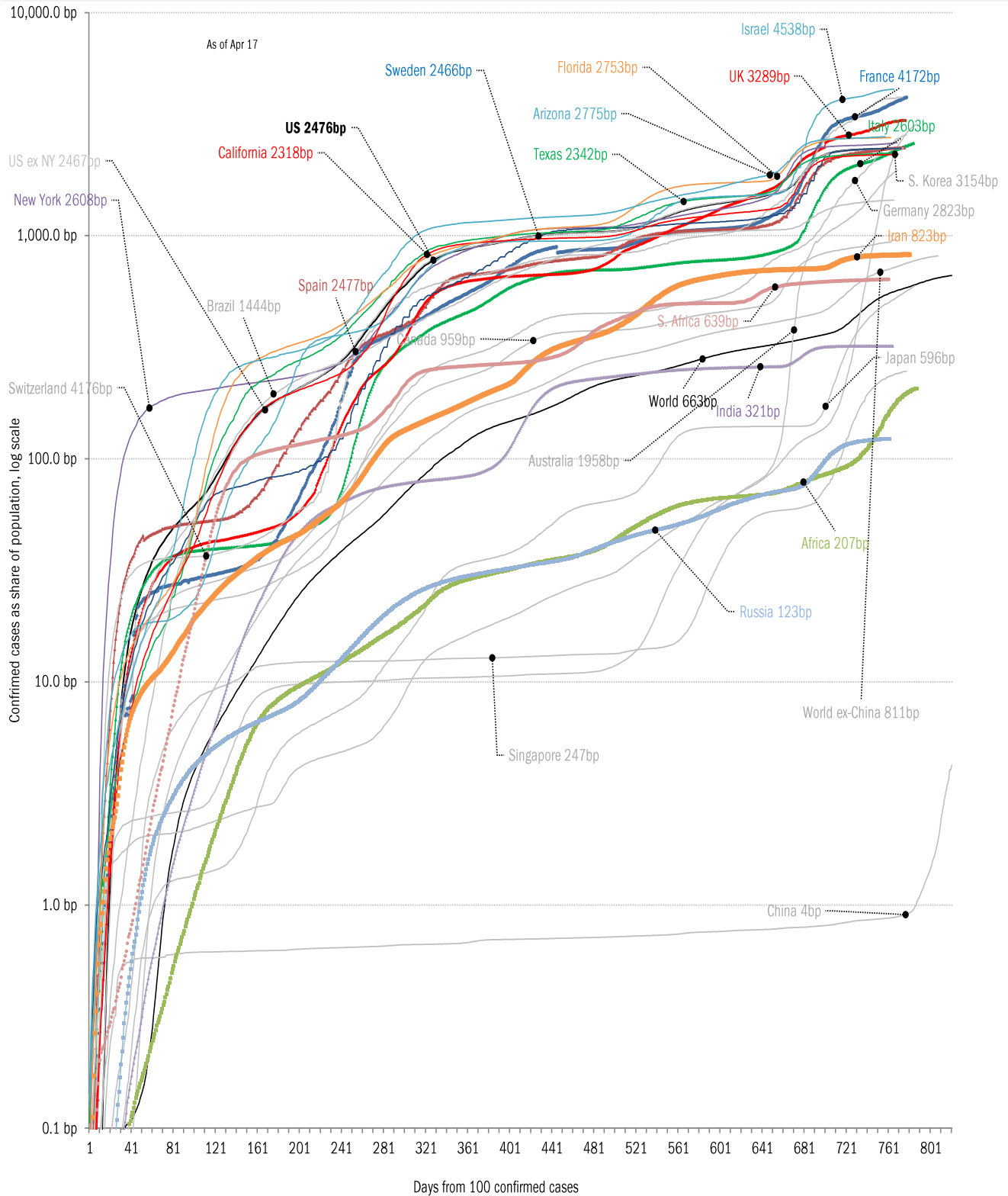
Lockdowns don't work 🙄



8:57 PM · 4/16/22 · Twitter for iPhone

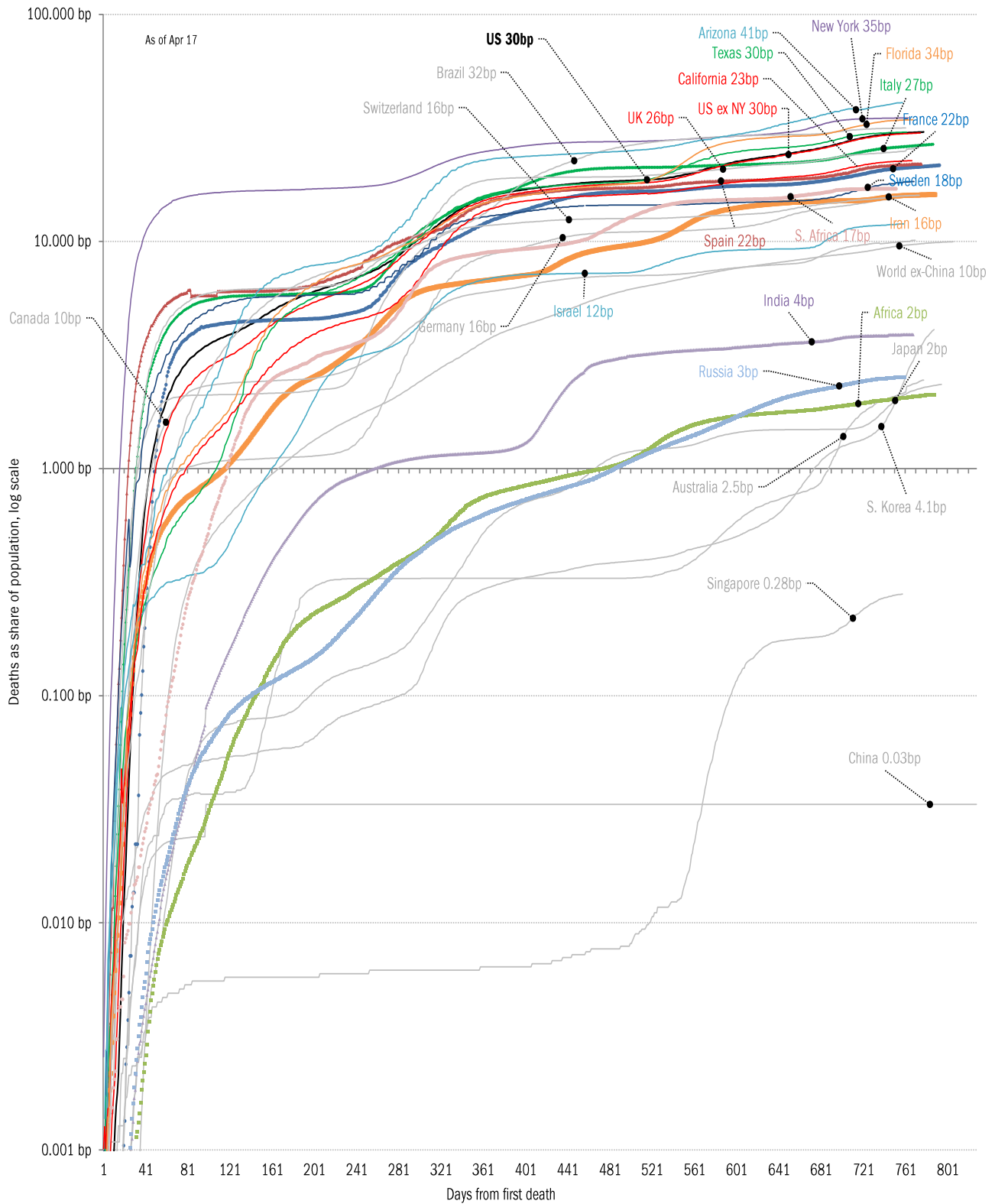
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

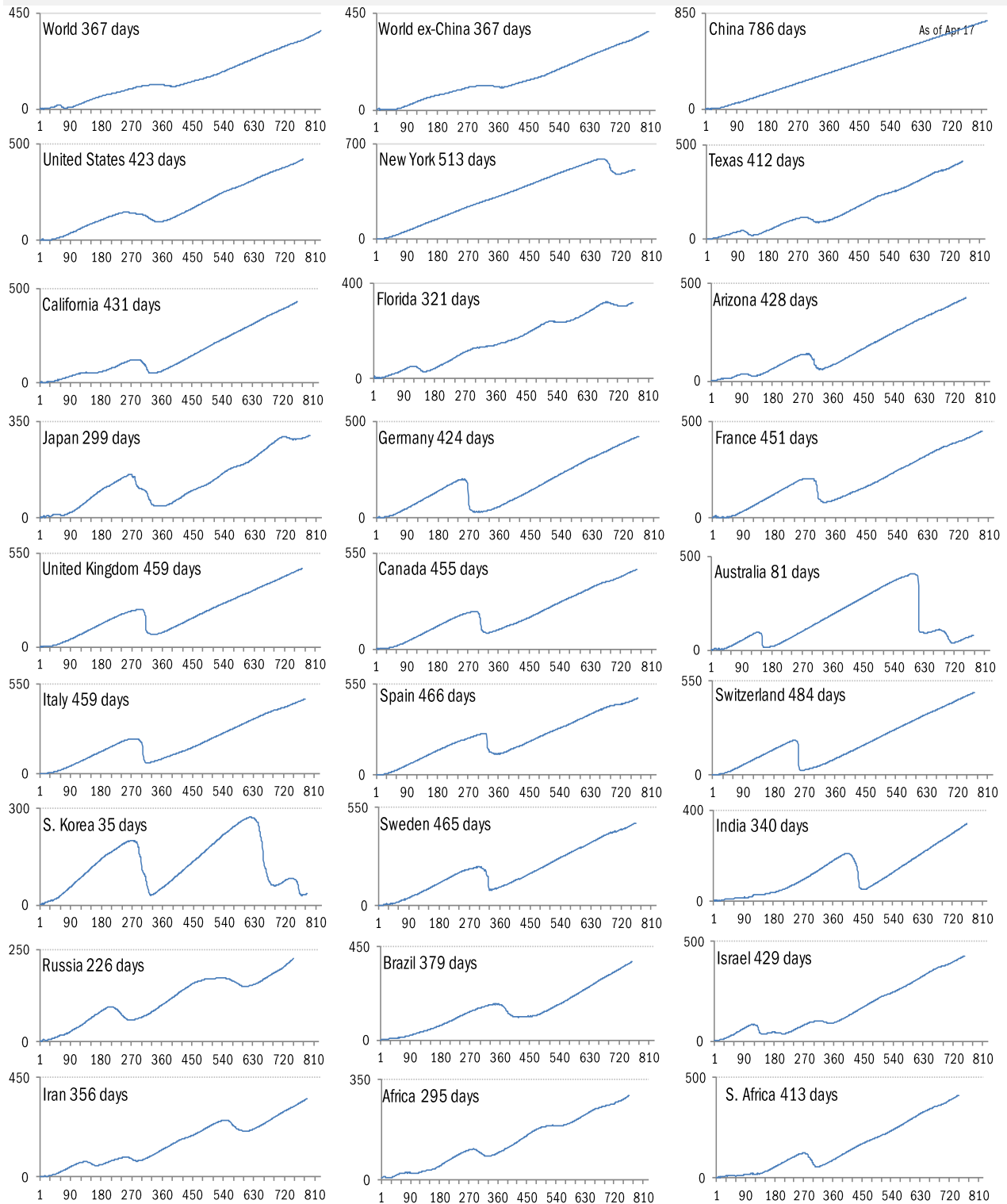


Source: [Johns Hopkins](#), TrendMacro calculations

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

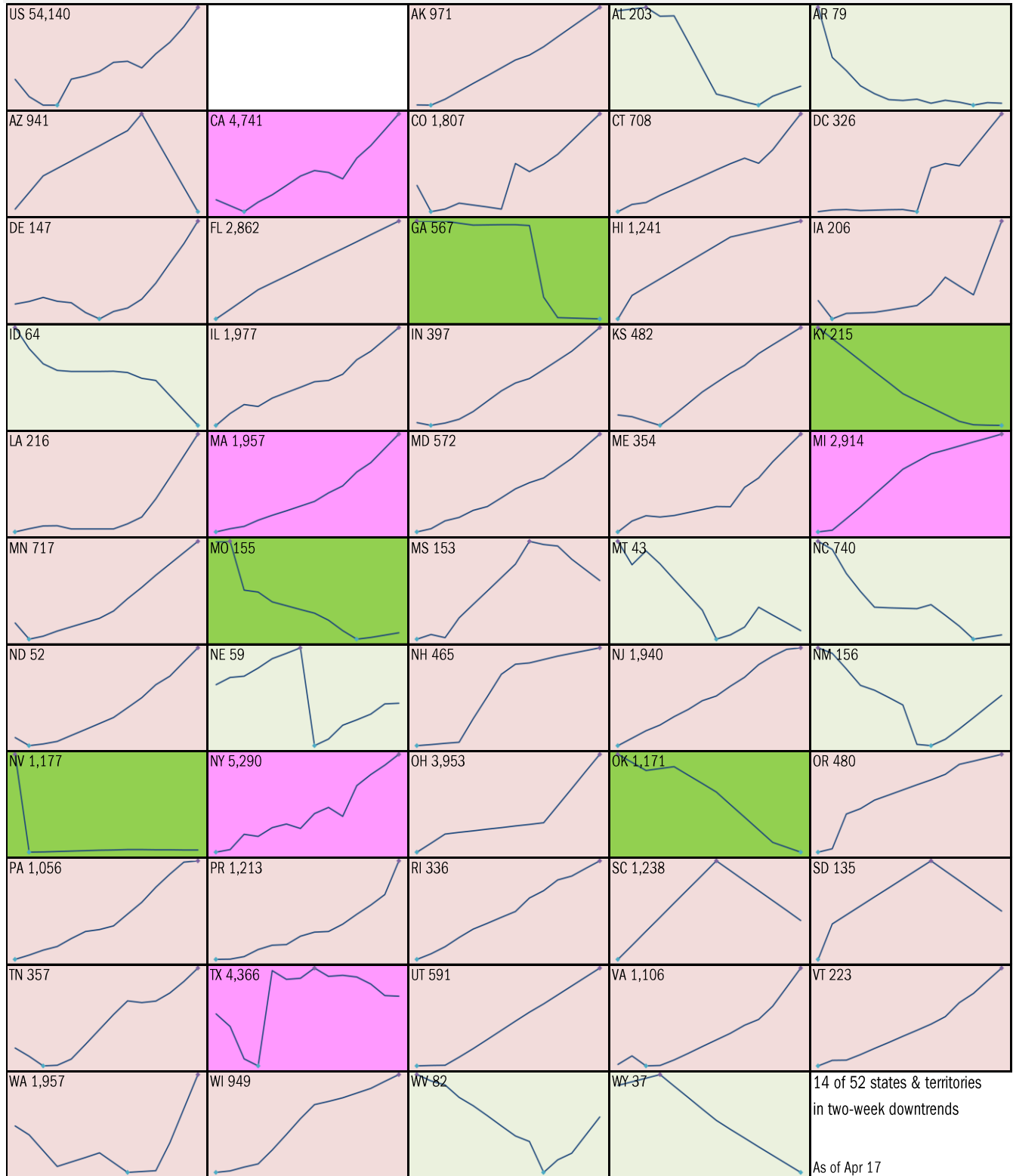


Source: [Johns Hopkins](#), TrendMacro calculations

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](#), 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

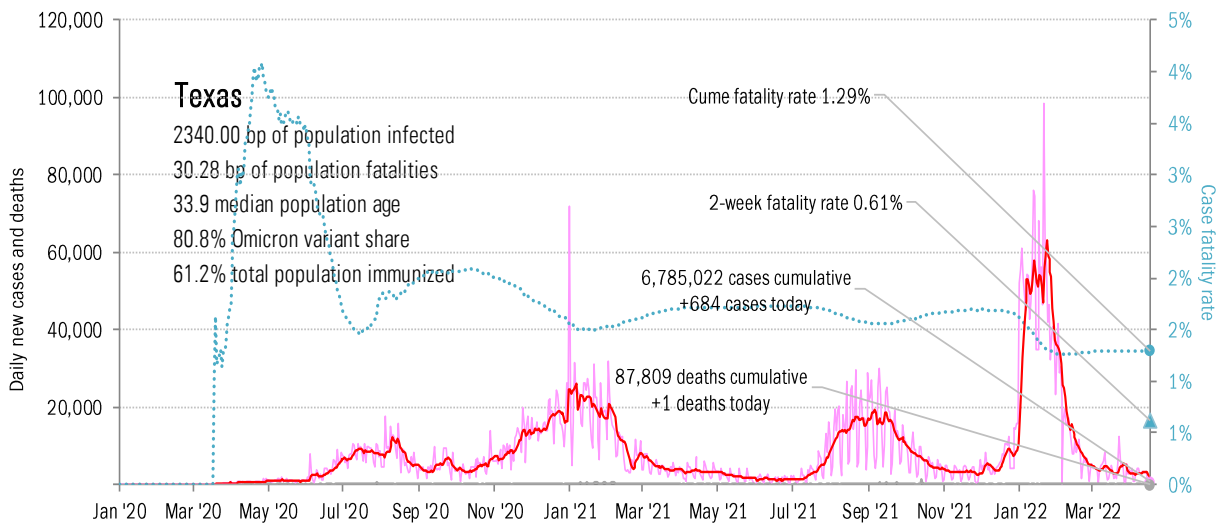
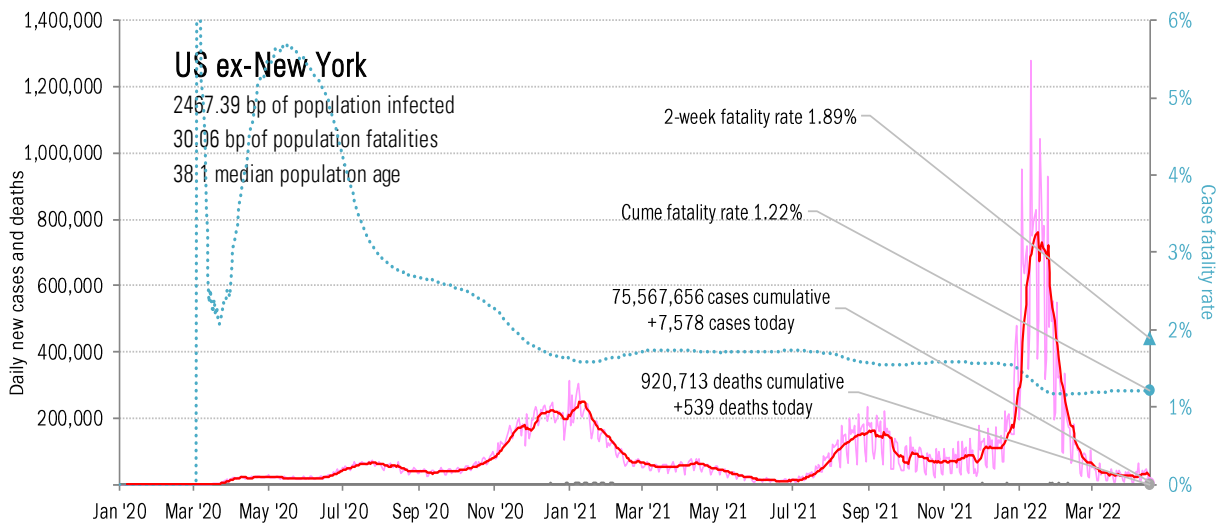
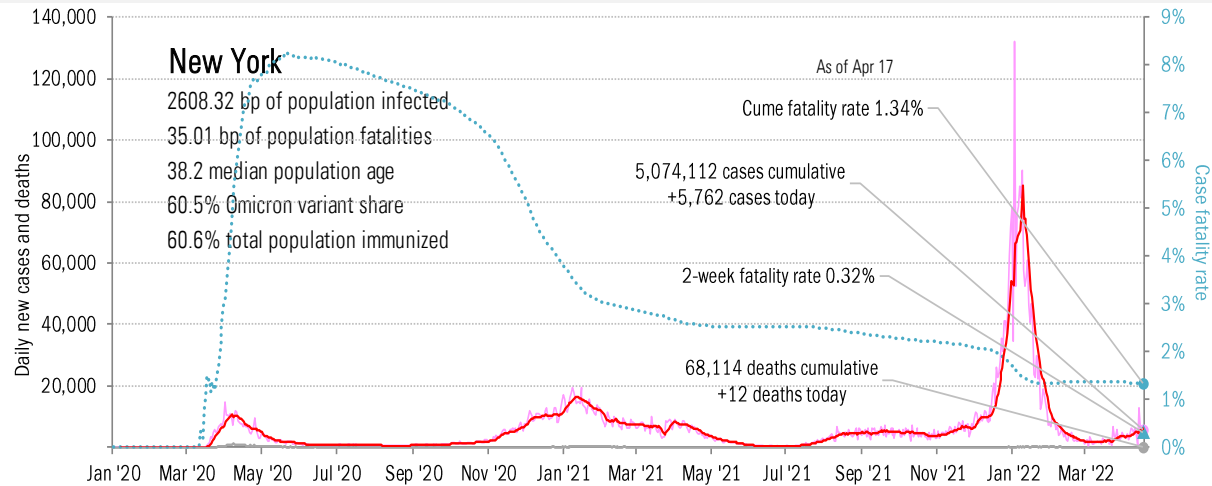


Test data for WA is temporarily unavailable.

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

From Ground Zero to the Rio Grande

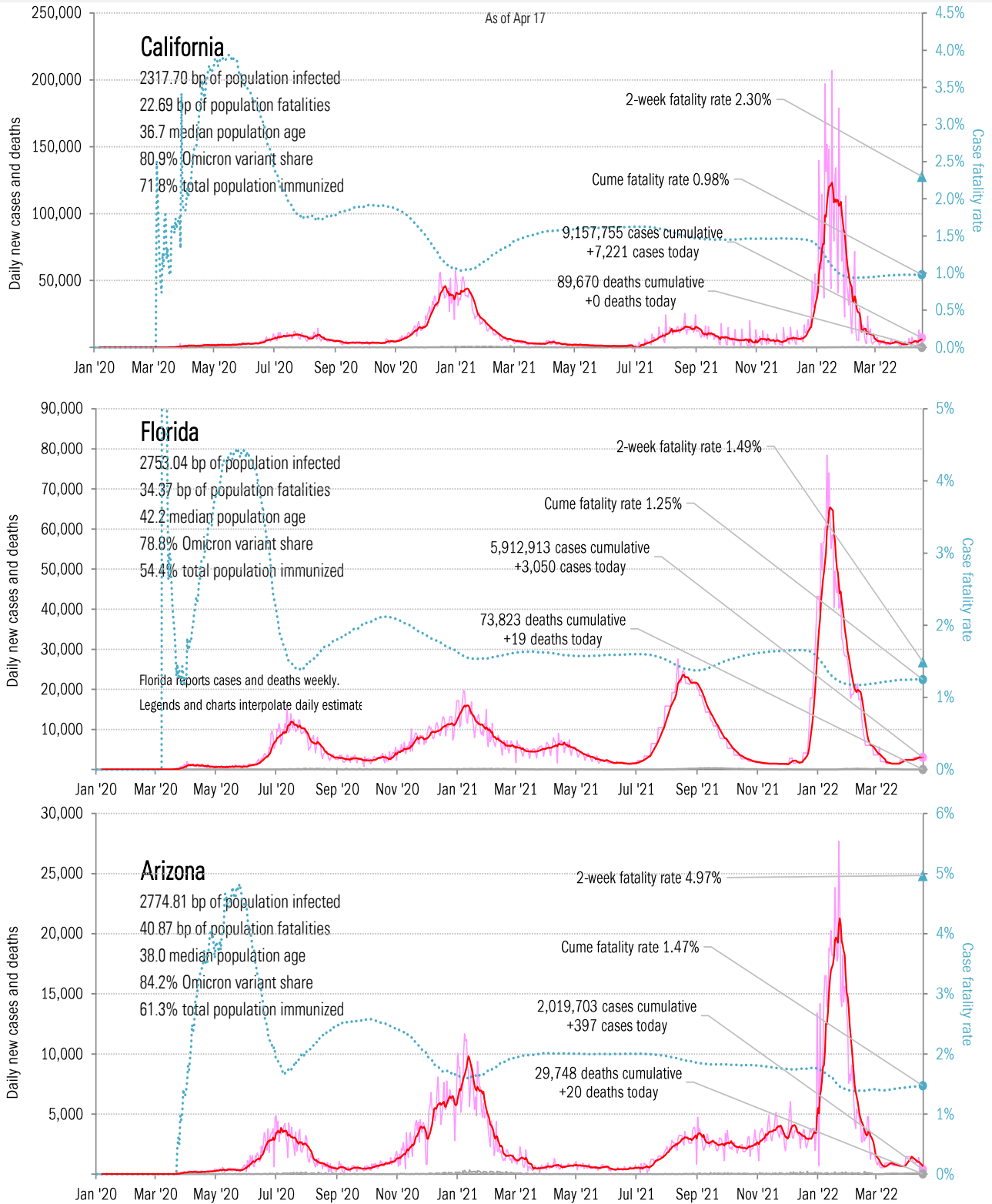
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

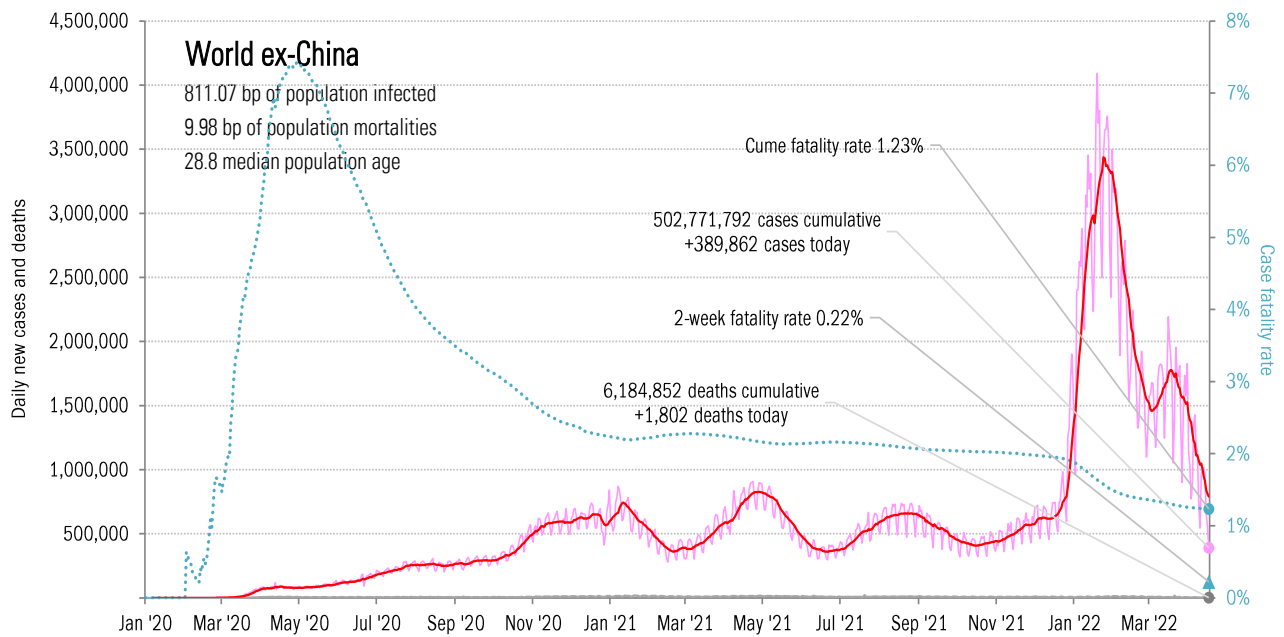
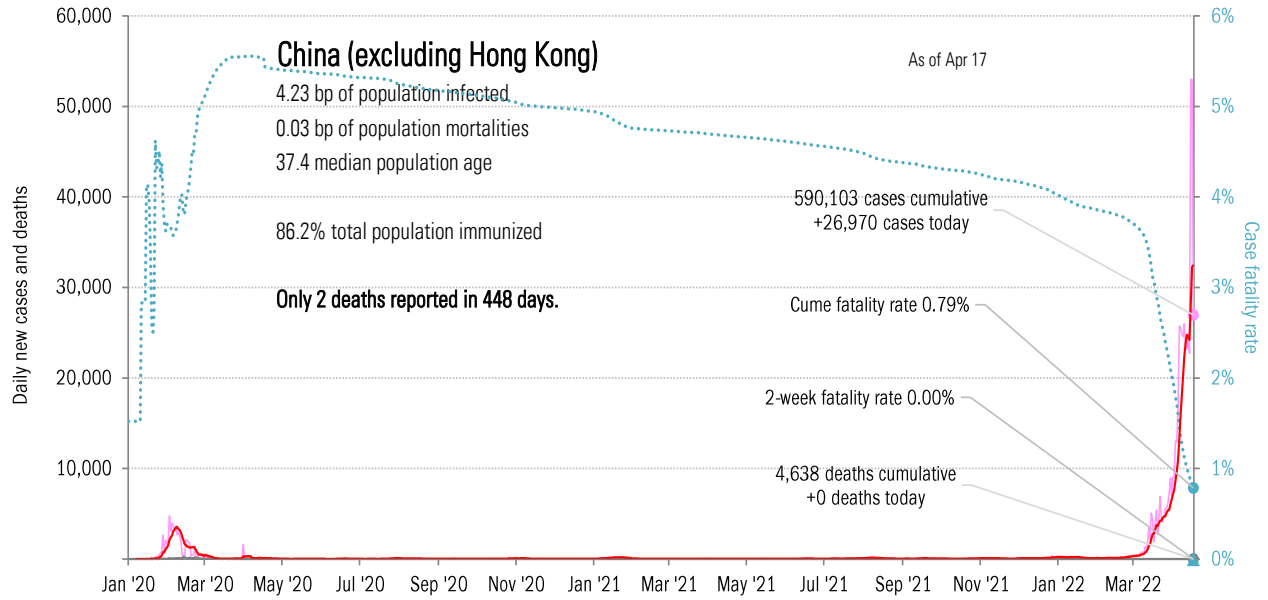
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

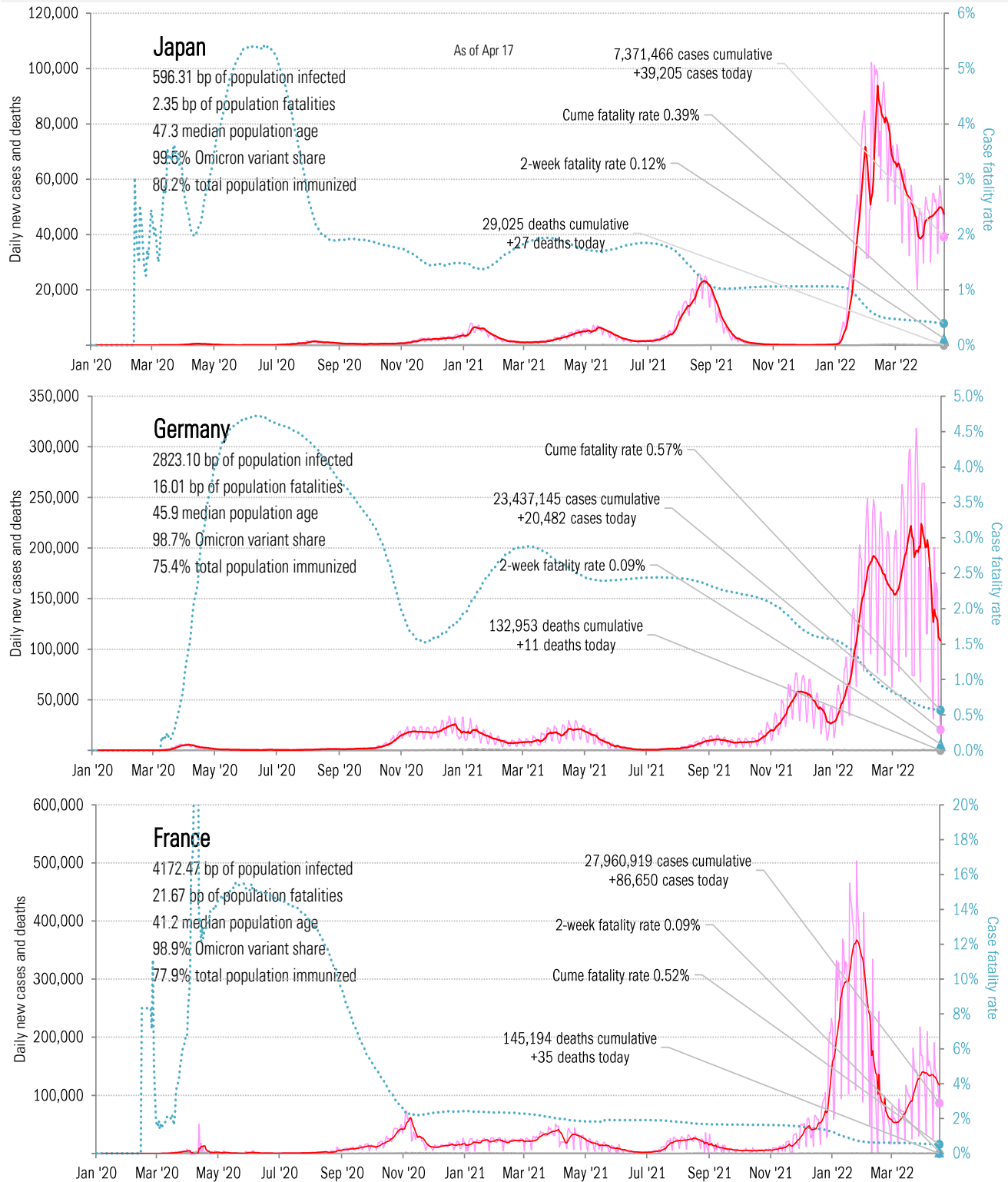
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

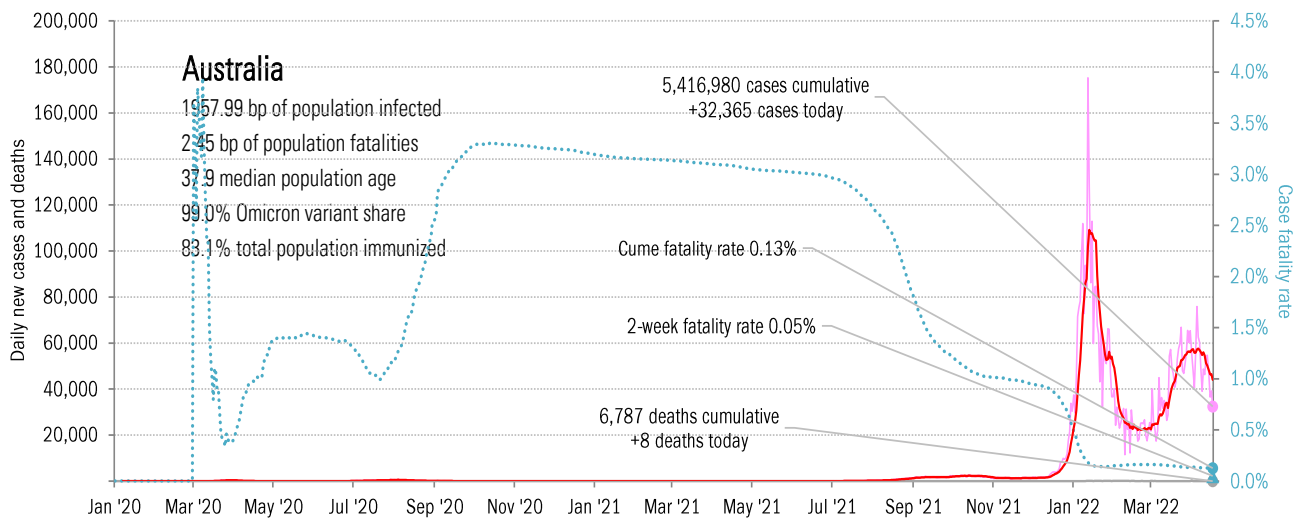
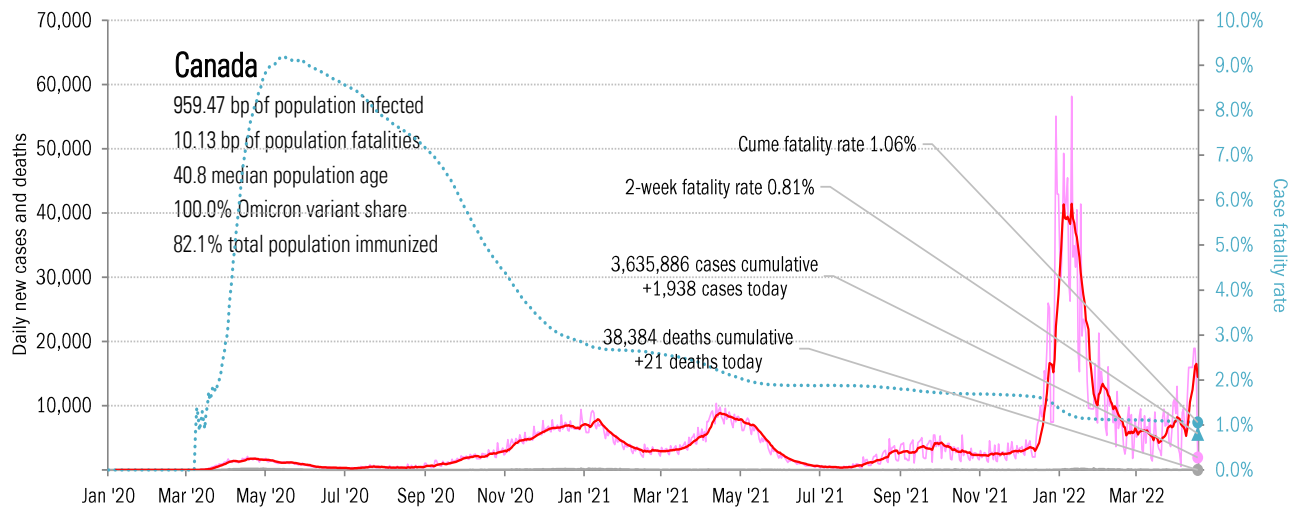
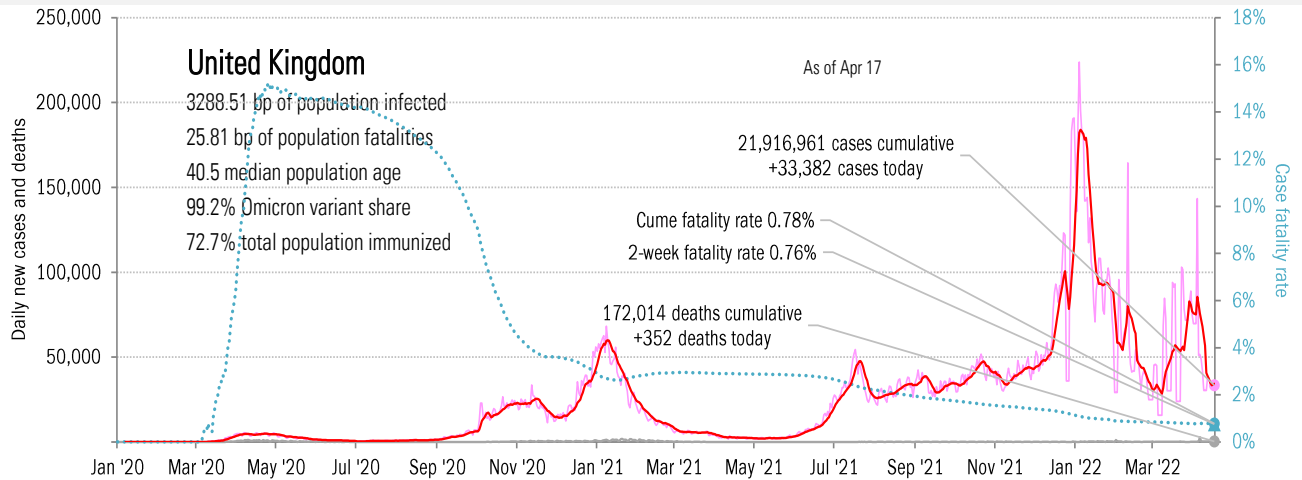
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

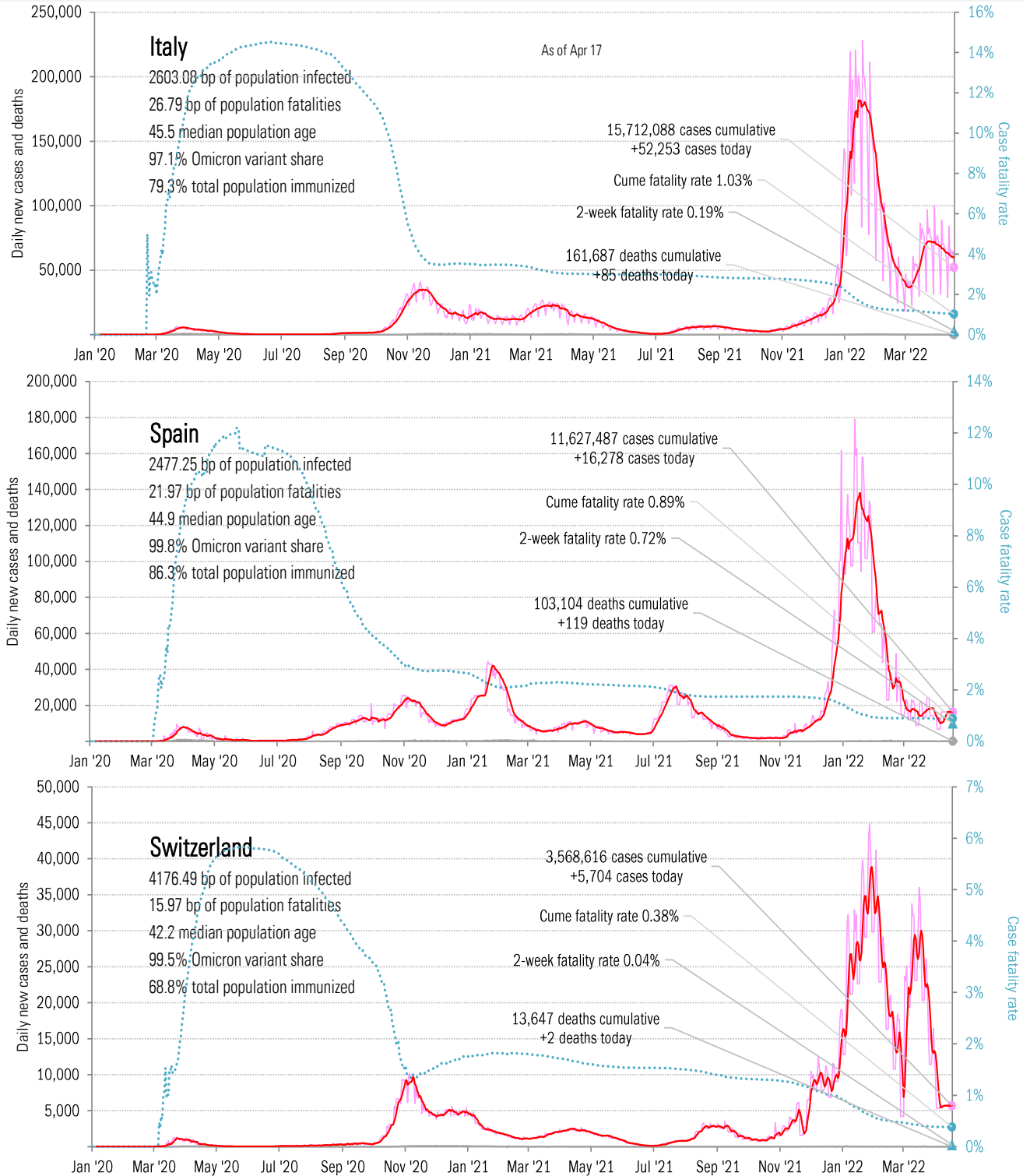
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

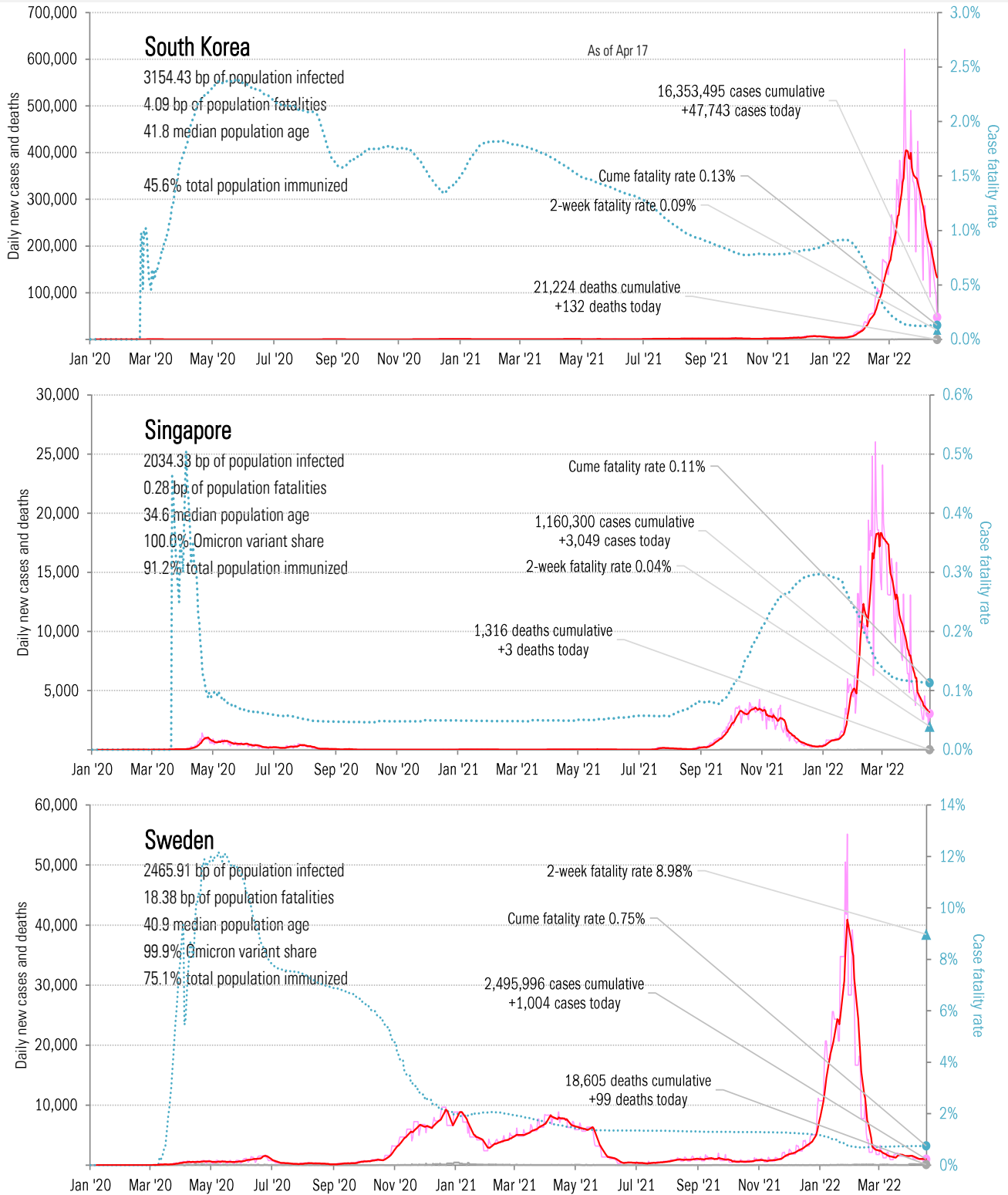
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

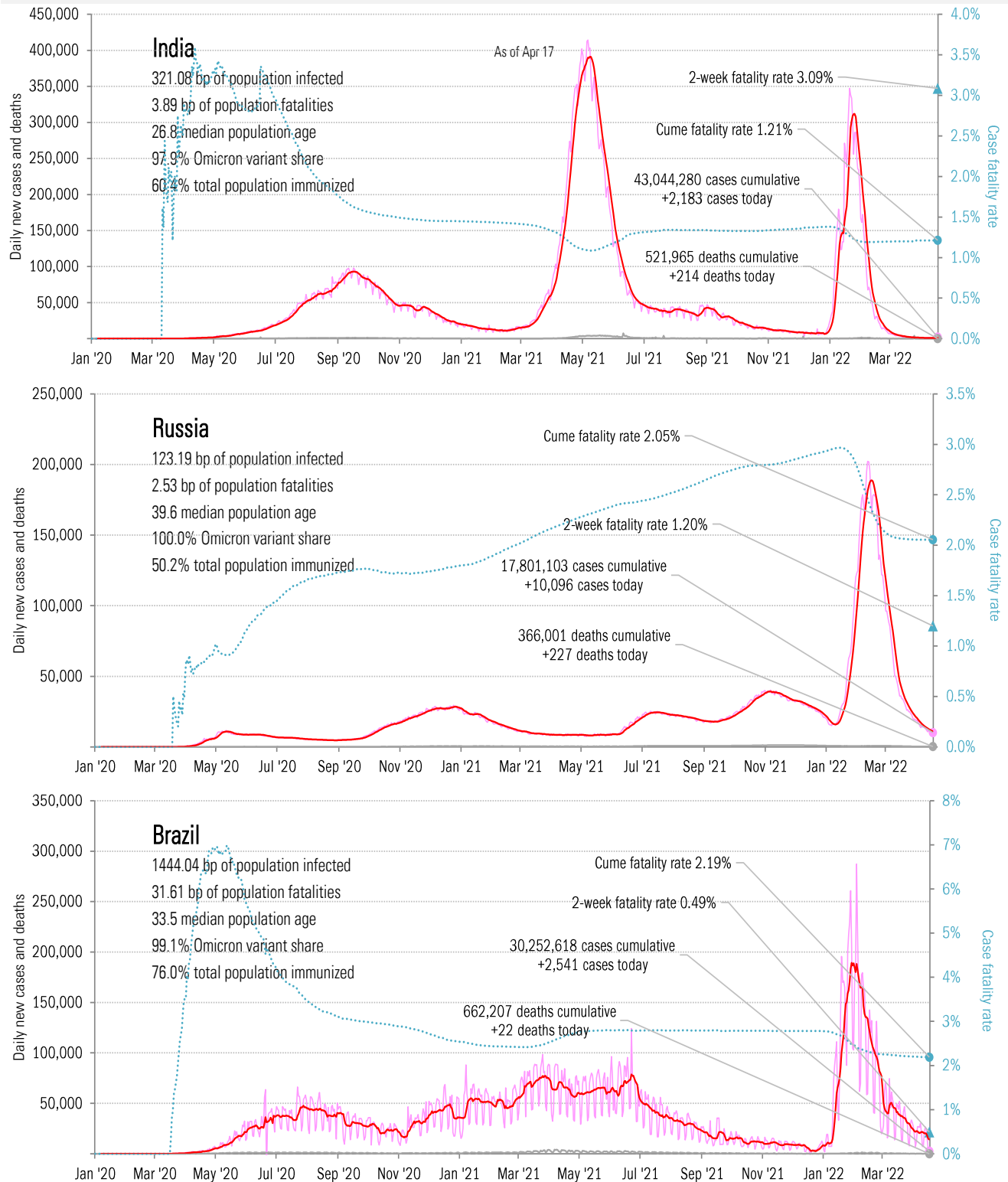
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

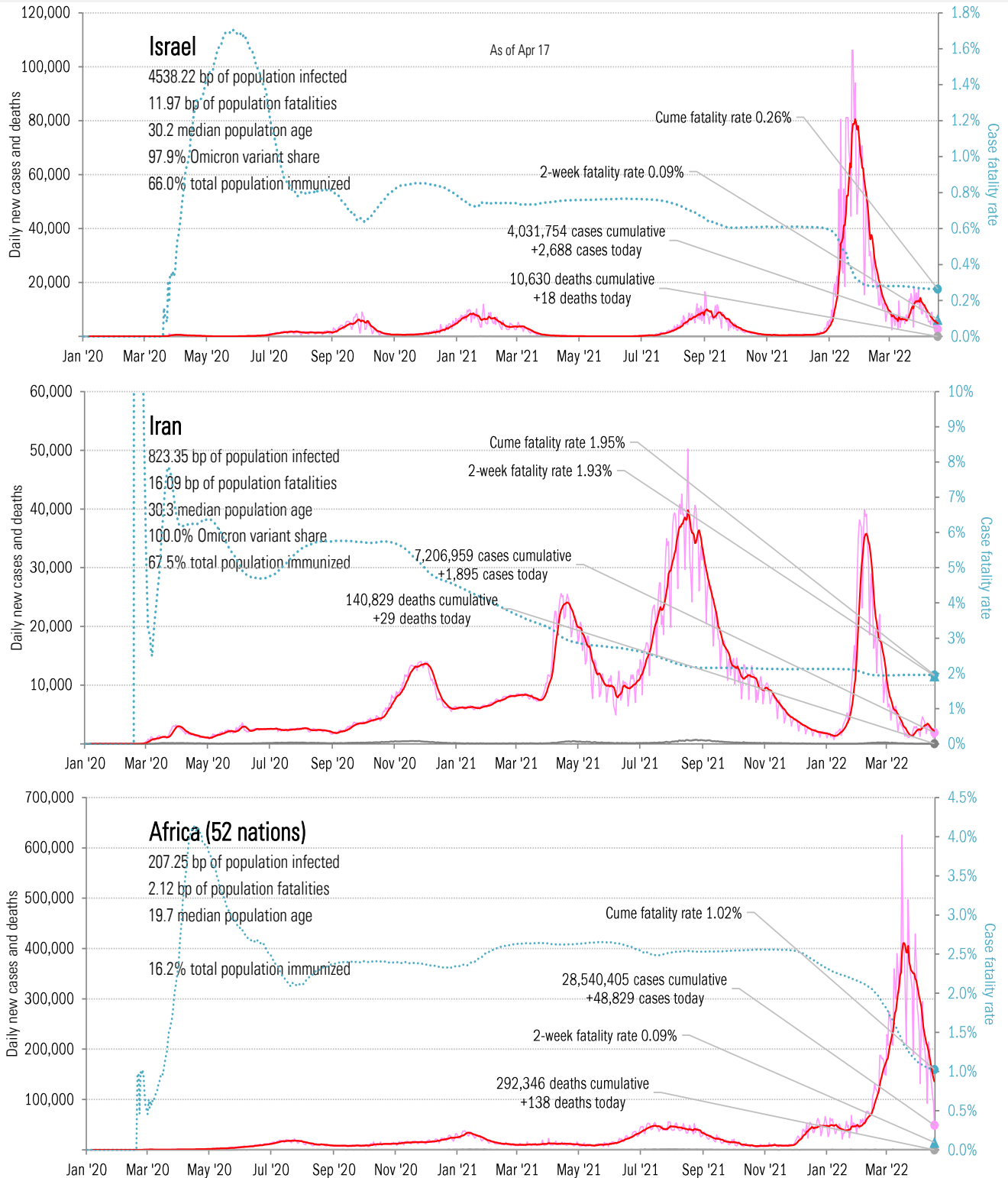
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

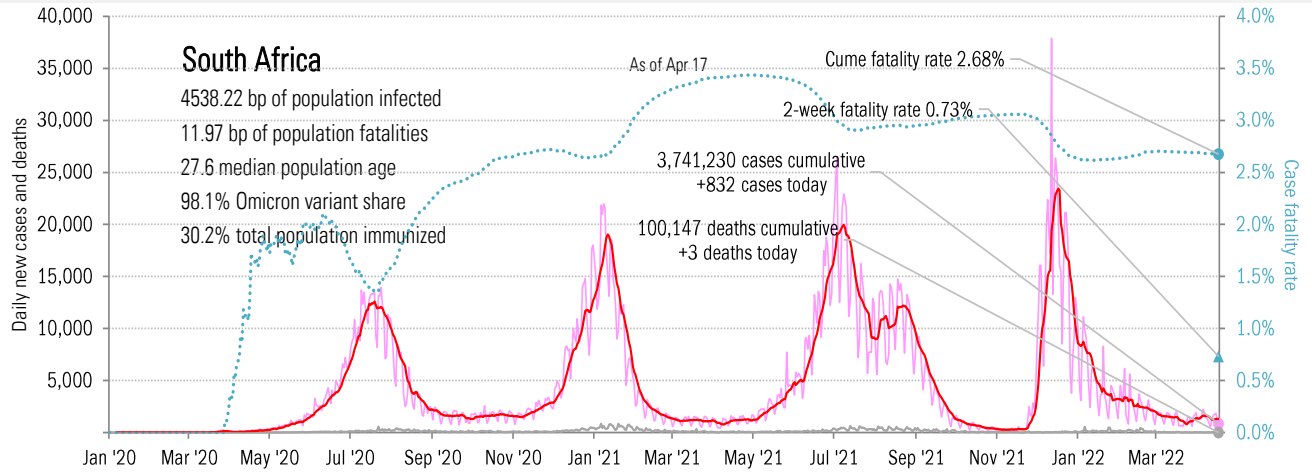
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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