

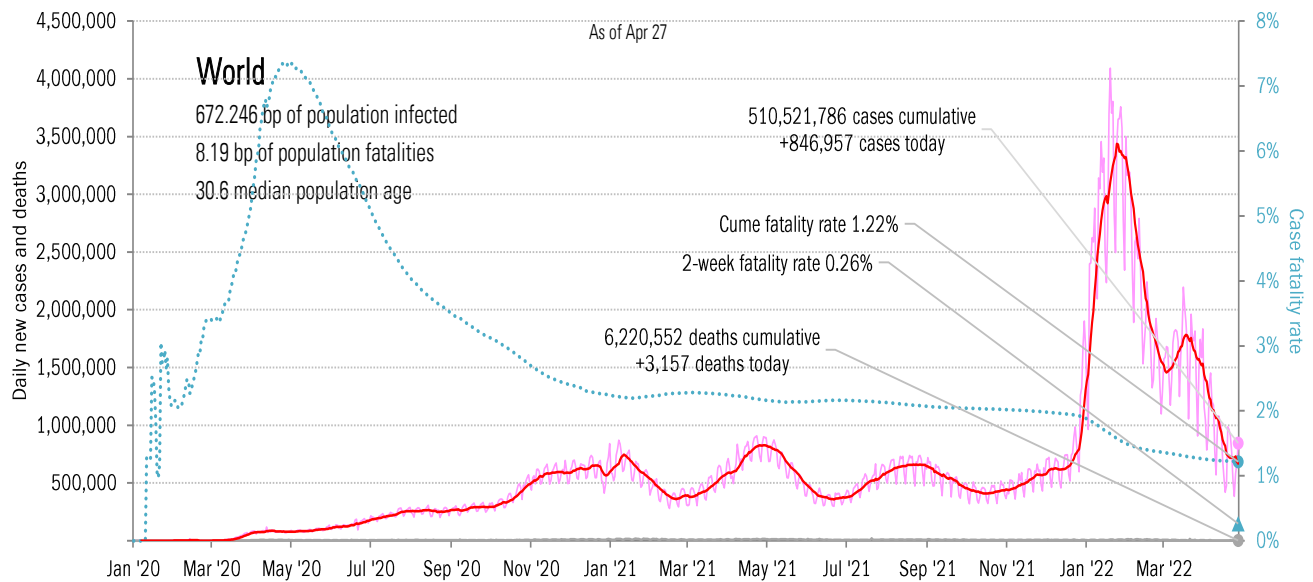
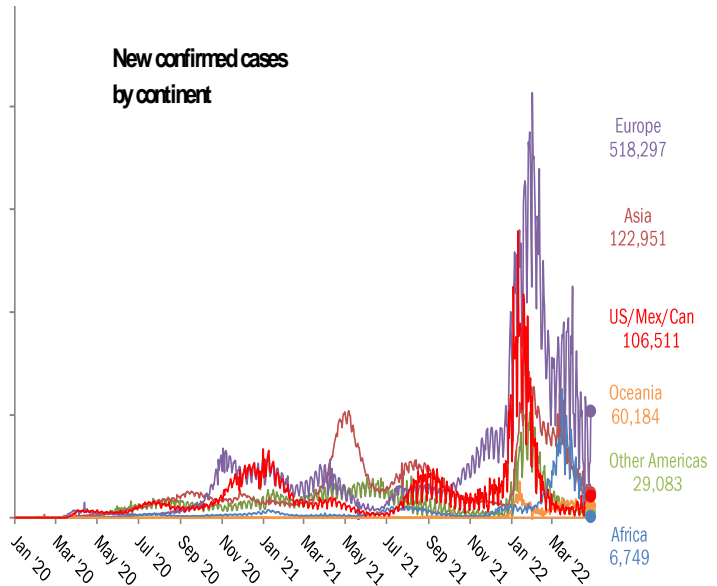
Data Insights: Covid-2019 Monitor

Thursday, April 28, 2022

The global scorecard

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

The worst ten countries			
New cases		New Deaths	
Germany	271,765	Germany	589
United States	91,962	United States	407
Italy	88,431	United Kingdom	304
France	67,797	Brazil	242
Australia	50,876	Italy	186
Japan	46,202	Russia	158
China	27,281	France	152
Portugal	23,359	Thailand	127
Brazil	20,943	Canada	110
United Kingdom	18,268	Chile	81
706,884		2,356	
World	846,957	World	3,157
Top ten	83%	Top ten	75%



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

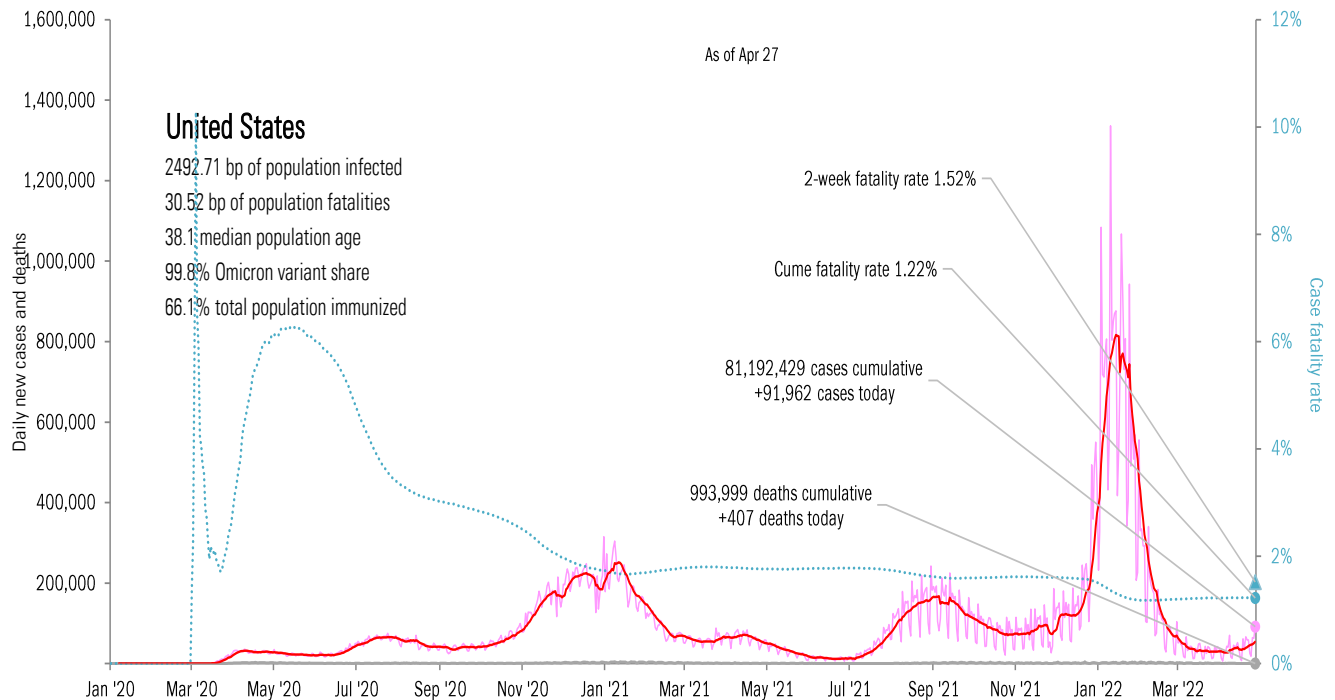
The ten worst US states

New cases			New deaths		New in hospital		Curre cases			Curre deaths			Curre in hospital		Hospital use		ICU use	
MI	14,482		US state fatality data distorted today due to revisions.	MI	100	CA	9,215,397	CA	90,168	TX	489,738	RI	87%	NM	82%			
NC	11,605	NY		251	TX	6,816,971	TX	88,057	CA	425,951	MA	82%	VT	82%				
NY	7,381	FL		160	FL	5,944,088	FL	74,022	FL	416,236	WA	82%	KY	80%				
GA	5,979	IL		99	NY	5,143,038	NY	68,284	NY	249,835	MN	81%	NH	79%				
FL	5,196	NC		53	IL	3,128,134	PA	44,629	GA	207,465	DE	81%	TX	79%				
WA	3,878	MN		41	PA	2,812,954	CH	38,360	CH	191,289	MO	80%	DC	78%				
IL	3,434	LA		30	CH	2,688,327	GA	37,806	PA	176,900	MD	79%	RI	78%				
H	3,370	AL		24	NC	2,659,255	IL	36,025	IL	158,138	DC	79%	AK	76%				
MA	3,180	DE		9	GA	2,515,139	MI	36,002	MI	142,200	NH	79%	WA	76%				
NJ	3,085	DC		9	MI	2,425,946	NJ	33,416	KY	133,109	PA	78%	NC	76%				
61,590			487	776	43,349,249			546,769	2,590,861	All states 70%		67%						
All states 91,962			407	1,765	All states 81,192,429			993,999	4,704,462	All states 70%		67%						
Top ten 67%			120%	44%	Top ten 53%			55%	55%	Median 73%		71%						

Some states not reporting

Five most improved US states

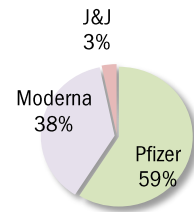
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-14,632	FL	-119	CA	-56	AL	+10 bp
AZ	-3,364	CA	-71	TX	-44	DE	+10 bp
WA	-2,106	WV	-15	OR	-30	GA	+10 bp
MD	-1,375	CO	-12	FR	-30	IL	+10 bp
TN	-1,264	WI	-6	VA	-25	MA	+10 bp



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	589,470,302		+0.331 million	US	66.1%	77.5%
Boosters	101,613,461		+0.043 million	UK	72.9%	78.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	265,176,232	79%	225,776,365	68%	+0.031 million	Spain 86.4% 88.1%
Age 12 to 17	17,703,473	70%	15,097,755	60%	+0.002 million	Germany 75.5% 76.0%
Age 18 to 64	178,378,169	88%	151,314,532	74%	+0.016 million	Italy 79.4% 84.1%
Age 65 and over	58,823,259	100%	51,101,182	93%	+0.009 million	Australia 83.4% 86.4%



AK	69.7%
	62.2%

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

Best
Middle
Worst

Immunity = two doses

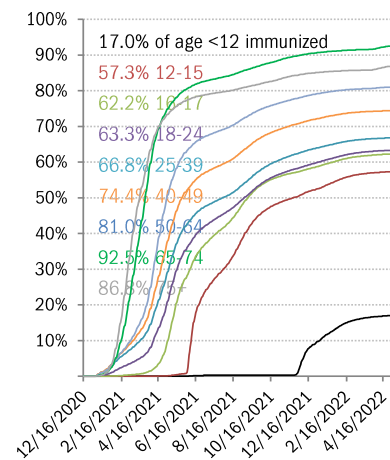
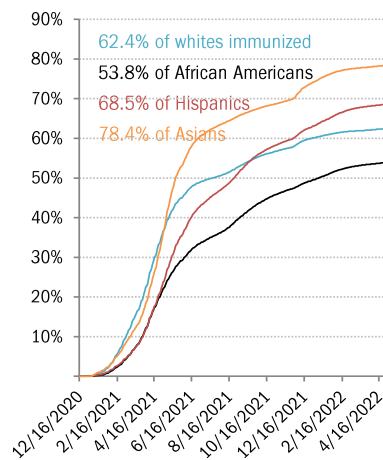
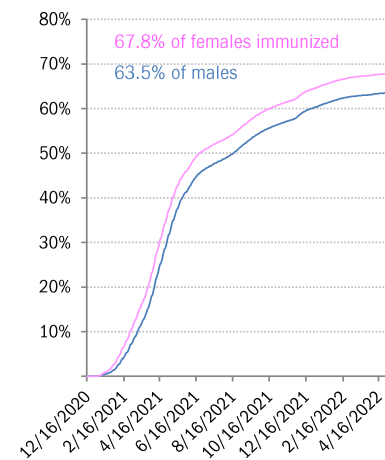
As of Apr 27

Israel	66.0%	72.2%
Canada	82.2%	88.6%
Japan	80.5%	81.8%
Africa	16.2%	21.3%
India	61.3%	71.9%
Brazil	76.5%	85.3%
China	86.3%	88.8%

Global data differs due to sources, timing

					WI					ME
					71.8%					90.3%
					65.5%					79.5%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.7%	61.1%	65.2%	64.8%	75.0%	76.7%	66.9%		90.1%	93.4%	87.9%
72.5%	54.0%	56.7%	54.9%	69.1%	68.7%	60.1%		76.8%	81.1%	70.1%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.8%	75.2%	58.8%	76.4%	67.9%	61.4%	63.5%	84.8%	90.3%	95.0%	
69.6%	60.7%	51.5%	61.3%	61.9%	54.8%	58.3%	68.3%	75.5%	78.9%	
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%	85.6%	86.4%	95.0%	95.0%
72.0%	64.2%	70.2%	63.5%	56.0%	57.3%	57.5%	73.1%	75.5%	79.1%	82.4%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	73.0%	87.5%	74.4%	66.6%	62.1%	84.0%	67.3%	95.0%	83.0%	
	61.5%	71.0%	61.3%	54.3%	54.5%	61.0%	56.6%	74.0%	69.0%	
			OK	LA	MS	AL	GA			
			71.0%	61.0%	59.5%	62.7%	65.3%			
			57.2%	53.4%	51.8%	51.1%	54.7%			
			TX					FL		PR
			73.0%					79.2%		94.9%
			61.4%					66.9%		82.9%

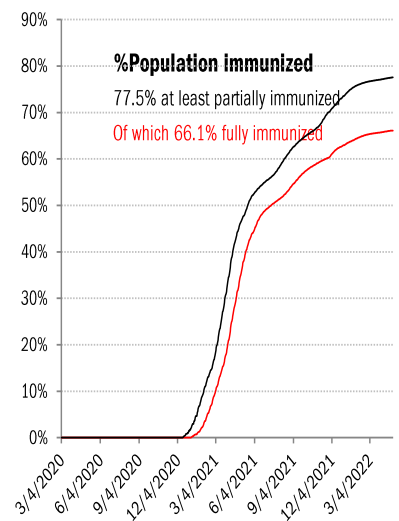
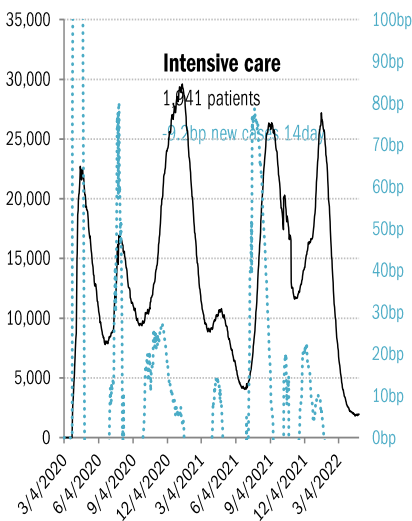
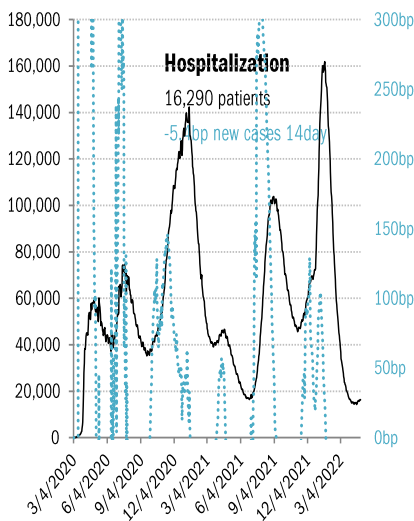
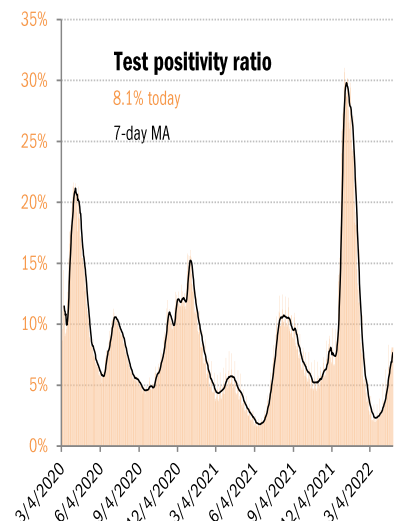
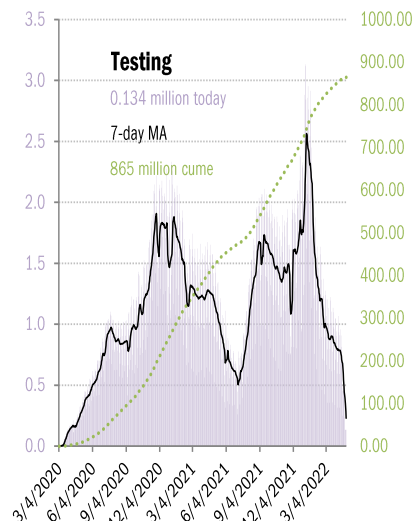
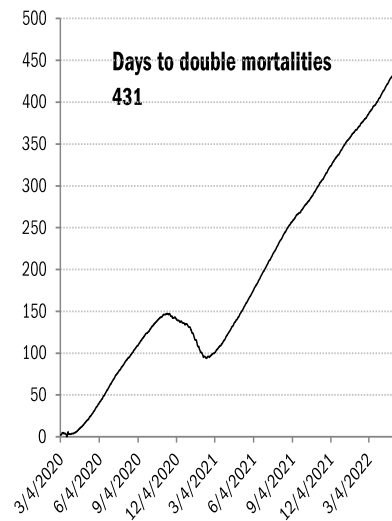
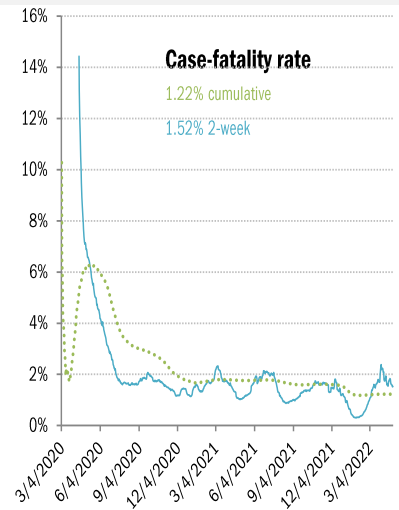
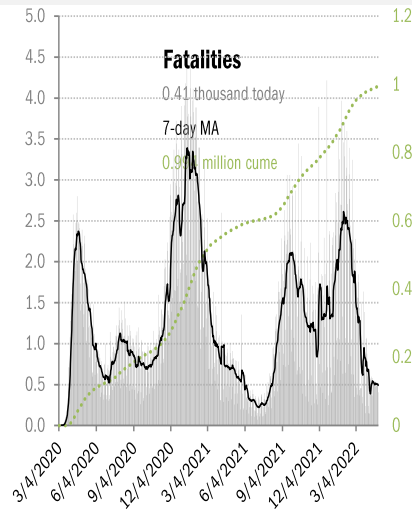
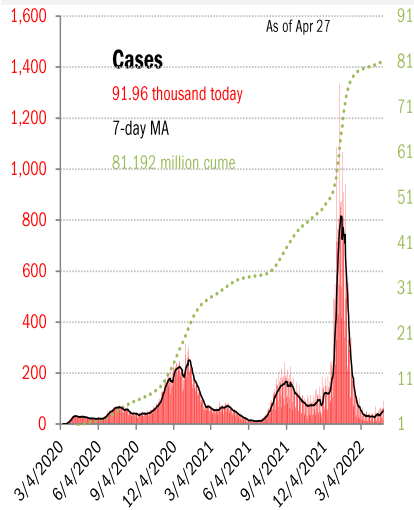
The demographics of US vaccination



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

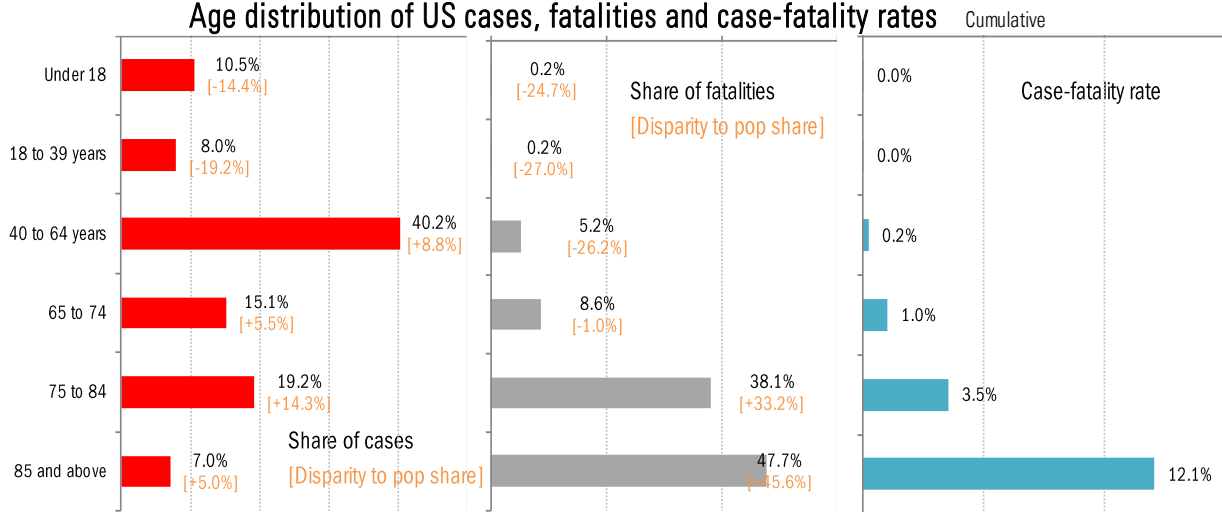
US deep-dive

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

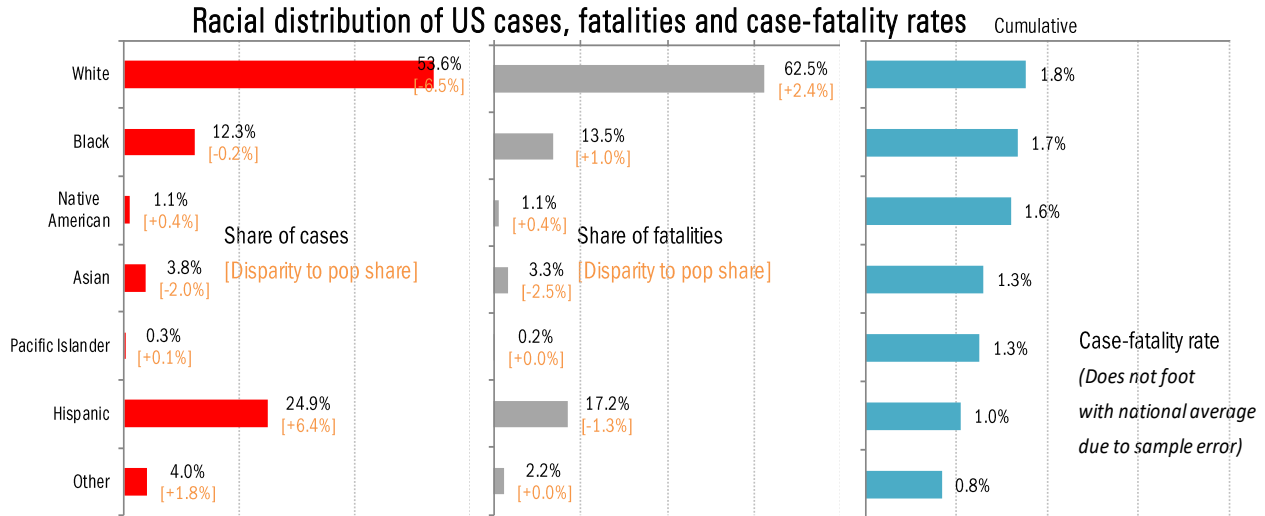


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

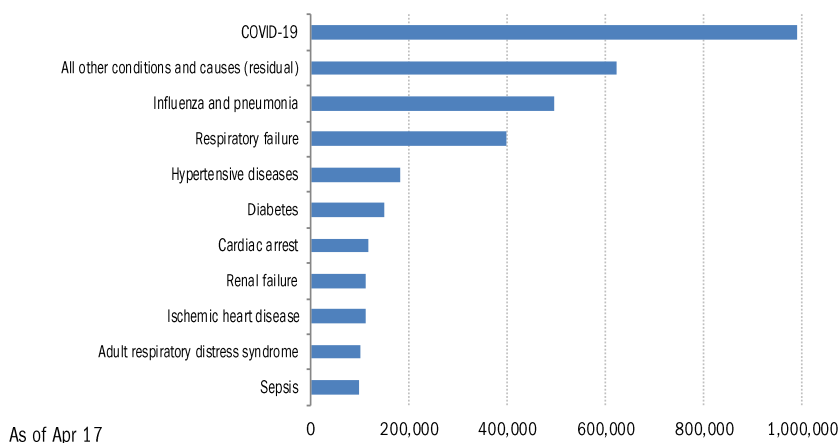


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[What Sweden Got Right About COVID](#)

Shannon Brownlee and Jeanne Lenzer
Washington Monthly
April 19, 2022

[FDA Rubber-Stamps Remdesivir for Infants Without Evidence of Safety, Efficacy](#)

Madhava Setty
The Defender
April 27, 2022

[The European Union says the emergency phase of the pandemic is over.](#)

Monika Pronczuk
New York Times
April 27, 2022

[Have People Been Given the Wrong Vaccine?](#)

Martin Kulldorff
Brownstone Institute
April 22, 2022

[Randomised Clinical Trials of COVID-19 Vaccines: Do Adenovirus-Vector Vaccines Have Beneficial Non-Specific Effects?](#)

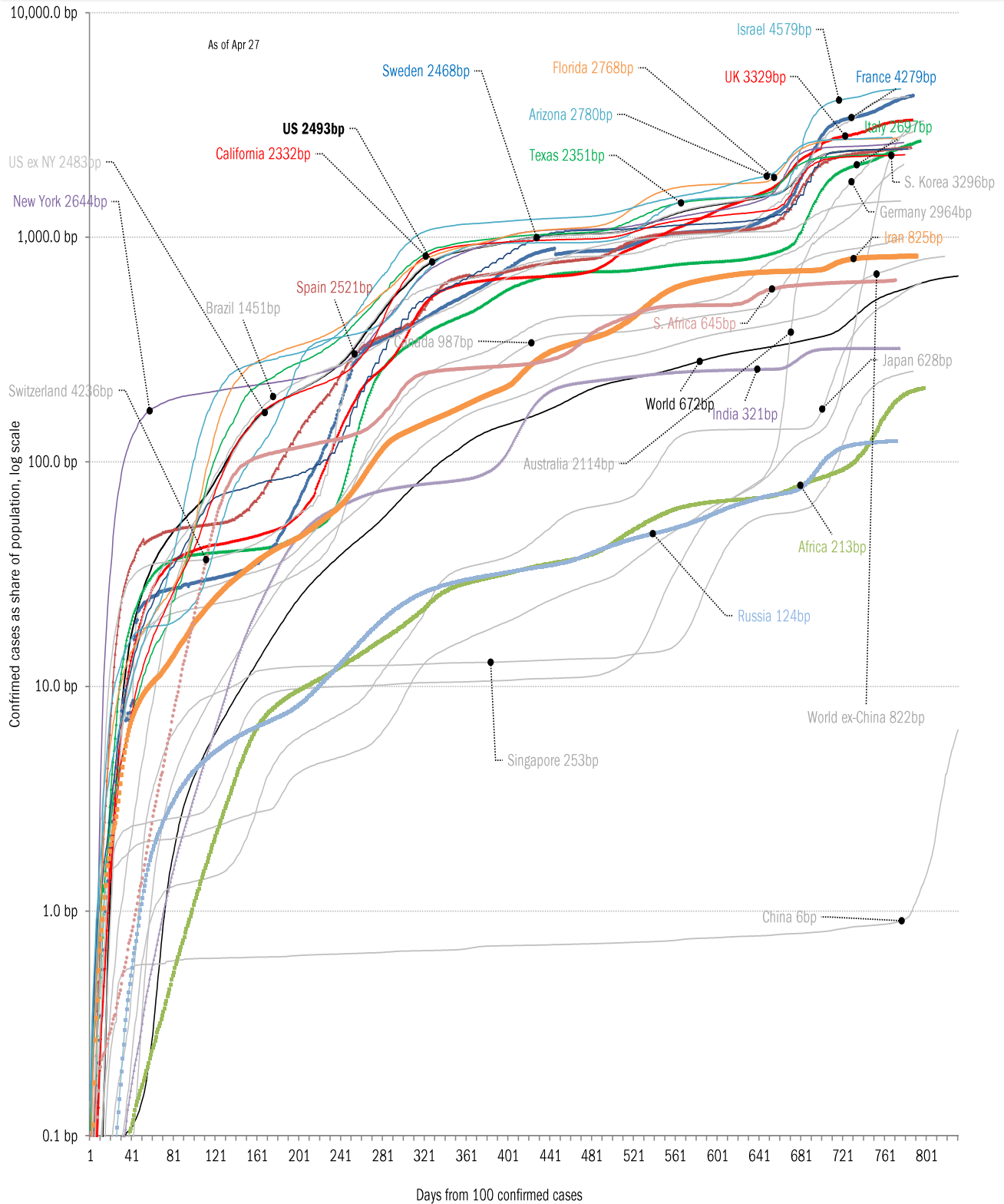
Christine Stabell Benn et al.
The Lancet
April 5, 2022

Meme of the day



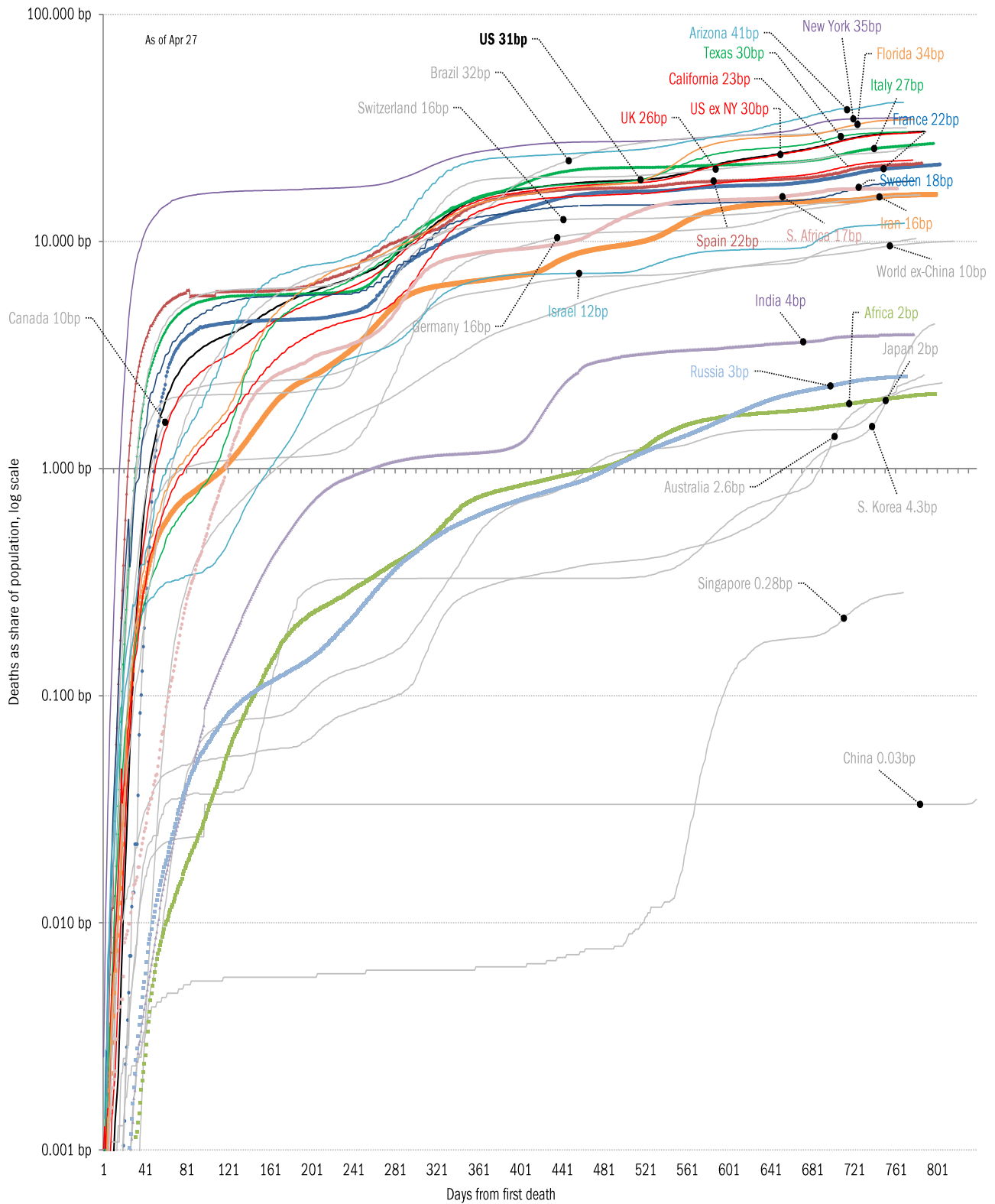
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

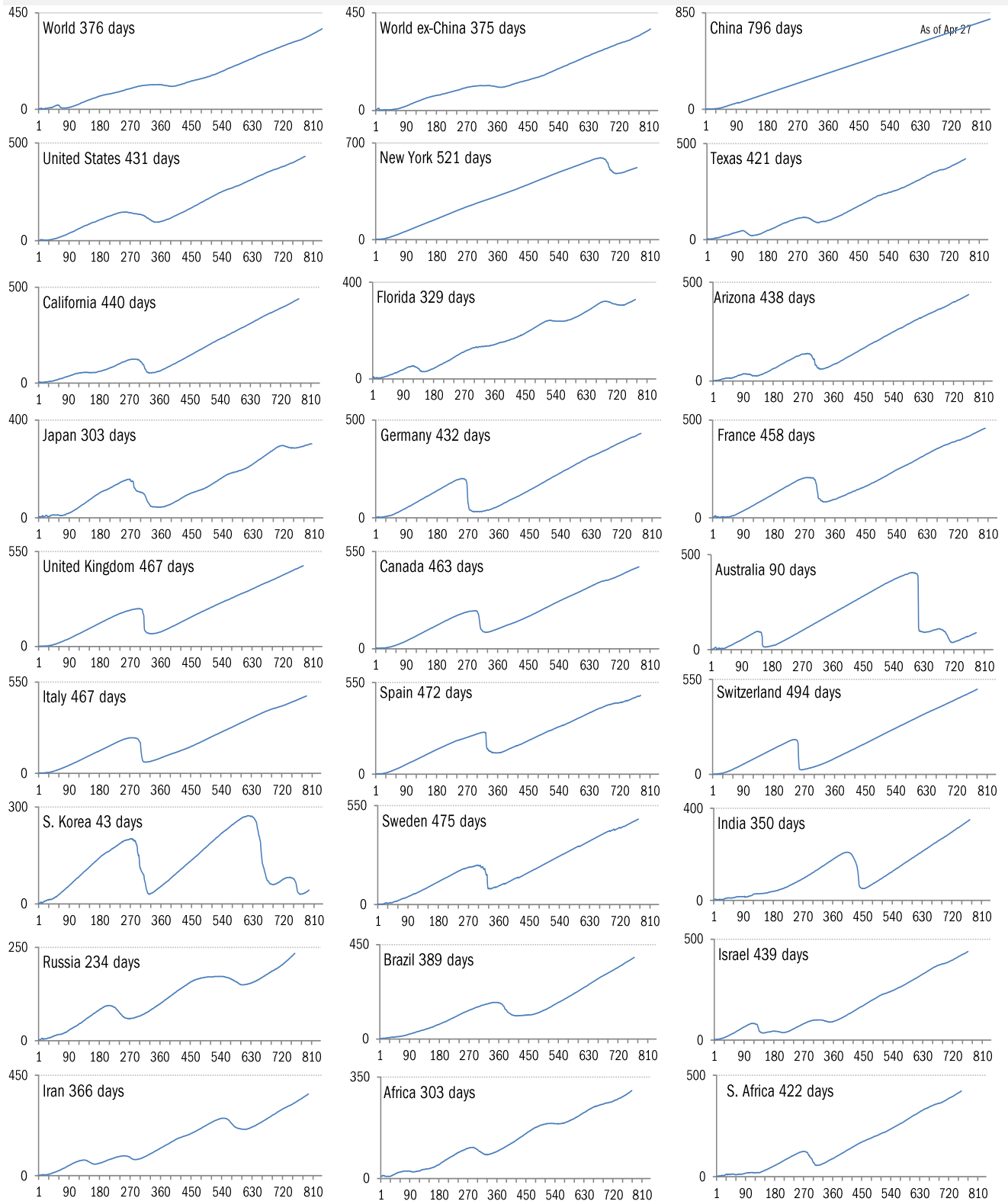


Source: [Johns Hopkins](#), TrendMacro calculations

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

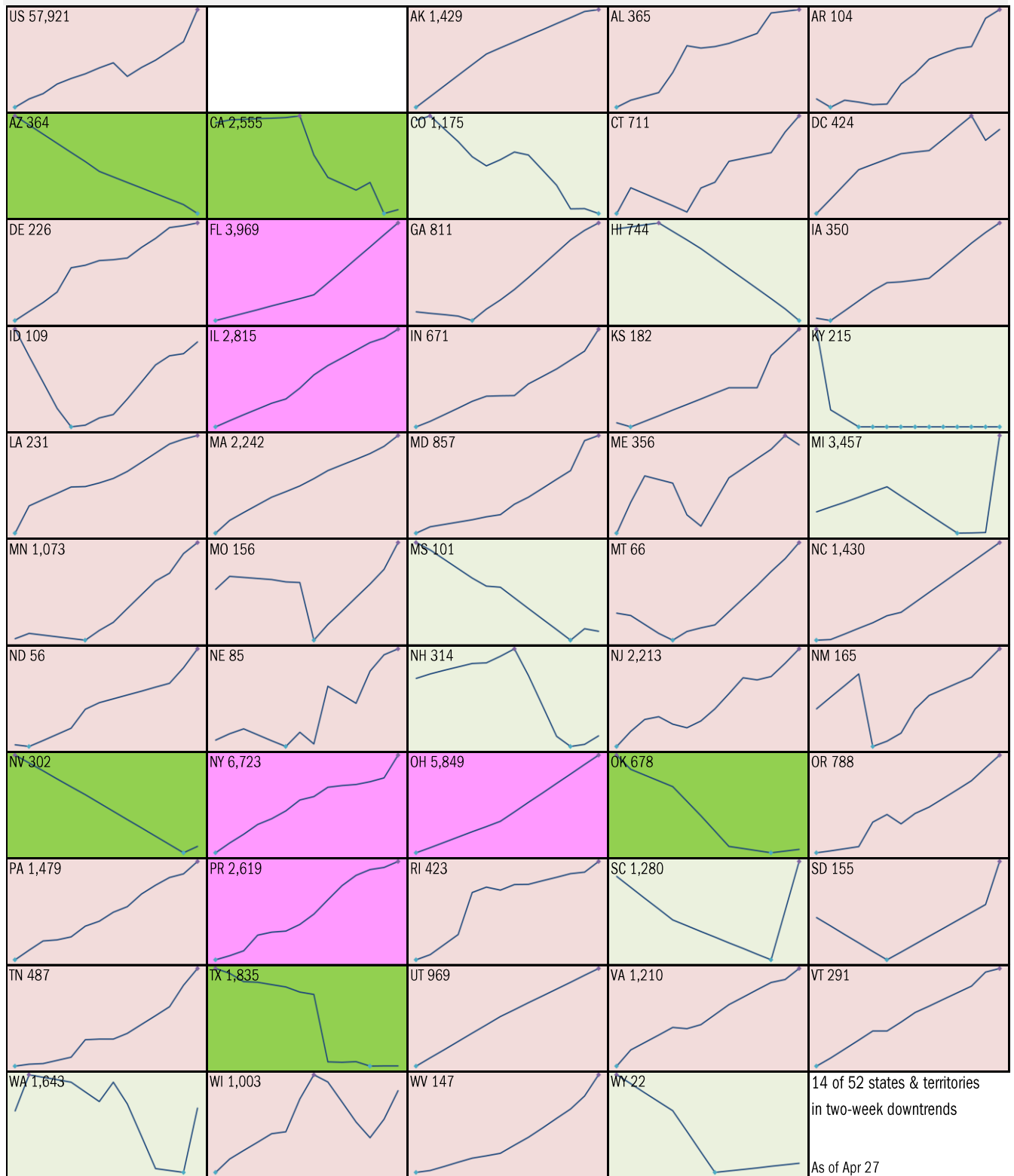


Source: [Johns Hopkins](#), TrendMacro calculations

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

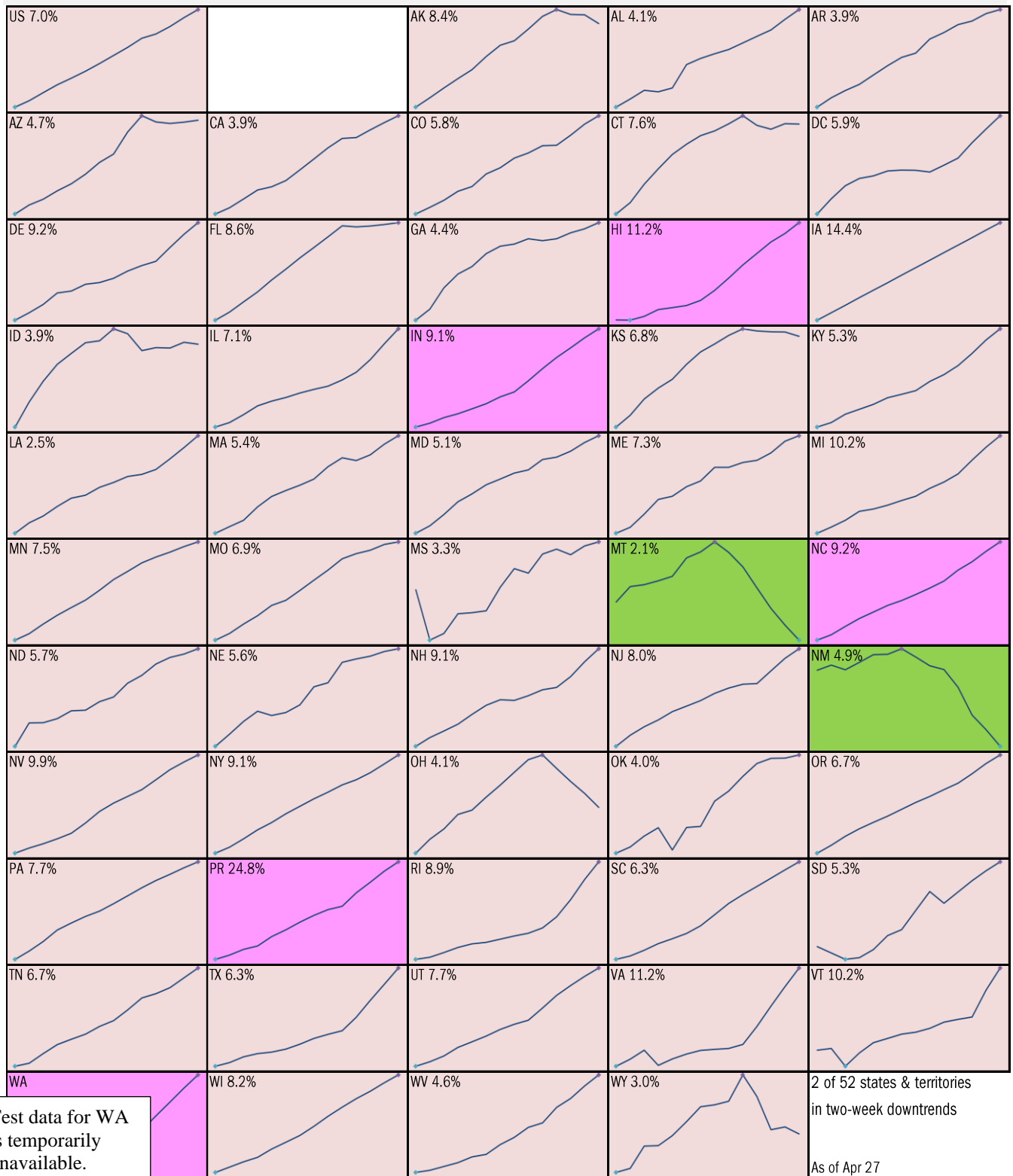


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

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

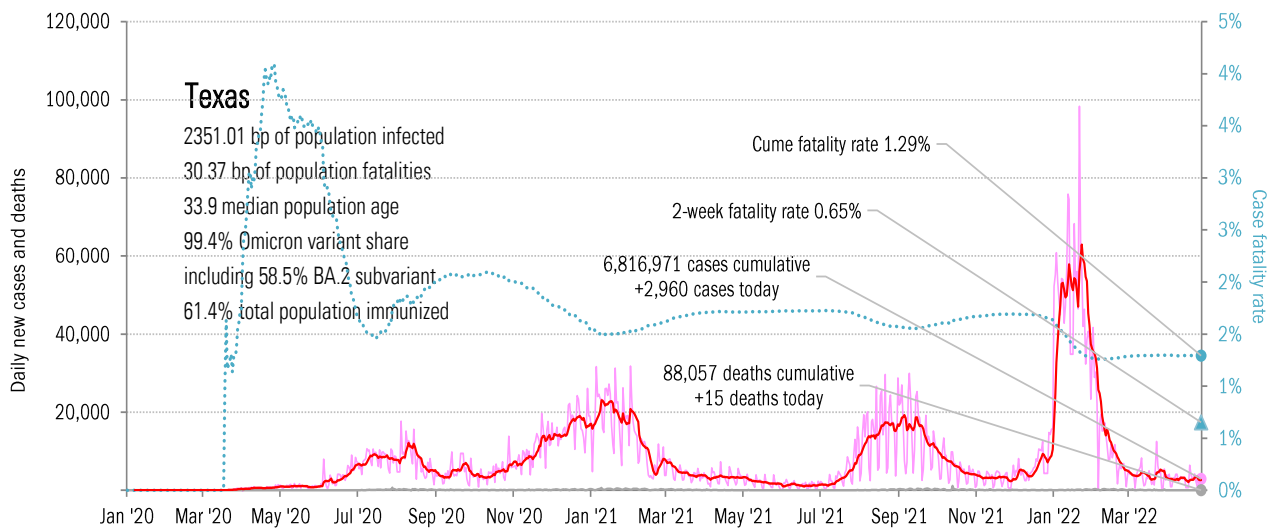
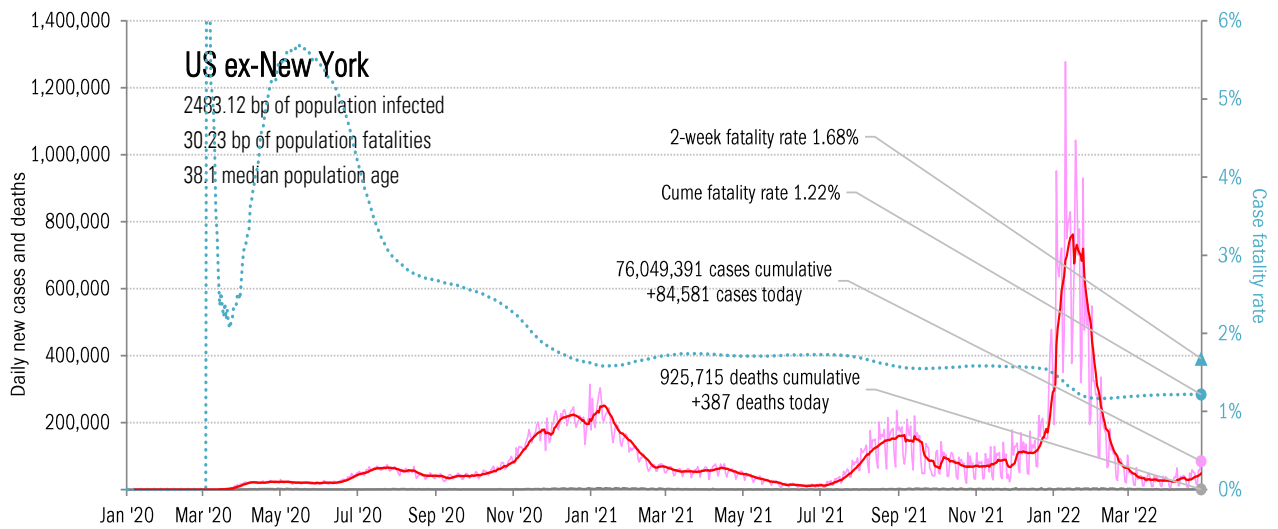
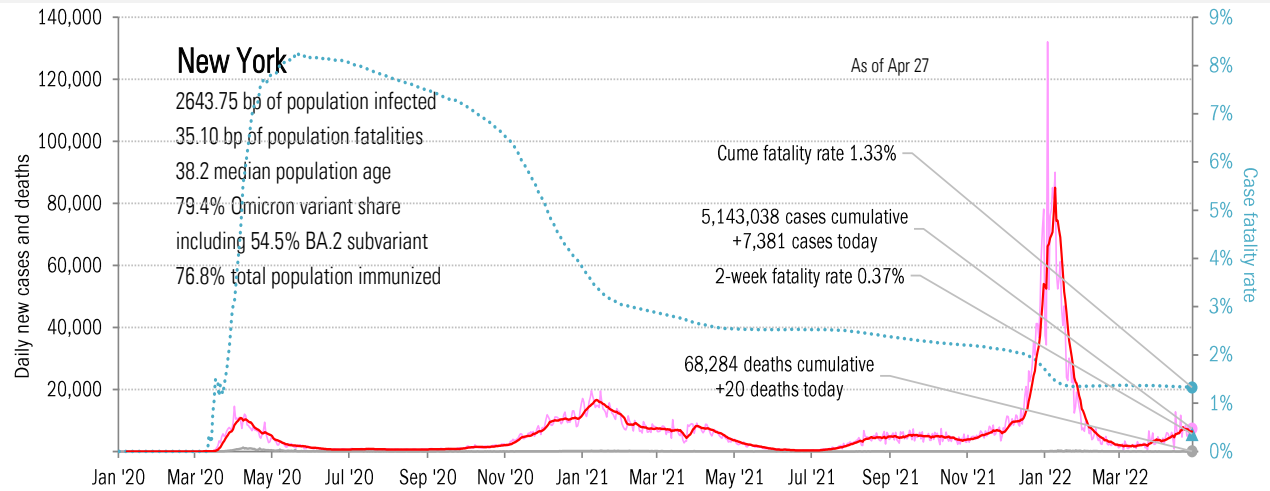
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

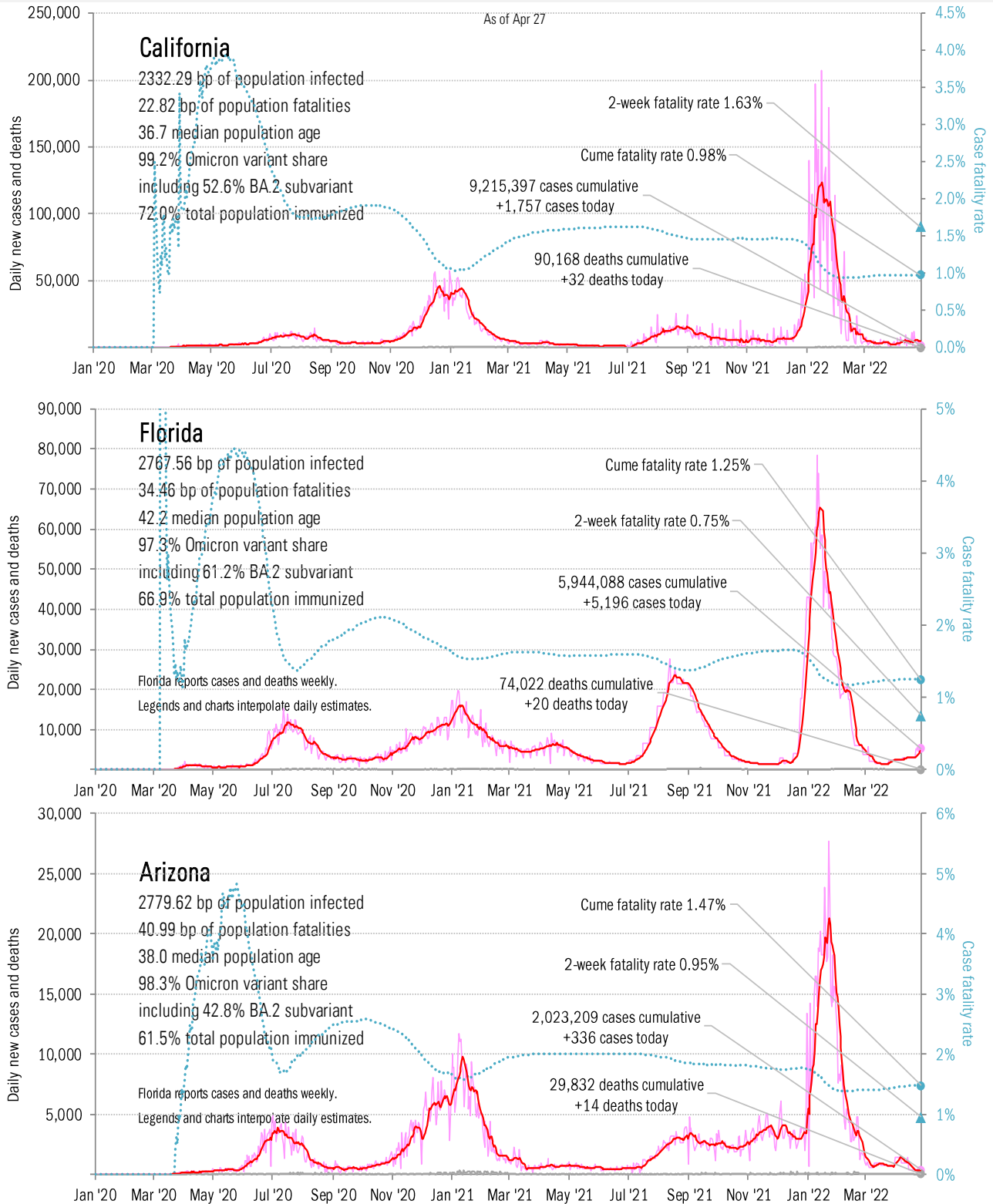
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

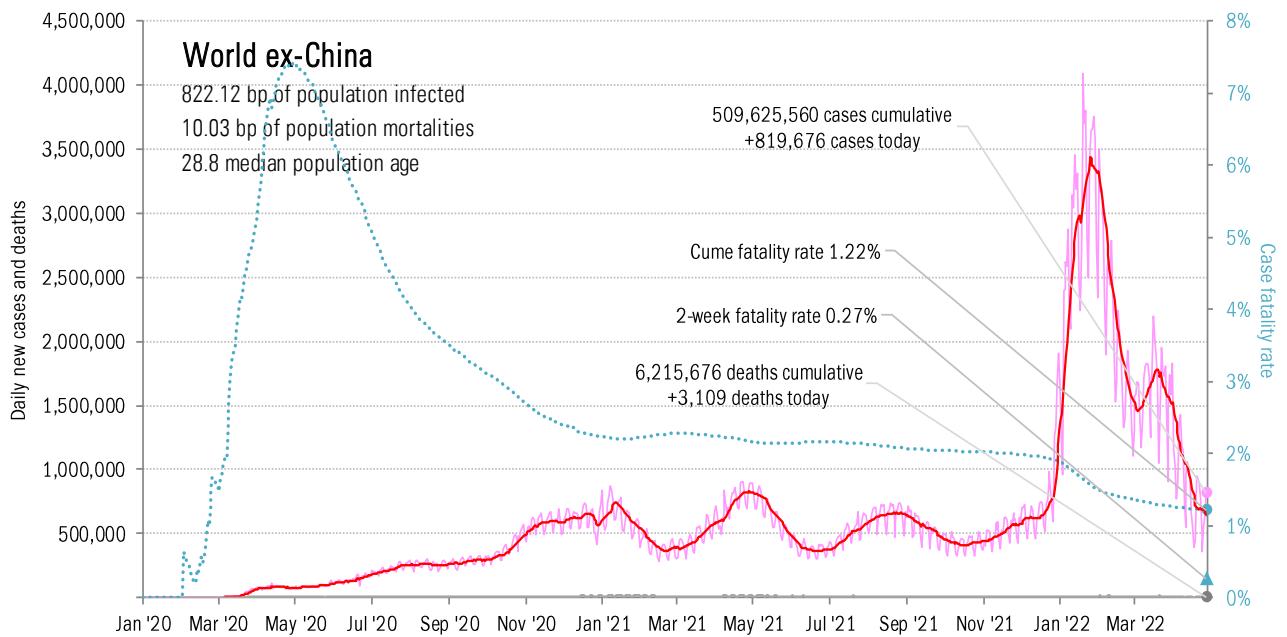
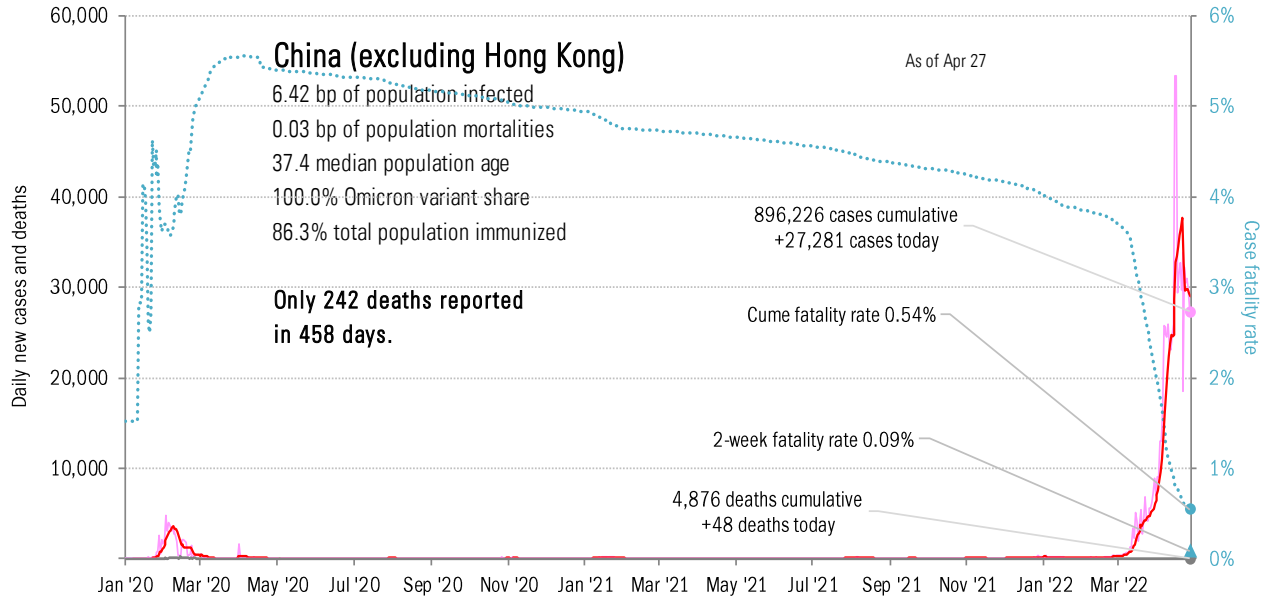
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

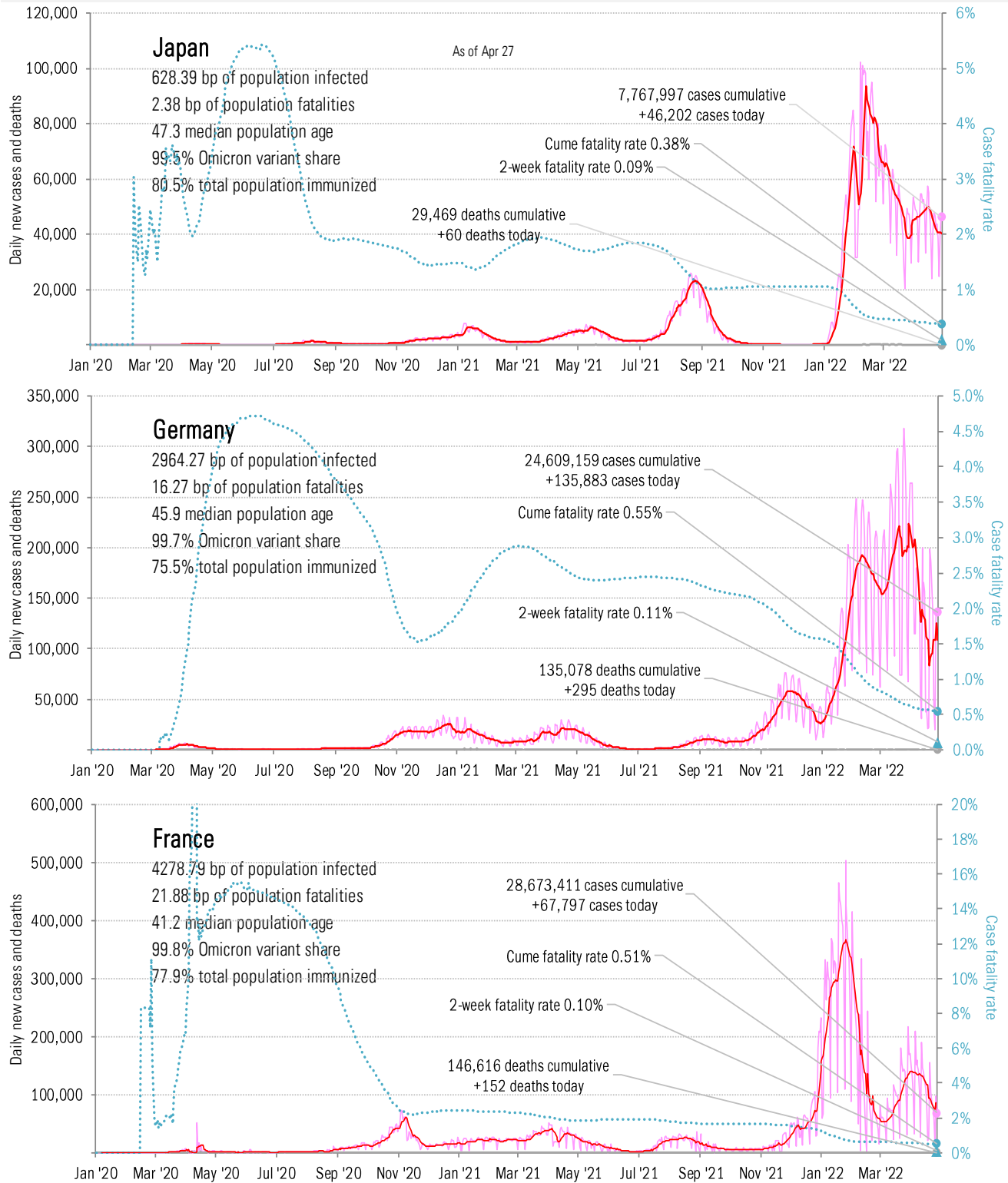
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

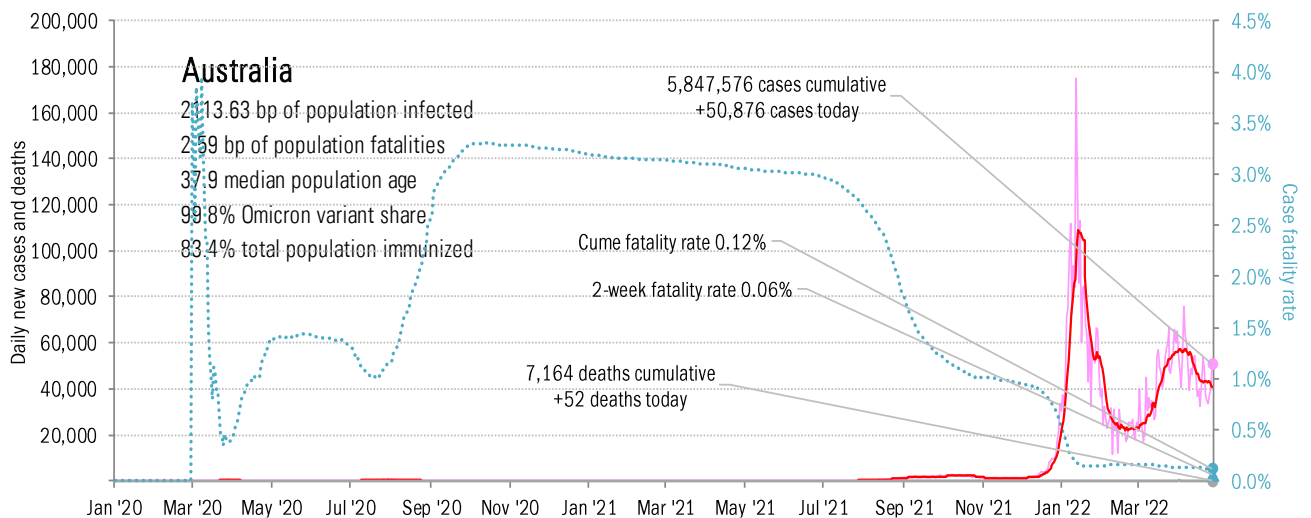
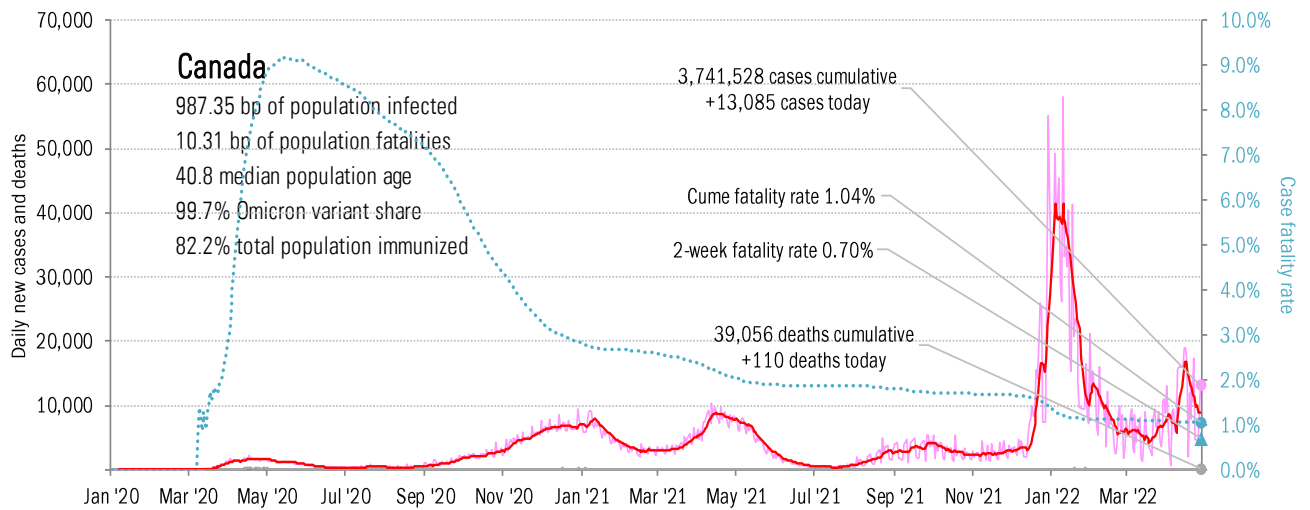
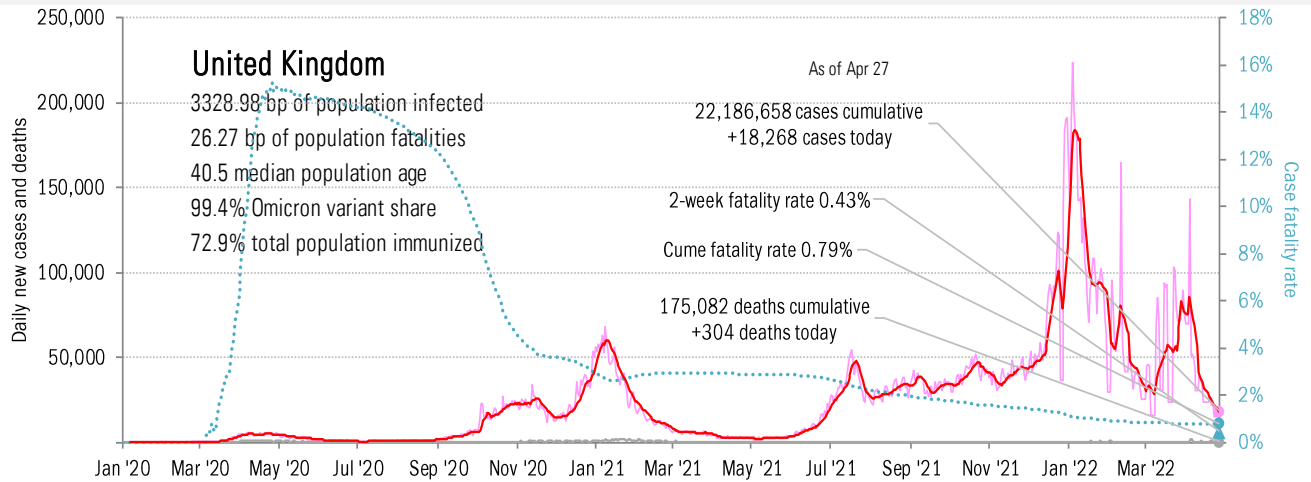
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

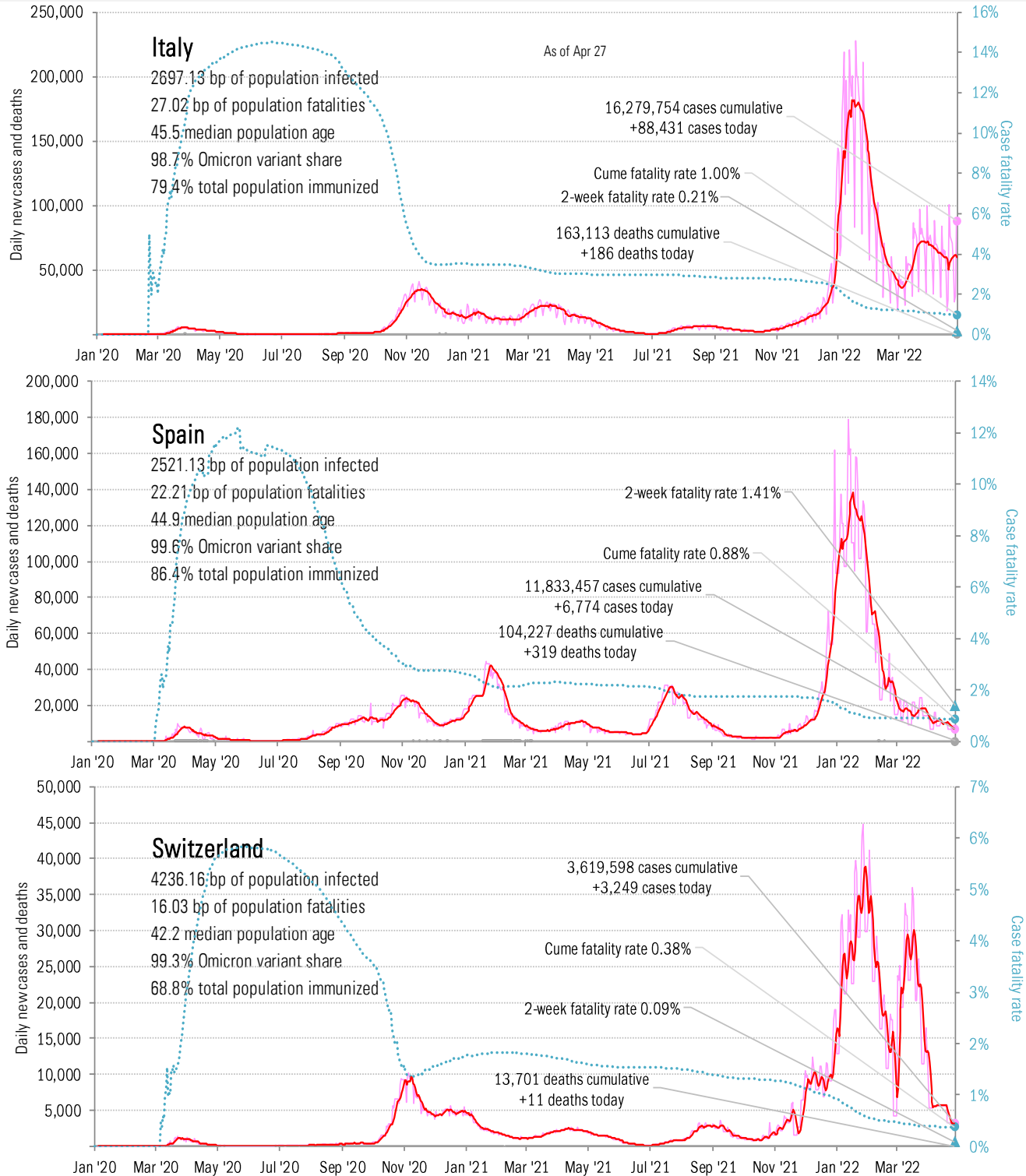
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

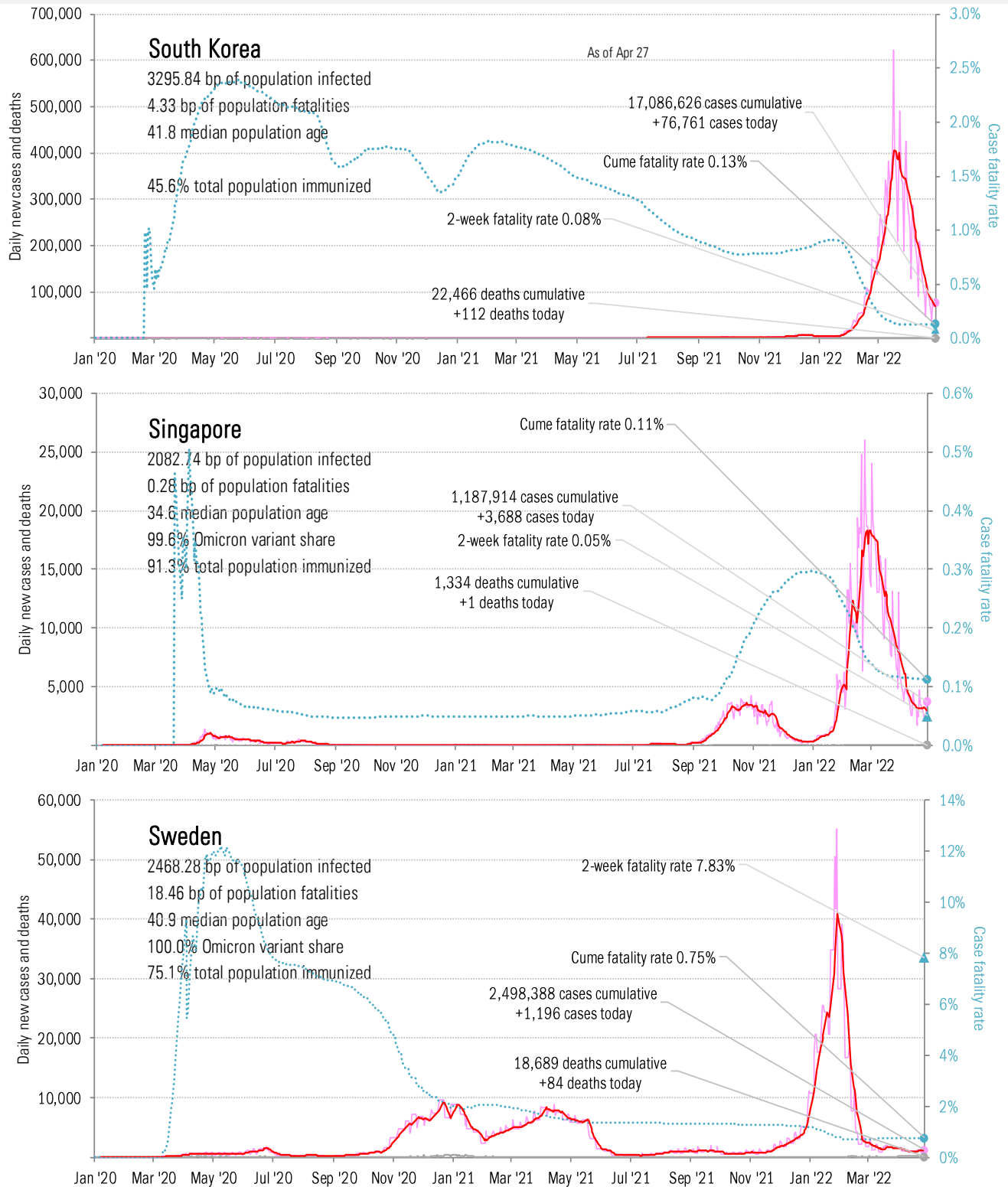
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

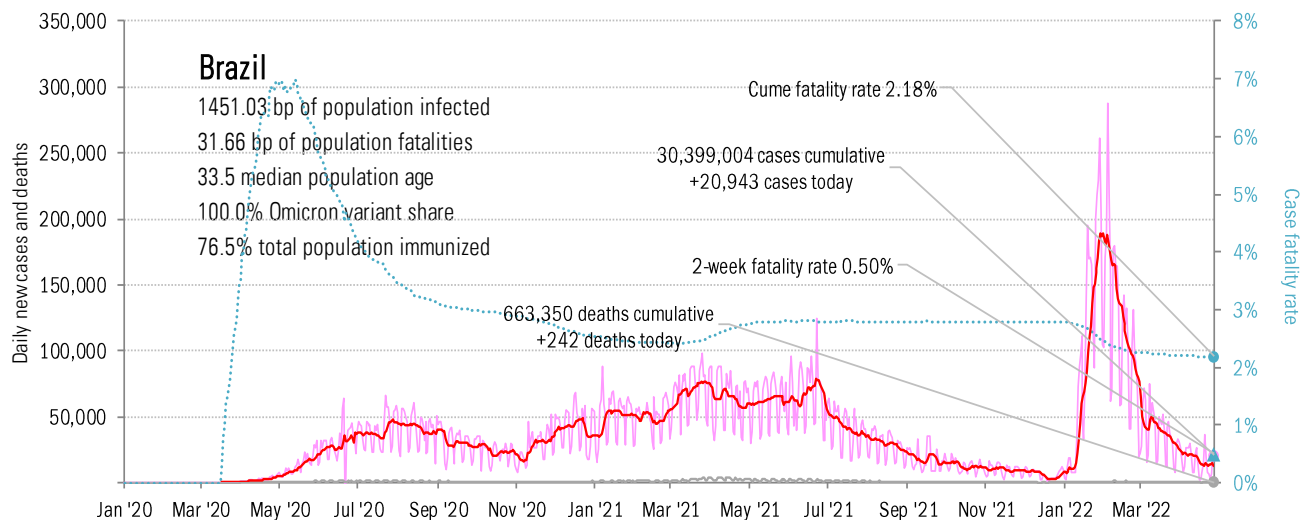
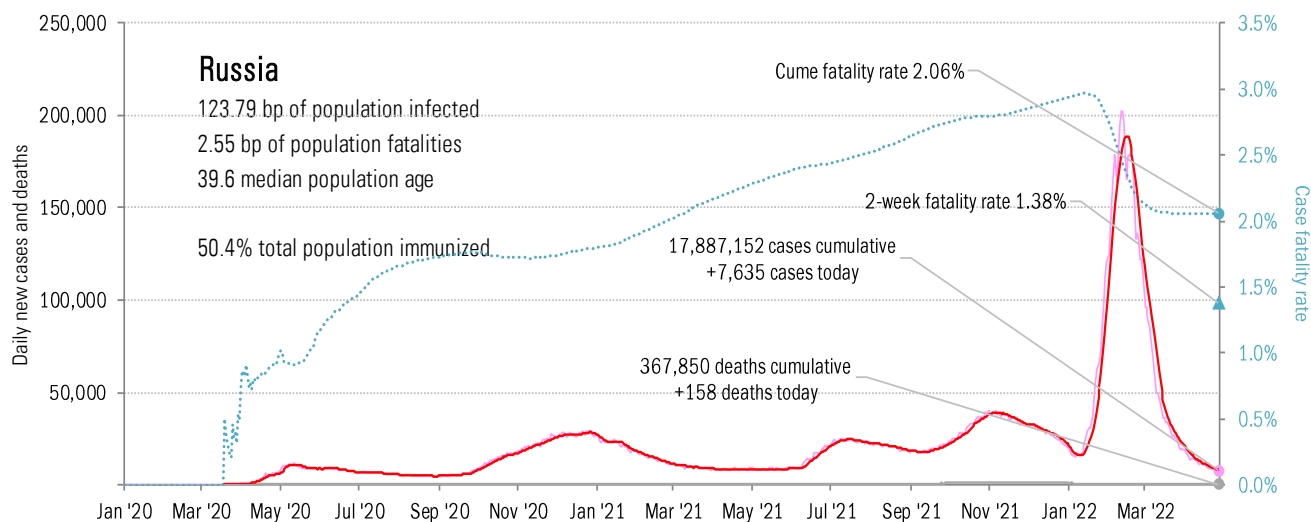
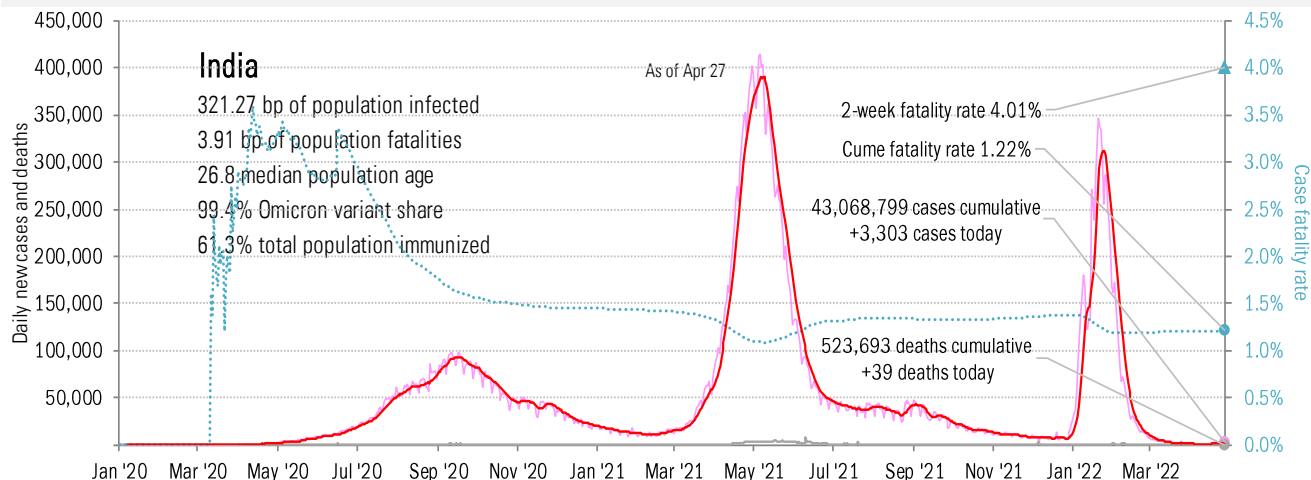
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

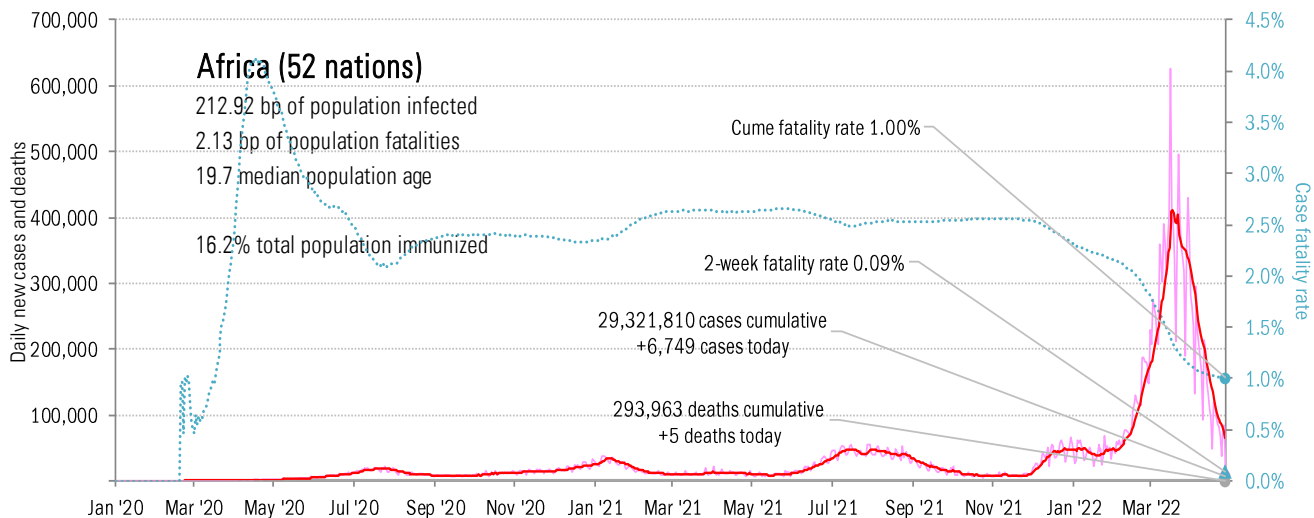
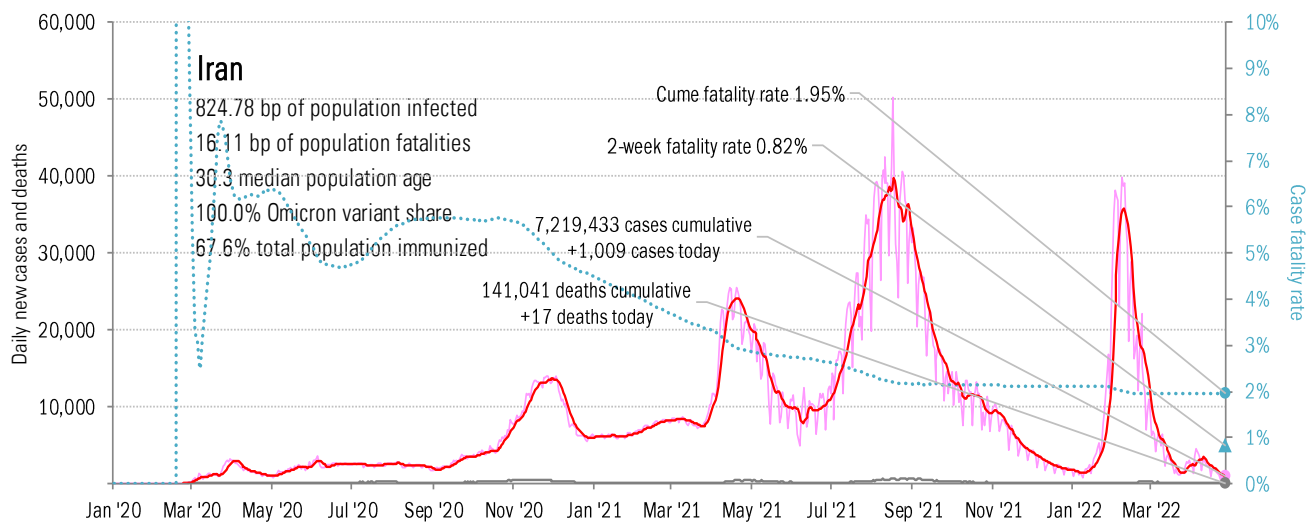
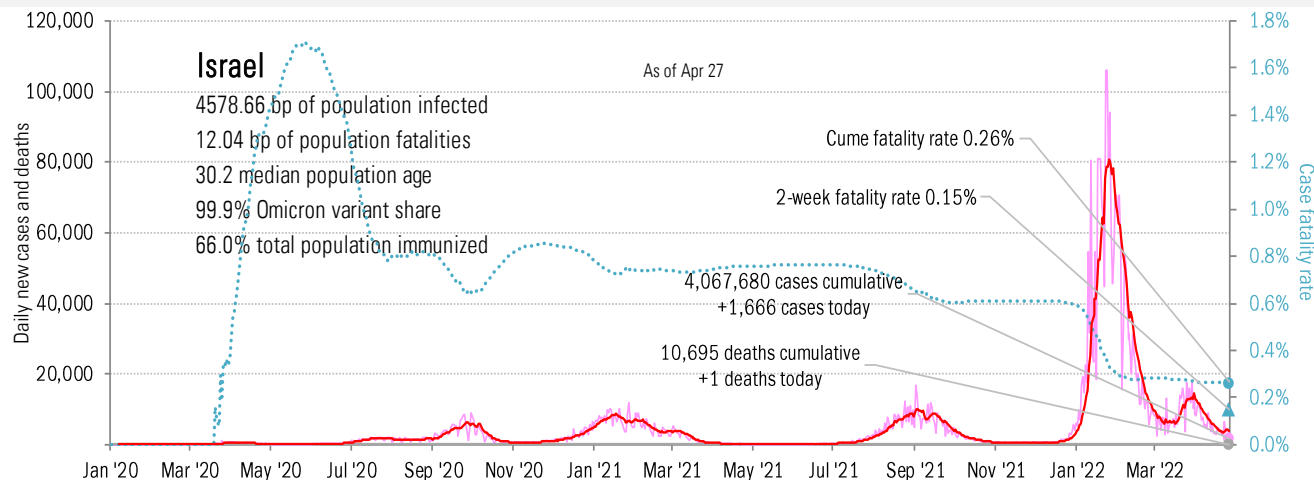
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

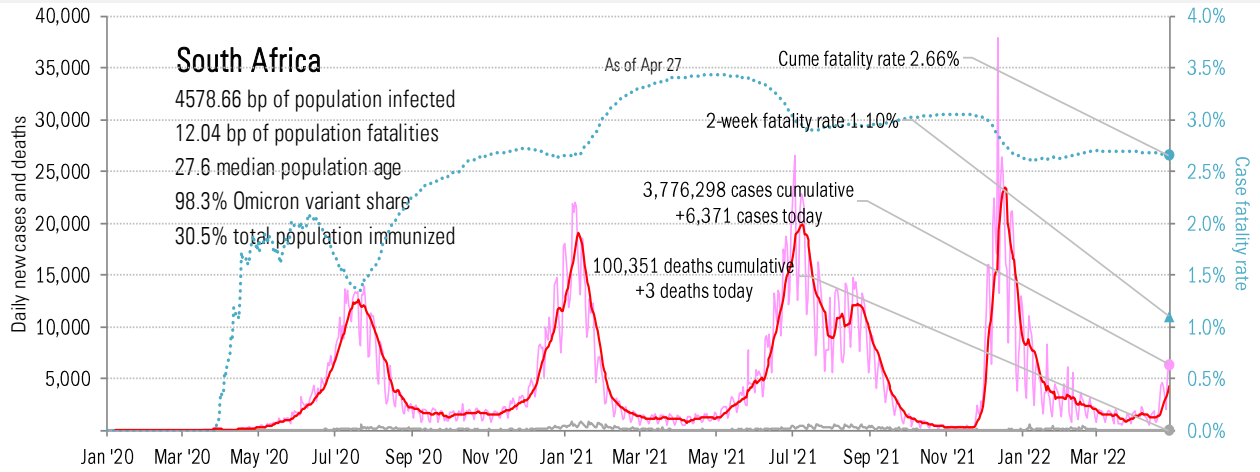
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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