

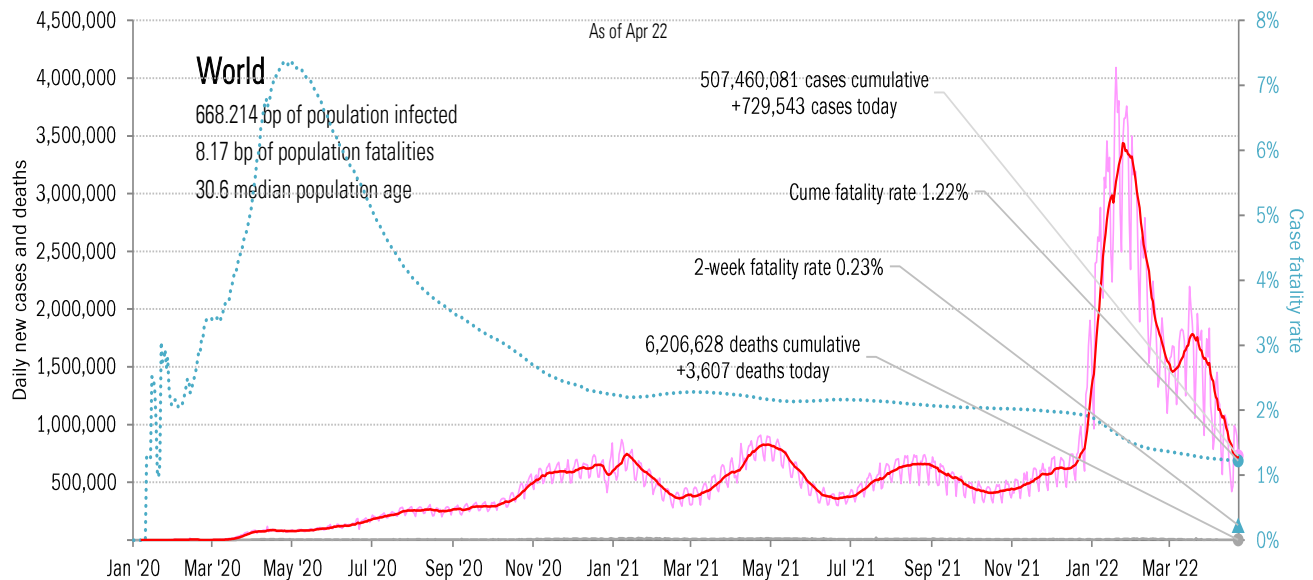
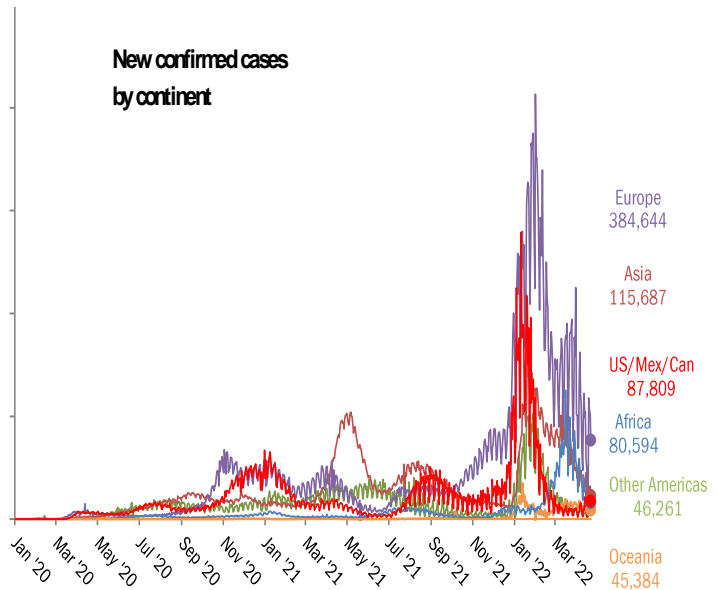
Data Insights: Covid-2019 Monitor

Saturday, April 23, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Germany	135,079	Austria	959
France	88,520	United States	483
Korea, South	75,414	United Kingdom	325
Italy	73,744	Germany	234
United States	70,519	Italy	202
Japan	42,898	Russia	191
Australia	37,209	Korea, South	151
United Kingdom	23,932	France	146
Thailand	20,052	Thailand	129
China	18,453	Canada	105
585,820		2,925	
World	729,543	World	3,607
Top ten	80%	Top ten	81%



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

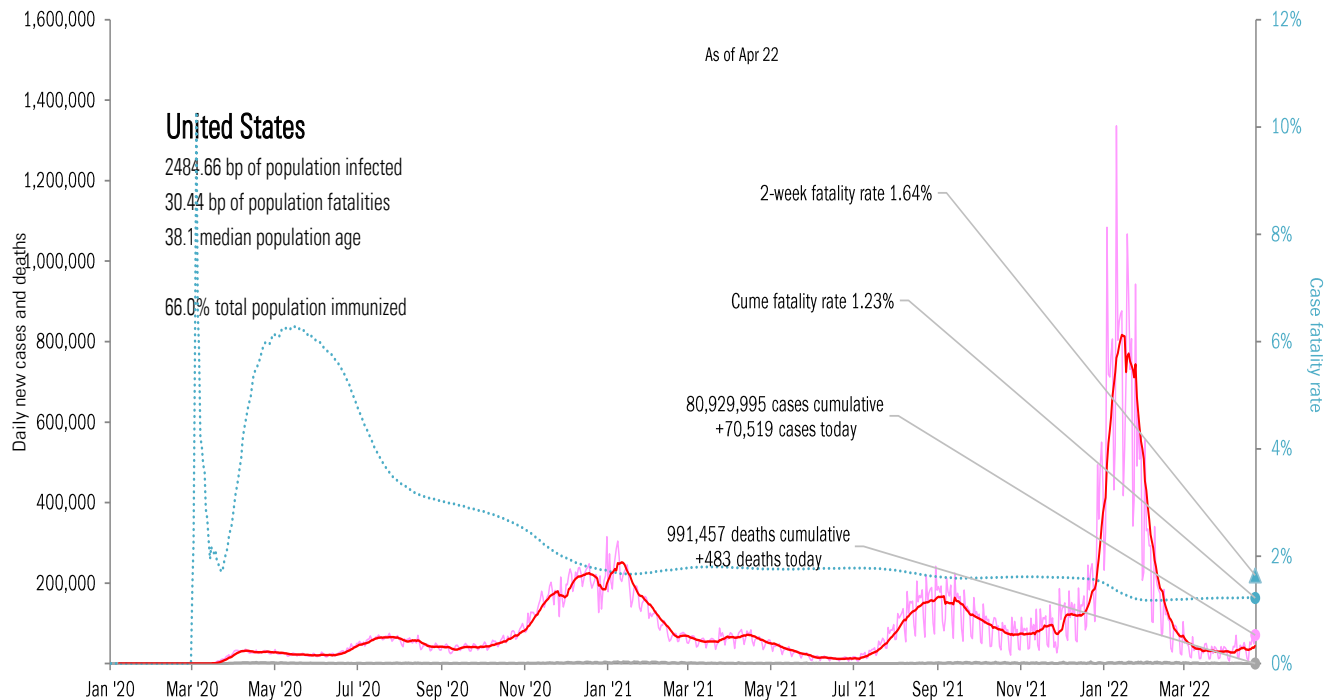
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	17,786		CA	162		GA	122		CA	9,192,666		CA	90,014		TX	489,350		RI	88%	DE	86%
NY	8,475		TX	52		CT	55		TX	6,806,021		TX	88,011		CA	425,482		MA	85%	TX	86%
FL	5,196		CO	39		MA	74		FL	5,918,109		FL	73,925		FL	415,686		WA	85%	RI	84%
FR	4,684		VA	25		IL	93		NY	5,113,546		NY	68,218		NY	248,754		MN	84%	NM	84%
TX	4,217		FL	20		WI	44		IL	3,114,036		PA	44,592		GA	207,590		MD	83%	WA	83%
IL	3,807		IN	14		MN	44		PA	2,804,987		CH	38,360		CH	191,060		MO	81%	VT	82%
WA	3,773		PA	14		KY	34		CH	2,688,327		GA	37,659		PA	176,645		PA	81%	NH	81%
NJ	2,870		AL	12		VA	48		NC	2,647,650		IL	36,001		IL	157,776		GA	81%	AL	81%
MA	2,473		MN	10		FR	23		GA	2,509,160		MI	35,935		MI	141,810		DC	81%	KY	81%
CO	1,935		NY	10		LA	27		MI	2,411,464		NJ	33,371		KY	133,054		MI	81%	MA	79%
55,276			368			564			43,205,966			546,086			2,587,207						
All states	70,519		483			1,900			All states	80,929,995		991,457			4,697,626			All states	70%	67%	
Top ten	78%		74%			30%			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
CH -6,890	FL	-126	NC	-35	ID +10 bp
AZ -1,662	CH	-94	MI	-30	KS +10 bp
FL -1,365	CK	-79	NY	-29	MA +10 bp
UT -1,197	PA	-14	AL	-24	ME +10 bp
CK -500	WV	-14	WA	-15	MT +10 bp



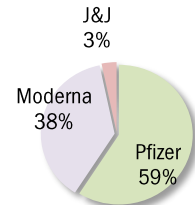
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	586,838,367		+0.224 million	US	66.0%	77.4%
Boosters	101,183,593		+0.043 million	UK	72.8%	77.8%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	264,844,407	79%	225,495,475	67%	+0.025 million	France 77.9% 80.2%
Age 12 to 17	17,681,558	70%	15,080,829	60%	+0.001 million	Spain 86.3% 88.1%
Age 18 to 64	178,192,350	88%	151,174,694	74%	+0.010 million	Germany 75.4% 76.0%
Age 65 and over	58,736,114	100%	51,013,494	93%	+0.011 million	Italy 79.3% 84.1%

Australia	83.3%	86.3%
Israel	66.0%	72.2%
Canada	82.1%	87.6%
Japan	80.3%	81.7%
Africa	16.2%	21.2%
India	60.8%	71.7%
Brazil	76.3%	85.2%
China	86.3%	88.6%

Global data differs due to sources, timing



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



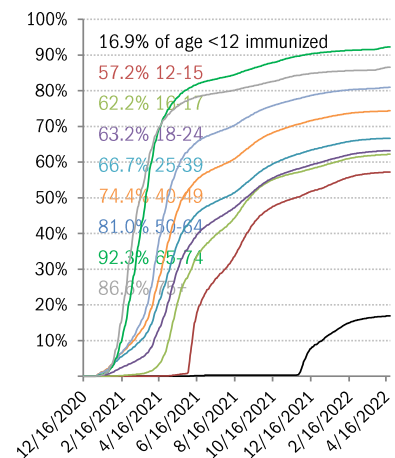
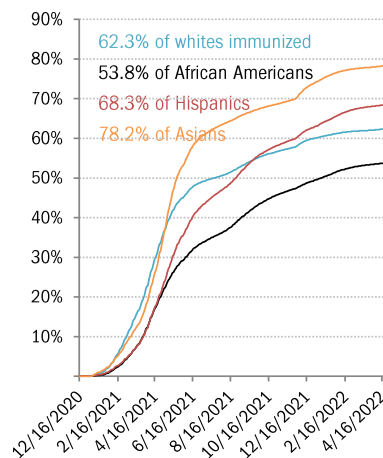
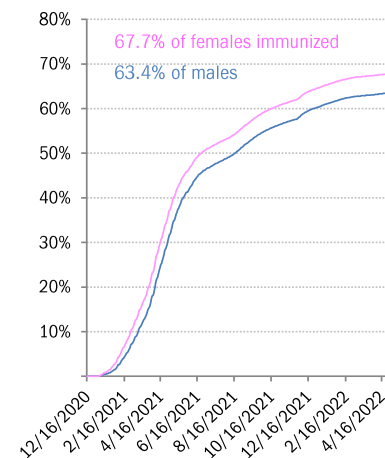
AK	69.7%
	62.2%

Immunity = two doses

As of Apr 22

					WI					ME
					71.7%					90.2%
					65.4%					79.4%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.7%	61.0%	65.1%	64.8%	75.0%	76.4%	66.9%		90.0%	93.3%	87.8%
72.4%	54.0%	56.7%	54.8%	69.0%	68.5%	60.0%		76.7%	81.0%	70.0%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.7%	75.1%	58.7%	76.3%	67.8%	61.3%	63.5%	84.6%	90.2%	95.0%	
69.5%	60.7%	51.5%	61.2%	61.8%	54.7%	58.3%	68.2%	75.5%	78.8%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
83.5%	72.0%	79.2%	70.2%	66.1%	66.1%	64.9%	85.5%	86.3%	95.0%	95.0%
71.9%	64.2%	70.1%	63.5%	55.9%	57.3%	57.5%	73.0%	75.4%	79.0%	82.3%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	72.9%	87.4%	74.3%	66.5%	62.1%	83.9%	67.3%	95.0%	82.9%	
	61.4%	70.9%	61.3%	54.3%	54.4%	60.8%	56.6%	73.8%	68.9%	
			OK	LA	MS	AL	GA			
			70.9%	60.9%	59.5%	62.6%	65.2%			
			57.1%	53.4%	51.7%	51.0%	54.6%			
			TX					FL		PR
			72.9%					79.1%		94.8%
			61.3%					66.8%		82.9%

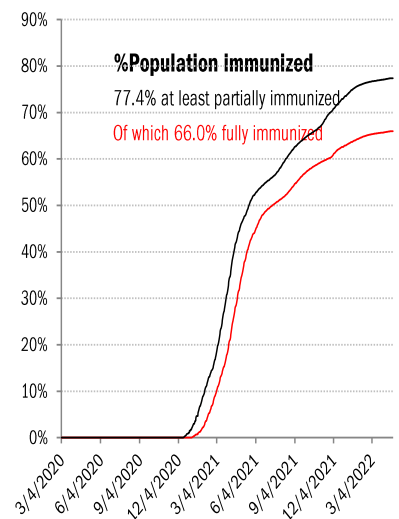
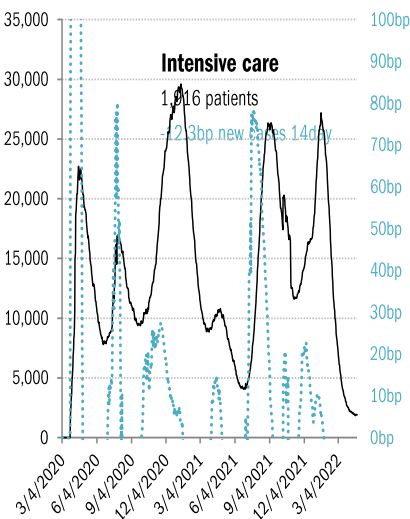
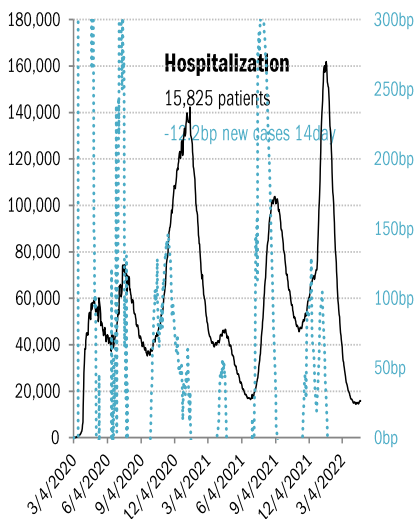
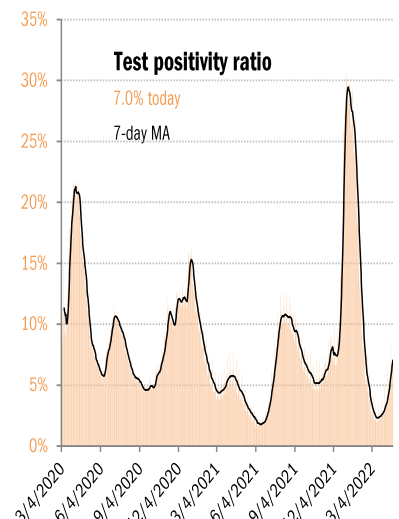
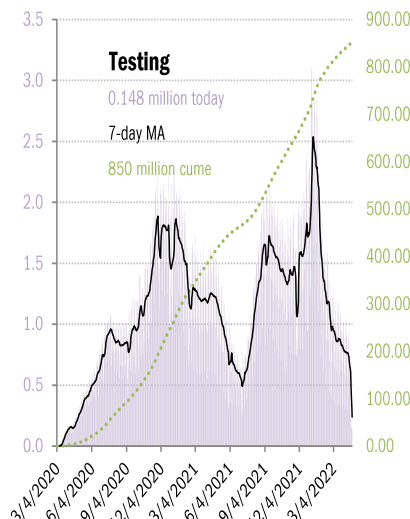
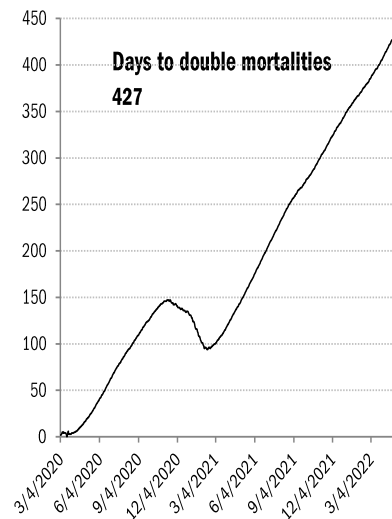
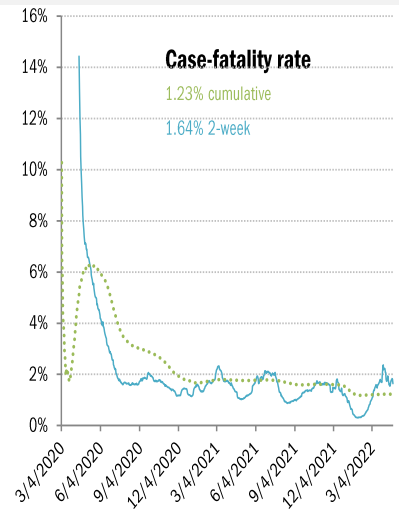
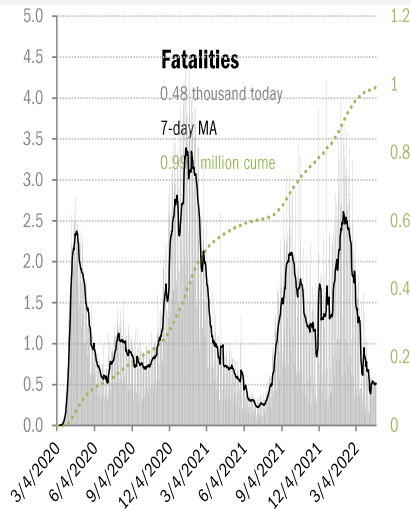
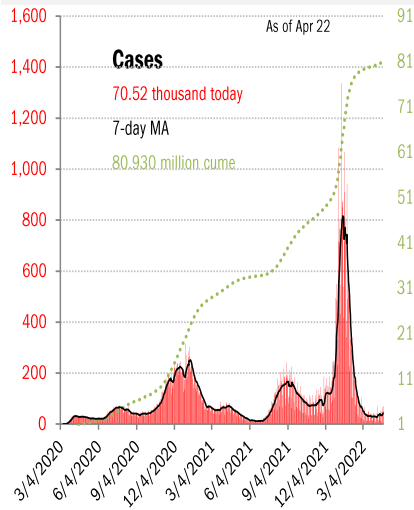
The demographics of US vaccination



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

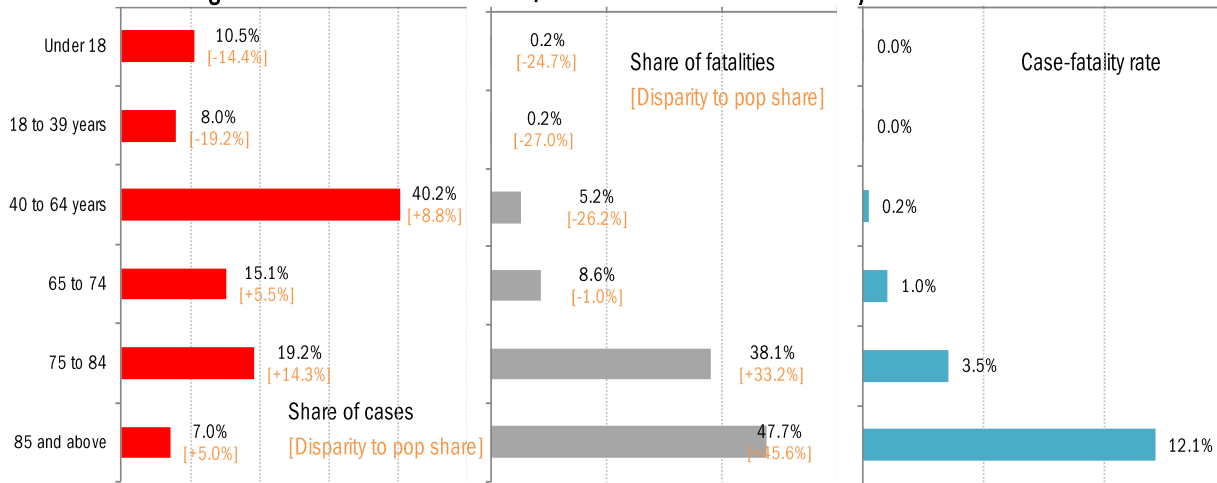
US deep-dive

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

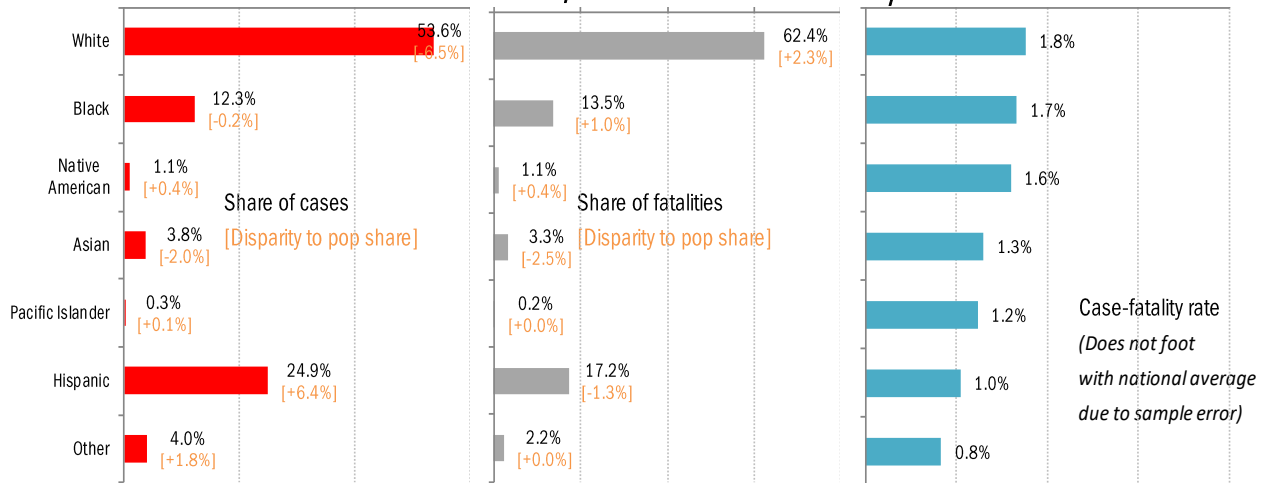


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

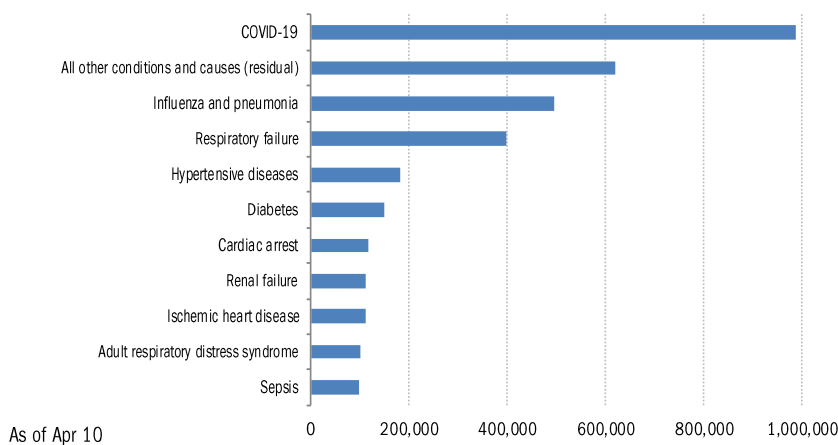


Racial distribution of US cases, fatalities and case-fatality rates



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

[All Hail, Anthony Fauci](#)

Wall Street Journal
April 22, 2022

[The Covid Pandemic Didn't Kill Conventions After All](#)

Brooke Southerland
Bloomberg
April 22, 2022

[As At-Home Rapid Tests Replace PCRs, We Need Better Guidance](#)

Faye Flam
Bloomberg
April 22, 2022

[MSNBC writer claims 'White people' cheered travel mask ruling because they don't care about 'Black deaths'](#)

Gabriel Hays
Fox News
April 20, 2022

[Psaki Admits Appealing the CDC Mandate Ruling Is All About Preserving Power](#)

Spencer Brown
TownHall
April 20, 2022

[The U.S. Appealed to Reinstate Masks. But Is It Seeking to Win?](#)

Charlie Savage and Sharon LaFraniere
New York Times
April 22, 2022

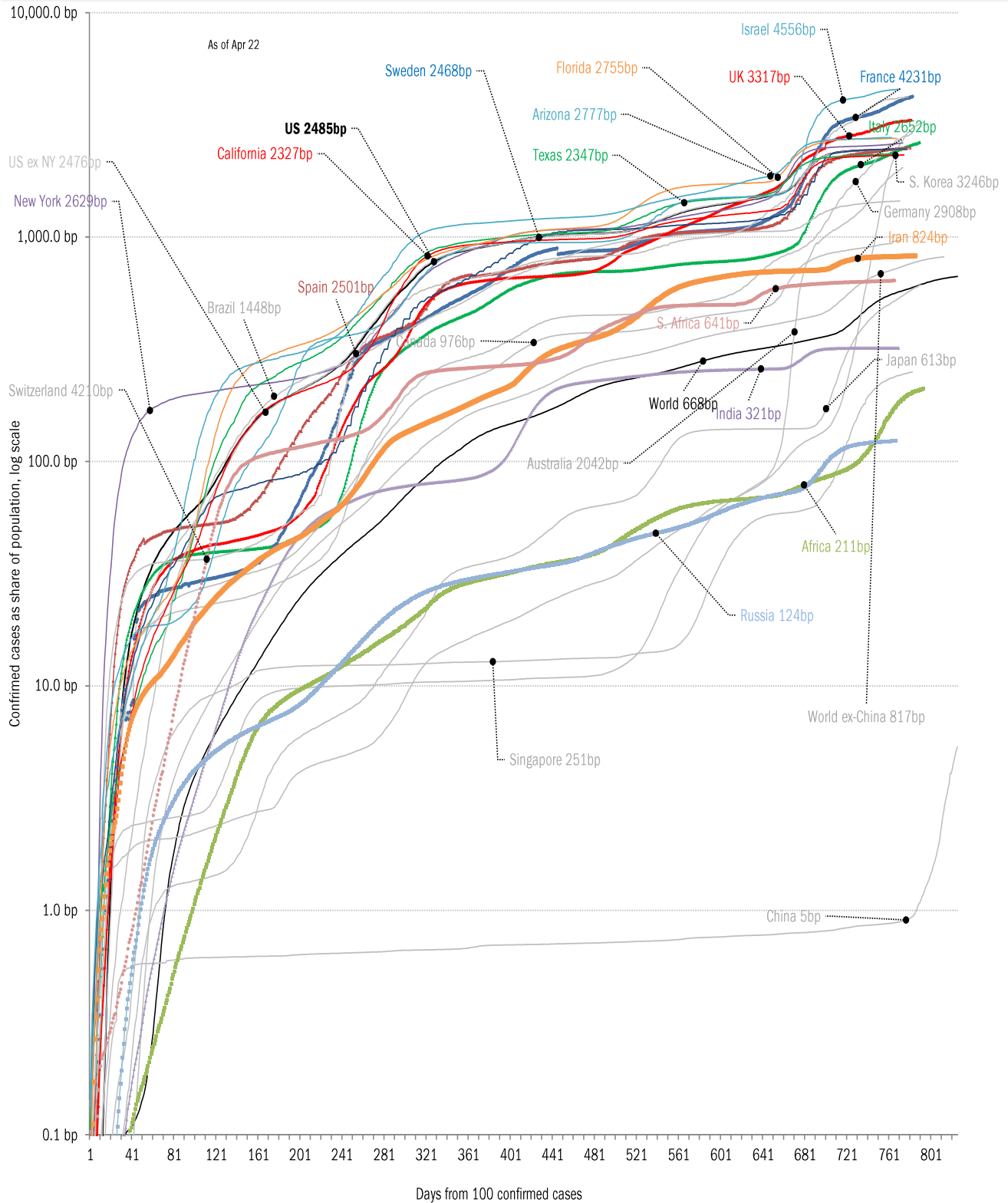
Meme of the day

Fact checkers meeting



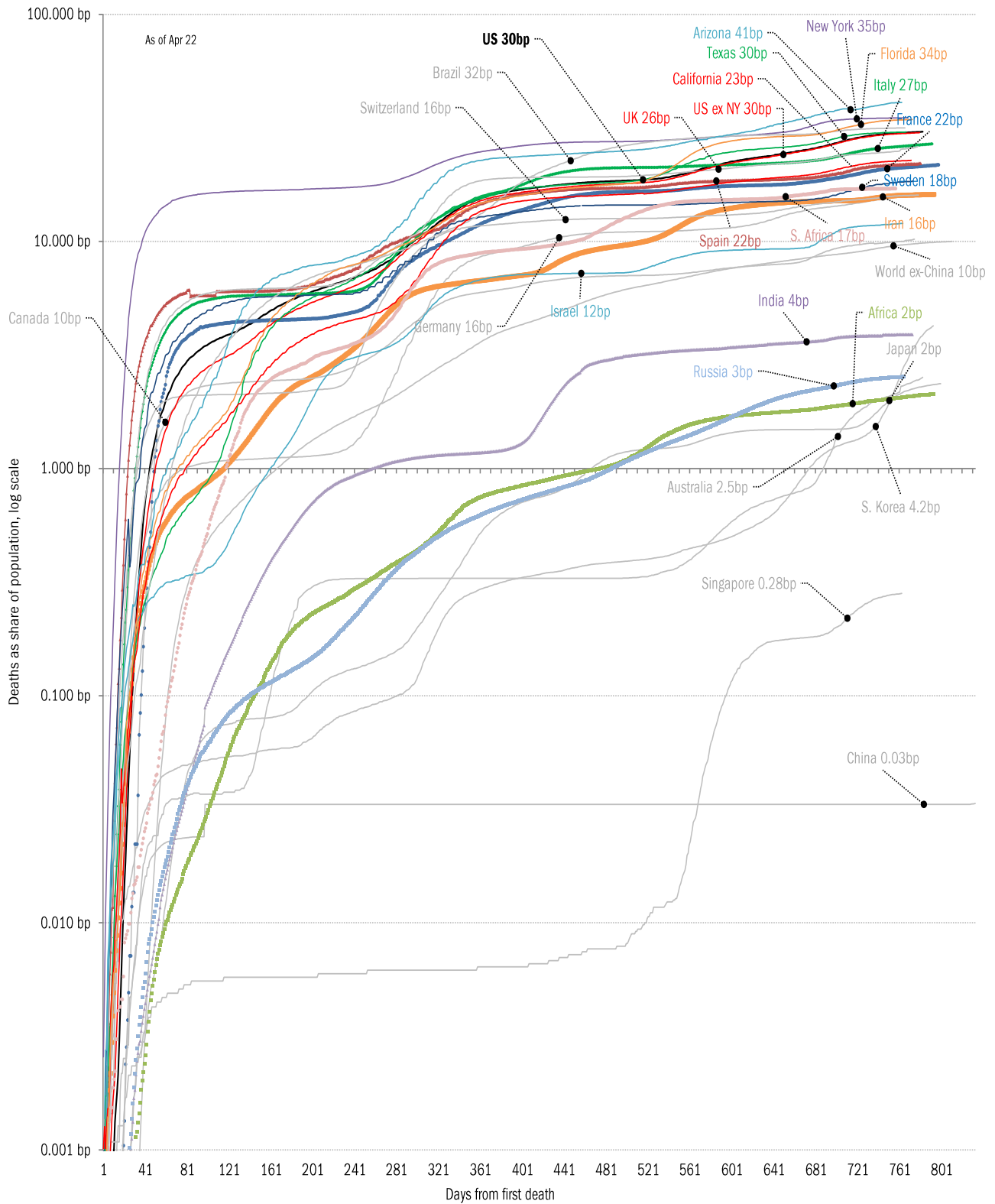
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

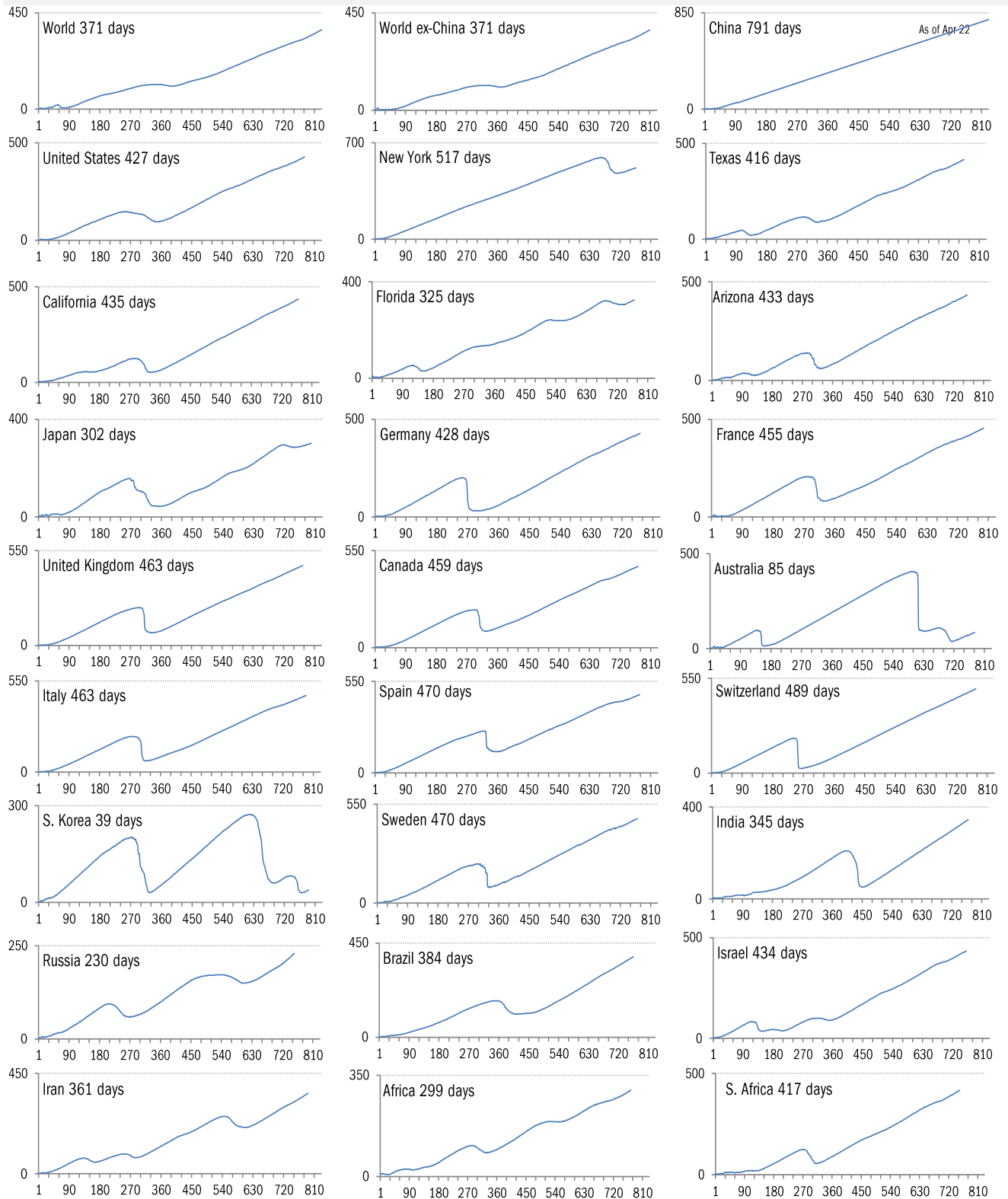
The coronavirus mortality accelerometer ... tracking the world's fatality curves
Share of deceased population from day of first fatality, log scale



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

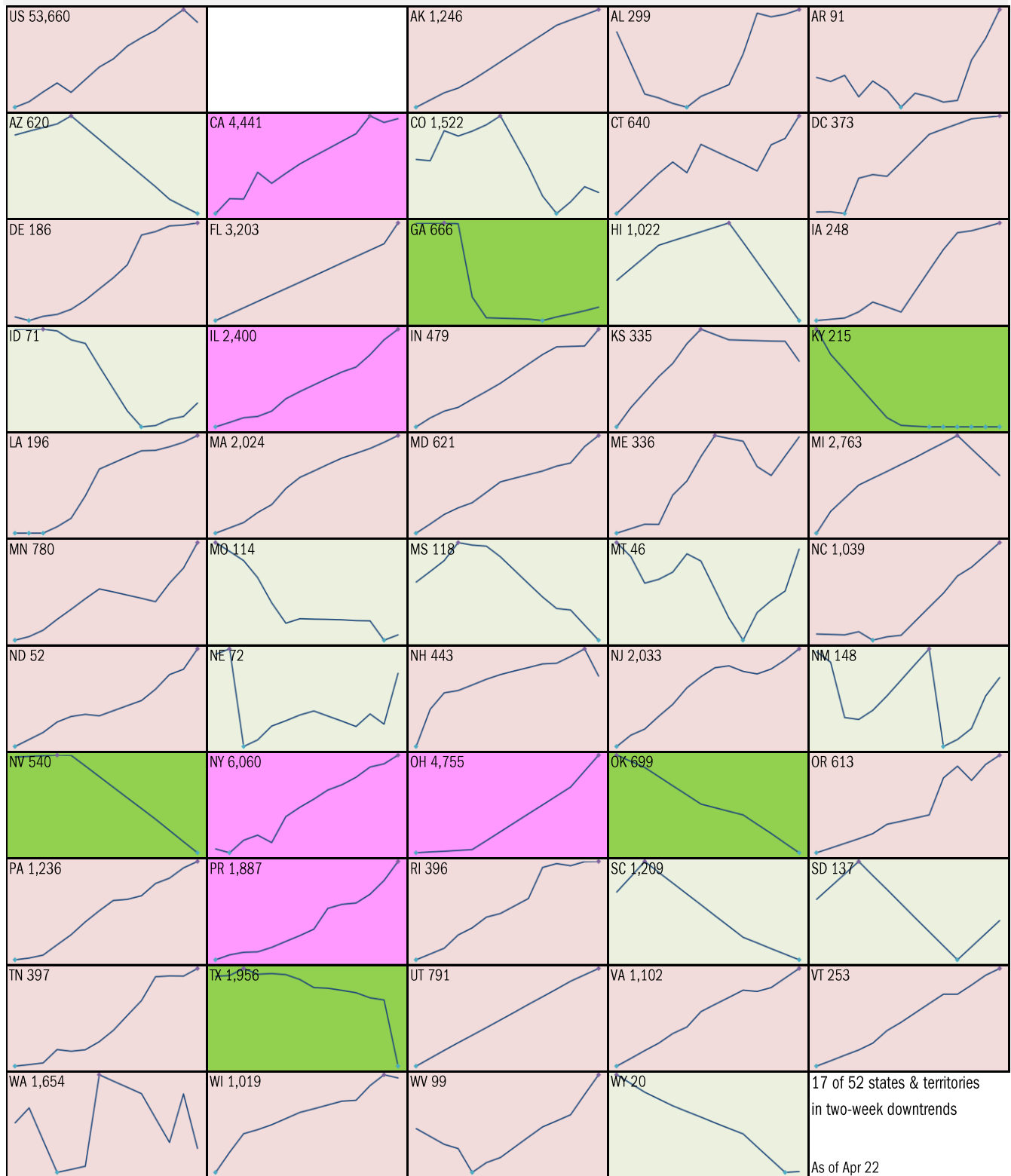


Source: [Johns Hopkins](#), TrendMacro calculations

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

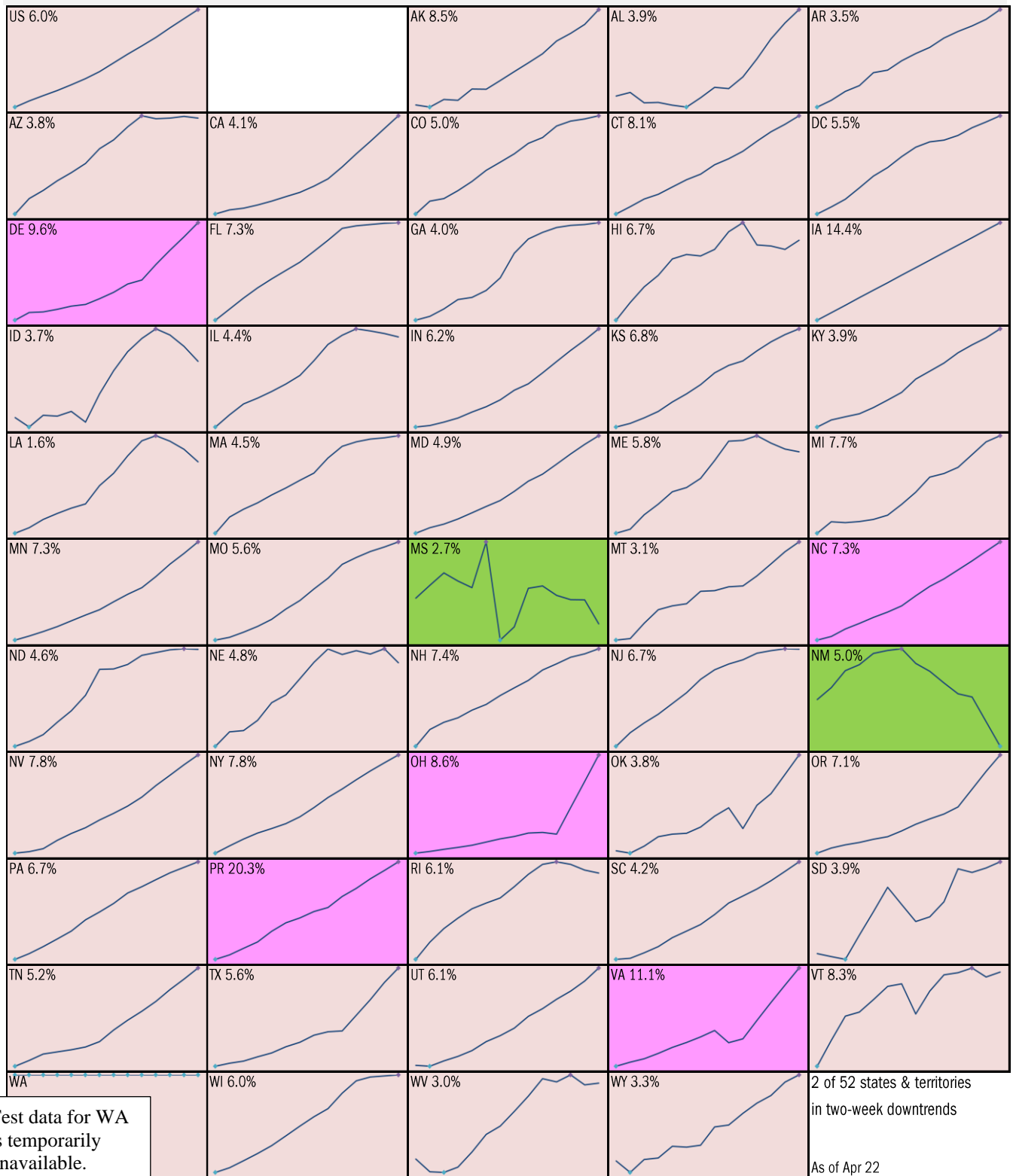


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

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

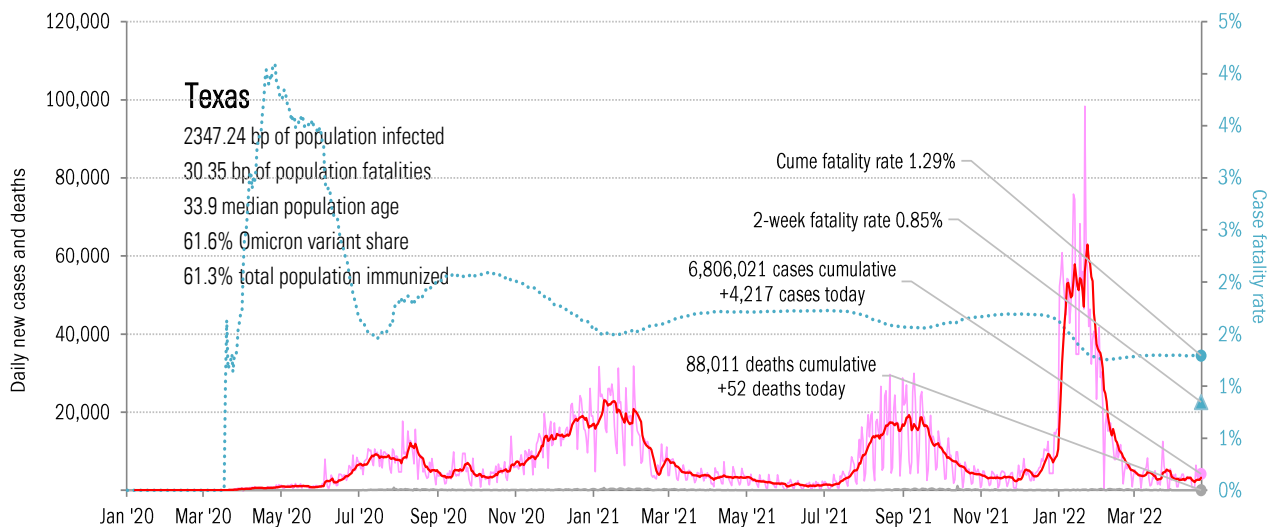
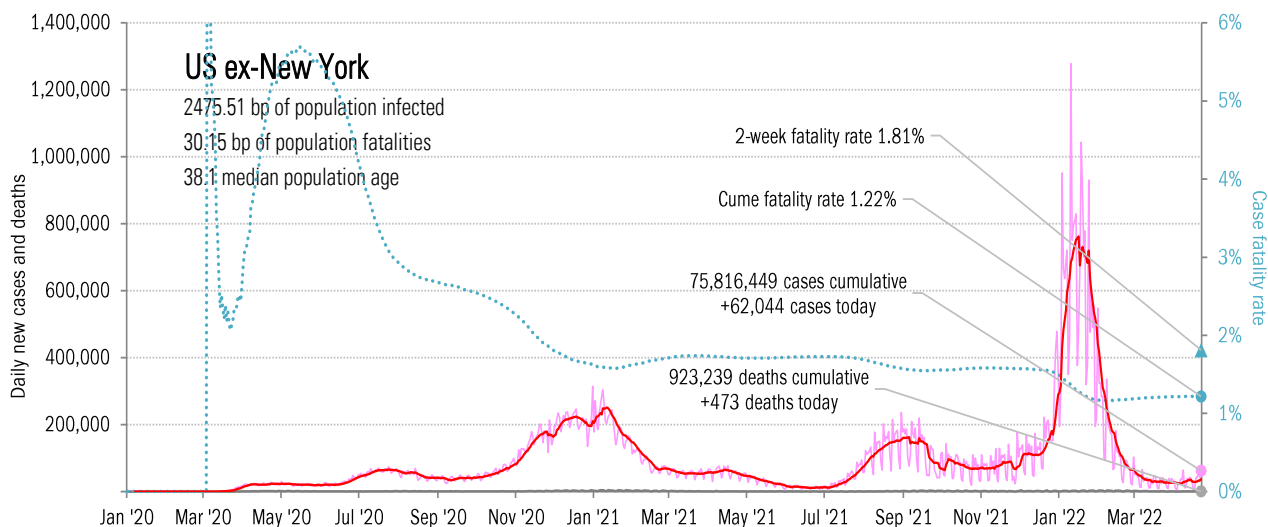
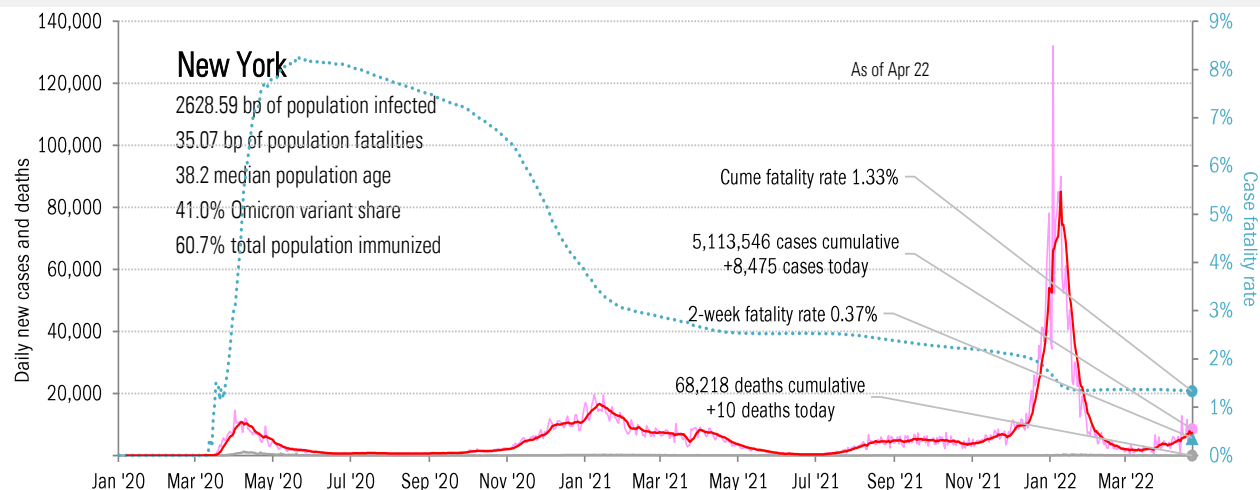
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

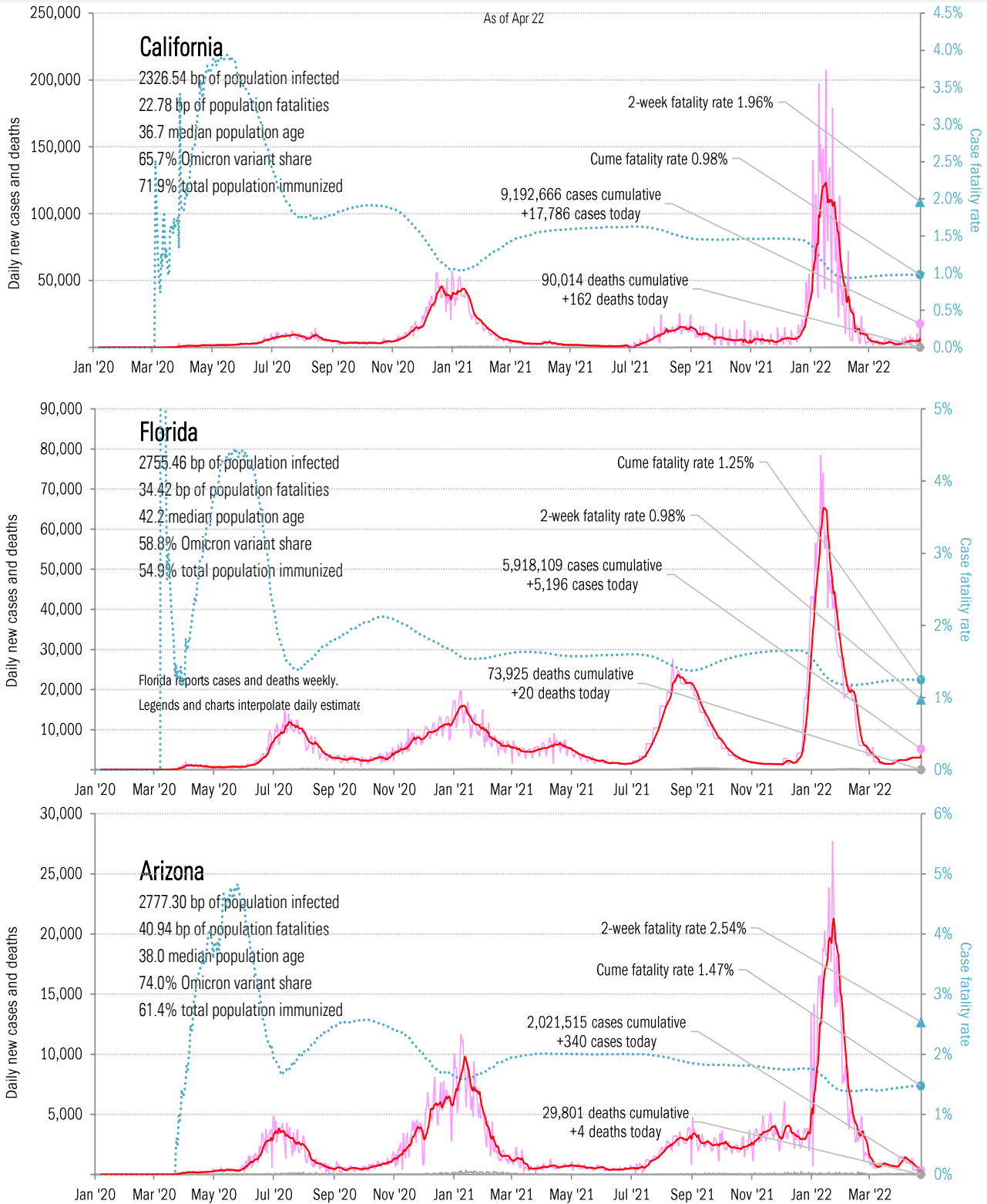
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

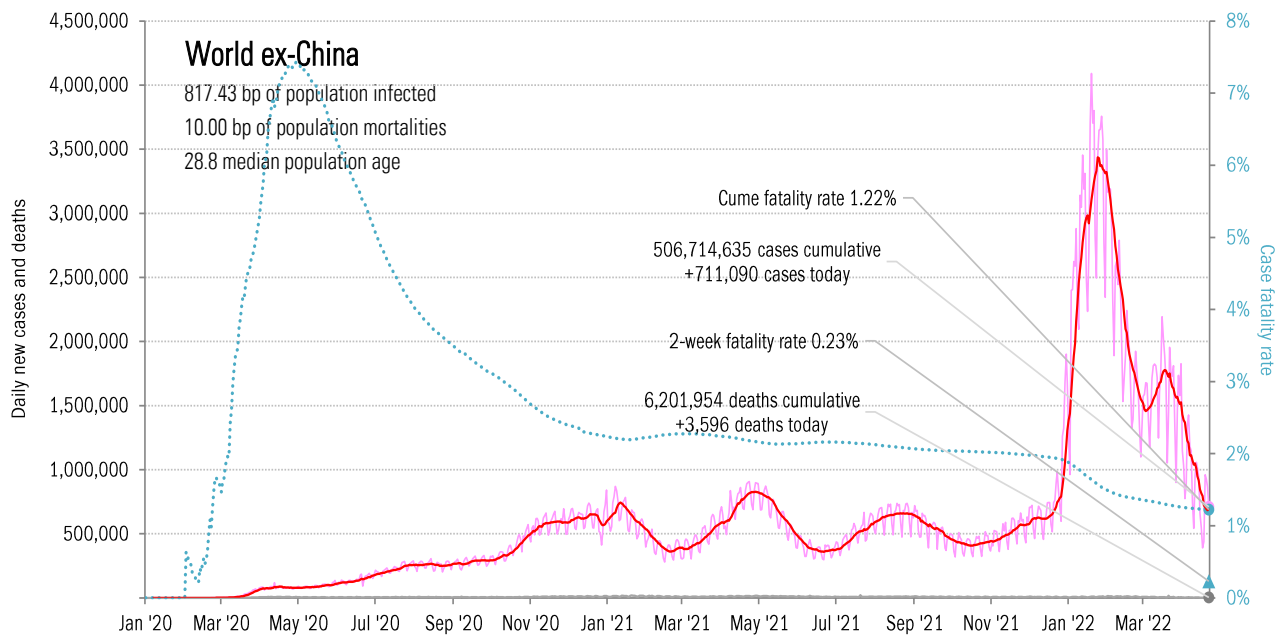
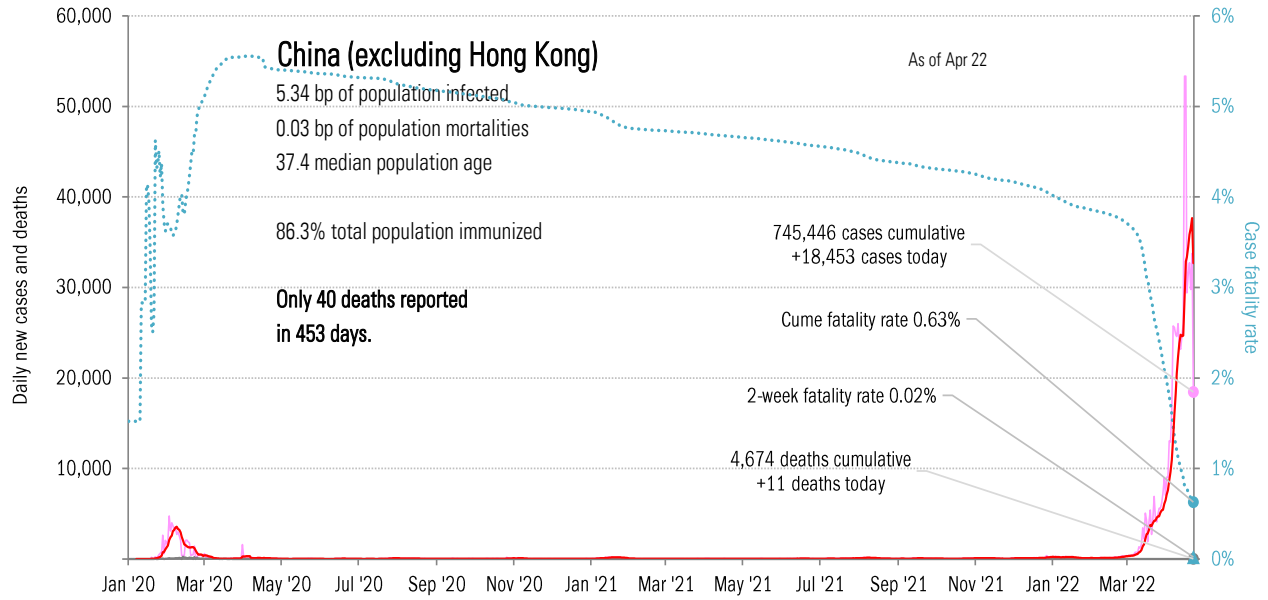
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

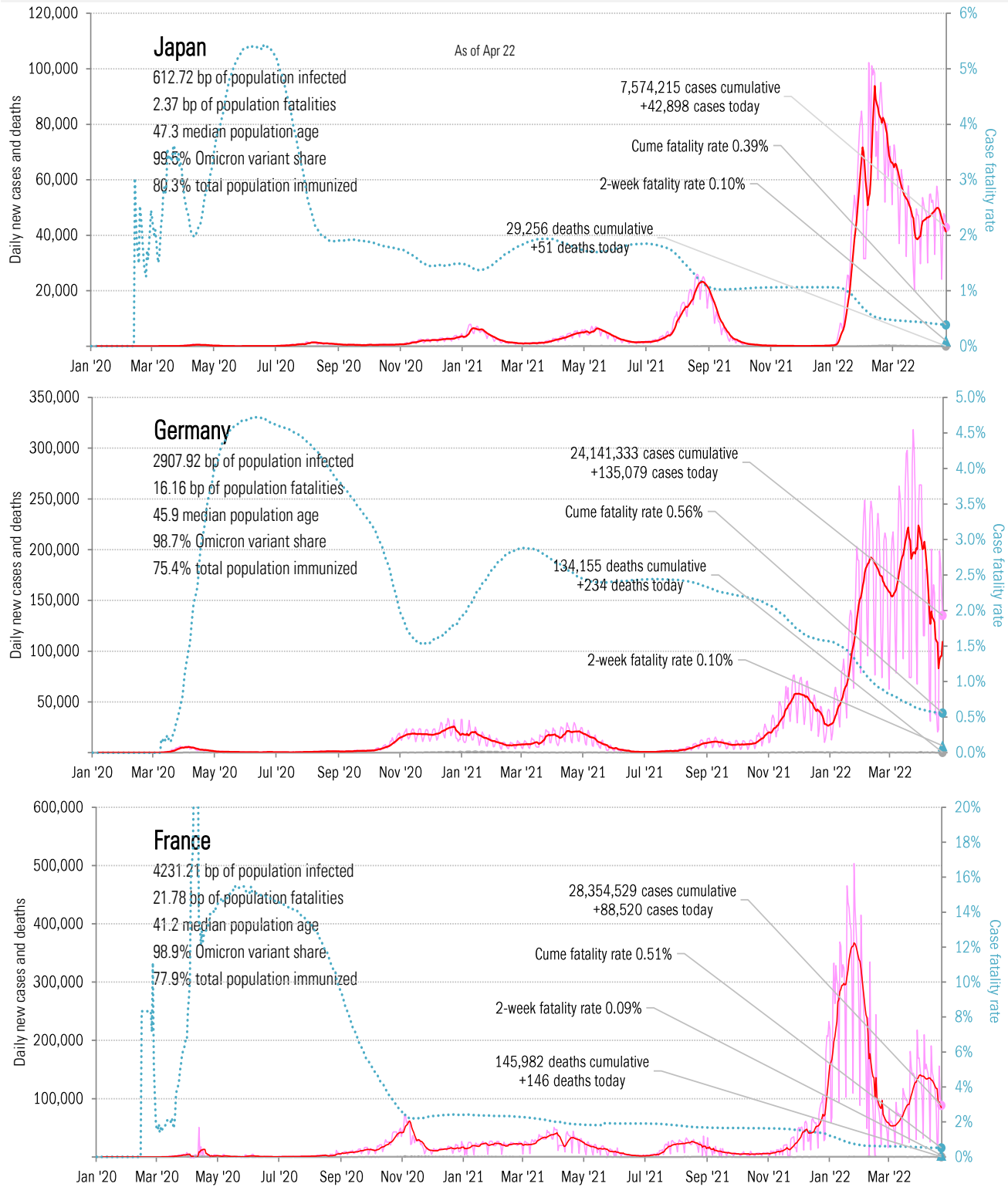
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

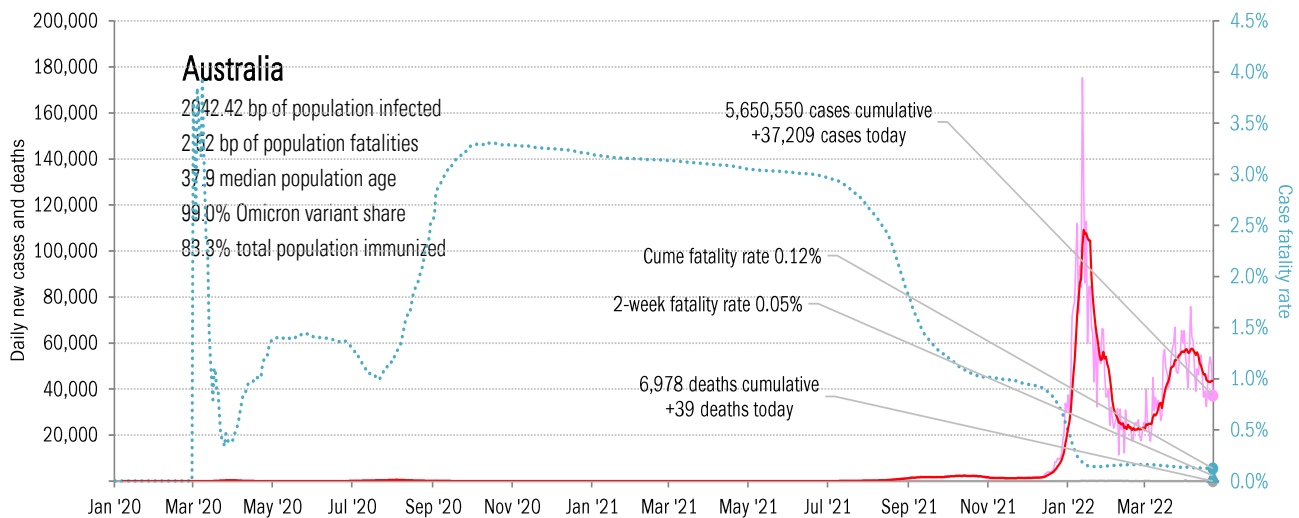
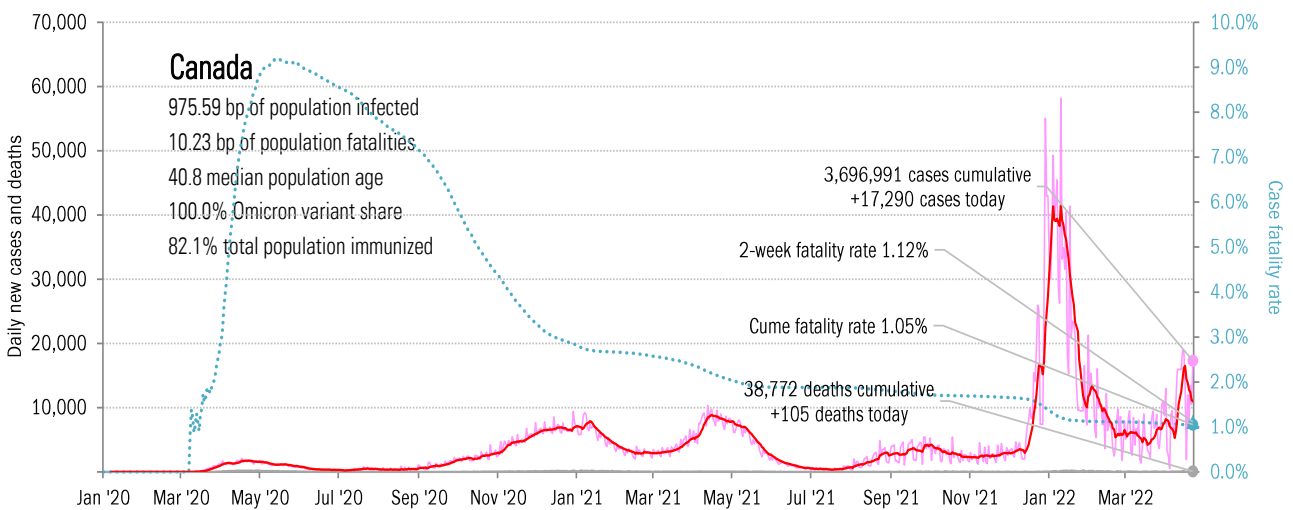
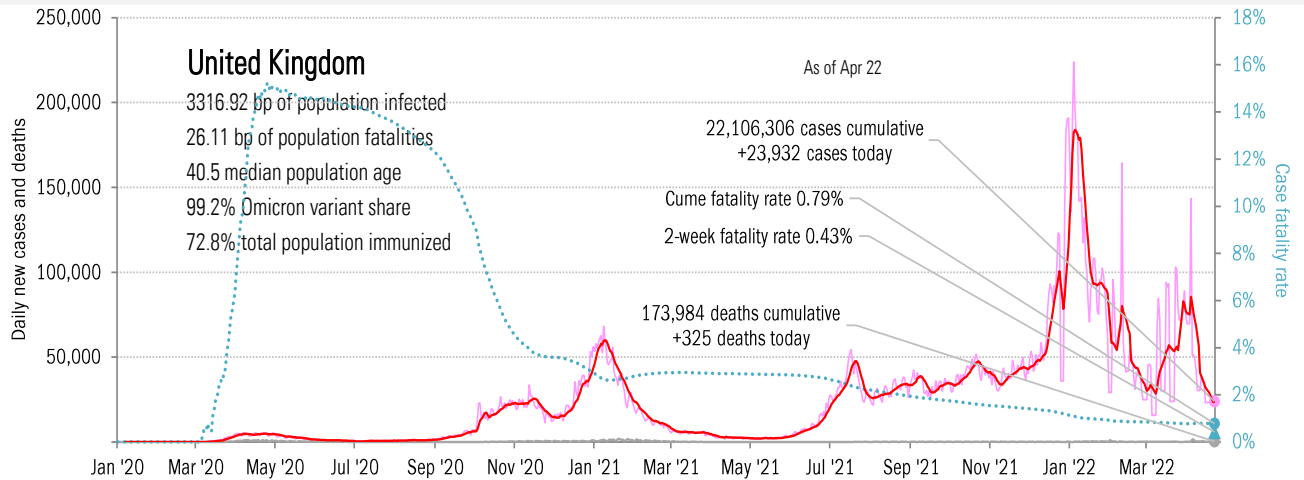
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

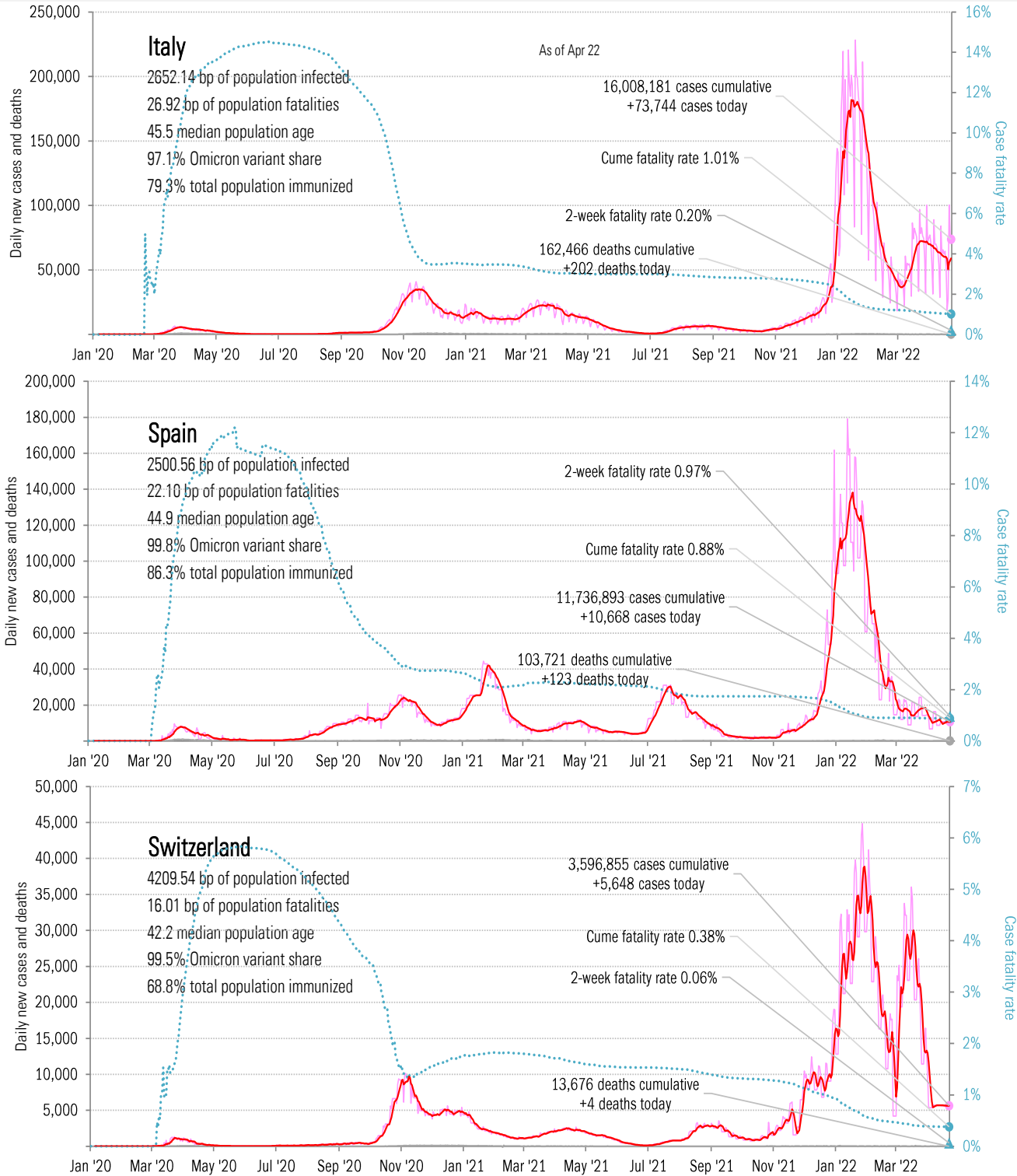
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

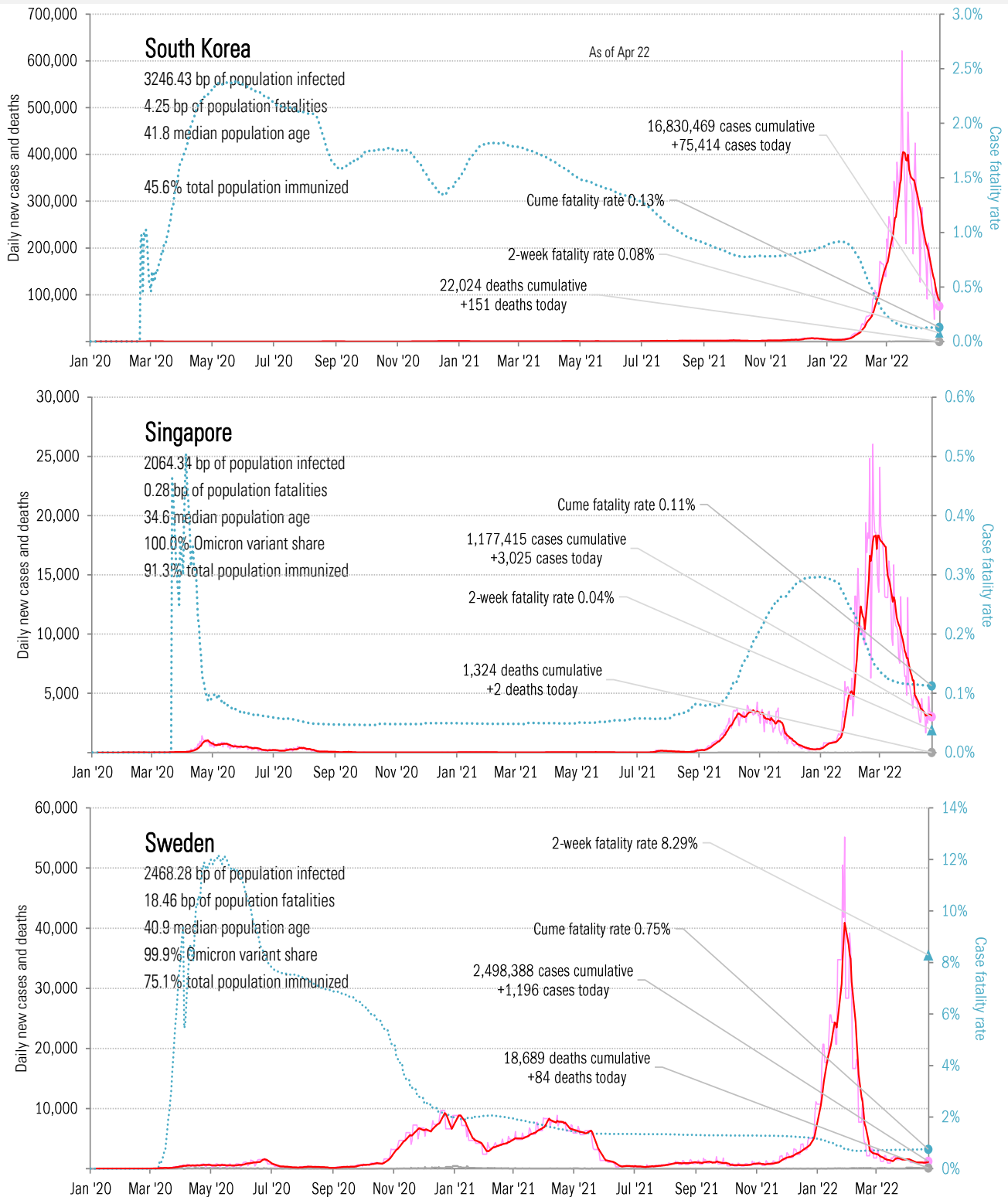
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

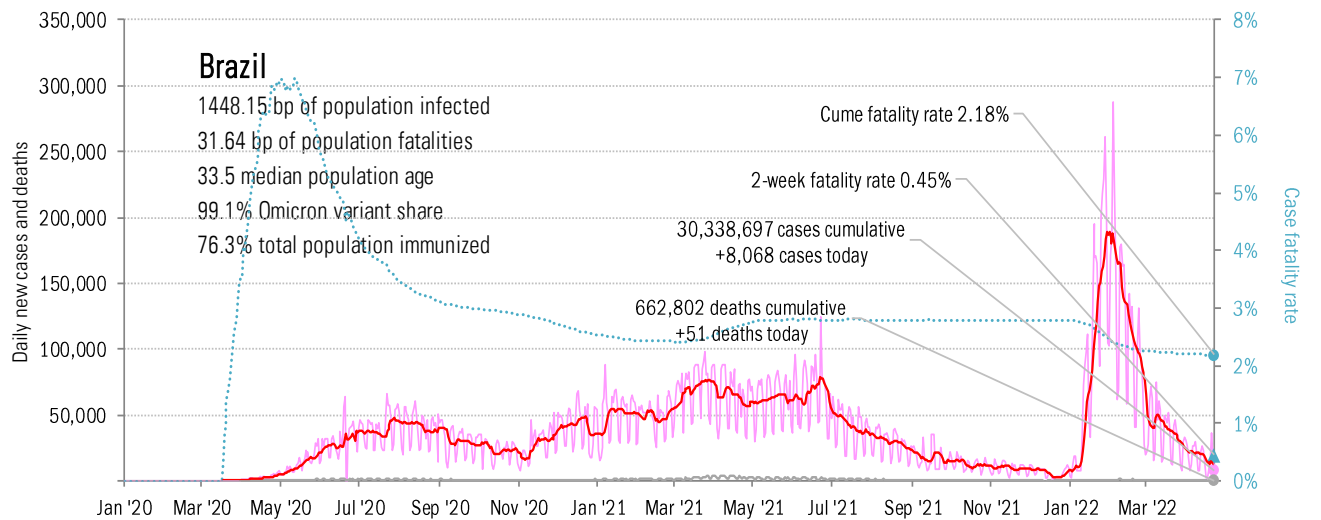
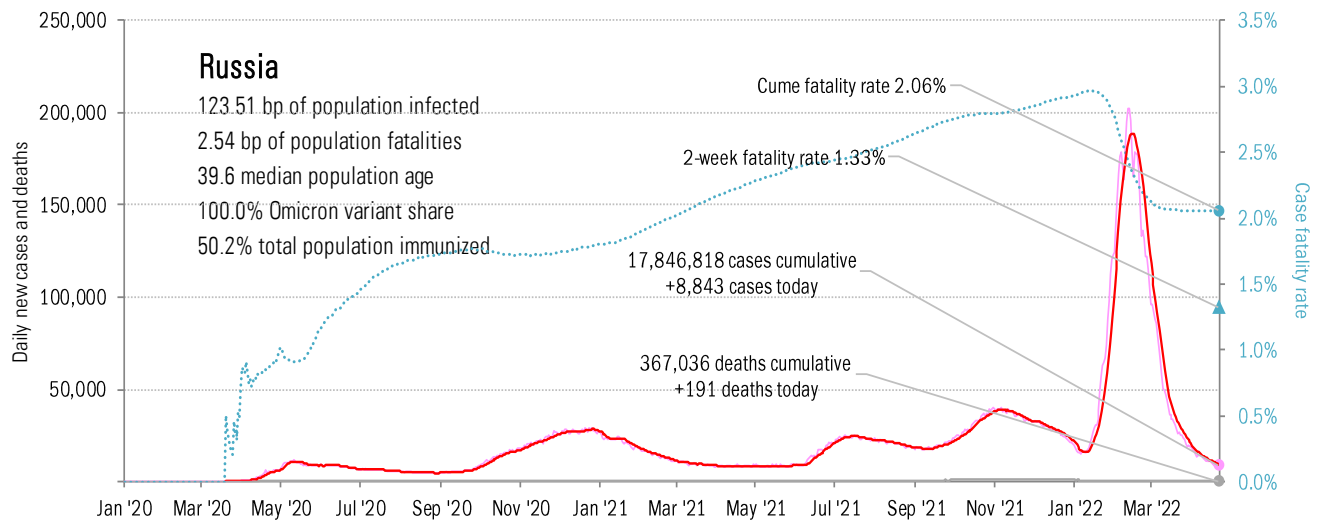
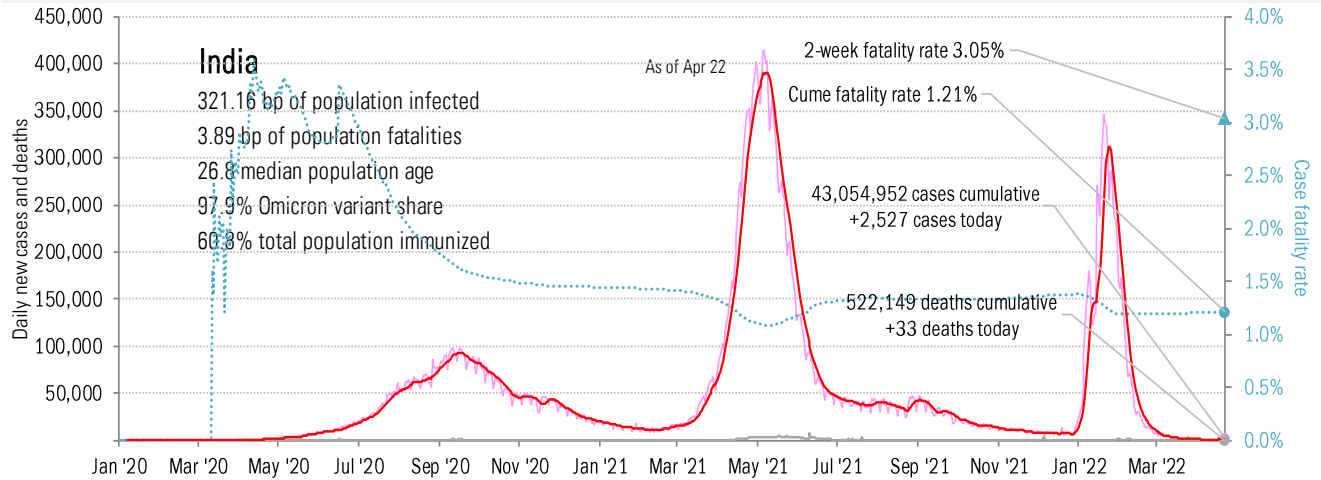
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

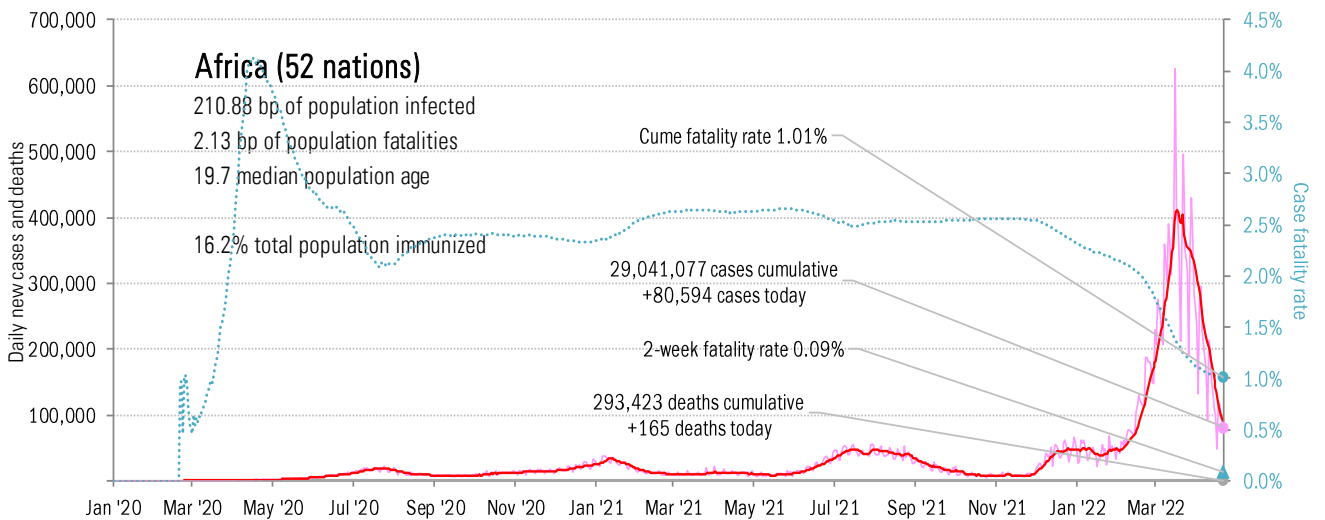
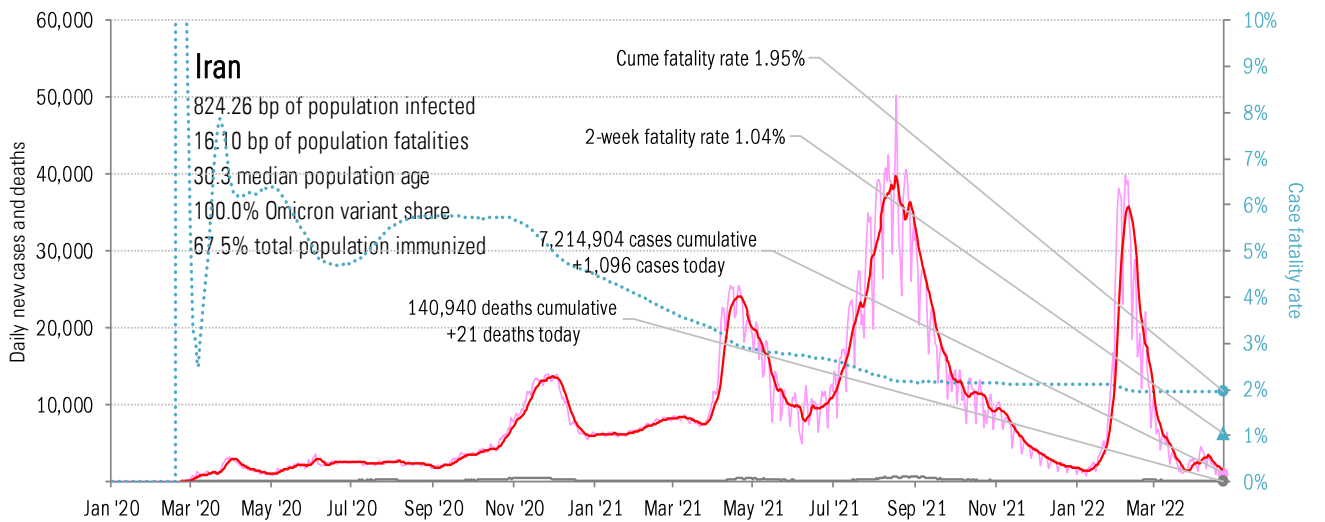
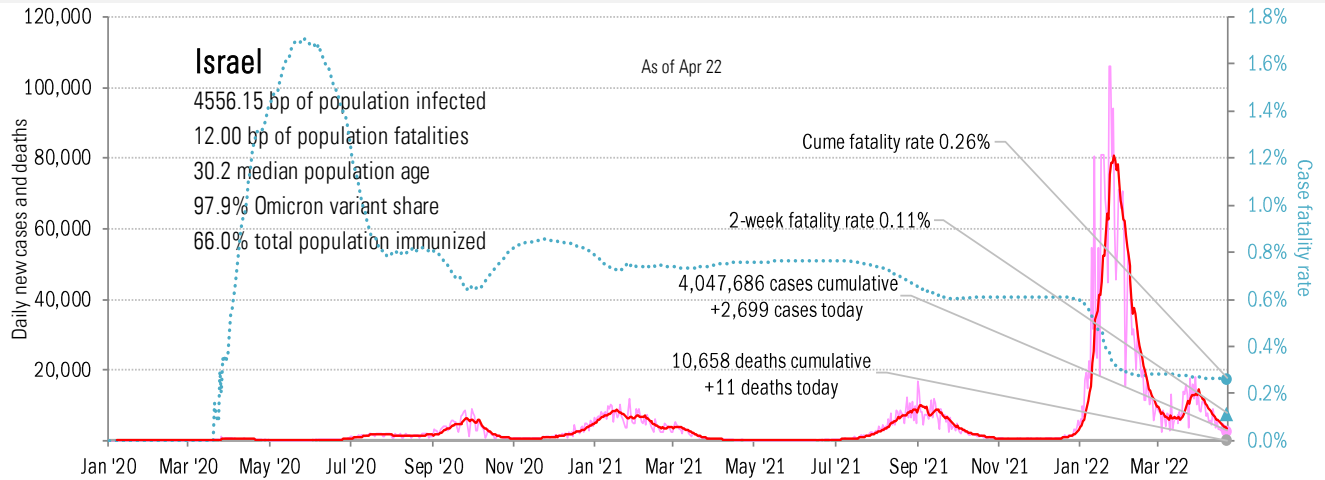
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

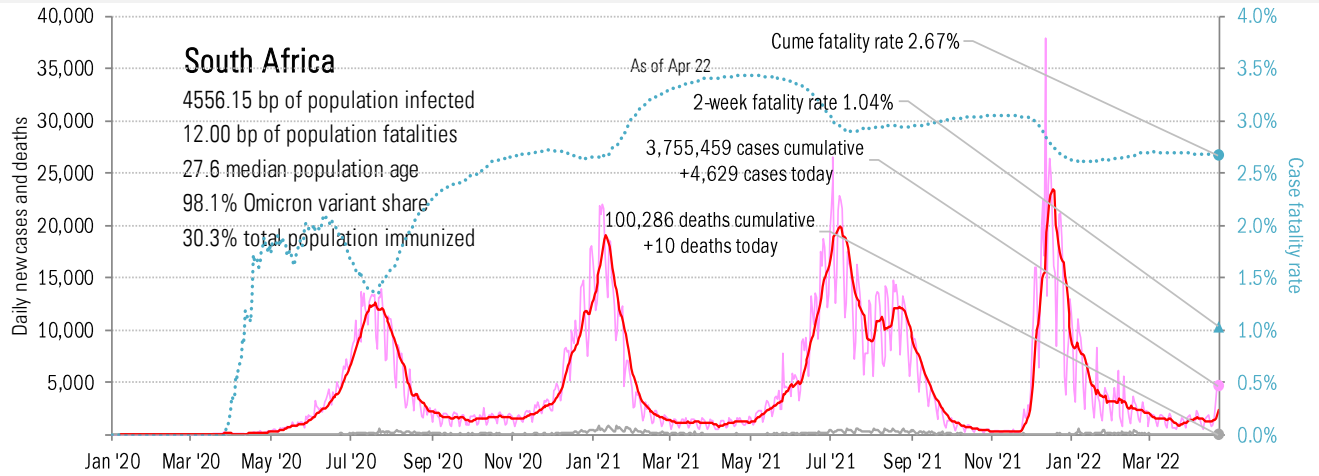
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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