

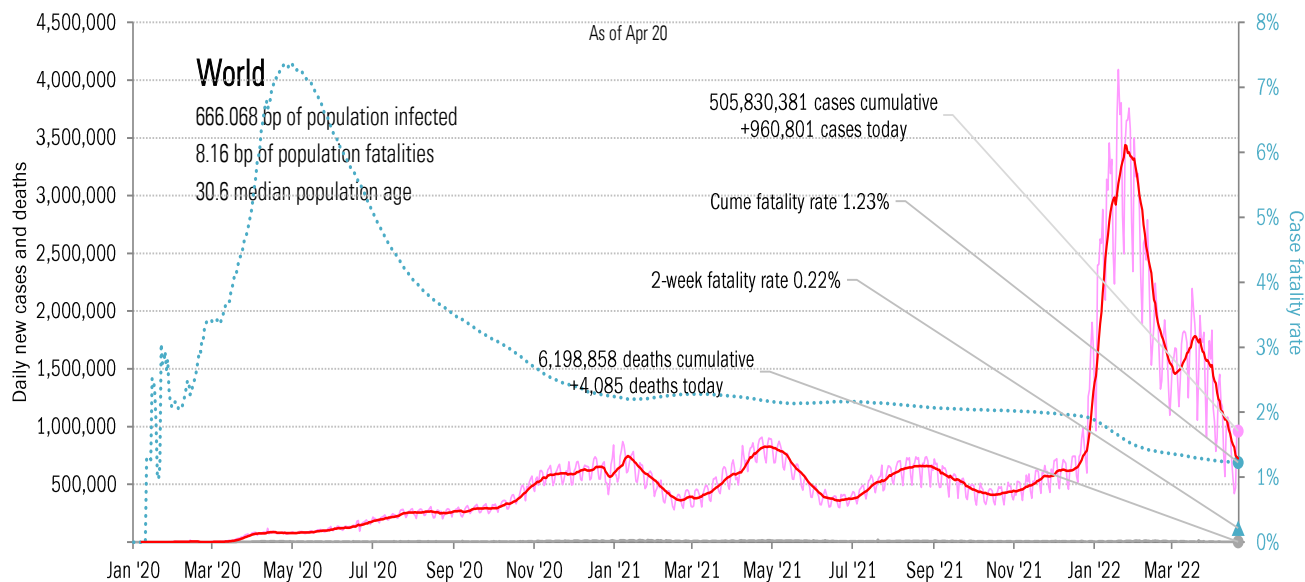
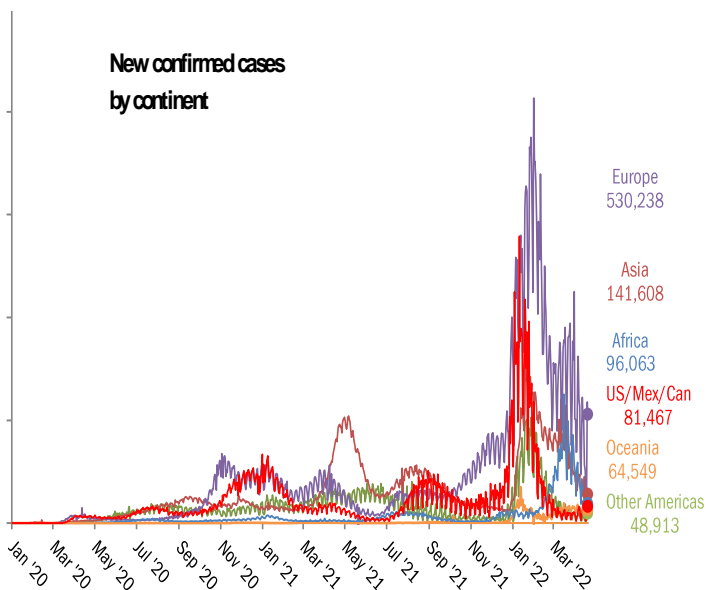
Data Insights: Covid-2019 Monitor

Thursday, April 21, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Germany	186,325	Spain	617
France	155,783	United Kingdom	514
Italy	100,440	United States	474
Korea, South	90,825	Germany	324
United States	66,744	Brazil	263
Australia	53,901	France	227
Japan	47,829	Russia	218
Brazil	36,750	Italy	205
China	29,772	Korea, South	147
United Kingdom	27,321	Thailand	129
	795,690		3,118
World	960,801	World	4,085
Top ten	83%	Top ten	76%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

The ten worst US states

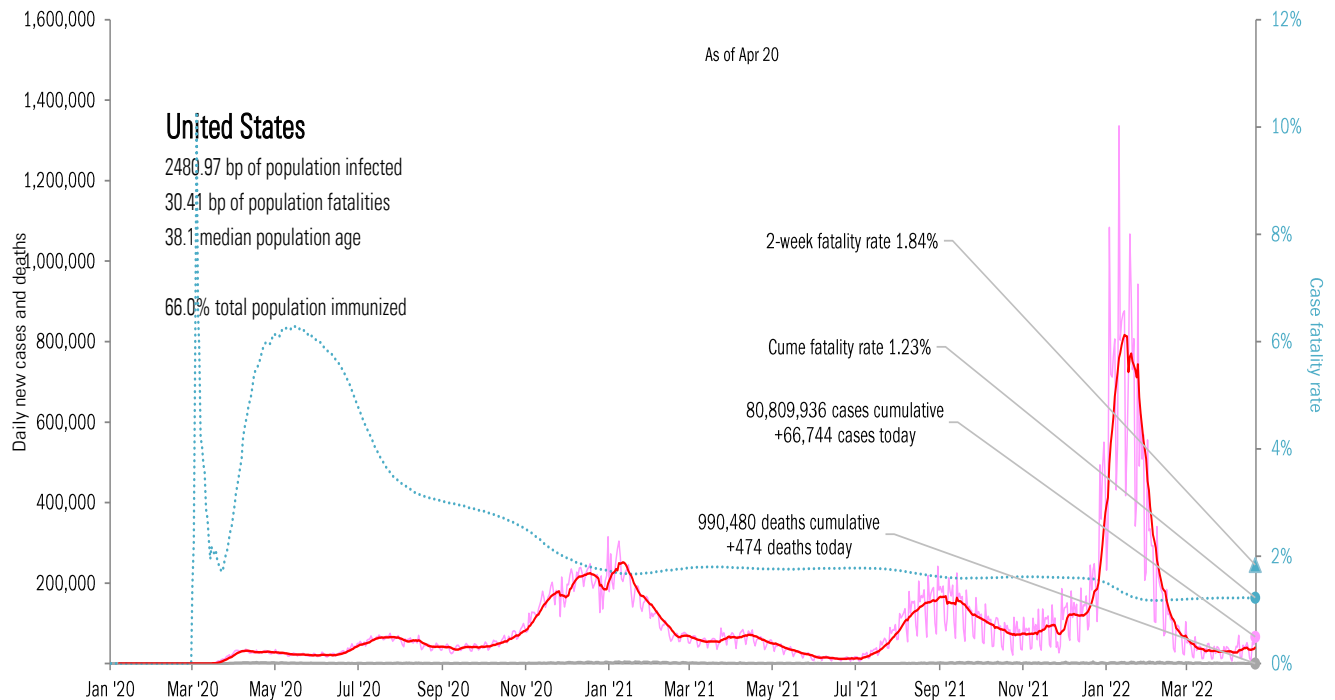
New cases			New deaths		New in hospital		Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
MI	10,474		NV	183	GA	119	CA	9,172,767	CA	89,838	TX	489,134	RI	88%	TX	85%			
NC	8,409		GA	136	CA	154	TX	6,798,593	TX	87,929	CA	425,193	MA	83%	RI	84%			
NY	7,614				PR	29	FL	5,912,913	FL	73,886	FL	415,411	GA	82%	KY	83%			
IL	3,931				MA	81	NY	5,098,022	NY	68,186	NY	248,241	MN	81%	DE	82%			
TX	3,182				TX	121	IL	3,106,642	PA	44,550	GA	207,444	WA	81%	WA	81%			
GA	2,526				AZ	46	PA	2,801,534	CH	38,266	CH	190,937	DC	80%	AL	80%			
FR	2,329				FL	128	CH	2,681,437	GA	37,659	PA	176,479	MD	80%	NM	80%			
NJ	2,245		NC	29	IL	69	NC	2,647,650	IL	35,979	IL	157,585	PA	80%	DC	79%			
MA	1,986		VA	28	NY	210	GA	2,509,160	MI	35,935	MI	141,659	MI	79%	VT	79%			
CO	1,907		MA	27	CR	29	MI	2,411,464	NJ	33,356	KY	132,994	MO	79%	CR	78%			
44,603			674		986		43,140,182			545,584			2,585,077						
All states	66,744		474		1,762		All states	80,809,936	990,480			4,693,808			All states	70%	67%		
Top ten	67%		142%		56%		Top ten	53%	55%			55%			Median	73%	71%		

US state fatality data distorted due to revisions.

Some states not reporting

Five most improved US states

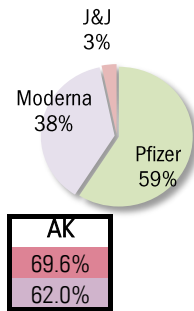
Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most pop immunity growth
CA -9,009	FL -109	NY -24	AR +10 bp
FL -6,561	CA -59	NC -21	CO +10 bp
MA -4,815	PA -40	CT -17	DE +10 bp
AZ -3,360	SC -36	MA -12	MA +10 bp
SC -1,496	CO -13	WI -12	TN +10 bp



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	585,661,524	+0.191 million	US	66.0%	77.4%
Boosters	100,955,428	+0.035 million	UK	72.8%	77.8%
	One dose	% Pop	Immune	% pop	New immune today
Total population	264,663,990	79%	225,317,192	67%	+0.026 million
Age 12 to 17	17,667,850	70%	15,071,165	60%	+0.001 million
Age 18 to 64	178,098,394	88%	151,079,346	74%	+0.012 million
Age 65 and over	58,683,475	100%	50,958,953	93%	+0.009 million

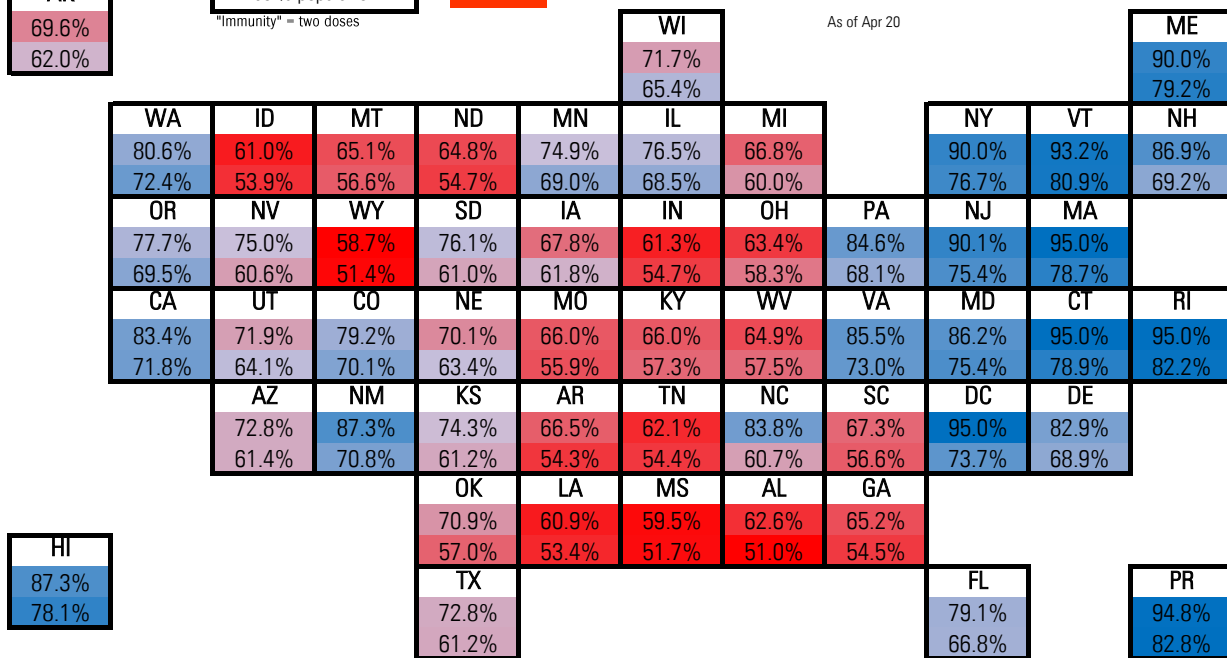


State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

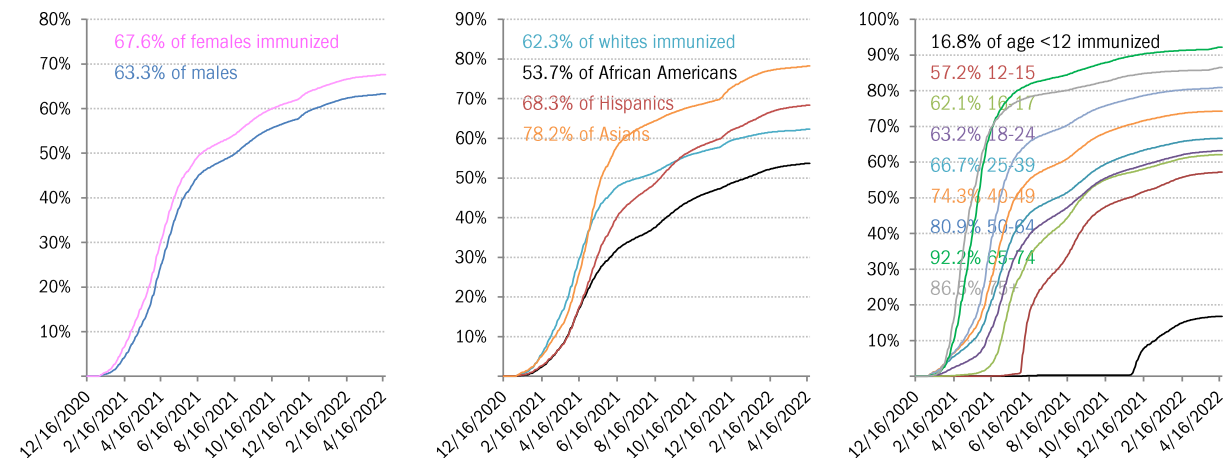
Immunity = two doses

France	77.9%	80.2%
Spain	86.3%	88.1%
Germany	75.4%	76.0%
Italy	79.3%	84.1%
Australia	83.2%	86.3%
Israel	66.0%	72.2%
Canada	82.1%	87.6%
Japan	80.3%	81.7%
Africa	16.2%	21.2%
India	60.7%	71.7%
Brazil	76.2%	85.2%
China	86.3%	88.6%

Global data differs due to sources, timing



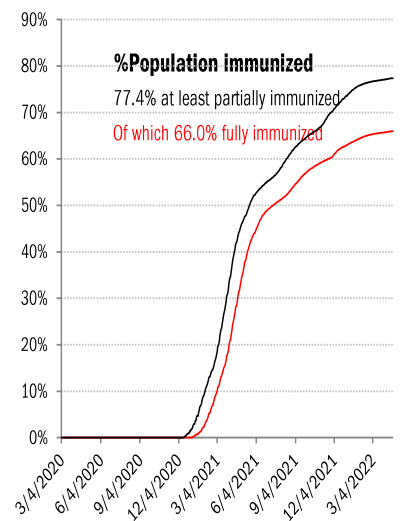
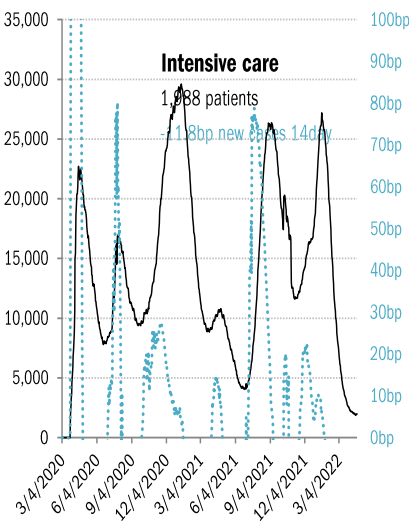
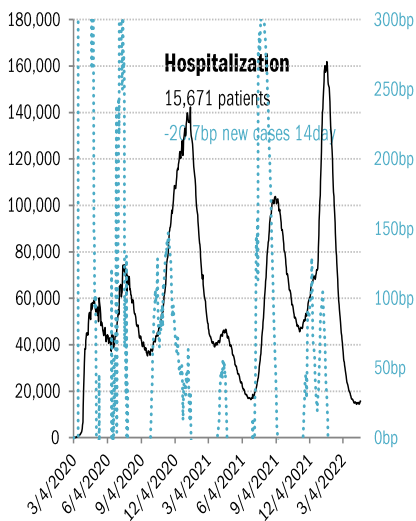
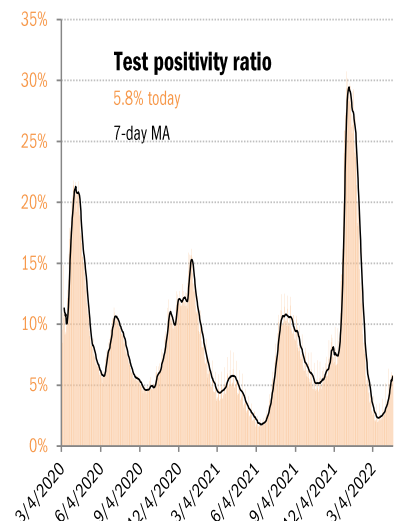
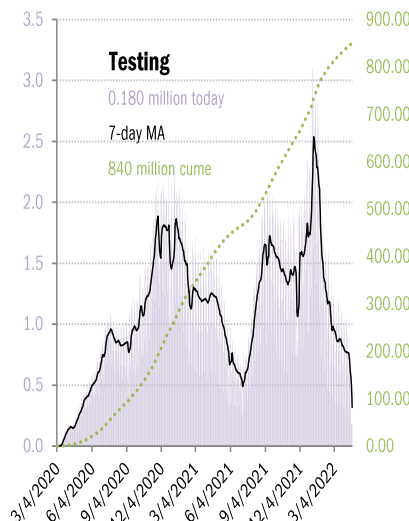
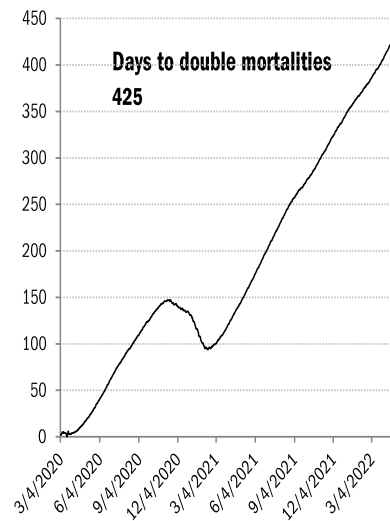
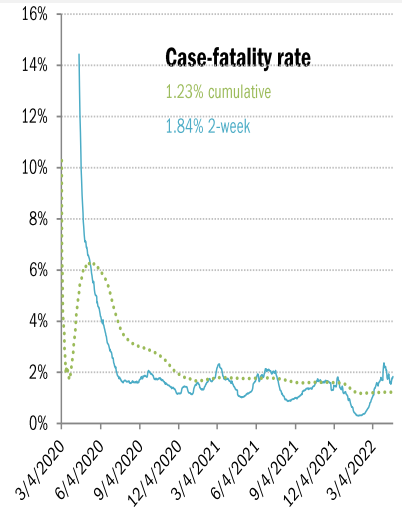
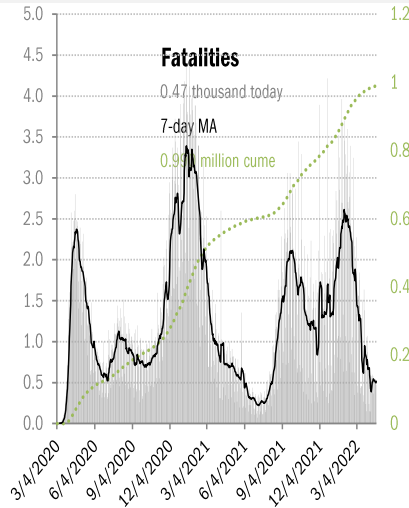
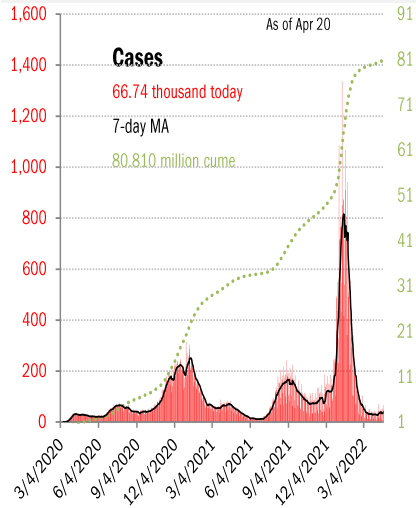
The demographics of US vaccination



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

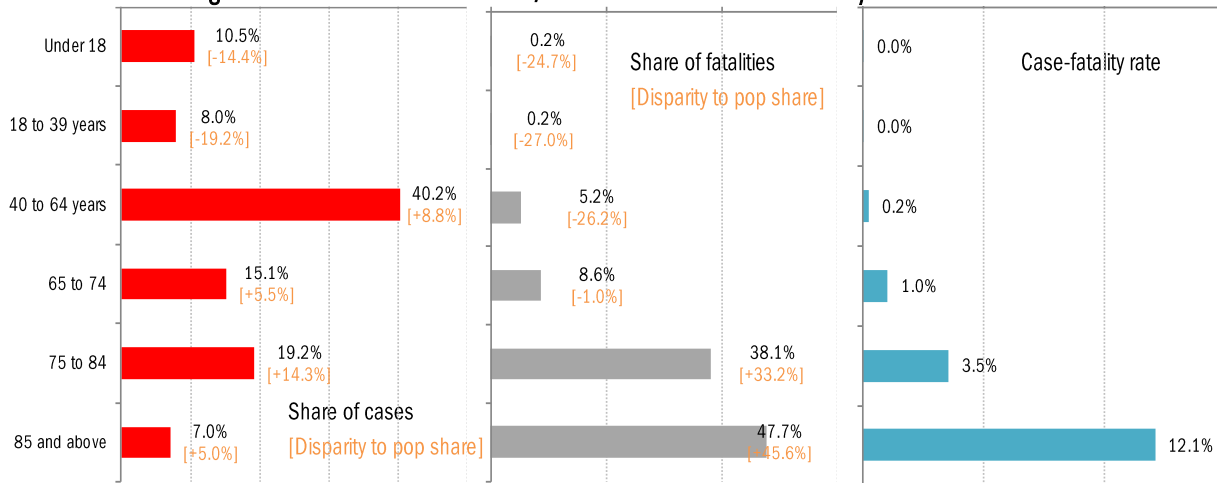
US deep-dive

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

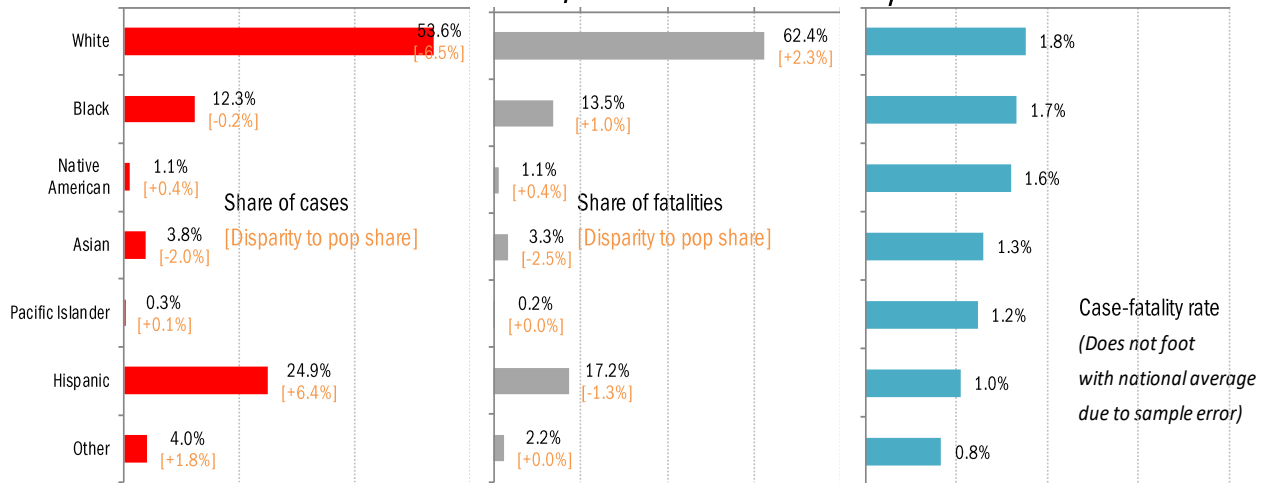


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

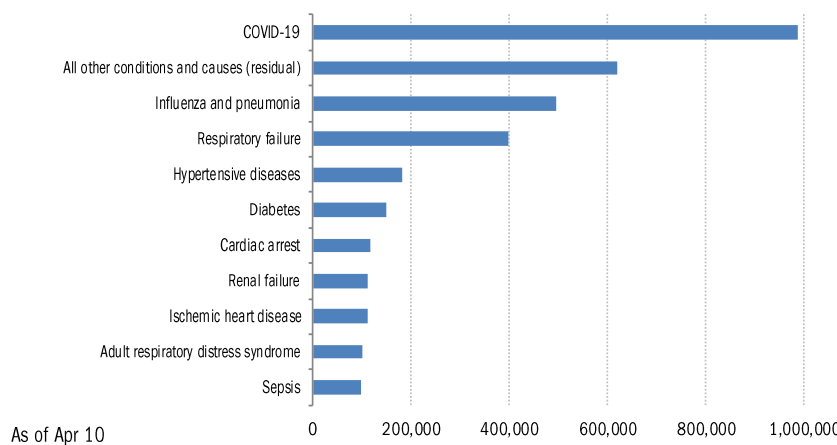


Racial distribution of US cases, fatalities and case-fatality rates



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

[Biden administration to appeal ruling striking down transit mask mandate](#)

Dan Diamond and Ann E. Marimow
Washington Post
April 20, 2022

["This Shouldn't Happen": Inside the Virus-Hunting Nonprofit at the Center of the Lab-Leak Controversy](#)

Katherine Eban
Vanity Fair
March 31, 2022

[A Covid Breath Test Will Make It Easier to Screen Crowds](#)

Lisa Jarvis
Bloomberg
April 19, 2022

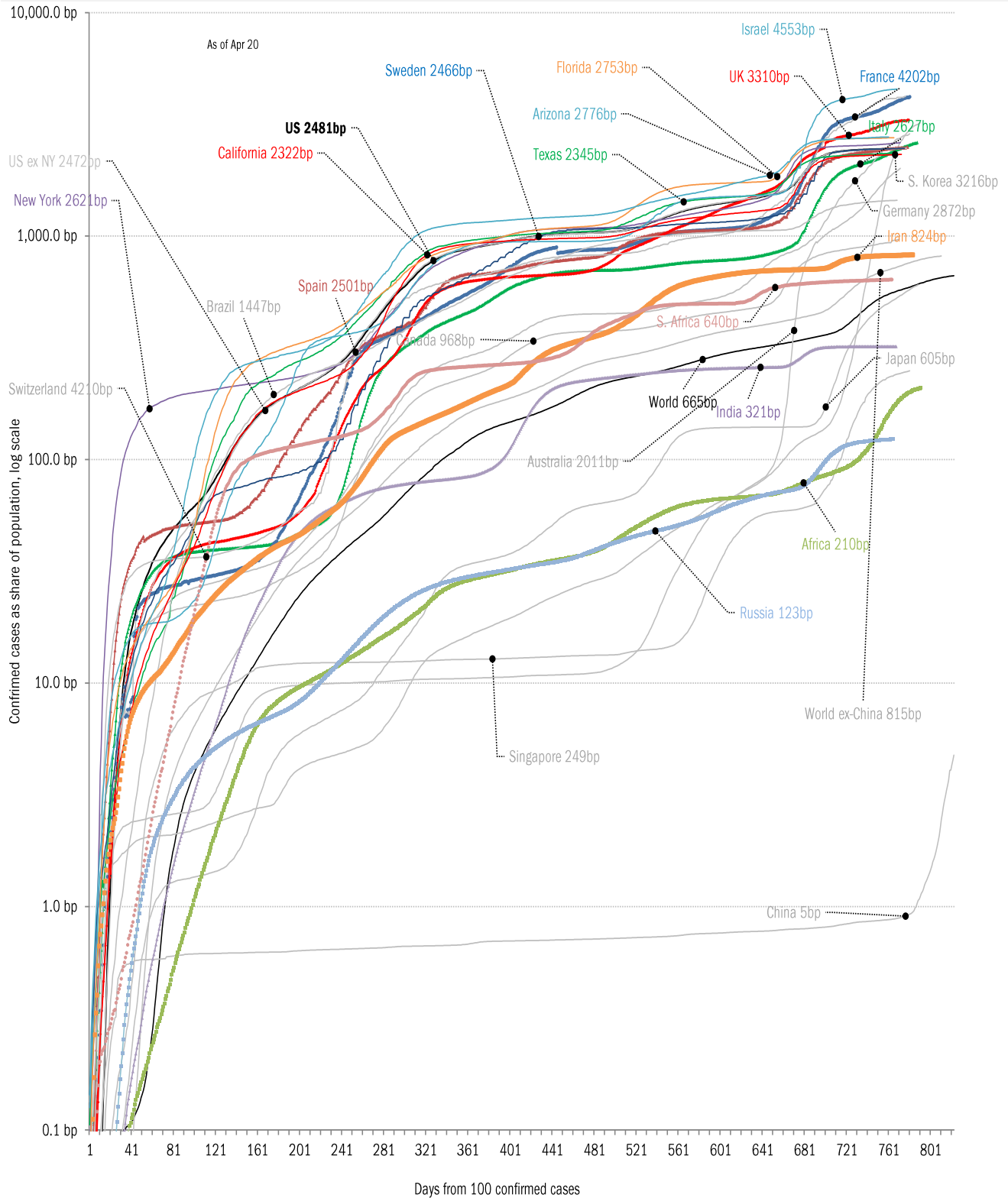
Meme of the day



Poll: 9 Out Of 10 Americans Support Tossing Dr. Fauci In A Volcano

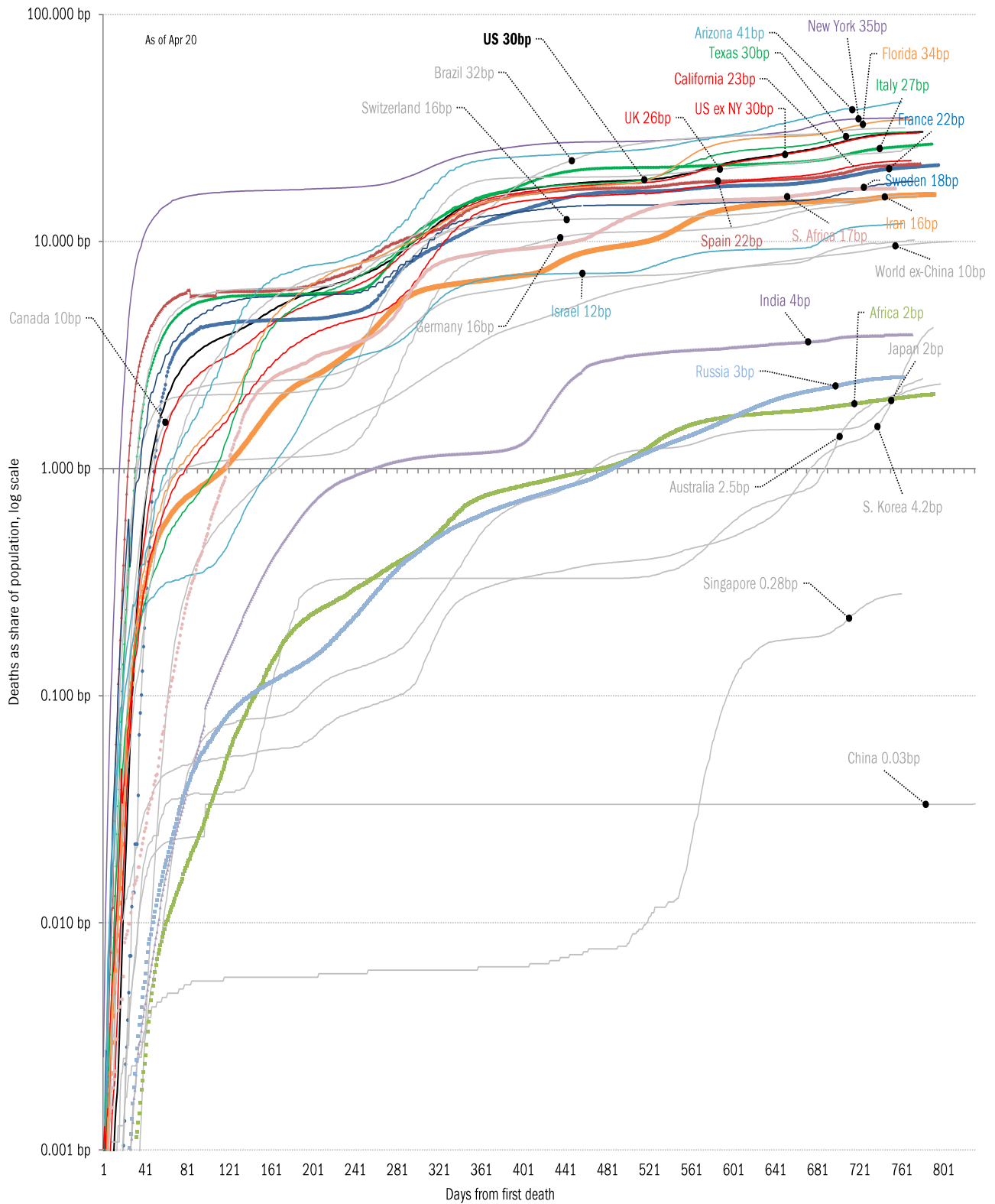
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

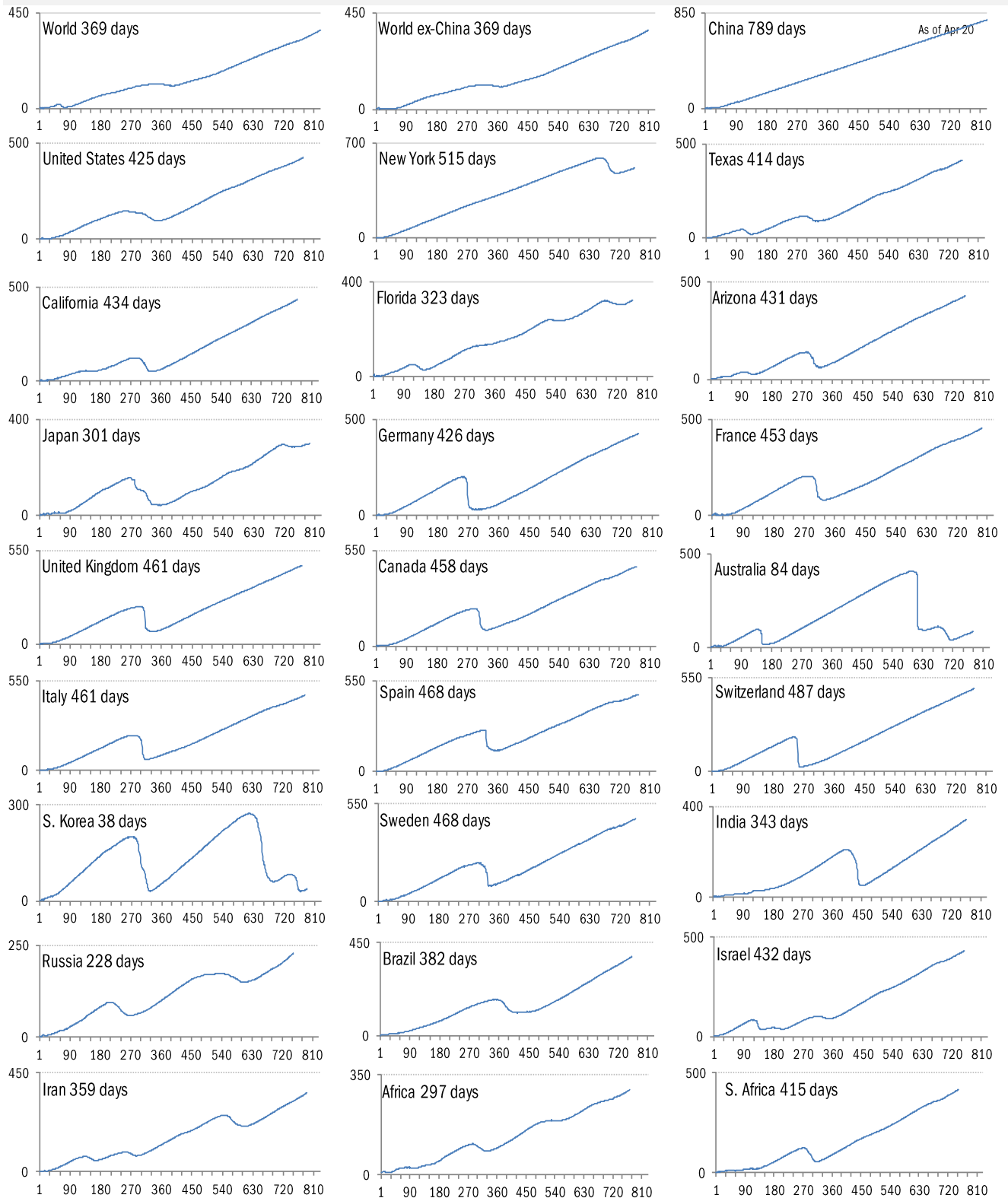


Source: [Johns Hopkins](#), TrendMacro calculations

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

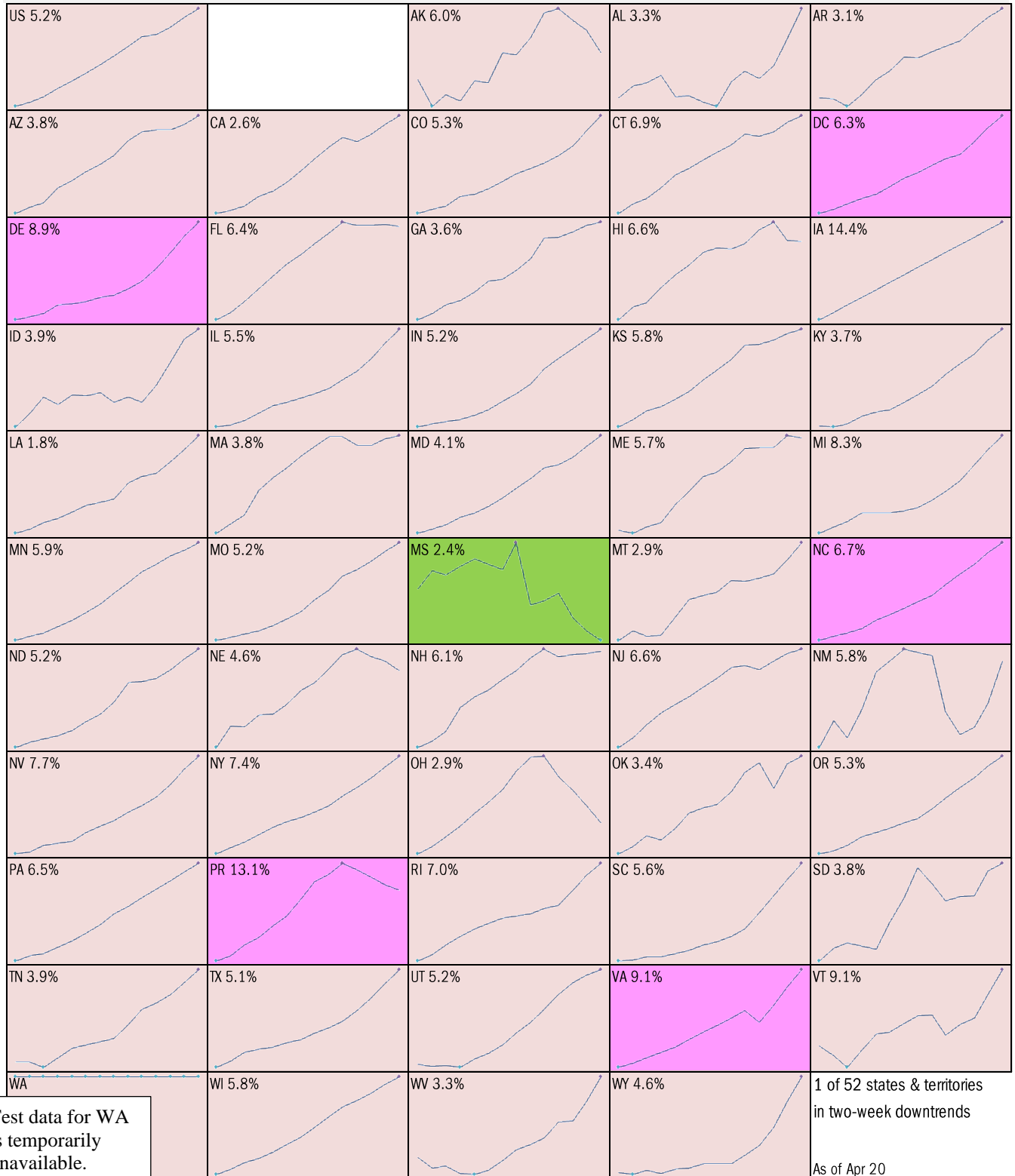


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

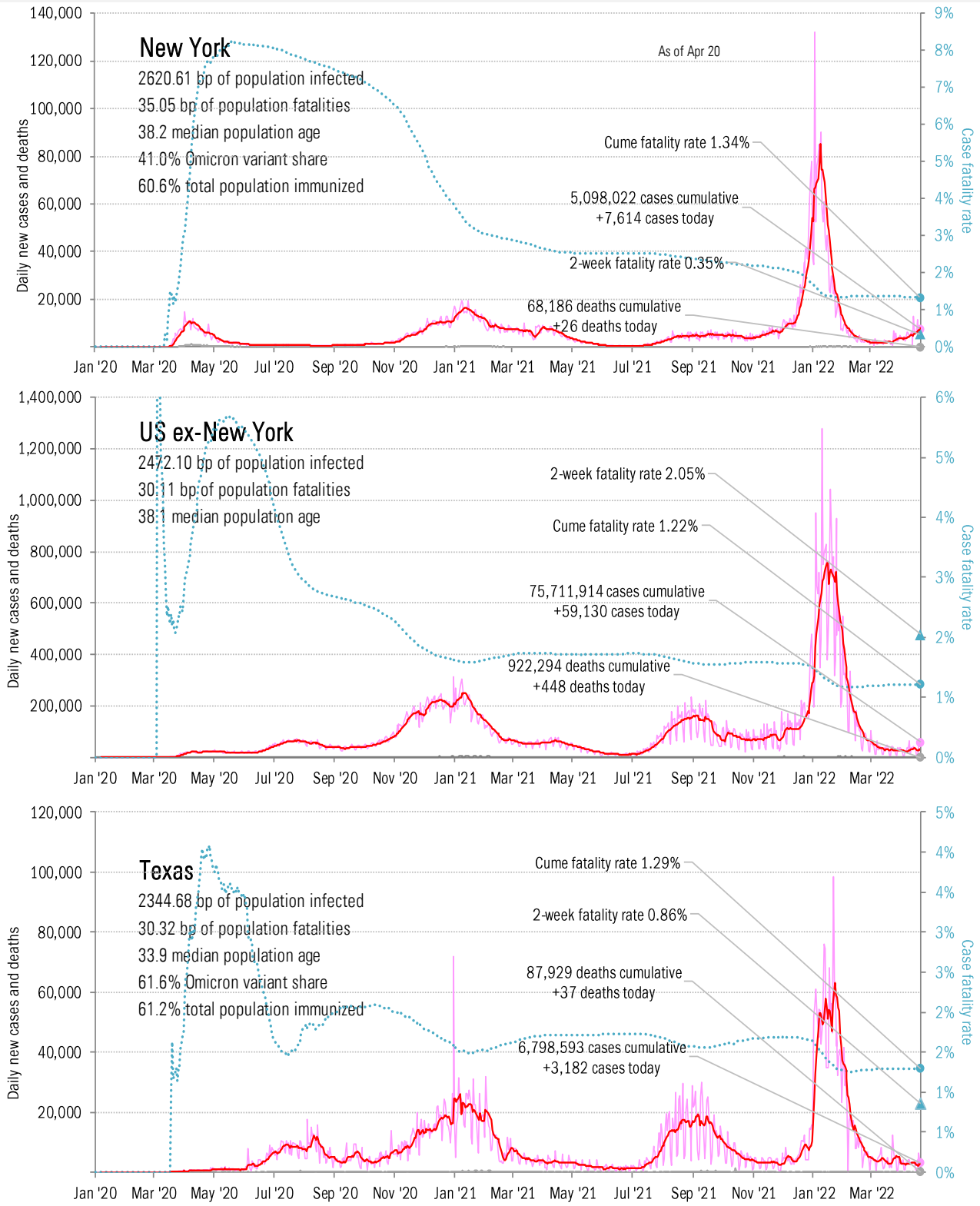


Test data for WA is temporarily unavailable.

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

From Ground Zero to the Rio Grande

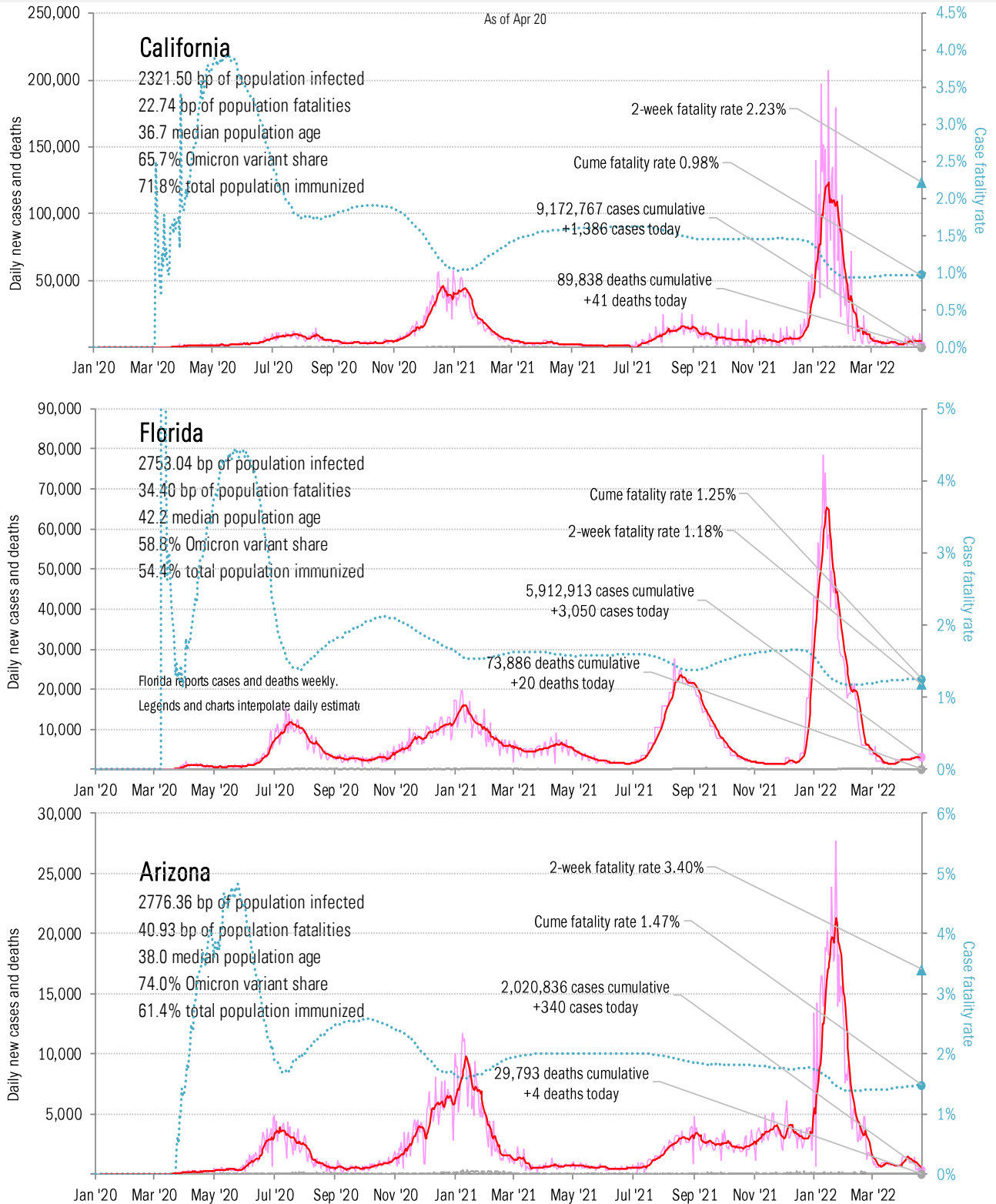
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

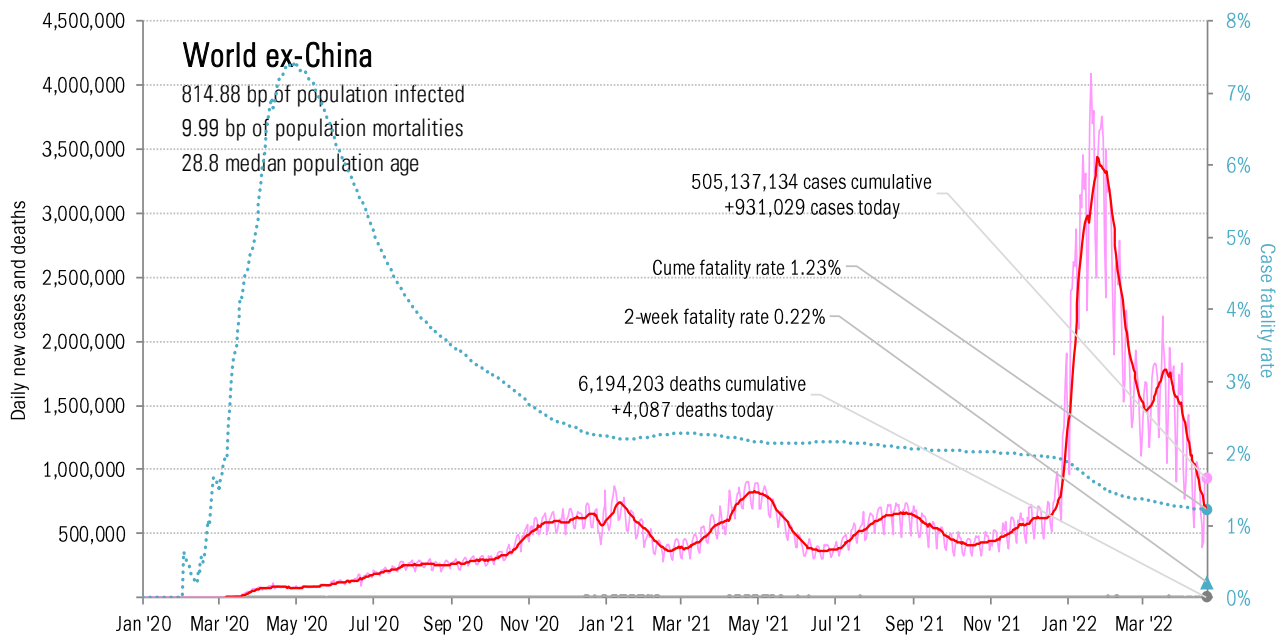
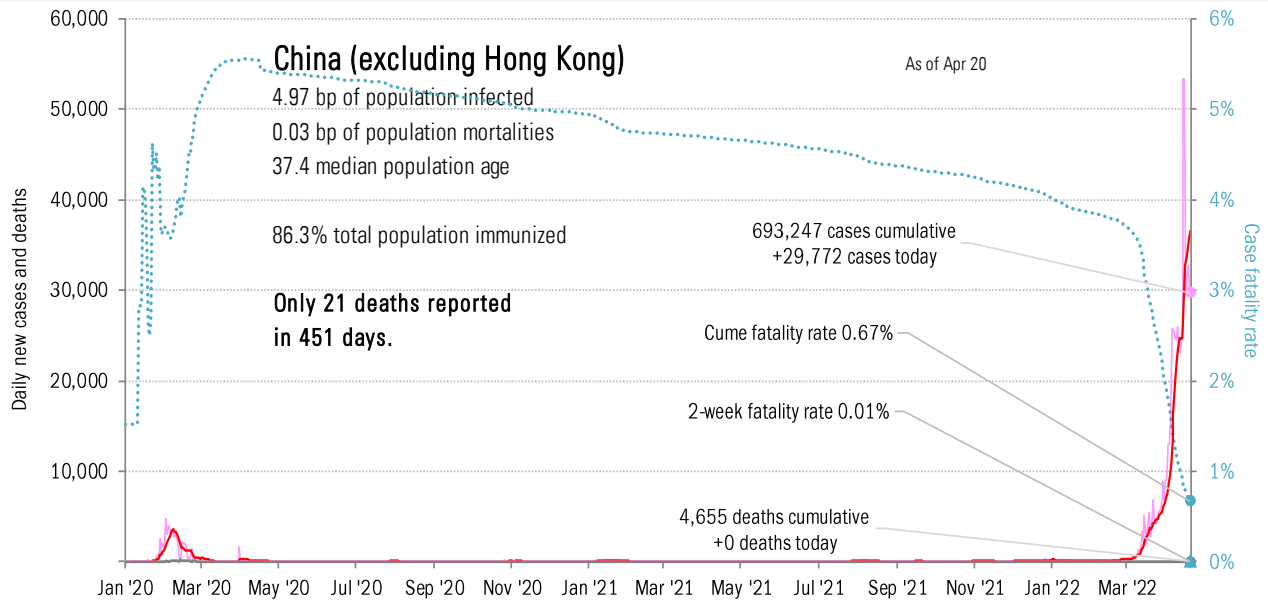
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

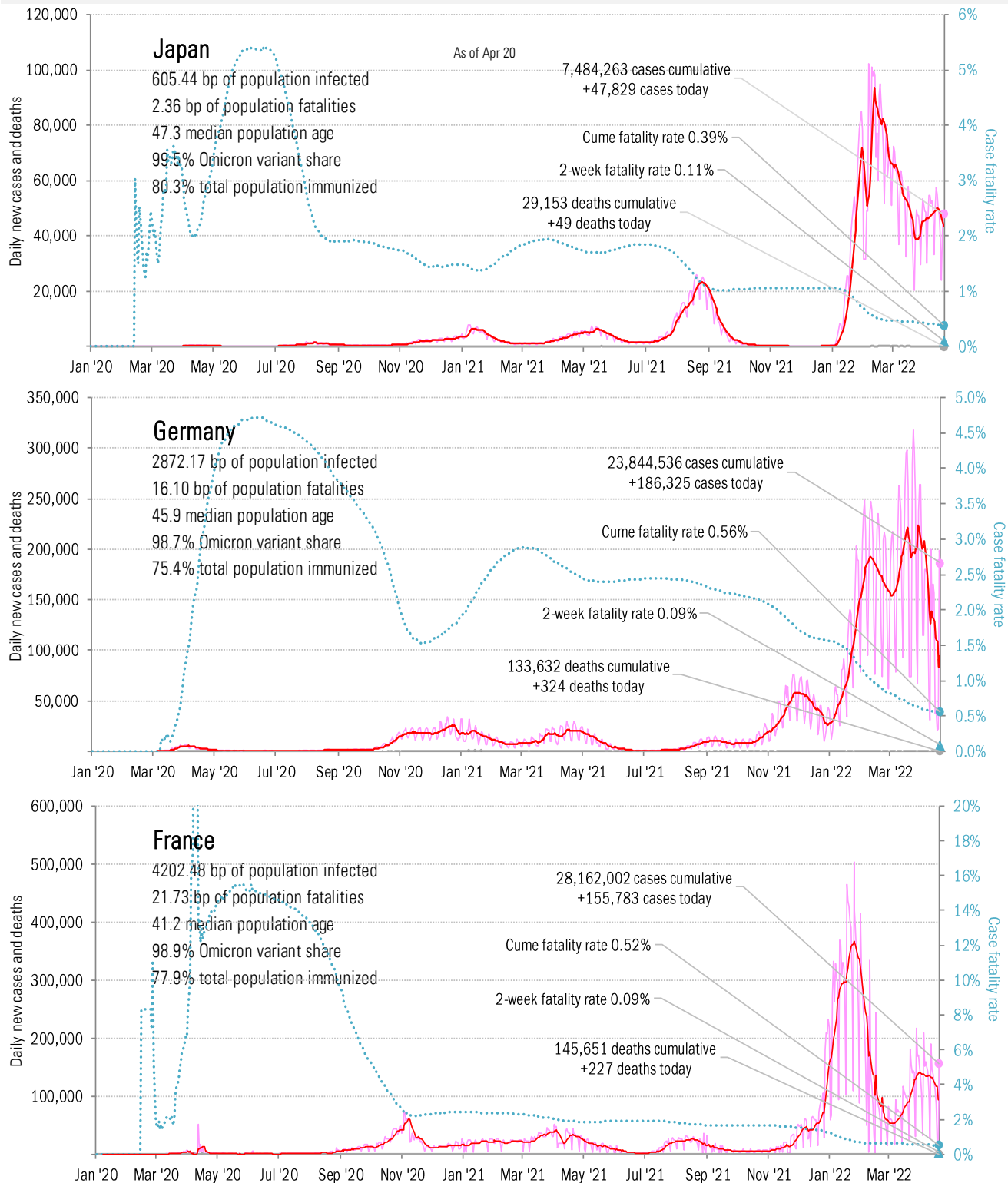
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

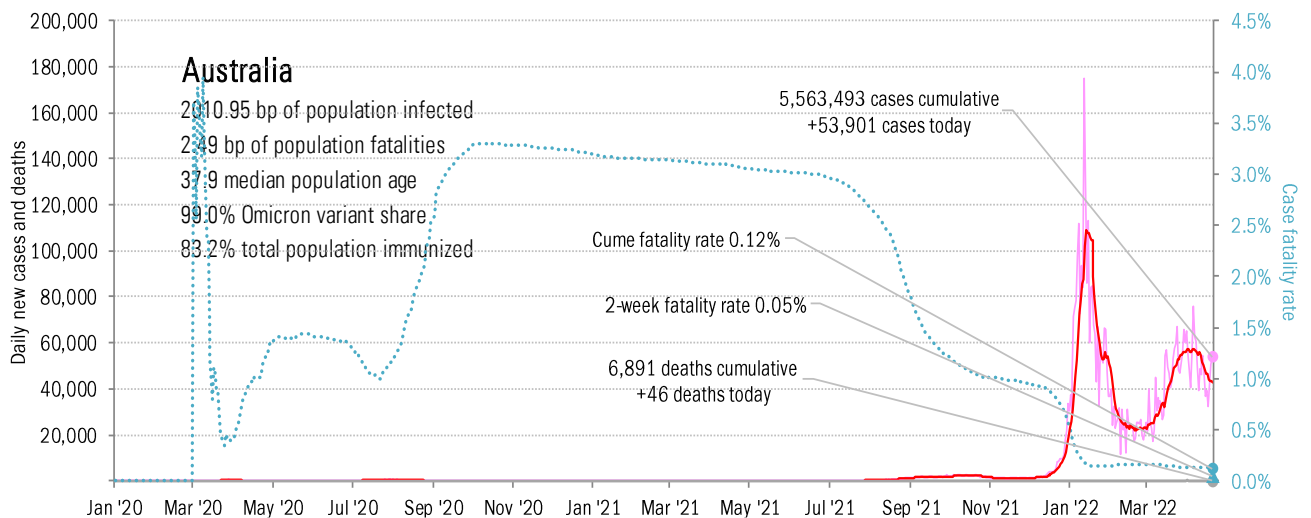
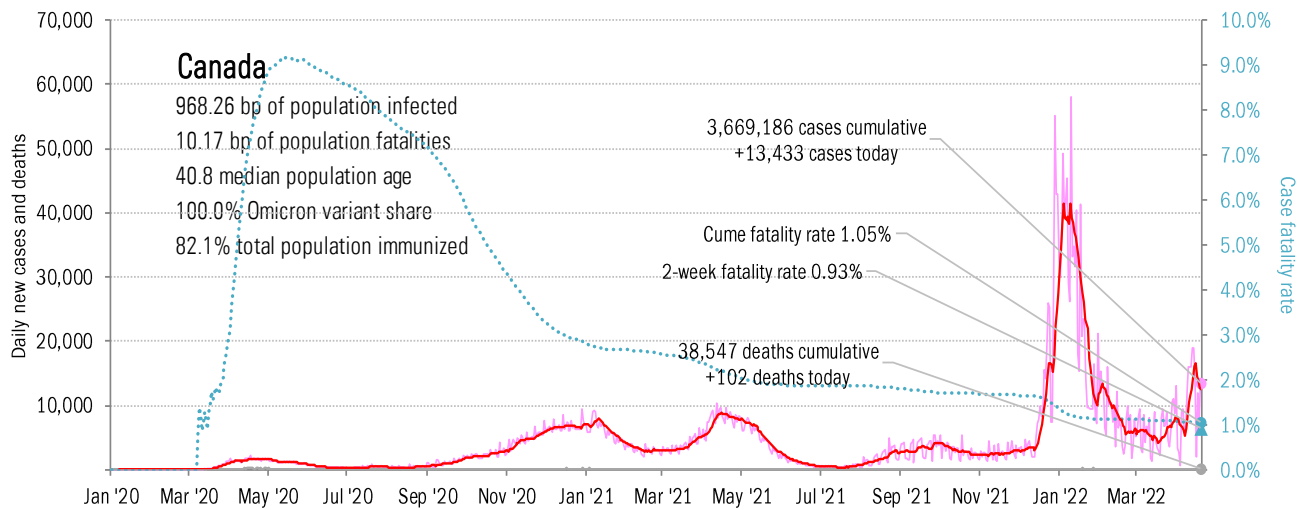
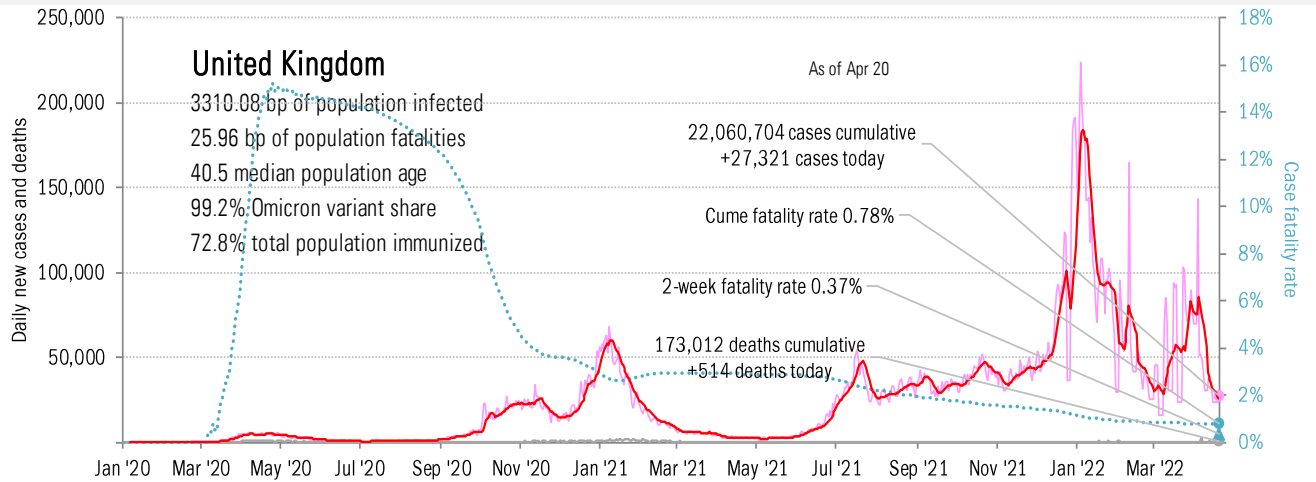
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

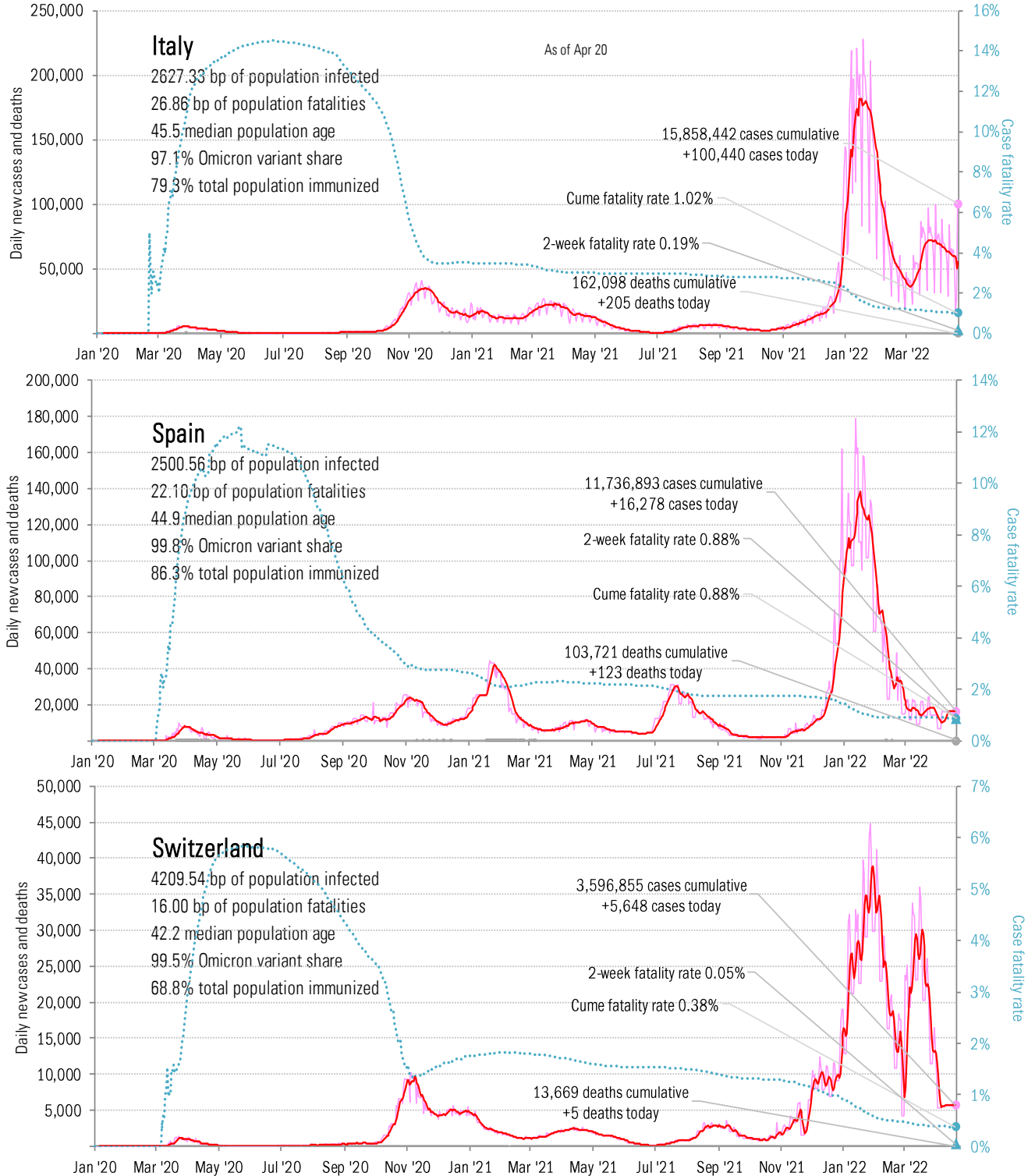
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

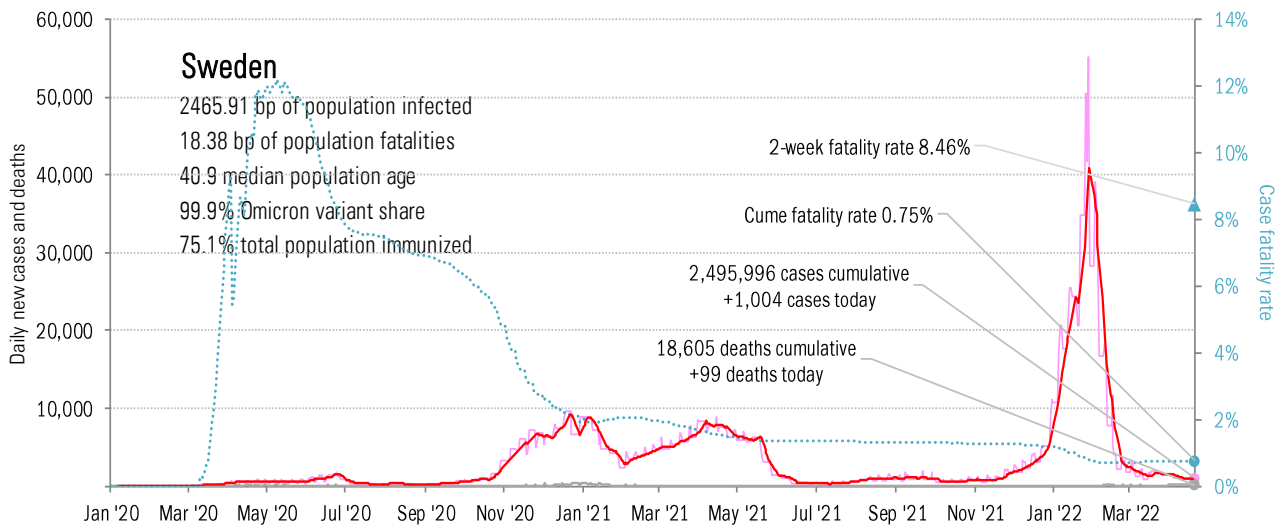
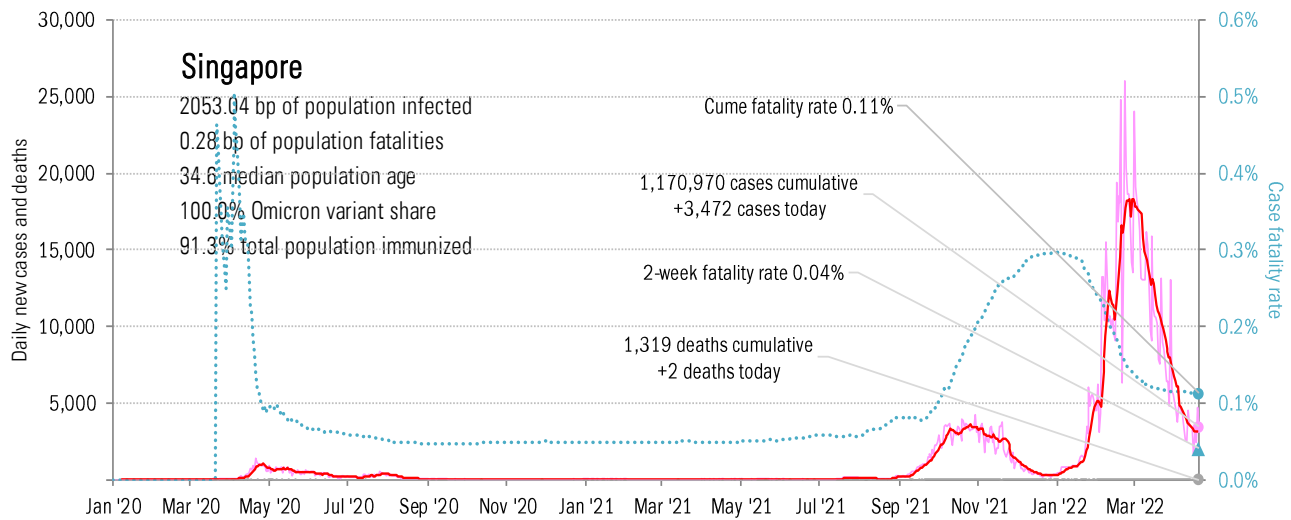
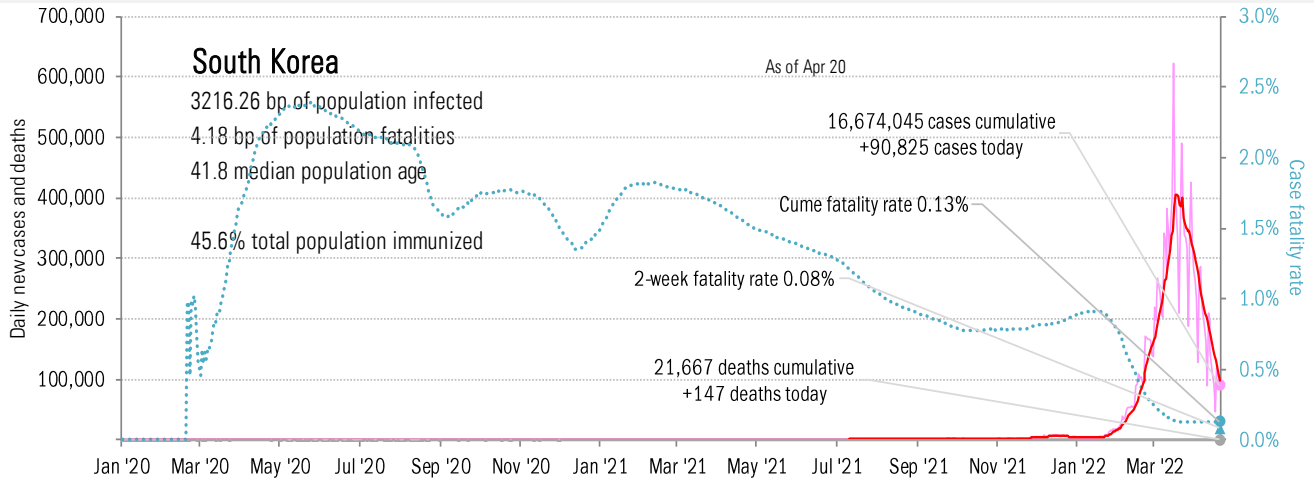
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

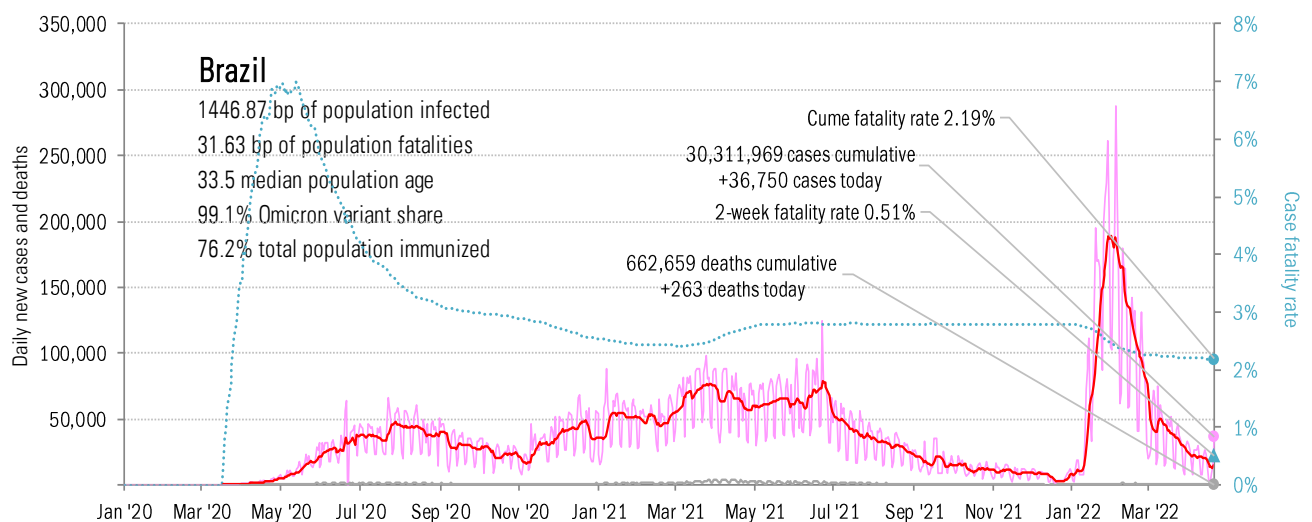
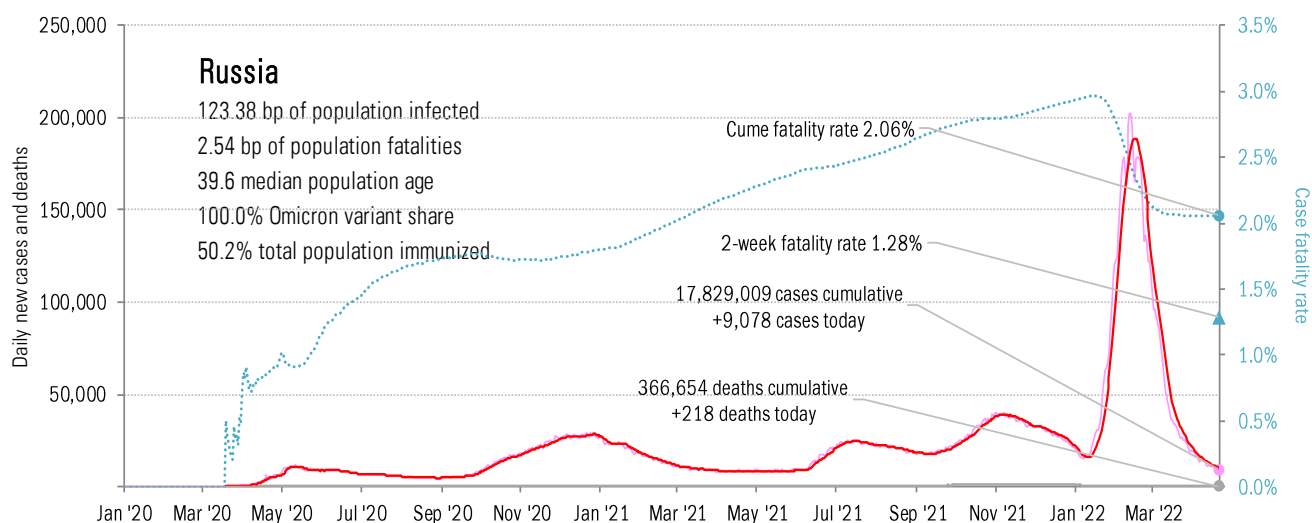
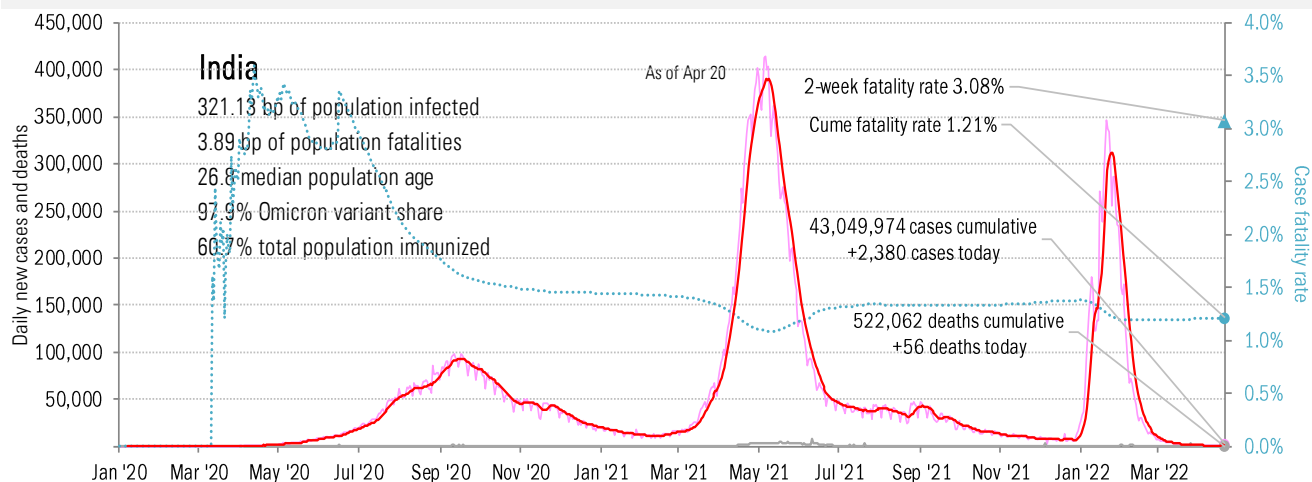
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

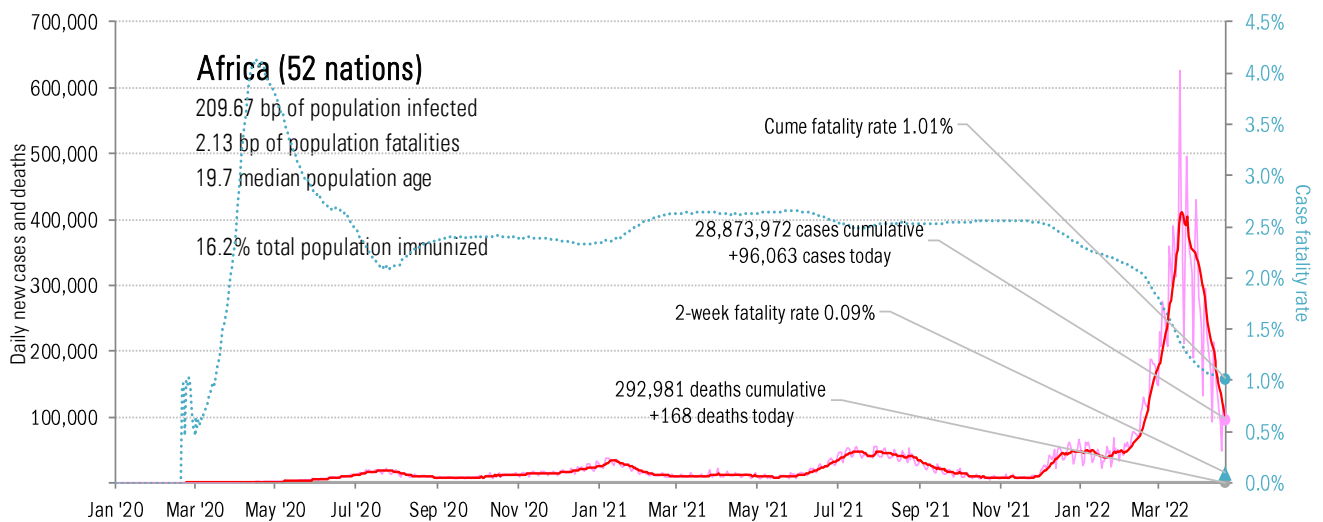
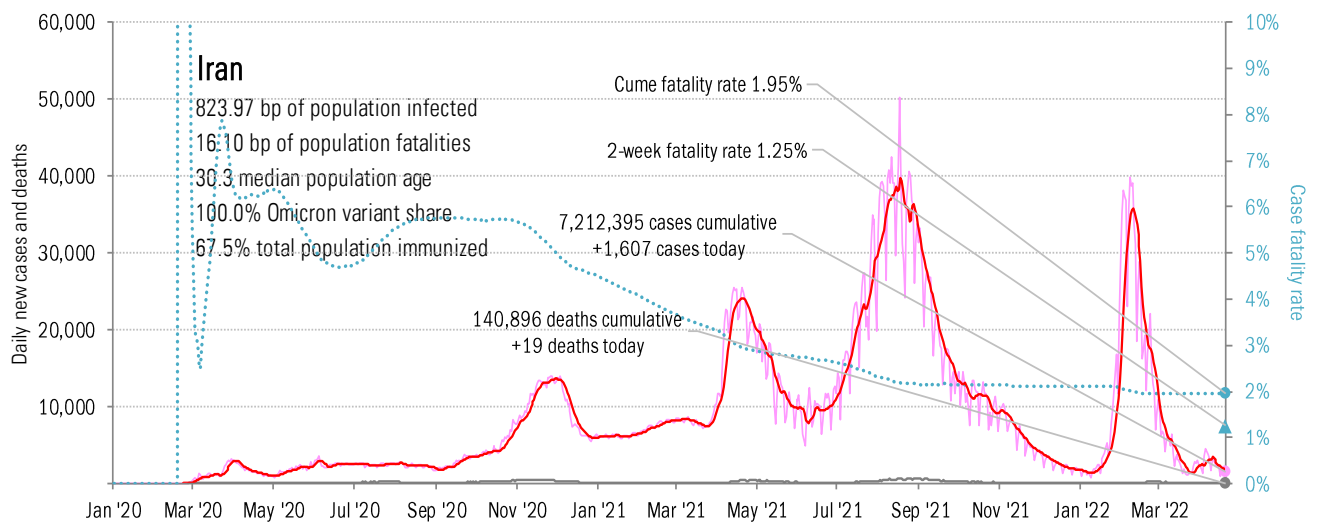
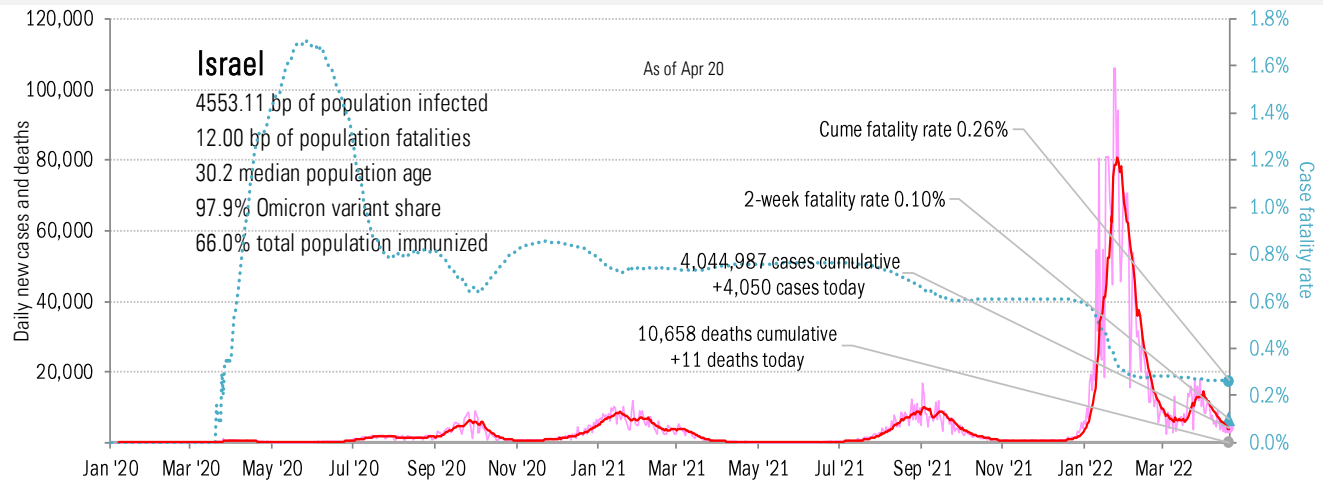
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

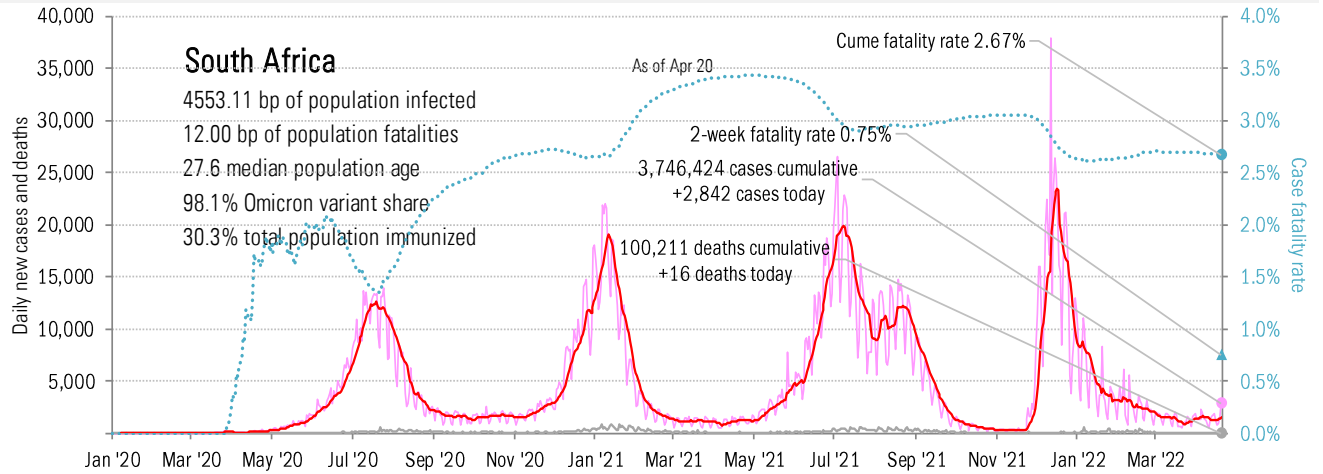
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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