

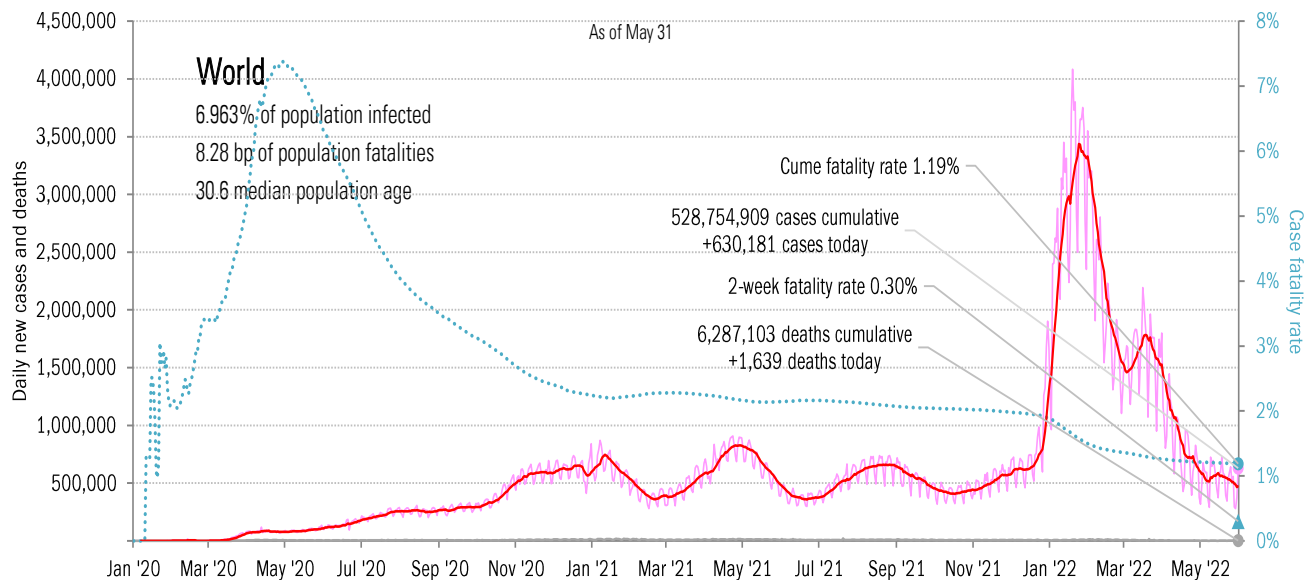
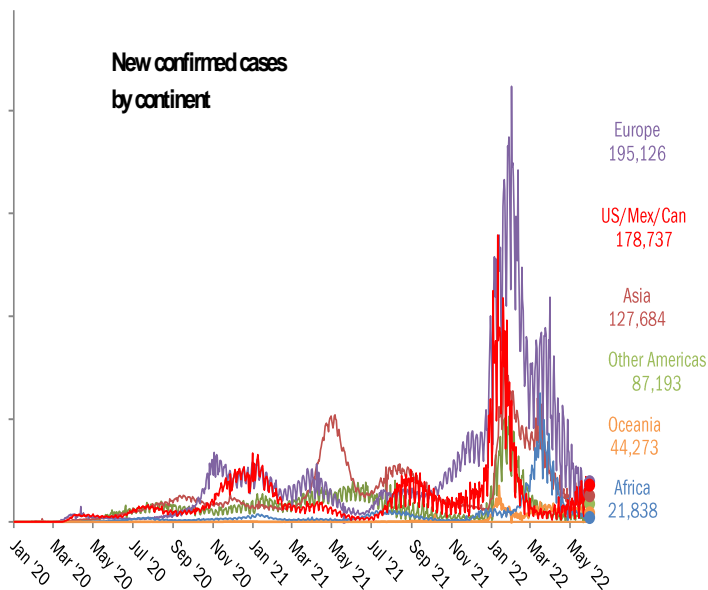
Data Insights: Covid-2019 Monitor

Wednesday, June 1, 2022

The global scorecard

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

The worst ten countries			
New cases		New Deaths	
United States	173,730	United States	446
Taiwan*	80,628	Brazil	160
Germany	54,957	United Kingdom	110
Portugal	50,918	Portugal	101
Brazil	41,377	Germany	91
Australia	35,713	Taiwan*	90
France	35,348	Russia	86
Italy	24,687	France	76
Japan	21,804	Italy	66
Korea, South	15,777	Japan	39
534,939		1,265	
World	630,181	World	1,639
Top ten	85%	Top ten	77%



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

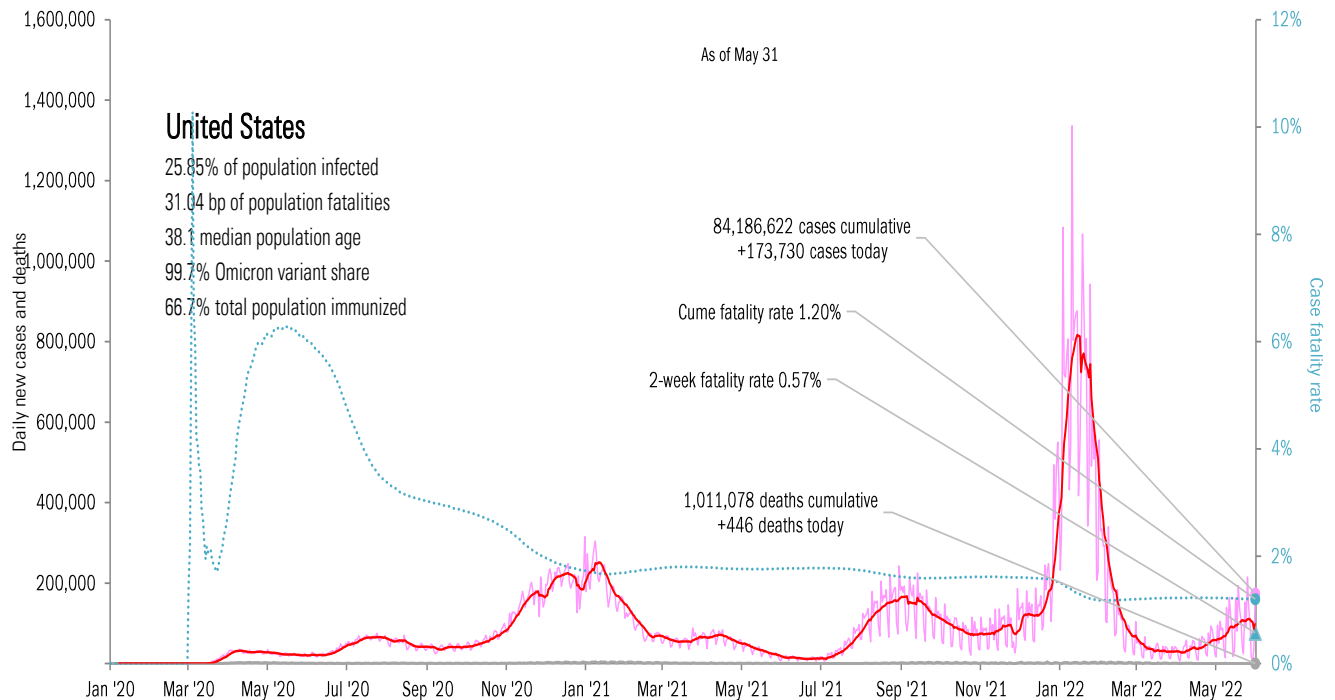
New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	42,896	IL	1,896	TX	193	CA	9,614,222	CA	91,382	TX	494,420	RI	91%	AK	85%						
TX	8,274	MA	20	WI	64	TX	6,946,230	TX	88,364	CA	435,241	MN	85%	DE	83%						
FL	8,274	MA	20	WI	64	FL	6,131,817	FL	74,642	FL	426,075	WA	84%	RI	80%						
MA	7,759	TX	16	MO	59	NY	5,437,811	NY	68,989	NY	262,697	NV	82%	TX	79%						
CO	6,410	NM	13	NE	16	IL	3,302,416	PA	45,147	GA	209,443	MA	81%	WA	79%						
CR	4,645	VA	13	RI	17	PA	2,907,324	CH	38,628	CH	195,542	WV	80%	AL	79%						
CT	2,727	NE	10	HI	23	CH	2,763,123	GA	38,198	PA	182,139	MO	80%	NM	78%						
						NC	2,744,935	IL	38,135	IL	163,233	DE	79%	DC	76%						
						GA	2,556,044	MI	36,357	MI	146,622	AK	79%	MI	76%						
						MI	2,527,831	NJ	33,702	KY	134,185	CT	79%	CR	75%						
141,966			2,122			654			44,931,753			553,544			2,649,597						
All states	173,730		446		3,276	All states	84,186,622		1,011,078		4,811,732	All states	70%		67%						
Top ten	82%		475%		20%	Top ten	53%		55%		55%	Median	73%		69%						

US state case and fatality data distorted today due to holidays.

Some states not reporting

Five most improved US states

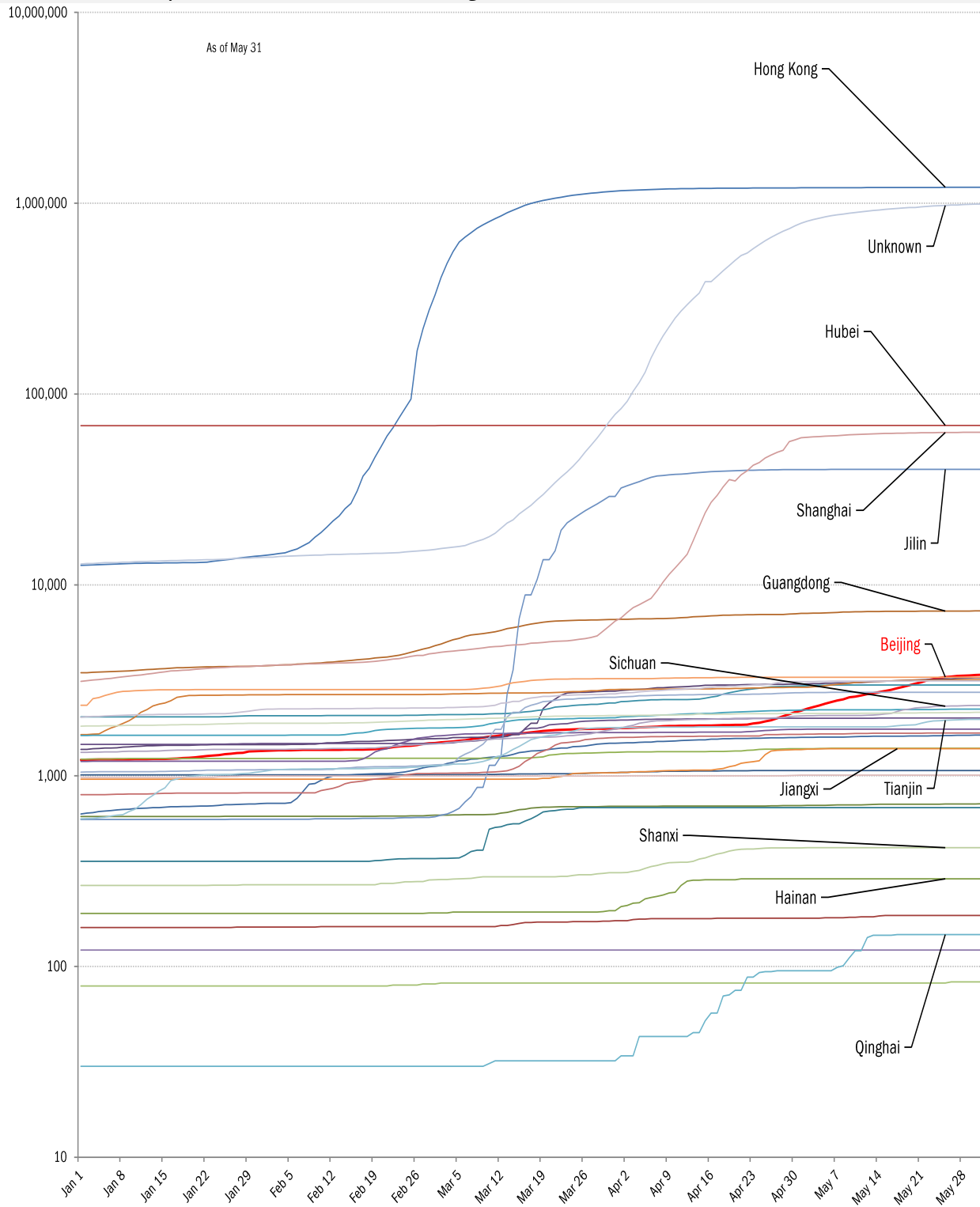
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
WI	-3,895	FL	-127	NY	-127	KY	+10 bp
NJ	-3,796	AR	-9	FL	-117	AK	+0 bp
FR	-1,474	WI	-6	NC	-113	AL	+0 bp
DE	-1,370	AK	0	WA	-63	AR	+0 bp
AZ	-414	AS	0	MA	-40	AS	+0 bp



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

China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

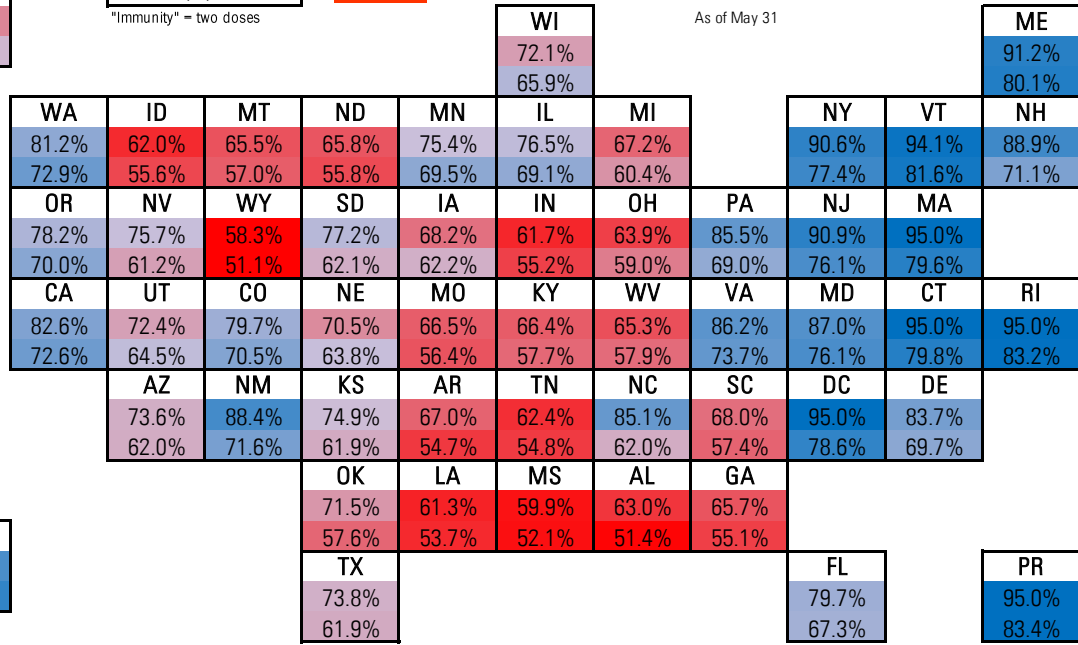
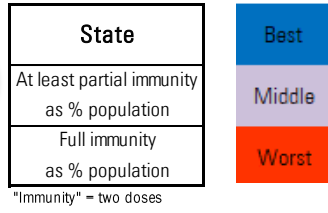
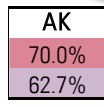
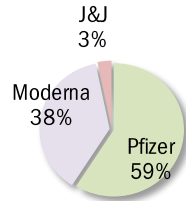
Cumulative reported cases in 2022, log scale: flat line indicates "zero Covid"



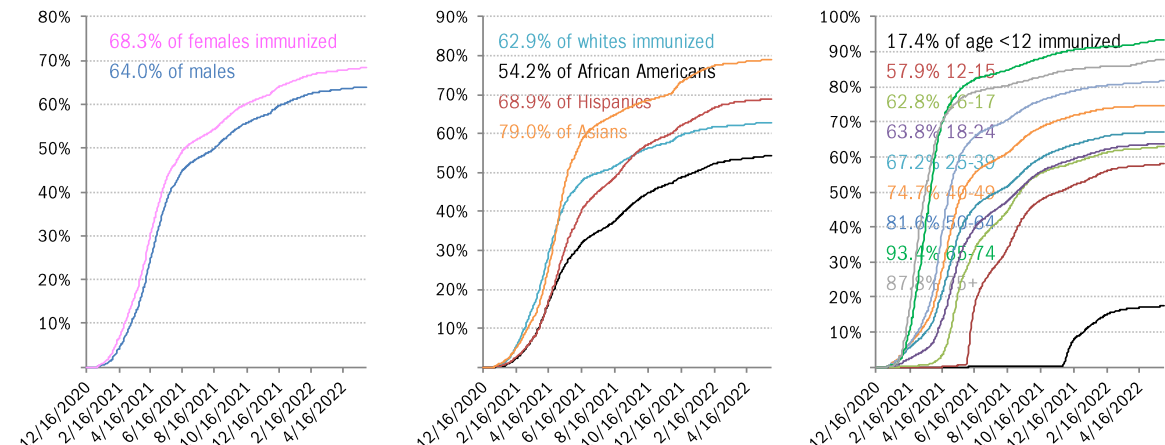
Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	602,833,374		+0.217 million	US	66.7%	77.9%
Boosters	44,987,081		+0.014 million	UK	73.2%	78.4%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	266,426,987	80%	227,624,351	68%	+0.026 million	France 78.3% 80.7%
Age 12 to 17	17,800,316	70%	15,247,773	60%	+0.002 million	Spain 86.6% 88.2%
Age 18 to 64	178,987,915	88%	152,256,073	75%	+0.013 million	Germany 76.9% 76.9%
Age 65 and over	59,153,751	100%	51,644,630	94%	+0.007 million	Italy 79.4% 84.1%
						Australia 83.8% 86.6%
						Israel 66.1% 72.2%
						Canada 82.5% 86.8%
						Japan 81.0% 82.2%
						Africa 17.3% 22.6%
						India 63.8% 72.6%
						Brazil 77.6% 85.9%
						China 87.0% 89.3%



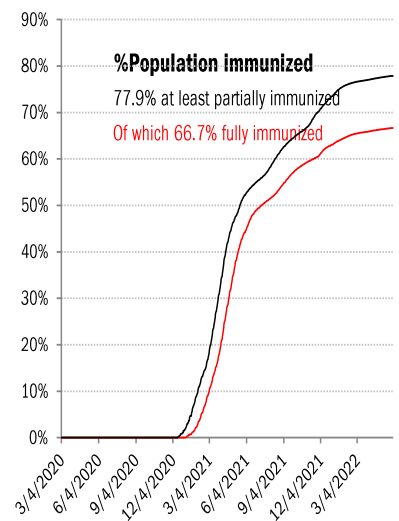
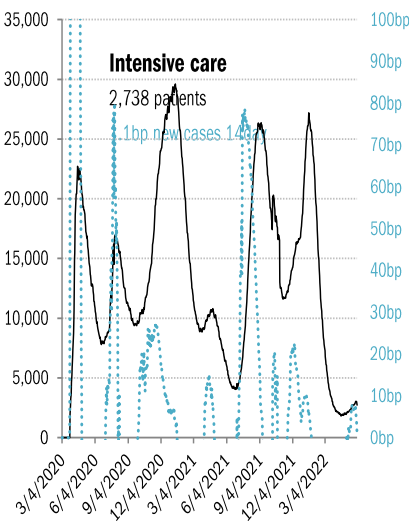
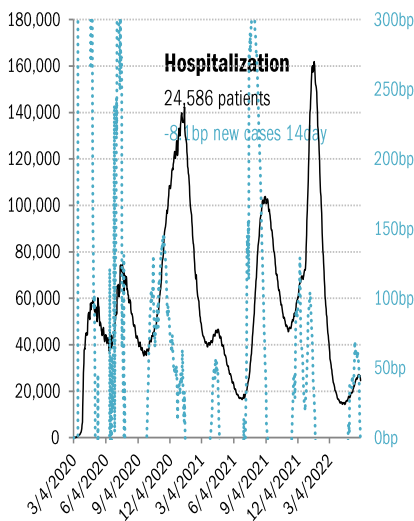
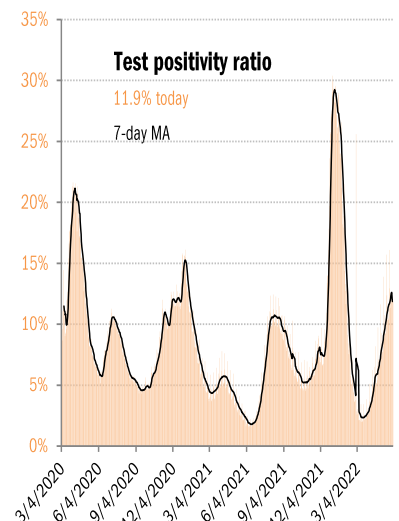
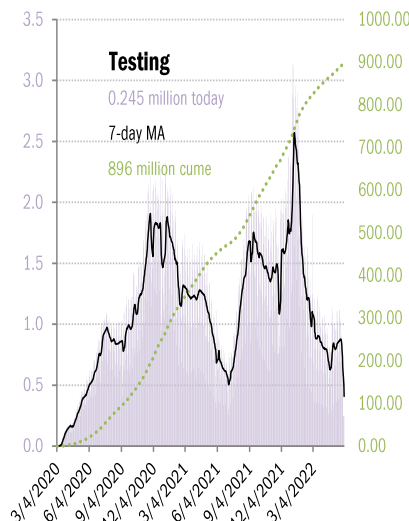
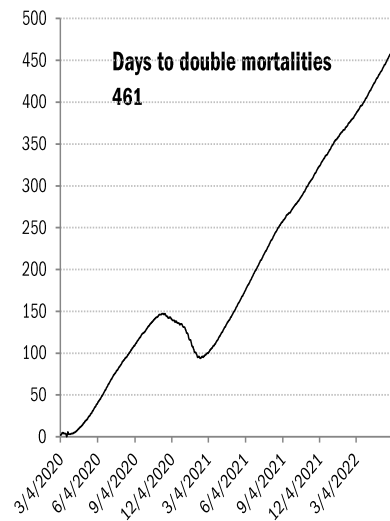
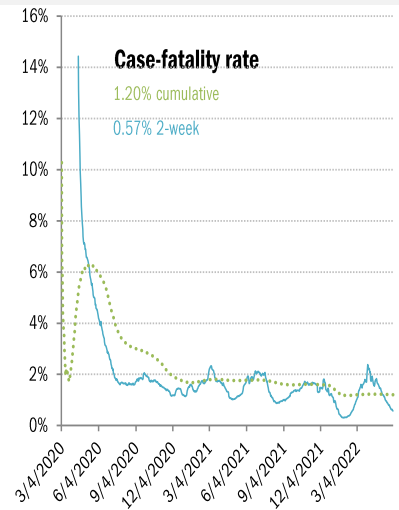
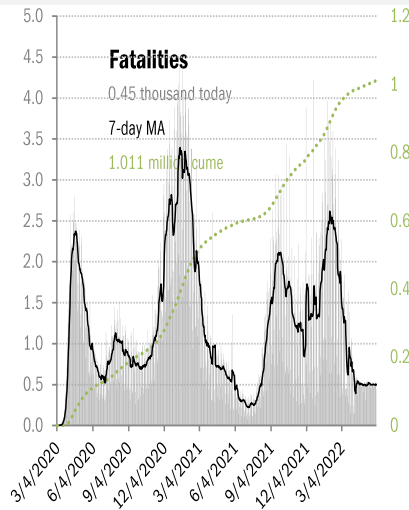
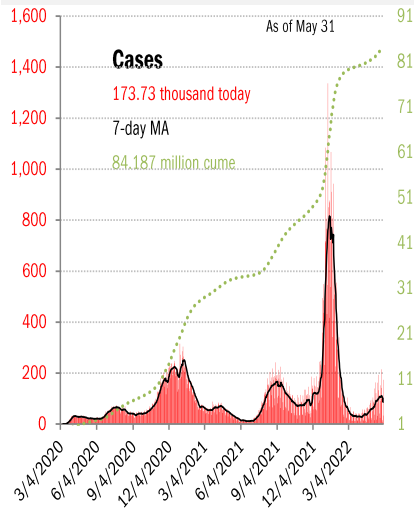
The demographics of US vaccination



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

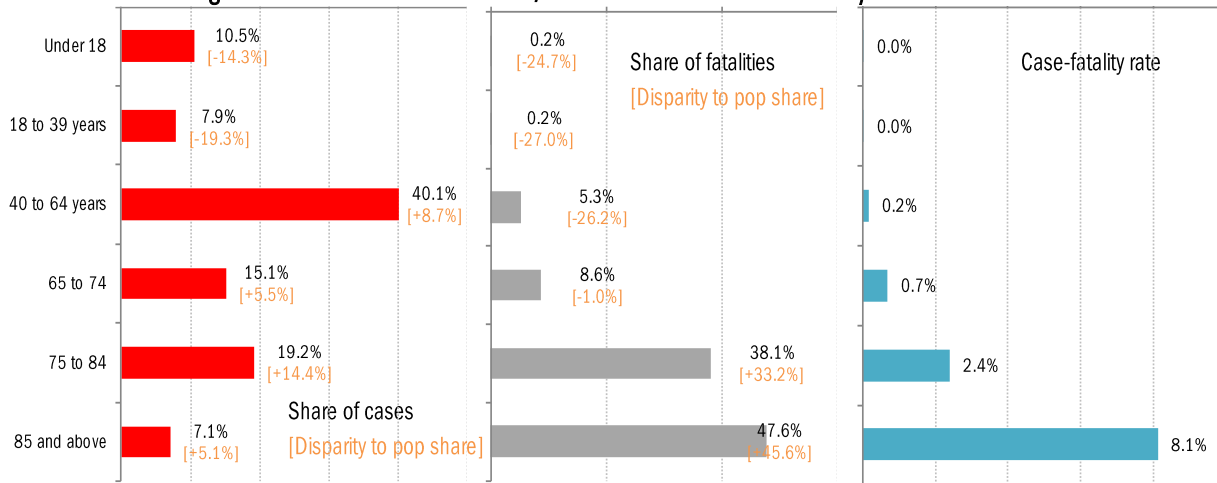
US deep-dive

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

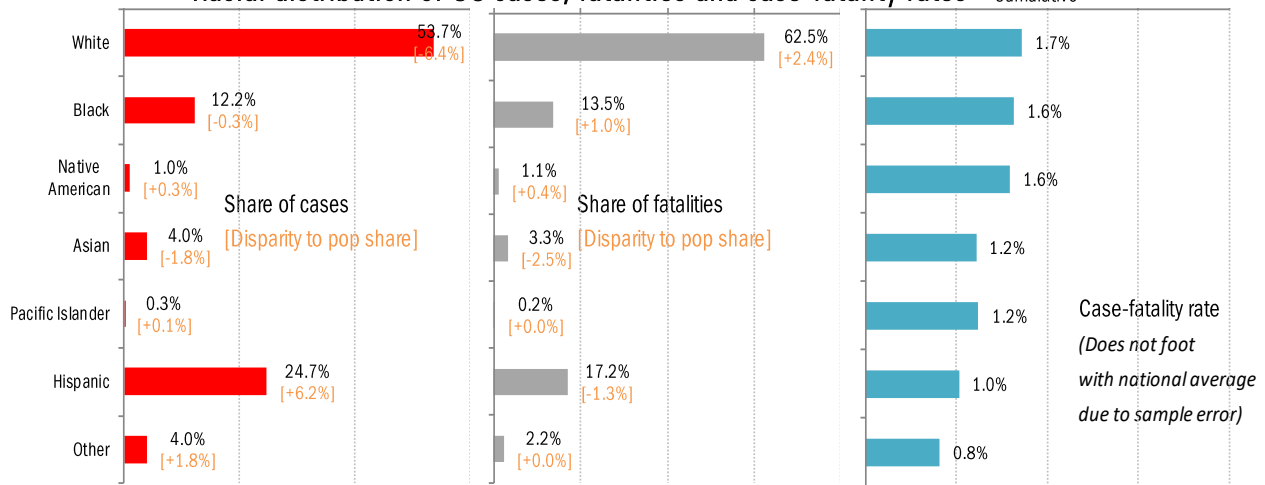


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

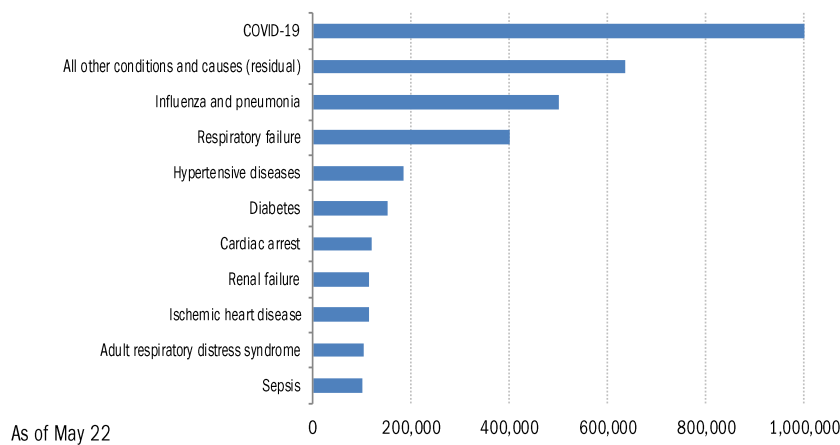


Racial distribution of US cases, fatalities and case-fatality rates



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

[The Harvard connection](#)

Ashley Rindsberg
The Spectator
May 26, 2022

[Long COVID after breakthrough SARS-CoV-2 infection](#)

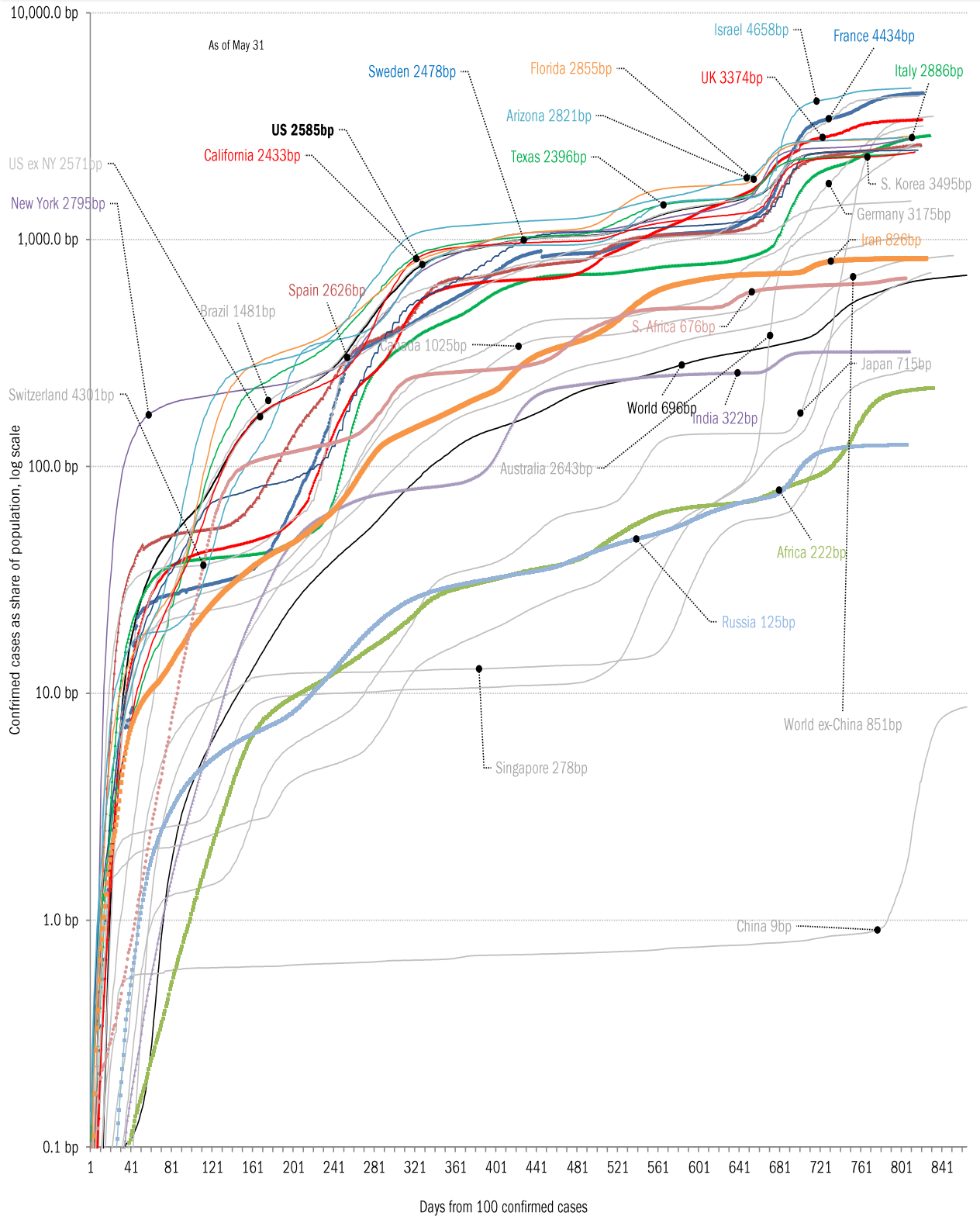
Ziyad Al-Aly et al.
Nature Medicine
May 25, 2022

Meme of the day



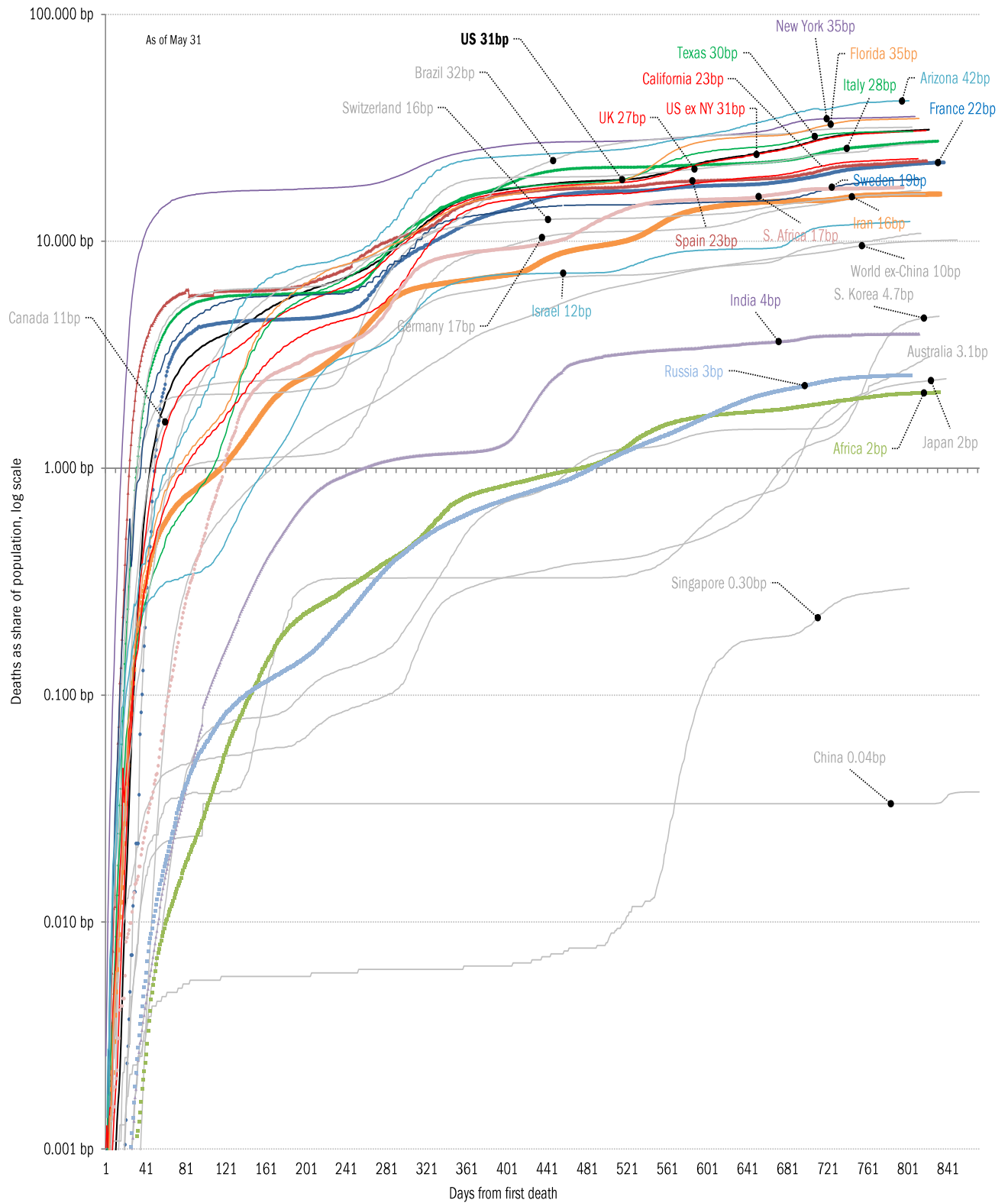
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

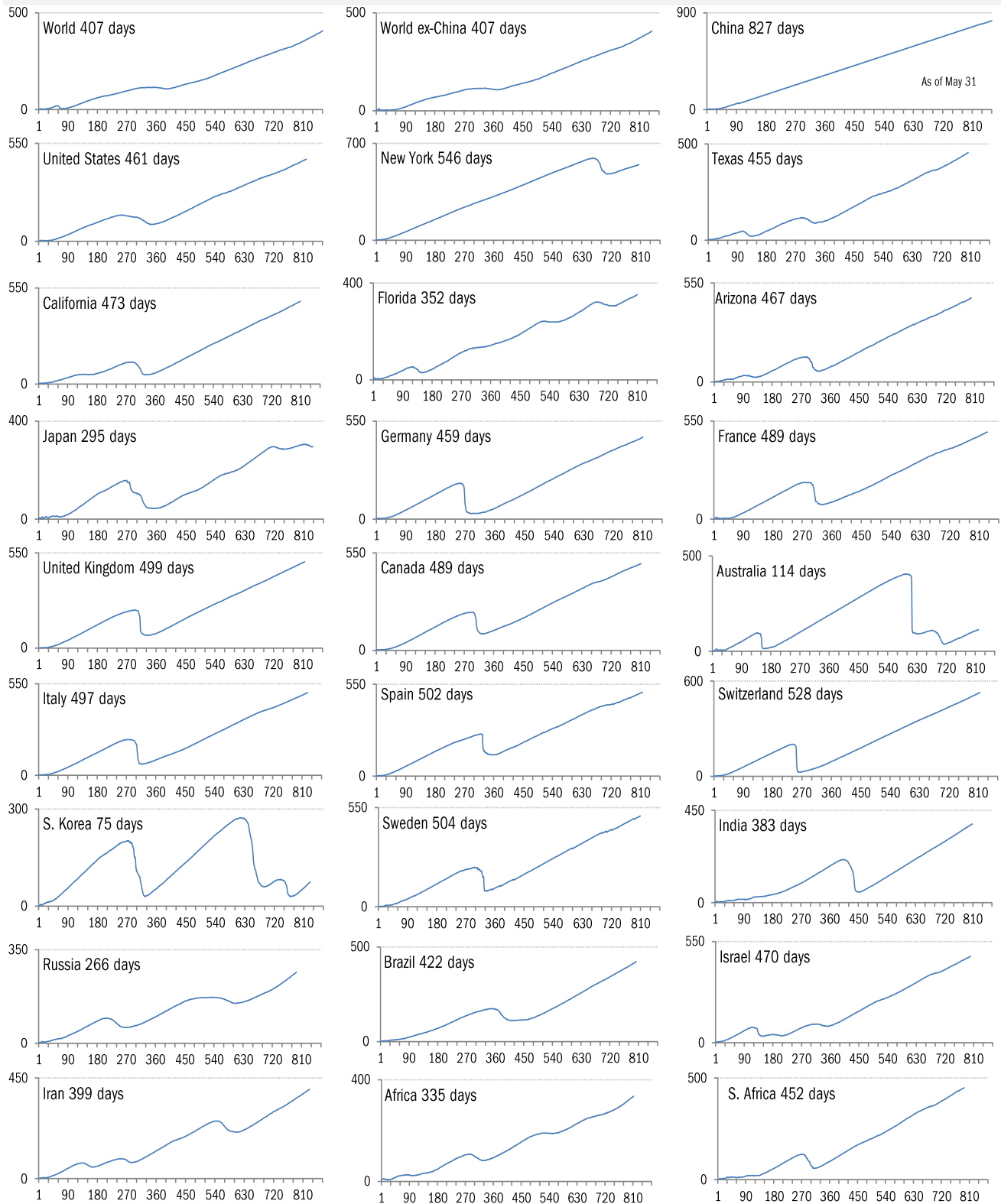


Source: [Johns Hopkins](#), TrendMacro calculations

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

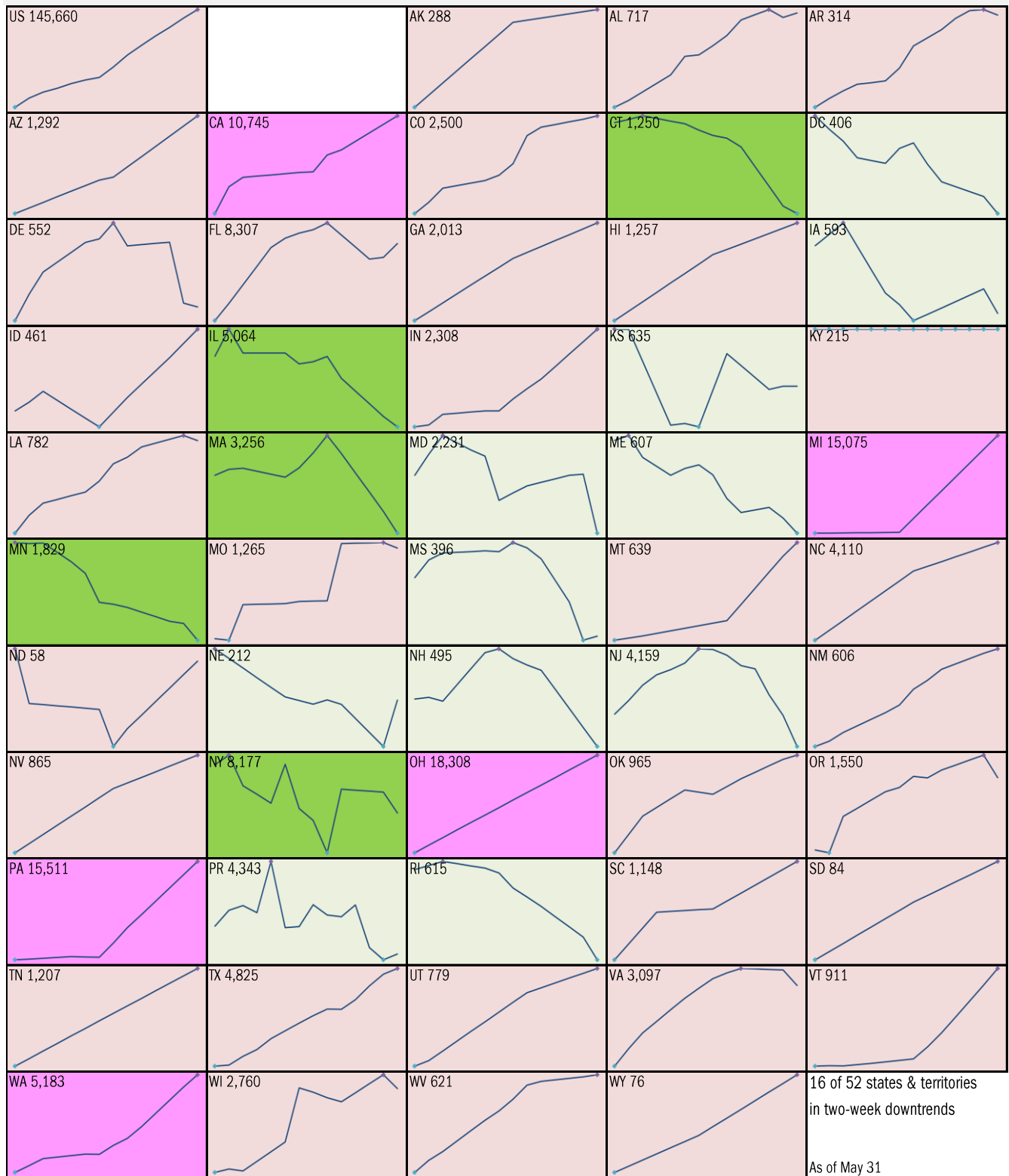


Source: [Johns Hopkins](#), TrendMacro calculations

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

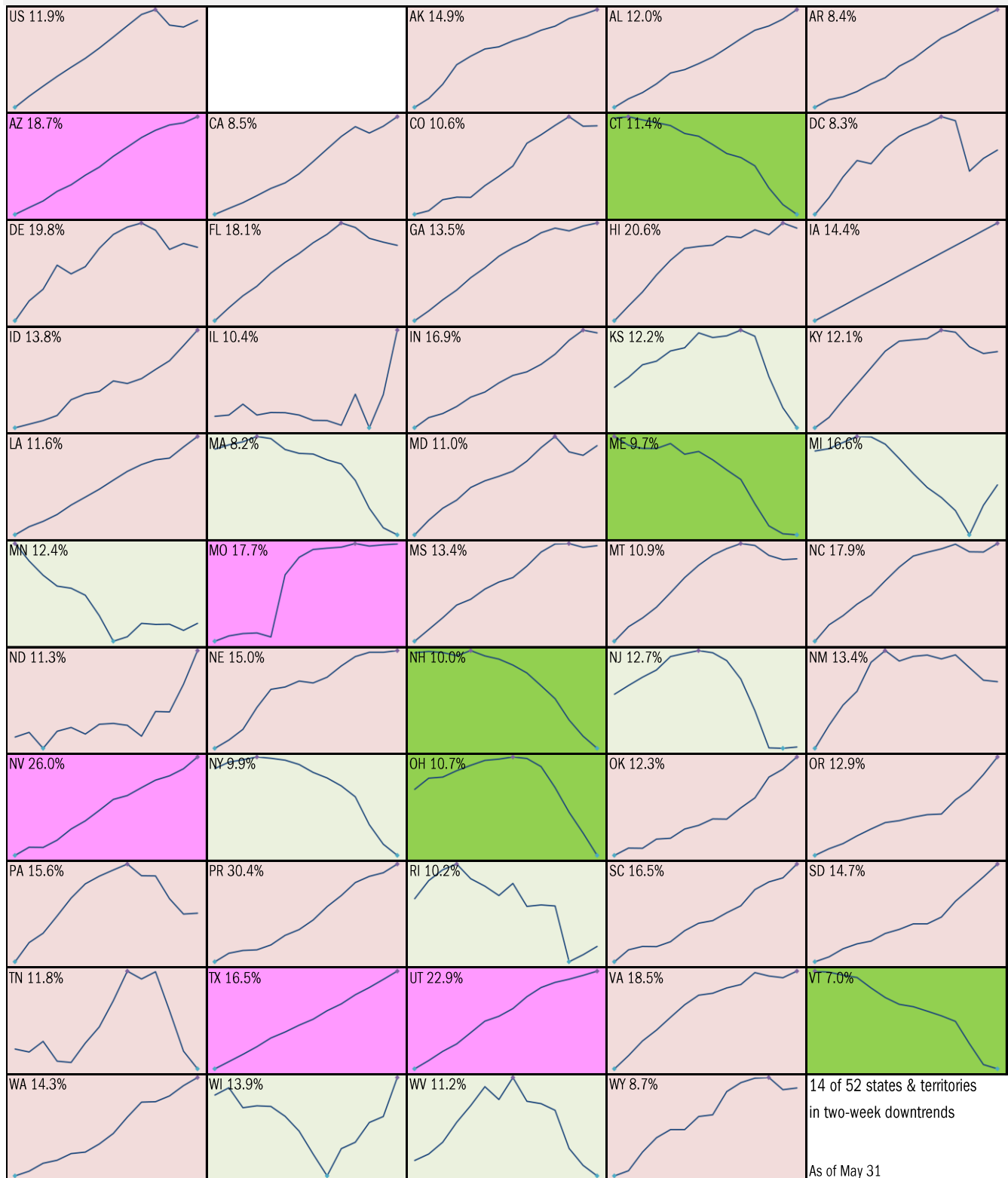


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

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

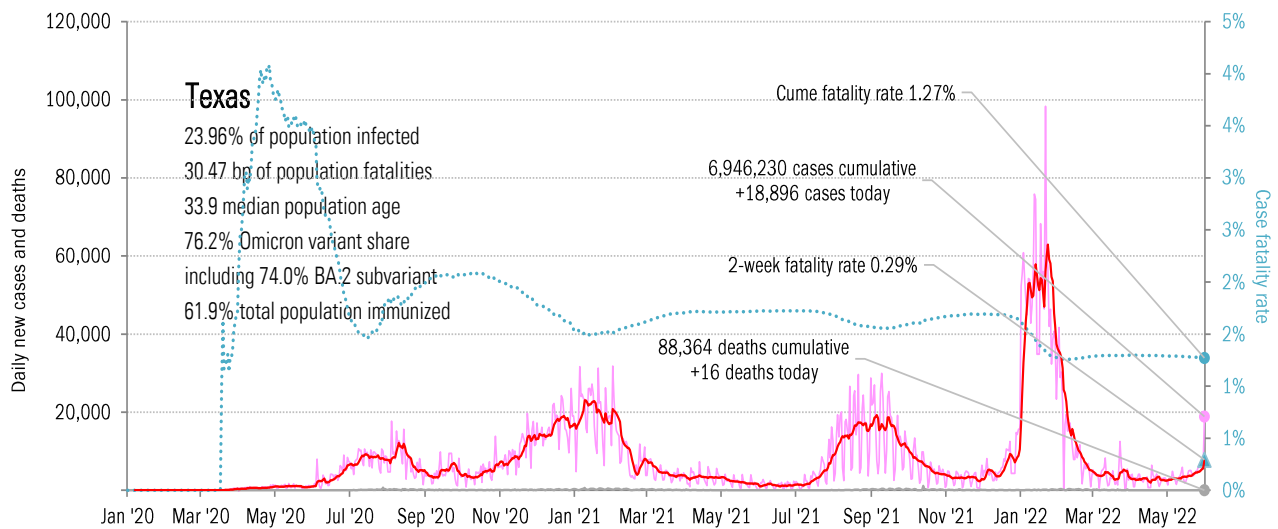
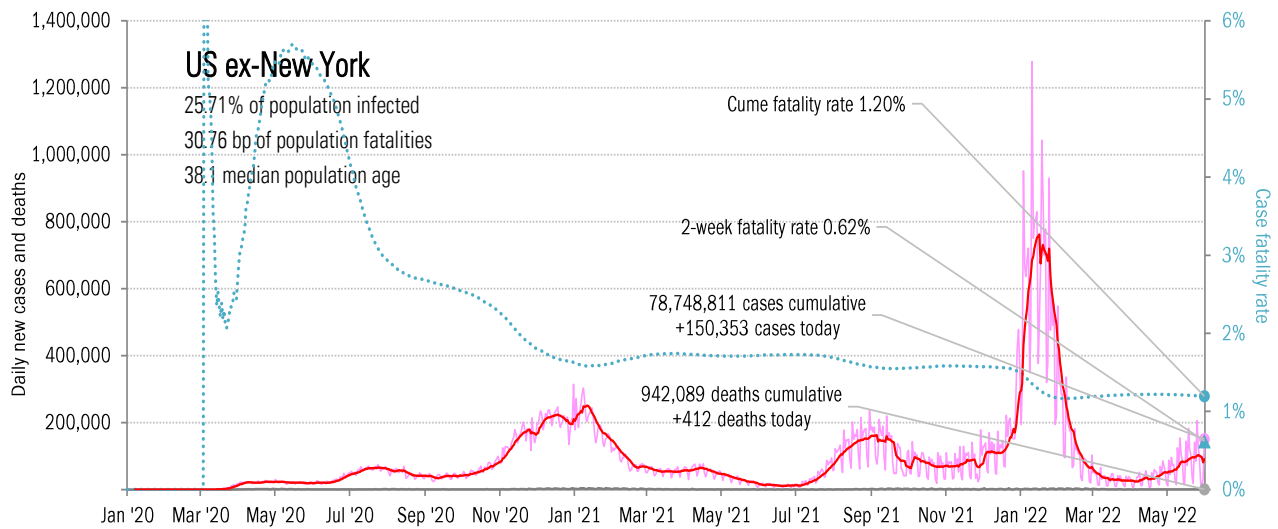
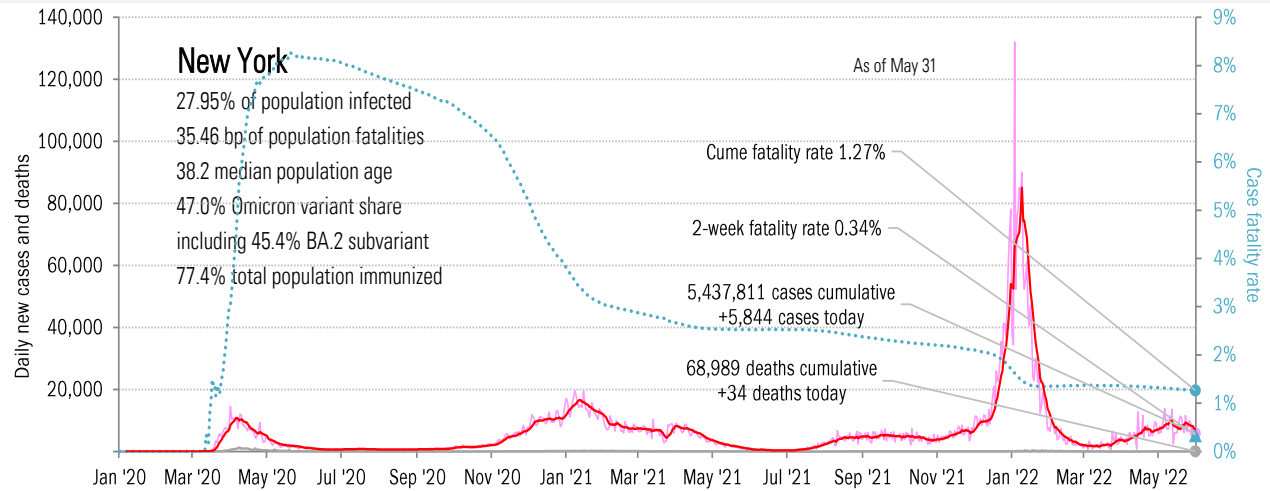
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

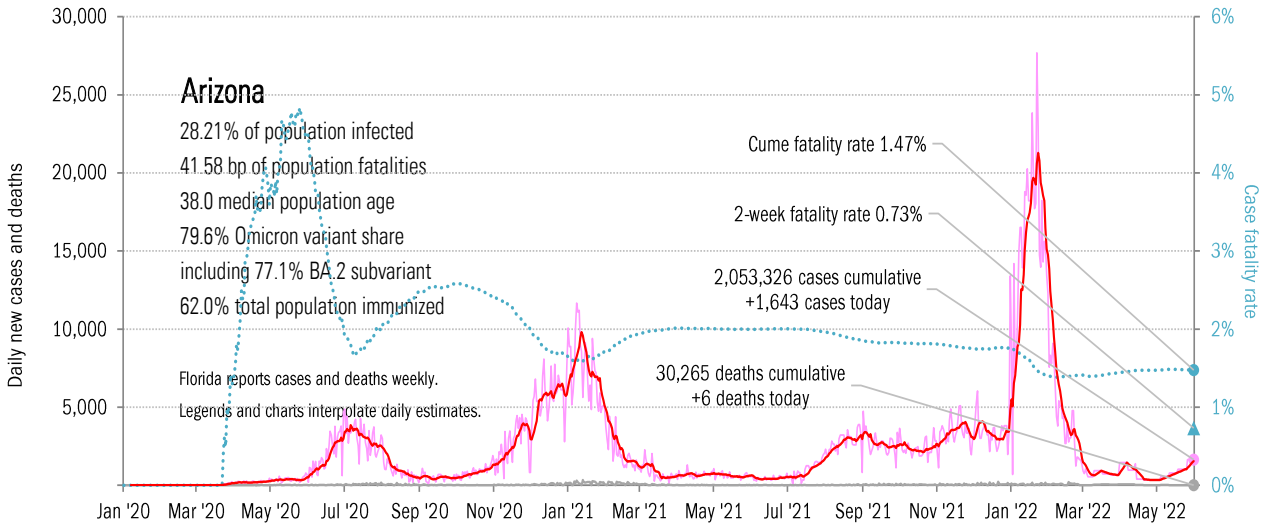
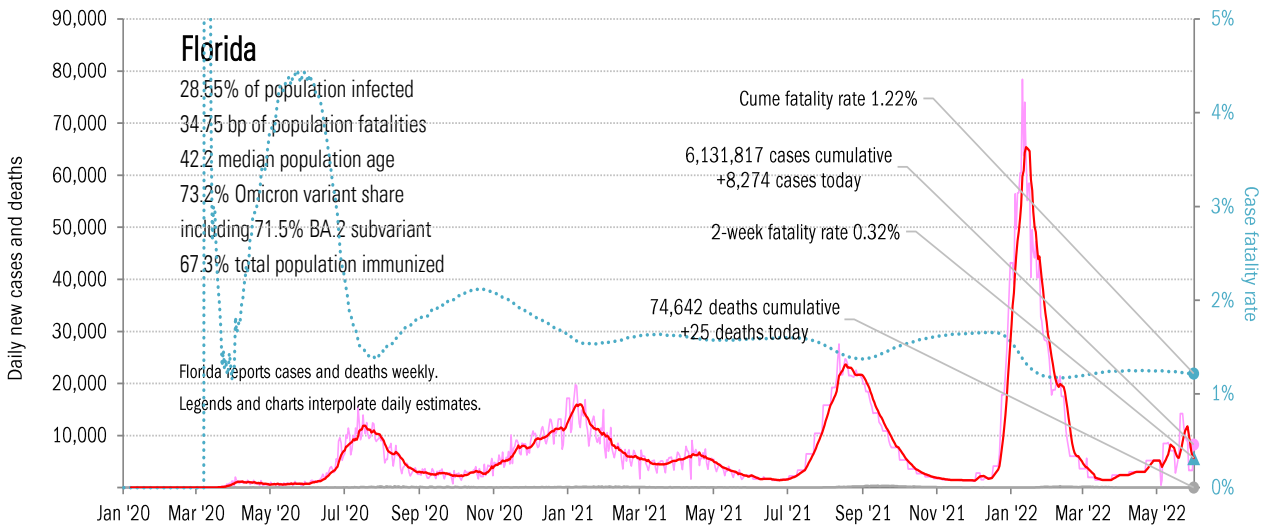
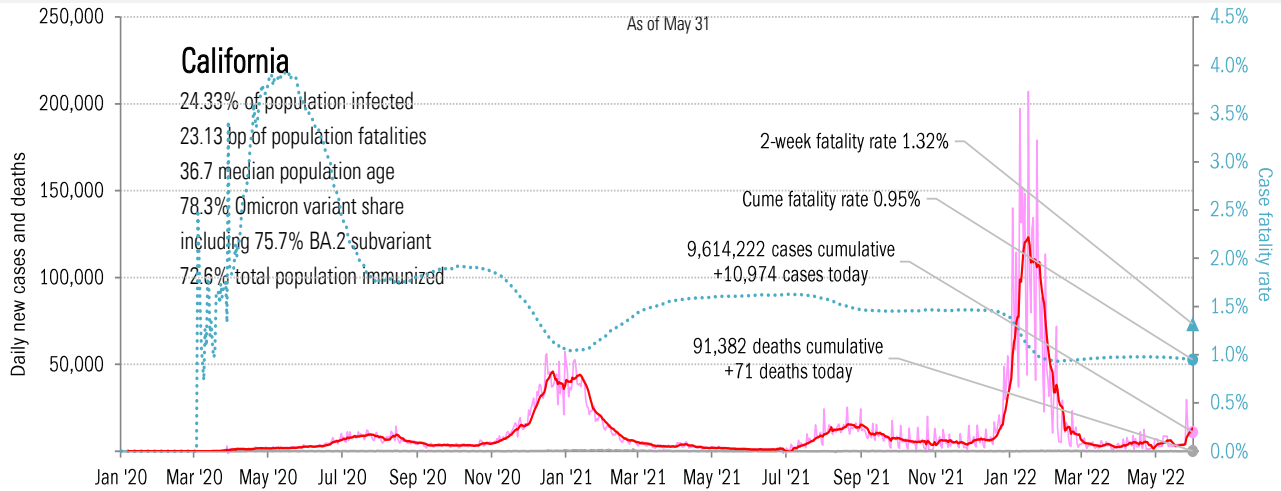
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

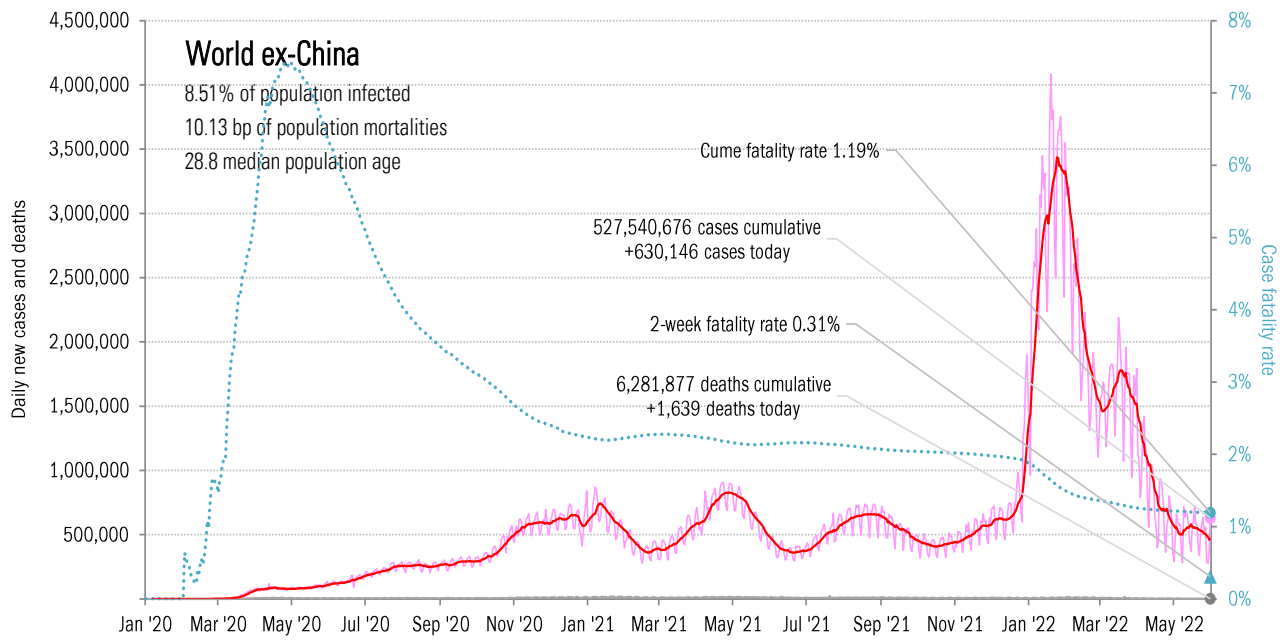
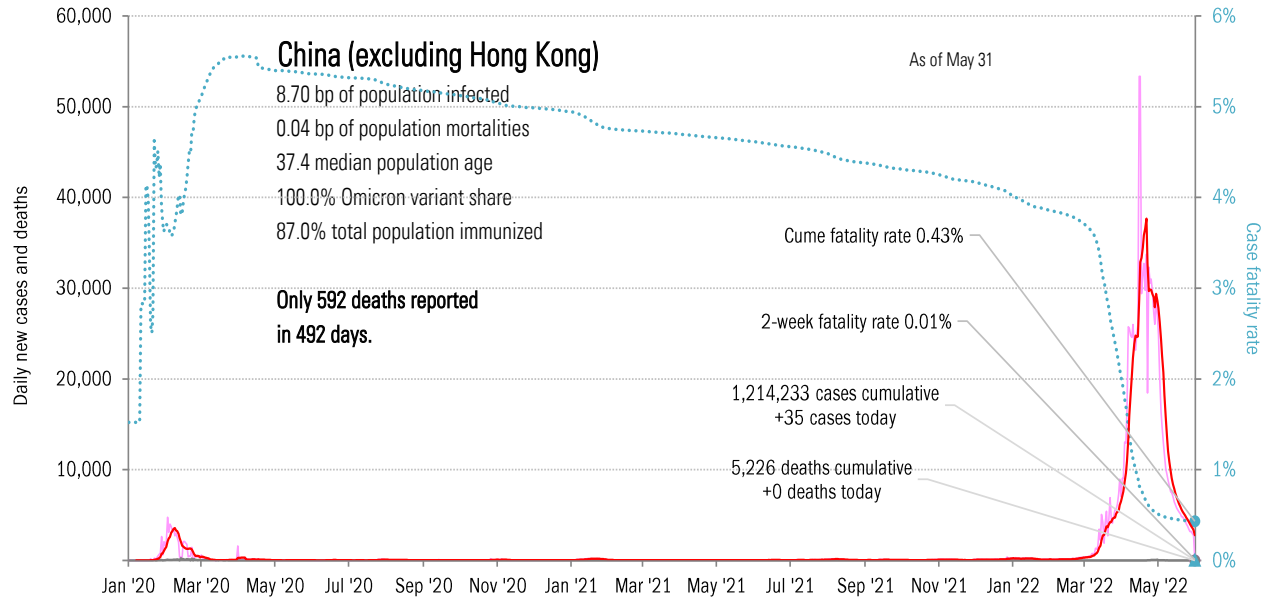
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

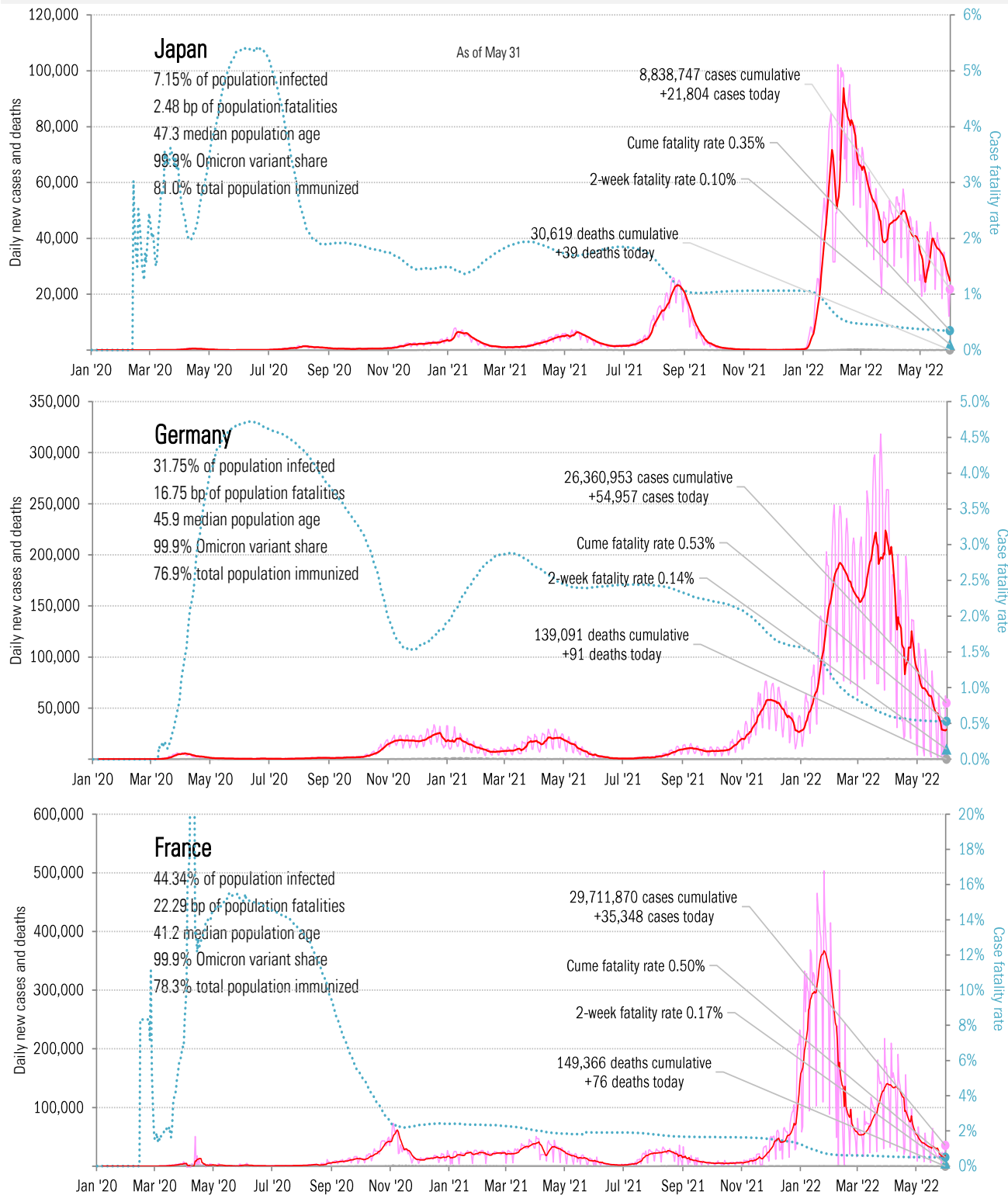
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

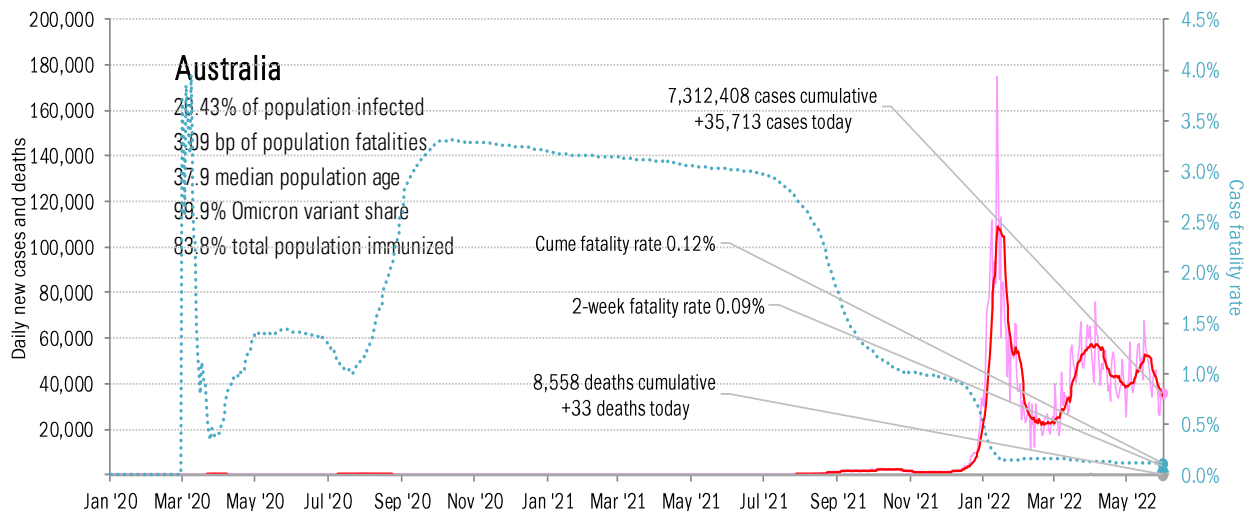
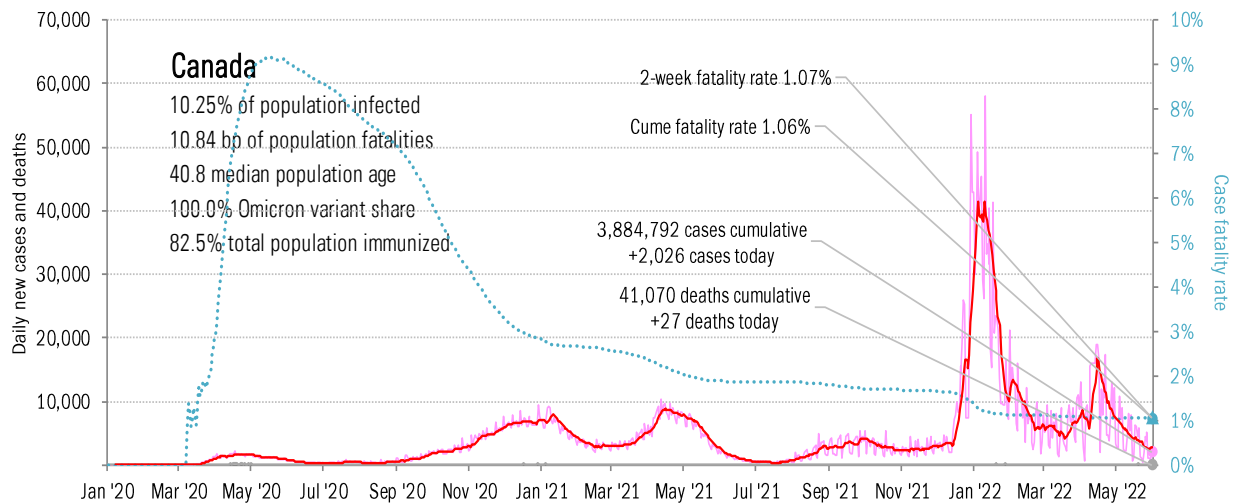
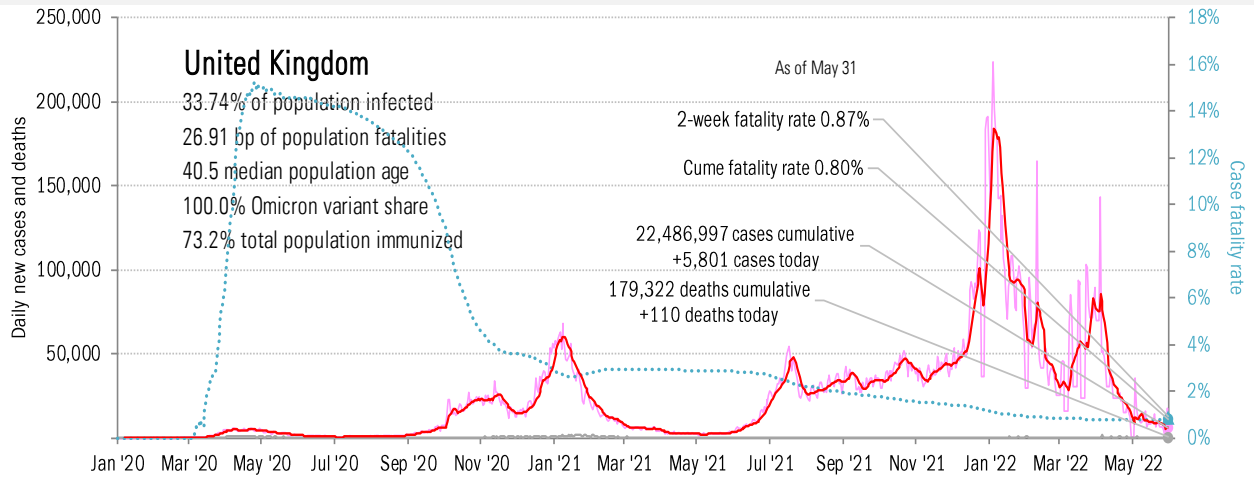
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

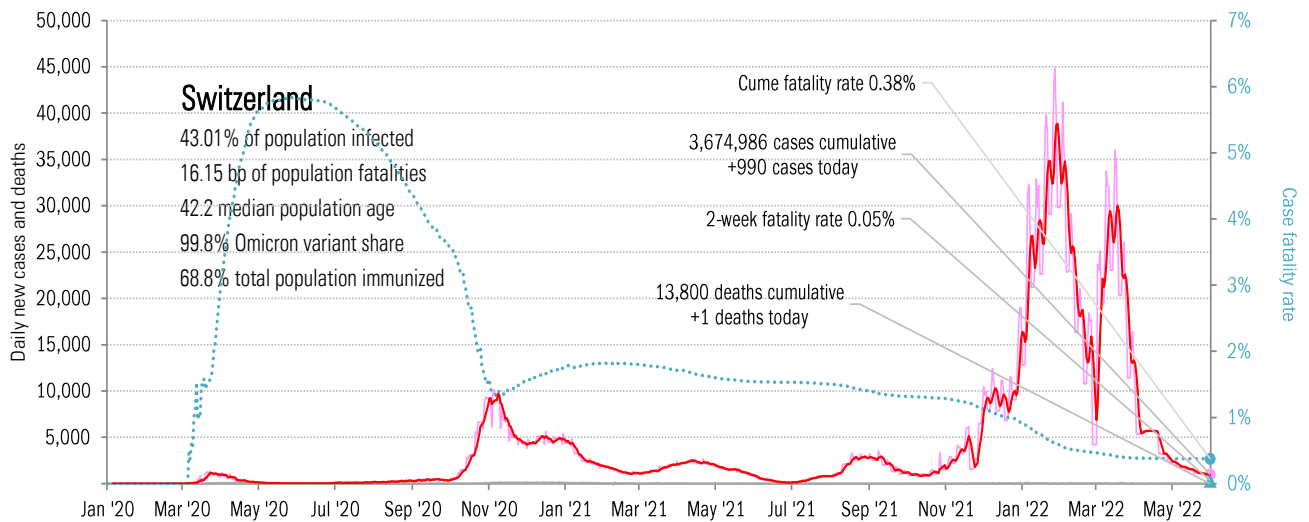
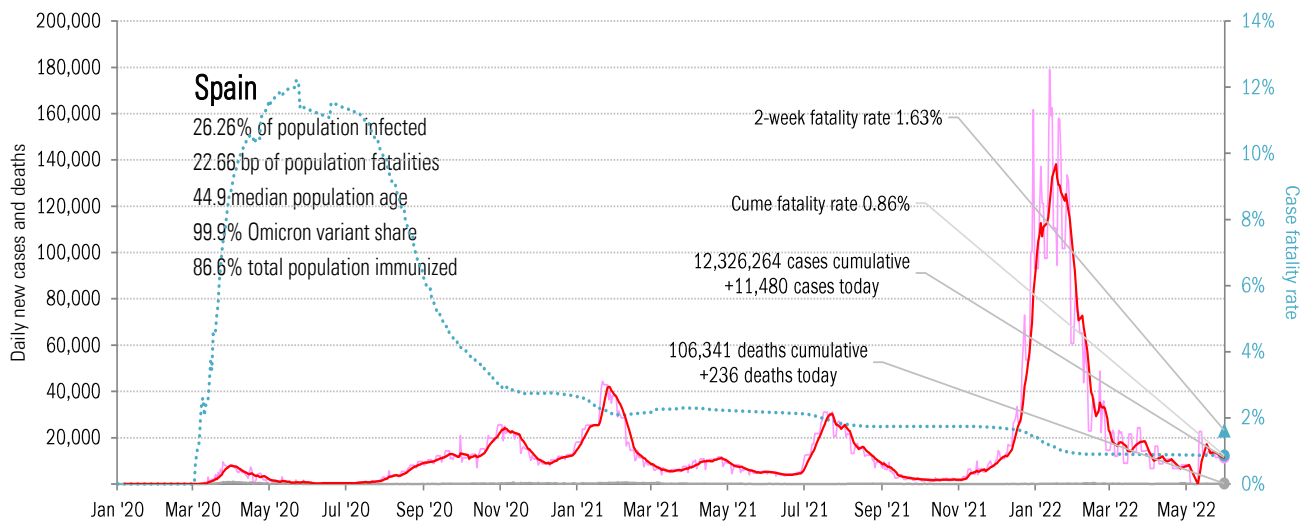
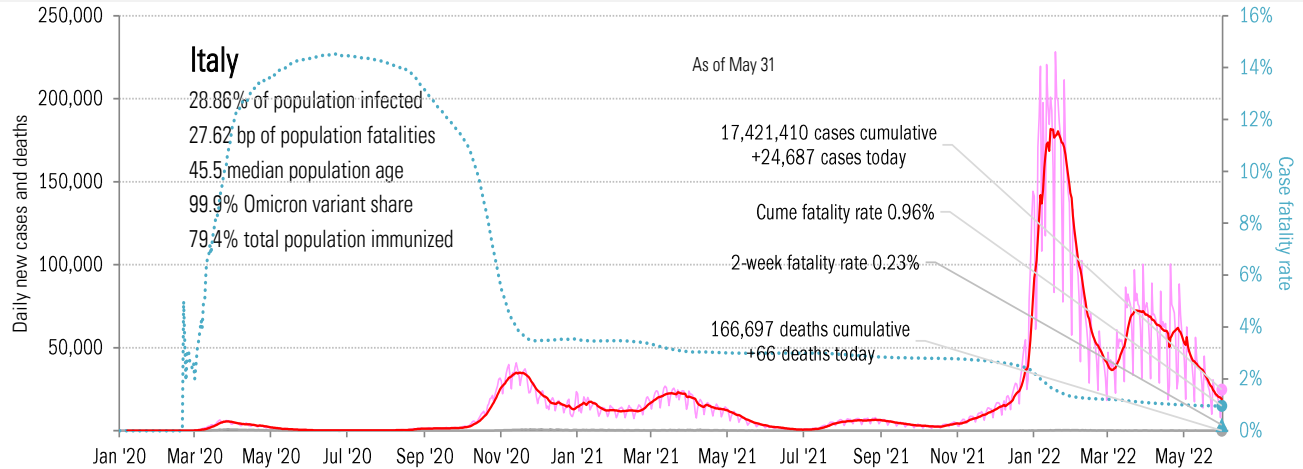
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

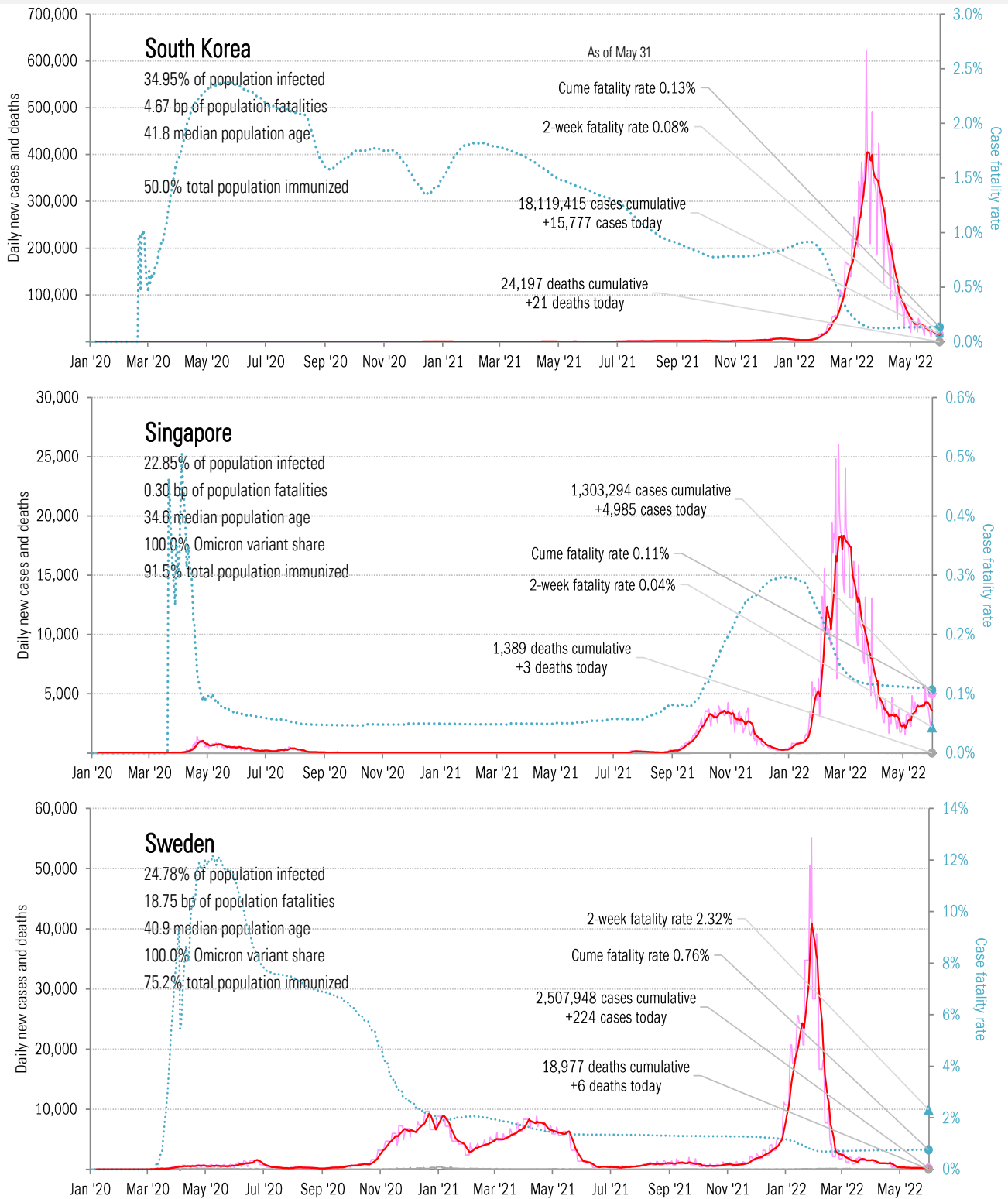
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

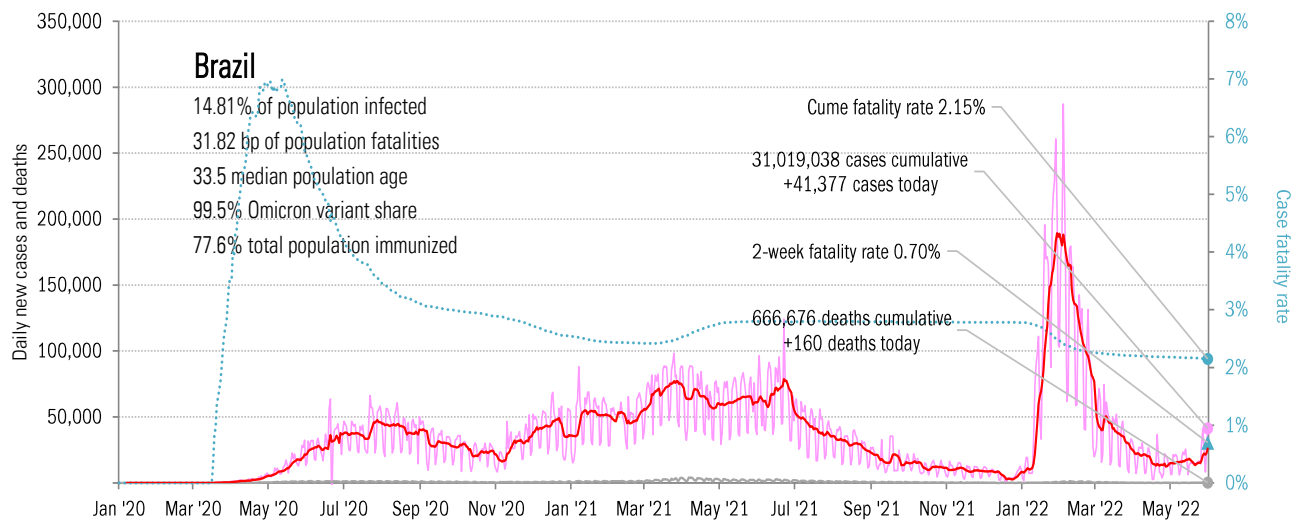
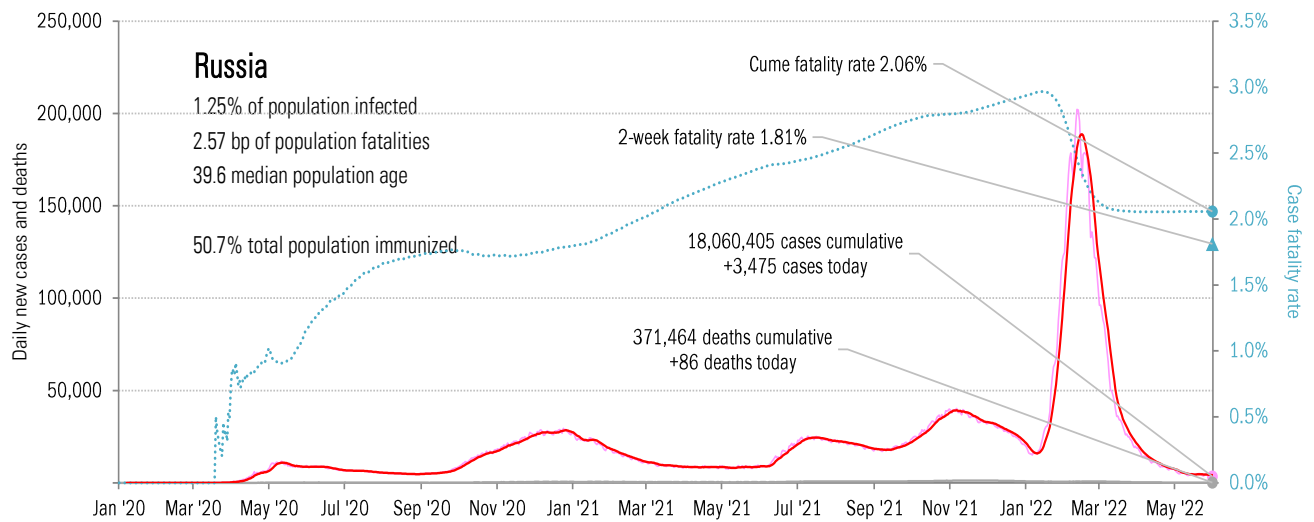
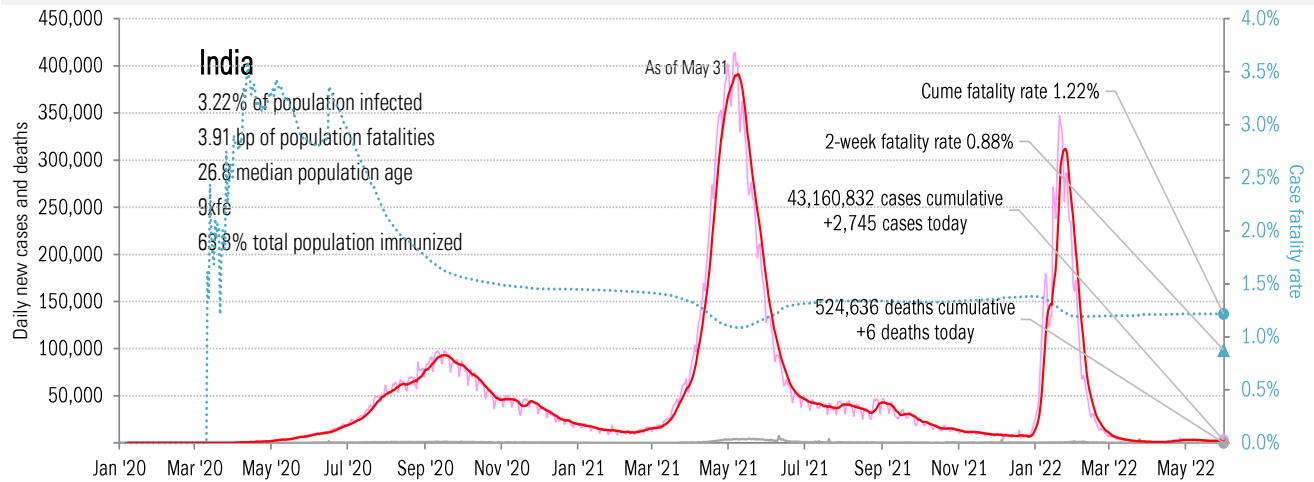
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

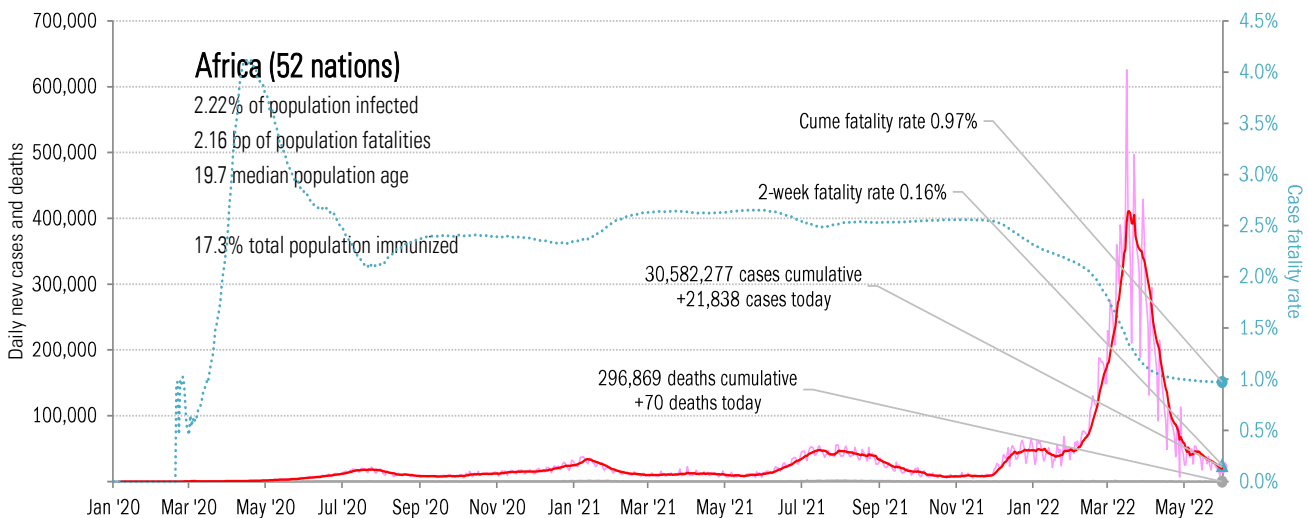
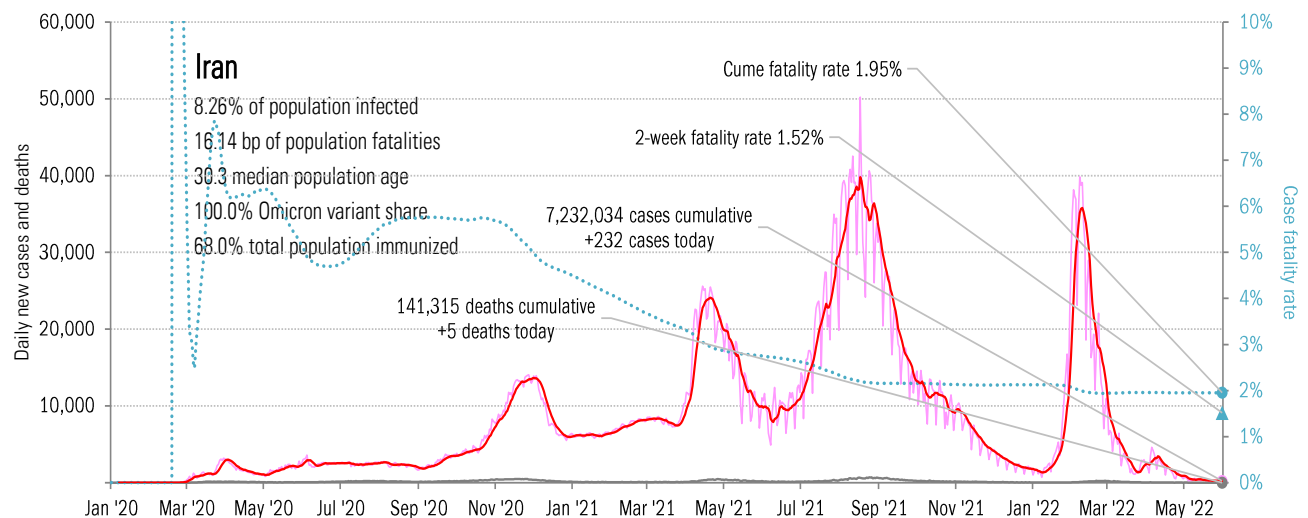
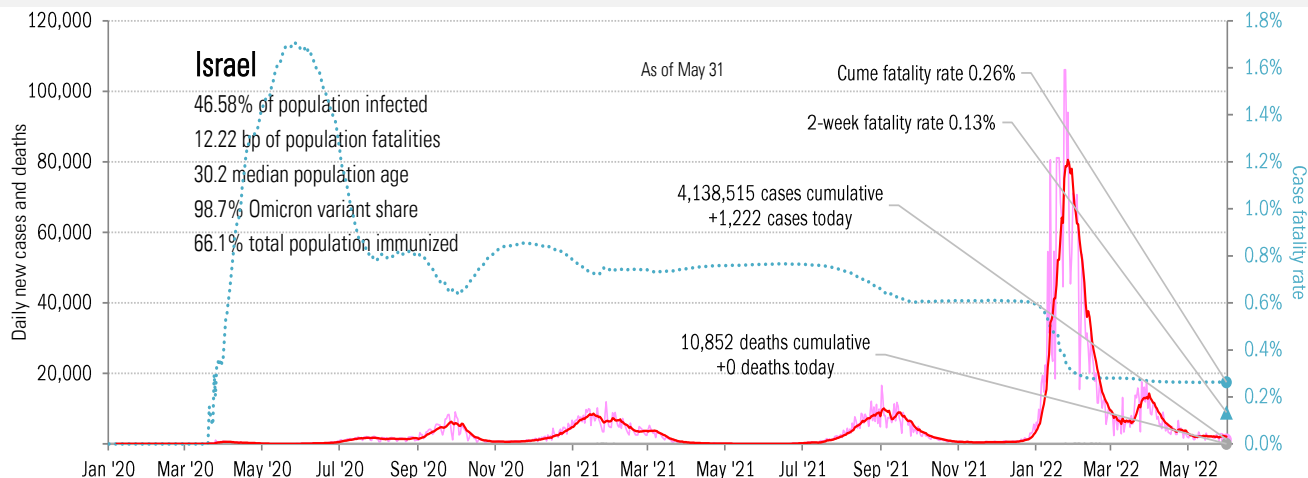
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

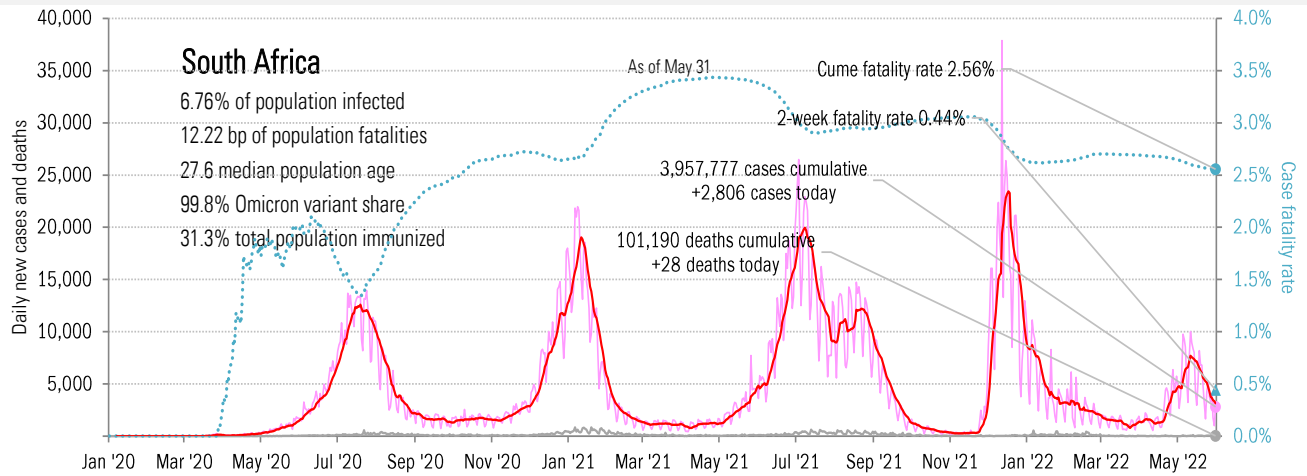
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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