

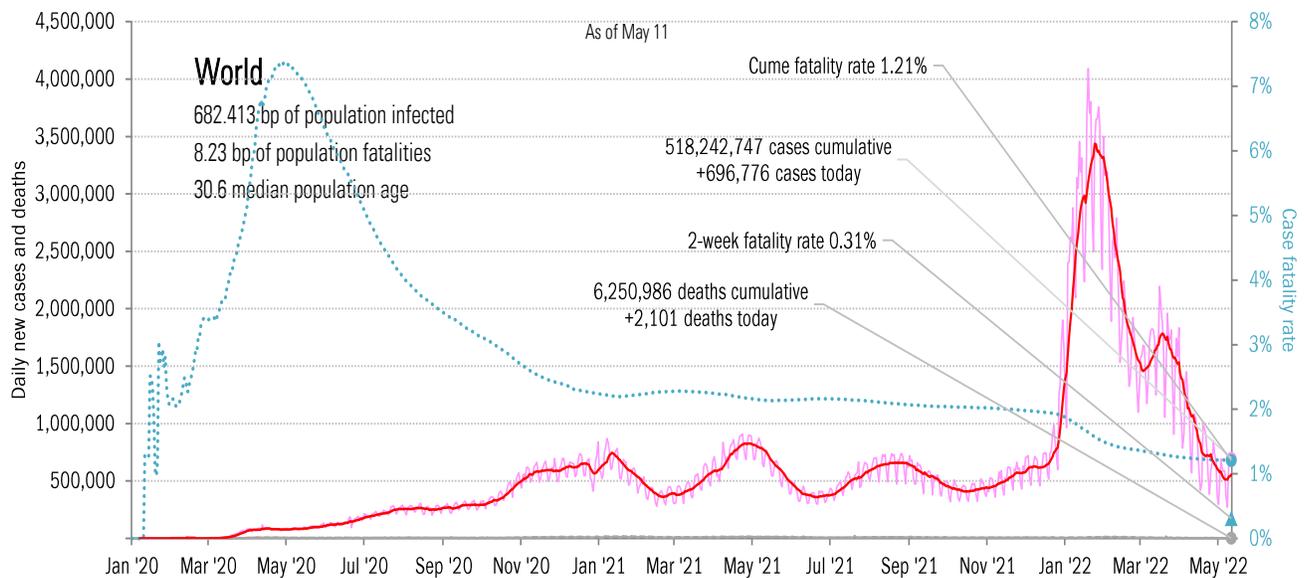
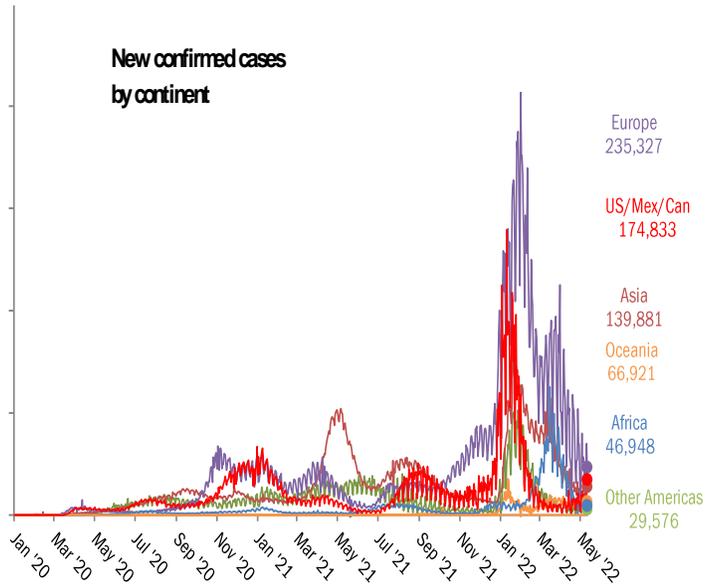
Data Insights: Covid-2019 Monitor

Thursday, May 12, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	166,625	United States	463
Germany	88,961	United Kingdom	208
Australia	57,348	Germany	197
Taiwan*	57,132	Canada	132
Japan	45,849	Brazil	126
Italy	42,683	Italy	115
France	40,599	France	96
Korea, South	35,883	Russia	96
Brazil	23,398	Hungary	77
Portugal	20,484	Korea, South	63
578,962		1,573	
World	696,776	World	2,101
Top ten	83%	Top ten	75%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

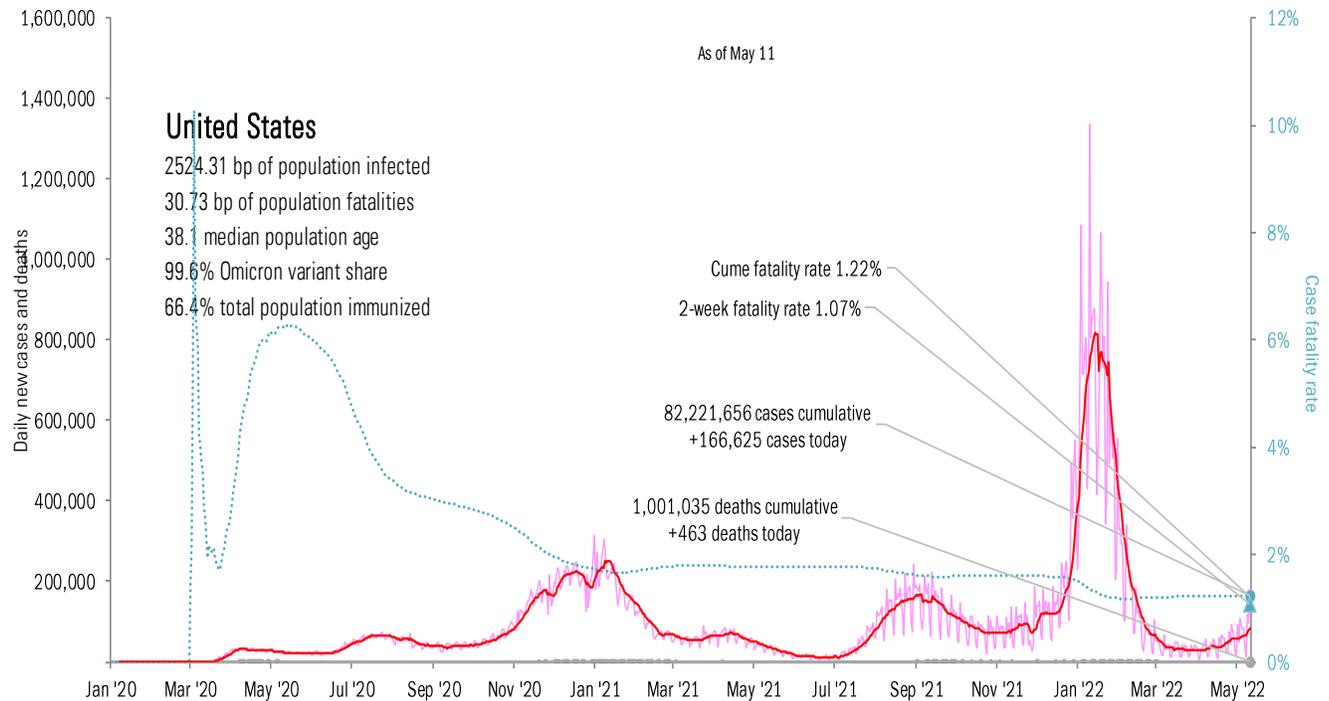
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
MI	27,705		MD	248		PA	162		CA	9,323,818		CA	90,623		TX	491,332		RI	92%	RI	84%
PA	20,089		GA	117		MI	173		TX	6,857,729		TX	88,215		CA	428,819		GA	86%	DE	83%
NC	18,479		PA	81		FL	243		FL	6,001,641		FL	74,267		FL	419,257		MN	85%	AL	82%
US state case and fatality data distorted today due to revisions.						CA	220		NY	5,264,277		NY	68,558		NY	255,369		MA	85%	NH	81%
						MA	138		IL	3,195,244		PA	44,814		GA	208,200		MO	83%	TX	80%
						FR	45		PA	2,849,865		CH	38,493		CH	192,871		WA	82%	WA	79%
						TX	120		CH	2,708,071		GA	38,086		PA	178,596		PA	82%	KY	79%
H	5,768		TX	24		GA	66		NC	2,691,805		MI	36,140		IL	159,781		DE	81%	VT	79%
NJ	4,925		NE	23		AR	14		GA	2,530,918		IL	36,128		MI	143,915		MI	81%	UT	79%
PR	4,911		IA	22		NJ	130		MI	2,472,596		NJ	33,517		KY	133,405		MD	80%	MA	79%
114,805			686			1,311			43,895,964			548,841			2,611,545						
All states	166,625			463			2,813		All states	82,221,656			1,001,035			4,741,883		All states	70%		67%
Top ten	69%			148%			47%		Top ten	53%			55%			55%		Median	74%		74%

Some states not reporting

Five most improved US states

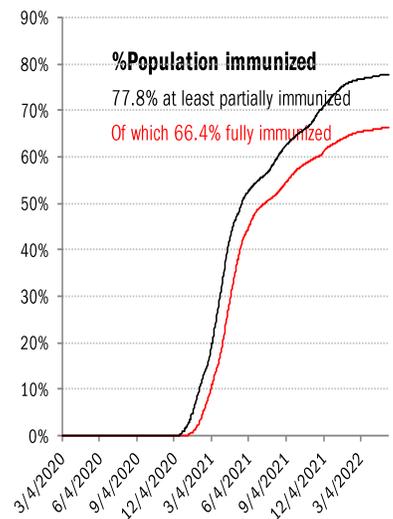
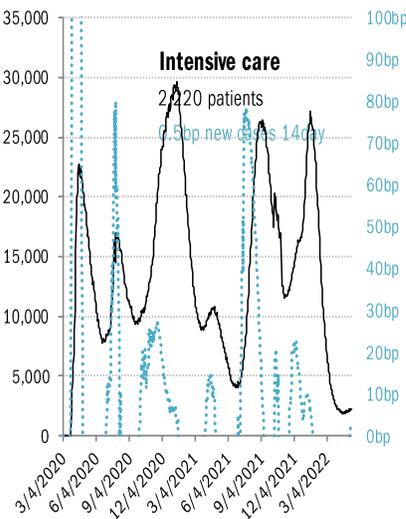
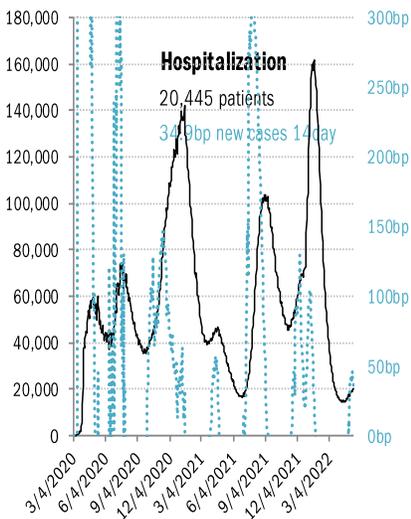
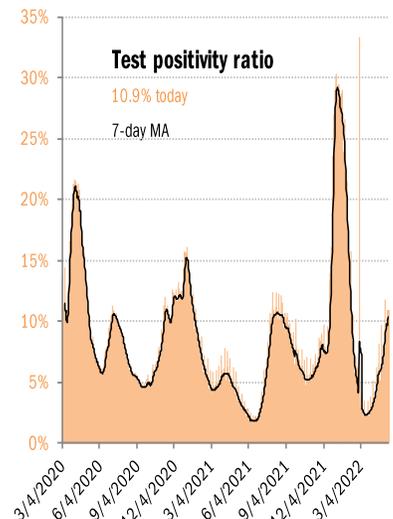
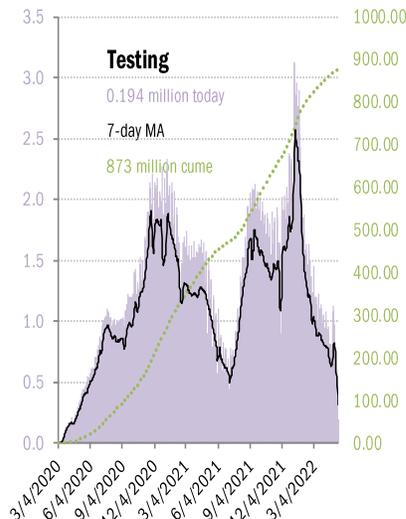
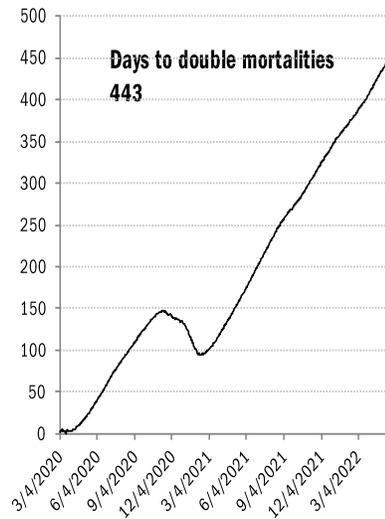
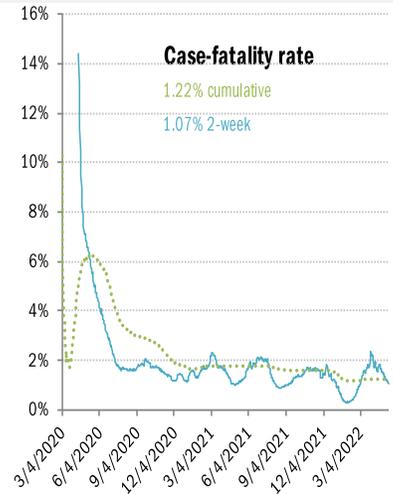
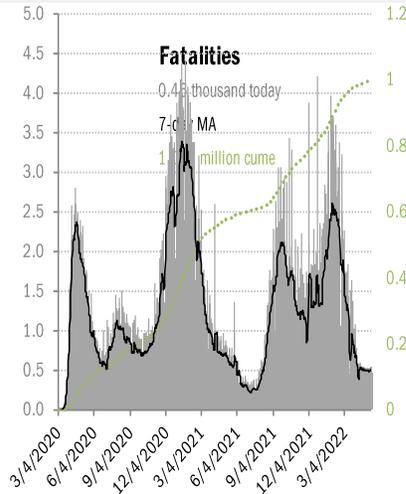
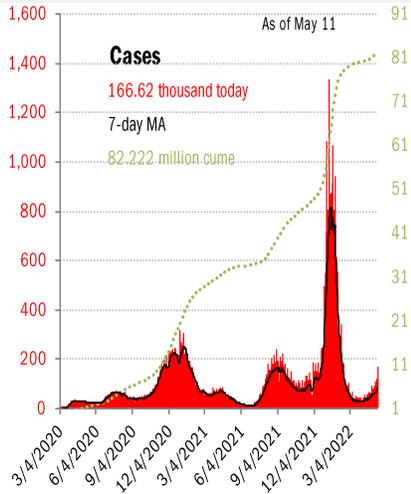
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-22,031	FL	-123	NY	-312	CT	+10 bp
NE	-8,448	CA	-96	WA	-44	DE	+10 bp
MN	-3,326	MA	-14	CO	-23	ID	+10 bp
AZ	-2,915	CT	-8	DE	-23	IL	+10 bp
MD	-2,560	AL	-5	NJ	-19	MA	+10 bp



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

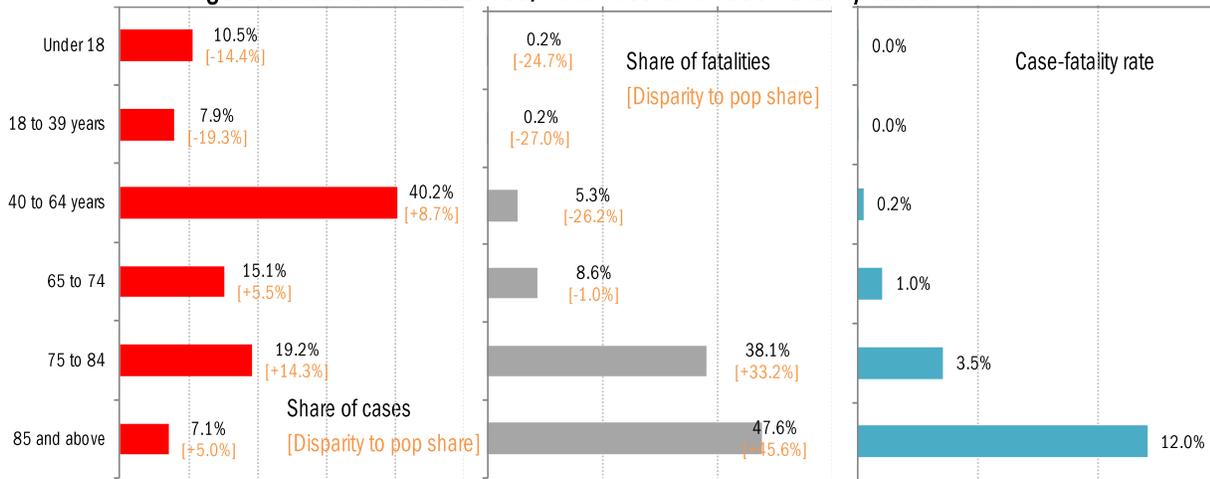
US deep-dive

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

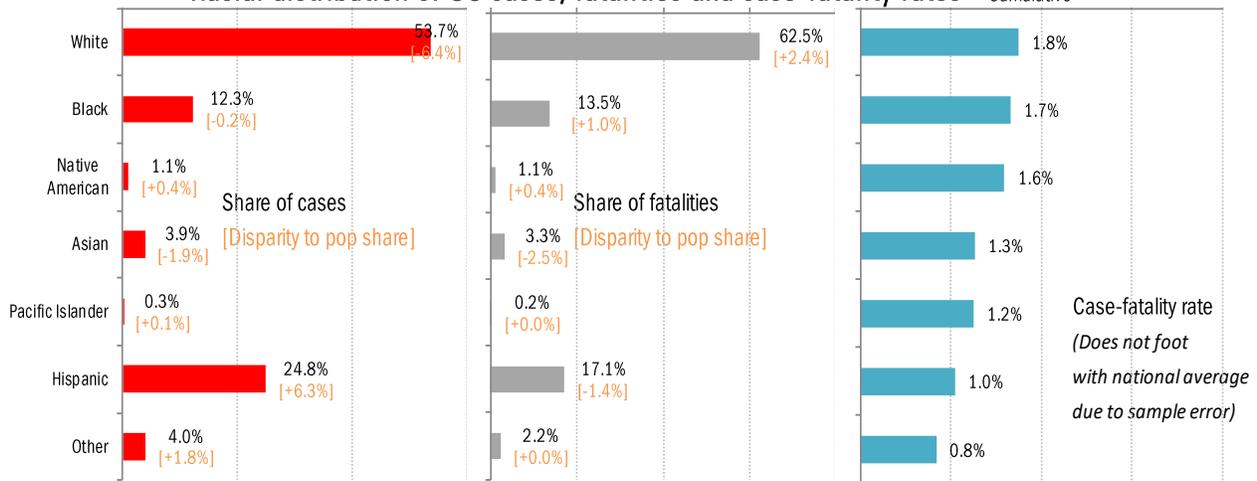


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

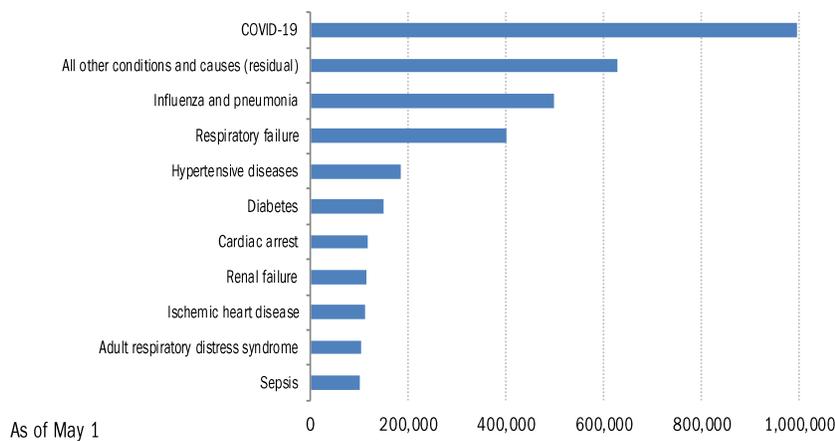


Racial distribution of US cases, fatalities and case-fatality rates



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

[North Korea reports its first Covid outbreak.](#)

Choe Sang-Hun
New York Times
May 11, 2022

[Comparison of pandemic excess mortality in 2020-2021 across different empirical calculations](#)

Michael Levitt et al.
medRxiv
May 10, 2022

[The hidden dissent inside ZeroCovid China](#)

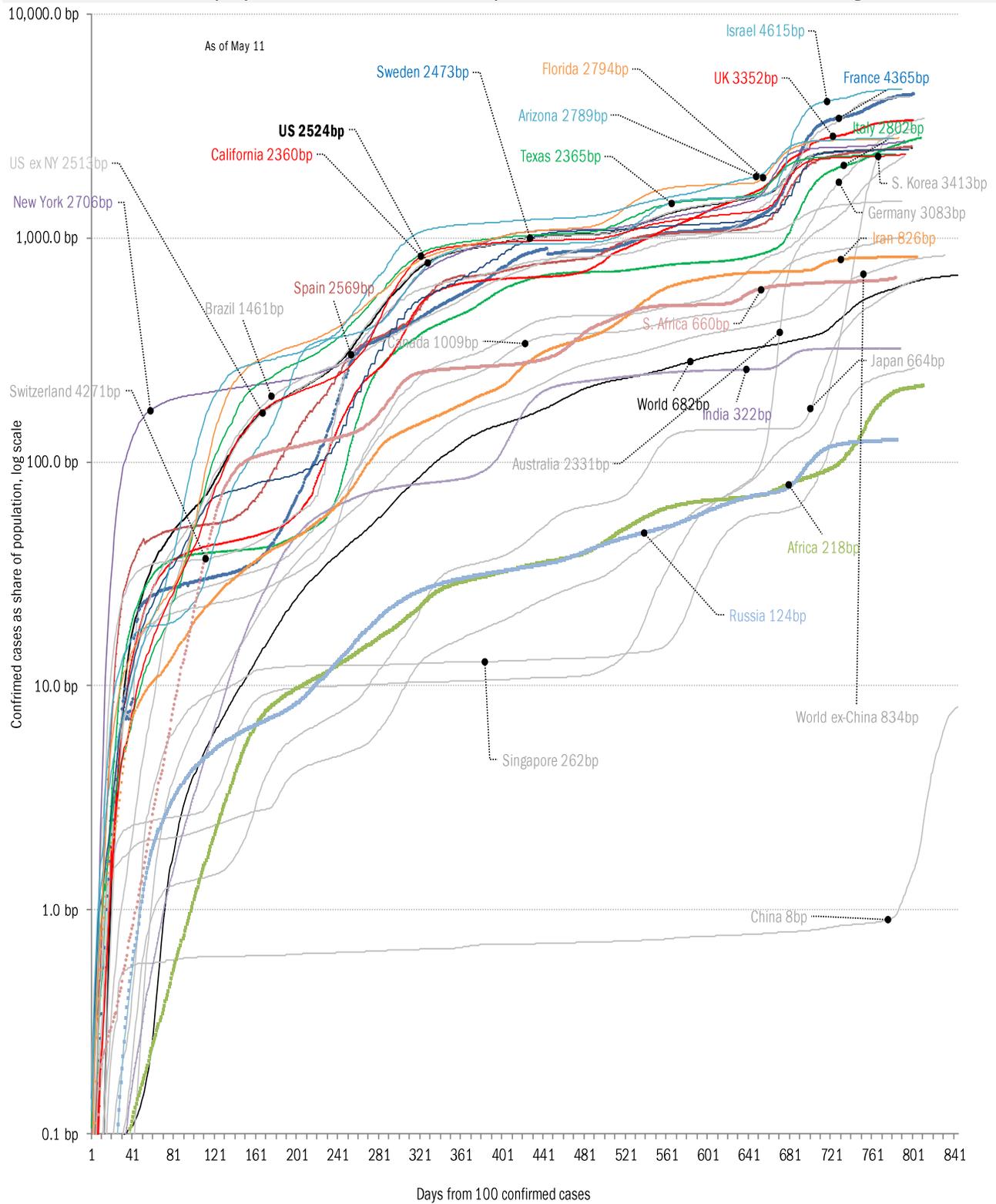
Leng Ping
UnHerd
May 11, 2022

Meme of the day



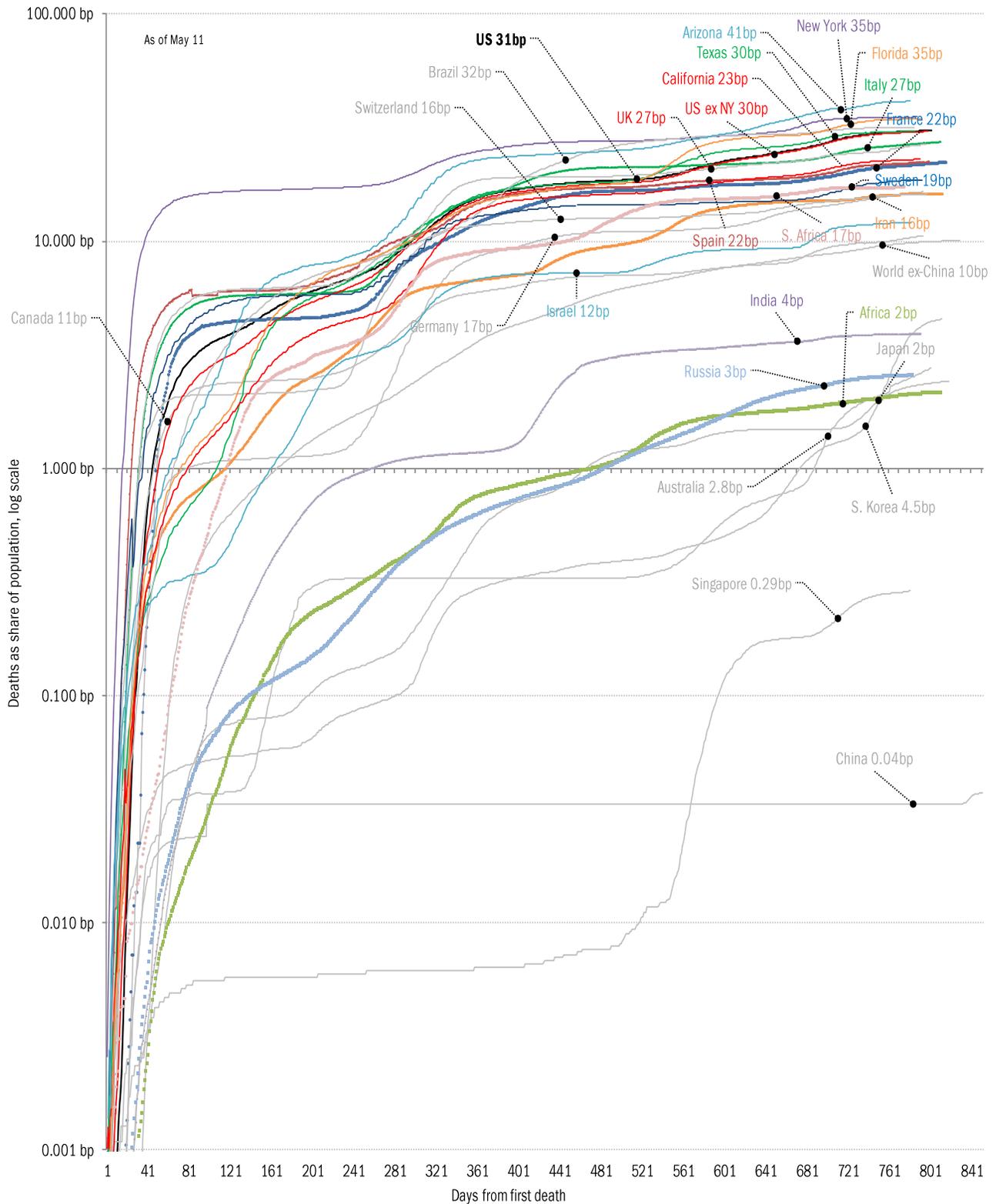
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

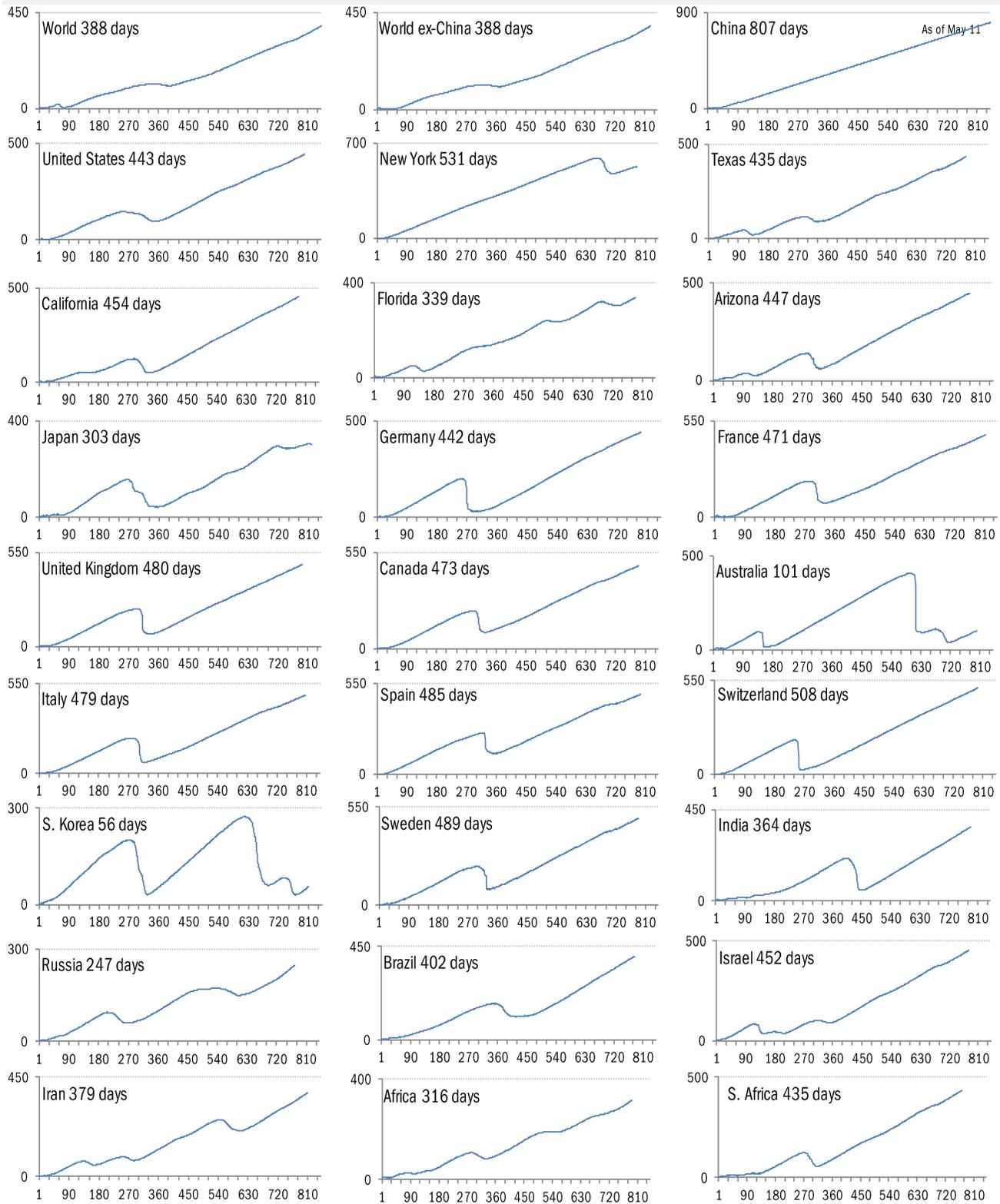


Source: [Johns Hopkins](#), TrendMacro calculations

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

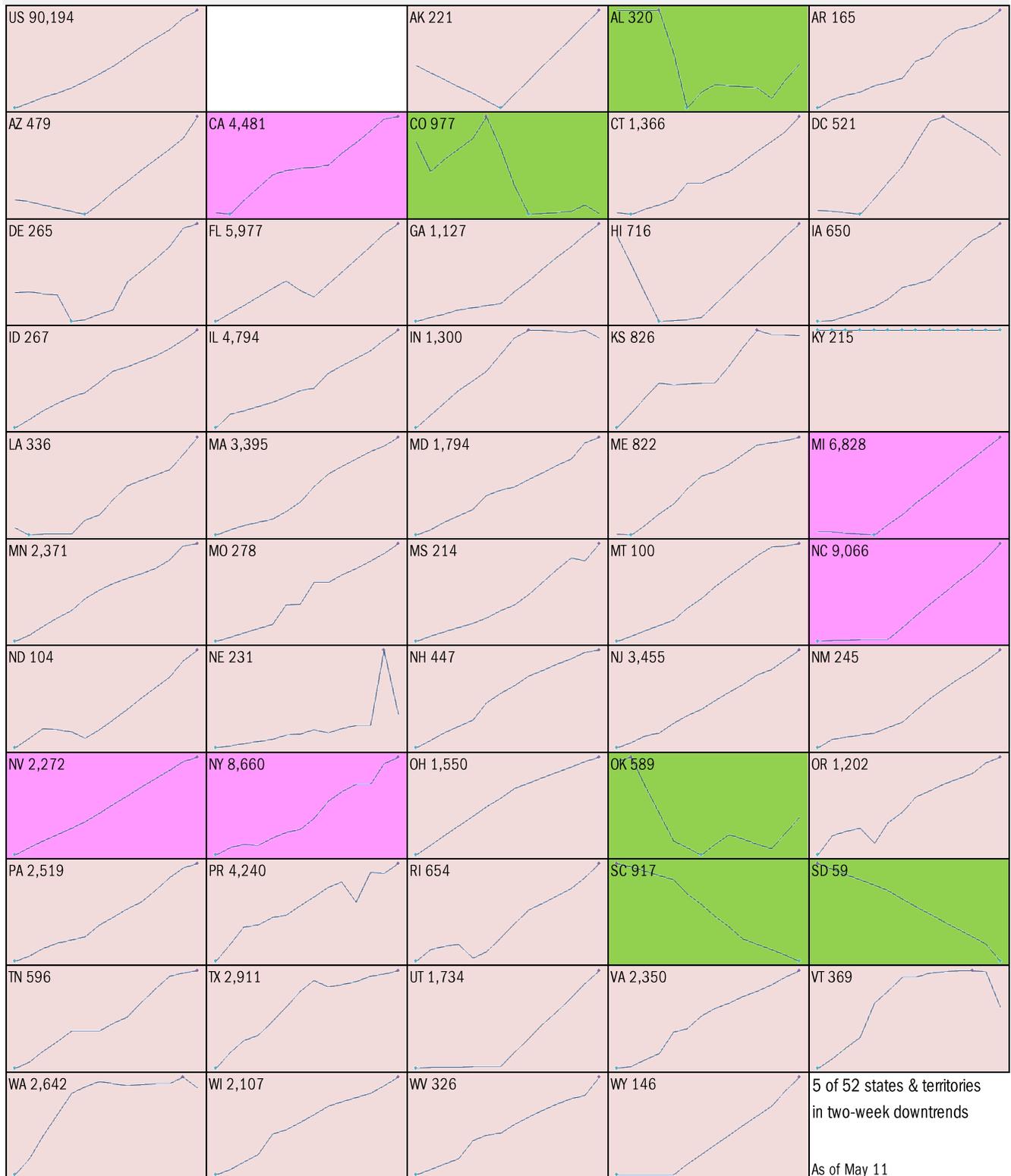


Source: [Johns Hopkins](#), TrendMacro calculations

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](#), TrendMacro calculations

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

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

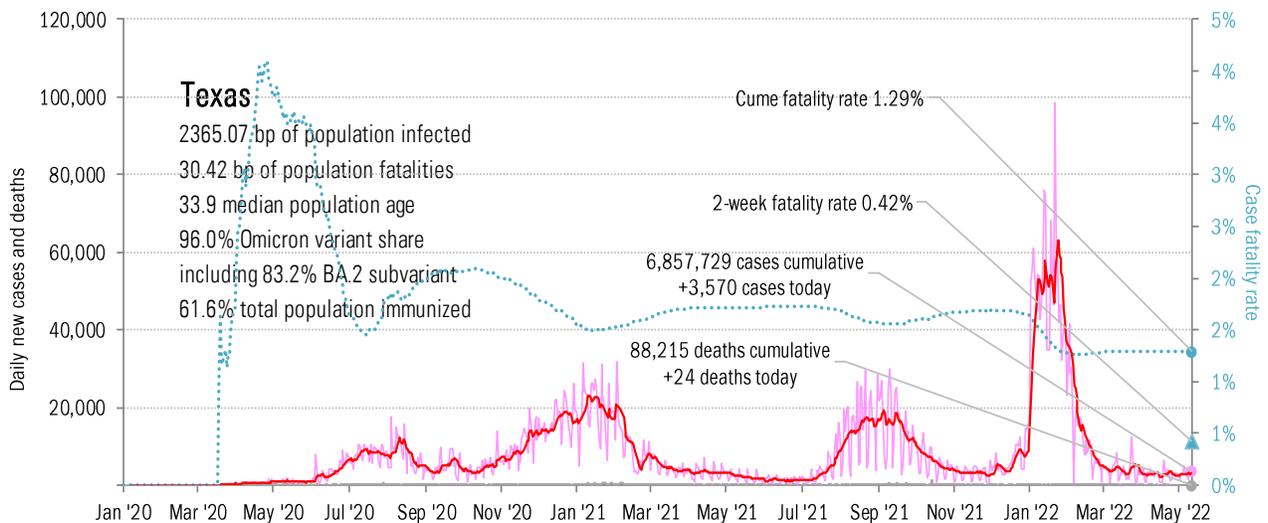
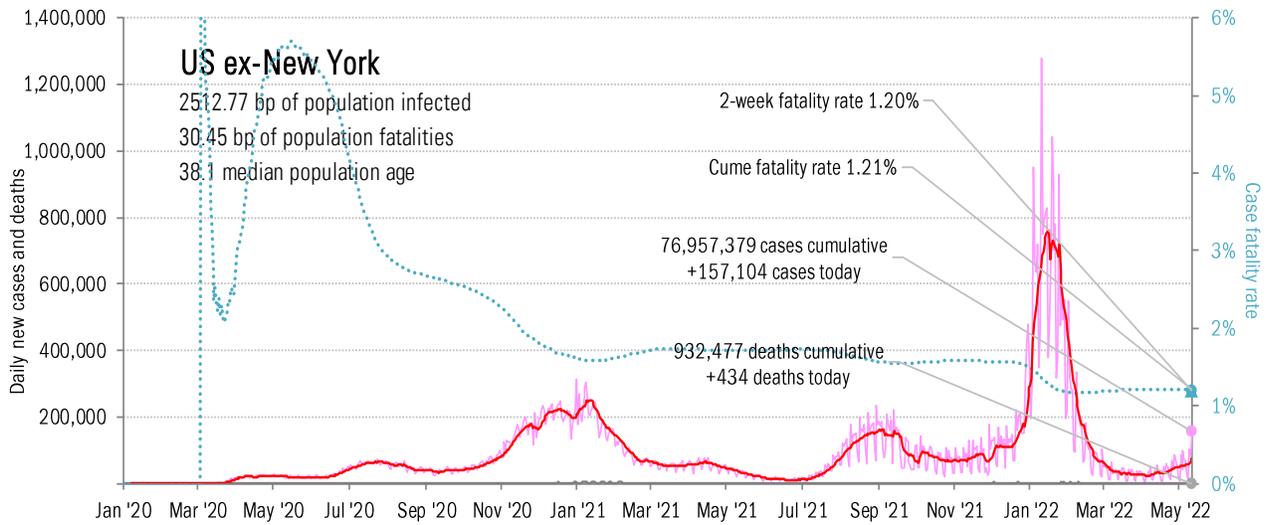
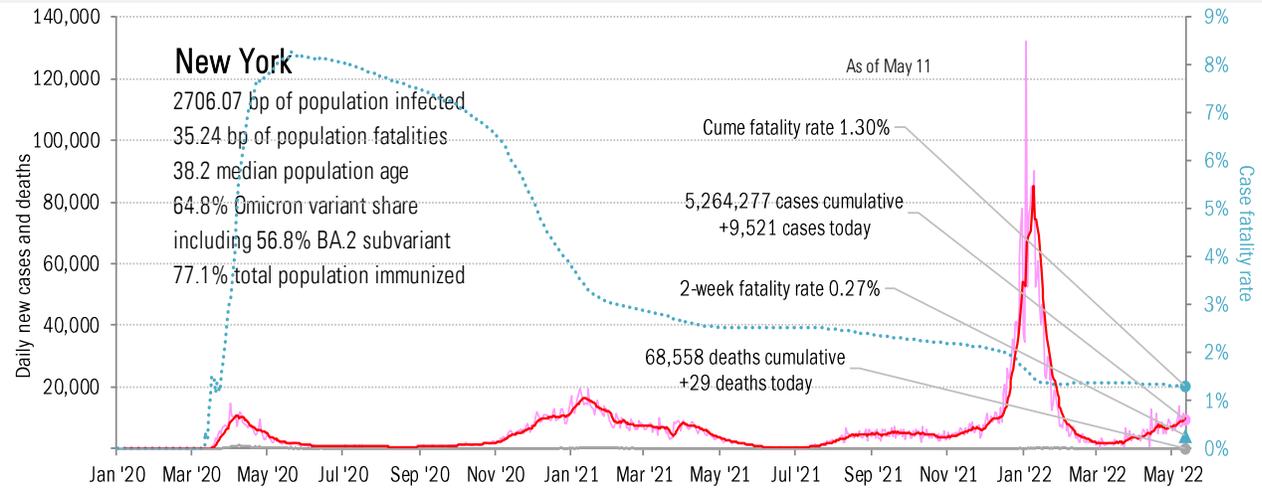
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

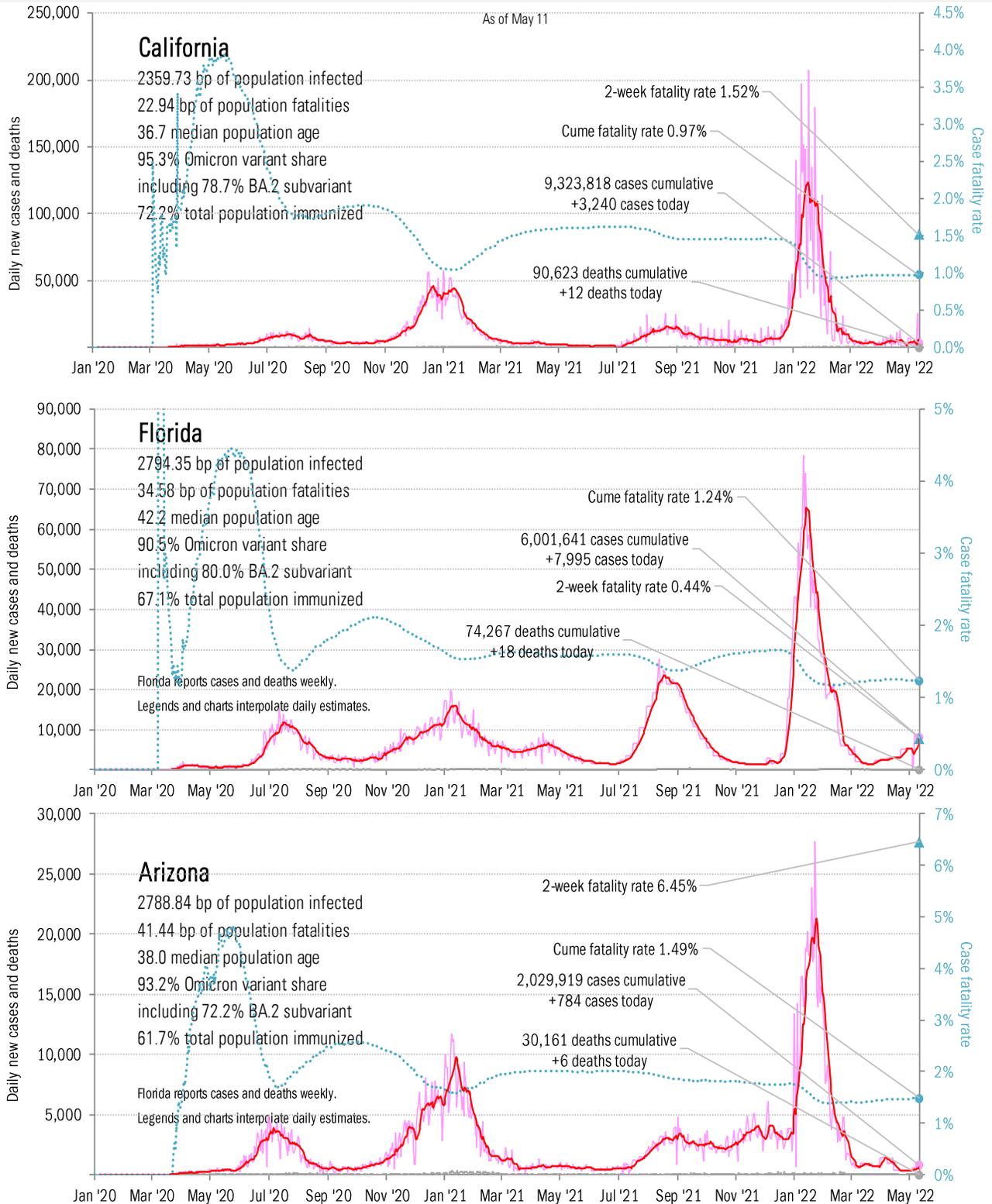
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

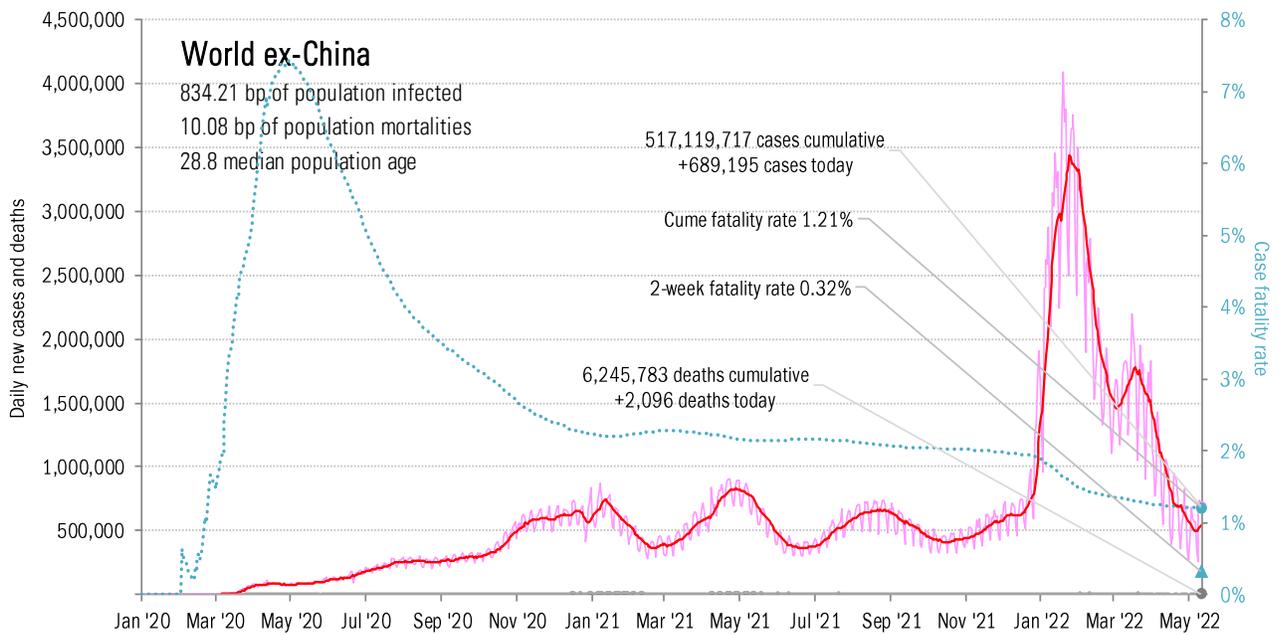
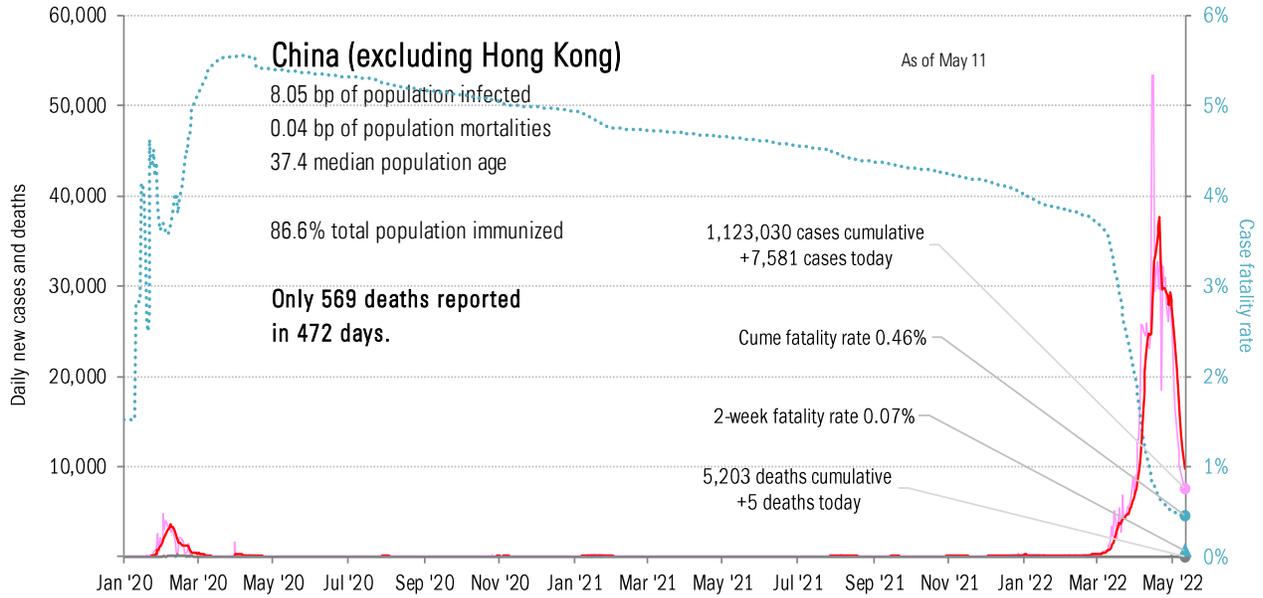
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

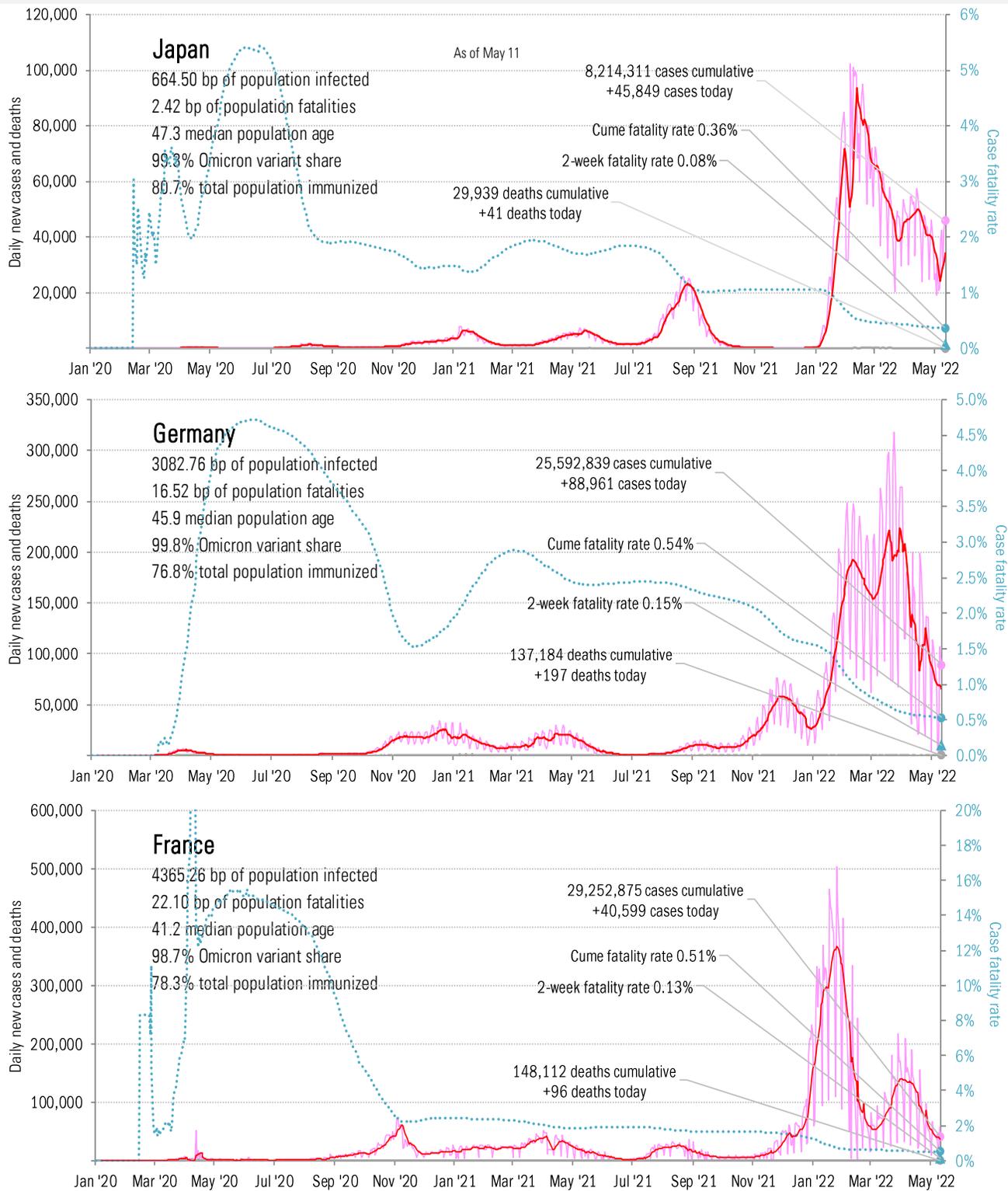
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

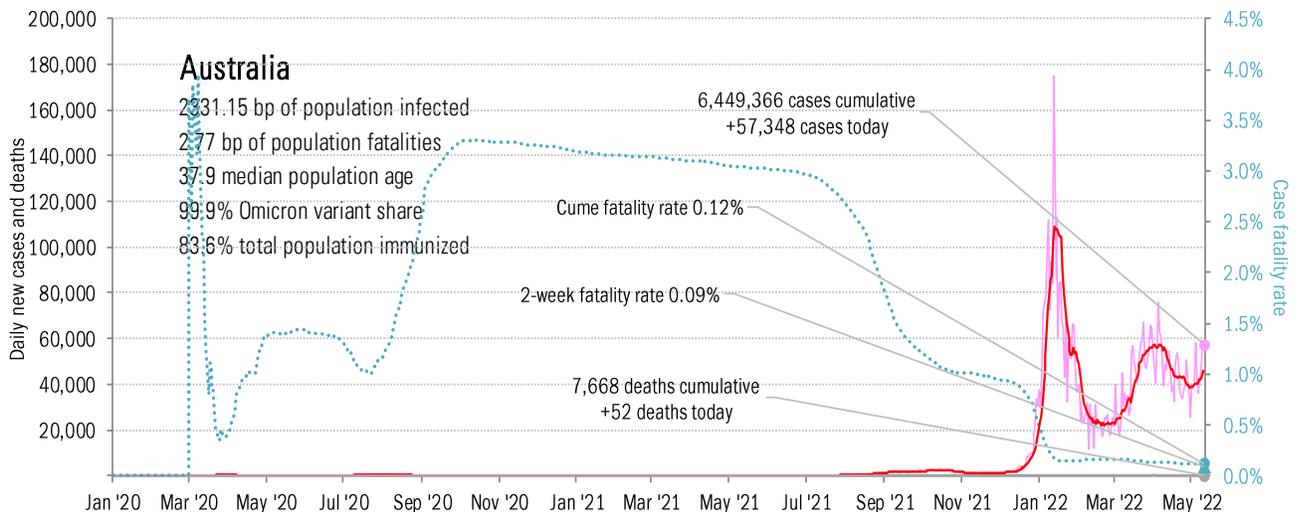
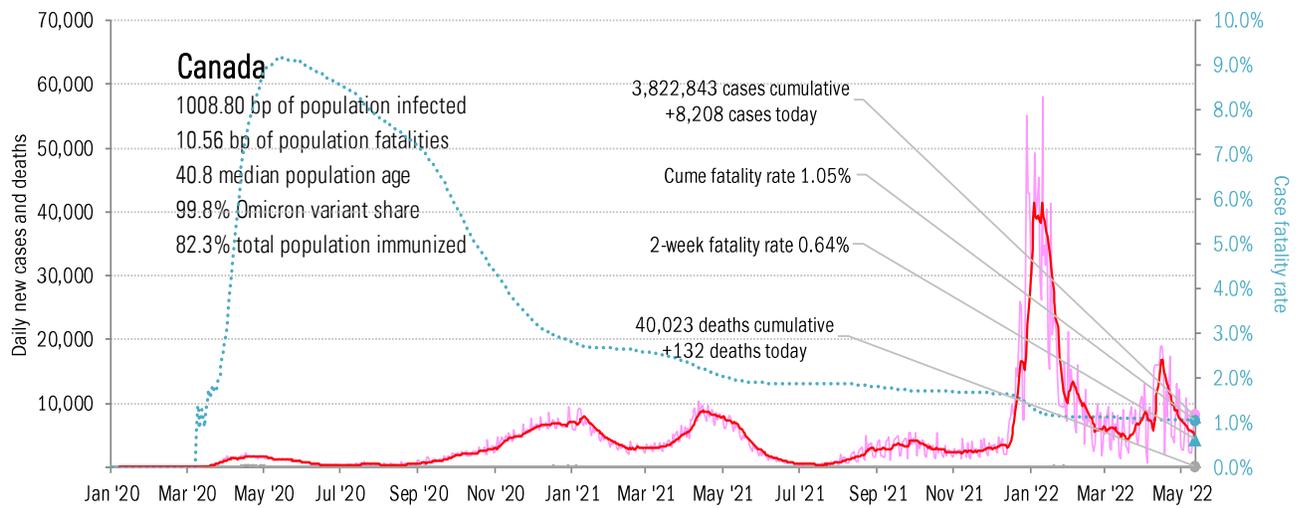
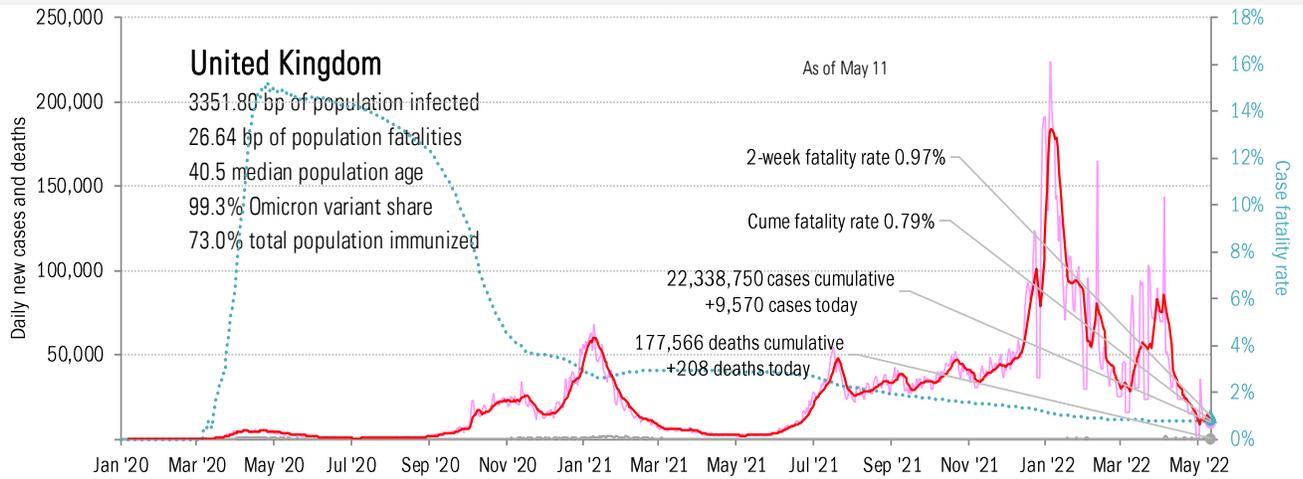
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

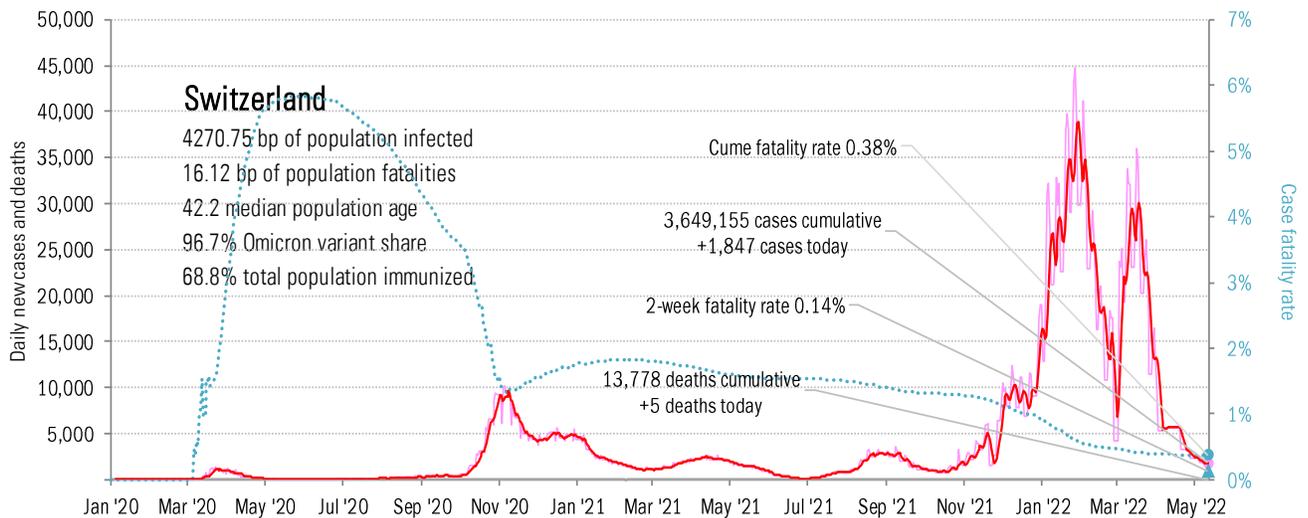
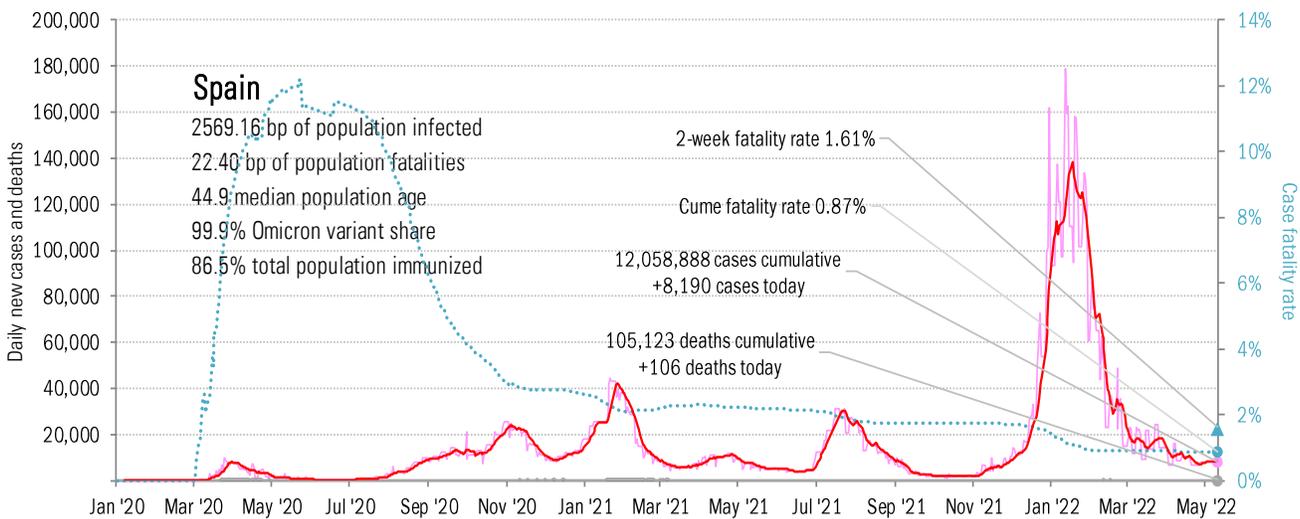
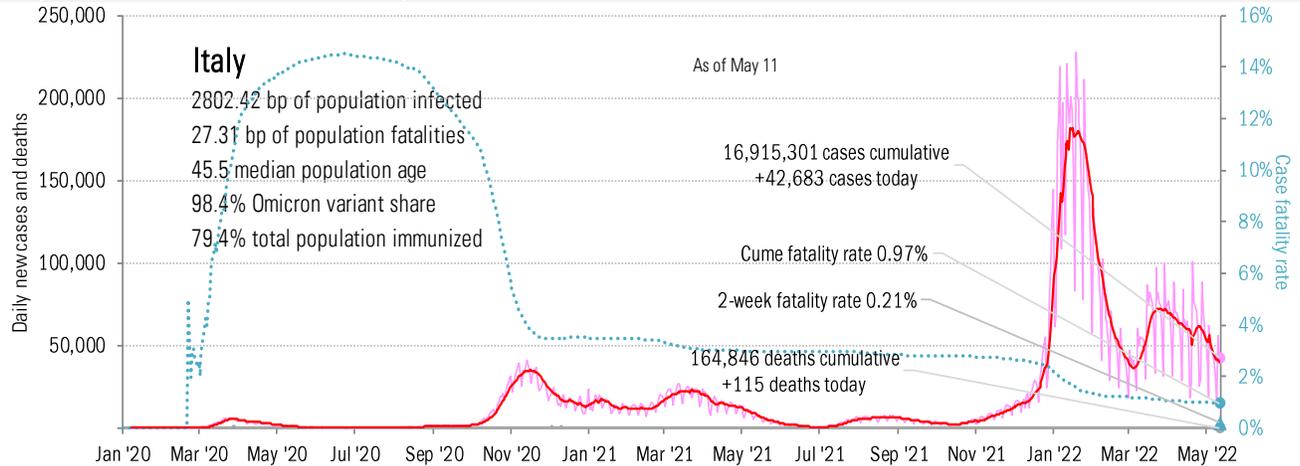
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

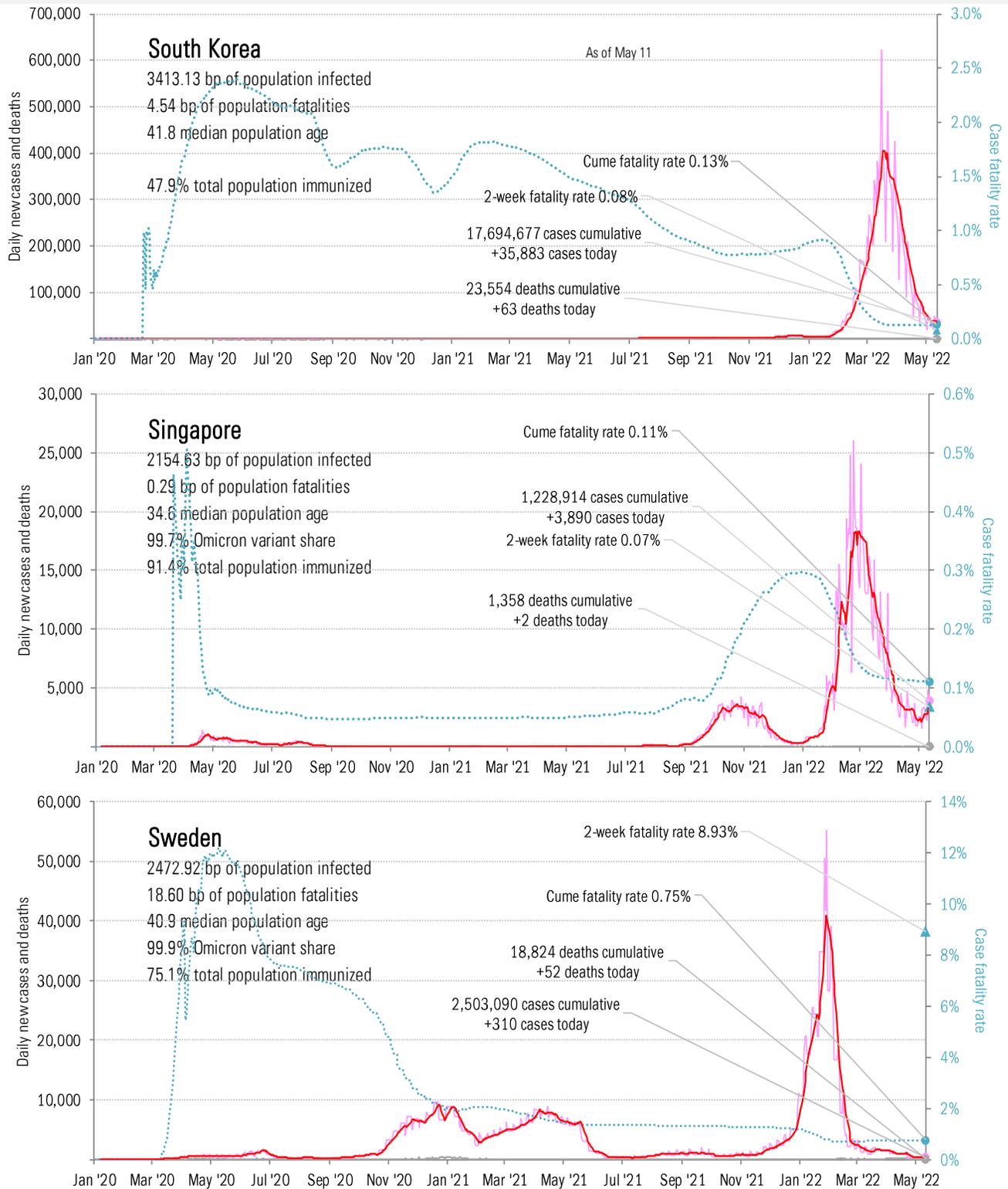
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

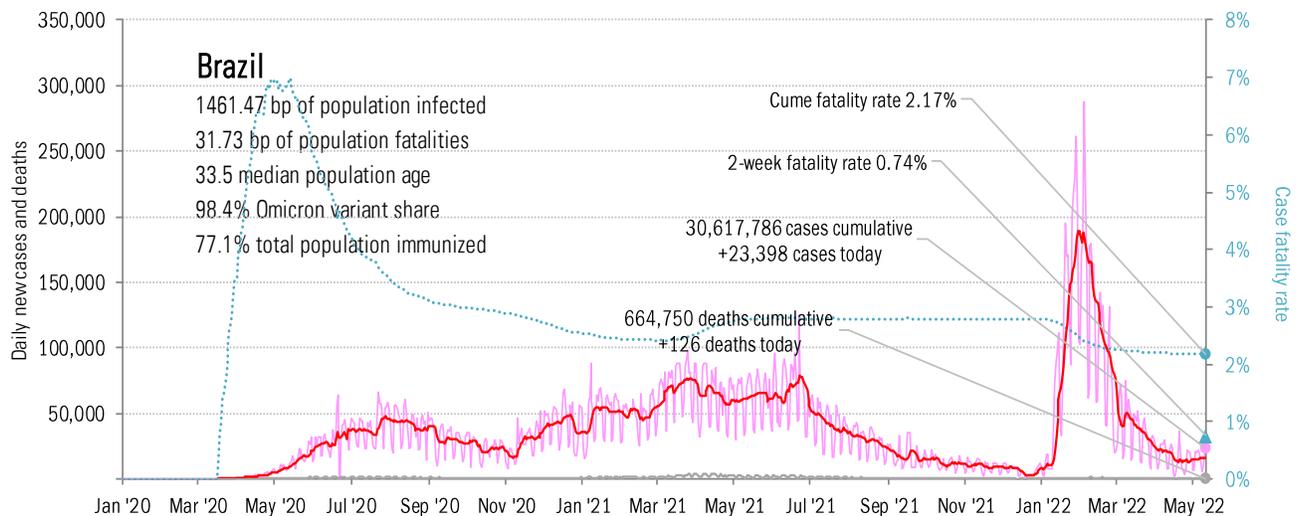
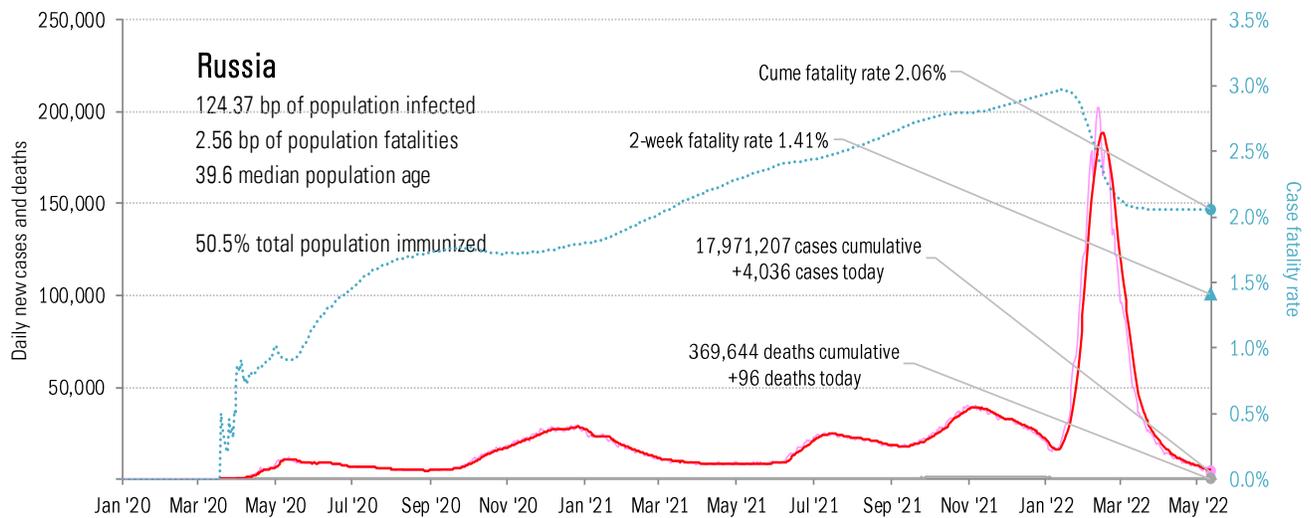
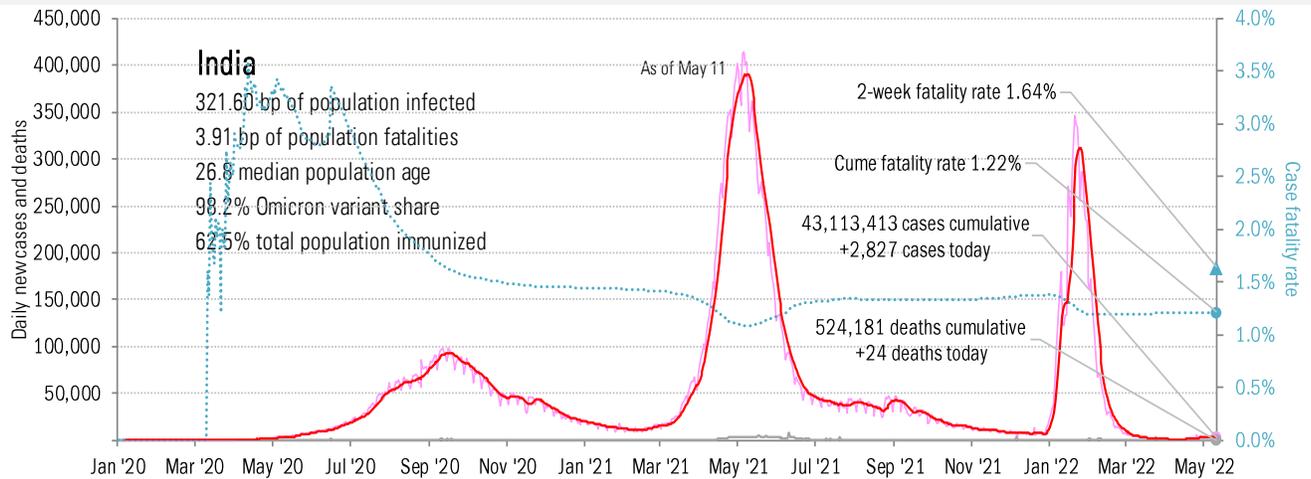
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

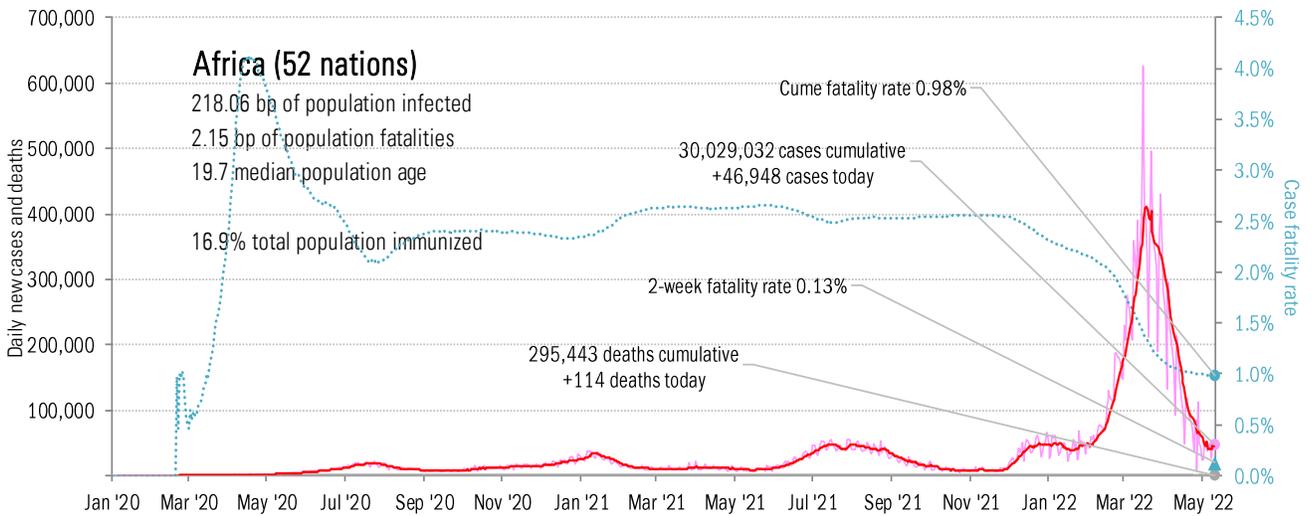
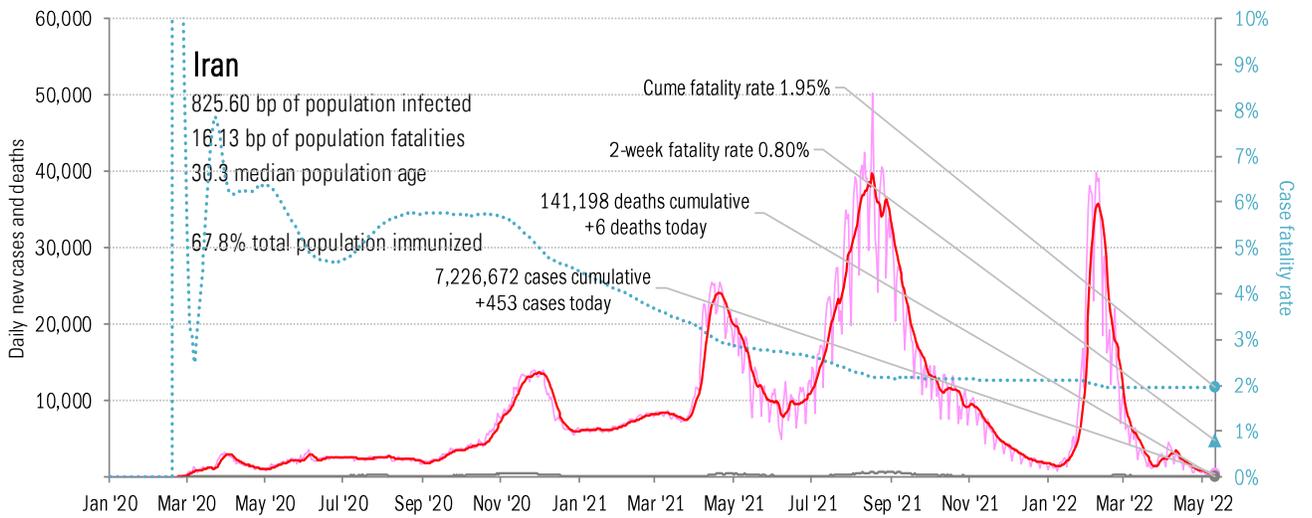
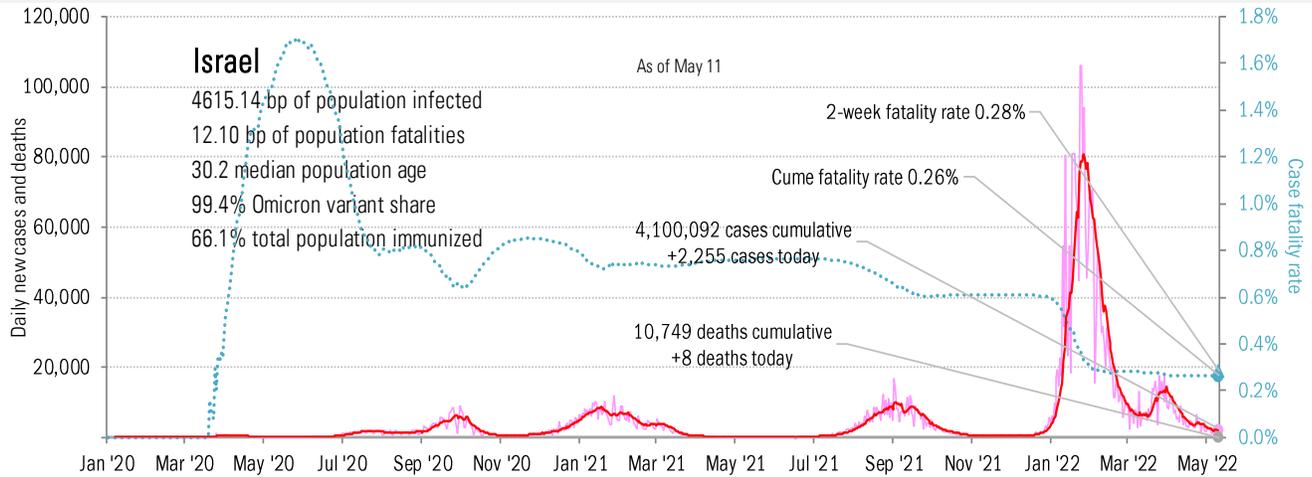
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

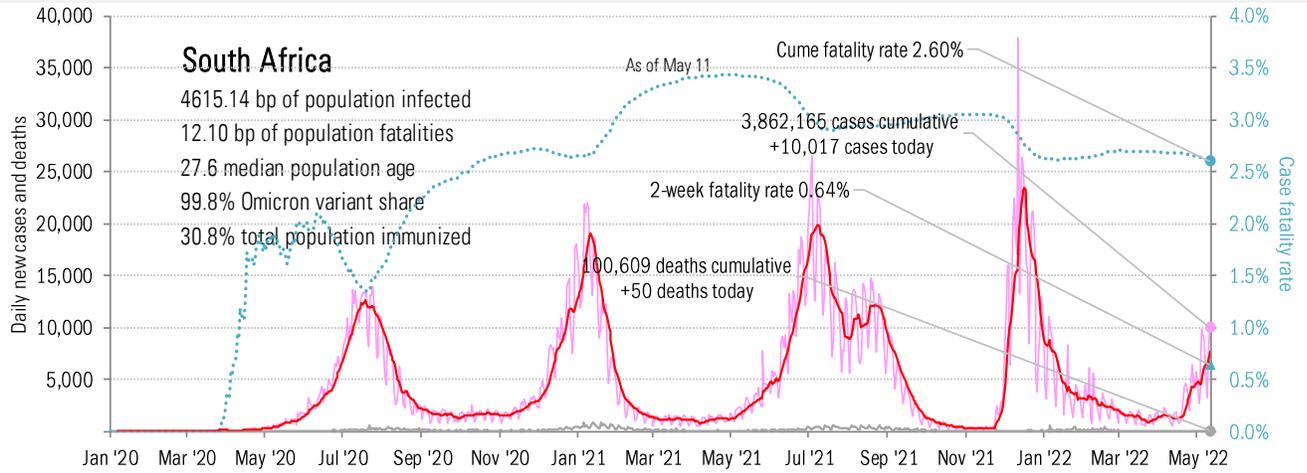
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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