

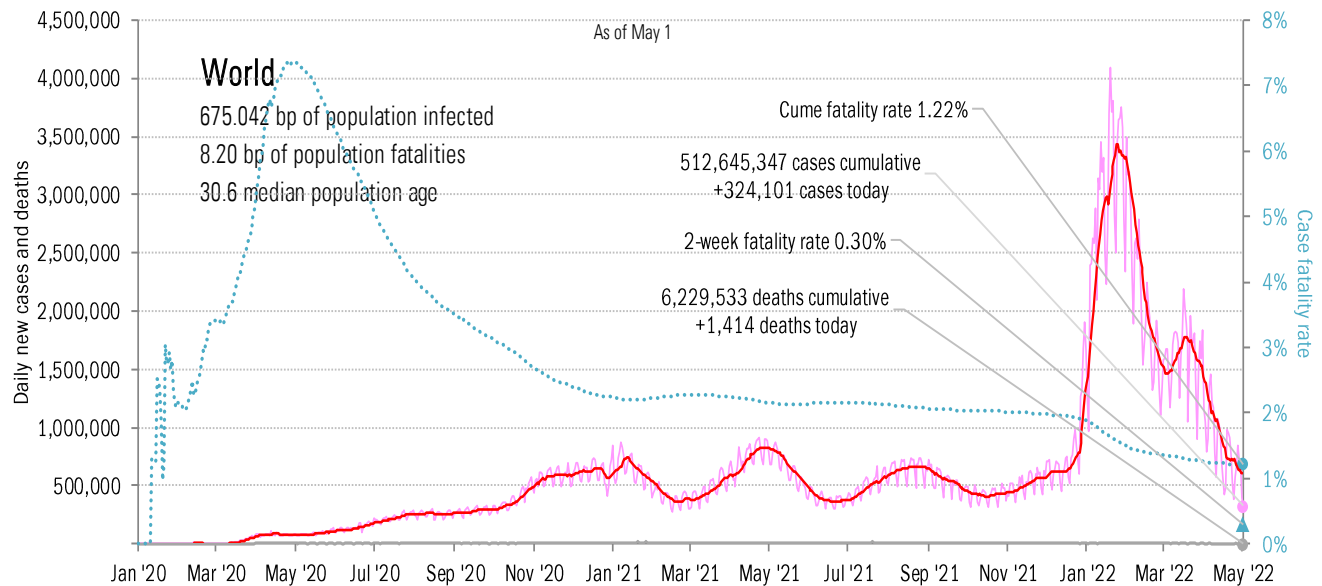
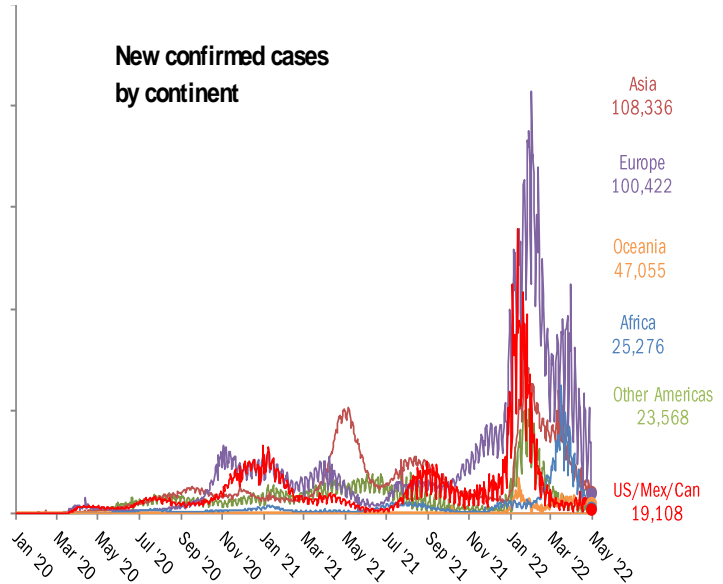
Data Insights: Covid-2019 Monitor

Monday, May 2, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
China	50,507	United States	531
Italy	41,591	Russia	144
Australia	39,217	Argentina	111
France	36,726	Italy	105
Japan	26,880	Korea, South	83
Korea, South	20,084	Philippines	56
Taiwan*	17,072	Japan	34
United States	16,489	China	32
Argentina	11,443	France	32
Russia	6,954	Peru	31
266,963		1,159	
World	324,101	World	1,414
Top ten	82%	Top ten	82%



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

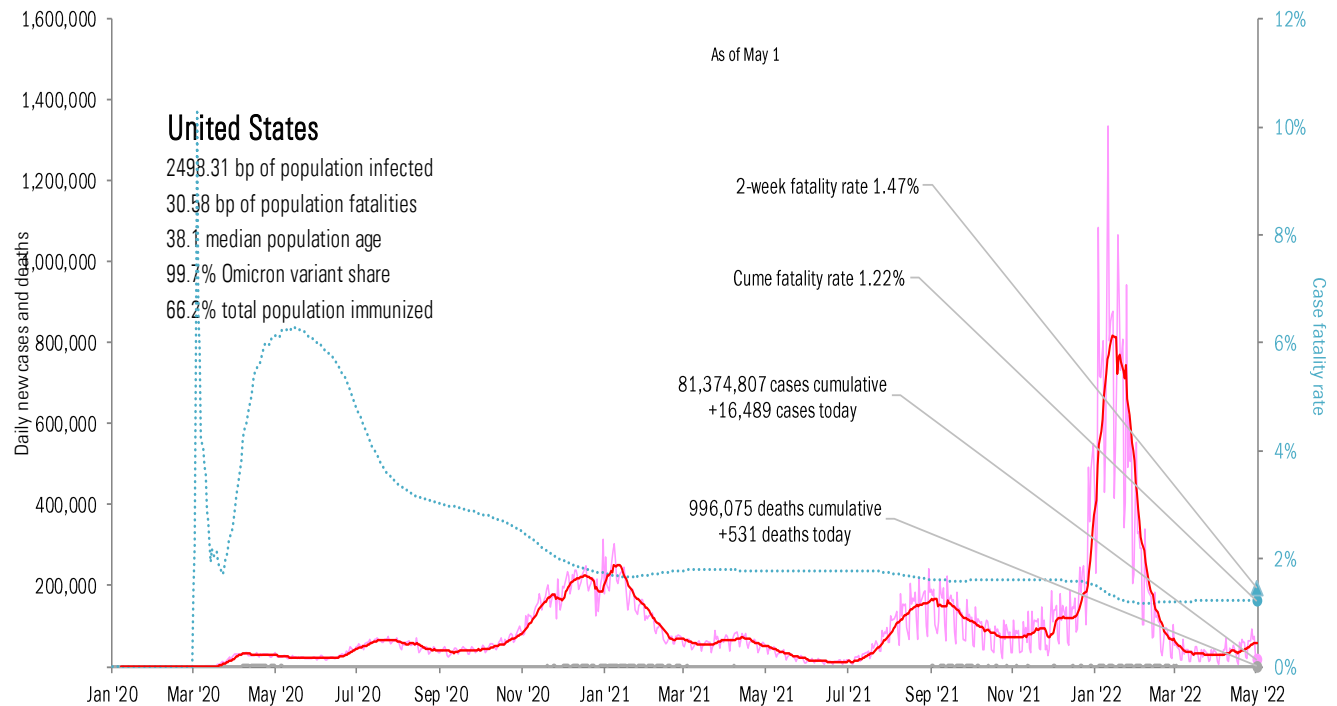
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use									
NY	5,785	FL	17	CH	147	CA	9,236,835	CA	90,329	TX	490,242	RI	90%	NM	84%														
PR	5,201	AZ	14	FL	182	TX	6,827,197	TX	88,110	CA	426,834	MD	87%	TX	82%														
NY	2,207	NY	10	NY	282	FL	5,949,284	FL	74,092	FL	417,129	MA	86%	WA	81%														
<div style="border: 1px solid black; padding: 5px;"> US state case and fatality data distorted today due to revisions. </div>						CA	160	NY	68,354	NY	251,357	MN	84%	KY	80%														
						PA	97	IL	3,138,682	PA	44,678	GA	207,712	WA	83%	MA	80%												
						MT	32	PA	2,821,667	CH	38,428	CH	192,017	MO	83%	RI	80%												
						WI	64	CH	2,697,058	GA	37,806	PA	177,411	DE	81%	AL	77%												
AR	59	PA	1	MI	107	NC	2,659,255	IL	36,047	IL	158,627	WV	81%	VT	77%														
AK	0	AK	0	CT	61	GA	2,515,139	MI	36,002	MI	142,741	GA	80%	DE	77%														
AL	0	AL	0	MN	52	MI	2,425,946	NJ	33,430	KY	133,194	PA	80%	NC	76%														
16,704			52			1,184			43,444,970			547,276			2,597,264														
All states			16,489			531			2,180			All states			81,374,807			996,075			4,715,760			All states		70%		67%	
Top ten			101%			10%			54%			Top ten			53%			55%			55%			Median		74%		71%	

Some states not reporting

Five most improved US states

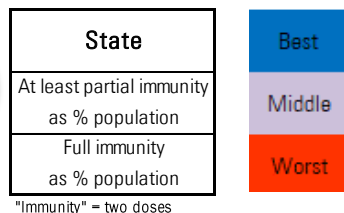
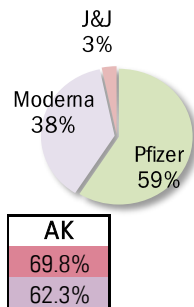
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-6,561	FL	-111	NJ	-34	AZ	+10 bp
AZ	-2,356	PA	-13	NC	-23	FL	+10 bp
TX	-1,134	NY	-10	PR	-19	ID	+10 bp
ME	-1,018	TX	-10	VA	-16	MA	+10 bp
PA	-1,005	ME	-3	AK	-15	MC	+10 bp



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	591,428,705		+0.196 million		US	66.2%	77.6%
Boosters	101,973,106		+0.036 million		UK	72.9%	78.0%
	One dose	% Pop	Immune	% pop	New immune today	France	77.9%
Total population	265,470,398	79%	226,030,143	68%	+0.028 million	Spain	86.5%
Age 12 to 17	17,721,753	70%	15,113,559	60%	+0.002 million	Germany	76.8%
Age 18 to 64	178,537,907	88%	151,434,854	74%	+0.014 million	Italy	79.4%
Age 65 and over	58,906,089	100%	51,185,814	93%	+0.008 million	Australia	83.5%



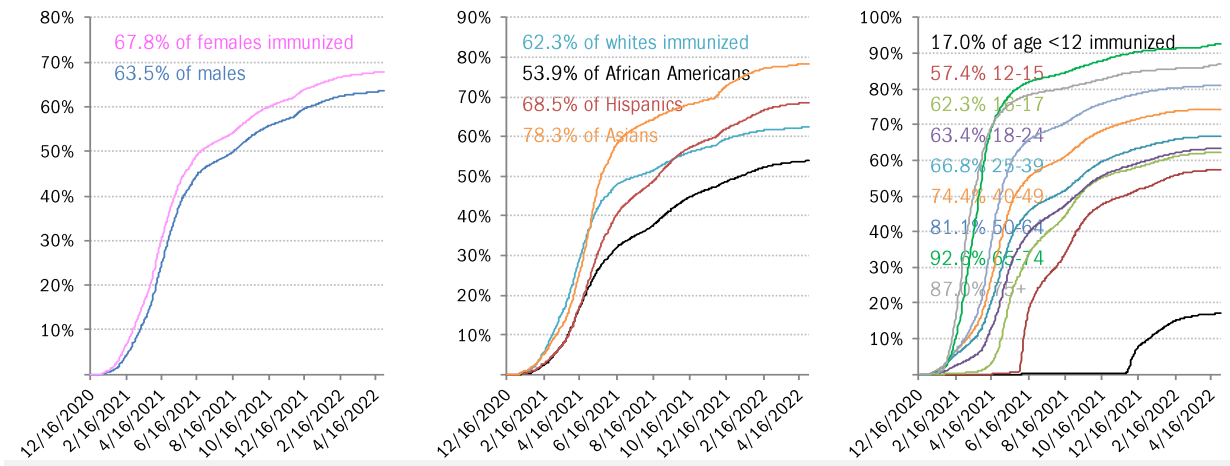
Israel	66.0%	72.2%
Canada	82.3%	87.2%
Japan	80.6%	81.9%
Africa	16.6%	22.0%
India	61.7%	72.0%
Brazil	76.6%	85.3%
China	86.5%	89.0%

Global data differs due to sources, timing

As of May 1

State	Best	Middle	Worst
AK	69.8%	62.3%	
WI	71.8%	65.6%	
ME	90.4%	79.5%	
NY	90.2%	76.9%	
VT	93.5%	81.1%	
NH	88.0%	70.2%	
OR	77.9%	69.6%	
WA	80.8%	72.6%	
ID	61.1%	54.1%	
MT	65.2%	56.7%	
ND	64.9%	54.9%	
MN	75.1%	69.2%	
IL	76.7%	68.7%	
MI	67.0%	60.1%	
IA	67.9%	61.9%	
IN	61.4%	54.8%	
OH	63.5%	58.4%	
PA	84.9%	68.4%	
NJ	90.4%	75.6%	
MA	95.0%	79.0%	
CA	83.7%	72.1%	
UT	72.1%	64.3%	
CO	79.4%	70.2%	
NE	70.3%	63.6%	
MO	66.2%	56.1%	
KY	66.1%	57.4%	
WV	65.0%	57.6%	
VA	85.7%	73.2%	
MD	86.5%	75.6%	
CT	95.0%	79.2%	
RI	95.0%	82.5%	
AZ	73.1%	61.6%	
NM	87.7%	71.1%	
KS	74.5%	61.4%	
AR	66.7%	54.4%	
TN	62.2%	54.5%	
NC	84.2%	61.1%	
SC	67.3%	56.7%	
DC	95.0%	74.3%	
DE	83.1%	69.1%	
OK	71.1%	57.2%	
LA	61.0%	53.5%	
MS	59.6%	51.8%	
AL	62.7%	51.1%	
GA	65.3%	54.7%	
TX	73.1%	61.4%	
HI	87.4%	78.2%	
FL	79.3%	67.0%	
PR	94.9%	83.0%	

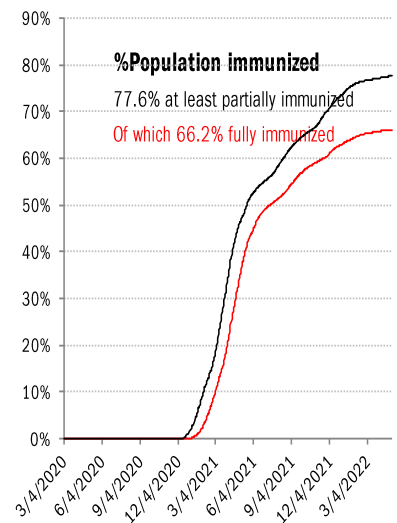
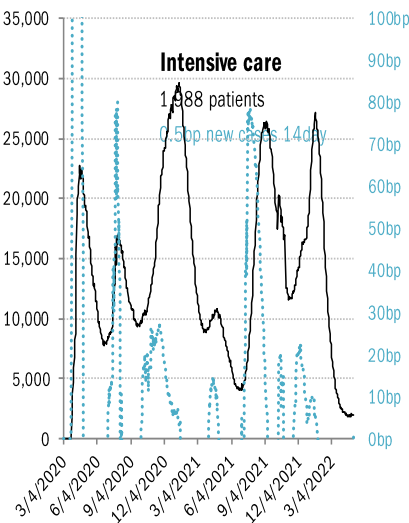
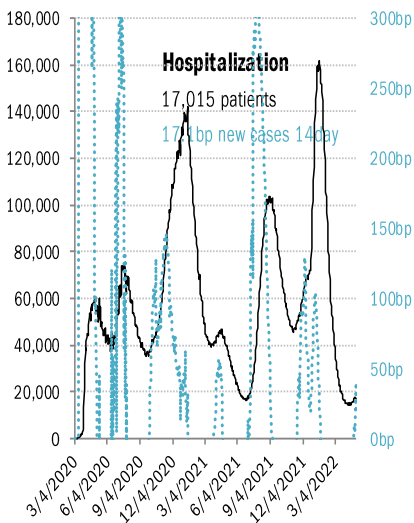
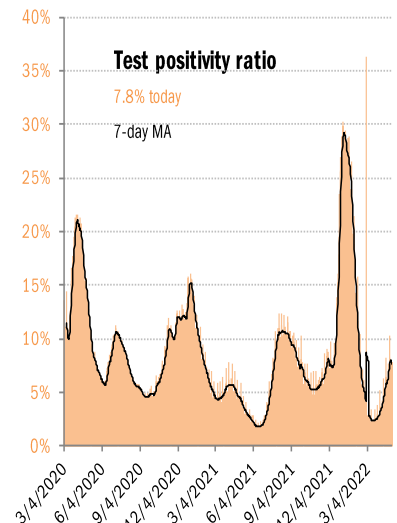
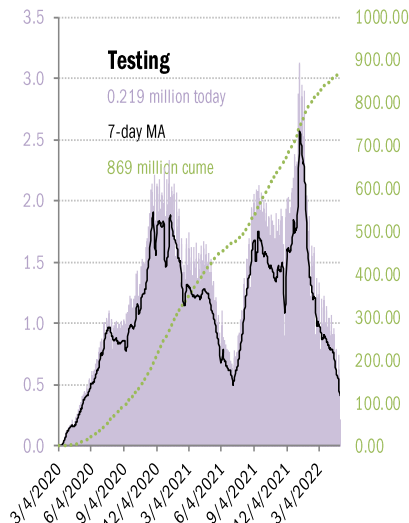
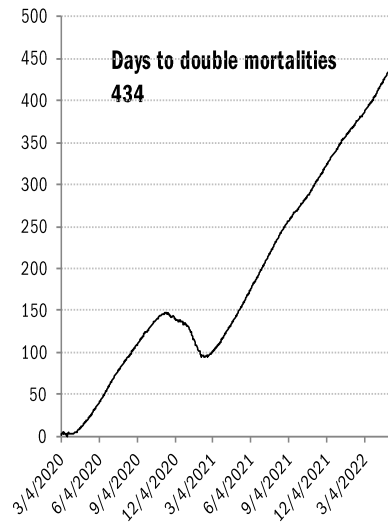
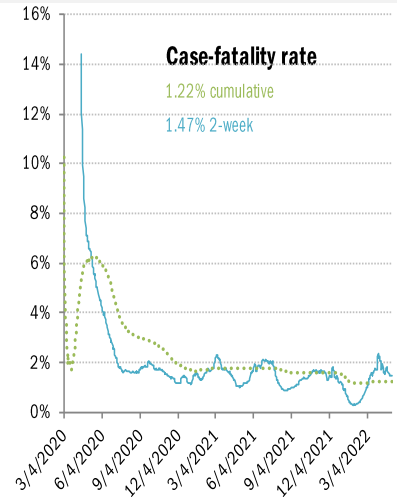
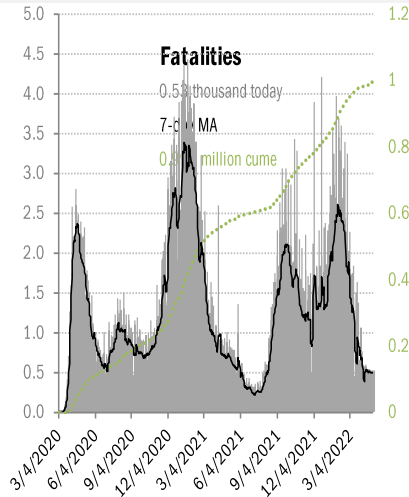
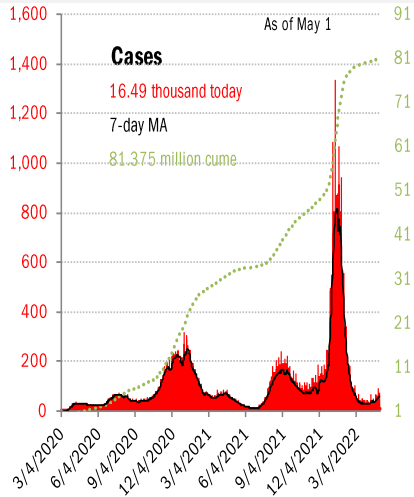
The demographics of US vaccination



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

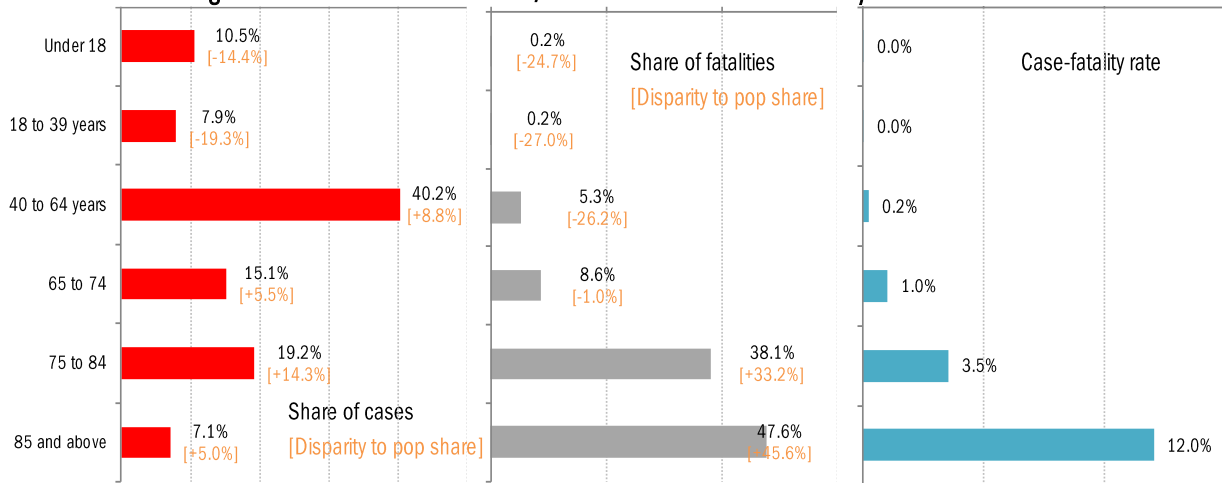
US deep-dive

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

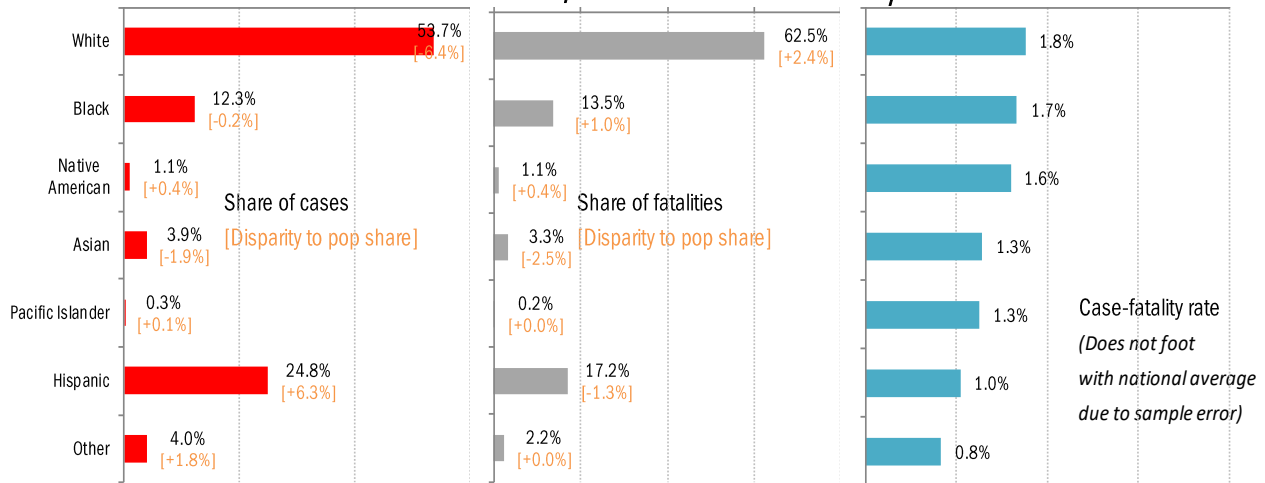


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

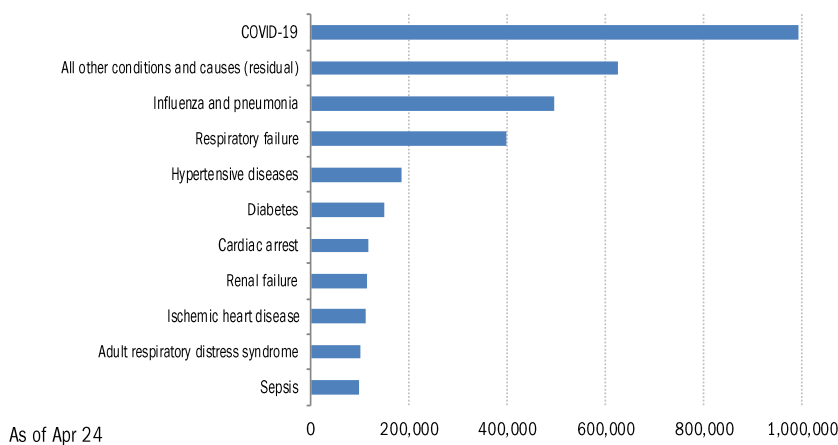


Racial distribution of US cases, fatalities and case-fatality rates



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

[Loss of Pandemic Aid Stresses Hospitals That Treat the Uninsured](#)

Noah Weiland
New York Times
May 1, 2022

[Florida lost 70,000 people to Covid. It's still not prepared for the next wave.](#)

Arek Sarkissian
Politico
May 1, 2022

[Inside China's Zero-Covid Fortress, Xi Admits No Doubts](#)

Chris Buckley
New York Times
May 1, 2022

[Lost microbes of COVID-19: Bifidobacterium, Faecalibacterium depletion and decreased microbiome diversity associated with SARS-CoV-2 infection severity](#)

Sabine Hazan et al.
British Medical Journal
April 28, 2022

[The Extraordinary Wealth Created by the Pandemic Housing Market](#)

Emily Badger and Quoctrung Bui
New York Times
May 1, 2022

['I'm competing with millions of people for food': What life's really like in locked-down Shanghai](#)

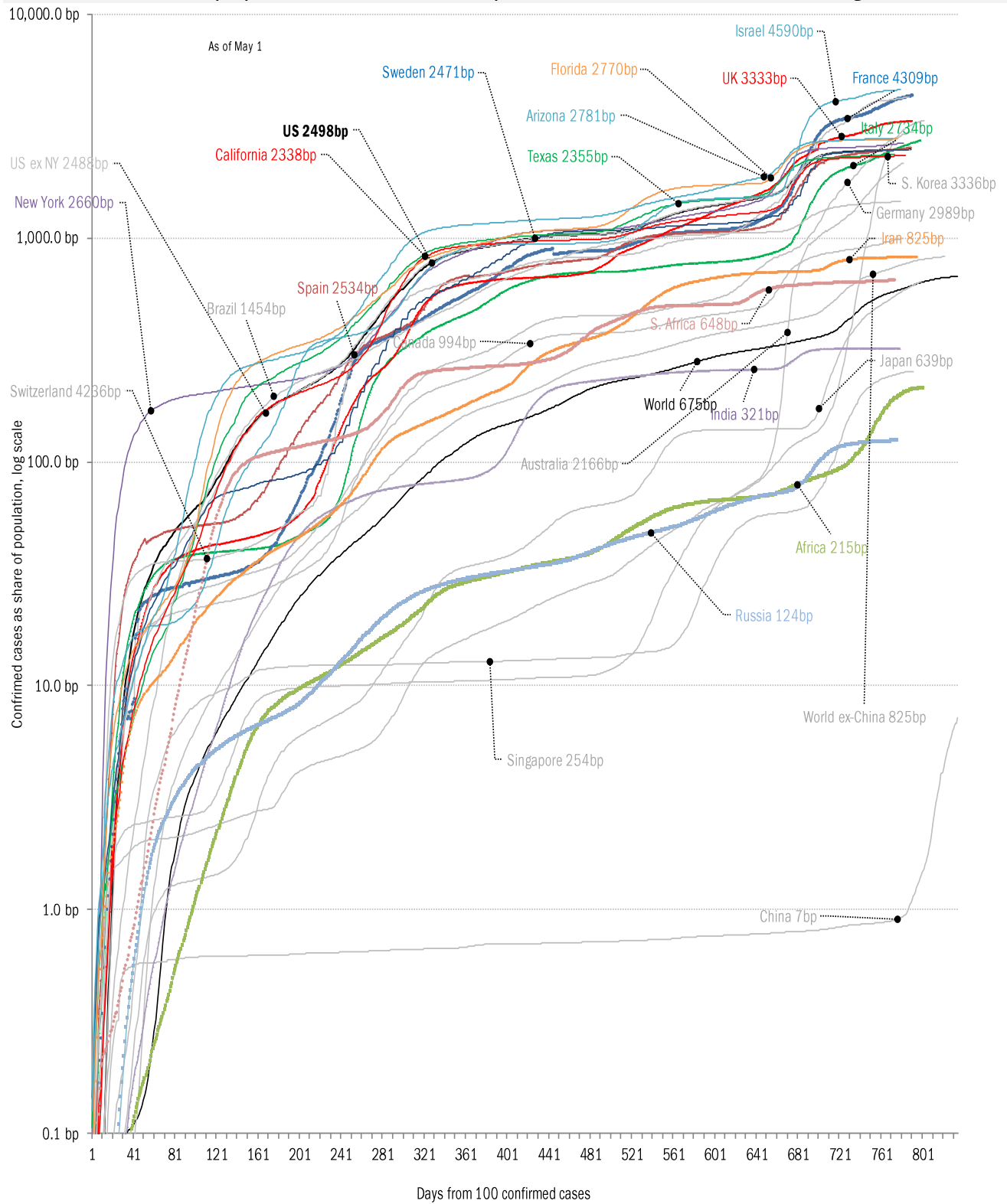
The Telegraph
April 26, 2022

Meme of the day



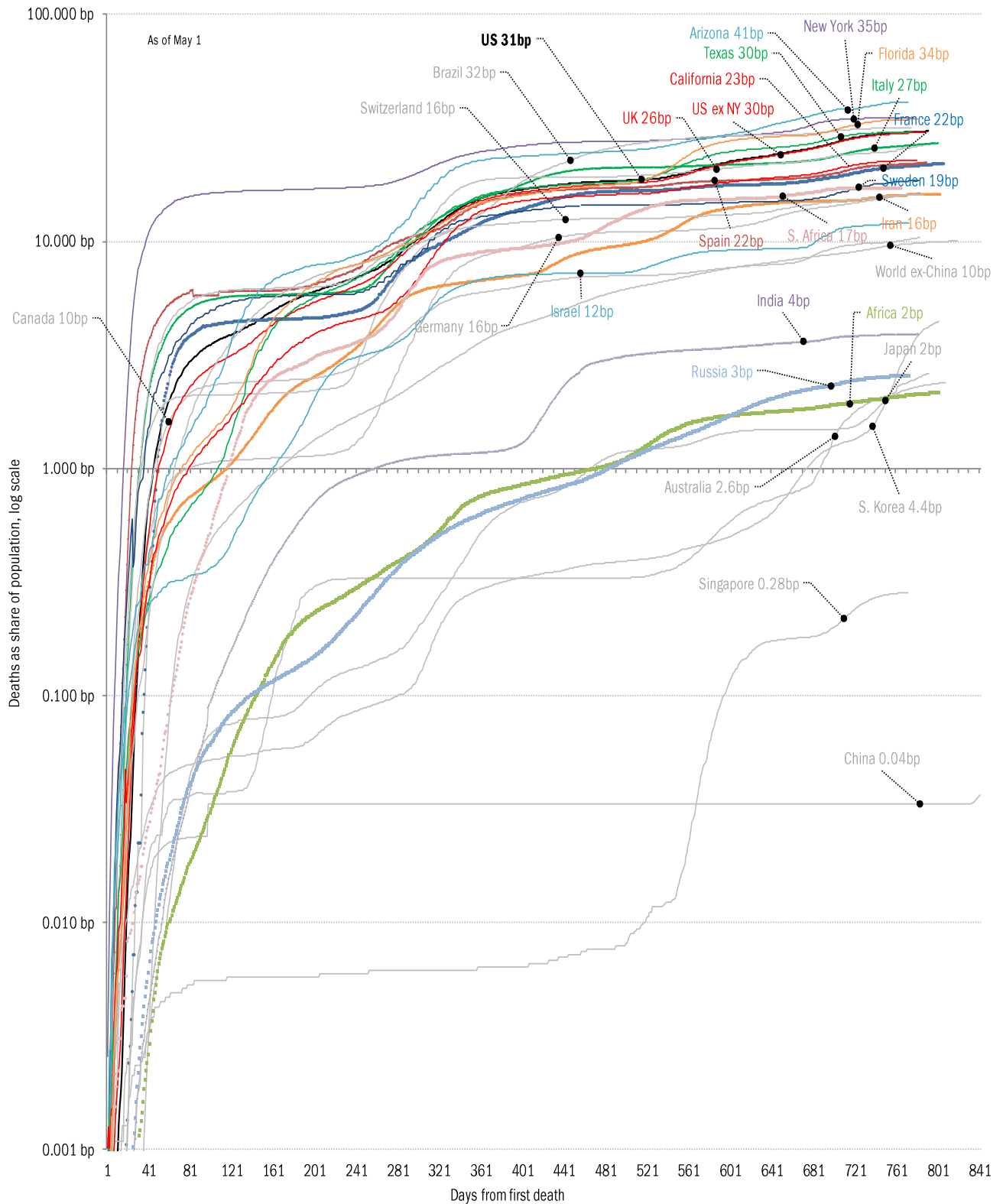
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

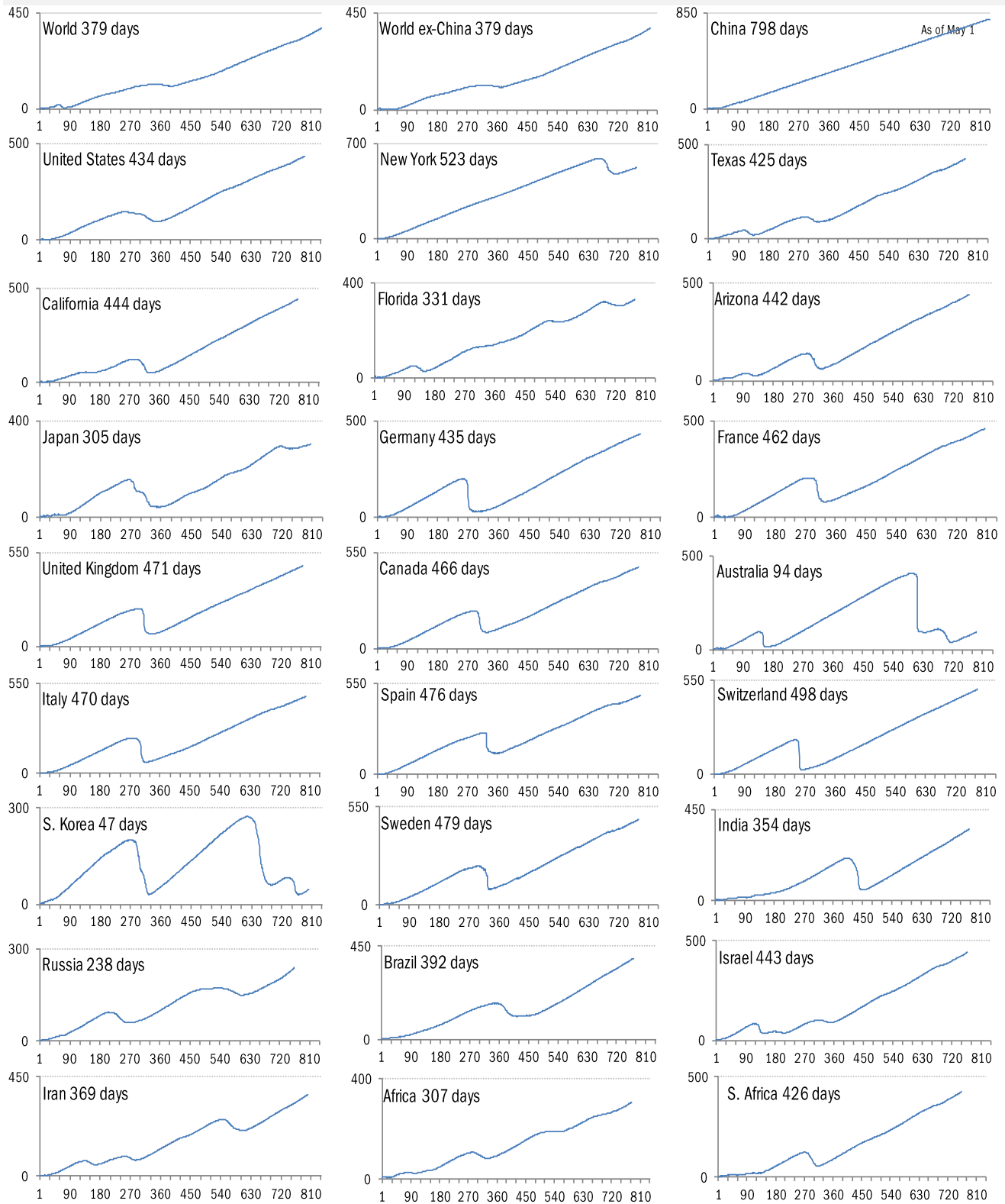


Source: [Johns Hopkins](#), TrendMacro calculations

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

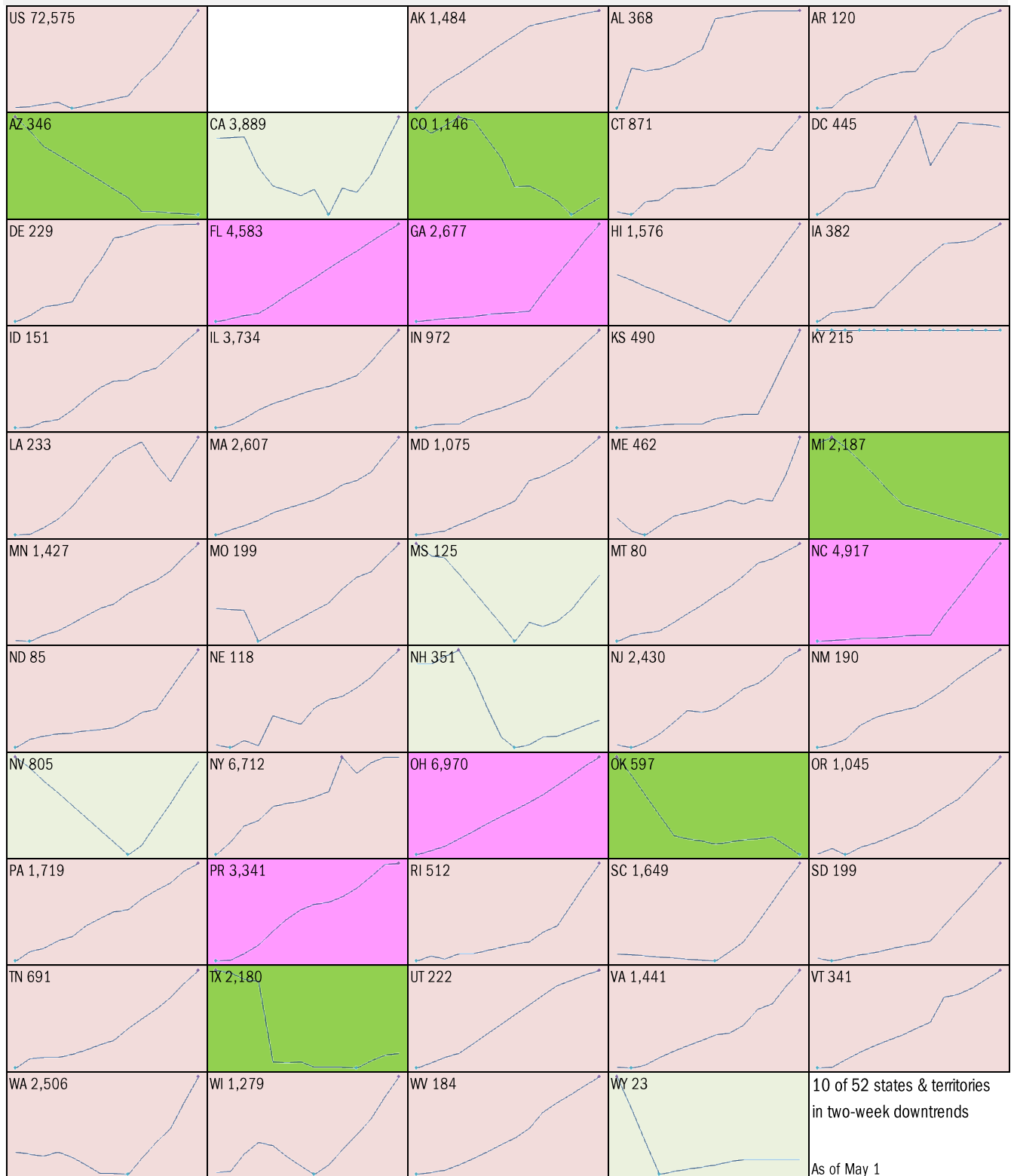


Source: [Johns Hopkins](#), TrendMacro calculations

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

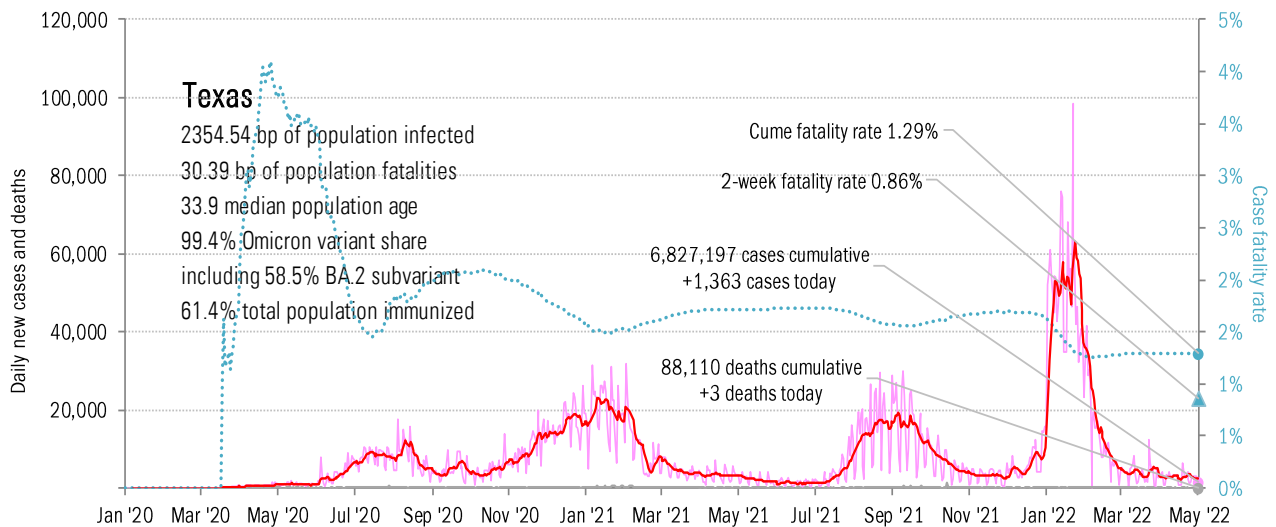
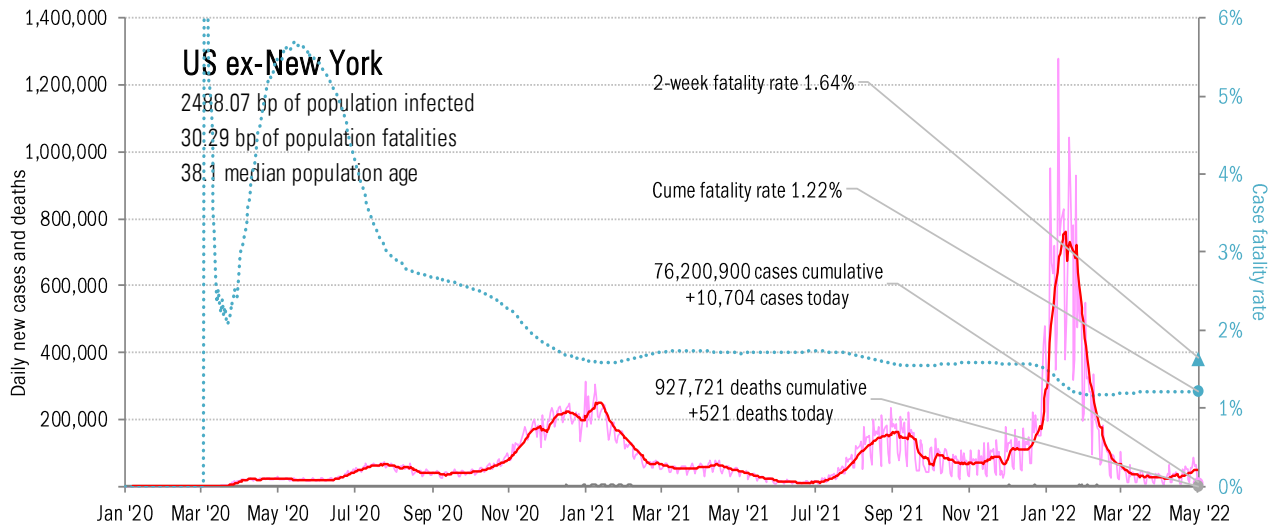
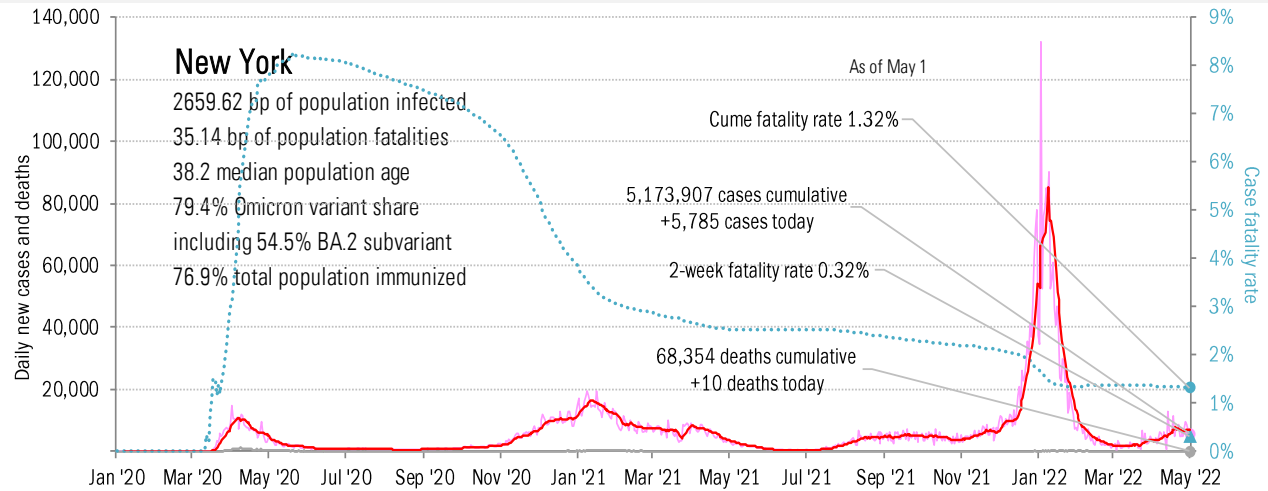
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

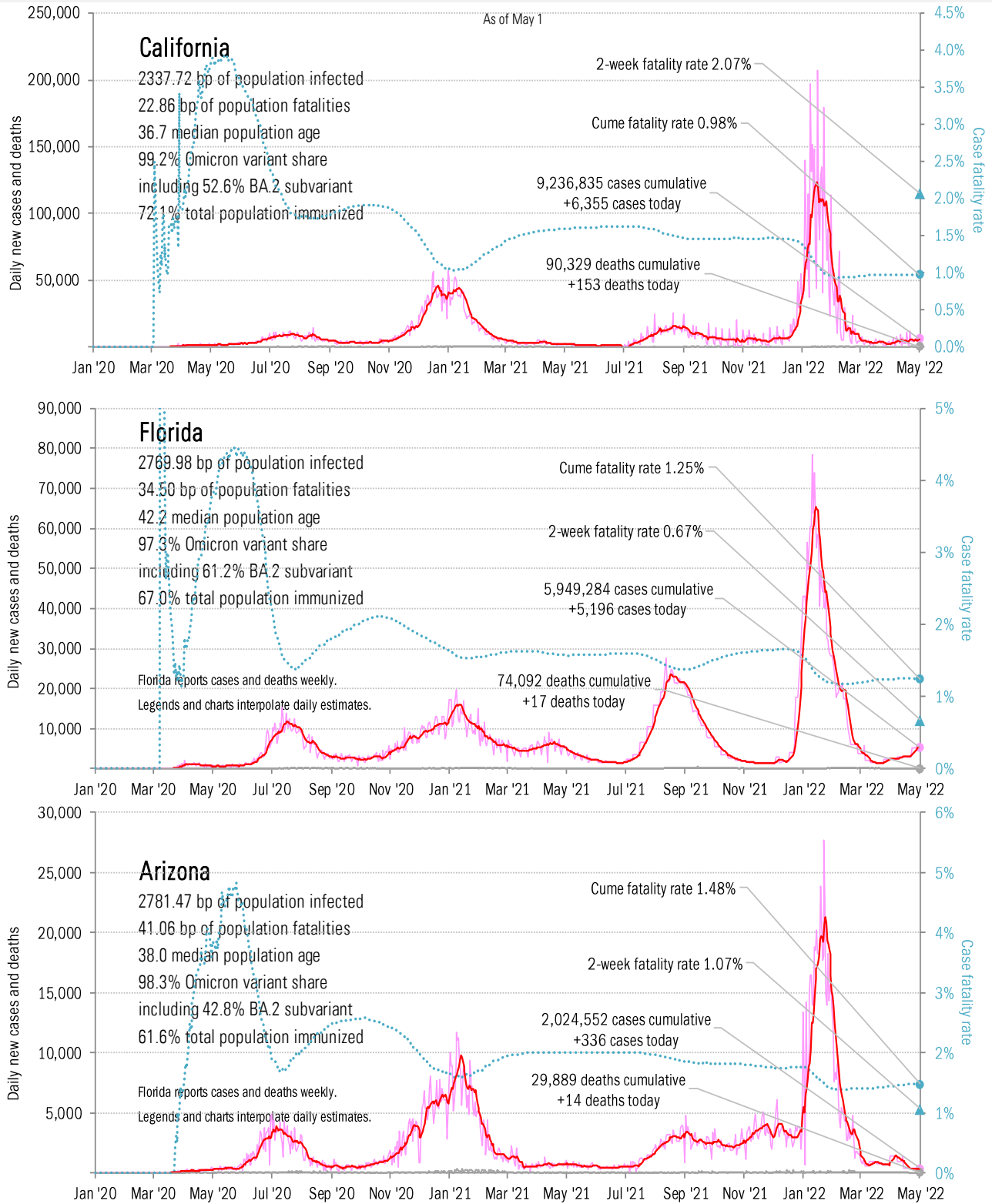
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

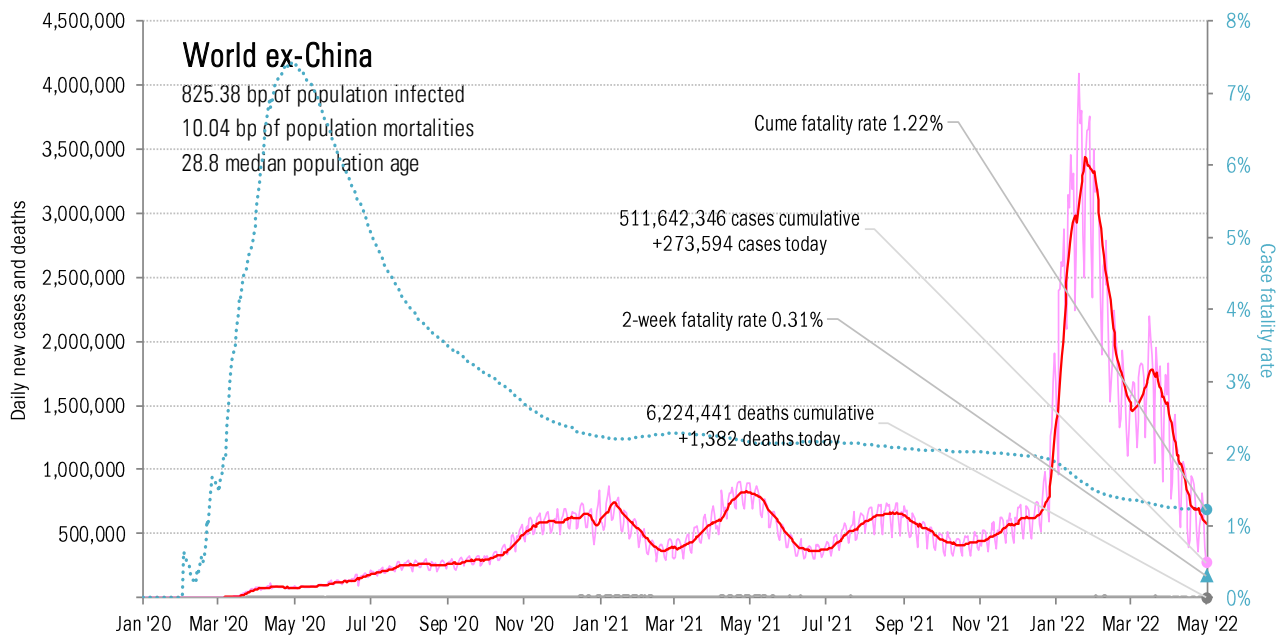
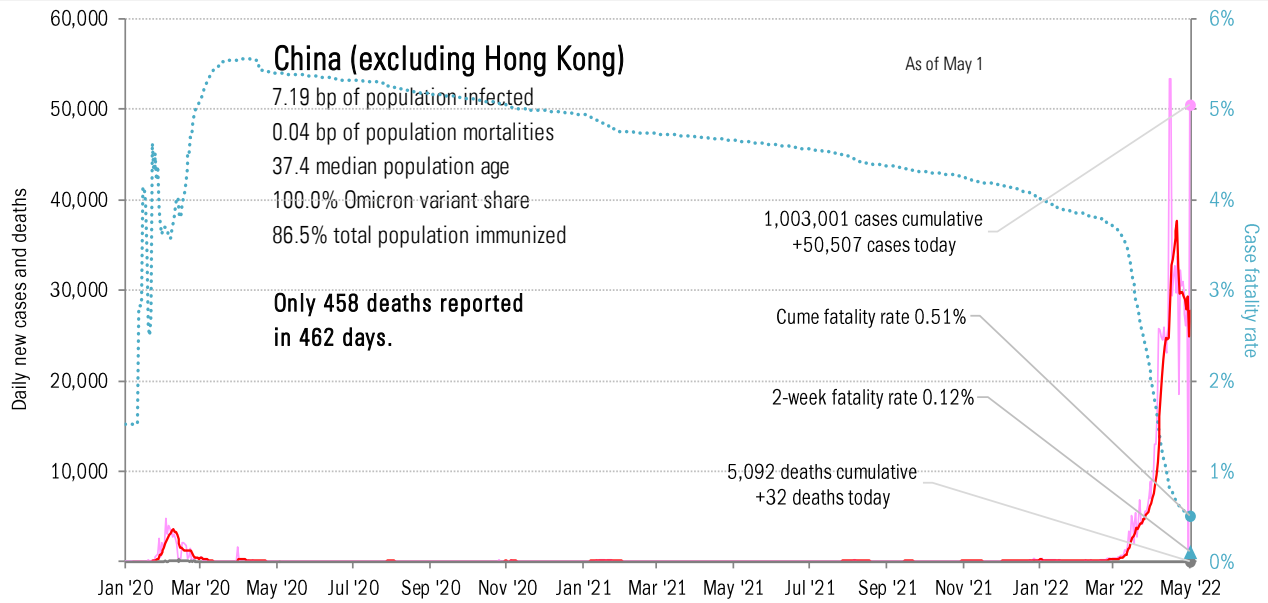
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

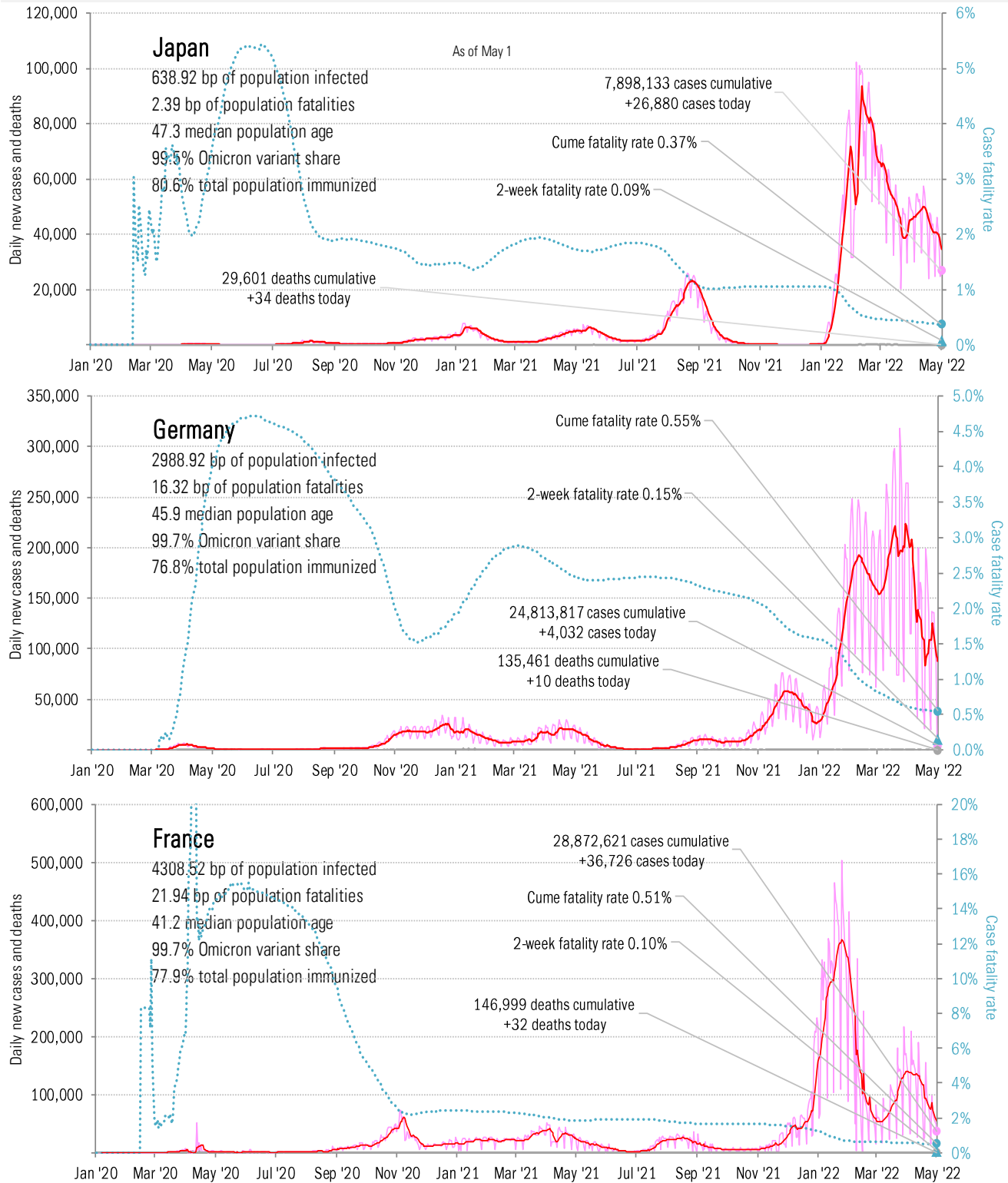
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

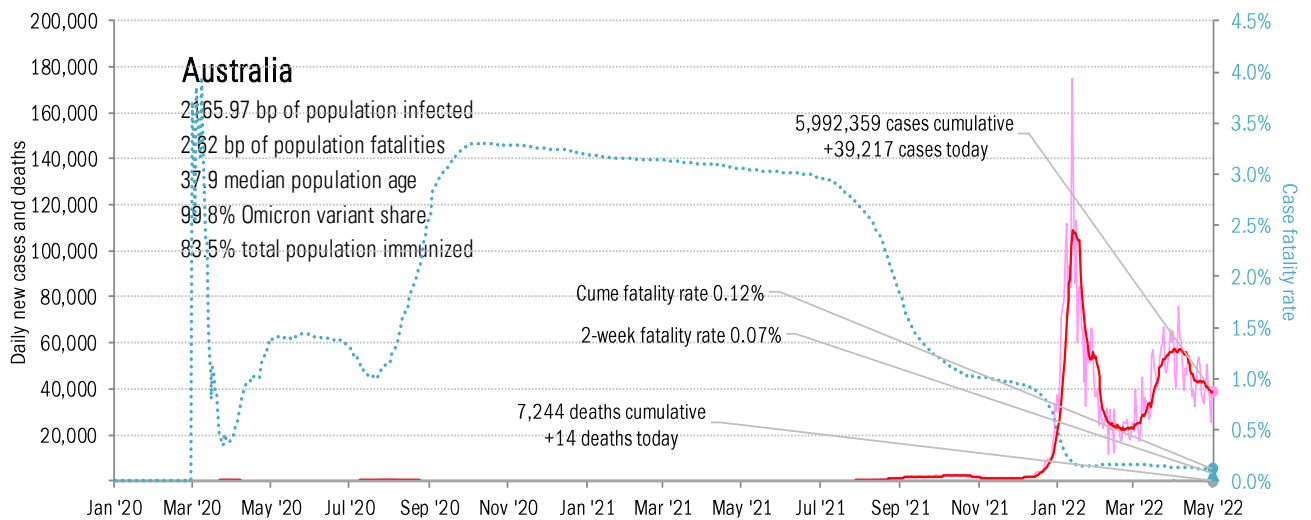
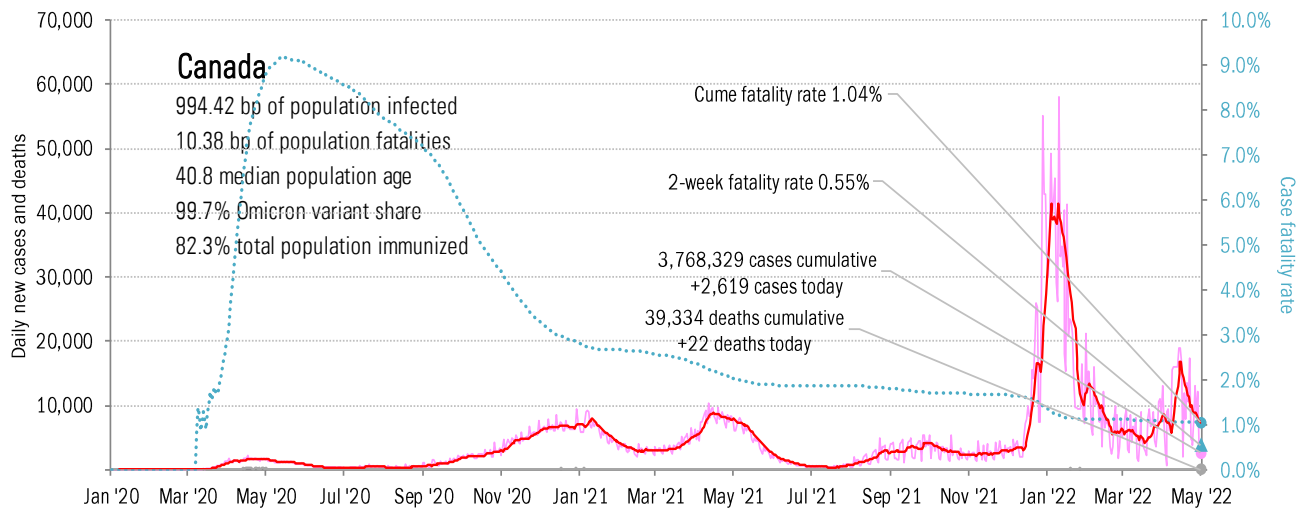
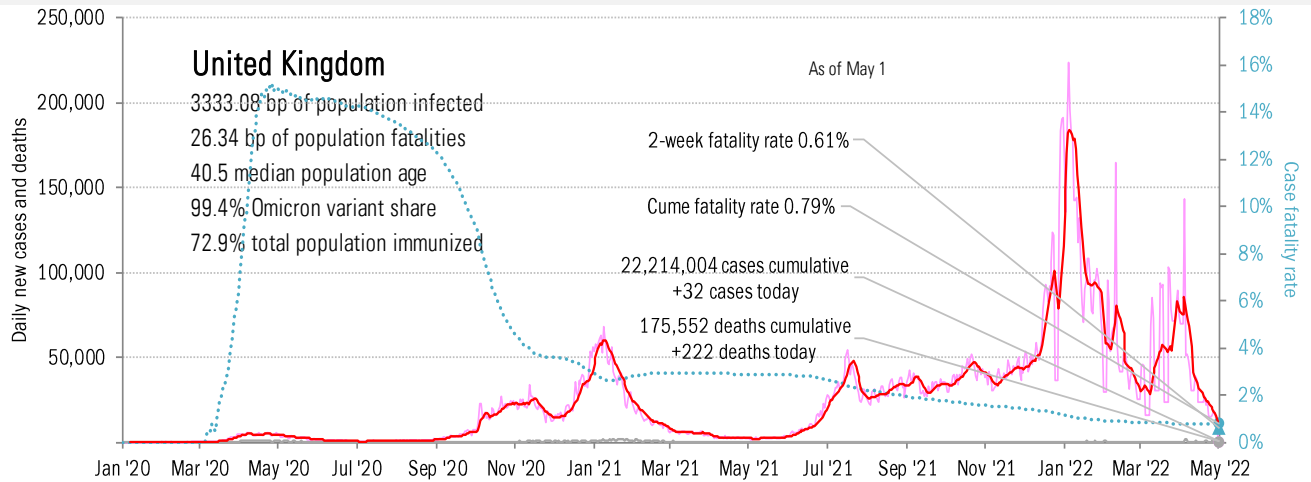
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

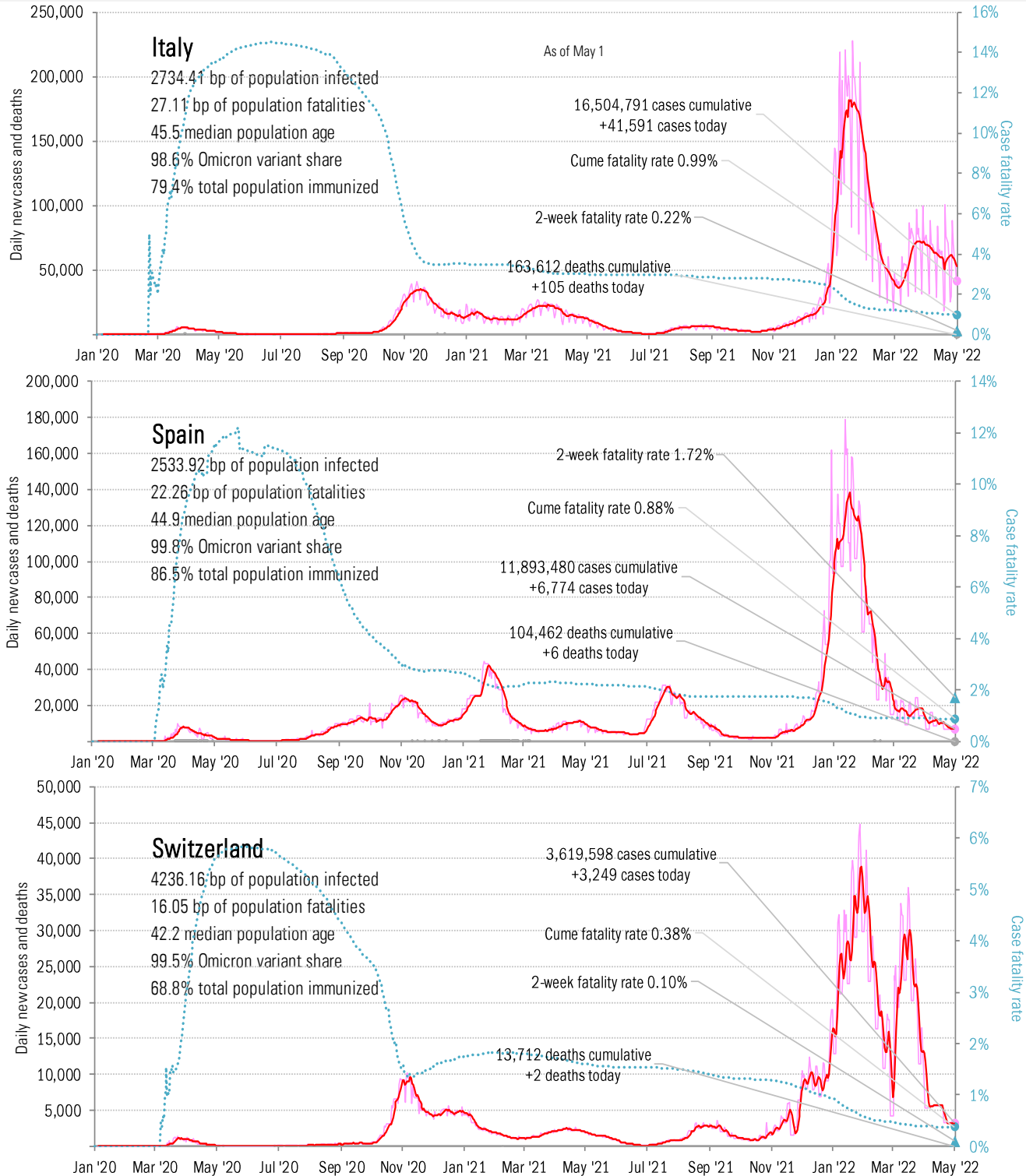
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

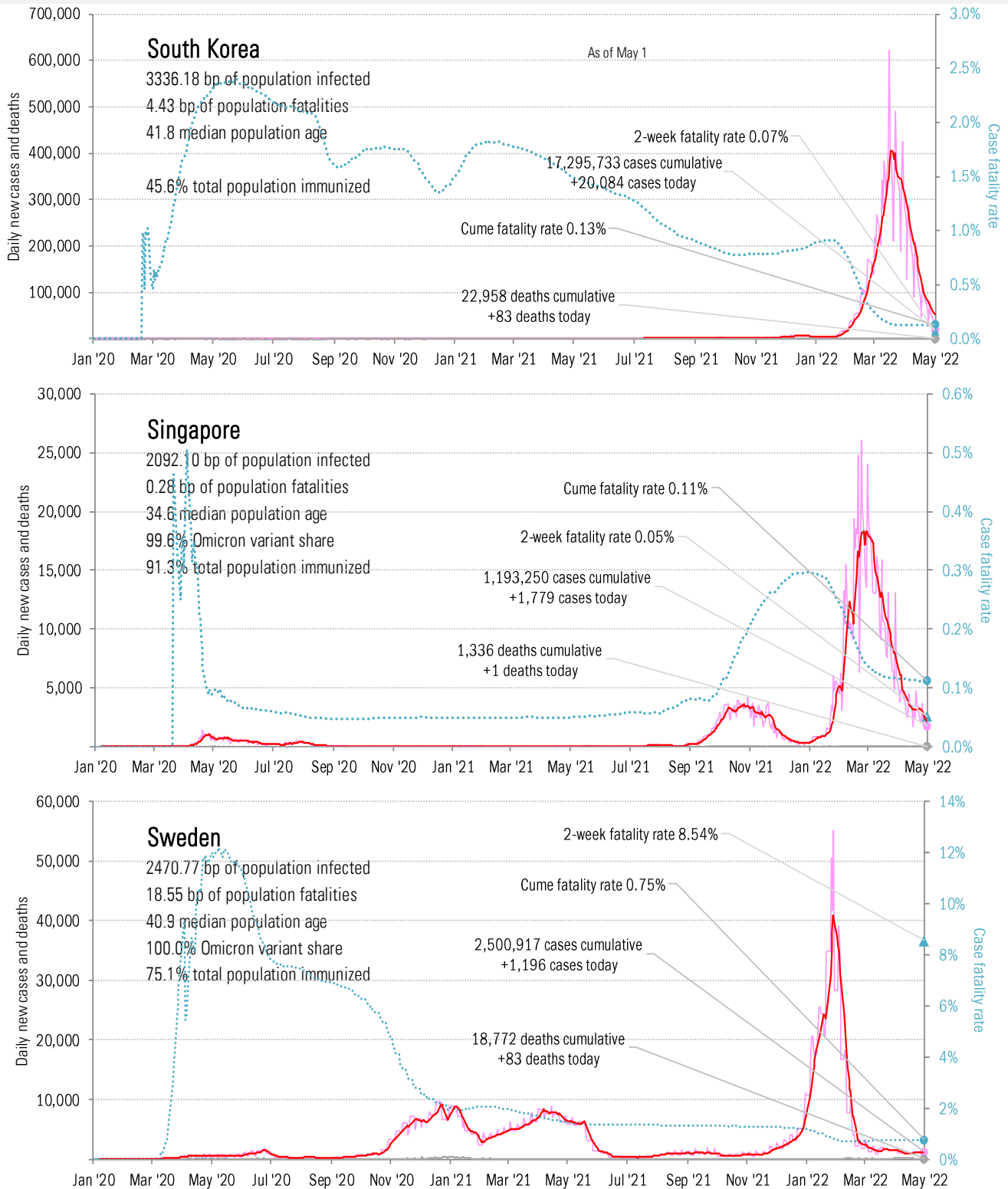
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

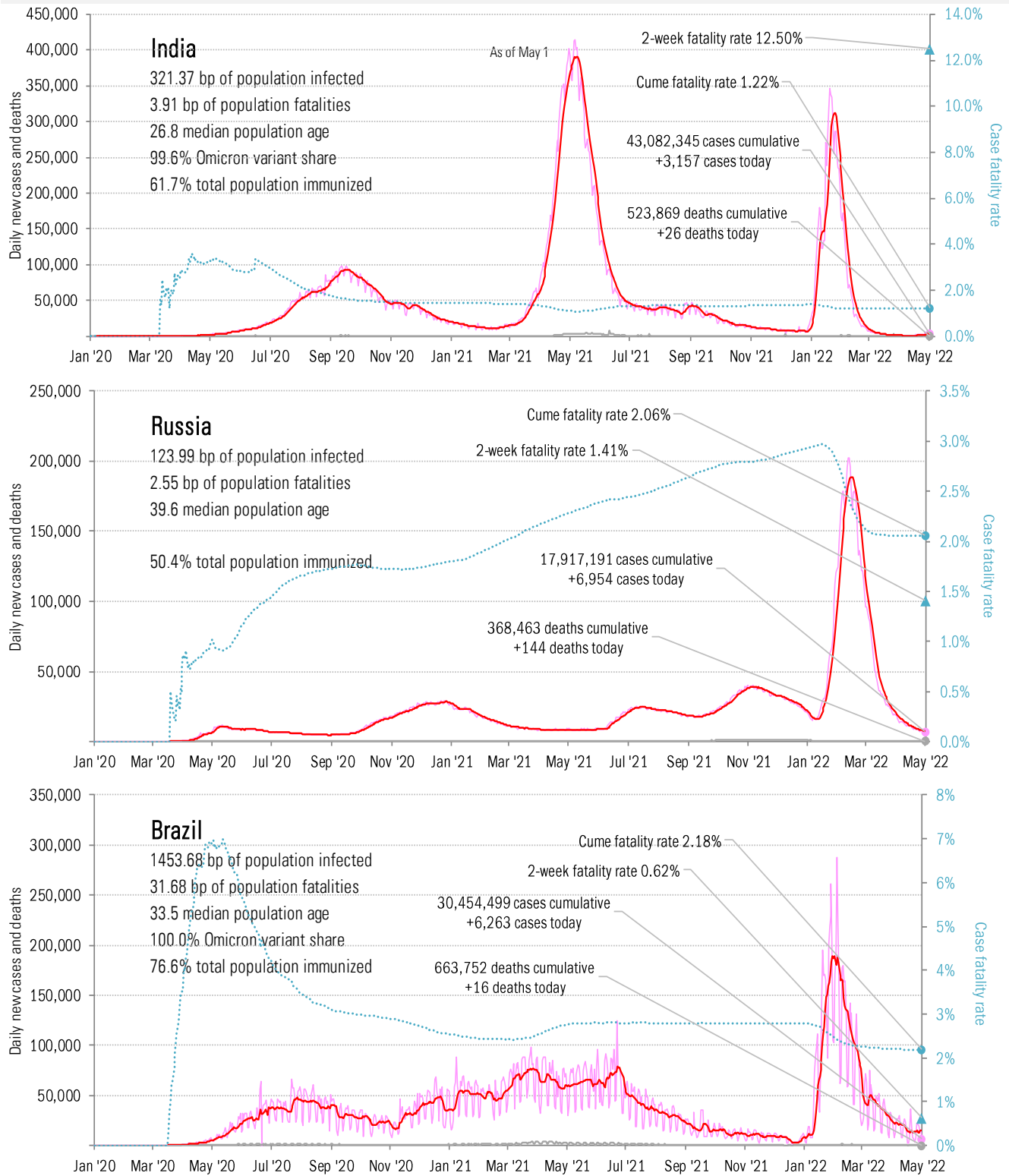
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

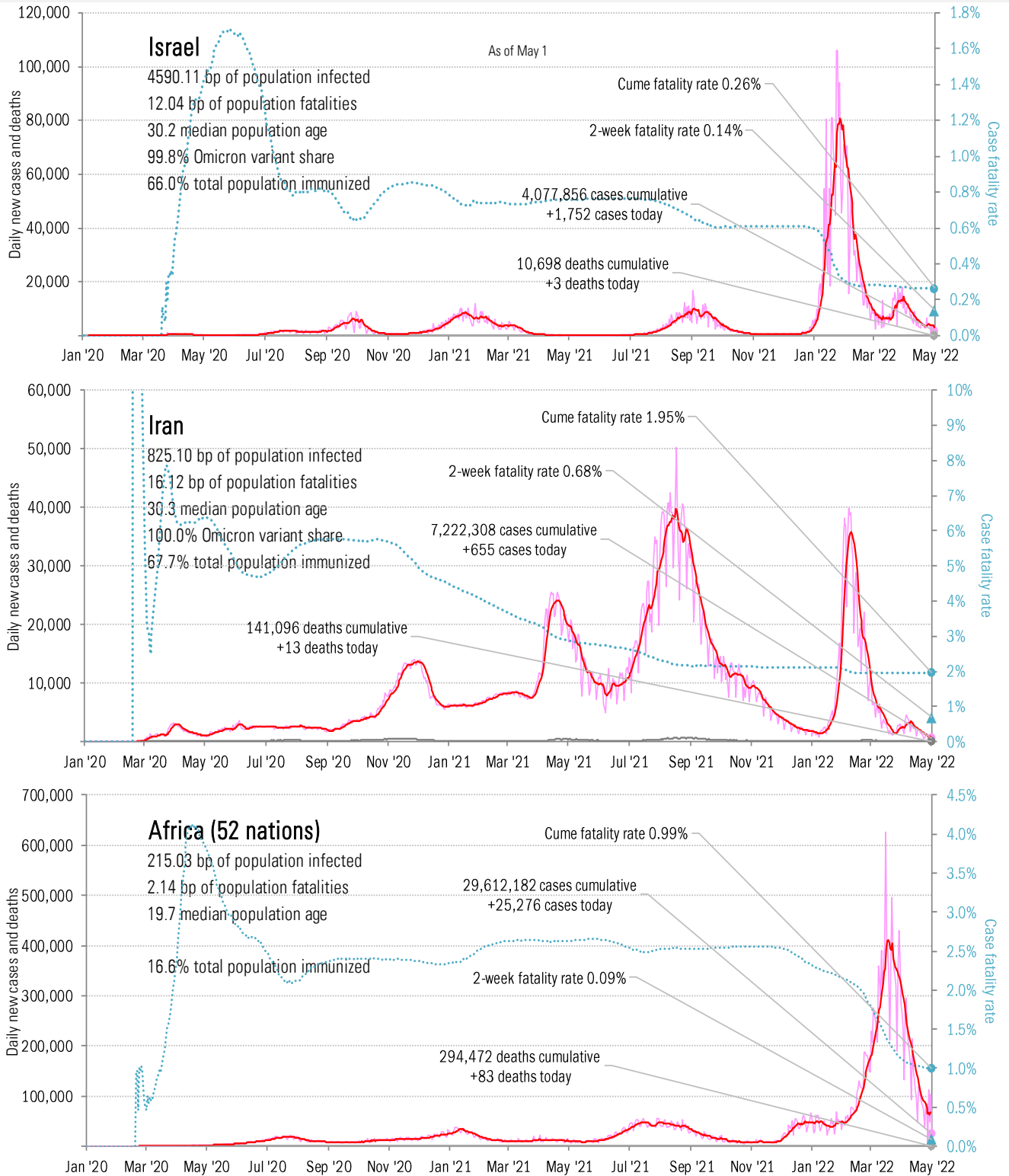
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

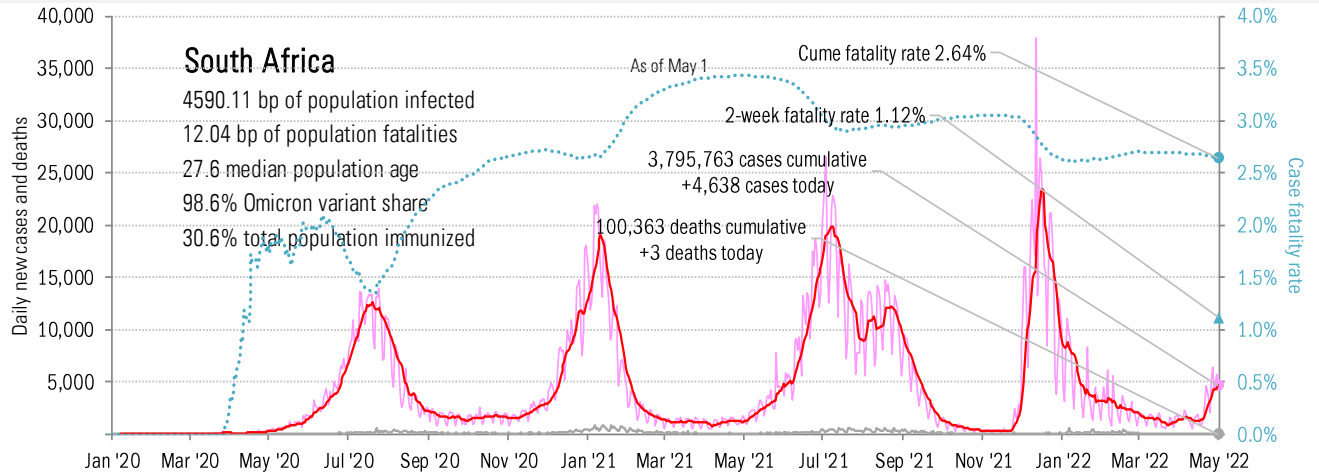
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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