

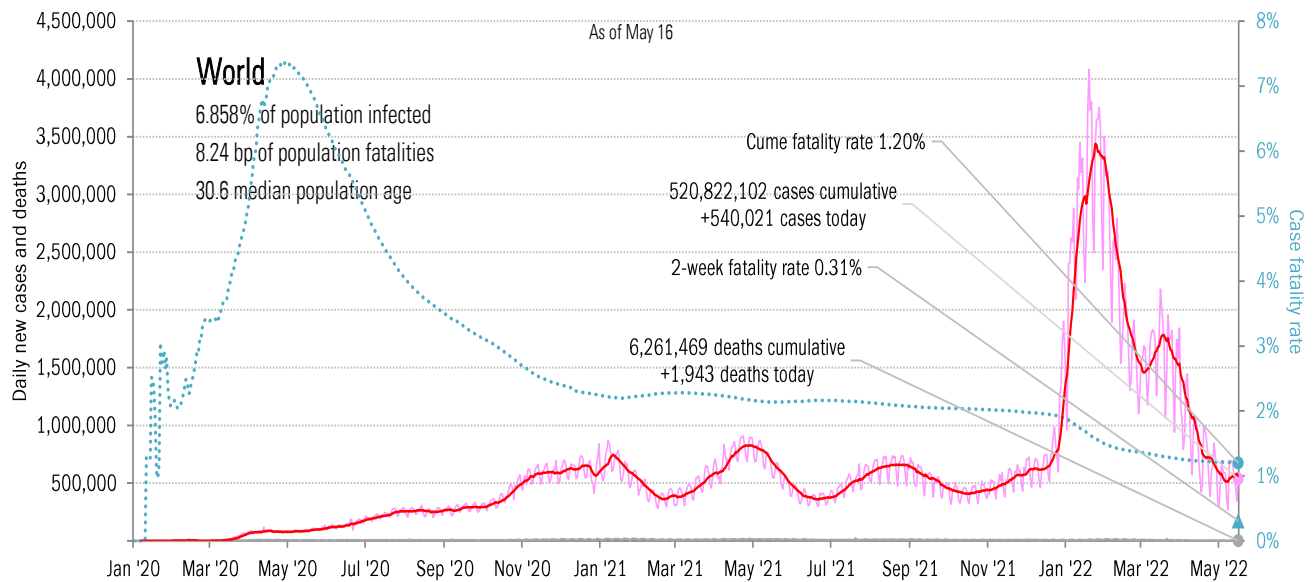
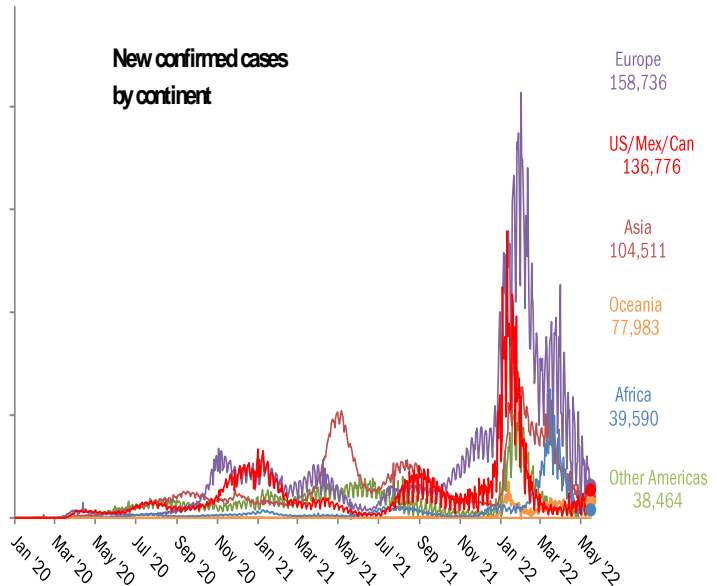
Data Insights: Covid-2019 Monitor

Tuesday, May 17, 2022

The global scorecard

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

The worst ten countries			
New cases		New Deaths	
United States	128,975	United States	464
Germany	86,252	Germany	215
Australia	67,455	France	203
Taiwan*	61,714	United Kingdom	158
Korea, South	35,072	Mexico	152
United Kingdom	23,952	Italy	102
Japan	21,673	Russia	88
Italy	13,776	Brazil	66
Brazil	13,510	Australia	65
Belgium	10,726	Belgium	43
463,105		1,556	
World	540,021	World	1,943
Top ten	86%	Top ten	80%



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

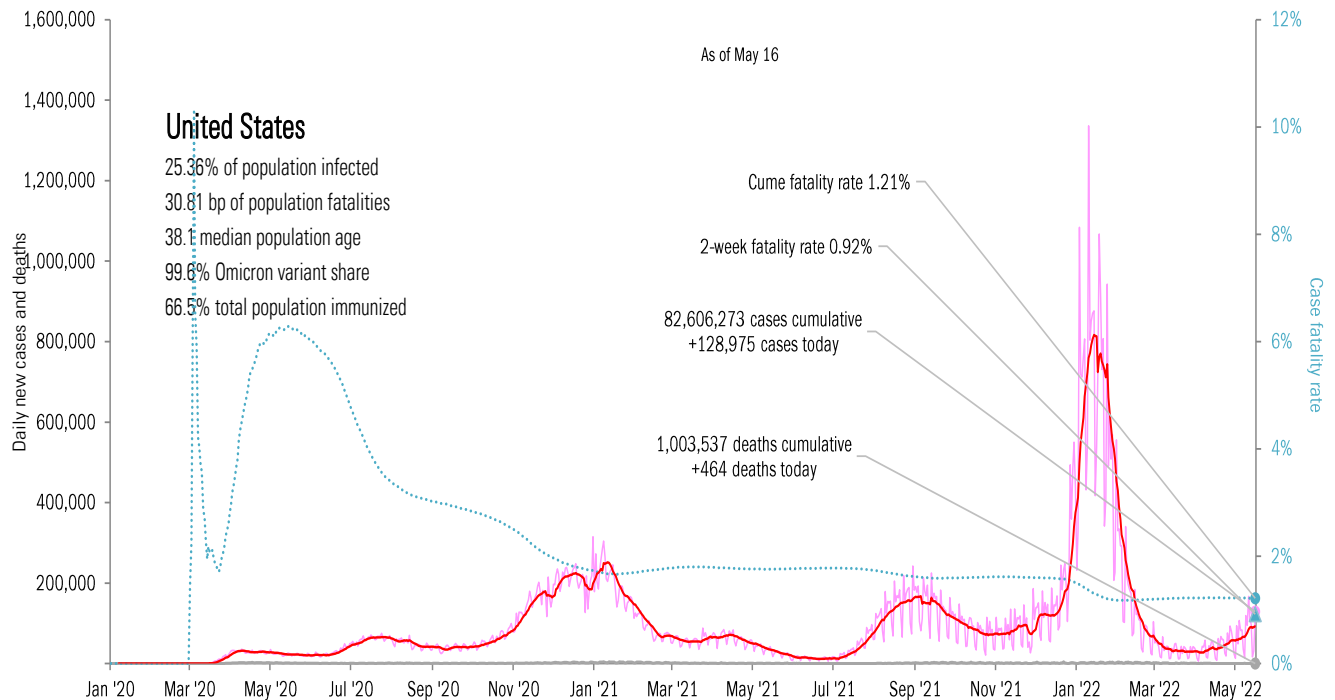
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NY	17,858		NY	33	CA	259	CA	9,357,665	CA	90,799	TX	491,990	RI	93%	NM	88%					
IL	16,856		WA	21	FL	272	TX	6,875,139	TX	88,253	CA	430,087	MN	86%	RI	83%					
MA	11,762		FL	19	NY	360	FL	6,011,518	FL	74,346	FL	420,666	MA	85%	AK	82%					
CT	10,473		CA	17	IL	160	NY	5,315,176	NY	68,670	NY	257,324	WA	83%	AL	82%					
CA	7,992		MA	16	CH	127	IL	3,226,197	PA	44,814	GA	208,456	GA	83%	VT	81%					
WA	7,798		NM	16	NJ	126	PA	2,852,056	CH	38,550	CH	193,518	MO	82%	TX	81%					
VA	7,565		NJ	8	NC	90	CH	2,724,041	GA	38,086	PA	179,370	DC	80%	MA	80%					
WI	5,446		AZ	6	PA	150	NC	2,691,805	IL	36,143	IL	160,627	WV	80%	MIN	80%					
CO	4,153		CO	5	GA	71	GA	2,530,918	MI	36,140	MI	144,519	DE	80%	NC	79%					
FR	3,447		IL	5	MA	125	MI	2,472,596	NJ	33,553	KY	133,532	NH	79%	KY	78%					
93,350			146			1,740			44,057,111			549,354			2,620,089						
All states	128,975		464			3,017			All states	82,606,273	1,003,537			4,757,311			All states	70%	67%		
Top ten	72%		31%			58%			Top ten	53%	55%			55%			Median	75%	72%		

Some states not reporting

Five most improved US states

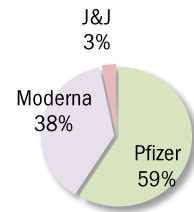
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FR	-4,261	FL	-131	CT	-30	AK	+10 bp
FL	-3,757	TX	-3	MN	-20	IN	+10 bp
AZ	-1,346	FR	-2	MI	-18	MP	+10 bp
NJ	-654	AK	0	VA	-15	CK	+10 bp
AR	-66	AS	0	KS	-13	VA	+10 bp



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	597,218,377				+0.085 million	US	66.5%	77.7%
Boosters	44,606,585				+0.005 million	UK	73.1%	78.2%
	One dose	% Pop	Immune	% pop	New immune today	France	78.3%	80.6%
Total population	265,679,082	80%	226,936,910	68%	+0.010 million	Spain	86.6%	88.2%
Age 12 to 17	17,739,860	70%	15,182,549	60%	+0.001 million	Germany	76.8%	76.9%
Age 18 to 64	178,581,895	88%	151,923,970	75%	+0.005 million	Italy	79.4%	84.1%
Age 65 and over	58,976,194	100%	51,443,780	94%	+0.003 million	Australia	83.7%	86.5%
						Israel	66.1%	72.2%
						Canada	82.3%	86.2%
						Japan	80.8%	82.0%
						Africa	17.1%	22.4%
						India	62.8%	72.3%
						Brazil	77.2%	85.6%
						China	86.7%	89.1%



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

"Immunity" = two doses

AK
69.8%
62.6%

WI
72.0%
65.7%

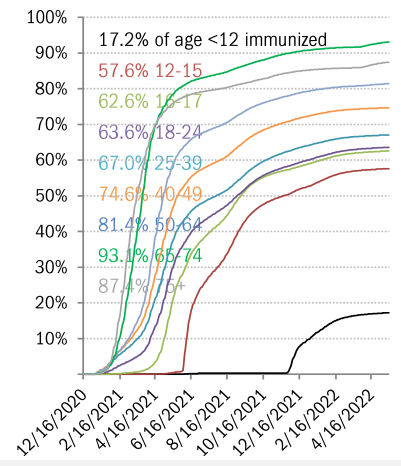
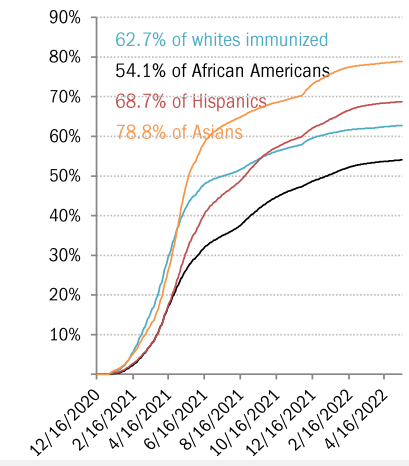
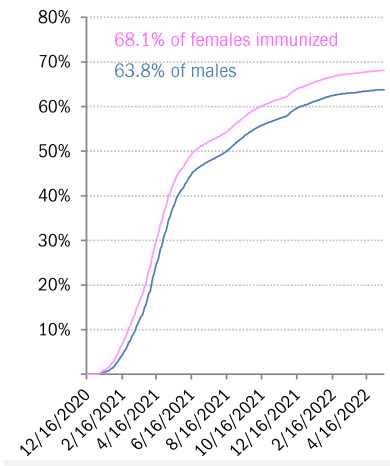
As of May 16

ME
90.9%
79.8%

WA 81.0% 72.7%	ID 61.8% 54.7%	MT 65.4% 56.9%	ND 65.7% 55.7%	MN 75.2% 69.3%	IL 76.8% 69.1%	MI 67.1% 60.3%		NY 90.4% 77.2%	VT 93.8% 81.4%	NH 88.6% 70.8%
OR 78.1% 69.8%	NV 75.5% 61.0%	WY 58.1% 51.0%	SD 76.8% 61.8%	IA 68.1% 62.1%	IN 61.6% 55.0%	OH 63.7% 58.8%	PA 85.2% 68.7%	NJ 90.6% 75.9%	MA 95.0% 79.3%	
CA 82.3% 72.4%	UT 72.2% 64.4%	CO 79.5% 70.4%	NE 70.4% 63.7%	MO 66.3% 56.2%	KY 66.3% 57.5%	WV 65.1% 57.7%	VA 86.0% 73.5%	MD 86.7% 75.9%	CT 95.0% 79.5%	RI 95.0% 82.9%
	AZ 73.3% 61.8%	NM 88.1% 71.4%	KS 74.7% 61.7%	AR 66.9% 54.6%	TN 62.3% 54.6%	NC 84.6% 61.6%	SC 67.8% 57.1%	DC 95.0% 78.0%	DE 83.4% 69.4%	
			OK 71.3% 57.5%	LA 61.1% 53.6%	MS 59.7% 51.9%	AL 62.9% 51.2%	GA 65.5% 54.9%			
			TX 73.5% 61.7%					FL 79.5% 67.2%		PR 95.0% 83.2%

HI
87.6%
78.4%

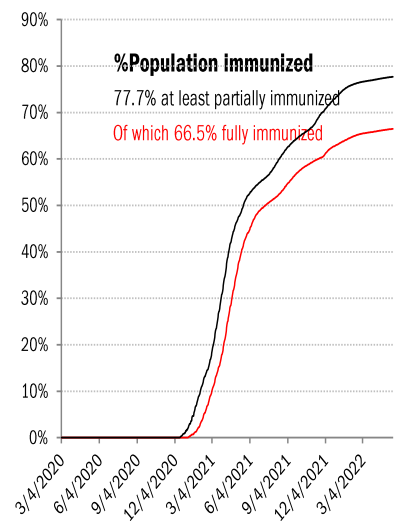
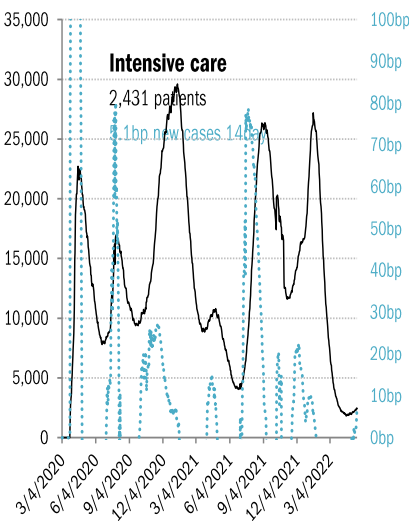
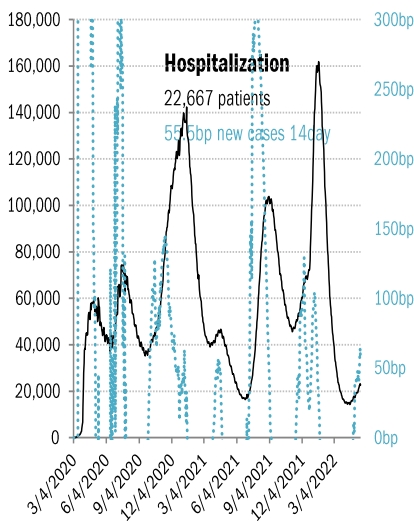
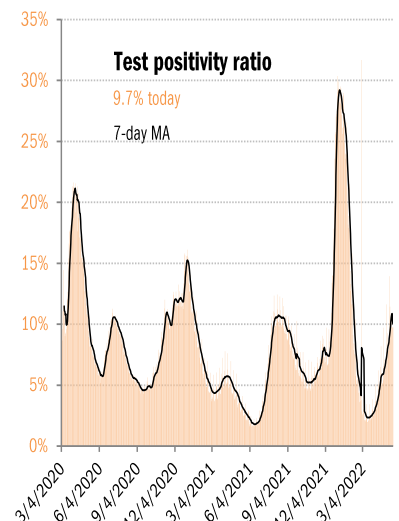
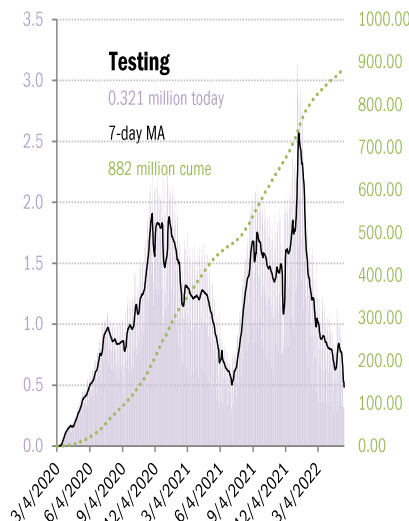
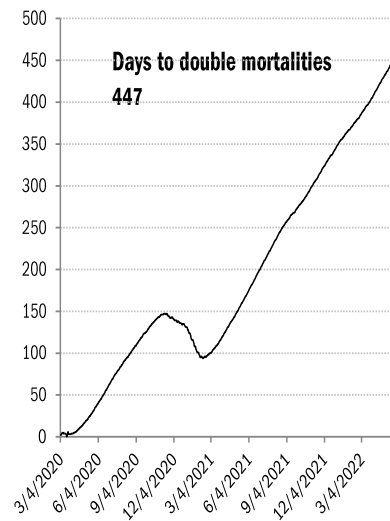
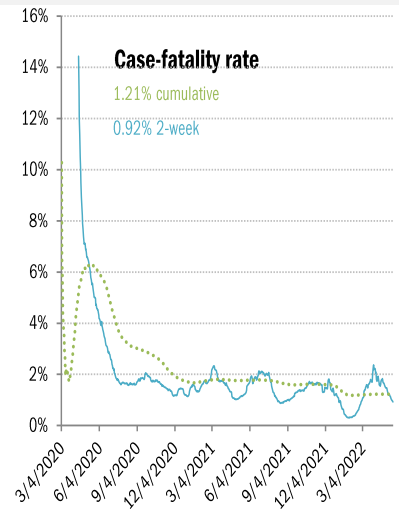
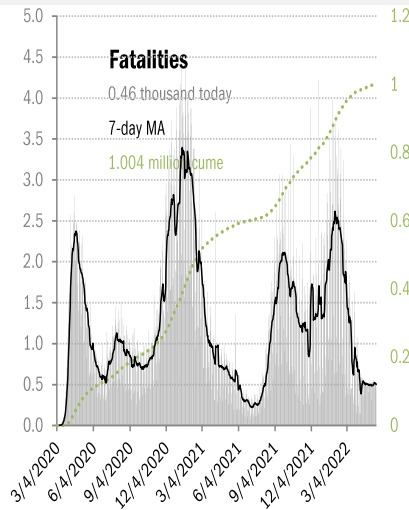
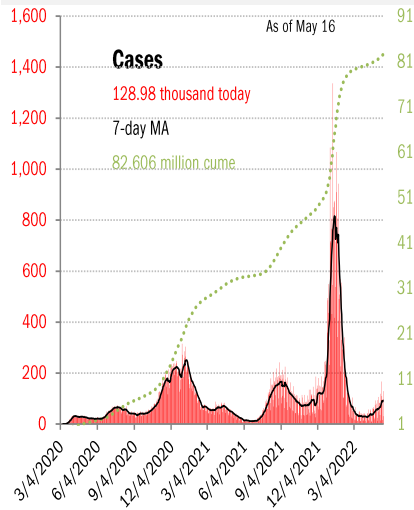
The demographics of US vaccination



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

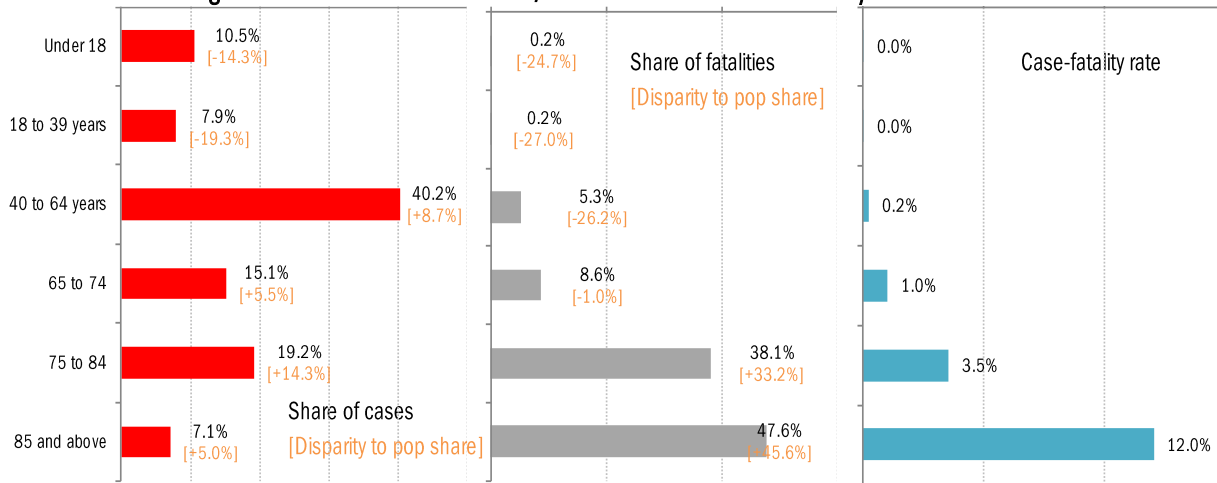
US deep-dive

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

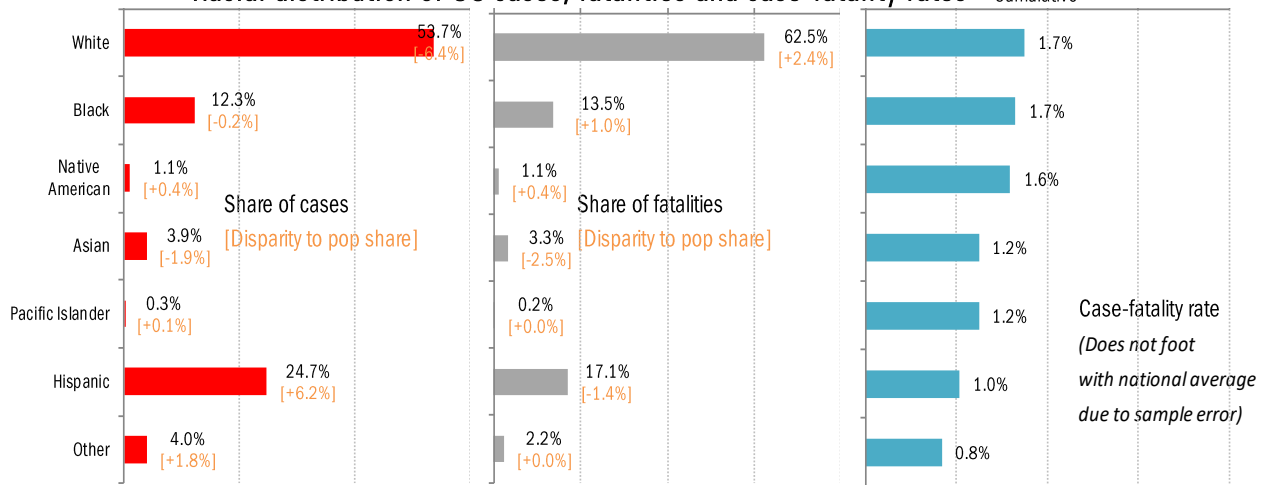


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

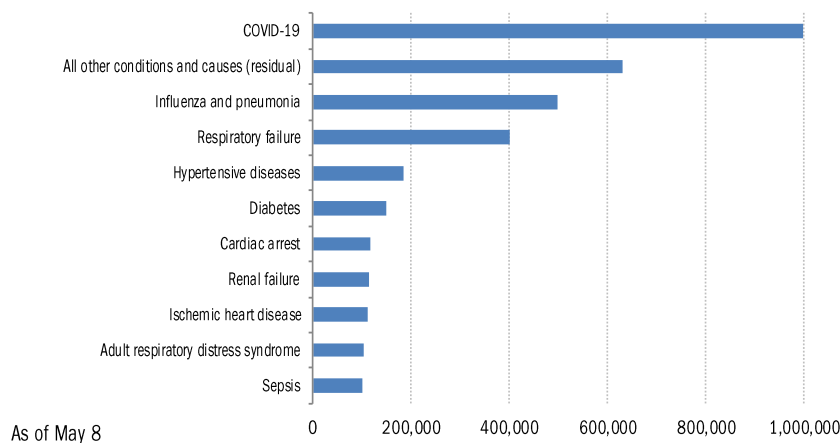


Racial distribution of US cases, fatalities and case-fatality rates



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

[North Korea's Covid outbreak continues to spiral.](#)

Victoria Kim
New York Times
May 17, 2022

[The F.D.A. is expected to soon authorize Pfizer-BioNTech's booster for 5- to 11-year-olds.](#)

Sharon LaFraniere
New York Times
May 16, 2022

[N.Y.C. urges people to wear masks indoors, but stops short of requiring it.](#)

Sharon Otterman
New York Times
May 16, 2022

['A magnet for rip-off artists': Fraud siphoned billions from pandemic unemployment benefits](#)

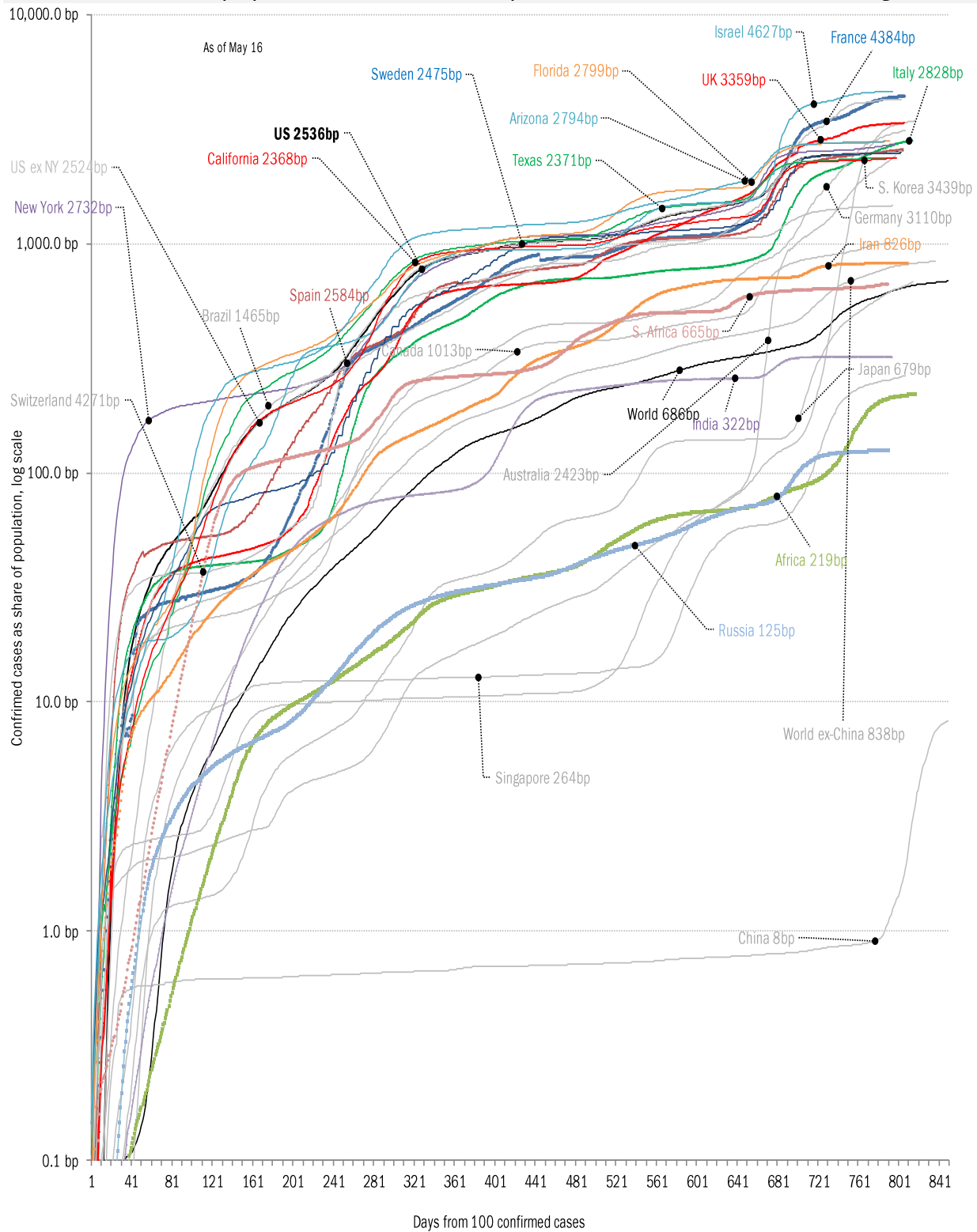
Tony Romm and Yeganeh Torbati
Washington Post
May 15, 2022

Meme of the day



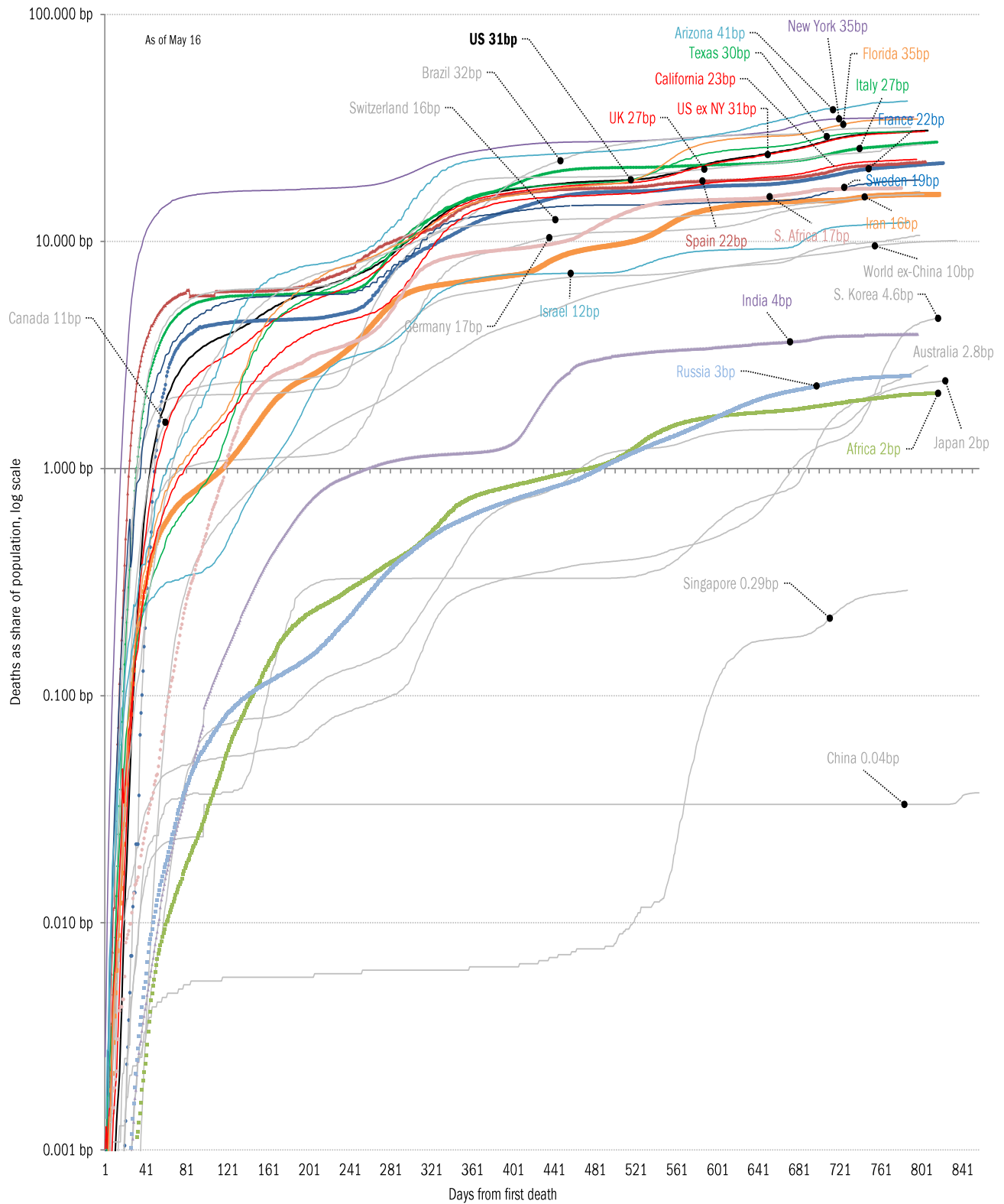
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

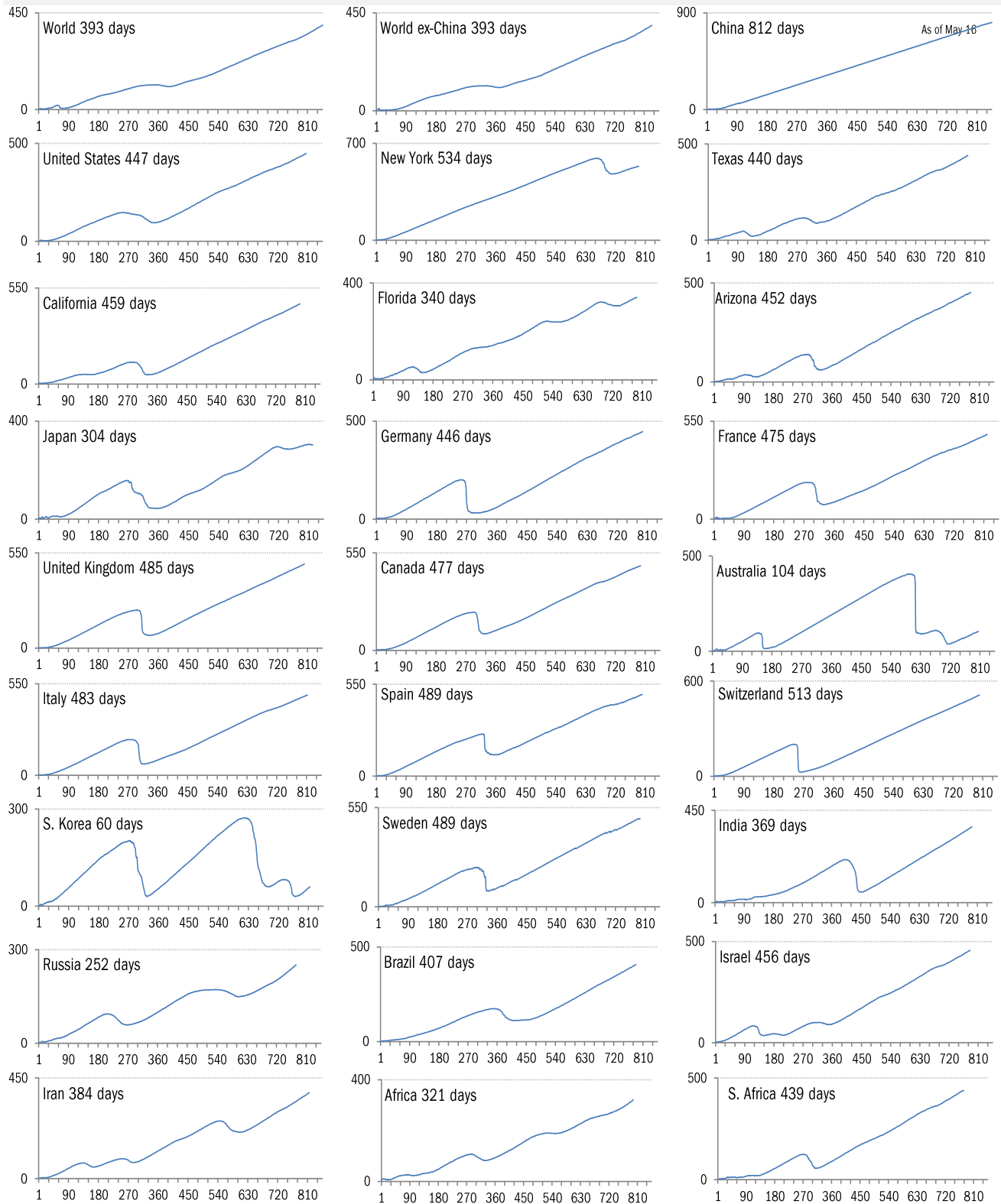


Source: [Johns Hopkins](#), TrendMacro calculations

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

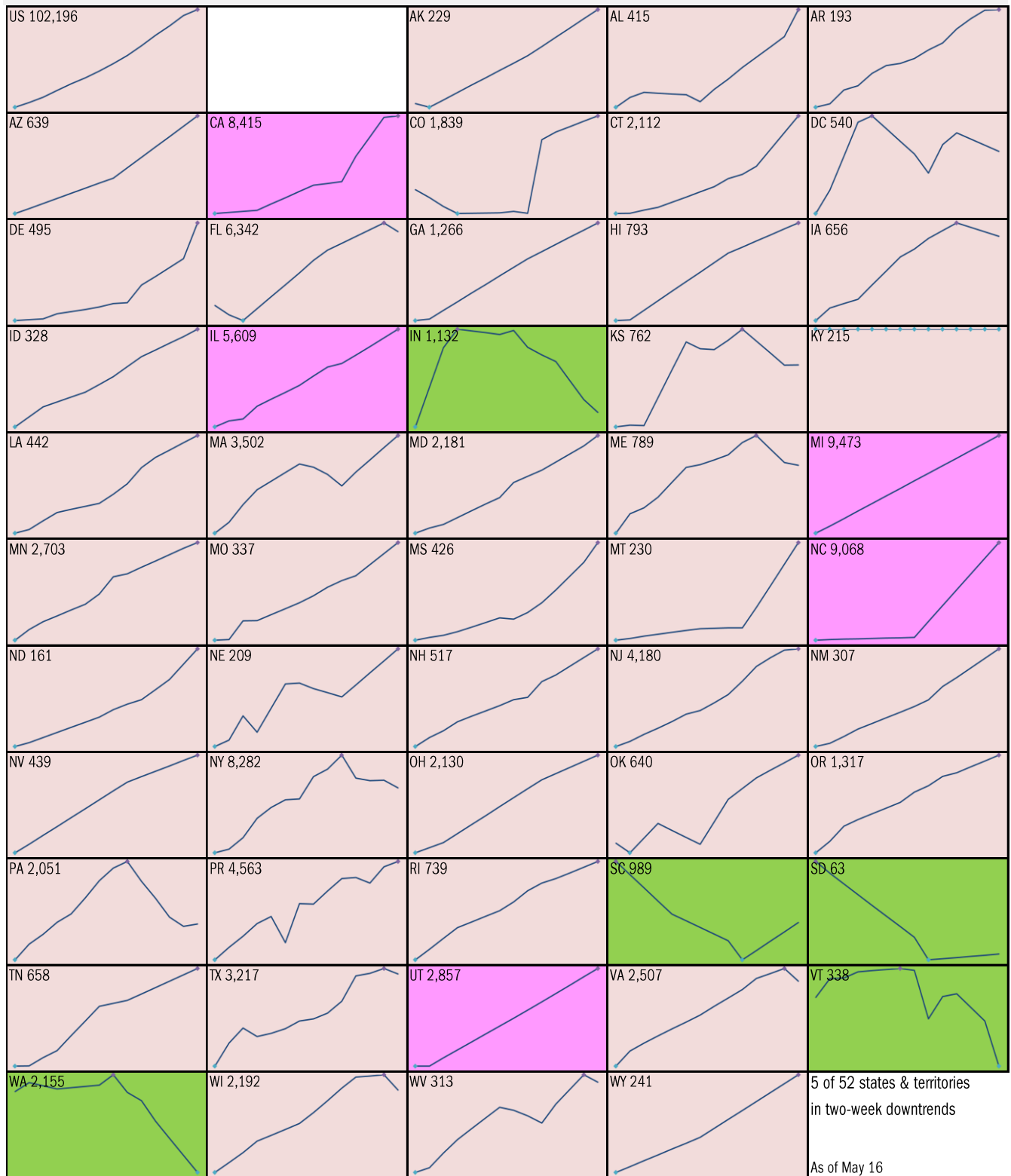


Source: [Johns Hopkins](#), TrendMacro calculations

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

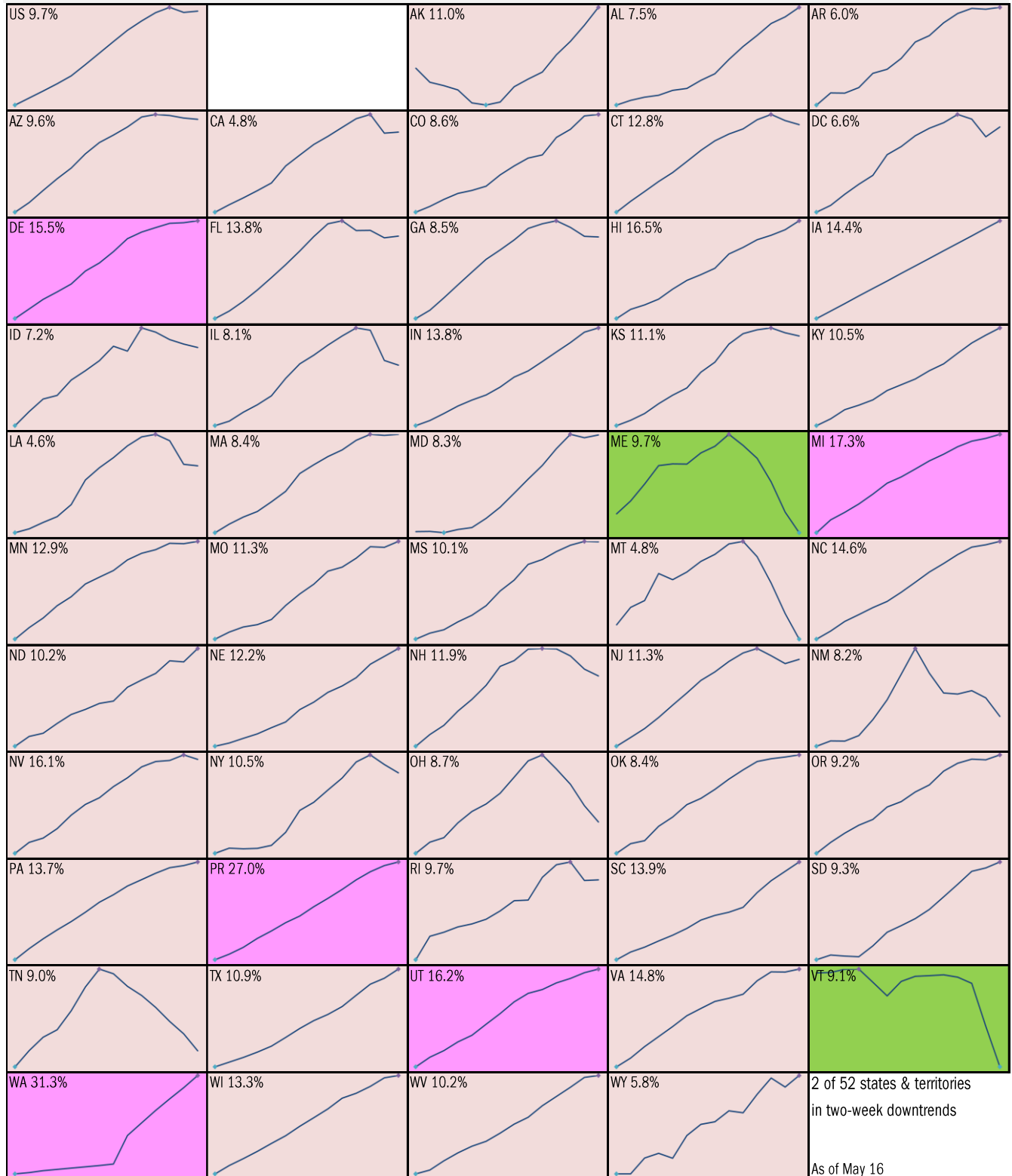


Source: [Johns Hopkins](#), TrendMacro calculations

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

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

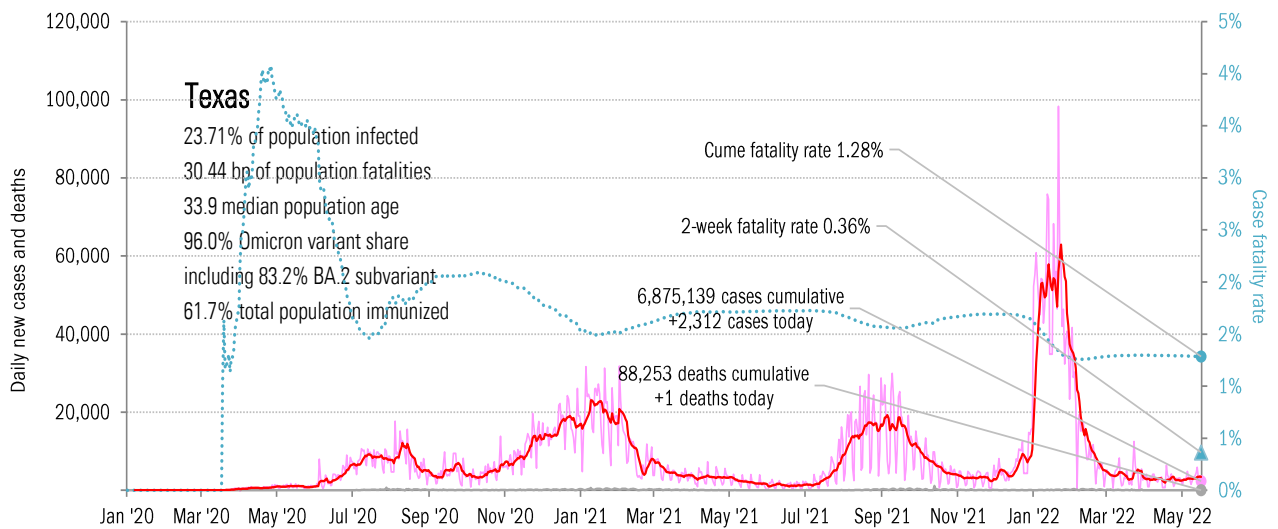
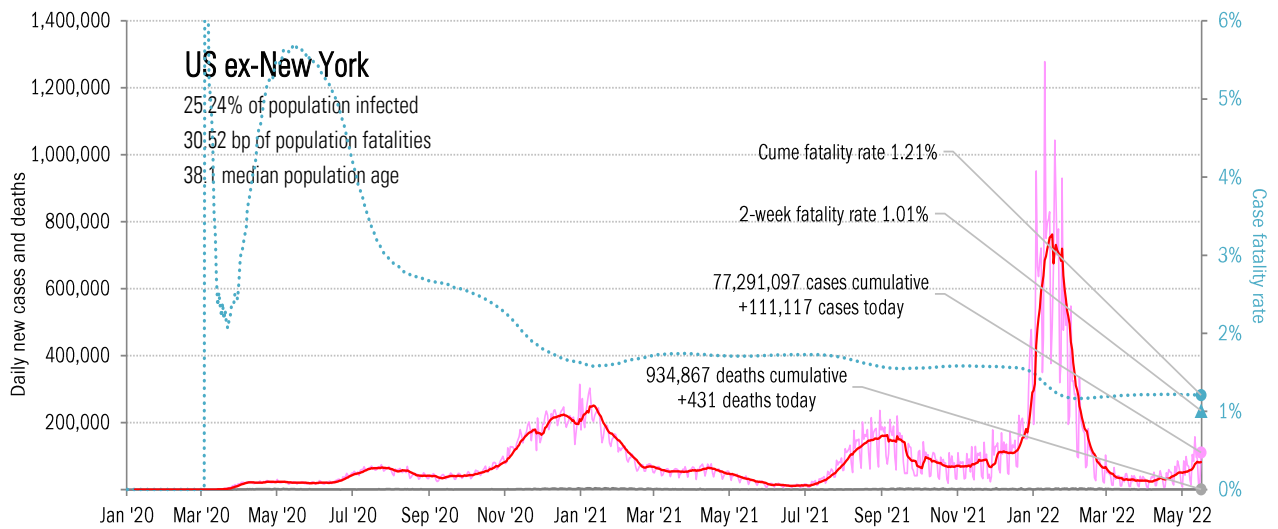
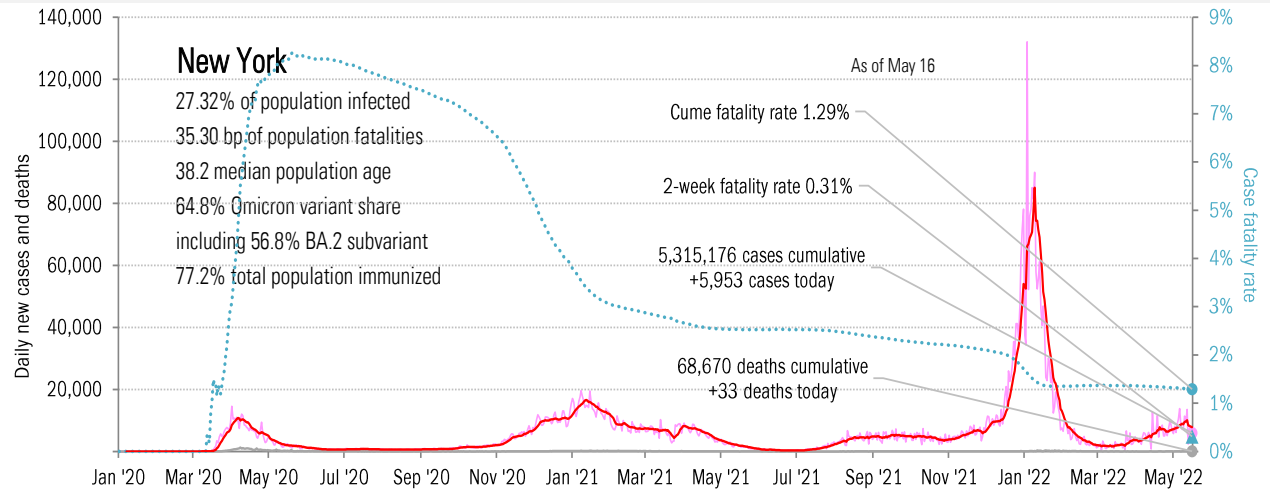
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

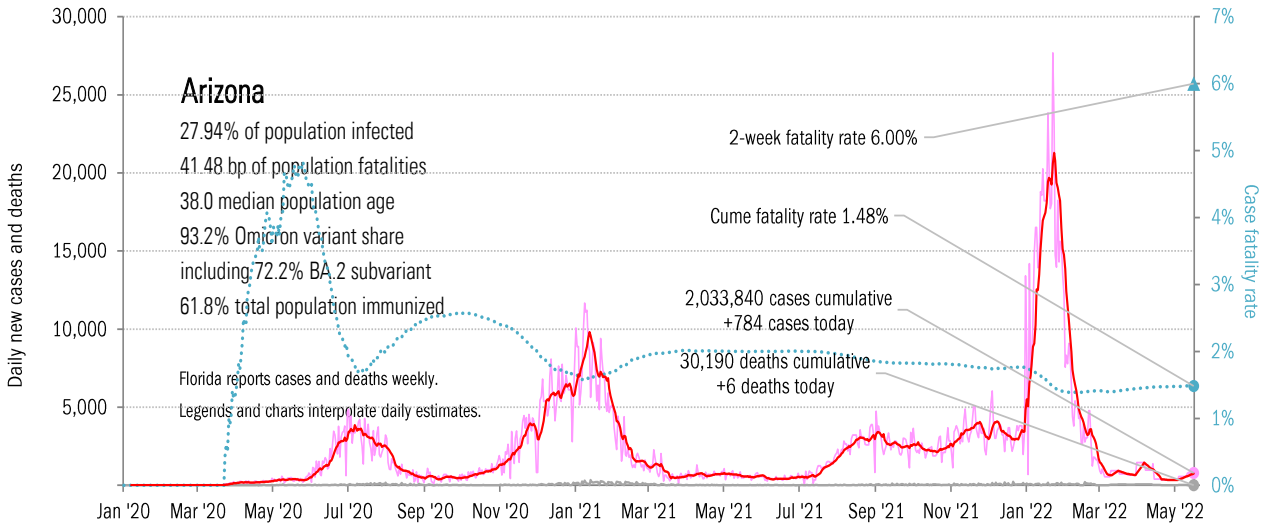
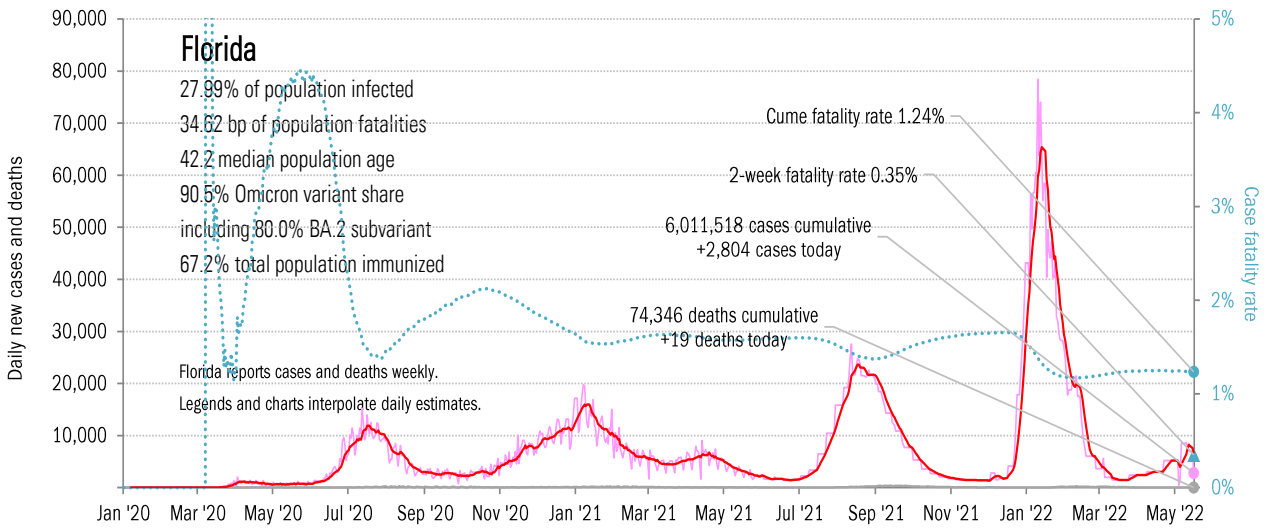
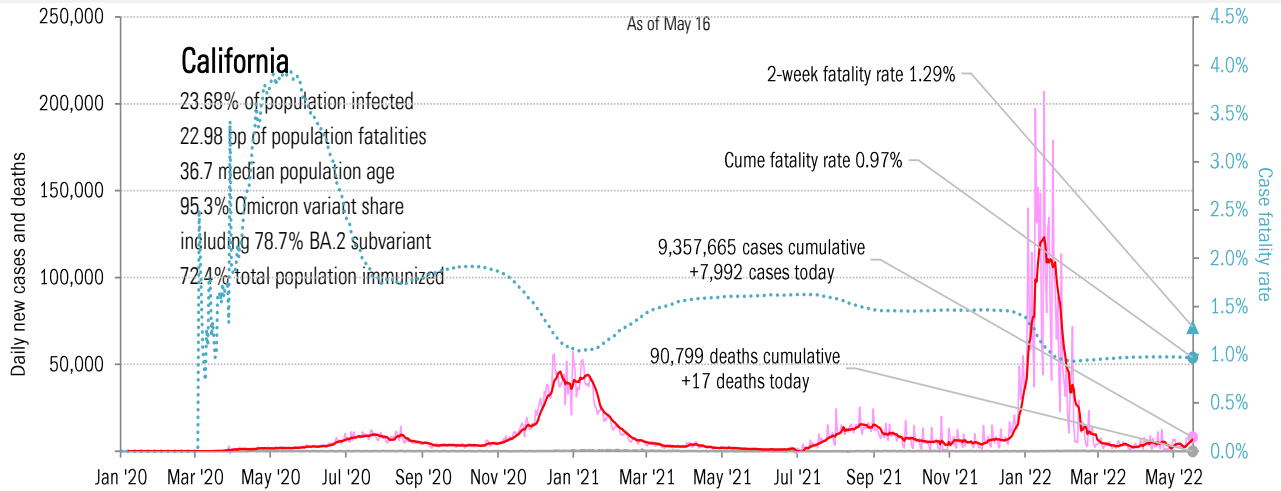
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

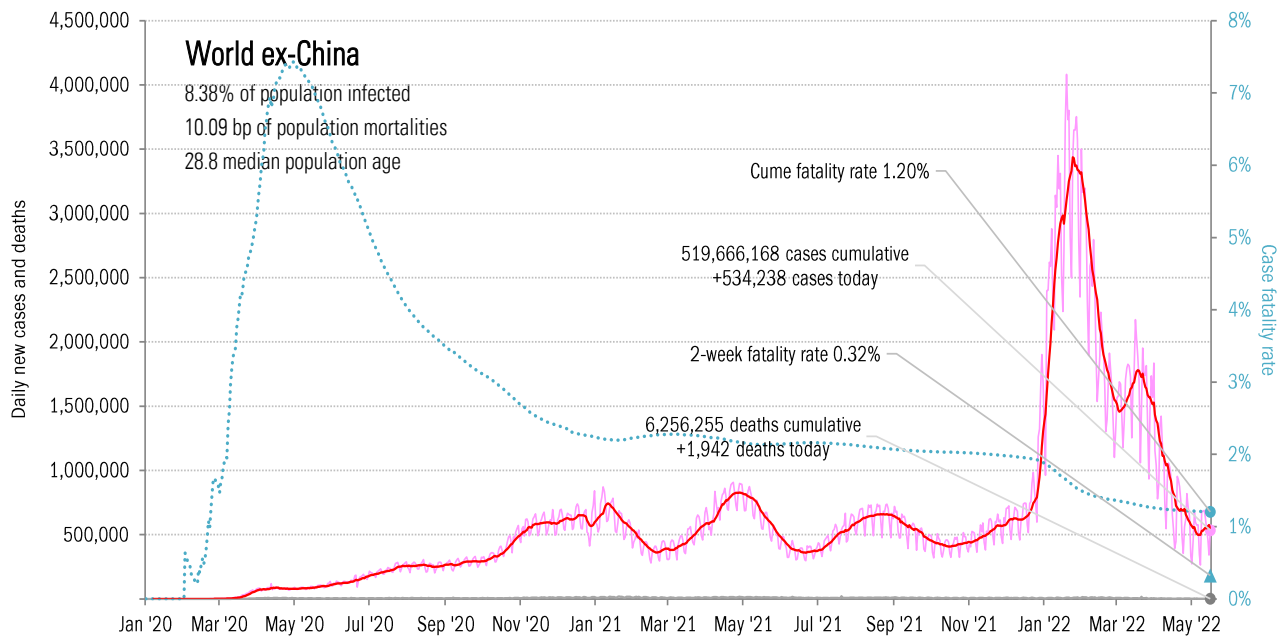
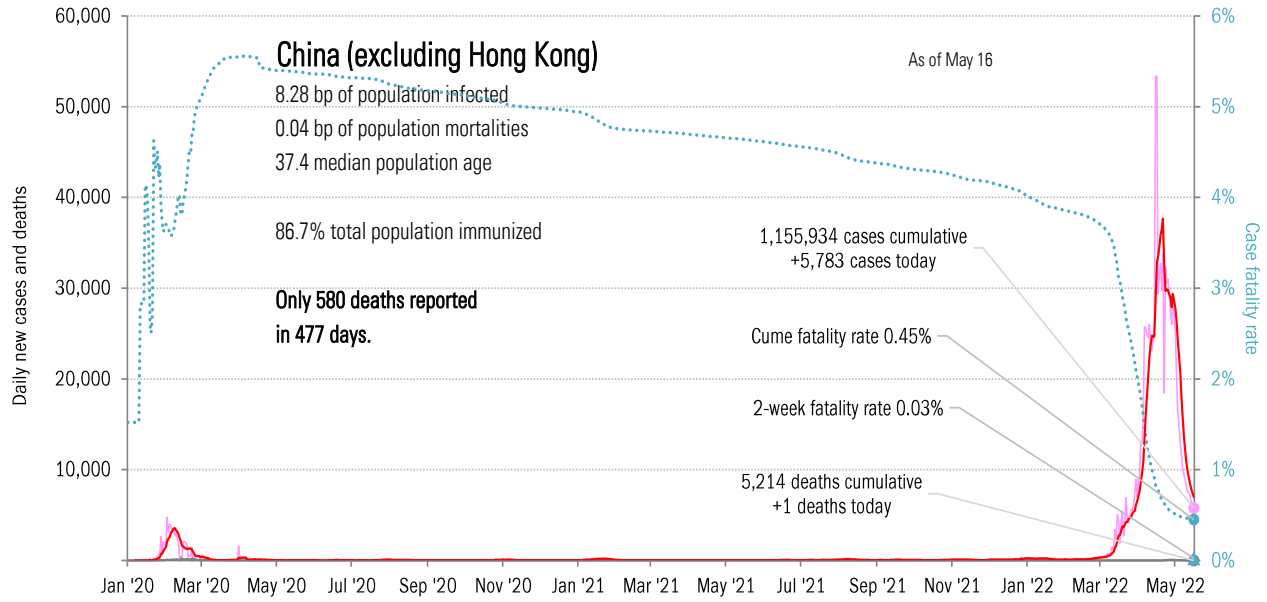
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

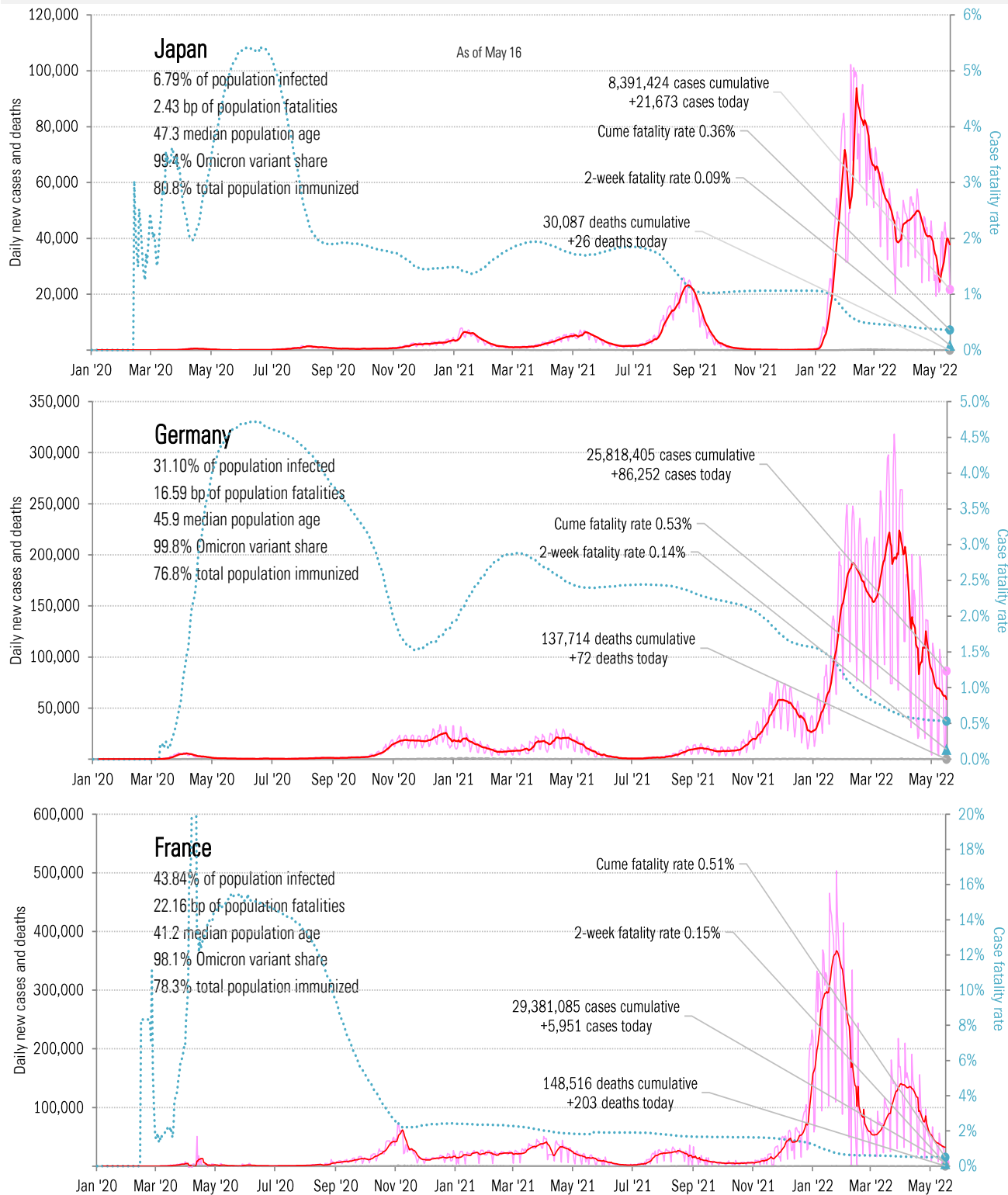
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

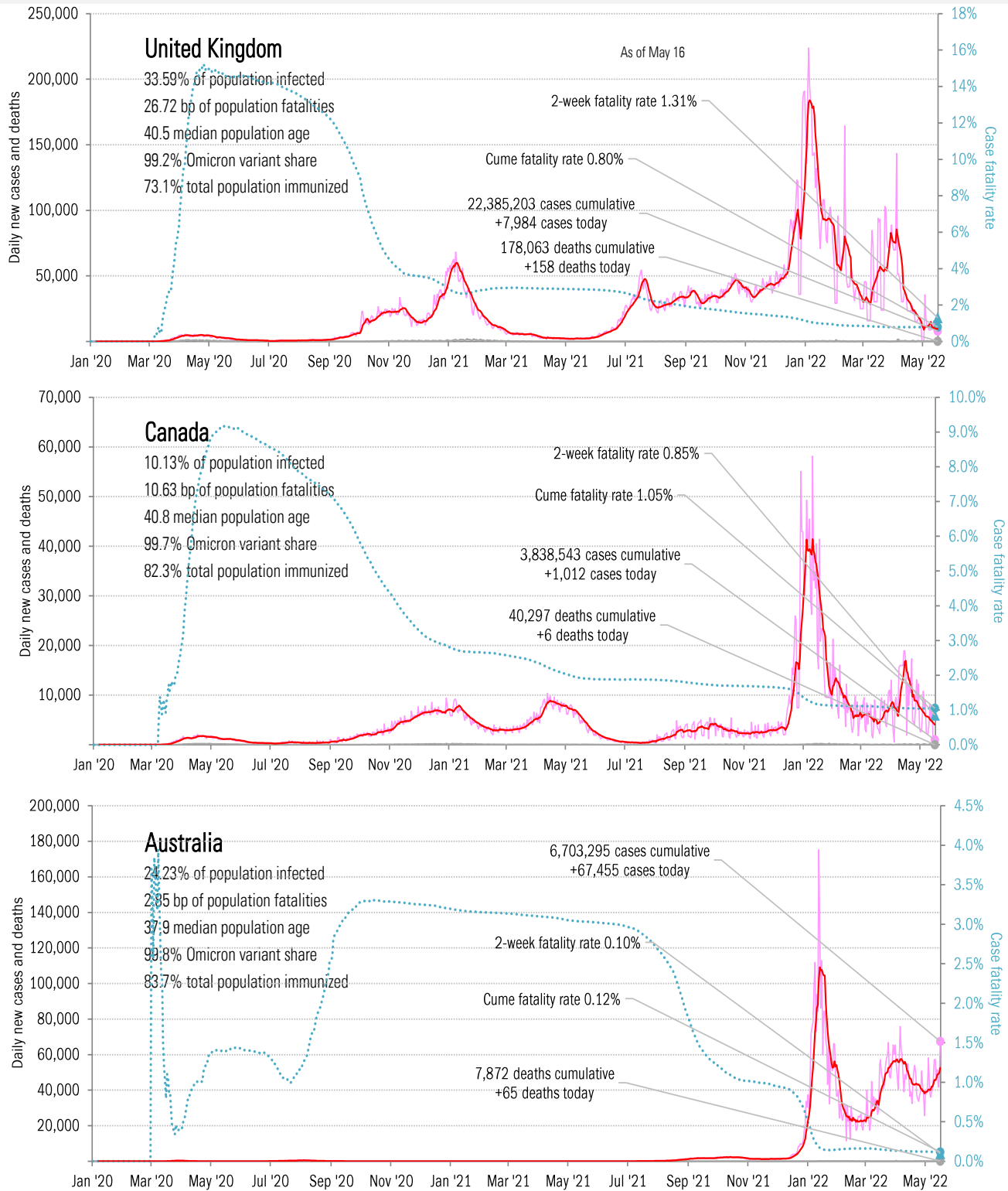
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

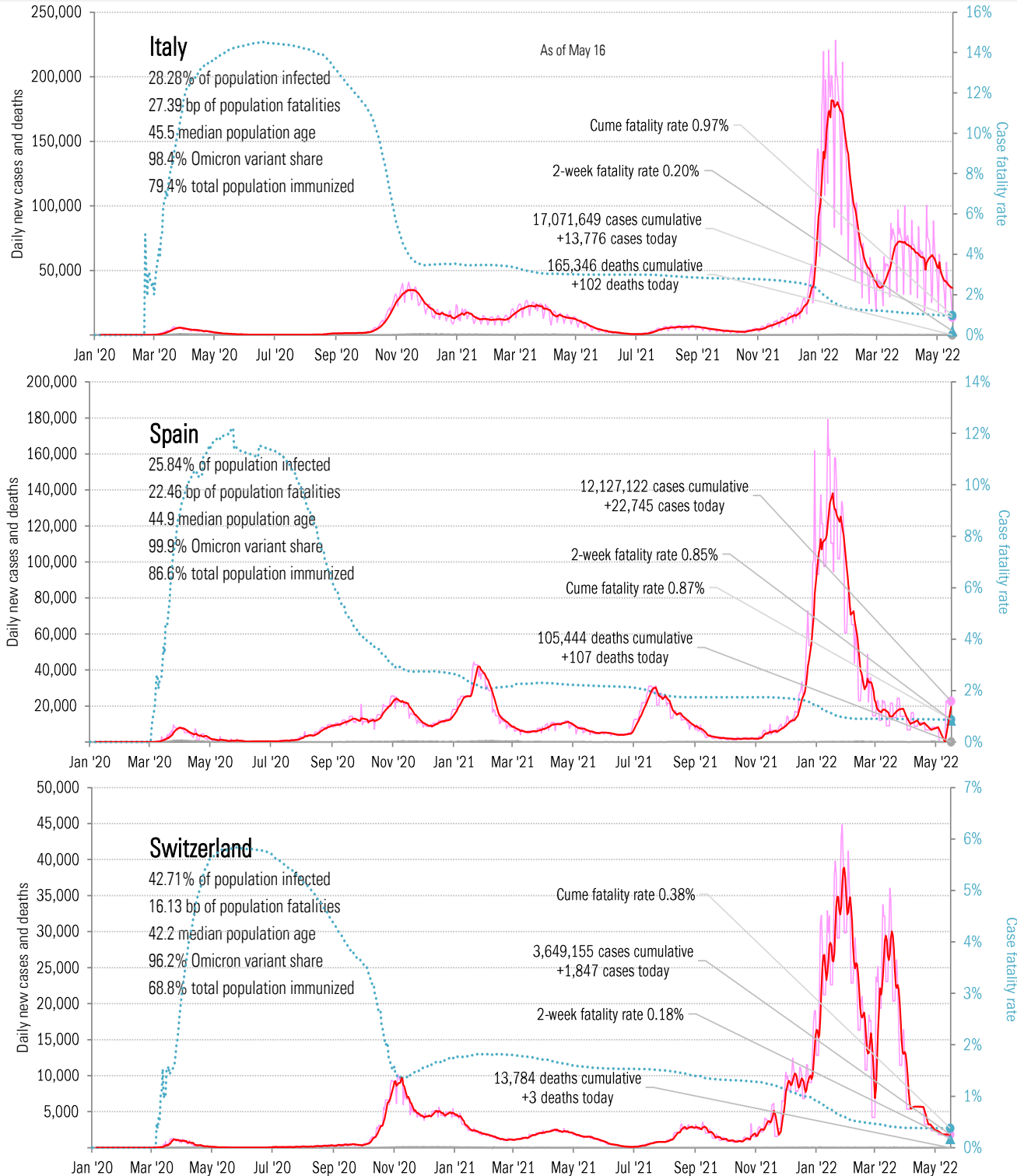
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

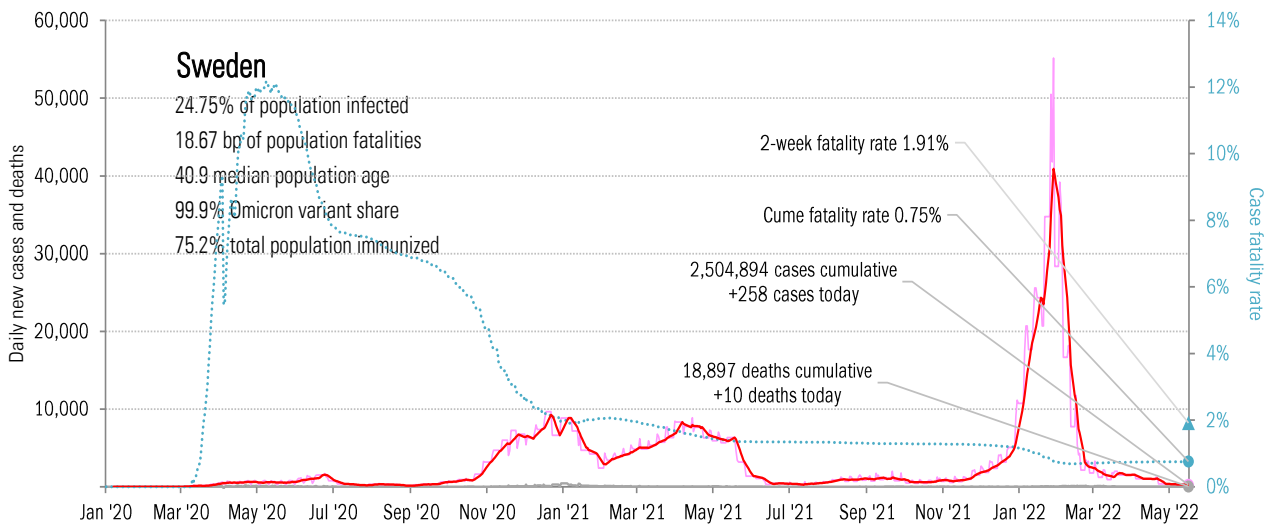
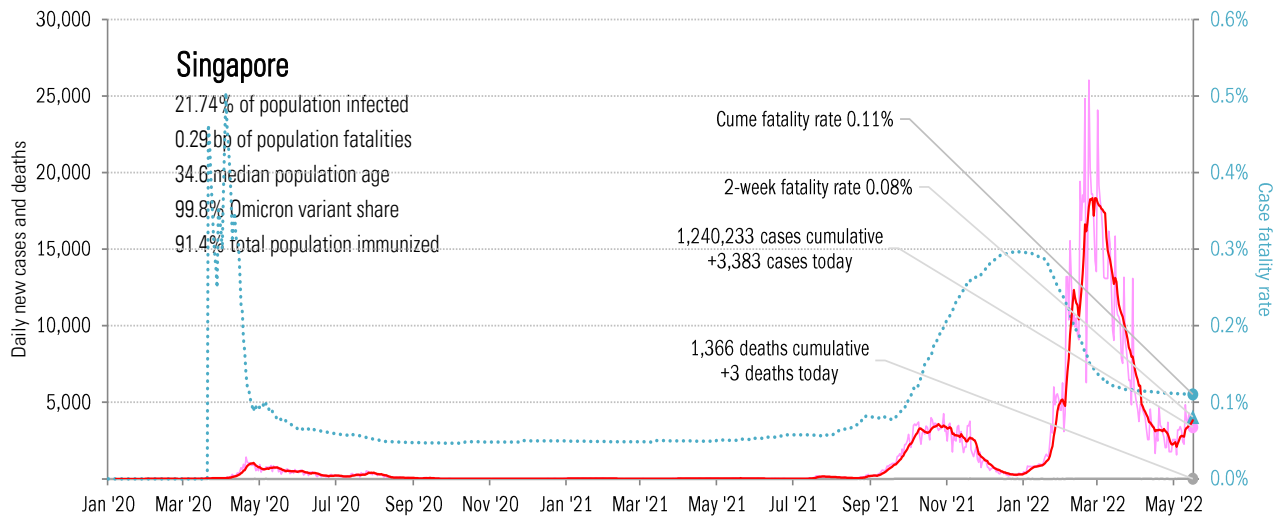
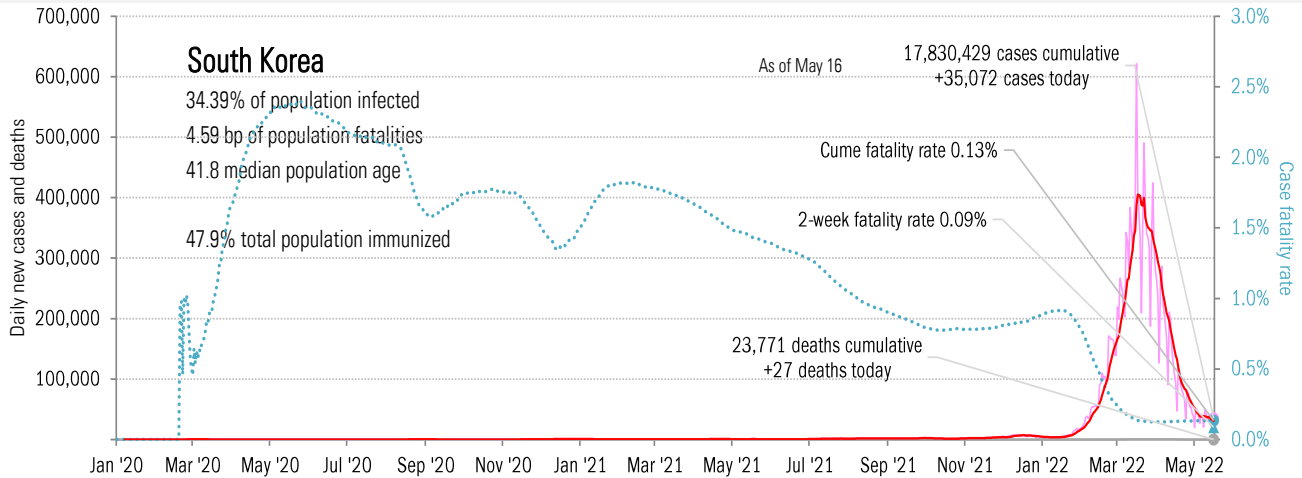
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

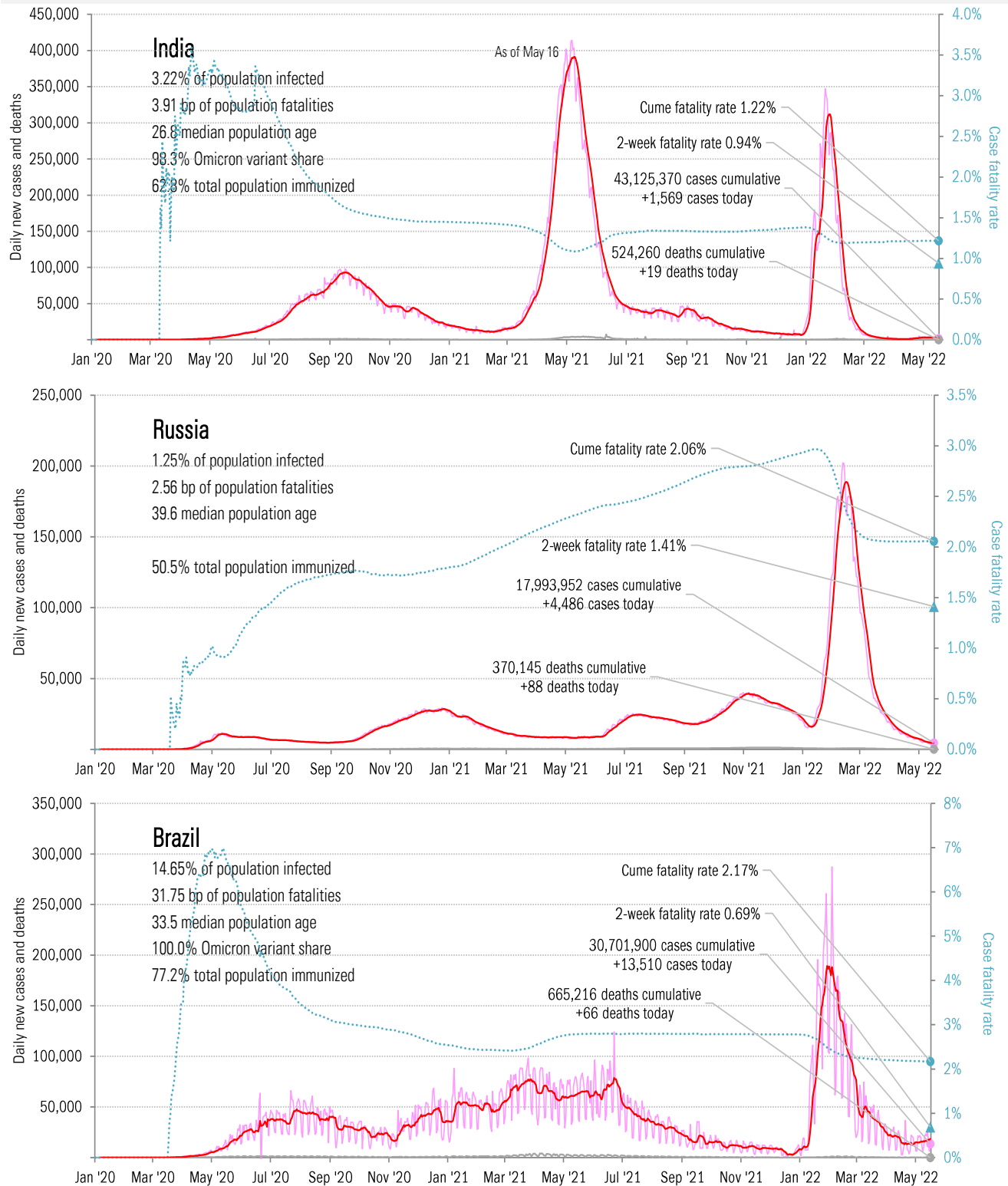
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

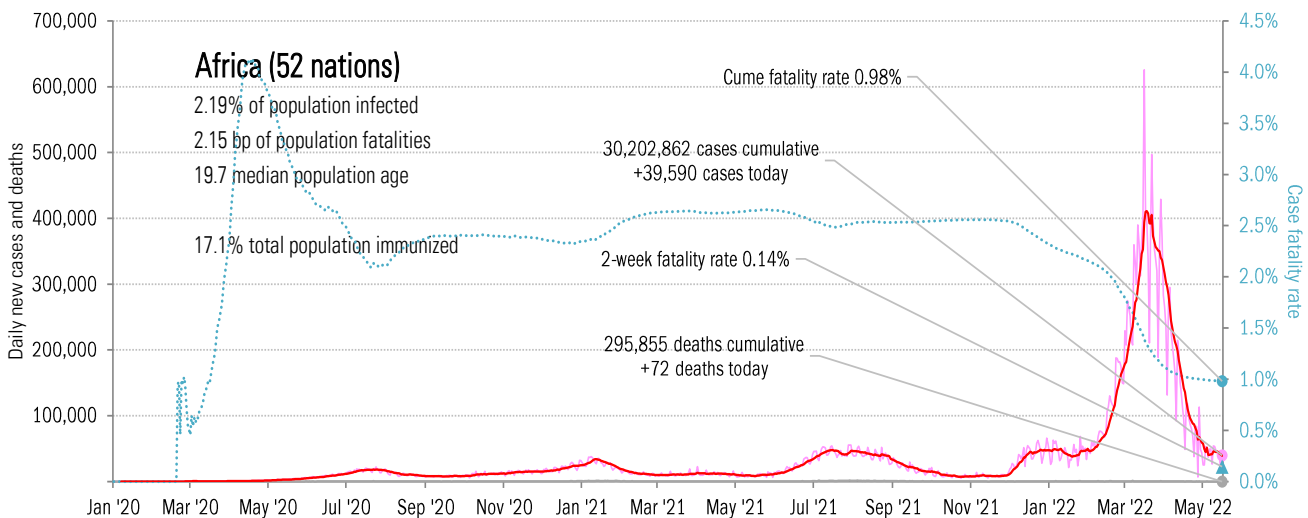
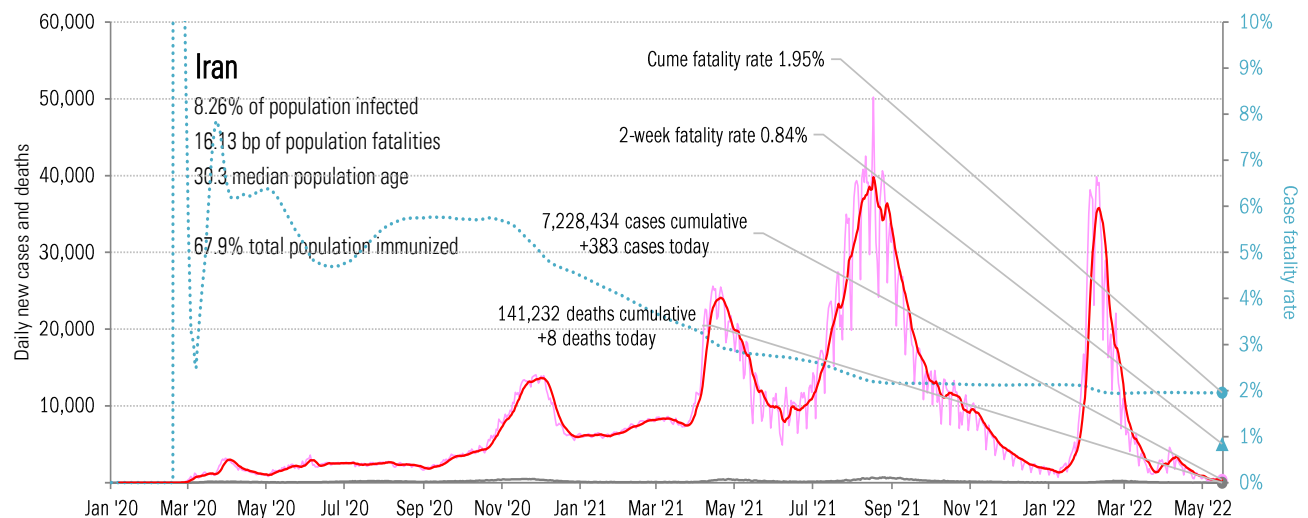
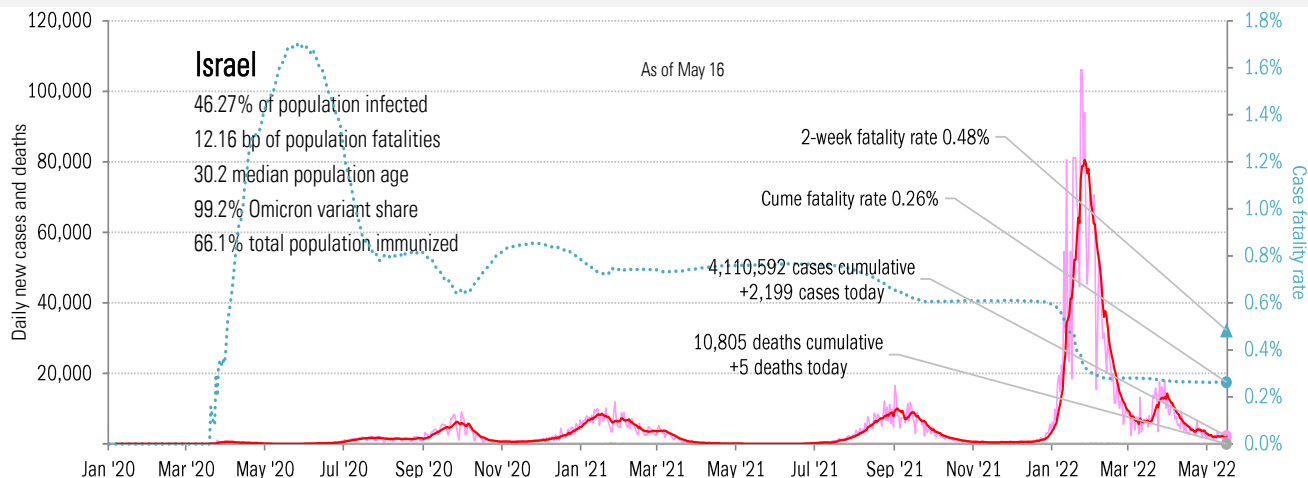
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

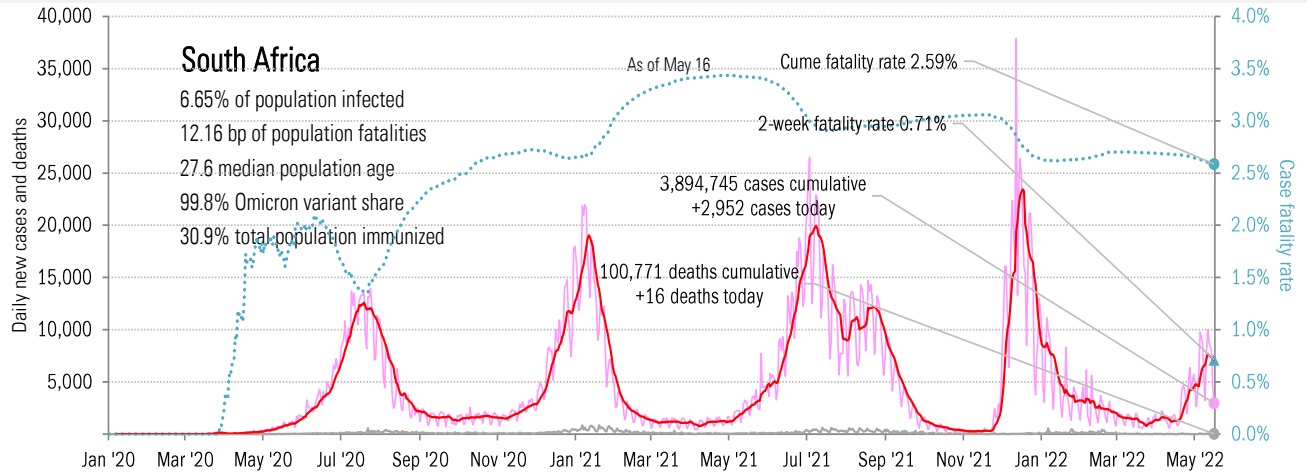
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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