Trend Macrolytics, LLC
Donald Luskin, Chief Investment Officer
Thomas Demas, Managing Director
Michael Warren, Energy Strategist

Data Insights: Covid-2019 Monitor

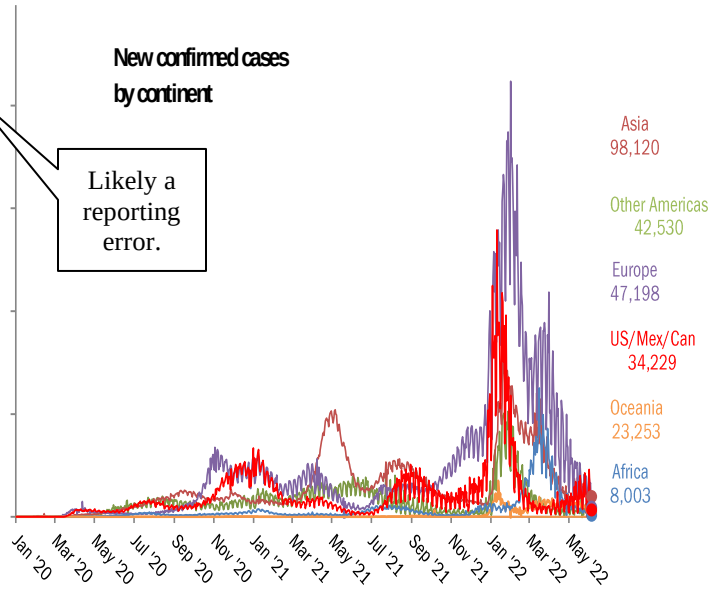
Monday, June 6, 2022

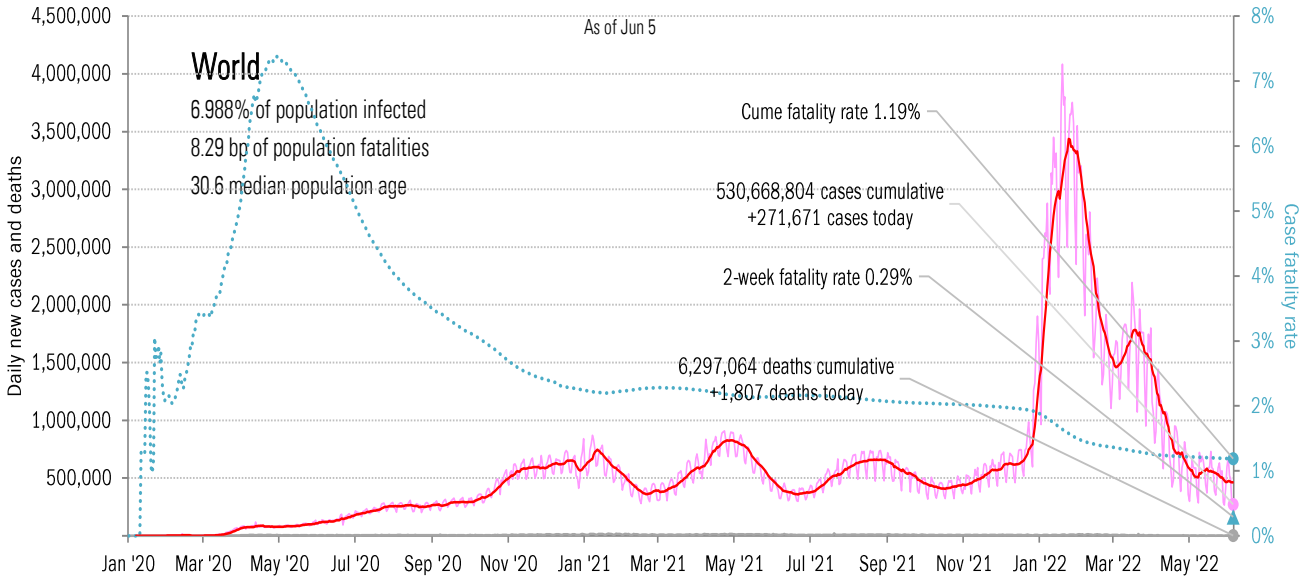
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Taiwan*	62,077	China	600
Argentina	46,045	United States	533
United States	31,476	Taiwan*	276
Australia	23,253	Argentina	84
France	20,542	Russia	73
Italy	15,522	Italy	27
Japan	15,094	Thailand	27
Chile	8,823	Australia	22
Israel	5,802	Korea, South	21
Korea, South	5,022	Chile	18
	233,656		1,681
World	271,671	World	1,807
Top ten	86%	Top ten	93%





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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

The ten worst US states

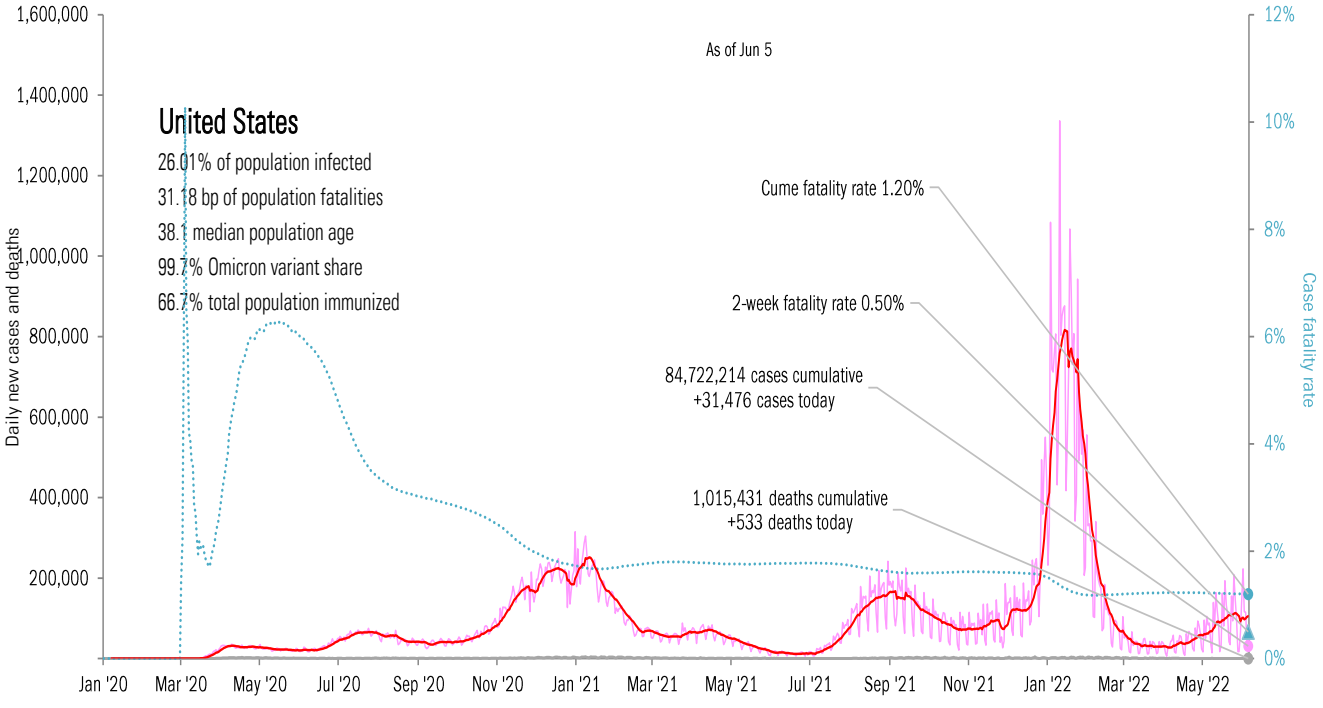
New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
[illegible]	[illegible]	[illegible]	[illegible]	CA	432	CA	9,661,436	CA	91,502	TX	495,591	RI	91%	DE	87%
				GA	146	TX	6,979,783	TX	88,393	CA	437,266	MA	86%	NM	83%
				CH	168	FL	6,200,659	FL	74,761	FL	428,540	MN	85%	WA	82%
				NY	301	NY	5,466,873	NY	69,134	NY	264,213	DE	83%	RI	82%
AZ	1,883	TX	3	NJ	155	IL	3,318,982	PA	45,254	GA	210,038	MD	83%	TX	81%
AR	299	PR	1	TX	225	PA	2,932,186	CH	38,657	CH	196,301	GA	82%	AL	80%
AK	0	AK	0	NC	124	CH	2,780,653	GA	38,242	PA	183,081	WV	82%	NC	79%
AL	0	AL	0	IL	172	NC	2,772,730	IL	38,188	IL	164,086	PA	81%	NH	79%
AS	0	AR	0	MA	117	GA	2,571,104	MI	36,407	MI	147,316	MI	81%	MA	79%
CA	0	AS	0	PR	51	MI	2,547,366	NJ	33,764	KY	134,490	NH	81%	UT	78%
	31,476		51		1,891		45,231,772		554,302		2,660,922				
All states	31,476		533		4,066	All states	84,722,214		1,015,431		4,832,148	All states	70%		67%
Top ten	100%		10%		47%	Top ten	53%		55%		55%	Median	75%		72%

US state case and fatality data distorted today due to weekend delays.

Some states not reporting

Five most improved US states

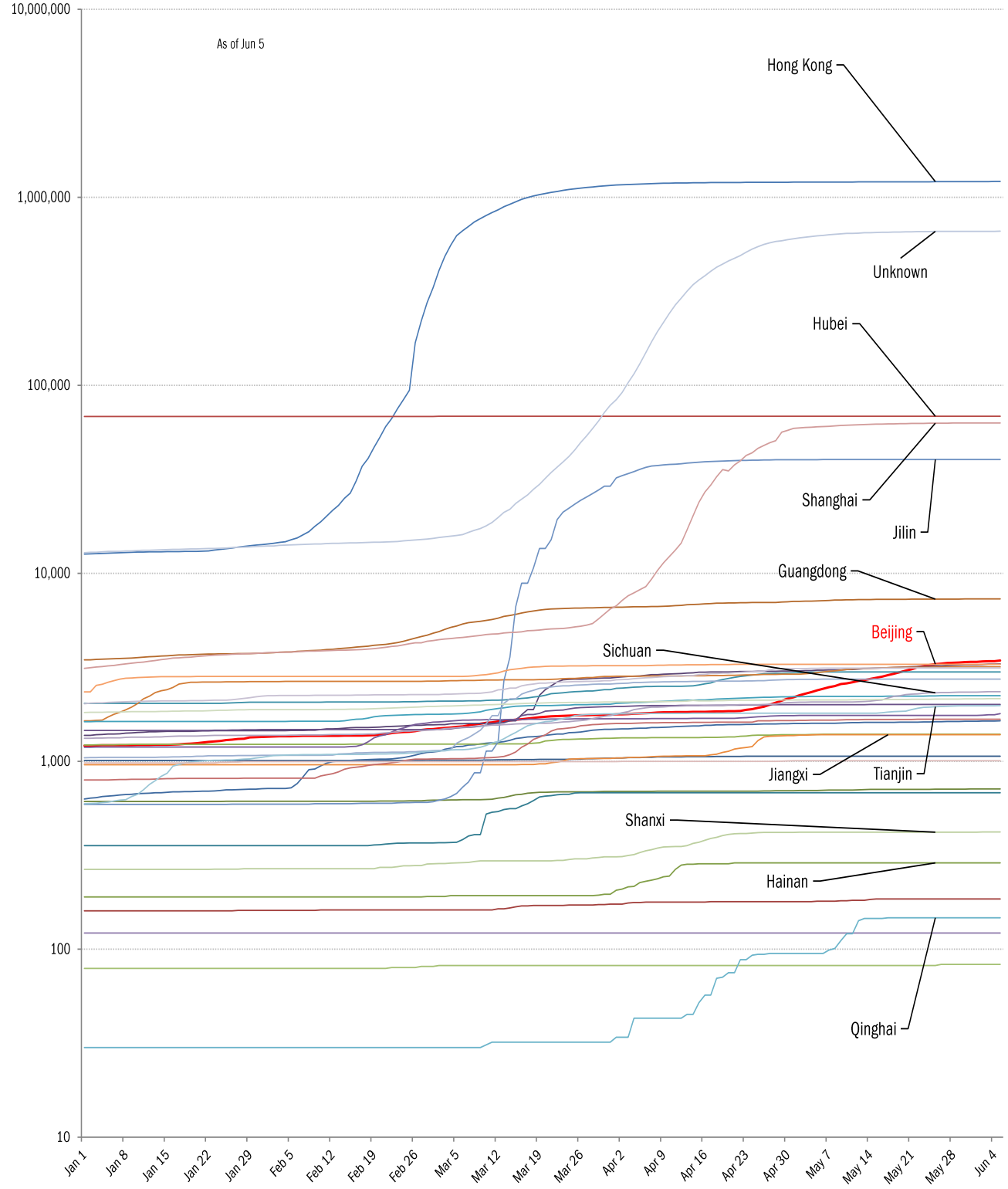
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NY	-4,000	FL	-114	CO	-139	AZ	+10 bp
KY	-1,765	ME	-16	FL	-57	ID	+10 bp
OK	-1,467	NY	-9	PA	-37	LA	+10 bp
NJ	-1,361	PR	-7	UT	-27	MA	+10 bp
TX	-1,226	TX	-2	MO	-23	MT	+10 bp



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 this year, log scale: flat line indicates "zero Covid"



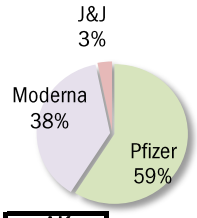
Source: Johns Hopkins, TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative				Today
Doses	604,615,255				+0.241 million
Boosters	45,110,718				+0.017 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	266,636,251	80%	227,831,011	68%	+0.028 million
Age 12 to 17	17,822,492	70%	15,267,279	60%	+0.002 million
Age 18 to 64	179,091,570	88%	152,349,457	75%	+0.014 million
Age 65 and over	59,197,779	100%	51,701,749	94%	+0.007 million

Immunity	Full	Partial
US	66.7%	77.9%
UK	73.2%	78.4%
France	78.4%	80.7%
Spain	86.7%	88.2%
Germany	76.9%	76.9%
Italy	79.4%	84.1%
Australia	83.8%	86.6%
Israel	66.1%	72.2%
Canada	82.5%	86.9%
Japan	81.0%	82.2%
Africa	17.4%	22.7%
India	64.1%	72.6%
Brazil	77.8%	86.0%
China	87.0%	89.4%

Global data differs due to sources, timing



State
At least partial immunity as % population
Full immunity as % population

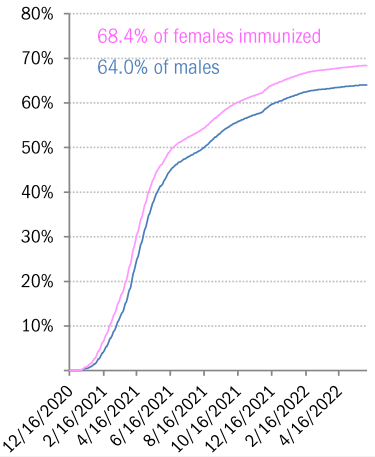
"Immunity" = two doses

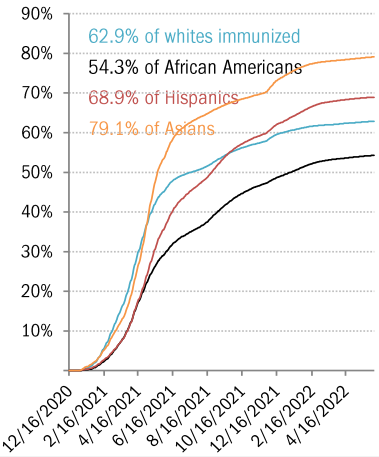
Best
Middle
Worst

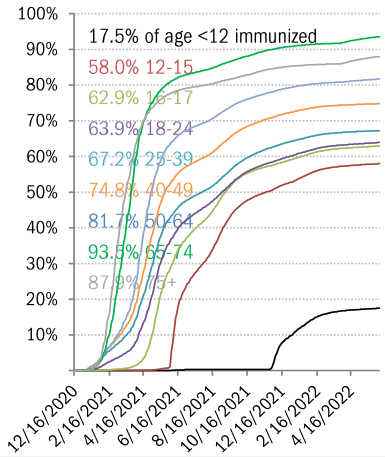
As of Jun 5

					WI					ME
					72.2%					91.3%
					65.9%					80.2%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
81.2%	62.0%	65.6%	65.9%	75.4%	76.2%	67.3%		90.7%	94.2%	89.0%
73.0%	55.7%	57.1%	55.9%	69.5%	68.9%	60.5%		77.5%	81.7%	71.2%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
78.3%	75.8%	58.4%	77.3%	68.2%	61.8%	63.9%	85.6%	91.0%	95.0%	
70.0%	61.2%	51.2%	62.2%	62.3%	55.3%	59.0%	69.2%	76.2%	79.7%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.6%	72.4%	79.8%	70.5%	66.5%	66.5%	65.3%	86.3%	87.1%	95.0%	95.0%
72.7%	64.6%	70.6%	63.8%	56.4%	57.7%	57.9%	73.8%	76.2%	79.9%	83.4%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	73.7%	88.5%	74.9%	67.1%	62.5%	85.2%	68.1%	95.0%	83.8%	
	62.1%	71.7%	62.0%	54.8%	54.8%	62.1%	57.4%	78.7%	69.8%	
			OK	LA	MS	AL	GA			
			71.5%	61.3%	59.9%	63.1%	65.8%			
			57.7%	53.8%	52.1%	51.4%	55.1%			
HI			TX					FL		PR
87.9%			73.9%					79.8%		95.0%
78.7%			62.0%					67.4%		83.4%

The demographics of US vaccination



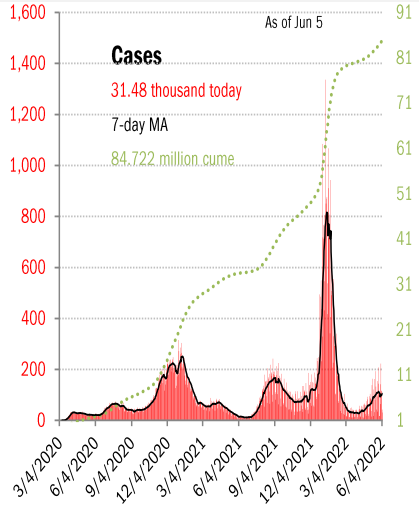


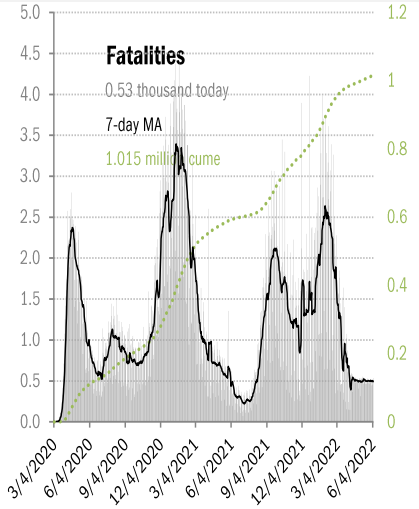


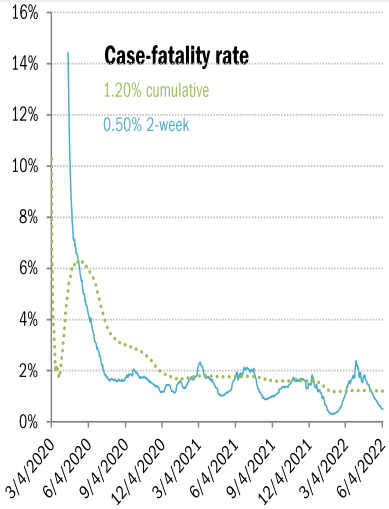
Source: CDC, CDC, Our World in Data, TrendMacro calculations

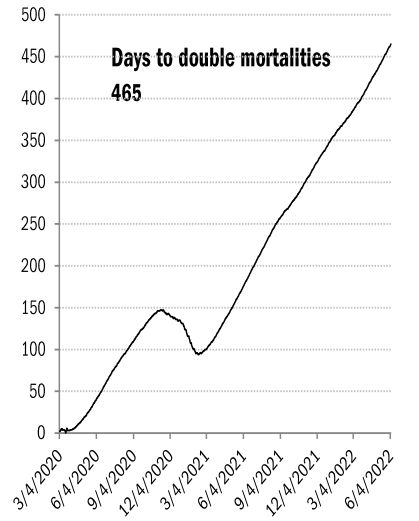
US deep-dive

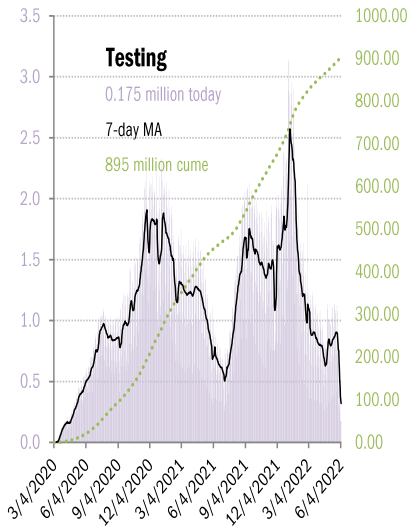
National and state-by-state data do not line up because of different sources

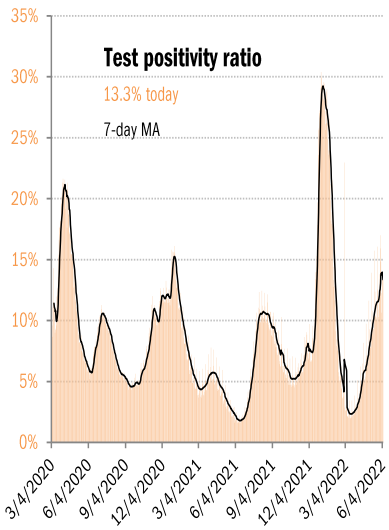


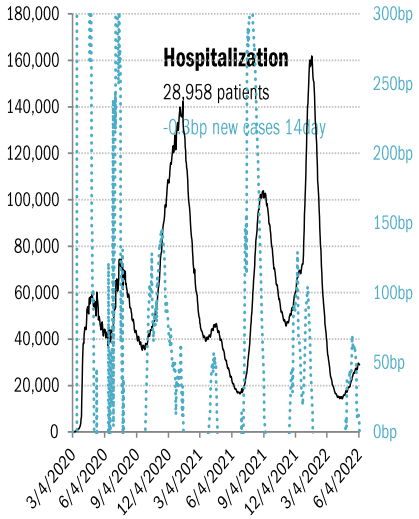


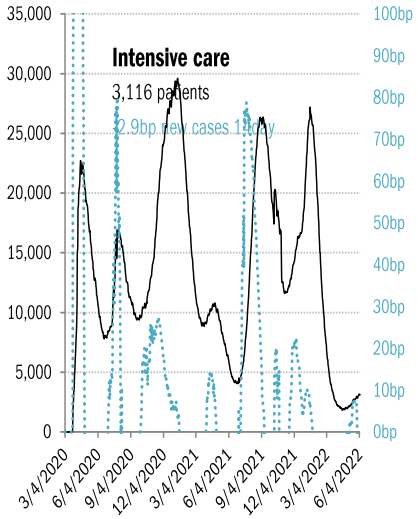


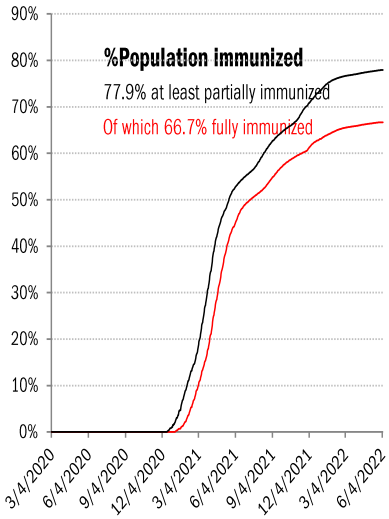












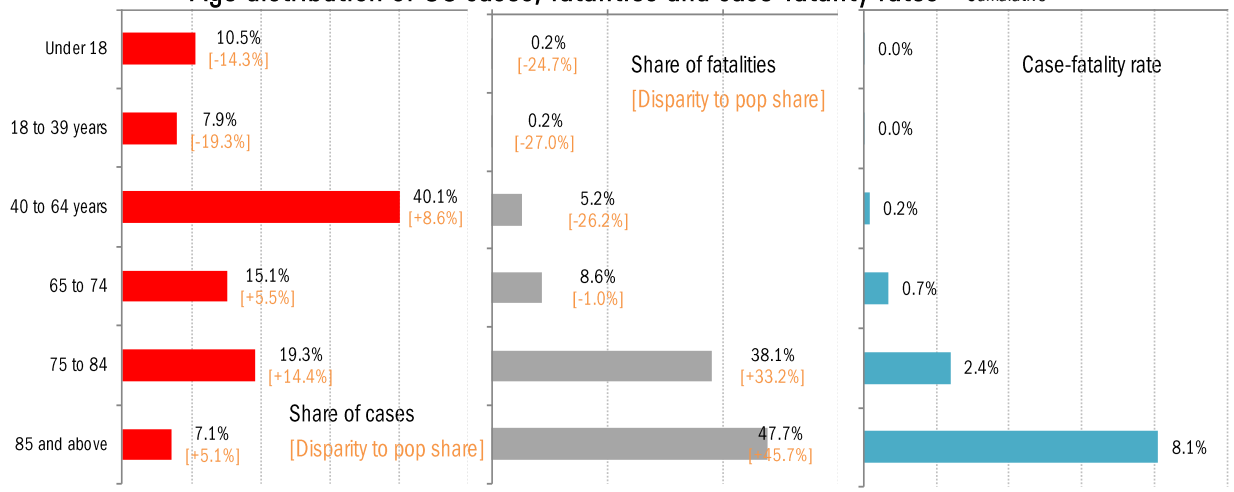
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

US deep-dive: demographics of age, race and health

Updates weekly on Sunday, 1 week lag

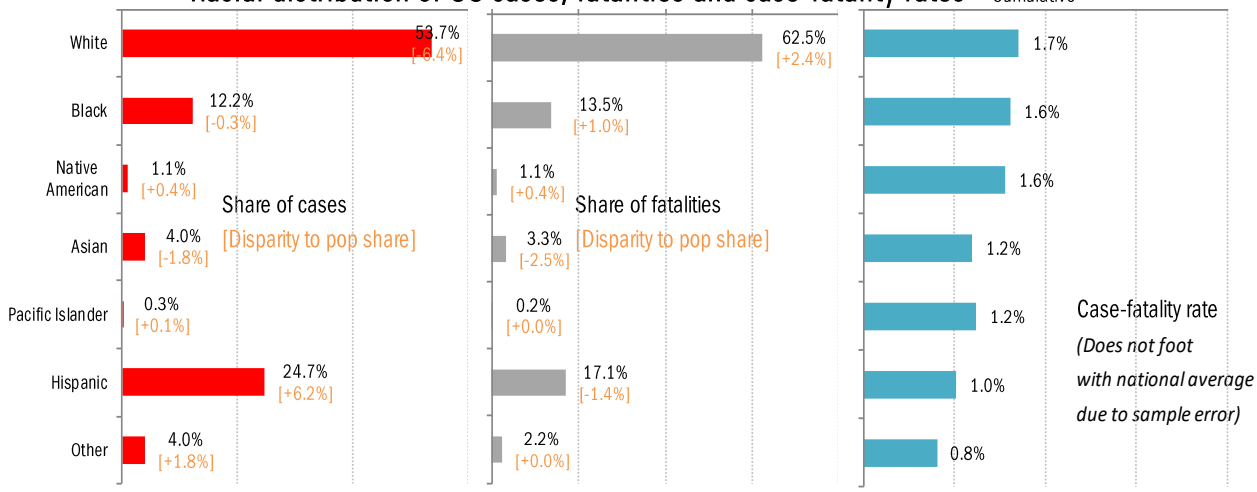
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



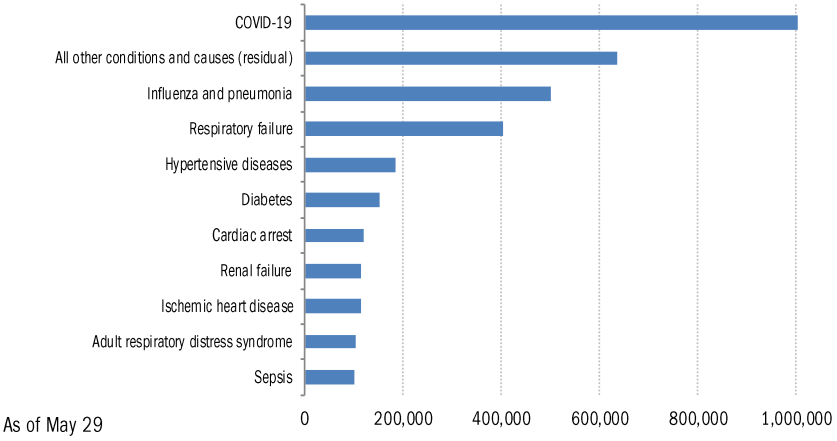
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of May 29

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 White House Keeps Stoking Covid Fears]
Jay Bhattacharya
Wall Street Journal
June 5, 2022

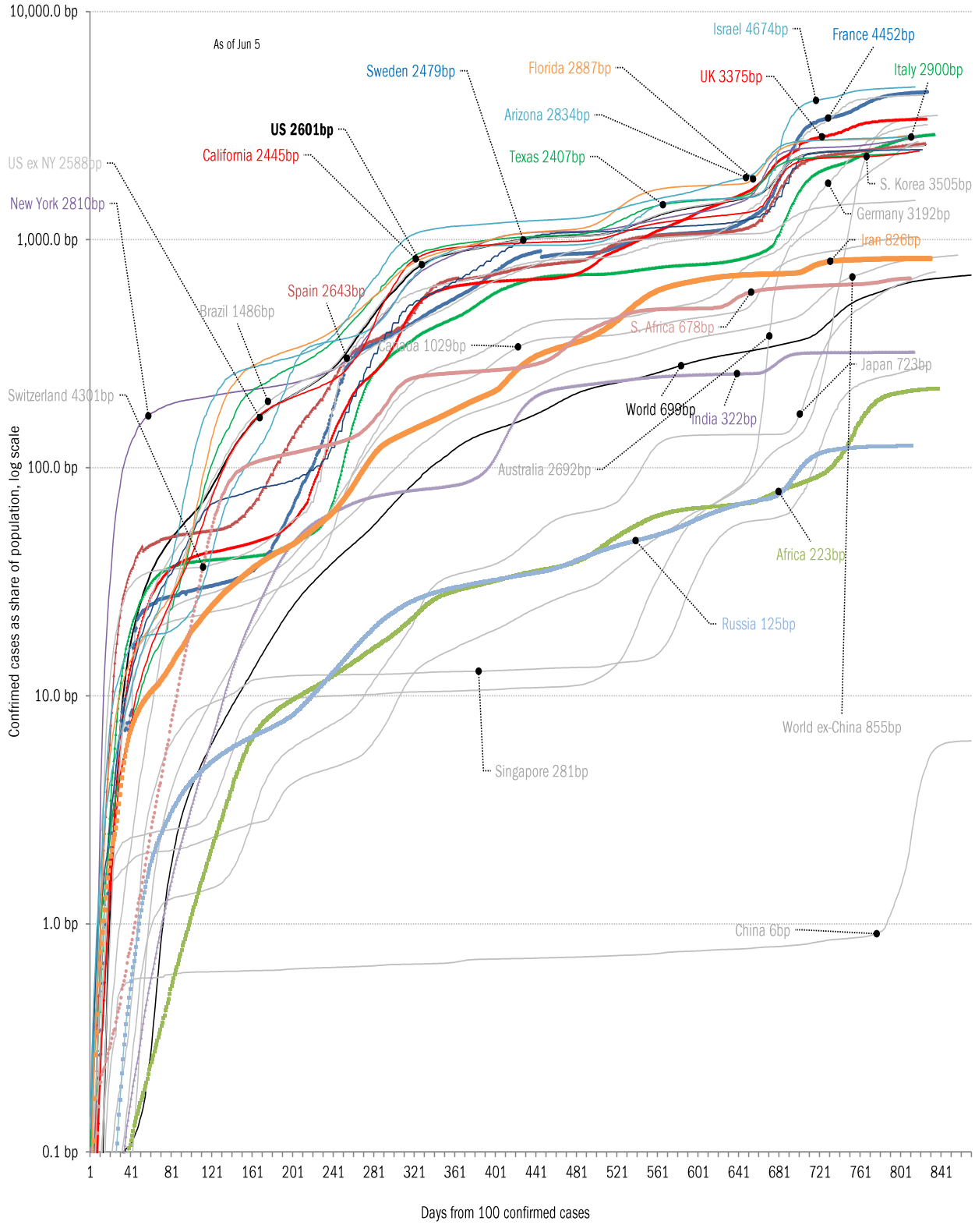
[Yep, another classic case of long Covid!]
Alex Berenson
Unreported Truths
June 5, 2022

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

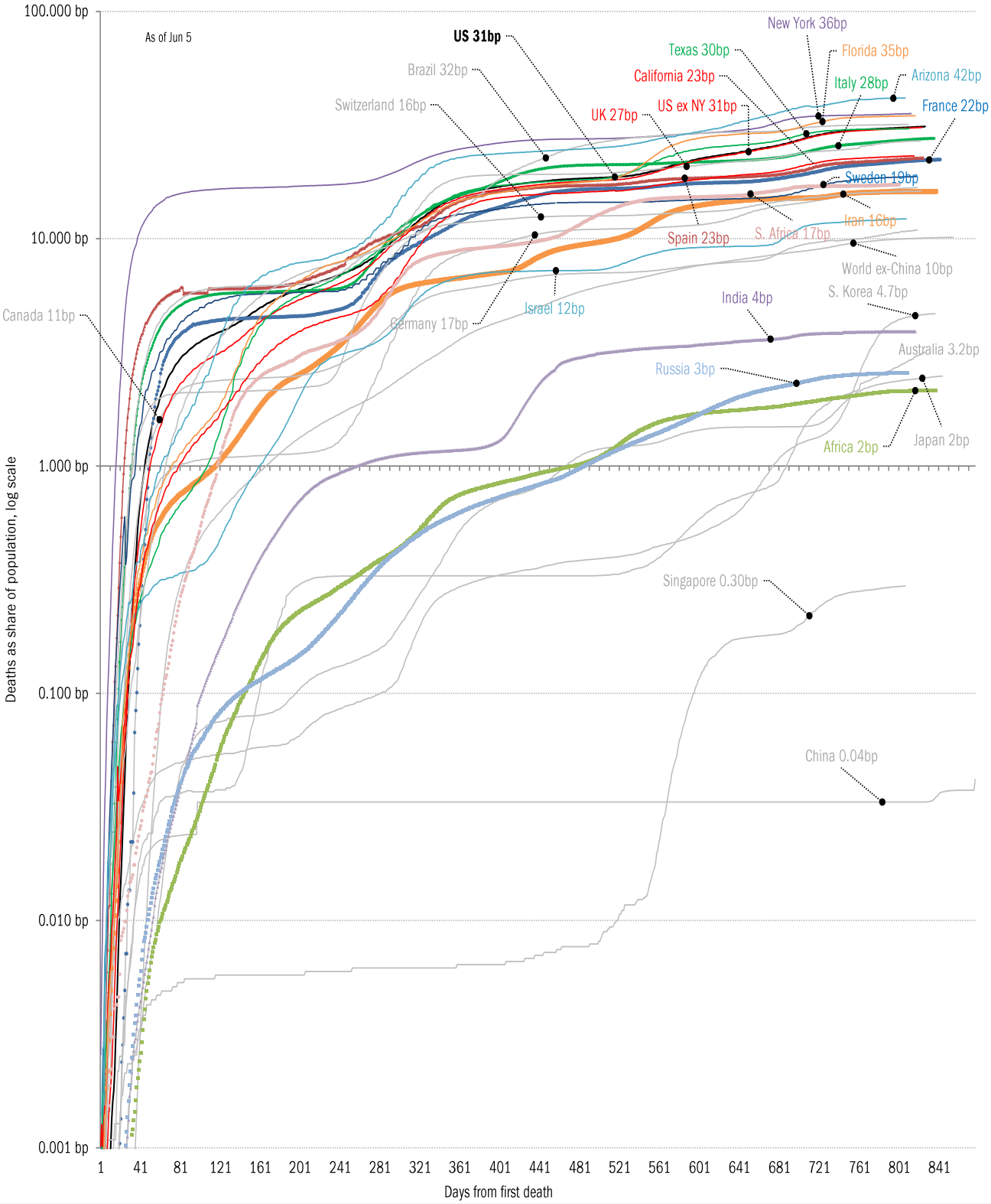
Share of infected population from first day with 100 confirmed cases, log scale



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

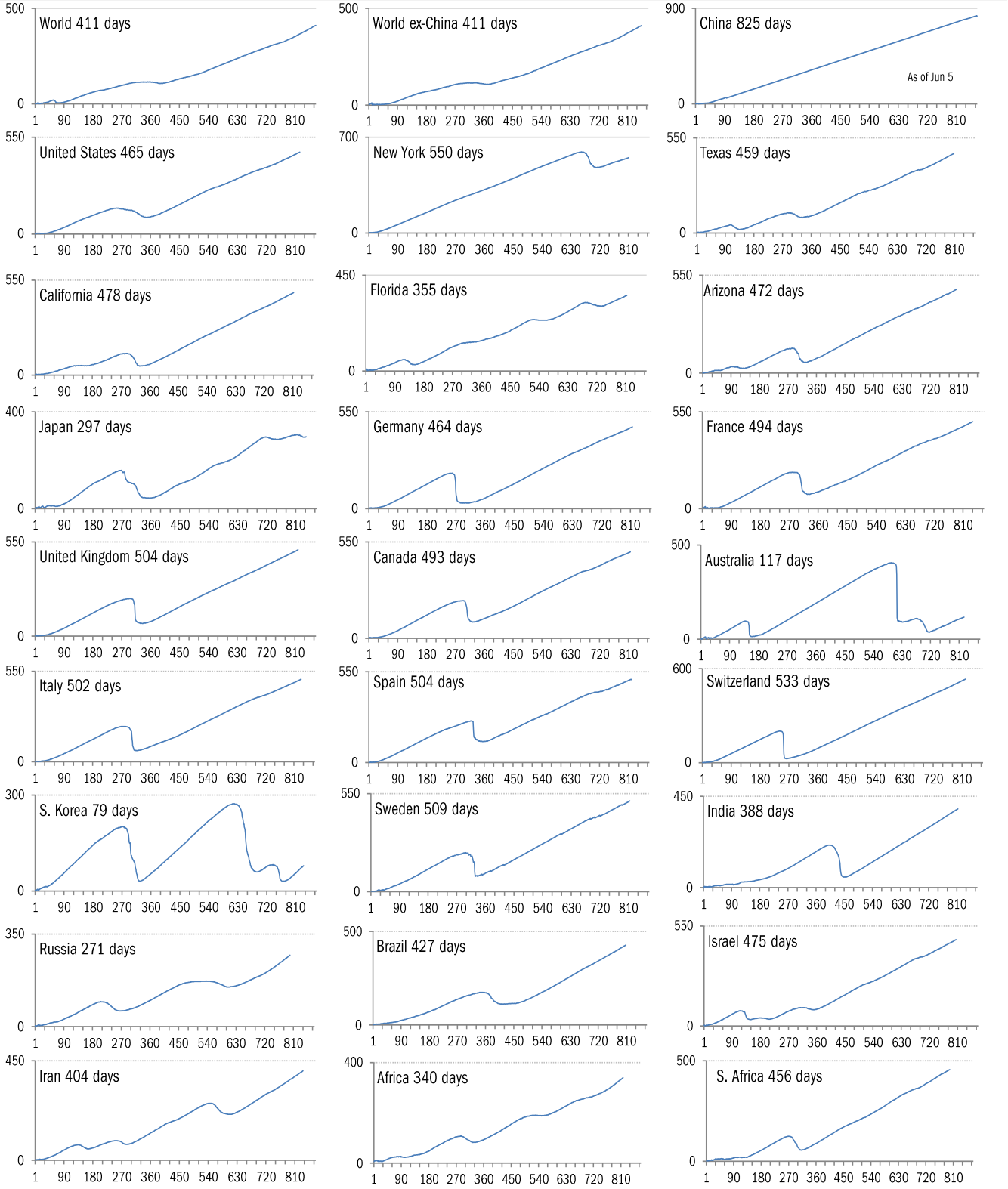


Source: Johns Hopkins, TrendMacro calculations

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, TrendMacro calculations

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

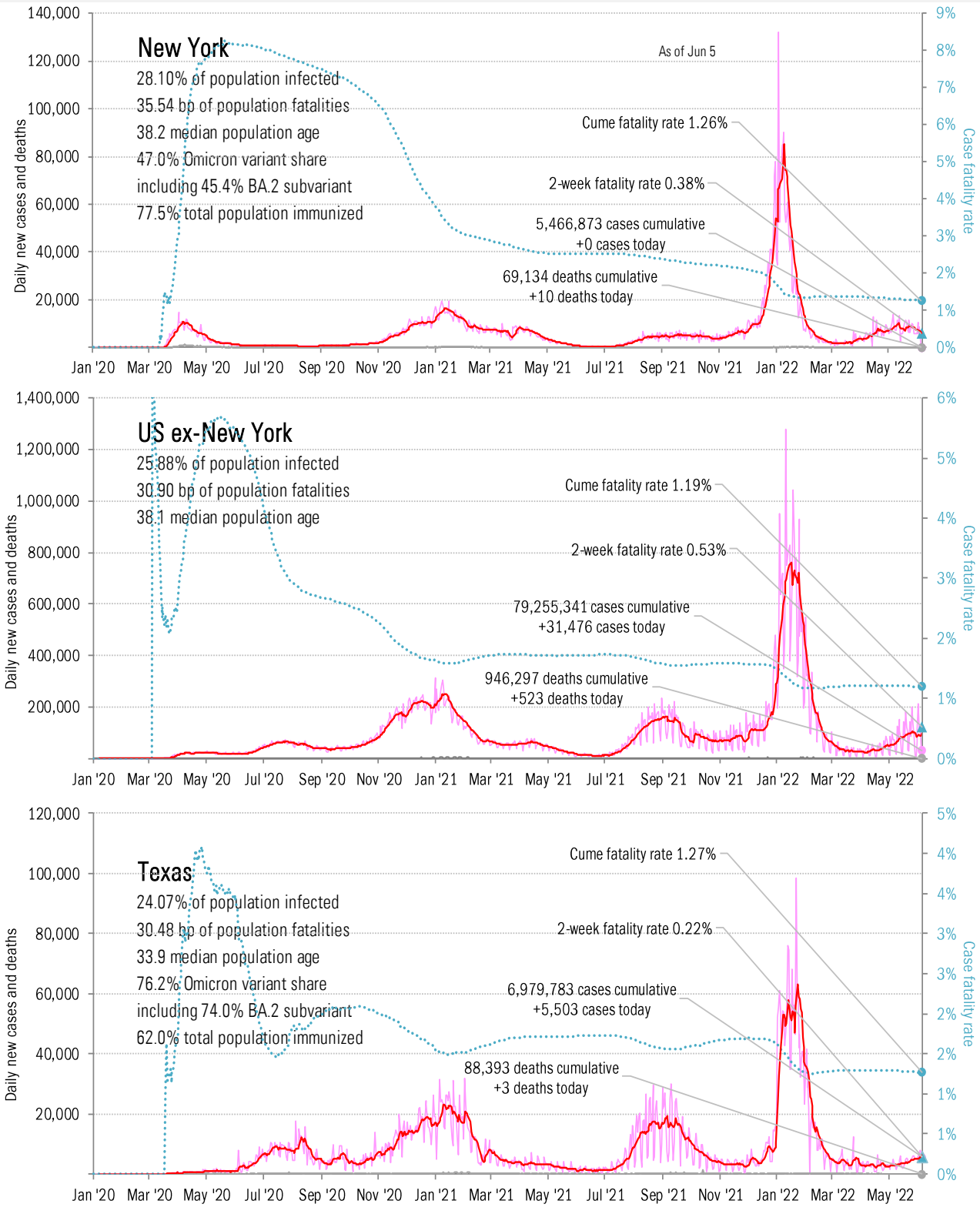
14-day moving average, last 14 days *Most recent value displayed* • High • Low

Downward trajectory Five best Upward trajectory Five worst

Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

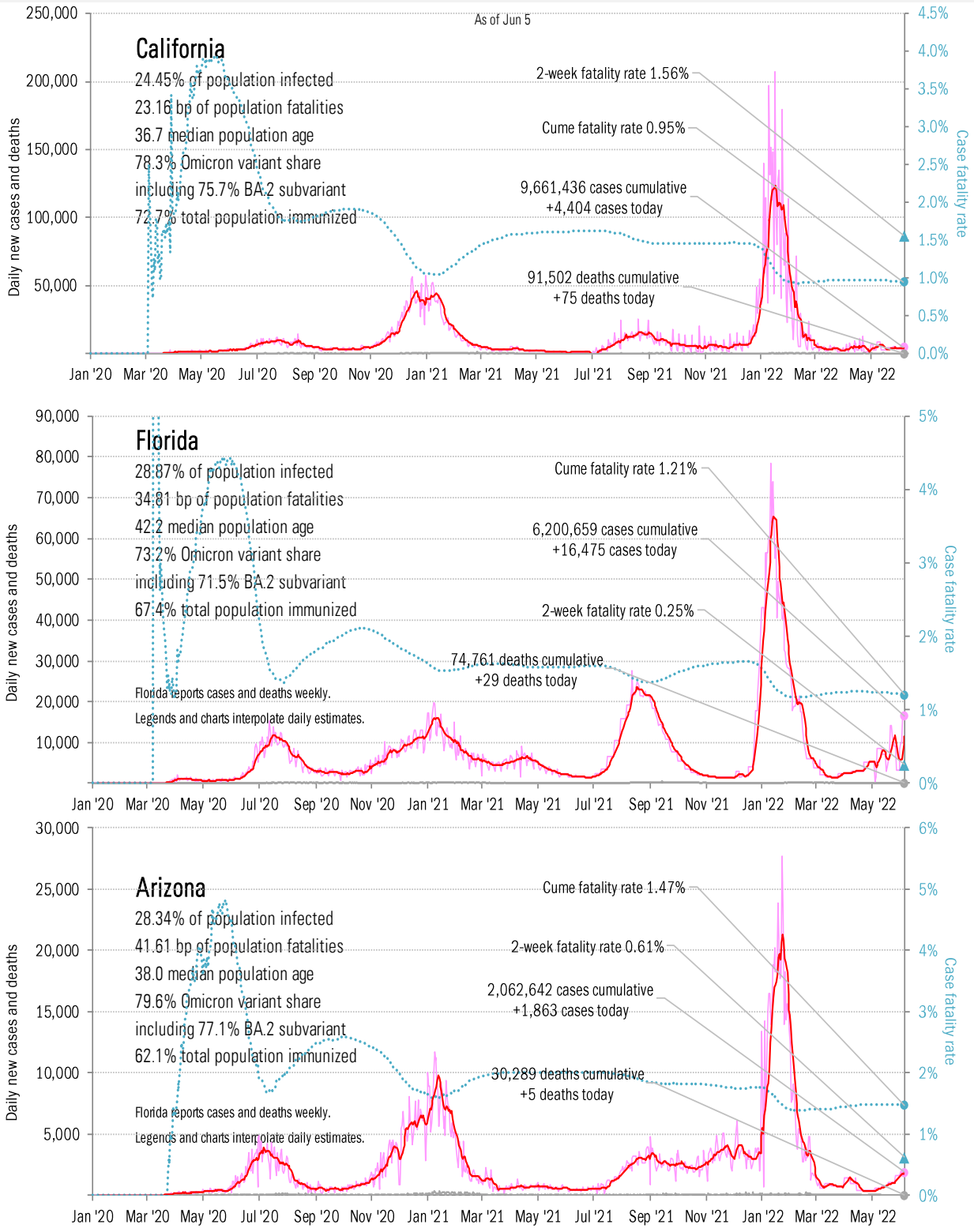
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

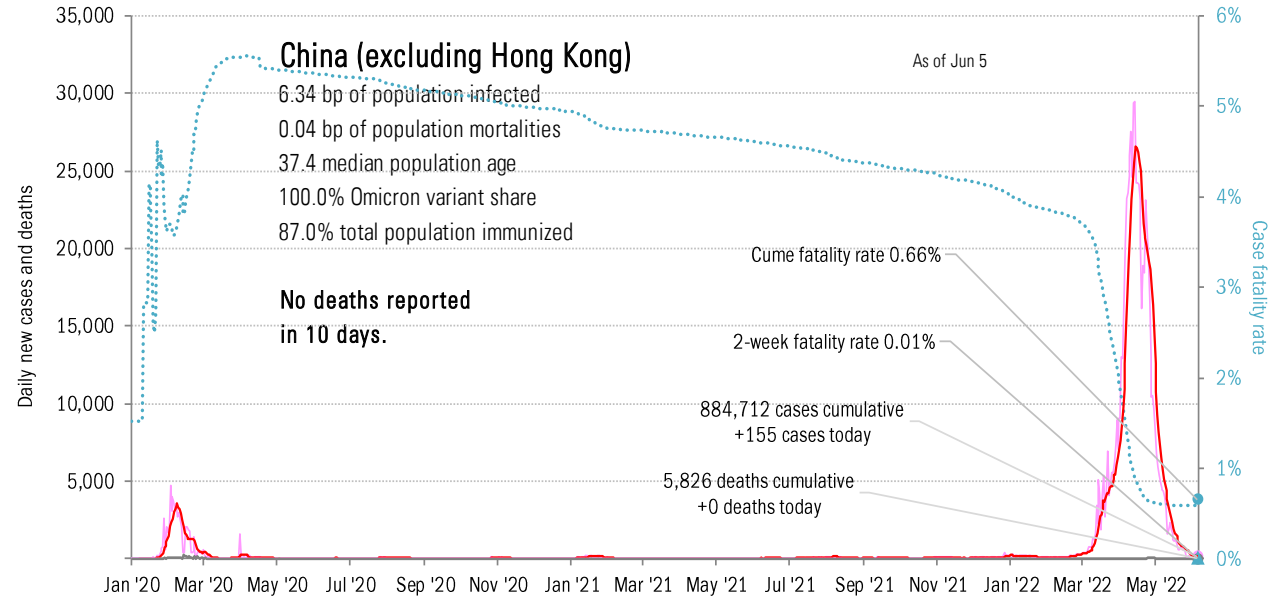
Cases: 7-day average and daily Deaths: Daily

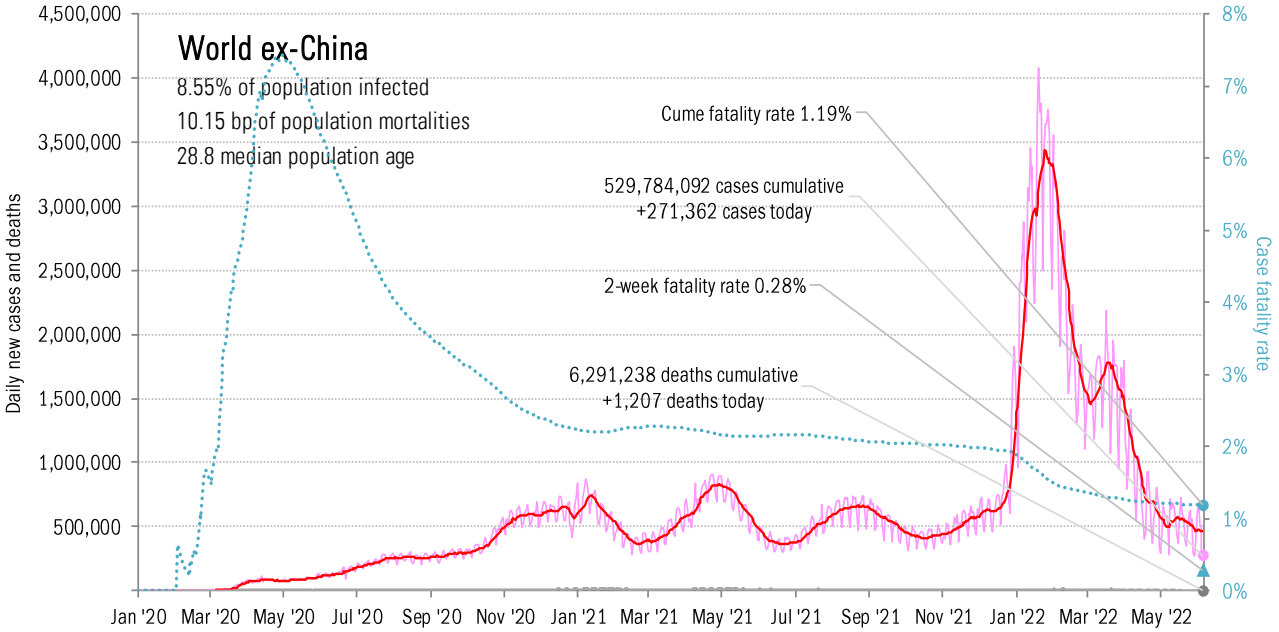


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

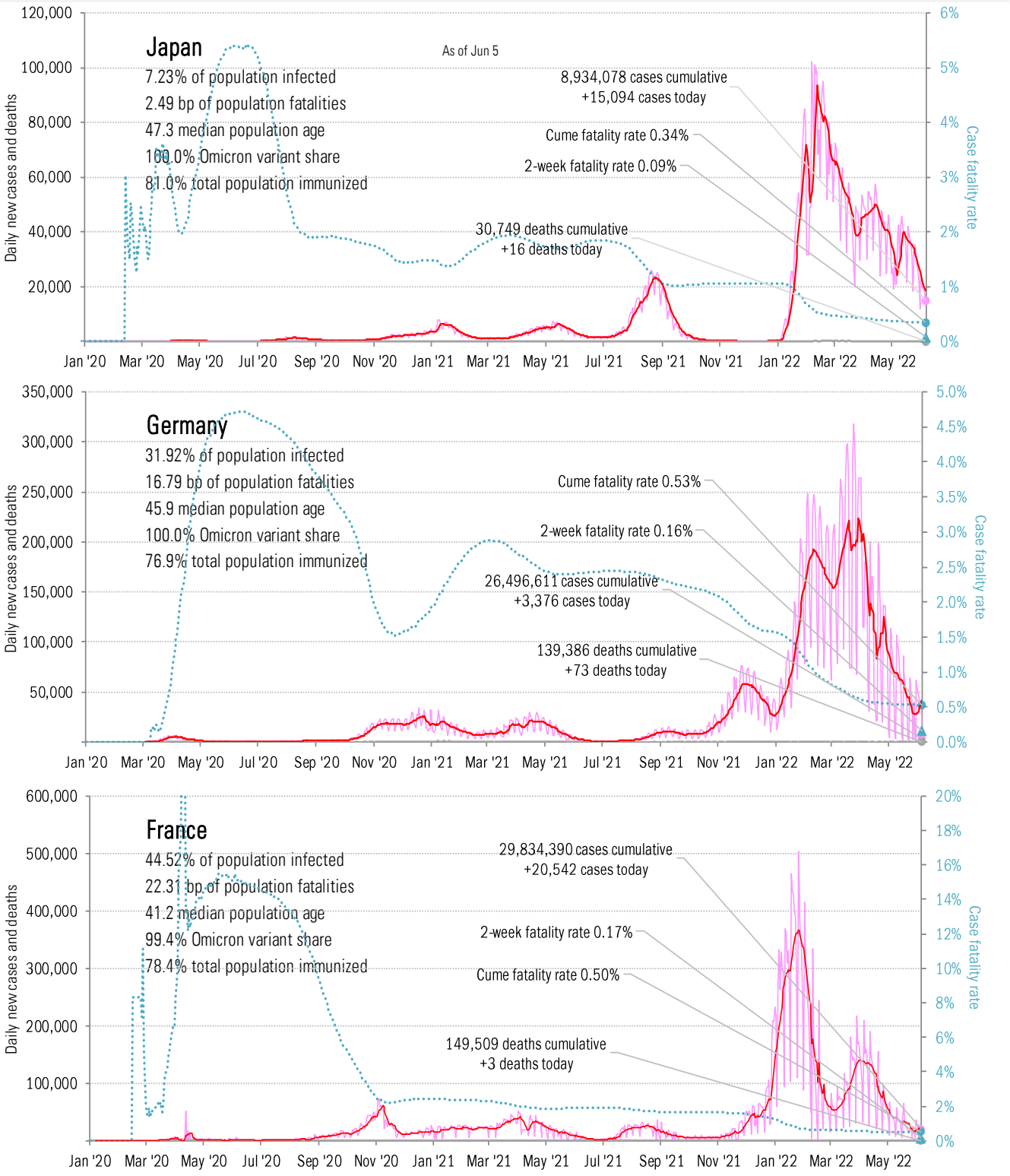




Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

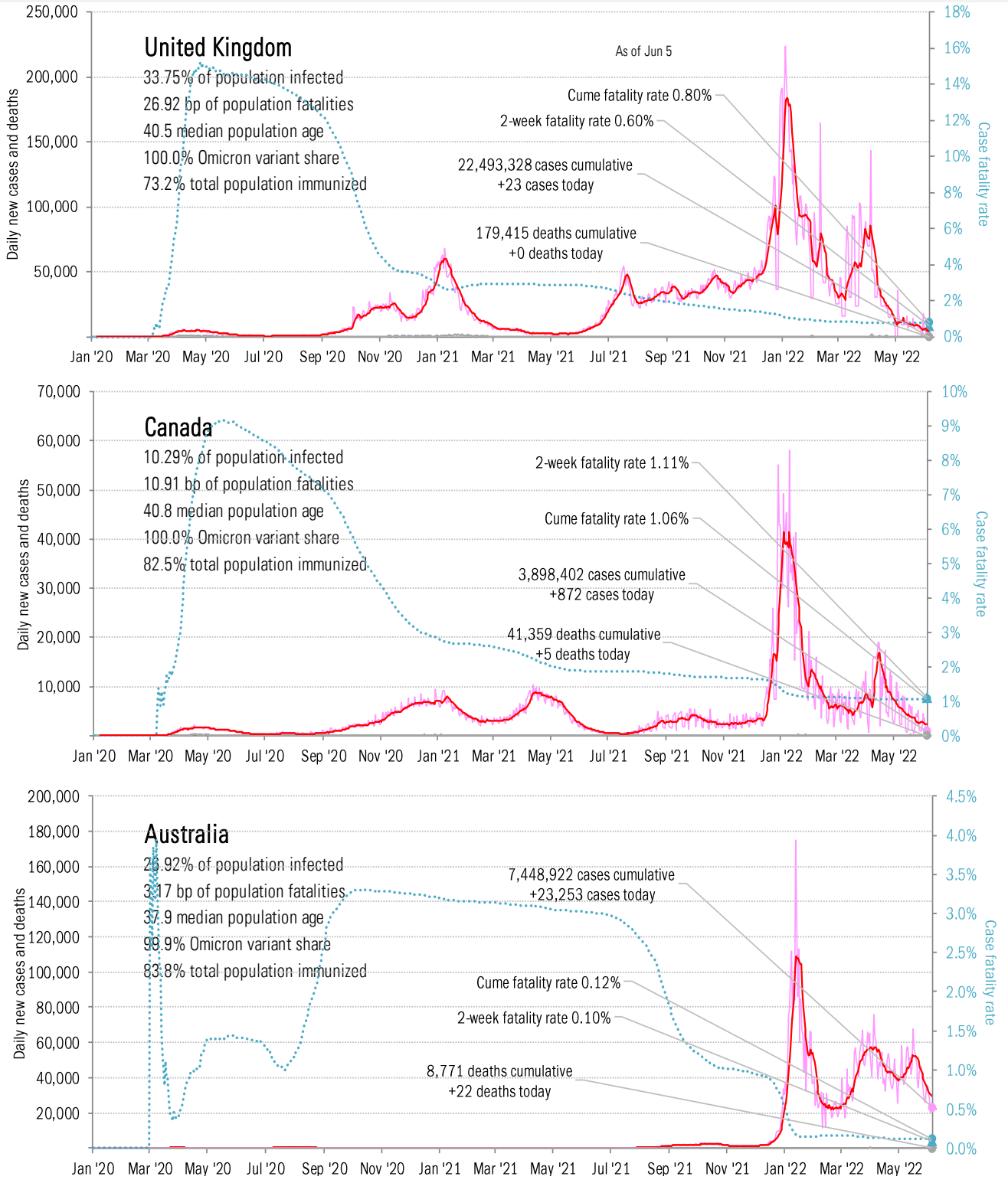
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

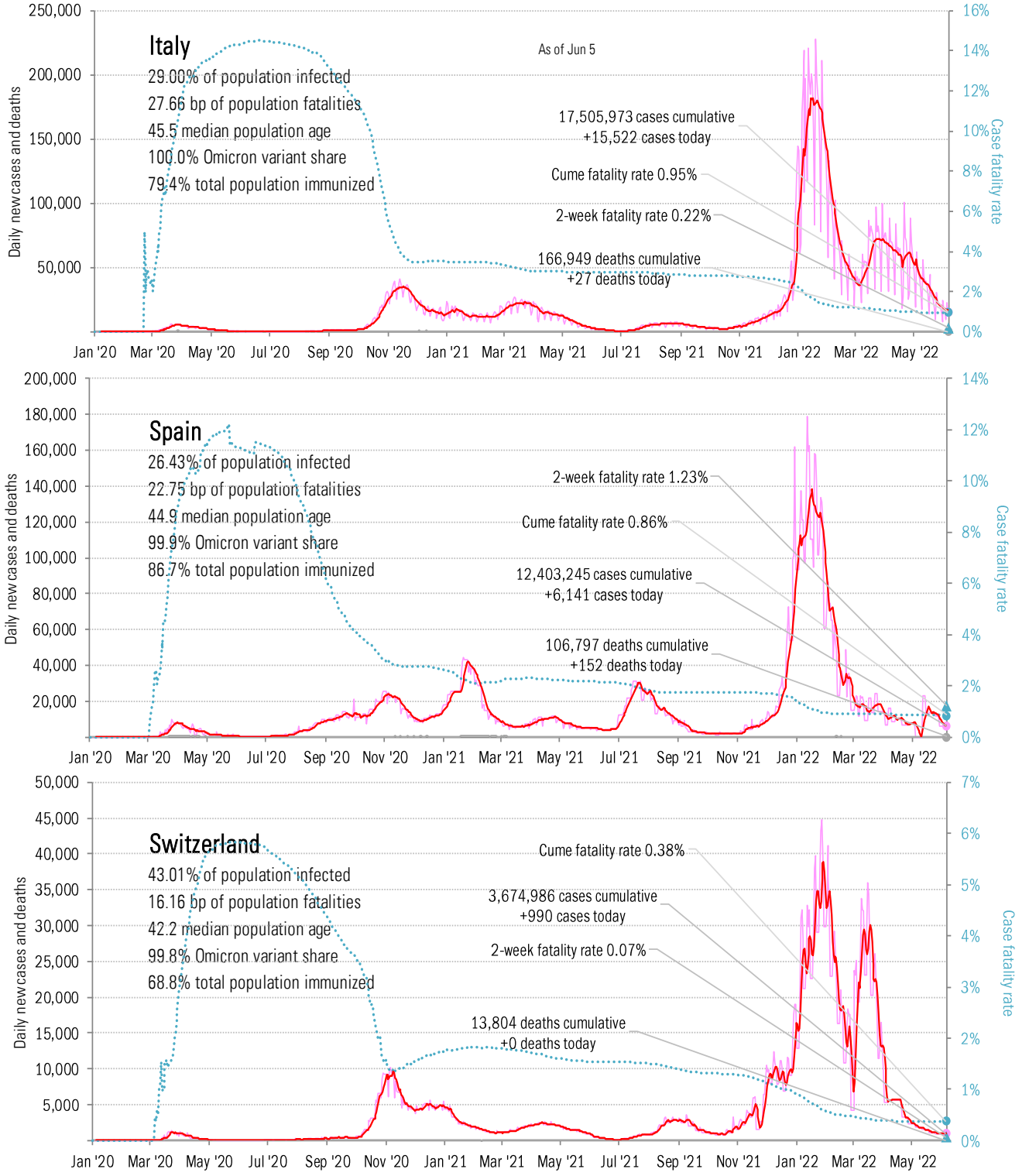
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

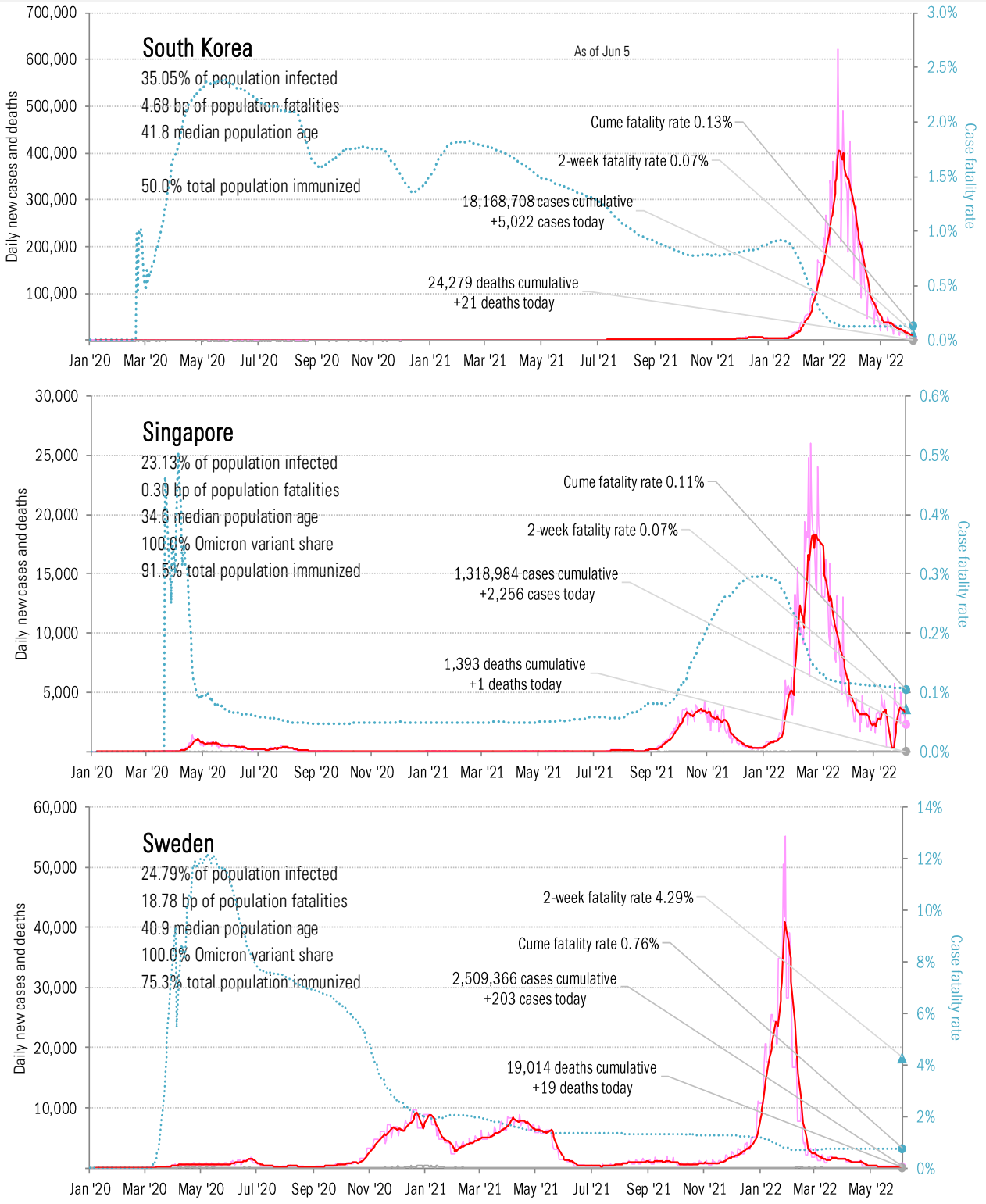
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

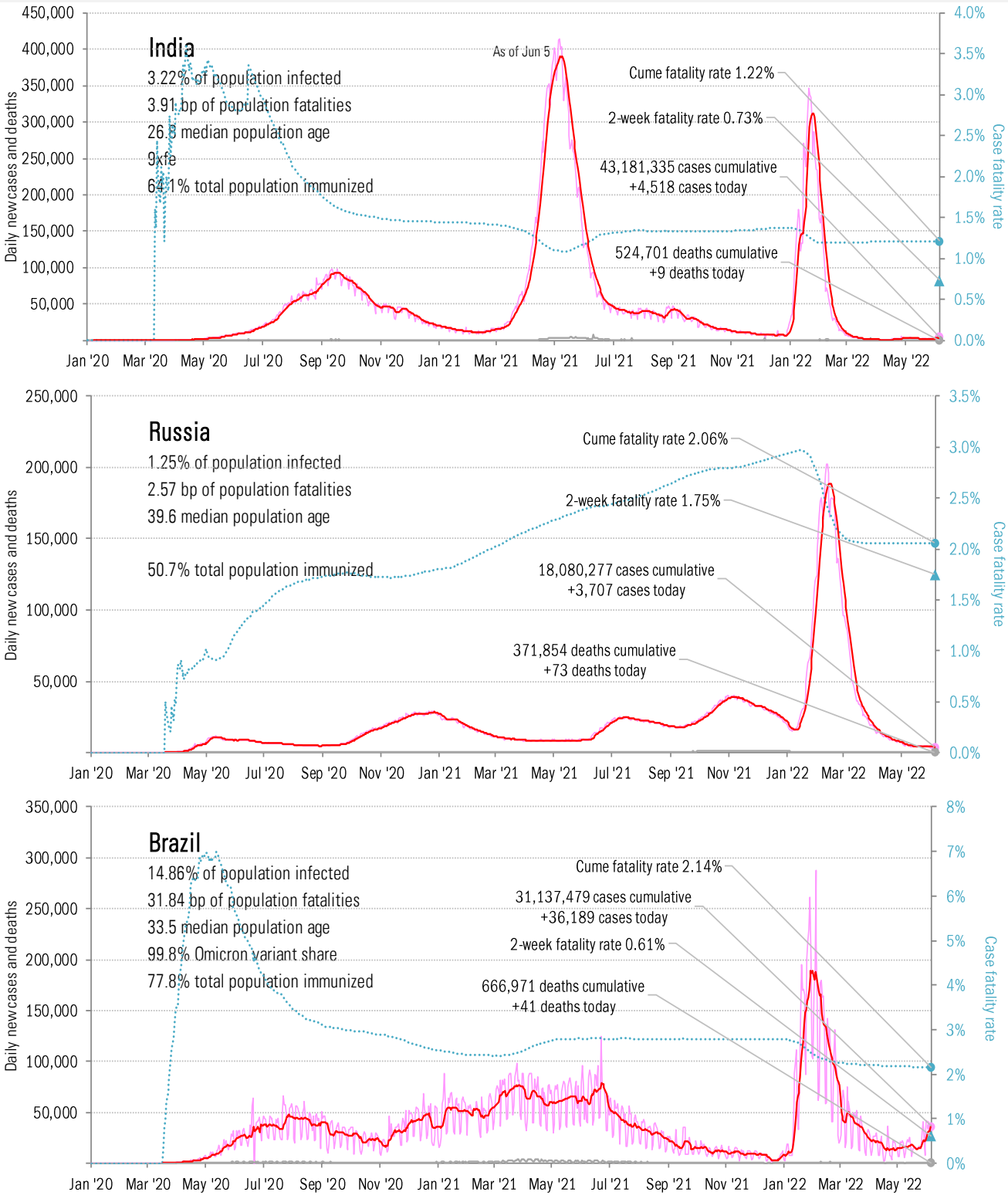
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

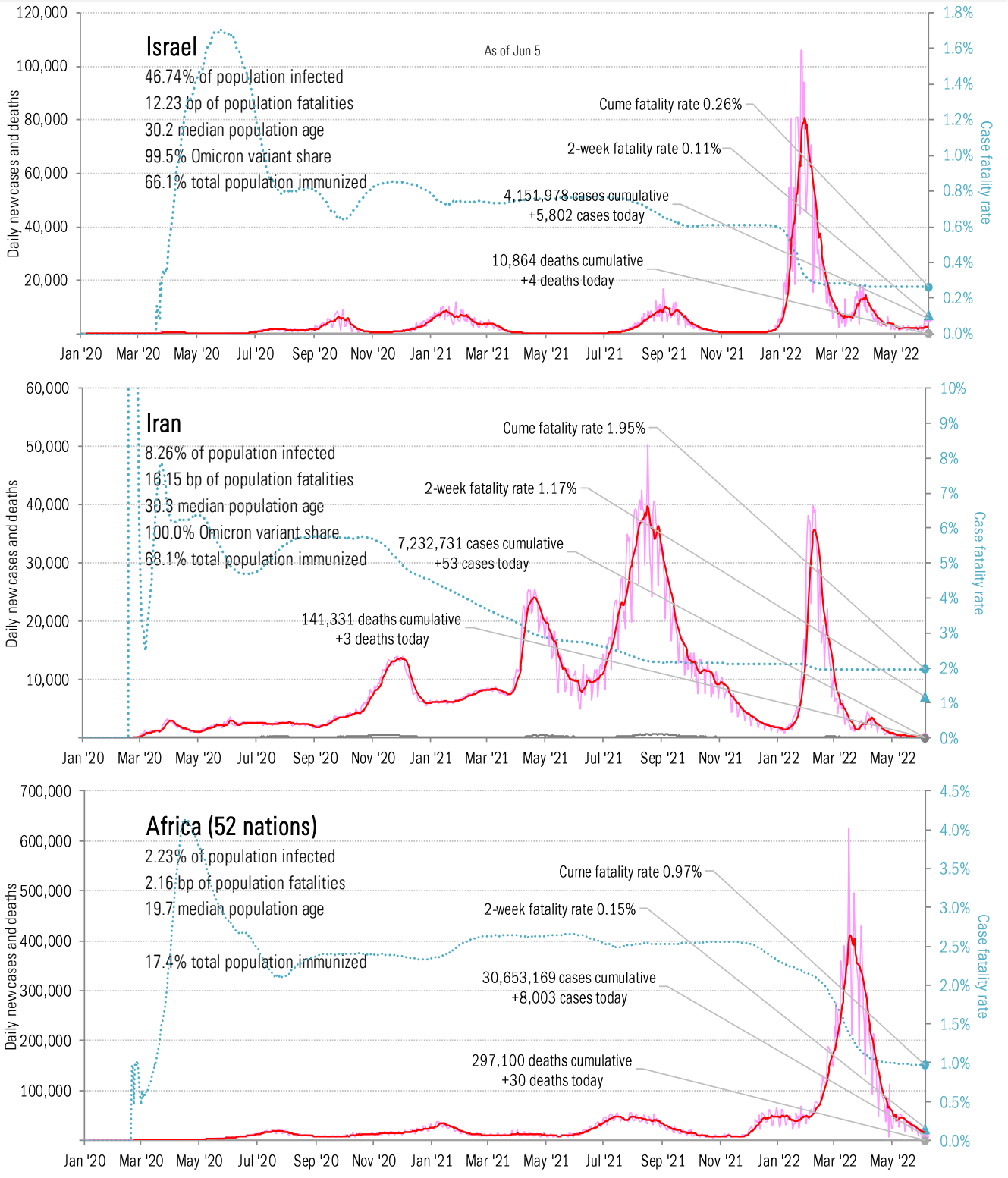
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

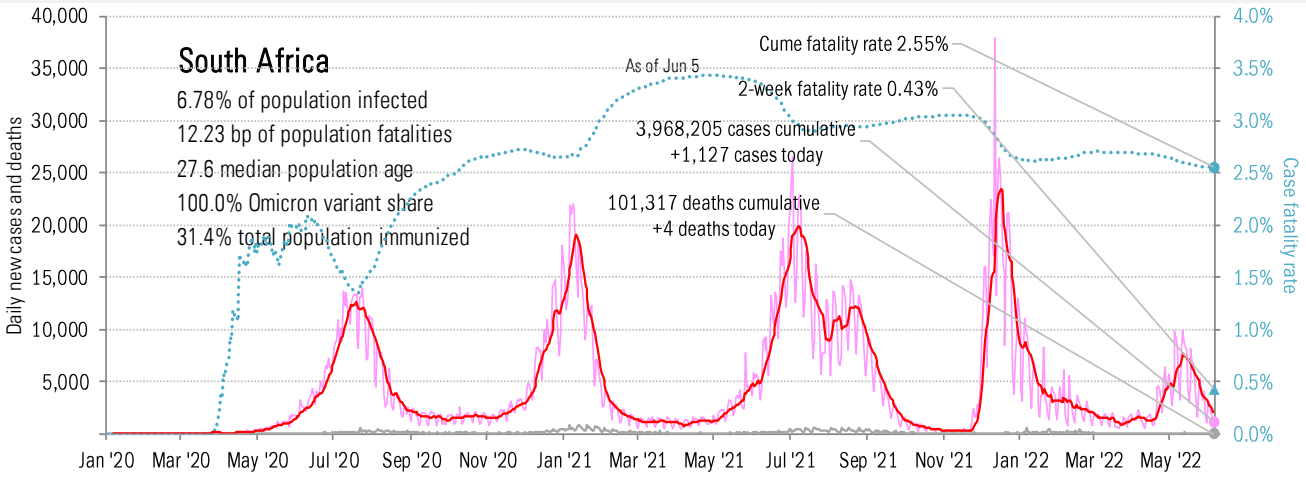
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations