Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

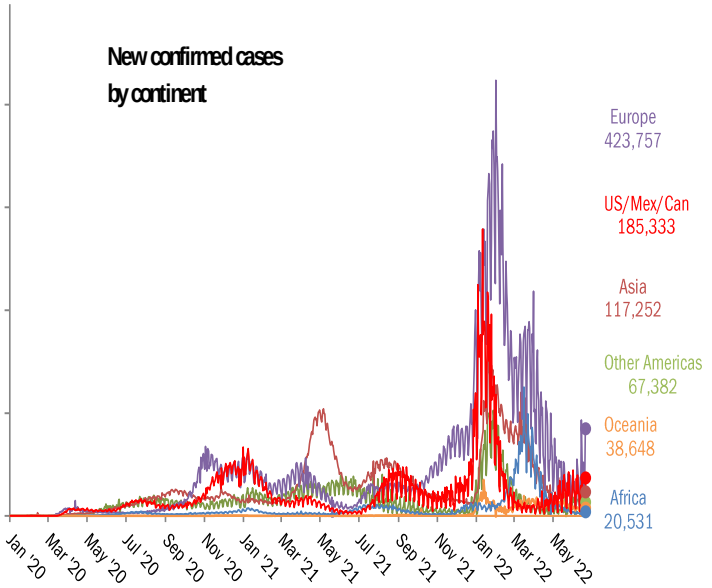
Wednesday, June 22, 2022

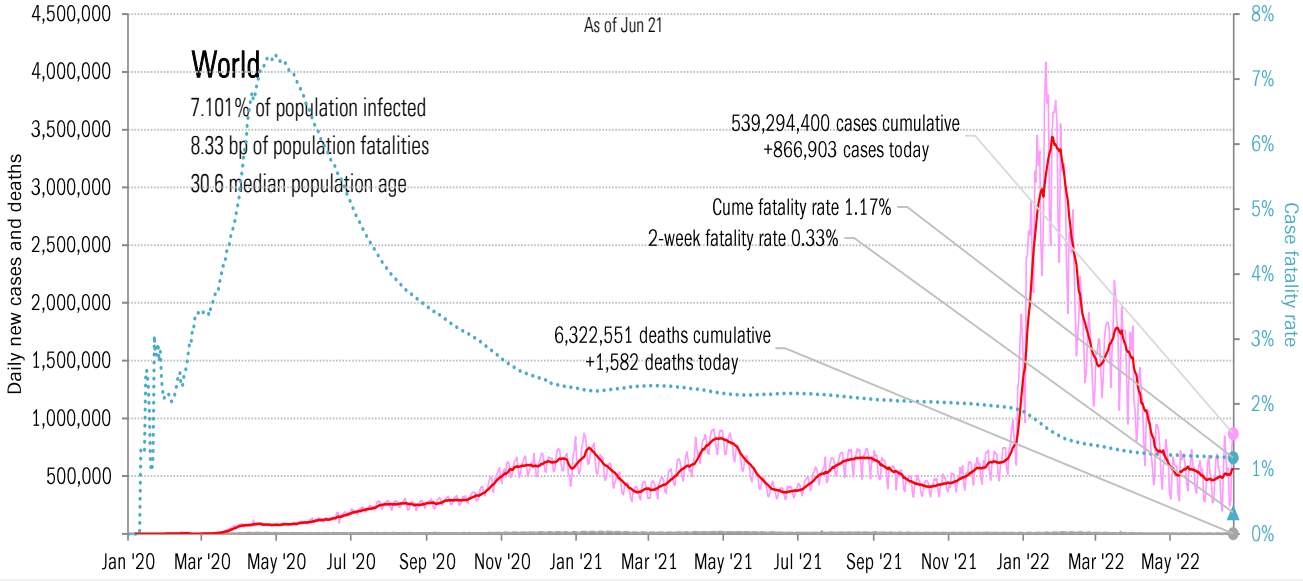
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	169,151	United States	352
Germany	119,232	Brazil	229
France	95,694	Spain	122
Brazil	64,362	Taiwan*	115
Italy	63,264	United Kingdom	105
Taiwan*	56,366	Germany	104
Spain	50,235	Australia	62
Australia	32,895	Italy	62
Switzerland	24,720	Russia	59
Portugal	18,035	France	56
	693,954		1,266
World	866,903	World	1,582
Top ten	80%	Top ten	80%





Source: Johns Hopkins, TrendMacro calculations

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

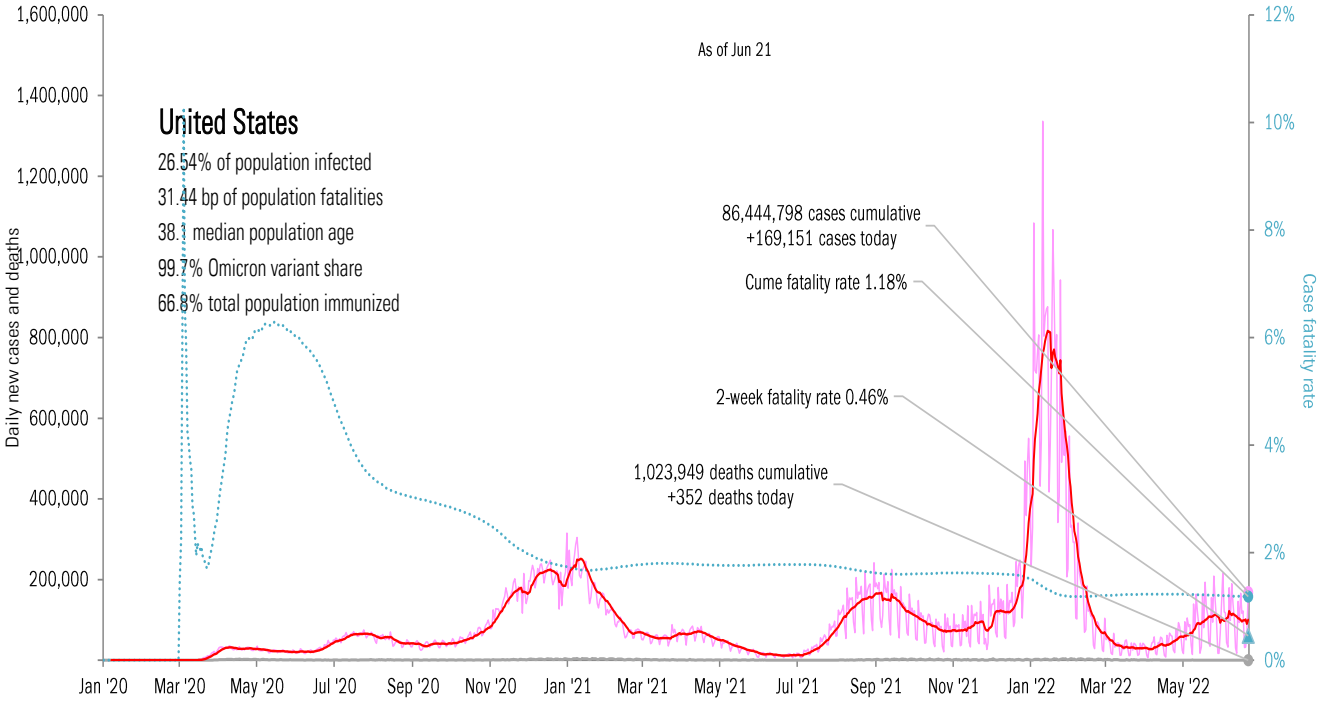
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
CA	50,702	CA	59	TX	335	CA	9,957,527	CA	91,992	TX	500,380	RI	90%	DE	84%
TX	18,018	FL	49	OK	43	TX	7,094,361	TX	88,569	CA	444,655	MA	84%	TX	81%
IL	13,424	CT	17	WI	69	FL	6,378,065	FL	75,291	FL	437,341	WA	82%	WA	81%
FL	11,666	MA	17	NE	25	NY	5,560,168	NY	69,458	NY	268,253	MN	81%	NM	79%
NY	10,808	TX	16	AL	63	IL	3,393,519	PA	45,580	GA	208,503	MO	81%	RI	79%
SC	10,621	PR	14	KY	70	PA	2,975,031	OH	38,657	OH	198,458	DE	80%	MA	79%
TN	6,590	IL	12	ID	22	NC	2,823,979	IL	38,422	PA	185,504	MD	80%	AL	77%
MA	4,389	SC	12	PR	29	OH	2,815,069	GA	38,360	IL	166,738	GA	80%	NC	76%
OR	4,272	VA	12	NM	30	GA	2,608,172	MI	36,675	MI	148,990	PA	79%	AK	76%
MS	3,462	AR	10	NC	106	MI	2,581,397	NJ	33,949	KY	135,502	NH	79%	NH	75%
	133,952		218		792		46,187,288		556,953		2,694,324				
All states	169,151		352		3,869	All states	86,444,798		1,023,949		4,894,737	All states	70%		67%
Top ten	79%		62%		20%	Top ten	53%		55%		55%	Median	72%		70%

Some states not reporting

Five most improved US states

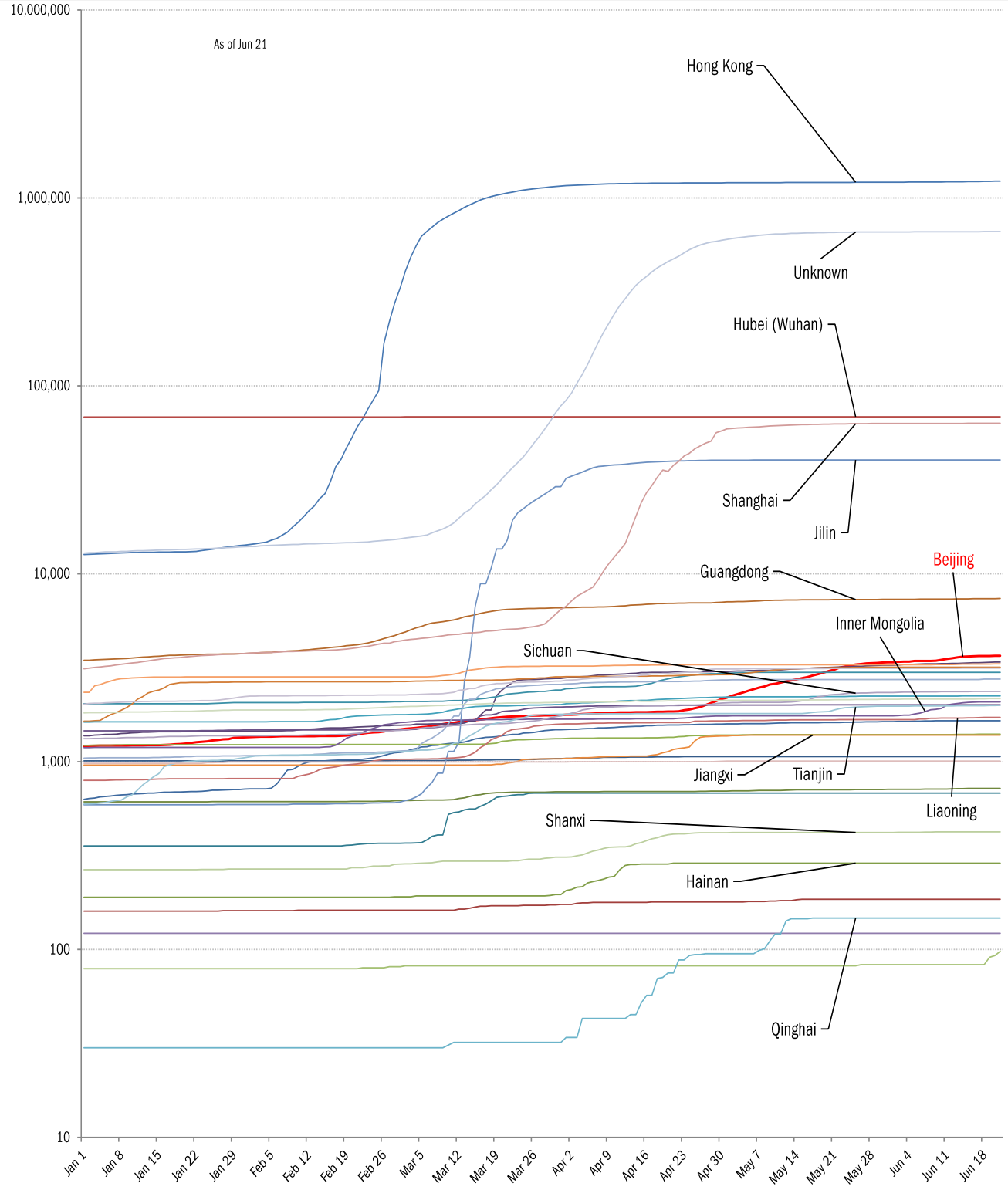
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
VA	-3,668	FL	-97	NY	-136	WY	+10 bp
KY	-2,813	IN	-23	FL	-94	ID	+10 bp
IN	-2,691	WI	-3	SC	-78	MO	+10 bp
WI	-2,318	CO	-2	NJ	-66	NV	+10 bp
PR	-1,330	AL	-1	CA	-60	AZ	+10 bp



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

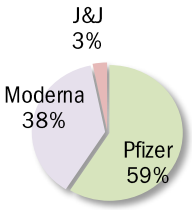
Rolling out the vaccines in the US and the world

Administered	Cumulative				Today
Doses	607,818,435				+0.292 million
of which boosters	106,058,896				+0.073 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	267,065,137	80%	228,268,627	68%	+0.041 million
Age 12 to 17	17,865,917	71%	15		on
Age 18 to 64	179,337,039	88%	152		on
Age 65 and over	59,261,185	100%	57		on

The CDC did not update vaccination data today.

Immunity	Full	Partial
US	66.8%	78.1%
UK	73.4%	78.5%
France	78.4%	80.7%
Spain	86.7%	88.2%
Germany	76.9%	77.0%
Italy	79.4%	84.1%
Australia	83.9%	86.6%
Israel	66.1%	72.2%
Canada	82.6%	86.1%
Japan	81.1%	82.3%
Africa	18.3%	23.7%
India	64.8%	72.8%
Brazil	78.6%	86.2%
China	87.1%	89.4%

Global data differs due to sources, timing



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

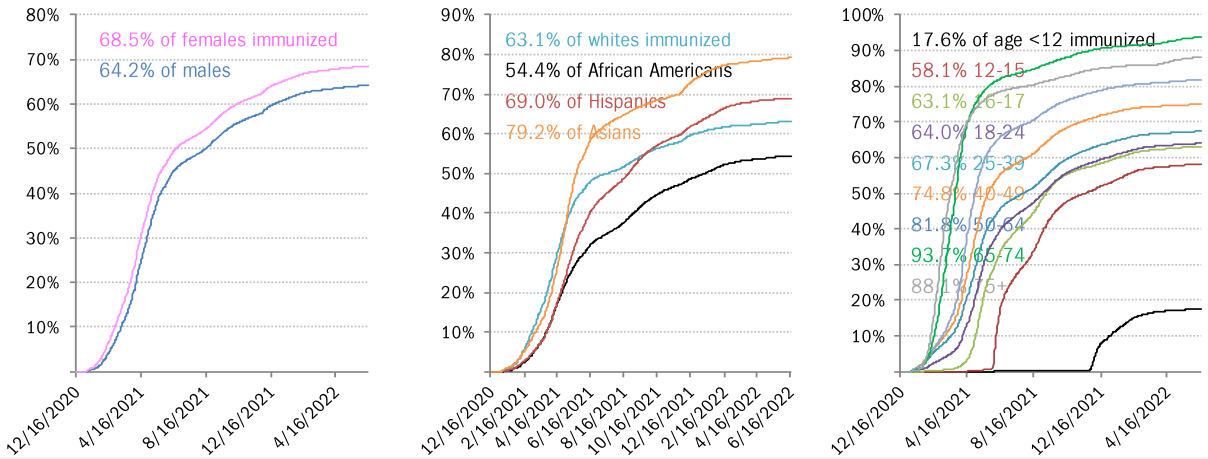
"Immunity" = two doses

Best
Middle
Worst

As of Jun 16

					WI					ME
					72.3%					91.5%
					66.0%					80.3%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
81.4%	62.1%	65.7%	66.0%	75.5%	76.4%	67.4%		90.9%	94.3%	89.2%
73.1%	55.8%	57.2%	55.9%	69.6%	69.1%	60.6%		77.6%	81.8%	71.3%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
78.4%	75.9%	58.5%	77.5%	68.3%	62.5%	63.6%	85.8%	91.2%	95.0%	
70.1%	61.4%	51.3%	62.4%	62.4%	56.3%	58.7%	69.4%	76.3%	79.8%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.7%	72.5%	79.9%	70.7%	66.6%	66.6%	65.4%	86.4%	87.2%	95.0%	95.0%
72.8%	64.6%	70.8%	64.0%	56.6%	57.8%	58.0%	73.9%	76.3%	80.0%	83.6%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	74.0%	88.7%	72.9%	67.3%	62.6%	85.5%	68.2%	95.0%	83.9%	
	62.3%	71.8%	62.5%	54.9%	54.9%	62.3%	57.5%	75.9%	69.9%	
			OK	LA	MS	AL	GA			
			71.7%	61.4%	60.0%	63.1%	65.9%			
			57.8%	53.8%	52.2%	51.5%	55.3%			
HI			TX					FL		PR
88.0%			74.1%					80.0%		95.0%
78.8%			62.1%					67.5%		83.5%

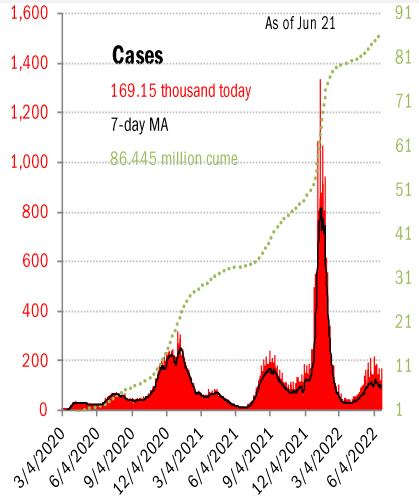
The demographics of US vaccination

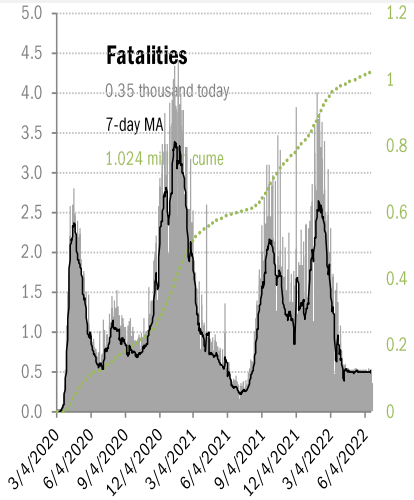


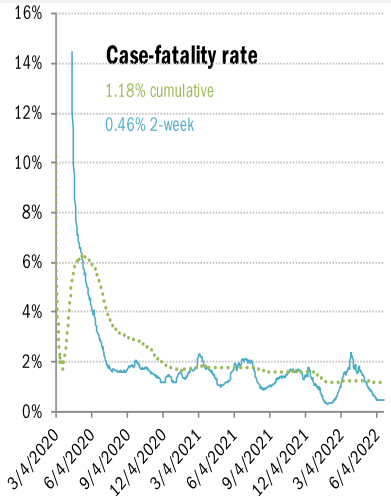
Source: CDC, CDC, Our World in Data, TrendMacro calculations

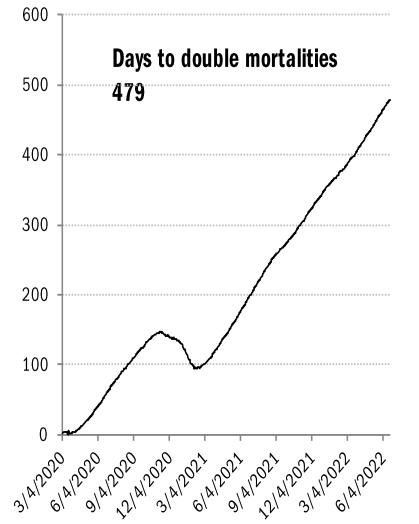
US deep-dive

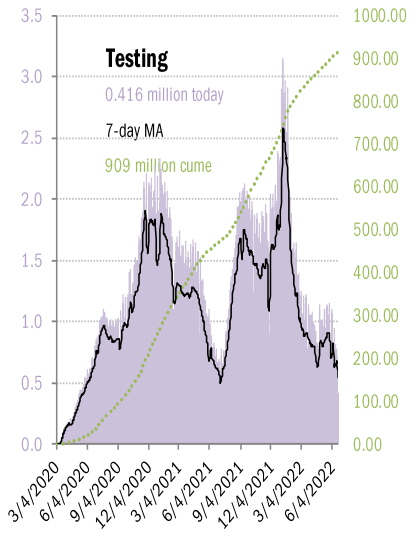
National and state-by-state data do not line up because of different sources

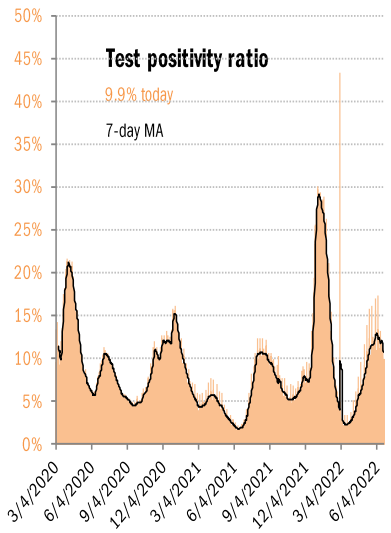


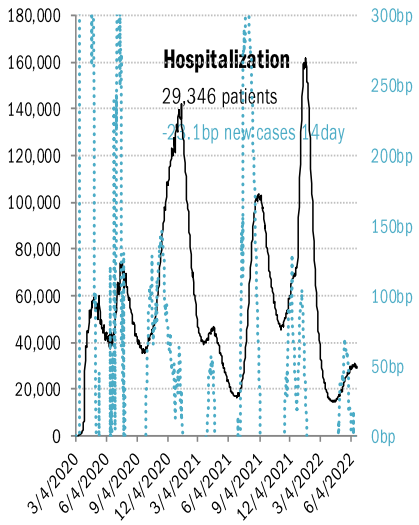


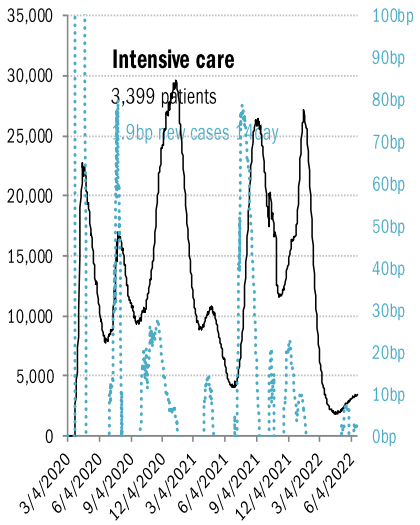


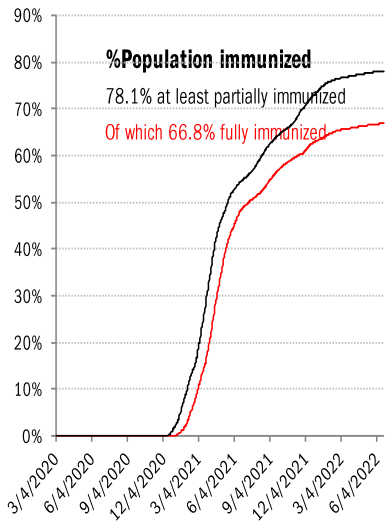












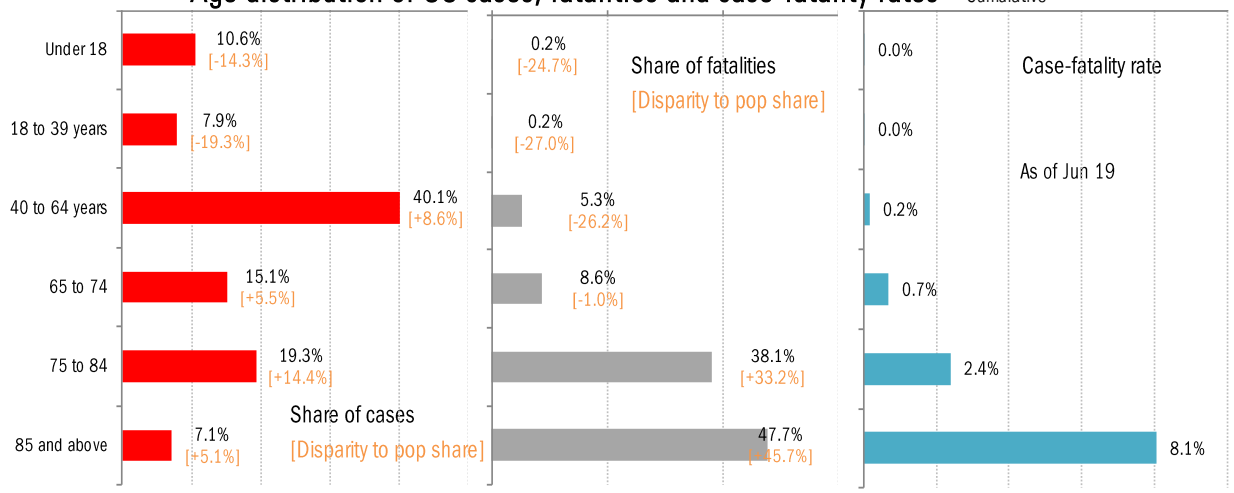
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

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

Updates weekly on Sunday, 1 week lag

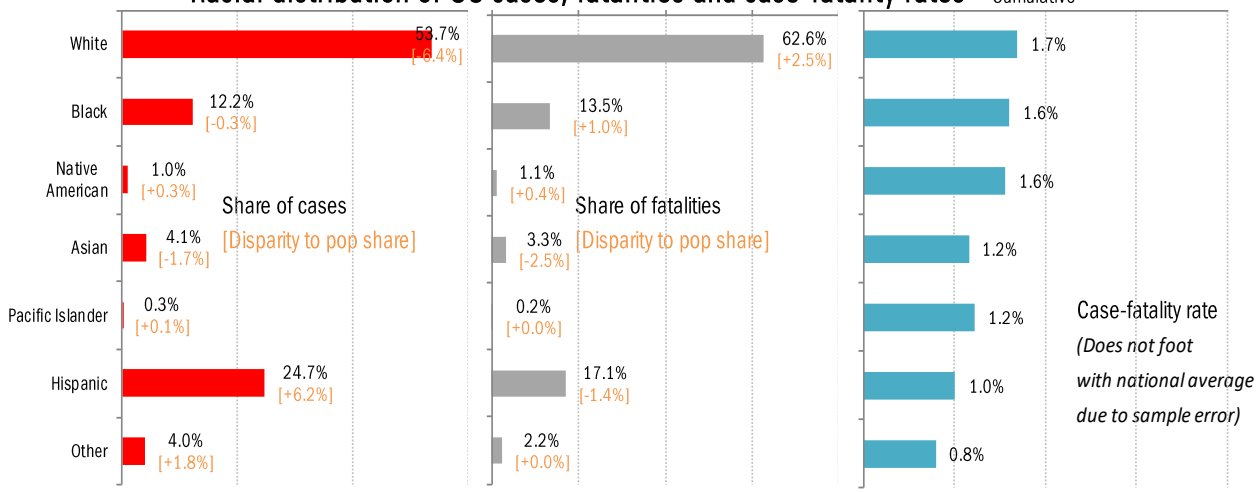
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



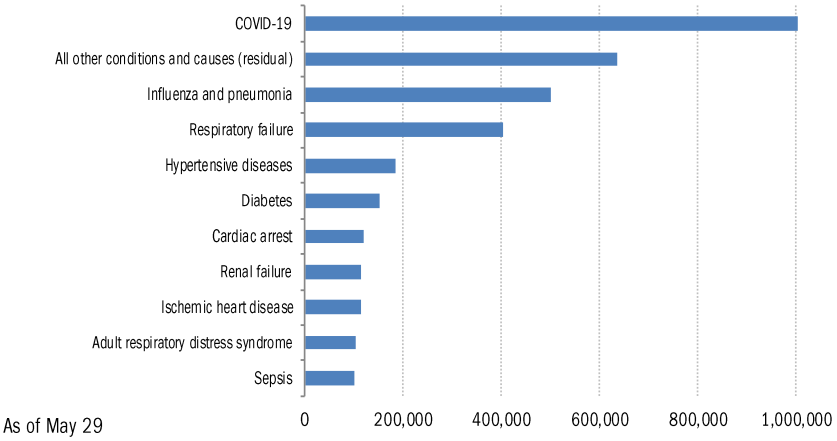
Racial distribution of US cases, fatalities and case-fatality rates

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

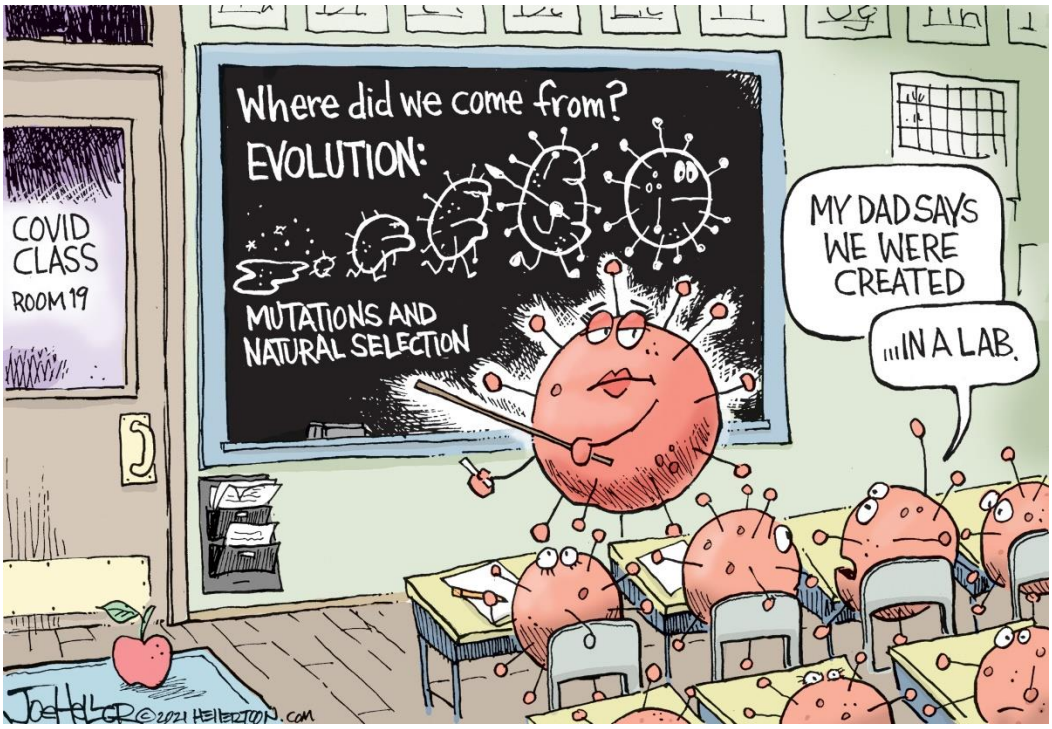
Recommended reading

[Facebook's Audit Director AND Marketing Leads Are Former Pfizer Directors.]
Natalie Winters
National Pulse
January 21, 2022

[Watch: Medical Experts Mock the Idea of Wearing Masks to Stop Viruses Prior to Covid-19 Pandemic]
Kyle Becker
Becker News
June 14, 2022

[Mayim Bialik says getting COVID-19 was 'no joke,' feels regret for going out maskless]
Edward Segarra
USA Today
June 21, 2022

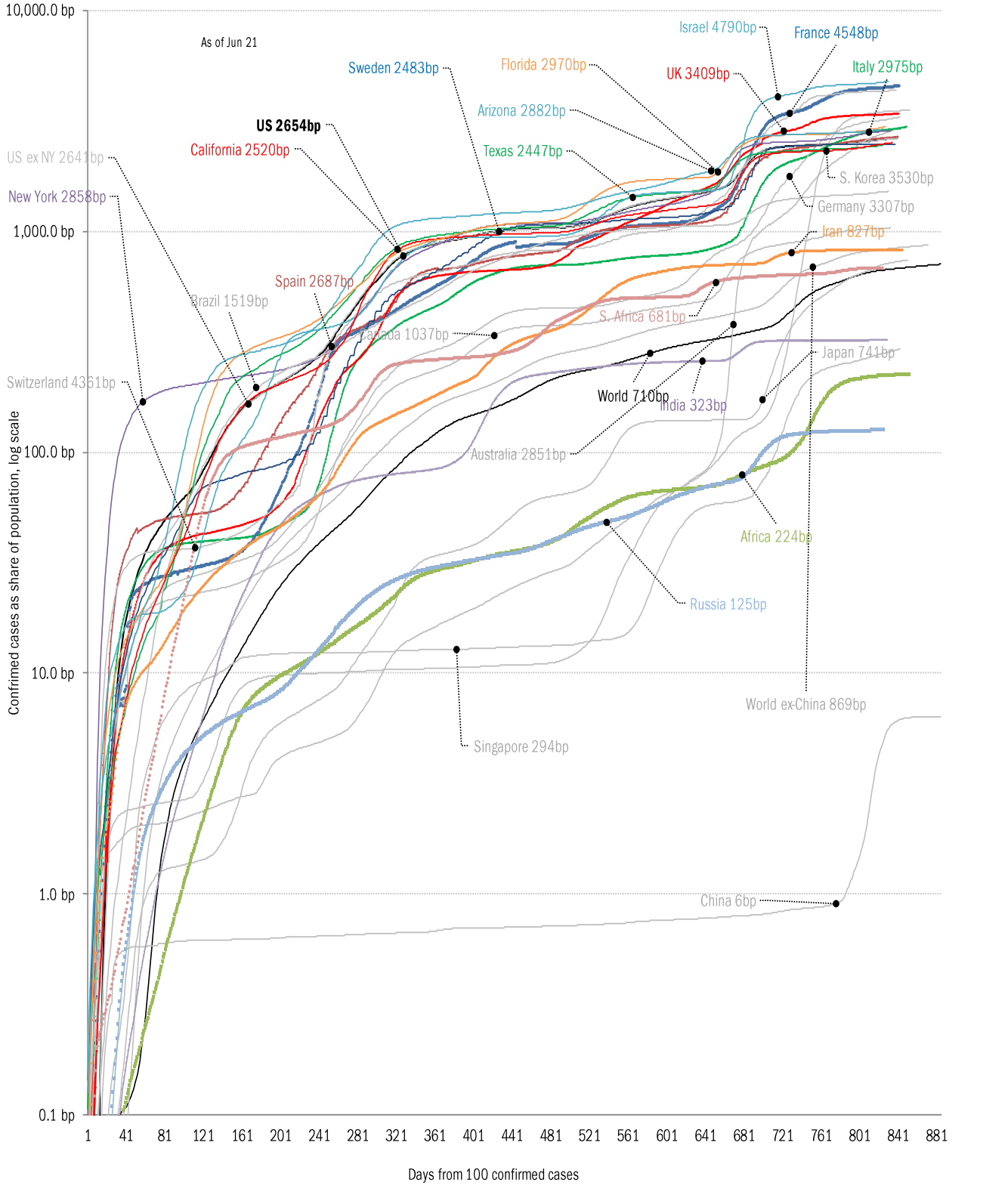
Meme of the day



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

The global coronavirus case accelerometer… tracking the world's infection curves

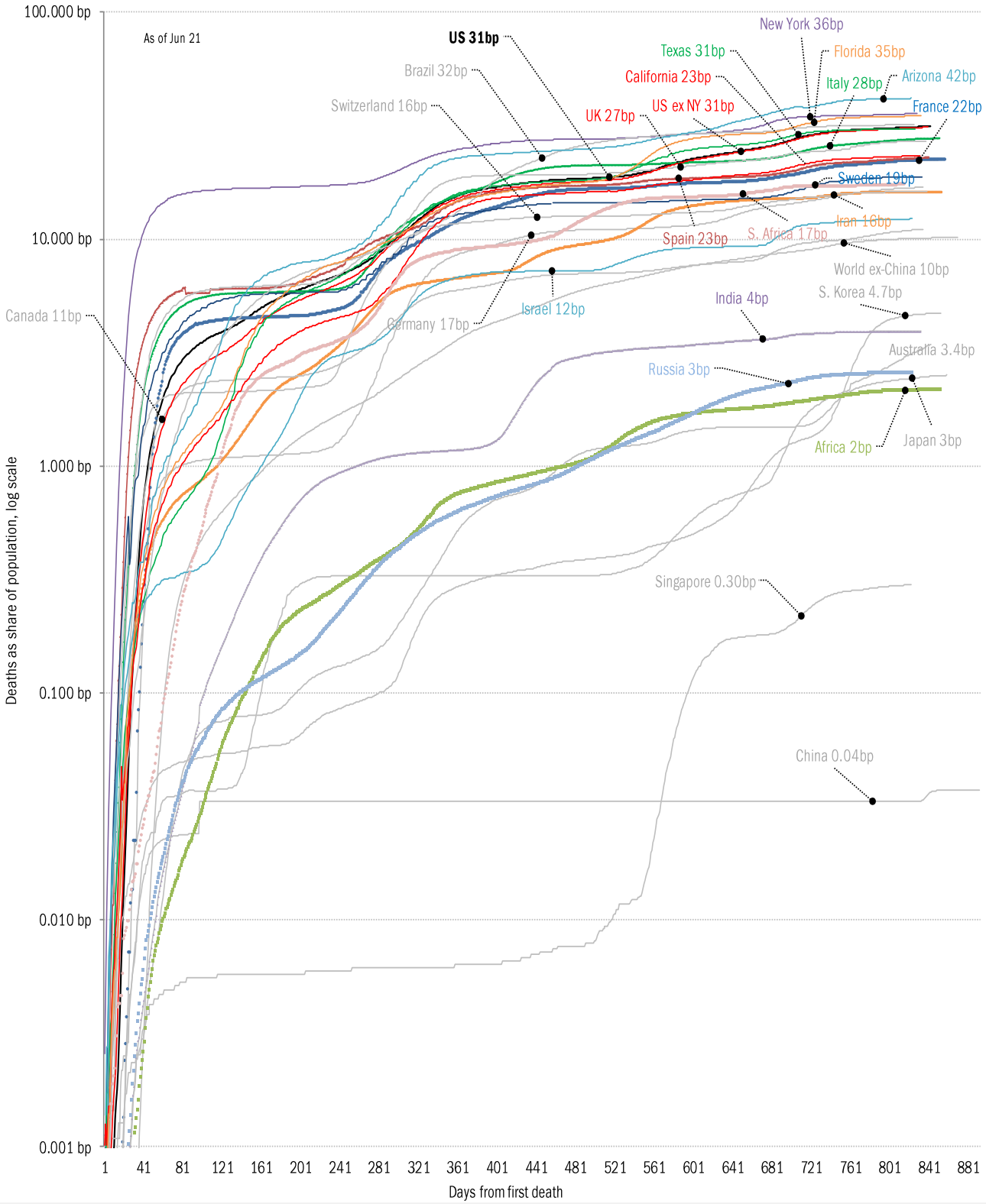
Share of infected population from first day with 100 confirmed cases, log scale



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

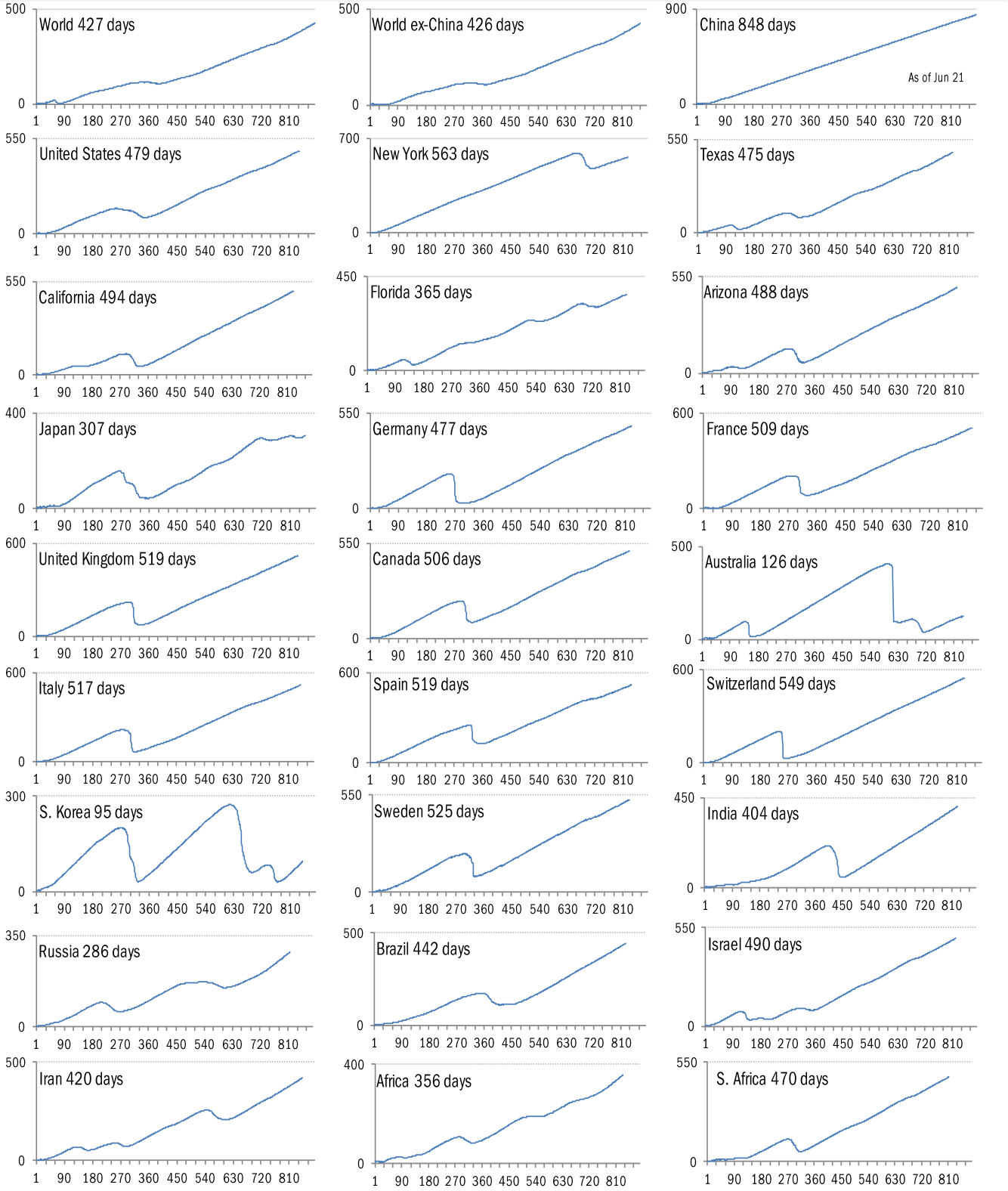


Source: Johns Hopkins, TrendMacro calculations

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

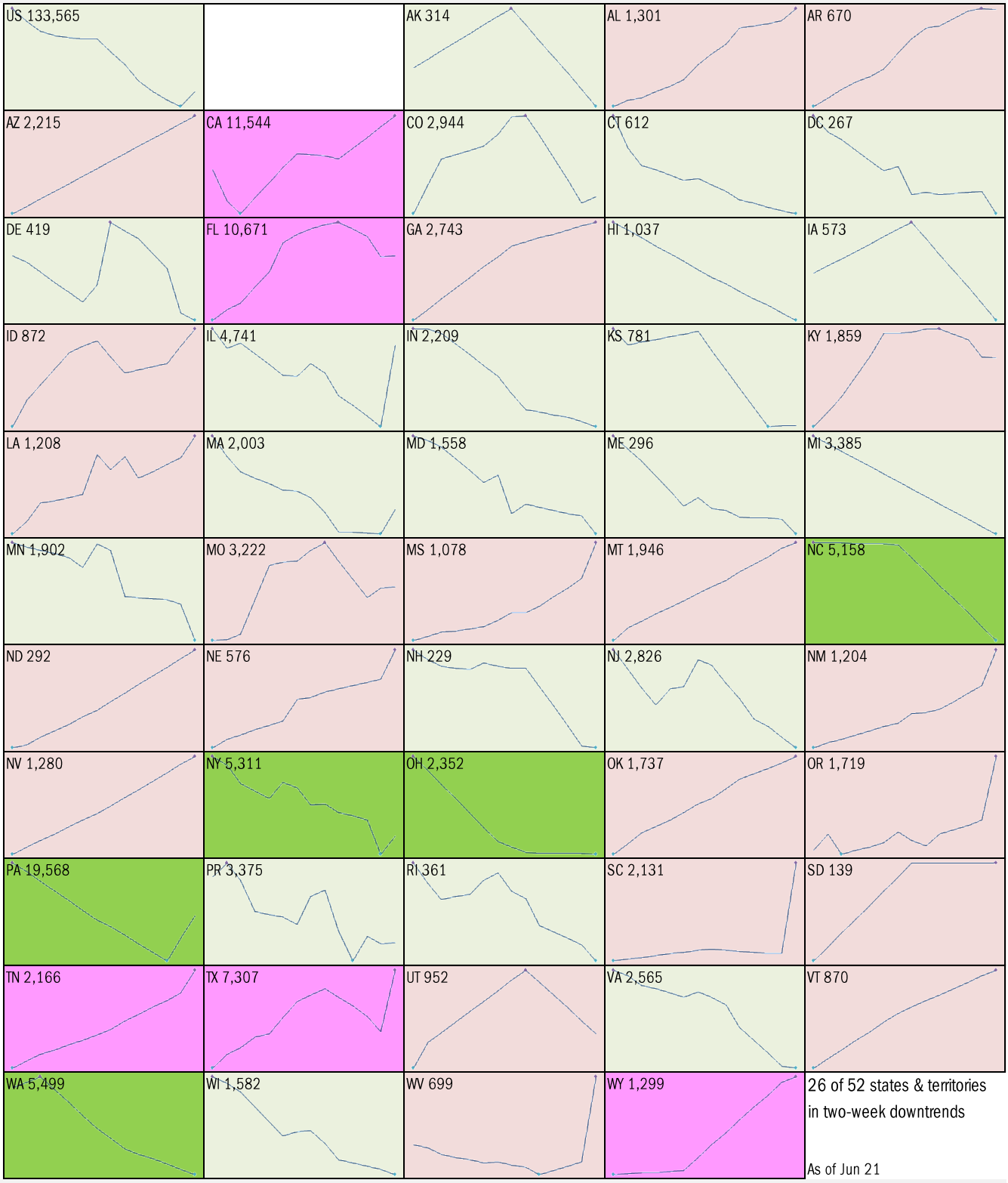


Source: Johns Hopkins, TrendMacro calculations

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**

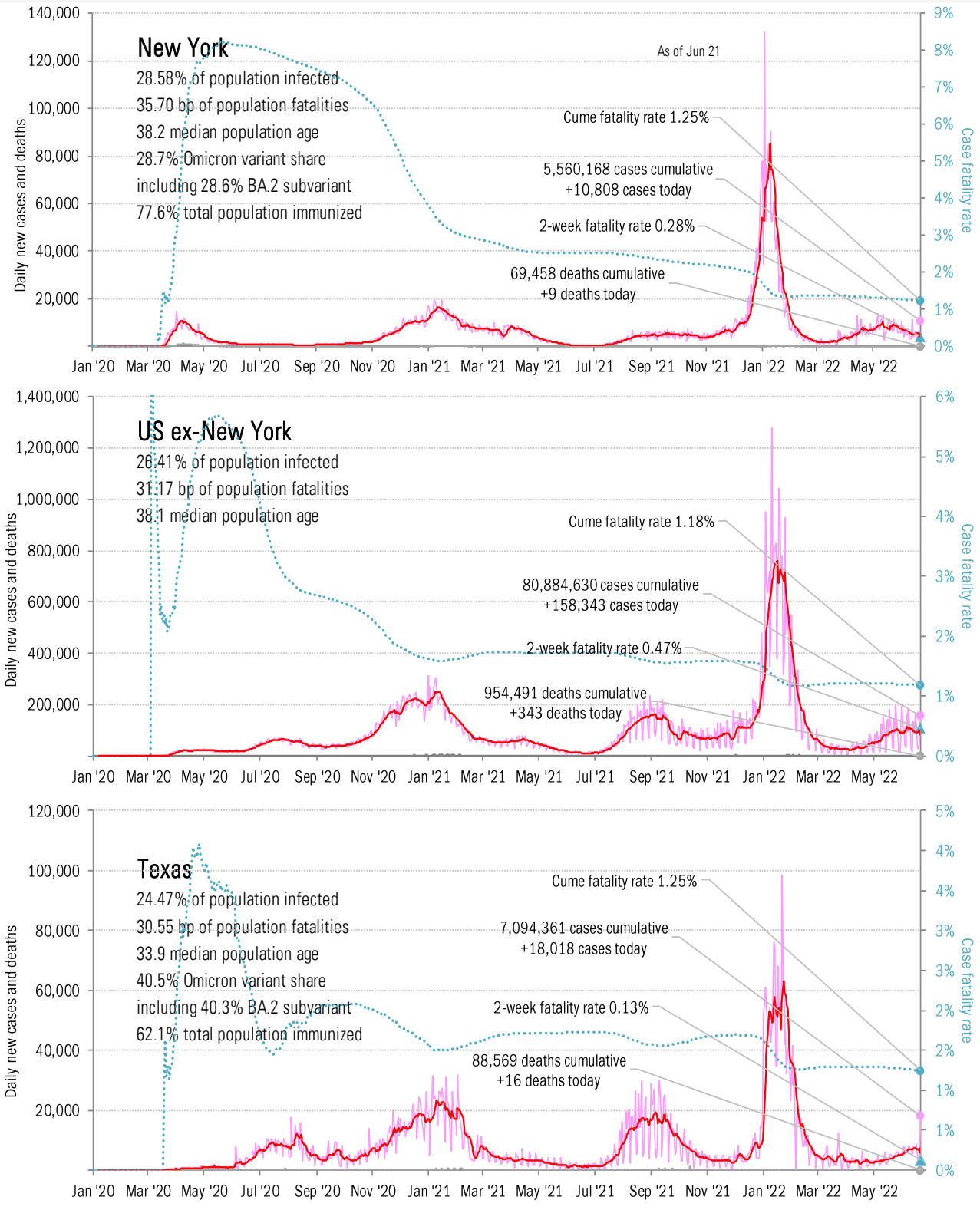
14-day moving average, last 14 days *Most recent value displayed* • High • Low

Downward trajectory Five best Upward trajectory Five worst

Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

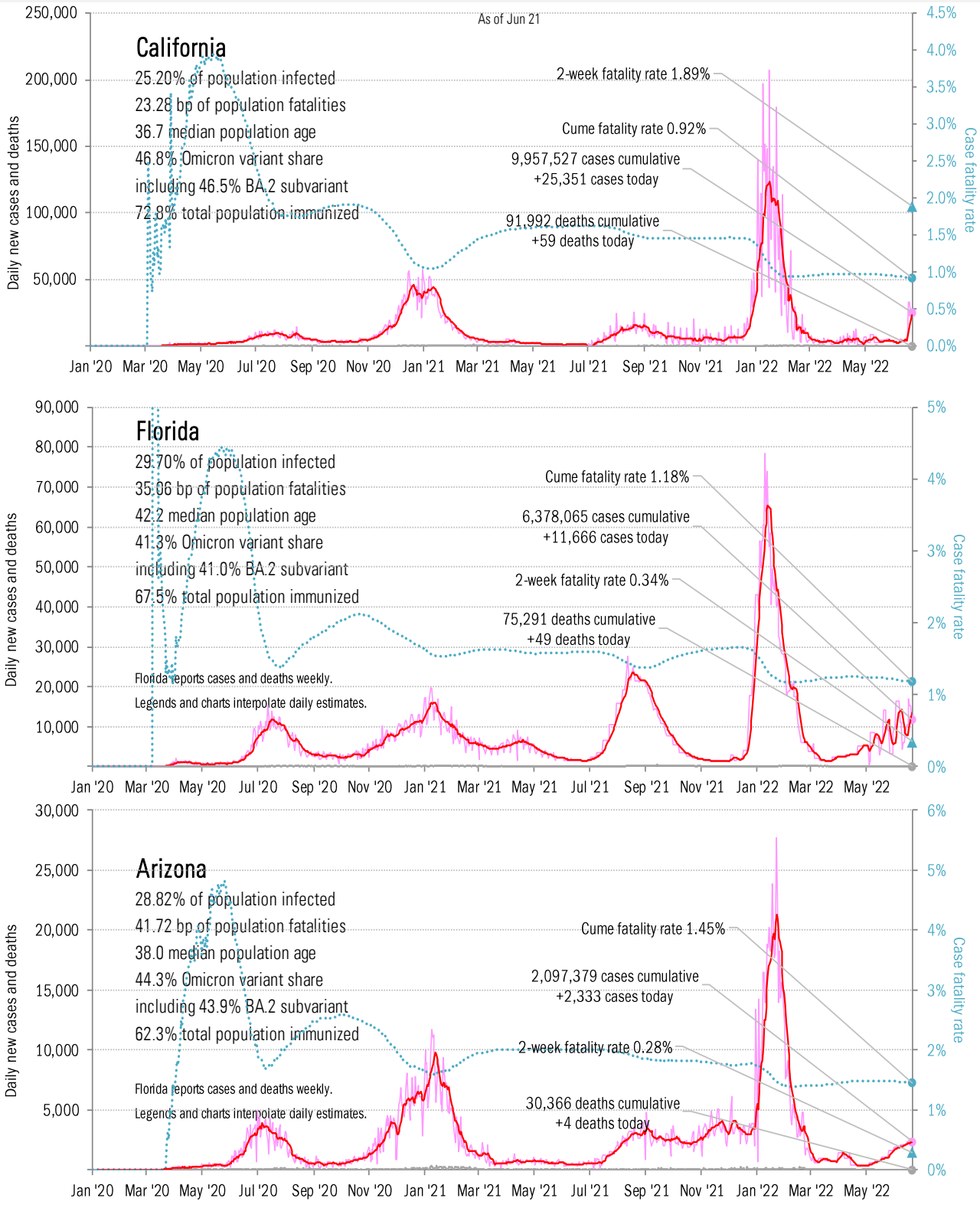
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

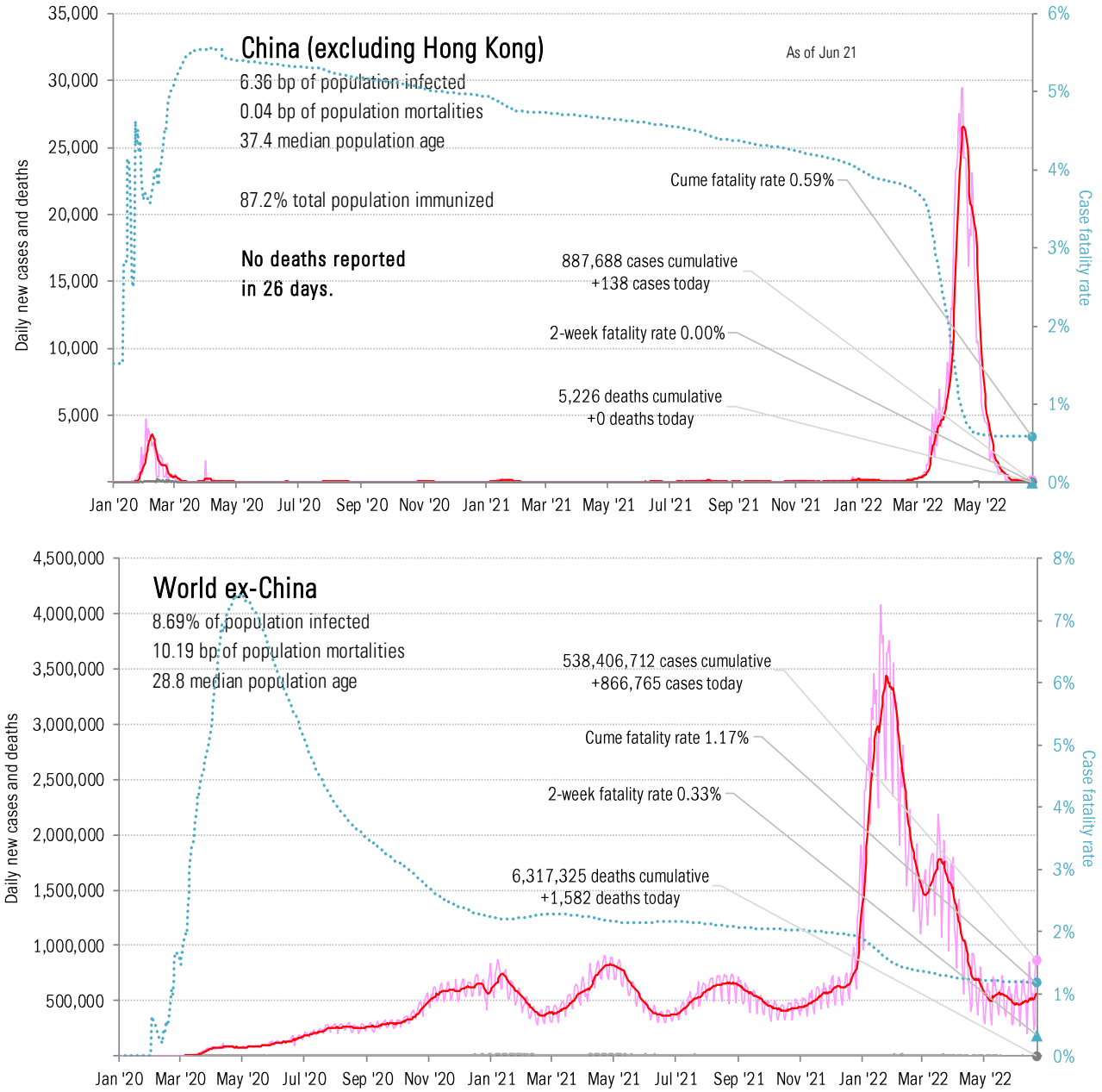
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

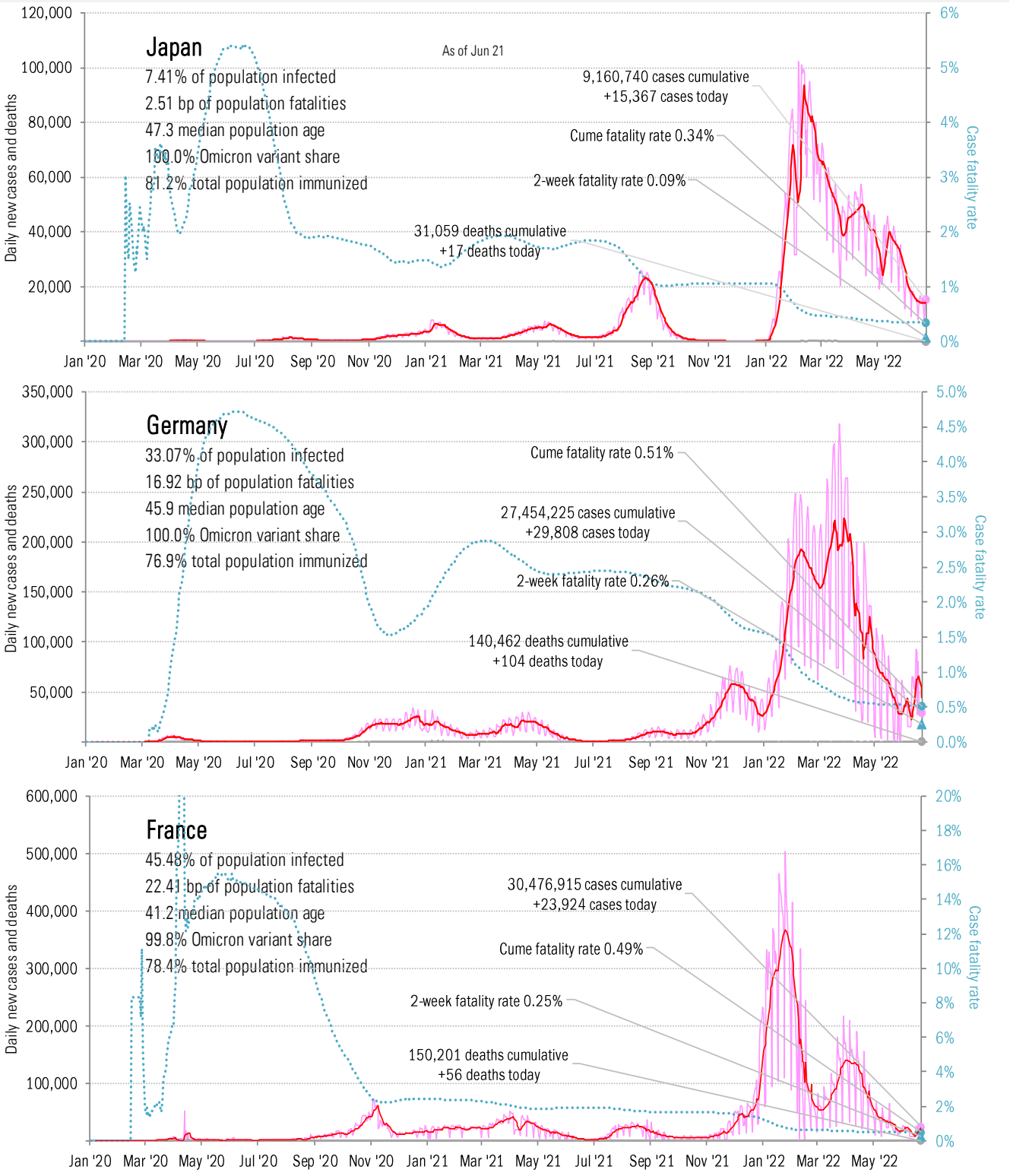
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

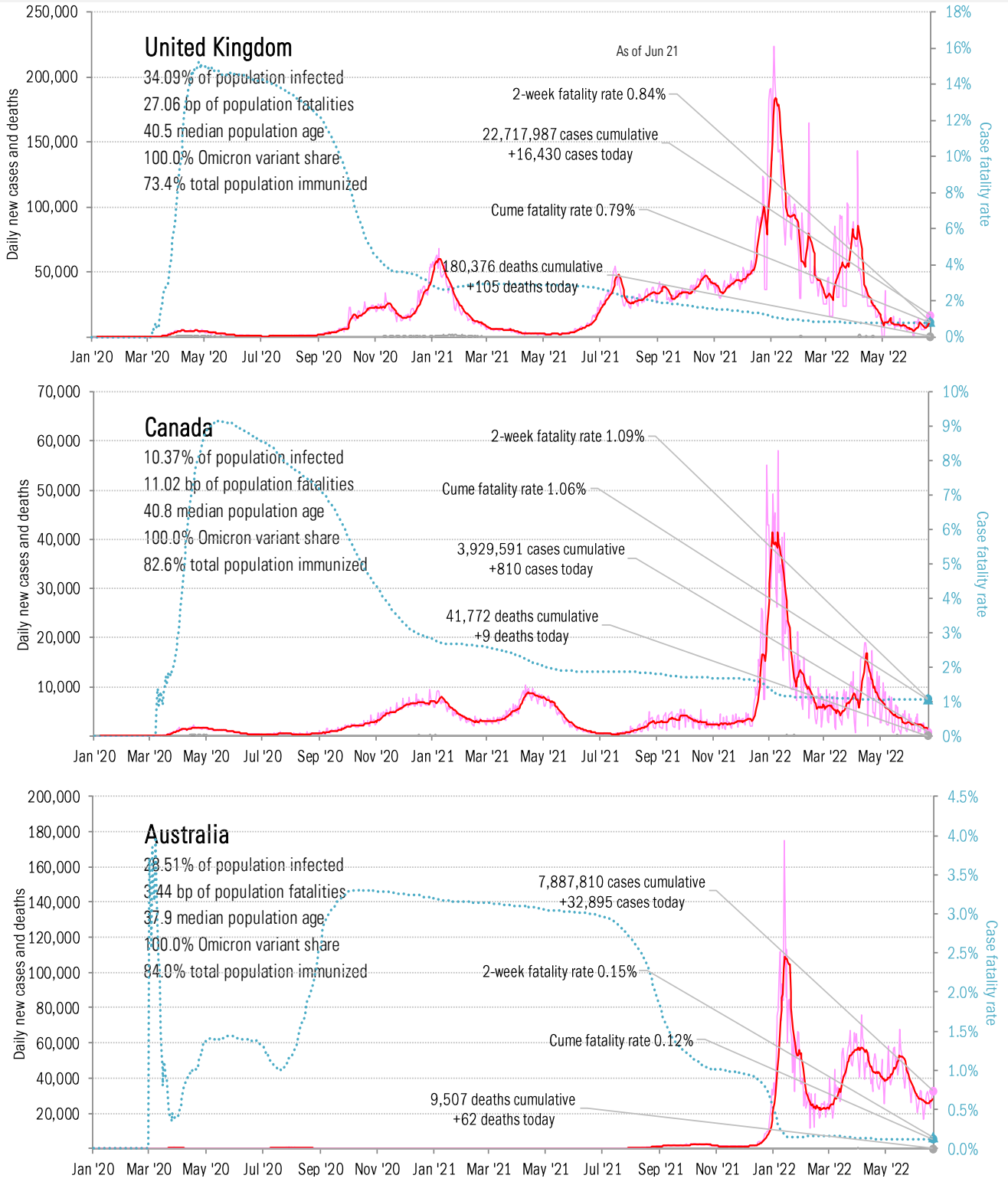
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

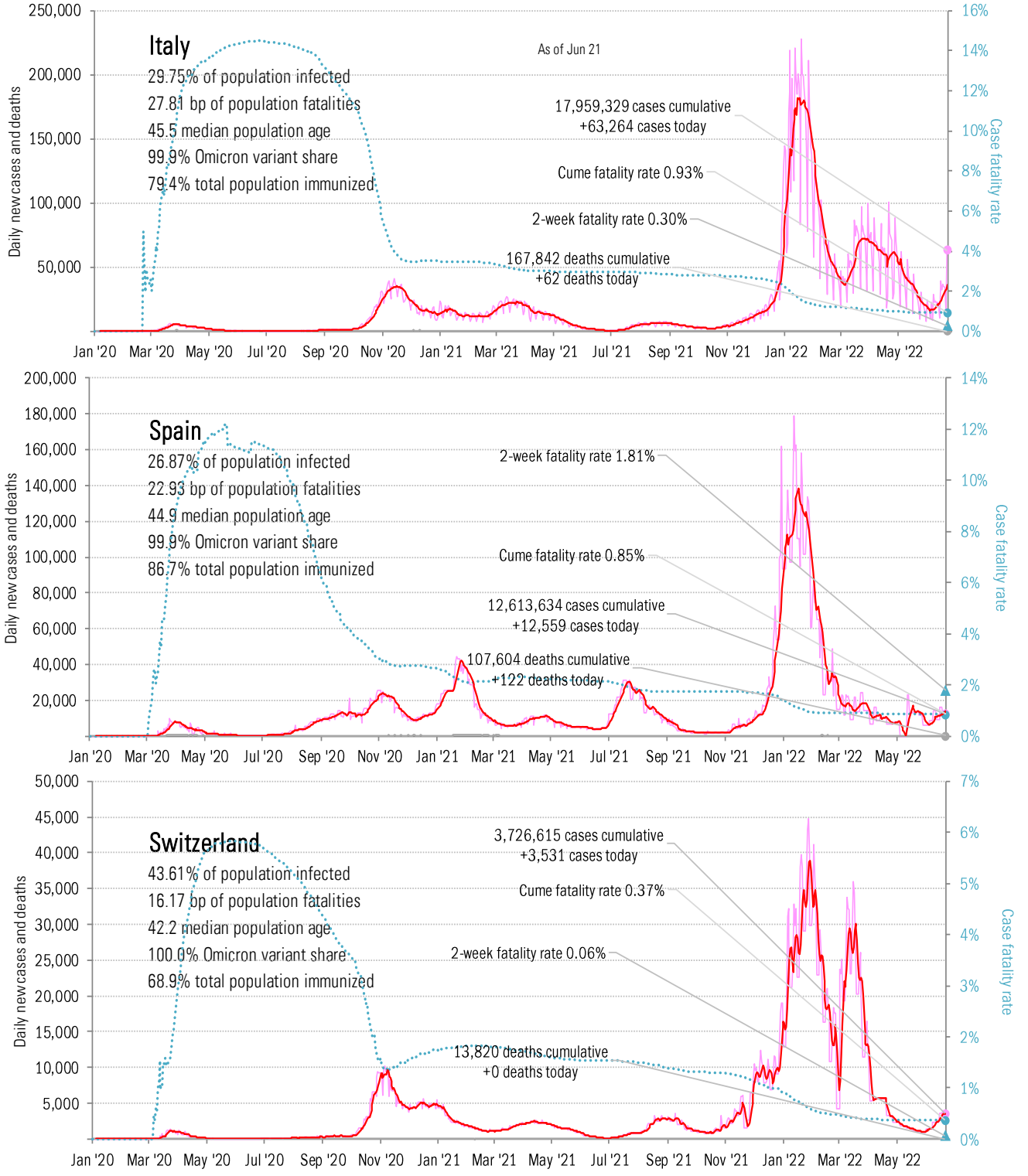
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

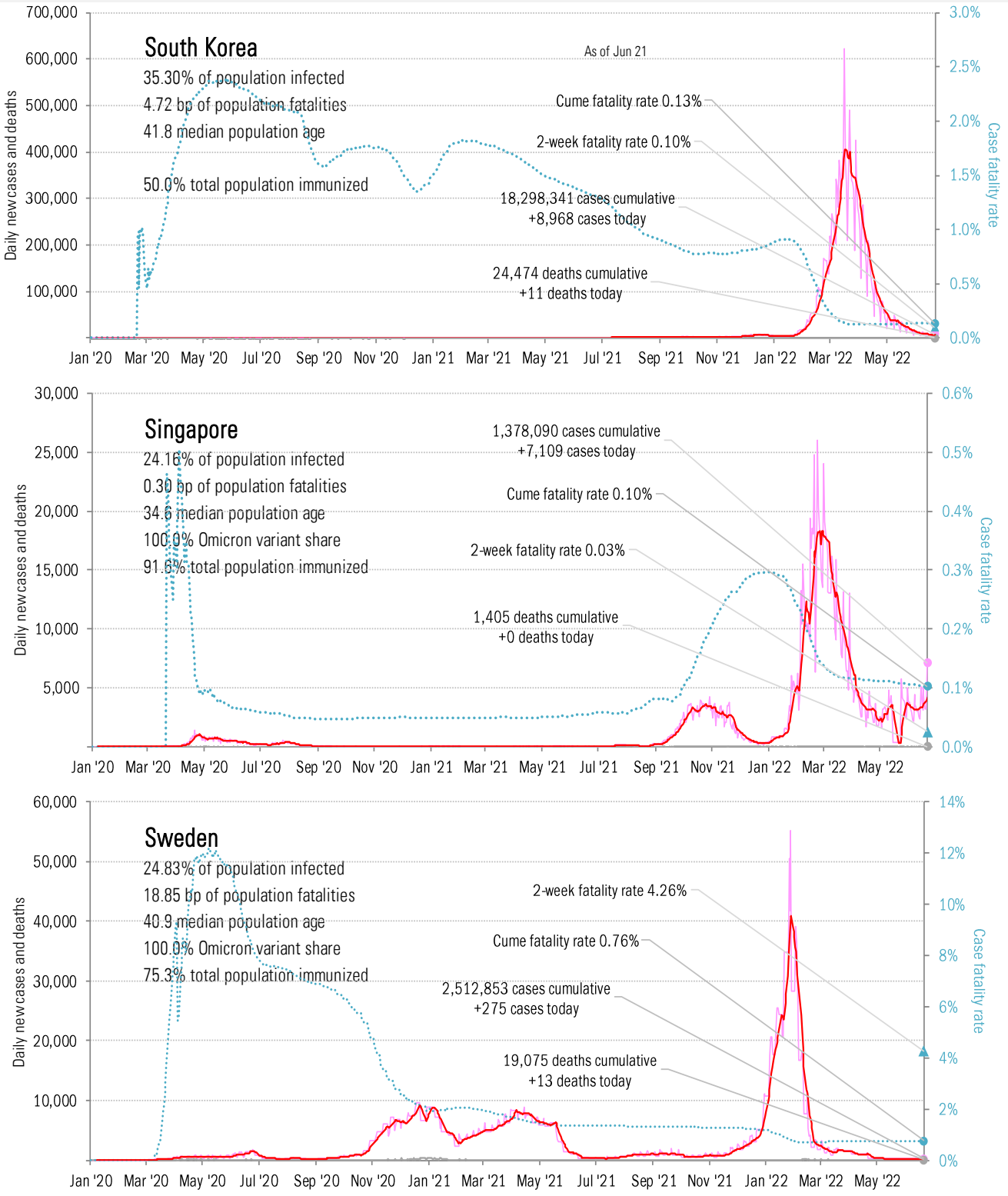
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

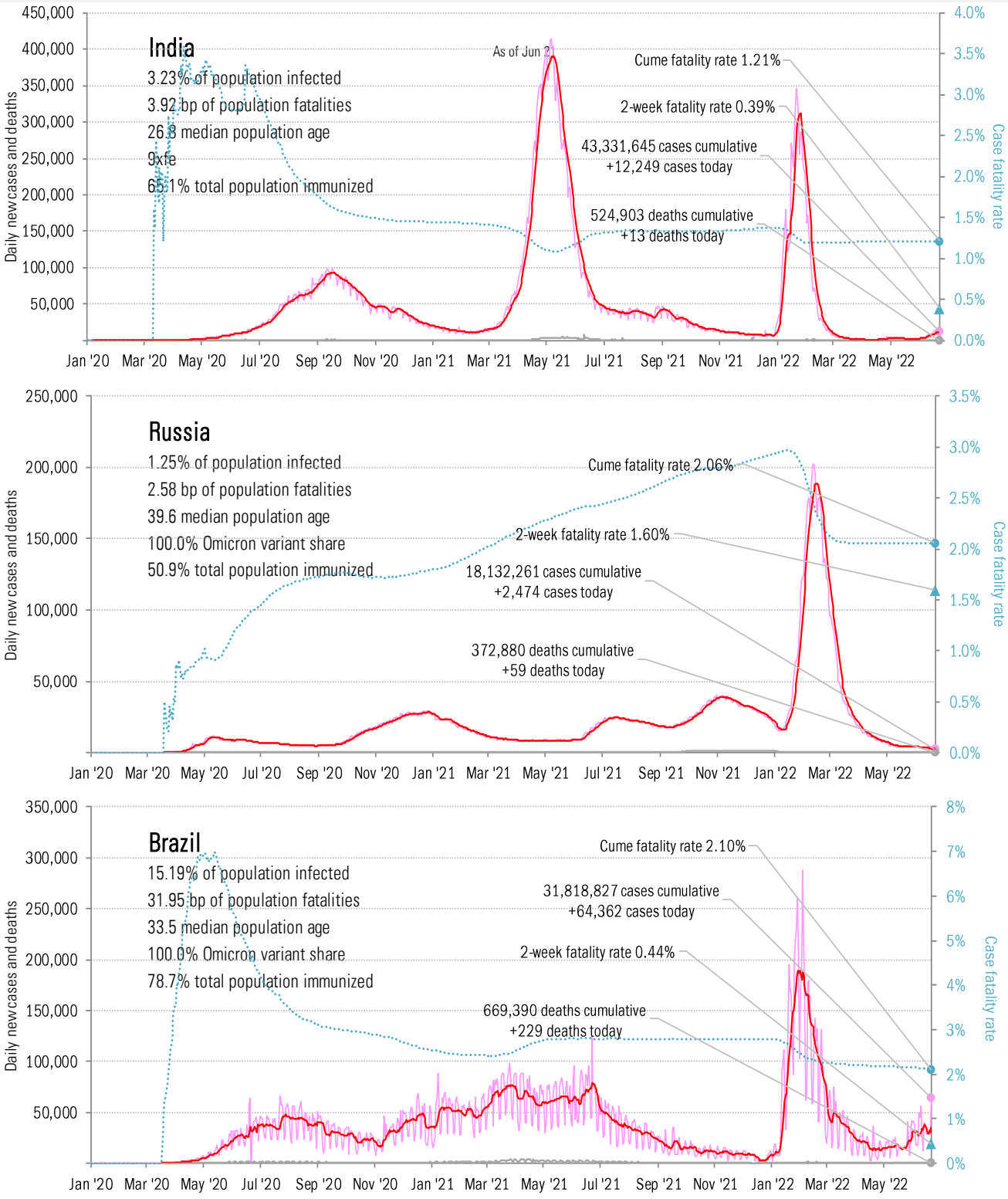
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

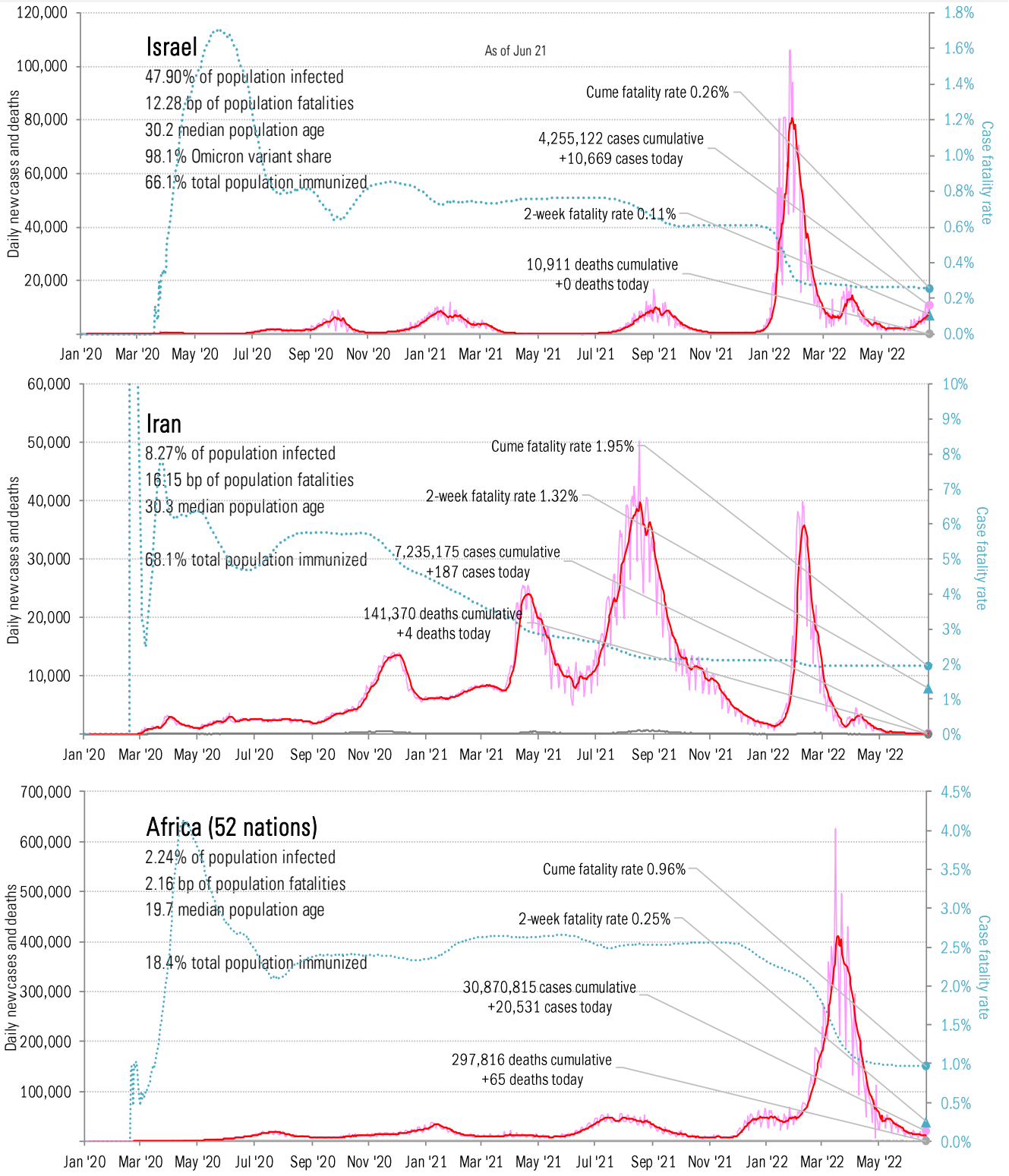
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

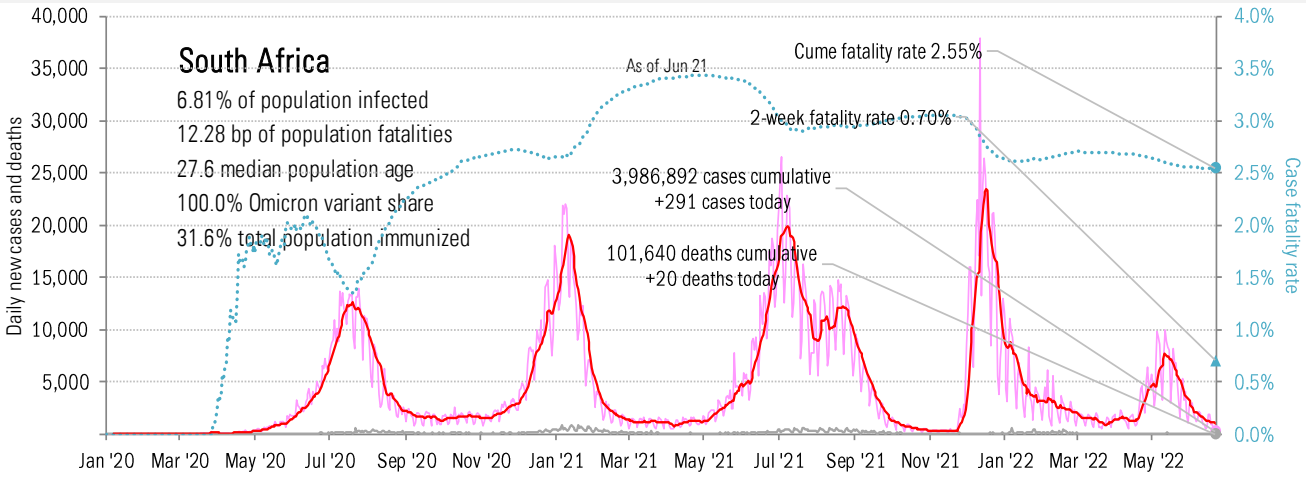
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations