Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

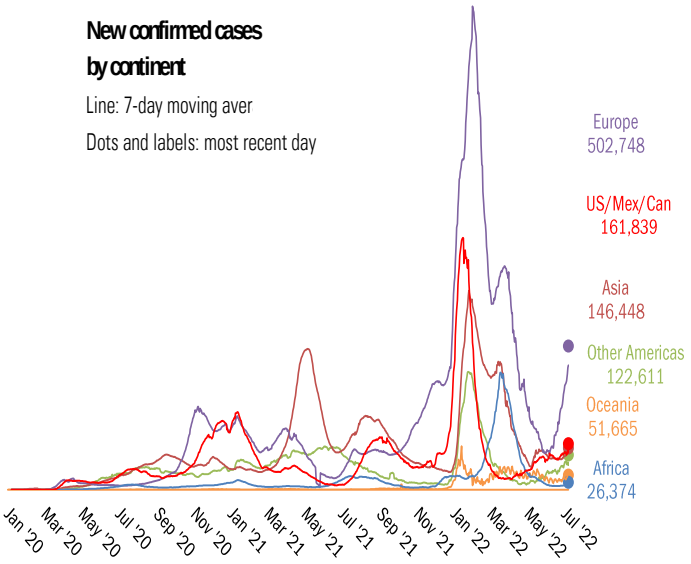
Friday, July 8, 2022

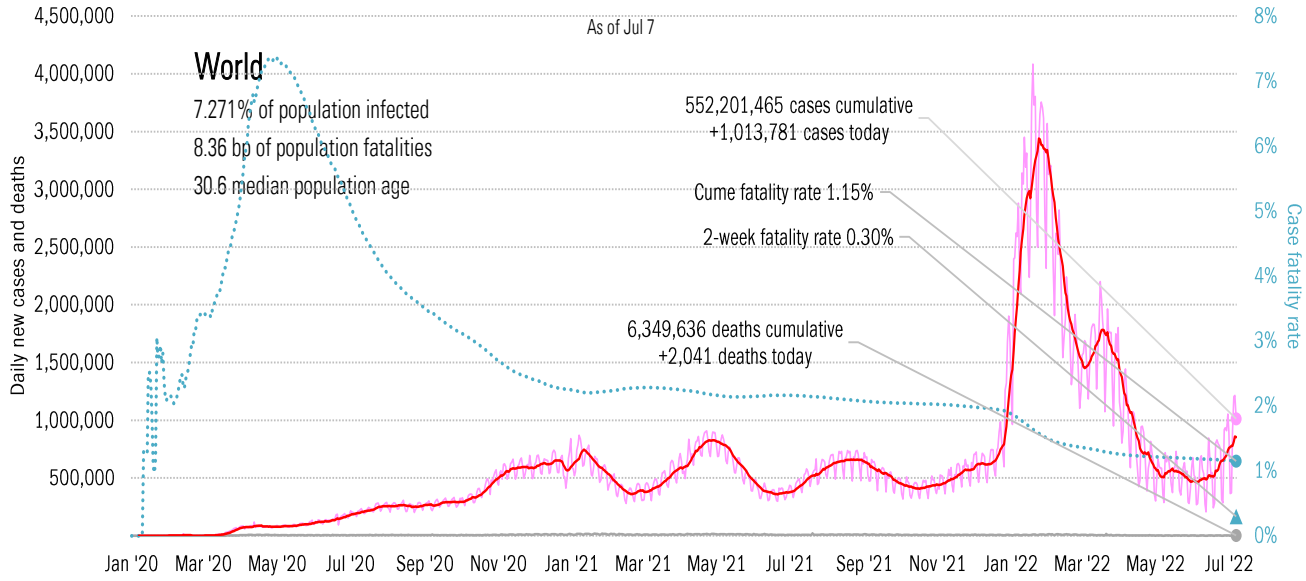
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
France	161,265	United States	476
United States	120,777	Brazil	283
Germany	117,732	Colombia	132
Italy	108,386	Germany	131
Brazil	72,050	Taiwan*	105
Japan	47,943	Italy	94
Australia	41,743	France	89
Mexico	32,295	Canada	80
Taiwan*	31,433	Chile	68
Belgium	29,584	Finland	66
	763,208		1,524
World	1,013,781	World	2,041
Top ten	75%	Top ten	75%





Source: Johns Hopkins, TrendMacro calculations

For more information contact us:
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The US scorecard

Cases: 7-day average and daily Deaths: Daily

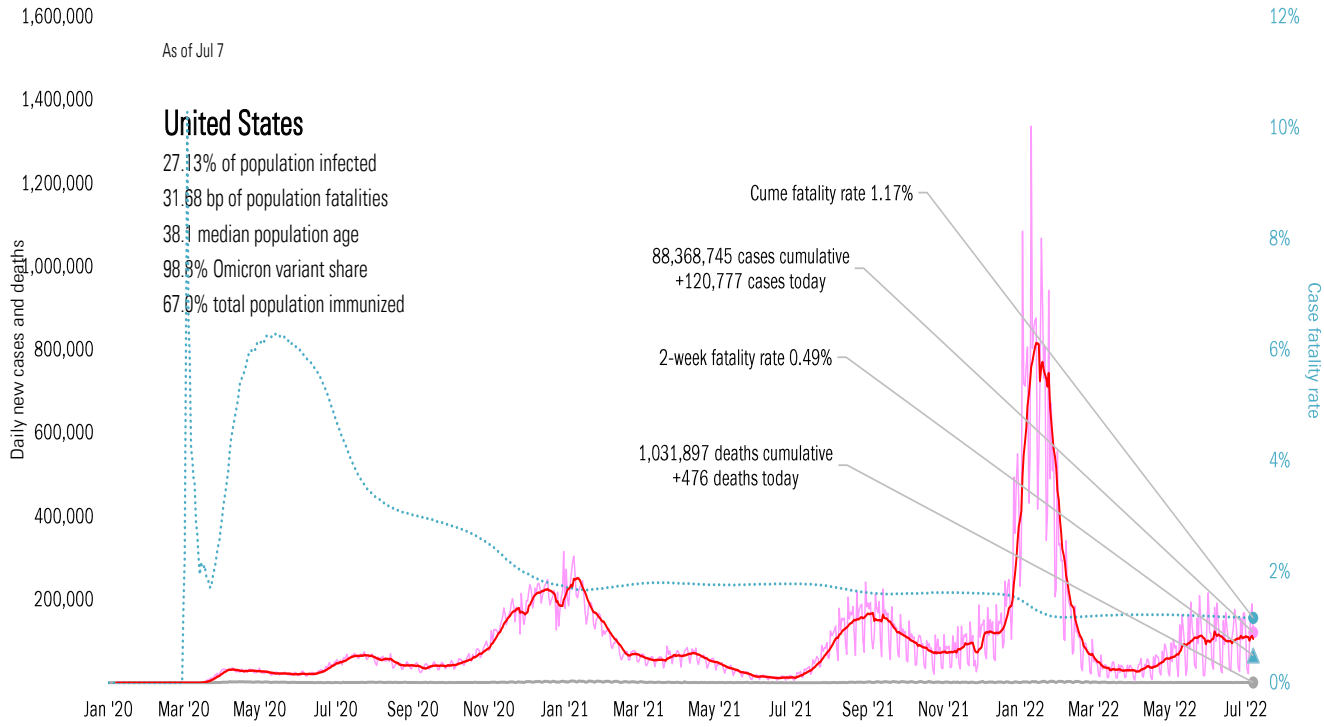
The ten worst US states

New cases		New deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
CH	18,838	OK	718	CA	762	CA	10,234,613	CA	92,530	TX	507,473	RI	92%	NM	87%
TX	12,183	CH	68	GA	221	TX	7,262,421	TX	88,806	CA	454,393	WA	88%	RI	84%
FL	9,334	FL	46	FL	716	FL	6,545,520	FL	76,143	FL	447,738	MA	87%	NH	81%
MN	8,647	CO	42	NY	341	NY	5,646,017	NY	69,785	NY	272,797	GA	83%	WA	81%
UT	6,872	MN	34	OK	82	IL	3,457,545	PA	45,821	GA	210,973	MN	83%	DE	81%
CA	5,822	NY	32	TX	542	PA	3,018,129	CH	38,920	CH	200,802	MD	83%	MA	81%
IL	5,796	VA	25	AR	66	NC	2,892,680	GA	38,685	PA	187,900	PA	82%	TX	80%
CO	5,504	TX	21	TN	131	CH	2,867,291	IL	38,641	IL	169,832	DE	82%	AL	80%
LA	5,436	CA	20	MI	110	GA	2,667,557	MI	36,982	MI	150,595	NH	82%	NC	79%
NJ	3,925	MA	18	MN	80	MI	2,619,533	NJ	34,091	KY	136,577	MO	80%	NE	79%
	82,357		1,024		3,051		47,211,306		560,404		2,739,080				
All states	120,777		476		5,890	All states	88,368,745		1,031,897		4,975,043	All states	70%		67%
Top ten	68%		215%		52%	Top ten	53%		55%		55%	Median	74%		71%

Some states not reporting

Five most improved US states

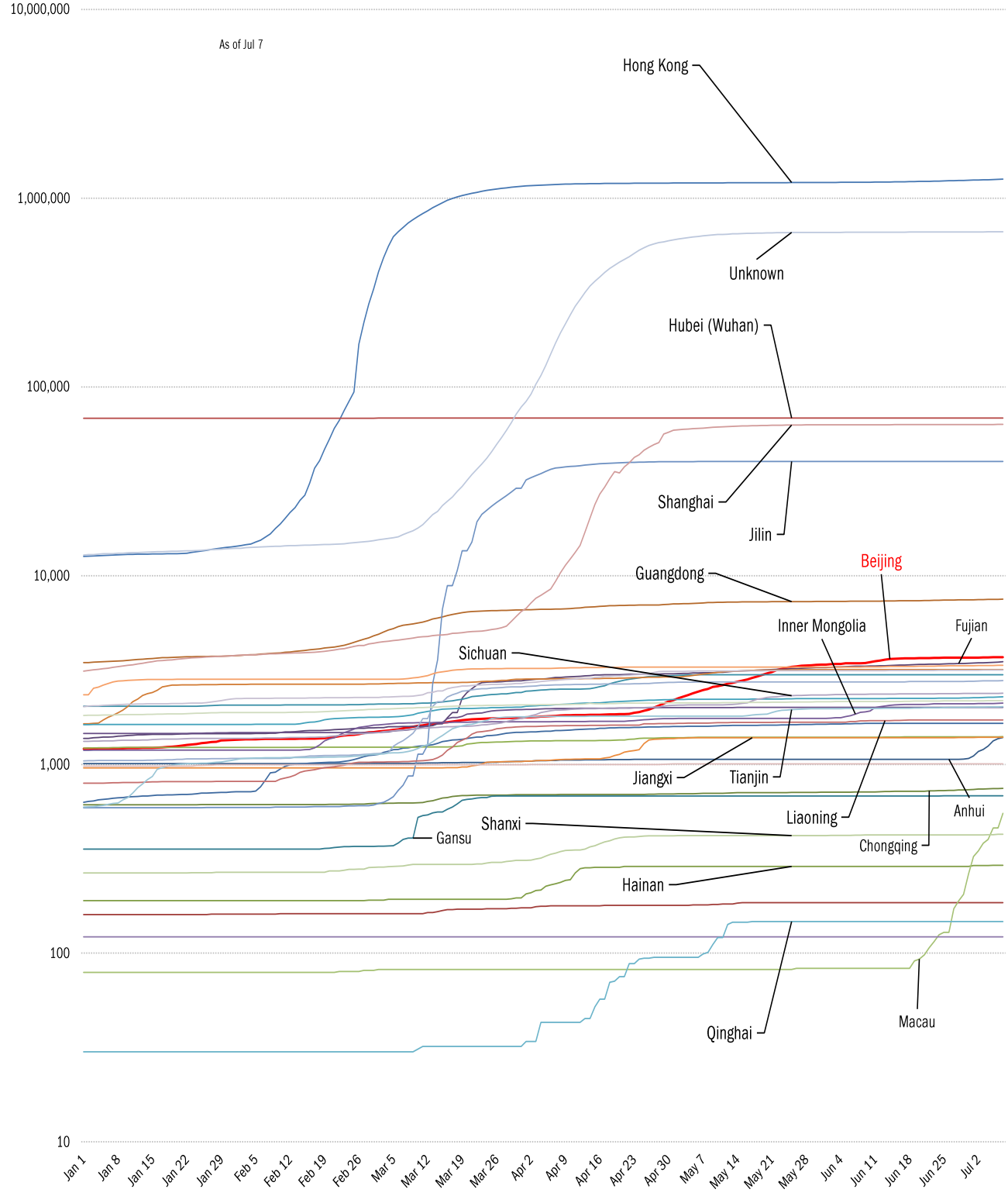
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NC	-25,462	GA	-106	TX	-73	WY	+461 bp
GA	-19,989	TN	-89	IN	-55	MO	+444 bp
SC	-13,733	PA	-55	LA	-34	PA	+433 bp
WA	-11,465	NC	-48	SD	-24	AZ	+430 bp
PA	-10,613	NV	-35	NC	-21	ID	+426 bp



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

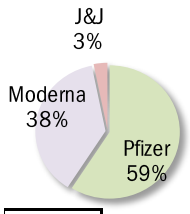
Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative				Today
Doses	612,676,095				+0.208 million
of which boosters	108,590,845				+0.050 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	268,330,668	80%	228,738,120	68%	+0.028 million
Age 12 to 17	17,958,024	71%	15,363,062	61%	+0.003 million
Age 18 to 64	179,904,326	88%	152,678,815	75%	+0.015 million
Age 65 and over	59,439,014	100%	51,975,143	95%	+0.005 million

Immunity	Full	Partial
US	67.0%	78.4%
UK	73.6%	78.6%
France	78.5%	80.8%
Spain	86.8%	88.3%
Germany	75.5%	77.1%
Italy	79.4%	84.2%
Australia	84.1%	86.7%
Israel	66.2%	72.3%
Canada	82.6%	86.1%
Japan	81.2%	82.3%
Africa	19.8%	25.2%
India	65.9%	73.0%
Brazil	79.1%	86.4%
China	87.3%	89.6%

Global data differs due to sources, timing



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

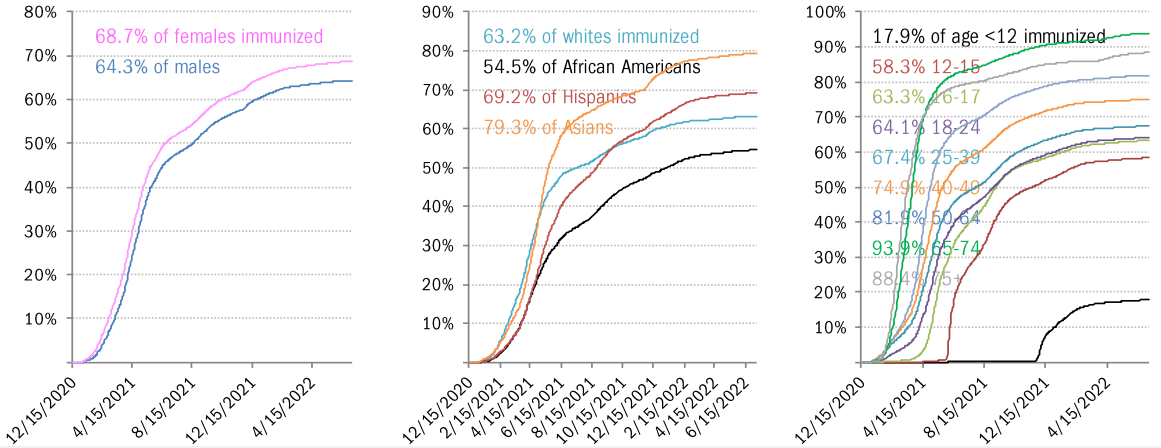
"Immunity" = two doses

Best
Middle
Worst

As of Jul 7

					WI					ME
					72.5%					92.2%
					66.2%					80.6%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
81.8%	62.4%	65.9%	66.3%	75.9%	76.4%	67.5%		91.2%	94.8%	89.7%
73.0%	55.9%	57.4%	56.1%	69.8%	69.1%	60.7%		77.9%	82.0%	71.7%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
78.7%	76.2%	58.7%	77.9%	68.5%	62.7%	63.8%	86.3%	91.5%	95.0%	
70.3%	61.5%	51.4%	62.7%	62.5%	56.5%	58.8%	69.7%	76.5%	80.1%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
83.1%	72.8%	80.4%	71.0%	66.9%	66.8%	65.6%	86.9%	87.8%	95.0%	95.0%
72.9%	64.8%	70.9%	64.1%	56.7%	57.9%	58.2%	73.9%	76.5%	80.2%	83.8%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	74.4%	89.2%	73.3%	67.5%	62.8%	86.0%	68.5%	95.0%	84.3%	
	62.5%	72.1%	62.6%	55.1%	55.0%	62.6%	57.7%	76.3%	70.2%	
			OK	LA	MS	AL	GA			
			71.9%	61.6%	60.2%	63.3%	66.2%			
			58.0%	54.0%	52.3%	51.6%	55.5%			
HI			TX					FL		PR
88.6%			74.5%					80.2%		95.0%
79.1%			62.4%					67.7%		83.7%

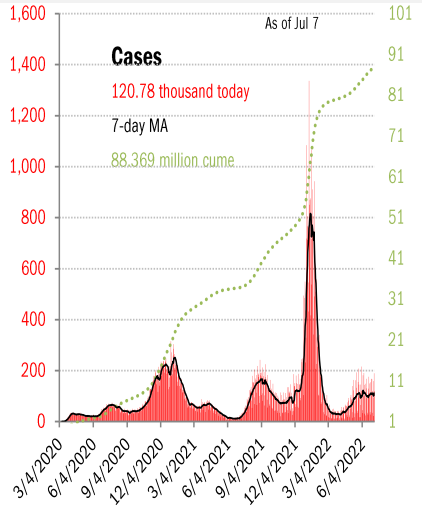
The demographics of US vaccination

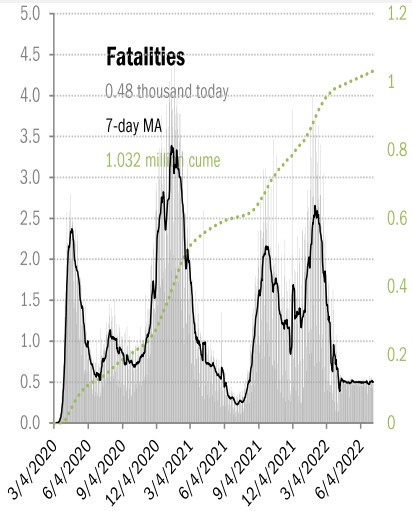


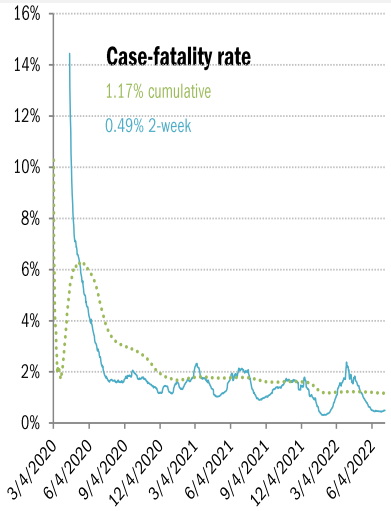
Source: CDC, CDC, Our World in Data, TrendMacro calculations

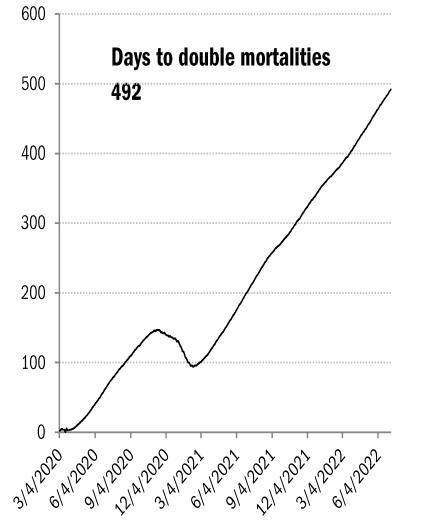
US deep-dive

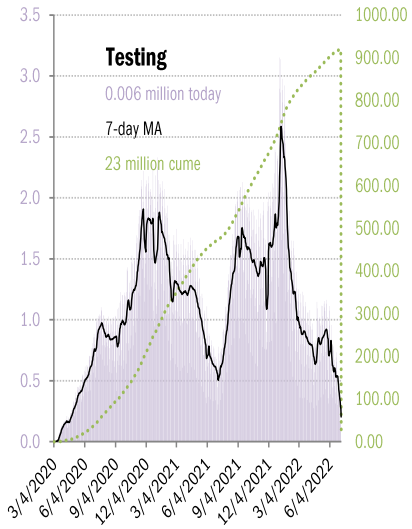
National and state-by-state data do not line up because of different sources

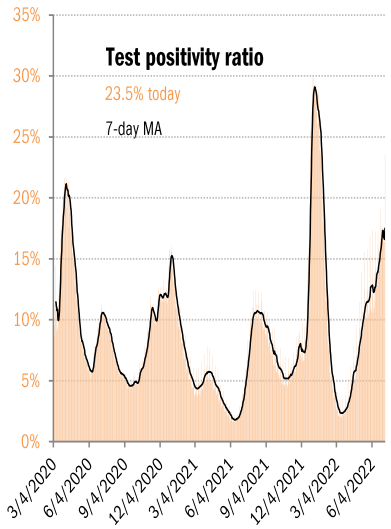


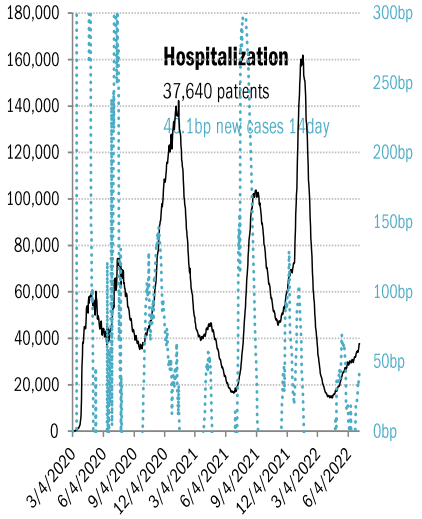


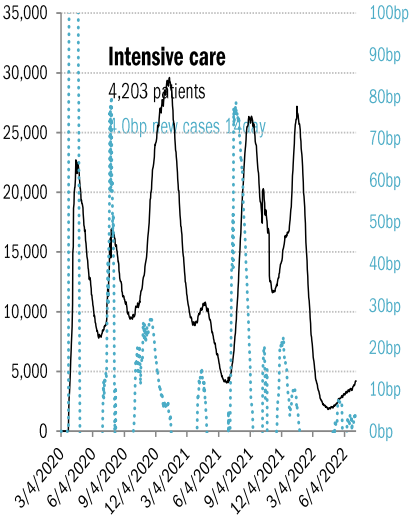


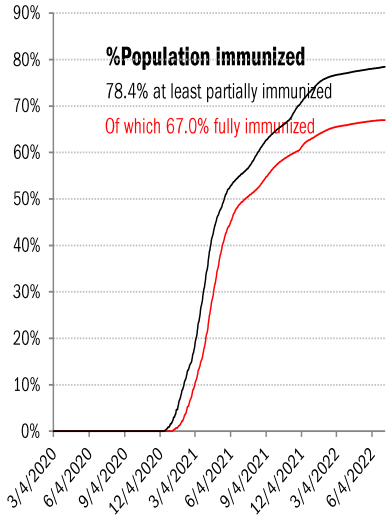












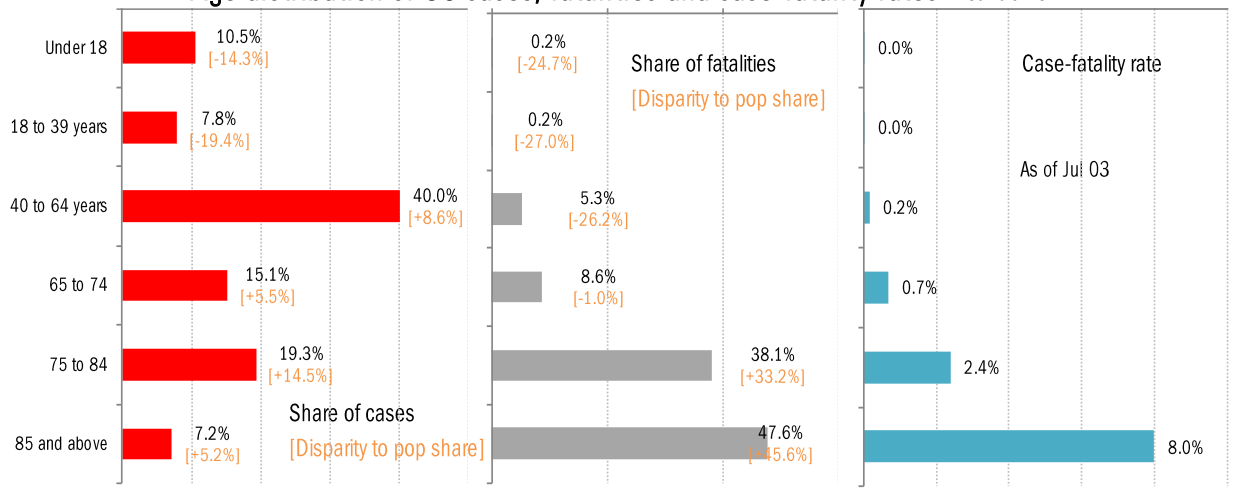
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

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

Updates weekly on Sunday, 1 week lag

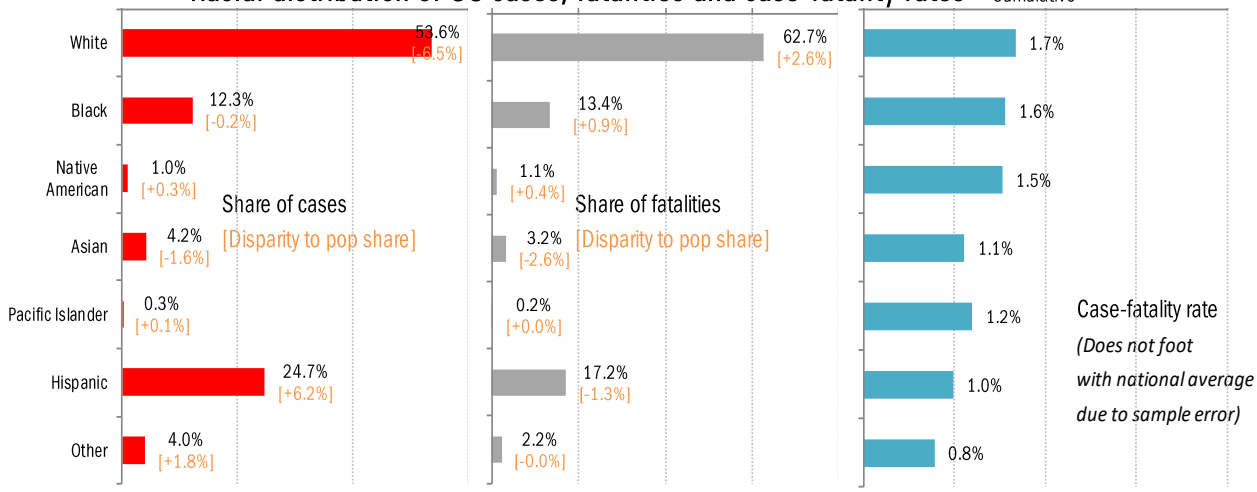
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



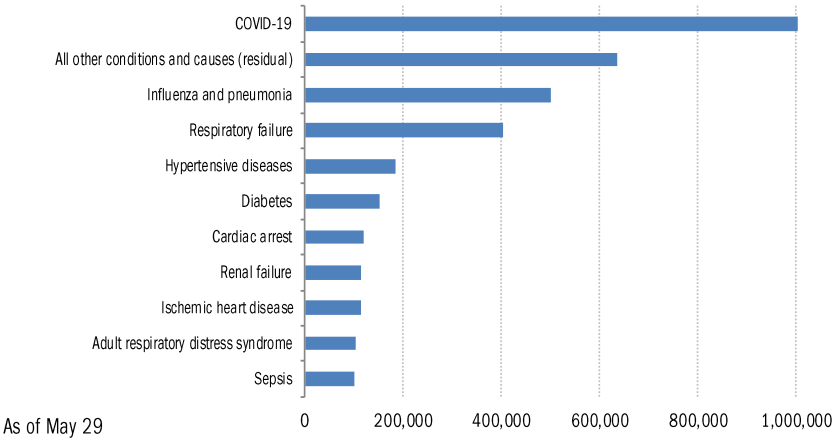
Racial distribution of US cases, fatalities and case-fatality rates

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

Comorbidity data has been paused by the CDC while making "system upgrades."

Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

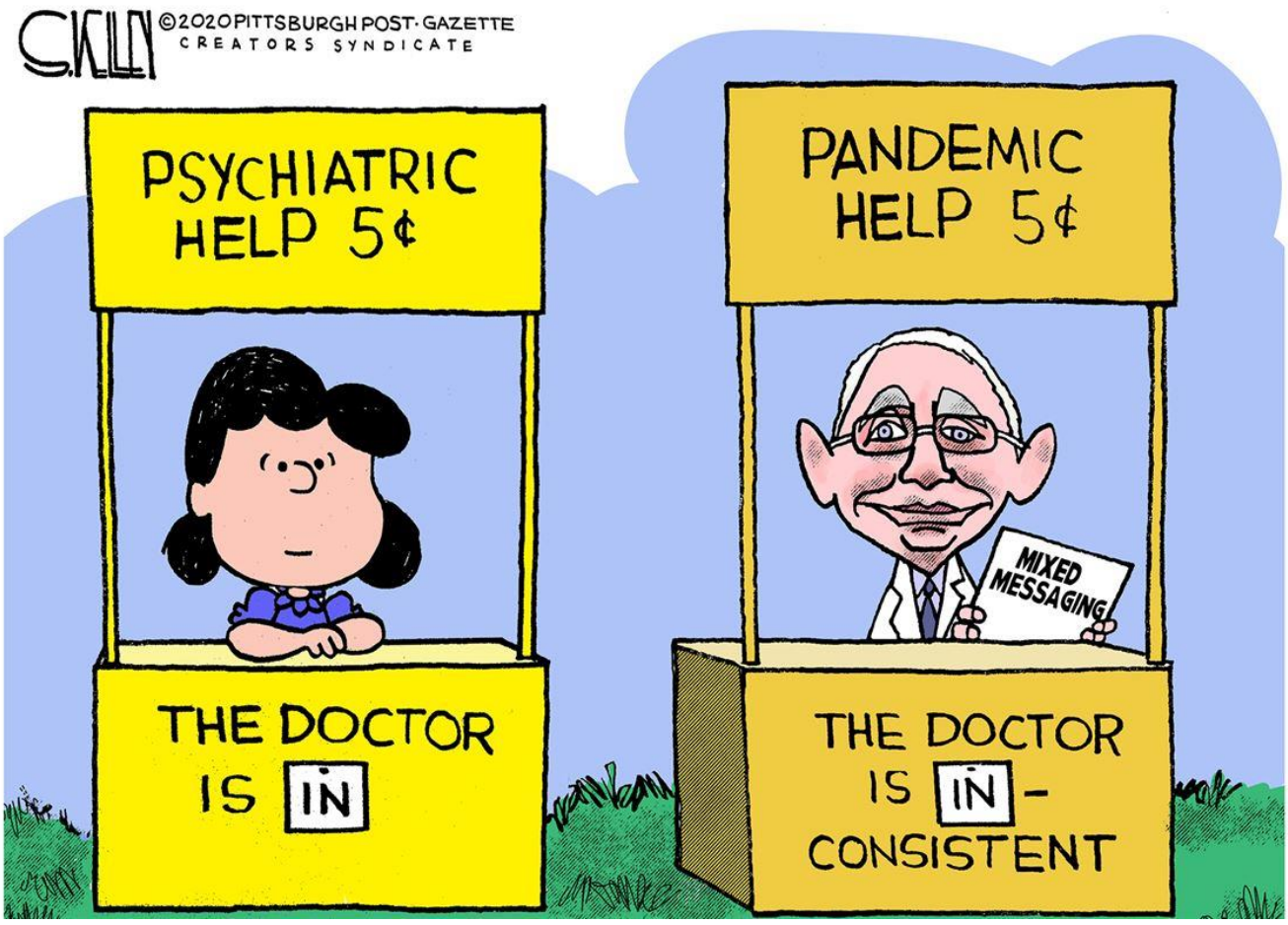
Recommended reading

[Shinzo Abe, Japan's Long-Serving Prime Minister, Dies at 67]
Isabel Reynolds
Bloomberg
April 7, 2022

[Got COVID? Doctors warn powering through it — even from home — can worsen health toll]
Emily Alpert Reyes
Los Angeles Times
July 7, 2022

[Why the Berenson v Twitter settlement may open the door to claims from other banned users]
Alex Berenson
Unreported Truths
July 7, 2022

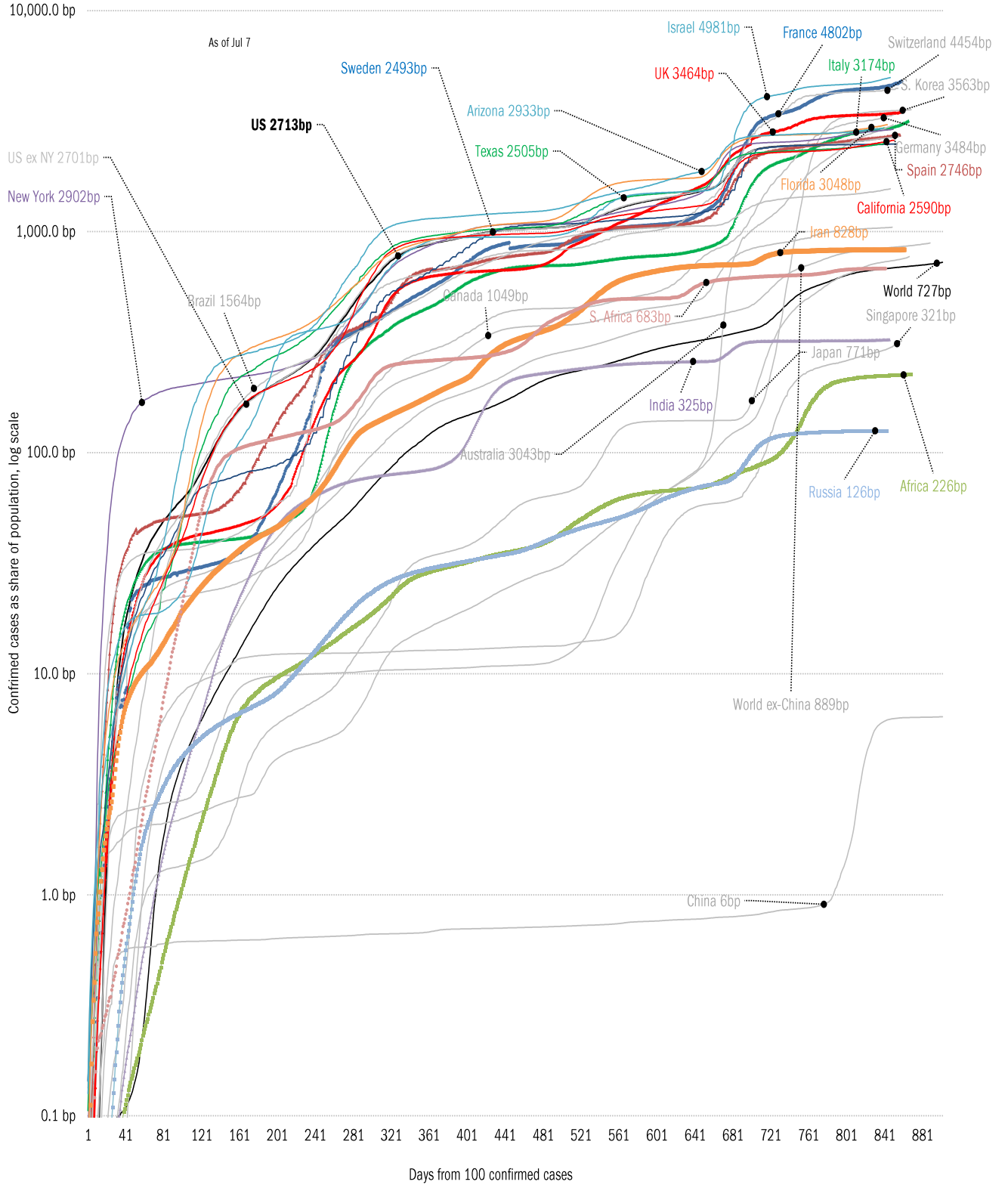
Meme of the day



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

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

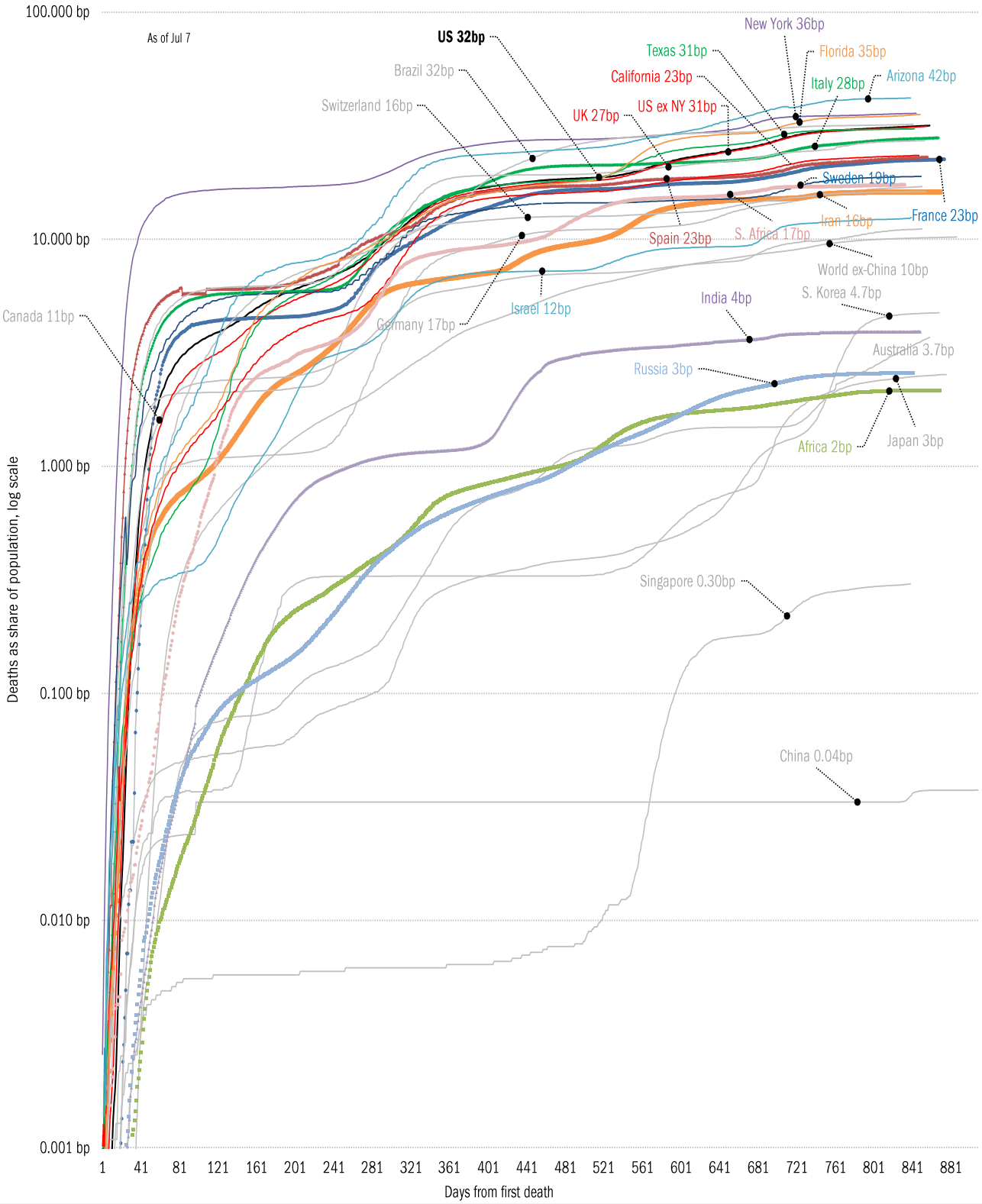
Share of infected population from first day with 100 confirmed cases, log scale



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

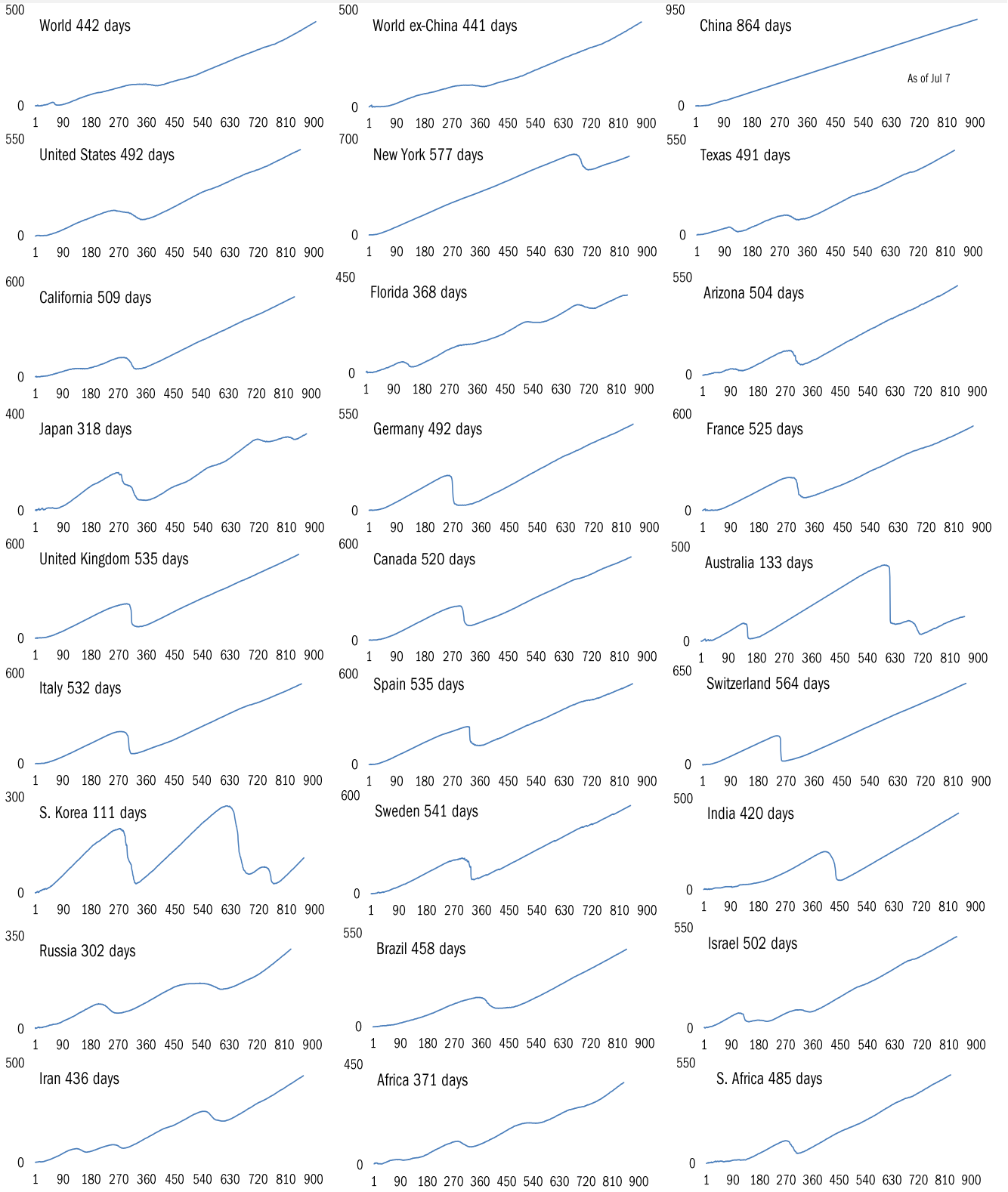


Source: Johns Hopkins, TrendMacro calculations

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

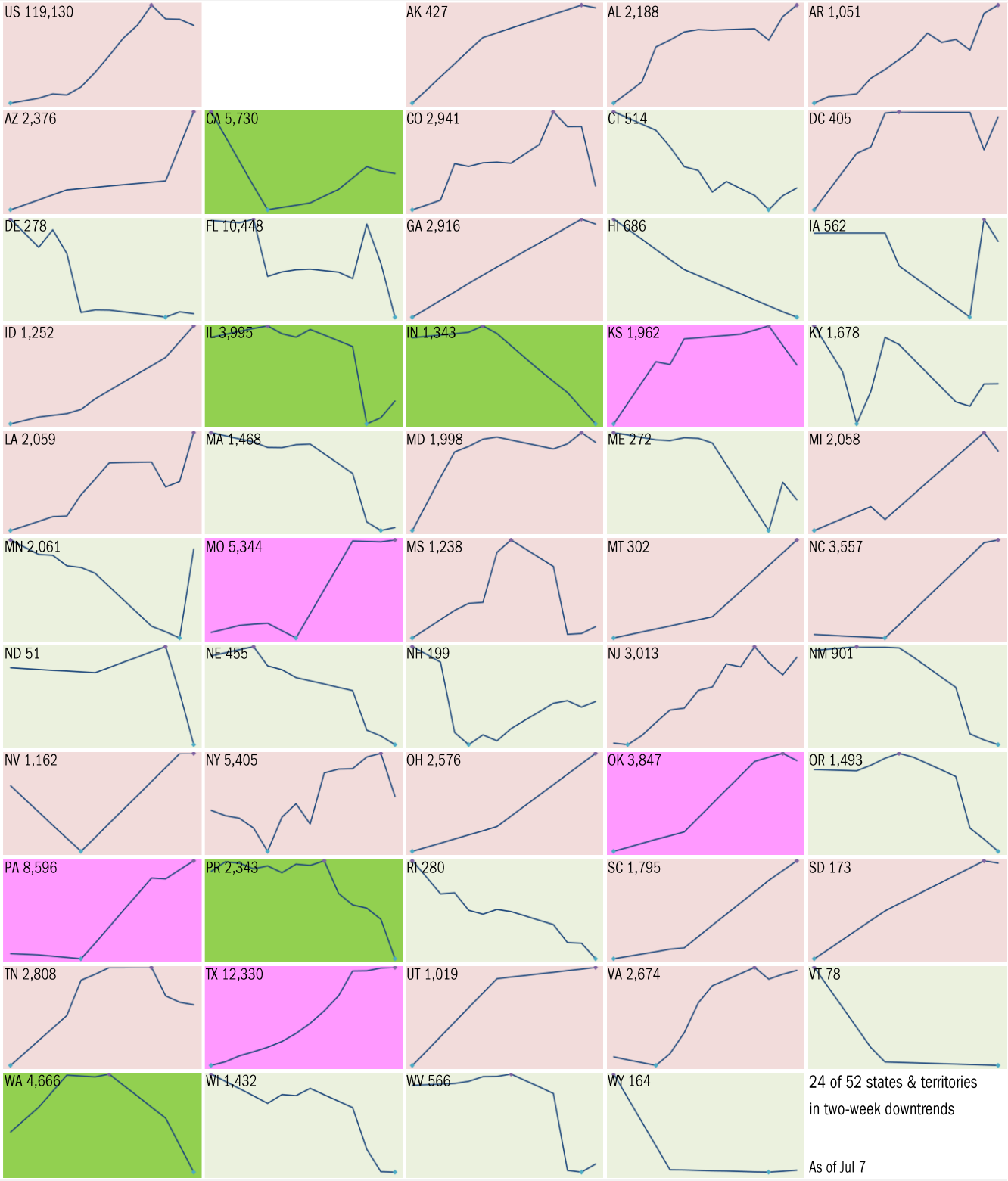


Source: Johns Hopkins, TrendMacro calculations

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

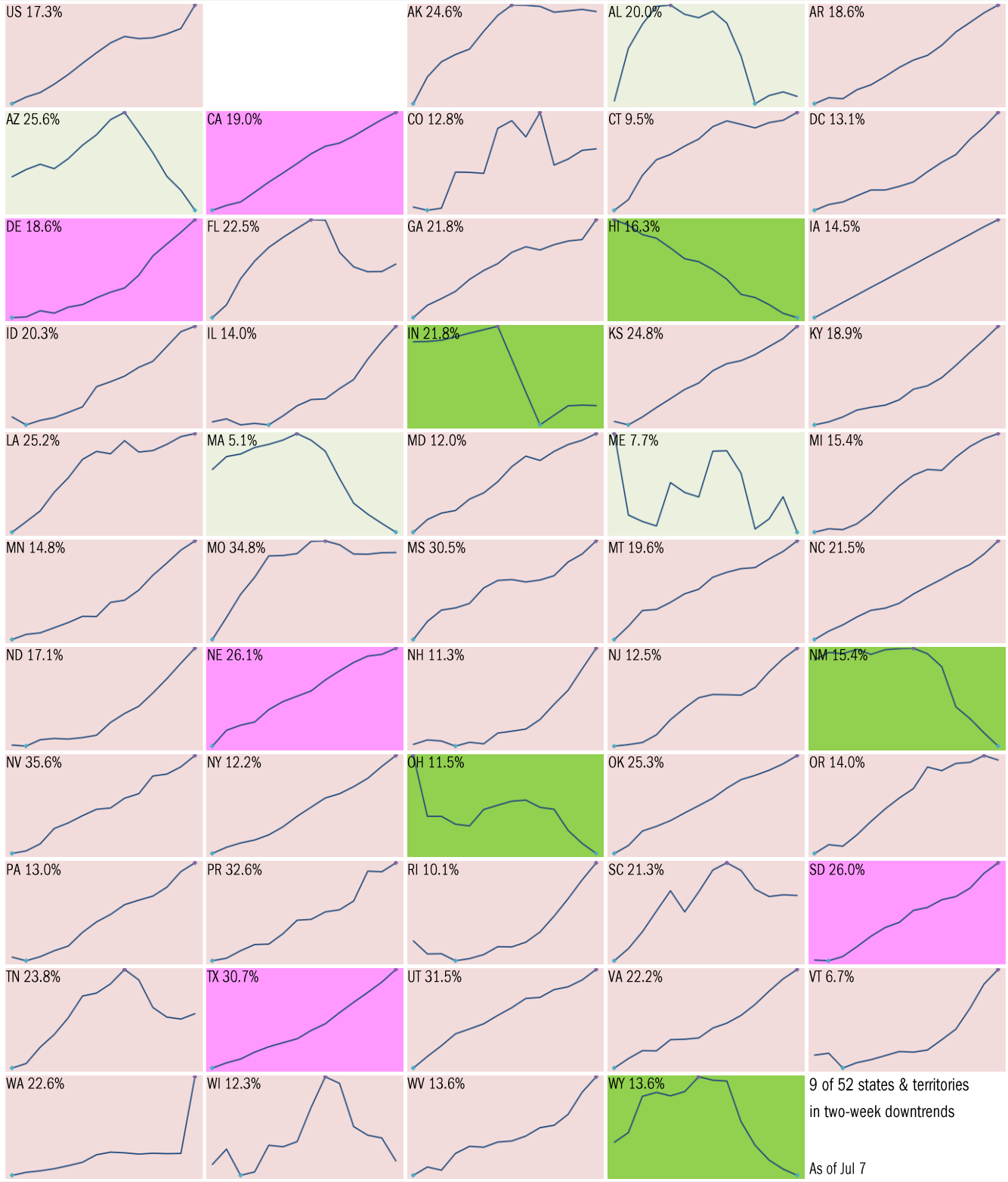


Source: Johns Hopkins, TrendMacro calculations

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

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

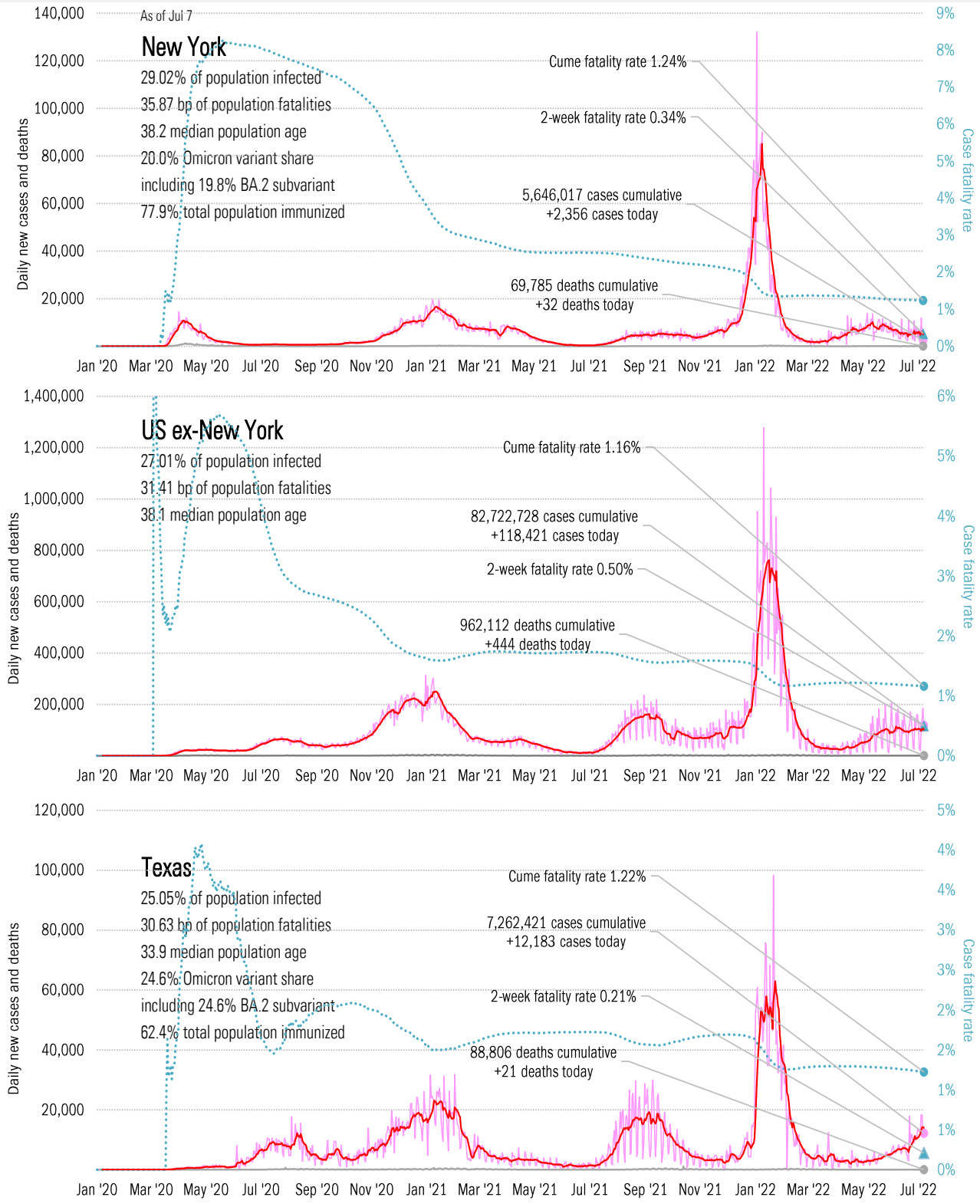
Downward trajectory Five best Upward trajectory Five worst



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

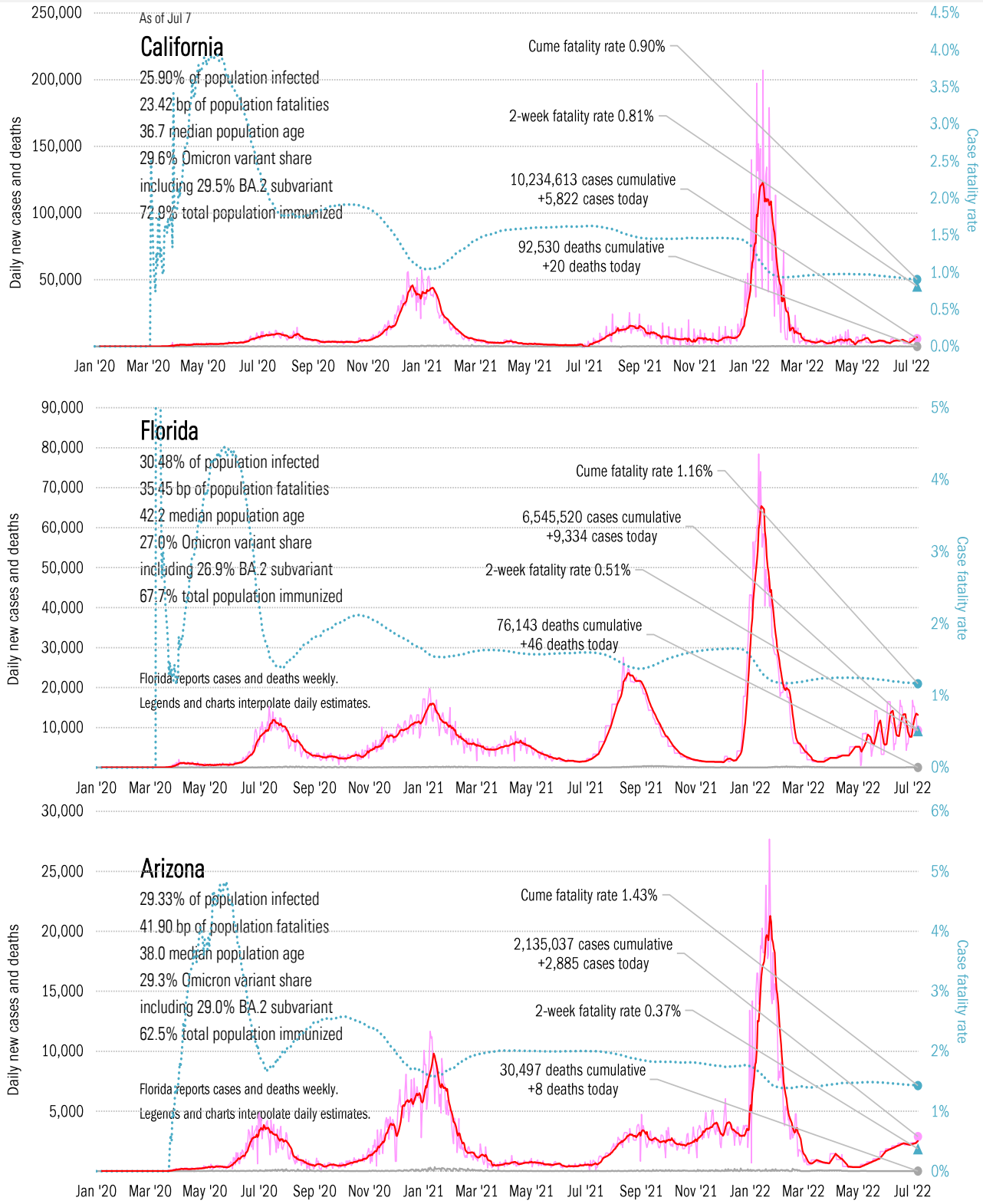
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

The sun-belt hot-spot states

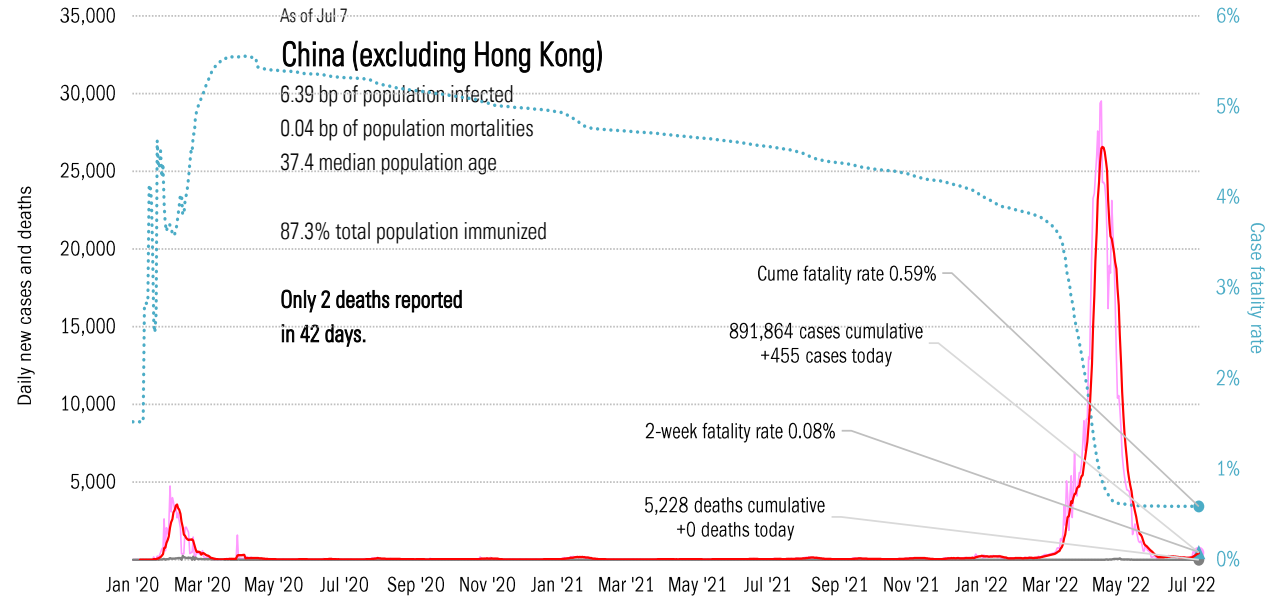
Cases: 7-day average and daily Deaths: Daily

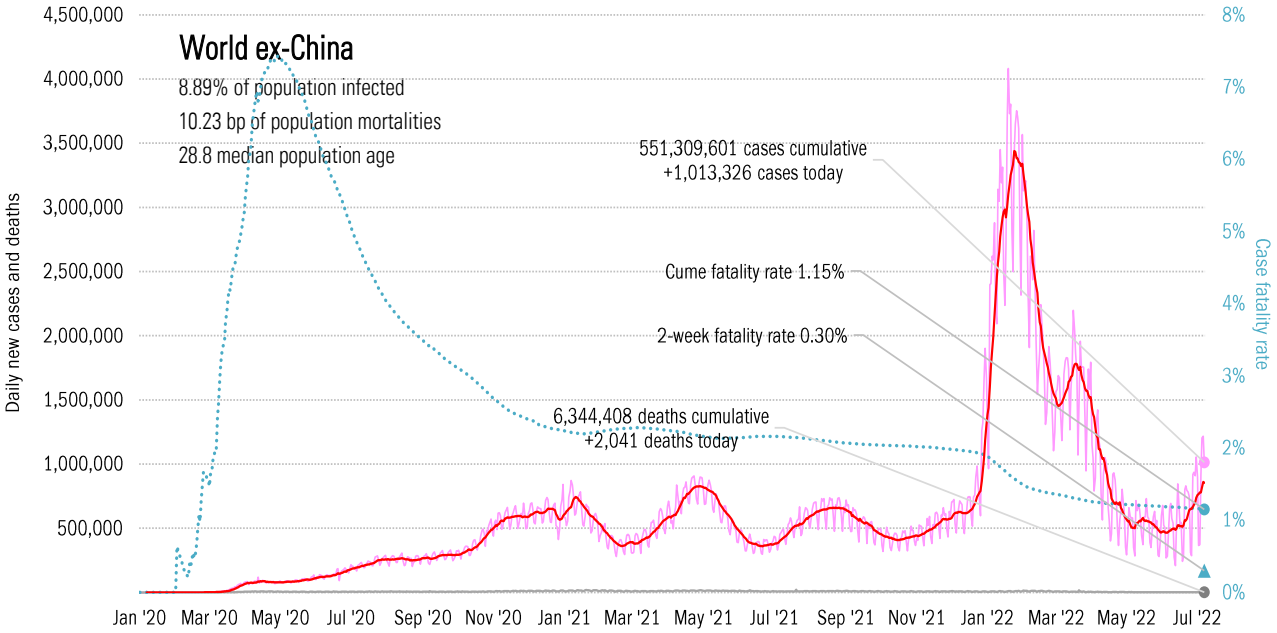


Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

Cases: 7-day average and daily Deaths: Daily

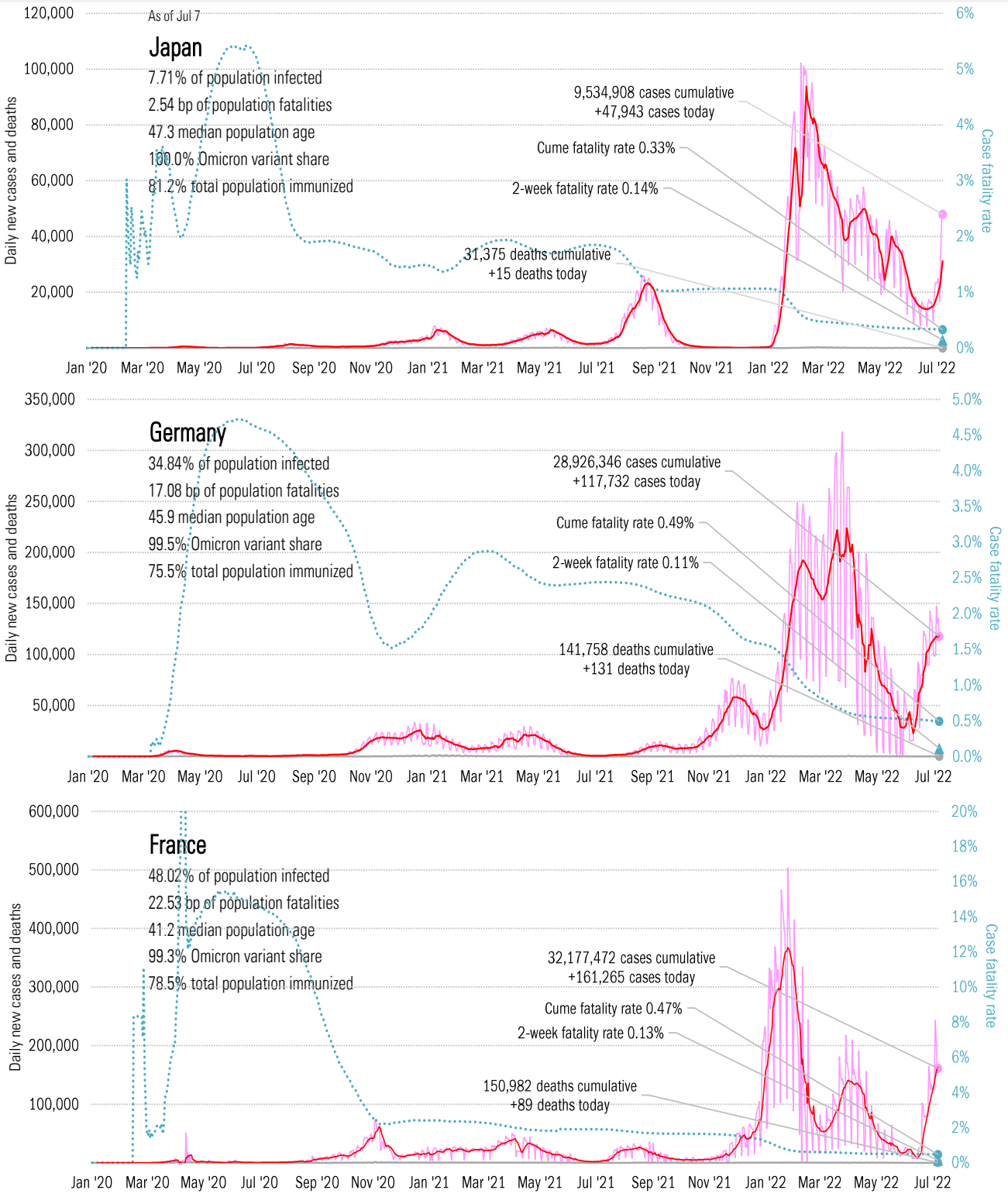




Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

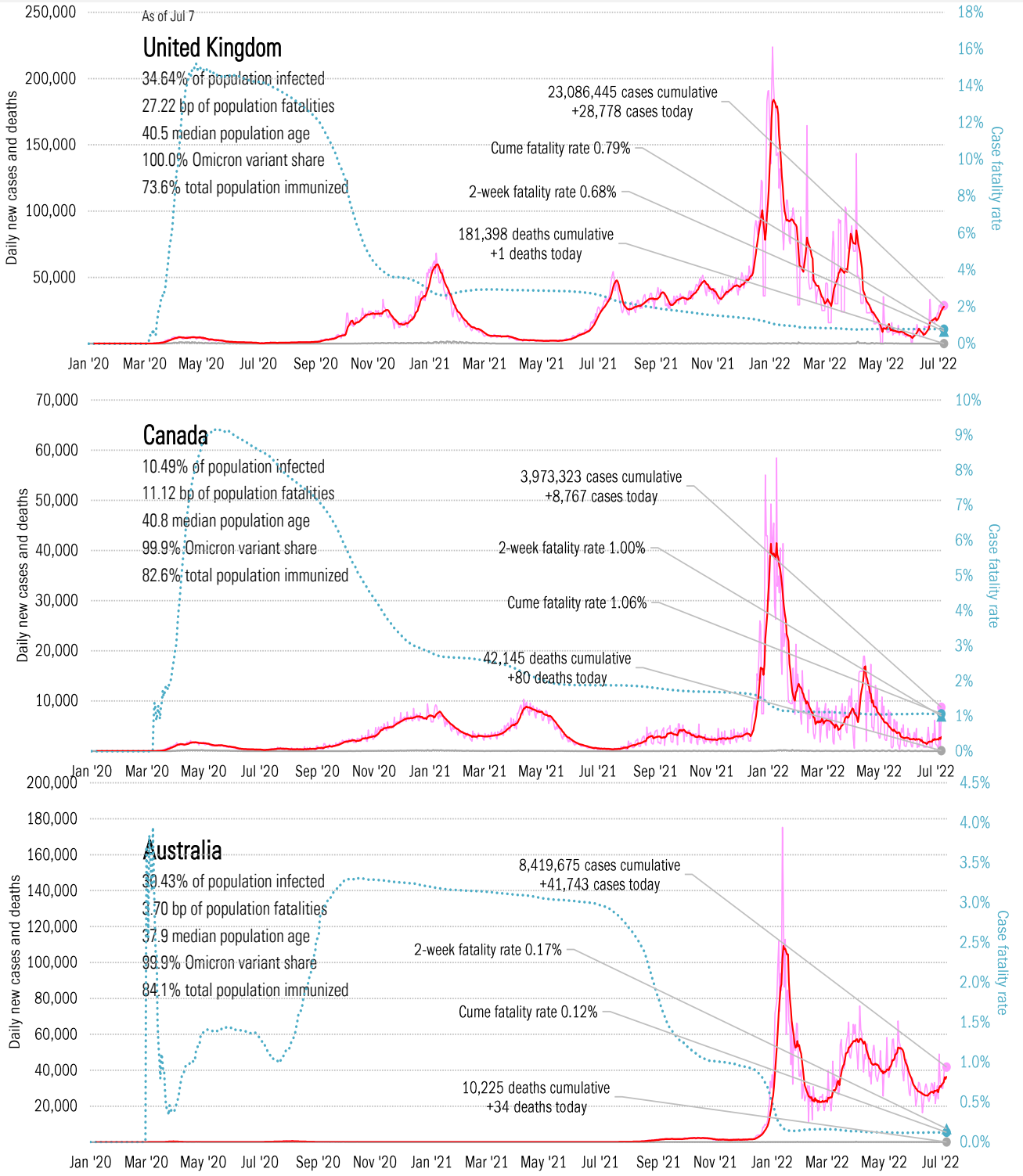
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

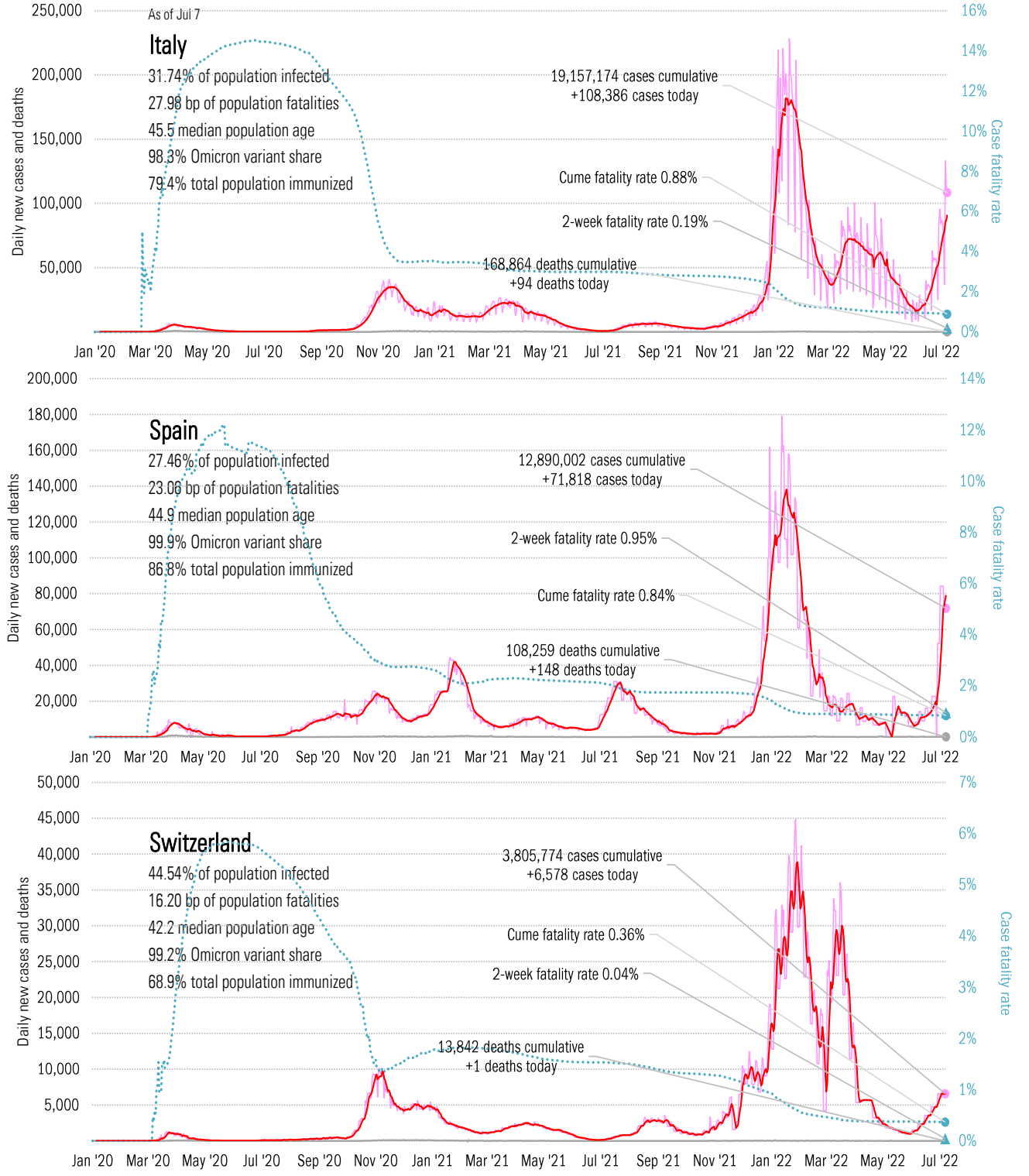
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

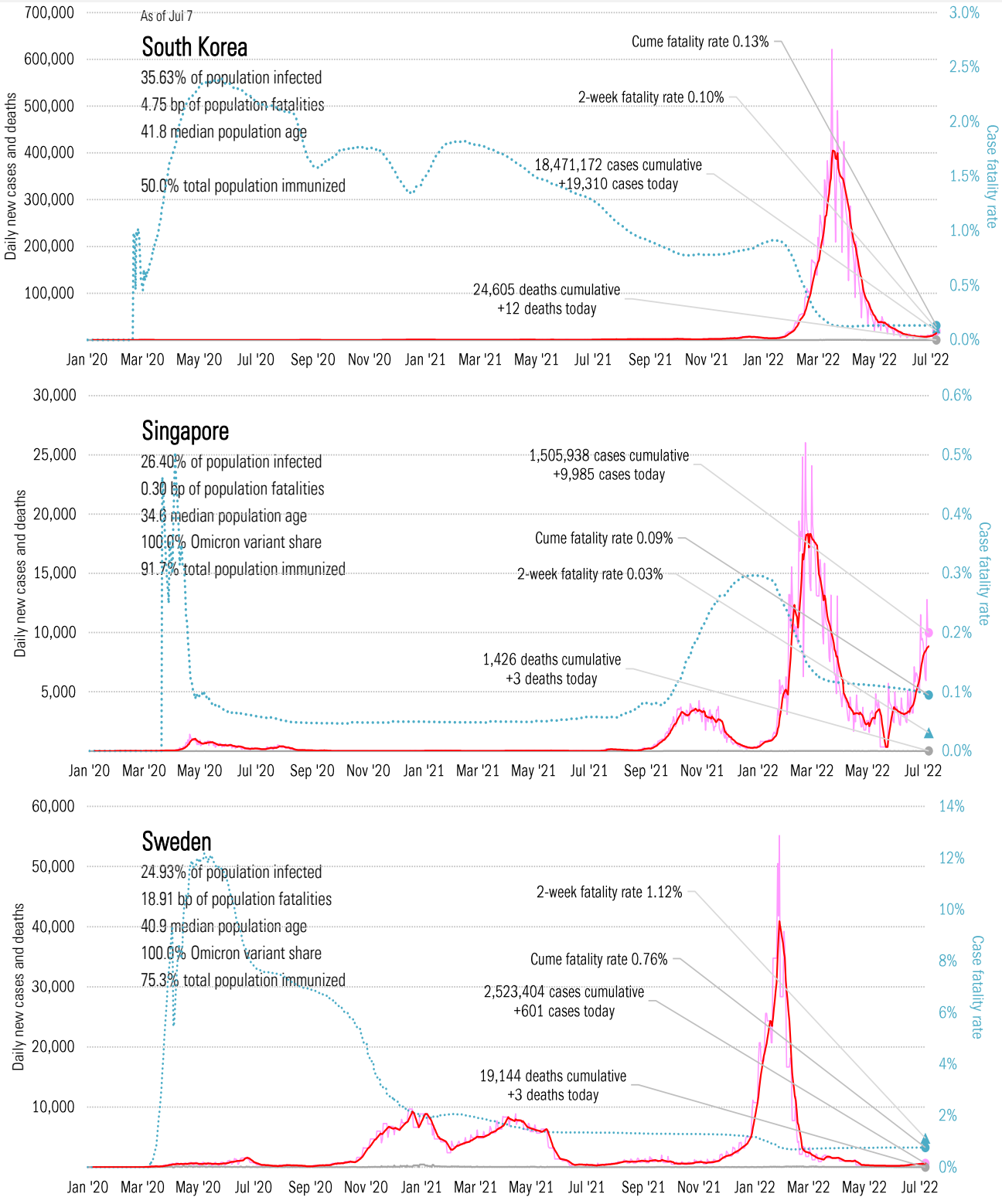
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

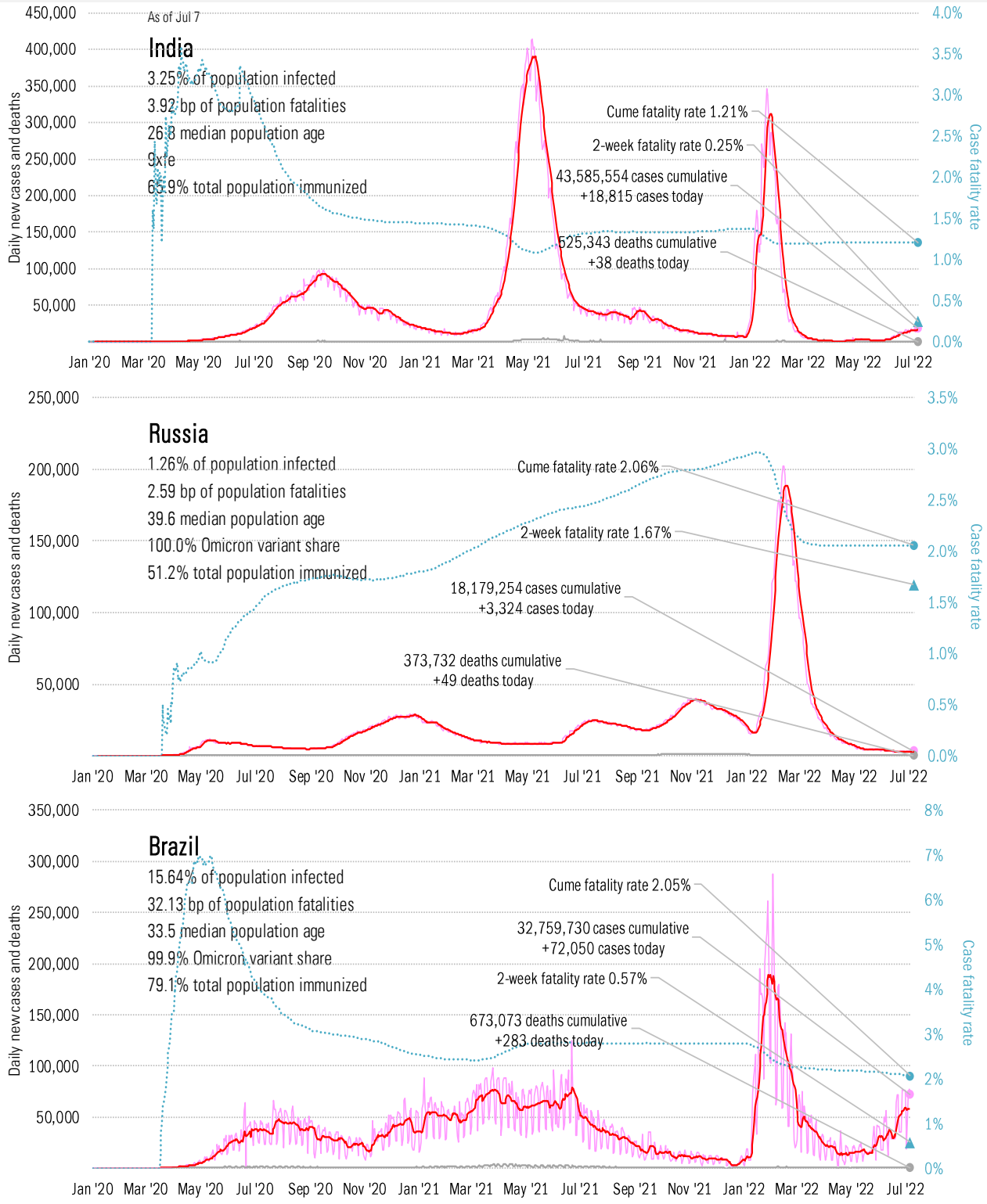
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

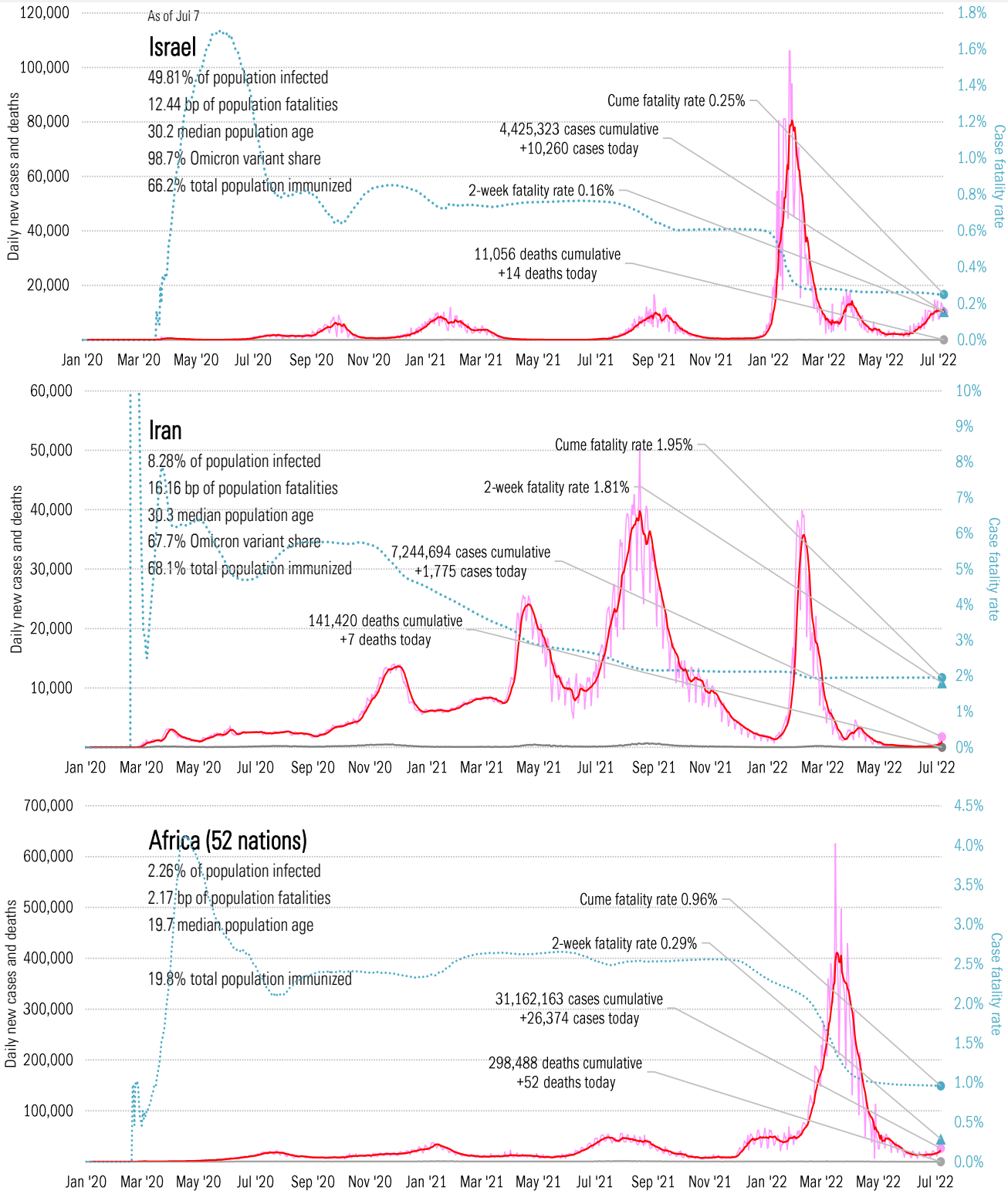
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

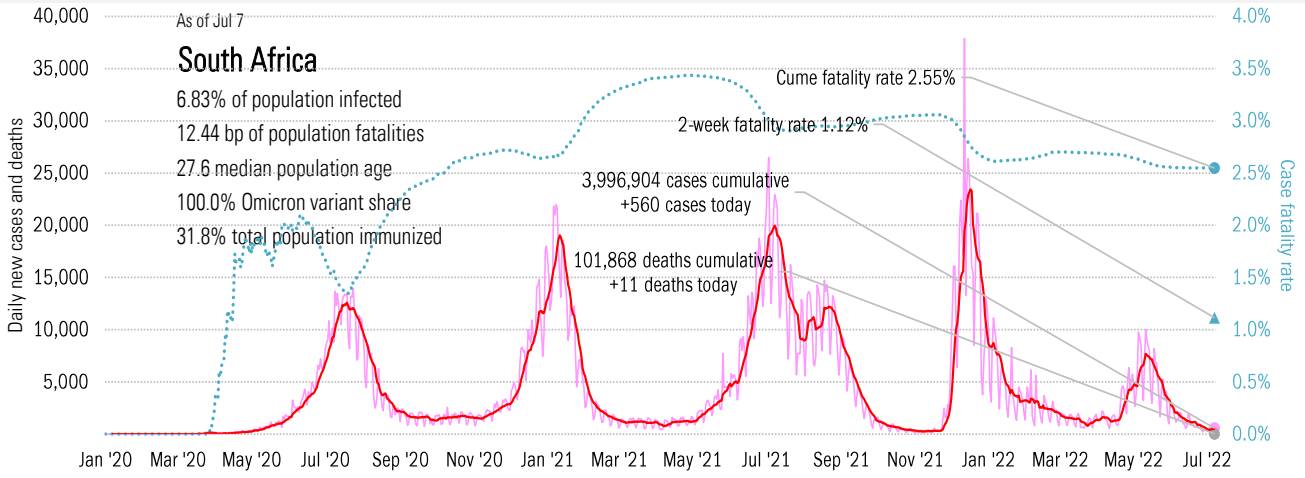
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations