

Data Insights: Covid-2019 Monitor

Friday, July 1, 2022

The global scorecard

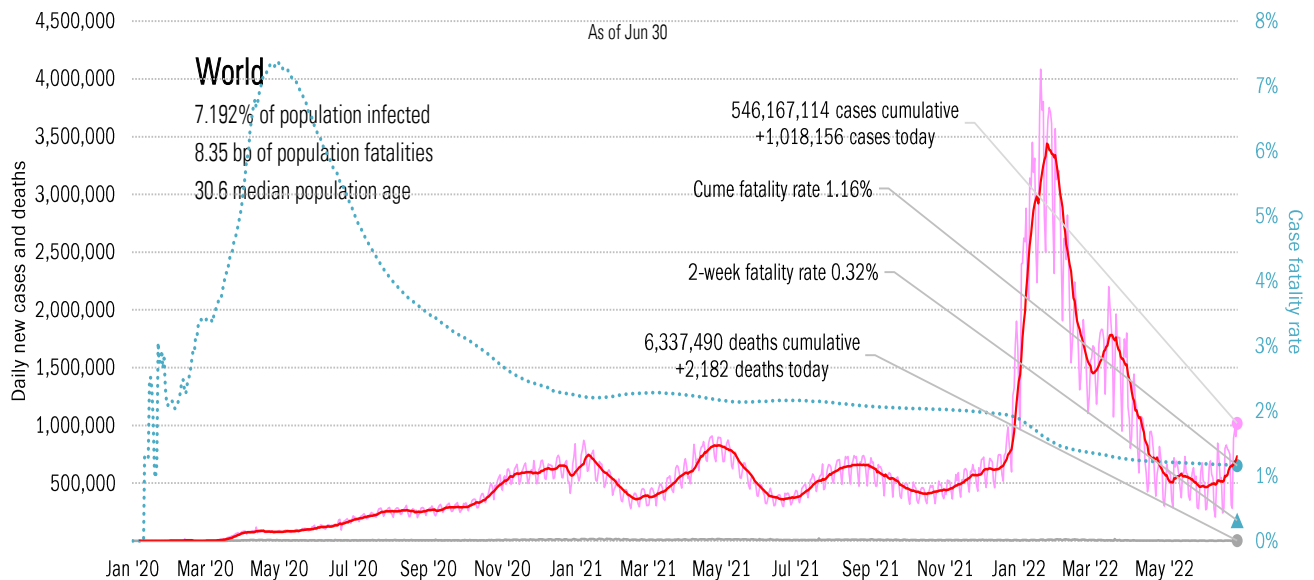
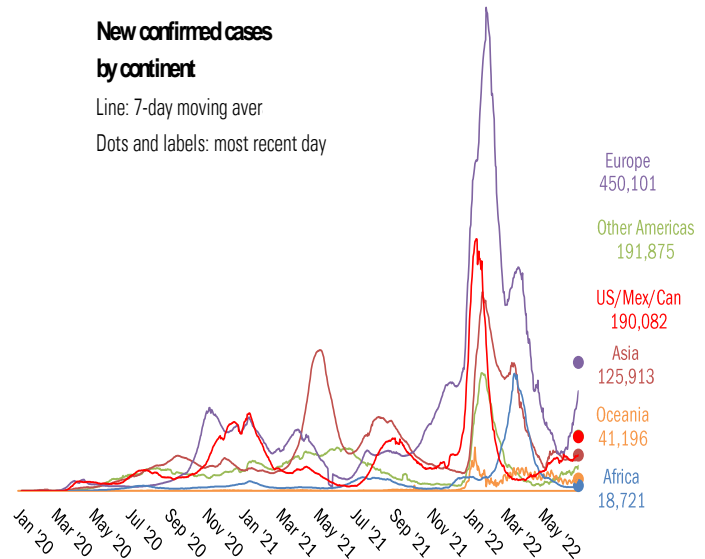
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Brazil	151,064	Brazil	568
United States	136,234	United States	503
France	133,346	Taiwan*	118
Germany	113,099	Colombia	100
Italy	84,234	United Kingdom	85
Mexico	47,685	Germany	84
Taiwan*	38,920	Canada	82
Australia	33,746	Mexico	78
Colombia	23,827	Italy	59
Japan	23,325	Russia	55
785,480		1,732	
World	1,018,156	World	2,182
Top ten	77%	Top ten	79%

New confirmed cases by continent

Line: 7-day moving aver
 Dots and labels: most recent day



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

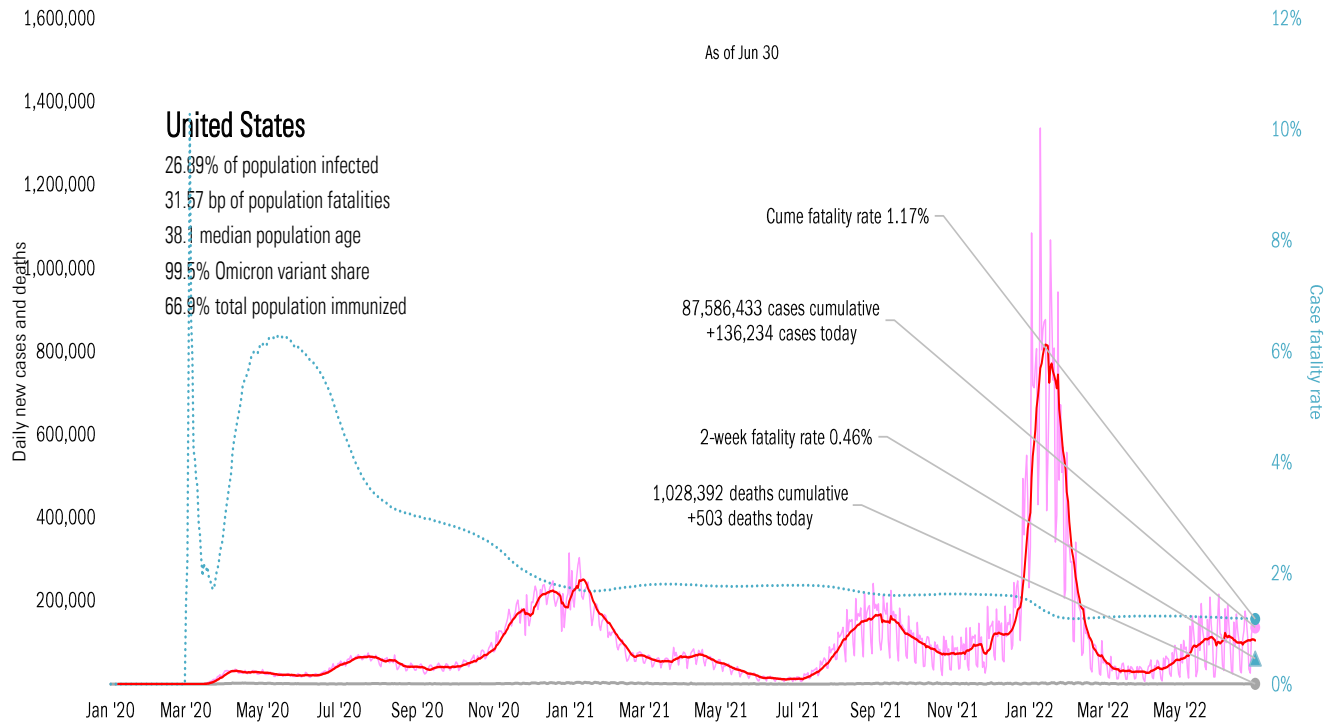
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
PA	17,499		PA	109		TX	497		CA	10,101,831		CA	92,249		TX	504,159		RI	90%	TX	88%
CH	17,225		CH	74		FL	657		TX	7,189,812		TX	88,712		CA	449,945		MA	88%	DE	84%
TX	13,511		FL	56		GA	179		FL	6,453,231		FL	75,823		FL	443,187		WA	86%	RI	83%
FL	10,664		VA	27		WA	119		NY	5,611,093		NY	69,667		NY	270,638		MN	85%	MA	83%
UT	7,388		TX	26		IN	101		IL	3,430,843		PA	45,766		GA	209,829		GA	83%	VA	83%
NY	7,321		NY	22		CA	614		PA	3,006,257		CH	38,852		CH	199,784		PA	83%	AL	82%
CA	5,700		IL	19		LA	100		NC	2,867,218		IL	38,588		PA	186,838		MD	83%	NM	81%
CK	5,615		UT	18		AR	58		CH	2,848,453		GA	38,579		IL	168,440		MO	83%	VT	81%
FR	4,911		AL	15		PA	170		GA	2,647,568		MI	36,918		MI	149,866		NH	82%	NE	81%
IL	4,864		CA	14		AZ	115		MI	2,606,431		NJ	34,049		KY	136,029		DE	82%	NH	80%
94,698			380			2,610			46,762,737			559,203			2,718,715						
All states	136,234			503			5,186		All states	87,586,433			1,028,392			4,938,956		All states	70%		67%
Top ten	70%			76%			50%		Top ten	53%			55%			55%		Median	76%		72%

Some states not reporting

Five most improved US states

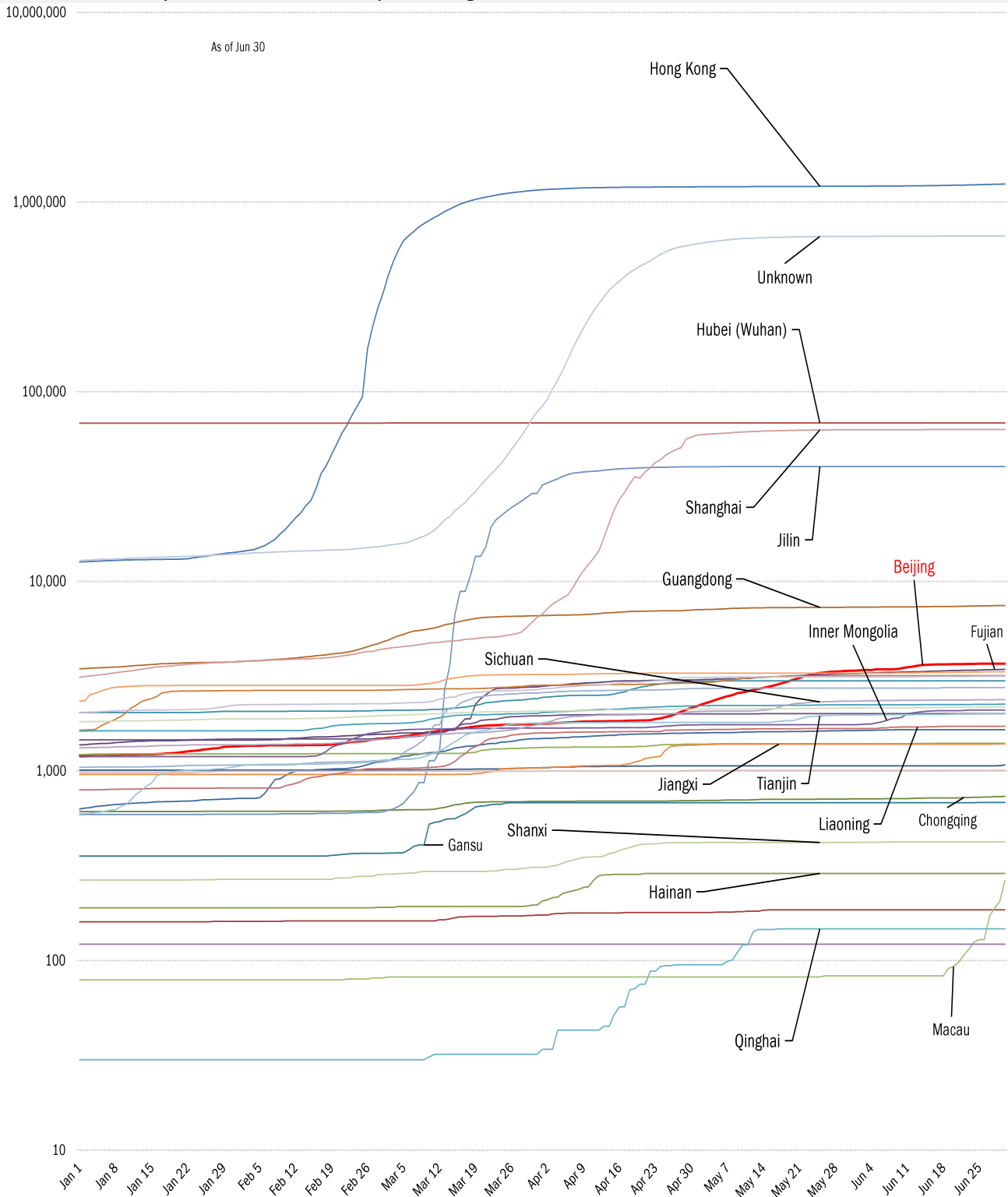
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NC	-24,141	CK	-704	CA	-80	AL	+10 bp
GA	-20,971	GA	-132	TN	-59	LA	+10 bp
NV	-8,125	NC	-58	CH	-58	AR	+10 bp
H	-5,362	FL	-41	AL	-39	TN	+10 bp
KS	-4,936	WA	-40	VA	-31	IN	+10 bp



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"

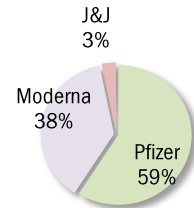


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	611,219,538		+0.273 million		US	66.9%	78.1%
of which boosters	108,244,239		+0.258 million		UK	73.5%	78.6%
	One dose	% Pop	Immune	% pop	New immune today	France	78.5%
Total population	267,952,785	80%	228,544,890	68%	+0.011 million	Spain	86.8%
Age 12 to 17	17,933,269	71%	15,342,644	61%	+0.002 million	Germany	75.5%
Age 18 to 64	179,772,602	88%	152,575,922	75%	+0.013 million	Italy	79.4%
Age 65 and over	59,401,488	100%	51,938,445	95%	+0.013 million	Australia	84.0%
						Israel	66.1%
						Canada	82.6%
						Japan	81.2%
						Africa	18.5%
						India	65.6%
						Brazil	78.9%
						China	87.3%



AK
70.6%
62.7%

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

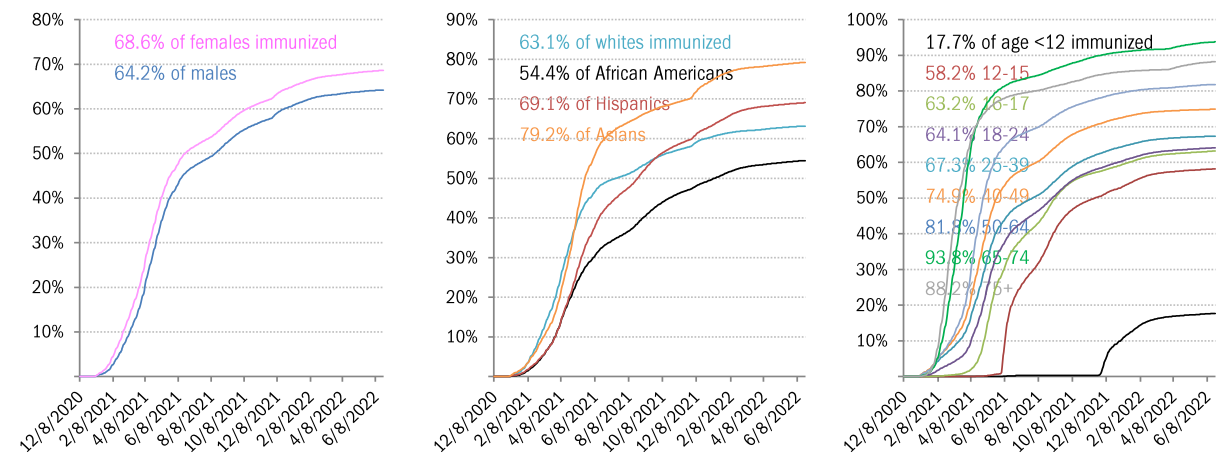


Global data differs due to sources, timing

As of Jun 30

					WI							ME
					72.4%							91.9%
					66.1%							80.5%
WA	ID	MT	ND	MN	IL	MI			NY	VT		NH
81.7%	62.3%	65.8%	66.2%	75.7%	76.3%	67.5%			91.1%	94.6%		89.6%
73.0%	55.8%	57.3%	56.1%	69.7%	69.0%	60.7%			77.8%	82.0%		71.6%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA		
78.6%	76.2%	58.7%	77.7%	68.4%	62.6%	63.7%	86.2%		91.4%	95.0%		
70.2%	61.4%	51.4%	62.6%	62.4%	56.4%	58.8%	69.6%		76.5%	80.0%		
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT		RI	
83.0%	72.8%	80.2%	70.9%	66.8%	66.7%	65.6%	86.8%	87.6%	95.0%		95.0%	
72.8%	64.8%	70.8%	64.1%	56.7%	57.9%	58.1%	73.8%	76.5%	80.1%		83.7%	
	AZ	NM	KS	AR	TN	NC	SC	DC	DE			
	74.3%	89.1%	73.1%	67.4%	62.7%	85.8%	68.5%	95.0%	84.2%			
	62.4%	72.0%	62.6%	55.0%	54.9%	62.5%	57.7%	76.2%	70.1%			
			OK	LA	MS	AL	GA					
			71.8%	61.5%	60.2%	63.3%	66.1%					
			57.9%	53.9%	52.3%	51.6%	55.4%					
			TX									
			74.4%									
			62.3%									
										FL		PR
										80.2%		95.0%
										67.6%		83.6%

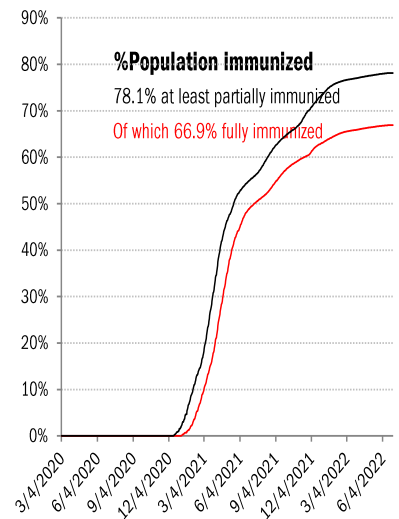
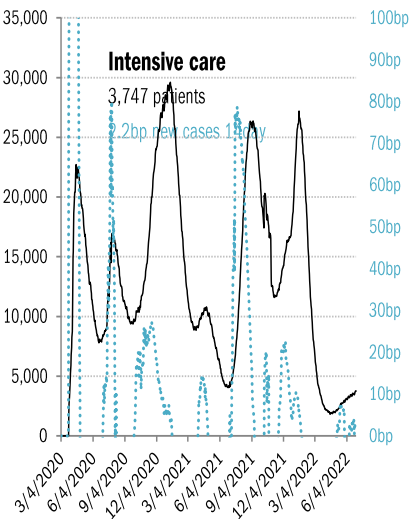
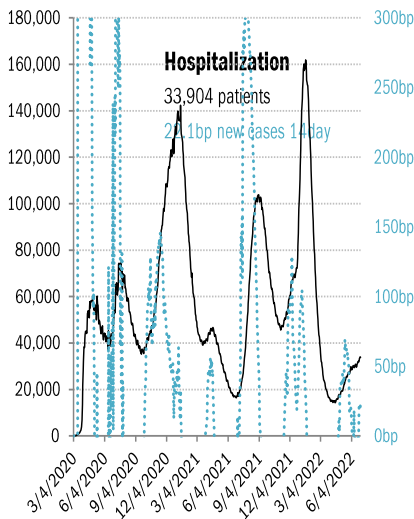
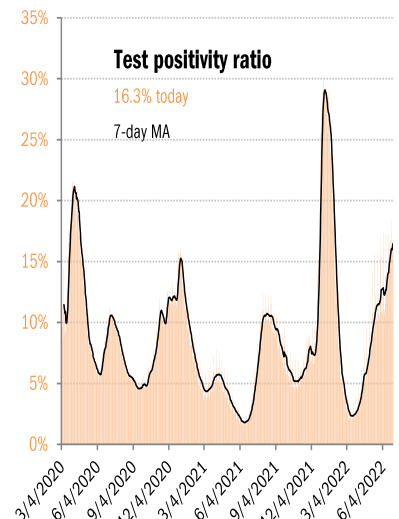
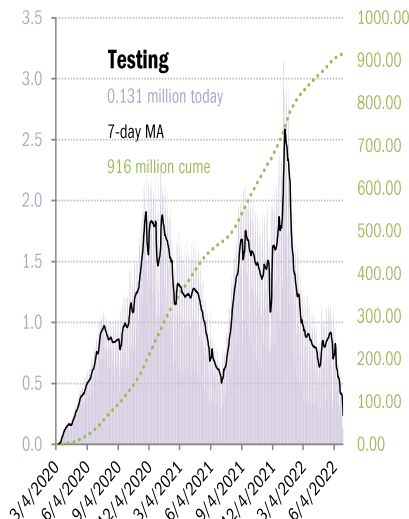
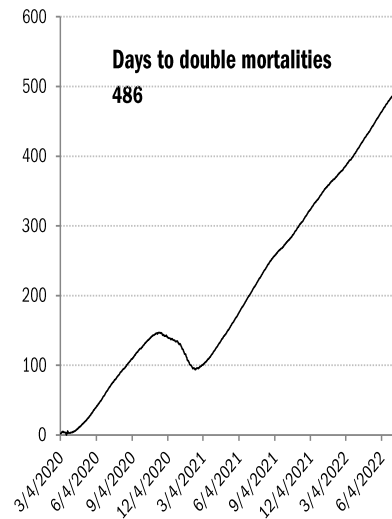
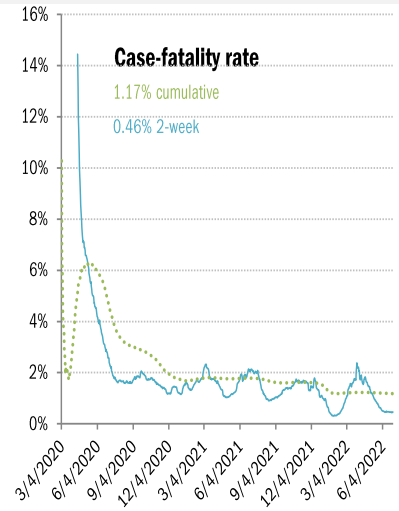
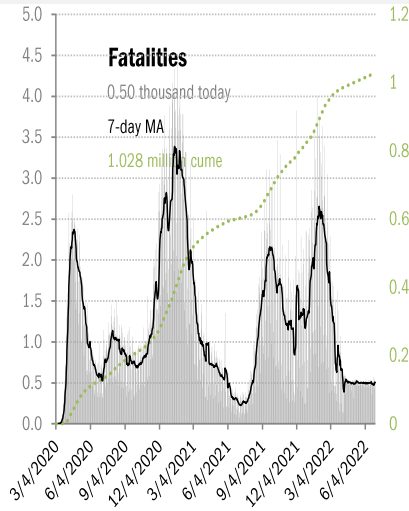
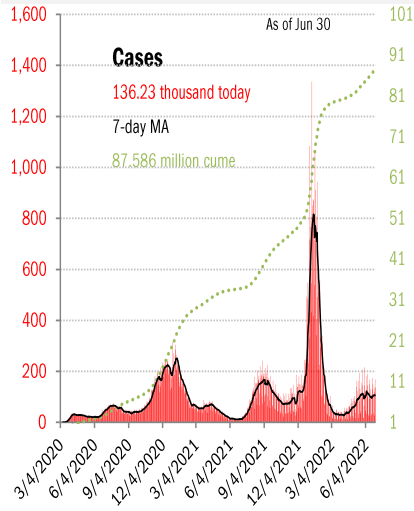
The demographics of US vaccination



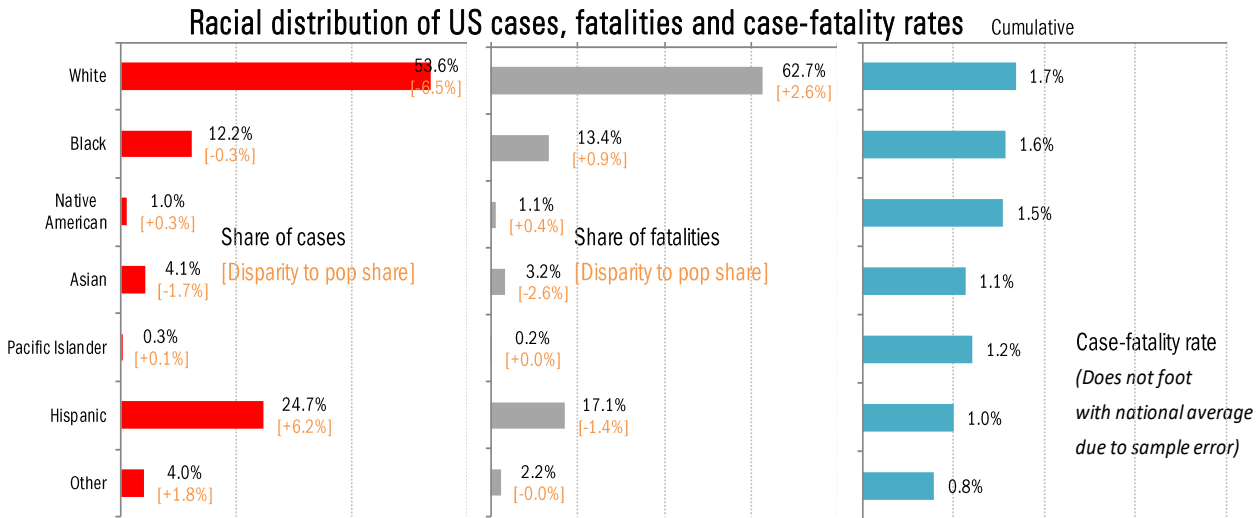
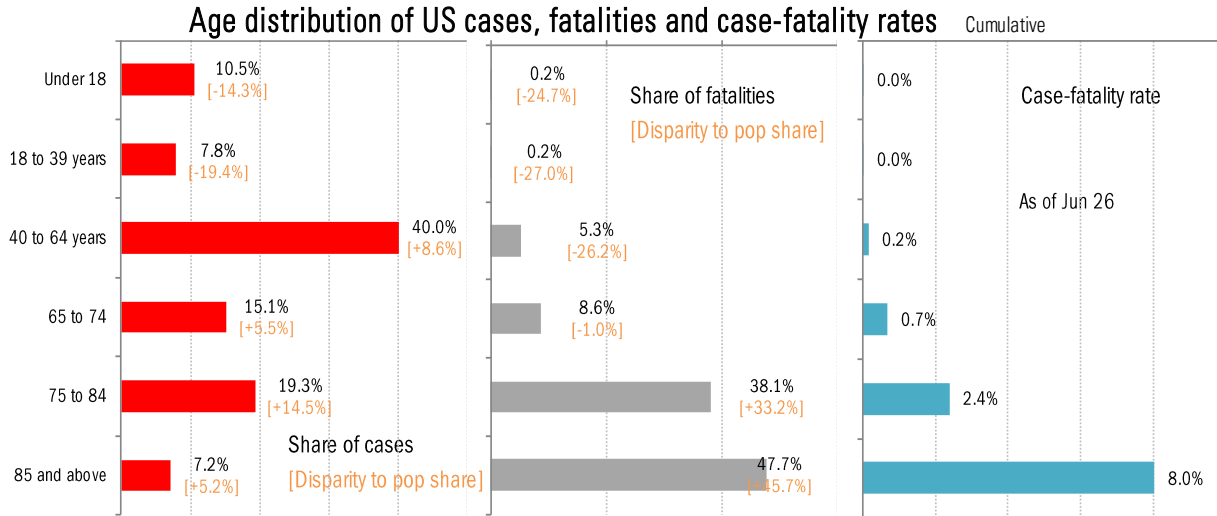
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

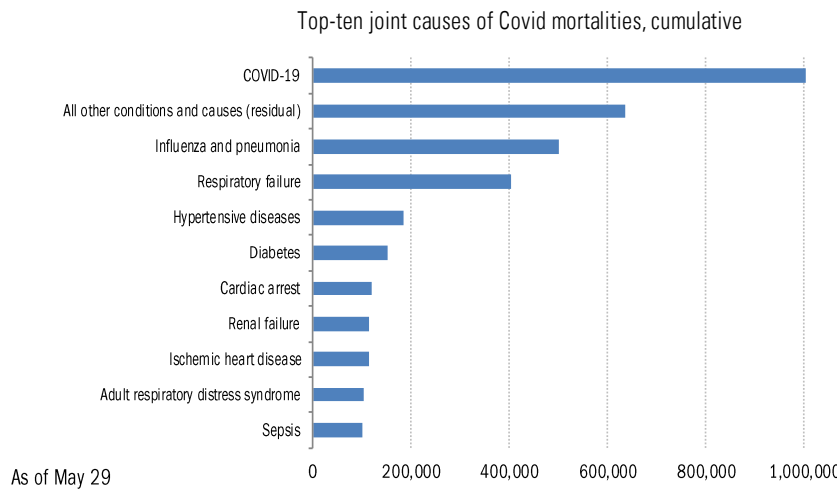
National and state-by-state data do not line up because of different sources



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



Comorbidities



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 for the month of June by the CDC while making "system upgrades."

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

Recommended reading

[Dr. Vladimir "Zev" Zelenko](#)

Z-Freedom Foundation

June 30, 2022

[FDA Wants Fall Covid-19 Boosters to Target Omicron Subvariants BA.4 and BA.5](#)

Peter Loftus and Jared S. Hopkins

Wall Street Journal

June 30, 2022

[Who should get the monkeypox vaccine?](#)

Natalie Prieb

The Hill

June 30, 2022

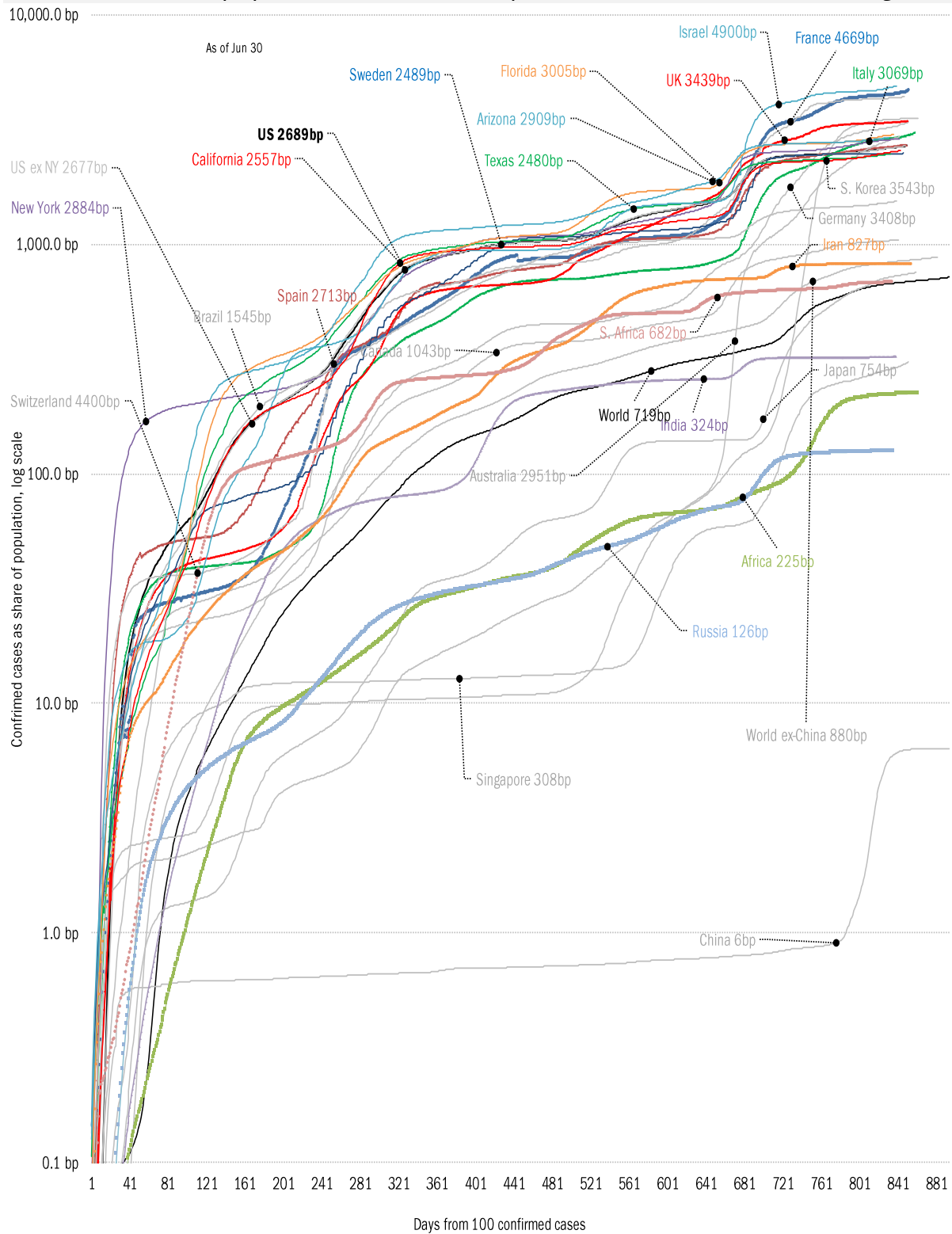
Meme of the day



Bert And Ernie Both Contract Monkeypox

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

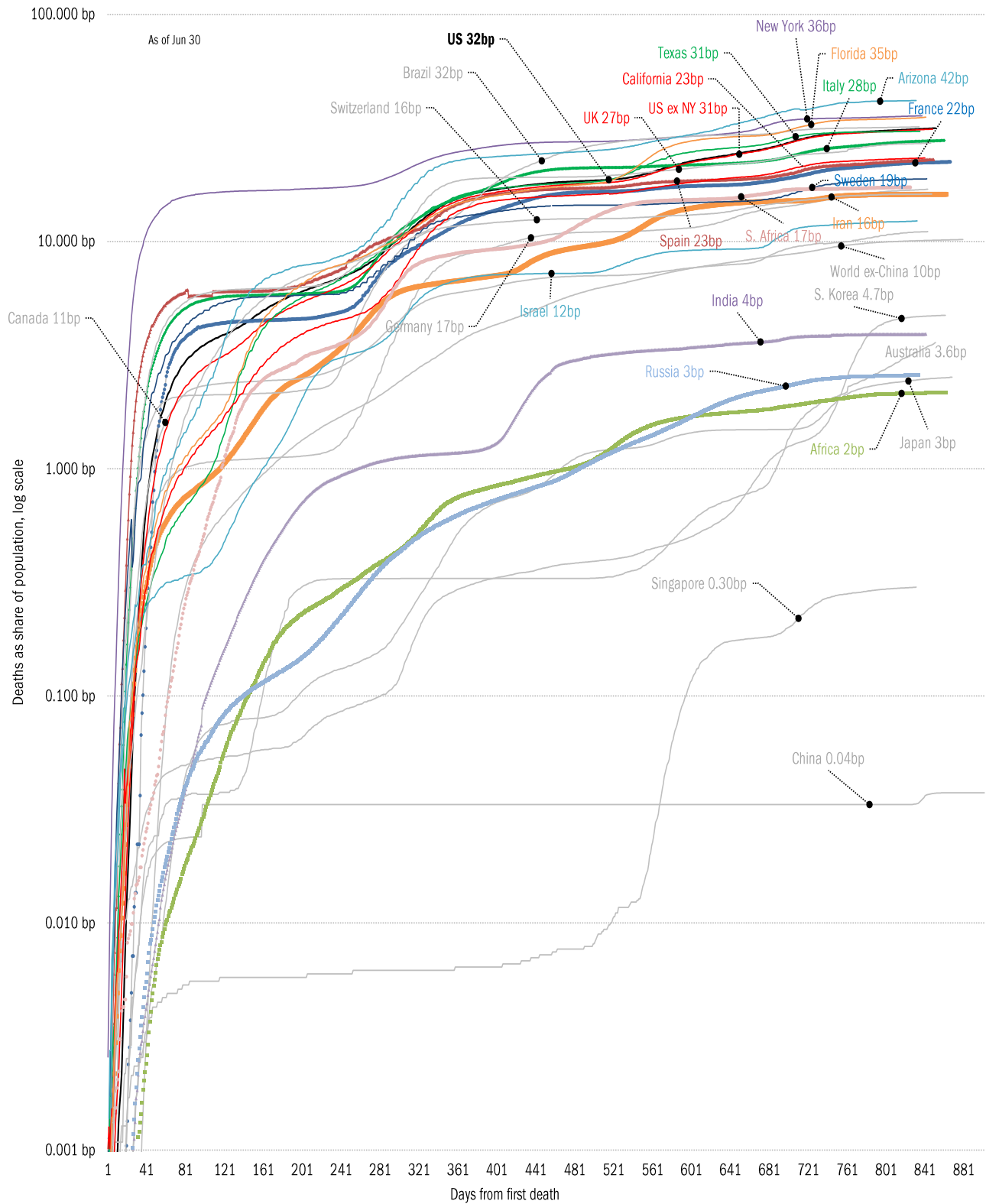
The global coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

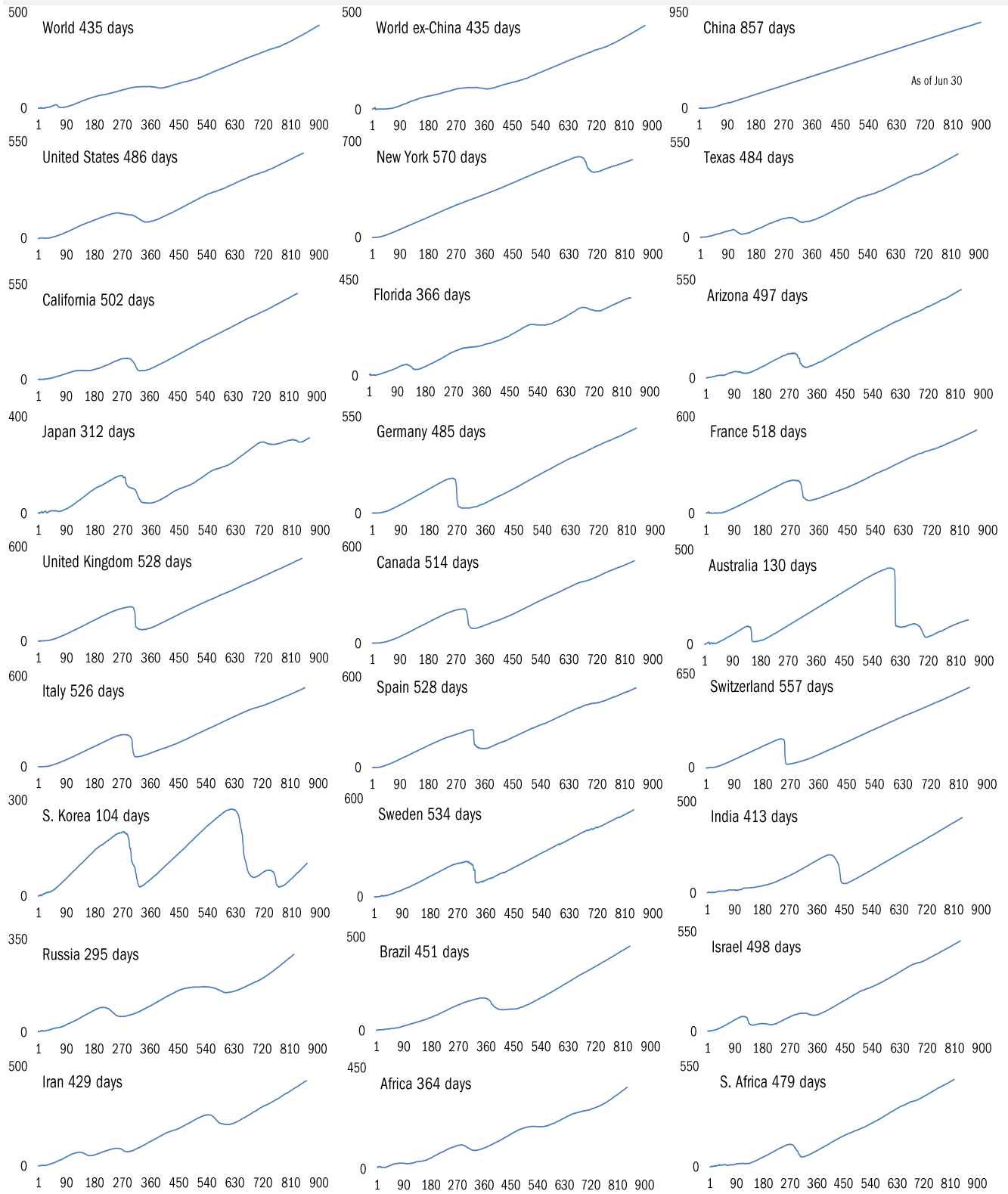


Source: [Johns Hopkins](#), TrendMacro calculations

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

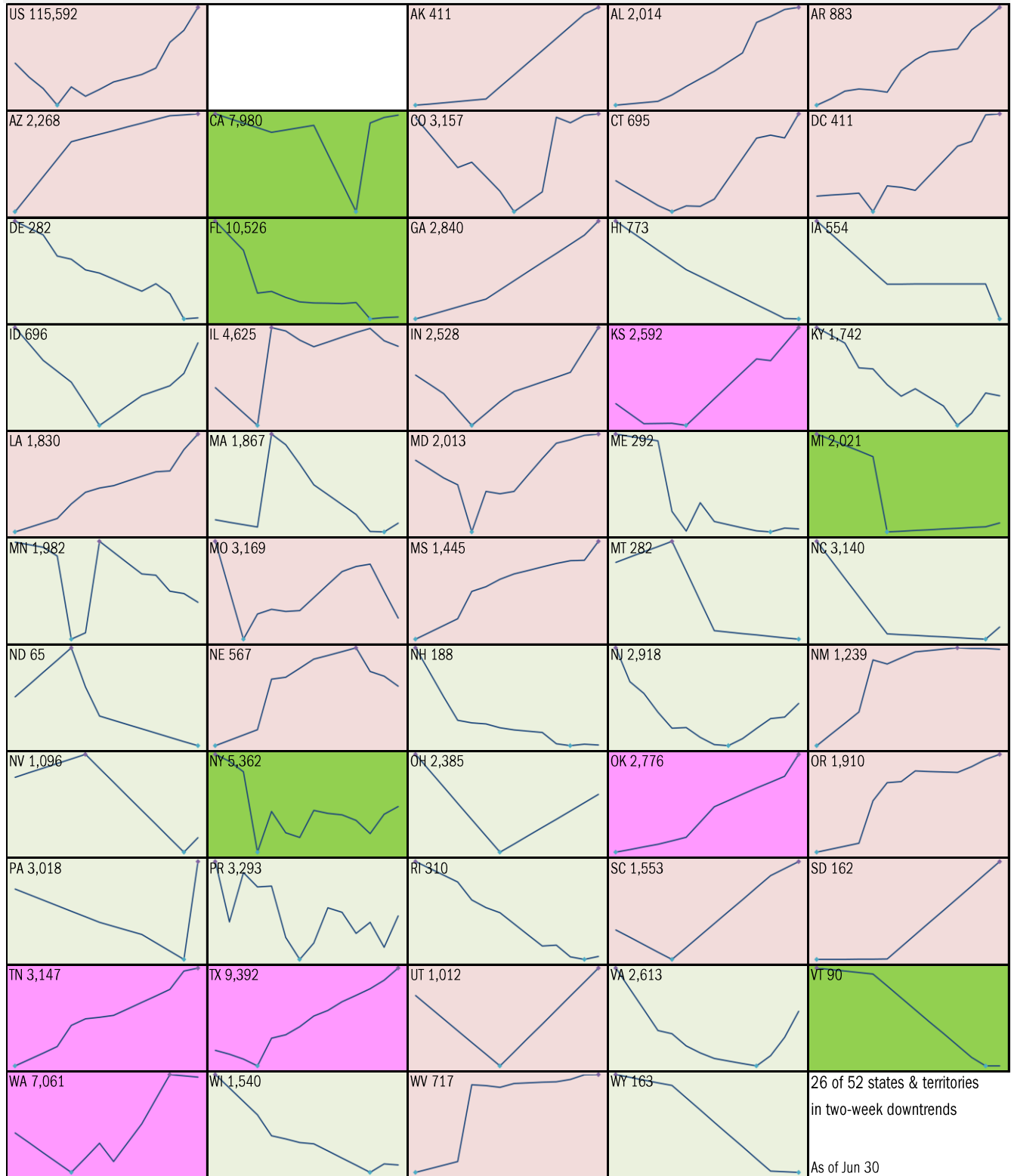


Source: [Johns Hopkins](#), TrendMacro calculations

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

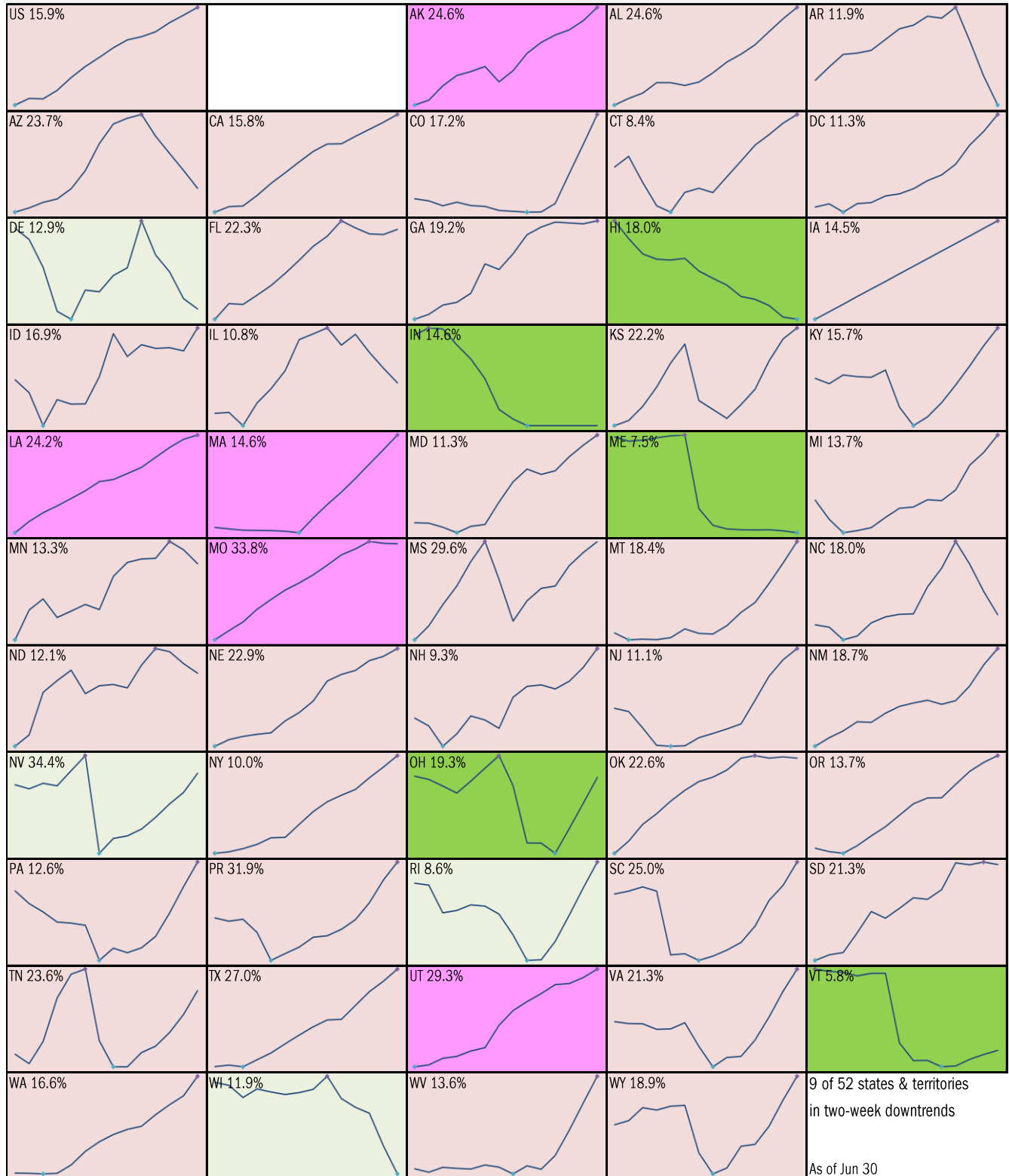


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

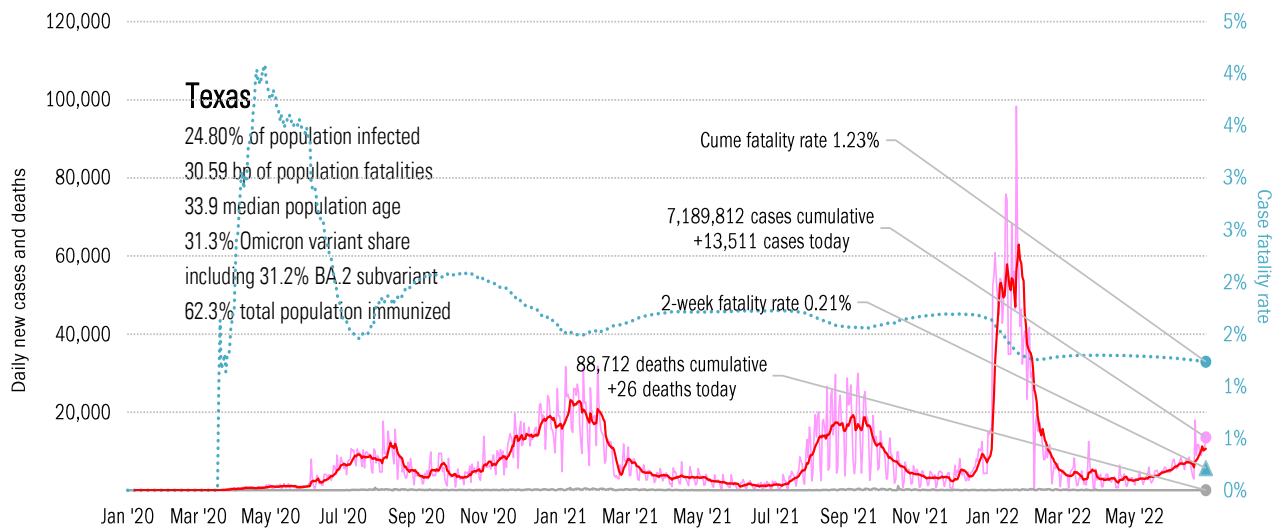
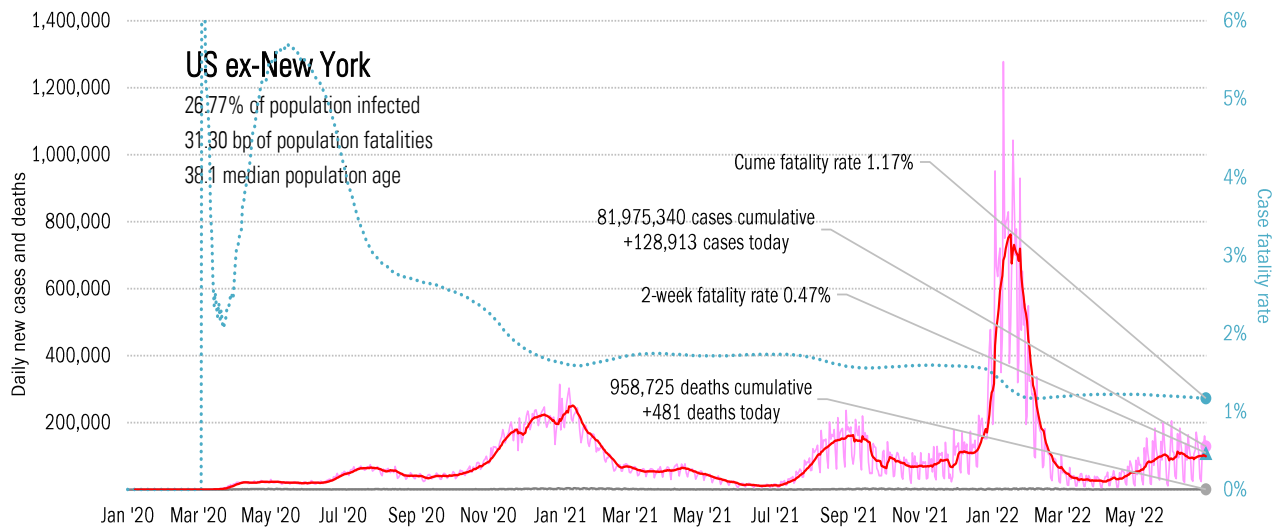
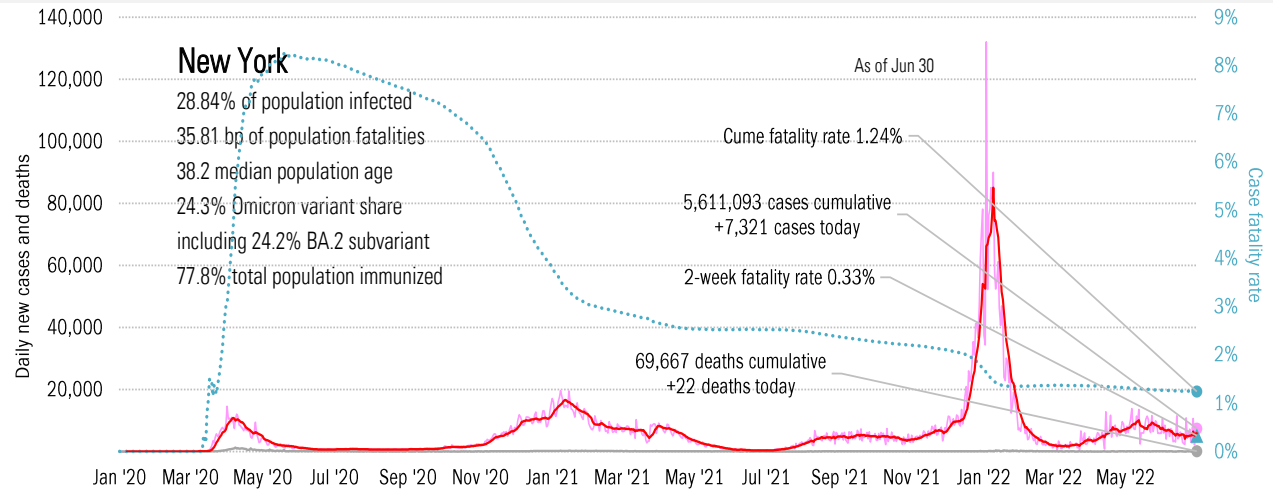
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

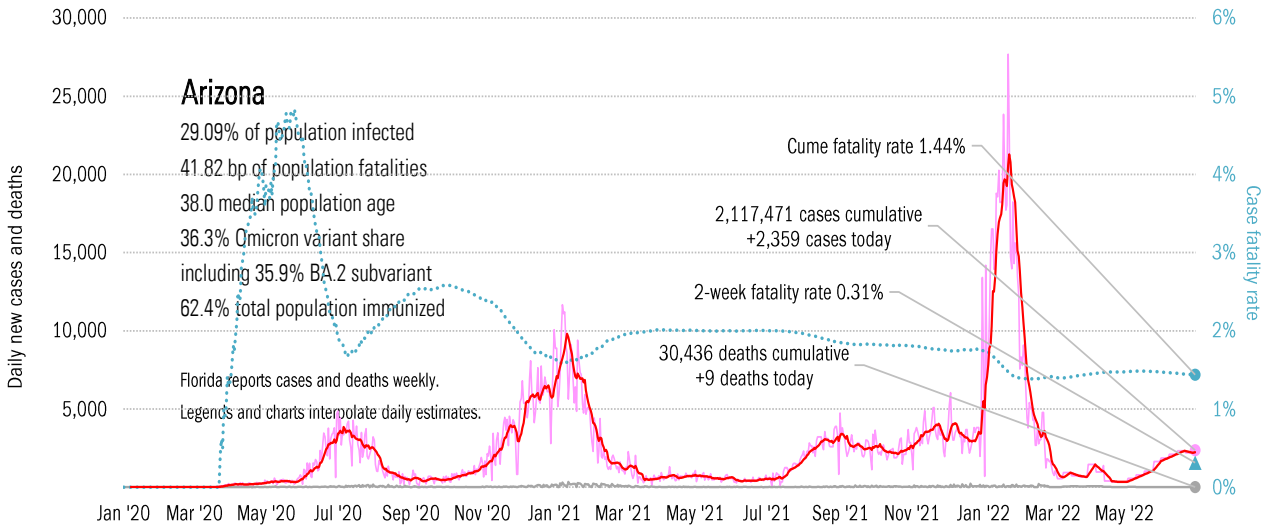
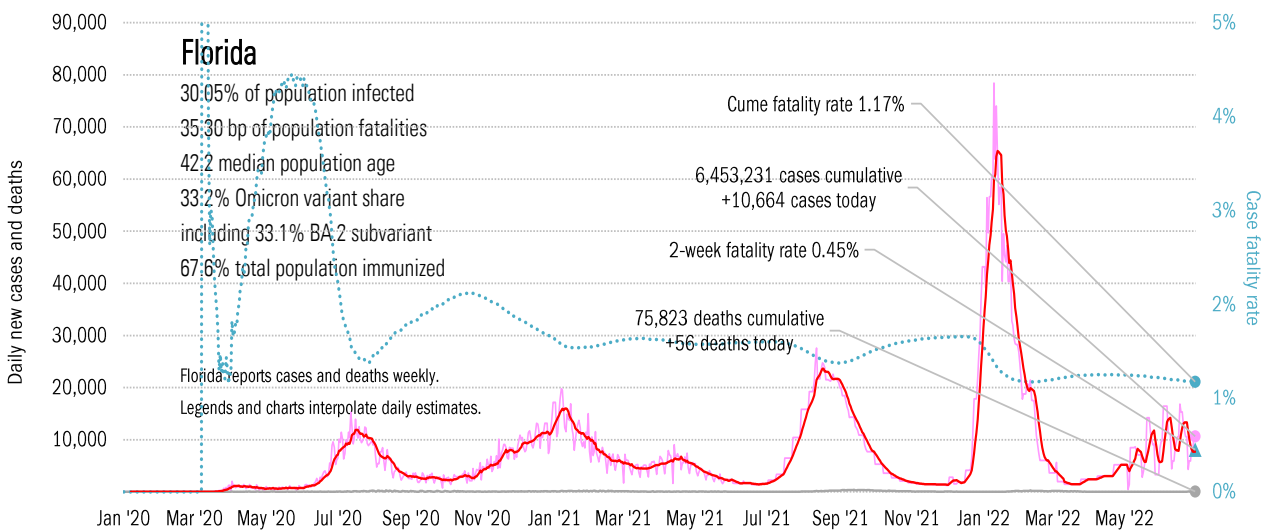
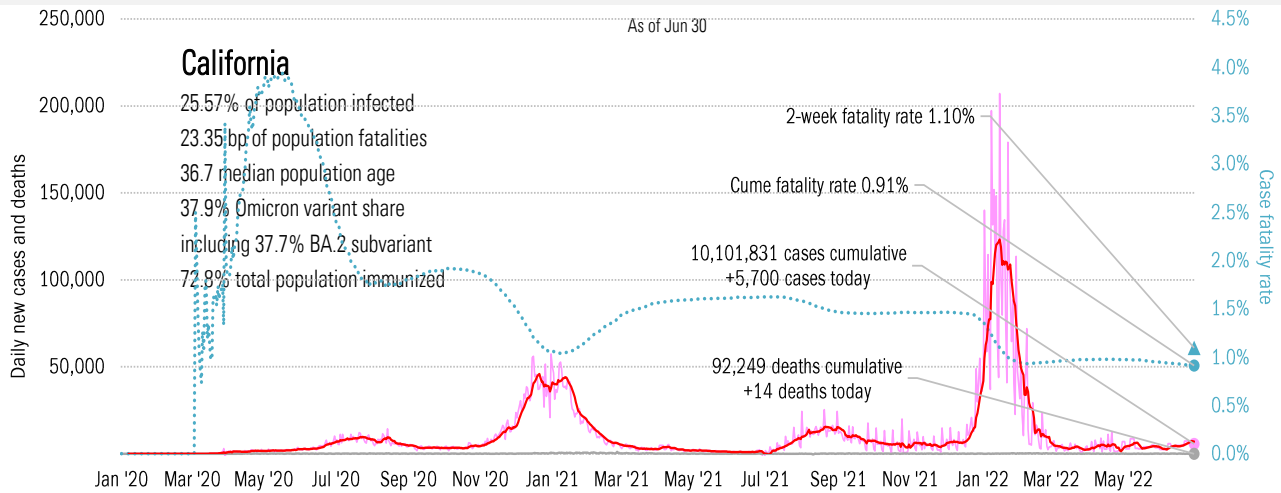
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

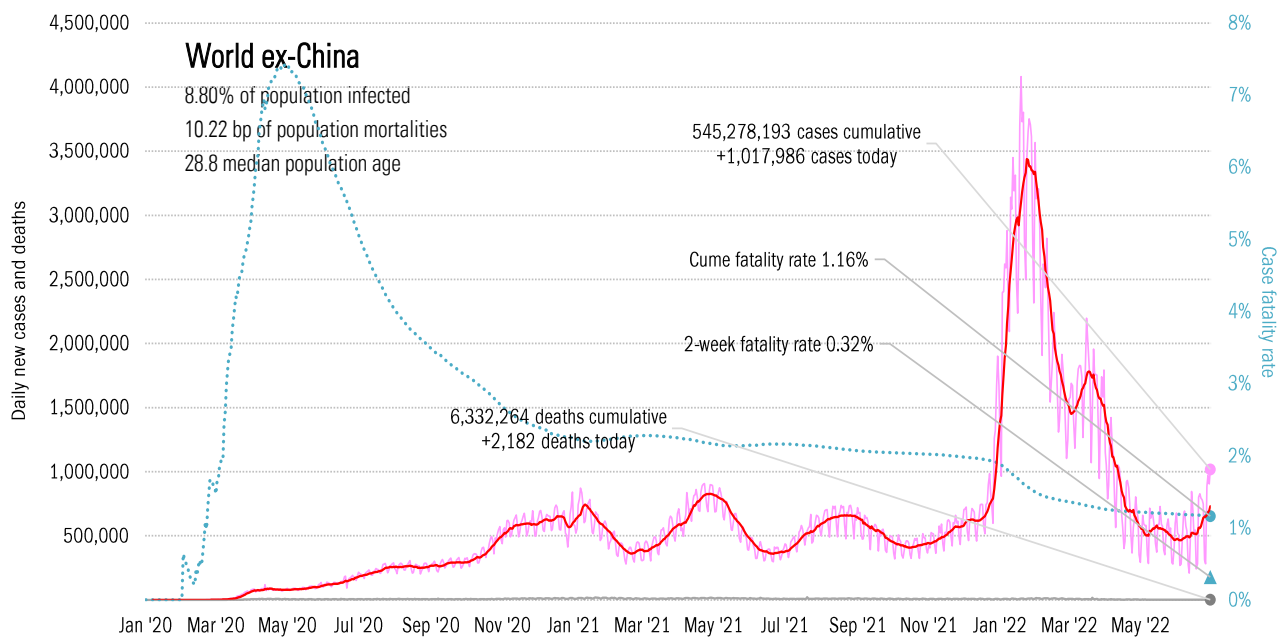
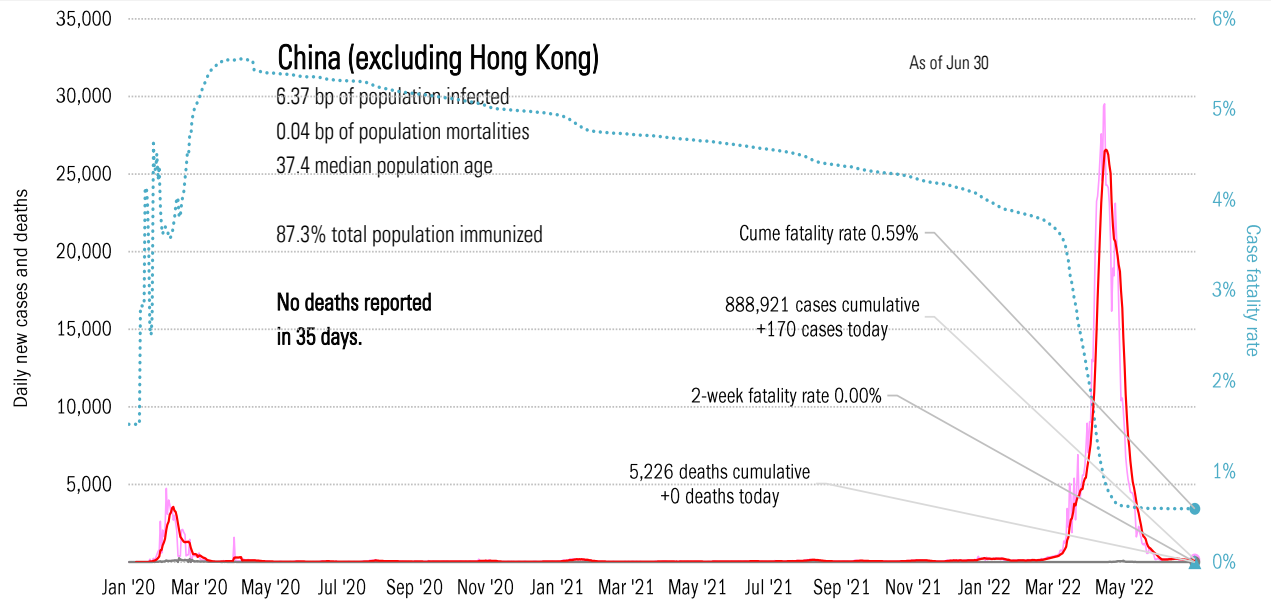
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

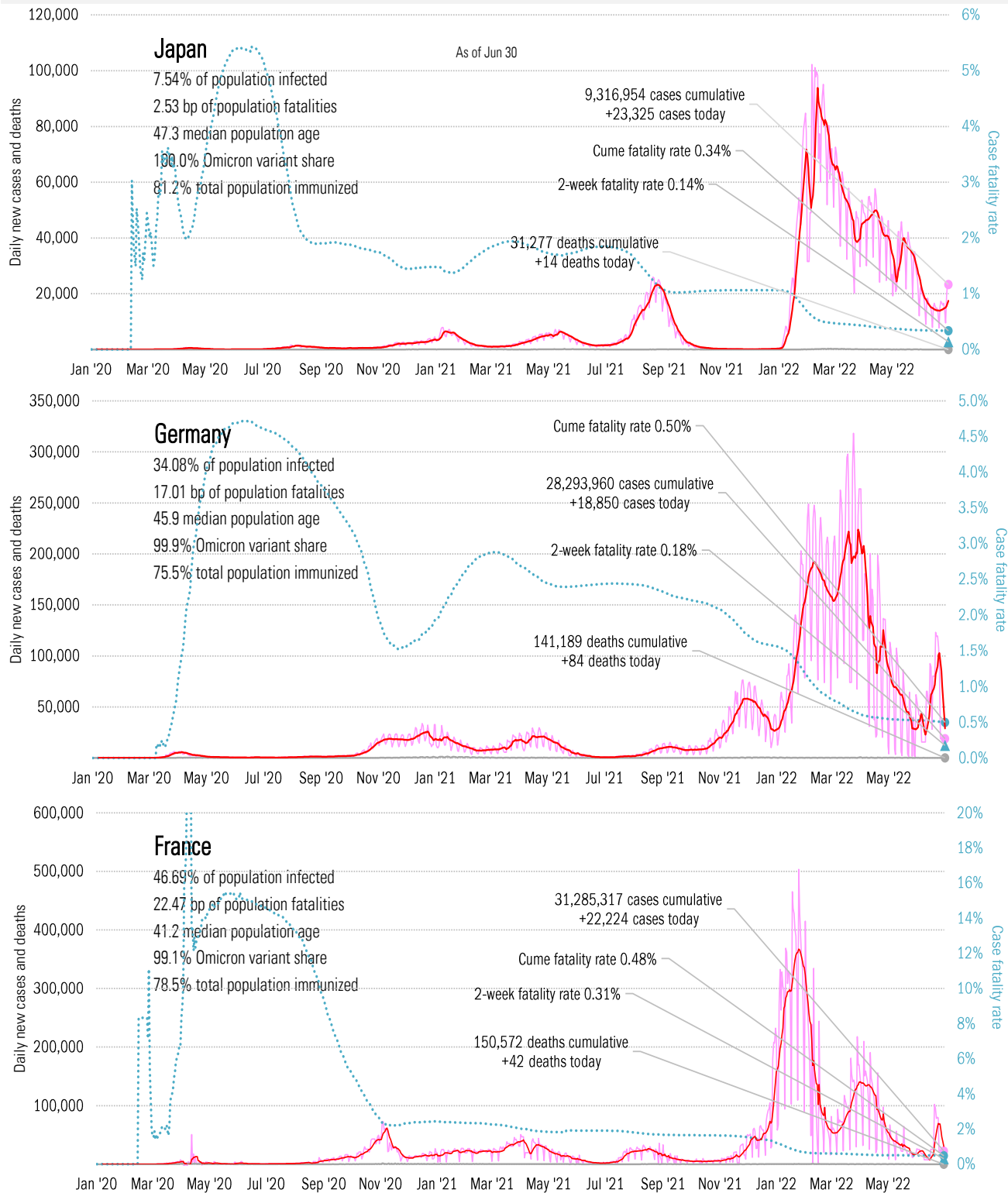
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

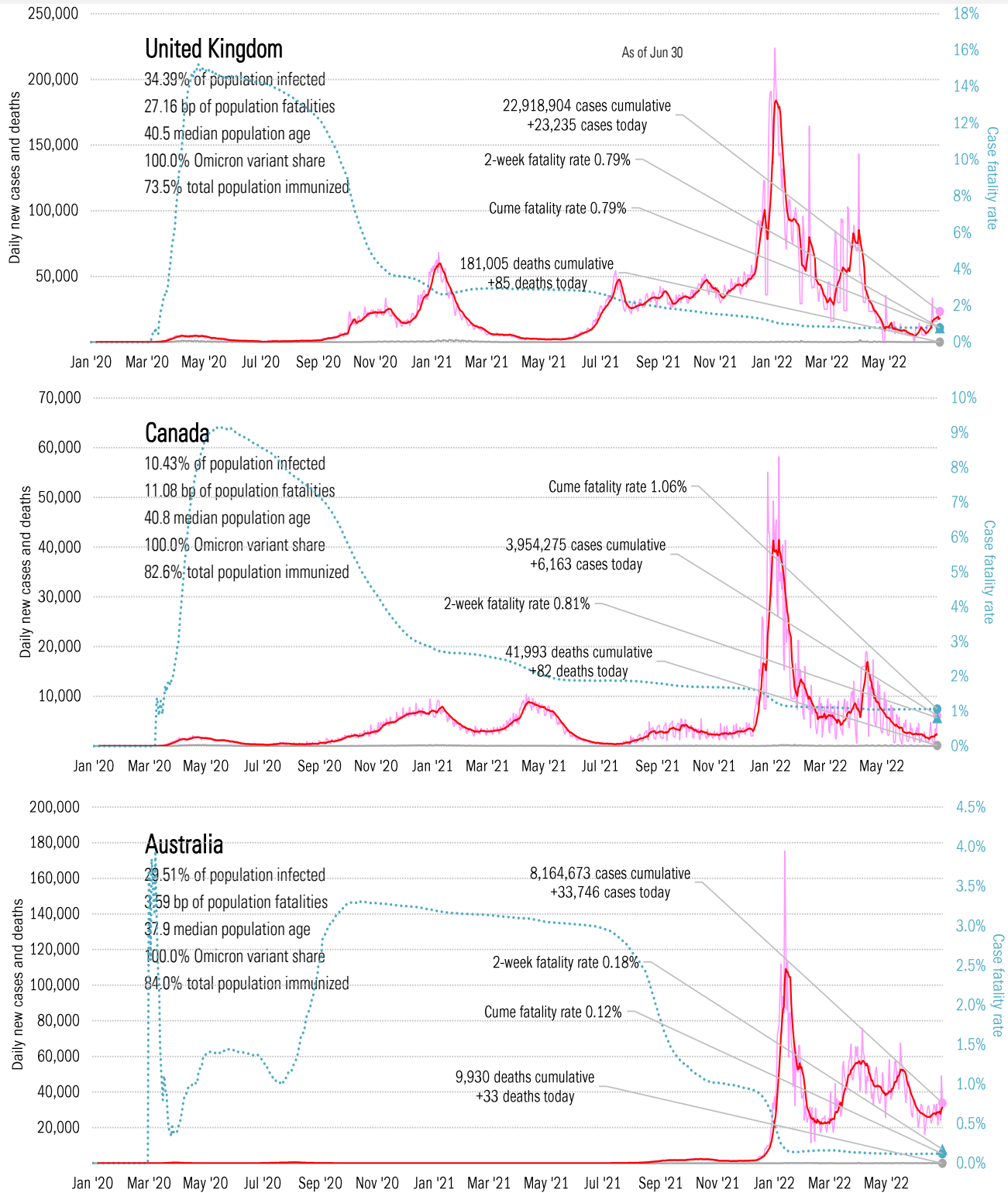
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

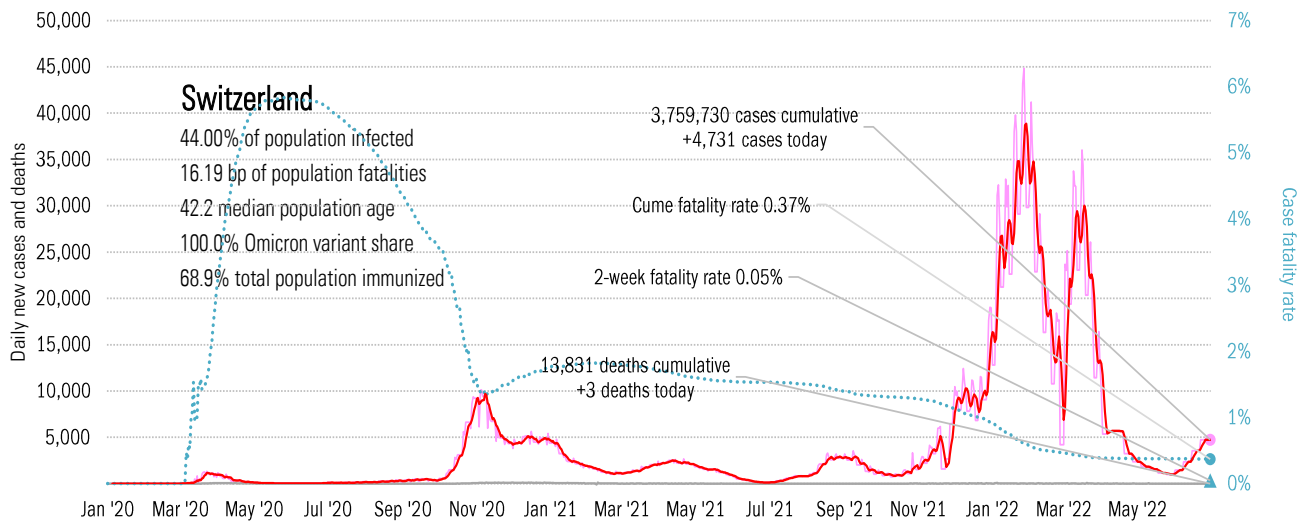
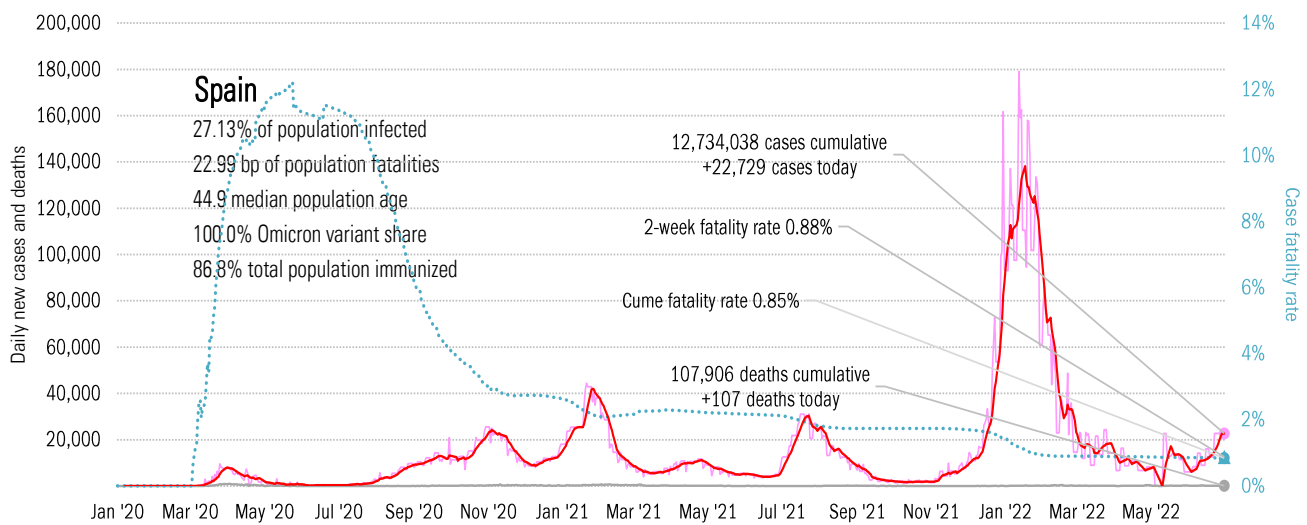
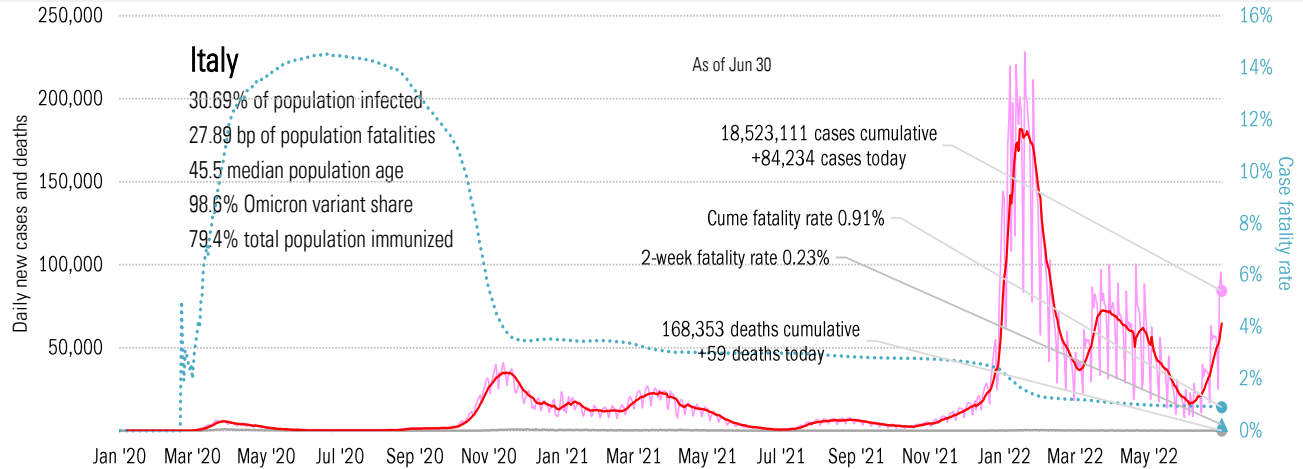
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

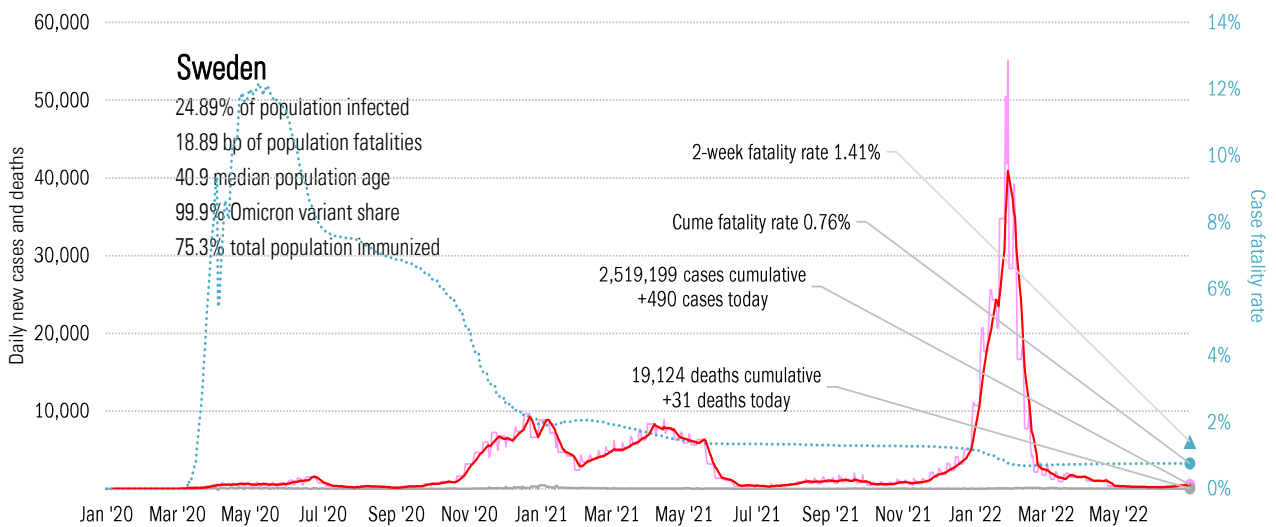
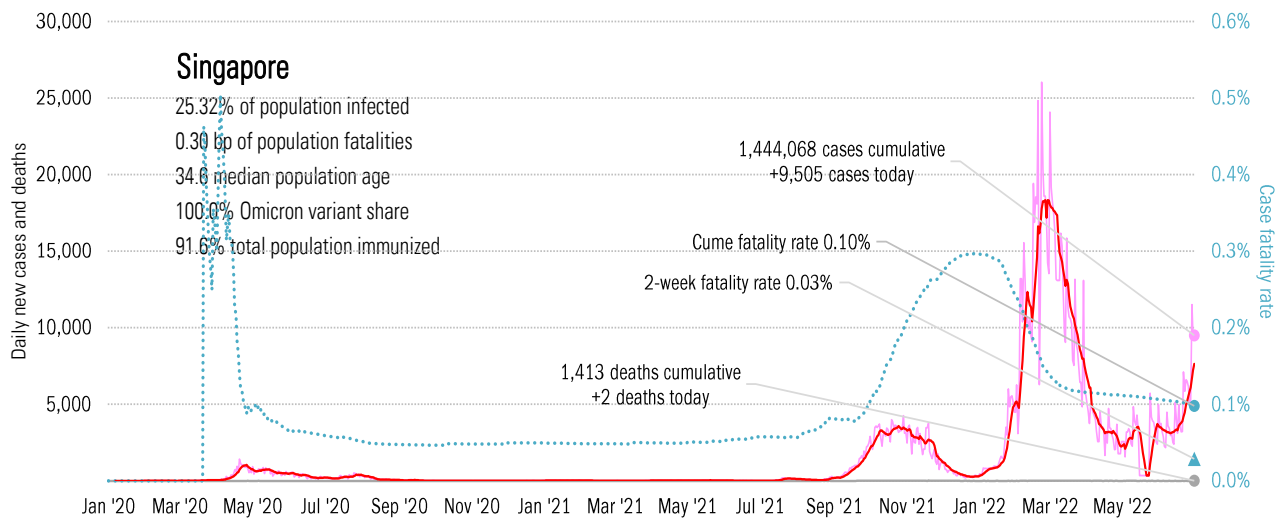
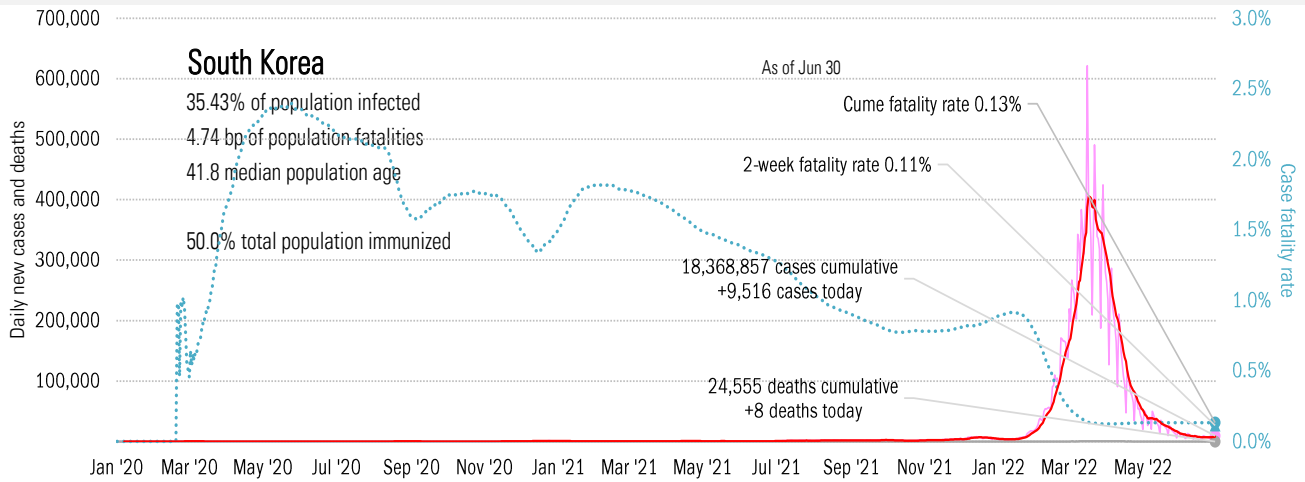
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

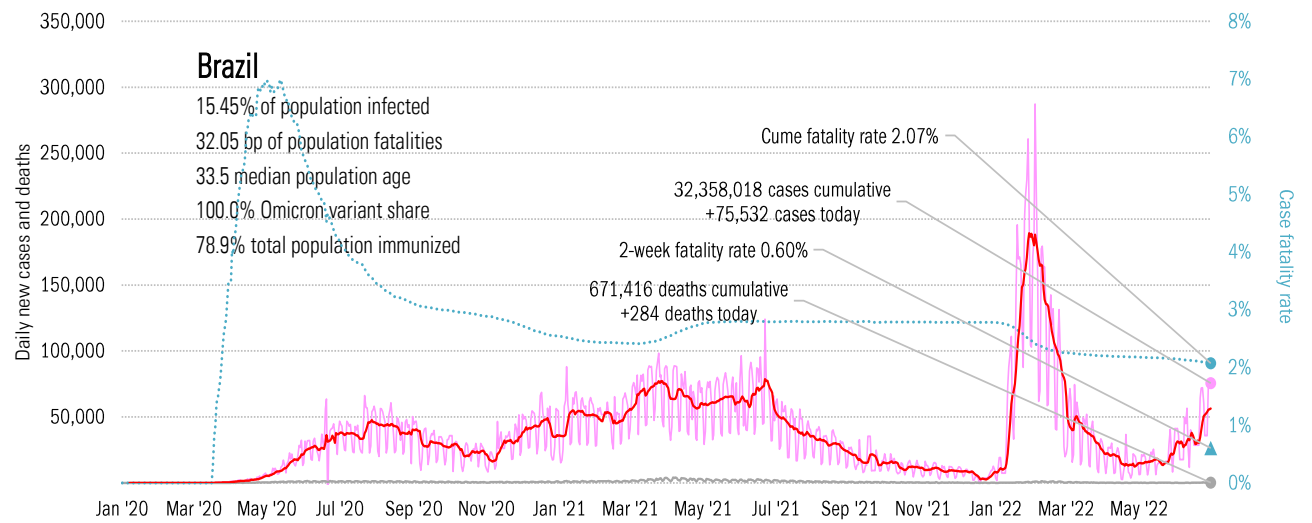
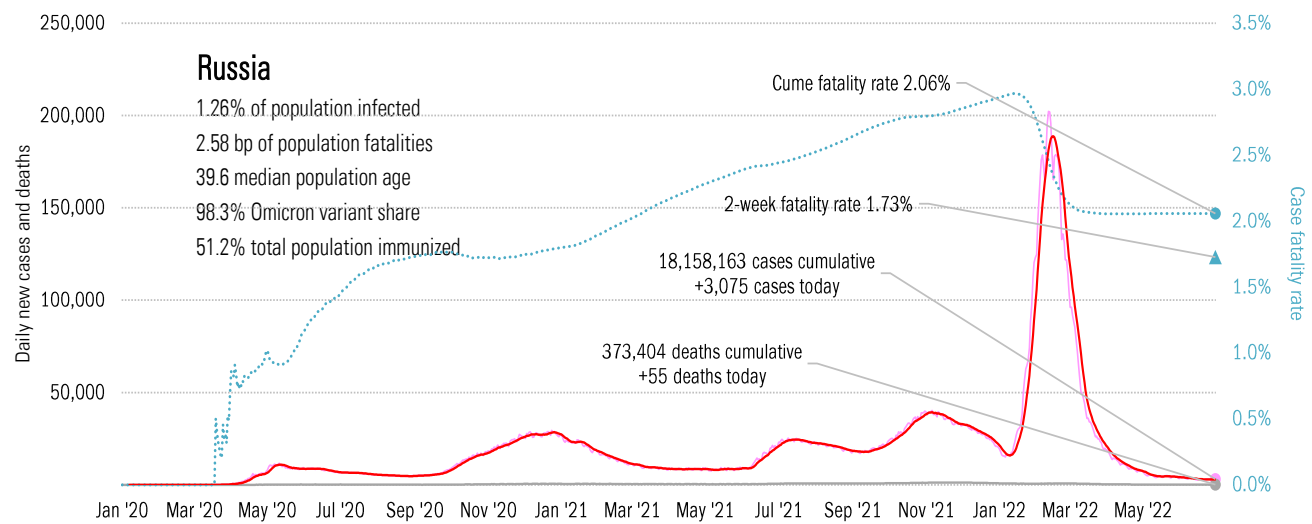
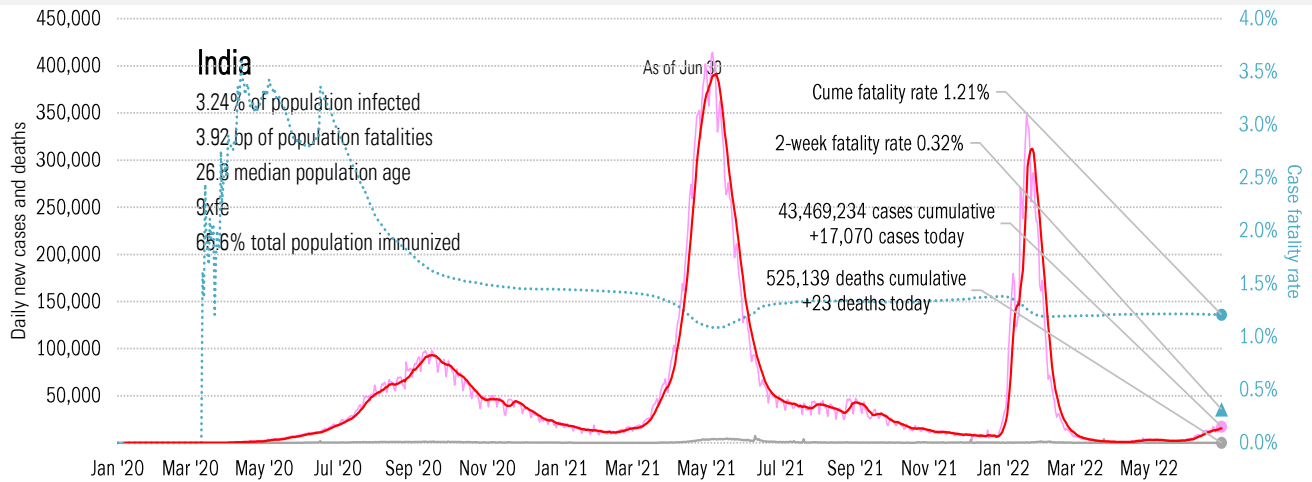
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

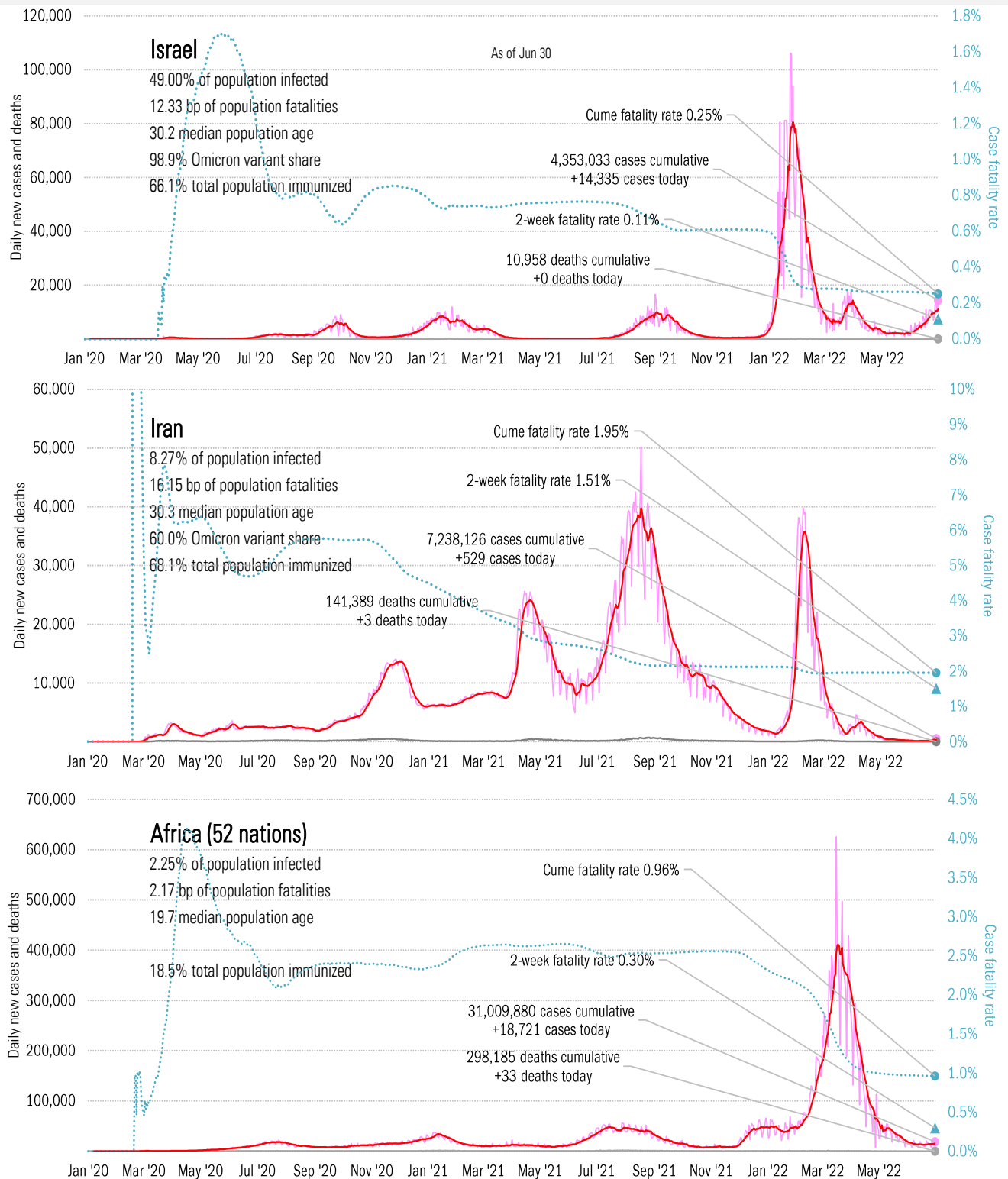
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

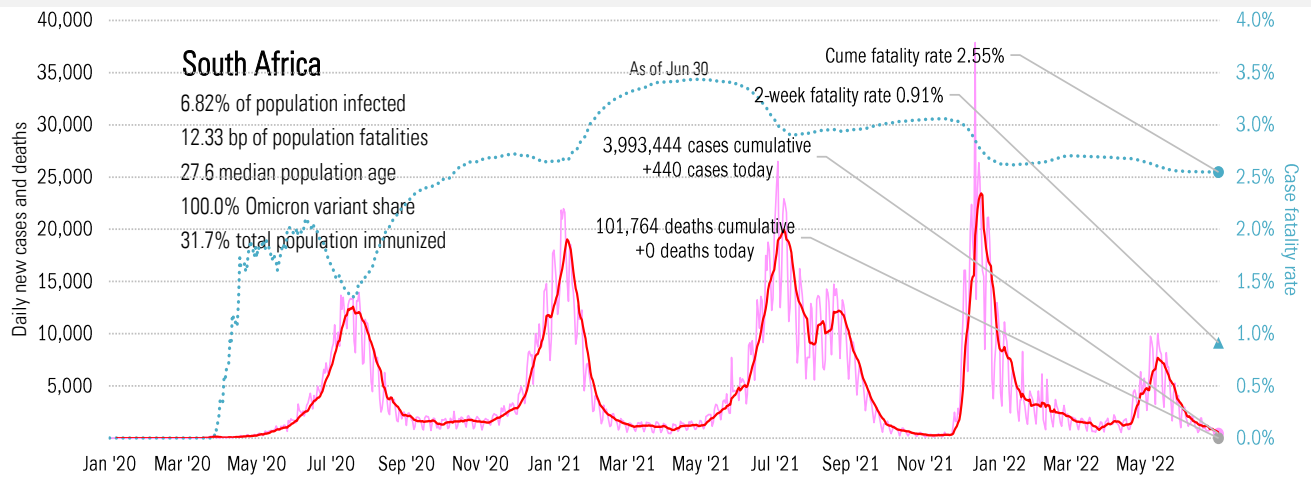
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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