

## Data Insights: Covid-2019 Monitor

Friday, August 12, 2022

### The global scorecard

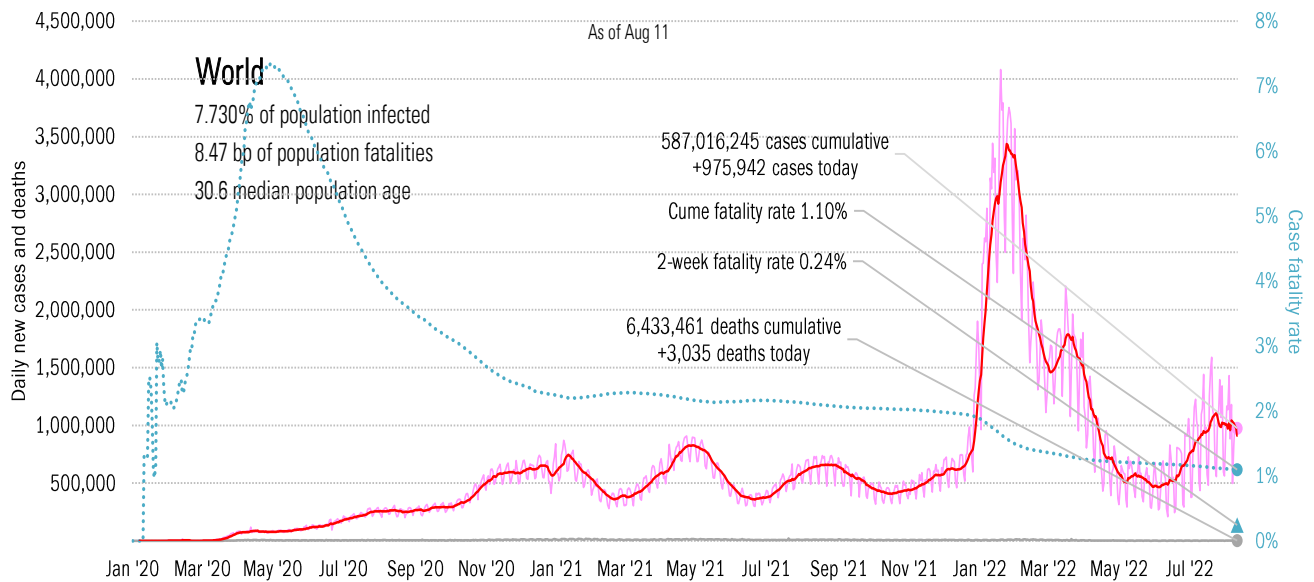
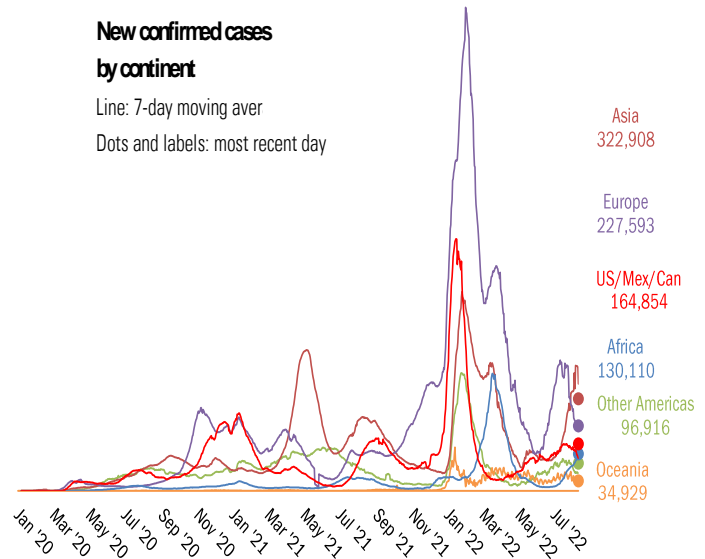
Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Japan	240,109	United States	566
United States	199,285	Brazil	475
Korea, South	128,671	Colombia	212
Brazil	58,579	Japan	206
Germany	49,839	Canada	180
Australia	30,527	Germany	167
Italy	28,423	Italy	130
Russia	25,539	Australia	122
France	24,331	Finland	99
Taiwan*	22,874	Sweden	95
<b>808,177</b>		<b>2,251</b>	
World	975,942	World	3,035
Top ten	83%	Top ten	74%

#### New confirmed cases by continent

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



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

#### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

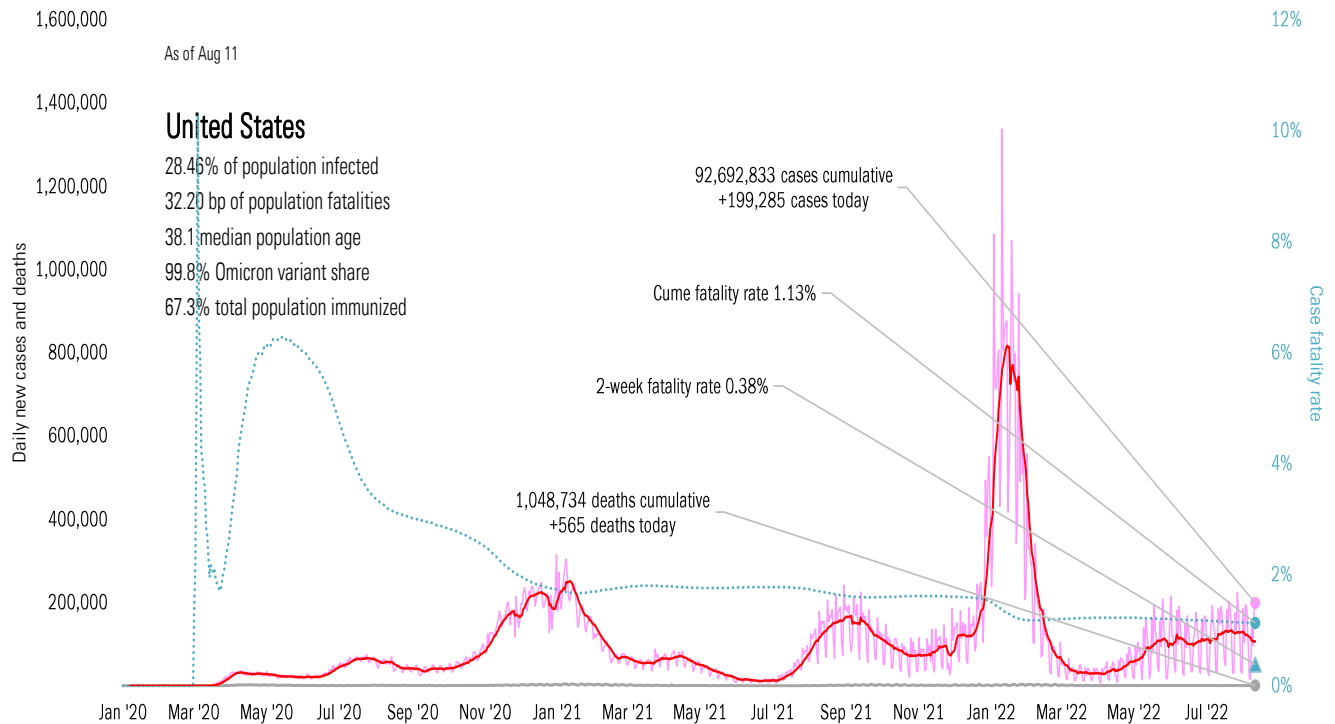
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use									
CH	26,016		FL	89		TX	666		CA	10,865,618		CA	93,981		TX	528,018		MT	127%	VT	88%								
PA	19,078		AL	52		WI	131		TX	7,684,975		TX	89,727		CA	477,984		RI	90%	AK	85%								
TX	15,818		WA	50		PA	226		FL	6,880,867		FL	78,381		FL	472,589		MA	88%	TX	84%								
AL	13,354		NY	48		KY	131		NY	5,895,283		NY	70,658		NY	284,968		GA	85%	AL	83%								
MN	10,240		IN	33		MN	94		IL	3,617,142		PA	46,374		GA	218,201		MN	85%	NH	83%								
MA	9,882		TX	28		IL	264		PA	3,125,967		GA	39,319		CH	208,302		WA	84%	WA	83%								
WA	8,206		VA	24		LA	147		NC	3,047,625		CH	39,220		PA	194,517		WV	84%	MA	83%								
FL	7,947		CA	23		WA	85		CH	3,002,043		IL	39,079		IL	177,702		MO	84%	NC	82%								
NY	7,576		GA	21		SC	114		GA	2,803,517		MI	37,671		MI	155,239		MD	83%	GA	80%								
KS	6,340		IL	20		OK	103		MI	2,708,622		NJ	34,385		KY	140,184		DE	82%	DC	79%								
124,457			388			1,961			49,631,659			568,795			2,857,704														
All states			199,285			565			6,272			All states			92,692,833			1,048,734			5,185,638			All states		70%		67%	
Top ten			62%			69%			31%			Top ten			54%			55%			55%			Median		77%		73%	

Some states not reporting

## Five most improved US states

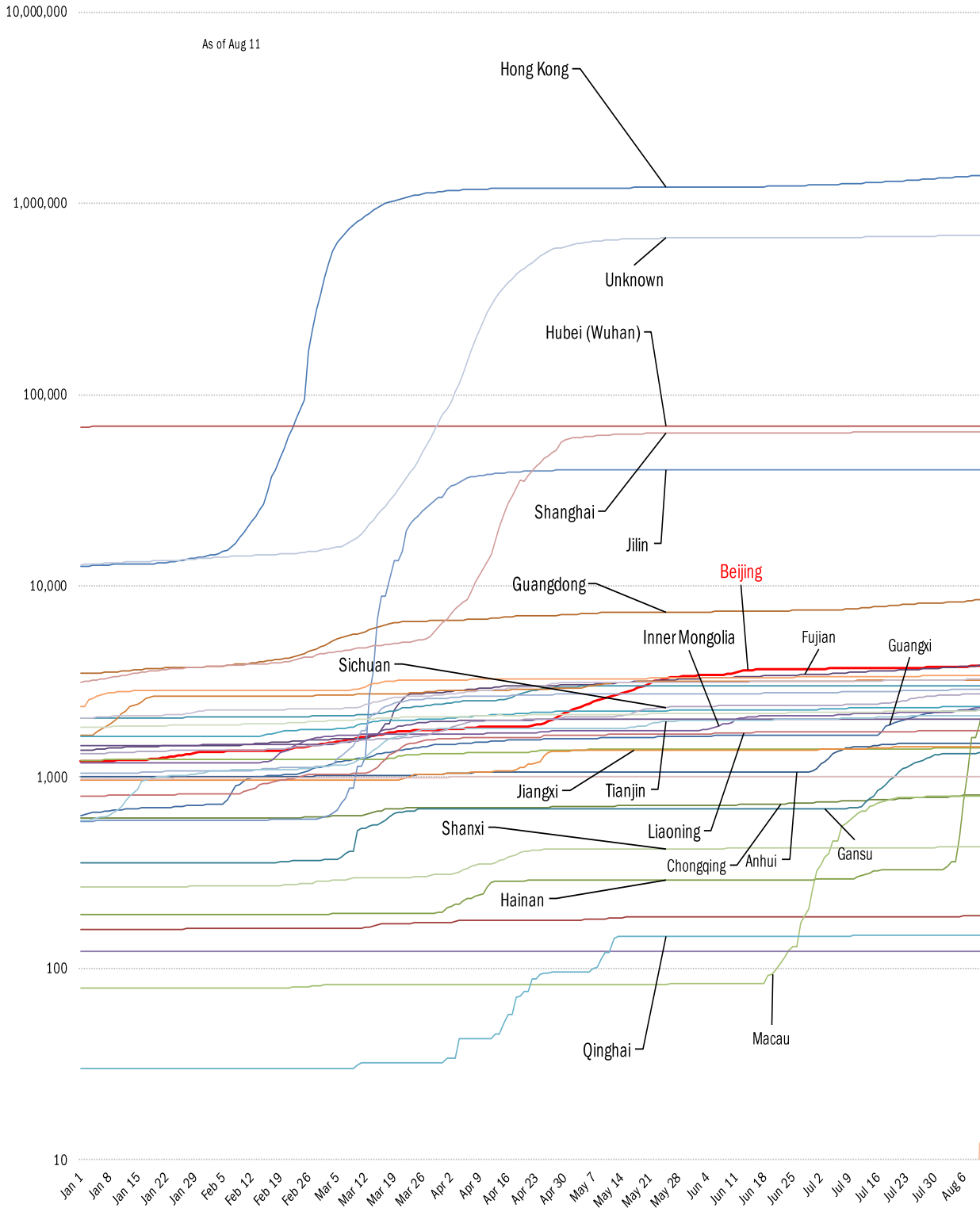
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-1,222	MO	-58	FL	-103
IA	-1,143	MI	-20	MO	-59
MS	-508	NJ	-19	CH	-54
NE	-438	MS	-12	NY	-26
FL	-357	CA	-11	VA	-24



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"*

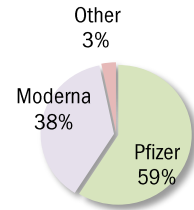


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	621,444,280		+0.283 million		US	67.3%	78.9%
of which boosters	109,972,682		+0.058 million		UK	75.1%	79.9%
	One dose	% Pop	Immune	% pop	New immune today	France	78.6%
Total population	270,117,600	81%	229,954,609	69%	+0.075 million	Spain	85.5%
Age 12 to 17	18,064,522	71%	15,437,321	61%	+0.004 million	Germany	76.0%
Age 18 to 64	180,518,346	89%	153,379,710	75%	+0.053 million	Italy	81.0%
Age 65 and over	59,627,302	100%	52,161,862	95%	+0.006 million	Australia	83.9%
						Israel	66.2%
						Canada	82.6%
						Japan	82.3%
						Africa	21.4%
						India	66.6%
						Brazil	79.8%
						China	89.0%



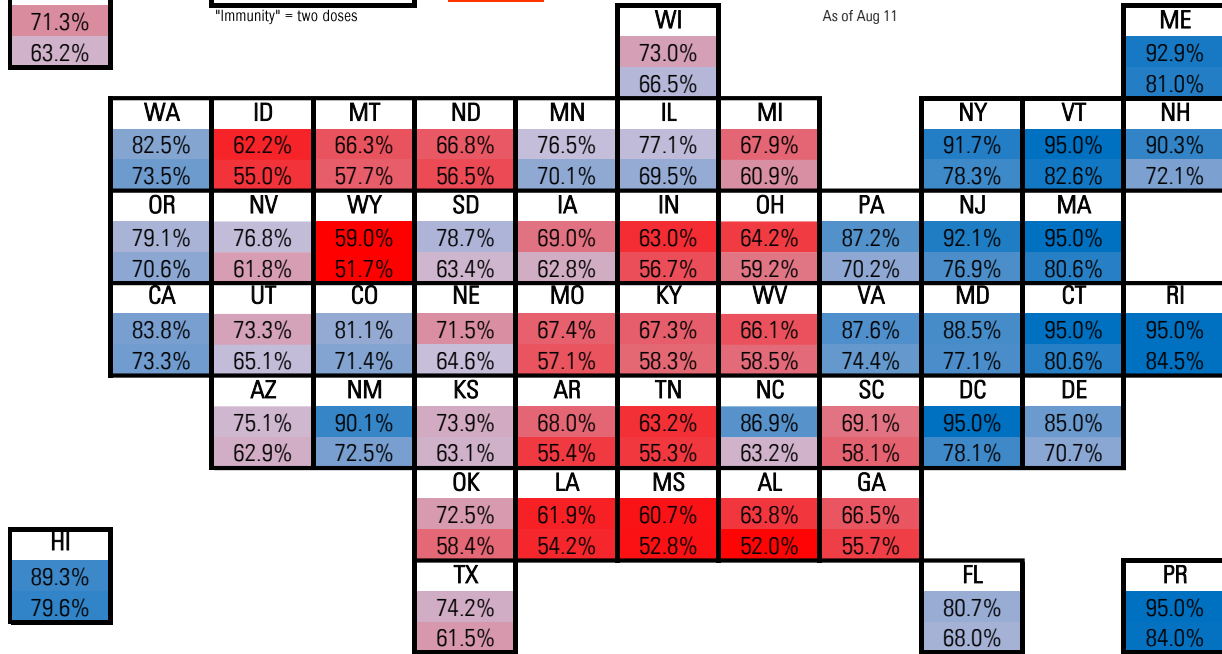
AK	71.3%
	63.2%

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

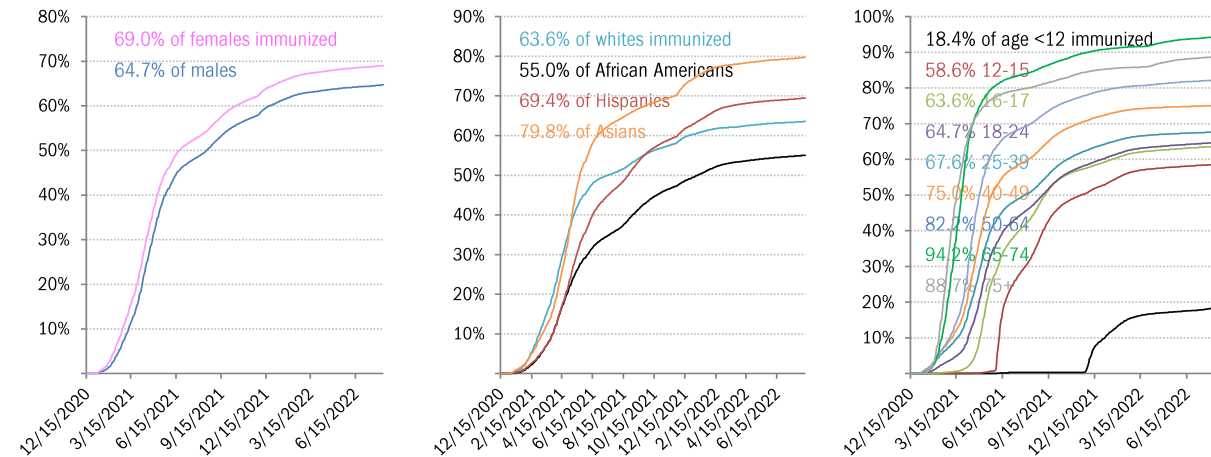
\*Immunity\* = two doses

Best
Middle
Worst

Global data differs due to sources, timing



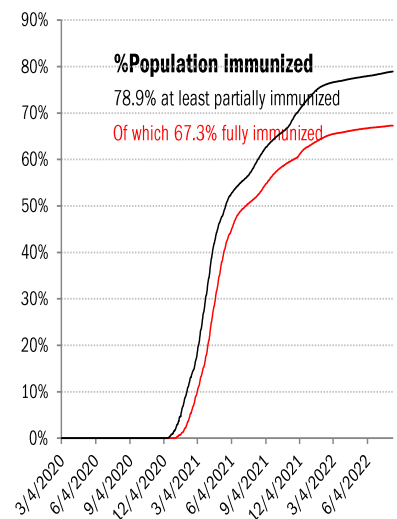
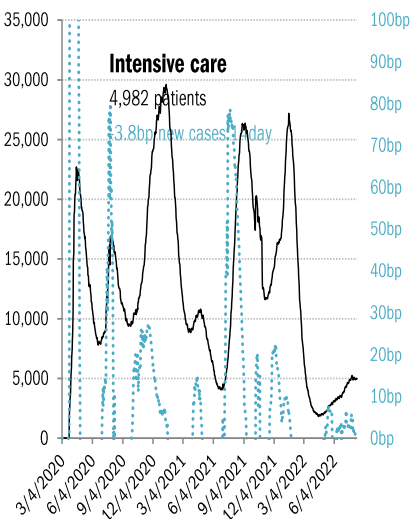
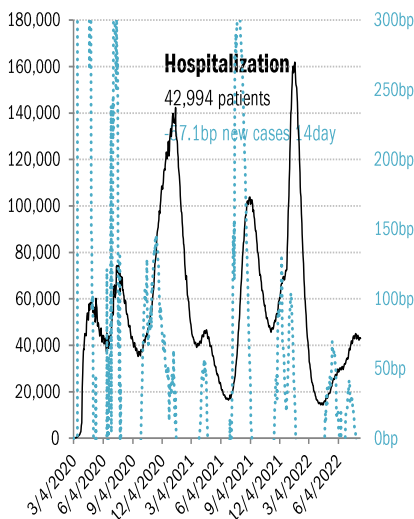
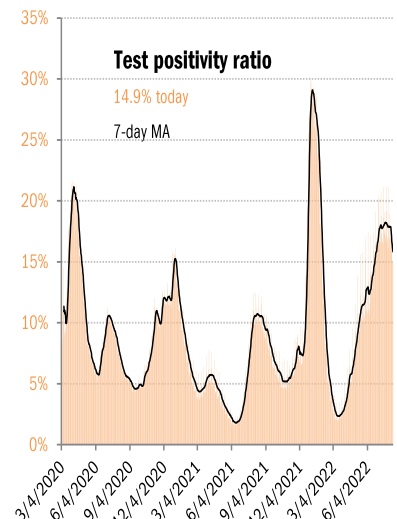
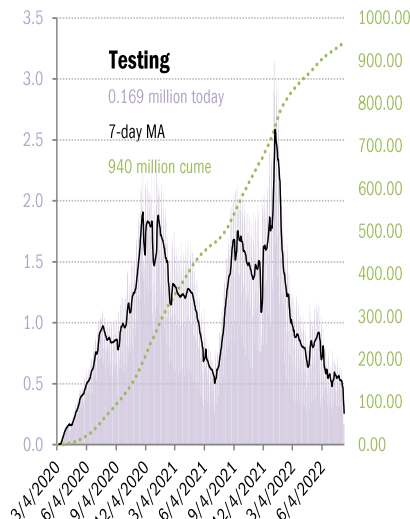
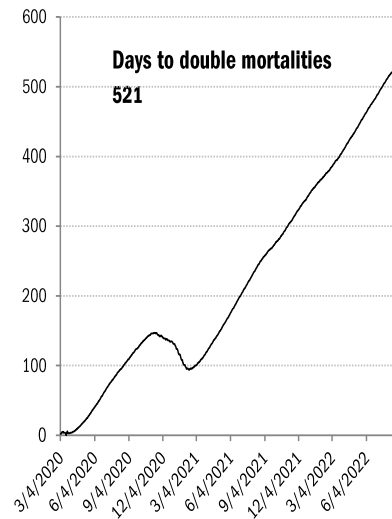
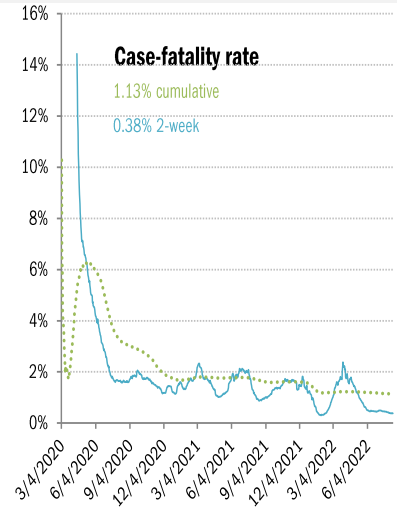
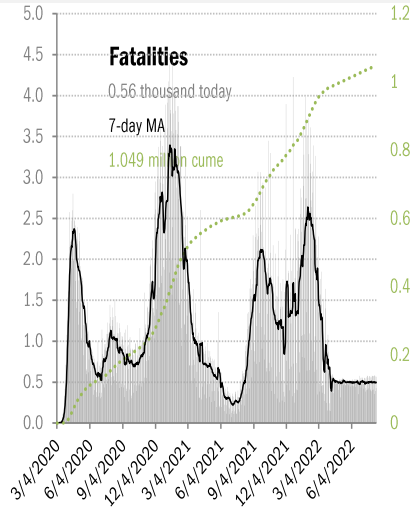
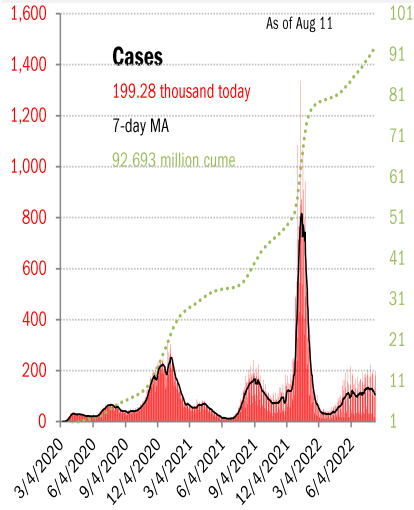
## The demographics of US vaccination



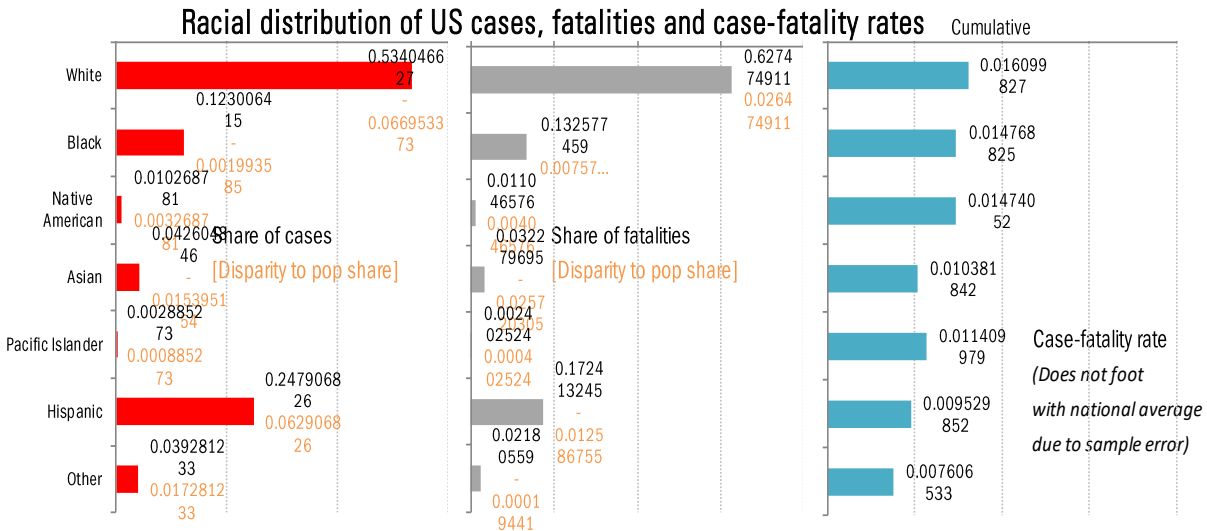
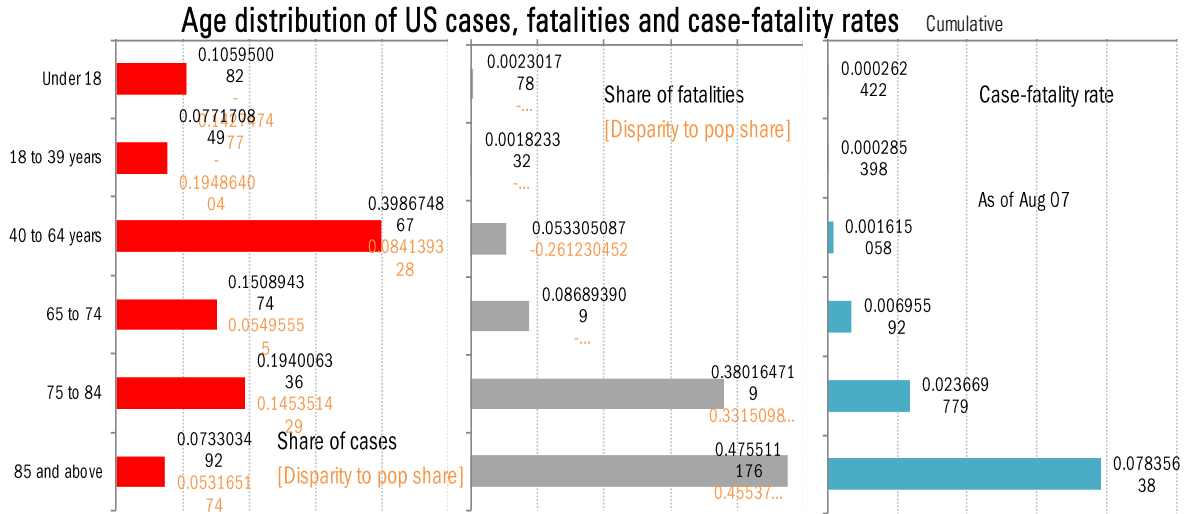
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

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

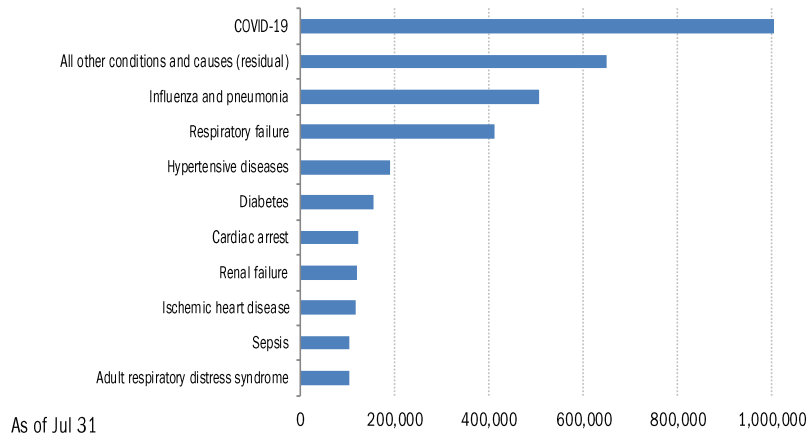


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### Comorbidities

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

[CDC streamlines COVID-19 guidance to help the public better protect themselves and understand their risk](#)

*Centers for Disease Control*  
August 11, 2022

[Distinguishing features of Long COVID identified through immune profiling](#)

Jon Klein et al.  
*medRxiv*  
August 10, 2022

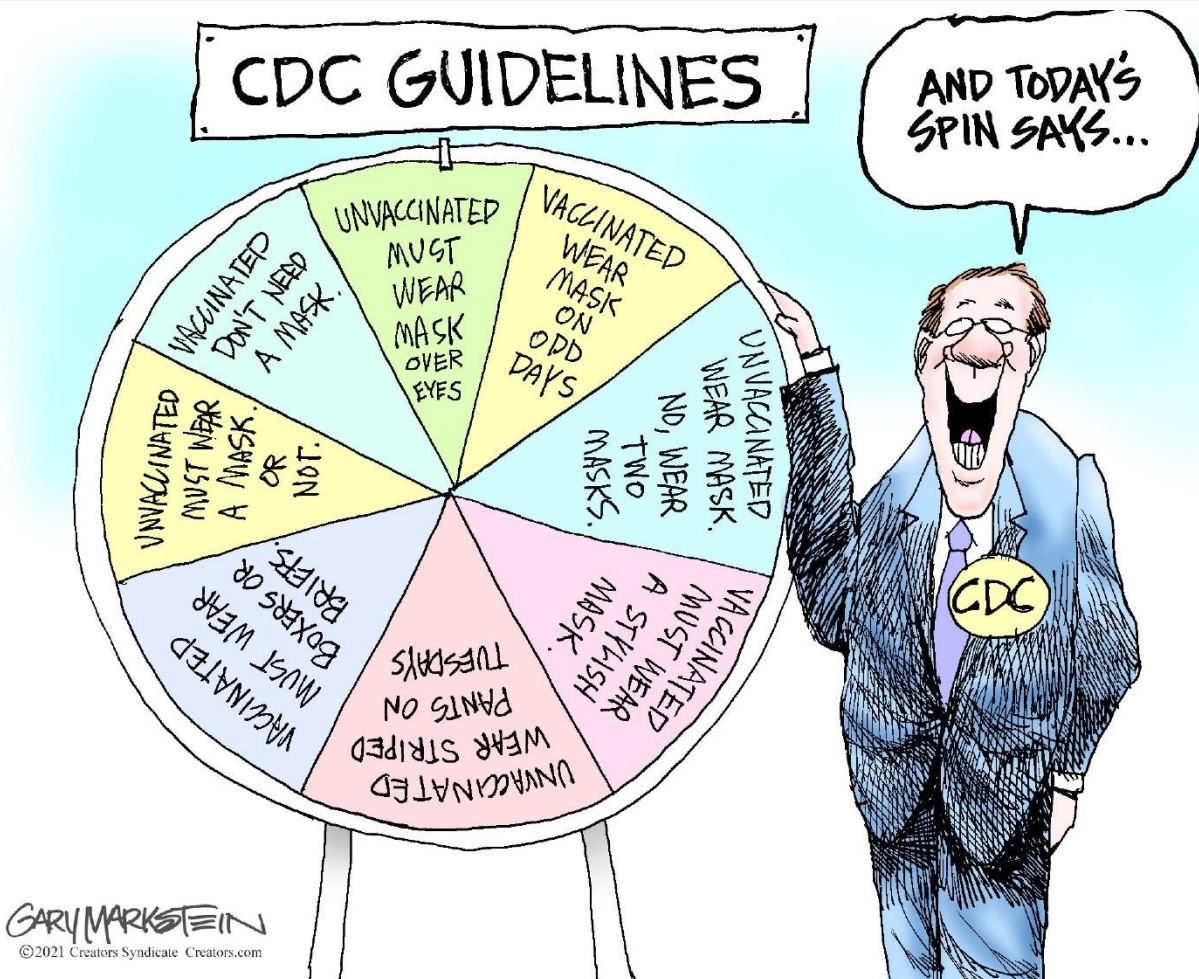
[Dr Fauci booed while throwing first pitch at baseball game](#)

*Sky News Australia*  
August 10, 2022

[Striking Drop in Stress Hormone Predicts Long Covid in Study](#)

Jason Gale  
*Bloomberg*  
August 11, 2022

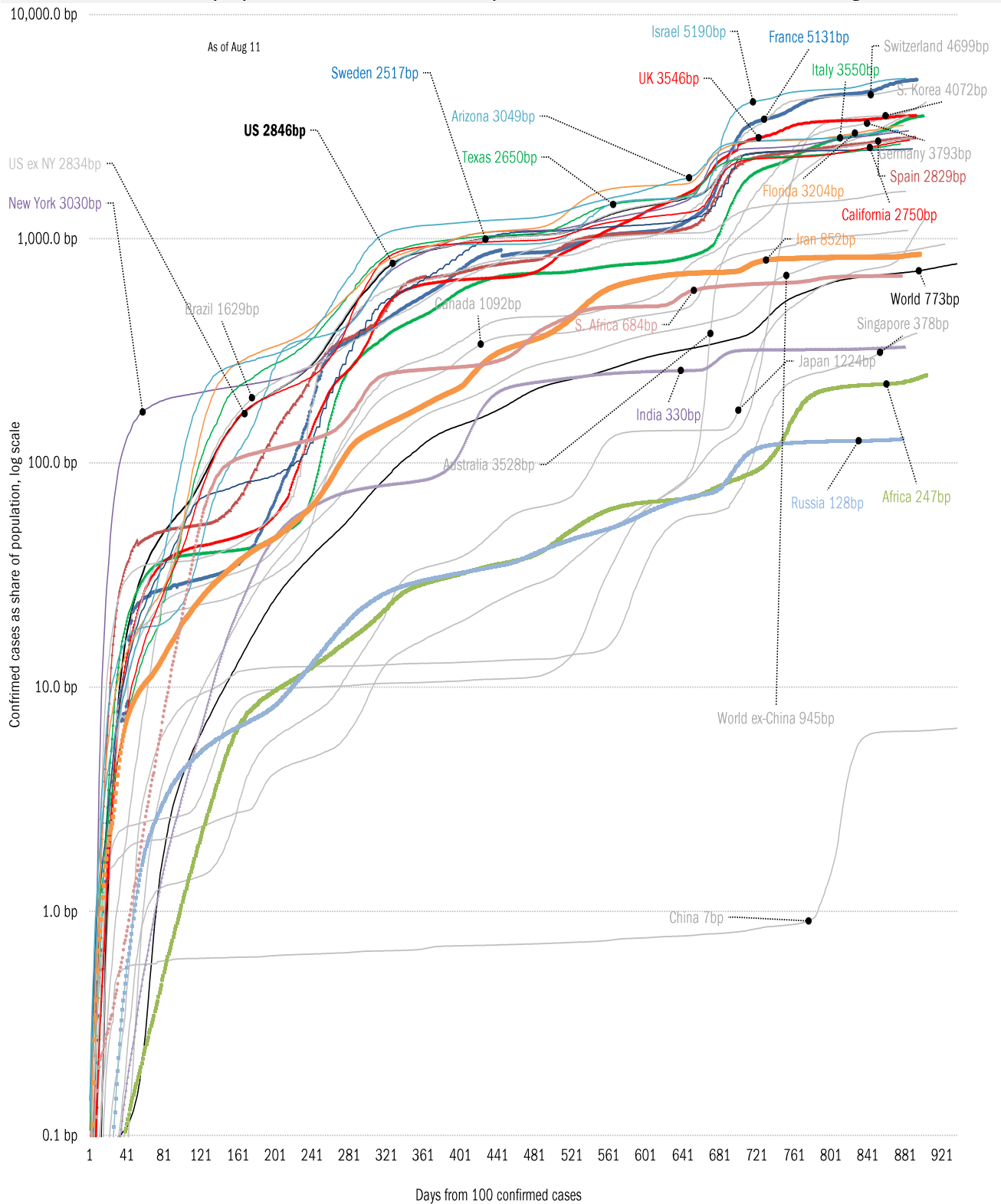
## Meme of the day



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*

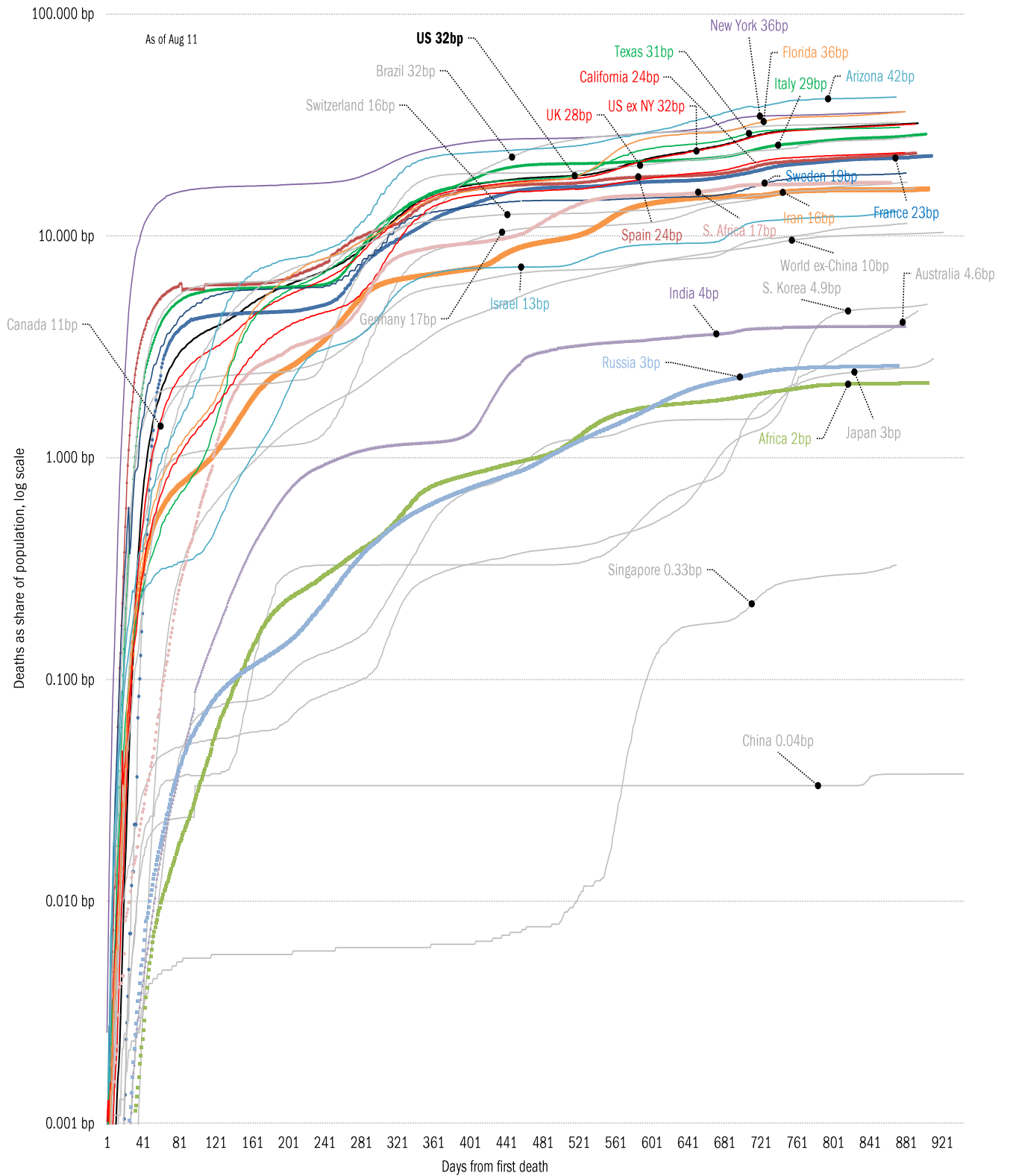


Source: [Johns Hopkins](#), TrendMacro calculations



# The global coronavirus mortality accelerometer ... tracking the world's fatality curves

*Share of deceased population from day of first fatality, log scale*

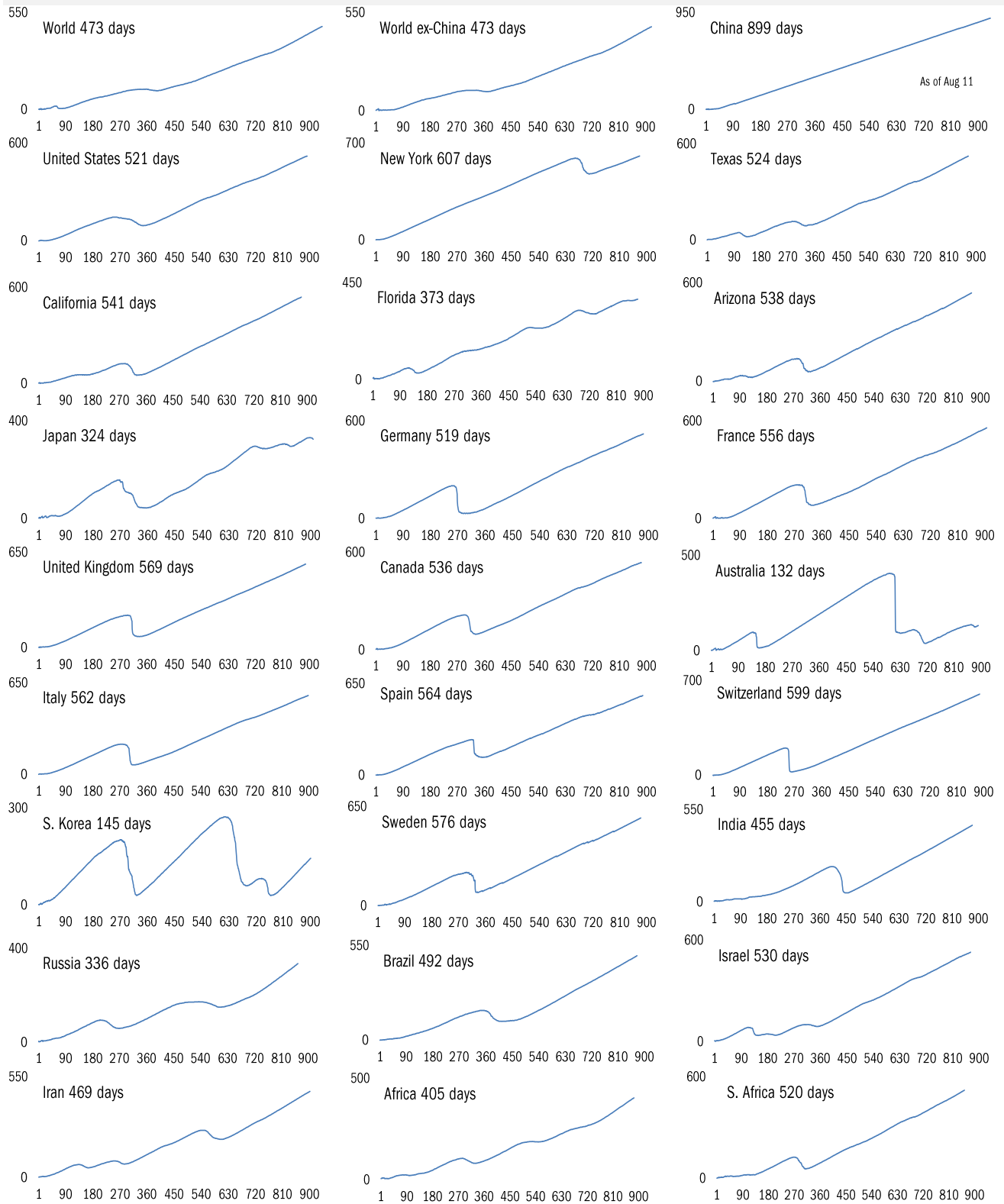


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

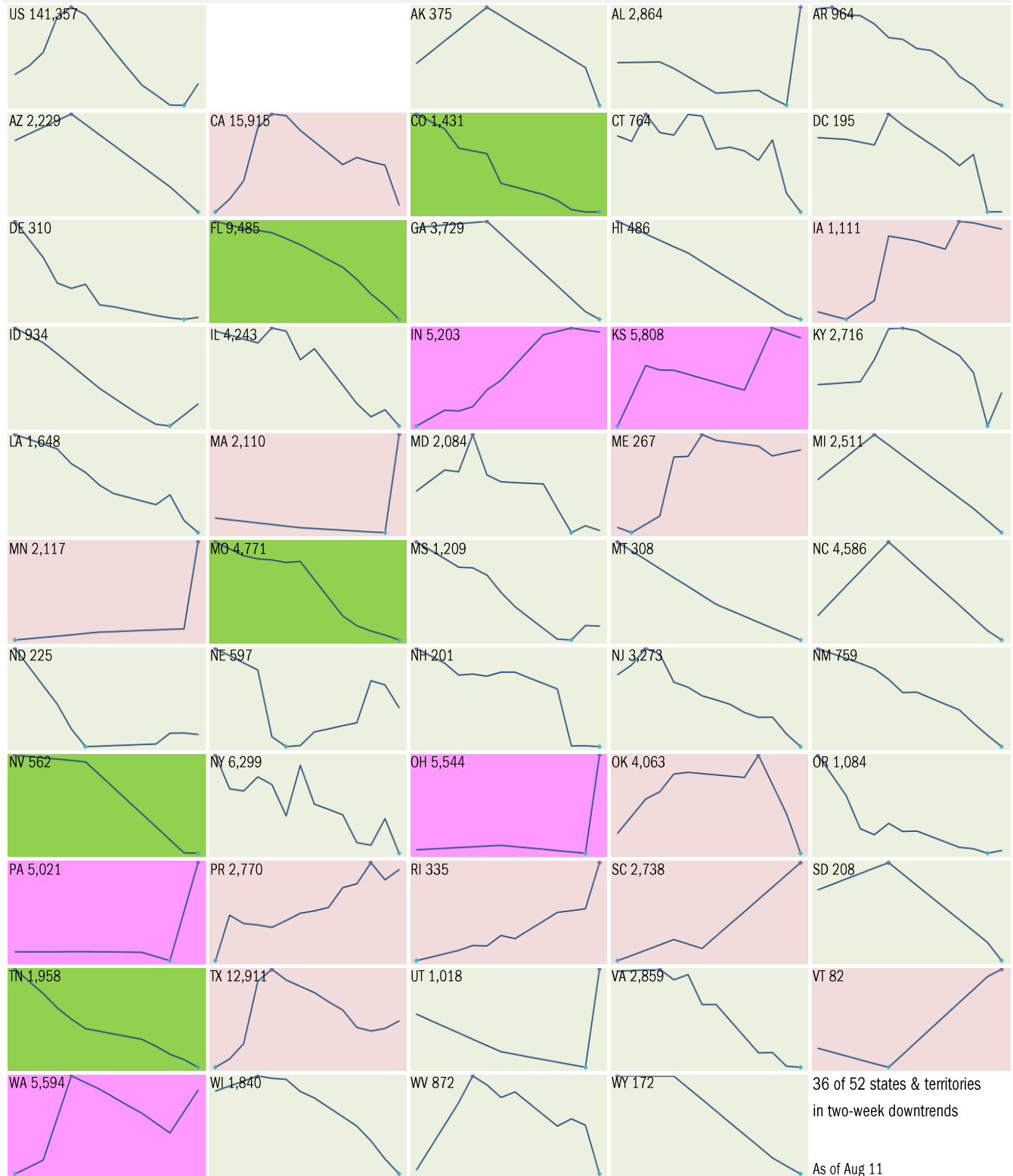


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

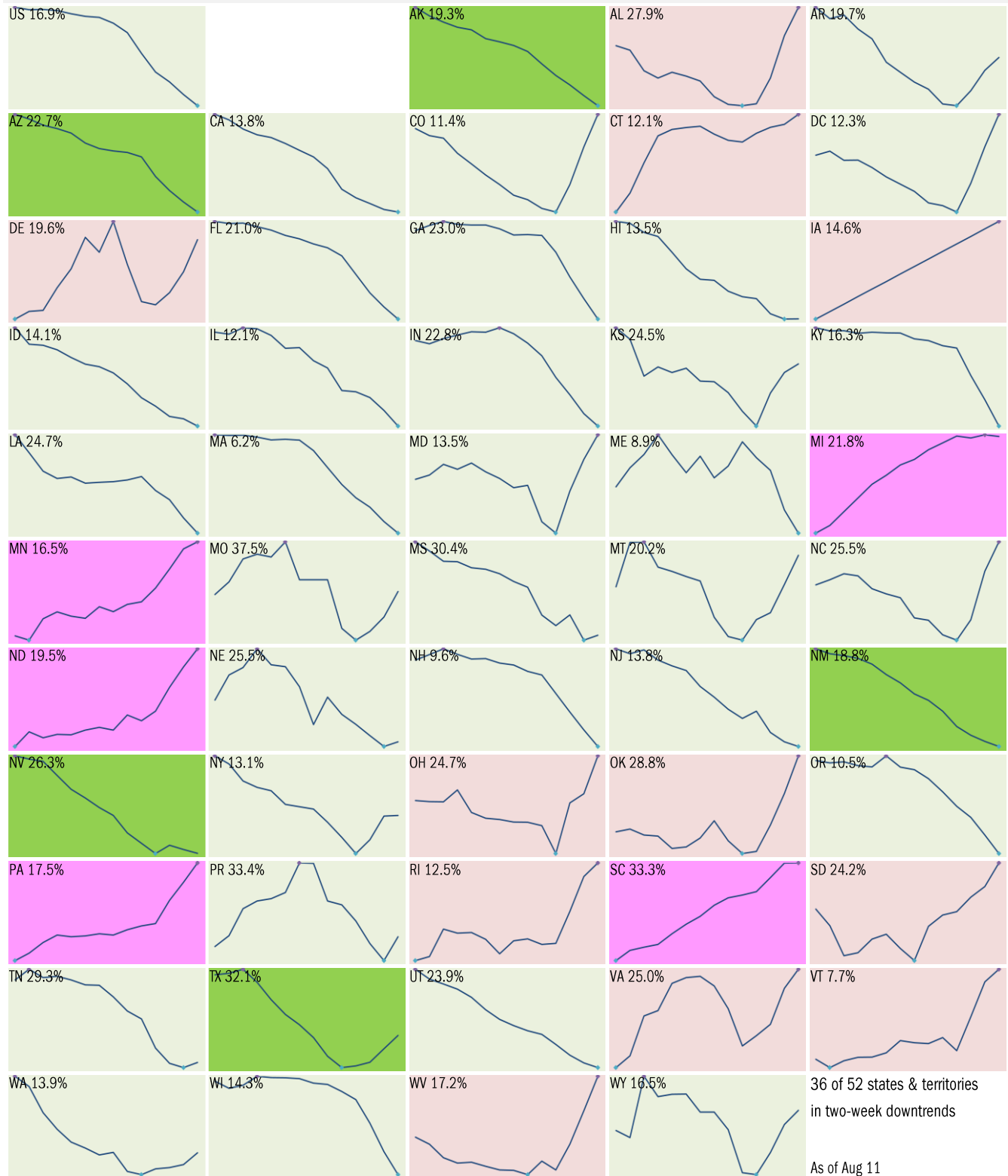


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

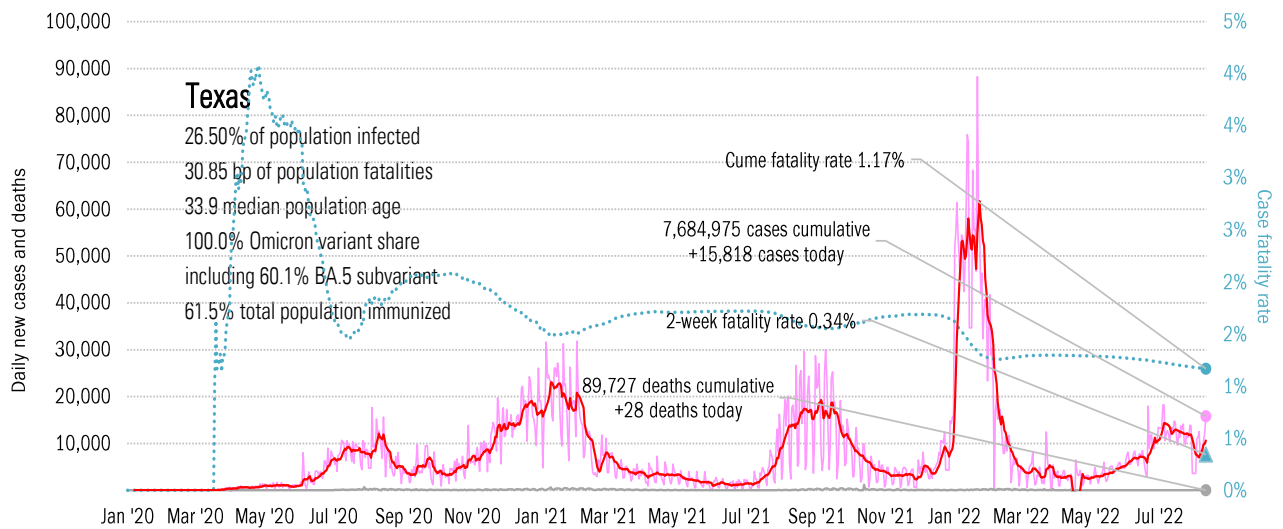
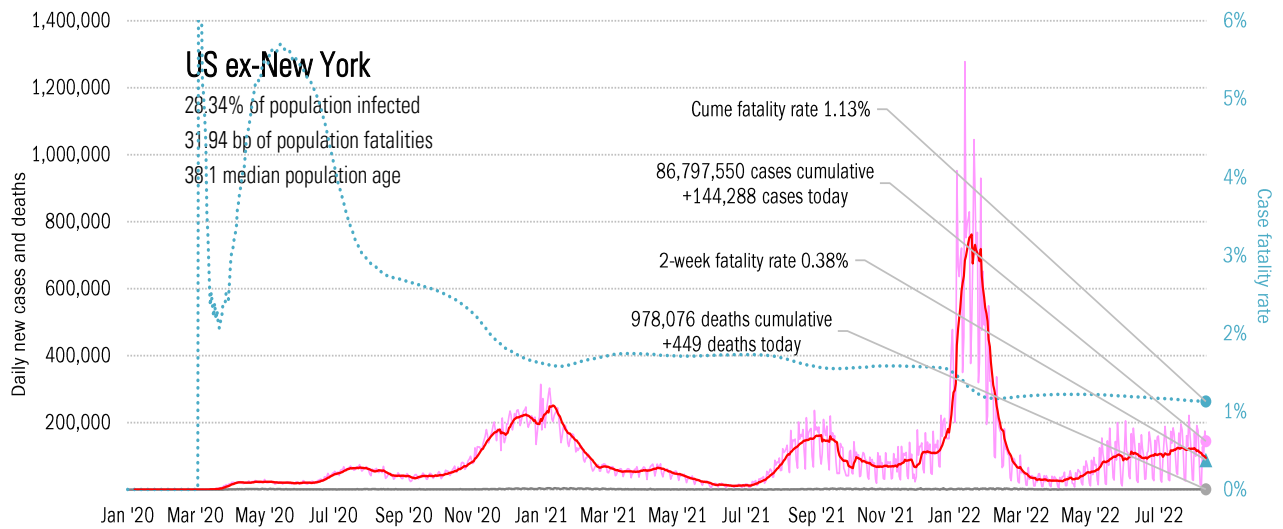
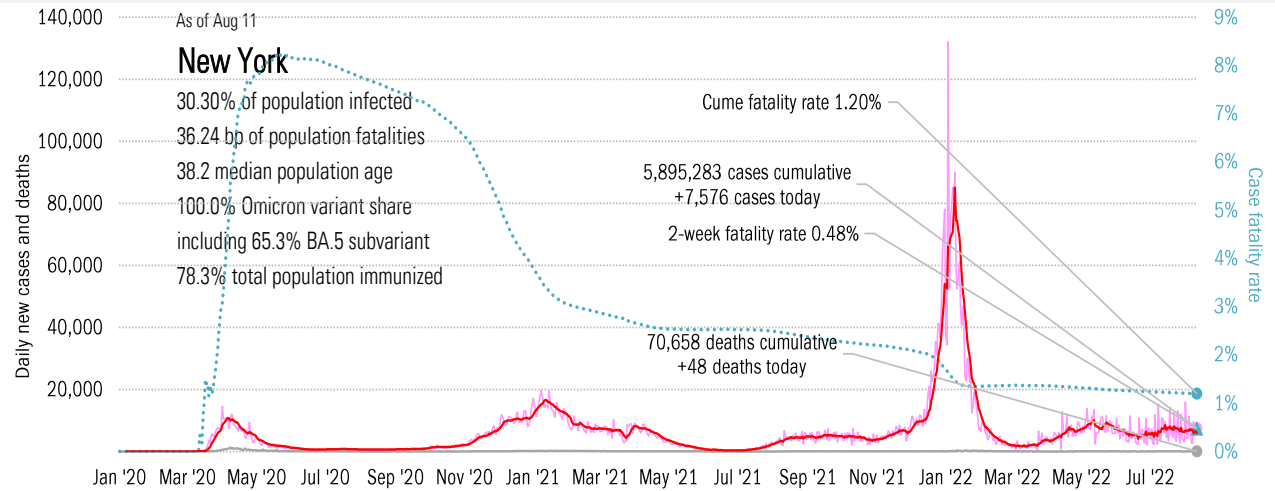
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

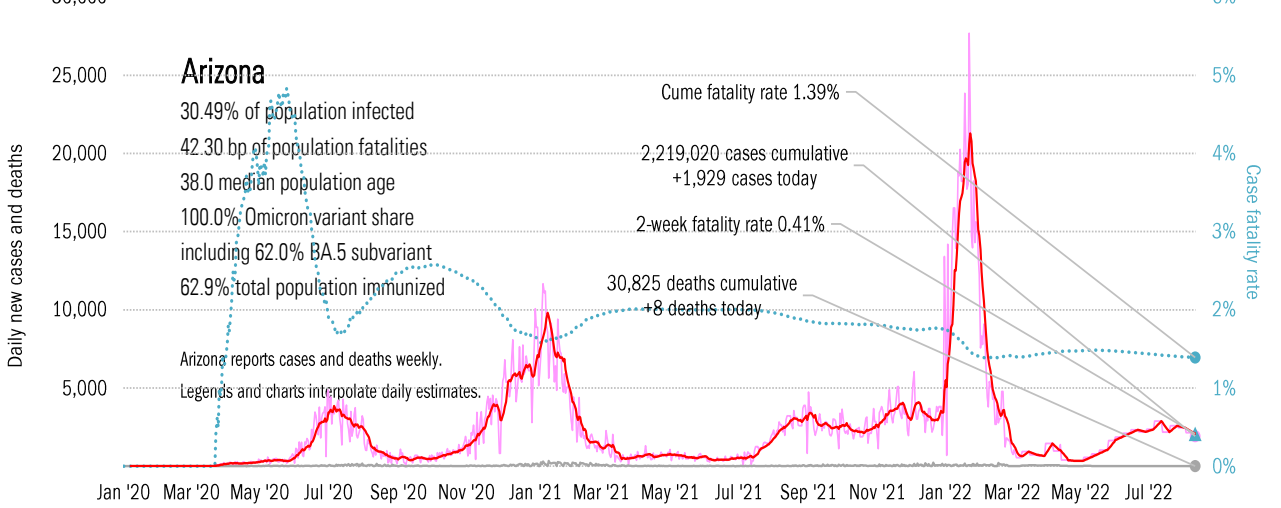
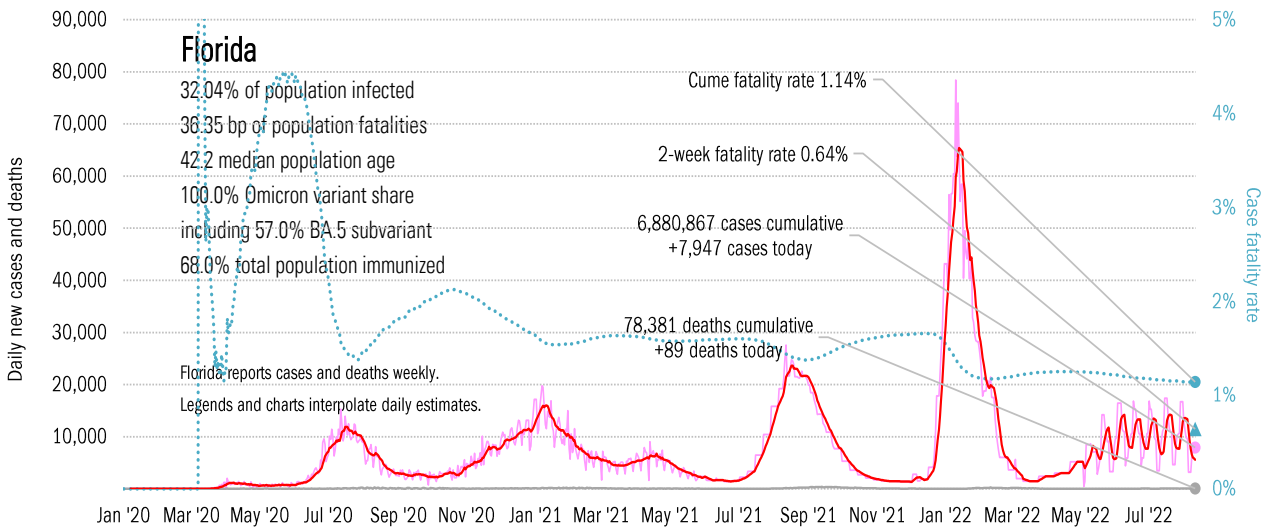
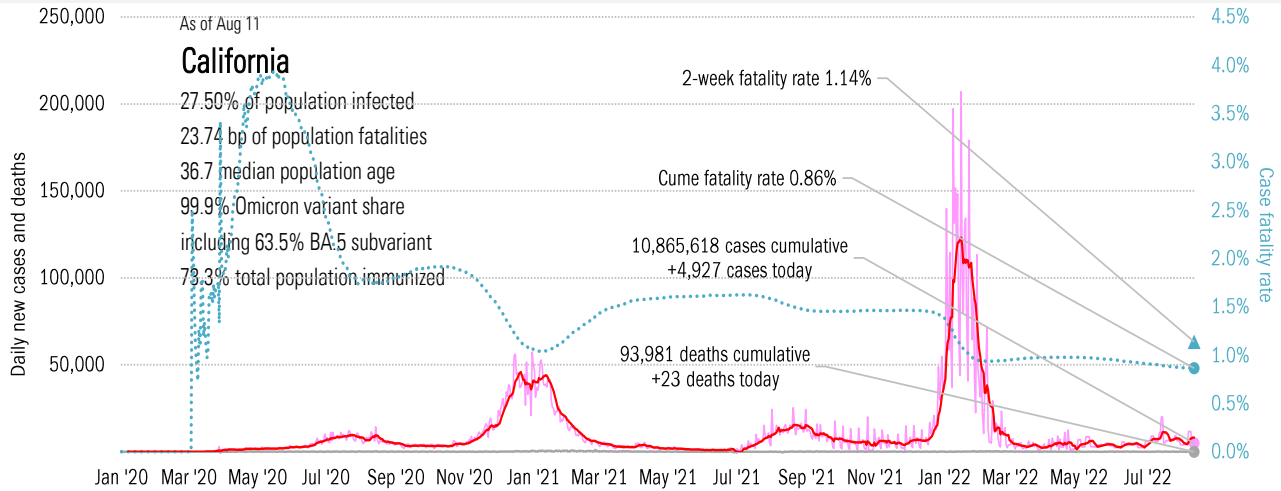
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

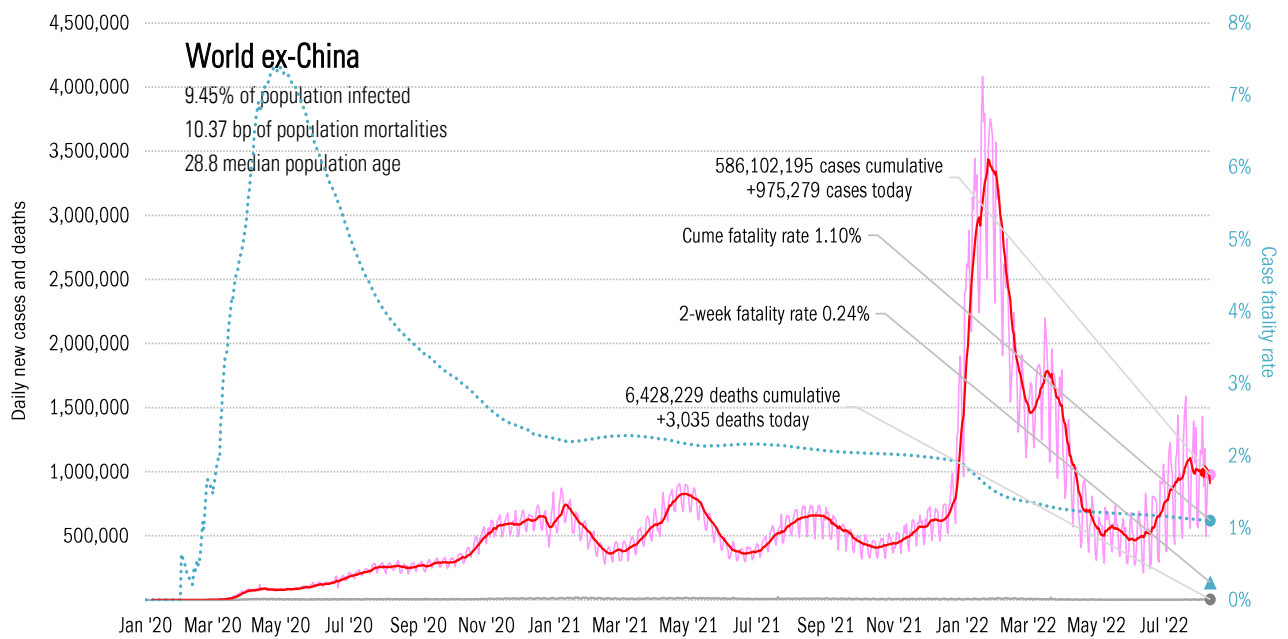
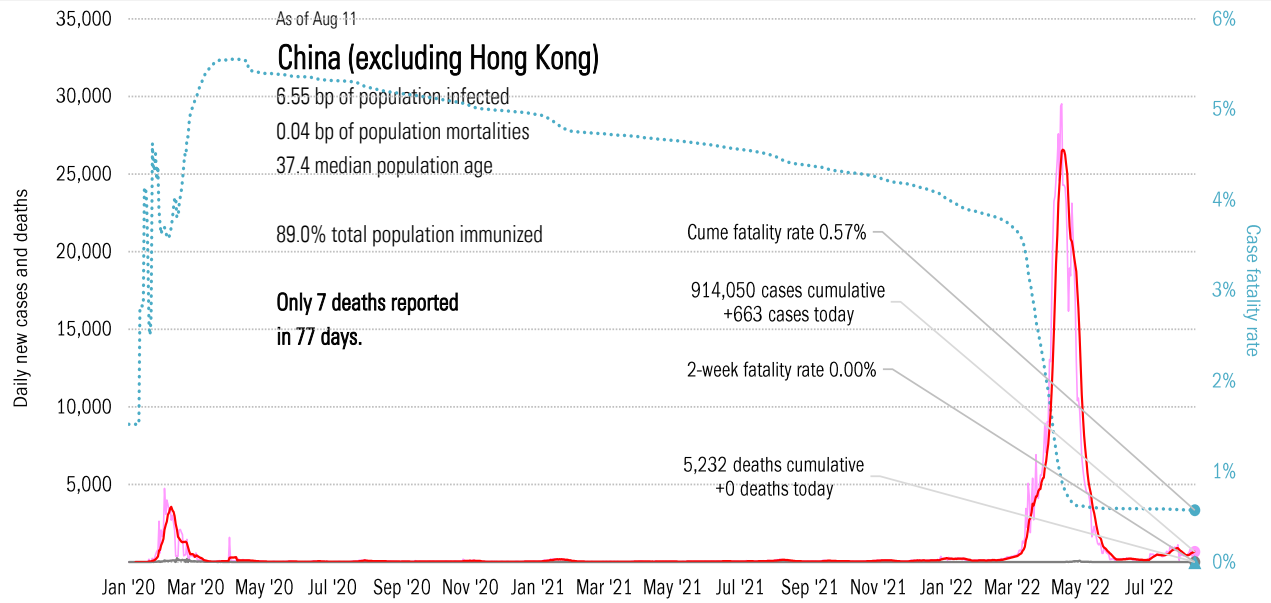
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

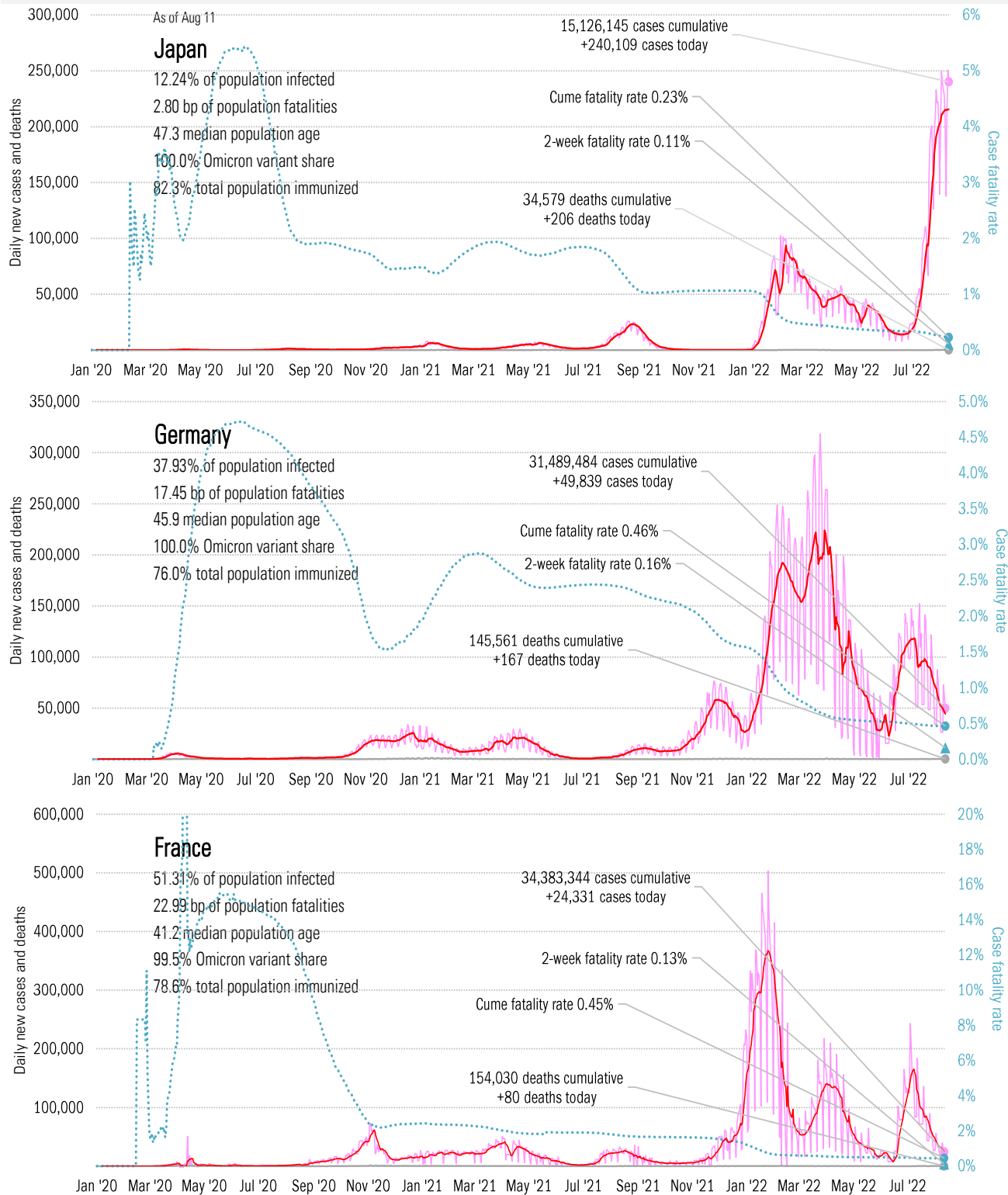
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

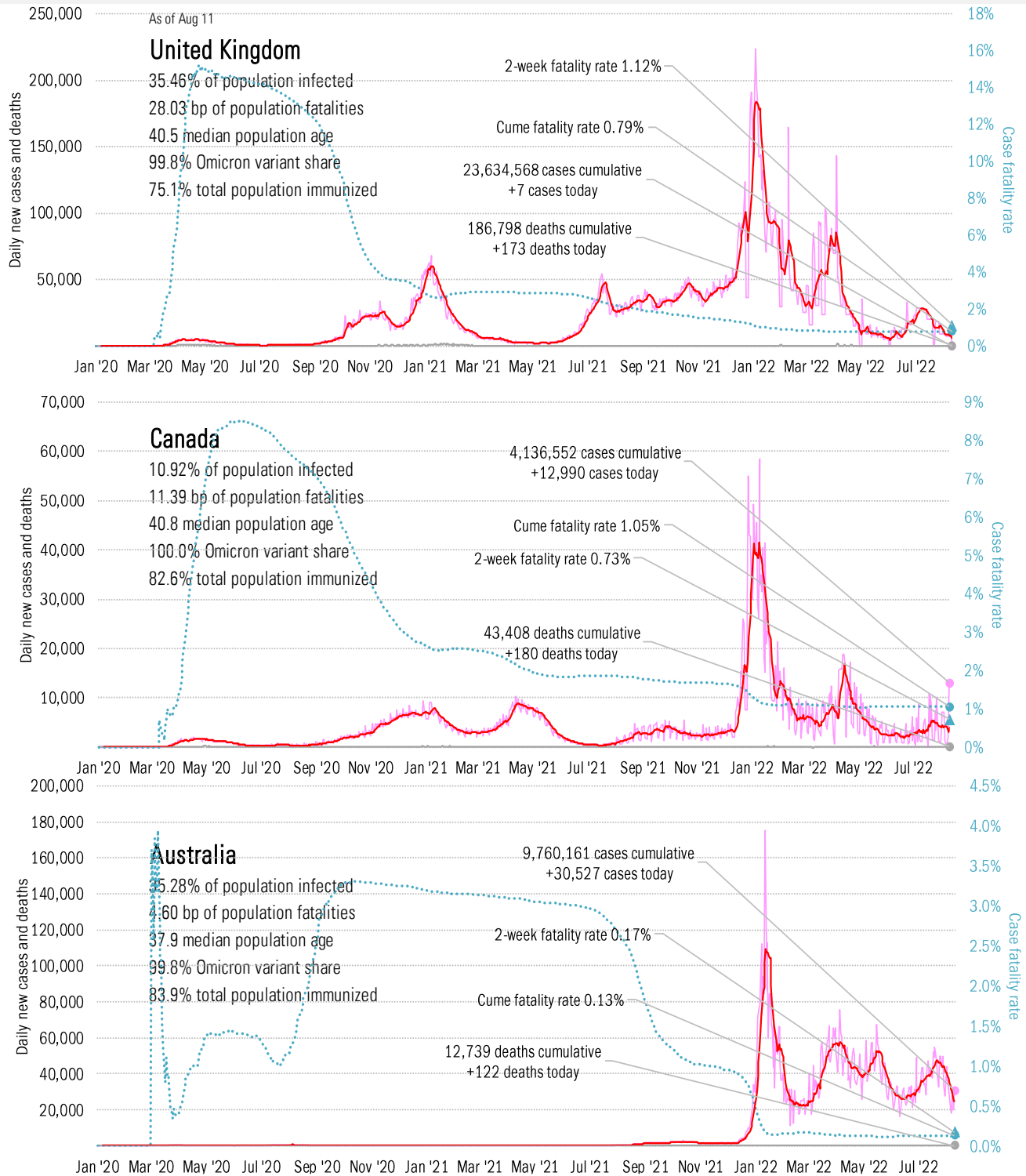


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

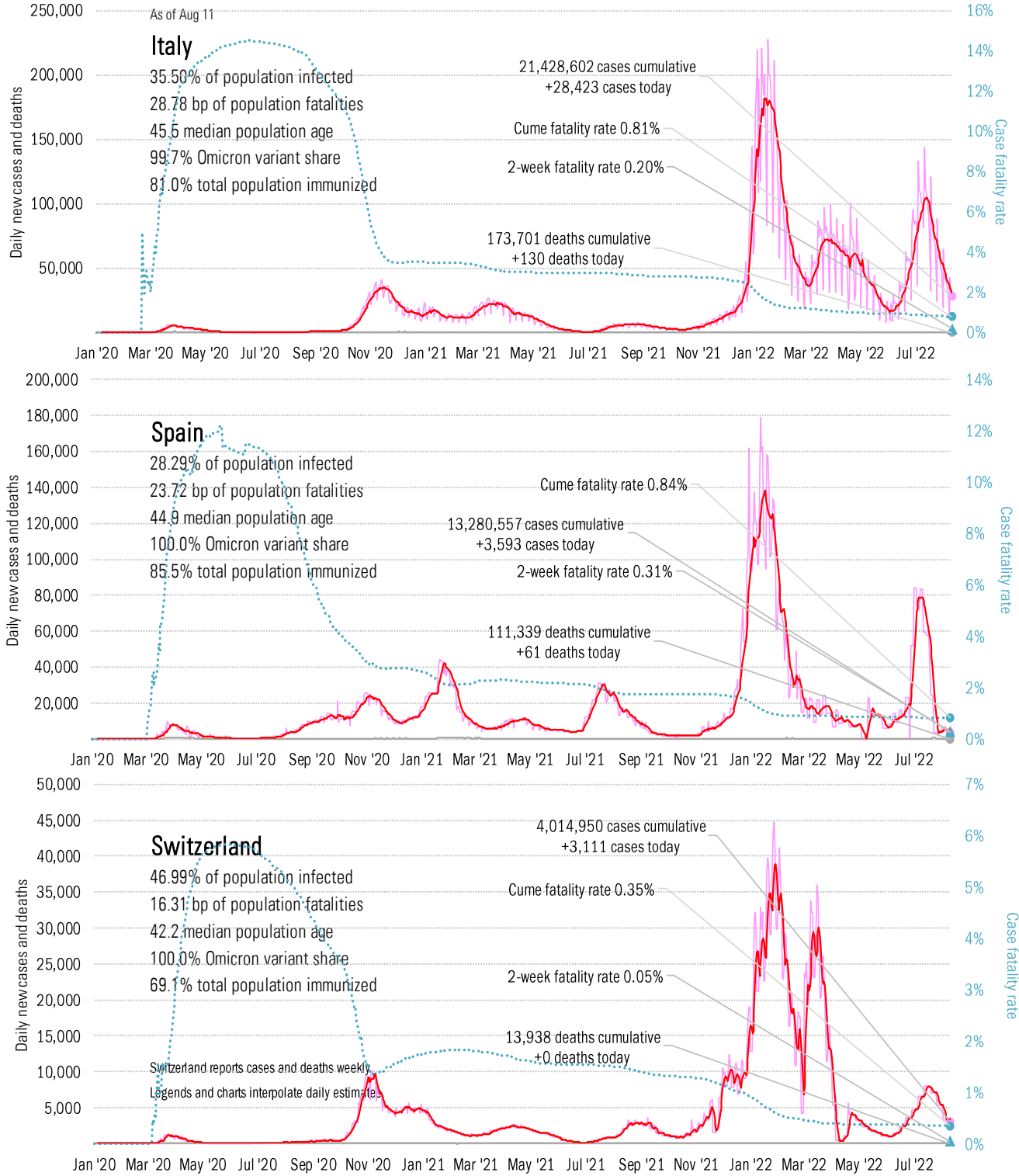
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

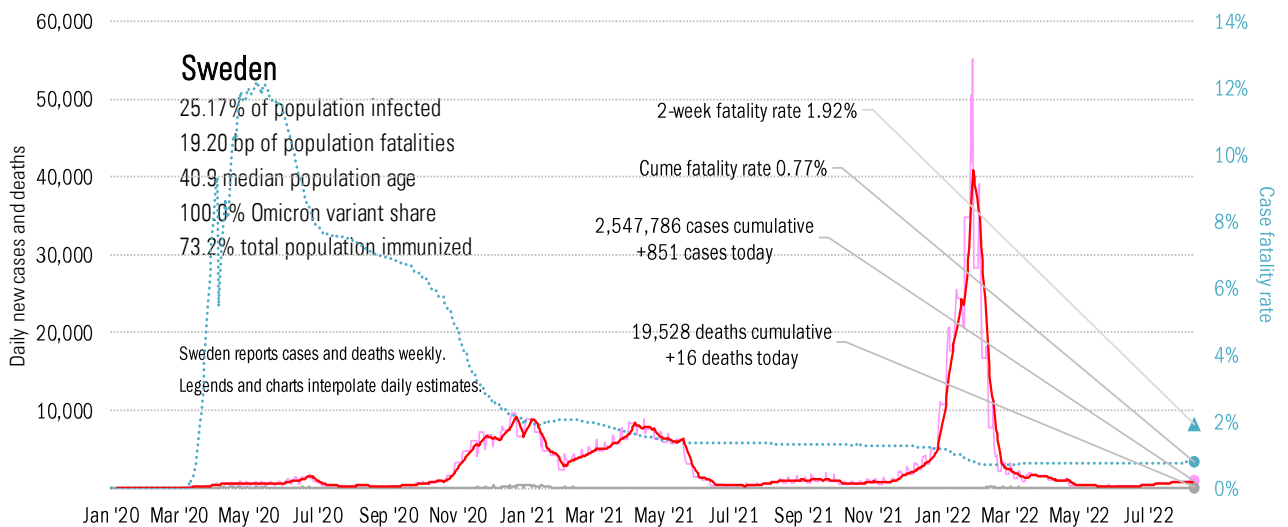
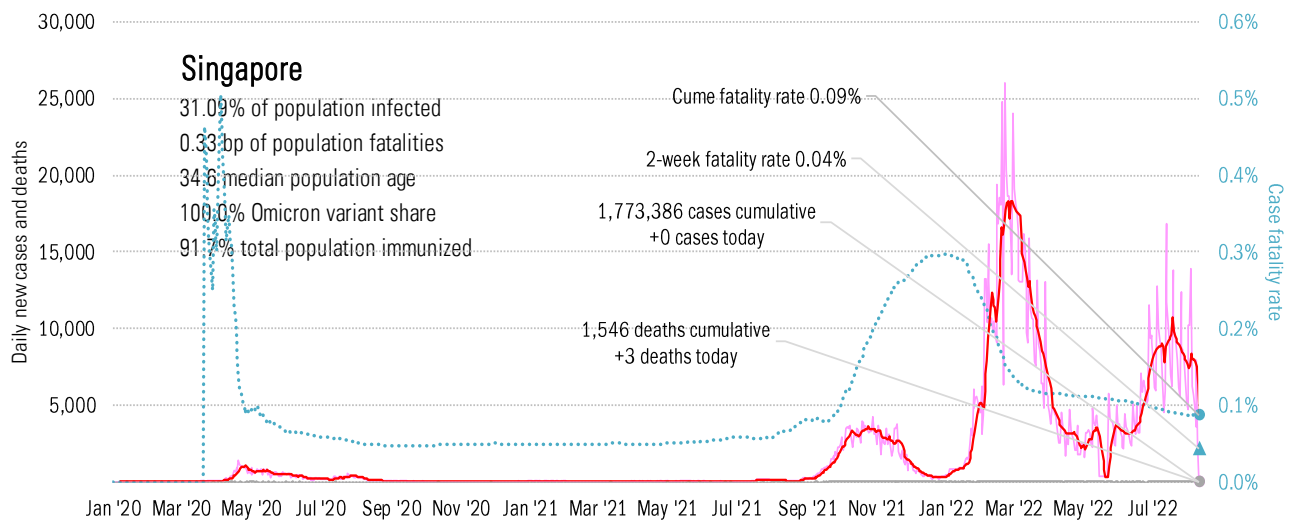
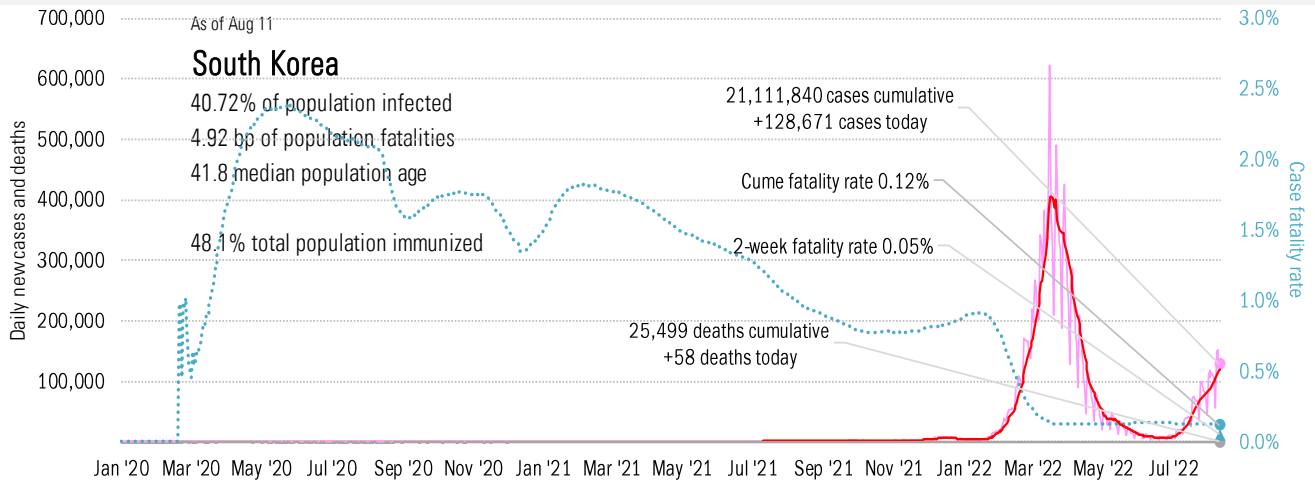
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

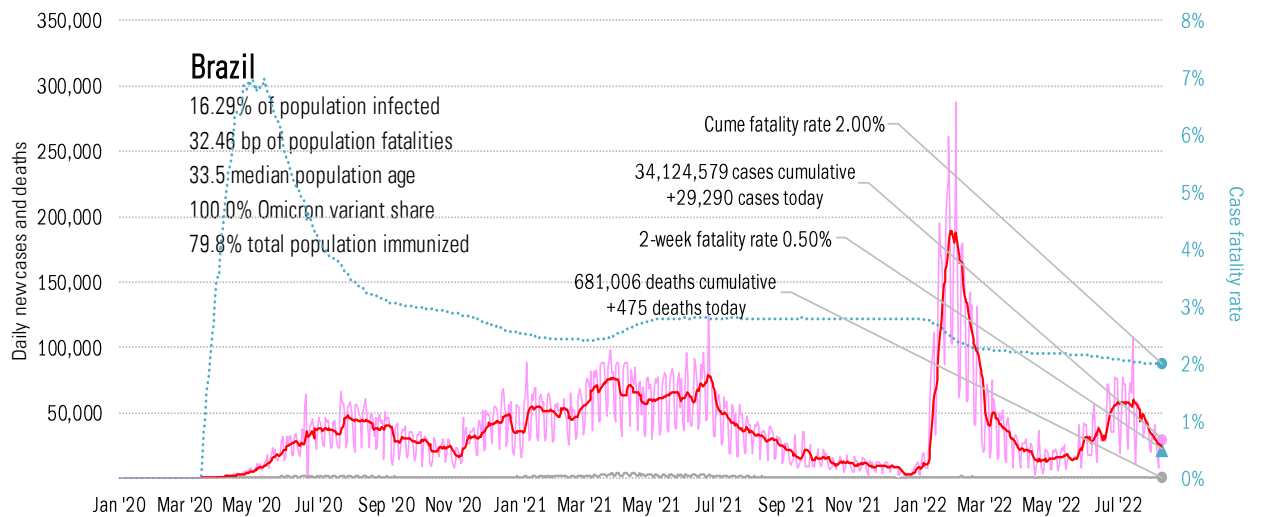
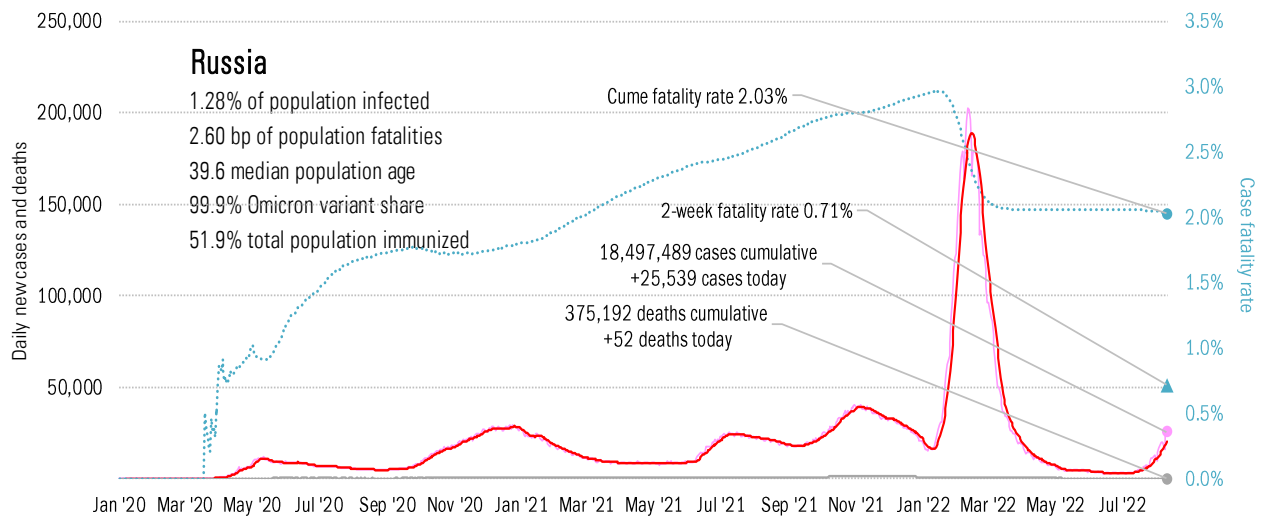
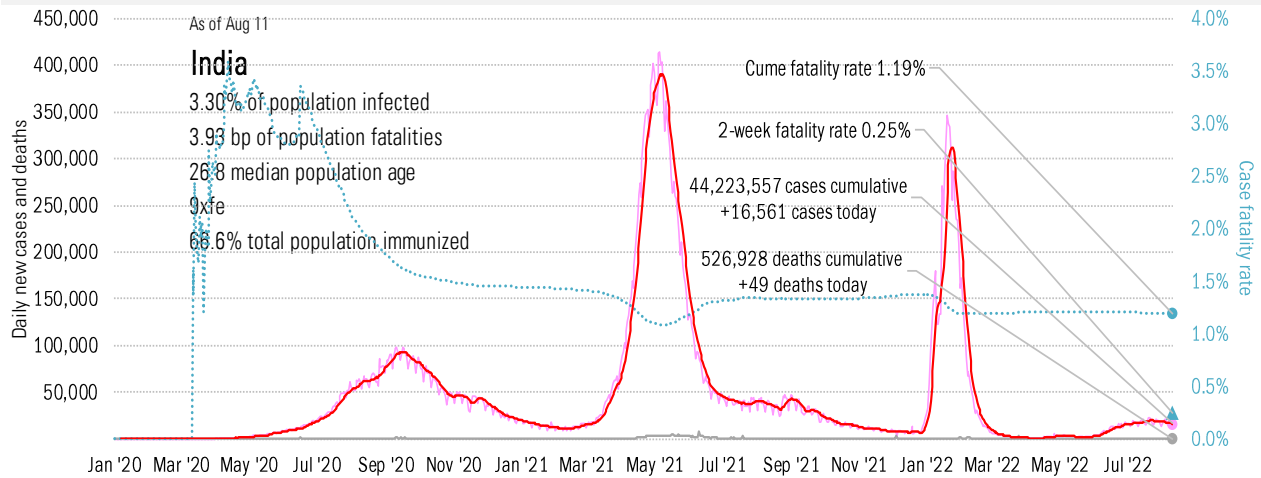
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

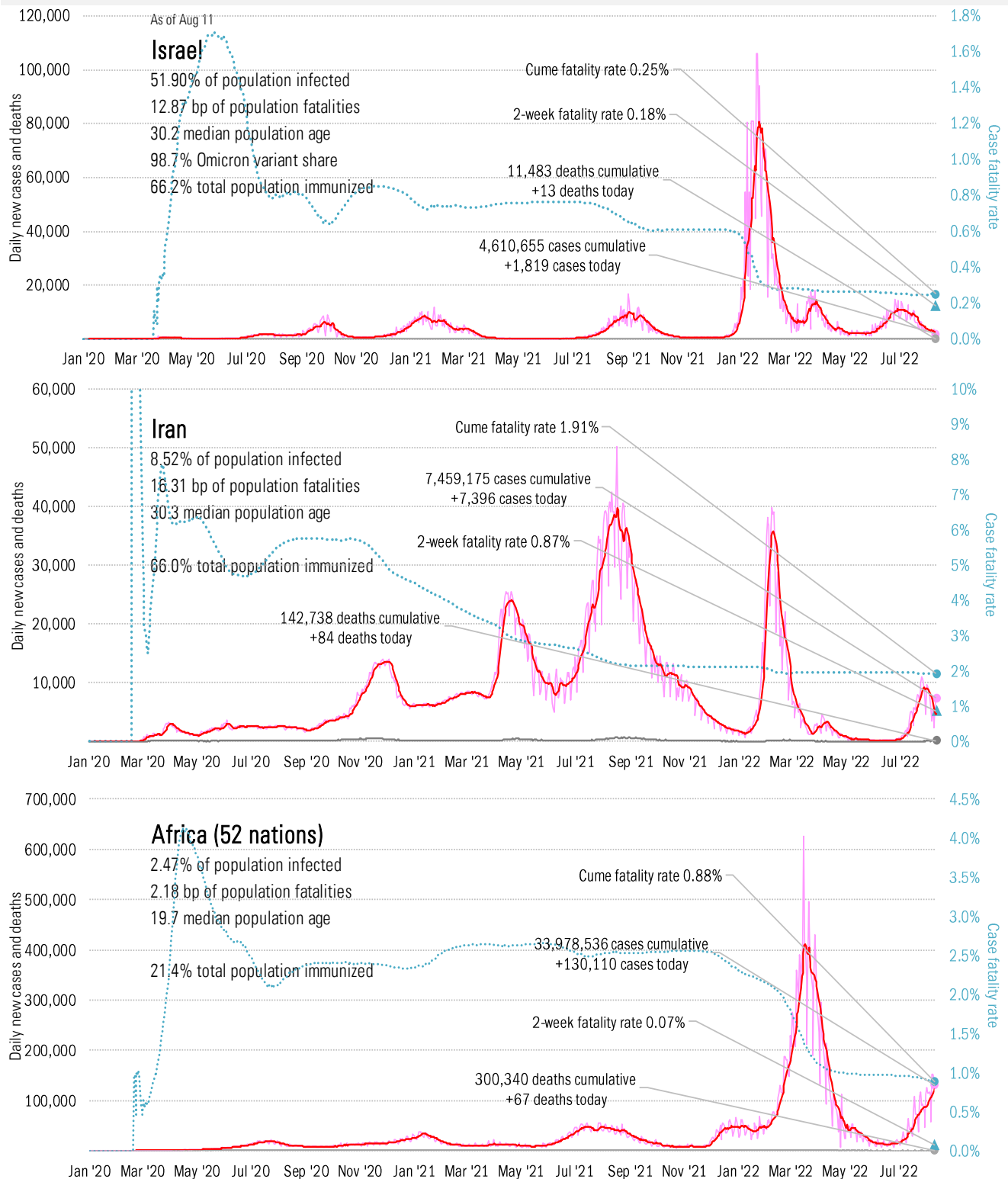
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

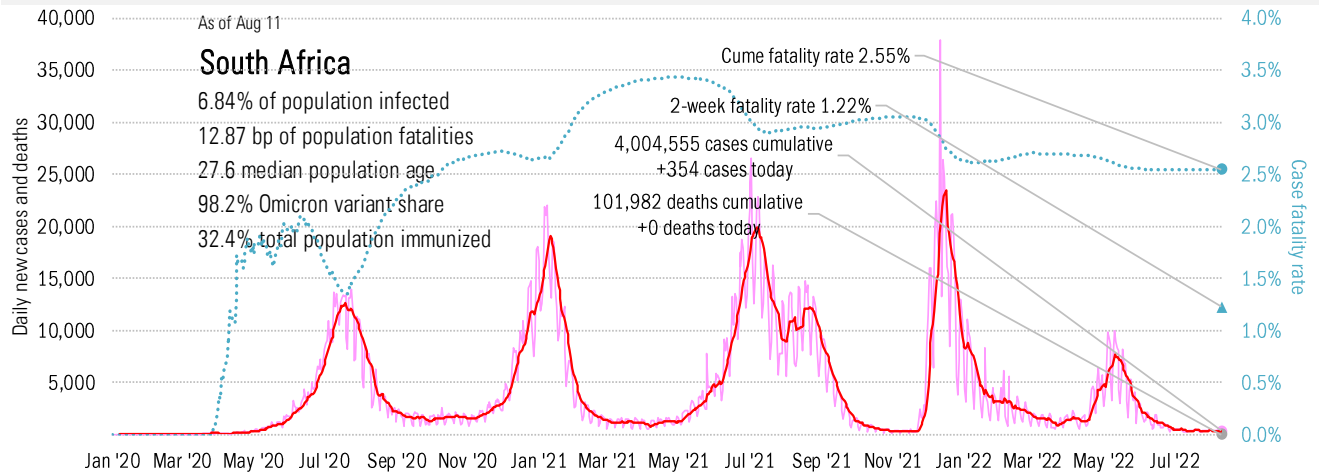
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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