

Data Insights: Covid-2019 Monitor

Sunday, August 28, 2022

The global scorecard

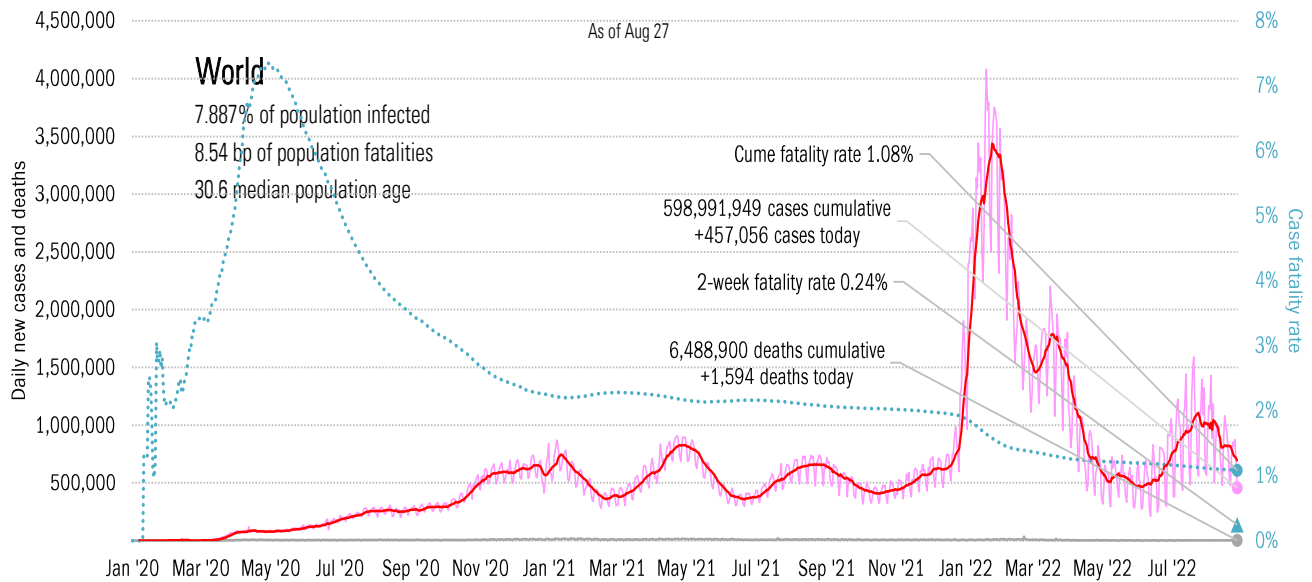
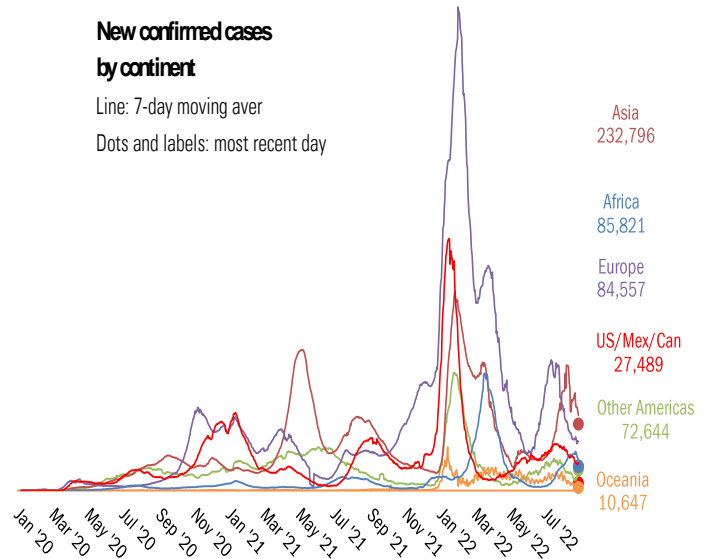
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	180,060	United States	716
United States	159,873	Japan	261
Korea, South	85,295	India	157
Russia	46,402	Russia	88
Taiwan*	25,853	Italy	80
Italy	21,802	Korea, South	70
India	9,436	Philippines	54
Australia	9,255	Taiwan*	40
Chile	7,809	Iran	37
Indonesia	4,170	Chile	29
549,955		1,532	
World	457,056	World	1,594
Top ten	120%	Top ten	96%

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

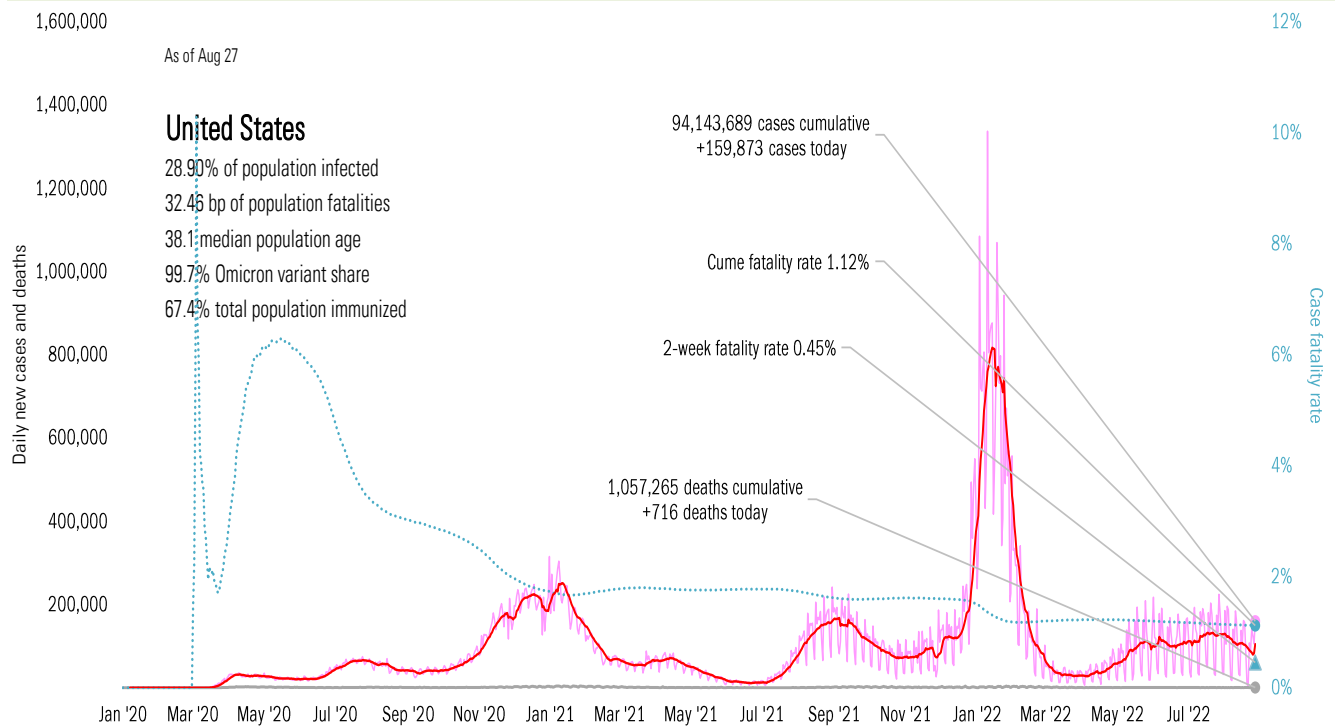
The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	31,771		CA	168		TX	473		CA	11,057,328		CA	94,812		TX	534,861		AR	102%	AK	87%
PA	16,099		FL	79		PA	265		TX	7,812,221		TX	90,182		CA	486,538		RI	89%	NM	87%
FL	12,440		TX	43		MA	120		FL	7,001,405		FL	79,529		FL	481,448		MA	87%	AL	85%
TX	9,714		IN	33		LA	124		NY	5,971,180		NY	71,012		NY	290,012		WA	85%	NC	83%
MA	8,796		WA	27		AL	104		IL	3,670,258		PA	46,596		GA	221,453		DE	84%	TX	83%
MO	7,248		MD	25		IN	134		PA	3,167,638		GA	39,632		CH	211,895		MN	84%	VT	83%
KS	4,977		GA	23		CH	228		NC	3,098,923		CH	39,406		PA	197,878		MD	84%	WA	82%
IN	4,831		MO	23		AR	52		CH	3,049,546		IL	39,284		IL	180,943		MO	84%	MA	82%
TN	4,418		VA	21		KS	52		GA	2,852,706		MI	37,909		MI	157,612		GA	83%	GA	80%
CK	3,854		MI	19		UT	37		MI	2,751,201		NJ	34,529		KY	141,894		DC	82%	DE	80%
104,148			461			1,589			50,432,406			572,891			2,904,534						
All states	159,873			716			5,285		All states	94,143,689			1,057,265			5,269,571		All states	70%		67%
Top ten	65%			64%			30%		Top ten	54%			55%			55%		Median	78%		73%

Some states not reporting

Five most improved US states

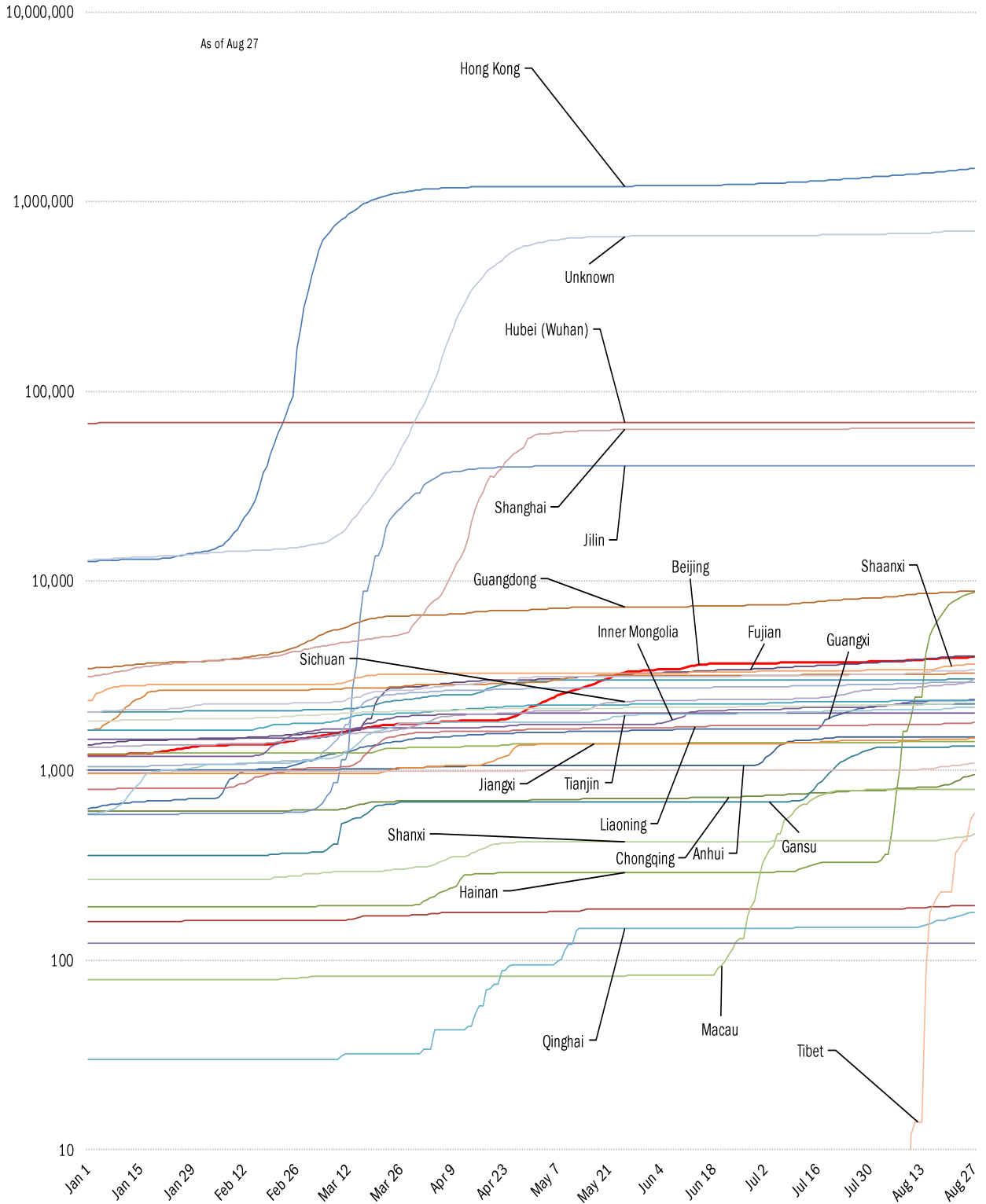
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-2,324	LA	-10	CA	-50
AR	-278	ME	-1	MO	-46
CT	-149	AK	0	MI	-34
ME	-29	AL	0	IL	-33
AK	0	AZ	0	WA	-28



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"

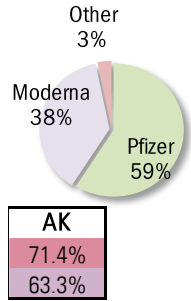


Source: [Johns Hopkins](#), TrendMacro calculations

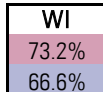
Rolling out the vaccines in the US and the world

Updates weekly on Friday

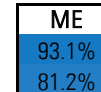
Administered	Cumulative		Today	Immunity	Full	Partial
Doses	624,295,607		+0.198 million	US	67.4%	79.1%
of which boosters	110,660,827		+0.048 million	UK	75.3%	79.9%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	270,806,258	81%	230,434,360	69%	+0.034 million	France 78.7% 80.9%
Age 12 to 17	18,123,872	72%	15,482,720	61%	+0.003 million	Spain 85.6% 86.9%
Age 18 to 64	180,801,270	89%	153,587,488	76%	+0.015 million	Germany 76.1% 77.6%
Age 65 and over	59,698,554	100%	52,224,169	95%	+0.004 million	Italy 81.0% 85.8%
						Australia 83.9% 86.5%
						Israel 66.2% 72.3%
						Canada 82.7% 86.3%
						Japan 82.4% 83.5%
						Africa 21.7% 27.6%
						India 66.8% 72.8%
						Brazil 80.0% 87.0%
						China 89.0% 91.3%



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

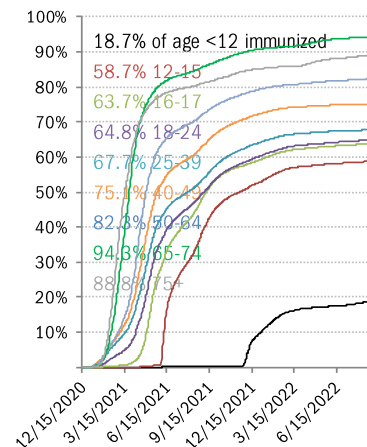
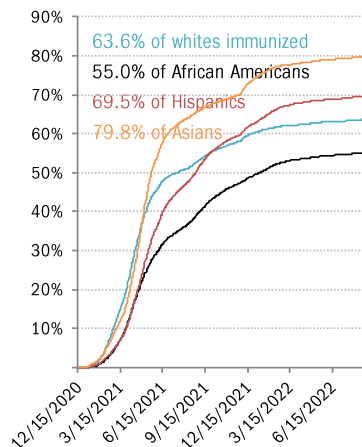
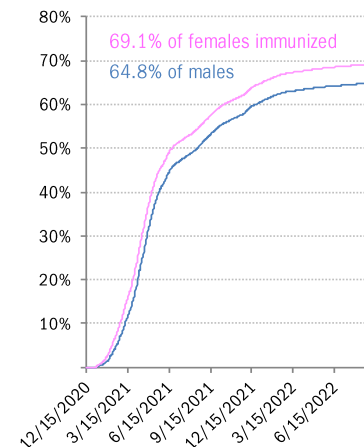


As of Aug 25



WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
82.7%	62.4%	66.4%	66.9%	76.7%	77.2%	68.0%	91.9%	95.0%	90.5%	
73.7%	55.1%	57.8%	56.6%	70.3%	69.5%	61.1%	78.4%	82.7%	72.3%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
79.3%	76.9%	59.2%	79.1%	69.1%	63.1%	64.4%	87.4%	92.3%	95.0%	
70.7%	61.9%	51.8%	63.6%	62.9%	56.8%	59.3%	70.5%	77.1%	80.7%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.0%	73.6%	81.3%	71.6%	67.6%	67.4%	66.2%	87.7%	88.8%	95.0%	95.0%
73.4%	65.3%	71.5%	64.7%	57.3%	58.4%	58.6%	74.5%	77.2%	80.7%	84.8%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
75.4%	90.3%	74.1%	68.1%	63.3%	87.2%	69.3%	95.0%	85.2%		
63.1%	72.7%	63.3%	55.5%	55.4%	63.4%	58.3%	78.6%	70.8%		
OK	LA	MS	AL	GA						
72.6%	62.0%	60.8%	63.9%	66.9%						
58.6%	54.3%	52.9%	52.1%	56.0%						
HI	TX	FL	PR							
89.4%	74.4%	80.8%	95.0%							
79.7%	61.6%	68.1%	84.3%							

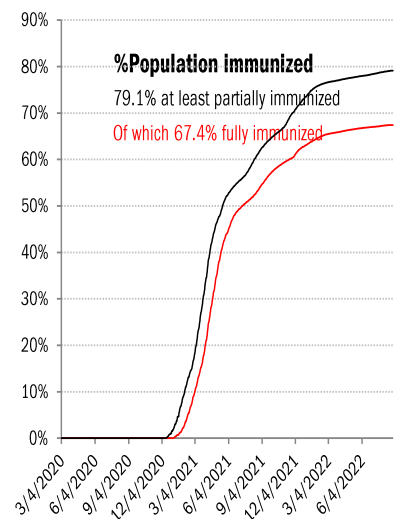
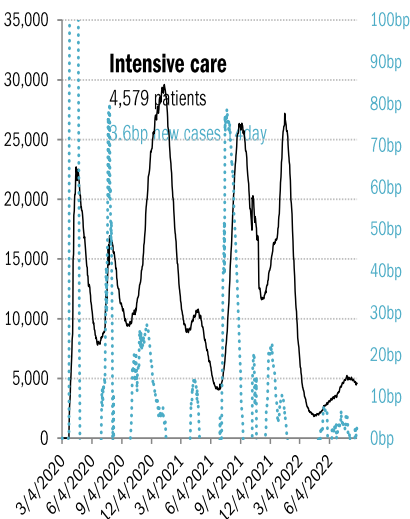
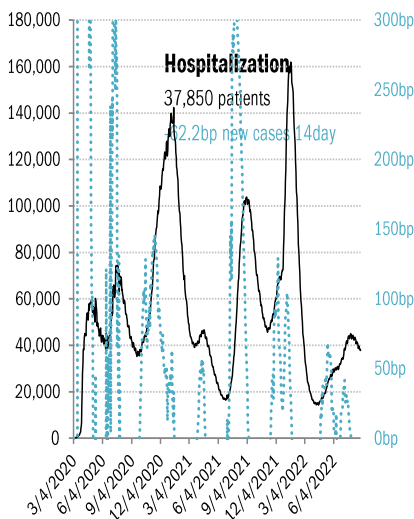
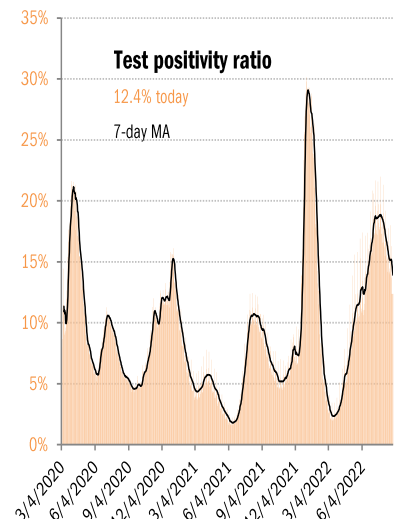
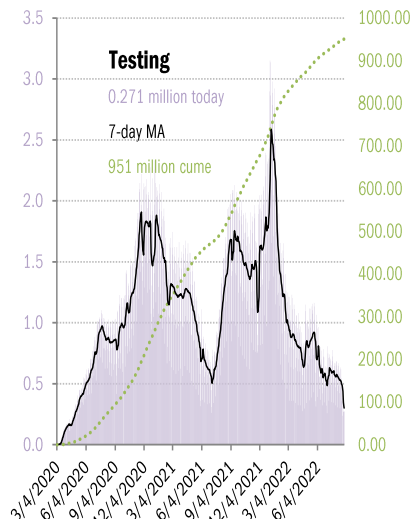
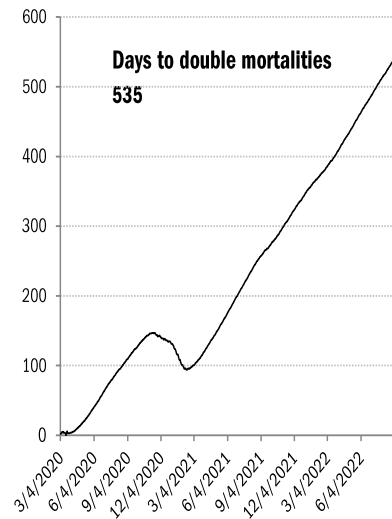
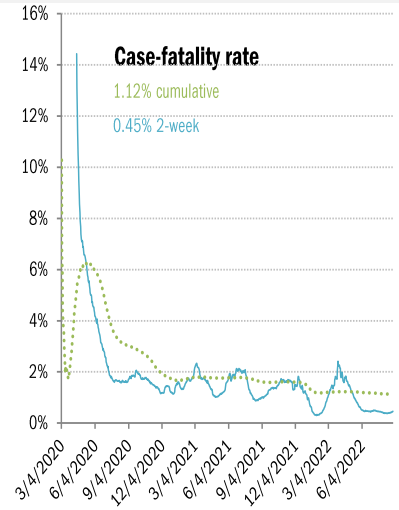
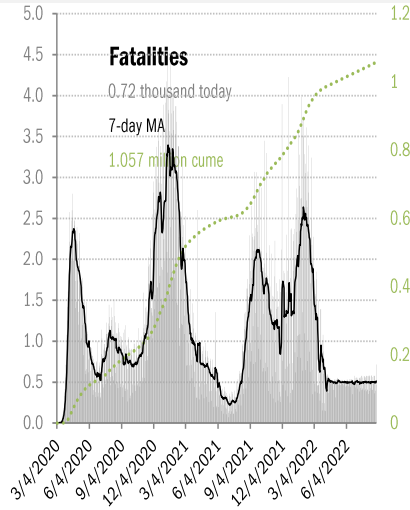
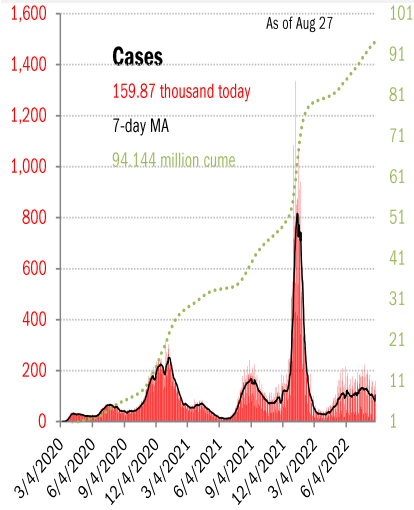
The demographics of US vaccination



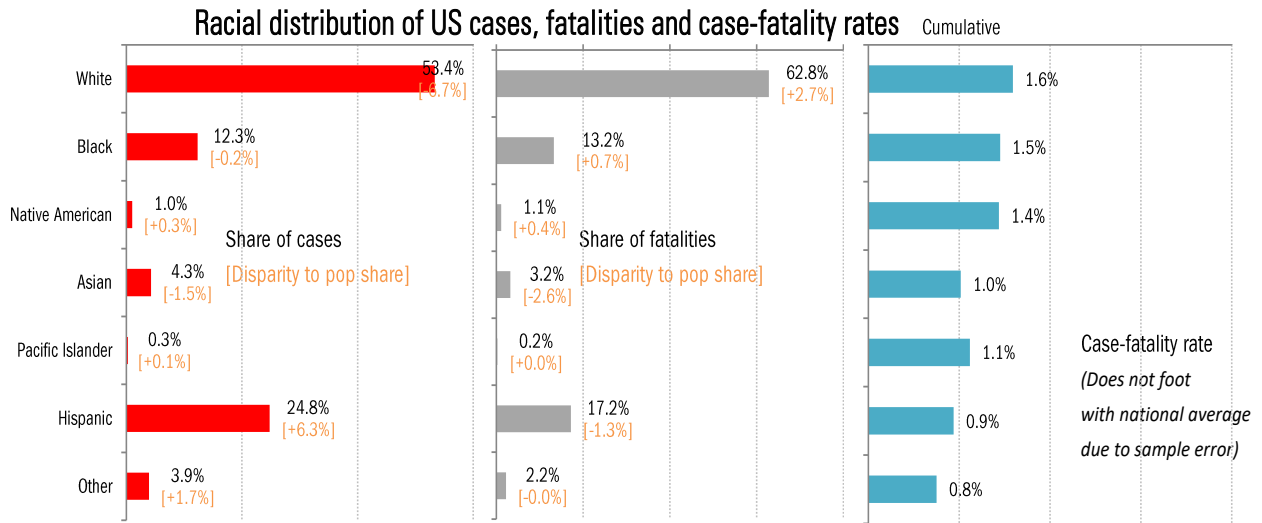
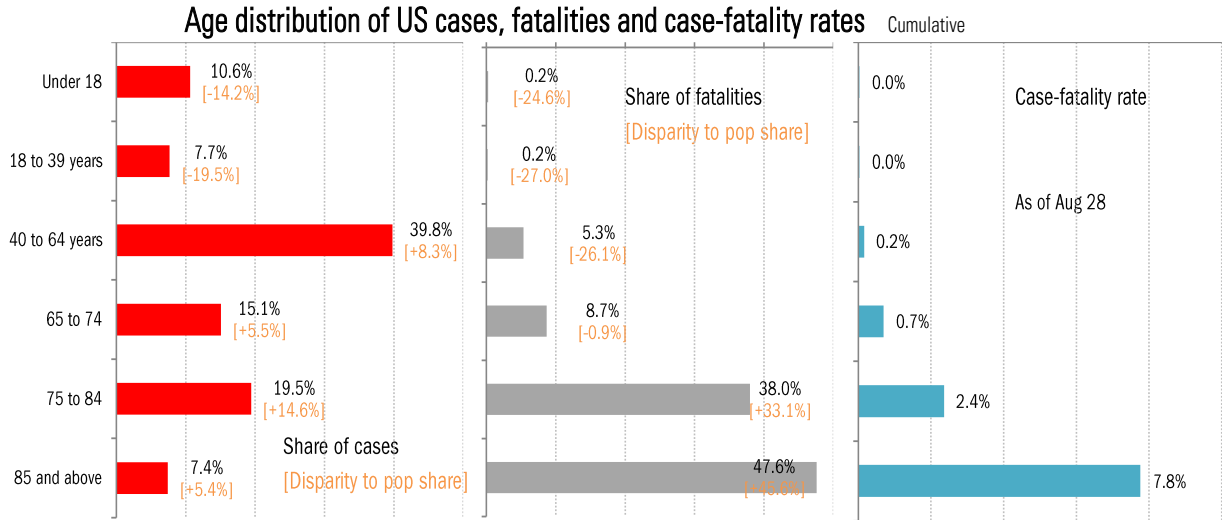
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

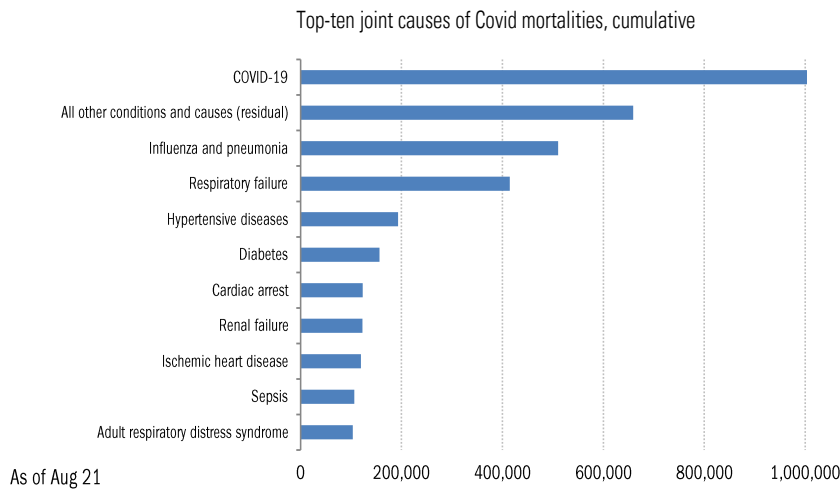
National and state-by-state data do not line up because of different sources



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 per death.

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

Recommended reading

[A son's mistake, a family's grief and the cruel lessons of the fentanyl epidemic](#)

John Keilman
Chicago Tribune
August 27, 2022

[Some excellent news out of Hawaii](#)

Alex Berenson
Unreported Truths
August 27, 2022

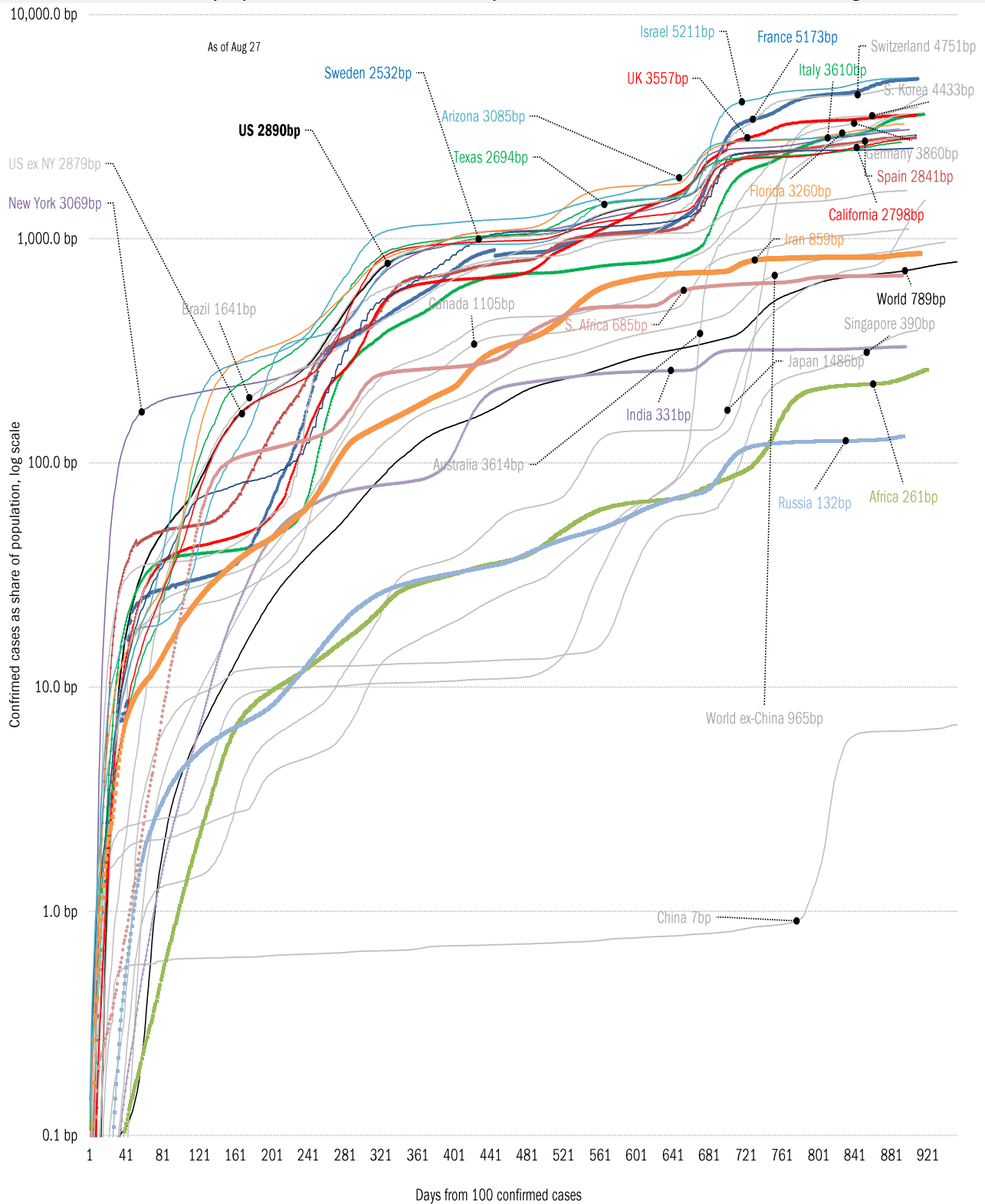
Meme of the day



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

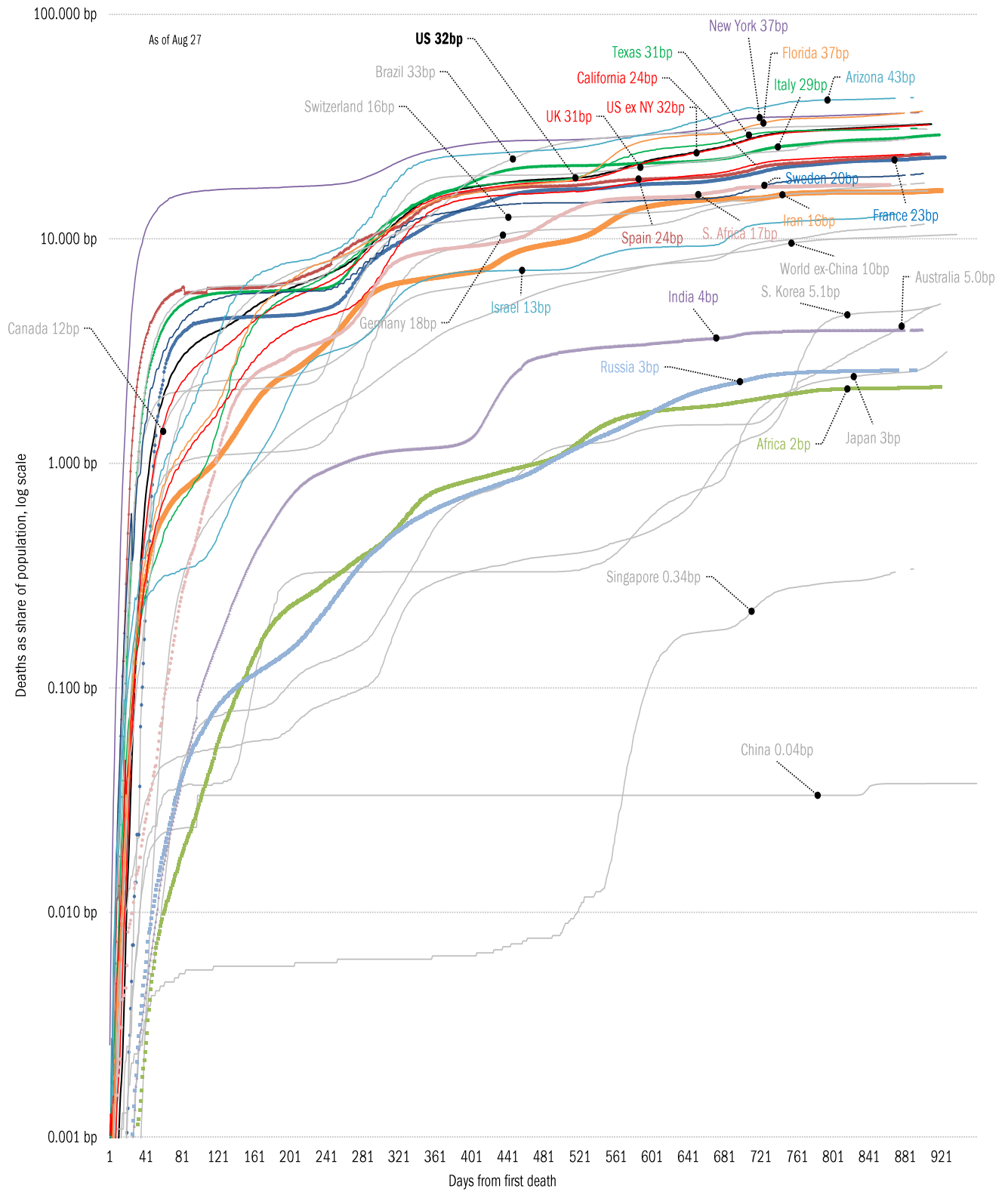
The global coronavirus case accelerometer... tracking the world's infection curves

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

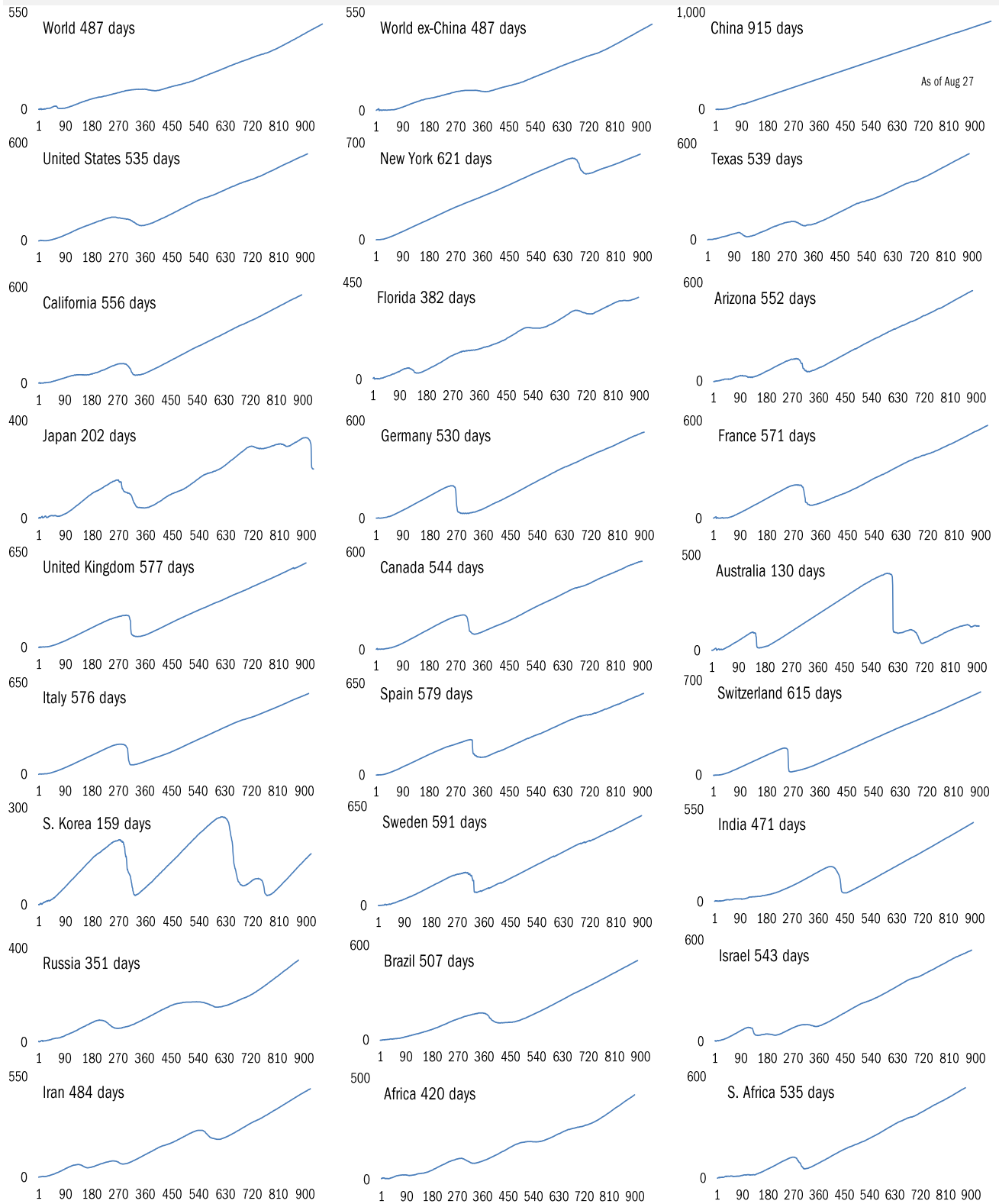


Source: [Johns Hopkins](#), TrendMacro calculations

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

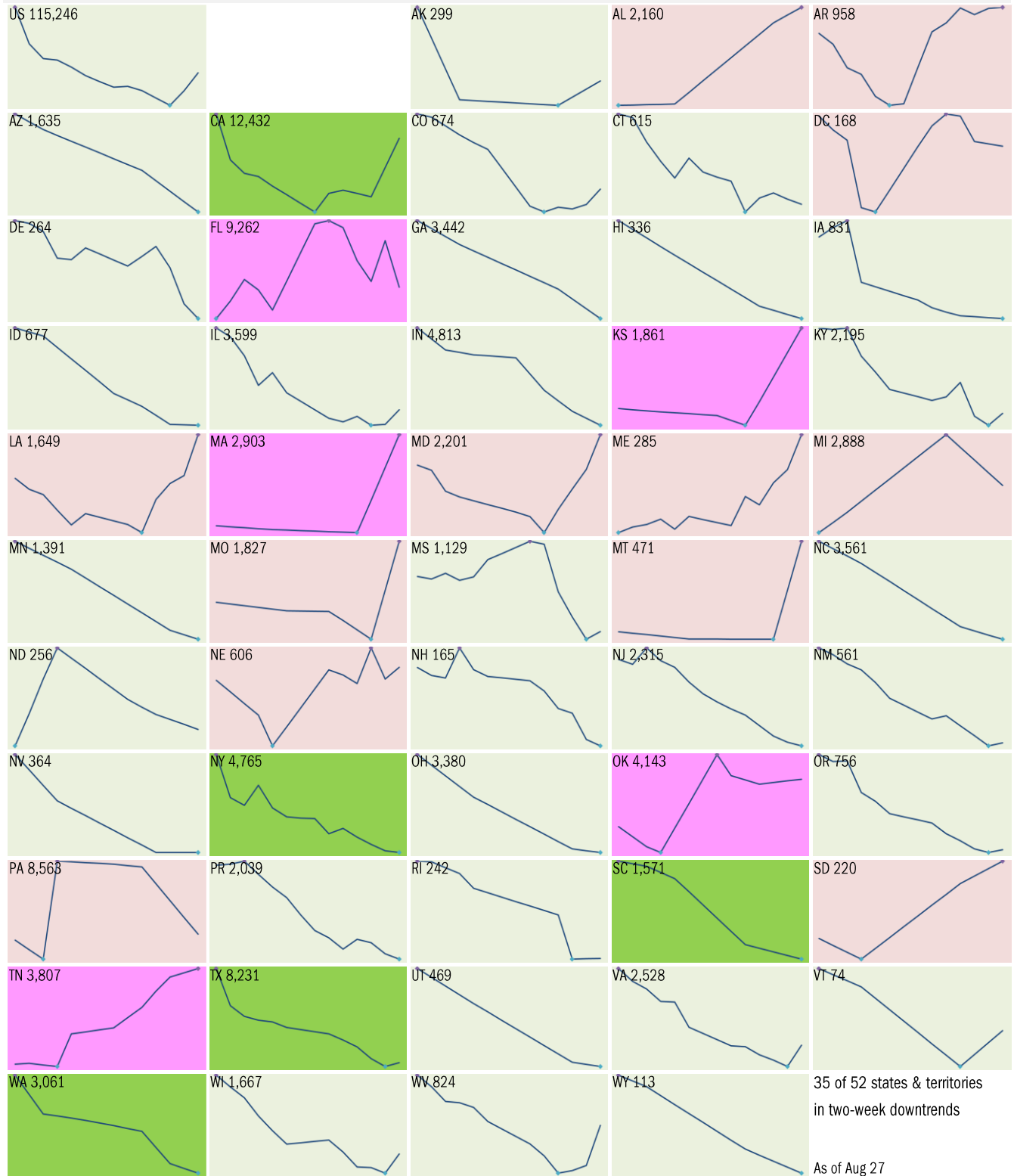


Source: [Johns Hopkins](#), TrendMacro calculations

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

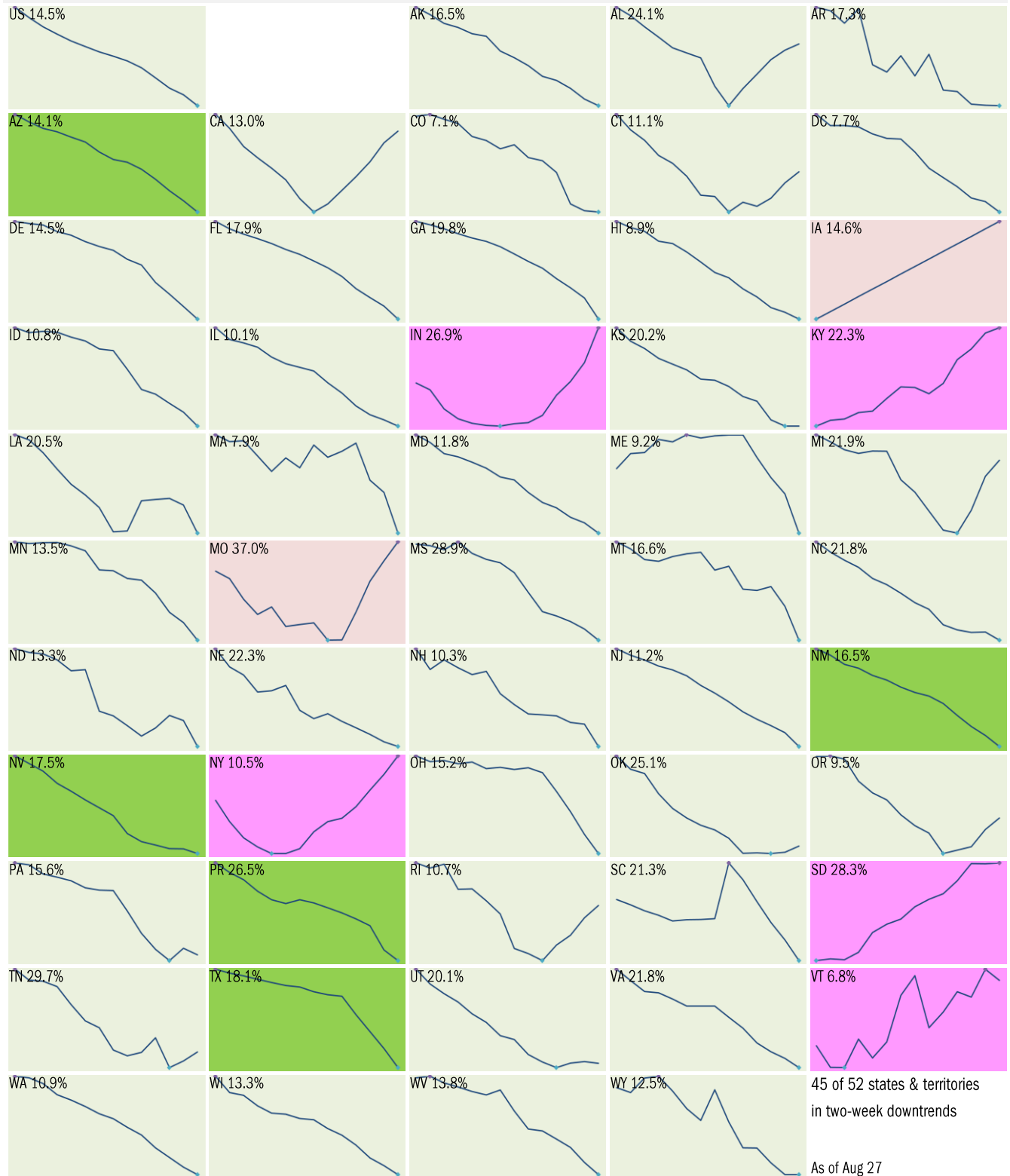


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

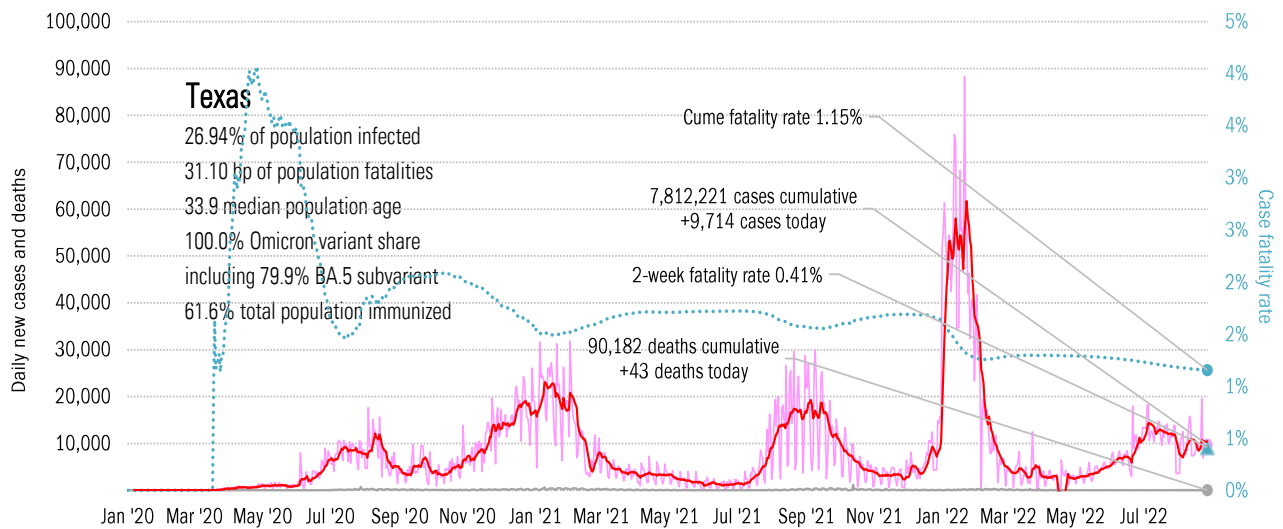
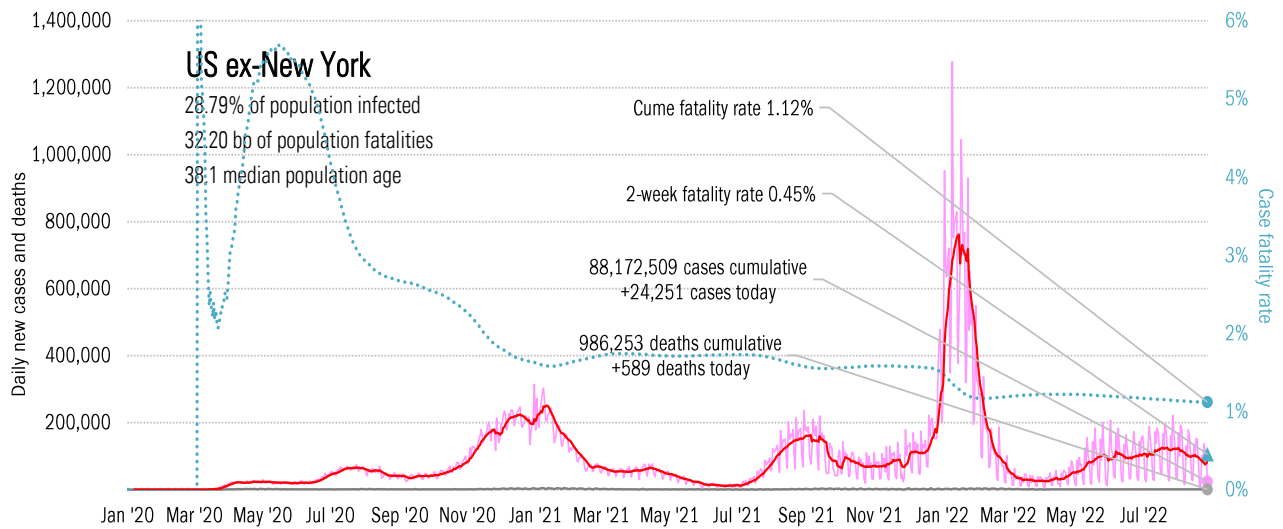
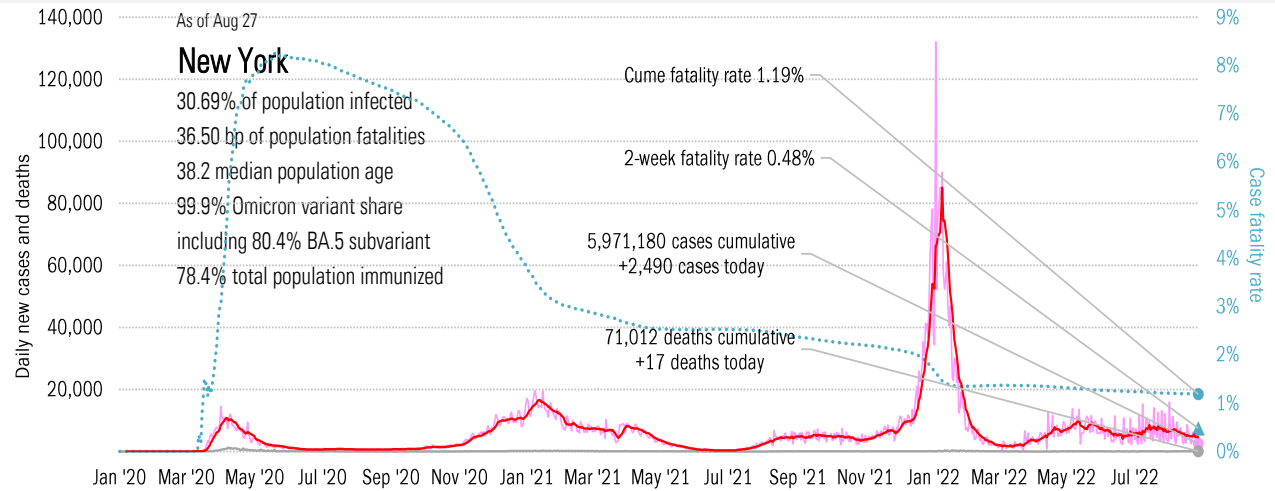
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

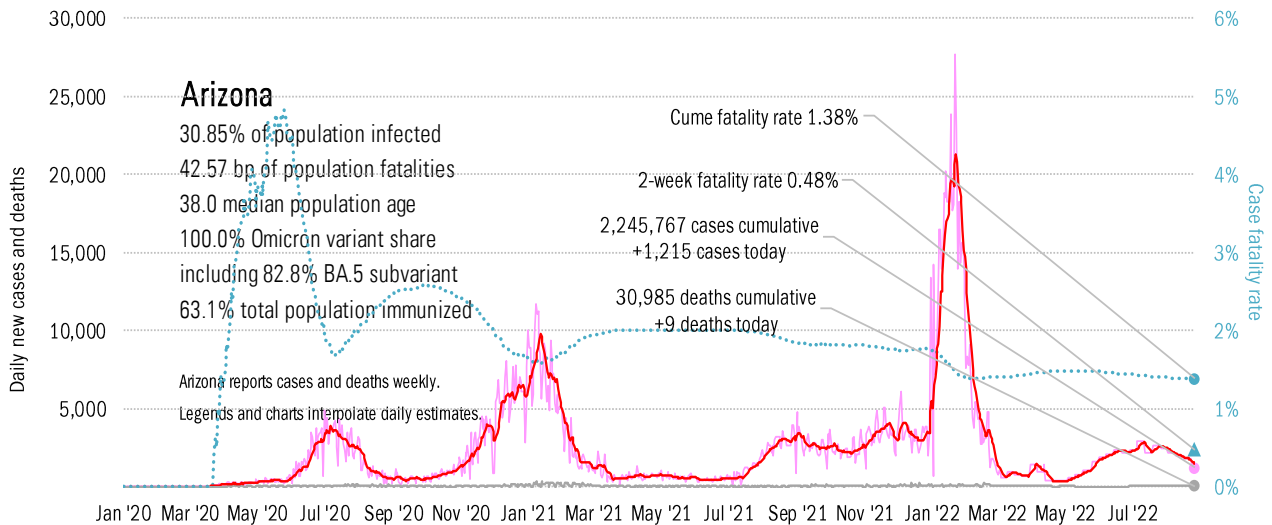
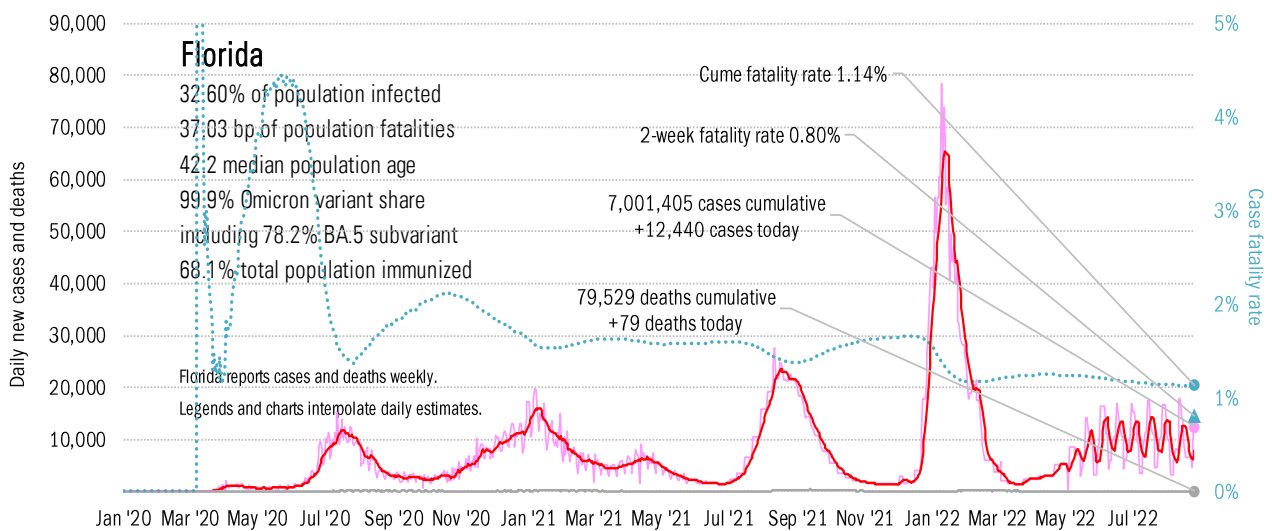
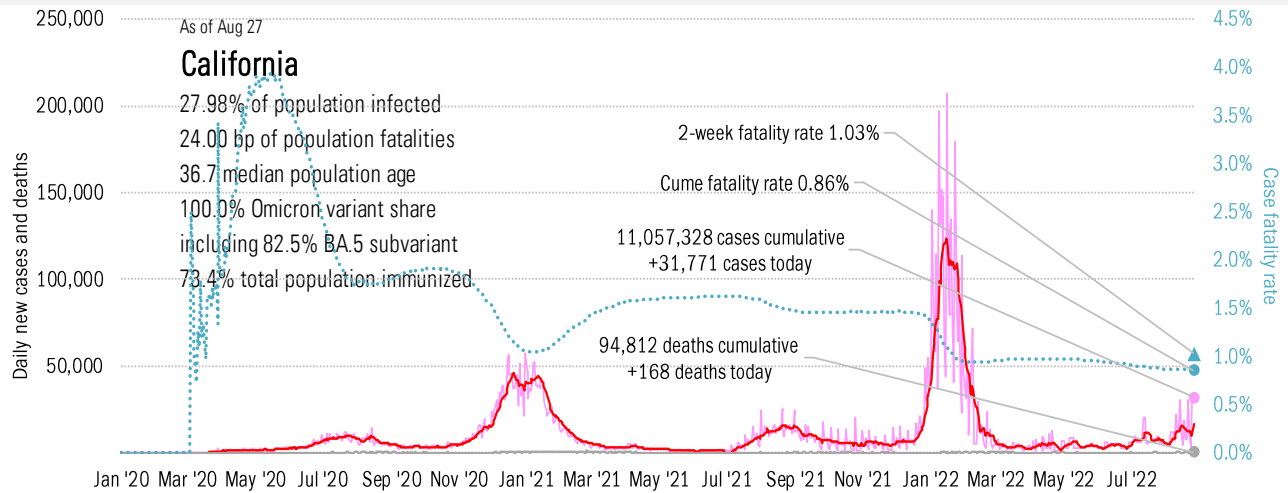
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

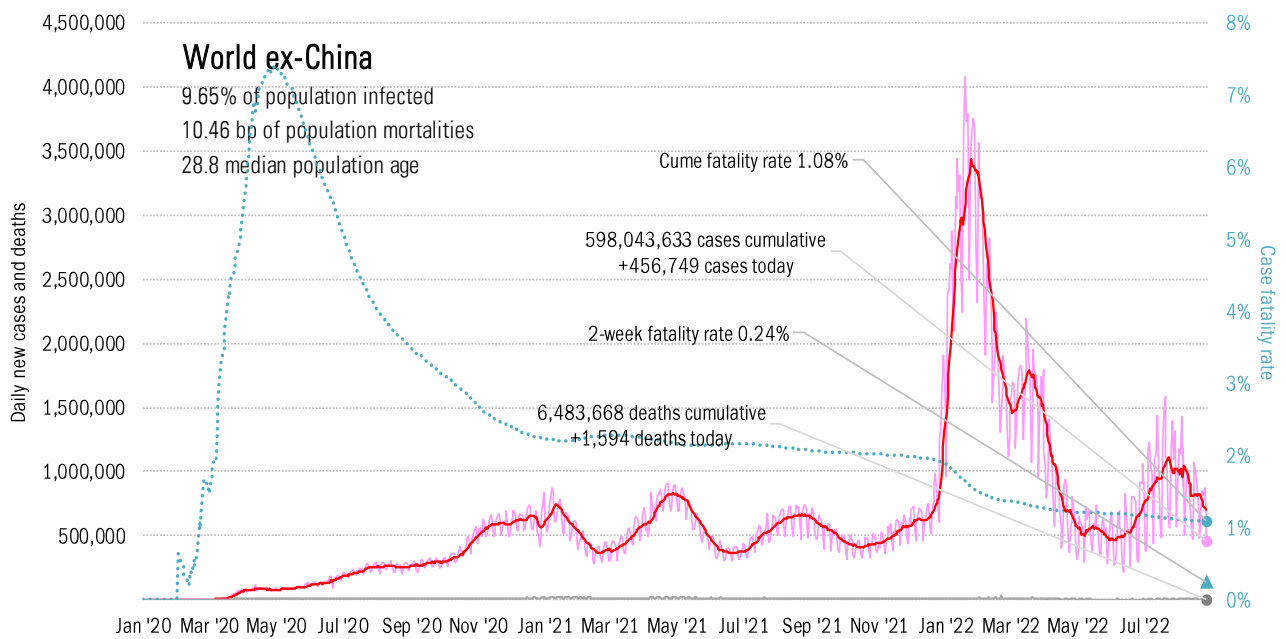
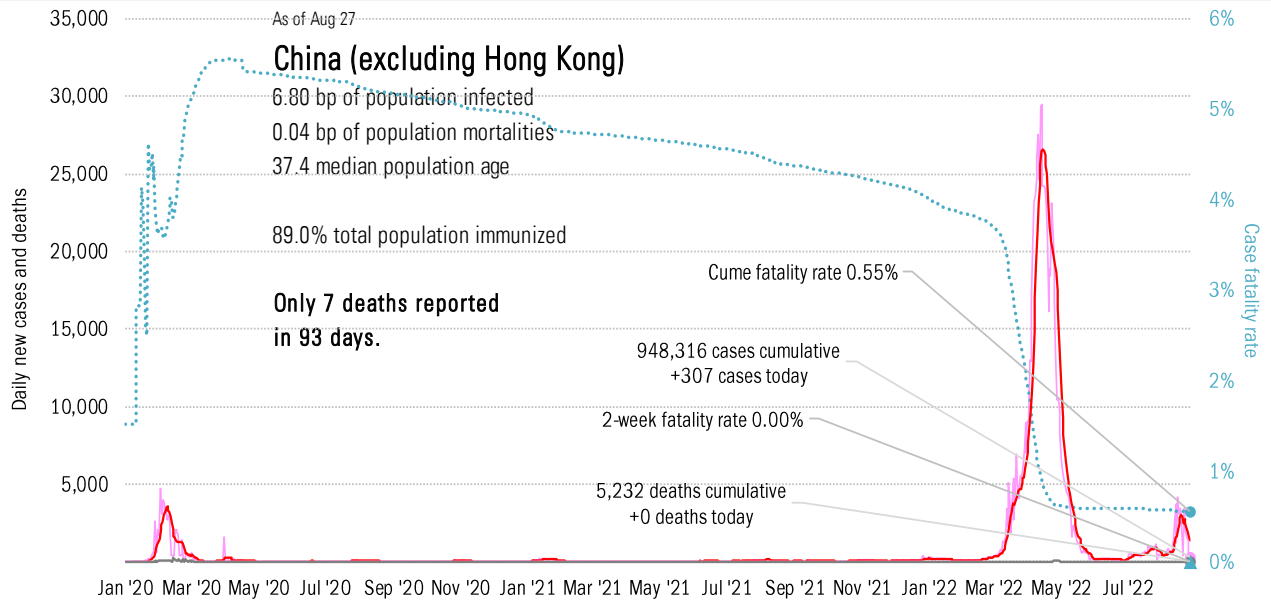
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

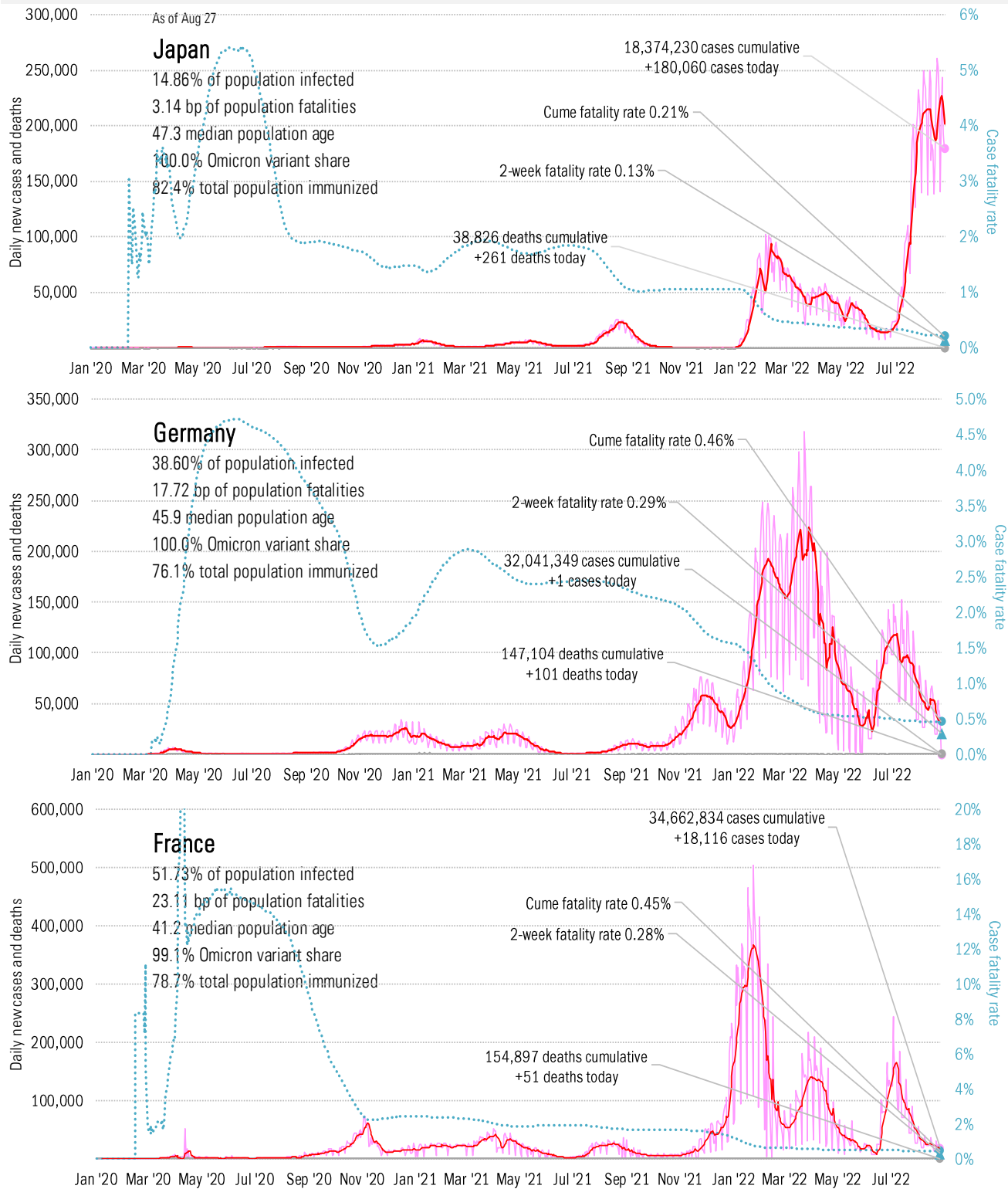
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

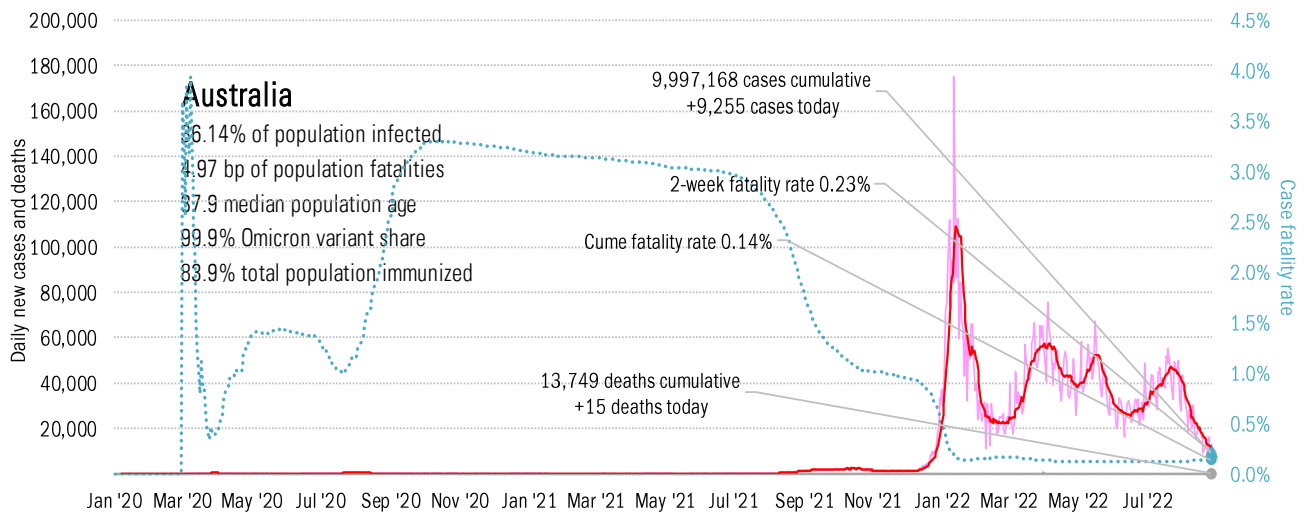
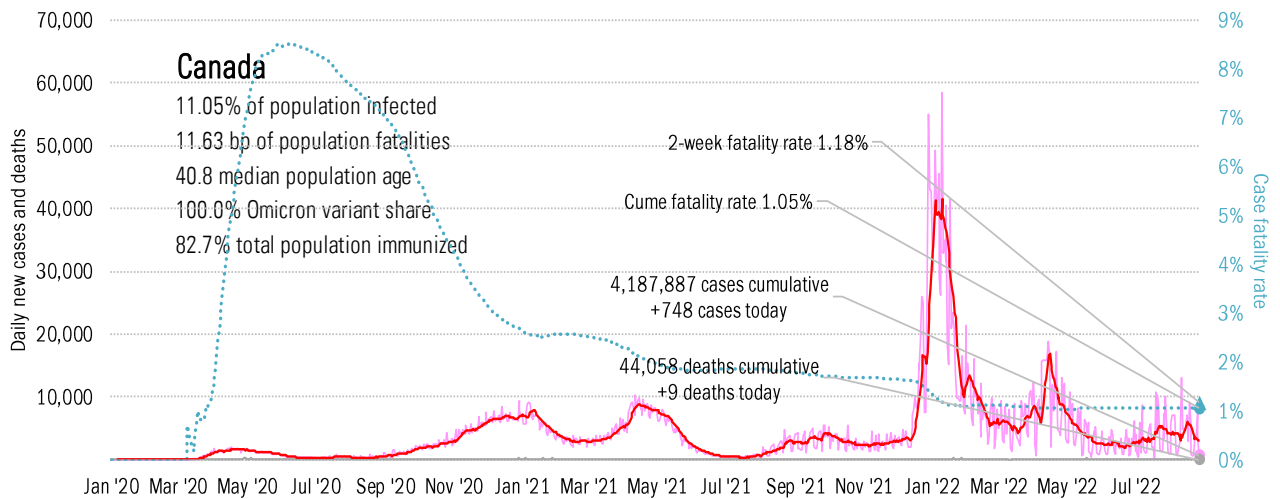
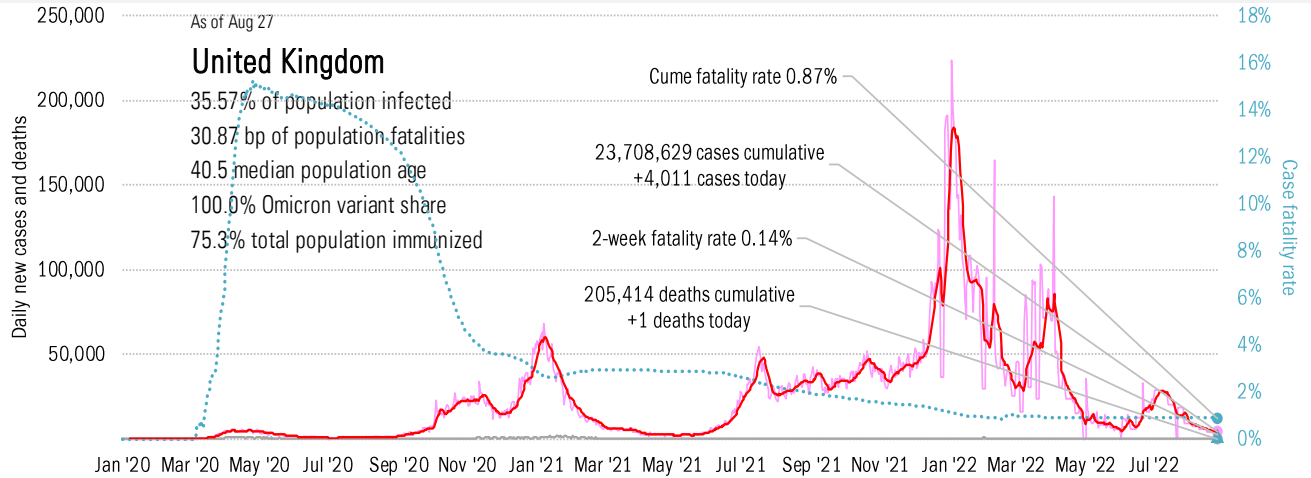
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

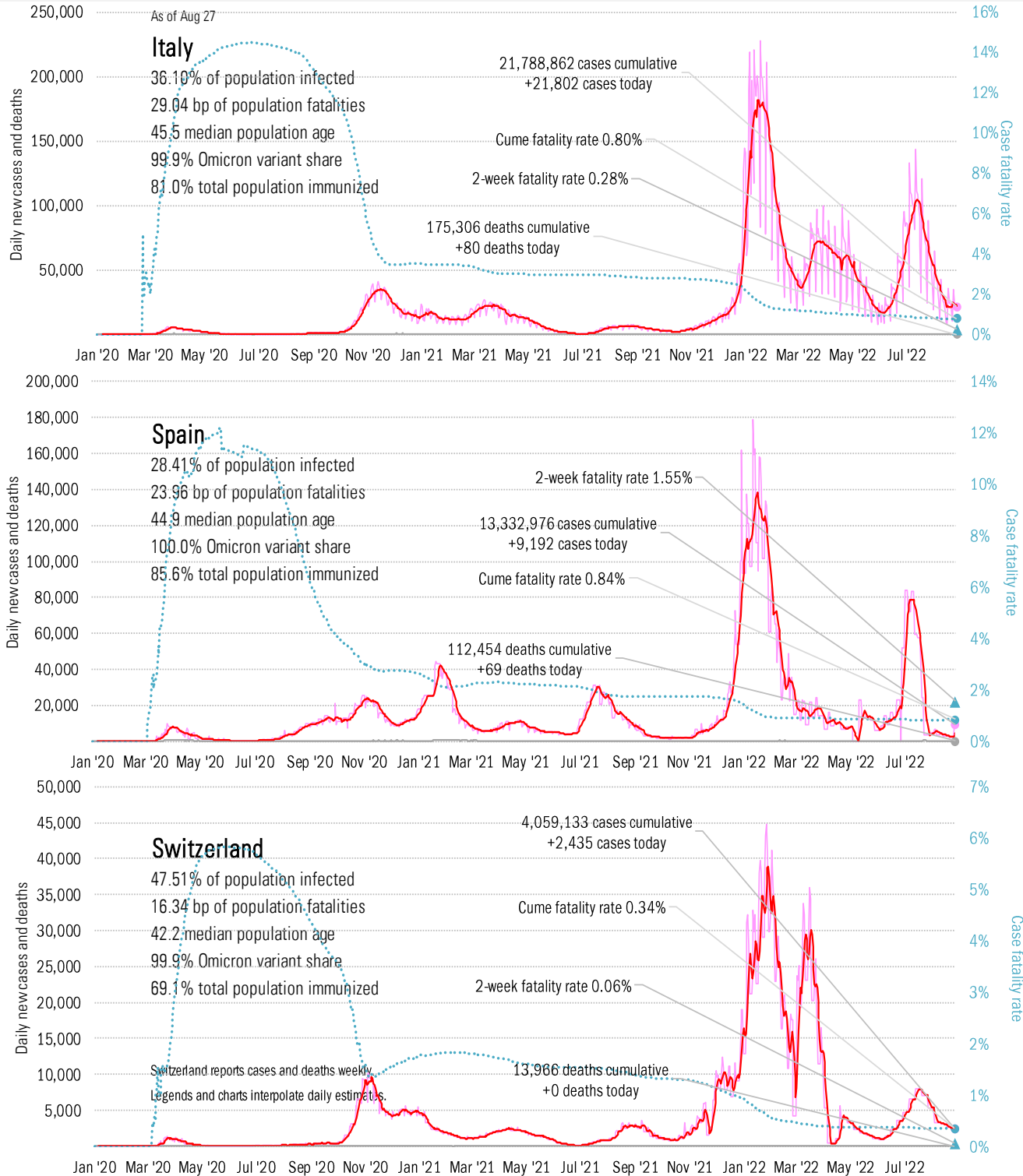
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

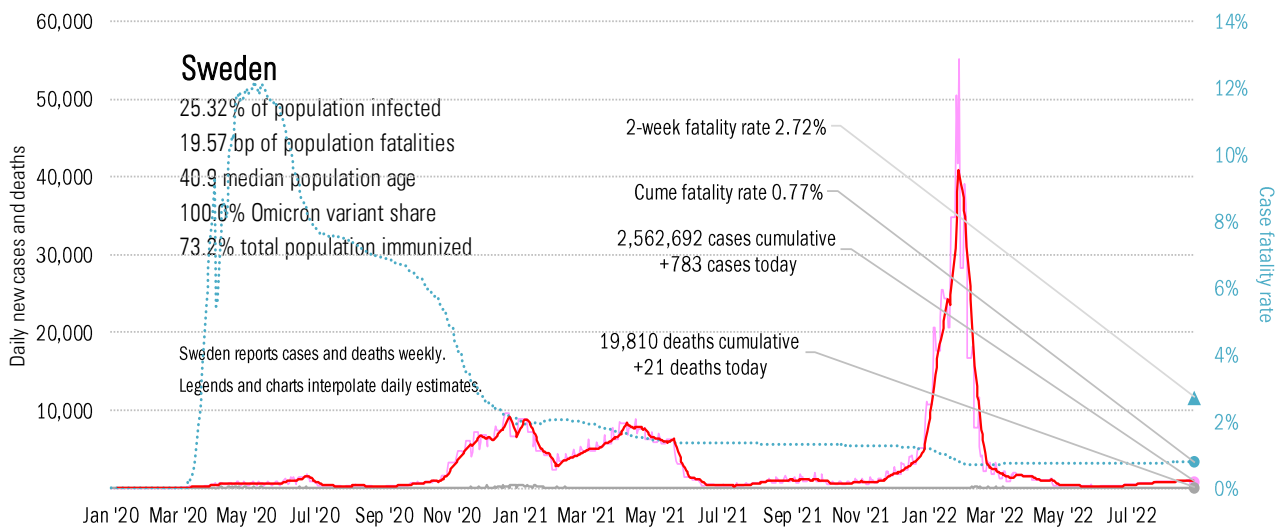
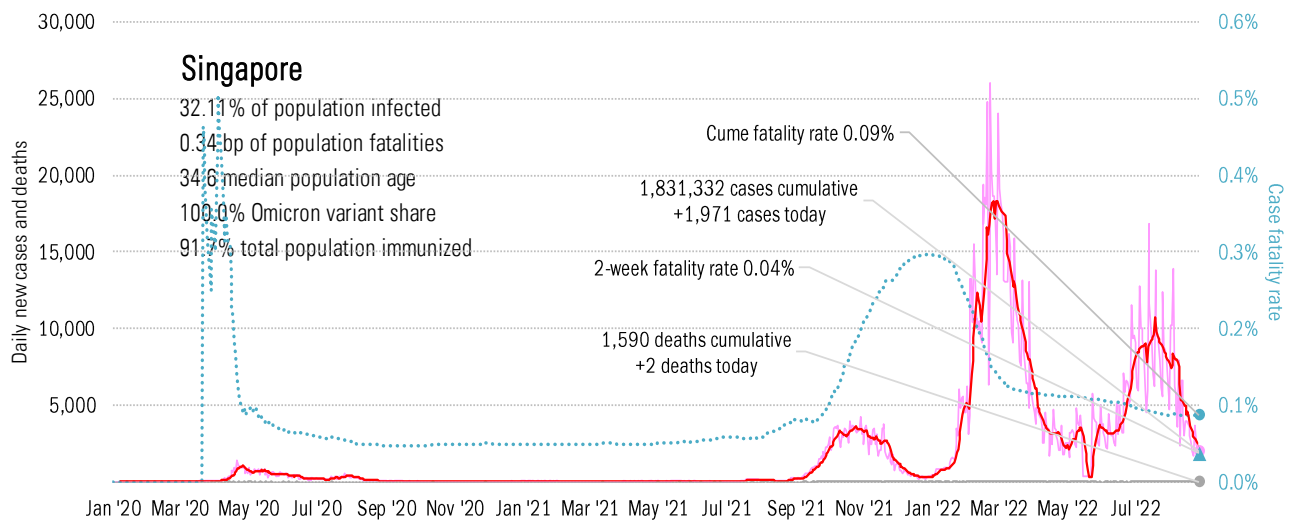
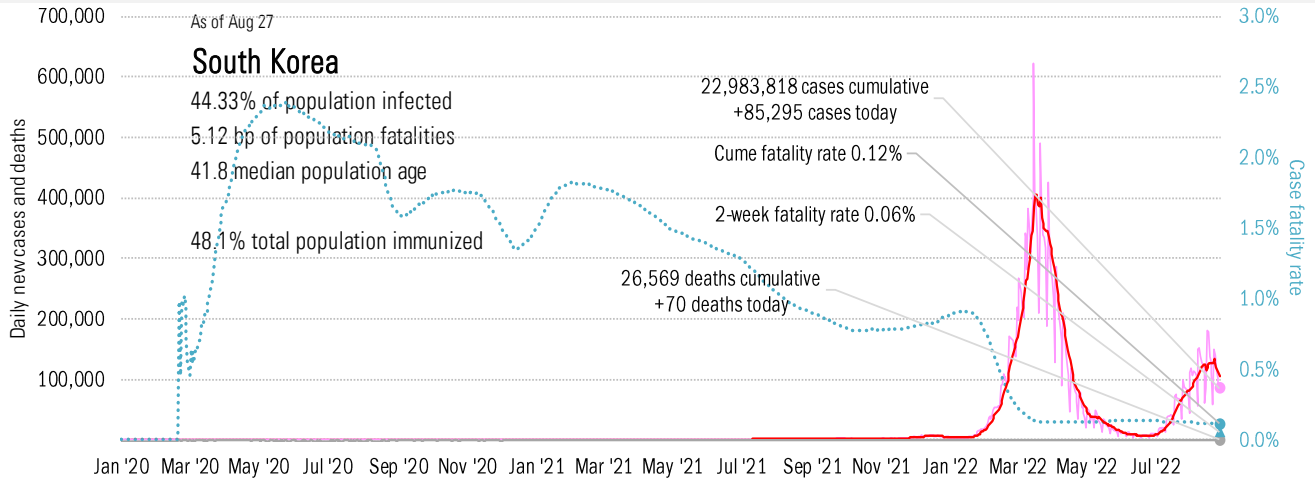
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

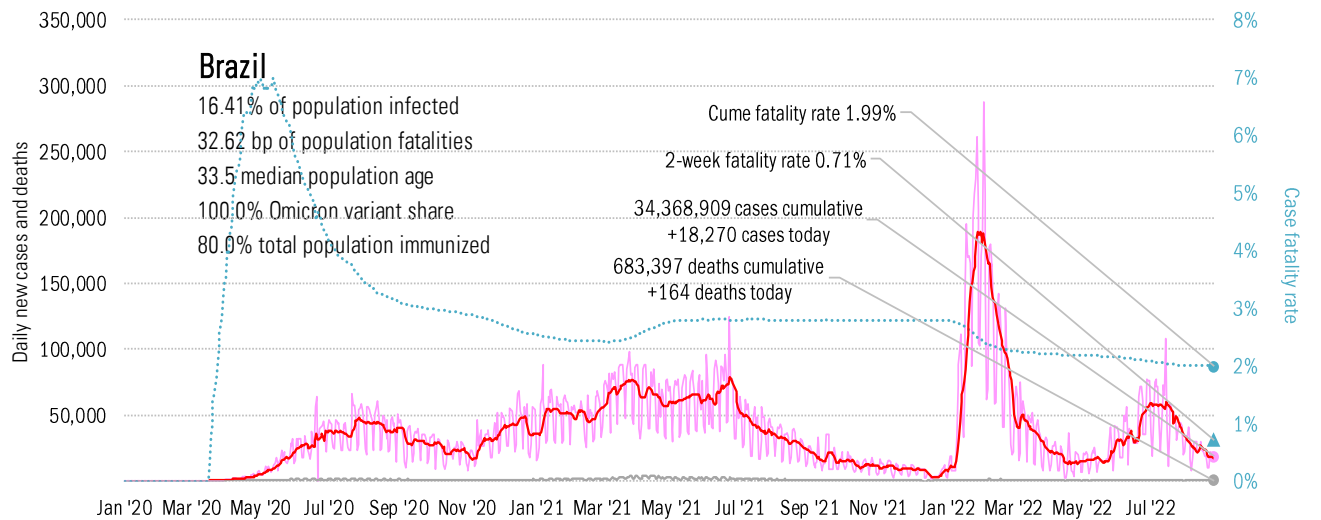
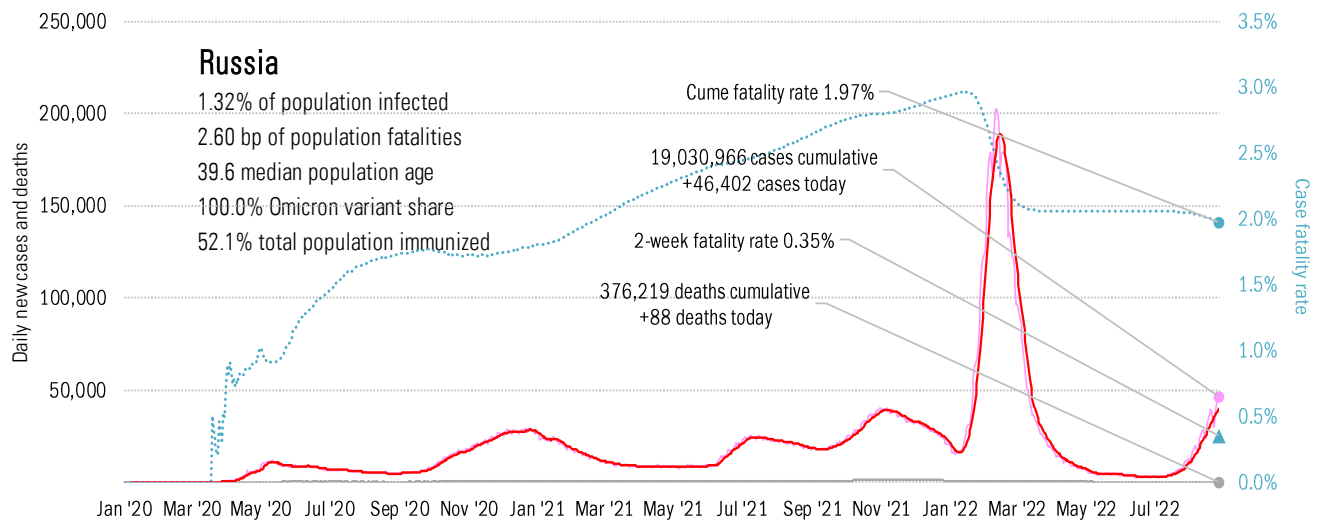
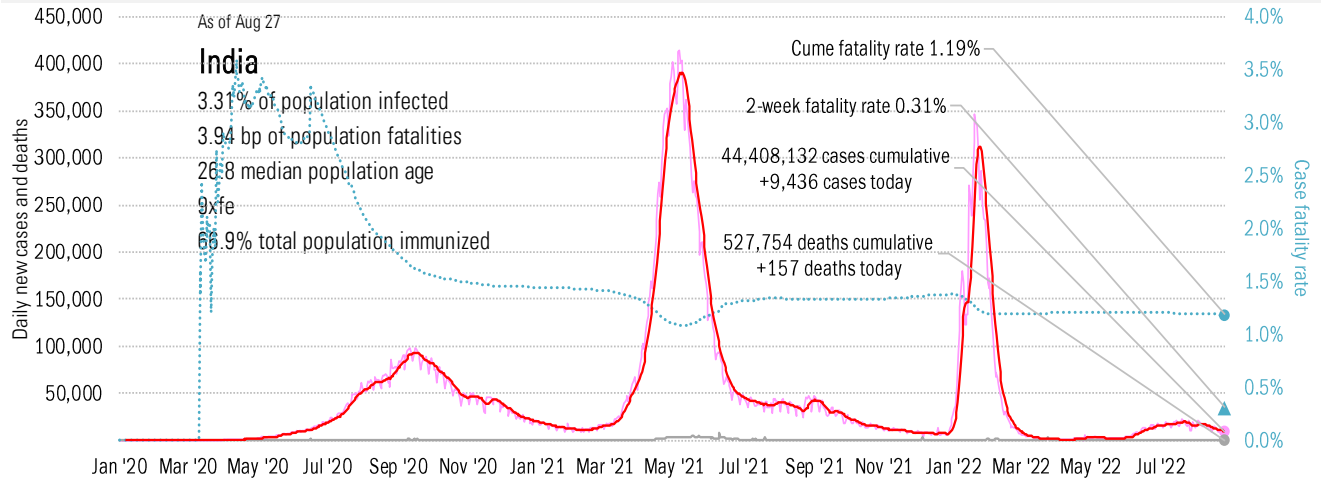
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

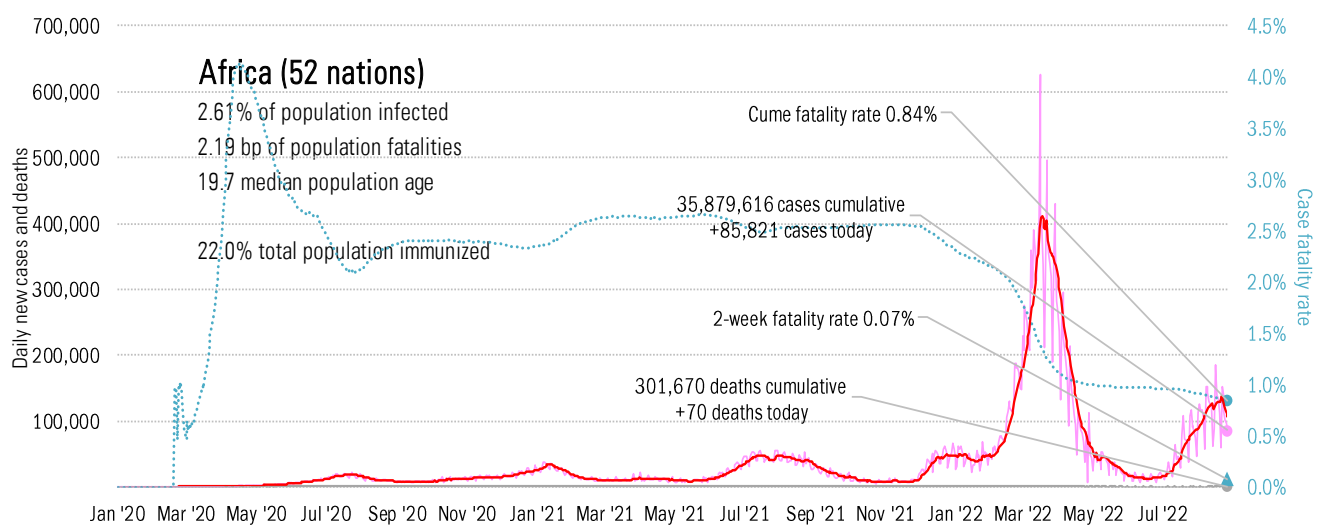
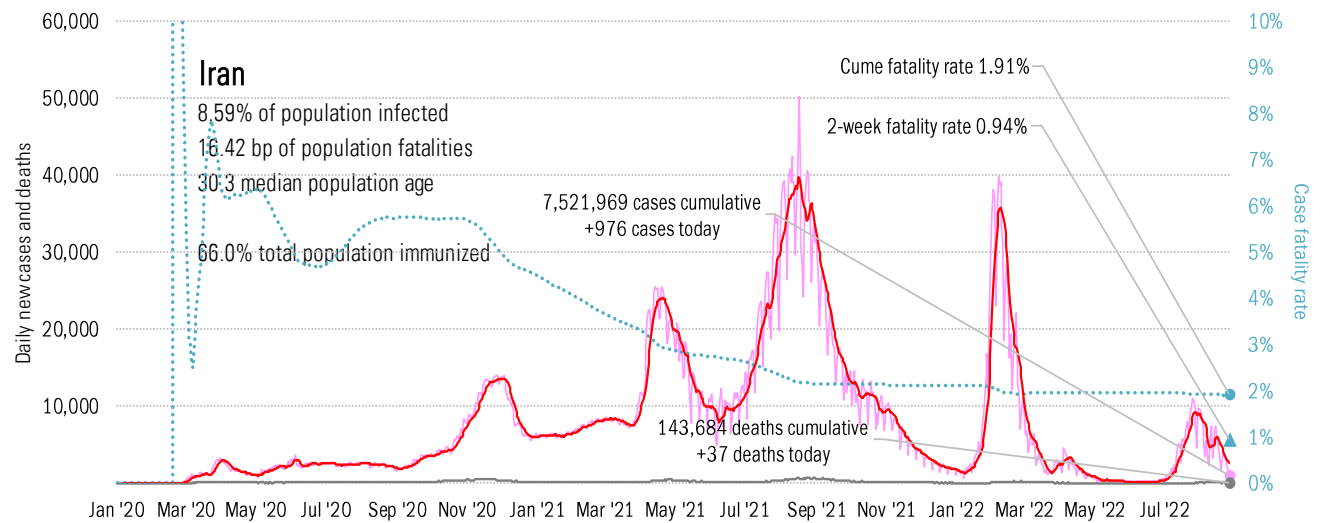
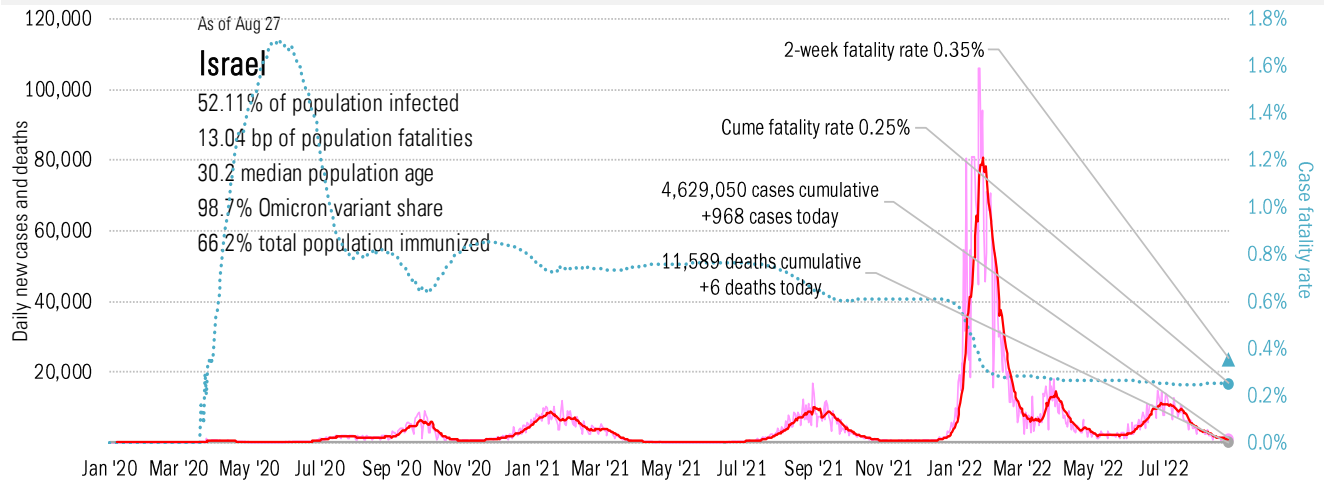
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

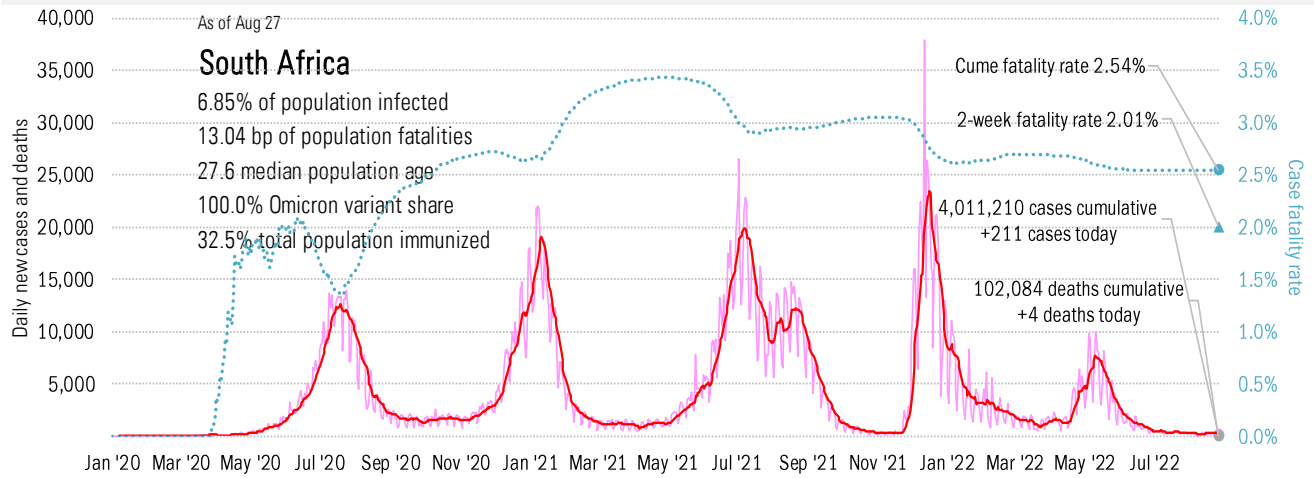
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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