

Data Insights: Covid-2019 Monitor

Thursday, September 29, 2022

The global scorecard

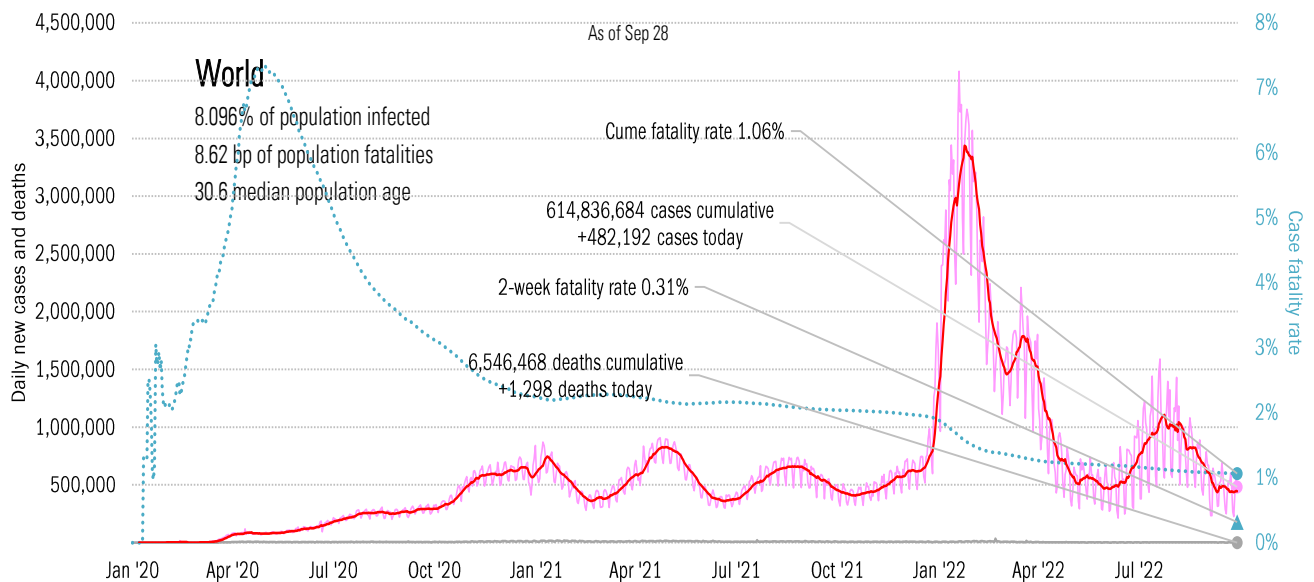
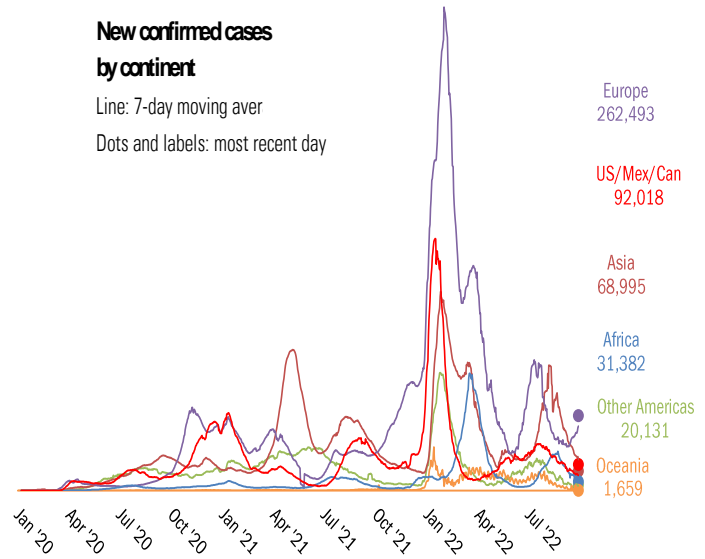
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Germany	78,863	United States	566
France	51,907	Russia	107
United States	50,219	Germany	94
Taiwan*	48,543	Brazil	92
Russia	39,730	Italy	48
Italy	36,795	Hungary	46
Korea, South	30,846	Korea, South	46
Brazil	15,902	Canada	41
Austria	14,848	Taiwan*	38
Hungary	11,392	France	36
379,045		1,114	
World	482,192	World	1,298
Top ten	79%	Top ten	86%

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

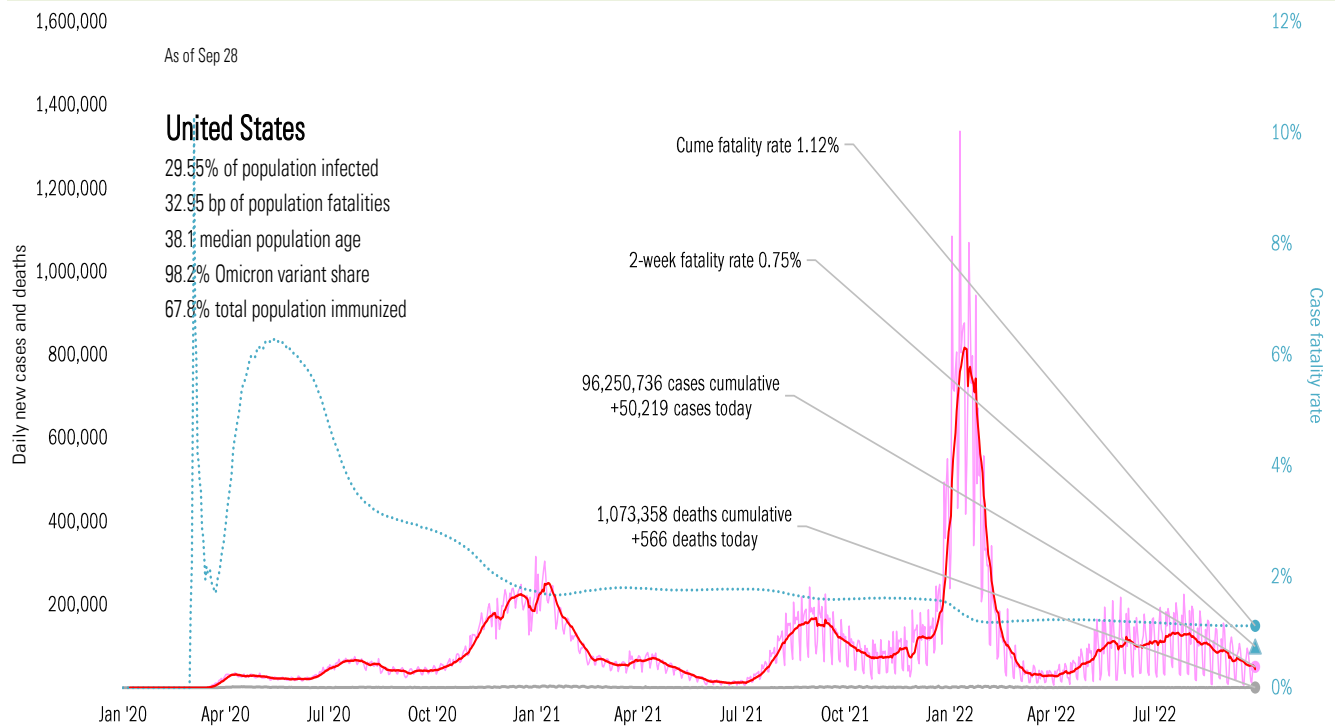
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use			
FL	5,774		KS	68		PA	213		CA	11,239,091		CA	95,869		TX	545,304		RI	92%		RI	86%	
NY	4,307		FL	43		GA	137		TX	7,982,208		TX	90,829		CA	499,000		MA	87%		TX	86%	
NJ	2,512		IN	34		TX	276		FL	7,150,975		FL	81,367		FL	492,857		MN	85%		MA	85%	
WA	2,331		CA	29		NV	17		NY	6,110,086		NY	71,737		NY	298,920		GA	84%		NH	83%	
NC	2,299		IL	29		NH	19		IL	3,758,292		PA	47,213		GA	225,743		WA	84%		AK	83%	
MI	2,097		WA	28		MT	24		PA	3,254,503		GA	40,281		CH	217,915		MO	83%		DE	82%	
CH	2,077		NV	26		CO	45		NC	3,198,866		CH	39,767		PA	203,394		NH	83%		VT	82%	
PA	2,030		NY	26		PR	17		CH	3,131,645		IL	39,666		IL	186,394		DE	82%		WA	81%	
H	1,822		AR	25		VI	75		GA	2,905,400		MI	38,624		MI	162,237		MI	81%		NC	80%	
IL	1,584		VA	23		DE	15		MI	2,836,167		NJ	34,731		KY	144,975		MD	81%		AL	80%	
26,832			331			838			51,567,233			580,084			2,976,739								
All states	50,219		566			3,607			All states	96,250,736		1,073,358			5,399,928			All states	70%		67%		
Top ten	53%		58%			23%			Top ten	54%		55%			55%			Median	76%		73%		

Some states not reporting

Five most improved US states

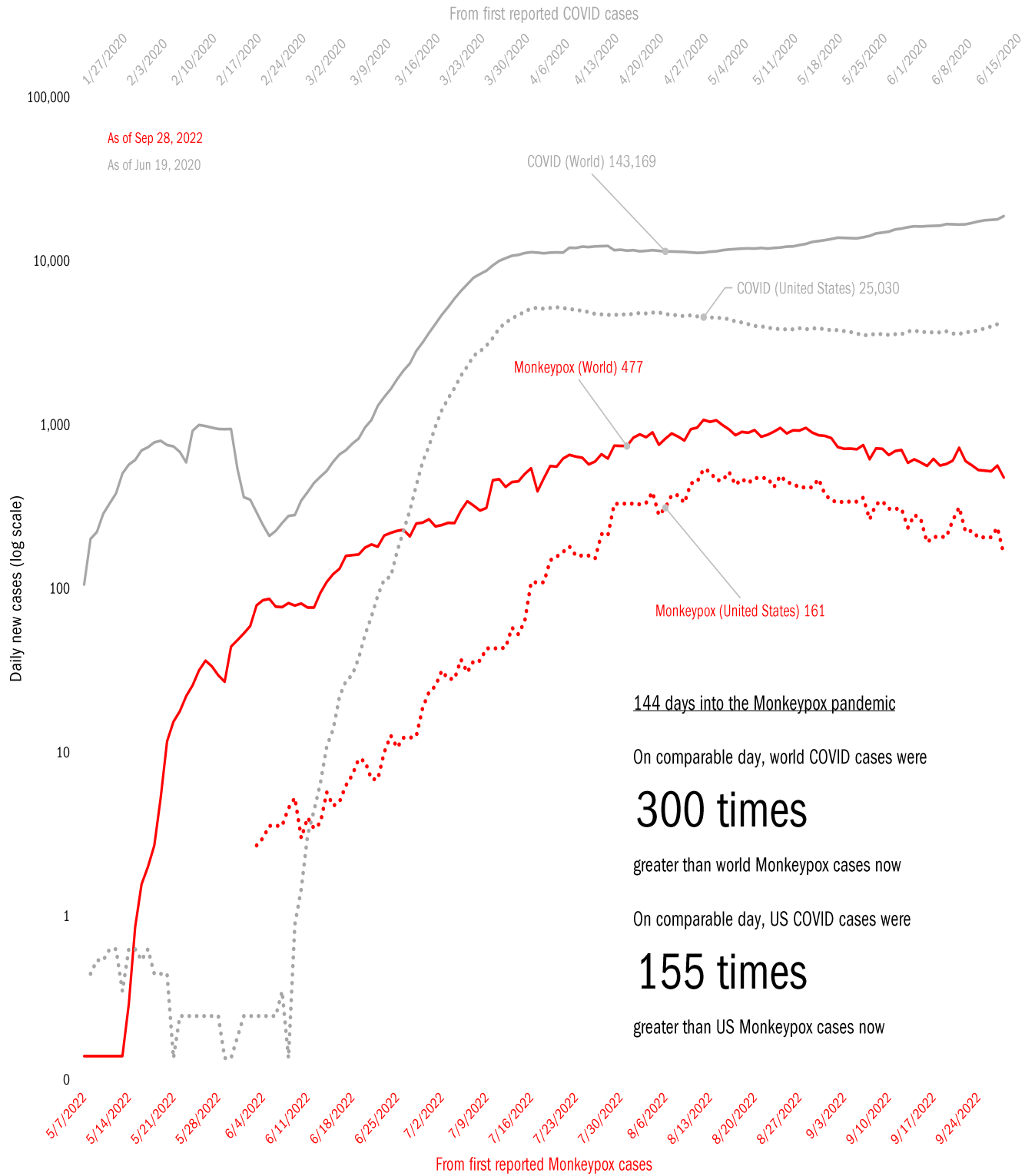
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-1,227	NY	-18	NY	-92
MD	-811	TN	-12	IL	-70
WA	-538	MD	-6	NC	-53
NE	-359	AZ	-5	WA	-39
LA	-255	WV	-2	NJ	-38



Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

The Monkeypox contextualizer

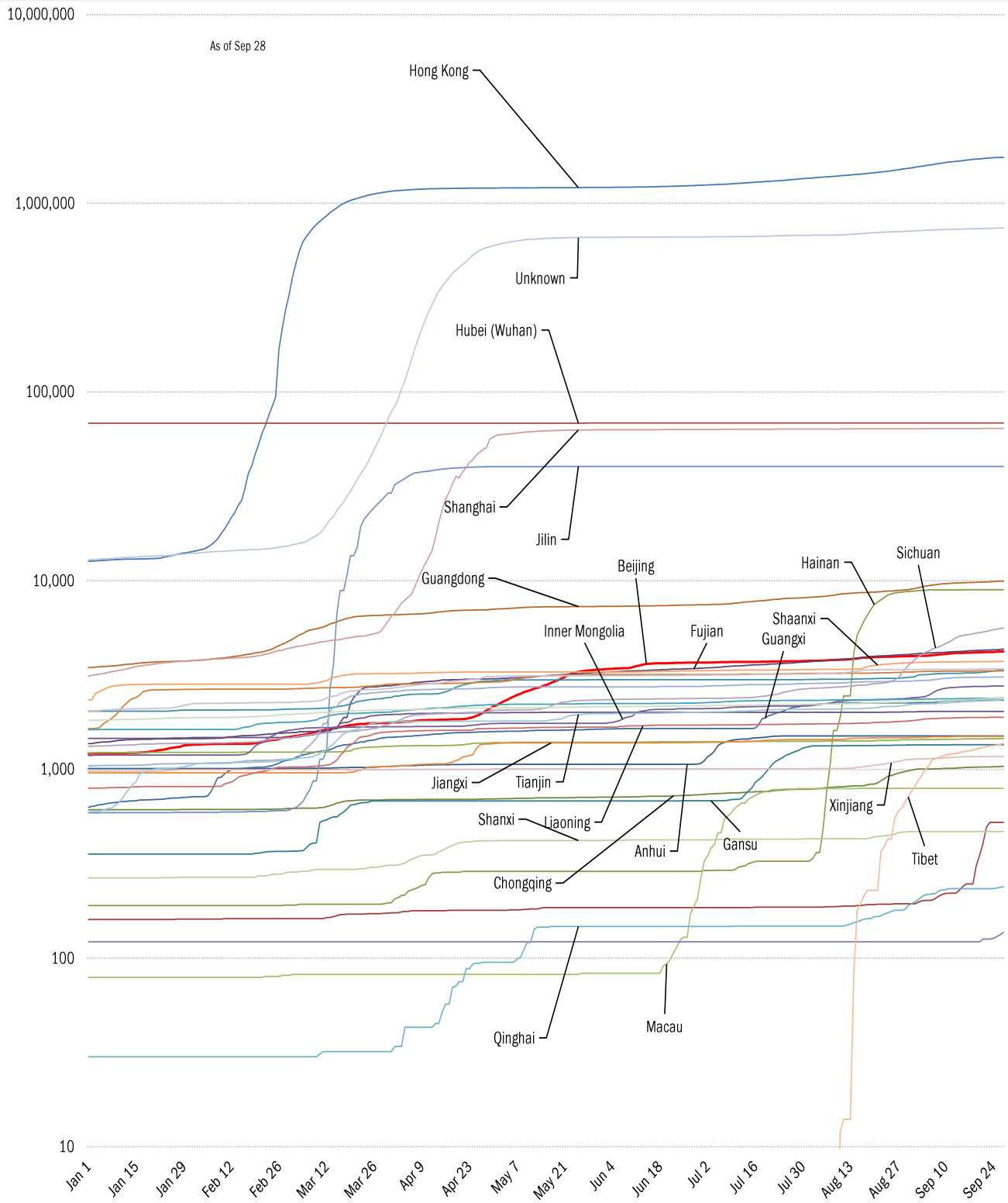
The course of case growth versus COVID



Source: [Our World In Data](#), TrendMacro calculations

China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

Cumulative reported cases this year, log scale: flat line indicates "zero Covid"

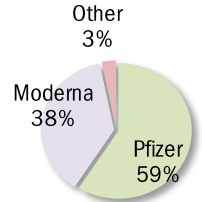


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	631,639,689		+0.490 million	US	67.8%	79.5%
of which boosters	111,721,786		+0.055 million	UK	75.4%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	272,009,452	81%	231,527,726	69%	+0.050 million	France 78.7% 80.9%
Age 12 to 17	18,203,927	72%	15,554,814	61%	+0.002 million	Spain 85.6% 87.0%
Age 18 to 64	181,388,452	89%	154,049,342	76%	+0.024 million	Germany 76.1% 77.7%
Age 65 and over	59,876,702	100%	52,388,902	96%	+0.011 million	Italy 81.0% 85.8%
						Australia 84.0% 86.6%
						Israel 66.2% 72.3%
						Canada 82.7% 87.2%
						Japan 82.5% 83.6%
						Africa 22.6% 28.5%
						India 67.3% 72.9%
						Brazil 80.3% 87.2%
						China 89.1% 91.4%



AK	71.7%
	63.5%

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

Best
Middle
Worst

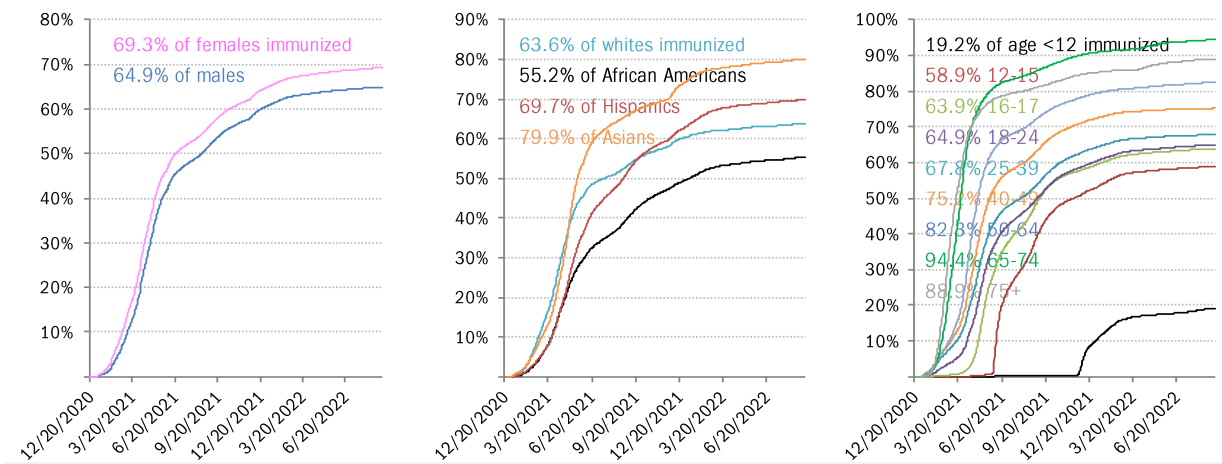
"Immunity" = two doses

As of Sep 23

Global data differs due to sources, timing

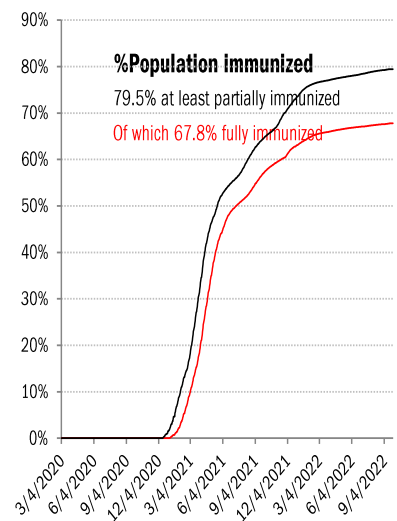
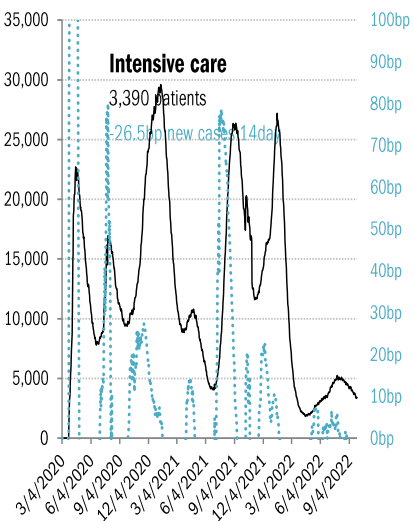
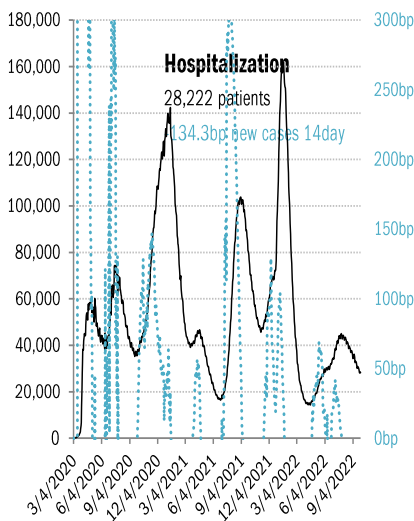
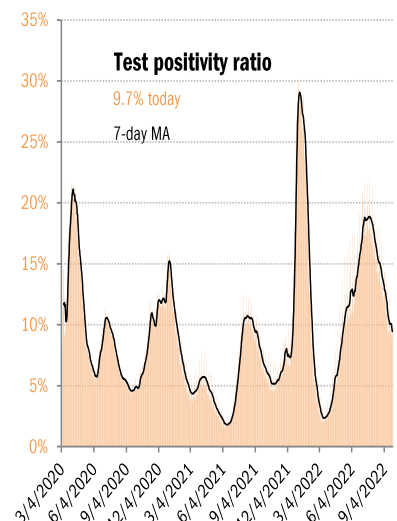
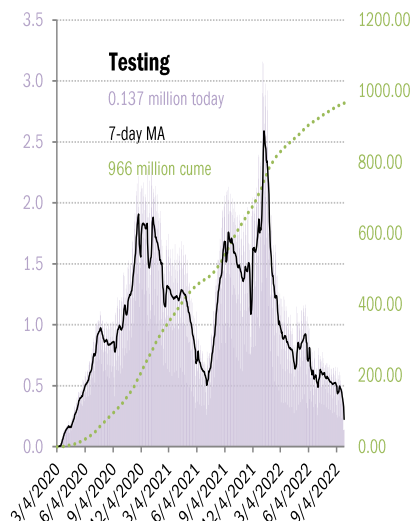
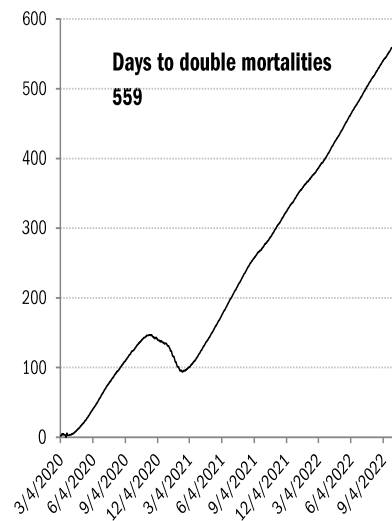
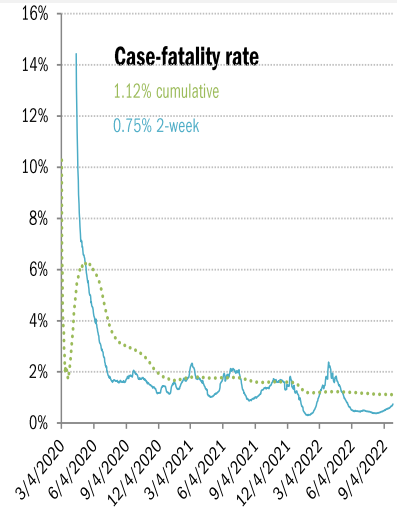
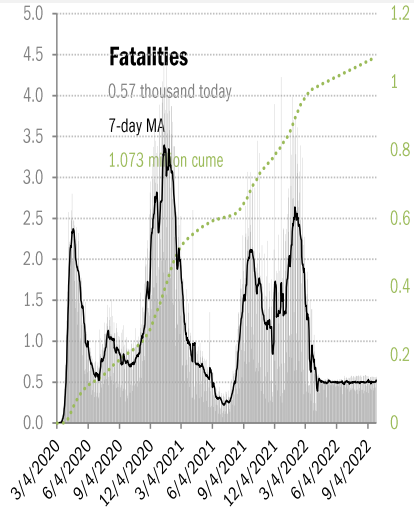
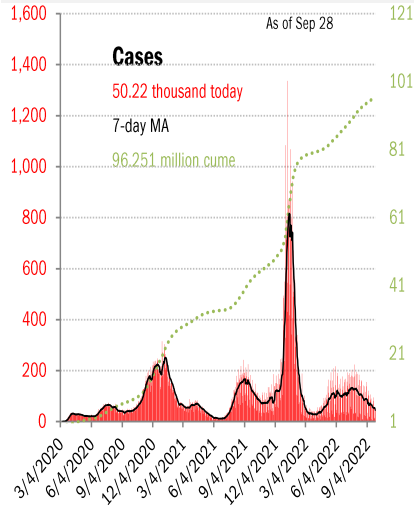
					WI							ME
					73.4%							93.5%
					66.8%							81.5%
WA	ID	MT	ND	MN	IL	MI				NY	VT	NH
83.2%	62.6%	66.8%	67.3%	77.0%	77.5%	68.3%			92.3%	95.0%	91.4%	
74.0%	55.3%	58.0%	56.8%	70.6%	69.8%	61.3%			78.8%	83.2%	72.8%	
OR	NV	WY	SD	IA	IN	OH	PA			NJ	MA	
79.7%	77.2%	59.4%	79.8%	69.4%	63.3%	64.6%	87.8%		92.7%	95.0%		
70.9%	62.1%	52.0%	64.0%	63.1%	56.9%	59.5%	70.8%		77.4%	81.2%		
CA	UT	CO	NE	MO	KY	WV	VA			MD	CT	RI
84.3%	73.8%	81.7%	71.9%	67.8%	67.6%	66.4%	88.2%		89.3%	95.0%	95.0%	
73.7%	65.5%	71.8%	64.9%	57.5%	58.5%	58.8%	74.9%		77.7%	81.1%	85.3%	
	AZ	NM	KS	AR	TN	NC	SC			DC	DE	
	75.8%	90.8%	74.4%	68.4%	63.5%	87.9%	69.5%		95.0%	85.7%		
	63.4%	73.0%	63.6%	55.7%	55.6%	64.0%	58.5%		80.2%	71.2%		
			OK	LA	MS	AL	GA					
			72.9%	62.1%	61.0%	64.1%	67.1%					
			58.8%	54.4%	53.1%	52.3%	56.2%					
			TX							FL		PR
			74.7%							81.1%		95.0%
			62.2%							68.4%		85.0%

The demographics of US vaccination

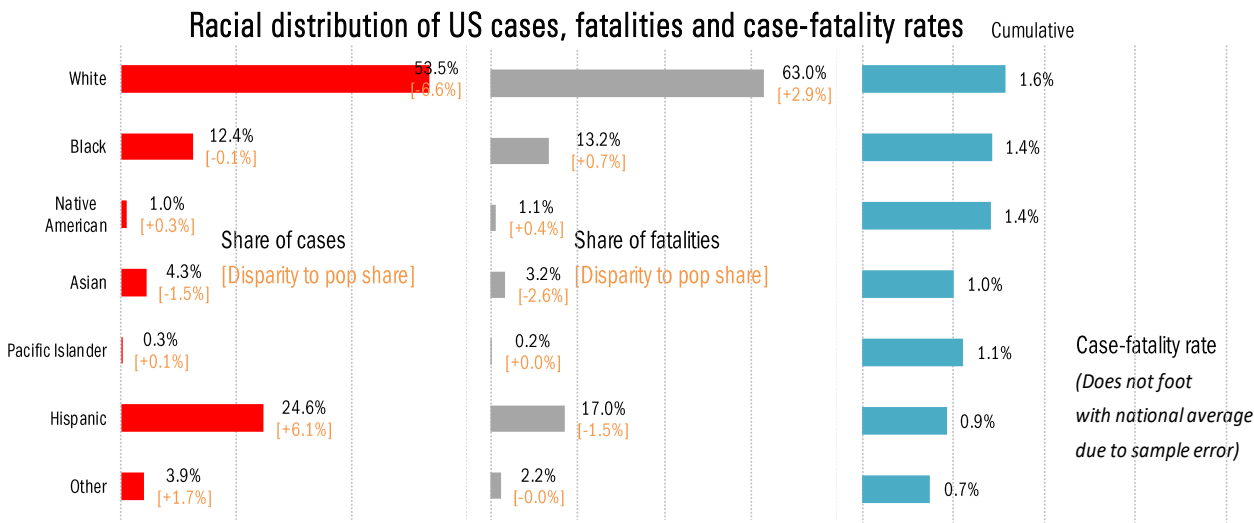
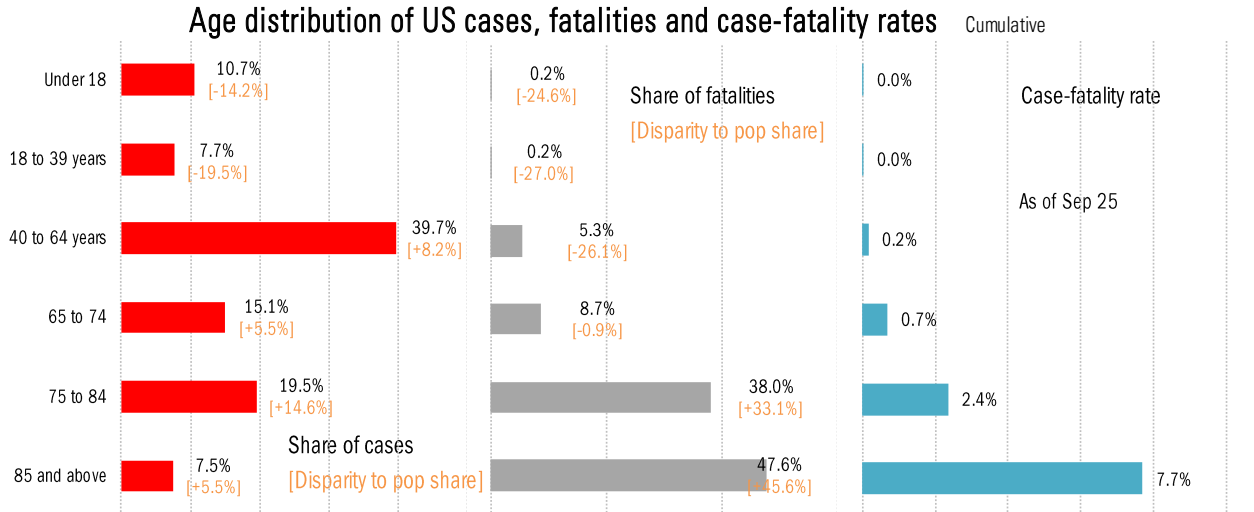


Source: CDC, CDC, Our World in Data, TrendMacro calculations

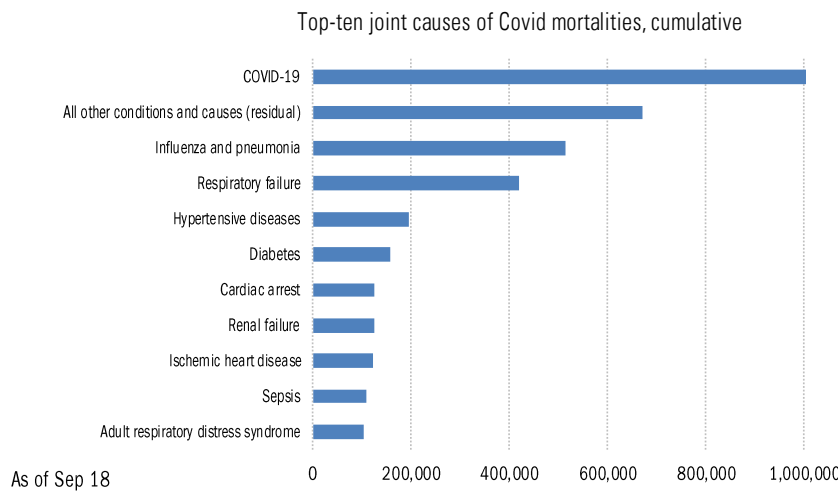
US deep-dive



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

[The Next Pandemic: Anxiety Over Life Itself](#)

Daniel Henninger
Wall Street Journal
September 28, 2022

[The number you'll never see](#)

Alex Berenson
Unreported Truths
September 28, 2022

[BREAKING: Fauci's Net Worth Soared To \\$12.6+ Million During Pandemic – Up \\$5 Million \(2019-2021\)](#)

Adam Andrzejewski
OpenTheBooks Substack
September 29, 2022

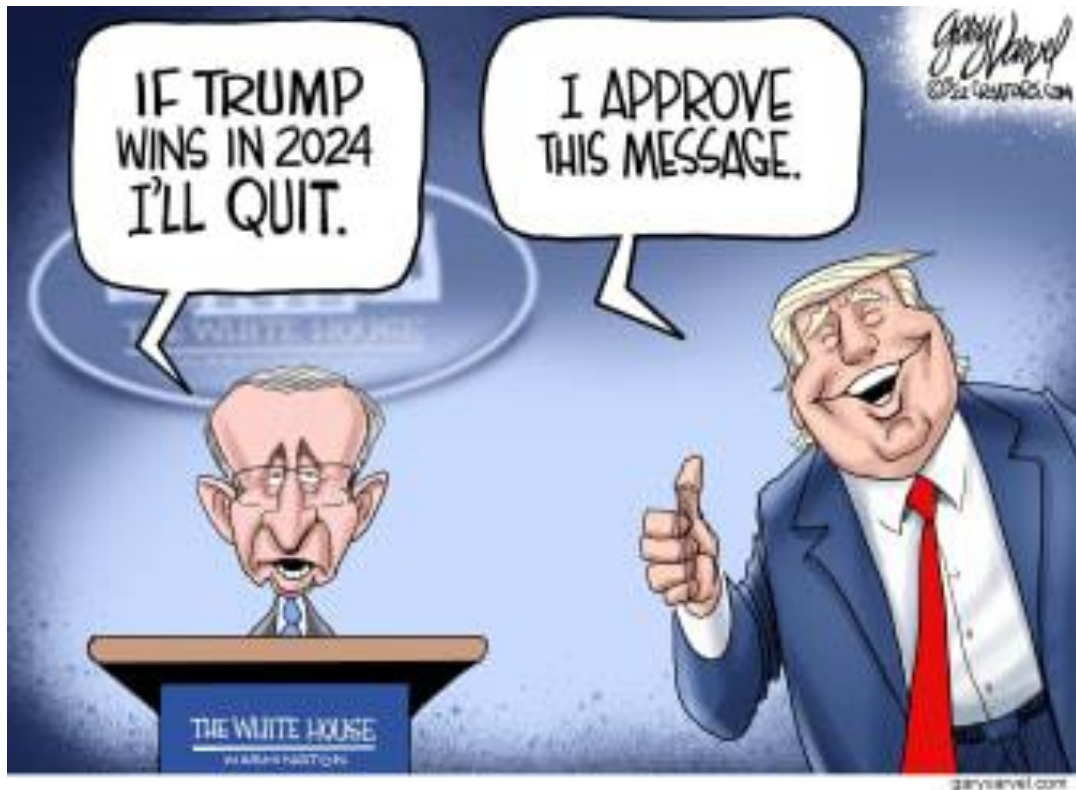
[CDC no longer recommends universal masking in health facilities](#)

Nathaniel Weixel
The Hill
September 26, 2022

[Covid Aid Left Out of Stopgap Funding Bill](#)

Stephanie Armour
Wall Street Journal
September 27, 2022

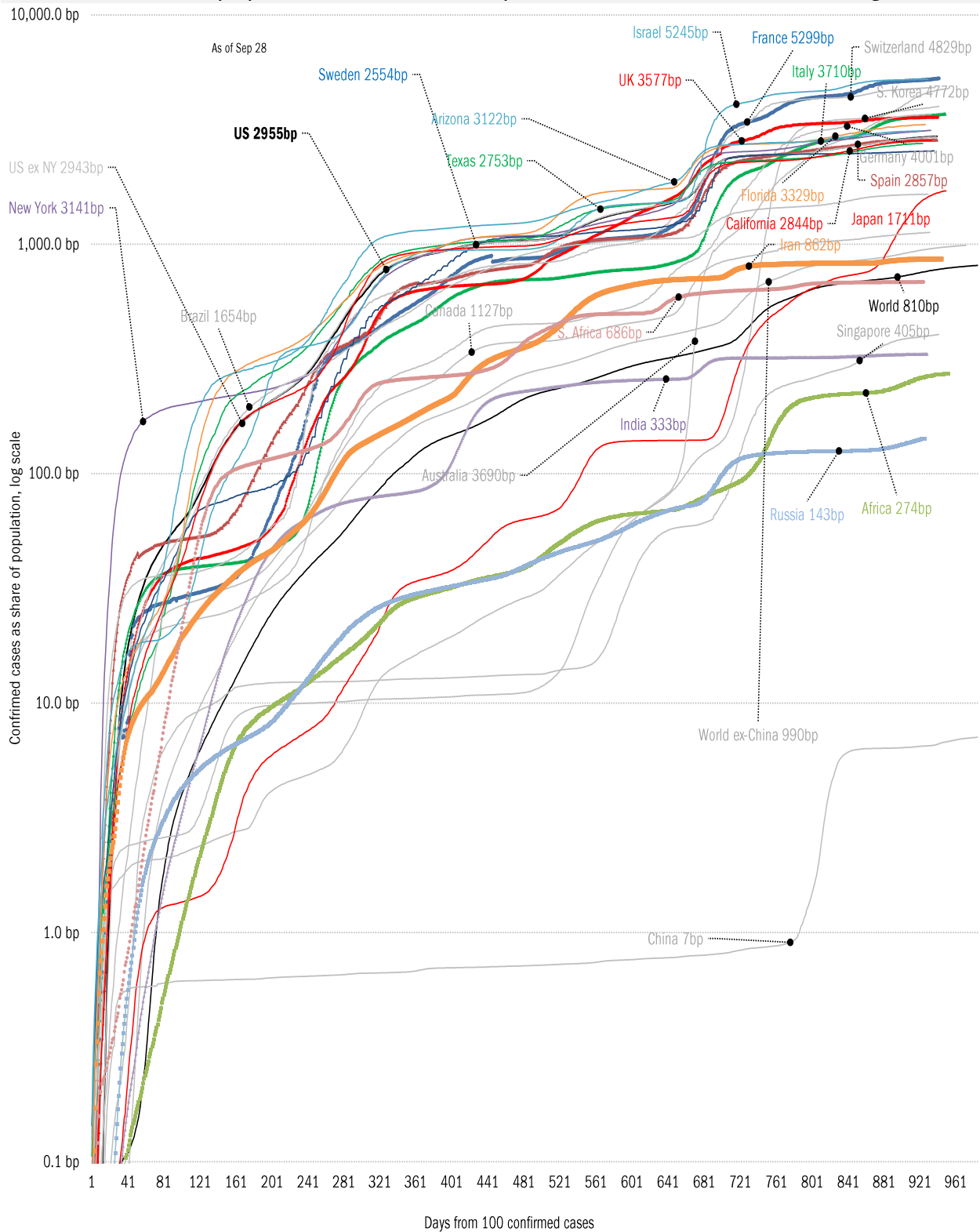
Meme of the day



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

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

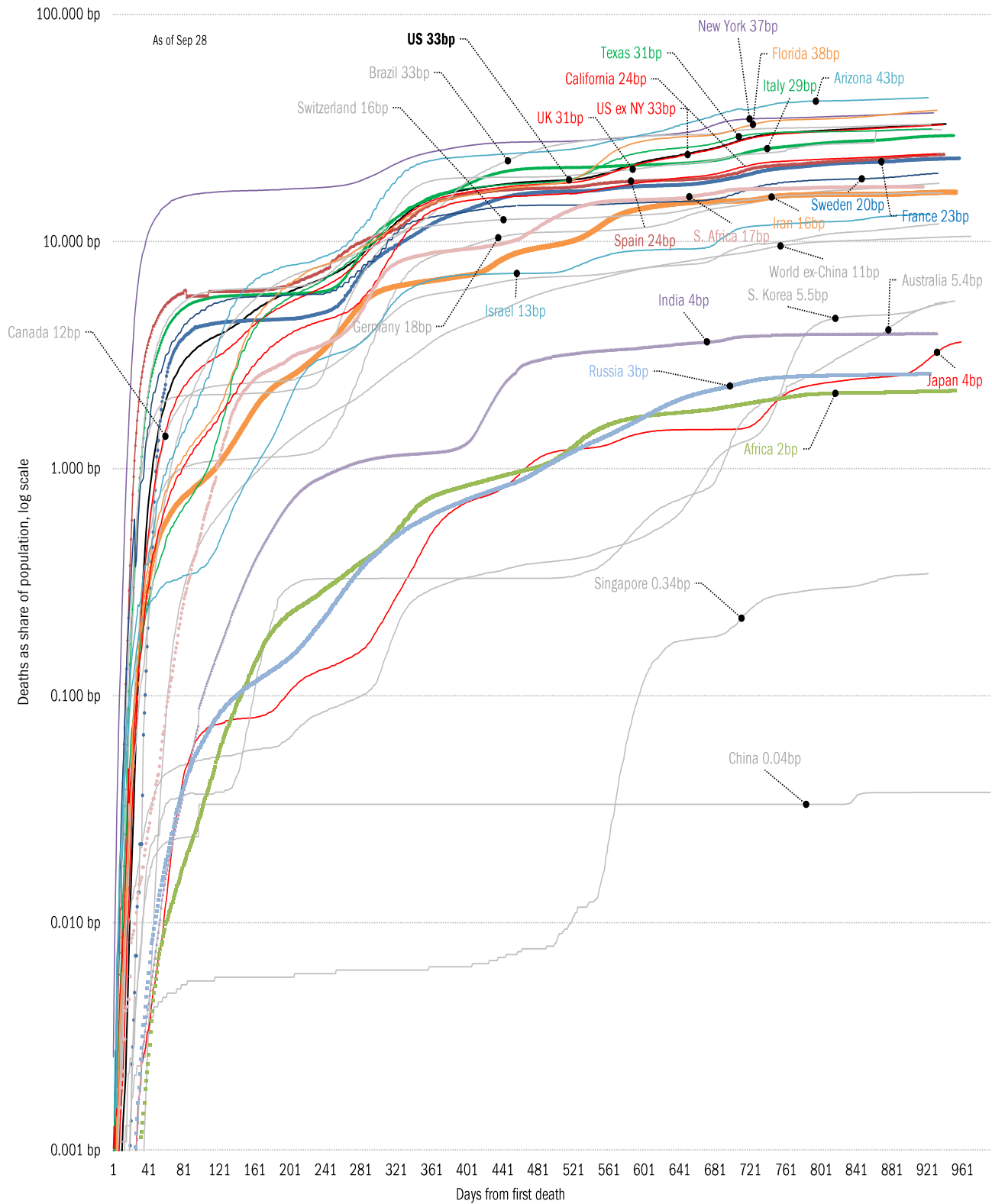
Share of infected population from first day with 100 confirmed cases, log scale



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

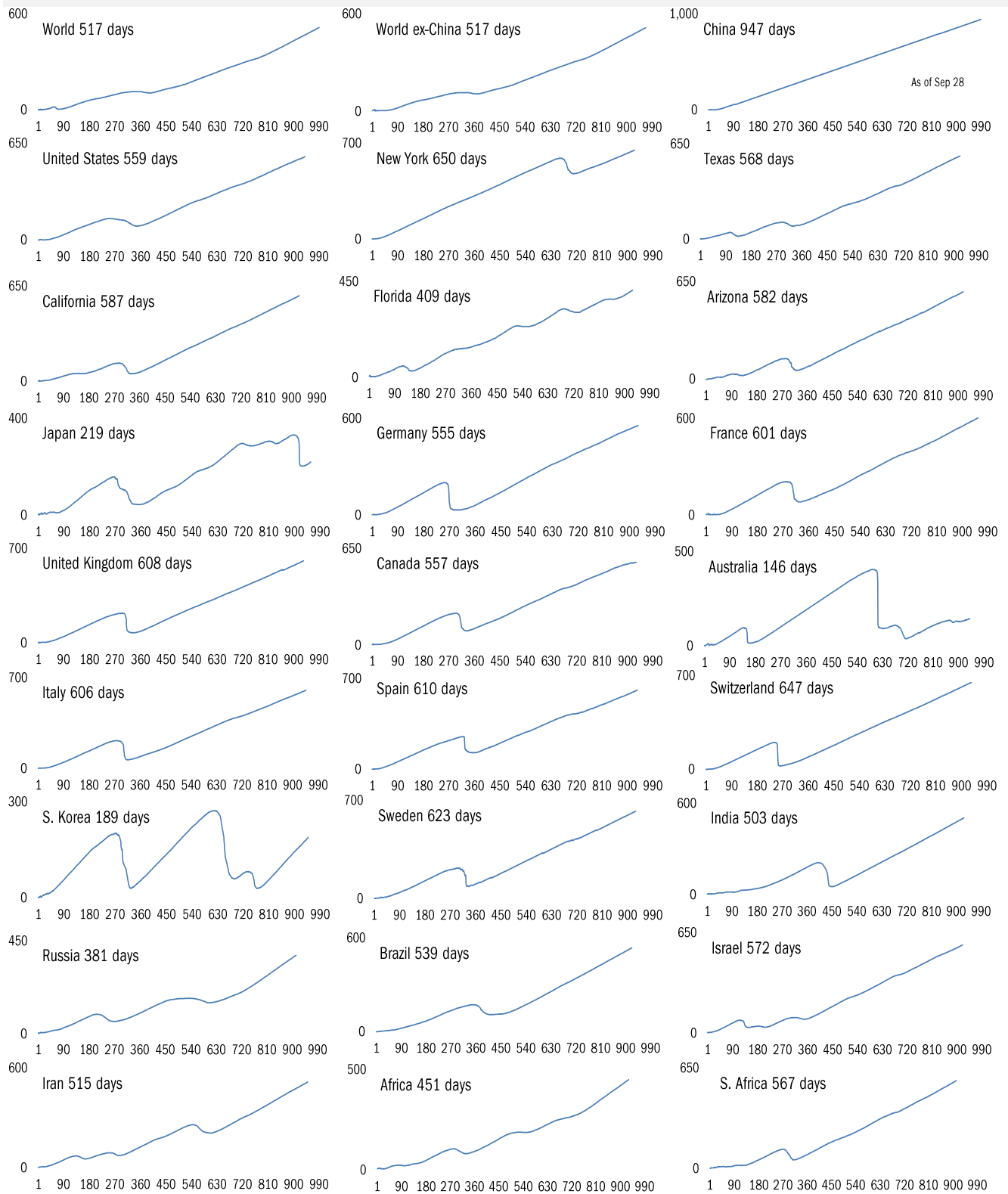


Source: [Johns Hopkins](#), TrendMacro calculations

Our most reliable evidence of the rate of spread of Covid-2019

Vertical: days to double deaths Horizontal: days from first death

Higher is good Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

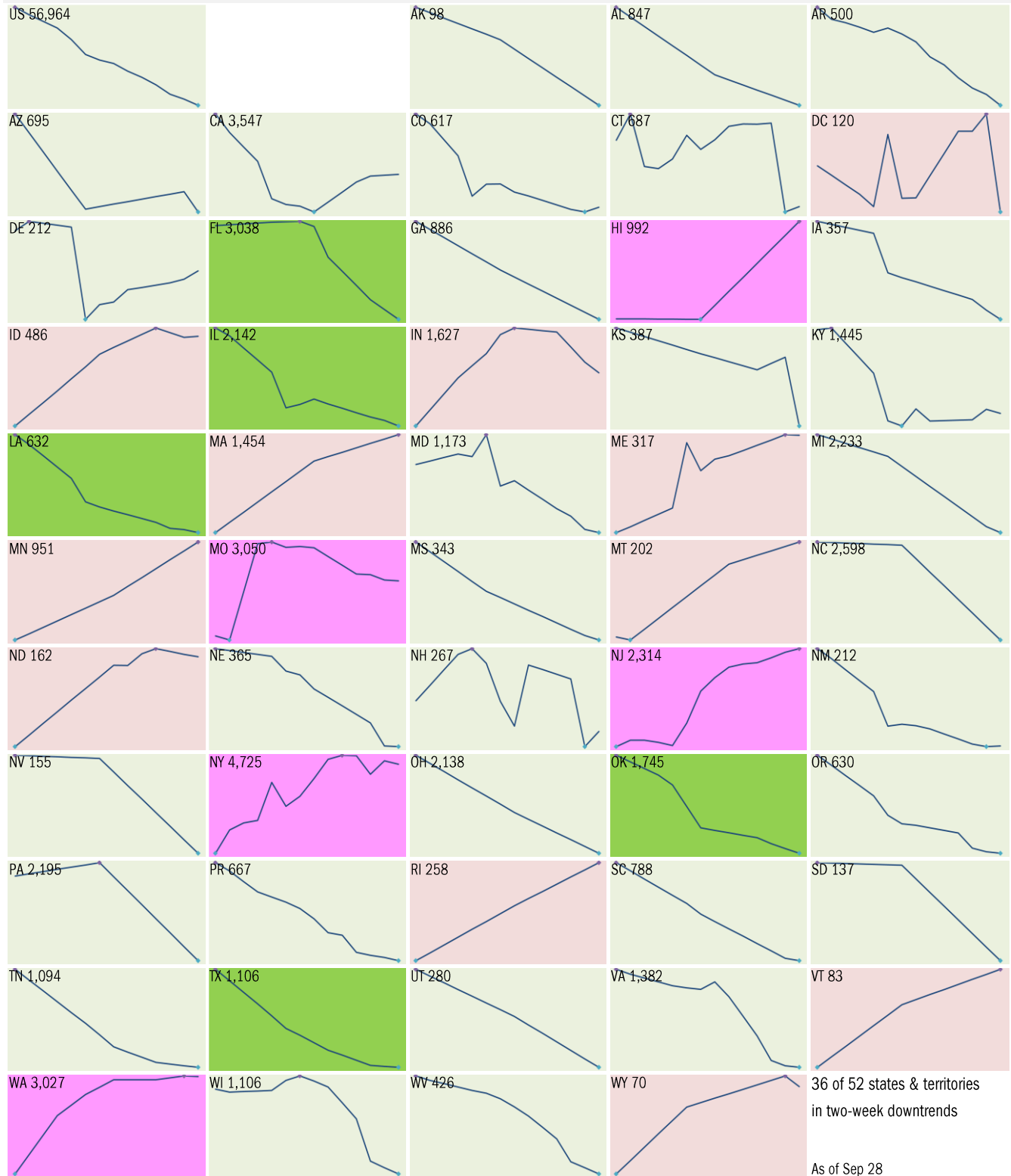


Source: [Johns Hopkins](#), TrendMacro calculations

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

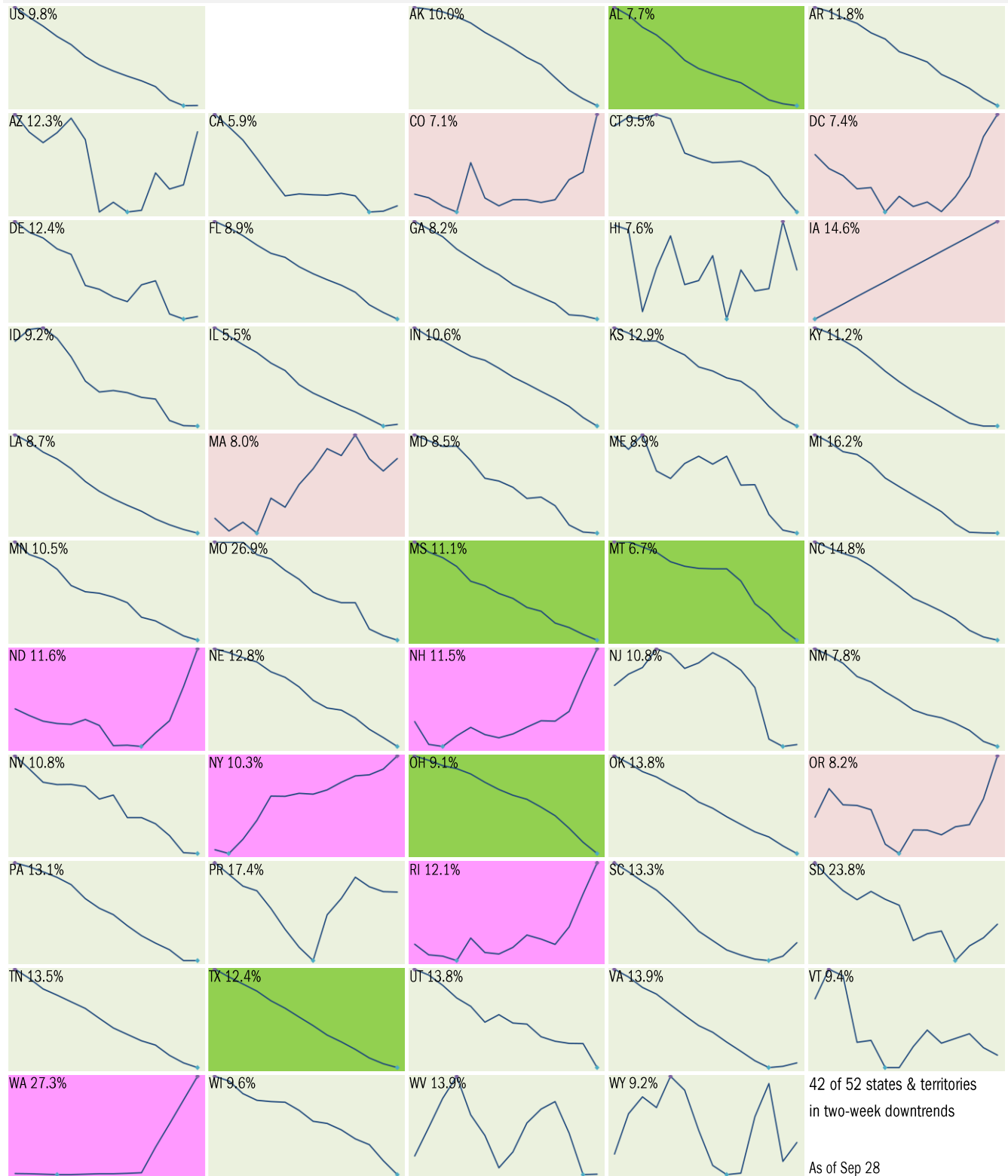


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

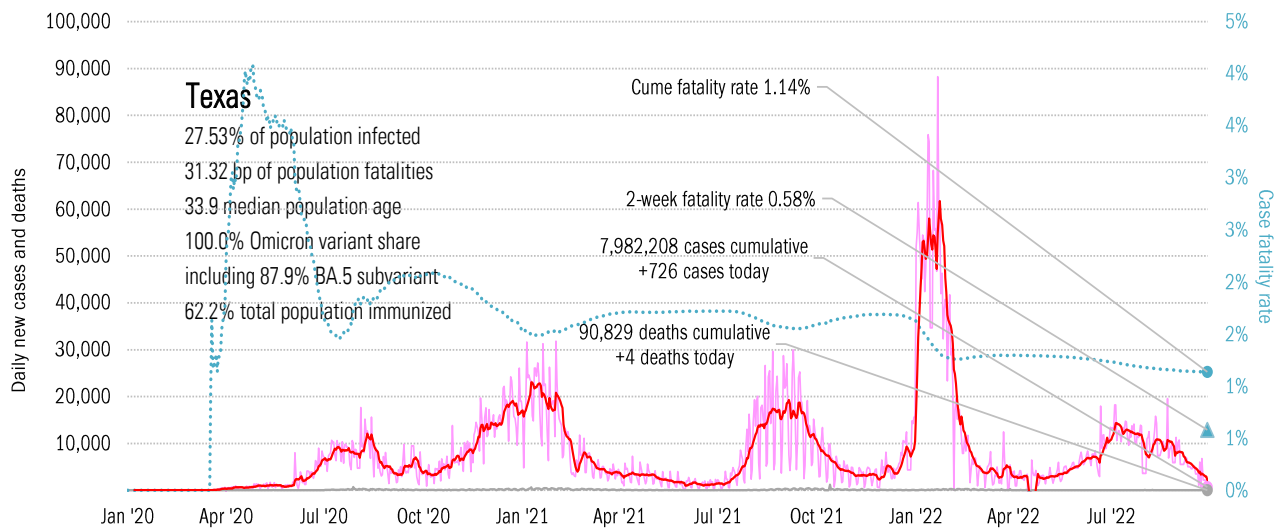
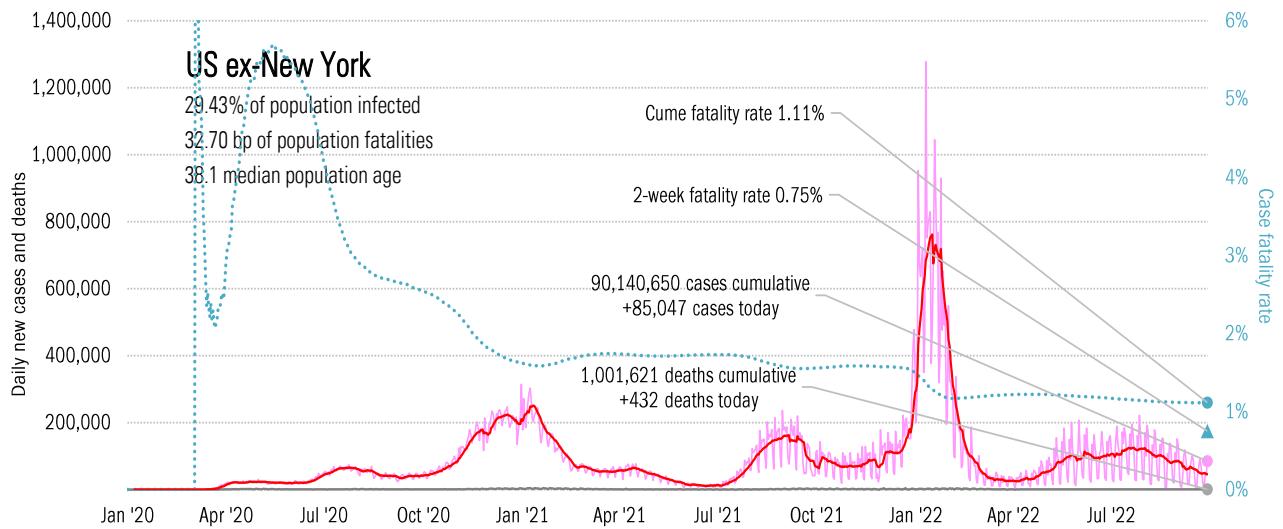
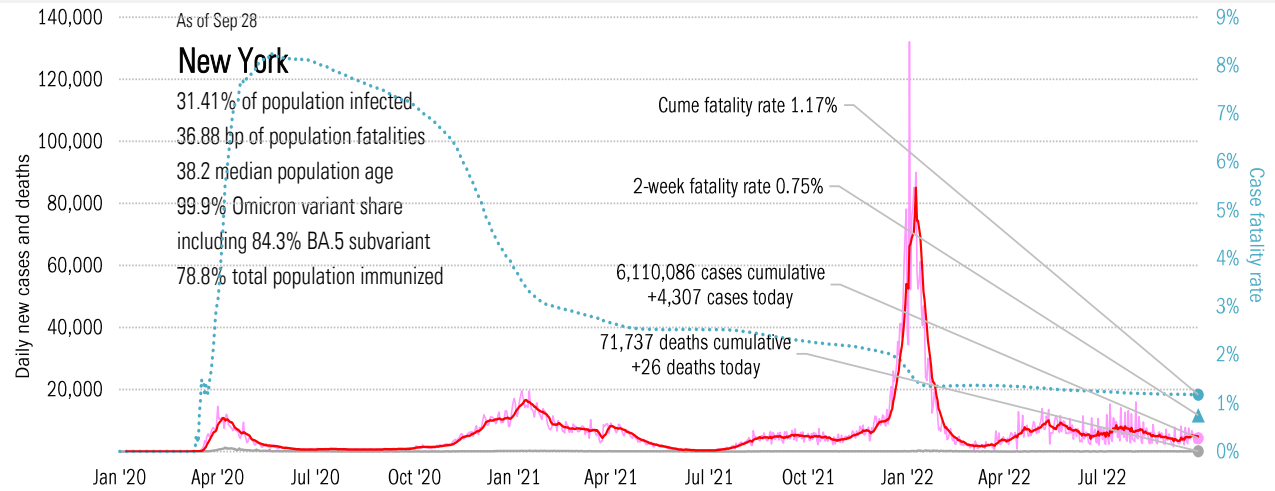
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

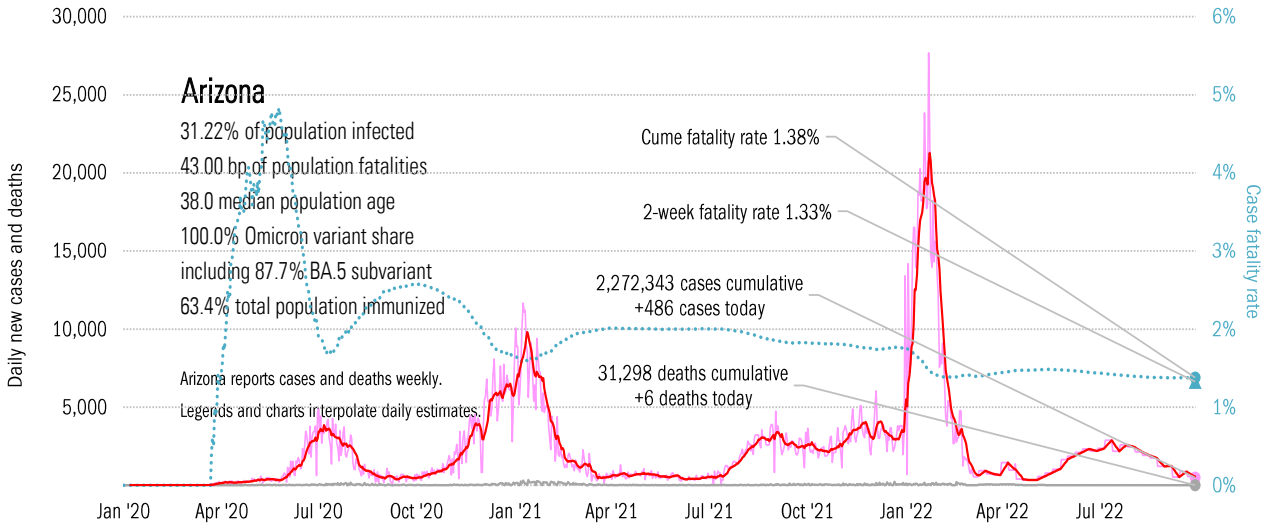
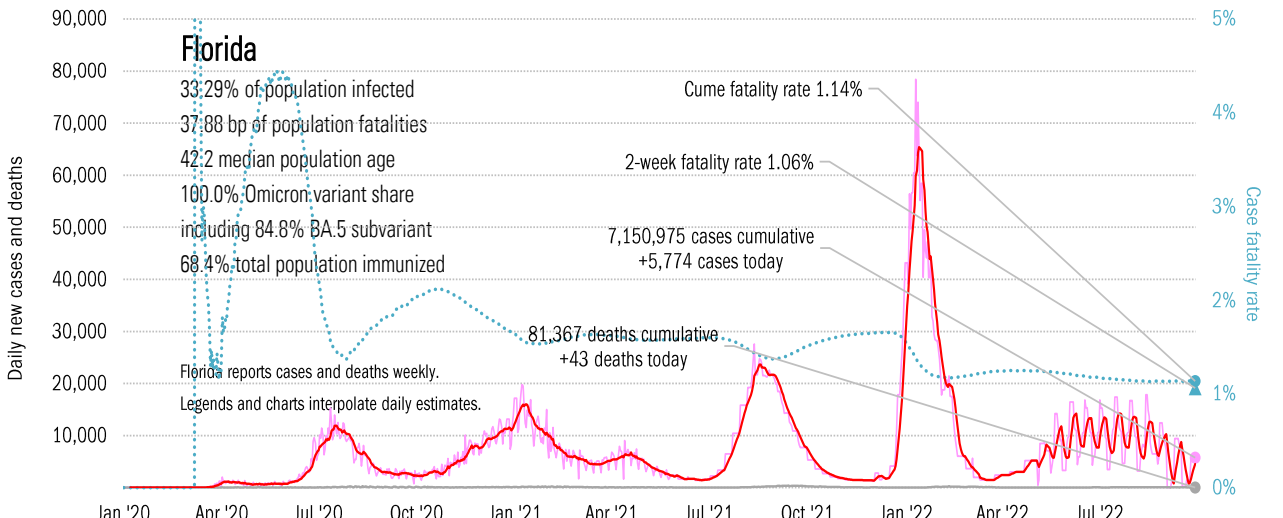
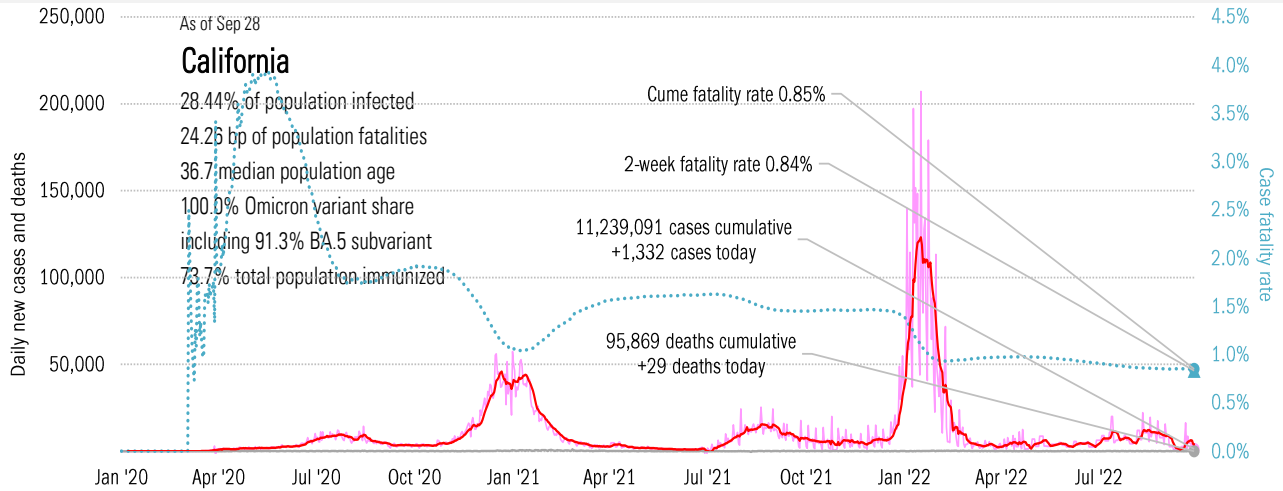
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

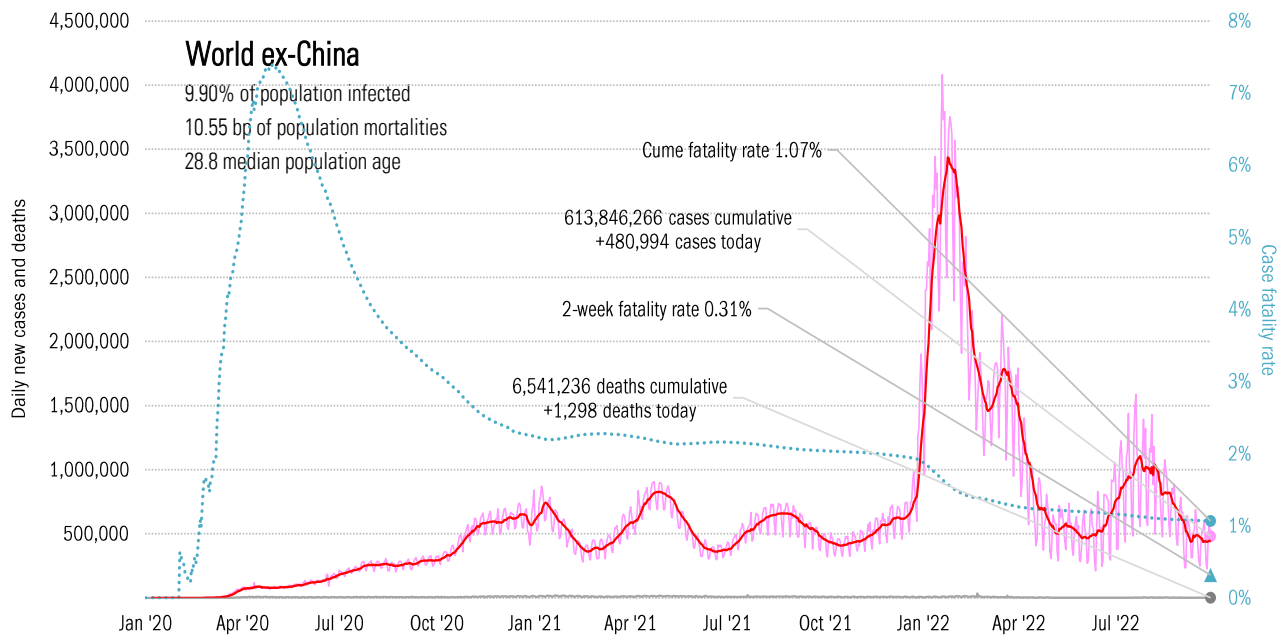
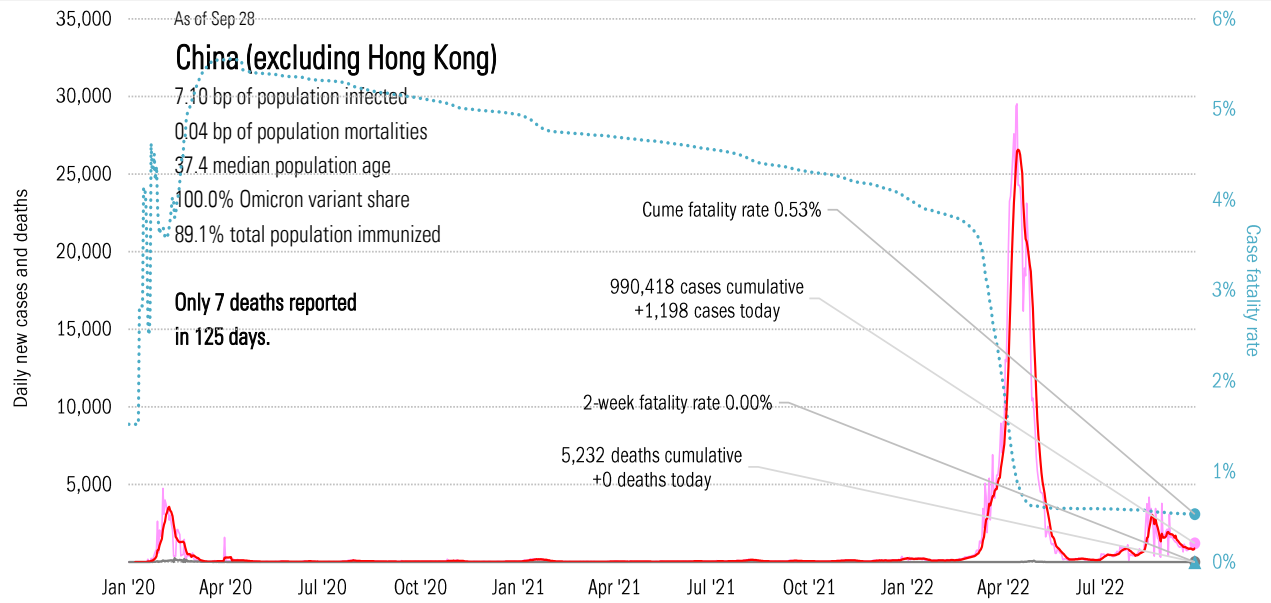
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

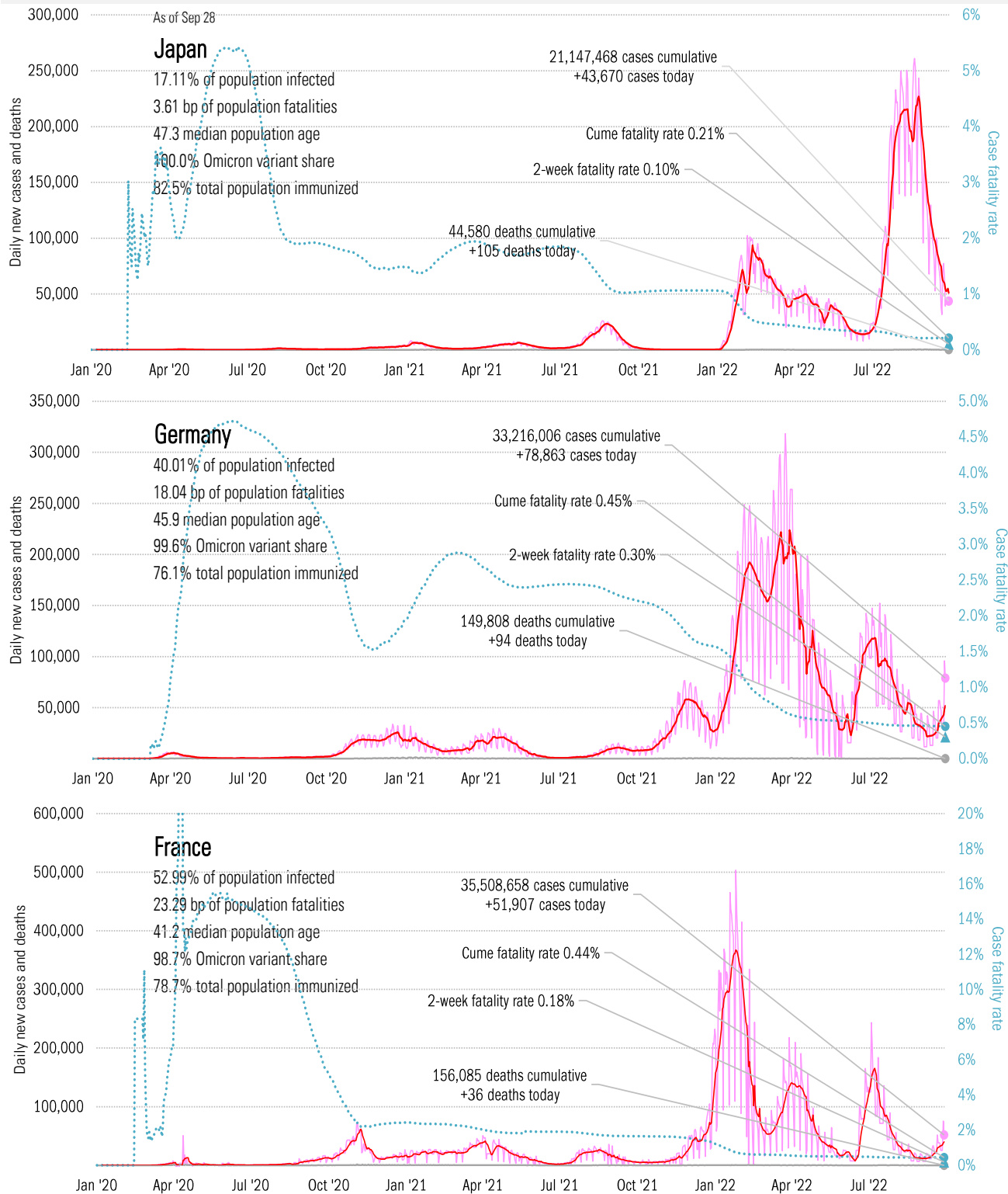
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

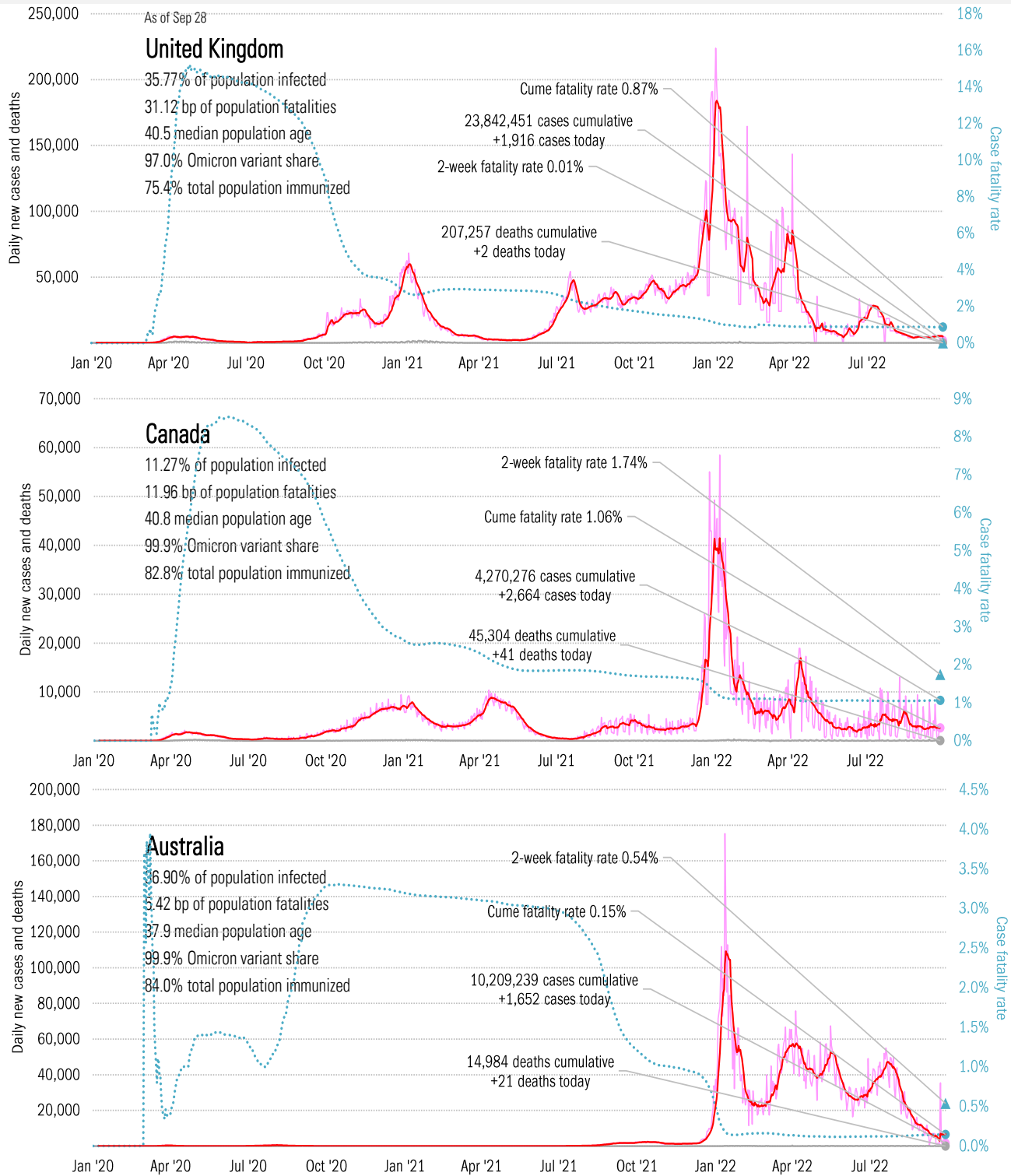
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

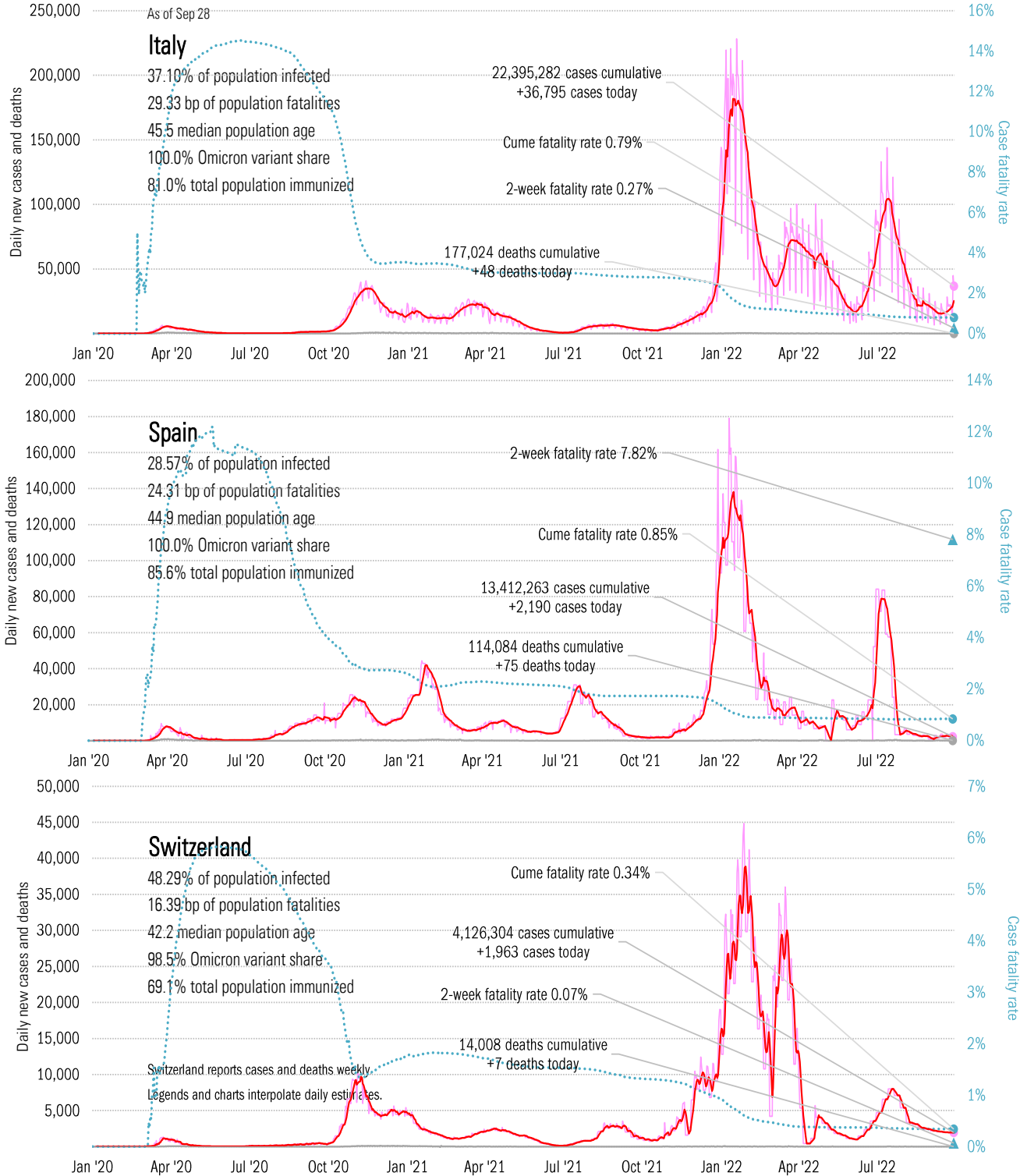
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

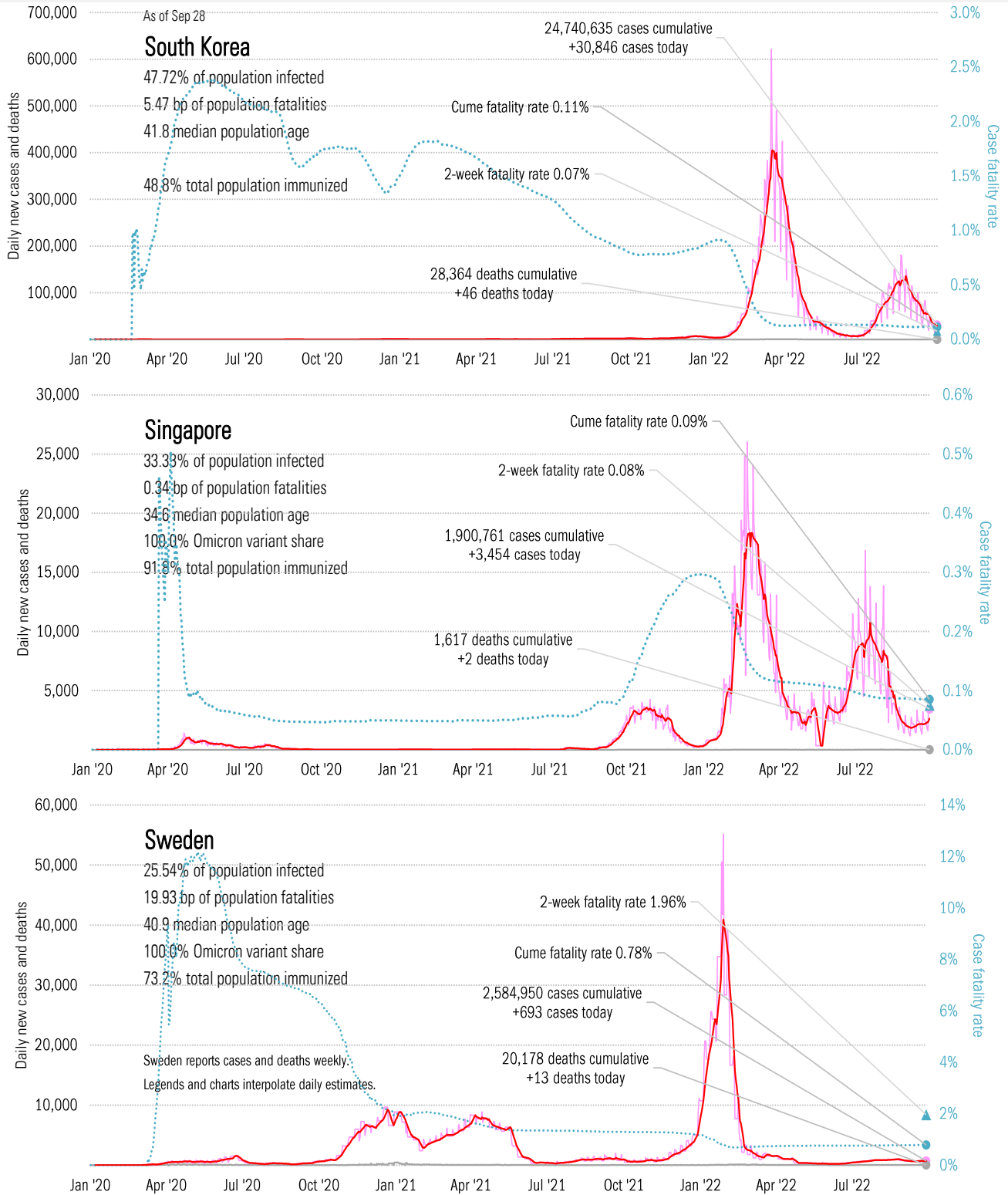
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

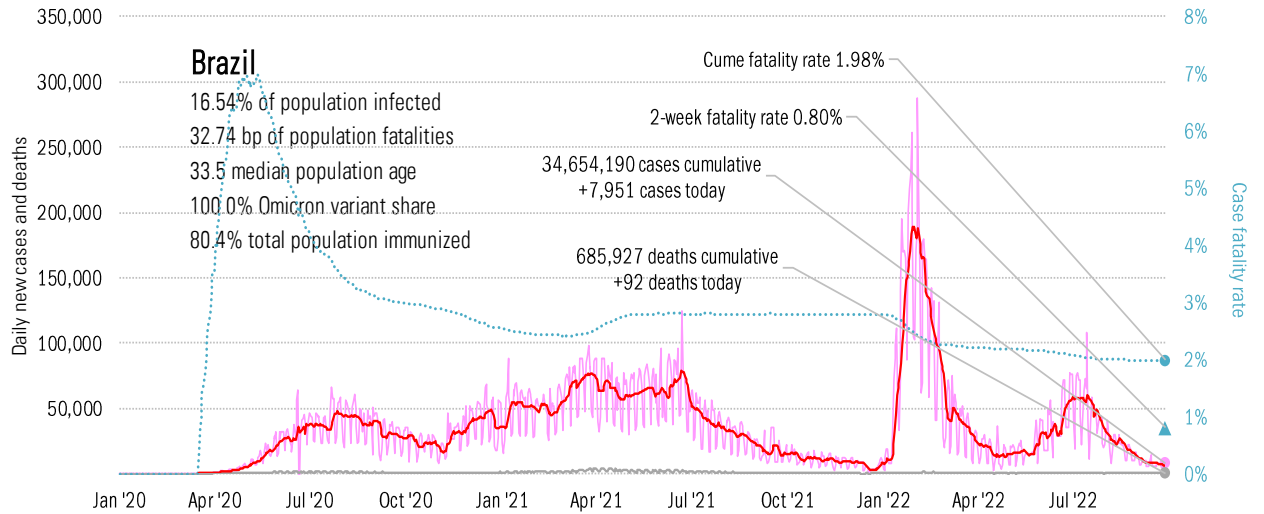
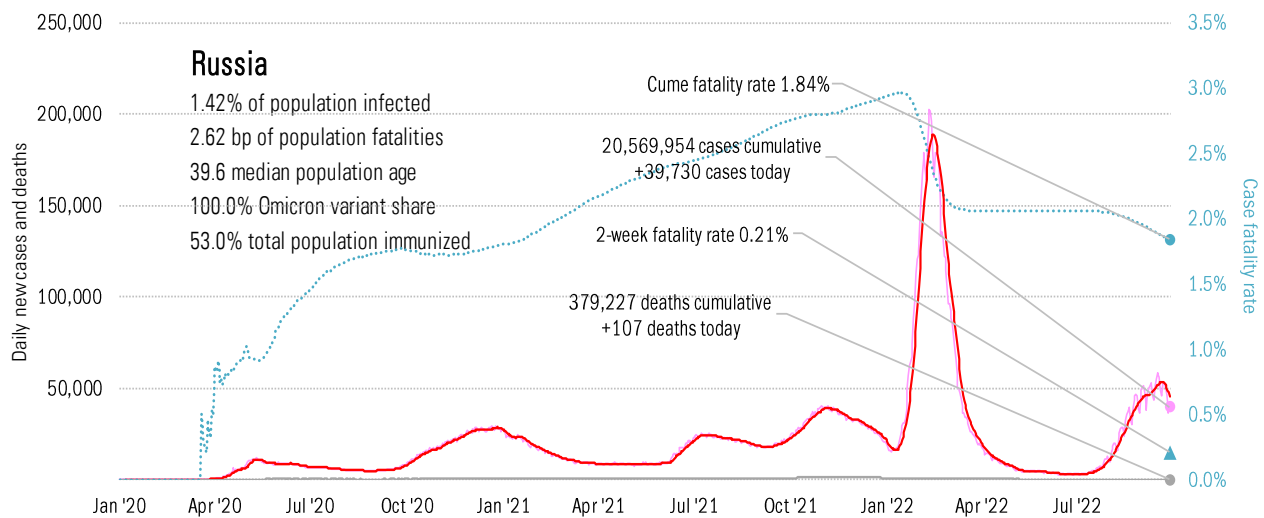
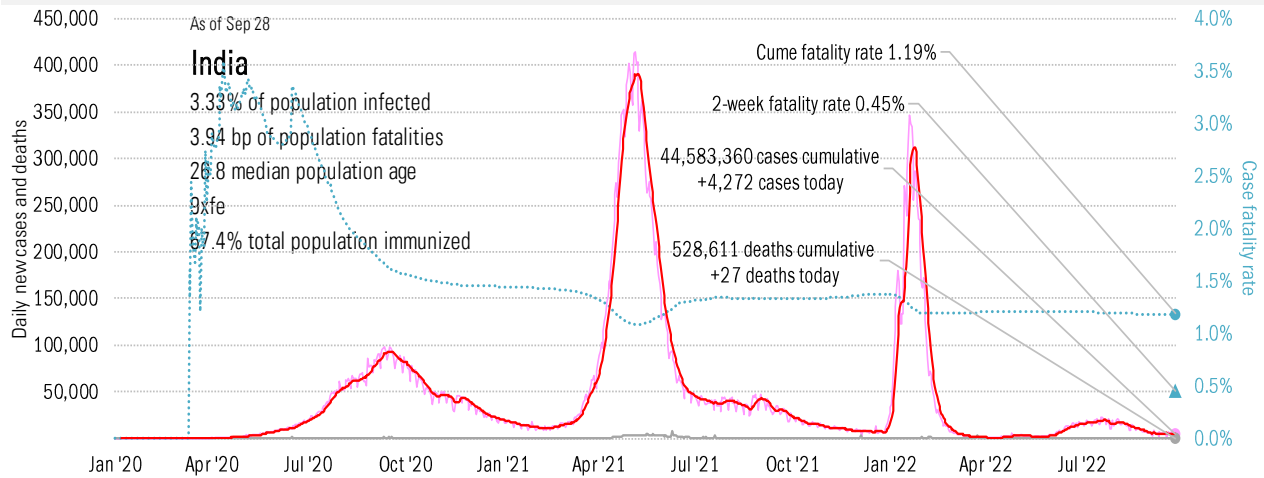
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

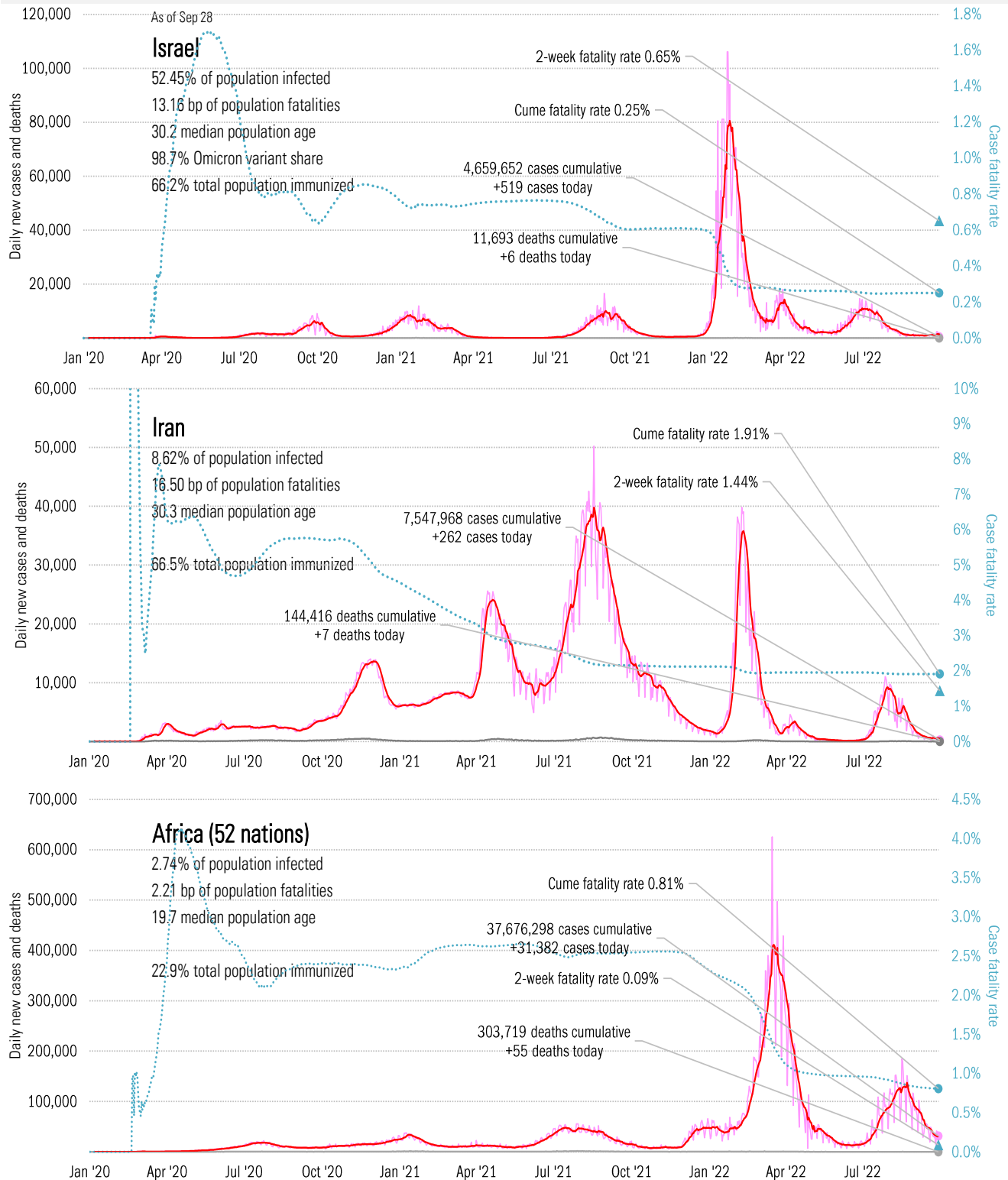
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

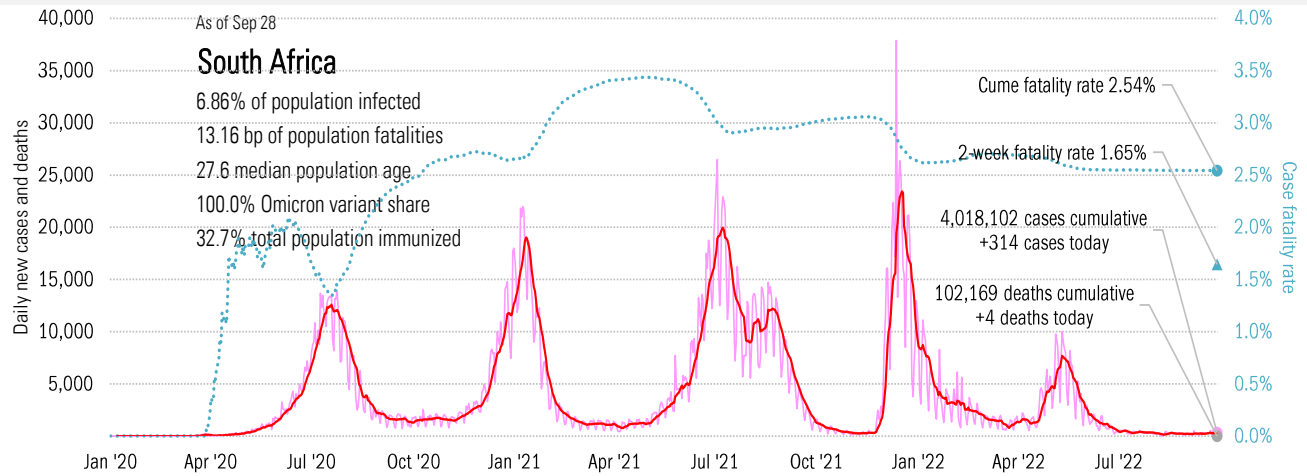
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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