

Data Insights: Covid-2019 Monitor

Wednesday, September 28, 2022

The global scorecard

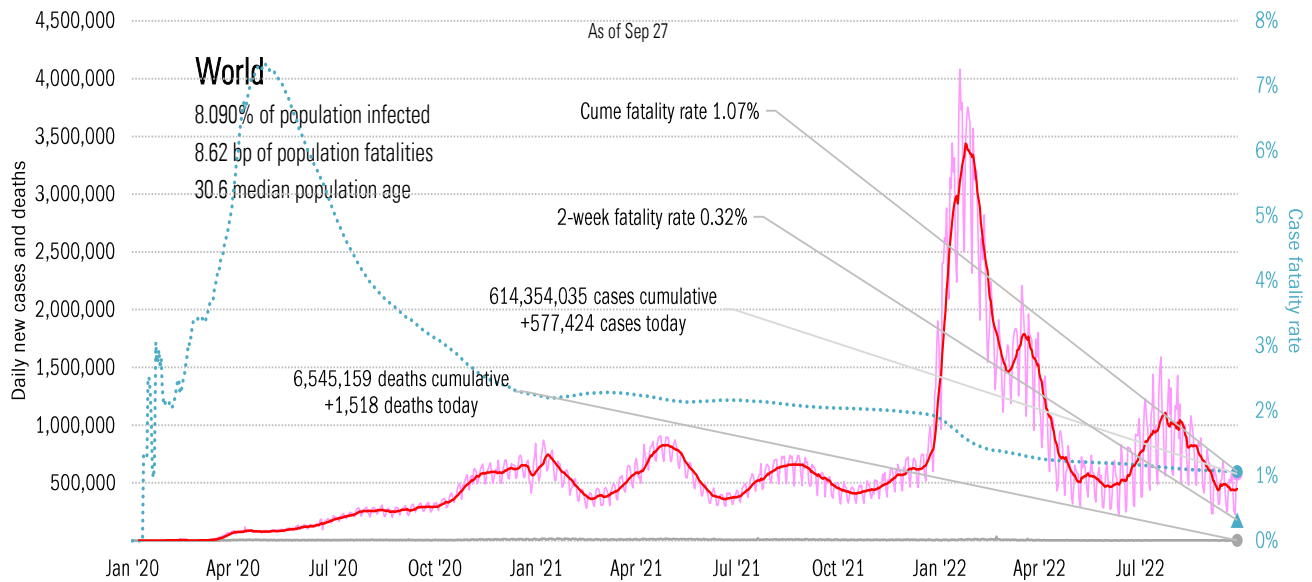
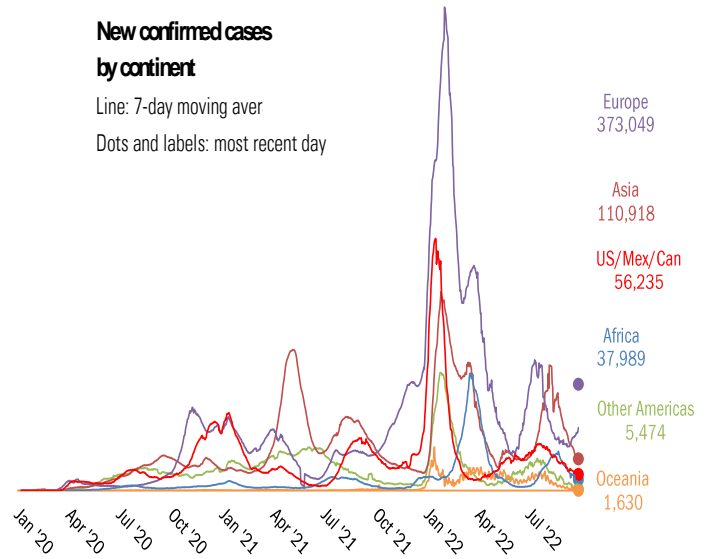
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Germany	95,811	United States	569
France	75,225	Germany	138
United States	58,126	Japan	105
Taiwan*	45,784	Greece	101
Greece	44,977	Russia	101
Italy	44,875	Spain	75
Japan	43,670	Italy	64
Russia	36,356	France	49
Korea, South	36,126	Korea, South	46
Switzerland	16,872	Costa Rica	37
497,822		1,285	
World	577,424	World	1,518
Top ten	86%	Top ten	85%

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

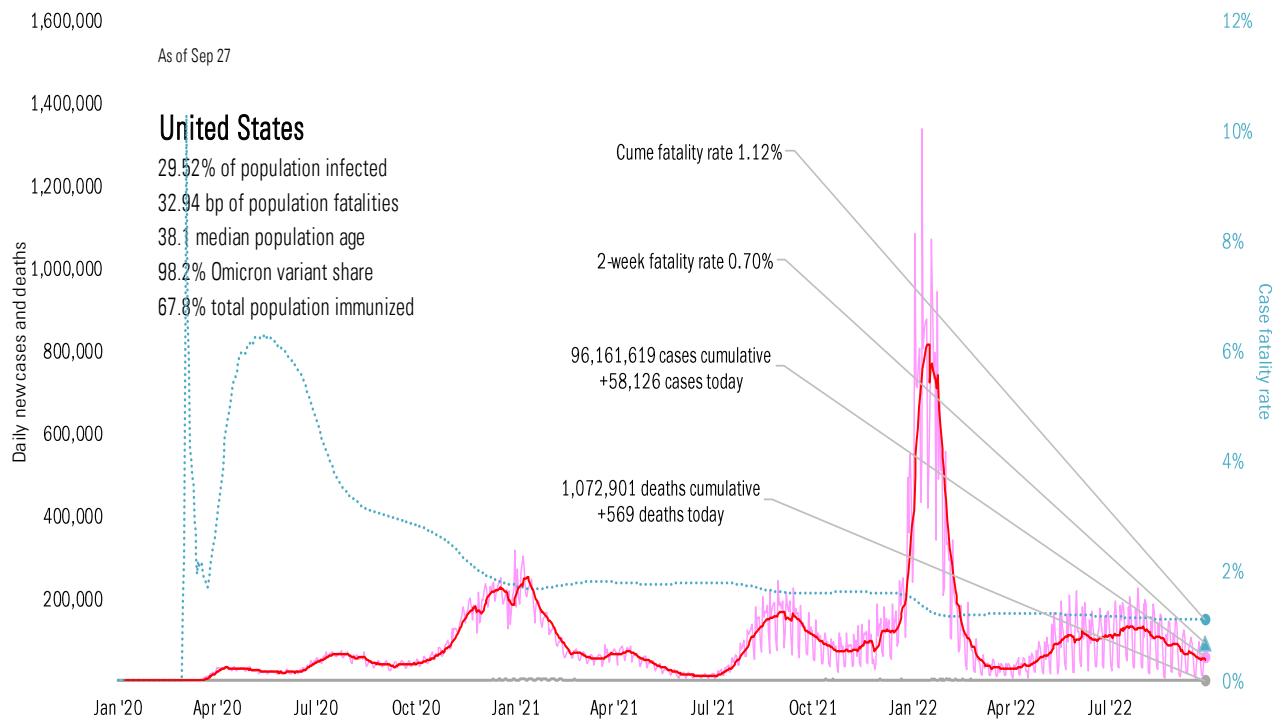
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
FL	5,774		MI	160		CT	67		CA	11,237,759		CA	95,840		TX	545,002		RI	89%	RI	88%
NY	5,534		NY	44		NE	20		TX	7,981,482		TX	90,825		CA	498,684		MA	86%	TX	85%
SC	4,635		FL	44		NM	15		FL	7,145,201		FL	81,324		FL	492,644		WA	83%	AK	83%
NC	2,898		AR	26		WY	8		NY	6,105,779		NY	71,711		NY	298,513		MN	83%	NH	81%
WA	2,869		VA	21		NV	19		IL	3,756,708		PA	47,098		GA	225,553		MO	82%	MA	80%
NJ	2,600		GA	21		OR	40		PA	3,240,293		GA	40,171		CH	217,753		GA	81%	WA	80%
TN	2,333		PA	18		AL	42		NC	3,182,775		CH	39,767		PA	203,151		DE	80%	VT	80%
MI	2,097		CT	18		DE	12		CH	3,131,645		IL	39,637		IL	186,263		DC	79%	NC	79%
CH	2,077		MD	16		WV	30		GA	2,900,354		MI	38,624		MI	162,032		MI	79%	GA	77%
MS	1,869		AZ	12		AS	0		MI	2,836,167		NJ	34,725		KY	144,933		MD	78%	KY	77%
32,685			380			253			51,518,163			579,722			2,974,528						
All states	58,126		569			3,122			All states	96,161,619		1,072,901			5,395,909			All states	70%	67%	
Top ten	56%		67%			8%			Top ten	54%		55%			55%			Median	73%	71%	

Some states not reporting

Five most improved US states

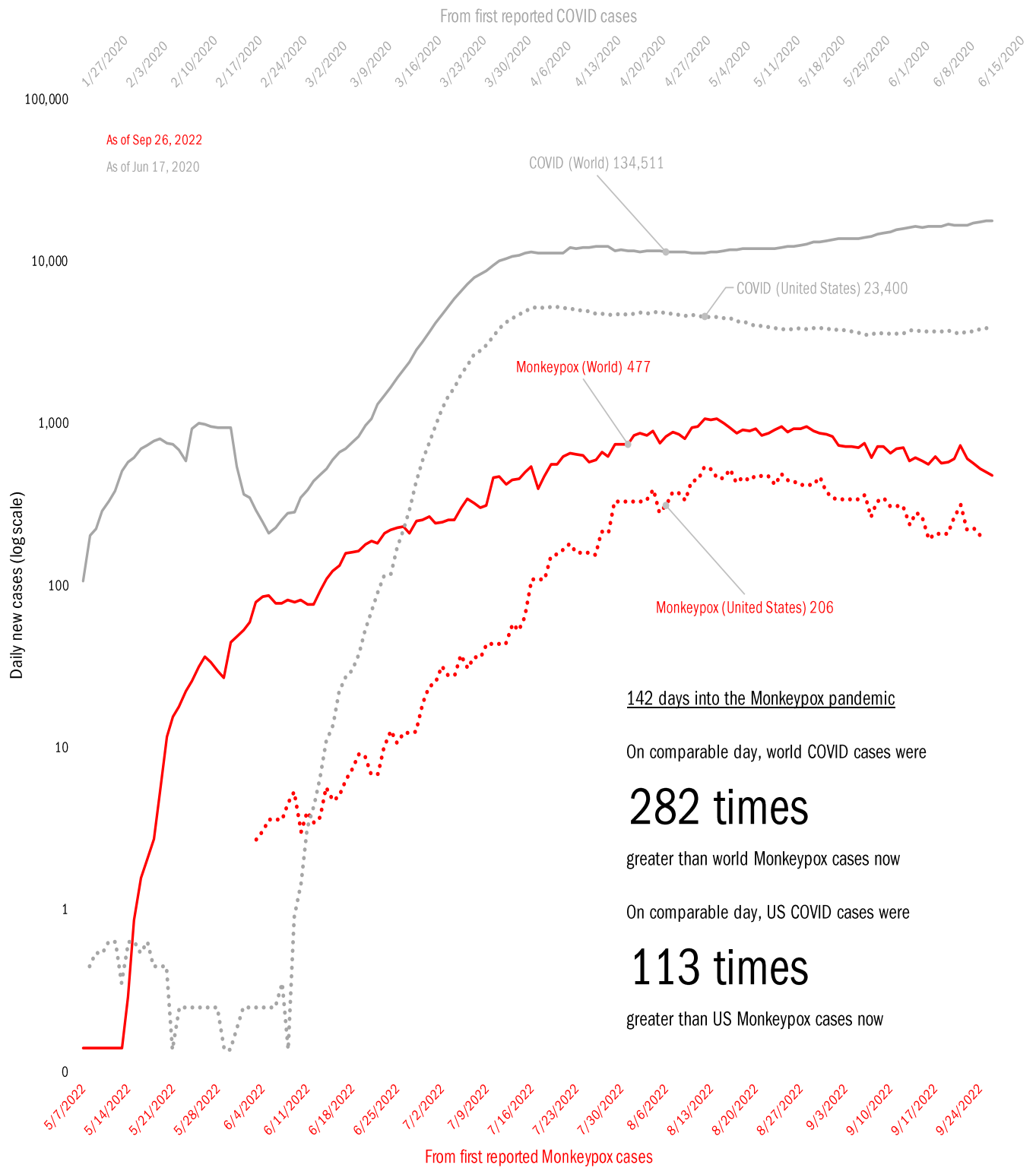
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
TX	-5,795	TX	-29	NY	-127
CA	-1,843	CA	-22	FL	-87
OK	-257	IL	-11	MI	-83
MO	-216	WV	-8	GA	-59
NH	-100	WI	-7	PA	-59



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

The Monkeypox contextualizer

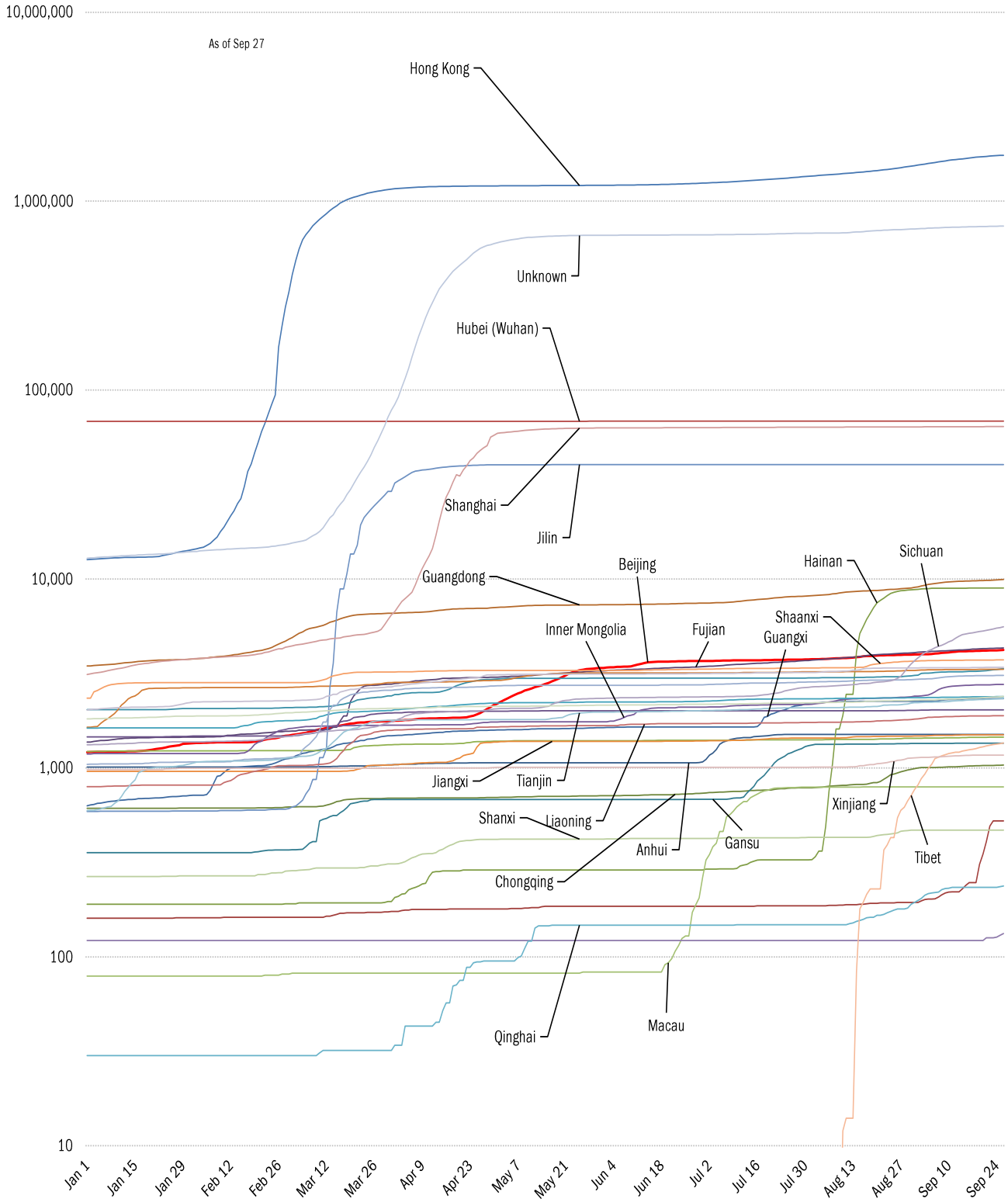
The course of case growth versus COVID



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"

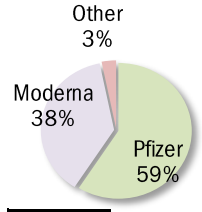


Source: [Johns Hopkins](#), TrendMacro calculations

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

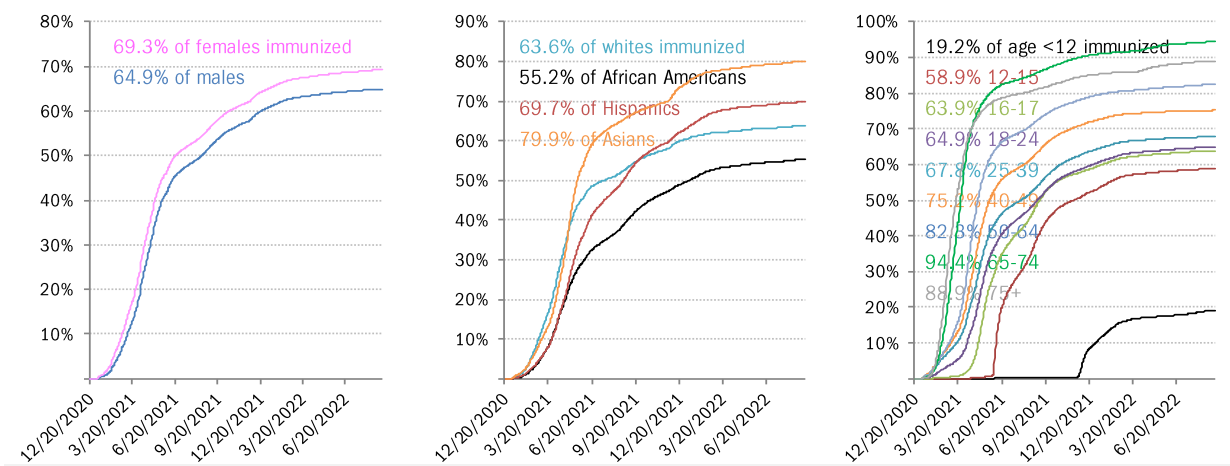
"Immunity" = two doses

Global data differs due to sources, timing

As of Sep 23

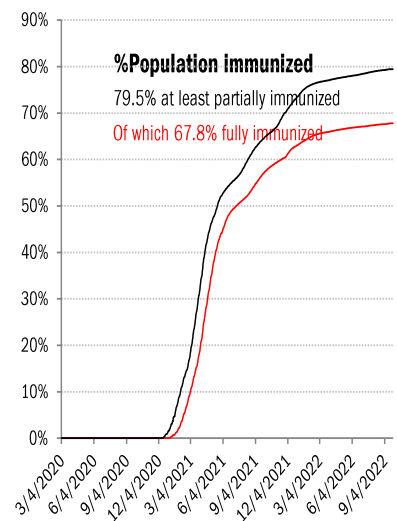
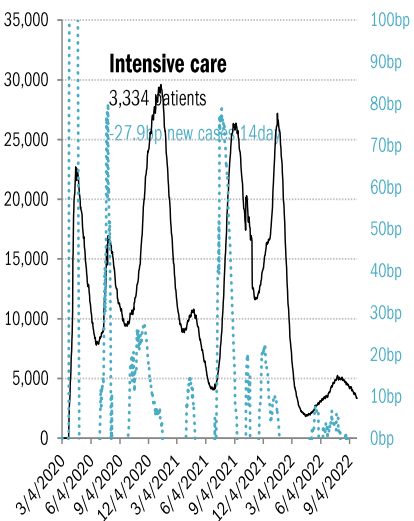
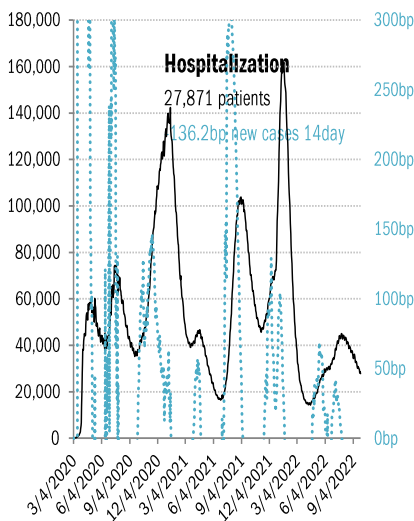
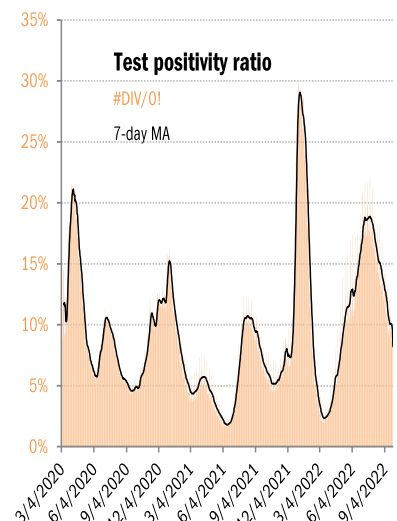
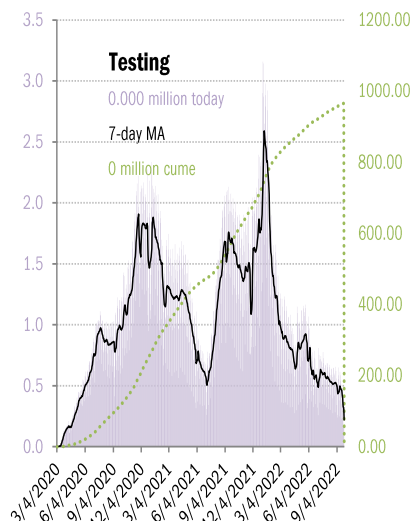
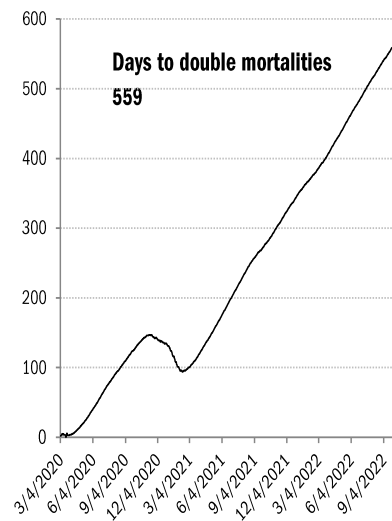
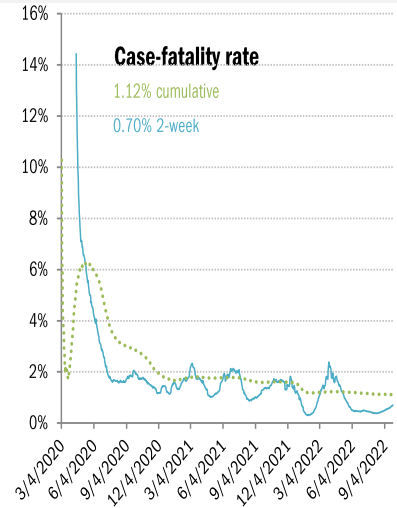
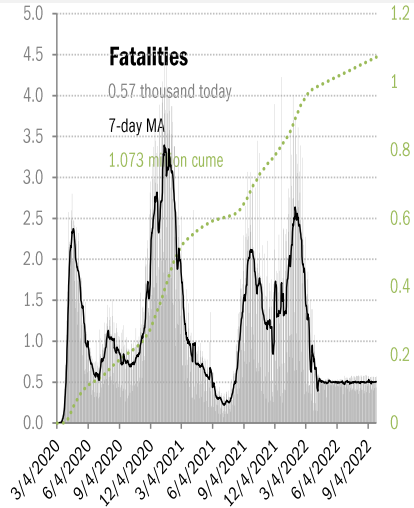
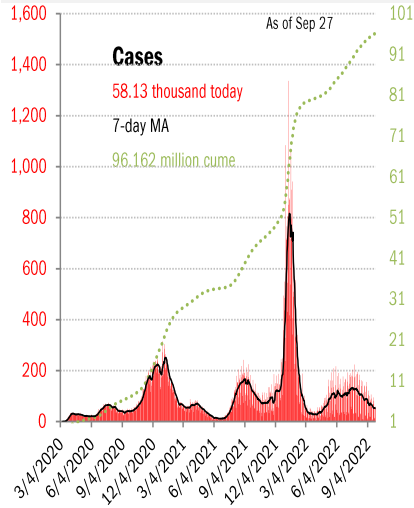
					WI						ME
					73.4%						93.5%
					66.8%						81.5%
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH
83.2%	62.6%	66.8%	67.3%	77.0%	77.5%	68.3%			92.3%	95.0%	91.4%
74.0%	55.3%	58.0%	56.8%	70.6%	69.8%	61.3%			78.8%	83.2%	72.8%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA	
79.7%	77.2%	59.4%	79.8%	69.4%	63.3%	64.6%	87.8%		92.7%	95.0%	
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

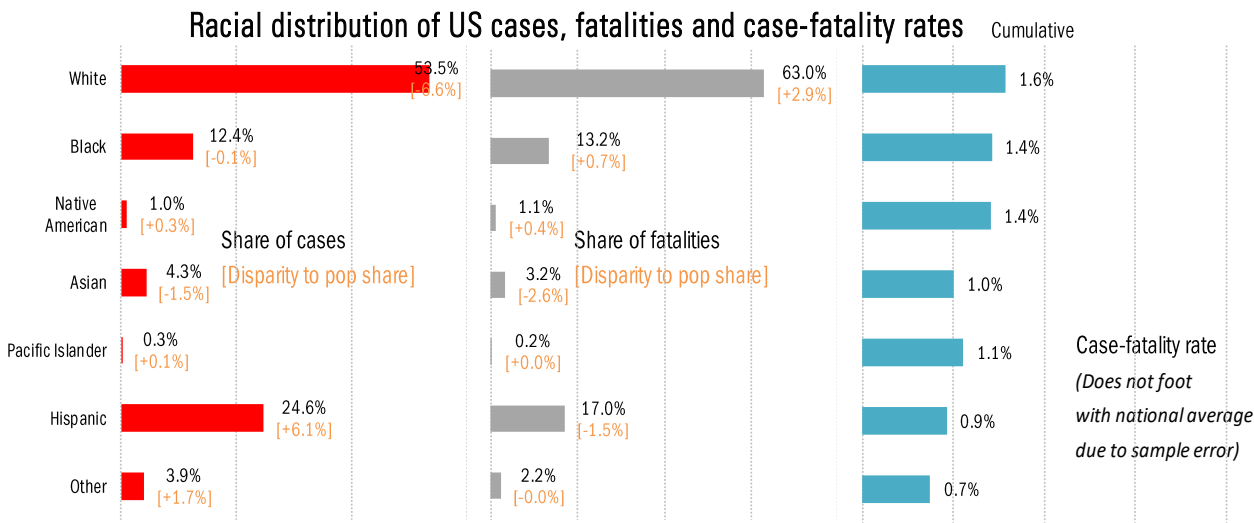
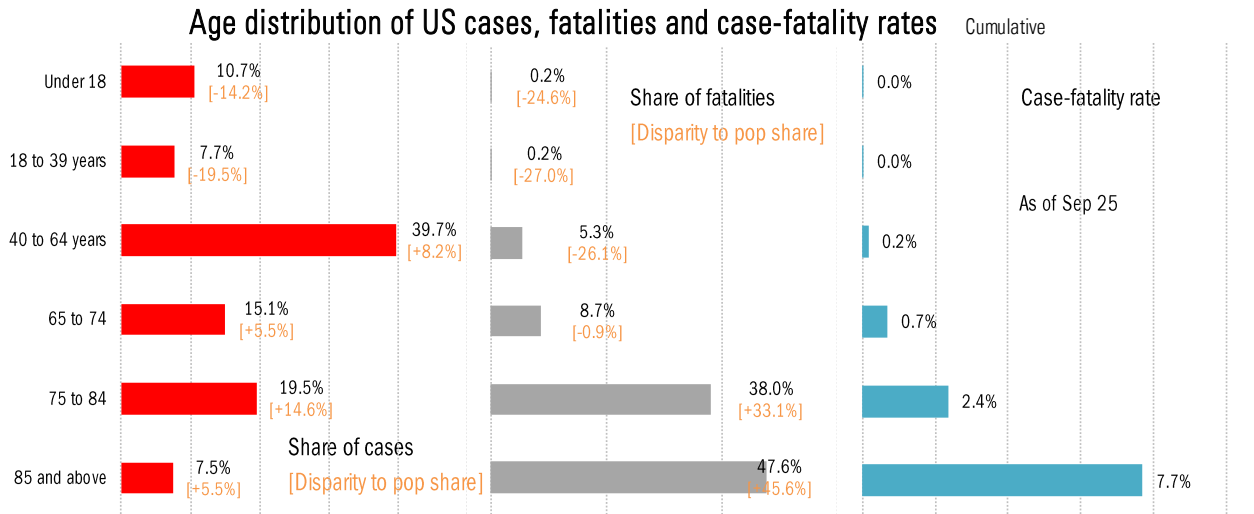


Source: CDC, CDC, Our World in Data, TrendMacro calculations

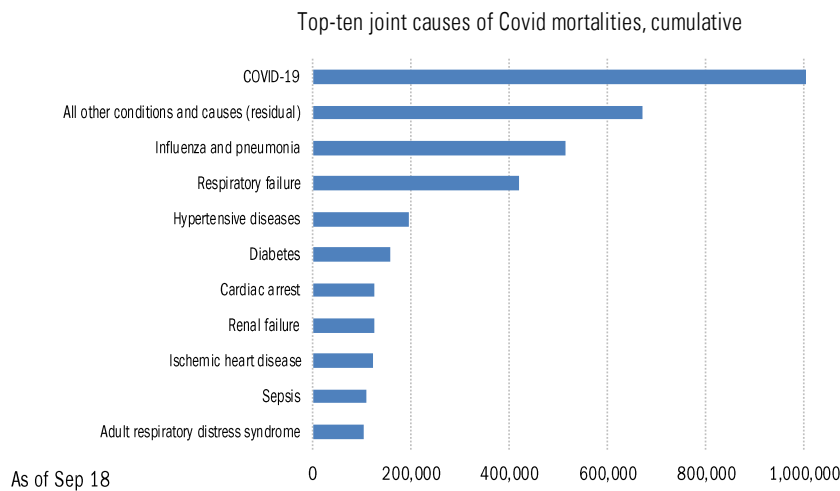
US deep-dive



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

[Remote Work and Housing Demand](#)

Augustus Kmetz et al.
FRBSF Economic Letter
September 26, 2022

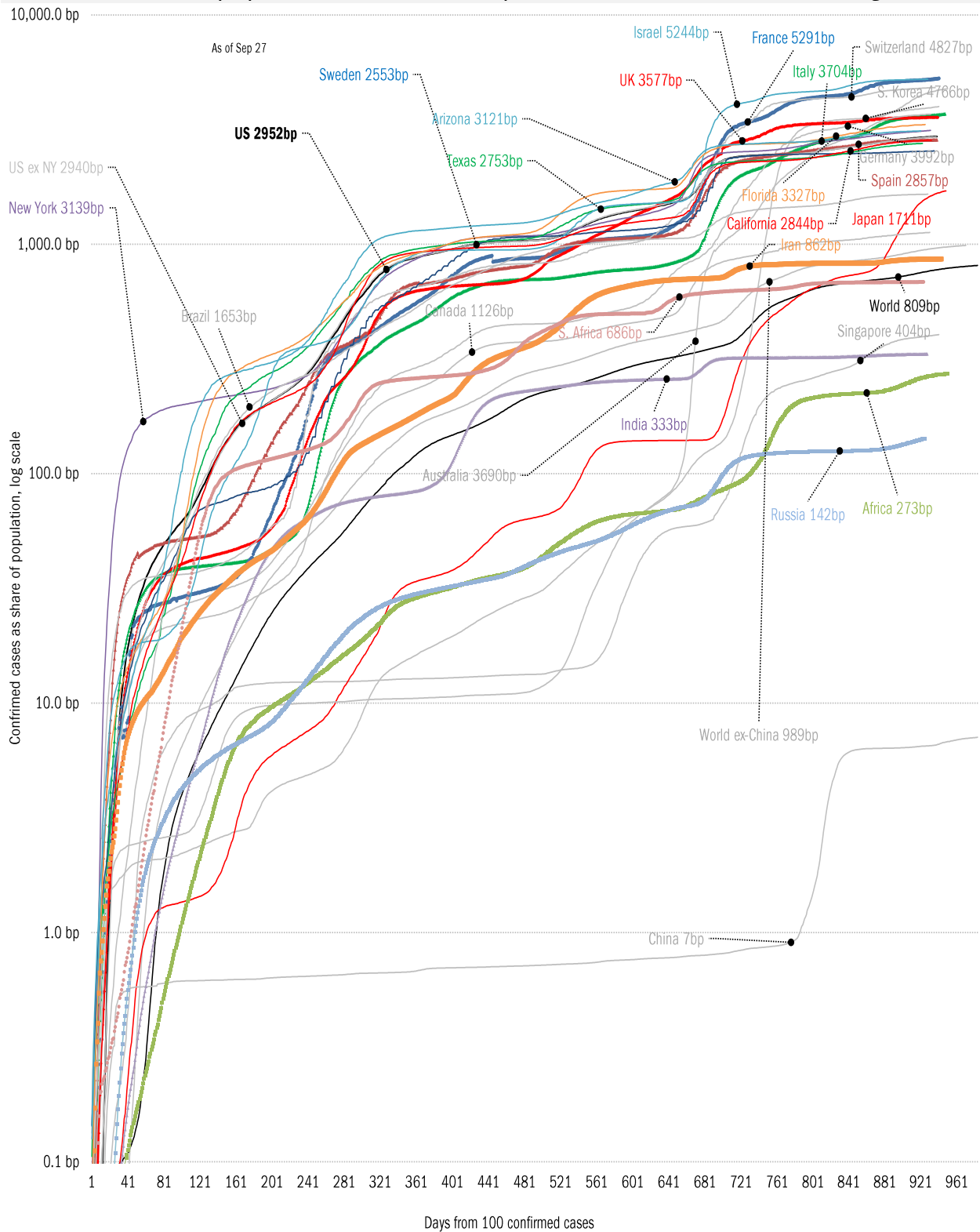
Meme of the day



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

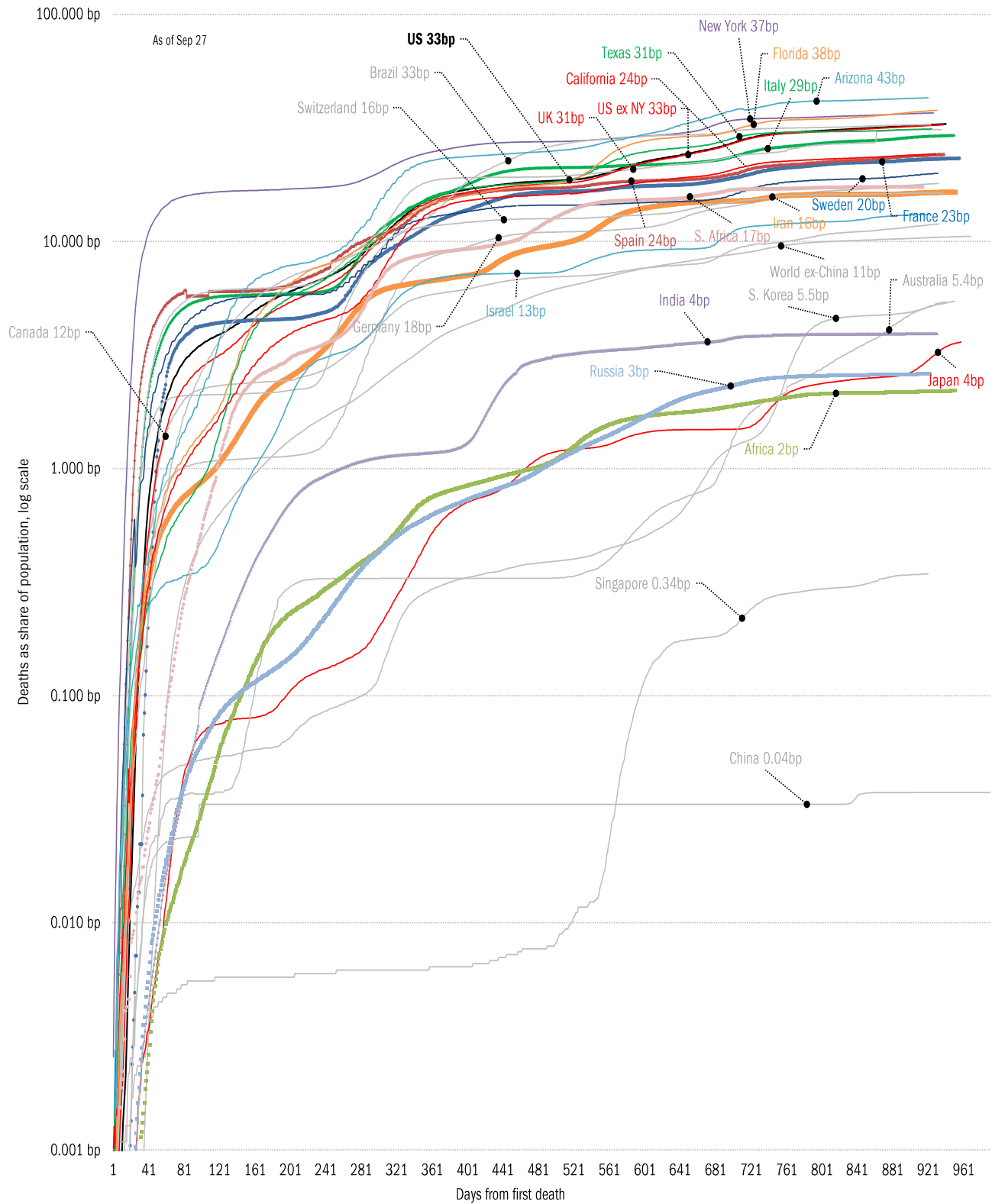
The global coronavirus case accelerometer... tracking the world's infection curves

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

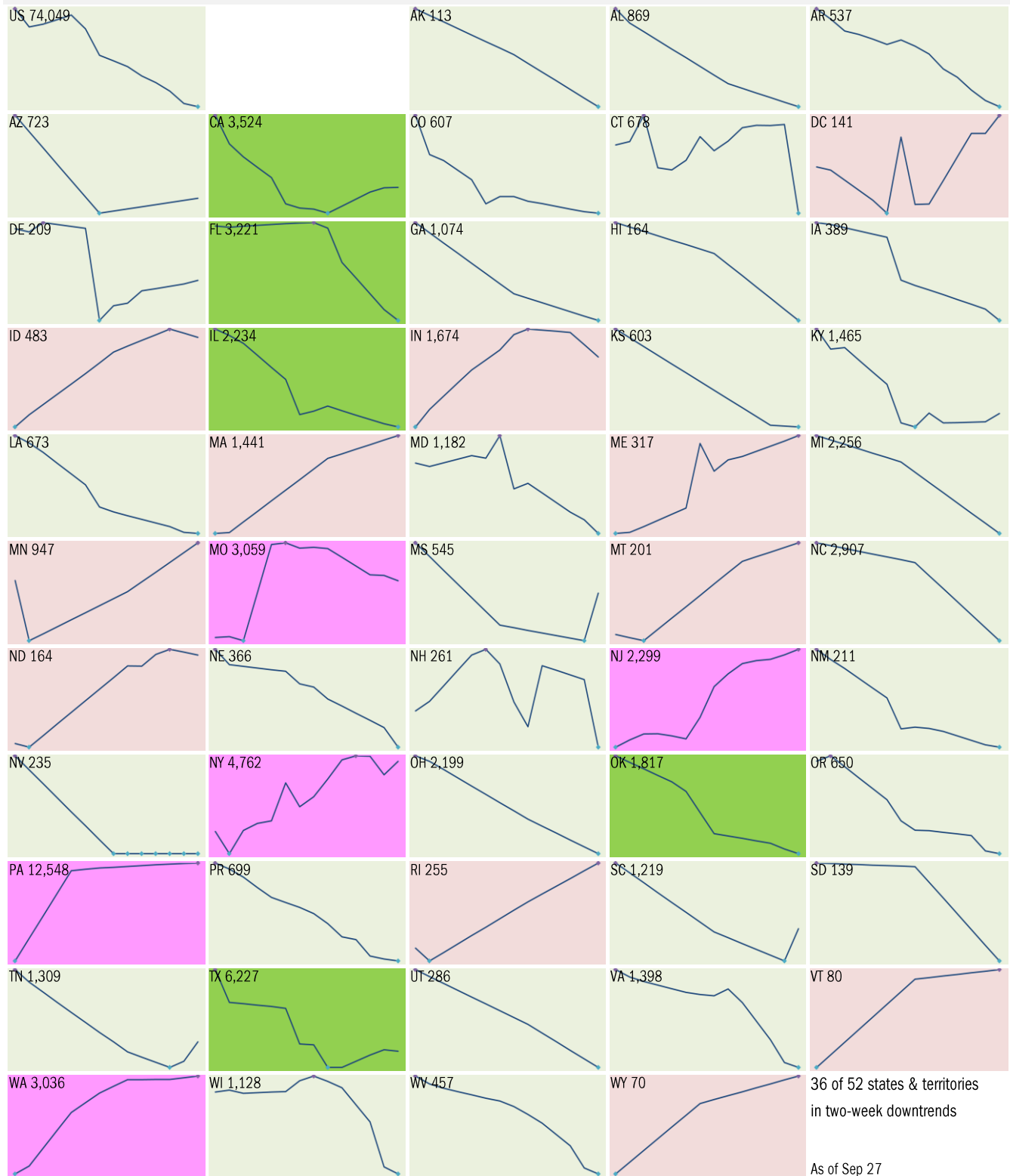


Source: [Johns Hopkins](#), TrendMacro calculations

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

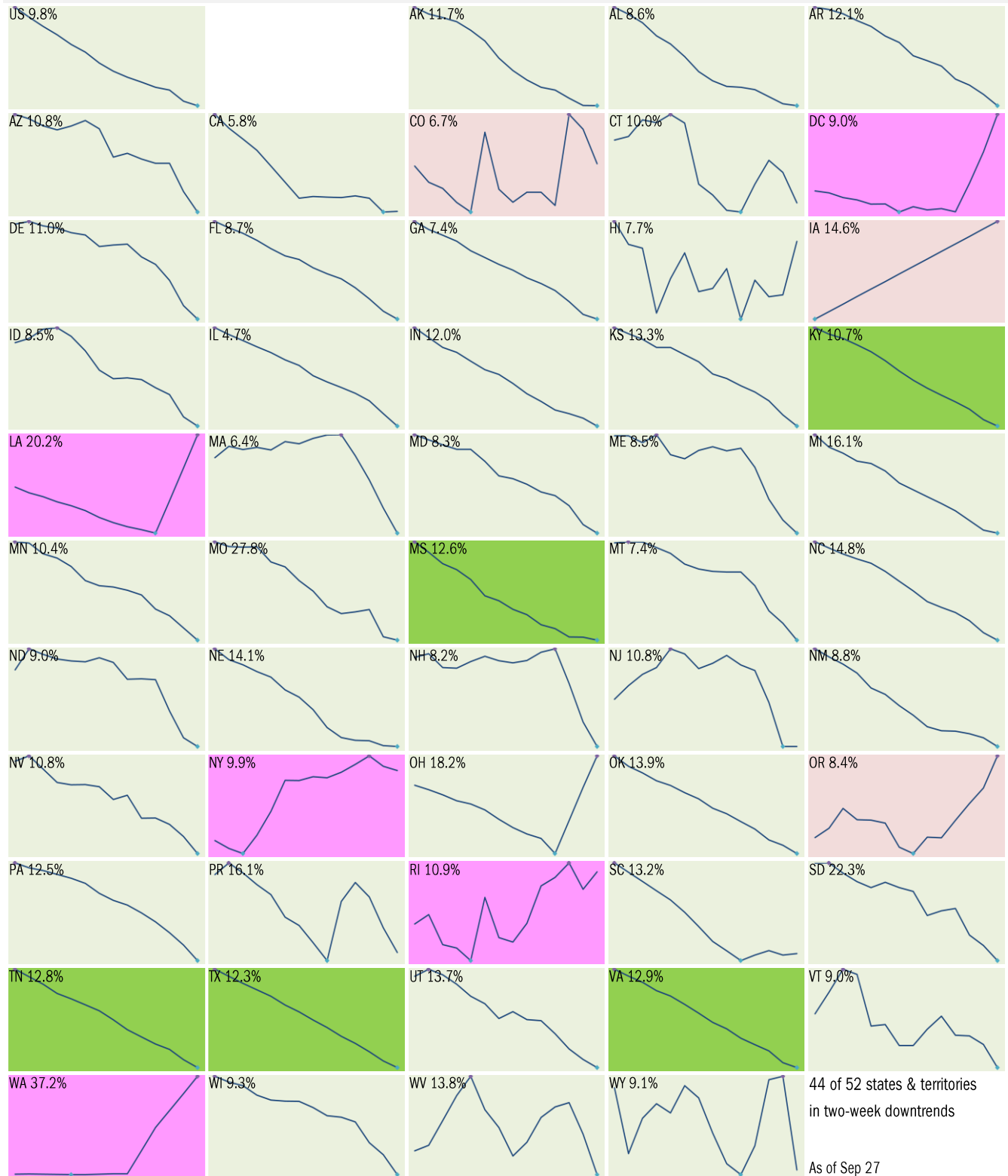


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

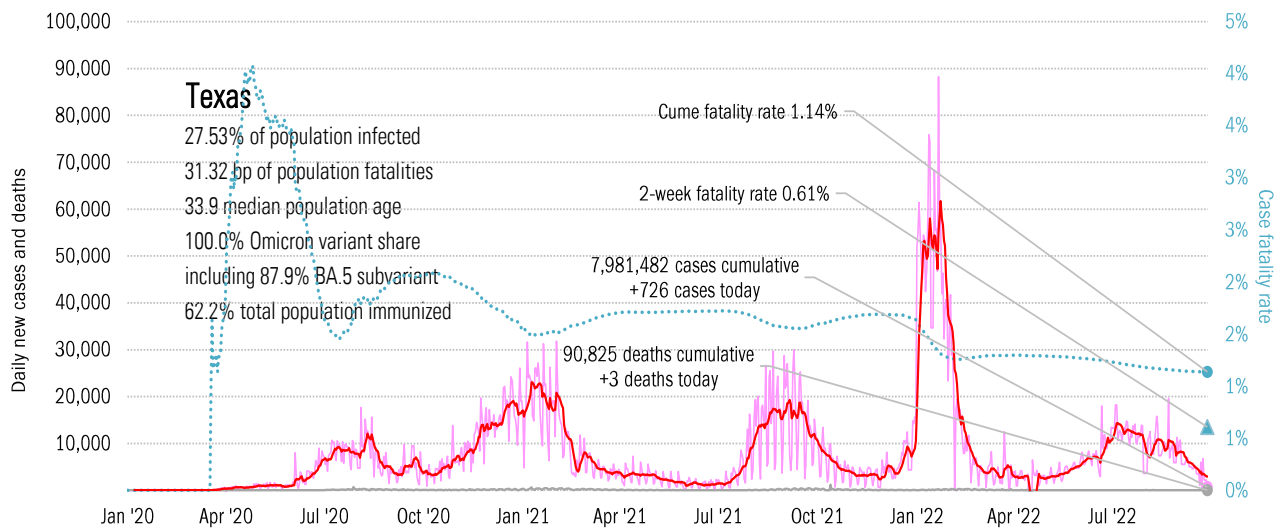
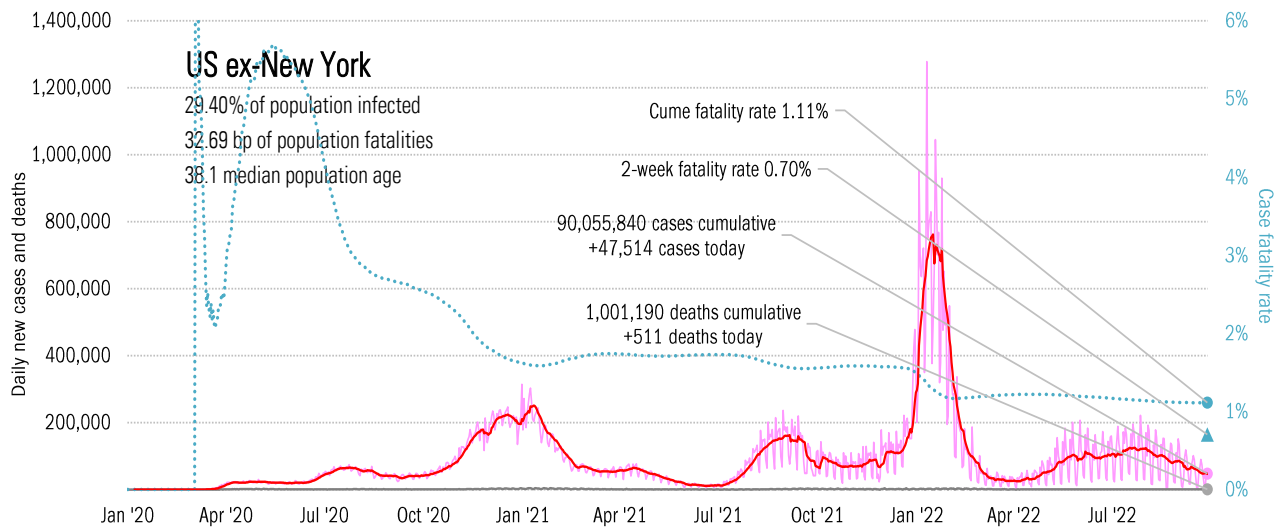
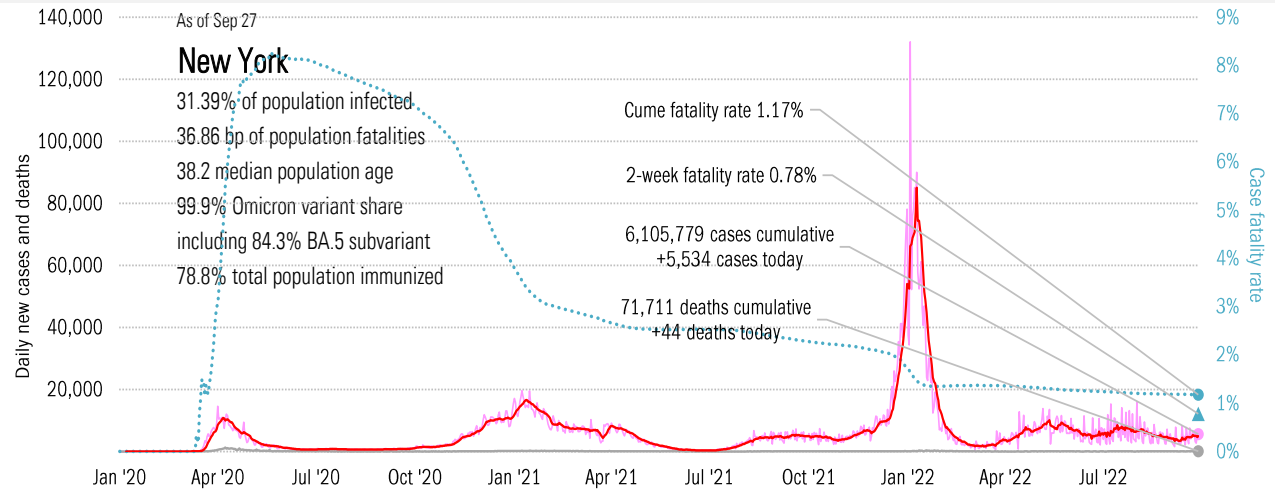
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

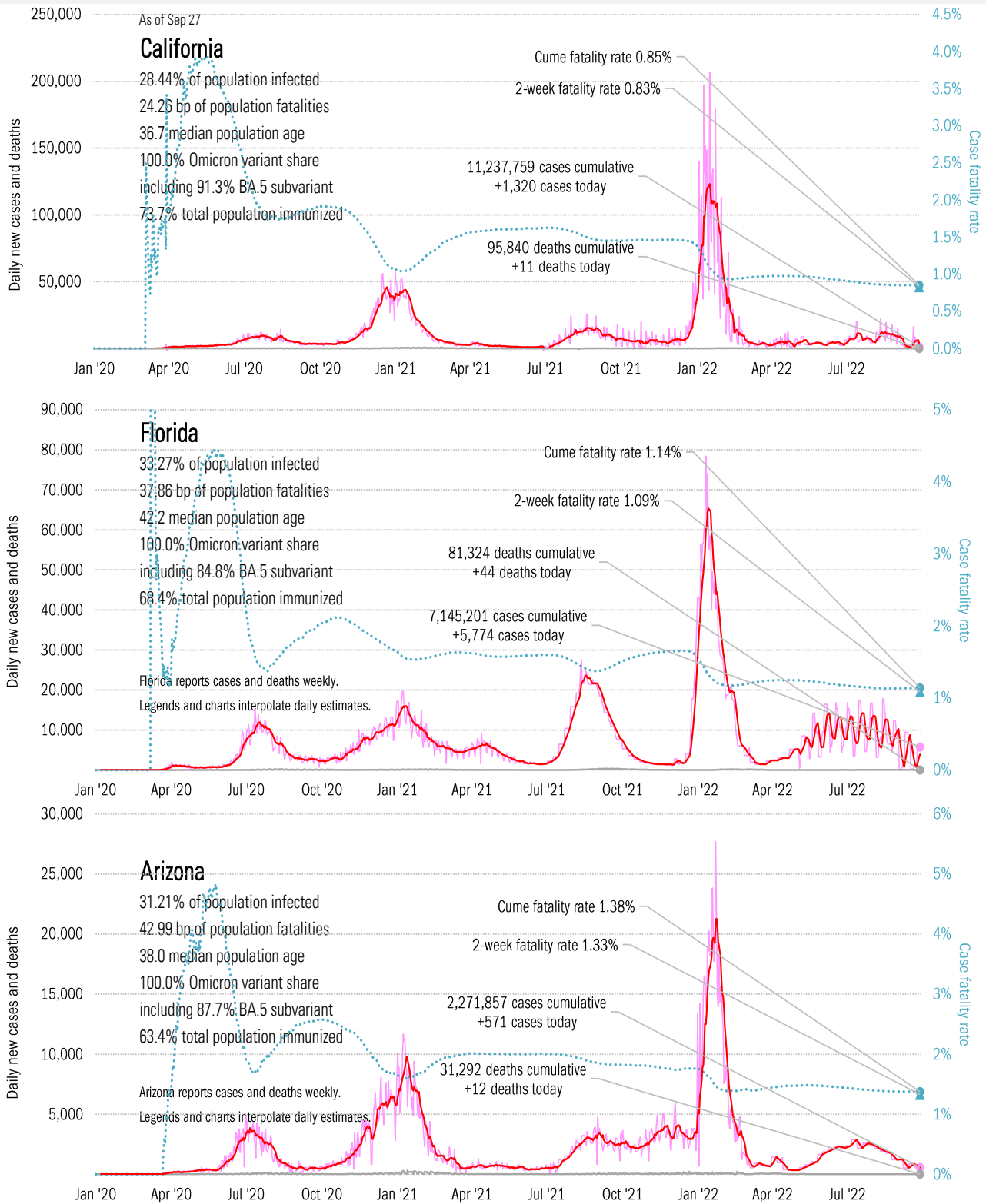
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

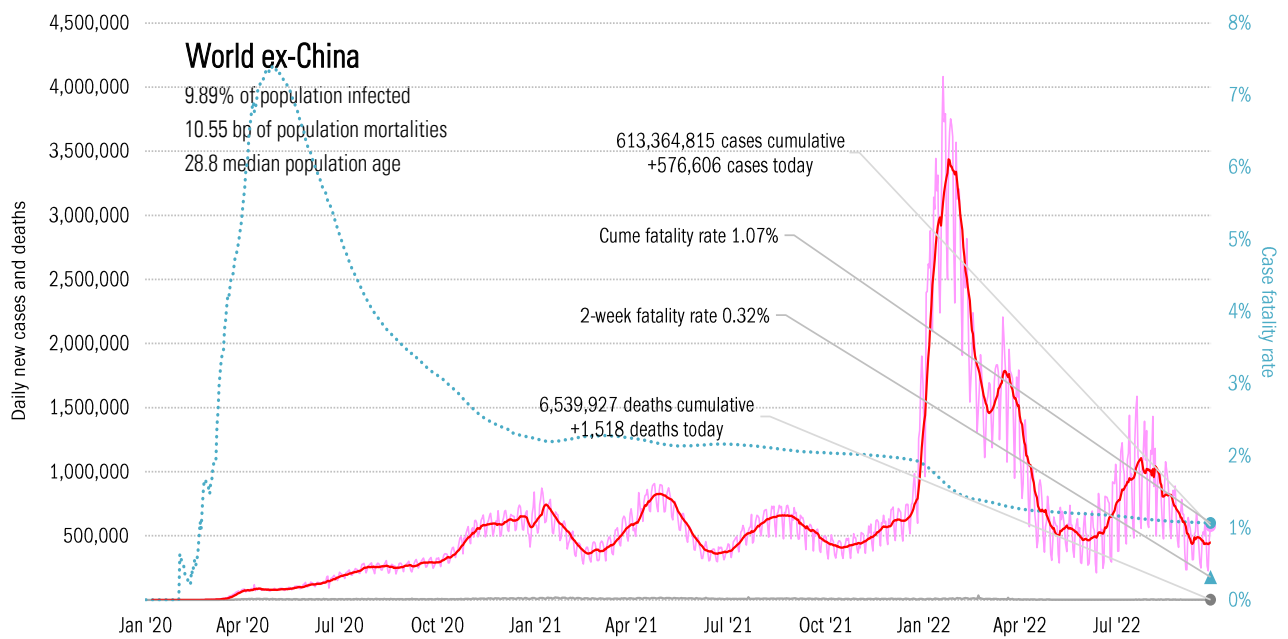
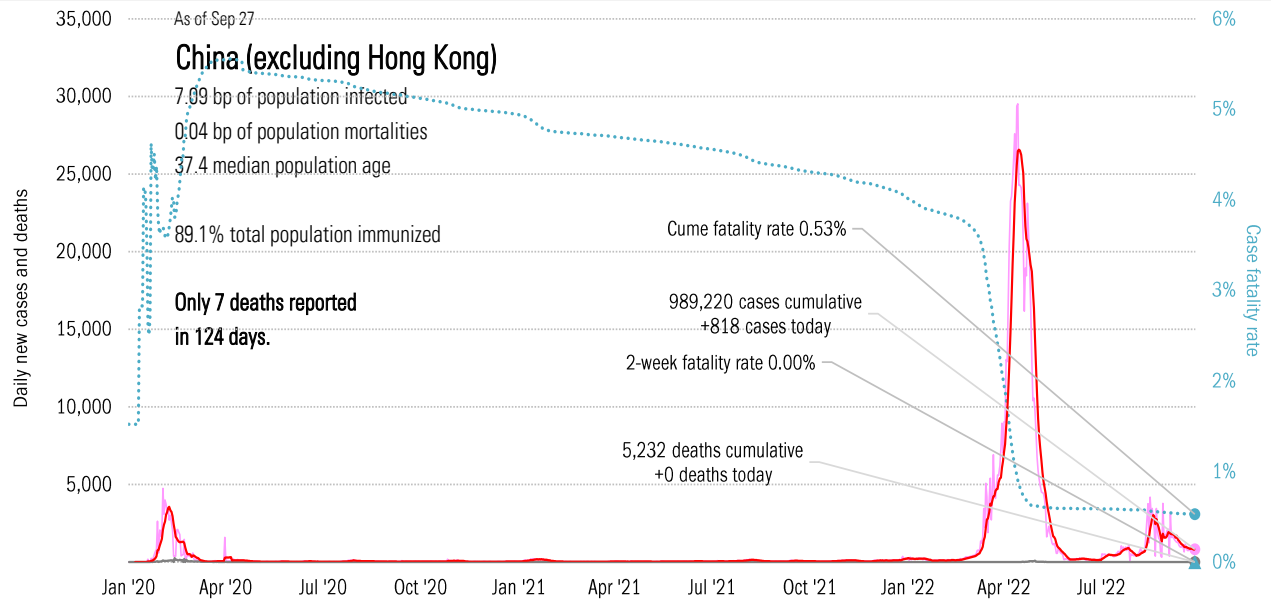
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

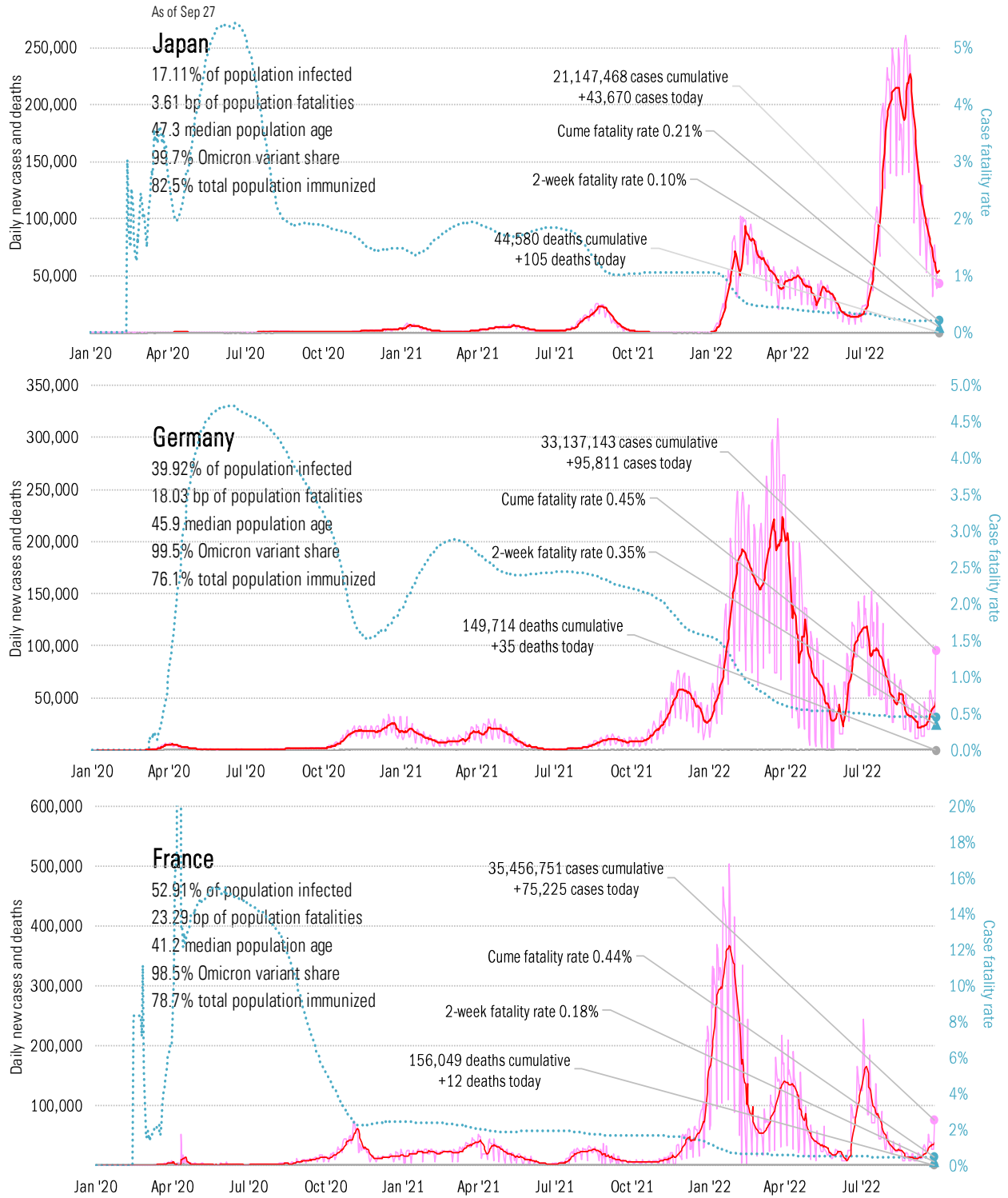
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

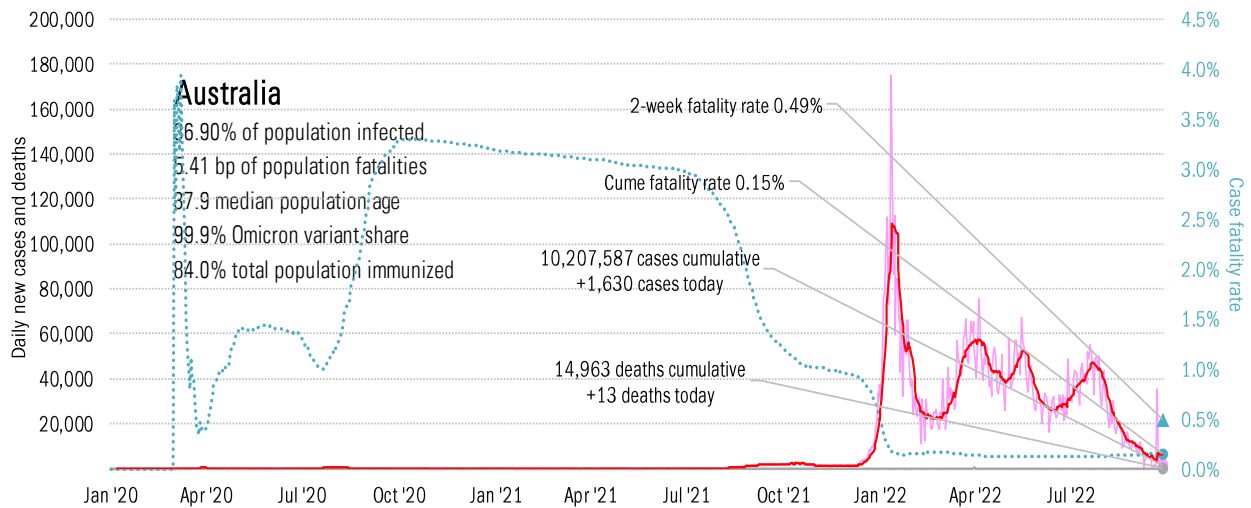
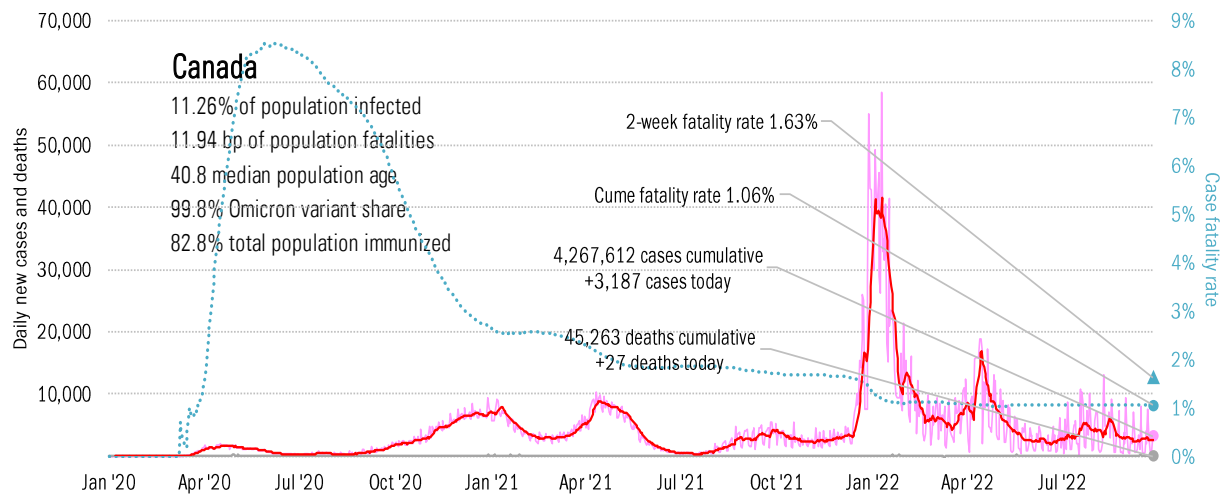
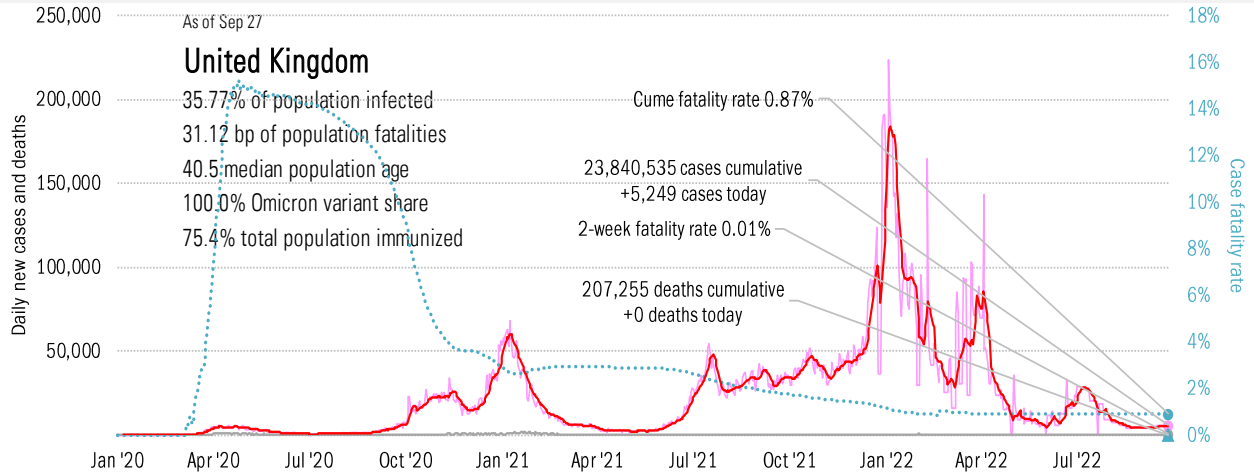
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

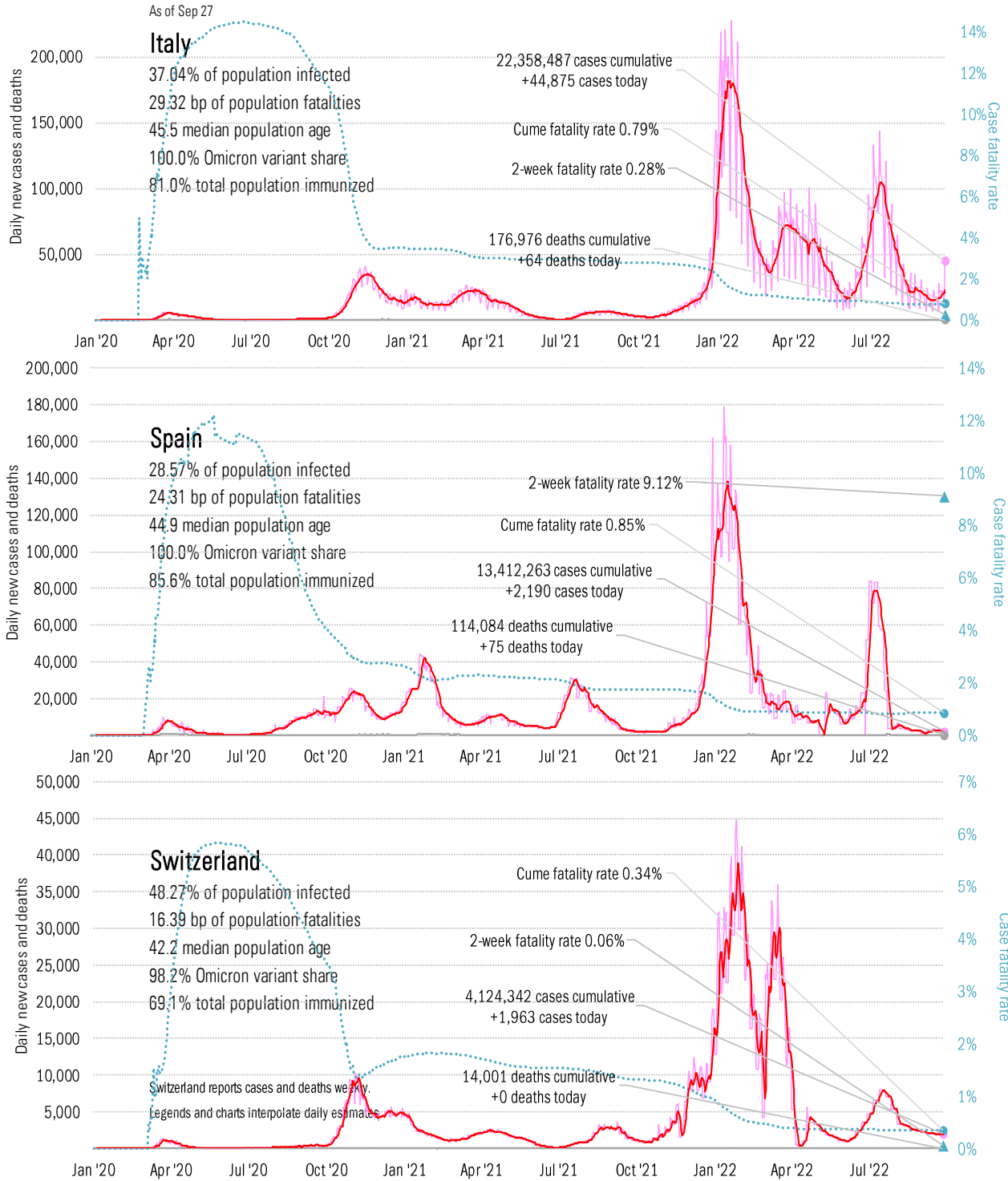
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

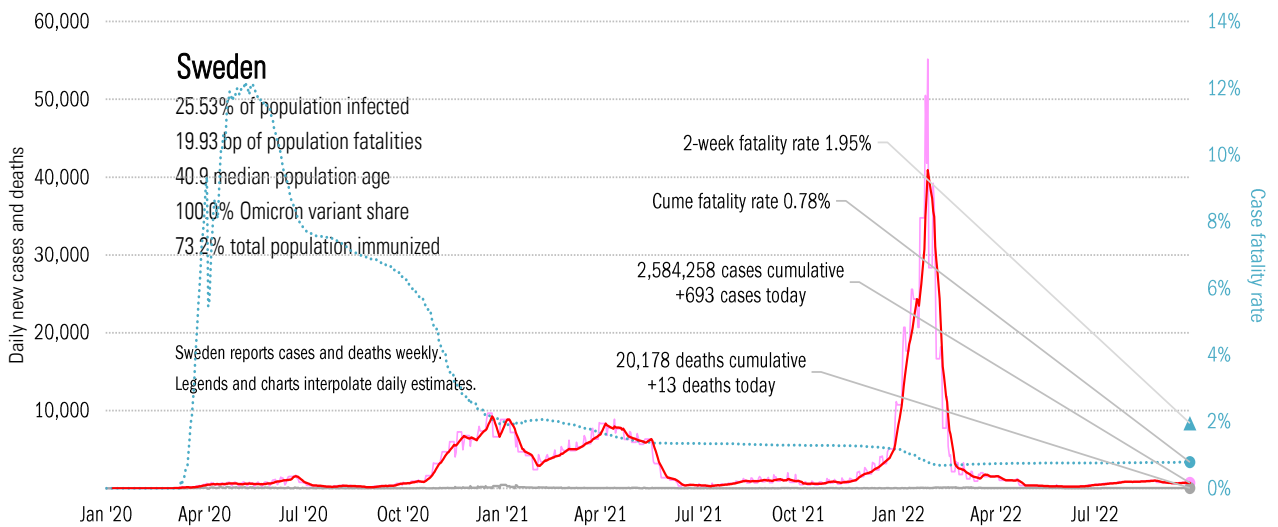
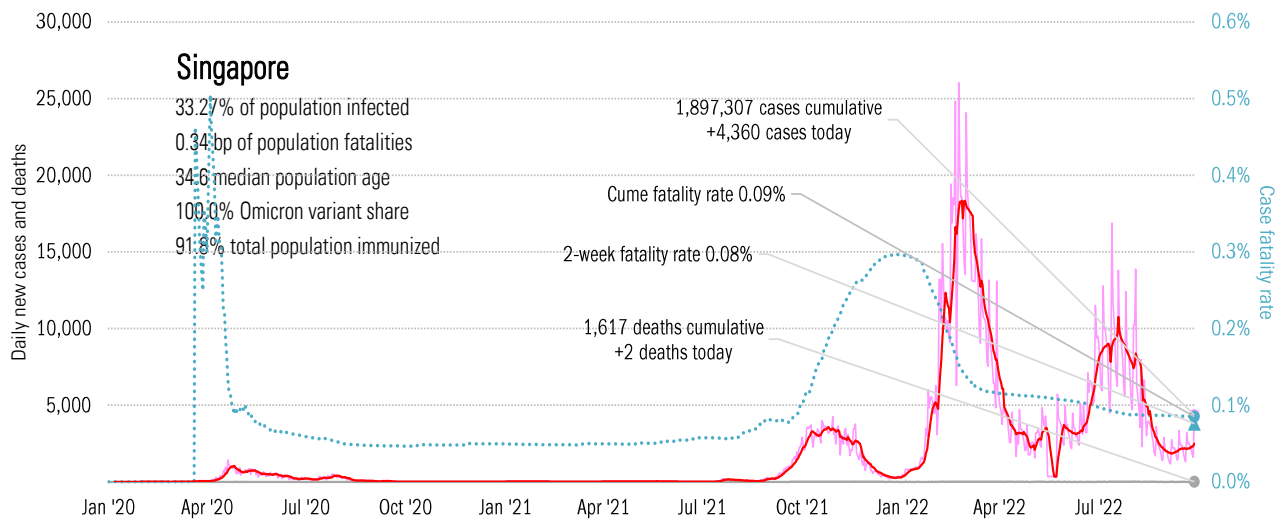
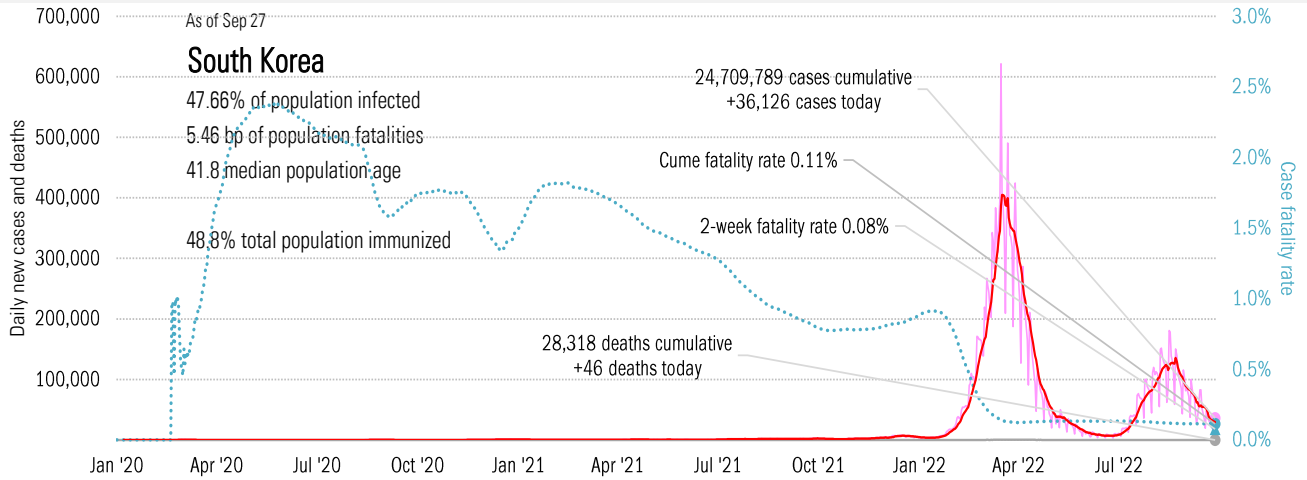
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

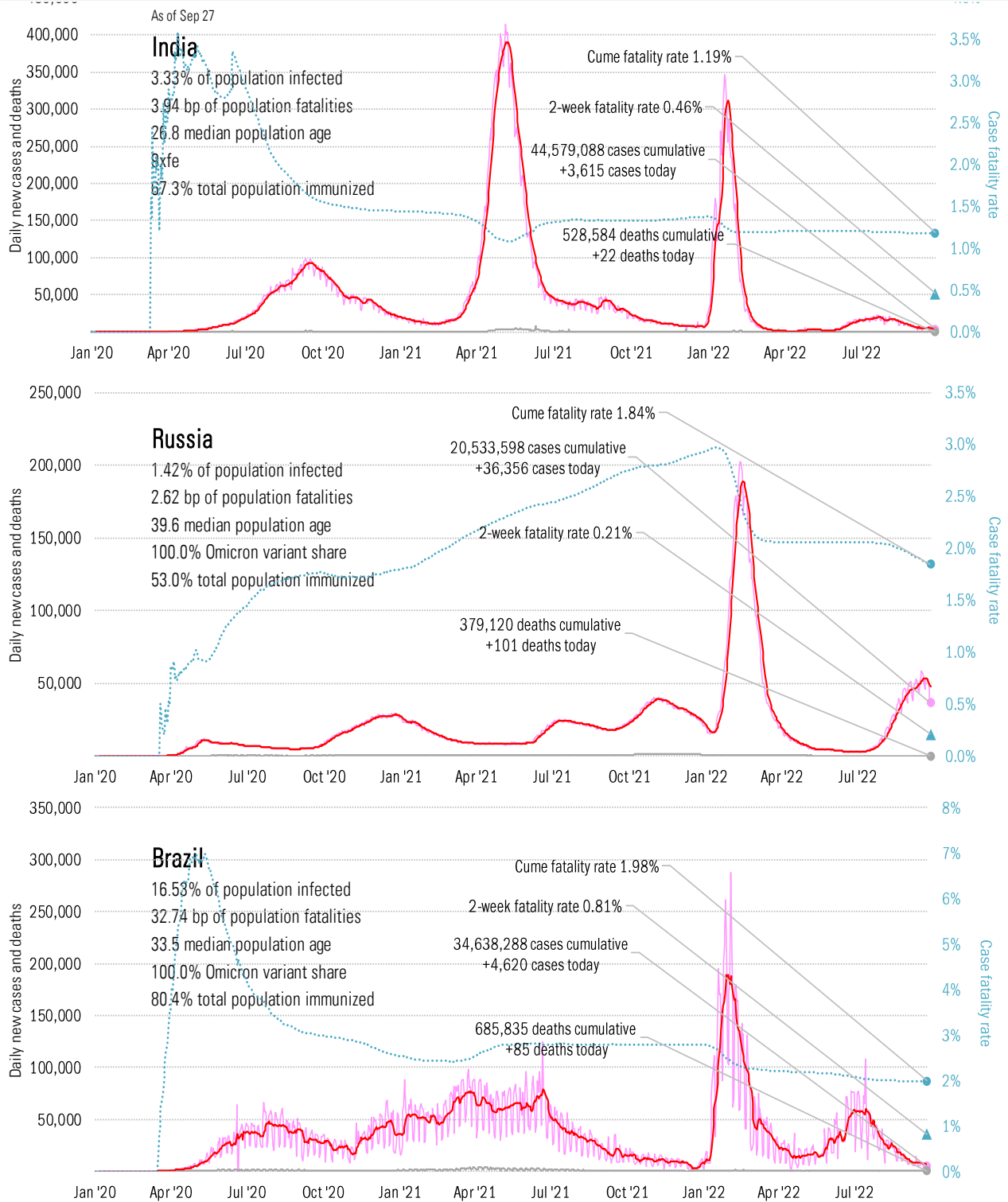
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

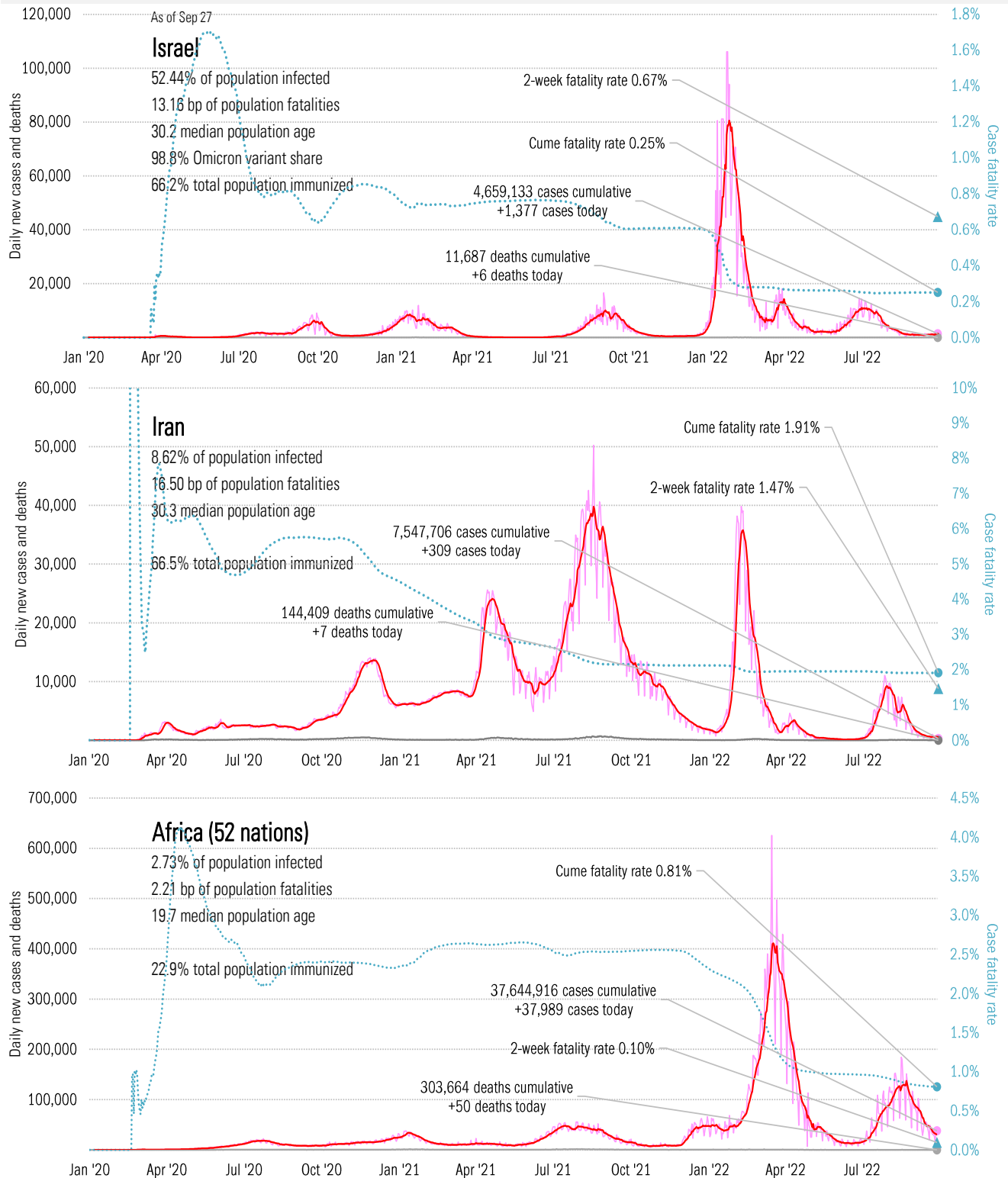
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

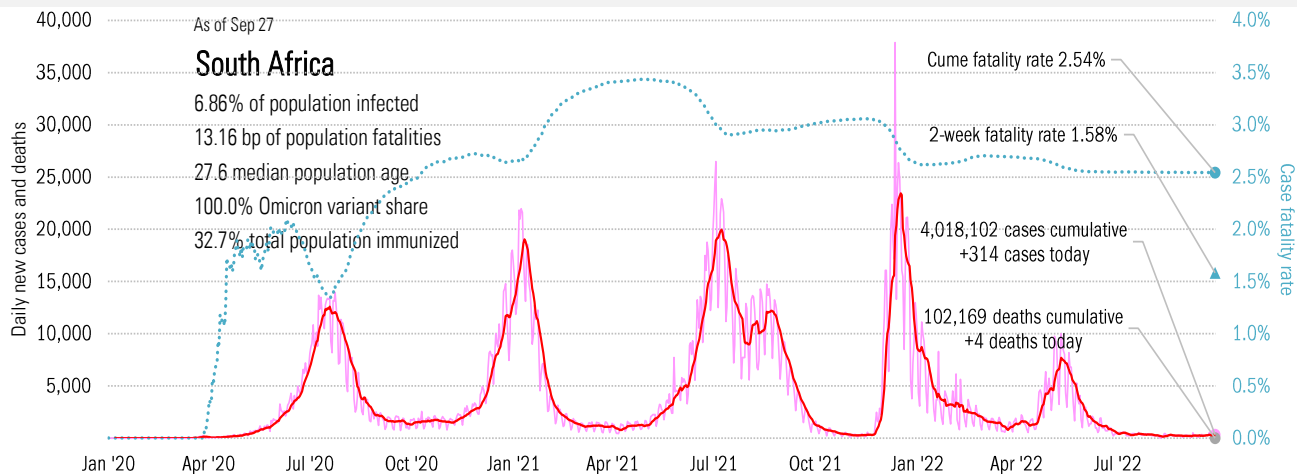
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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