

Data Insights: Covid-2019 Monitor

Monday, September 12, 2022

The global scorecard

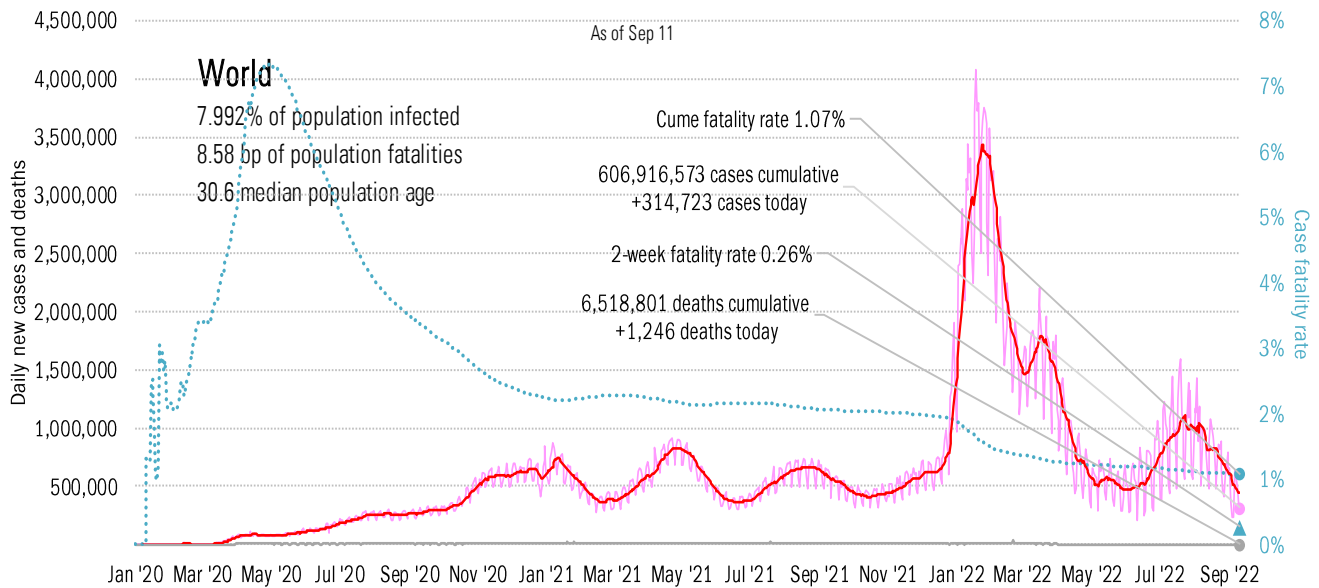
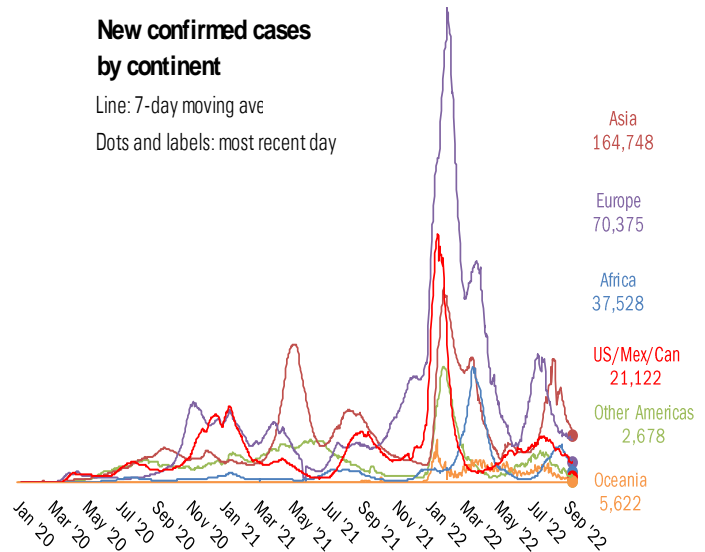
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	101,586	United States	675
Japan	81,470	Turkey	139
Russia	52,155	Japan	104
Korea, South	36,938	Russia	86
Turkey	32,191	Argentina	61
Taiwan*	32,105	Italy	34
Italy	11,901	Taiwan*	29
Argentina	7,902	Chile	27
India	5,221	Mexico	26
Australia	4,393	Iran	24
365,862		1,205	
World	314,723	World	1,246
Top ten	116%	Top ten	97%

New confirmed cases by continent

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



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

For more information contact us:

Donald Luskin: 214 550 2121 don@trendmacro.com

Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

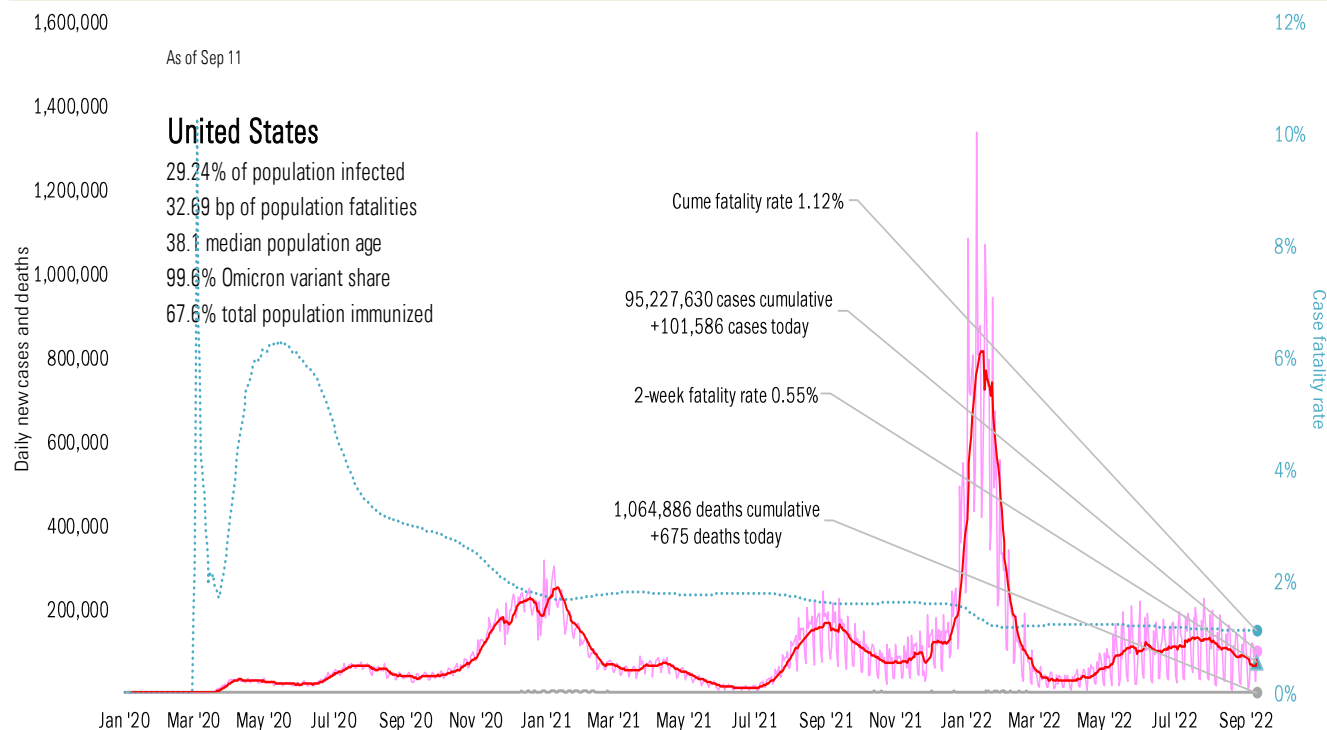
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
PA	15,988		CA	112		GA	212		CA	11,166,567		CA	95,311		TX	540,388		RI	91%	AK	87%
CA	10,910		MI	83		TX	410		TX	7,912,298		TX	90,495		CA	493,383		MA	88%	RI	87%
FL	9,423		FL	54		CA	484		FL	7,082,333		FL	80,469		FL	487,831		GA	86%	NC	84%
MO	7,340		IN	43		LA	93		NY	6,027,498		NY	71,311		NY	294,152		MN	85%	AL	84%
TX	6,759		TX	35		IL	208		IL	3,716,318		PA	46,831		GA	223,910		WA	85%	NM	84%
VA	3,734		MO	34		PA	186		PA	3,202,811		GA	39,875		CH	214,903		MO	85%	MA	83%
IL	3,310		VA	29		NY	240		NC	3,141,302		CH	39,576		PA	200,488		MD	84%	WA	83%
CH	3,104		WV	21		MA	95		CH	3,096,557		IL	39,445		IL	183,821		DC	83%	TX	83%
NC	2,926		IL	19		SC	79		GA	2,883,318		MI	38,121		MI	159,908		DE	83%	NH	82%
NY	2,769		WA	19		CT	54		MI	2,786,213		NJ	34,627		KY	143,432		WV	83%	GA	81%
66,264			449			2,061			51,015,215			576,061			2,942,216						
All states	101,586		675			4,555			All states	95,227,630		1,064,886			5,337,344			All states	70%	67%	
Top ten	65%		67%			45%			Top ten	54%		55%			55%			Median	77%	73%	

Some states not reporting

Five most improved US states

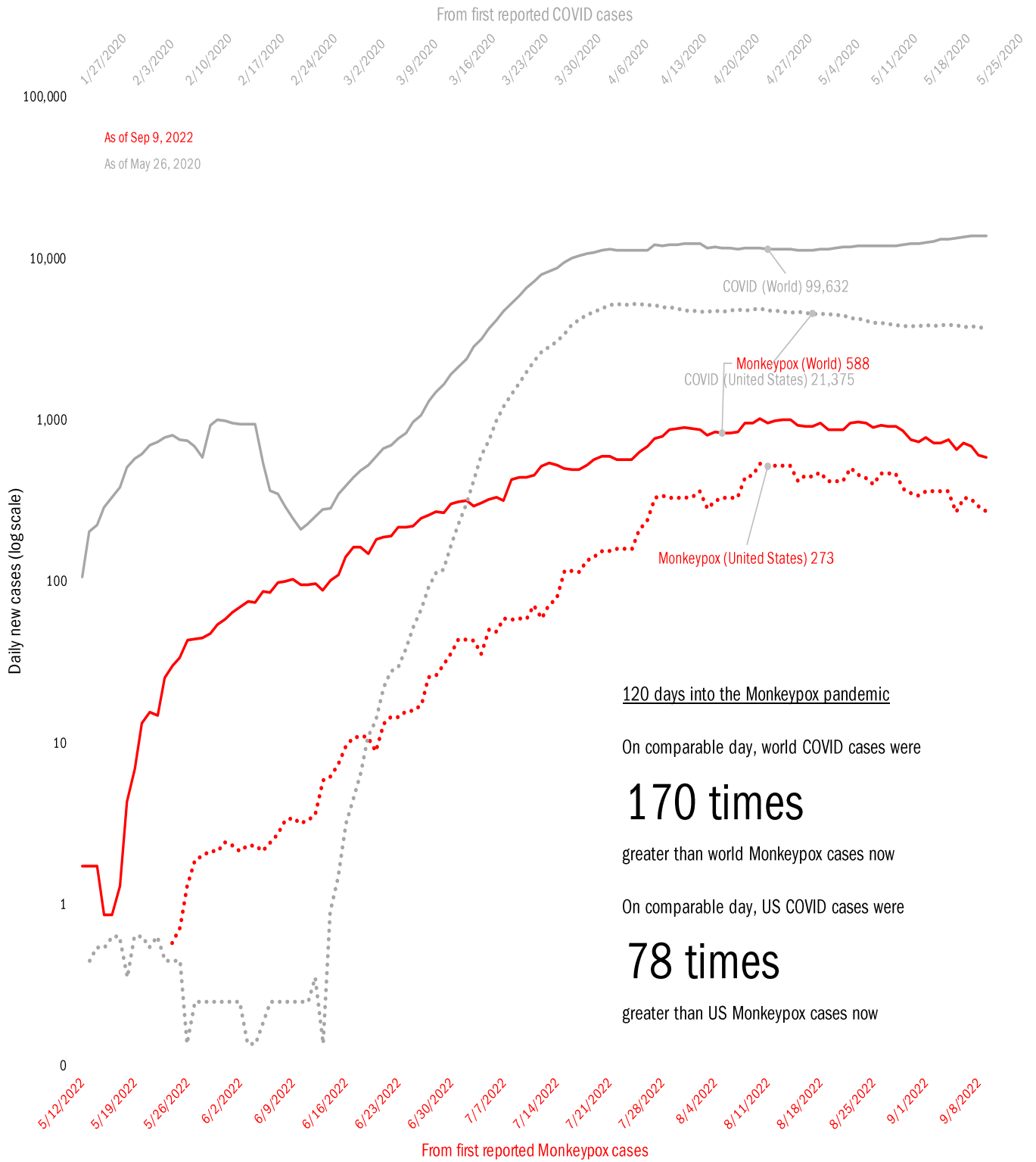
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NJ	-1,197	AK	0	KY	-96
CT	-307	AL	0	VA	-21
AK	0	AR	0	TN	-17
AL	0	AZ	0	AZ	-16
AR	0	CA	0	MS	-16



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

The Monkeypox contextualizer

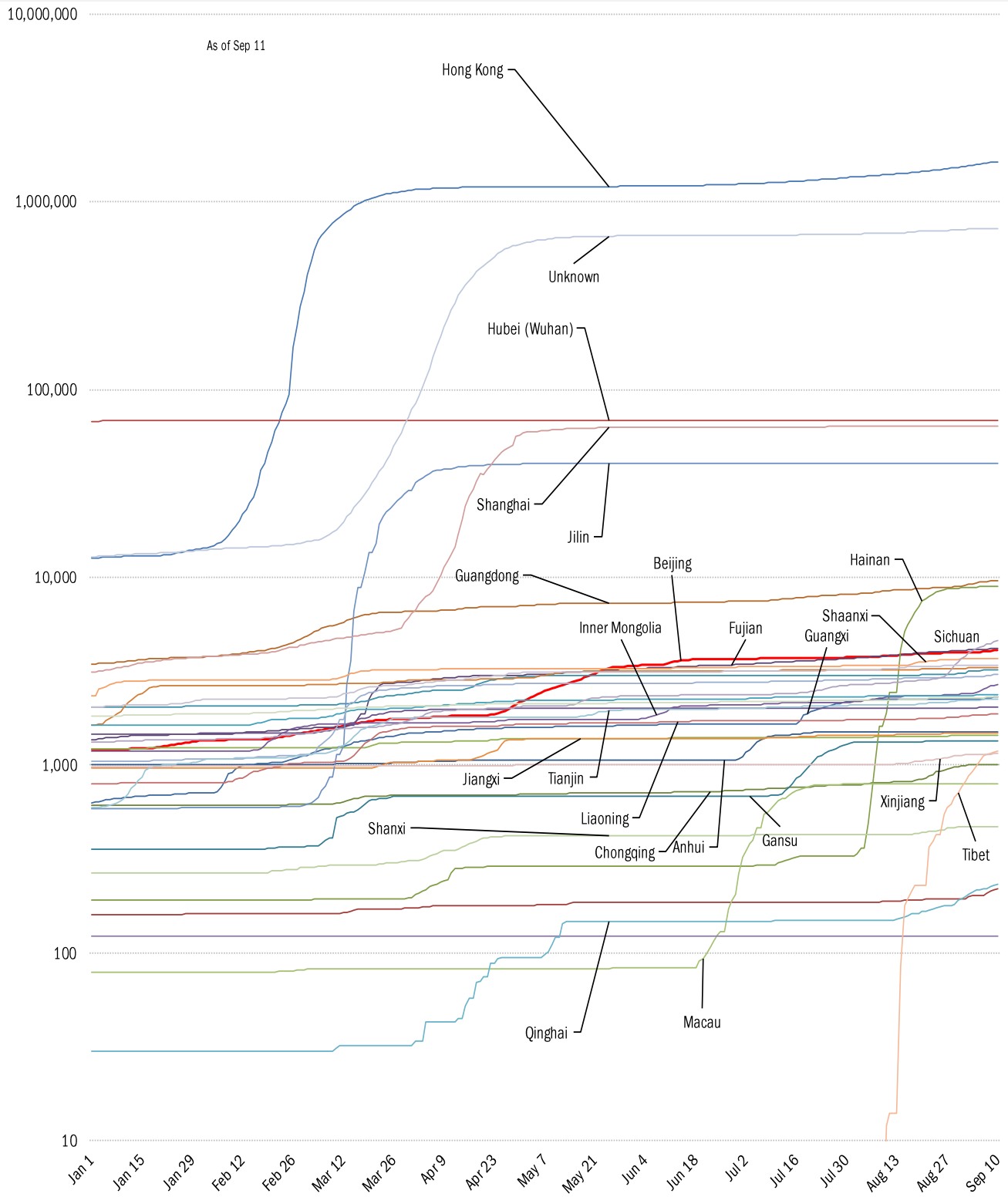
The course of case growth versus COVID



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"

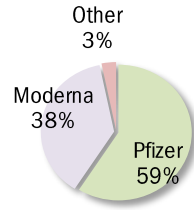


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	626,104,628		+0.099 million	US	67.6%	79.3%
of which boosters	111,089,927		+0.022 million	UK	75.4%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	271,287,274	81%	230,903,498	69%	+0.037 million	France 85.6% 87.0%
Age 12 to 17	18,165,772	72%	15,521,542	61%	+0.003 million	Germany 76.1% 77.7%
Age 18 to 64	181,000,884	89%	153,748,856	76%	+0.010 million	Italy 81.0% 85.8%
Age 65 and over	59,742,433	100%	52,263,684	95%	+0.002 million	Australia 84.0% 86.5%
						Israel 66.2% 72.3%
						Canada 82.7% 86.8%
						Japan 82.5% 83.6%
						Africa 22.2% 28.1%
						India 67.1% 72.8%
						Brazil 80.2% 87.1%
						China 89.1% 91.4%



AK
71.5%
63.4%

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

"Immunity" = two doses

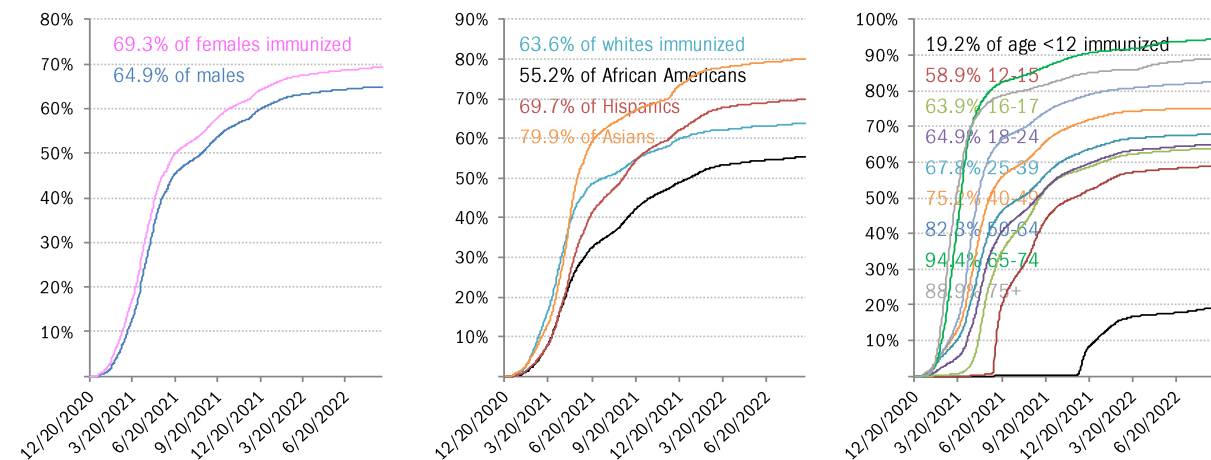
Best
Middle
Worst

Global data differs due to sources, timing

As of Sep 9

					WI							ME
					73.3%							93.3%
					66.7%							81.3%
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH	
82.9%	62.5%	66.6%	67.1%	76.8%	77.3%	68.1%			92.1%	95.0%	90.7%	
73.8%	55.2%	57.9%	56.7%	70.4%	69.6%	61.1%			78.5%	82.9%	72.4%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA			
79.4%	77.0%	59.3%	79.3%	69.2%	63.2%	64.5%	87.6%	92.4%	95.0%			
70.7%	62.0%	51.9%	63.7%	63.0%	56.9%	59.3%	70.6%	77.2%	80.9%			
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI		
84.1%	73.8%	81.4%	71.8%	67.7%	67.5%	66.3%	88.0%	89.0%	95.0%	95.0%		
73.5%	65.4%	71.6%	64.8%	57.3%	58.4%	58.7%	74.7%	77.4%	80.8%	85.0%		
	AZ	NM	KS	AR	TN	NC	SC	DC	DE			
	75.5%	90.5%	74.2%	68.3%	63.4%	87.3%	69.4%	95.0%	85.4%			
	63.2%	72.8%	63.4%	55.6%	55.4%	63.5%	58.4%	79.0%	70.9%			
			OK	LA	MS	AL	GA					
			72.7%	62.1%	60.9%	64.0%	67.0%					
			58.7%	54.4%	53.0%	52.2%	56.1%					
			TX									
			74.6%									
			62.1%									
									FL			
									80.9%			
									68.2%			
										PR		
										95.0%		
										84.6%		

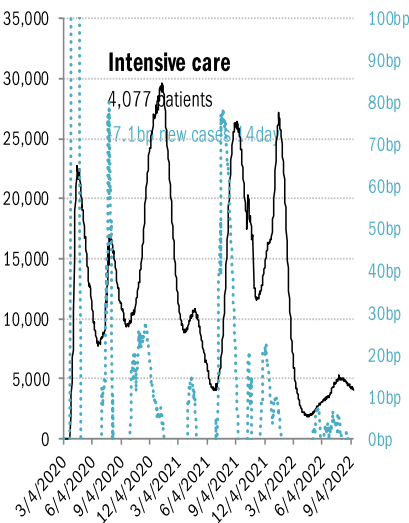
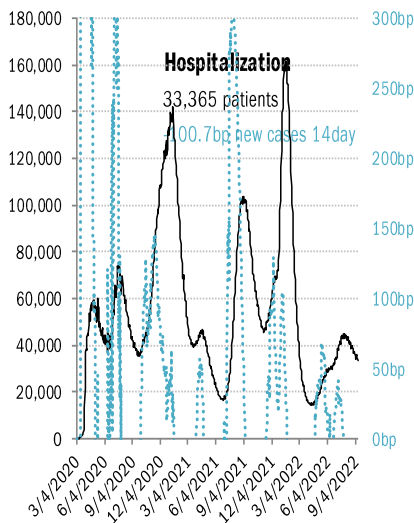
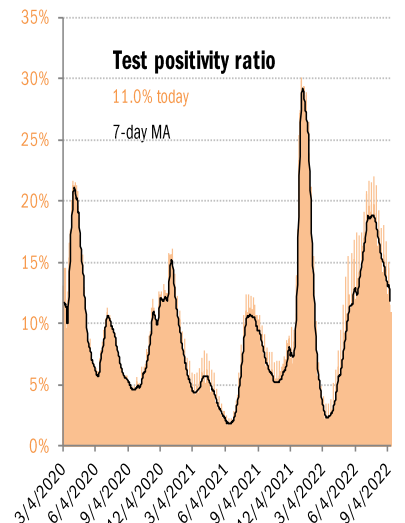
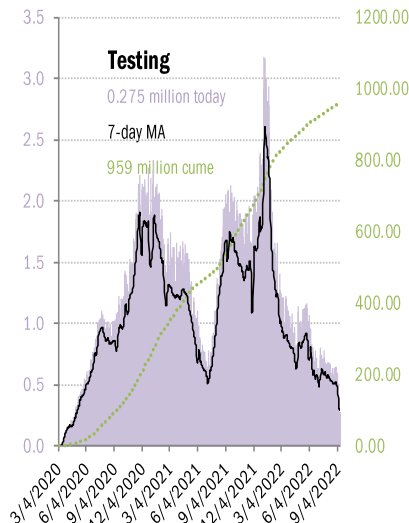
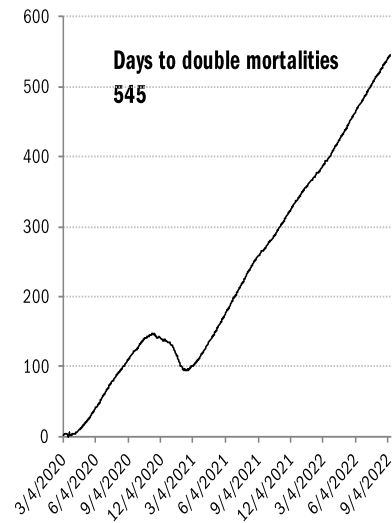
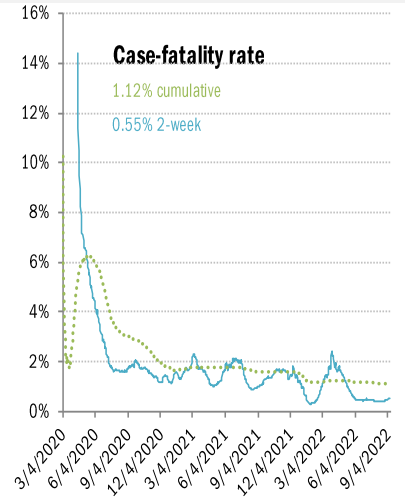
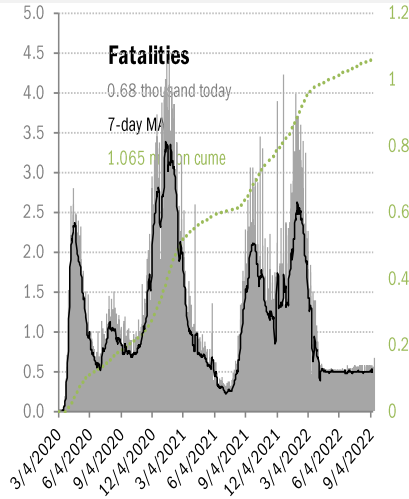
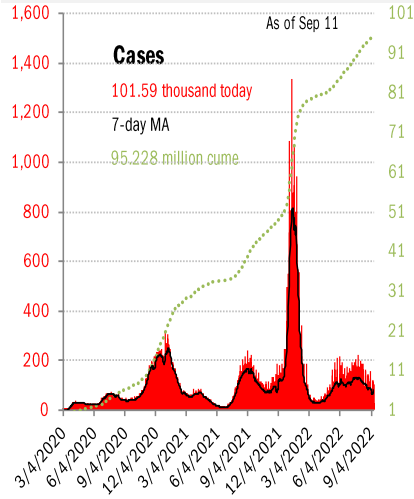
The demographics of US vaccination



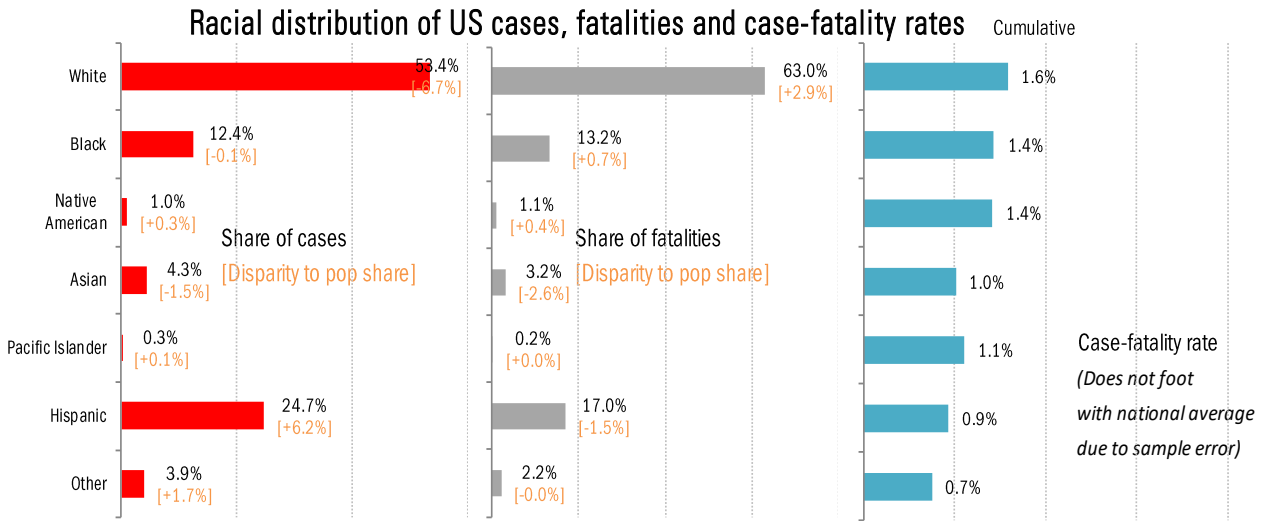
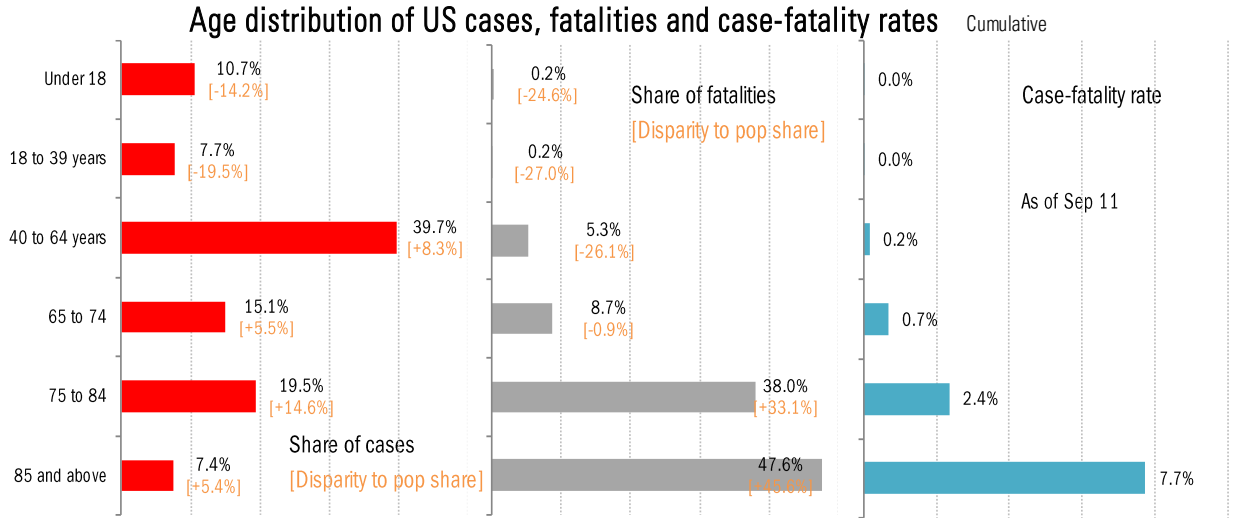
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

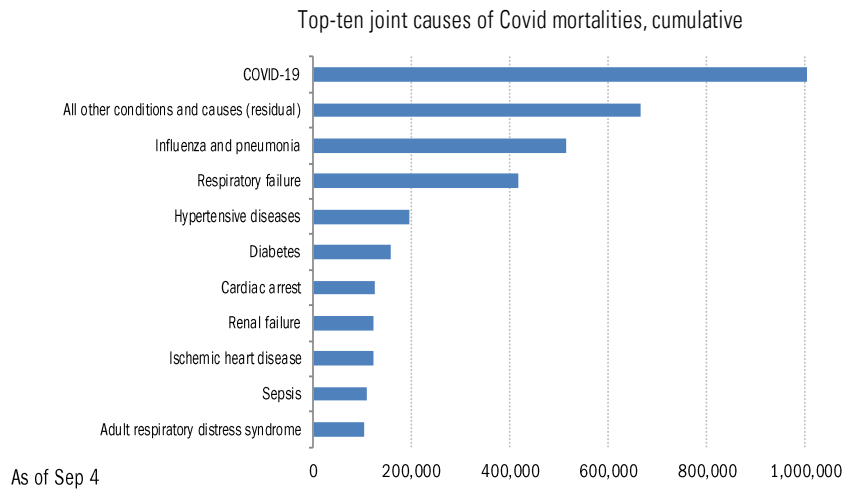
National and state-by-state data do not line up because of different sources



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 per death.

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

Recommended reading

[The Mystery of Why Some People Don't Get Covid](#)

Grace Browne

Wired

September 12, 2022

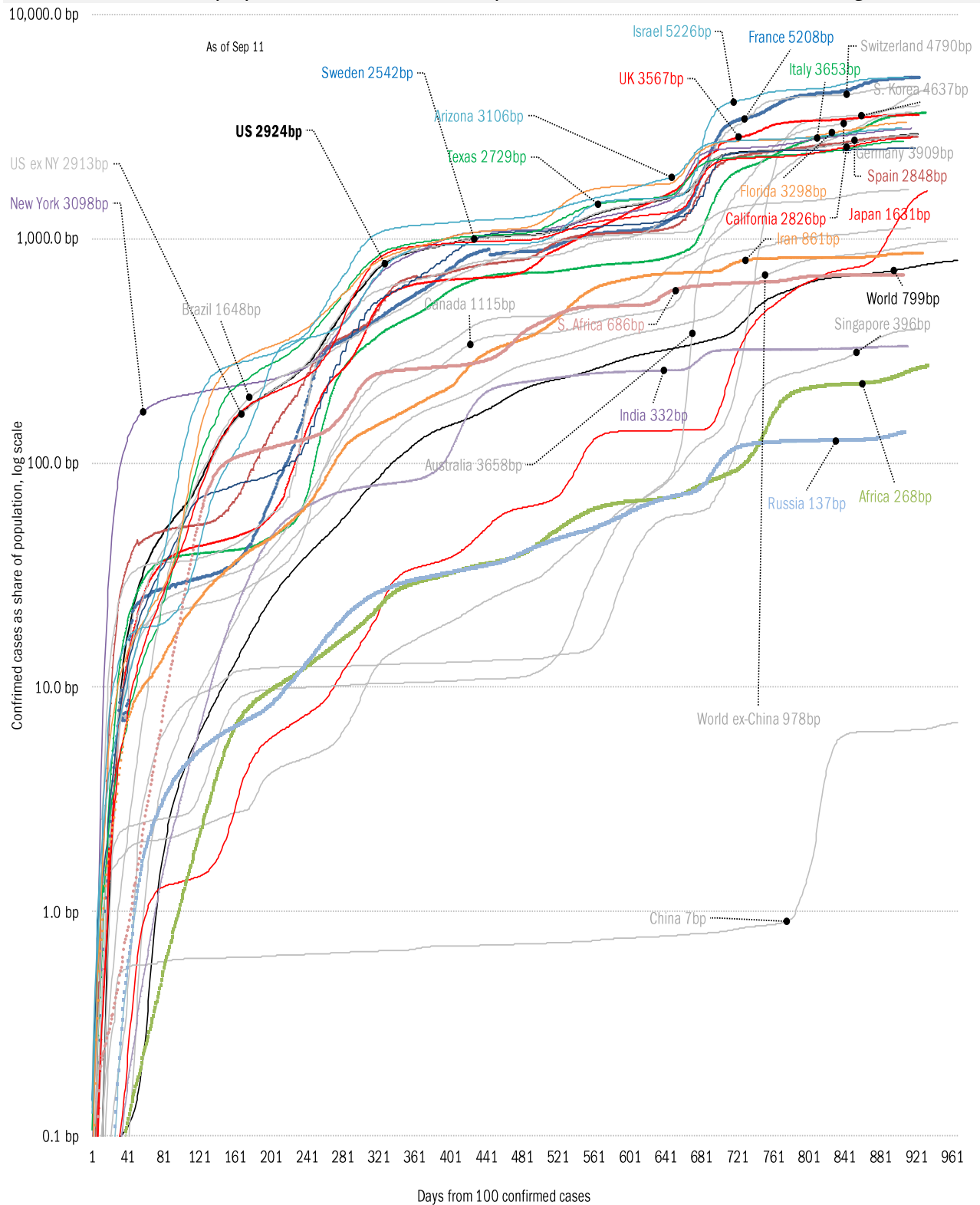
Meme of the day



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

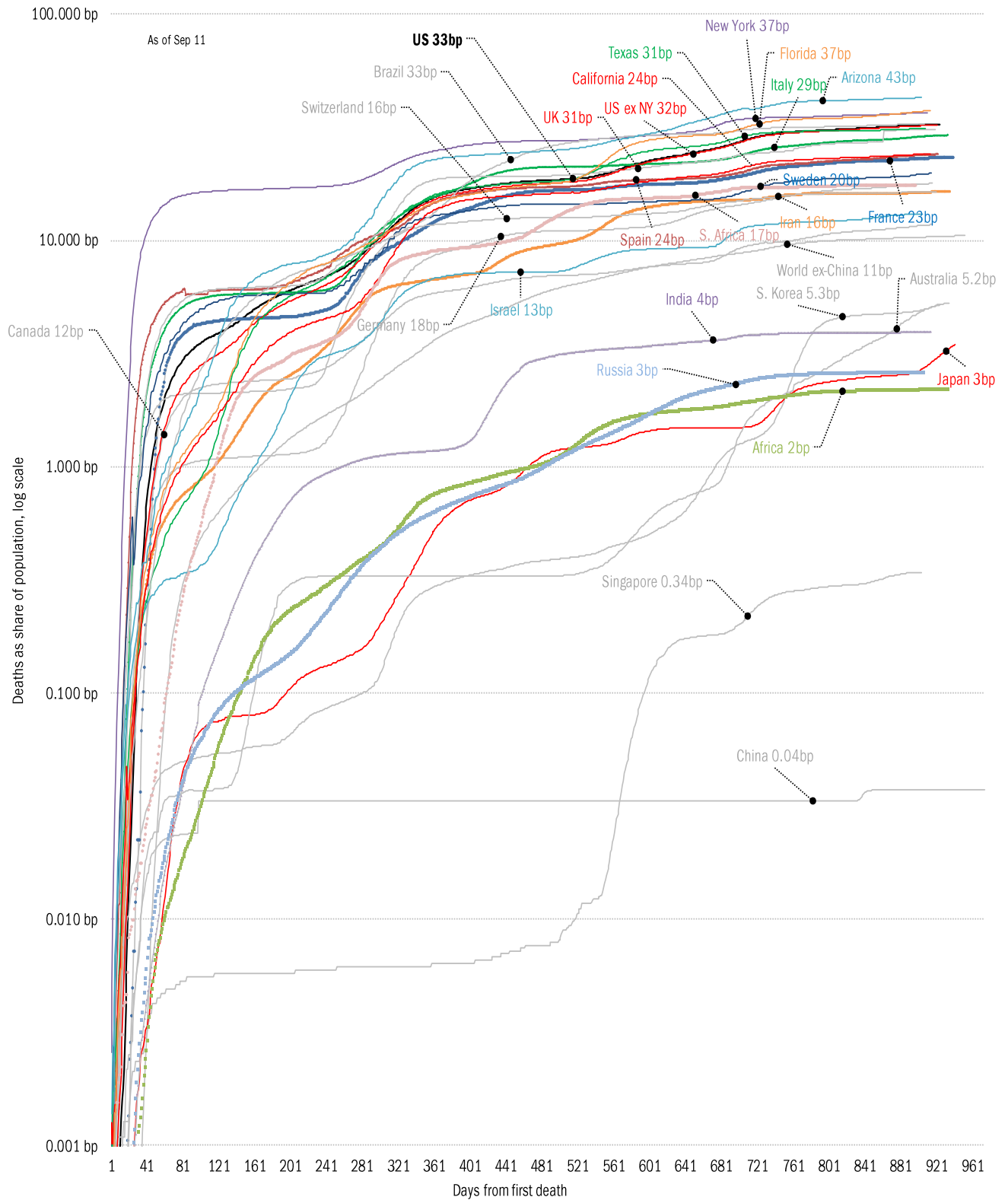
The global coronavirus case accelerometer... tracking the world's infection curves

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

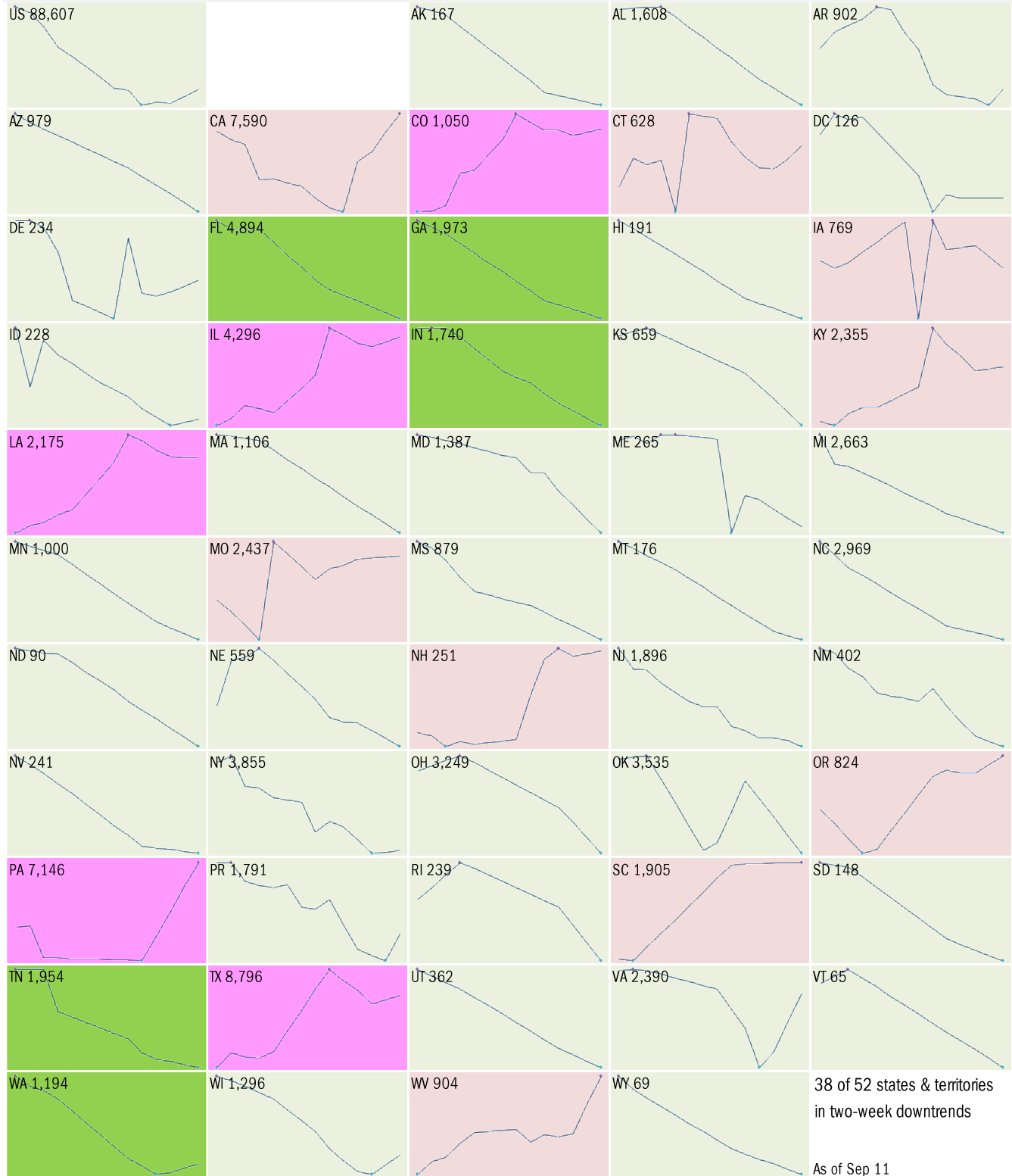


Source: [Johns Hopkins](#), TrendMacro calculations

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

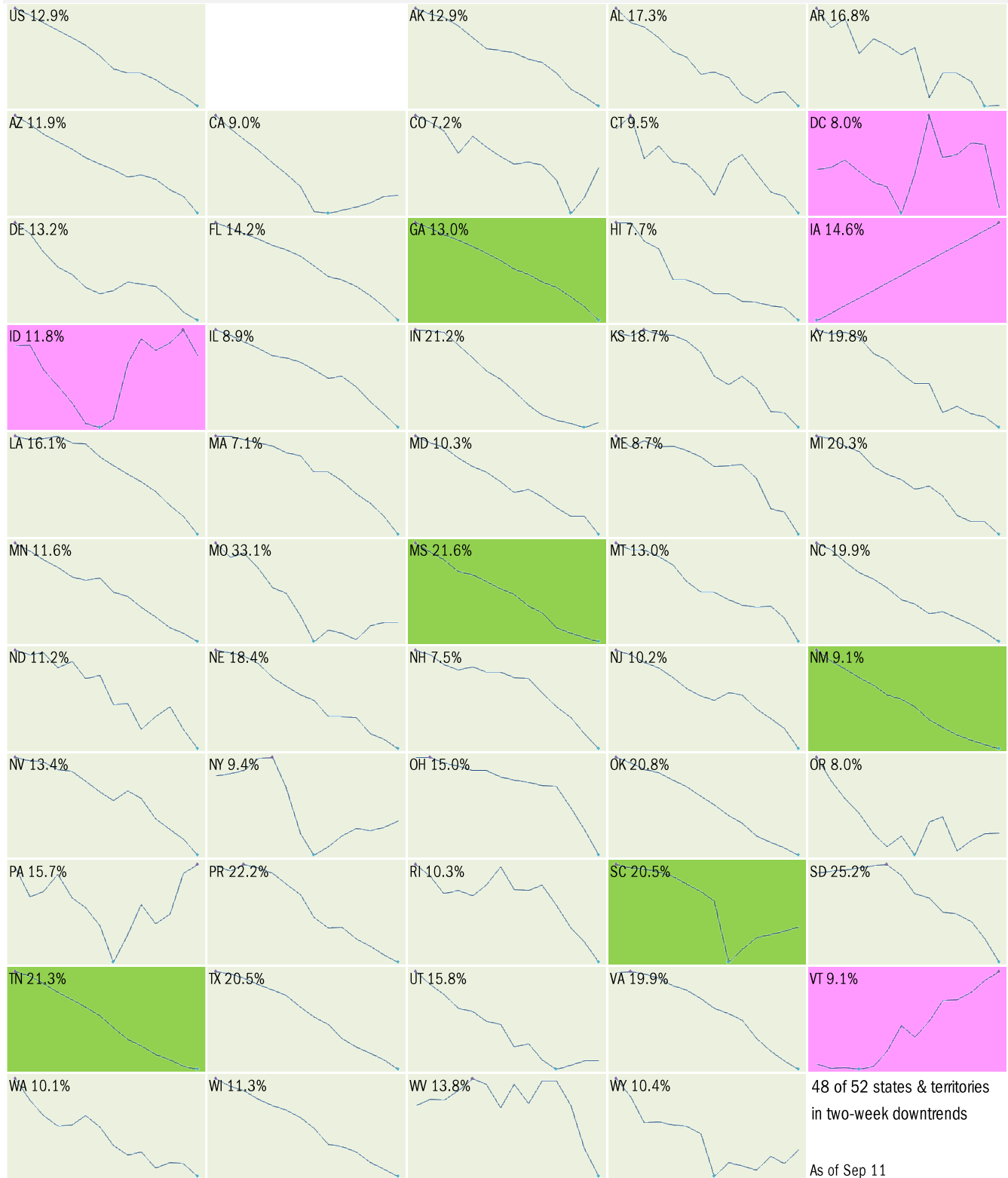


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

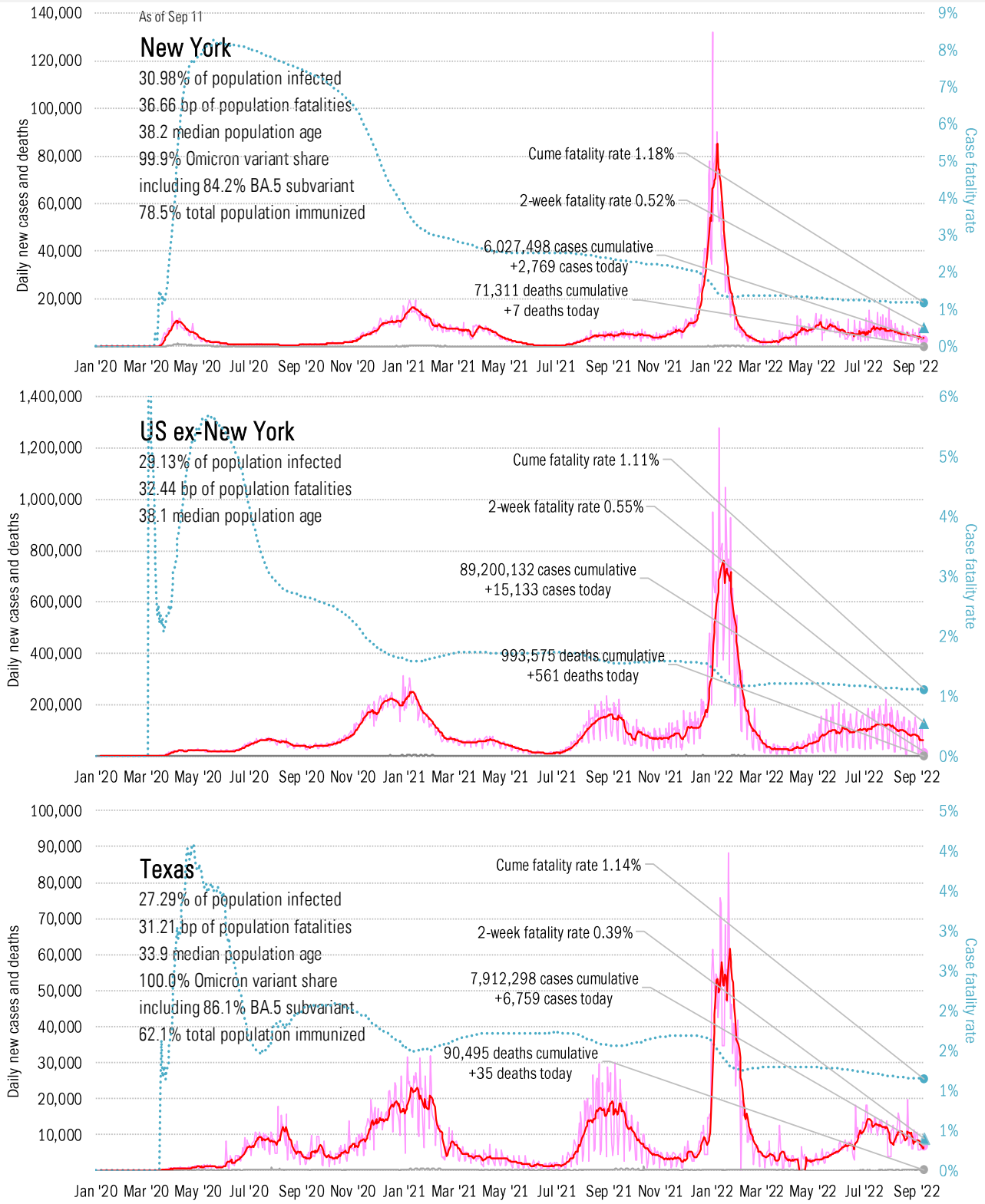
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

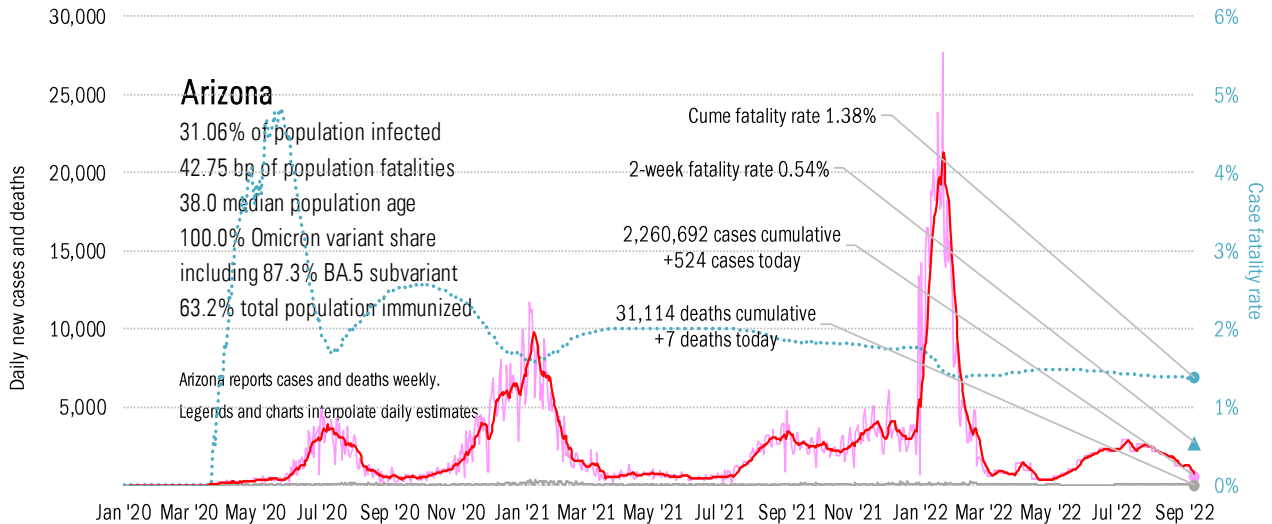
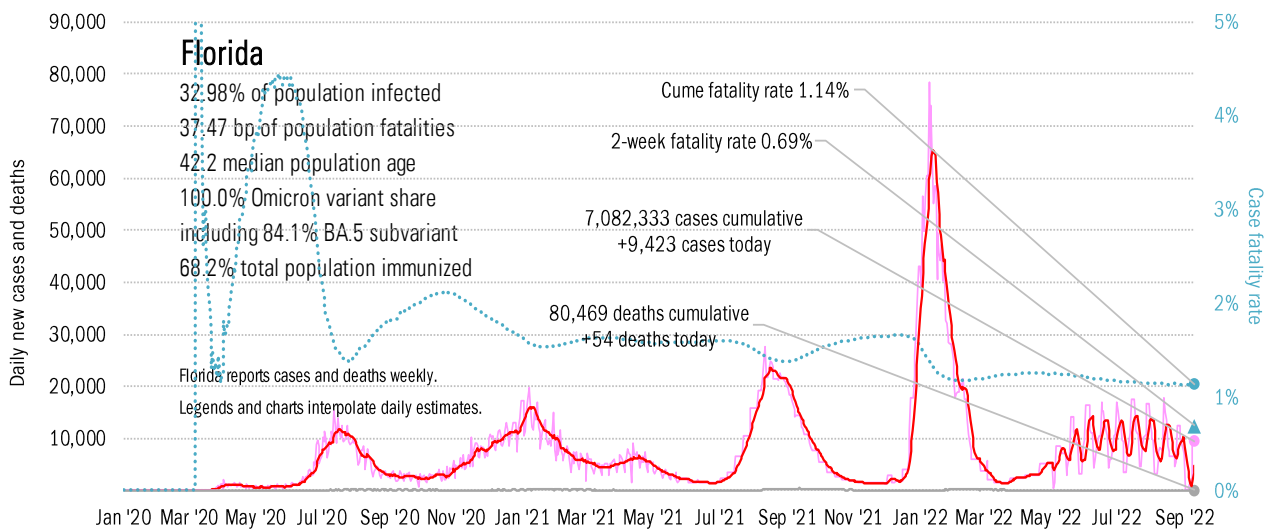
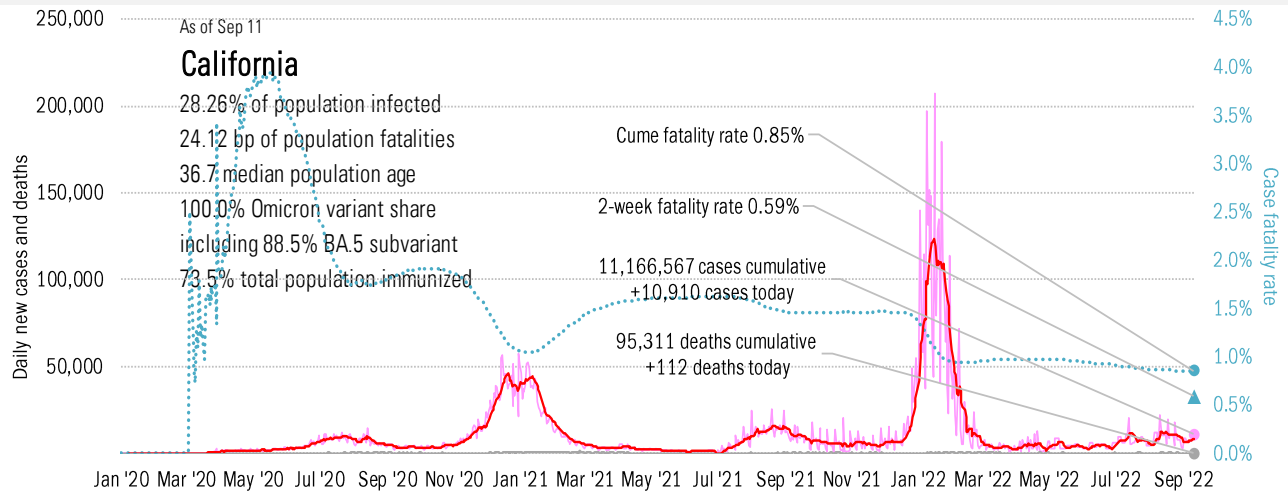
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

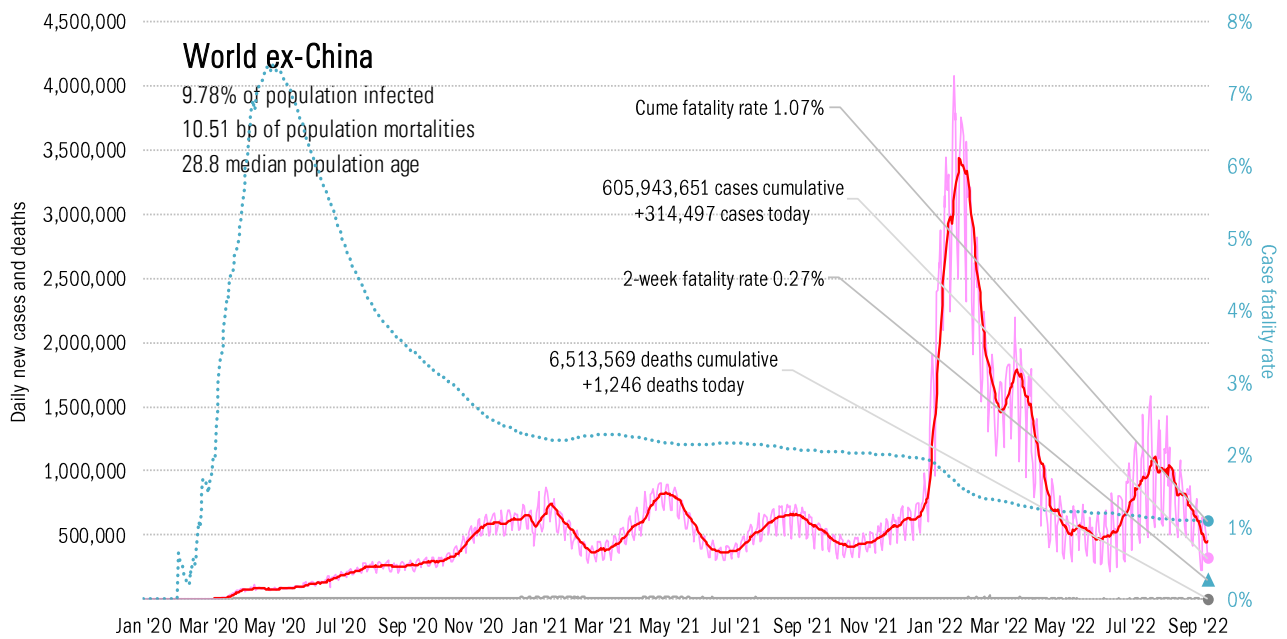
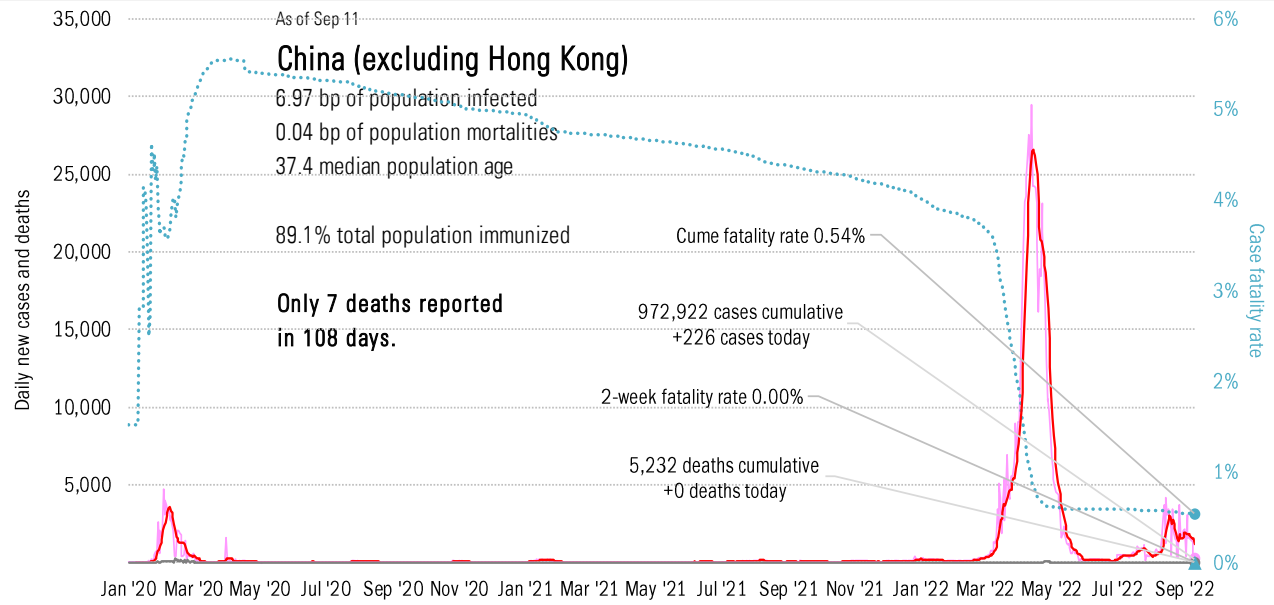
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

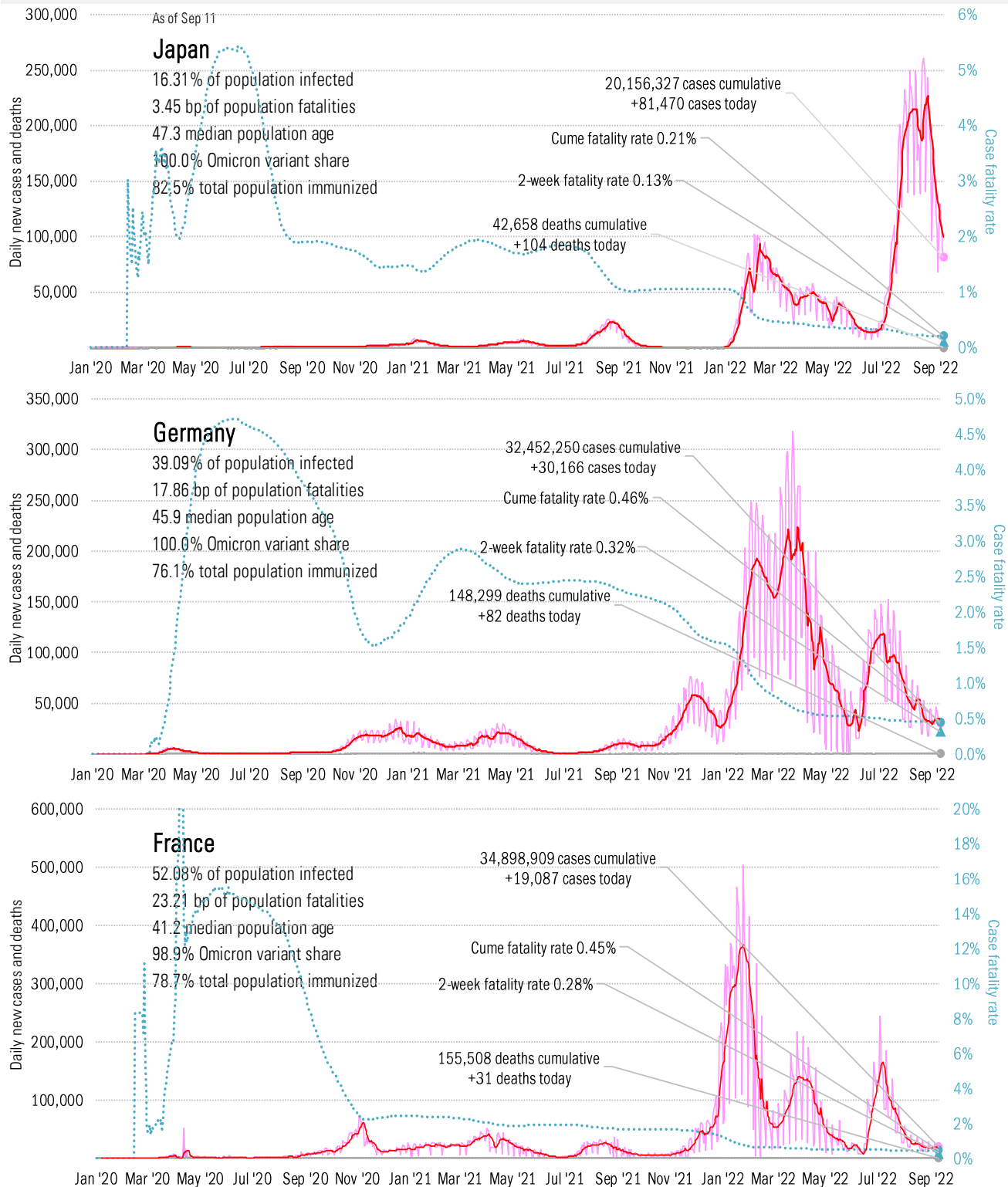
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

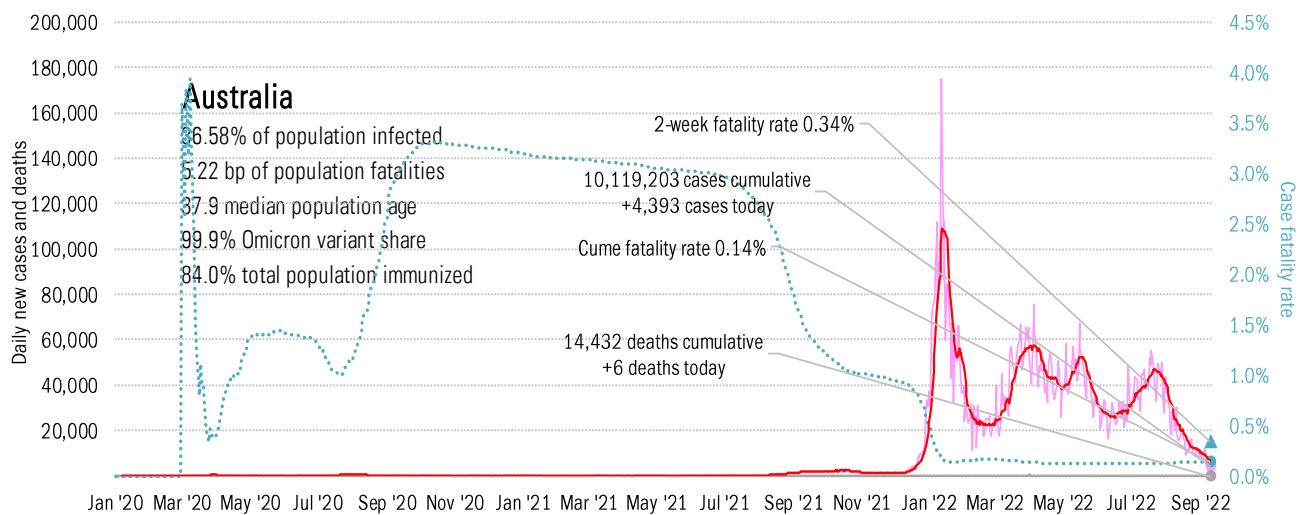
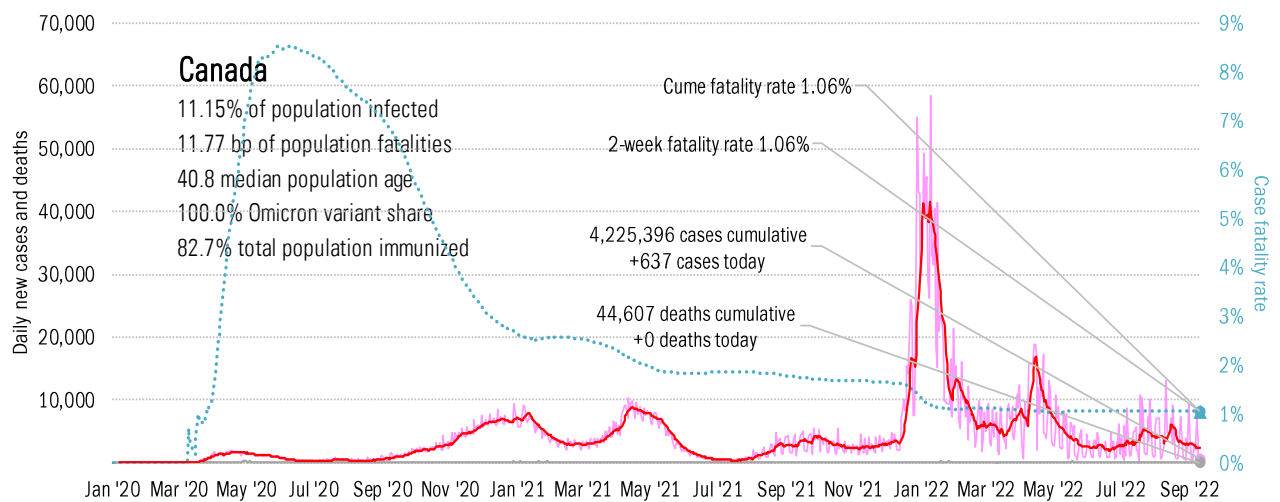
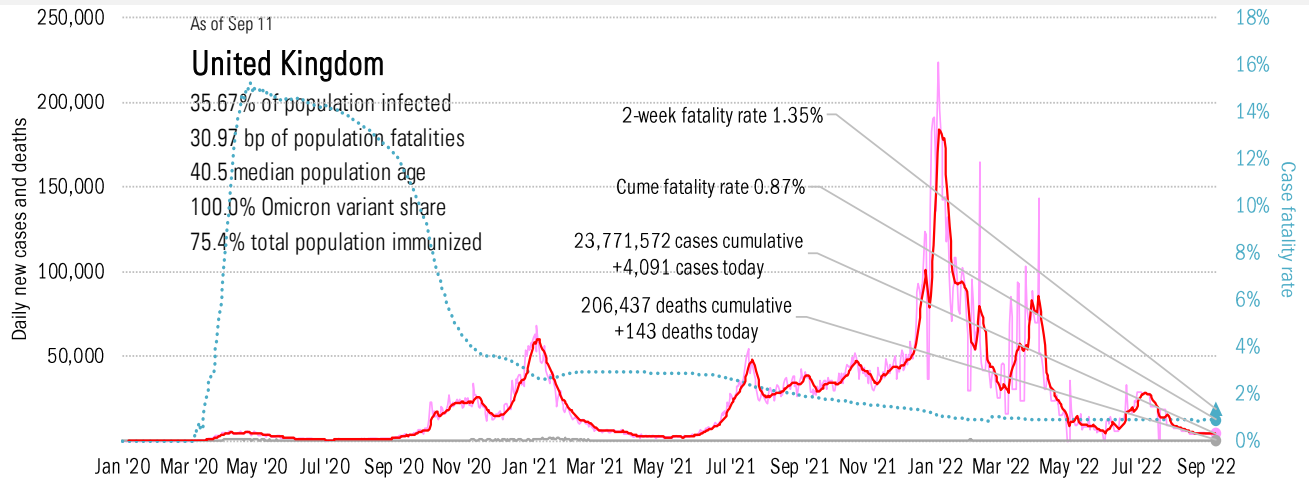
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

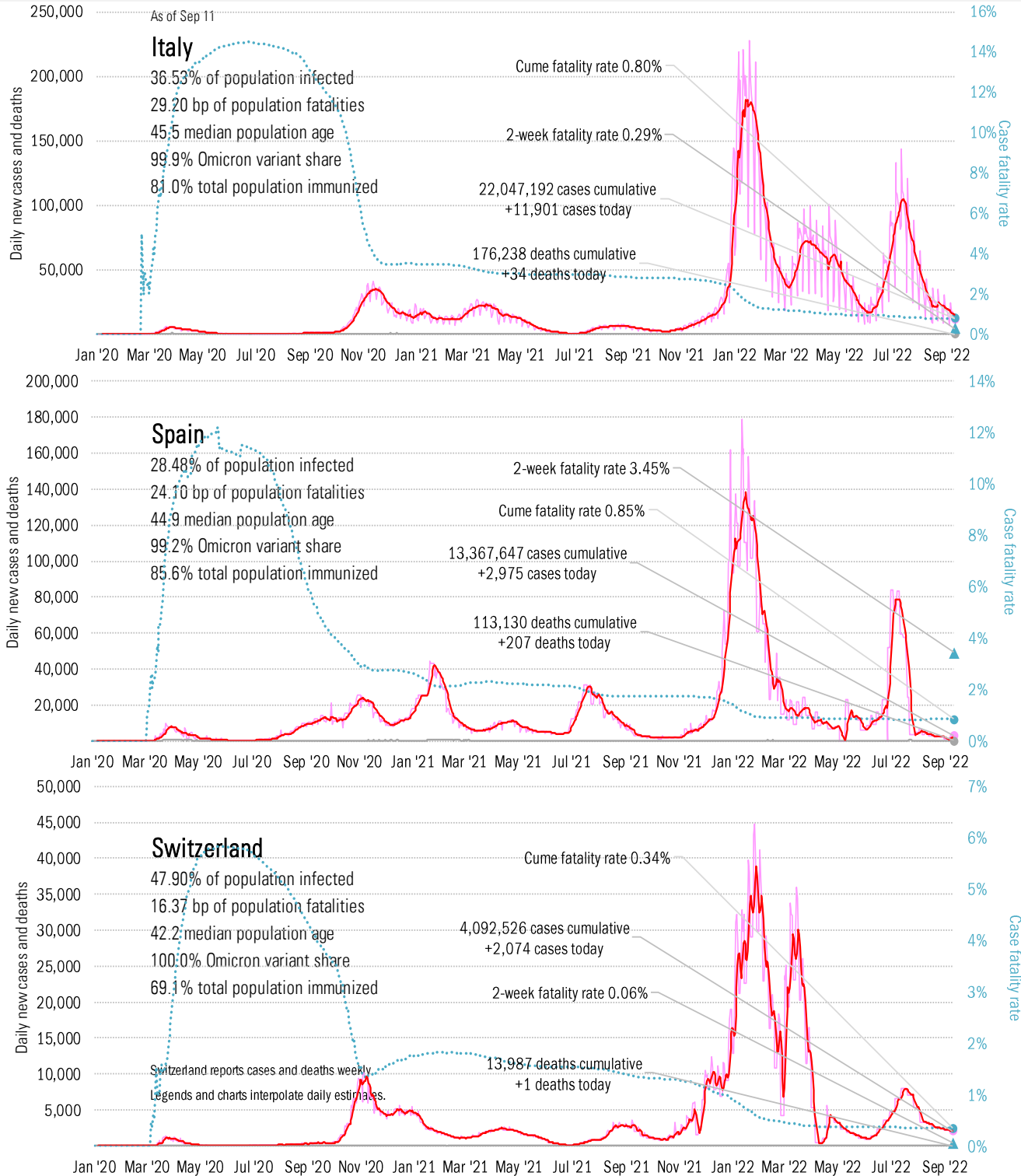
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

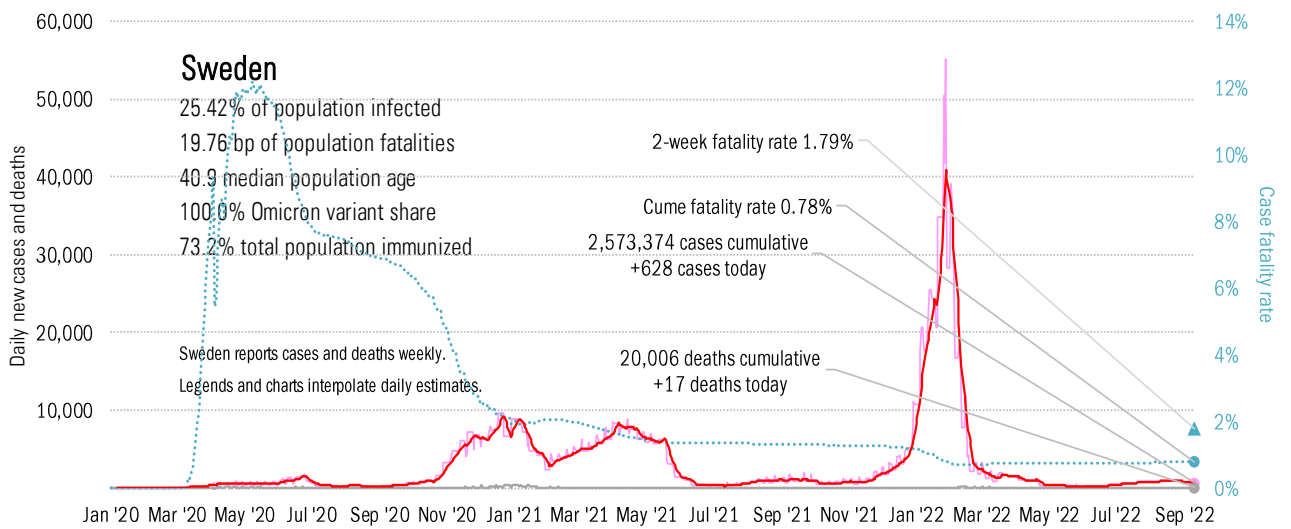
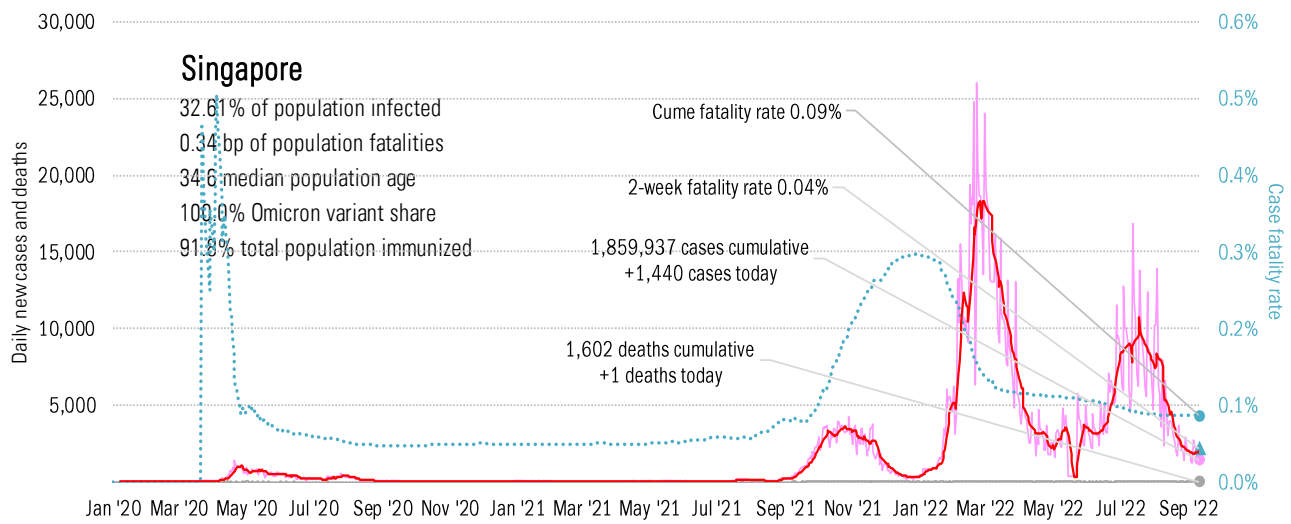
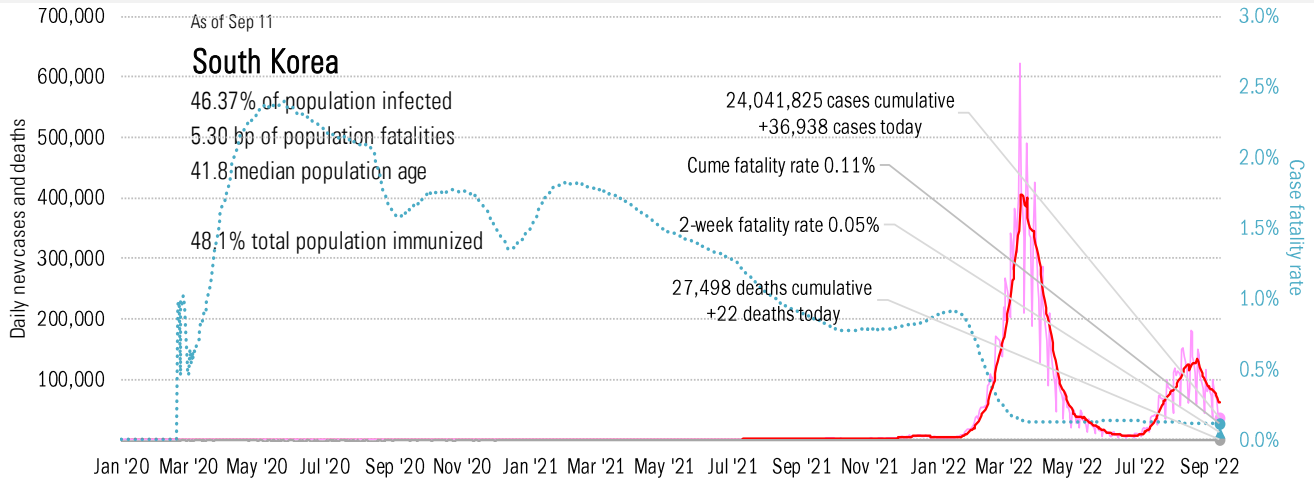
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

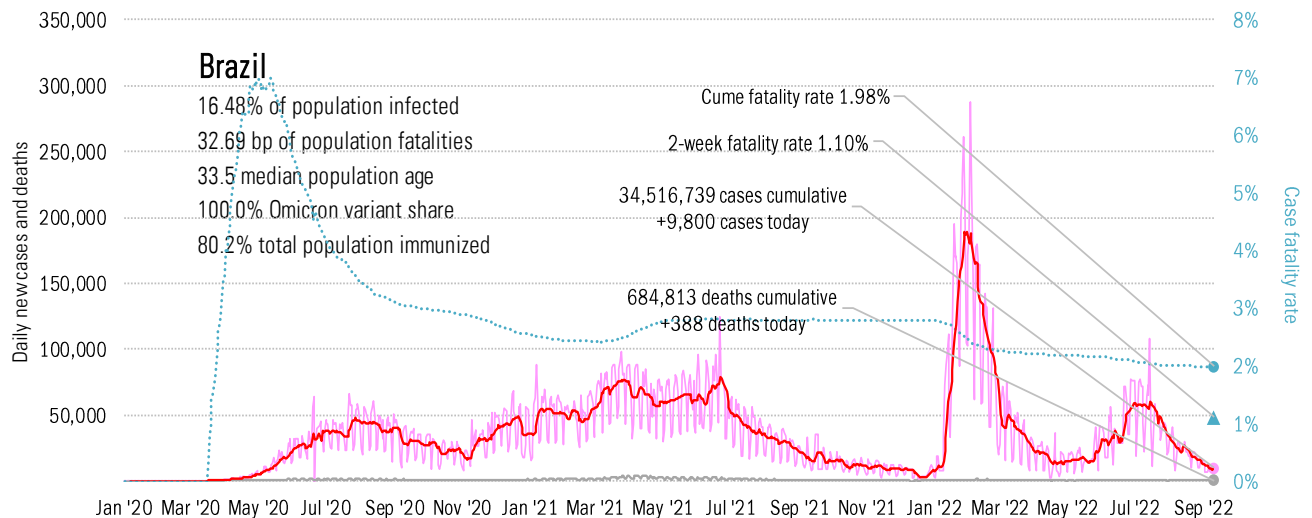
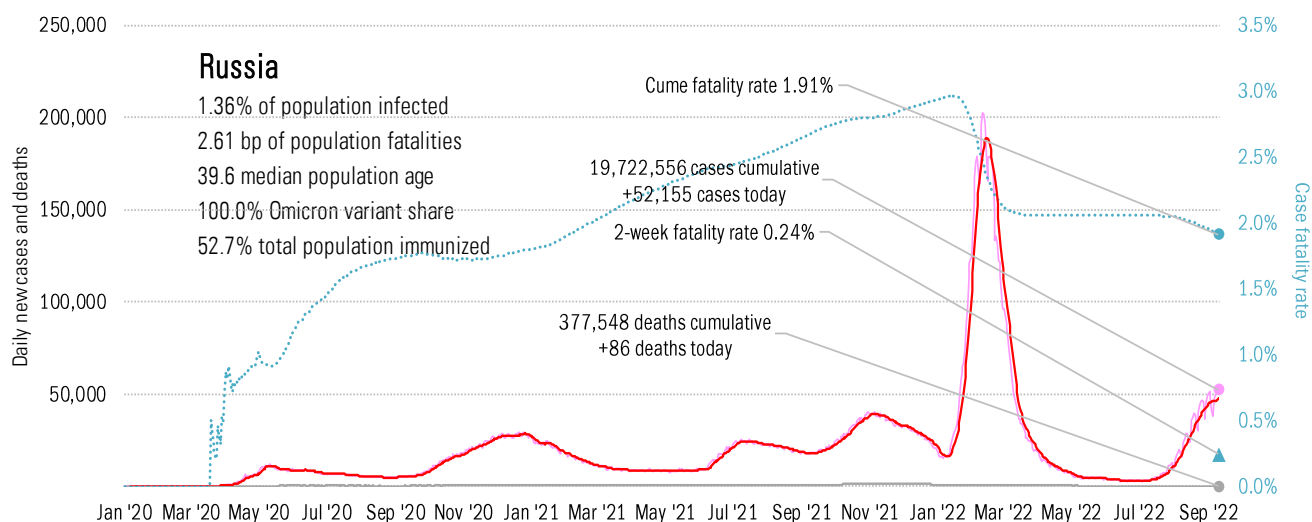
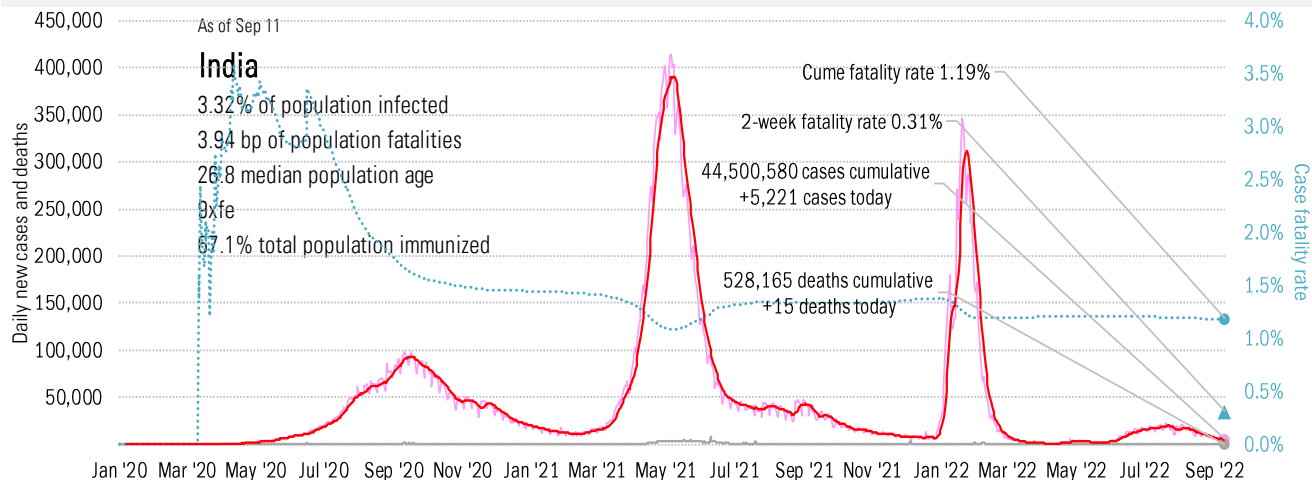
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

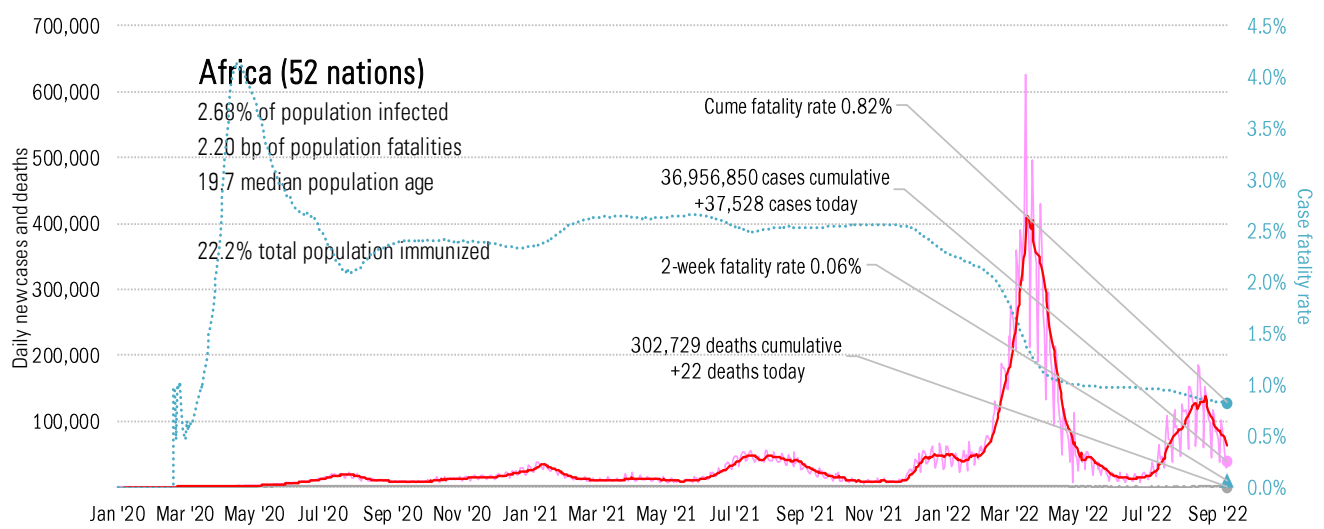
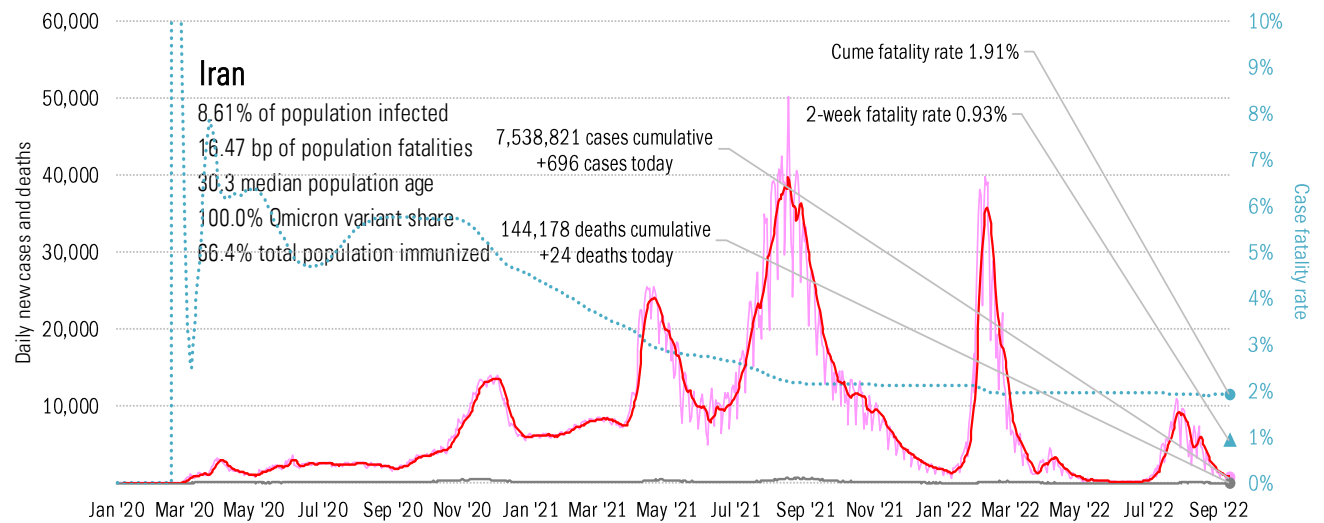
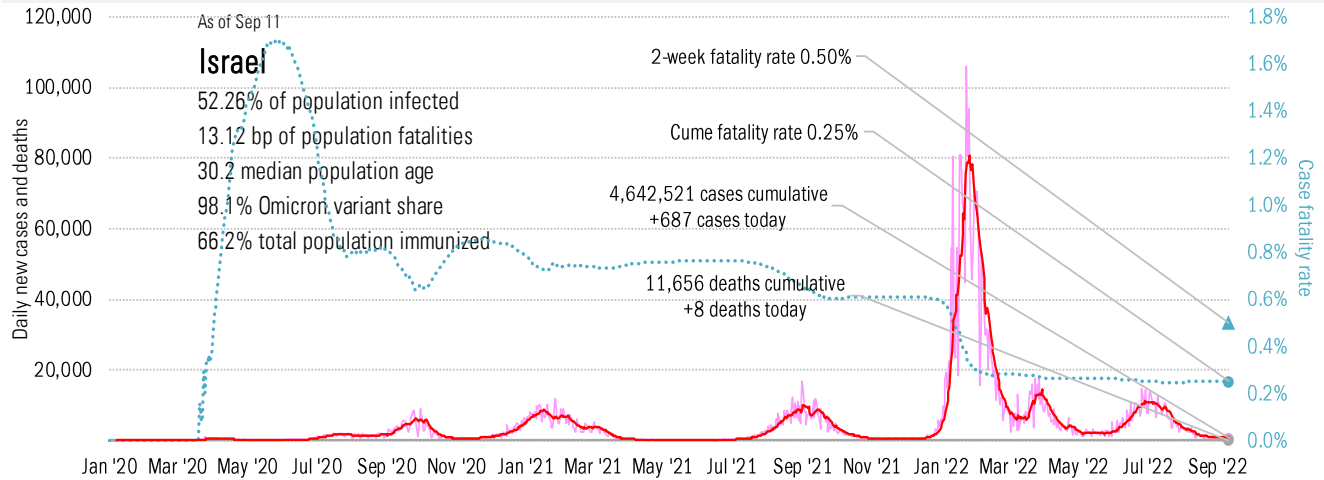
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

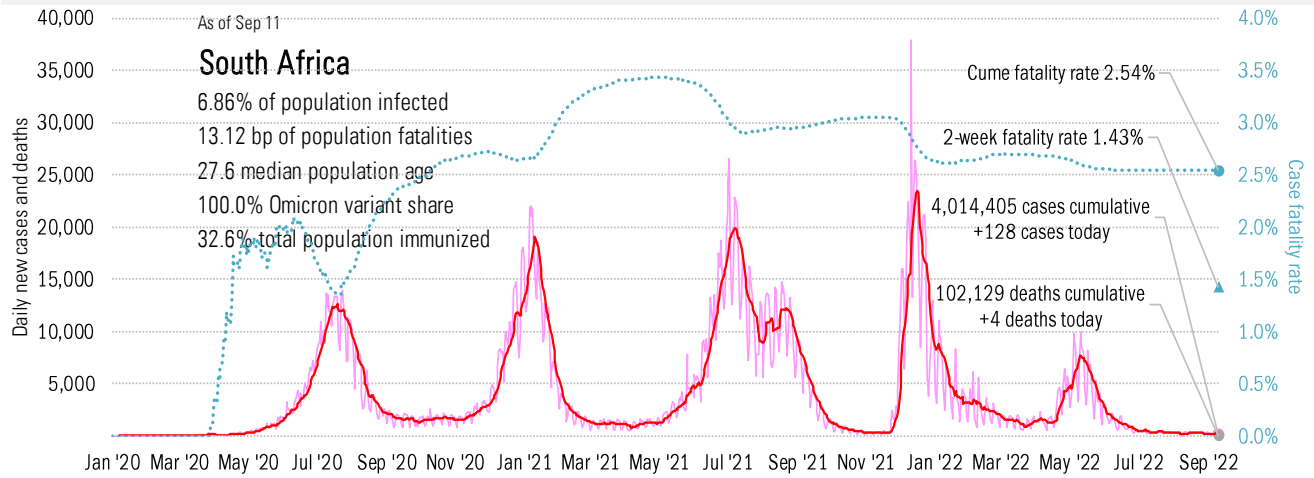
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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