

Data Insights: Covid-2019 Monitor

Saturday, September 17, 2022

The global scorecard

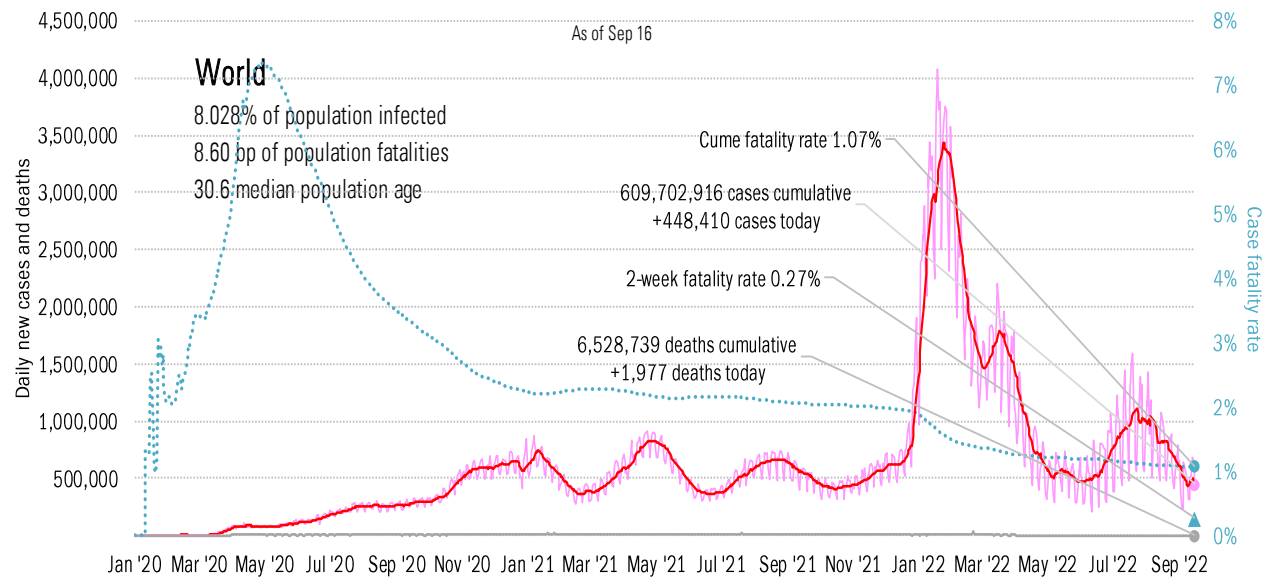
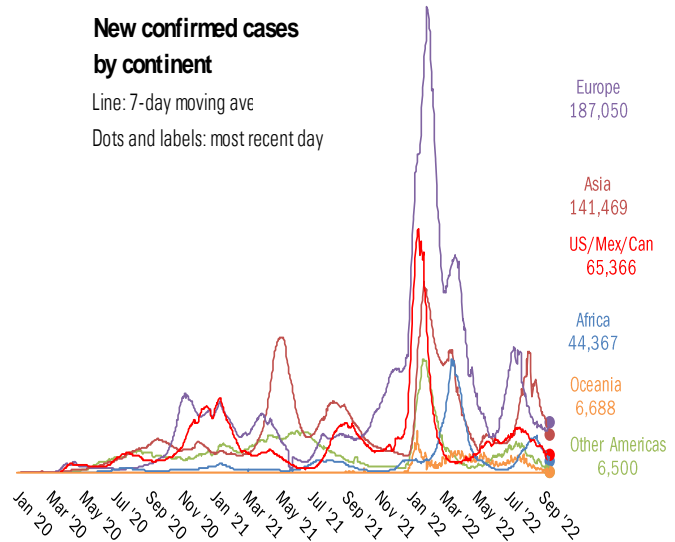
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	100,129	United States	560
Japan	75,905	Spain	446
Russia	58,393	Japan	177
Korea, South	43,400	Australia	125
Taiwan*	41,607	Russia	108
Germany	36,613	Germany	88
France	28,686	Canada	77
Italy	17,362	Korea, South	57
Spain	10,760	Taiwan*	46
Australia	6,680	Italy	44
419,535		1,728	
World	448,410	World	1,977
Top ten	94%	Top ten	87%

New confirmed cases by continent

Line: 7-day moving ave
 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

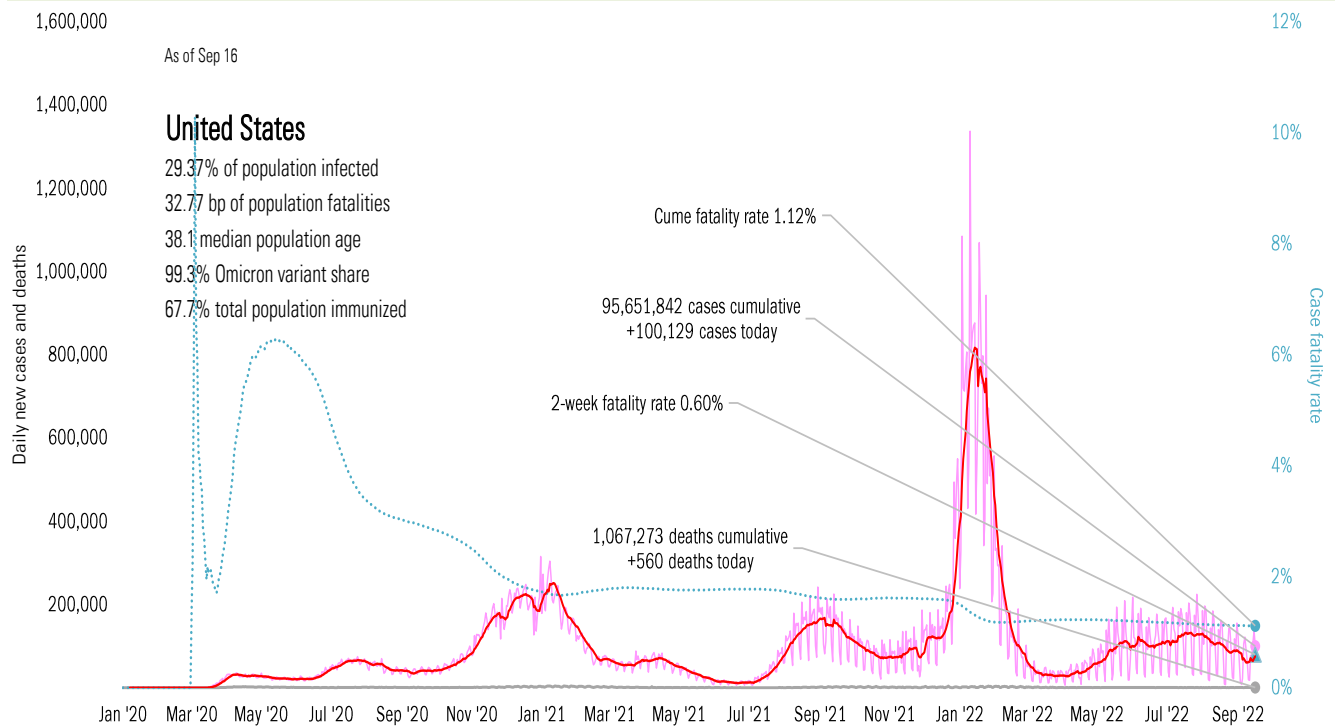
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
PA	17,506		FL	53		PA	223		CA	11,199,214		CA	95,550		TX	542,002		RI	92%	NH	86%
TX	10,341		TX	53		TX	375		TX	7,949,154		TX	90,639		CA	495,271		MA	89%	AK	86%
NY	7,763		WA	51		MA	116		FL	7,115,614		FL	80,763		FL	489,616		GA	88%	TX	85%
MO	7,374		MO	40		GA	169		NY	6,053,818		NY	71,502		NY	295,490		MO	85%	MA	85%
CA	5,608		NY	40		WI	83		IL	3,733,902		PA	46,970		GA	224,425		MN	85%	GA	85%
WA	4,776		MI	28		AR	44		PA	3,220,994		GA	40,025		CH	215,875		DE	84%	AL	84%
KS	4,247		IN	24		MN	71		NC	3,162,491		CH	39,675		PA	201,318		WA	84%	NC	83%
NC	3,027		GA	21		MI	163		CH	3,117,109		IL	39,536		IL	184,616		DC	84%	RI	83%
CH	2,936		PA	20		ND	19		GA	2,893,001		MI	38,317		MI	160,570		MD	83%	WA	83%
MI	2,625		VA	17		NJ	120		MI	2,804,588		NJ	34,663		KY	143,729		NH	83%	NM	83%
66,203			348			1,383			51,249,885			577,640			2,952,912						
All states	100,129		560			4,374			All states	95,651,842		1,067,273			5,356,589			All states	70%	67%	
Top ten	66%		62%			32%			Top ten	54%		55%			55%			Median	78%	74%	

Some states not reporting

Five most improved US states

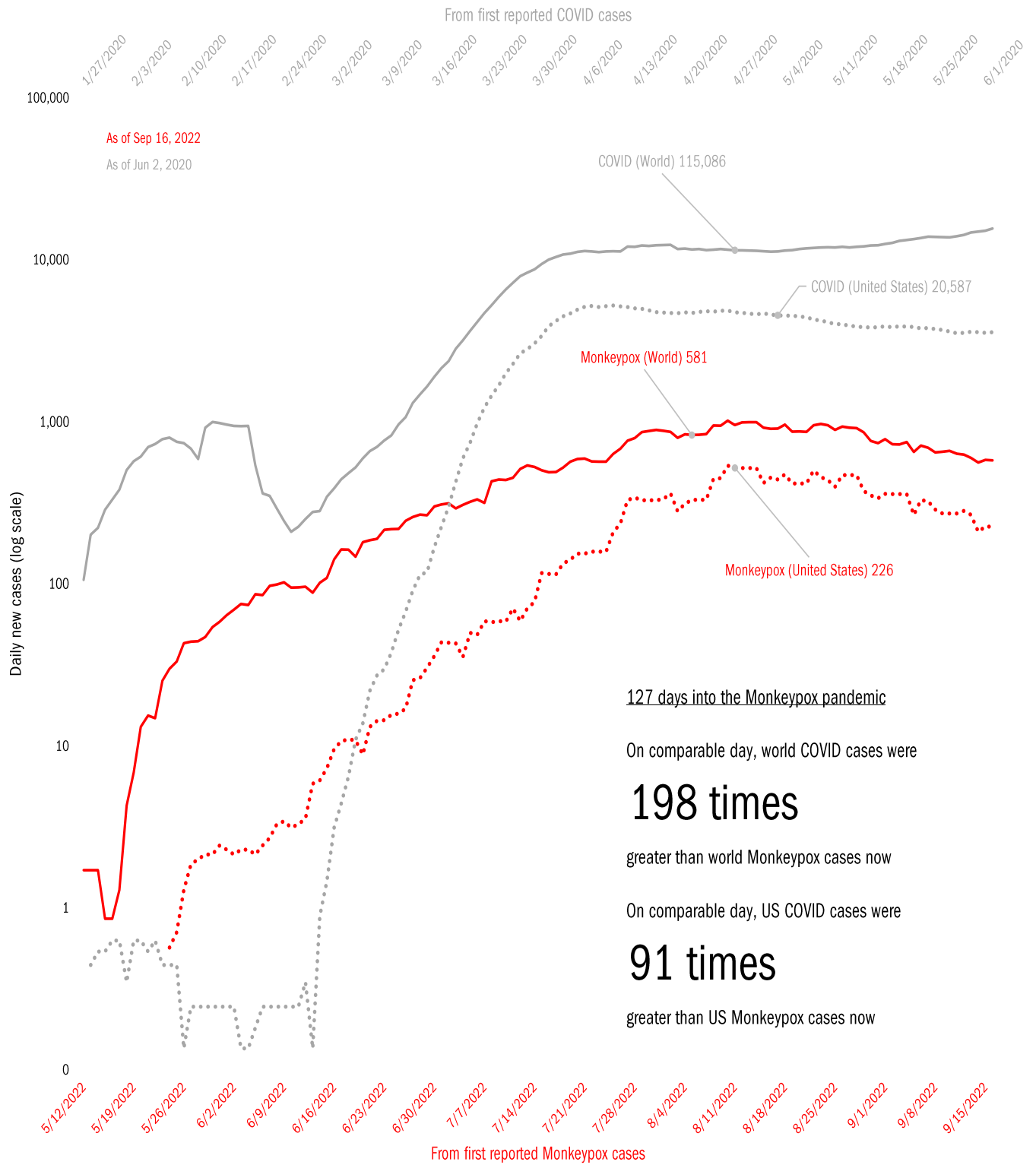
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
FL	-6,681	CA	-109	CA	-136
CA	-2,048	WI	-20	NC	-44
IL	-619	IL	-14	NY	-42
LA	-387	CT	-11	IL	-29
IN	-333	NM	-6	LA	-22



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

The Monkeypox contextualizer

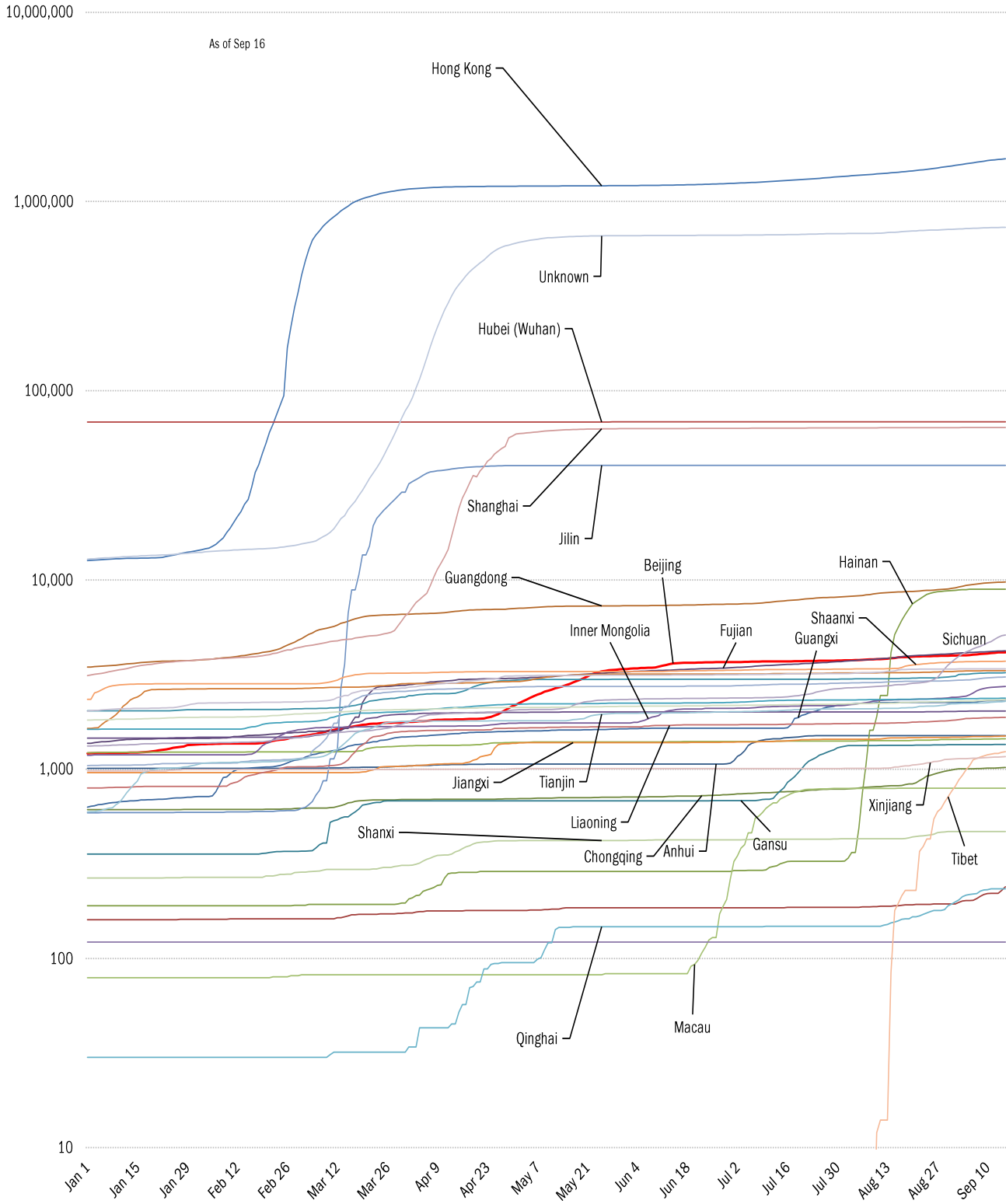
The course of case growth versus COVID



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"

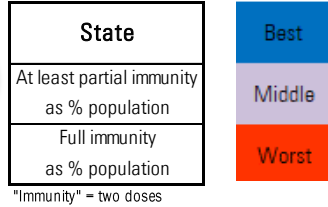
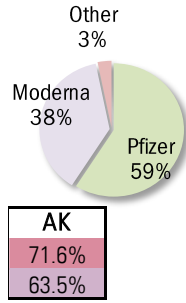


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

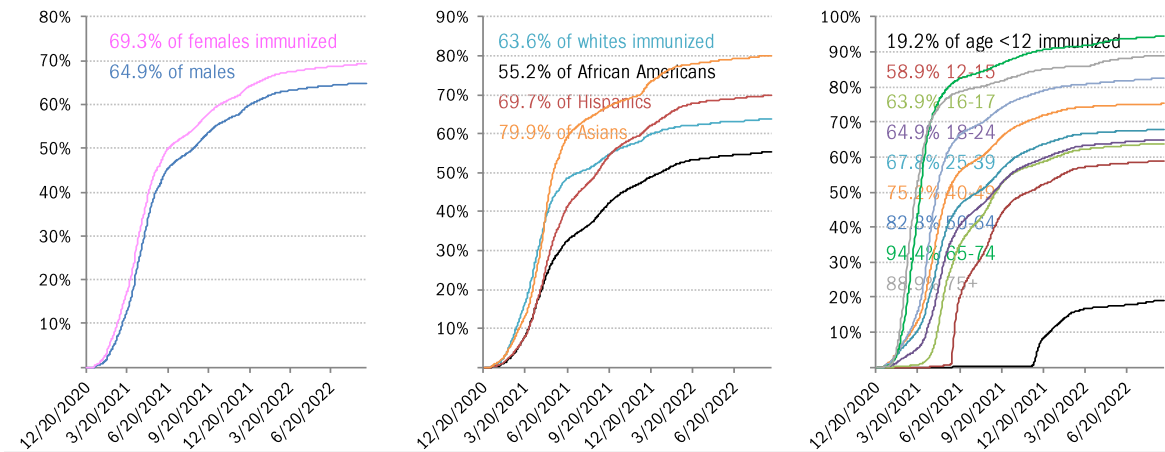
Administered	Cumulative		Today	Immunity	Full	Partial
Doses	628,212,647		+0.301 million	US	67.7%	79.3%
of which boosters	111,339,704		+0.036 million	UK	75.4%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	271,603,286	81%	231,176,587	69%	+0.039 million	France 78.7% 80.9%
Age 12 to 17	18,184,016	72%	15,537,763	61%	+0.002 million	Spain 85.6% 87.0%
Age 18 to 64	181,166,913	89%	153,880,774	76%	+0.019 million	Germany 76.1% 77.7%
Age 65 and over	59,792,035	100%	52,310,508	95%	+0.007 million	Italy 81.0% 85.8%
						Australia 84.0% 86.5%
						Israel 66.2% 72.3%
						Canada 82.7% 87.0%
						Japan 82.5% 83.6%
						Africa 22.6% 28.6%
						India 67.2% 72.9%
						Brazil 80.3% 87.1%
						China 89.1% 91.4%



As of Sep 16

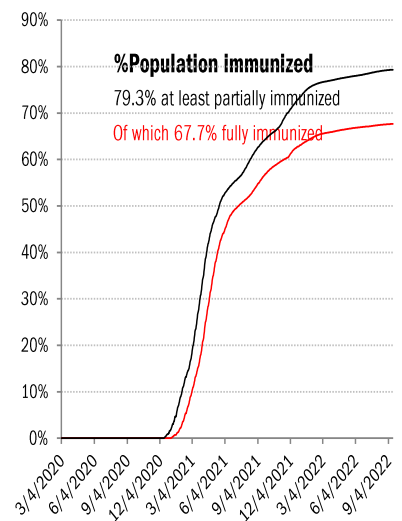
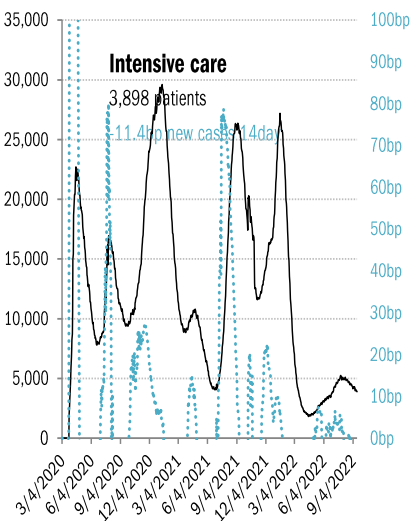
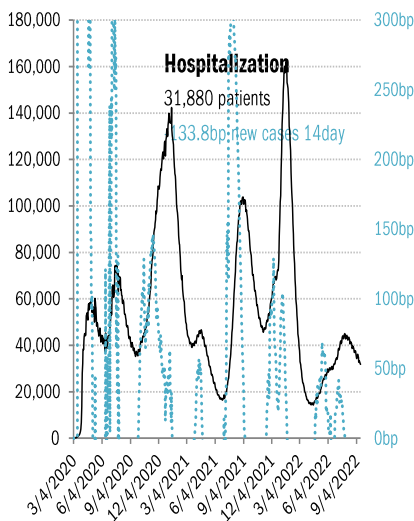
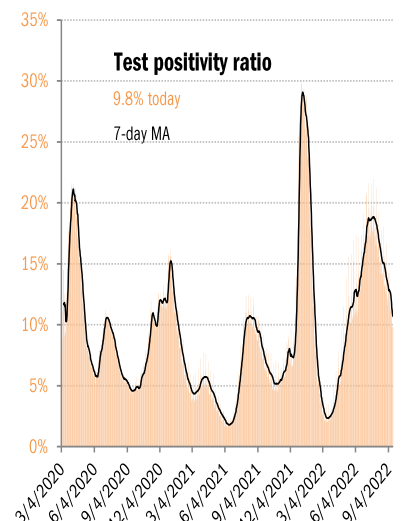
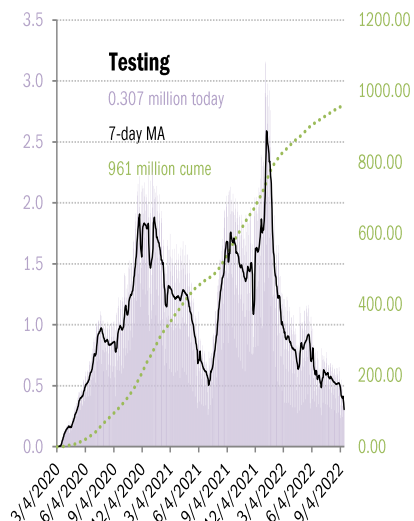
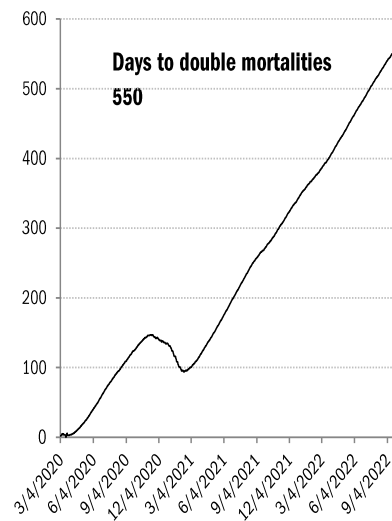
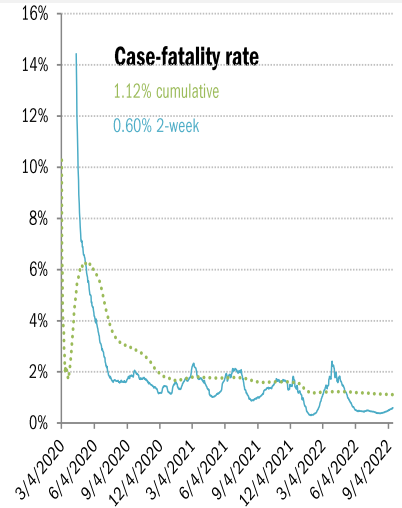
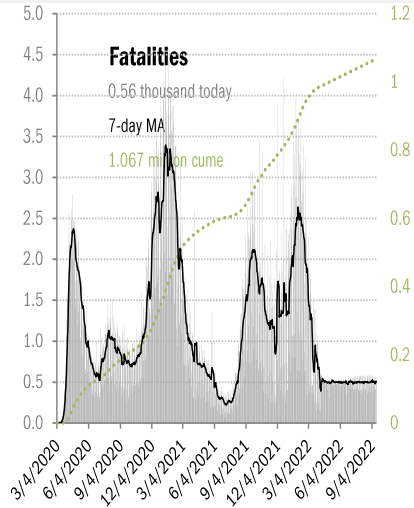
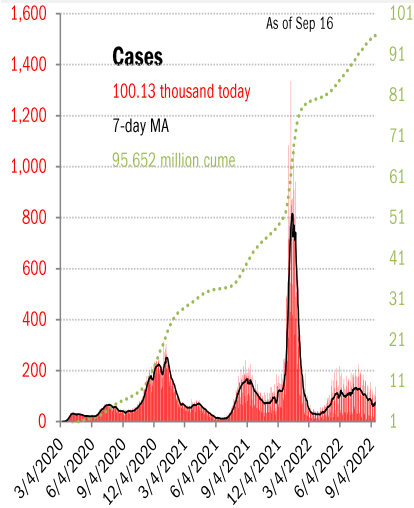
State	Best	Middle	Worst
AK	71.6%	63.5%	
WI	73.4%	66.7%	
ME	93.4%	81.4%	
NY	92.2%	78.6%	
VT	95.0%	83.0%	
NH	91.0%	72.6%	
OR	79.5%	70.8%	
NV	77.1%	62.1%	
WY	59.3%	51.9%	
SD	79.5%	63.9%	
IA	69.3%	63.0%	
IN	63.2%	56.9%	
OH	64.5%	59.4%	
PA	87.7%	70.7%	
NJ	92.5%	77.2%	
MA	95.0%	81.0%	
CA	84.2%	73.6%	
UT	73.8%	65.5%	
CO	81.5%	71.7%	
NE	71.8%	64.8%	
MO	67.7%	57.4%	
KY	67.5%	58.5%	
WV	66.3%	58.7%	
VA	88.1%	74.8%	
MD	89.1%	77.5%	
CT	95.0%	80.9%	
RI	95.0%	85.1%	
AZ	75.6%	63.2%	
NM	90.6%	72.9%	
KS	74.3%	63.5%	
AR	68.3%	55.7%	
TN	63.4%	55.5%	
NC	87.6%	63.7%	
SC	69.4%	58.4%	
DC	95.0%	79.3%	
DE	85.4%	71.0%	
OK	72.8%	58.7%	
LA	62.1%	54.4%	
MS	60.9%	53.0%	
AL	64.0%	52.2%	
GA	67.1%	56.1%	
HI	89.6%	79.8%	
TX	74.7%	62.1%	
FL	81.0%	68.3%	
PR	95.0%	84.8%	

The demographics of US vaccination

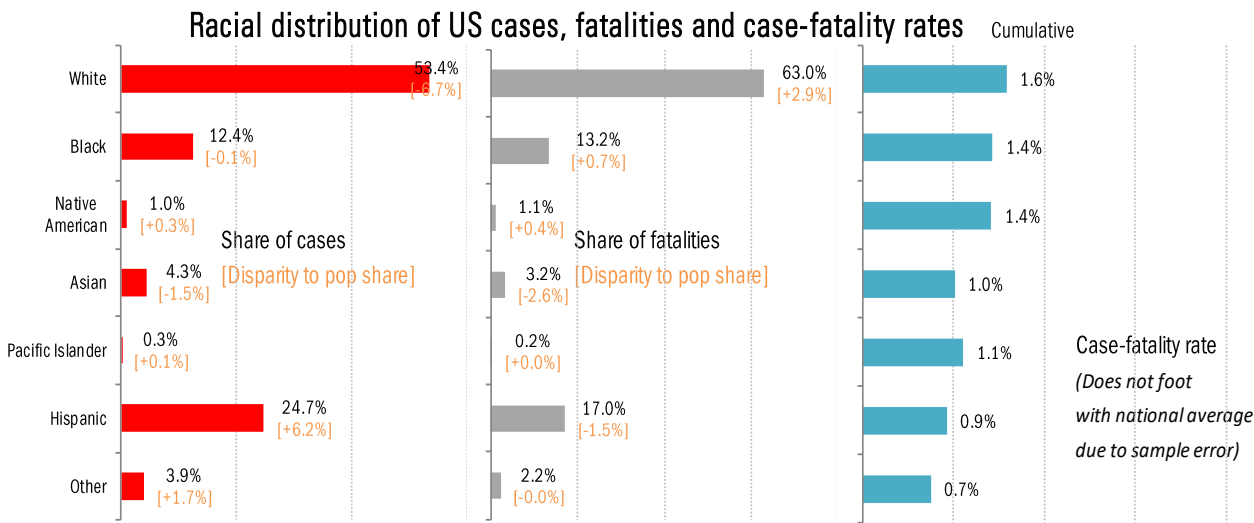
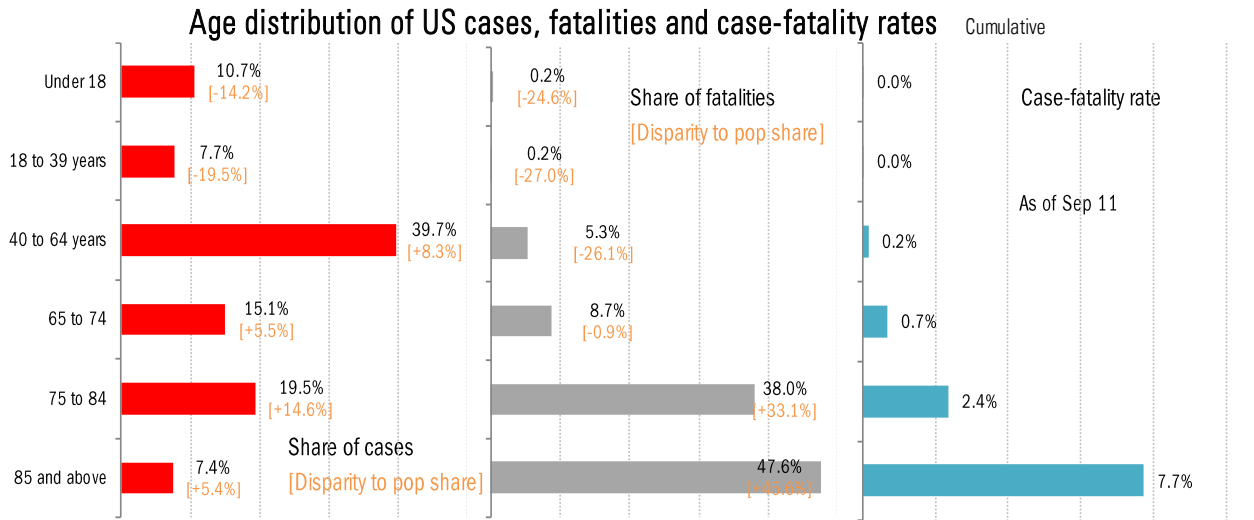


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

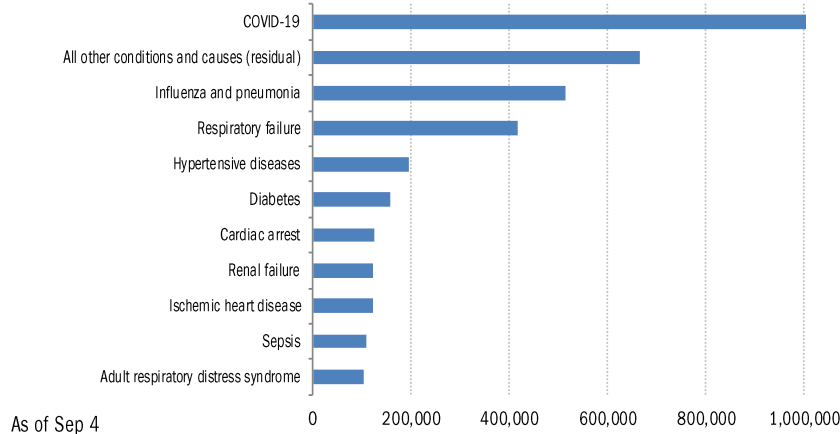


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



Comorbidities

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

[Reading Aloud Can Remedy Covid Learning Loss](#)

Meghan Cox Gurdon

Wall Street Journal

September 16, 2022

[Make the 2022 Election a Referendum on Lockdowns](#)

Jason Garshfield

American Conservative

September 13, 2022

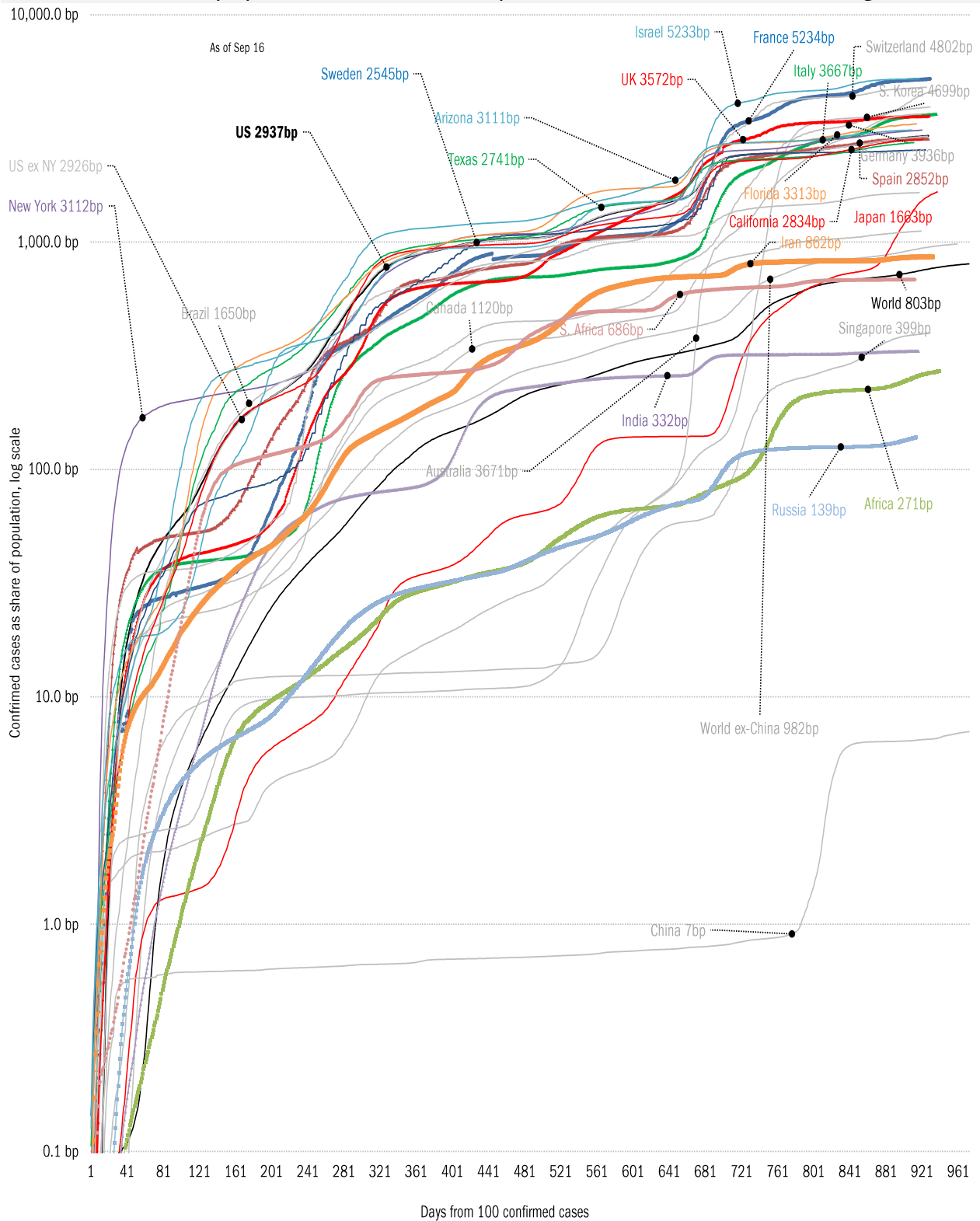
Meme of the day



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

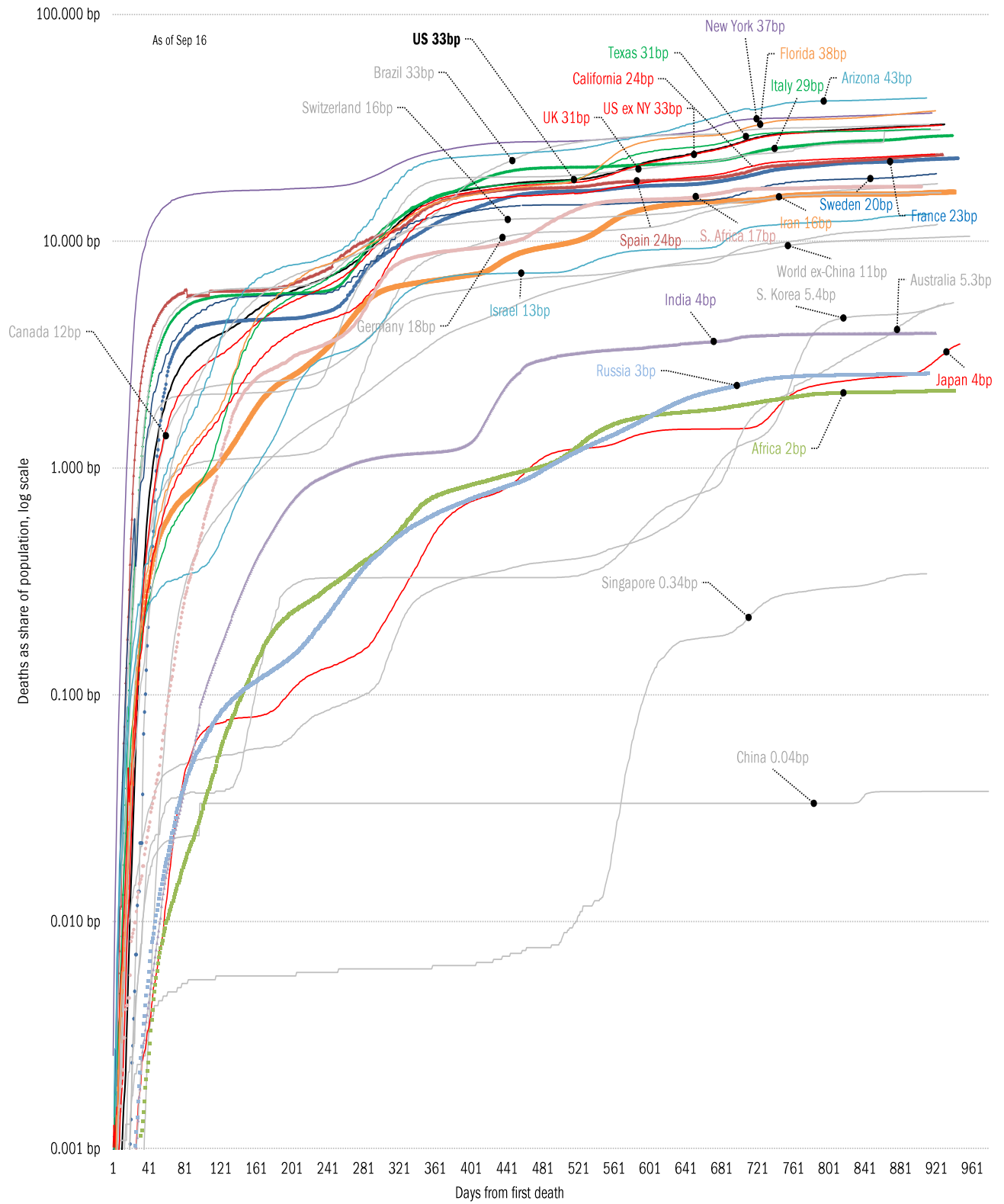
The global coronavirus case accelerometer... tracking the world's infection curves

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

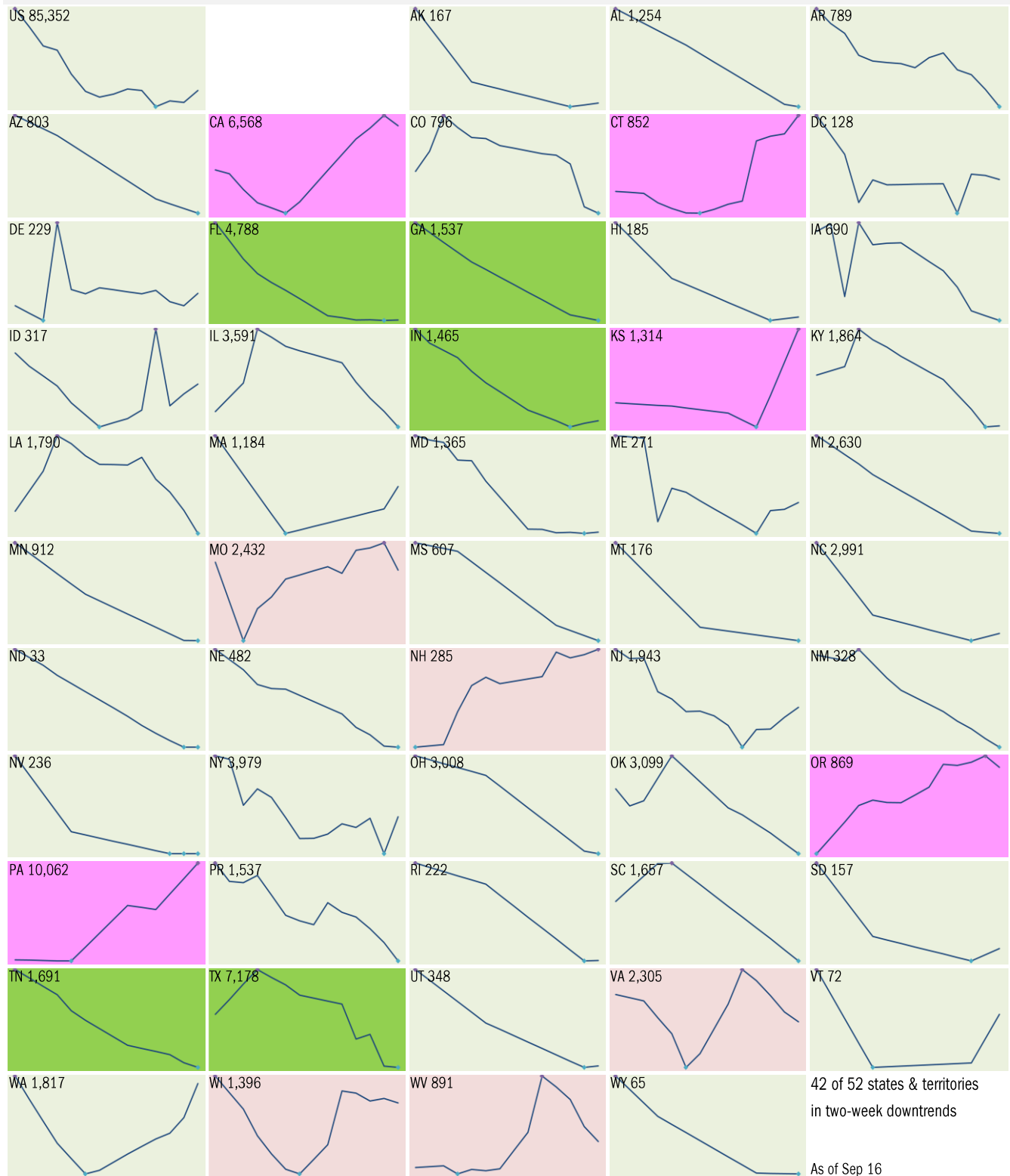


Source: [Johns Hopkins](#), TrendMacro calculations

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

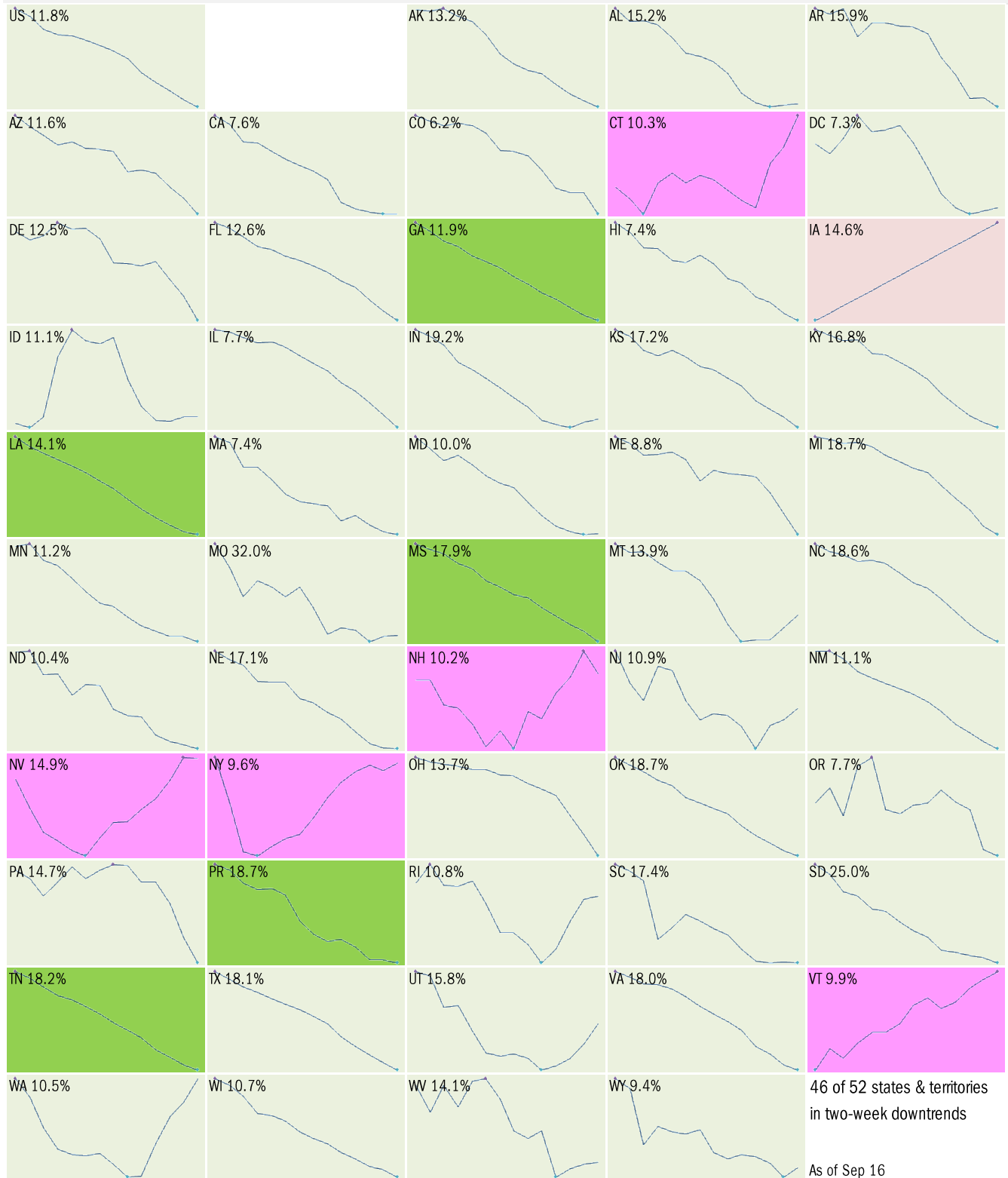


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

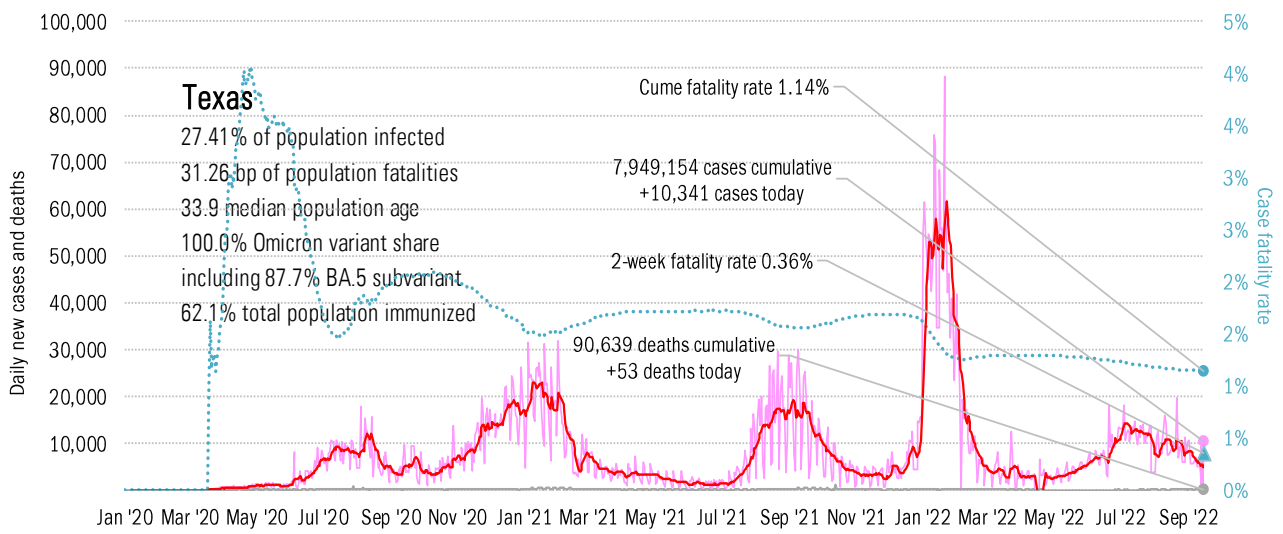
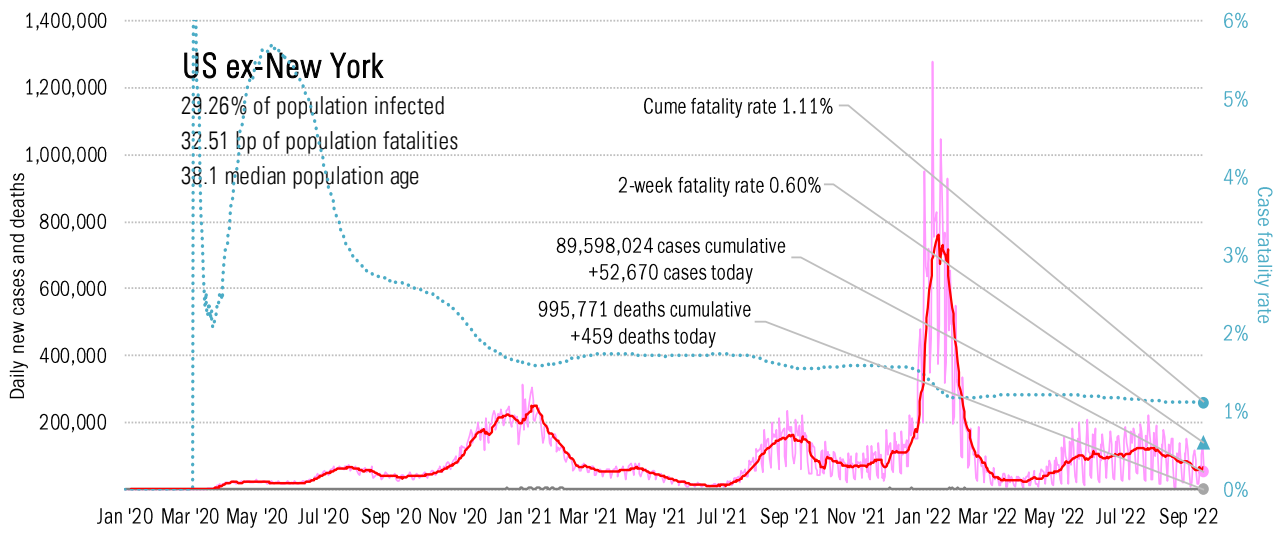
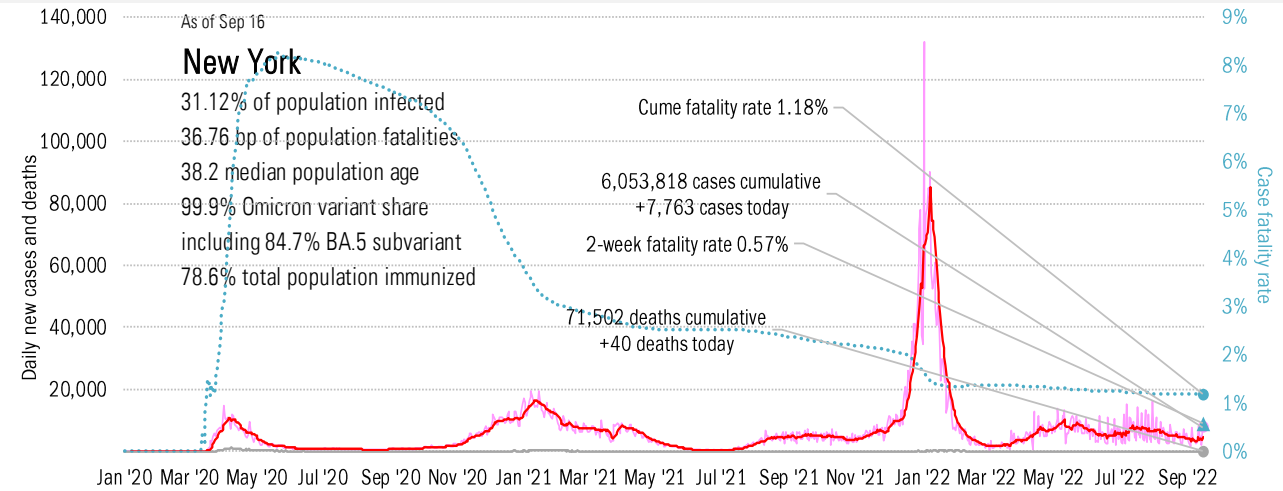
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

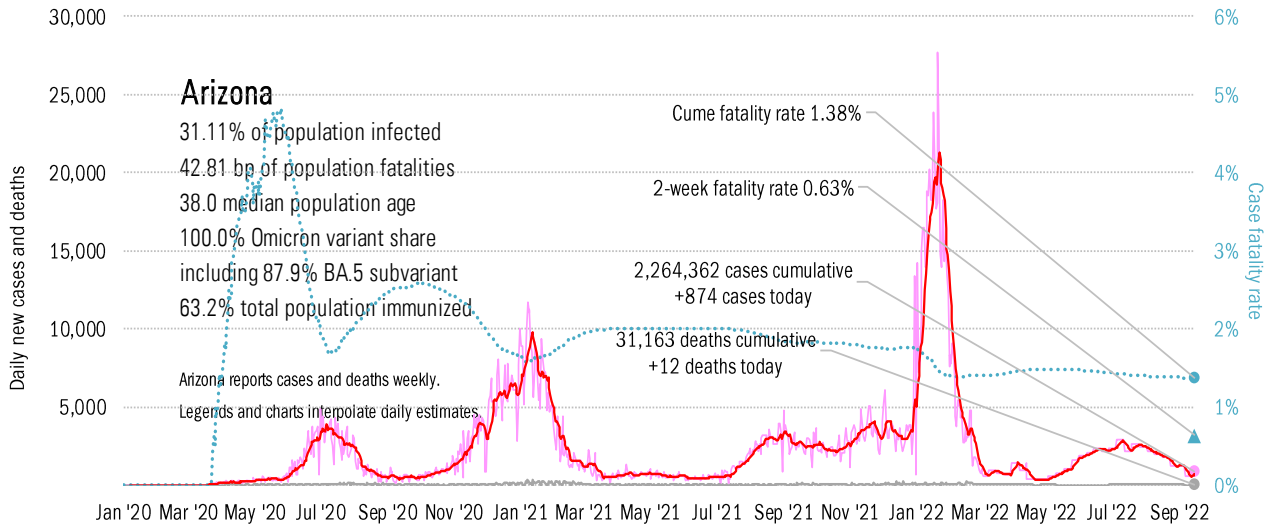
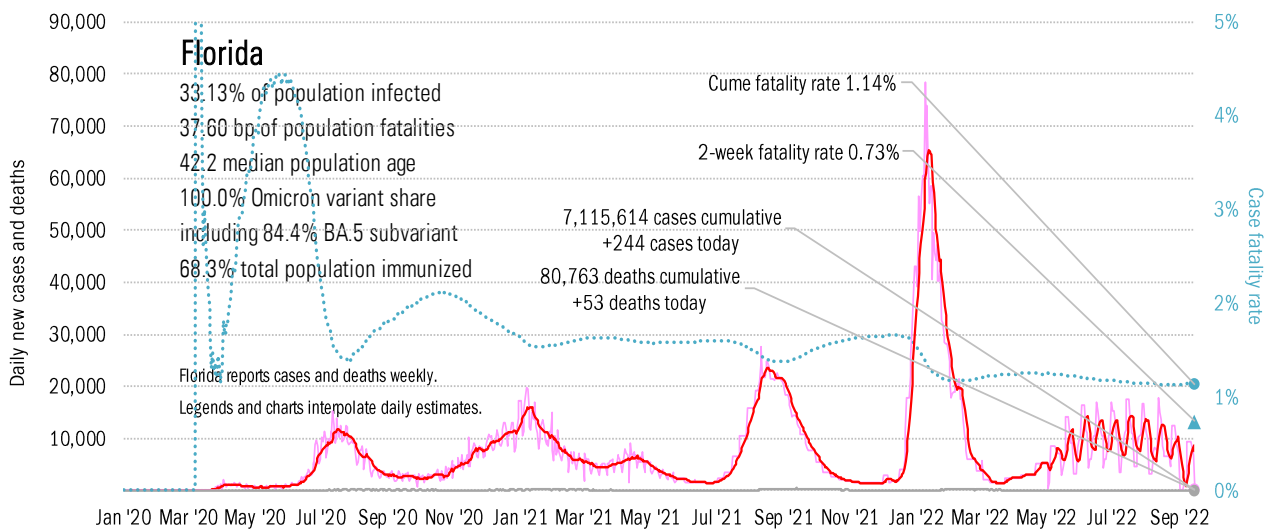
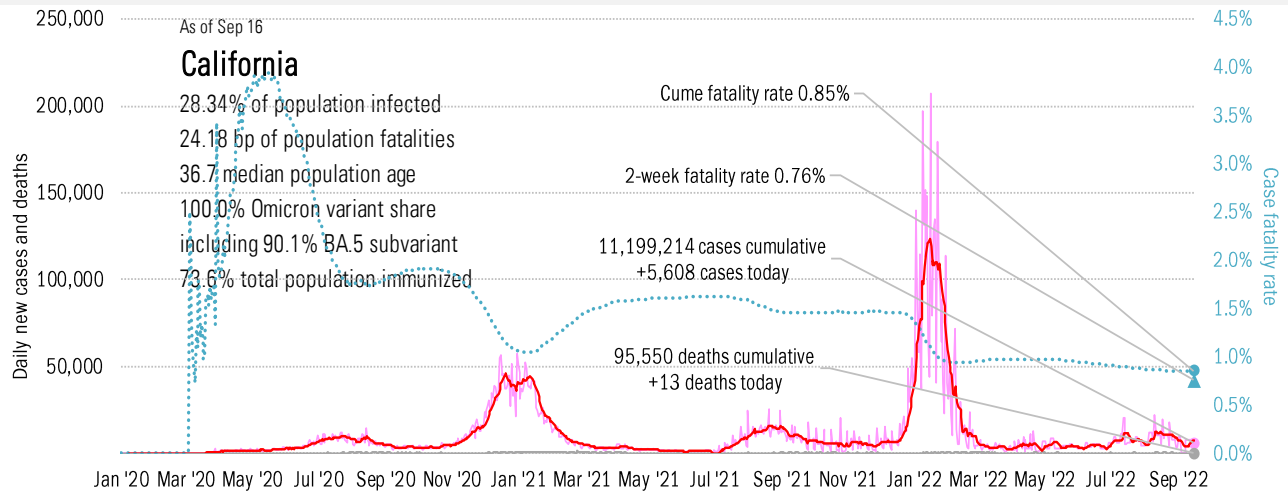
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

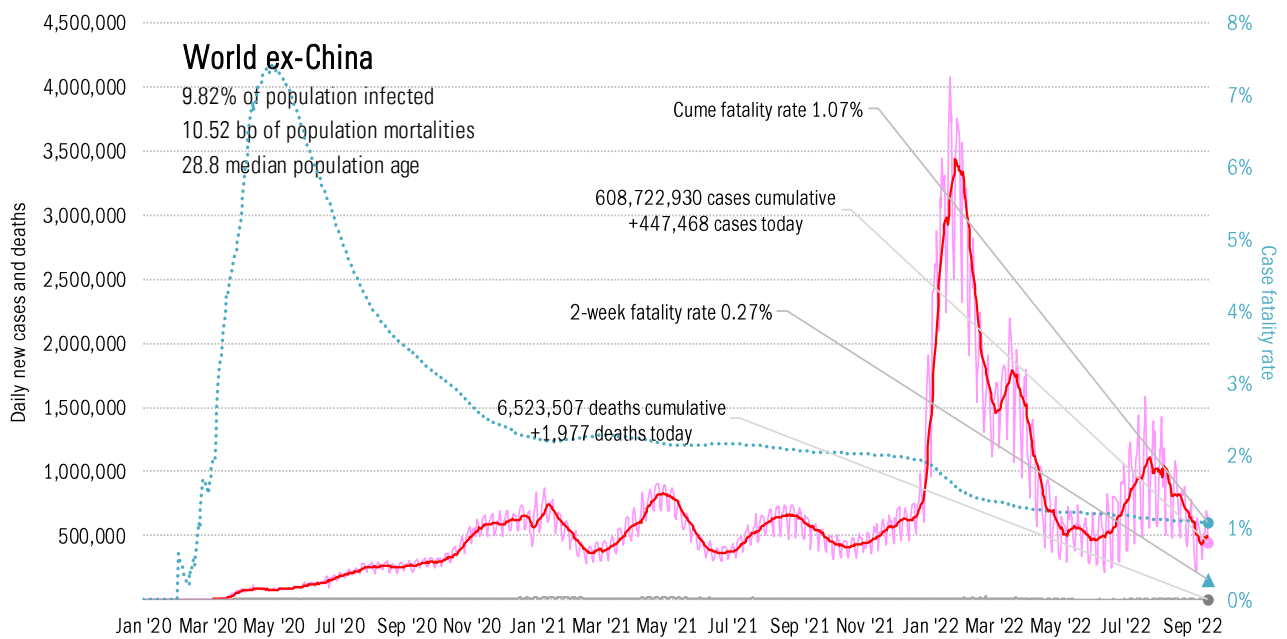
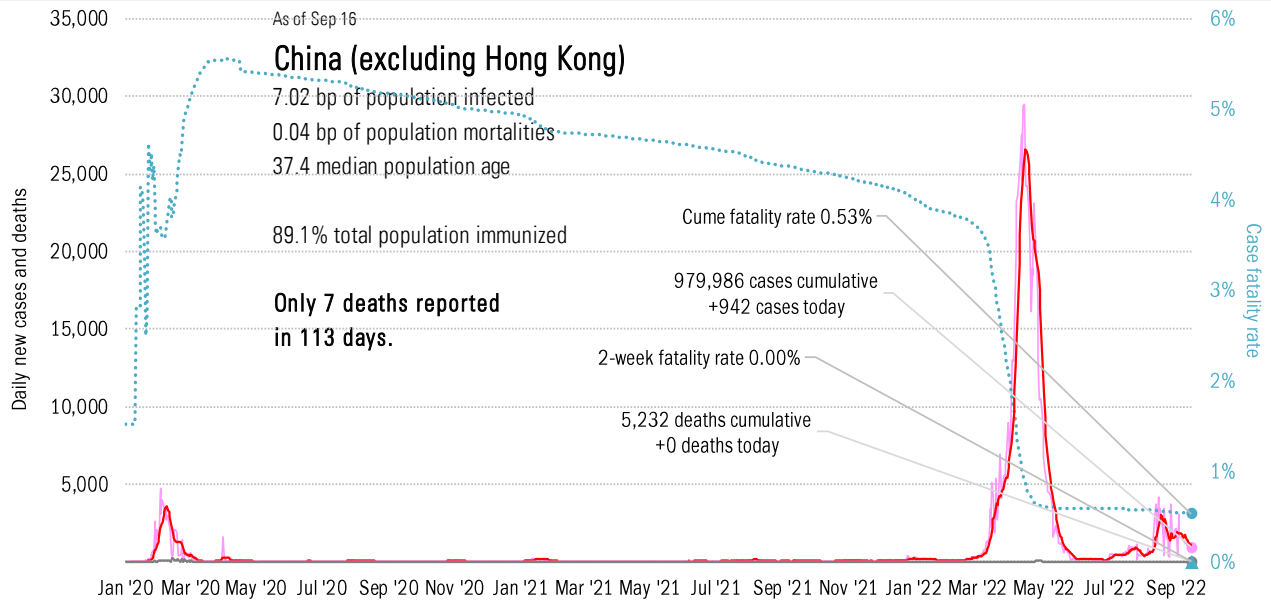
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

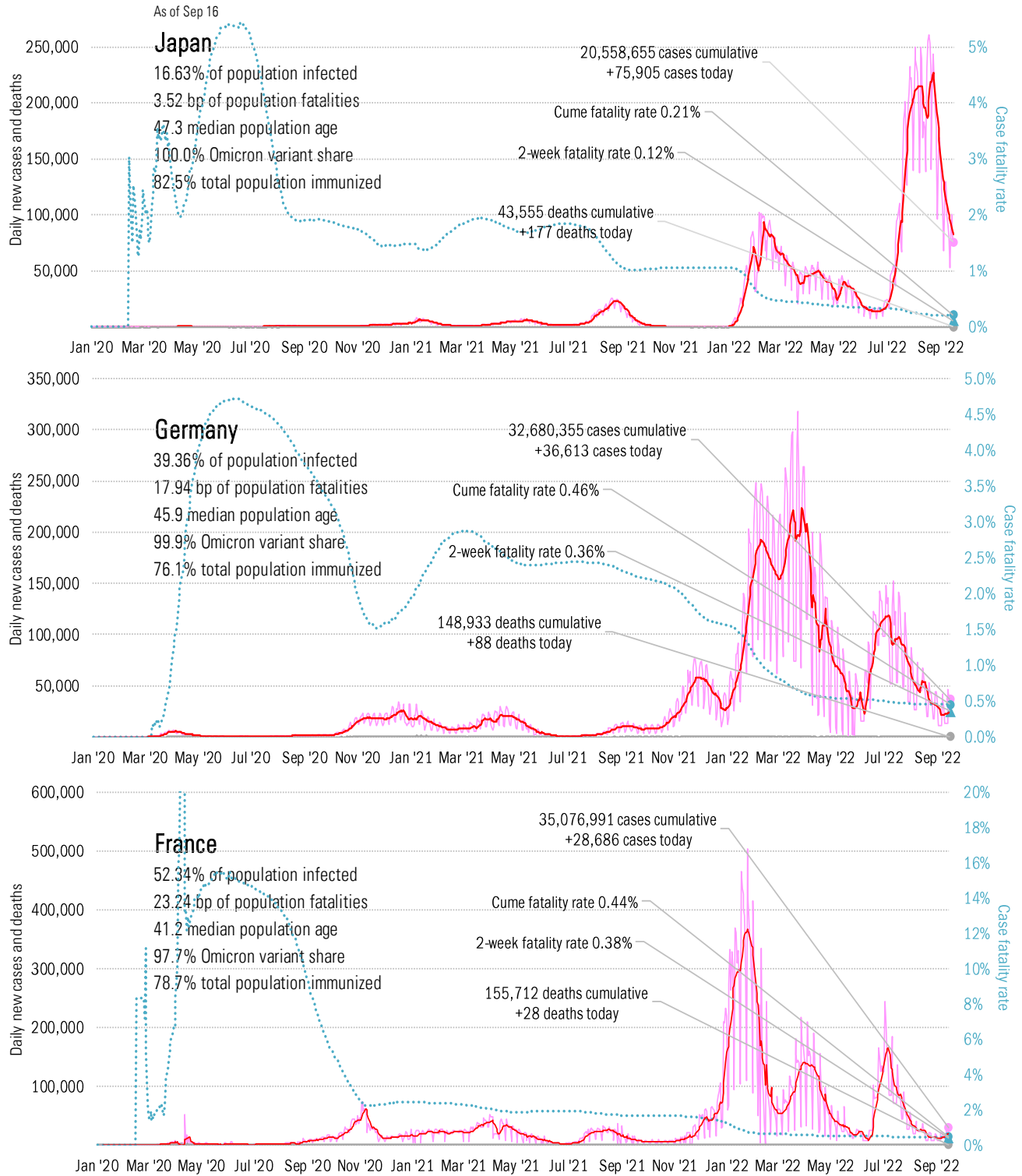
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

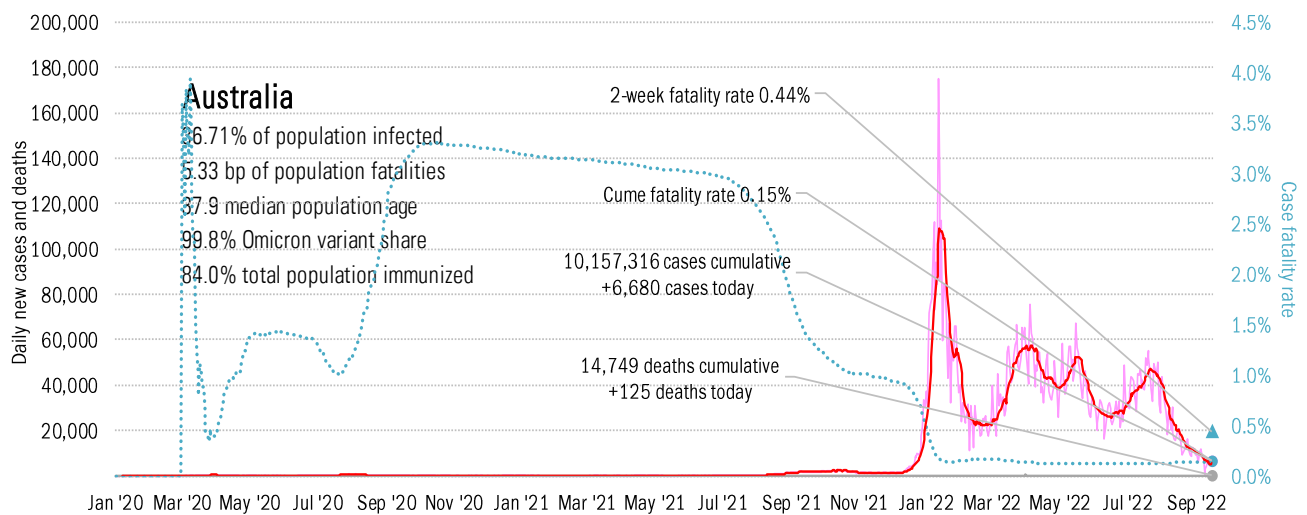
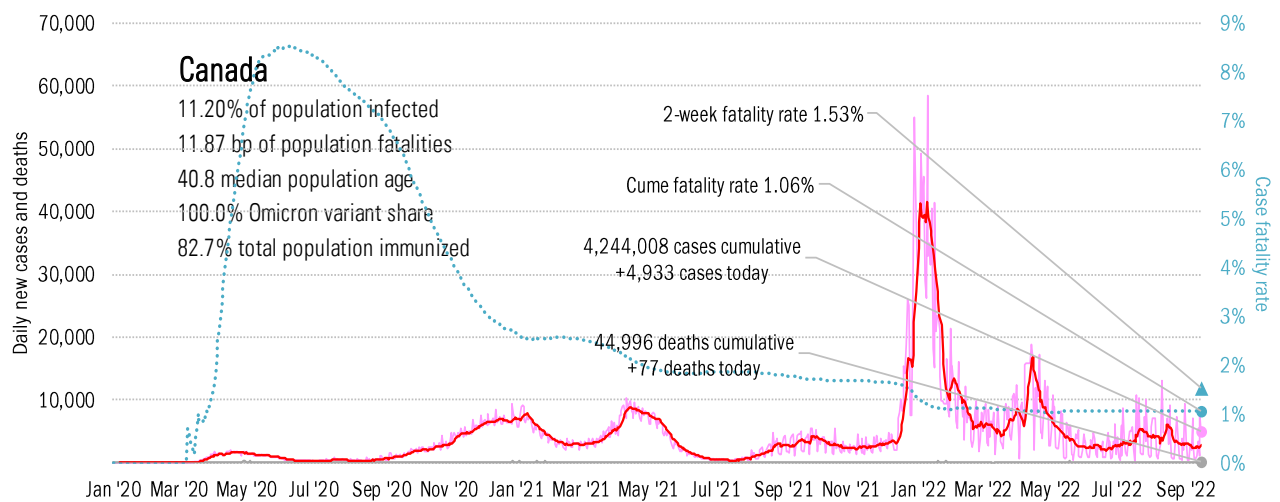
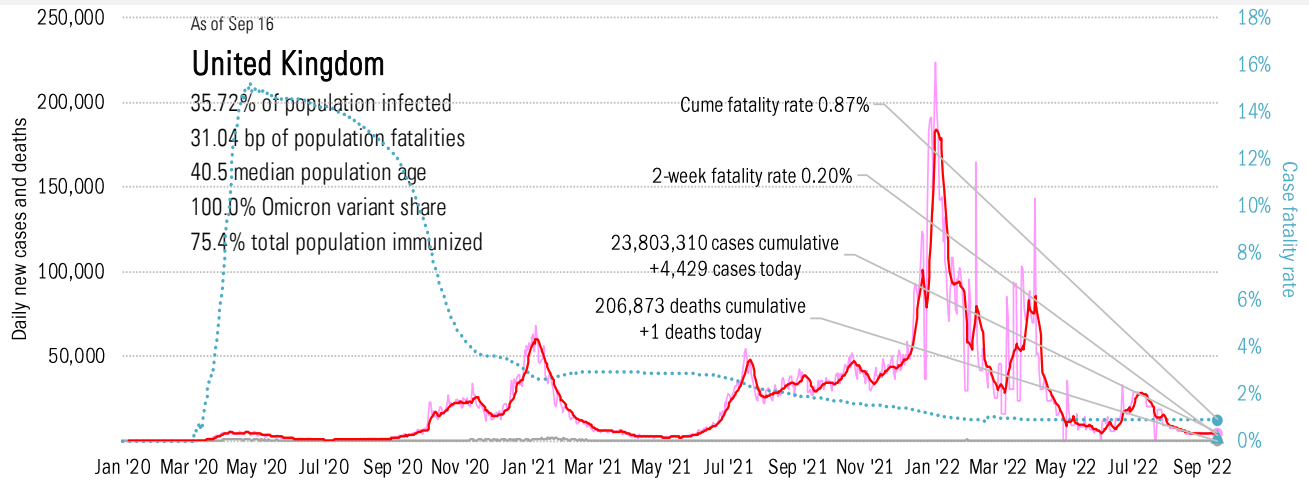
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

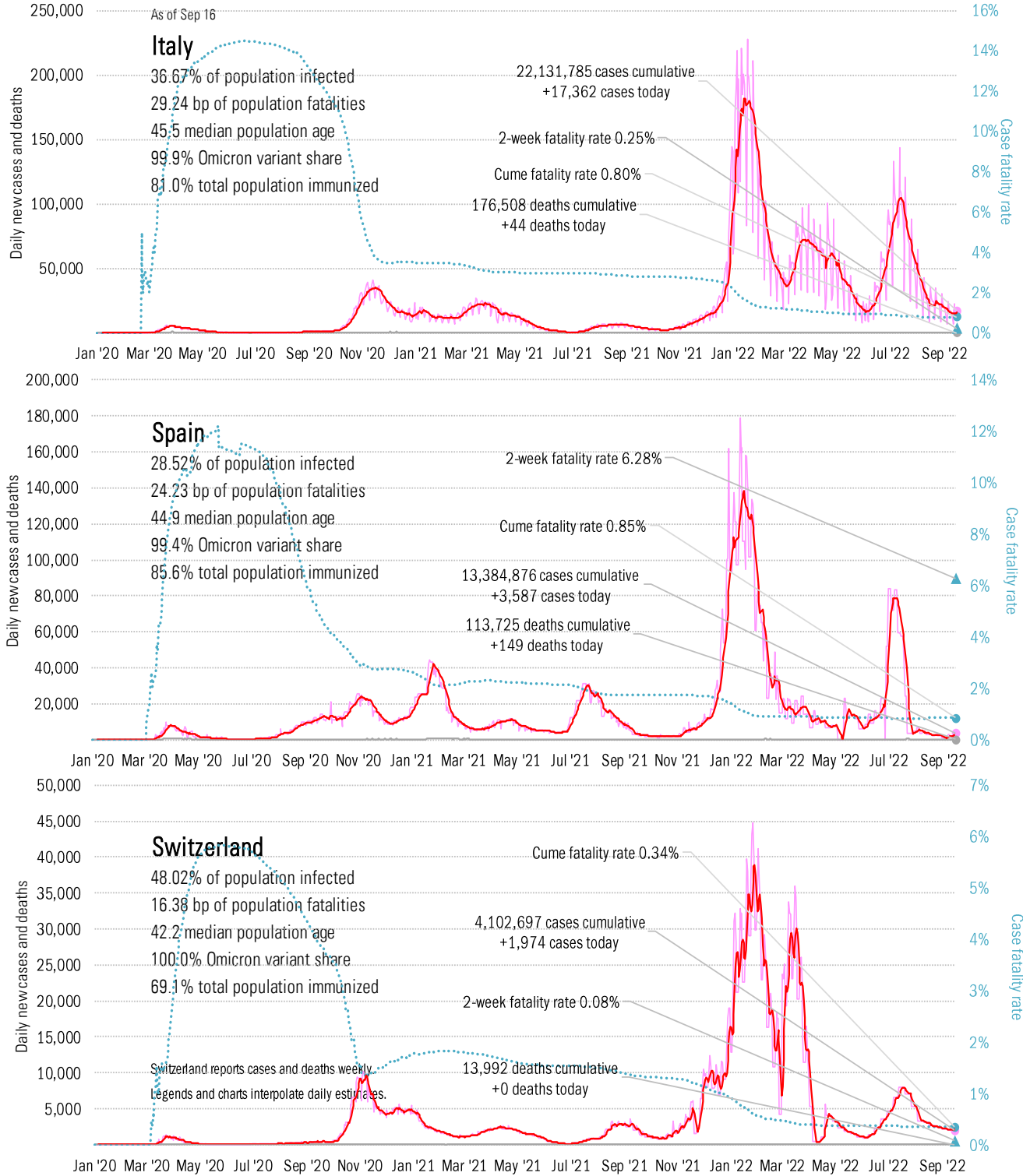
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

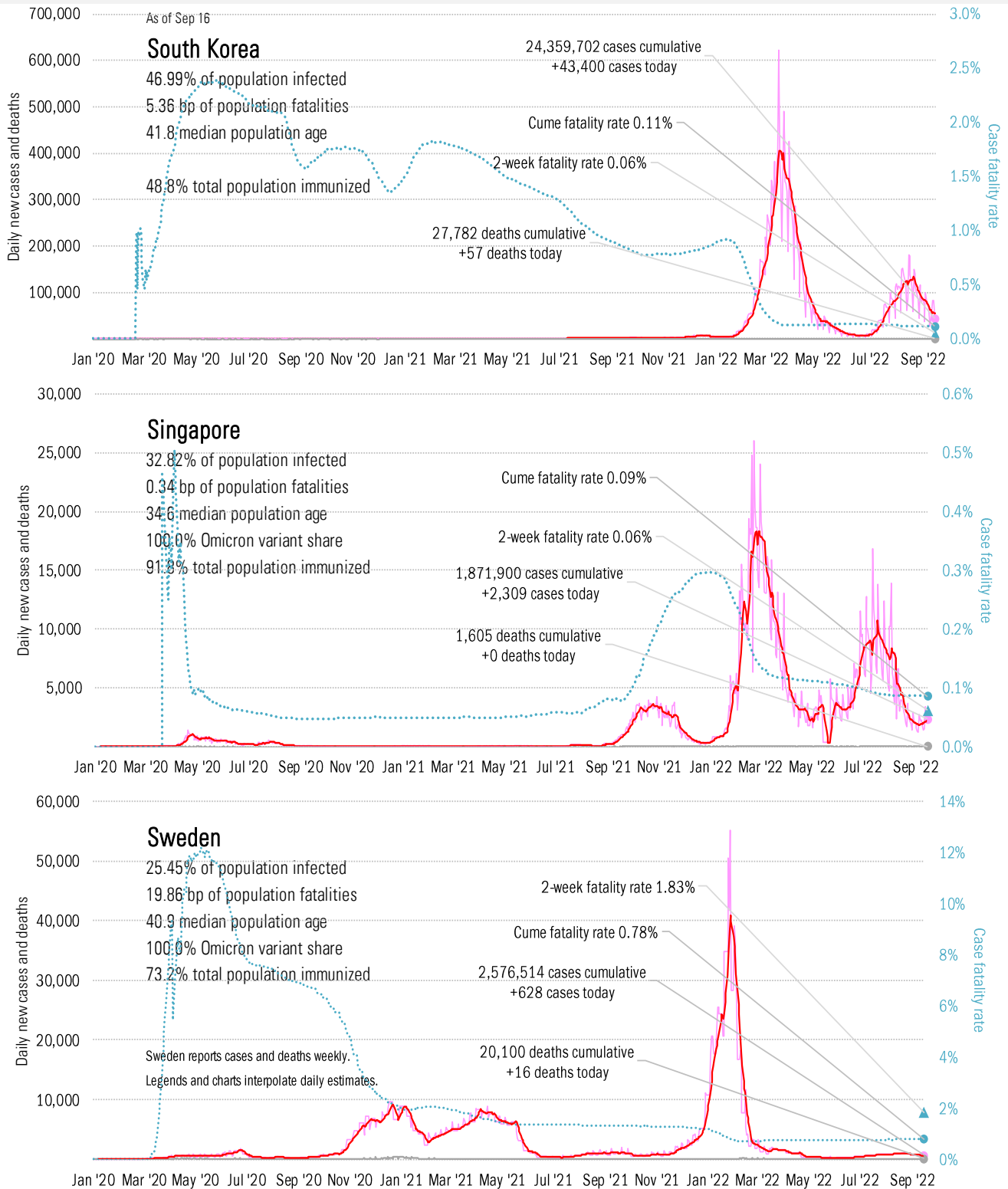
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

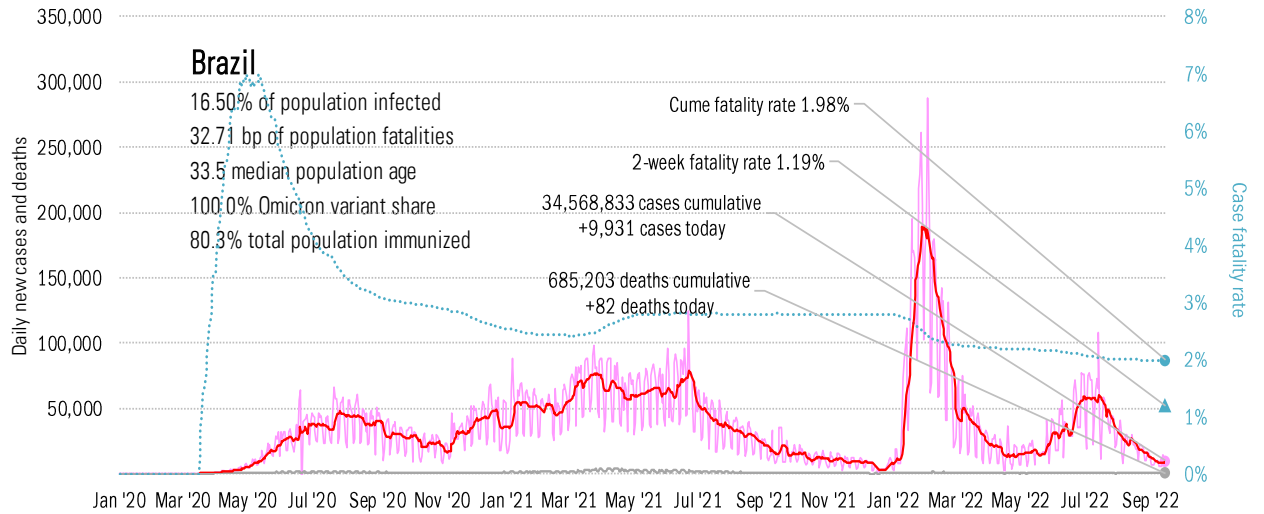
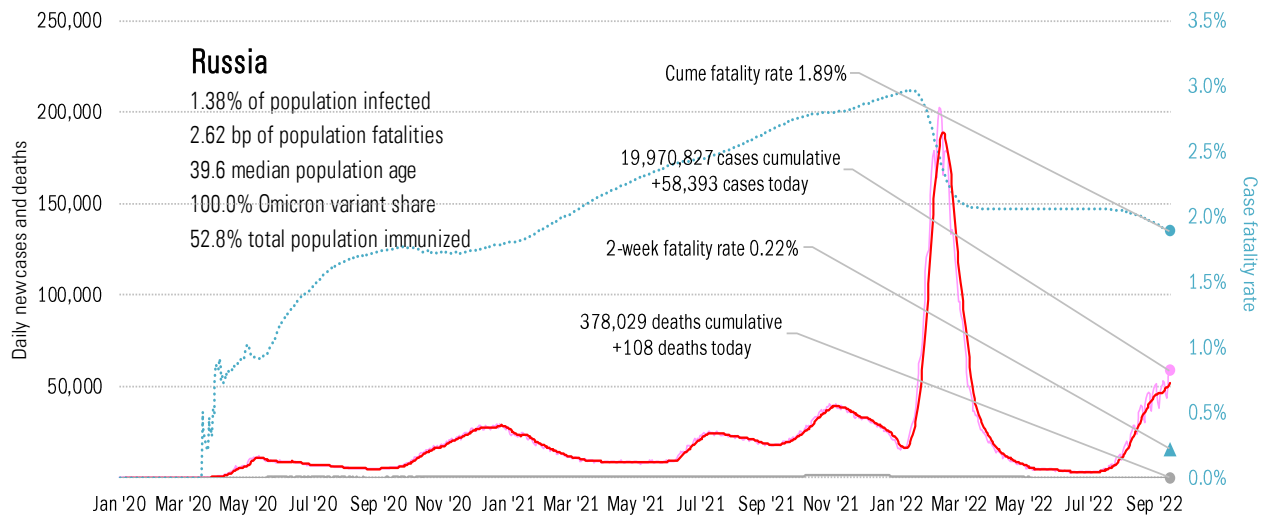
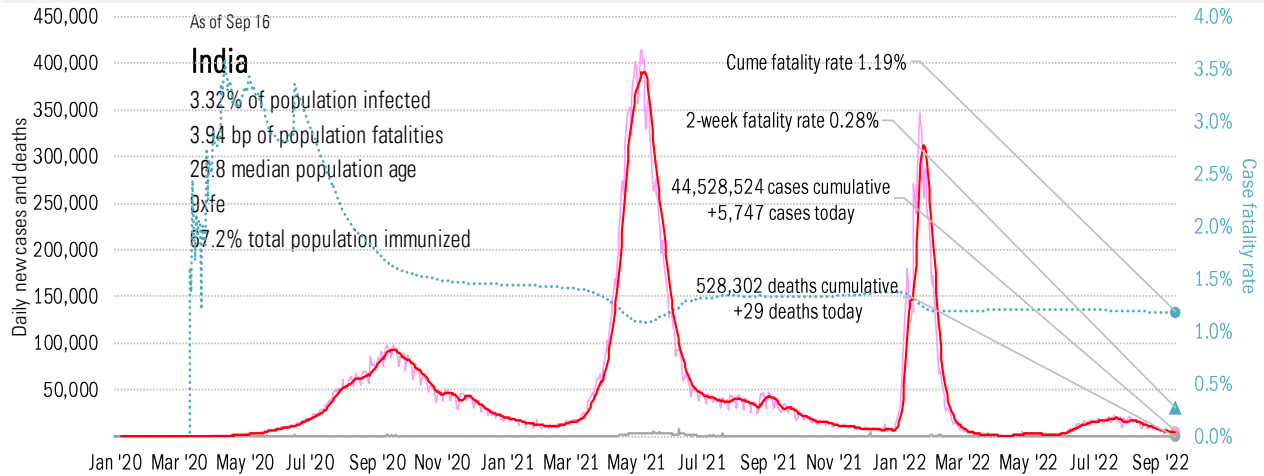
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

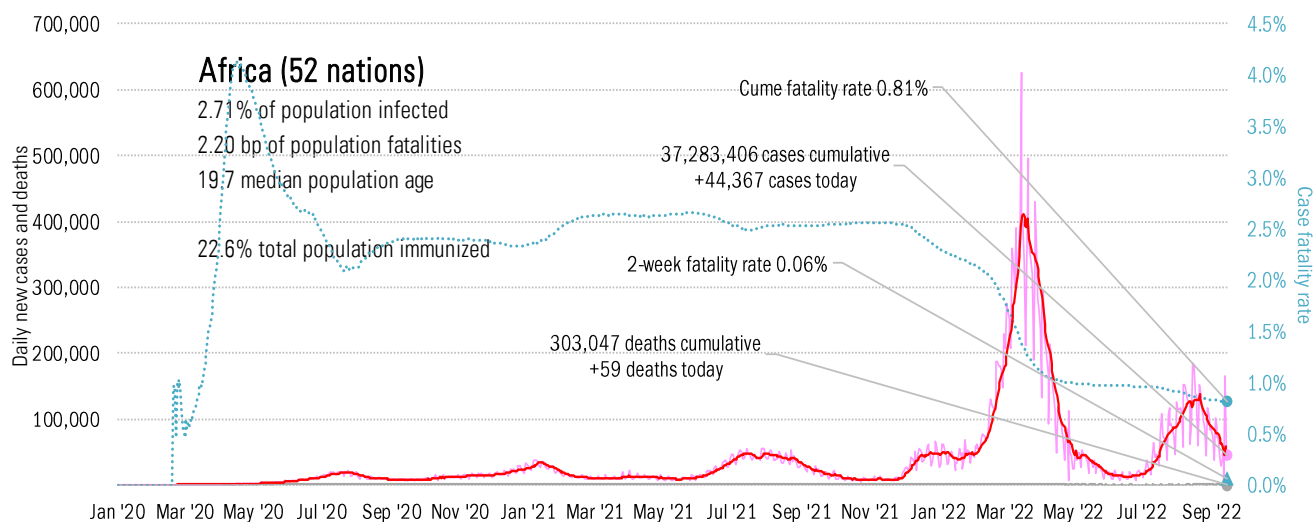
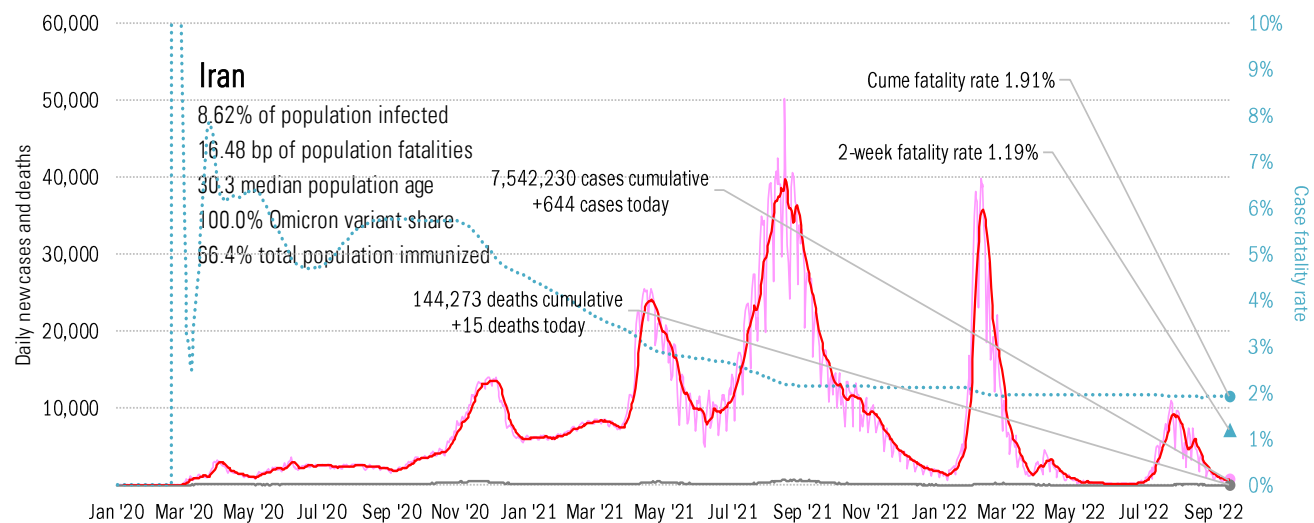
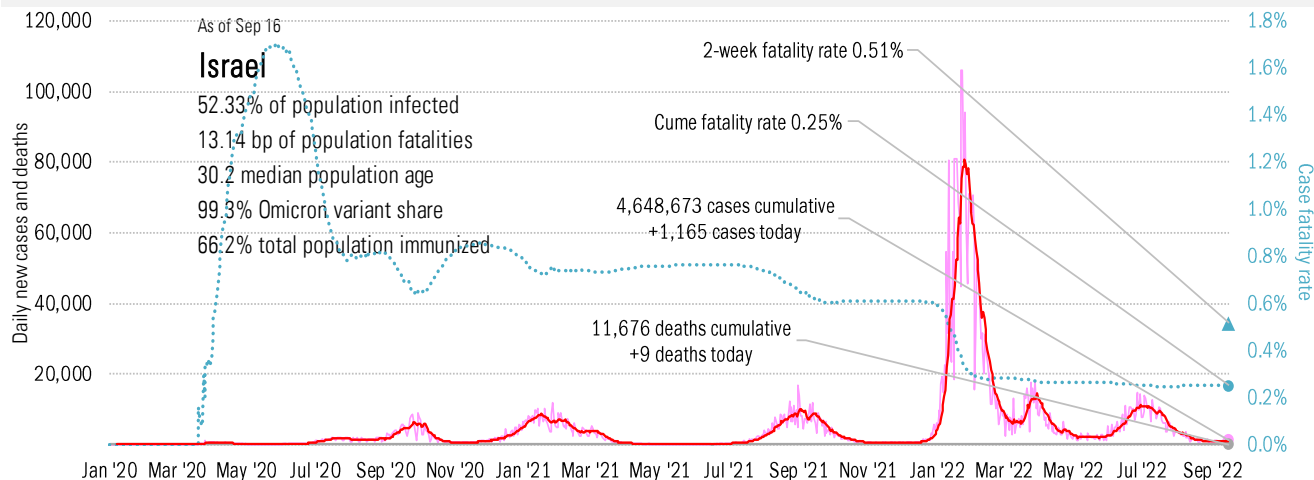
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

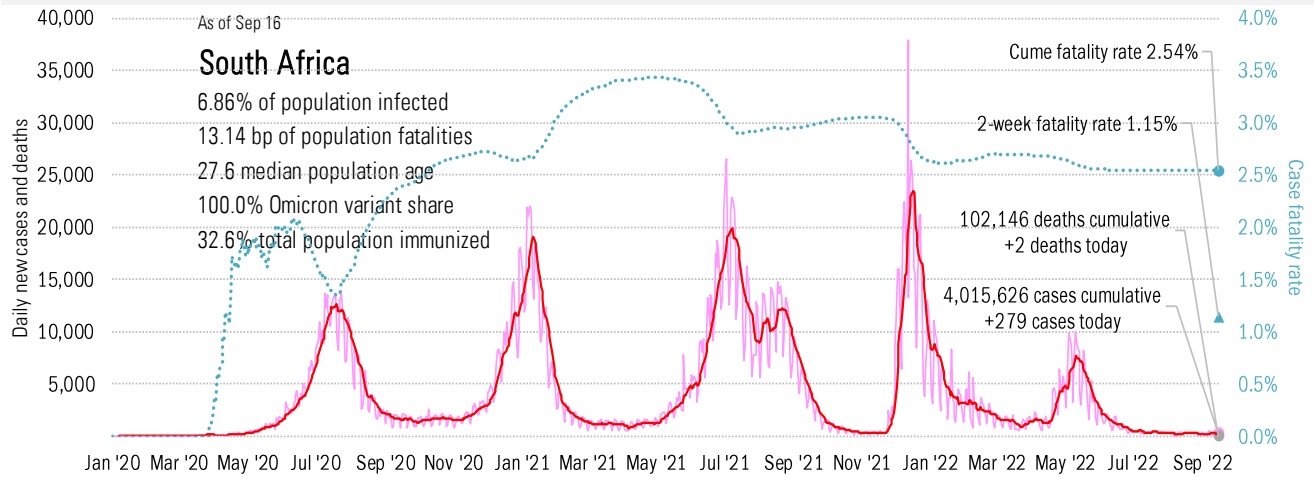
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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