

Data Insights: Covid-2019 Monitor

Monday, September 19, 2022

The global scorecard

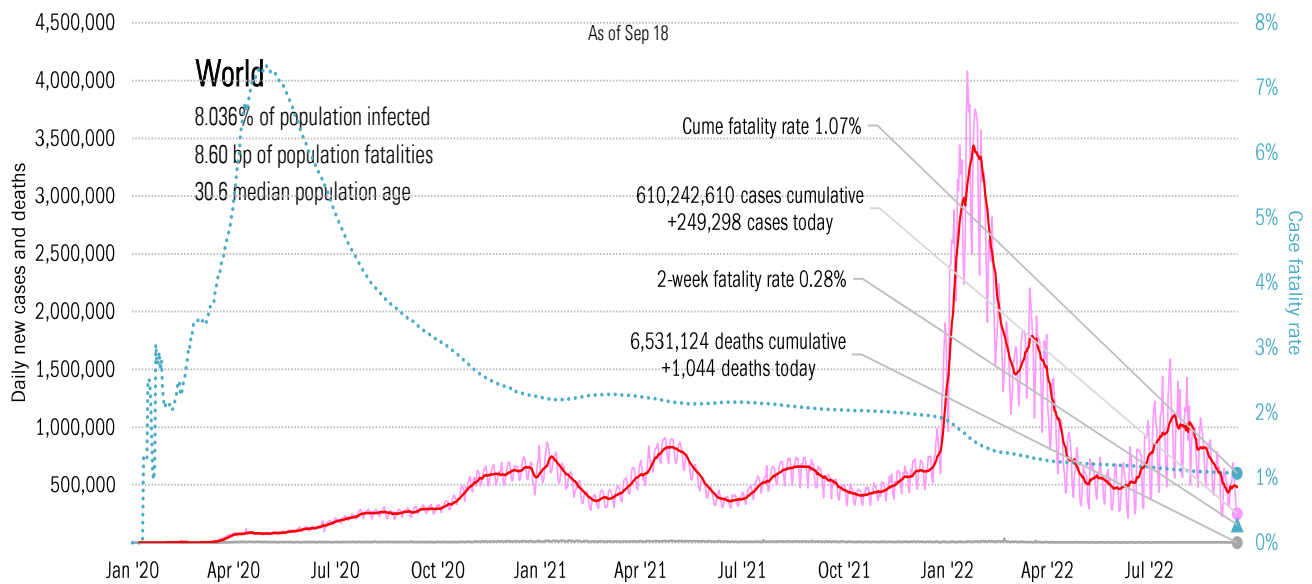
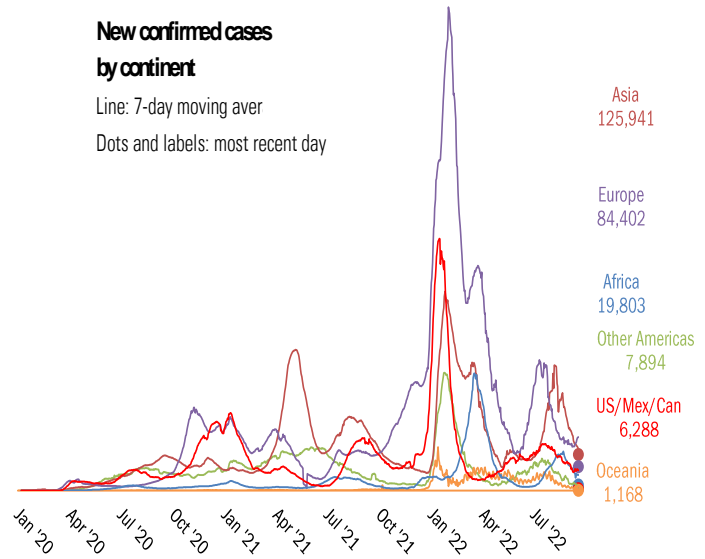
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	92,382	United States	561
Japan	64,009	Russia	100
Russia	56,148	Japan	72
Taiwan*	39,511	Korea, South	39
Korea, South	19,407	Taiwan*	39
Italy	12,081	Philippines	35
Austria	10,213	Italy	32
Argentina	6,175	Argentina	25
India	4,858	India	18
Jordan	2,776	Iran	14
<hr/>		<hr/>	
	307,560		935
World	249,298	World	1,044
Top ten	123%	Top ten	90%

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

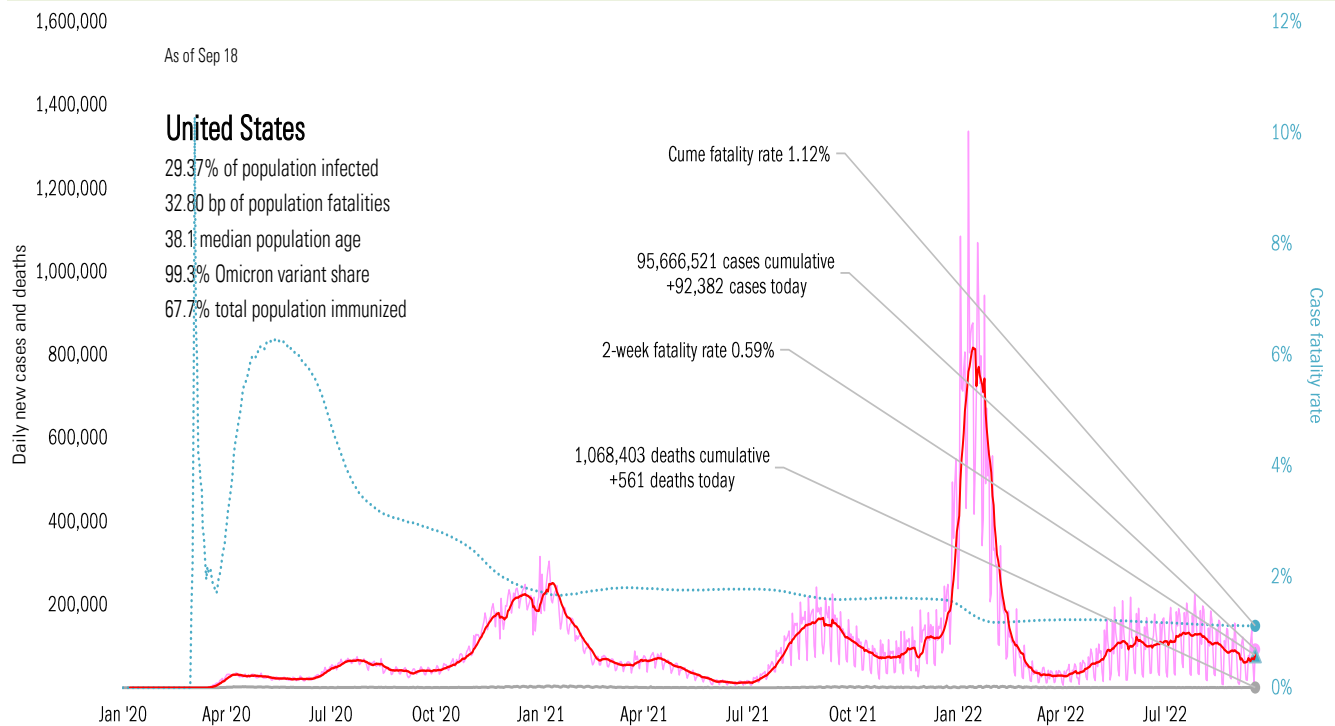
The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
PA	17,506		FL	53		NY	253		CA	11,199,214		CA	95,550		TX	542,637		RI	92%	MA	85%
TX	10,341		TX	53		GA	182		TX	7,949,154		TX	90,639		CA	496,080		MA	89%	AK	85%
MO	7,374		WA	51		MN	85		FL	7,116,103		FL	80,870		FL	490,209		MN	86%	TX	84%
CA	5,608		MO	40		TX	351		NY	6,060,011		NY	71,502		NY	295,977		MO	85%	ND	84%
WA	4,776		NY	40		MA	118		IL	3,733,902		PA	46,970		GA	224,735		WA	84%	RI	83%
KS	4,247		MI	28		MO	101		PA	3,220,994		GA	40,025		CH	216,251		GA	84%	AL	83%
NC	3,027		IN	24		AR	56		NC	3,162,491		CH	39,675		PA	201,660		MD	83%	NC	82%
CH	2,936		GA	21		WA	76		CH	3,117,109		IL	39,536		IL	184,924		DE	82%	WA	82%
MI	2,625		PA	20		PA	187		GA	2,893,001		MI	38,317		MI	160,877		WV	81%	GA	81%
NY	2,501		VA	17		WI	83		MI	2,804,588		NJ	34,672		KY	143,849		AK	81%	WV	80%
60,941			348			1,492			51,256,567			577,756			2,957,199						
All states	92,382		561			4,150			All states	95,666,521		1,068,403			5,364,479			All states	70%	67%	
Top ten	66%		62%			36%			Top ten	54%		55%			55%			Median	76%	74%	

Some states not reporting

Five most improved US states

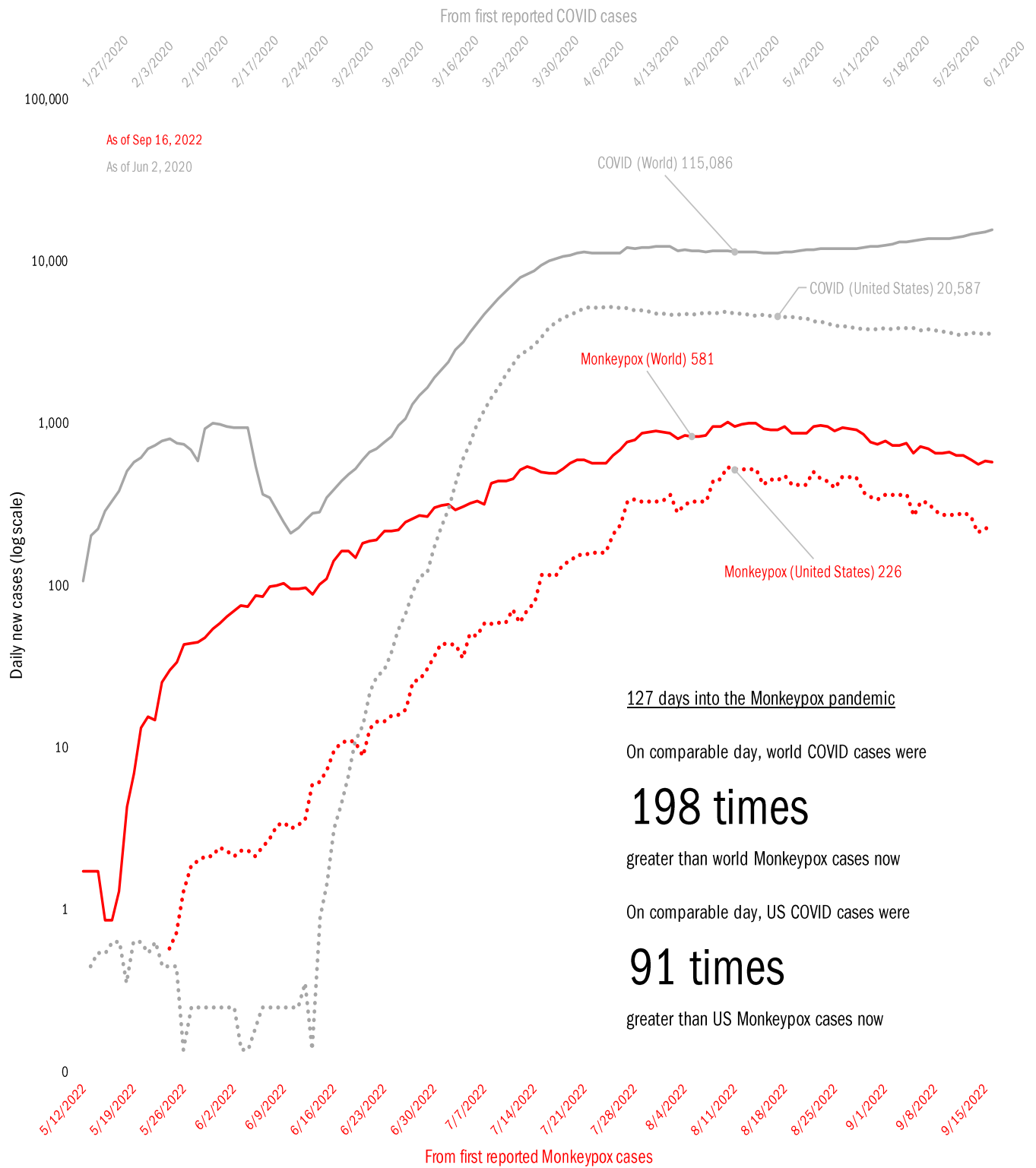
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-1,191	CT	-1	LA	-35
NJ	-620	NJ	-1	CO	-22
AR	-474	AK	0	CH	-18
CT	-421	AL	0	FR	-12
AK	0	AR	0	CT	-9



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

The Monkeypox contextualizer

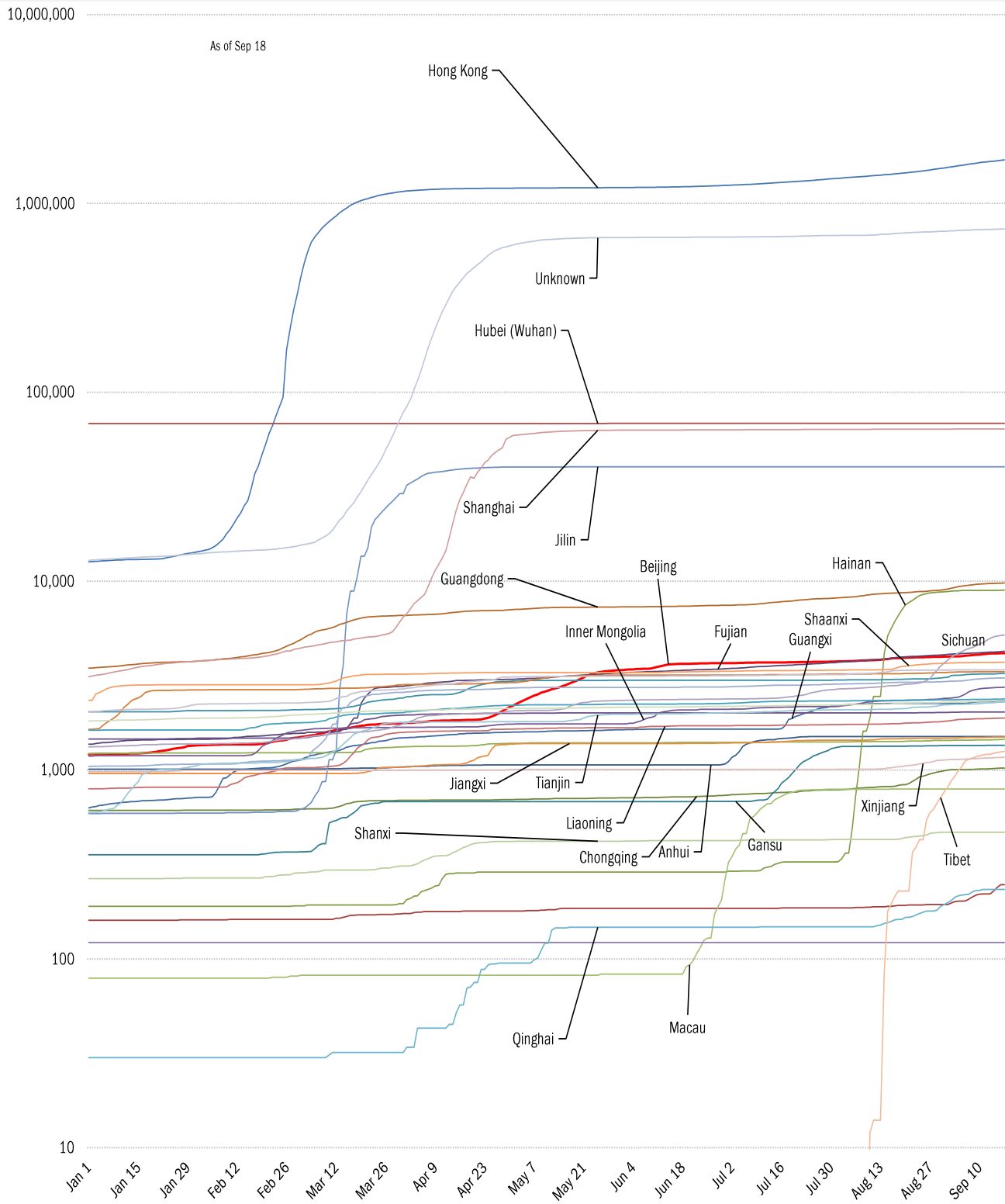
The course of case growth versus COVID



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"

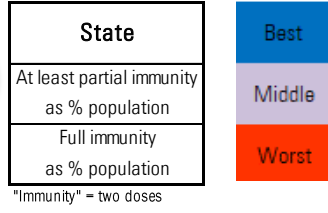
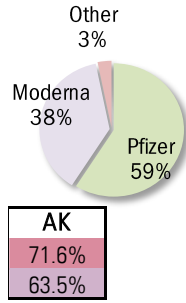


Source: [Johns Hopkins](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Updates weekly on Friday

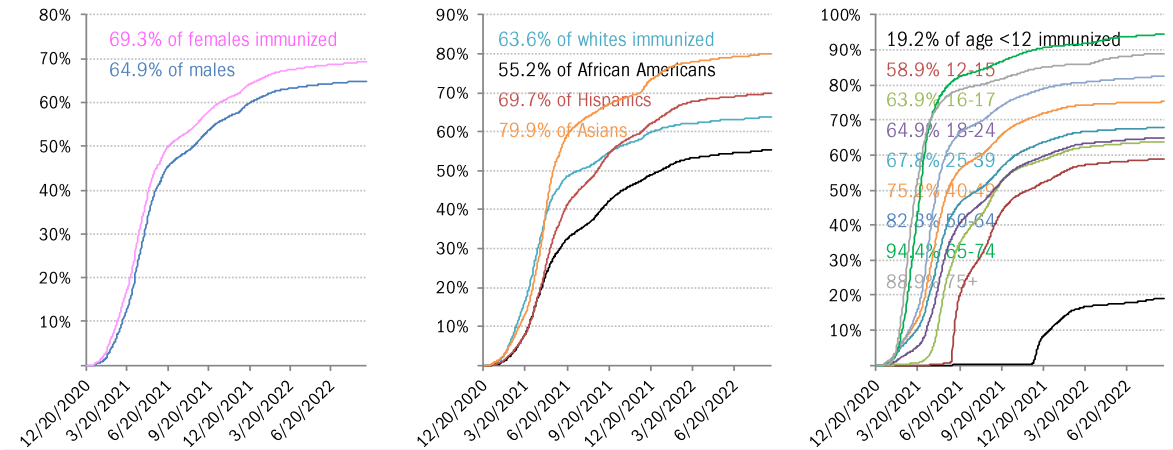
Administered	Cumulative		Today	Immunity	Full	Partial
Doses	628,212,647		+0.301 million	US	67.7%	79.3%
of which boosters	111,339,704		+0.036 million	UK	75.4%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	271,603,286	81%	231,176,587	69%	+0.039 million	France 78.7% 80.9%
Age 12 to 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

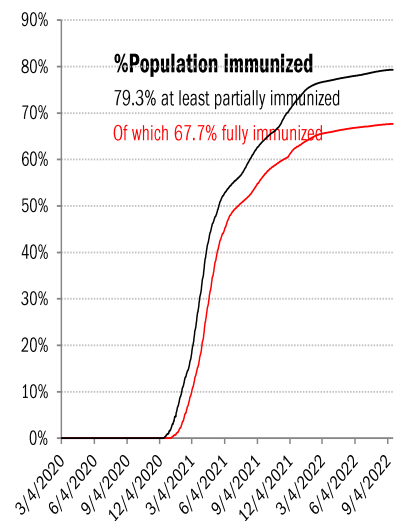
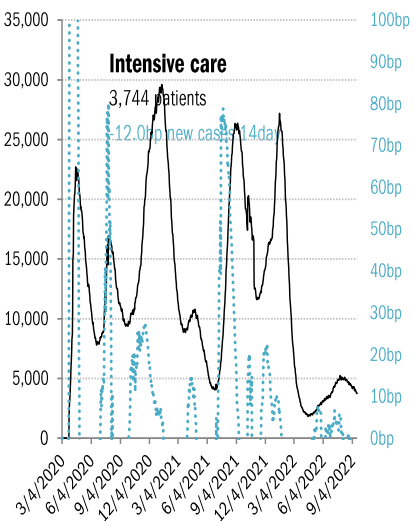
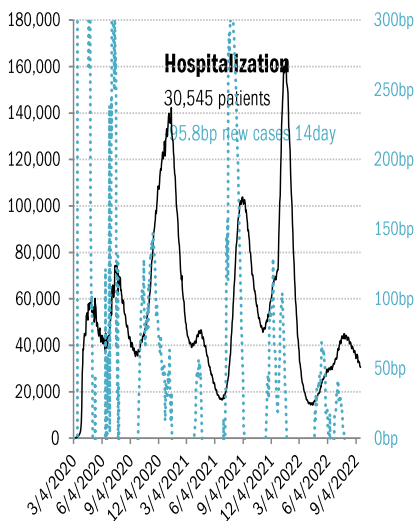
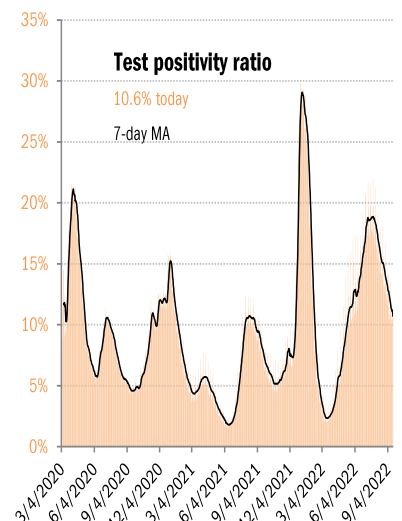
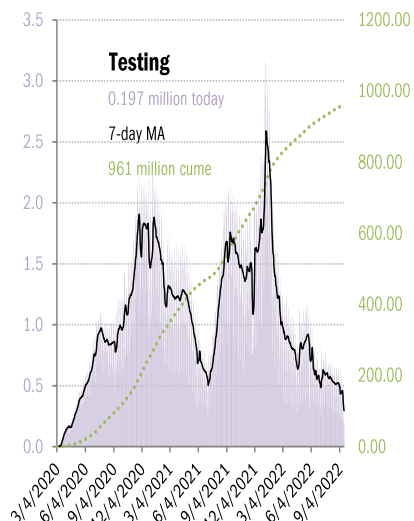
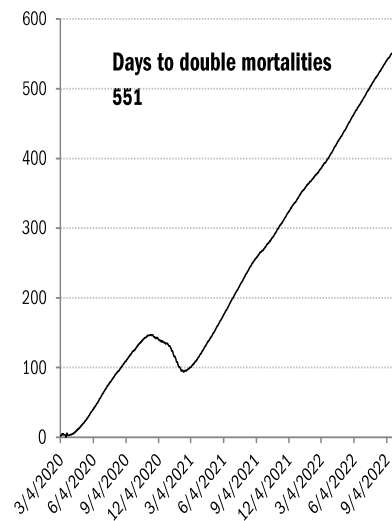
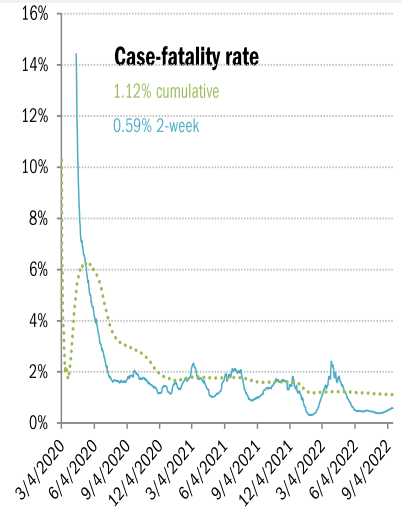
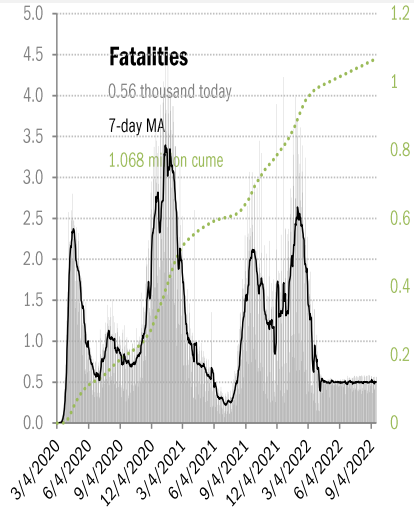
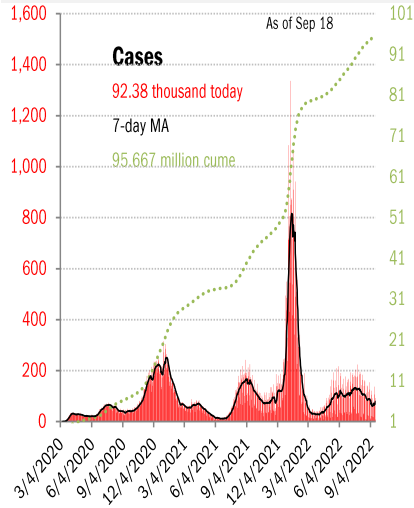
State	Best	Middle	Worst
AK	71.6%	63.5%	
HI	89.6%	79.8%	
WI	73.4%	66.7%	
ME	93.4%	81.4%	
NY	92.2%	78.6%	
VT	95.0%	83.0%	
NH	91.0%	72.6%	
OR	79.5%	70.8%	
NV	77.1%	62.1%	
WY	59.3%	51.9%	
SD	79.5%	63.9%	
IA	69.3%	63.0%	
IN	63.2%	56.9%	
OH	64.5%	59.4%	
PA	87.7%	70.7%	
NJ	92.5%	77.2%	
MA	95.0%	81.0%	
CA	84.2%	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%	
TX	74.7%	62.1%	
FL	81.0%	68.3%	
PR	95.0%	84.8%	

The demographics of US vaccination

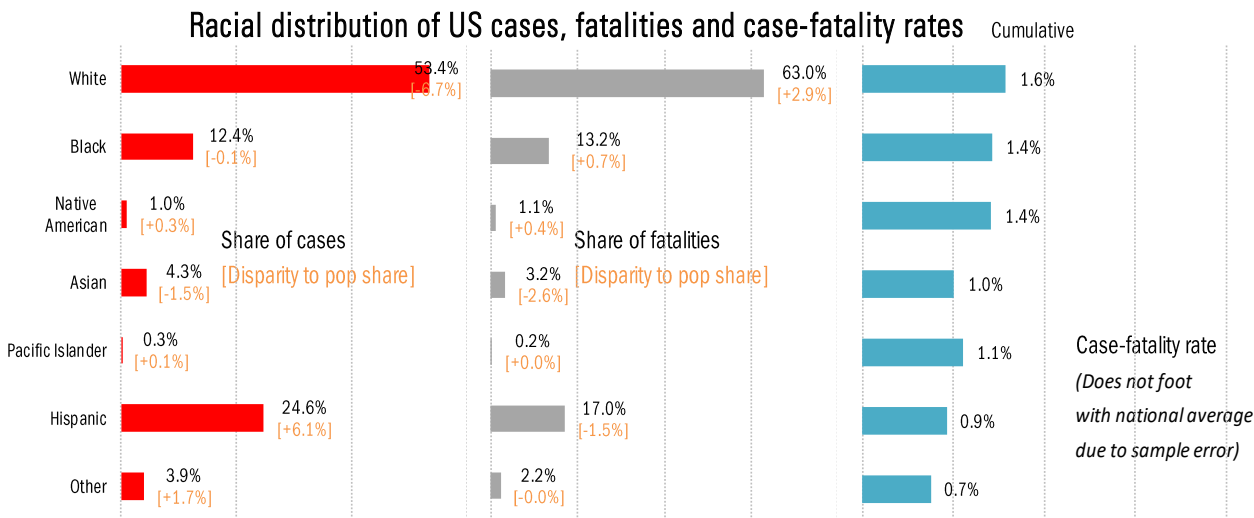
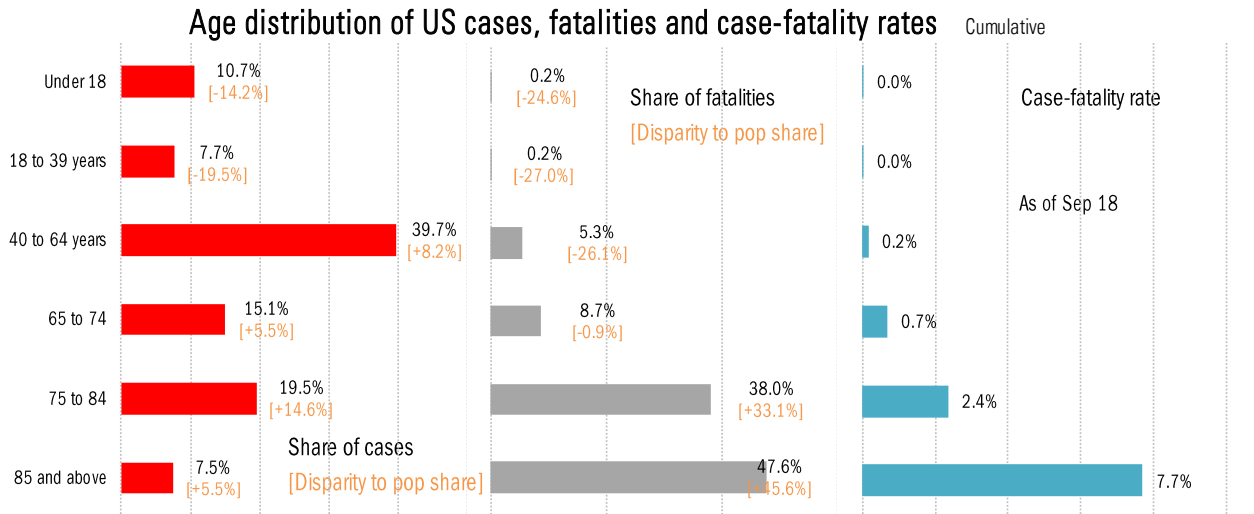


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

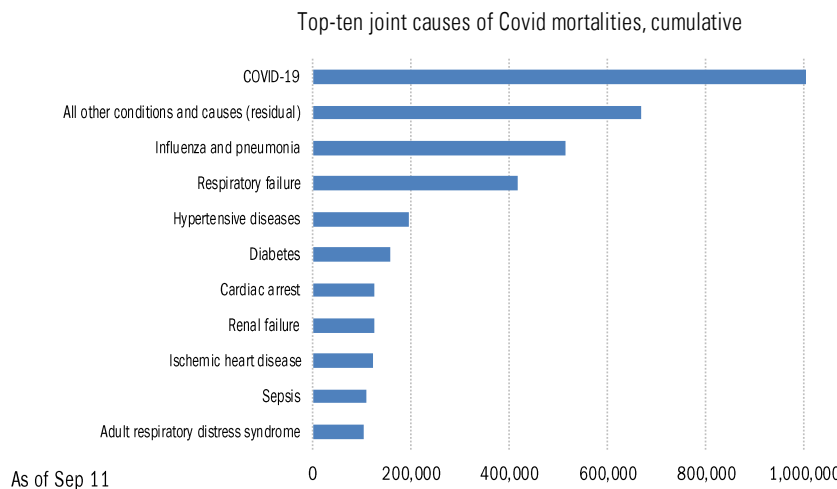
US deep-dive



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



Comorbidities



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

[Joe Biden says the COVID-19 pandemic is over. This is what the data tells us](#)

Ayana Archie

NPR

September 19, 2022

[Rand Paul Threatens Fauci in Heated Senate Clash: 'When We Get In Charge, We're Going to Change the Rules'](#)

Zachary Leeman

Mediaite

September 14, 2022

[Turtles all the way down: Vaccine Science and Myth](#)

Steve Kirsch

Steve Kirsch's Newsletter

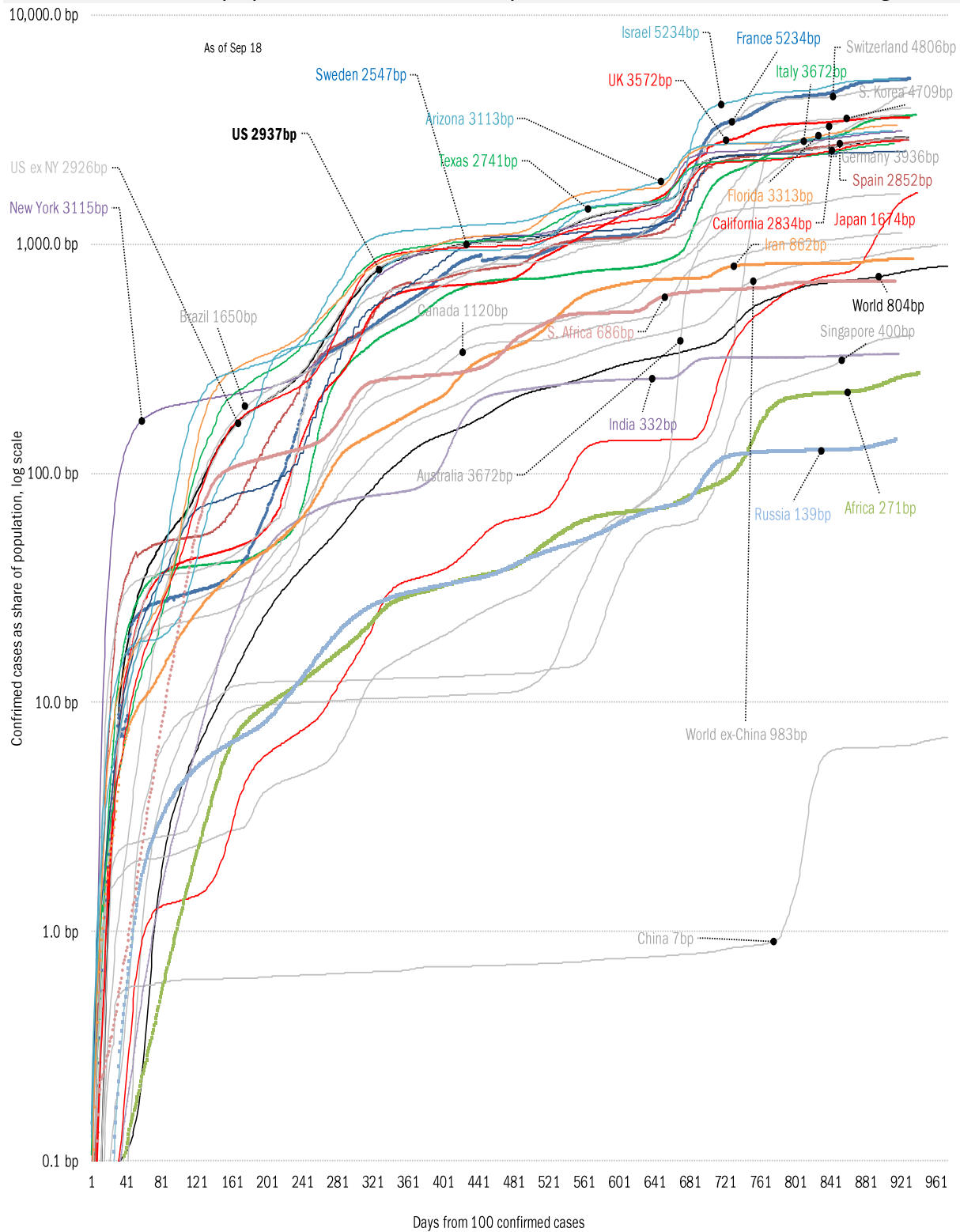
September 18, 2022

Meme of the day



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

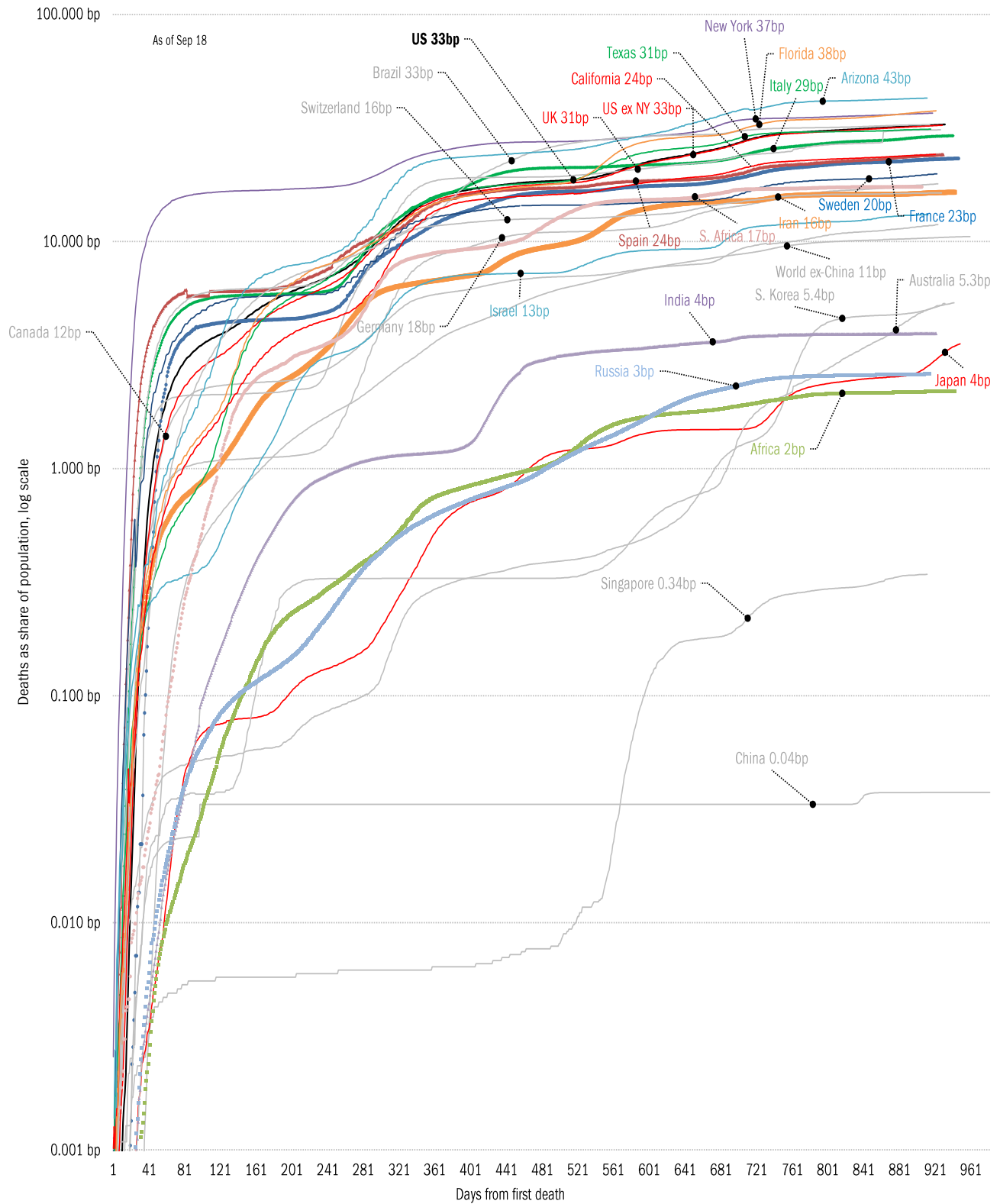
The global coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

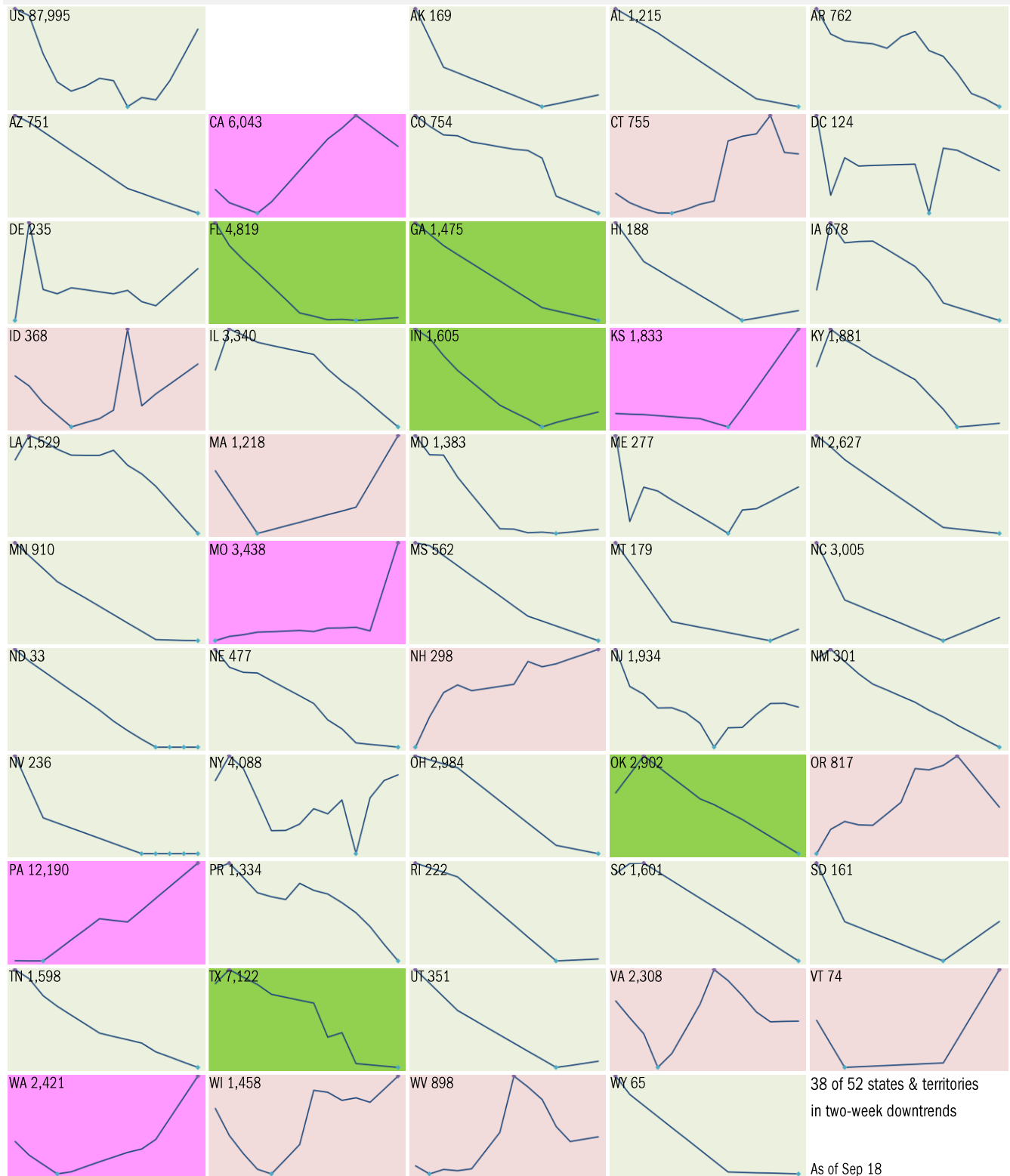


Source: [Johns Hopkins](#), TrendMacro calculations

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

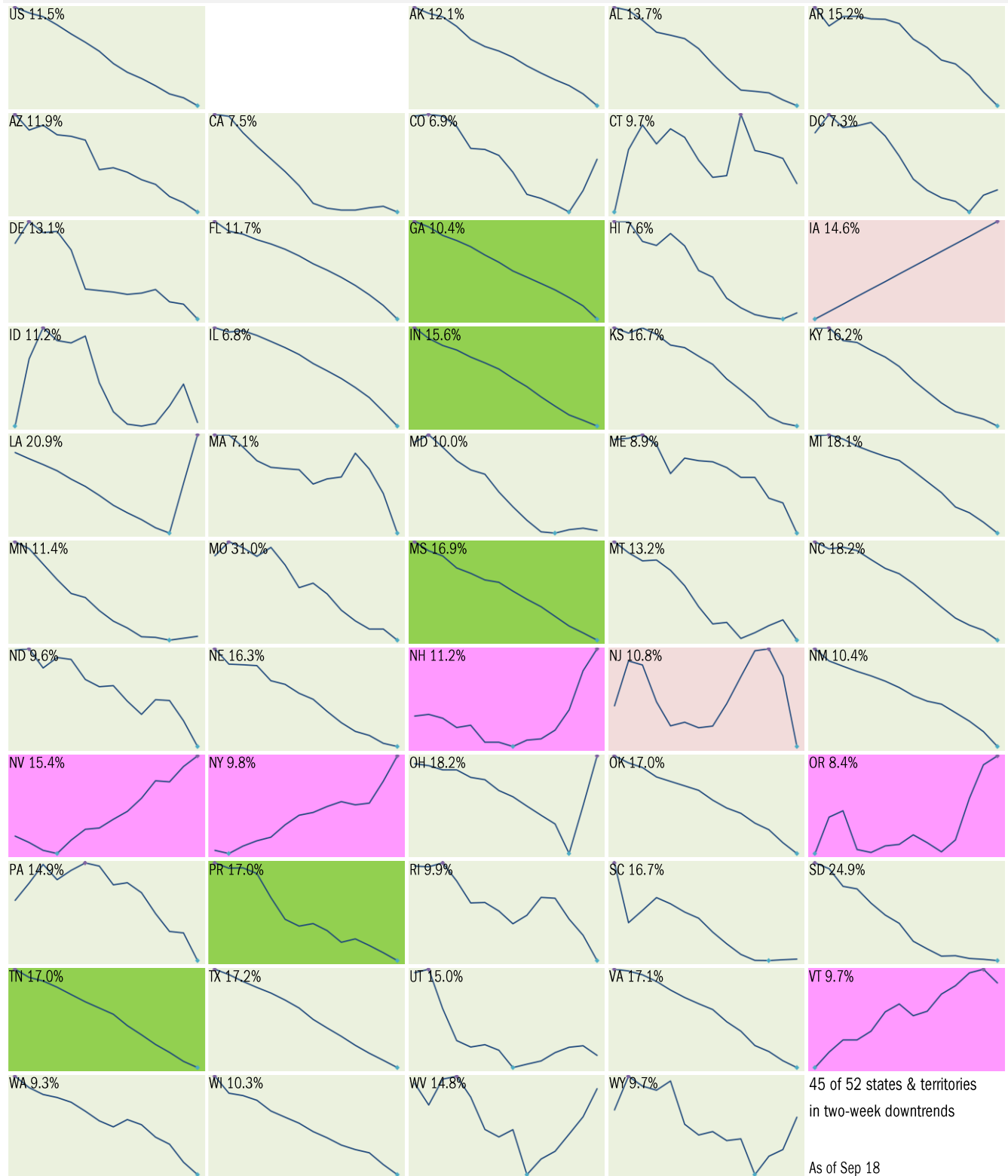


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

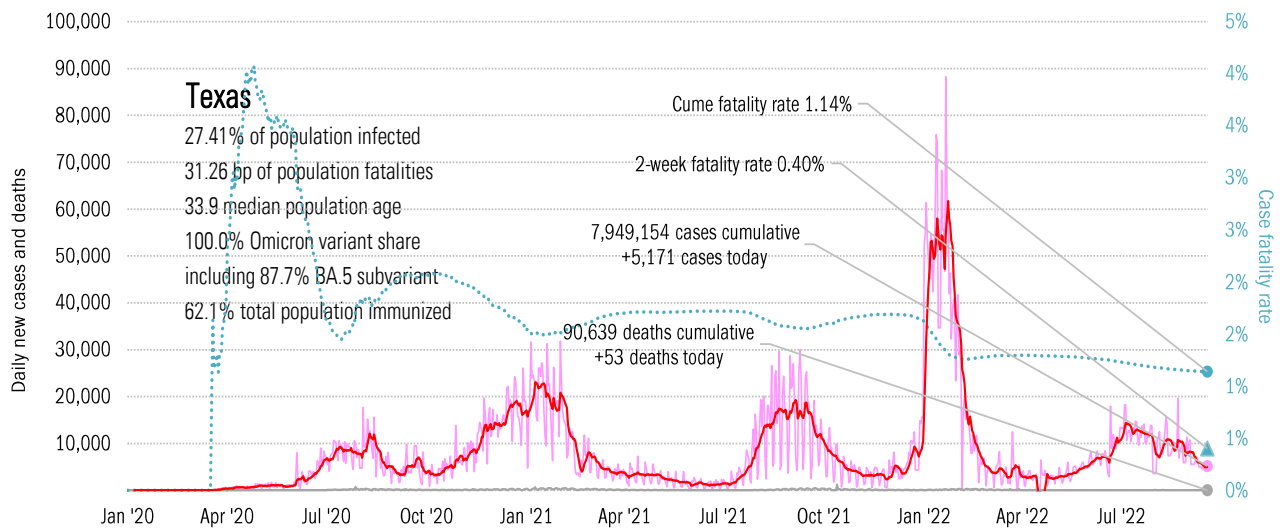
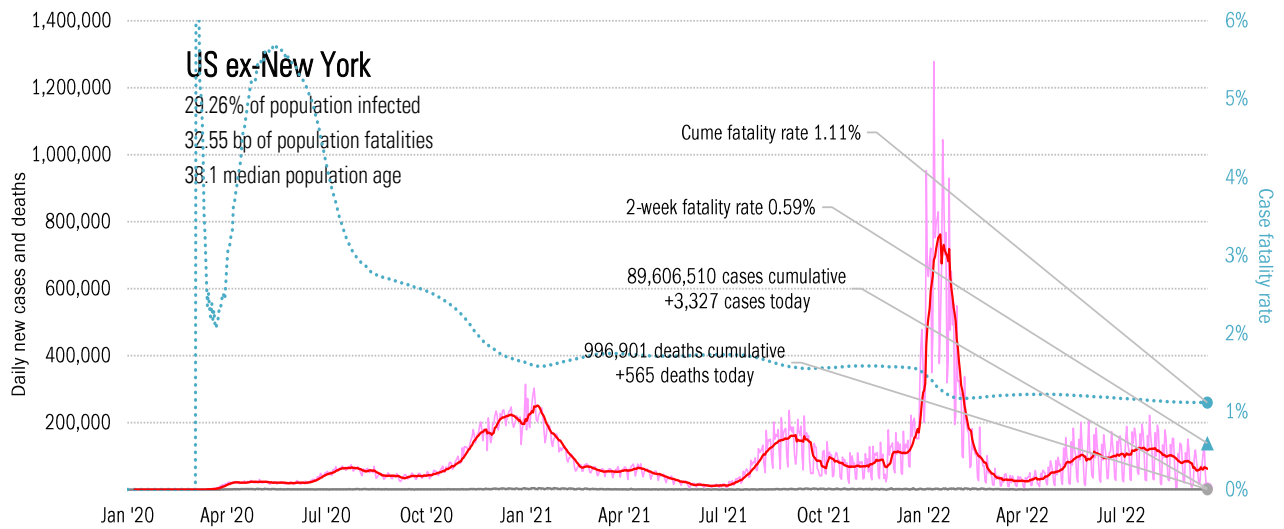
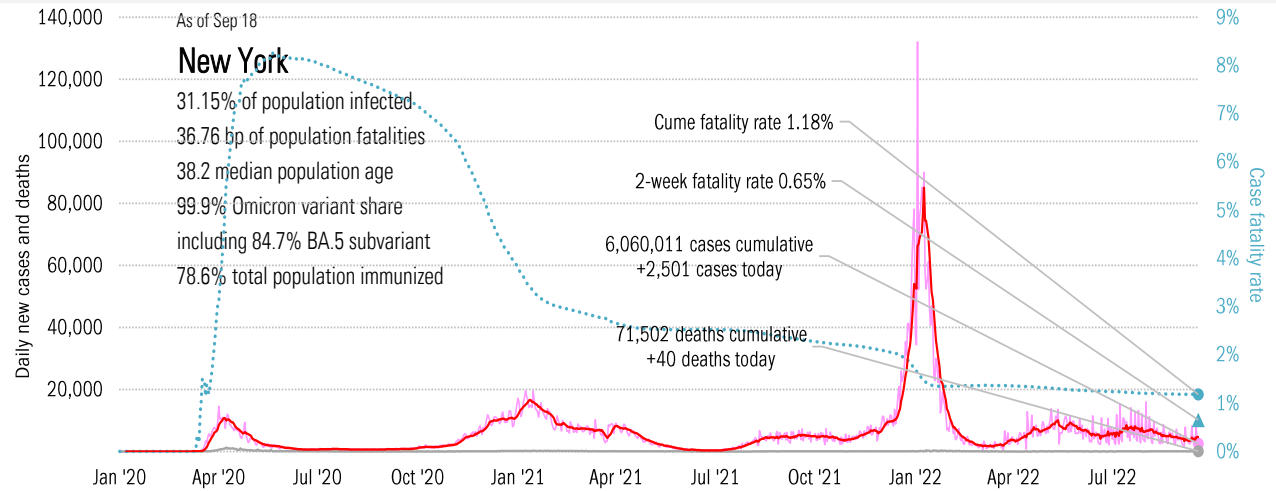
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

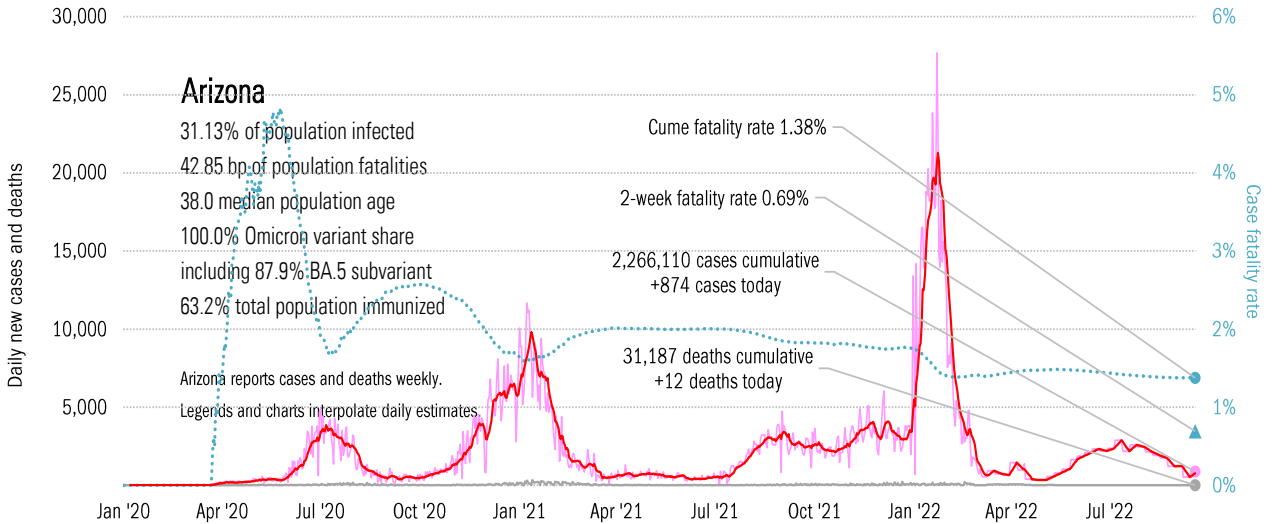
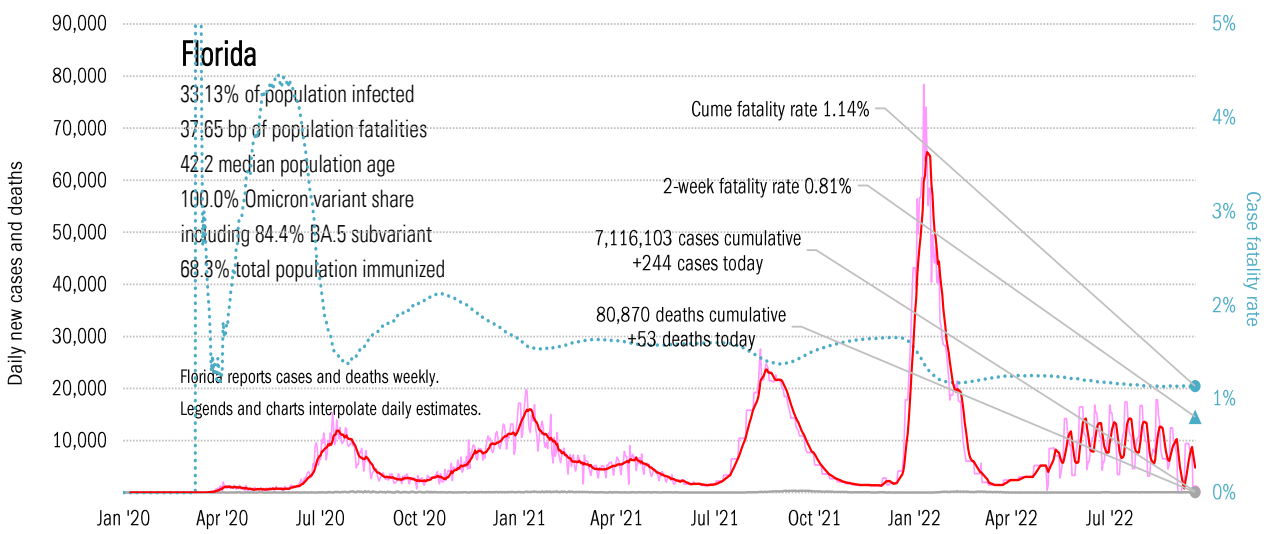
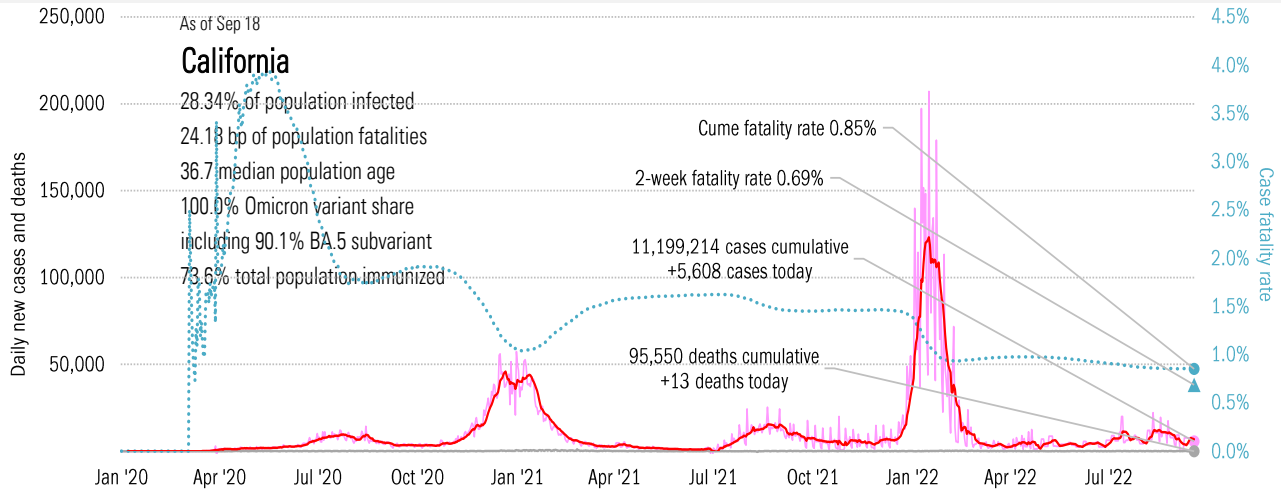
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

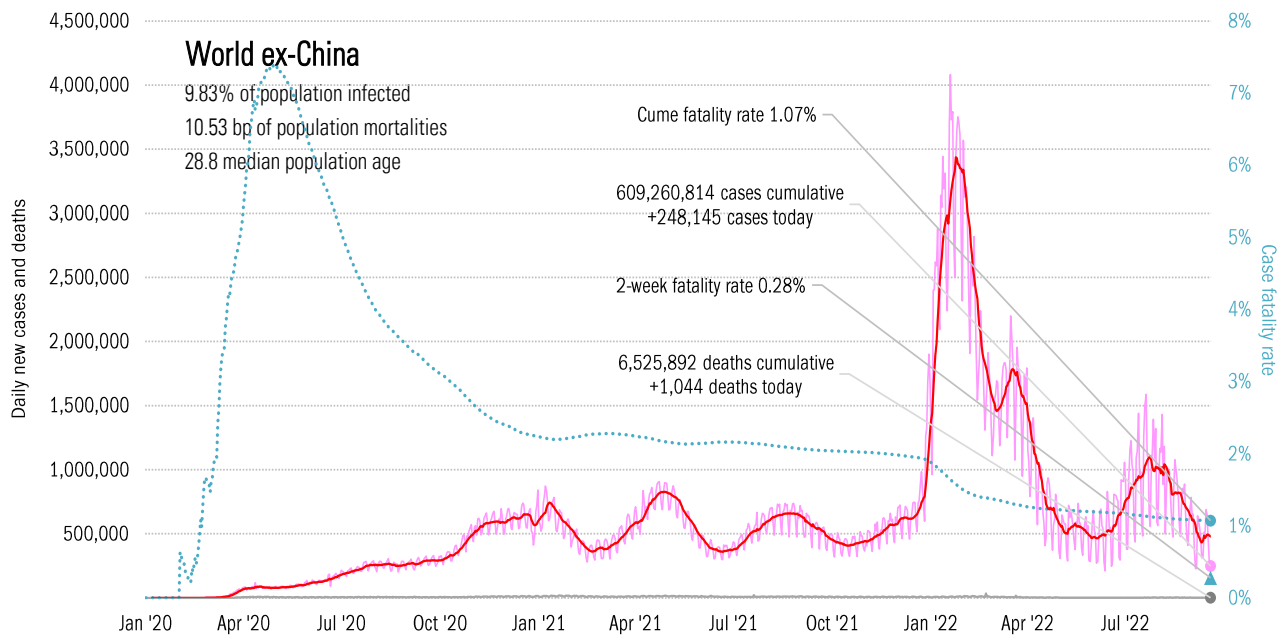
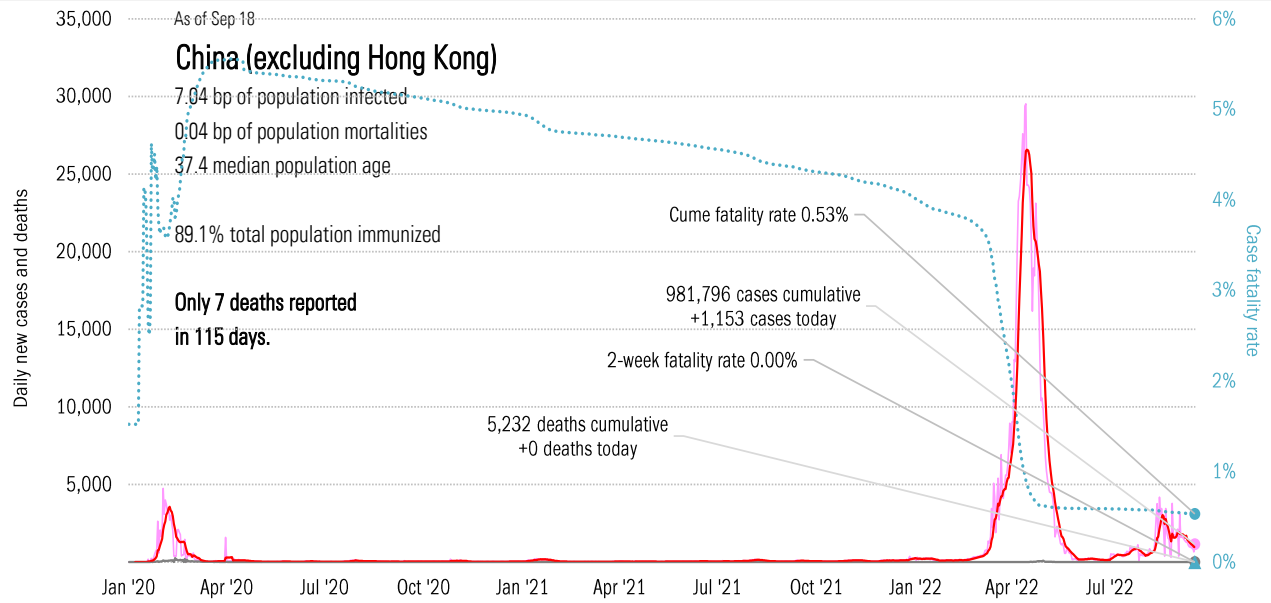
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

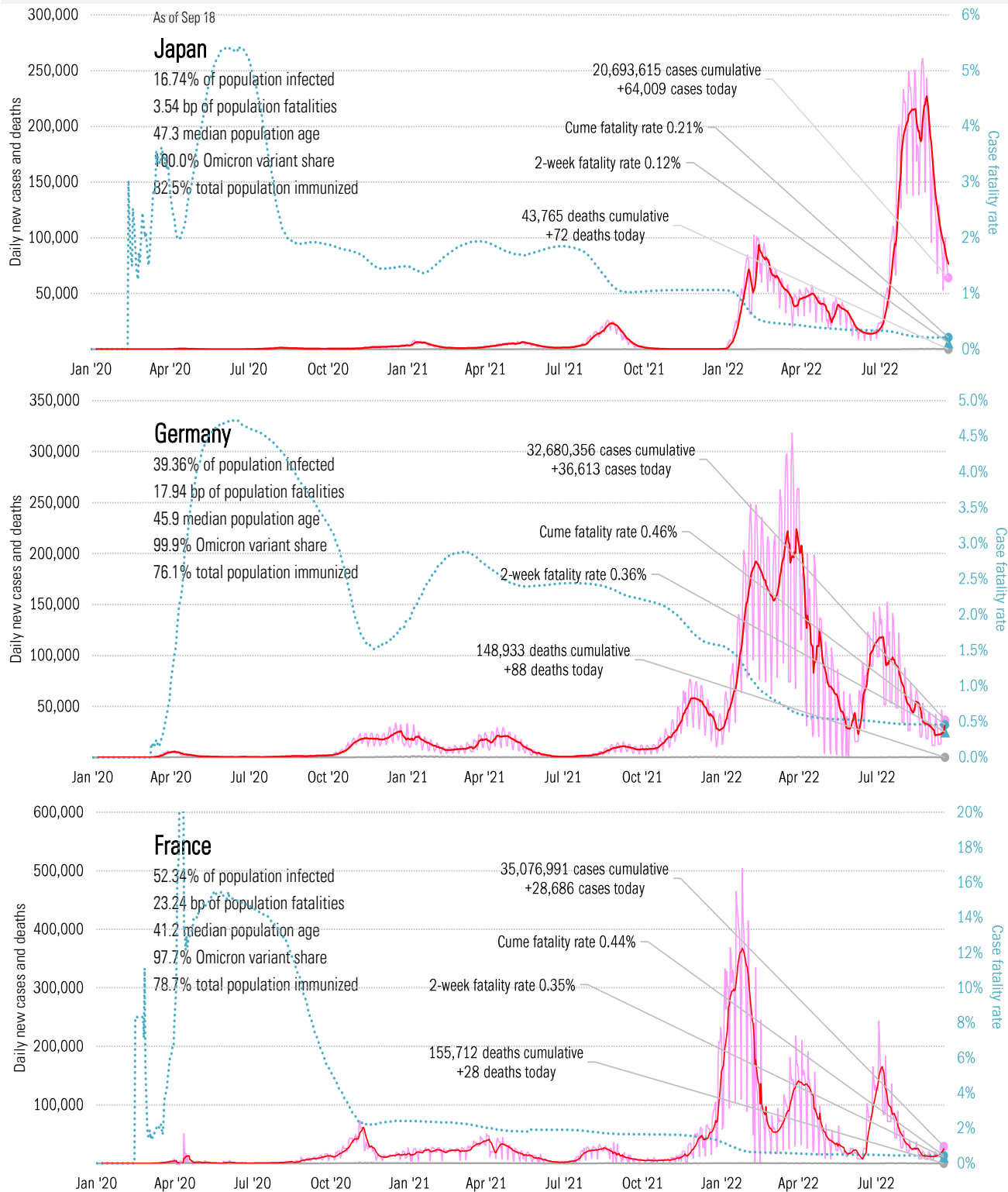
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

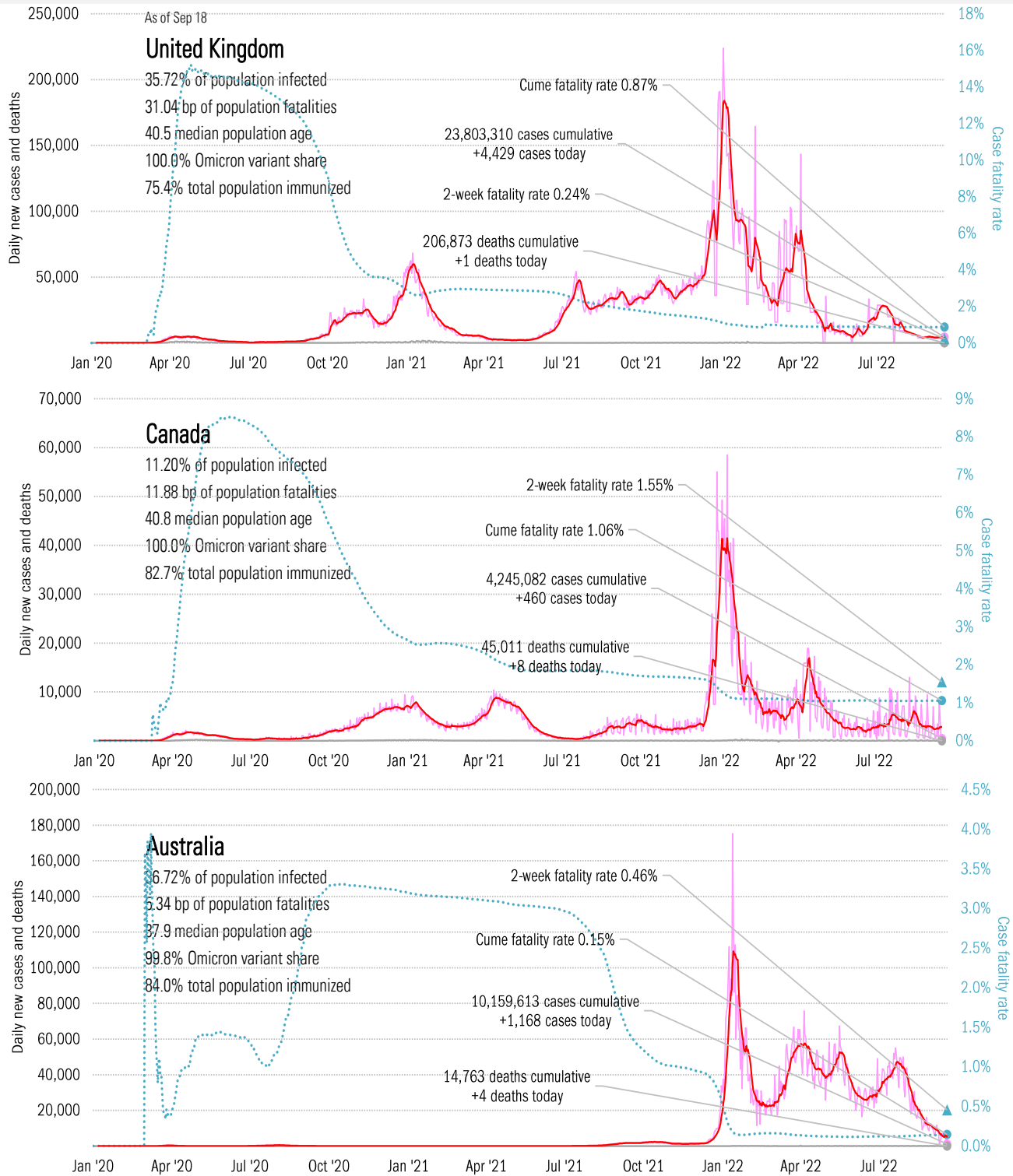
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

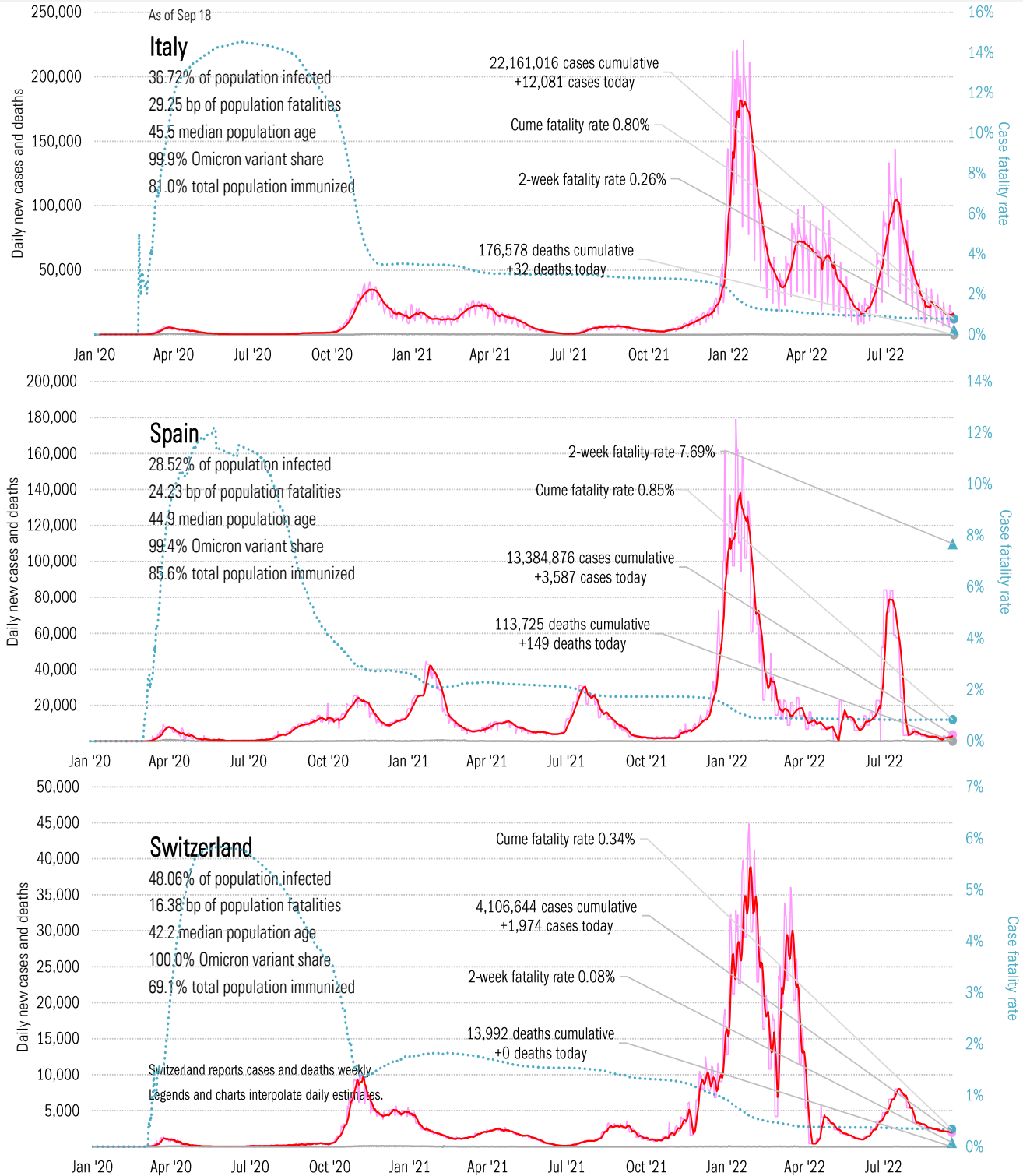
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

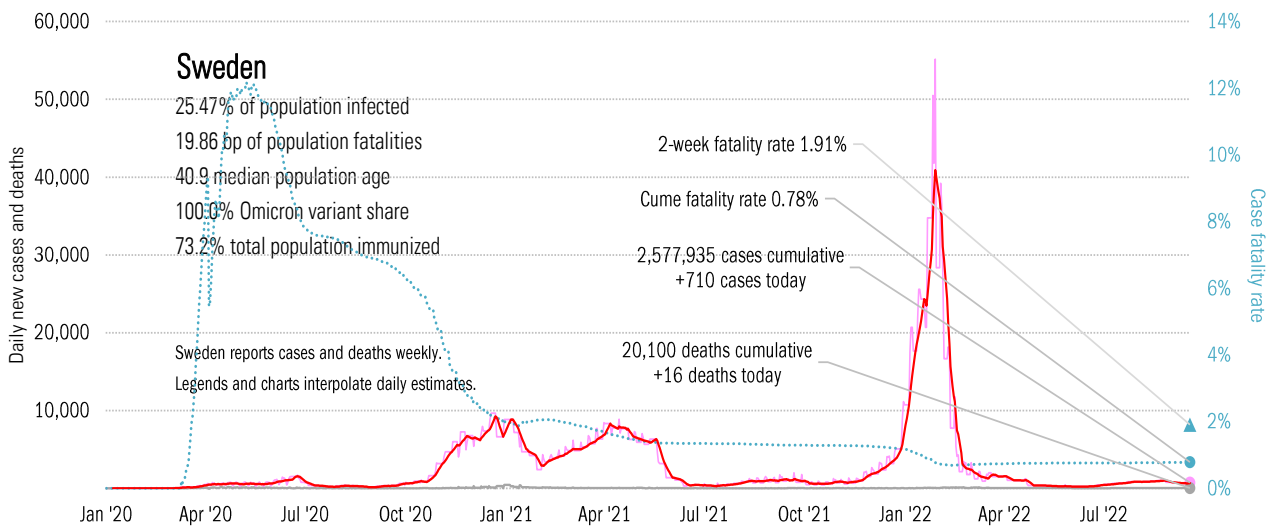
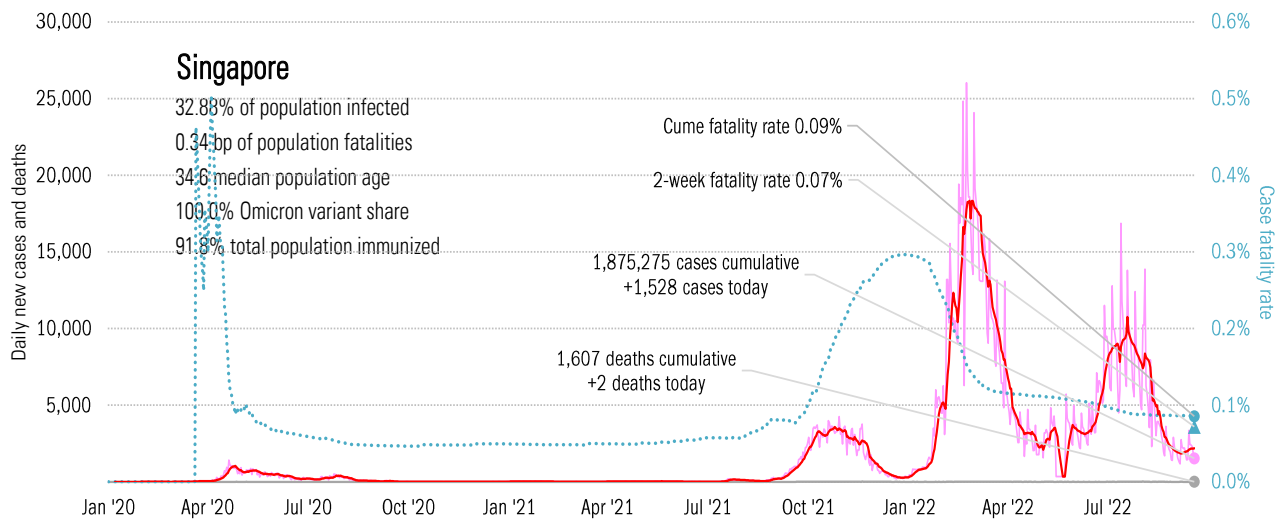
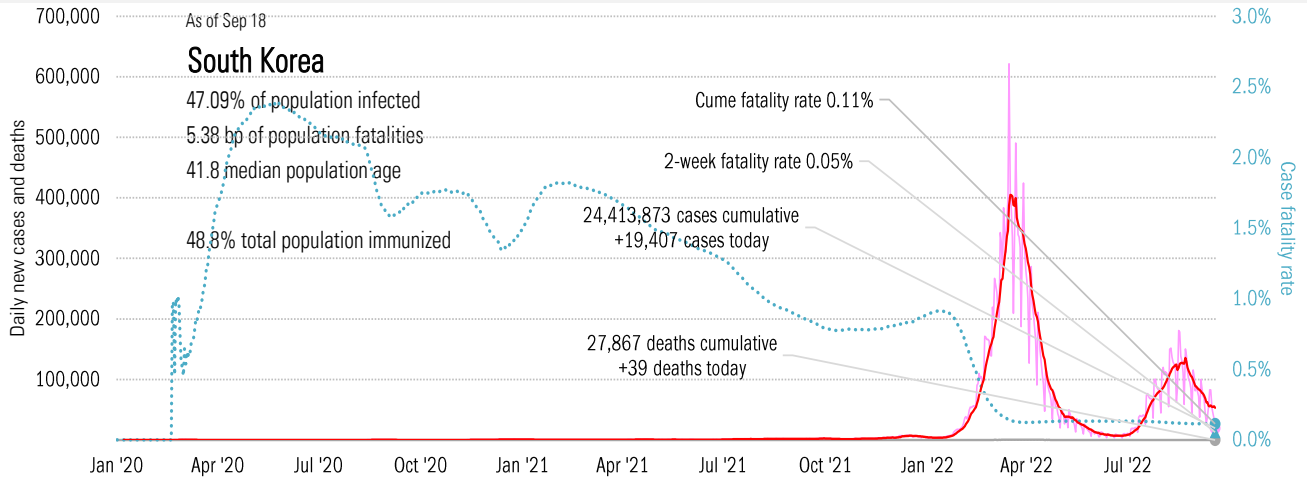
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

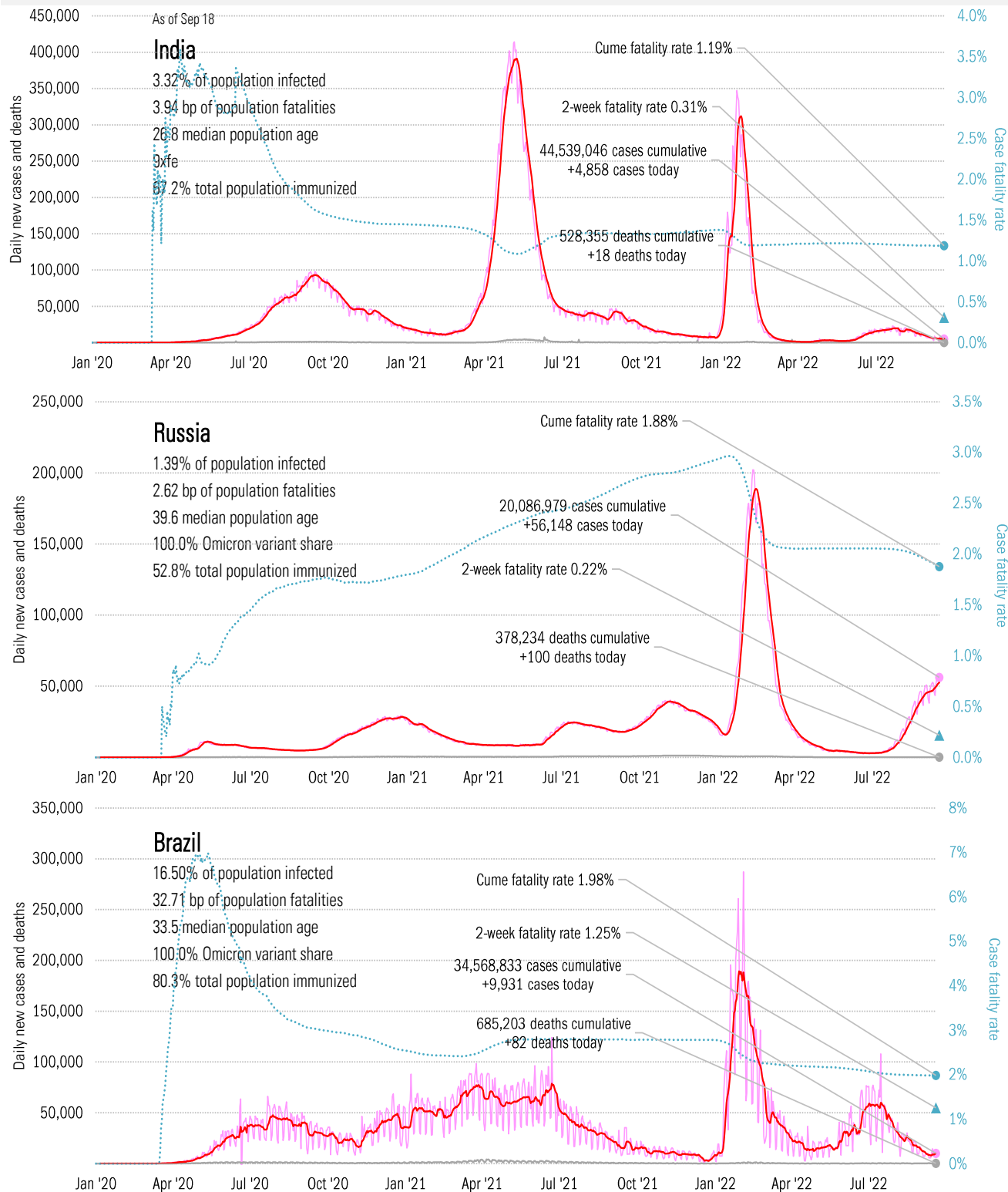
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

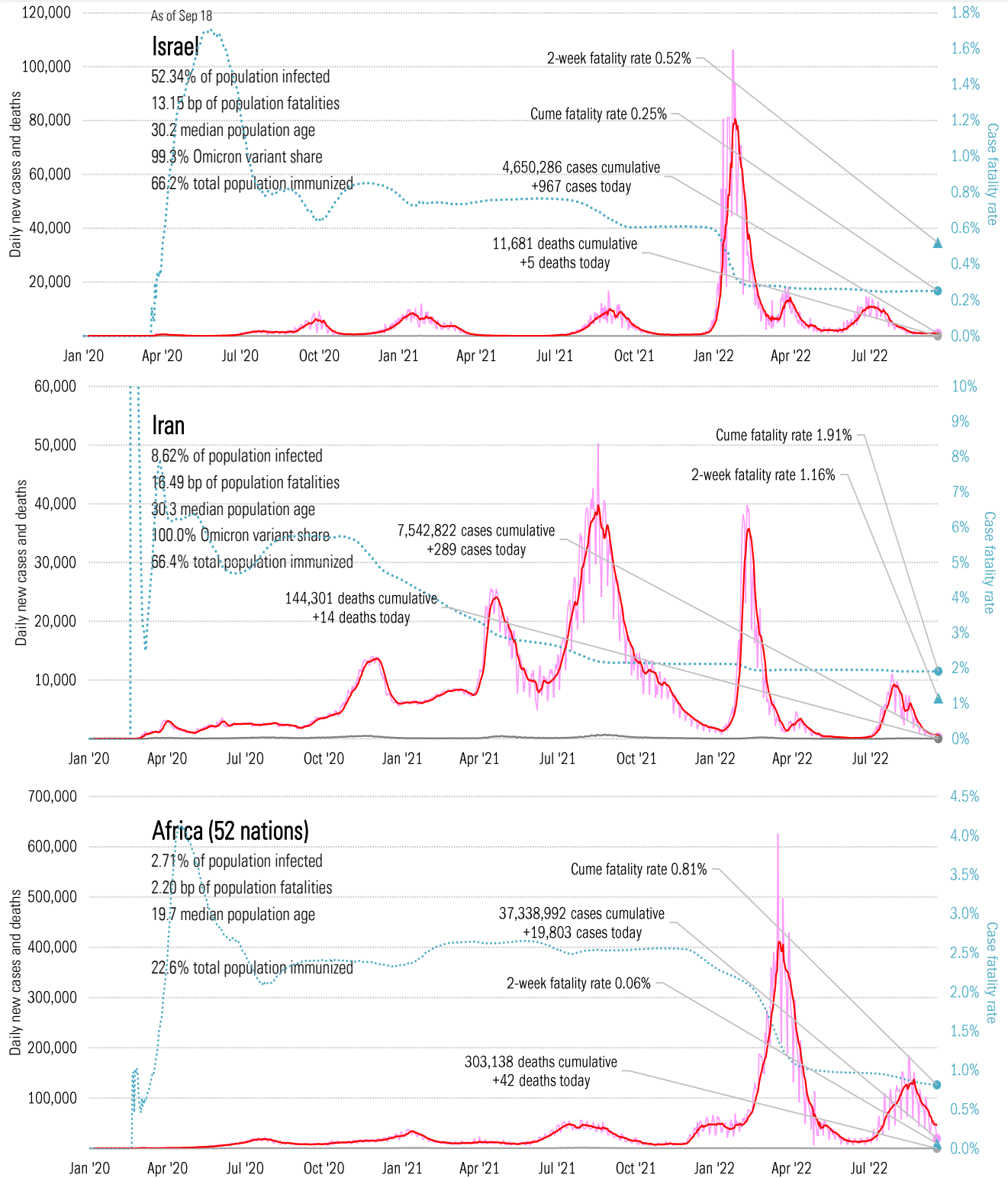
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

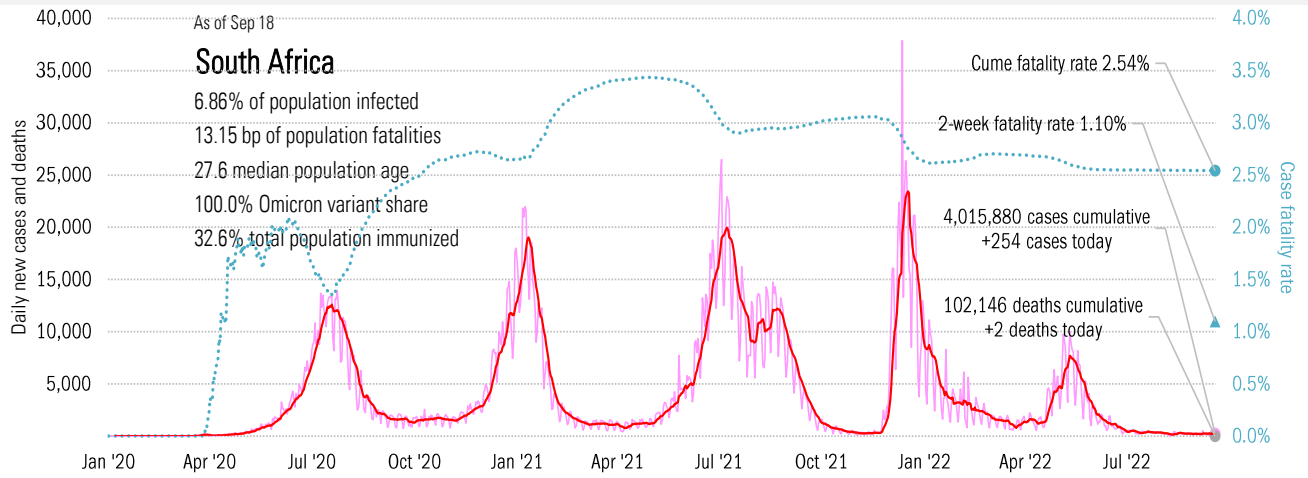
Cases: **7-day average** and **daily** Deaths: **Daily**



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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