

Data Insights: Covid-2019 Monitor

Thursday, September 15, 2022

The global scorecard

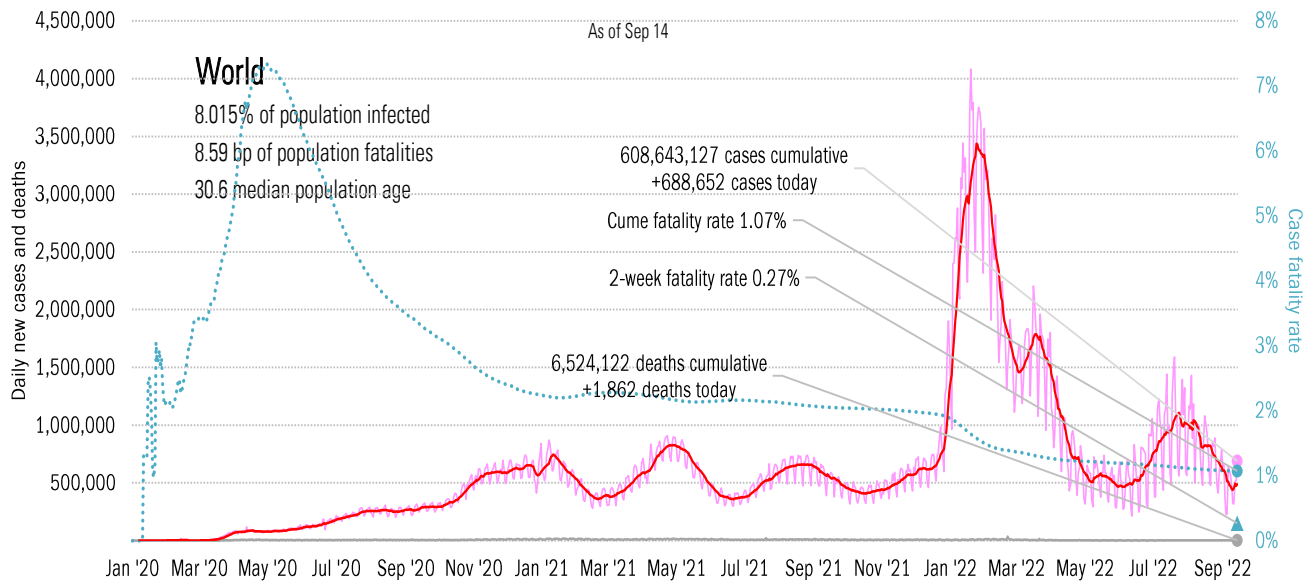
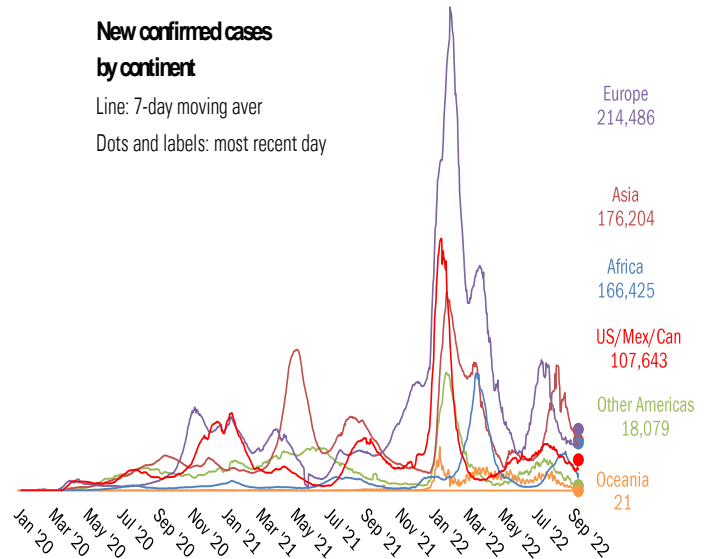
Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries

New cases		New Deaths	
Korea, South	165,336	United States	552
Japan	100,229	Germany	230
United States	90,878	Slovakia	185
Russia	51,236	Japan	184
Taiwan*	49,660	Korea, South	132
Germany	46,514	Brazil	119
Slovakia	33,633	Russia	95
France	29,623	Italy	69
Italy	18,849	Hungary	42
Brazil	14,525	Taiwan*	37
600,483		1,645	
World	688,652	World	1,862
Top ten	87%	Top ten	88%

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

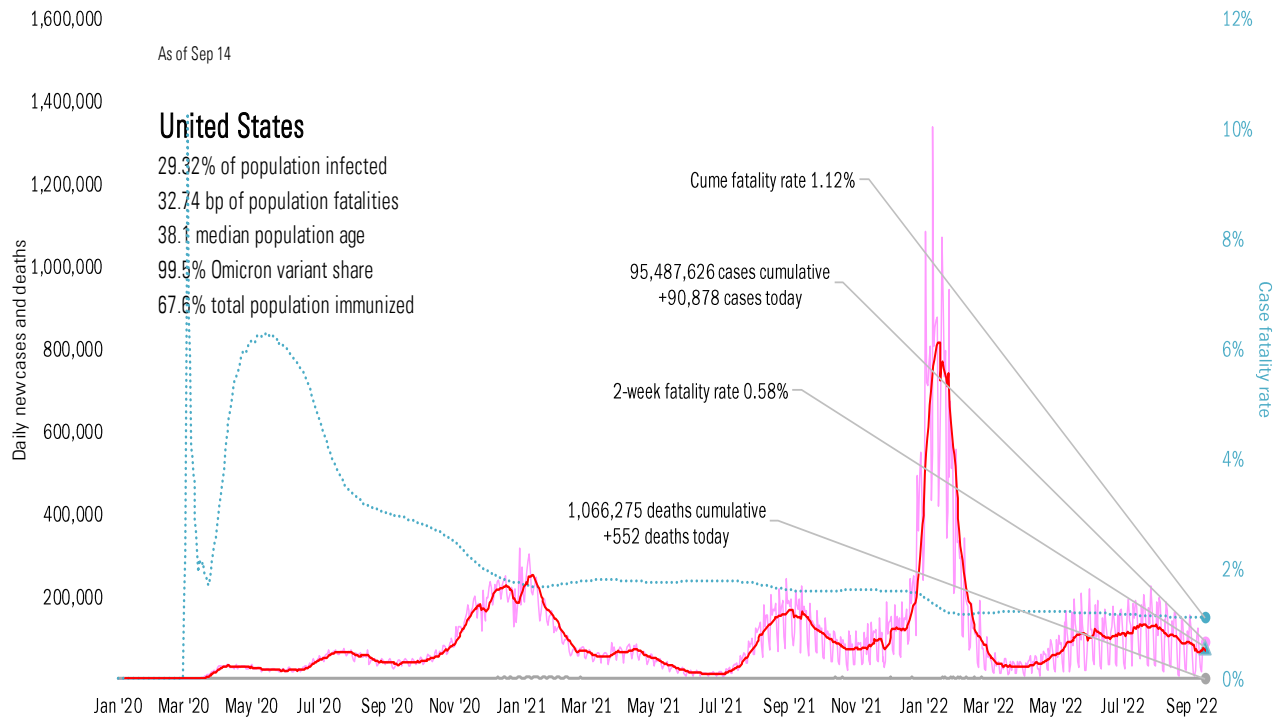
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use			
PA	17,506		FL	59		AR	51		CA	11,174,559		CA	95,415		TX	541,394		RI	91%		AK	89%	
TX	9,227		CA	50		CT	54		TX	7,937,740		TX	90,577		CA	494,486		GA	87%		TX	88%	
FL	8,336		TX	48		GA	180		FL	7,108,446		FL	80,654		FL	488,805		MA	87%		VT	87%	
NY	4,833		NY	36		ME	21		NY	6,043,938		NY	71,455		NY	294,918		DE	85%		NH	84%	
KS	4,247		MI	28		WI	72		IL	3,728,299		PA	46,970		GA	224,295		WA	84%		AL	84%	
CH	3,104		WA	26		WY	9		PA	3,220,994		GA	40,025		CH	215,480		MO	84%		NM	83%	
NC	3,027		IN	24		ND	11		NC	3,162,491		CH	39,576		PA	201,020		MIN	83%		MA	83%	
IL	2,873		GA	21		AK	9		CH	3,096,557		IL	39,498		IL	184,325		NH	83%		RI	82%	
MI	2,625		PA	20		CH	210		GA	2,893,001		MI	38,317		MI	160,249		MI	83%		GA	82%	
WA	2,458		IL	18		OR	36		MI	2,804,588		NJ	34,650		KY	143,680		DC	82%		NC	81%	
58,237			331			653			51,170,613			577,137			2,948,652								
All states	90,878		552		4,263		All states	95,487,626		1,066,275		5,348,612		All states	70%		67%						
Top ten	64%		60%		15%		Top ten	54%		55%		55%		Median	77%		74%						

Some states not reporting

Five most improved US states

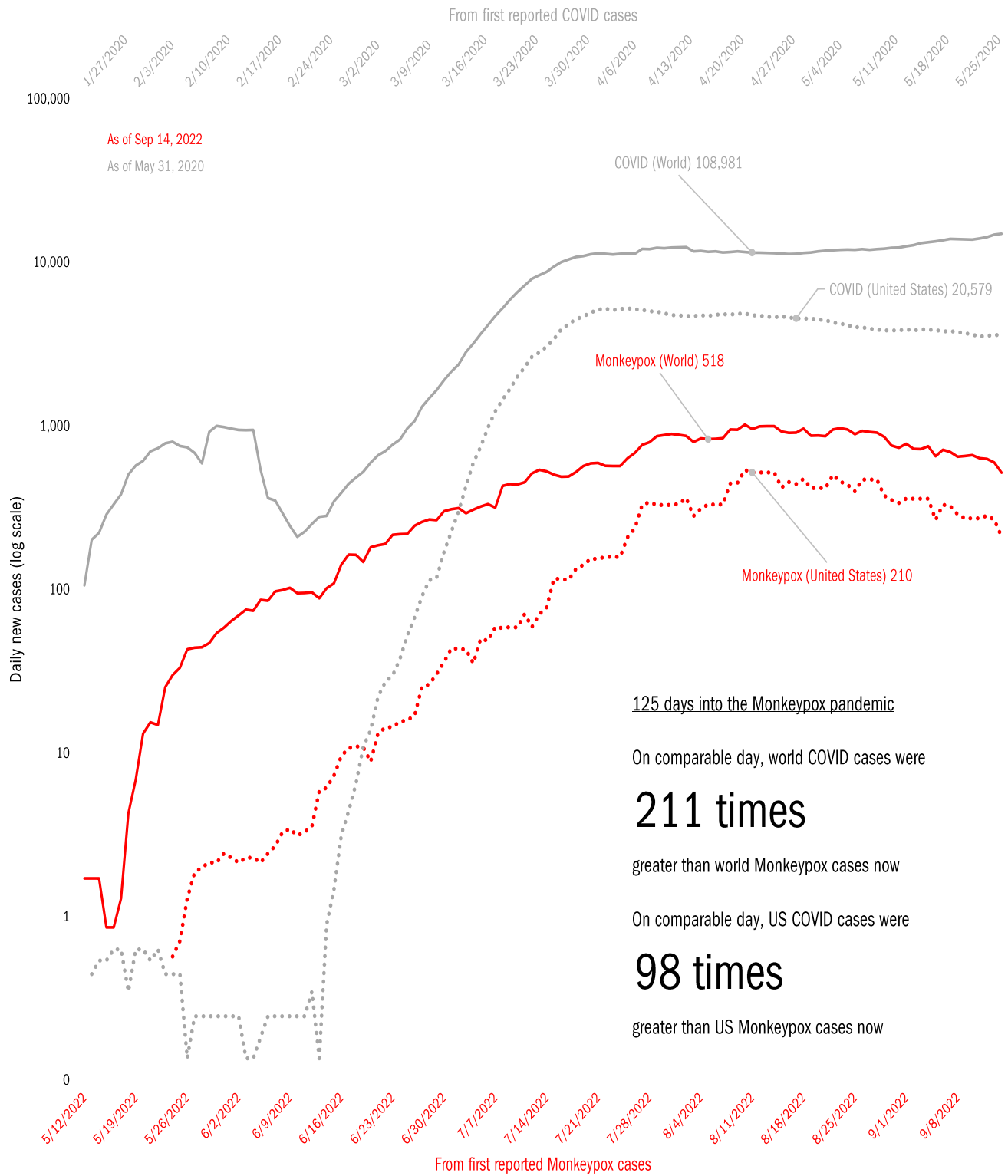
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CT	-2,284	NY	-20	PA	-99
MD	-1,183	CT	-16	MI	-56
NE	-743	WI	-16	OK	-50
MO	-545	MD	-6	NC	-46
NH	-354	VA	-6	TX	-46



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

The Monkeypox contextualizer

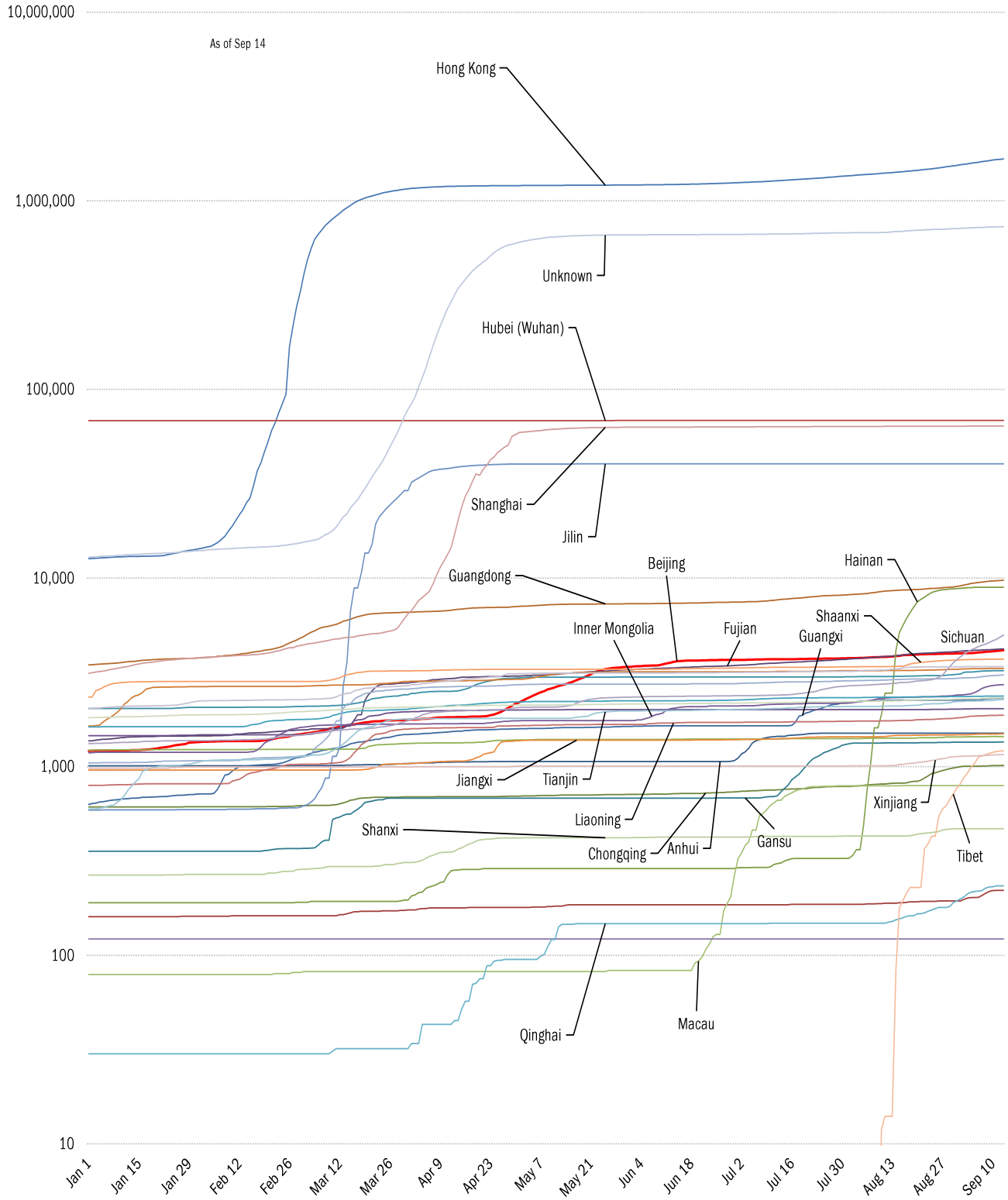
The course of case growth versus COVID



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

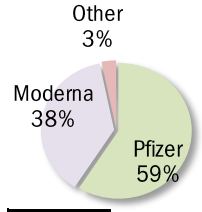
Rolling out the vaccines in the US and the world

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
Age 12 to 17	18,165,772	72%	15,521,542	61%	+0.003 million
Age 18 to 64	181,000,884	89%	153,748,856	76%	+0.010 million
Age 65 and over	59,742,433	100%	52,263,684	95%	+0.002 million

France	78.7%	80.9%
Spain	85.6%	87.0%
Germany	76.1%	77.7%
Italy	81.0%	85.8%
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%

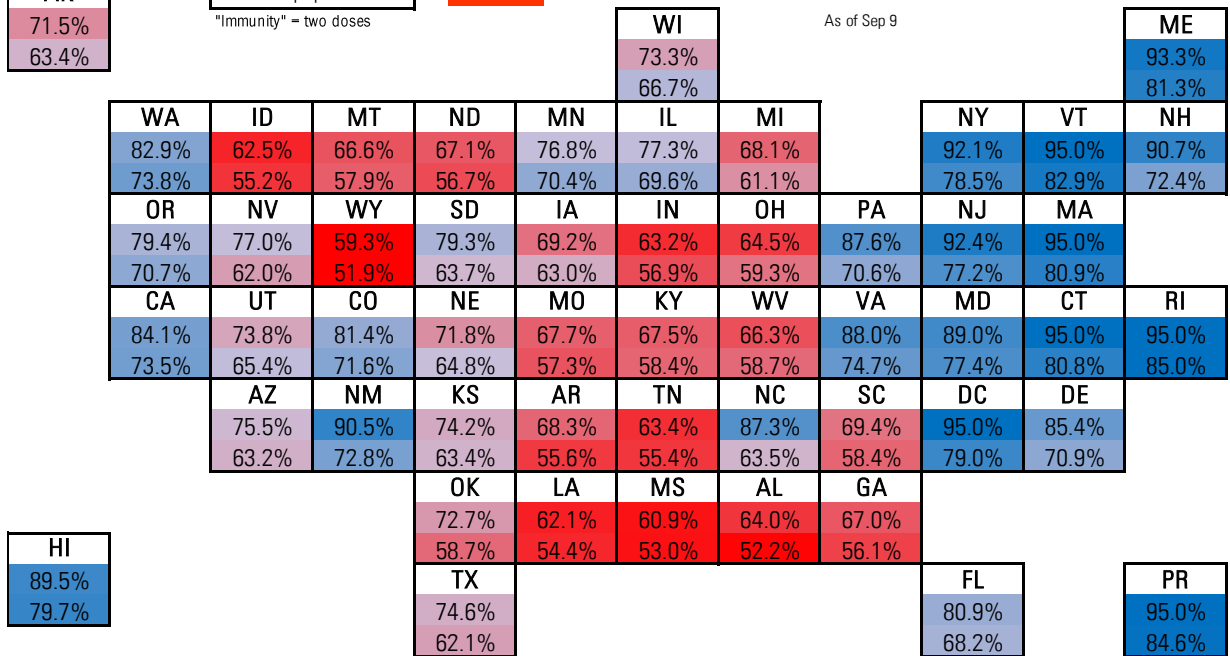
Global data differs due to sources, timing



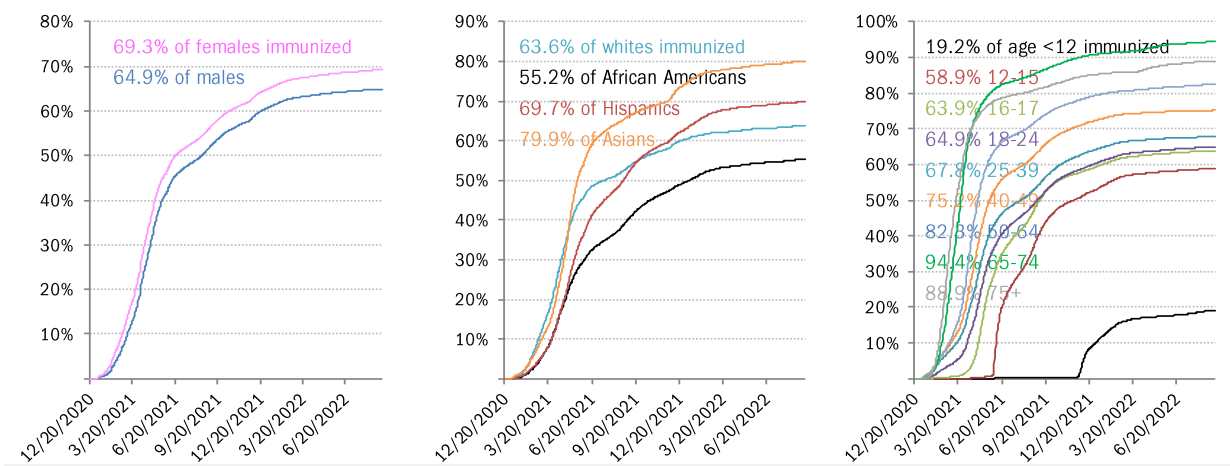
State	Full immunity as % population
AK	71.5%
	63.4%

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

"Immunity" = two doses

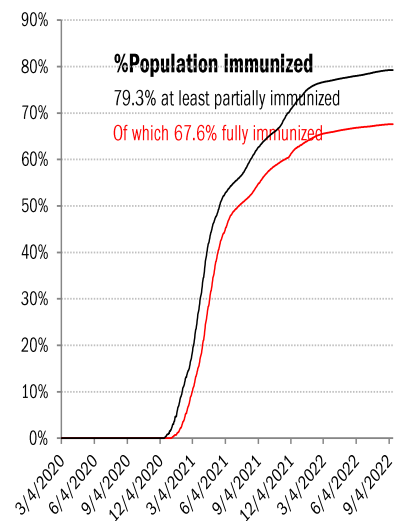
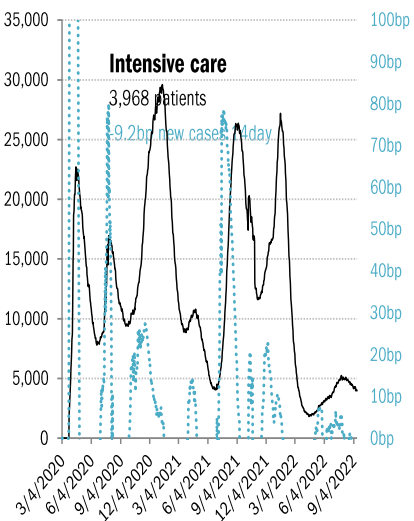
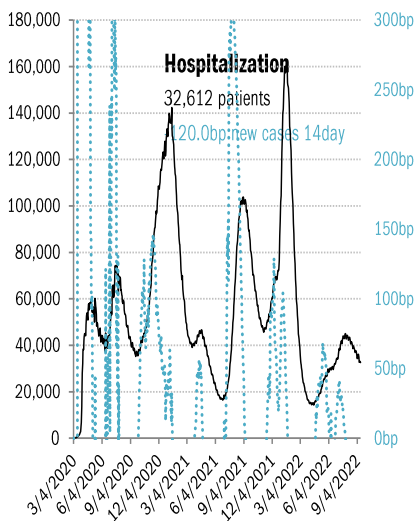
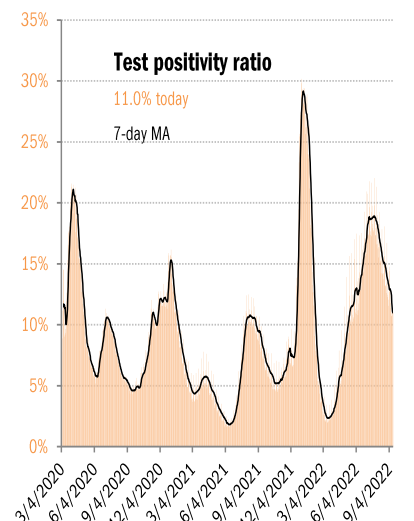
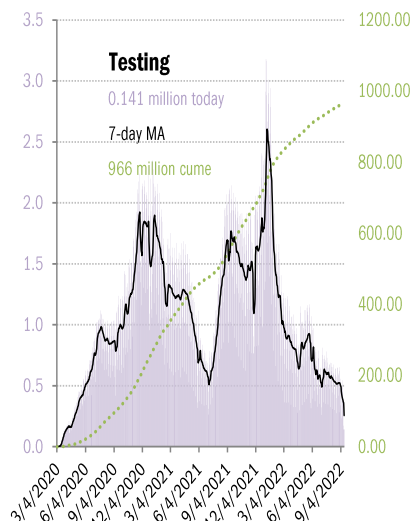
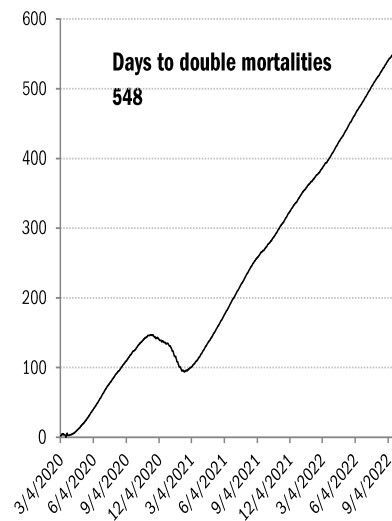
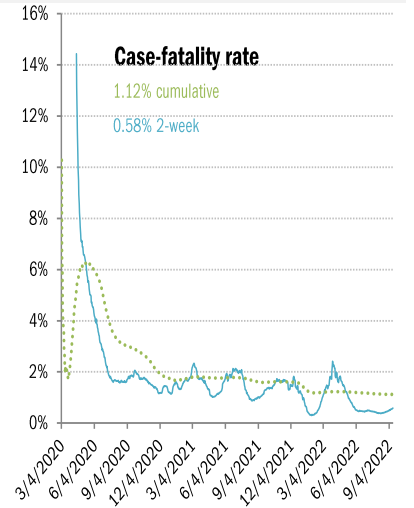
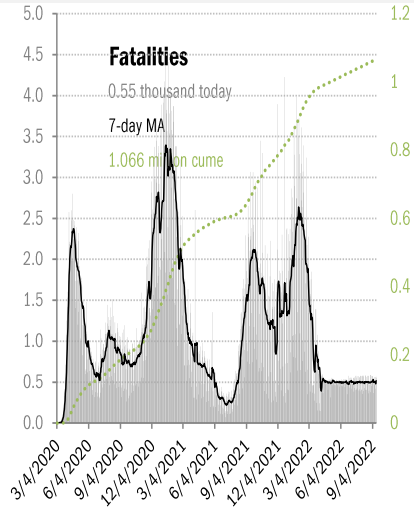
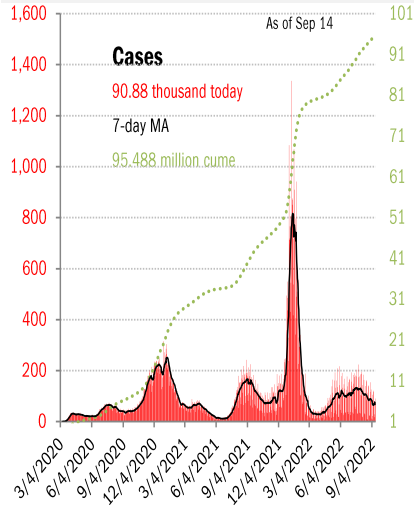


The demographics of US vaccination

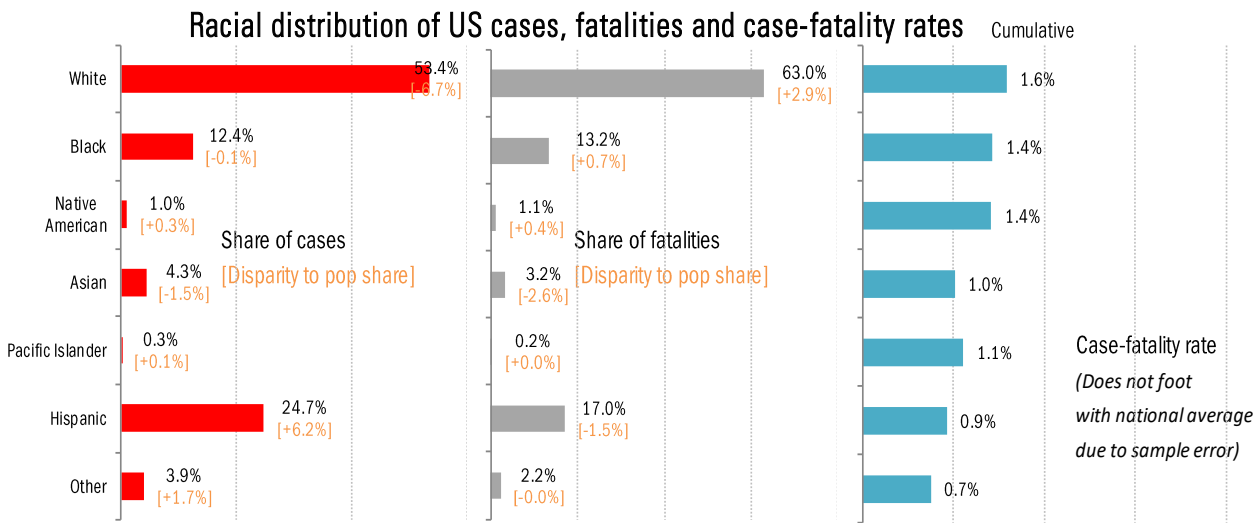
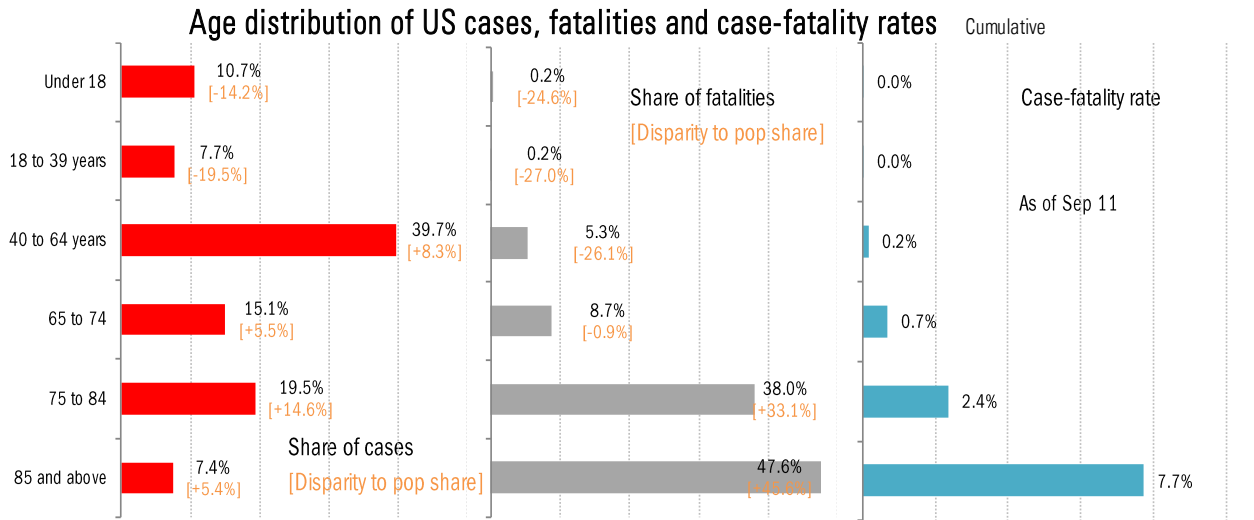


Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

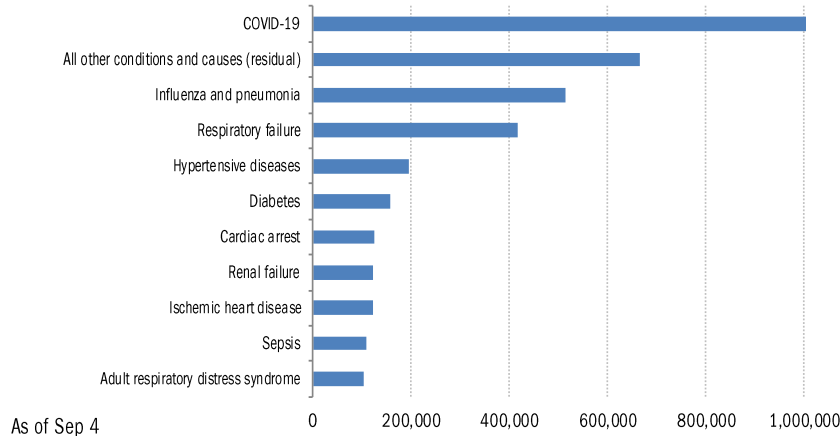


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



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

[The Number of People Primarily Working From Home Tripled Between 2019 and 2021](#)

Census Bureau
September 15, 2021

[New Data Show Broad Shift to Remote Work During Pandemic](#)

Gwynn Guilford and Paul Overberg
Wall Street Journal
September 15, 2022

[End of COVID pandemic is 'in sight,' WHO chief says](#)

Reuters
September 15, 2022

[Vaccination against covid-19](#)

Danish Health Authority
September 13, 2022

[Denmark ENDS Covid vaccinations for almost everyone under 50.](#)

Alex Berenson
Unreported Truths
September 14, 2022

Meme of the day



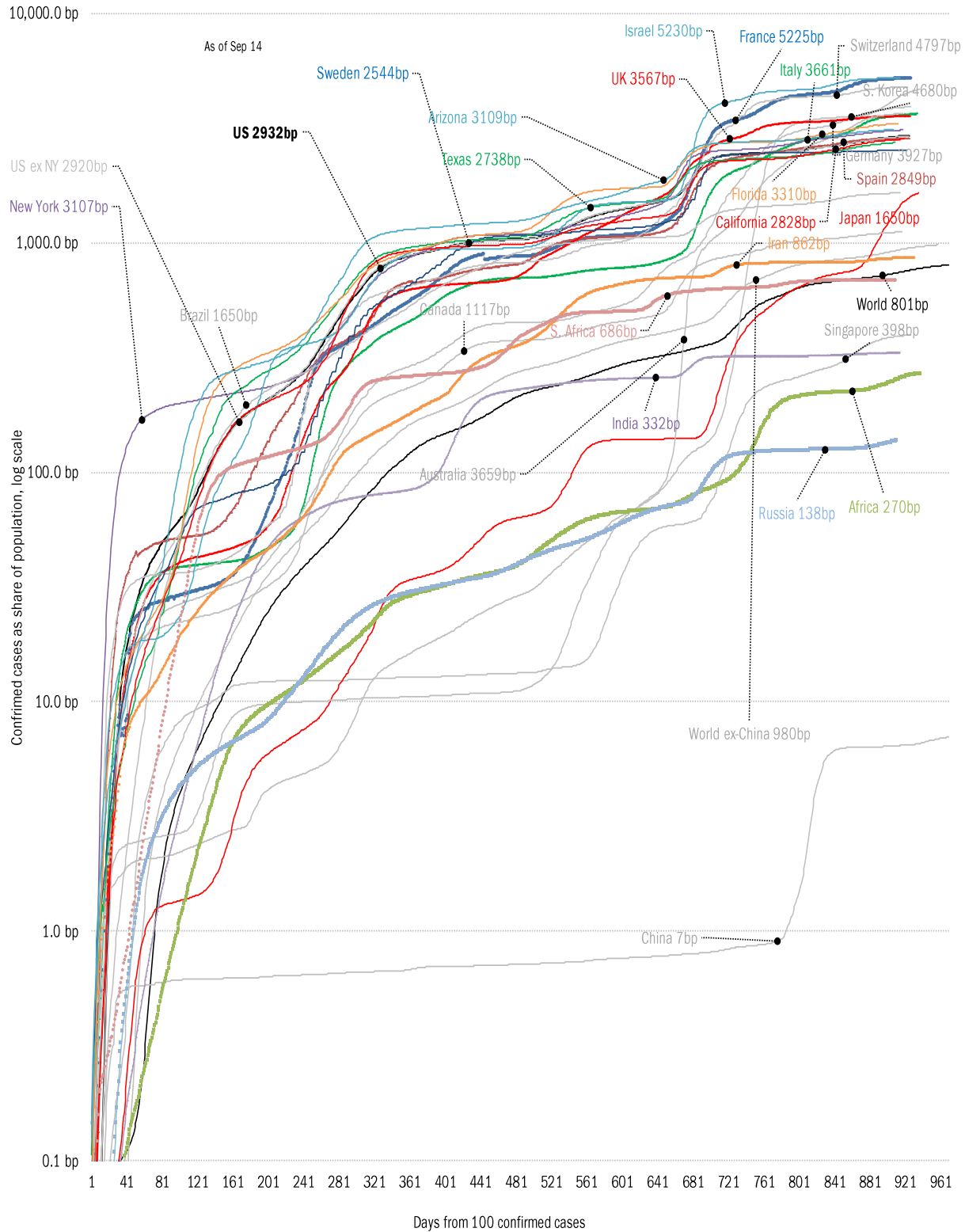
Work From Home

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

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

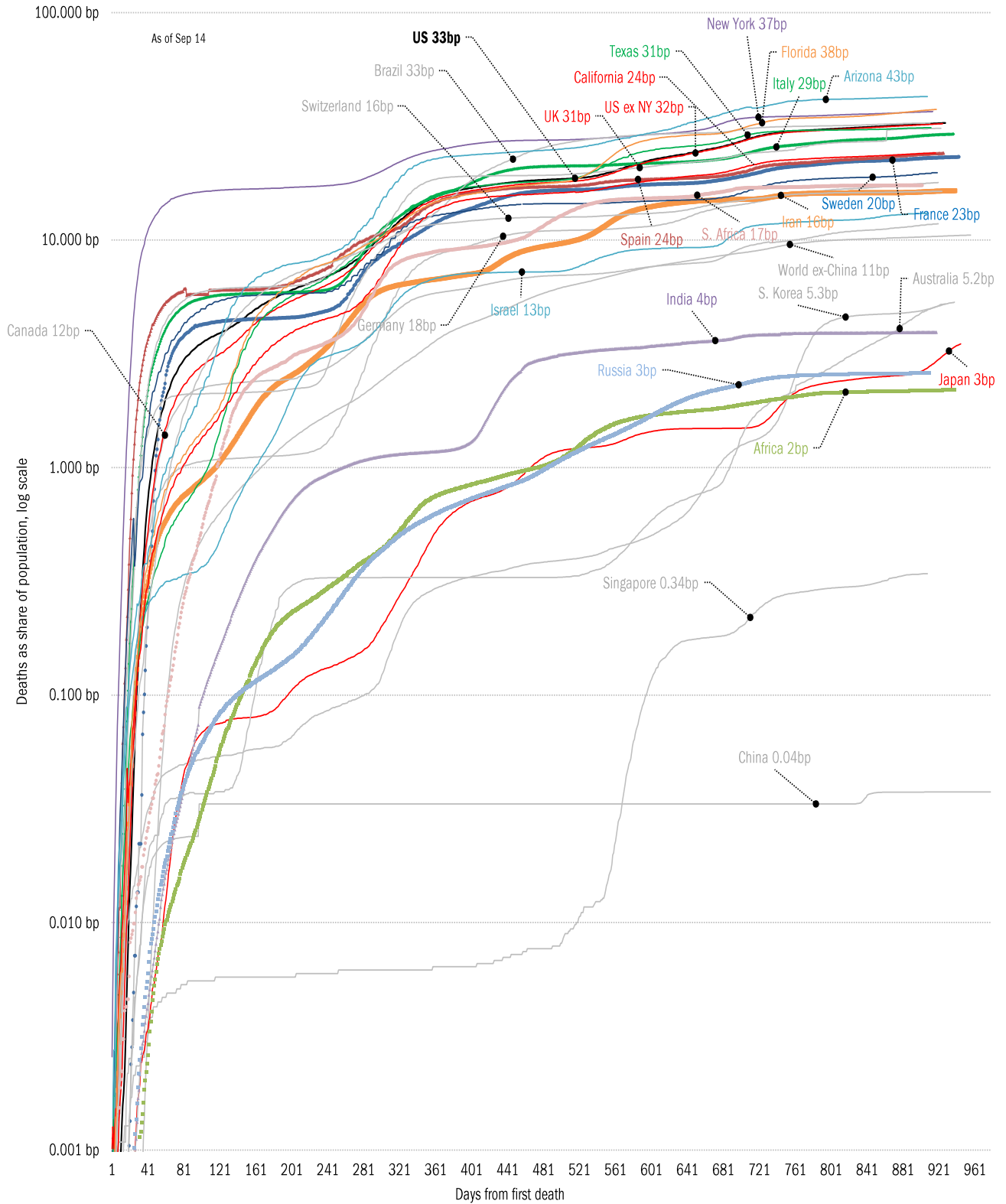
Share of infected population from first day with 100 confirmed cases, log scale

DLJSKIN1dluskin1



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

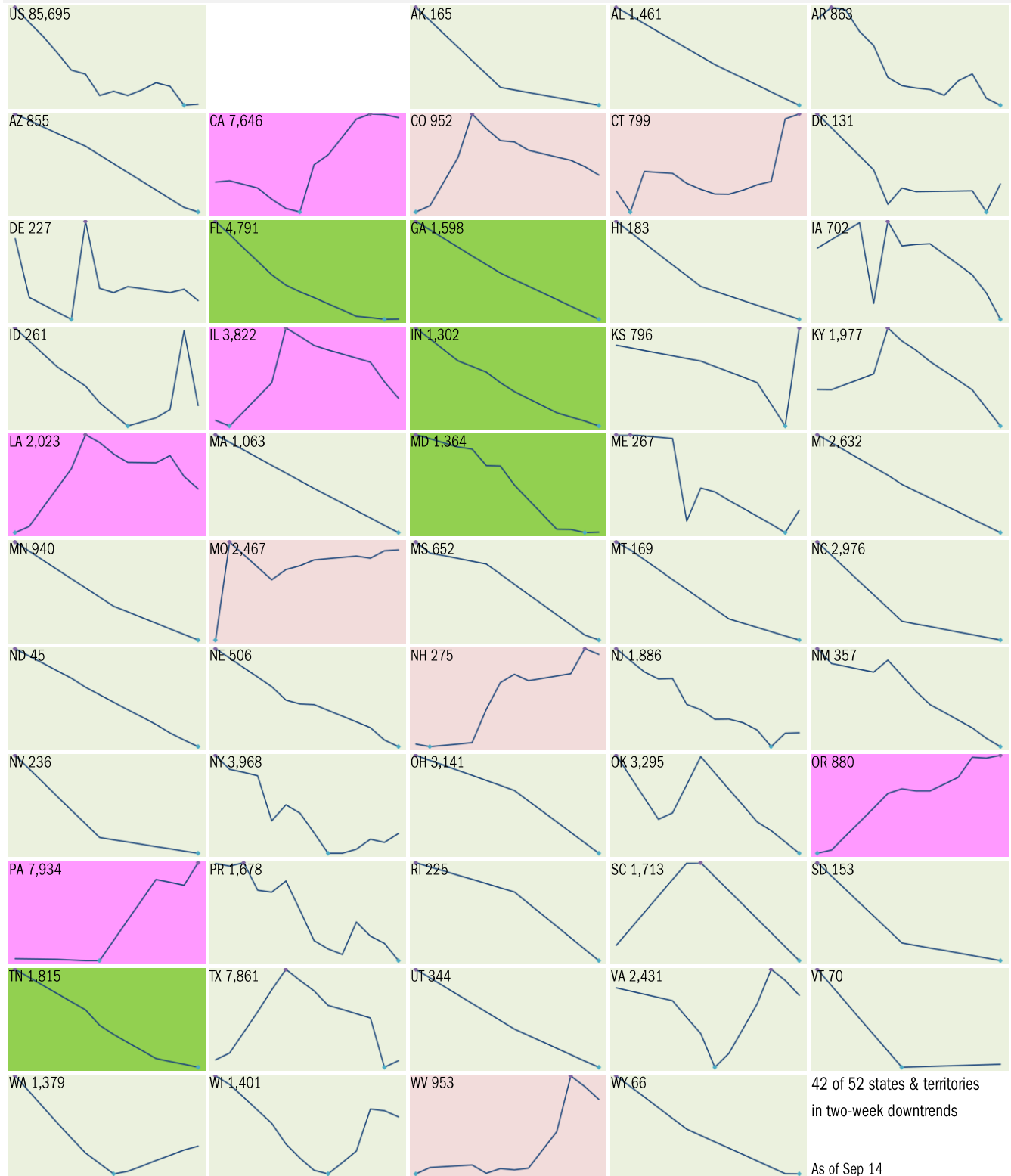


Source: [Johns Hopkins](#), TrendMacro calculations

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

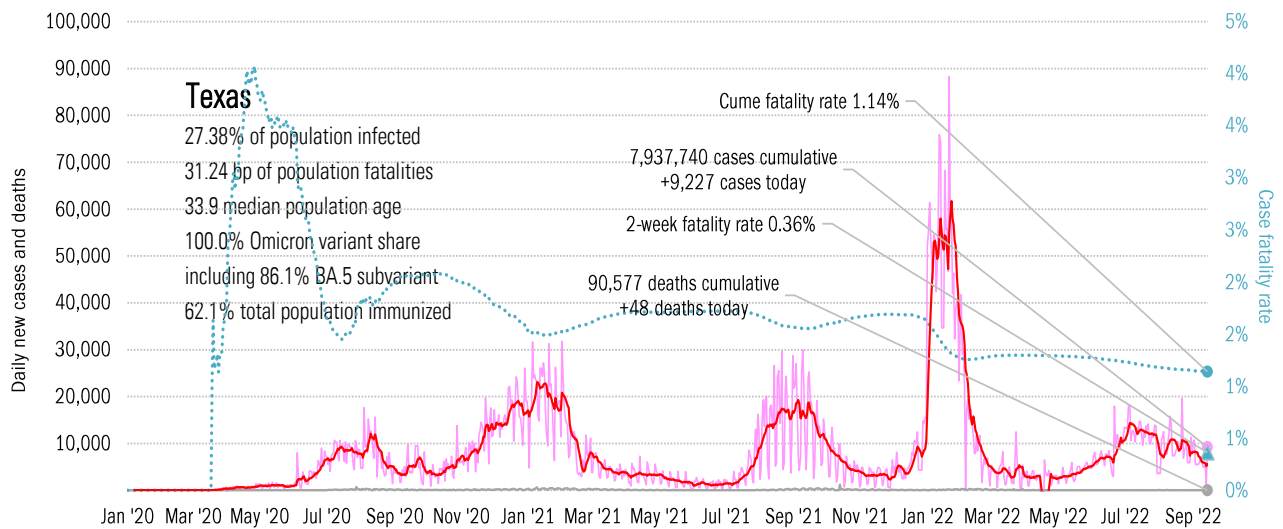
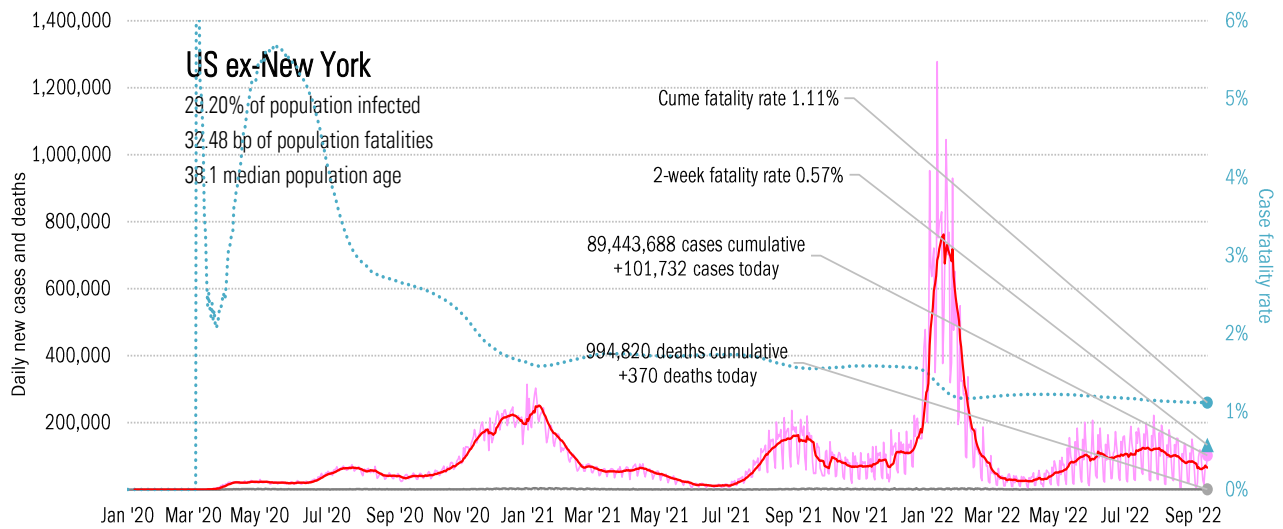
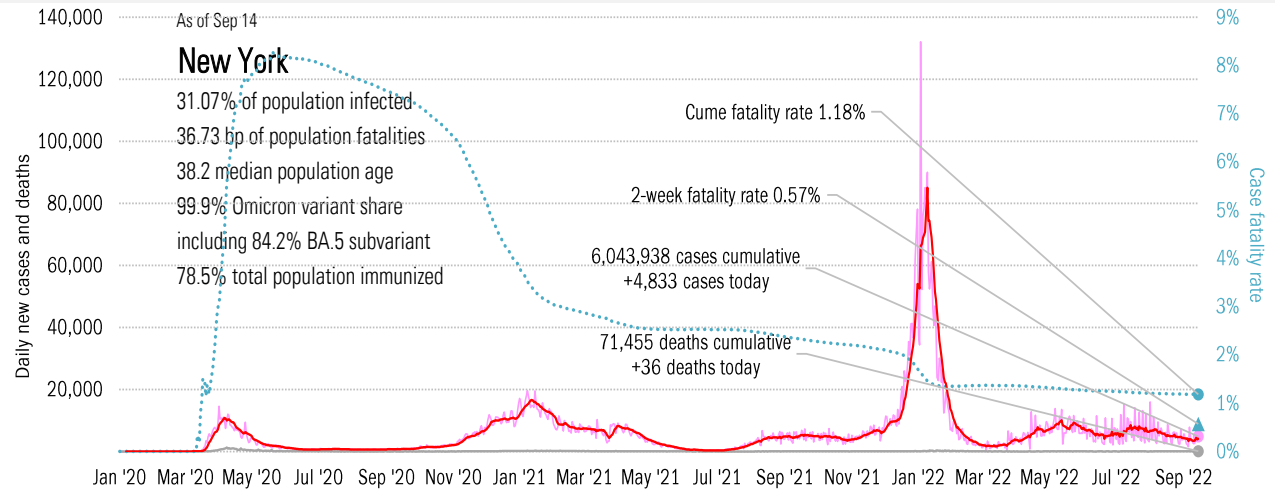
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

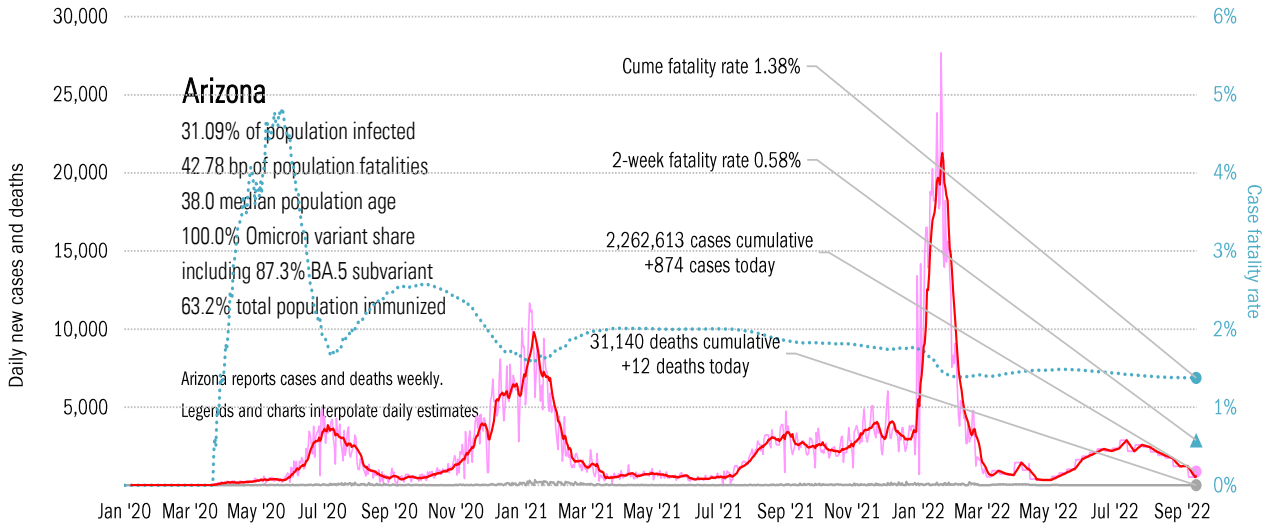
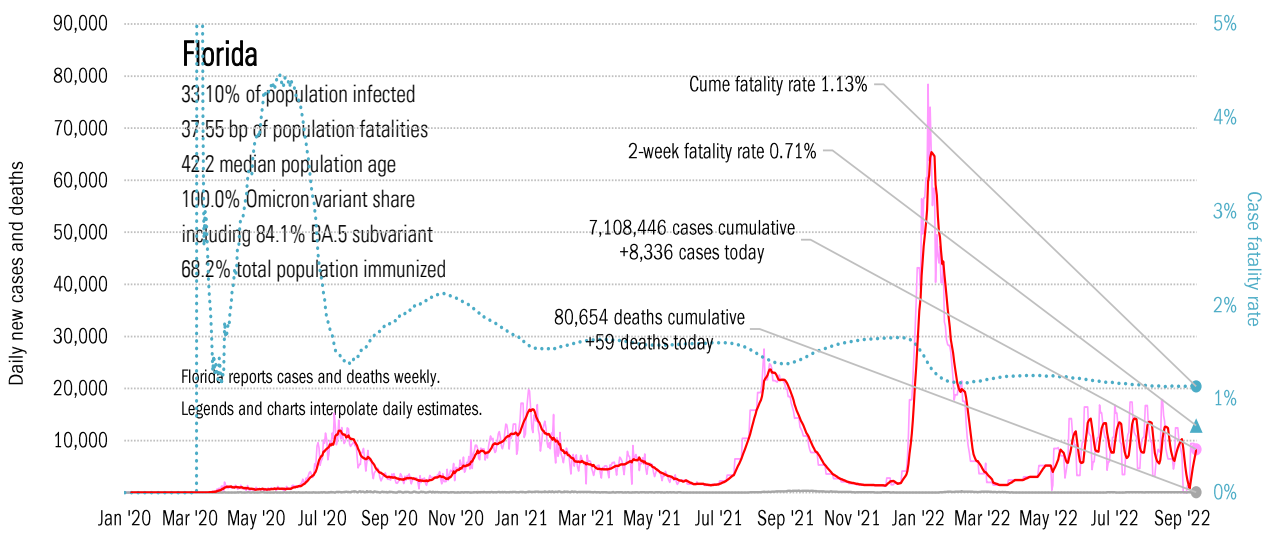
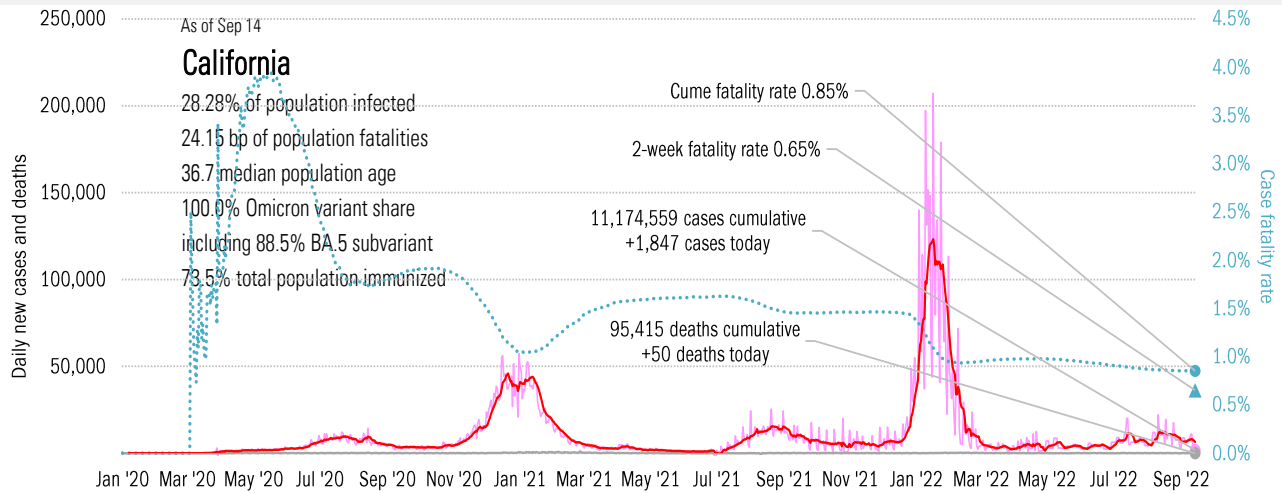
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

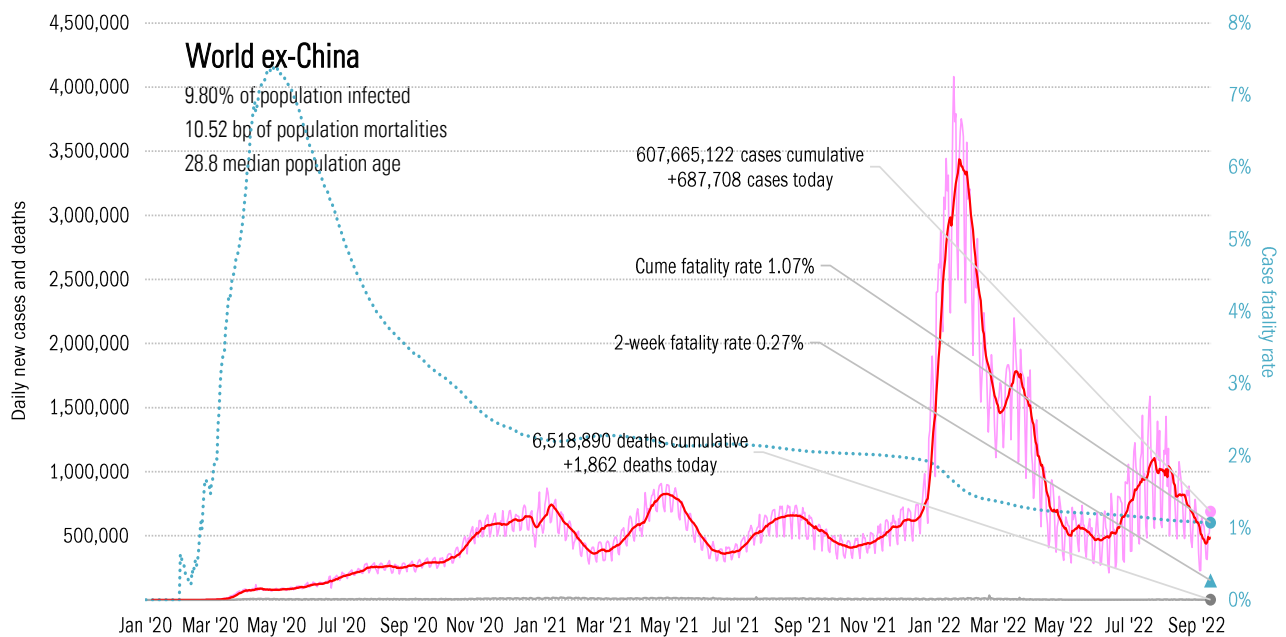
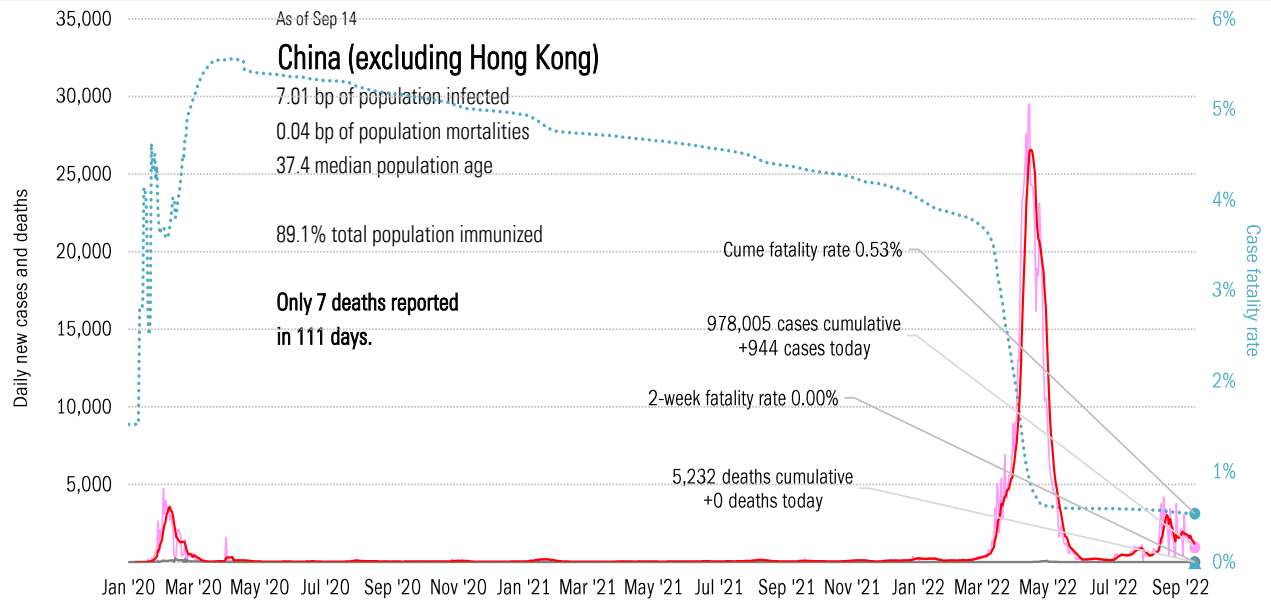
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

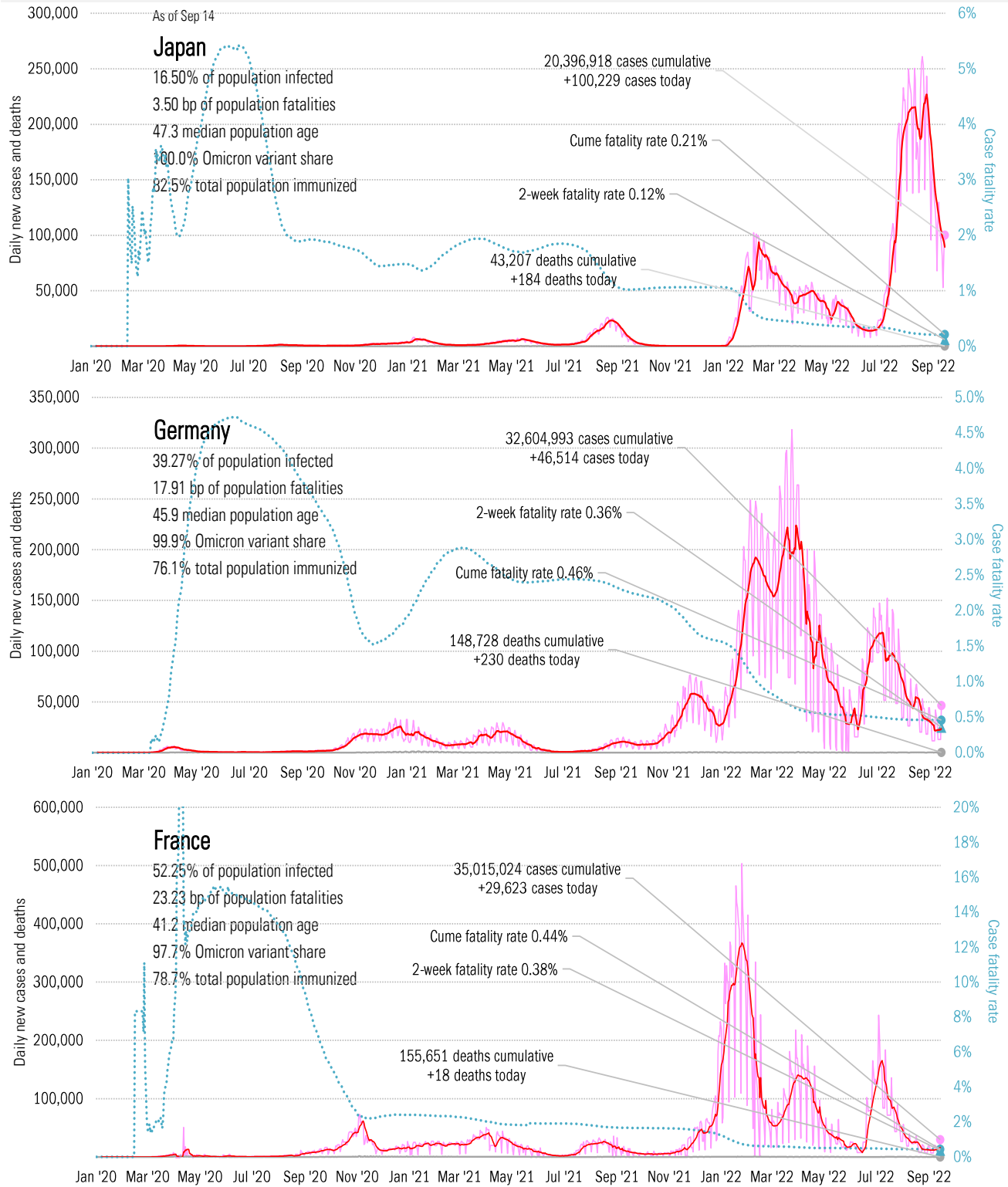
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

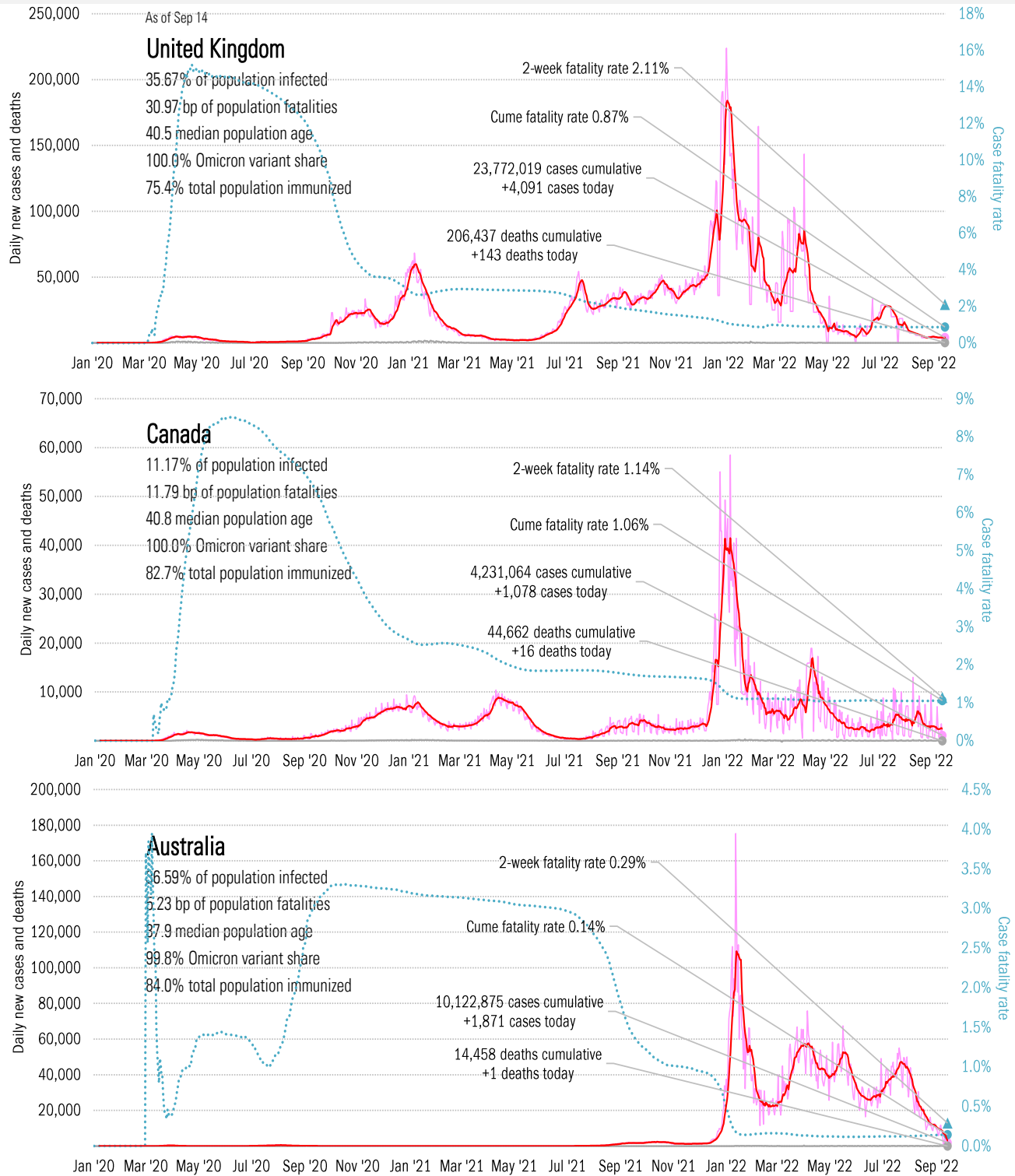
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

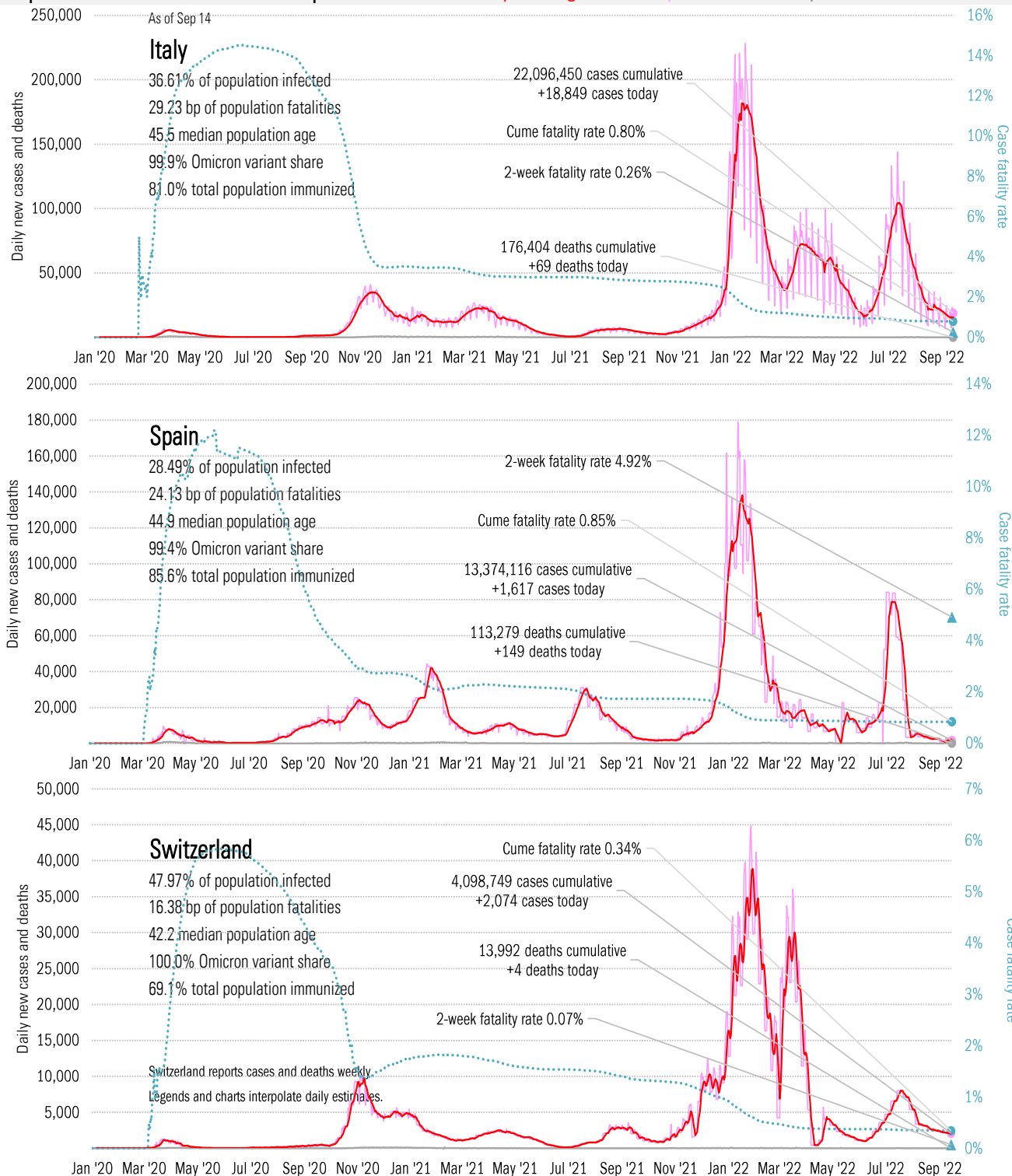
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

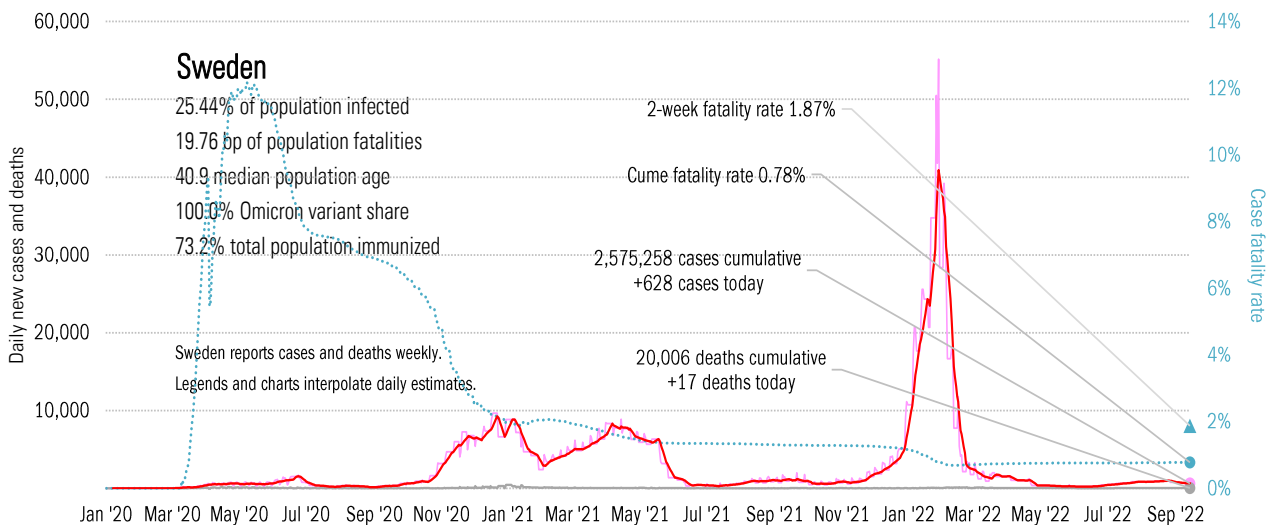
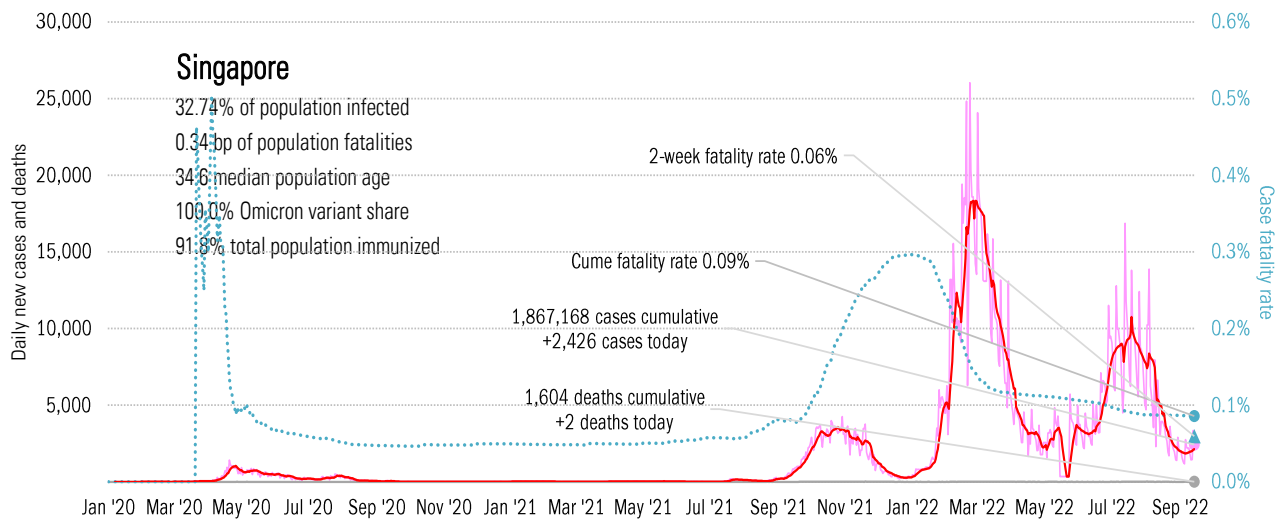
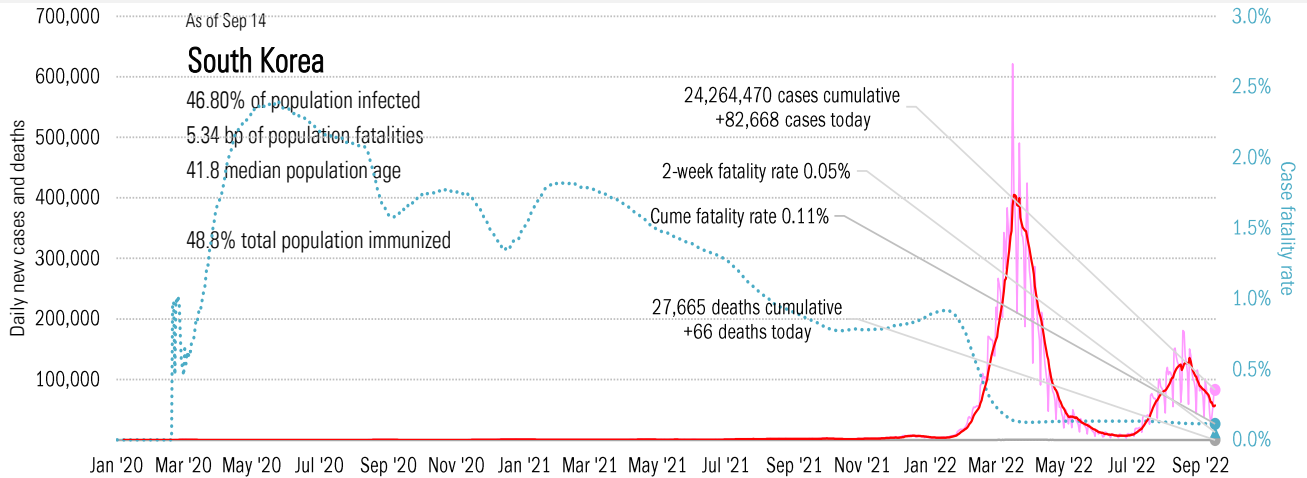
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

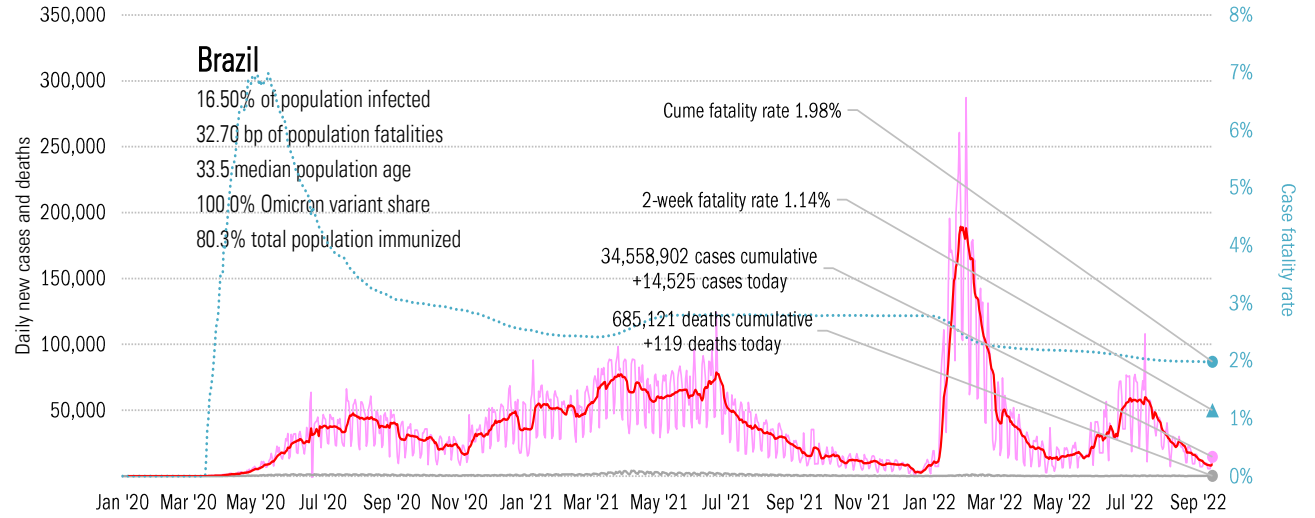
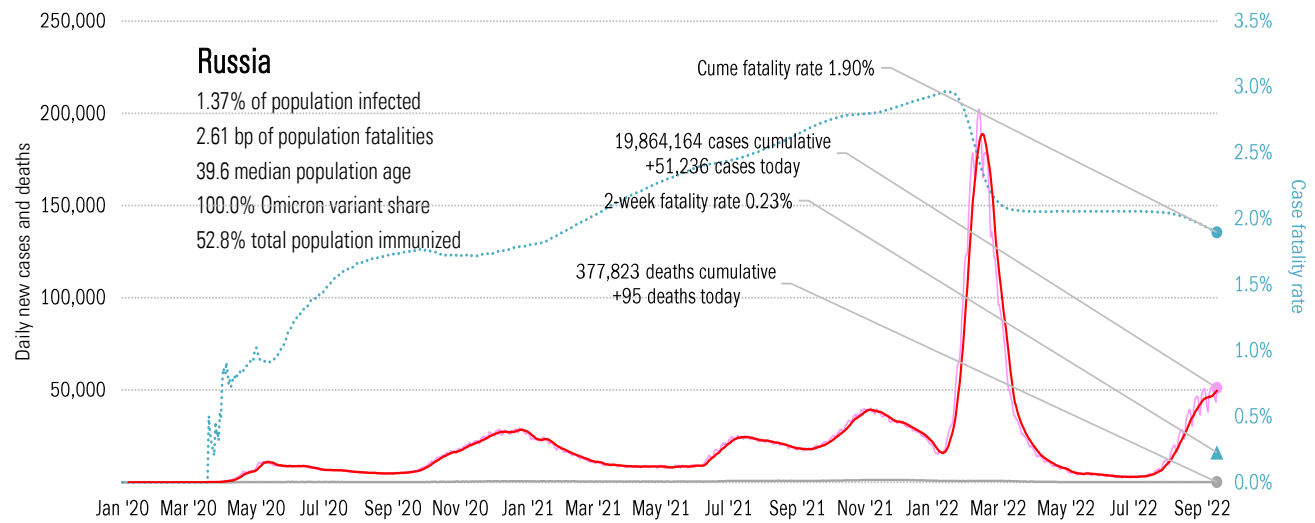
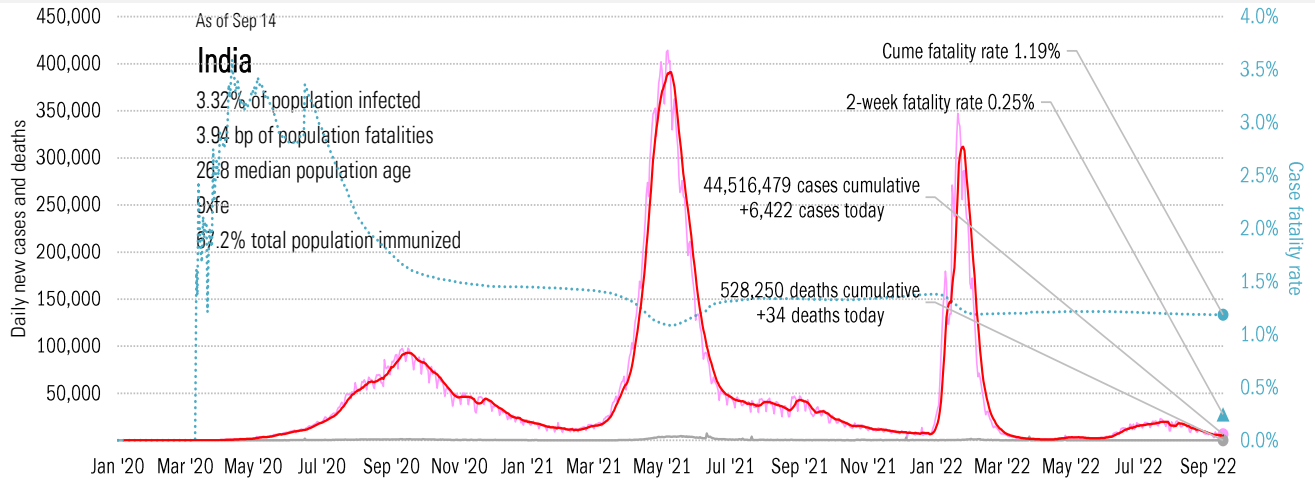
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

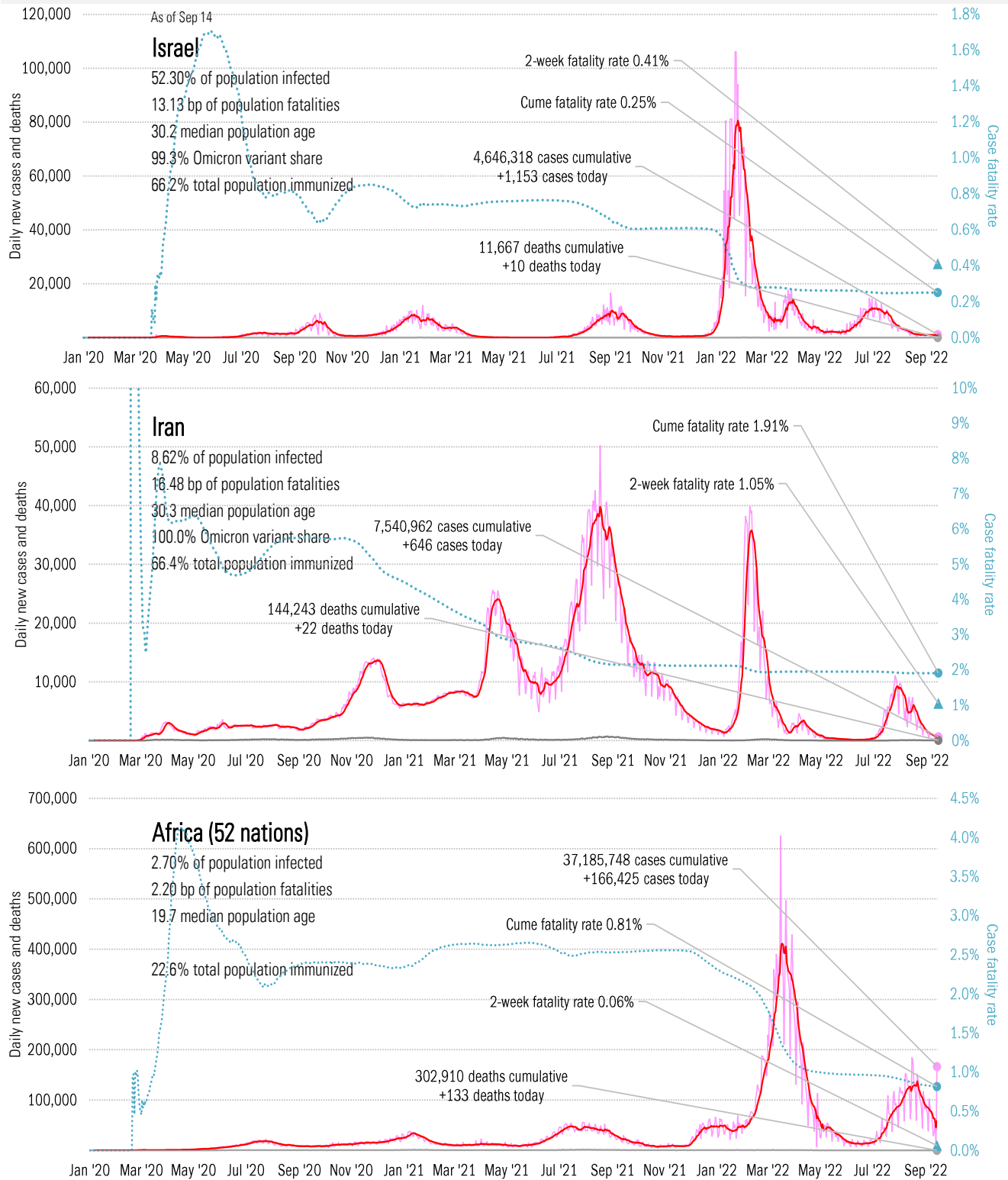
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

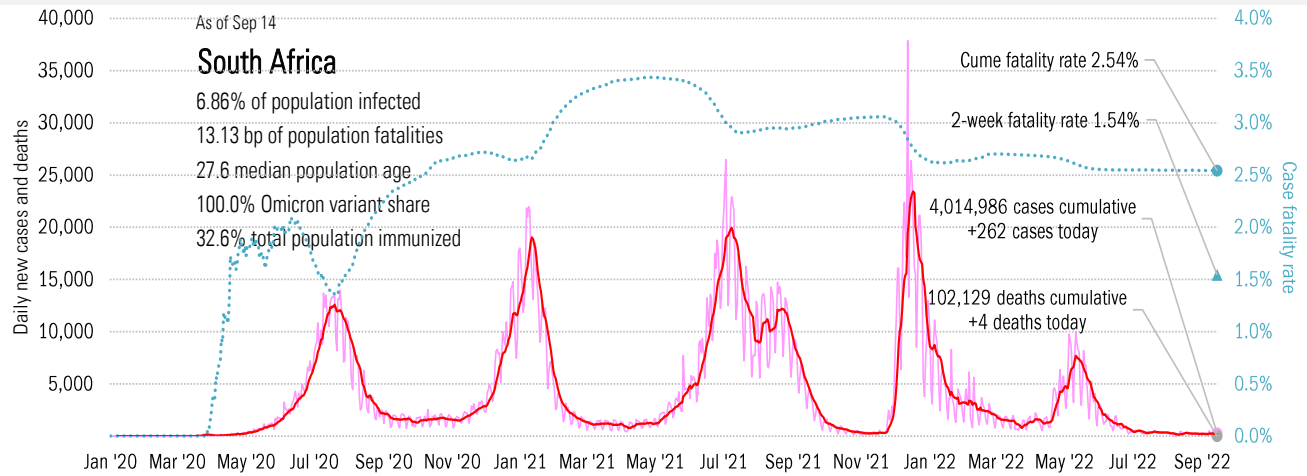
Cases: **7-day average** and **daily** Deaths: **Daily**



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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