

Data Insights: Covid-2019 Monitor

Wednesday, September 14, 2022

The global scorecard

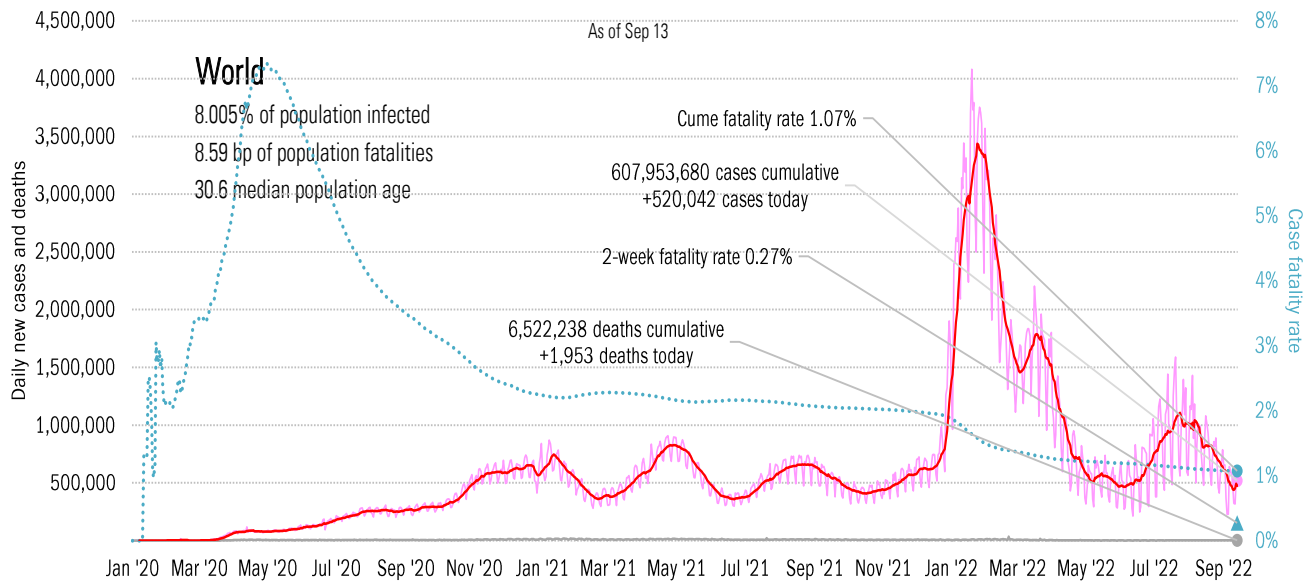
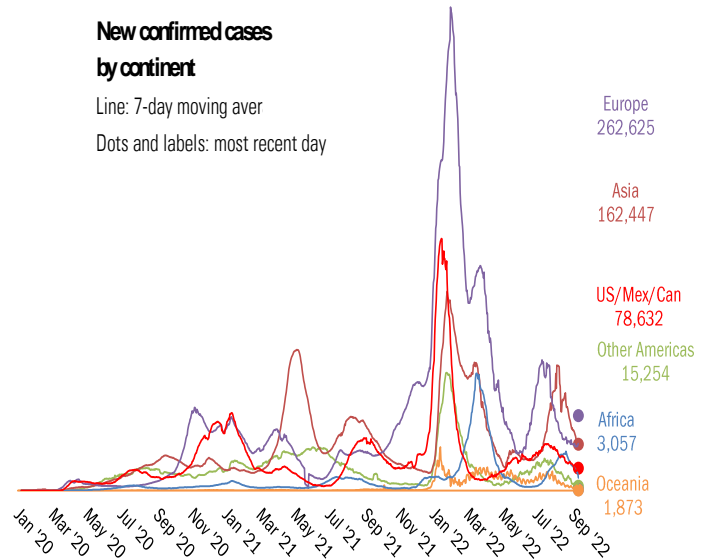
Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
Japan	87,526	United States	469
United States	73,521	Japan	220
Germany	51,299	Spain	149
Taiwan*	46,995	Greece	137
France	45,952	Germany	109
Russia	43,542	Brazil	104
Greece	33,829	Russia	99
Italy	23,158	Italy	93
Switzerland	13,816	France	64
Brazil	10,420	Philippines	40
430,058		1,484	
World	520,042	World	1,953
Top ten	83%	Top ten	76%

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

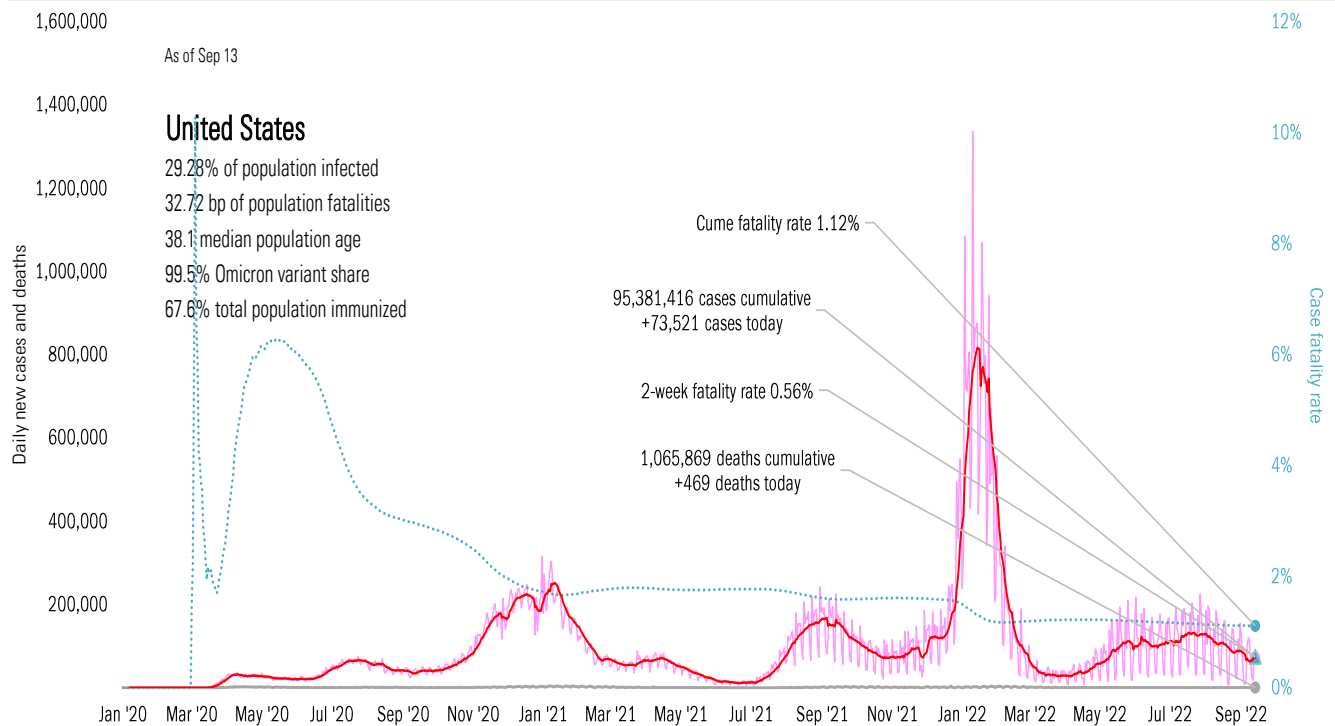
The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use			
SC	9,106		NY	56		PA	191		CA	11,172,712		CA	95,365		TX	540,968		RI	89%		AK	92%	
FL	8,336		FL	48		TX	368		TX	7,928,513		TX	90,529		CA	493,924		MA	85%		NM	82%	
NY	3,407		MI	28		LA	59		FL	7,100,109		FL	80,595		FL	488,346		DE	84%		NC	81%	
TN	3,306		WA	26		ME	22		NY	6,039,105		NY	71,419		NY	294,626		MO	82%		TX	81%	
CT	3,110		VA	21		MT	18		IL	3,725,426		PA	46,831		GA	224,062		WA	82%		AL	81%	
CH	3,104		IL	19		OK	64		PA	3,203,488		GA	39,875		CH	215,246		AK	82%		MA	79%	
NC	2,926		WI	19		MA	90		NC	3,141,302		CH	39,576		PA	200,855		GA	81%		RI	79%	
MI	2,625		CT	17		NH	16		CH	3,096,557		IL	39,480		IL	184,067		MN	81%		DC	78%	
IL	2,511		MD	17		AR	40		GA	2,883,318		MI	38,317		MI	160,106		DC	80%		GA	78%	
WA	2,458		PA	16		UT	20		MI	2,804,588		NJ	34,642		KY	143,596		MD	80%		NE	78%	
40,890			267			888			51,095,118			576,629			2,945,796								
All states	73,521			469			3,727		All states	95,381,416			1,065,869			5,343,721		All states	70%			67%	
Top ten	56%			57%			24%		Top ten	54%			55%			55%		Median	75%			71%	

Some states not reporting

Five most improved US states

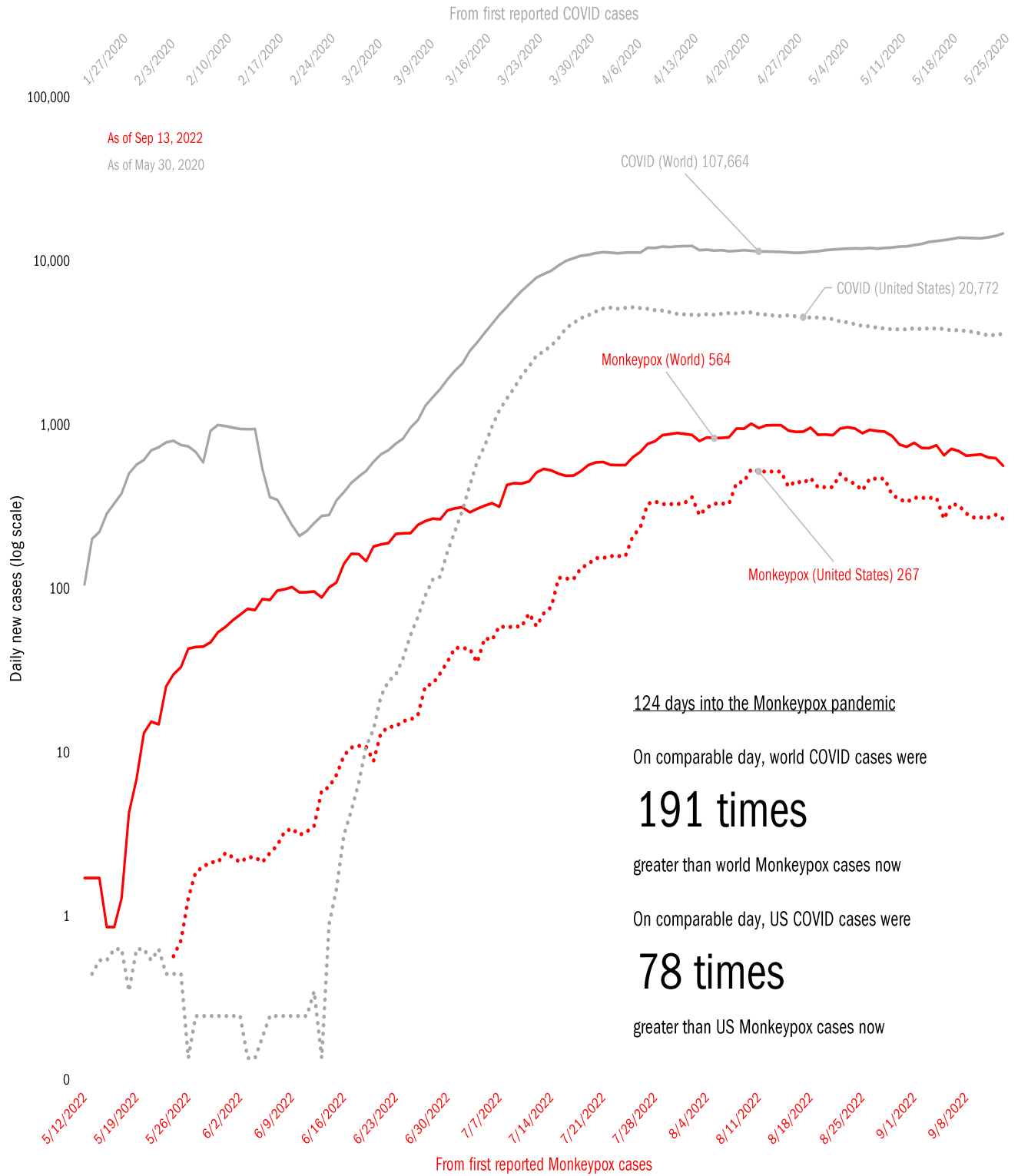
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-4,793	FL	-31	MD	-70
TX	-3,841	CA	-22	IL	-58
CA	-2,861	TX	-20	CA	-39
VA	-2,394	NE	-14	IA	-30
WI	-1,512	OR	-6	NJ	-23



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

The Monkeypox contextualizer

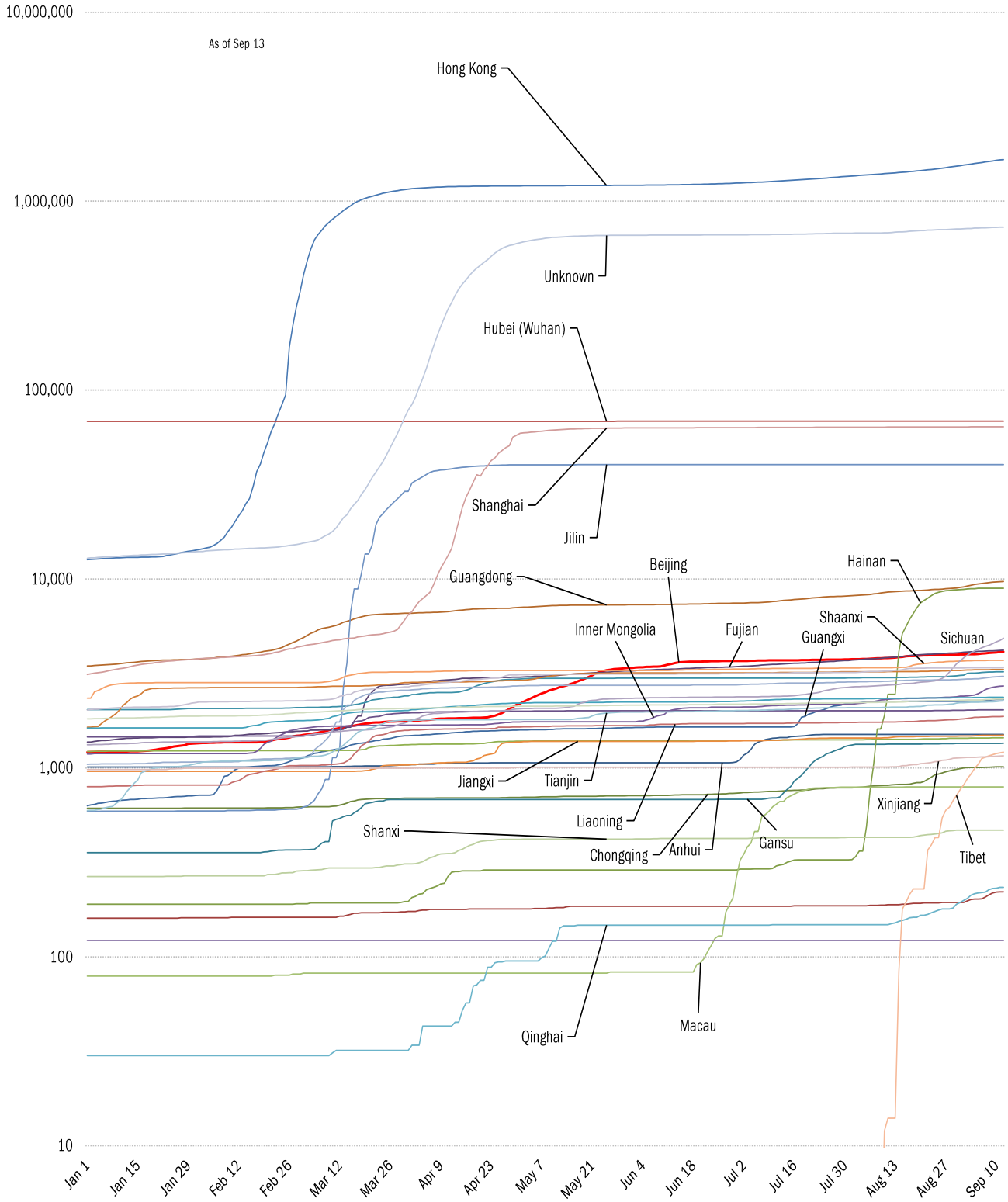
The course of case growth versus COVID



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

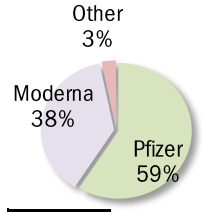
Rolling out the vaccines in the US and the world

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%

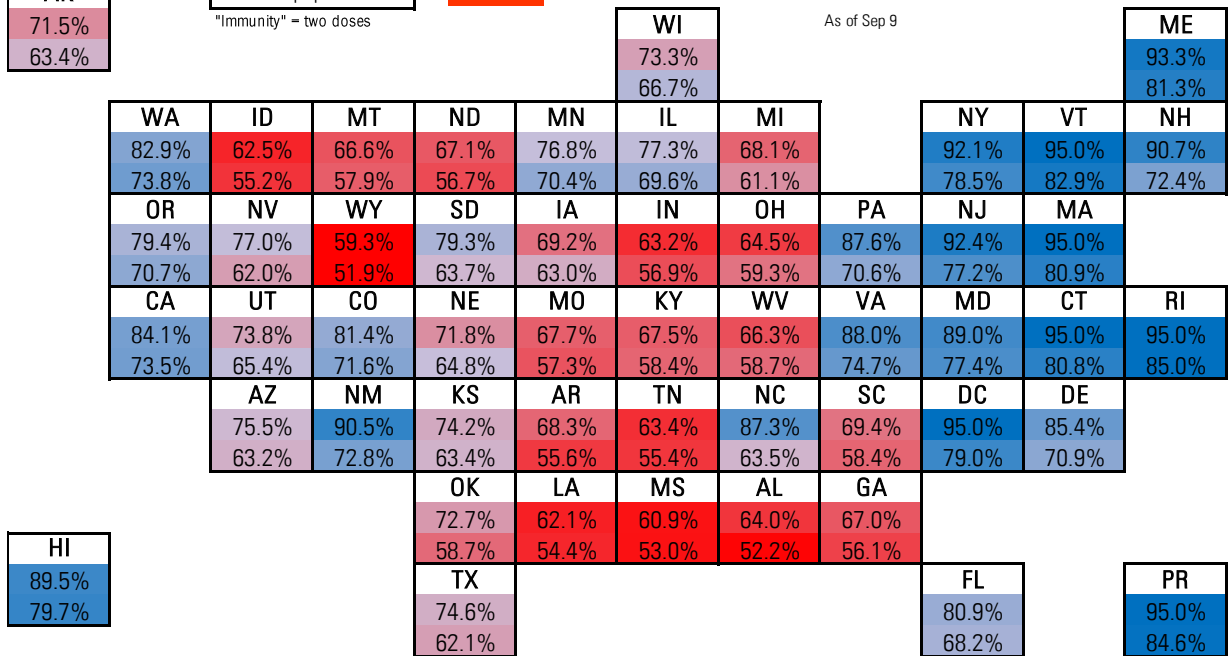
Global data differs due to sources, timing



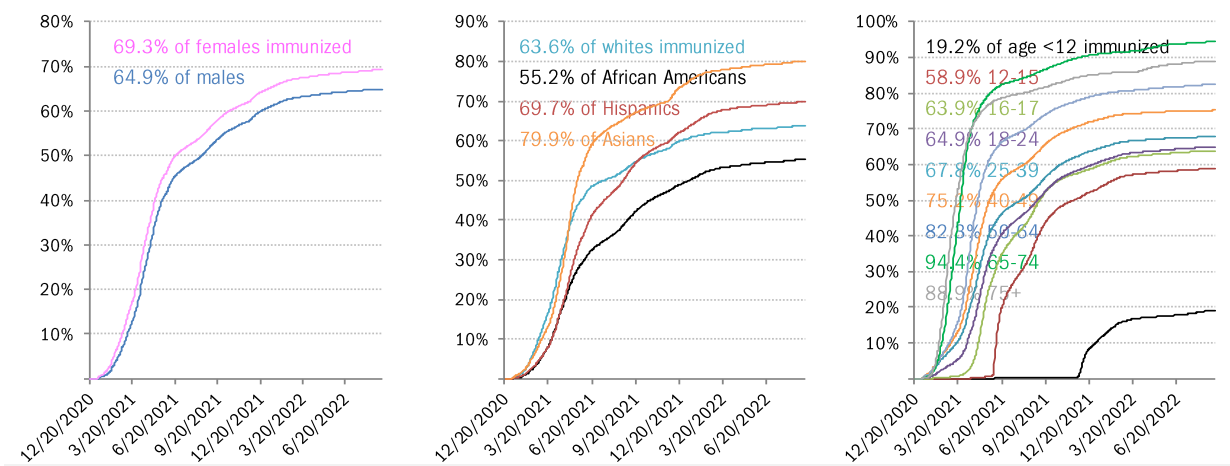
State	Full immunity as % population
AK	71.5%
	63.4%

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

"Immunity" = two doses



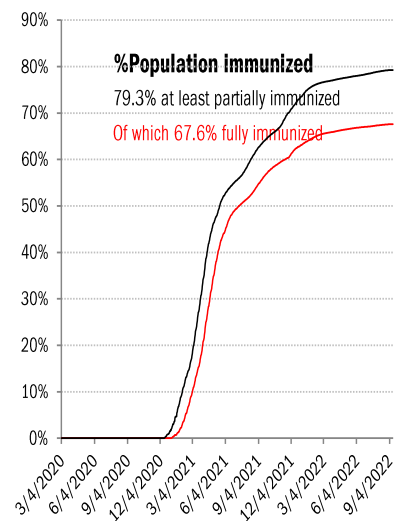
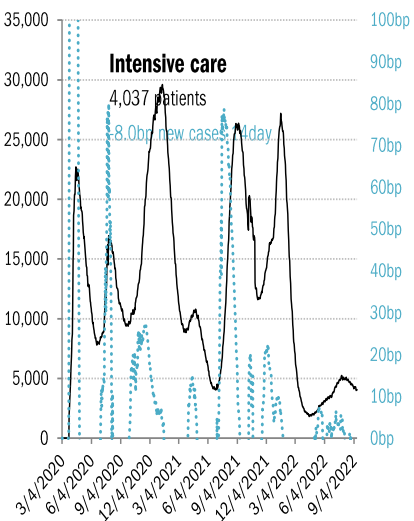
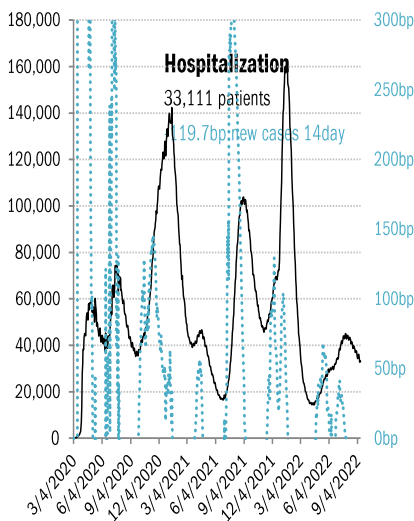
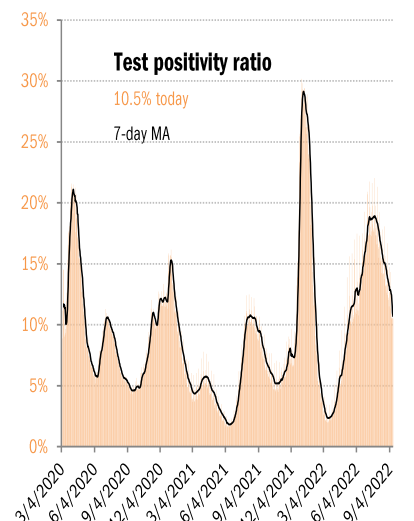
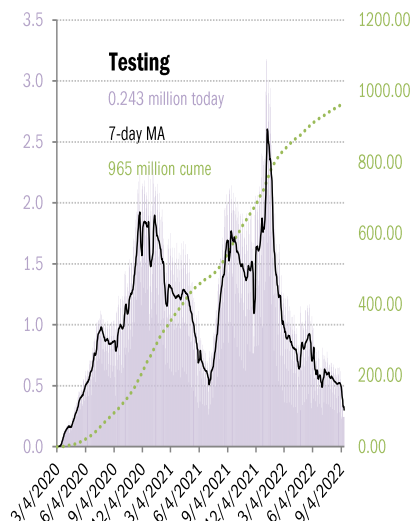
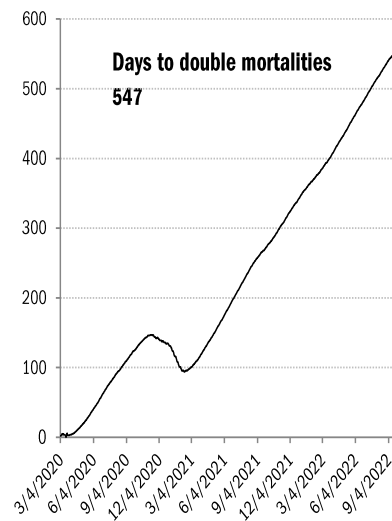
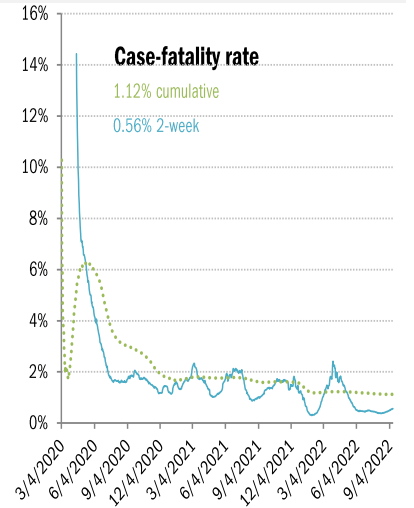
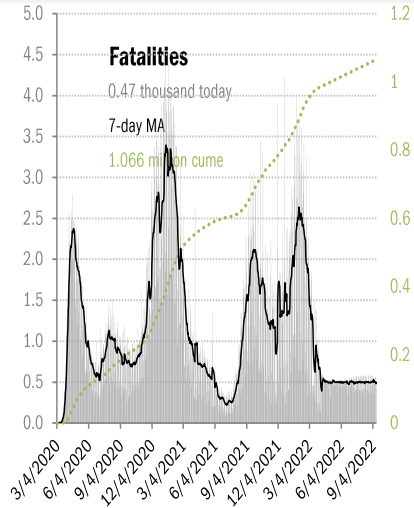
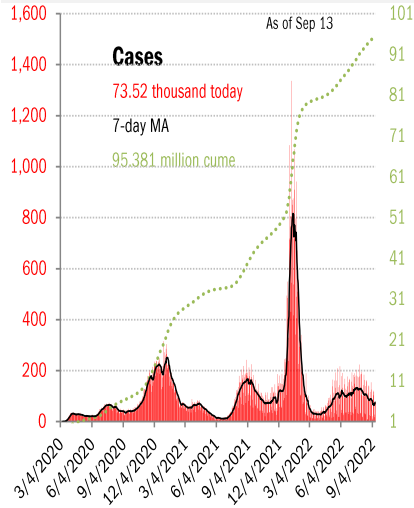
The demographics of US vaccination



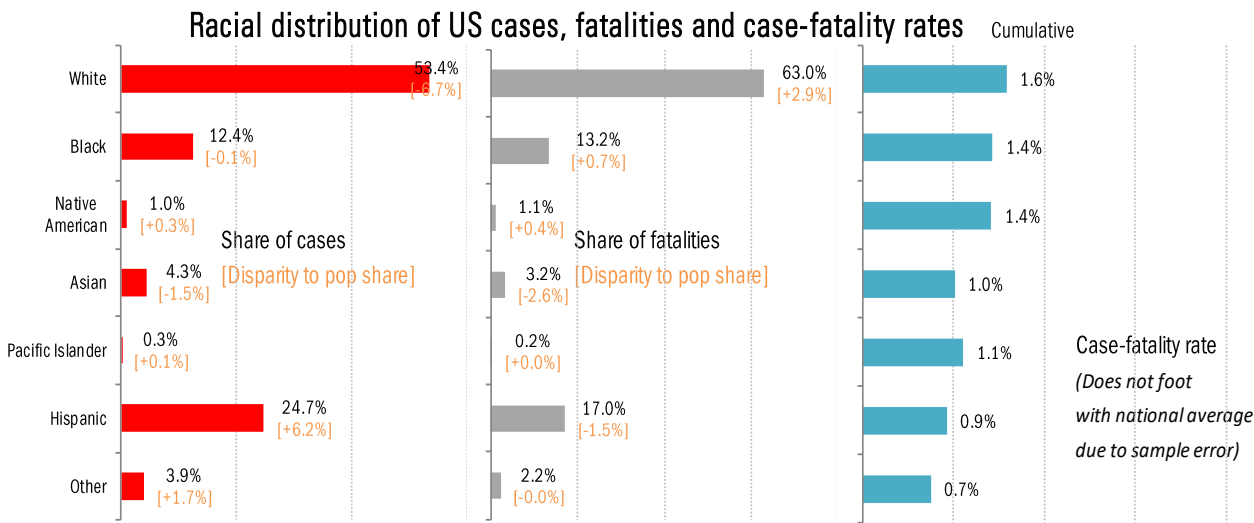
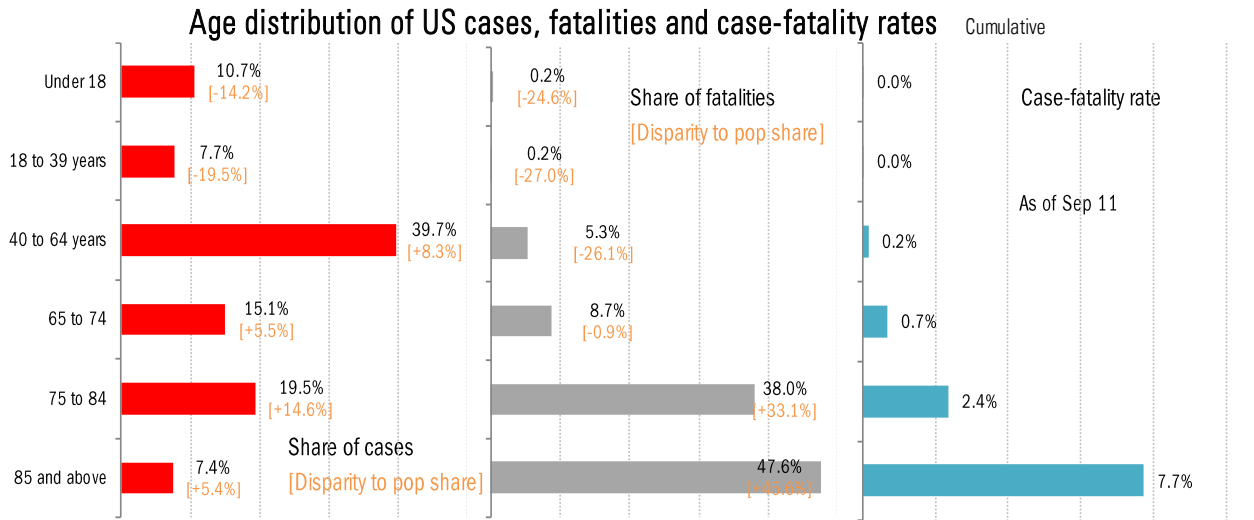
Source: CDC, CDC, Our World in Data, TrendMacro calculations

US deep-dive

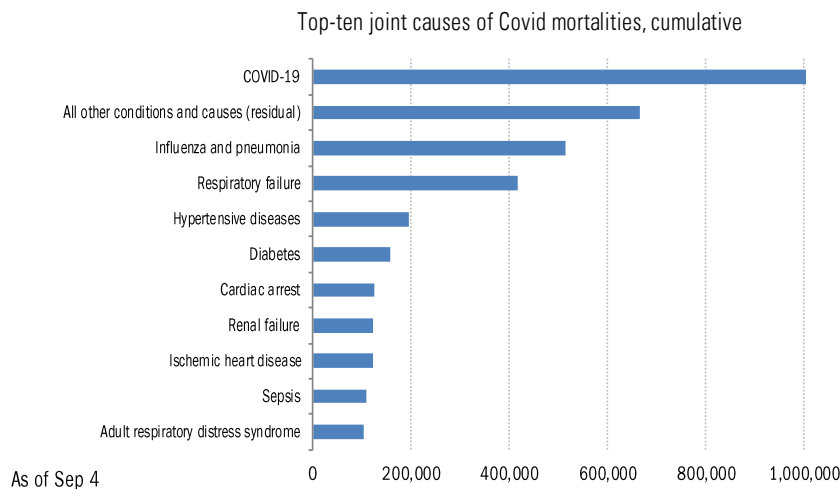
National and state-by-state data do not line up because of different sources



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

[Court rehears fight over vaccine mandate for federal workers](#)

Kevin McGill
AP
September 13, 2022

[Navy quietly rolled back punishments for SEALs seeking religious exemptions to the COVID vaccine](#)

Kelly Laco
Fox News
September 13, 2022

[How federal COVID-19 relief funded Ohio police](#)

Tyler Buchanan
Axios
September 14, 2022

[Why Monkeypox Wasn't Another COVID-19](#)

Maggie Koerth
538
September 14, 2022

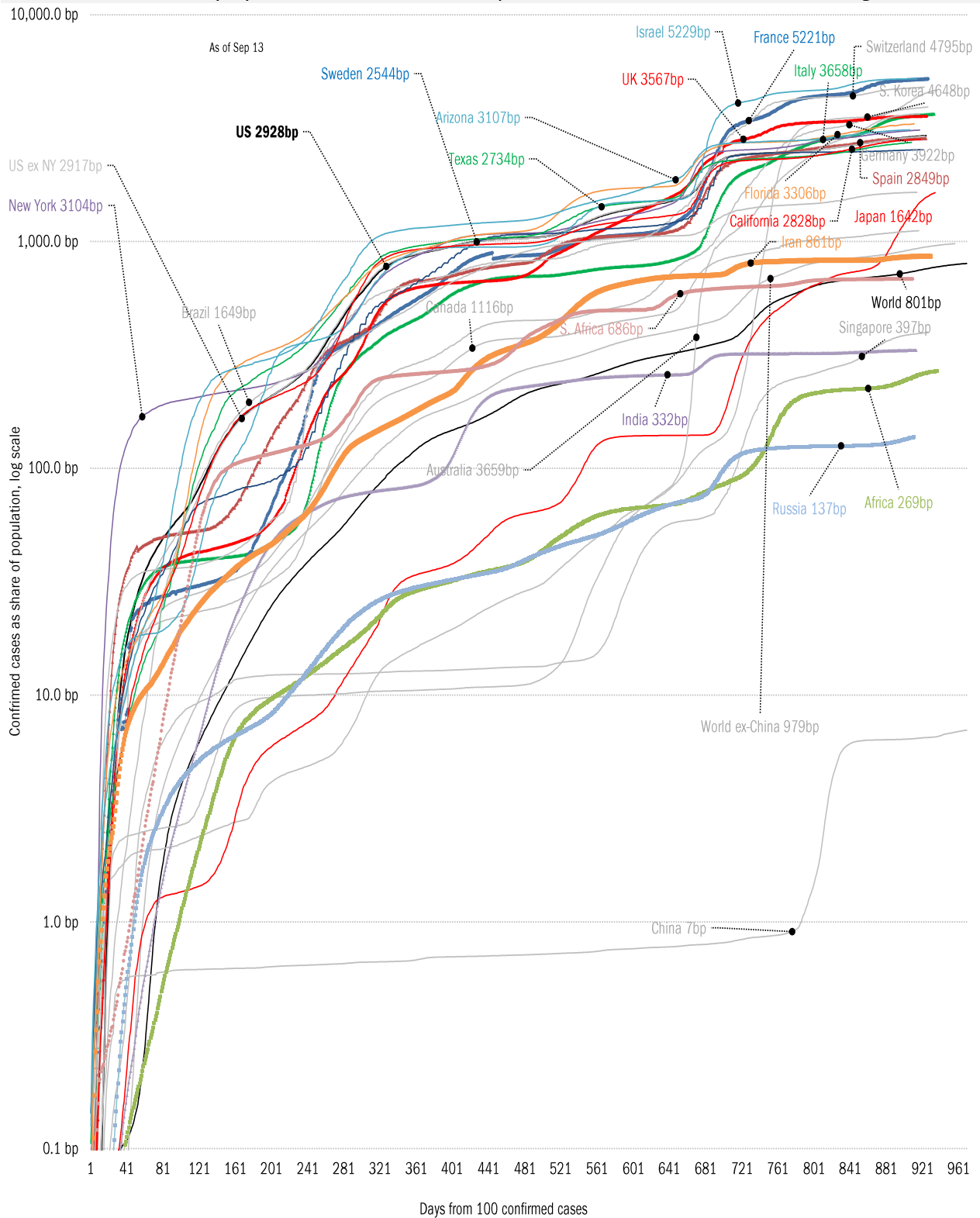
Meme of the day



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

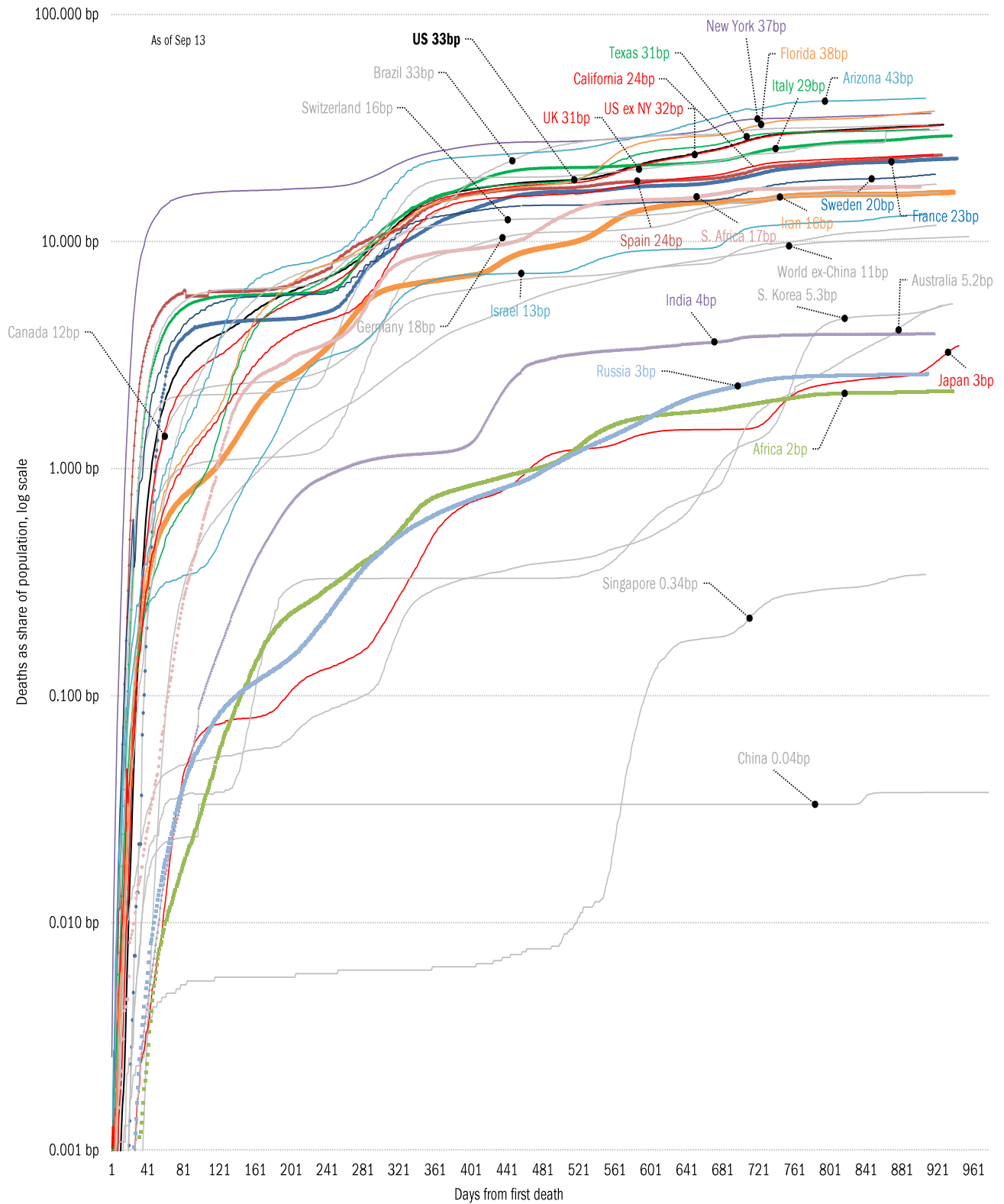
The global coronavirus case accelerometer... tracking the world's infection curves

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

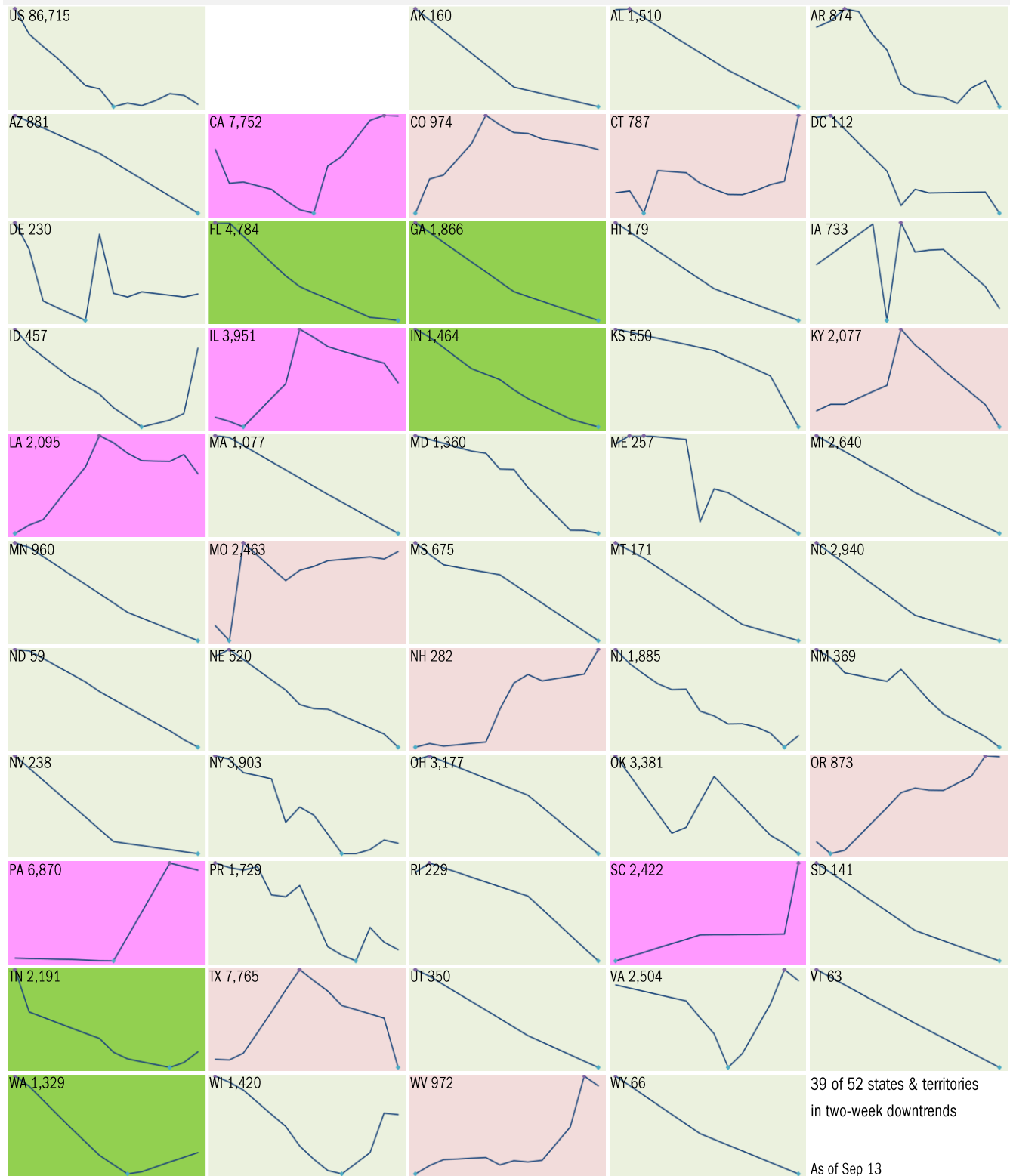


Source: [Johns Hopkins](#), TrendMacro calculations

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

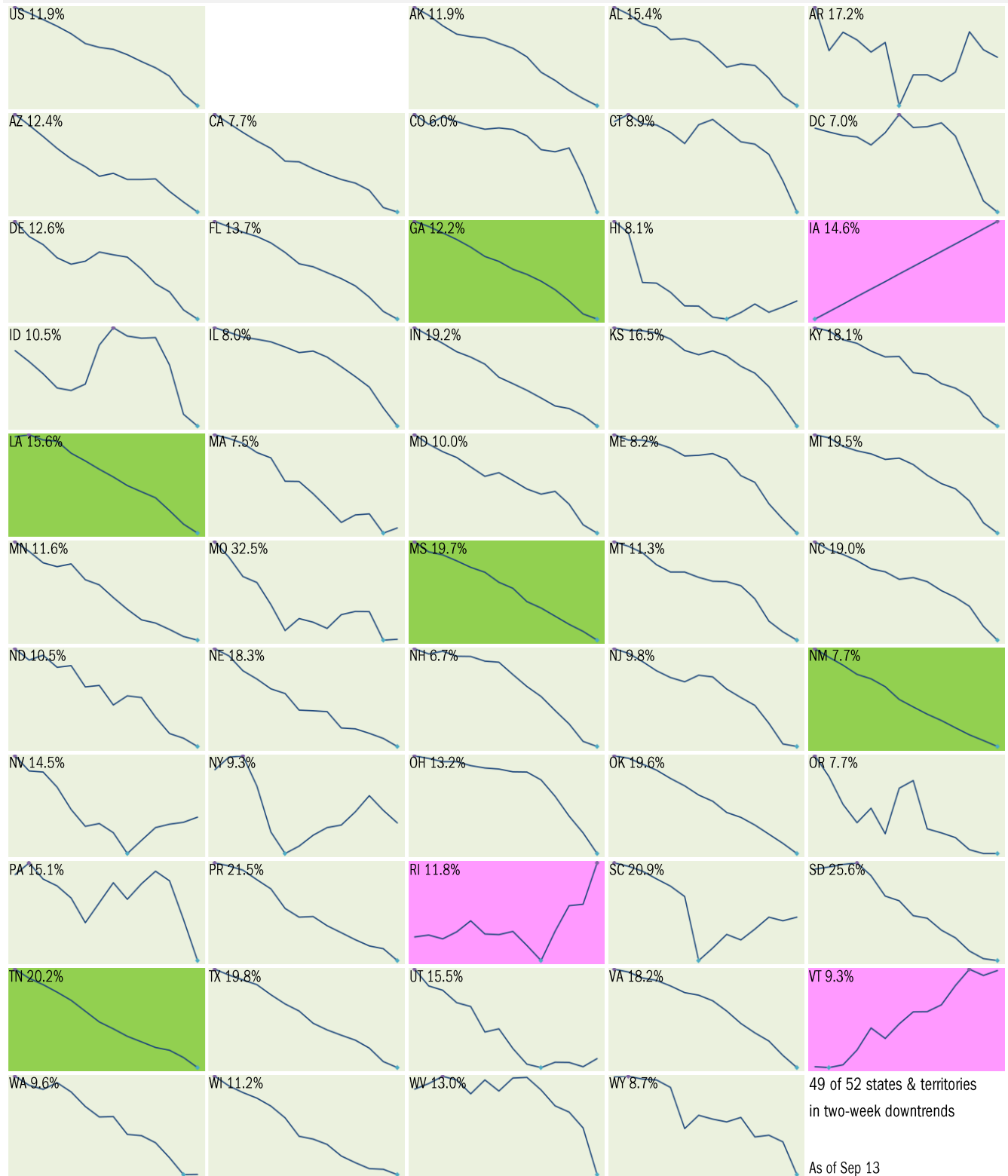


Source: [Johns Hopkins](#), TrendMacro calculations

14-day trajectory in test-positivity ratio

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

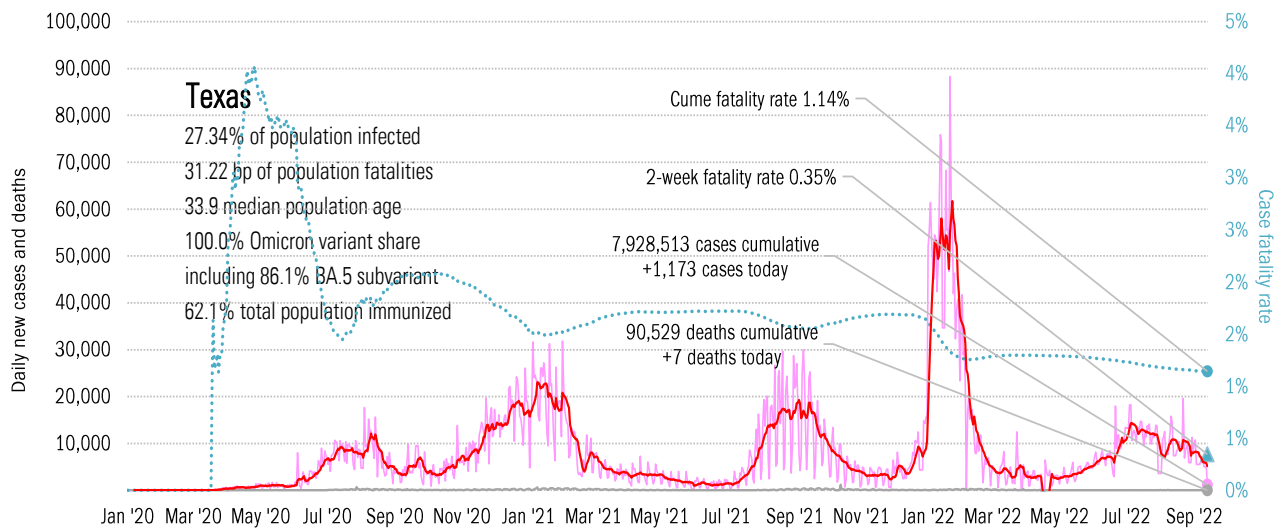
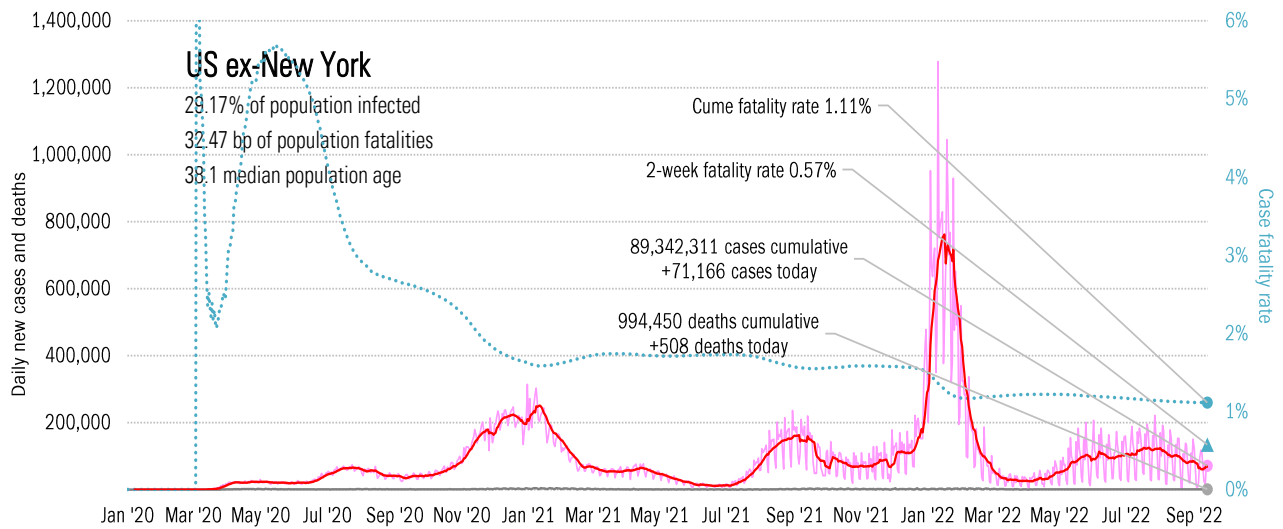
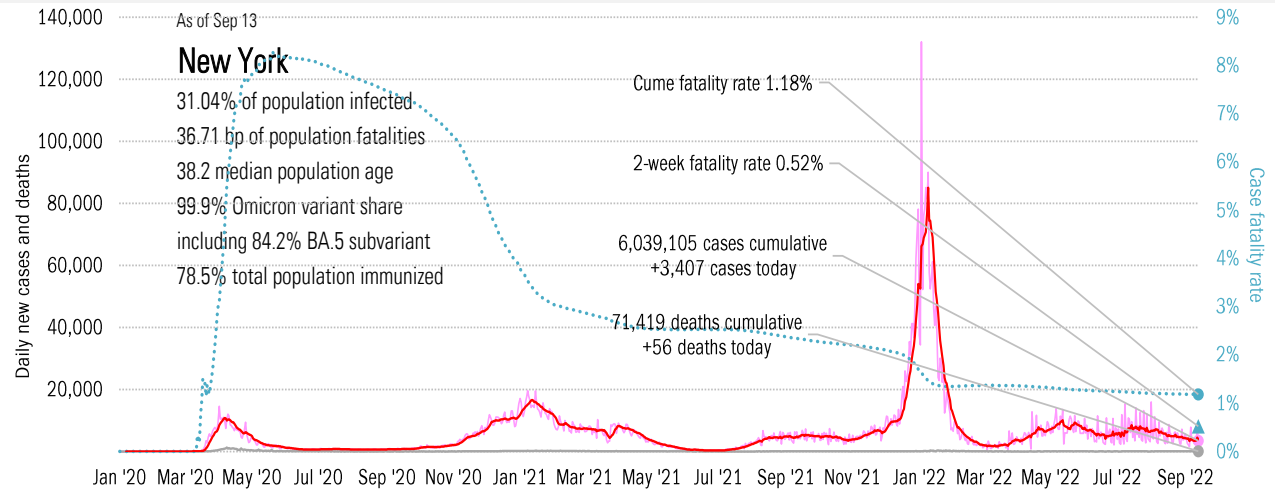
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

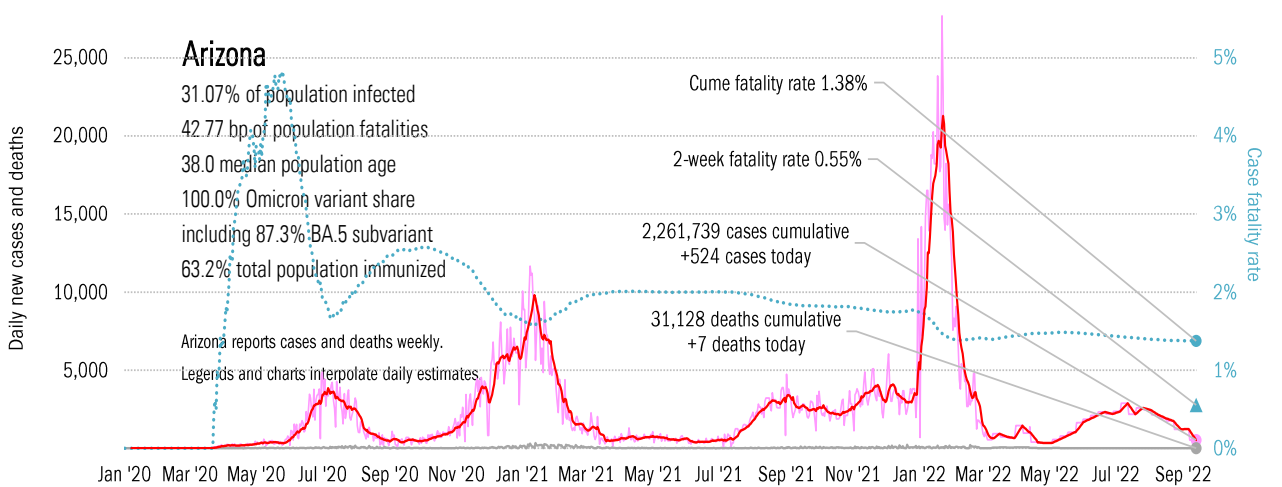
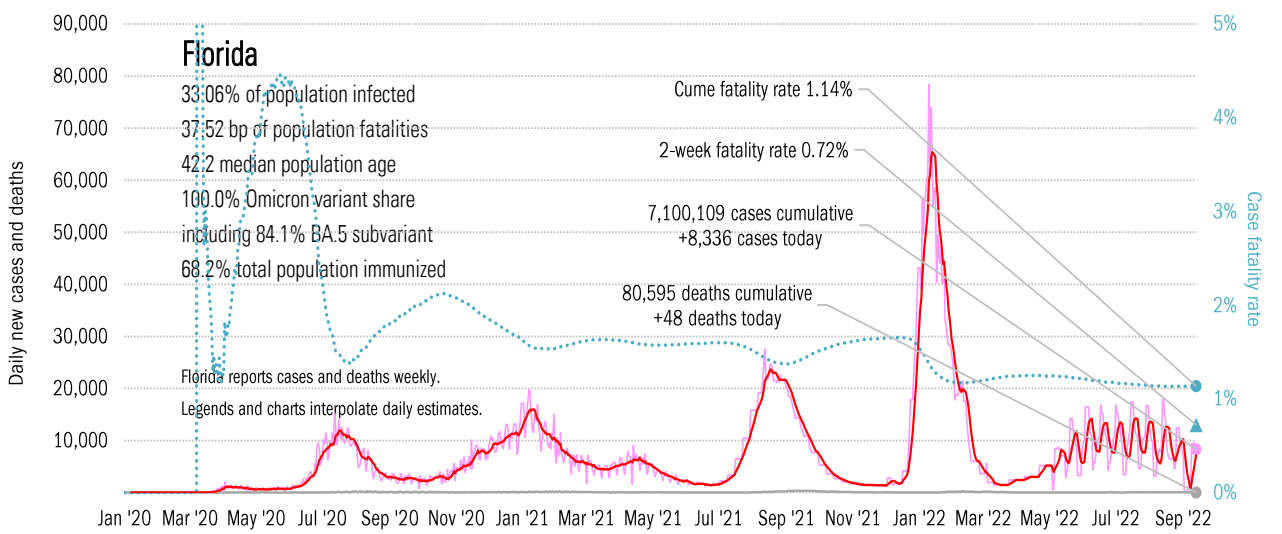
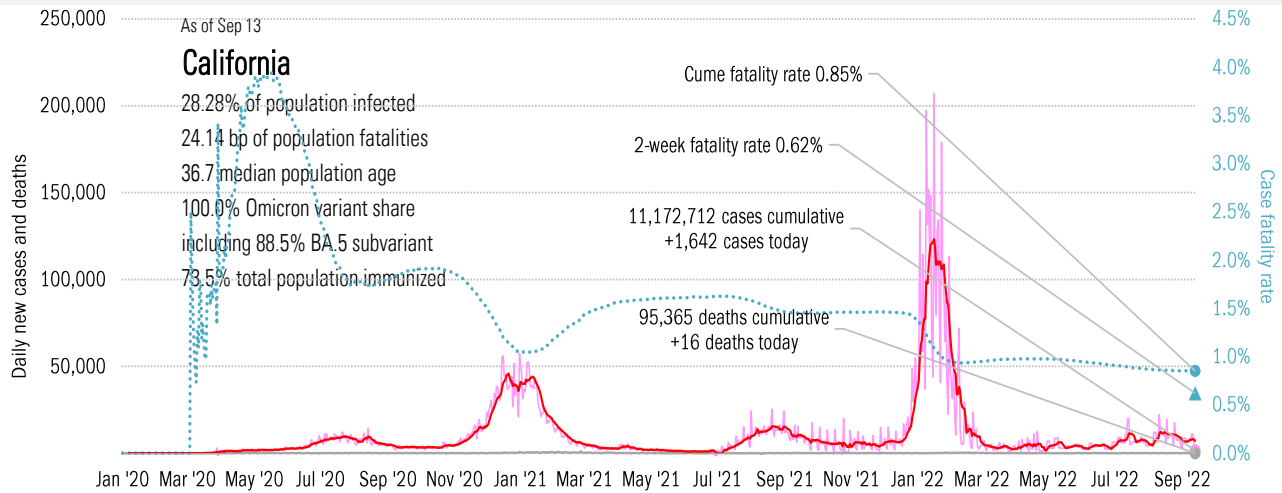
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

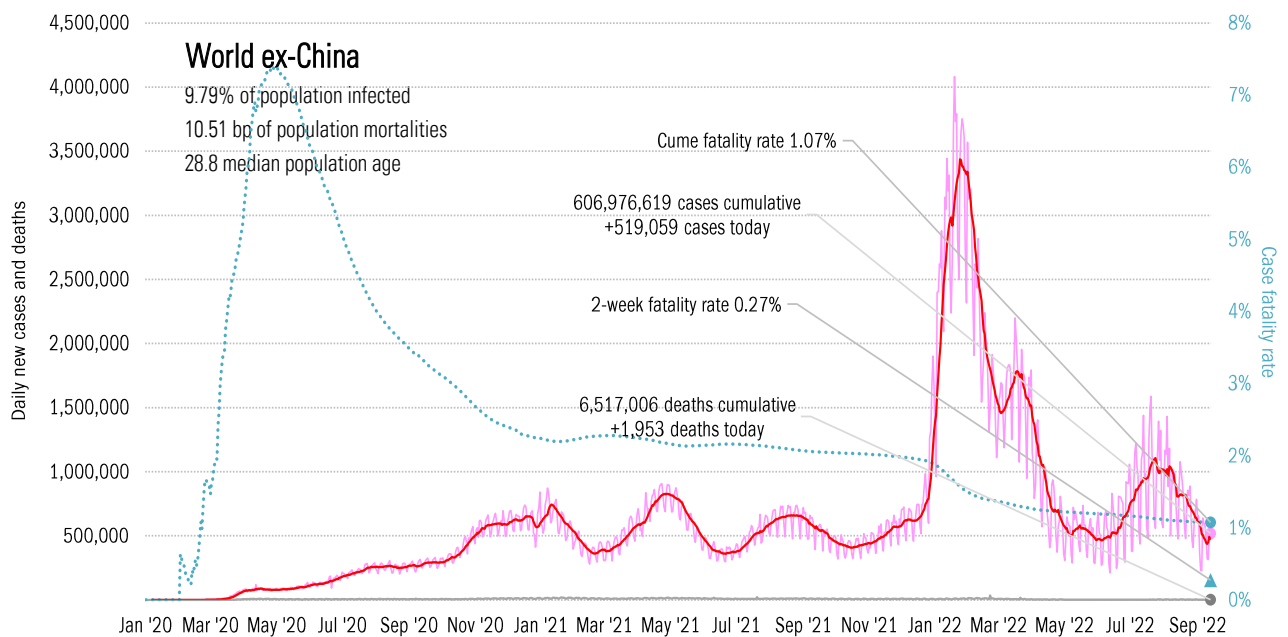
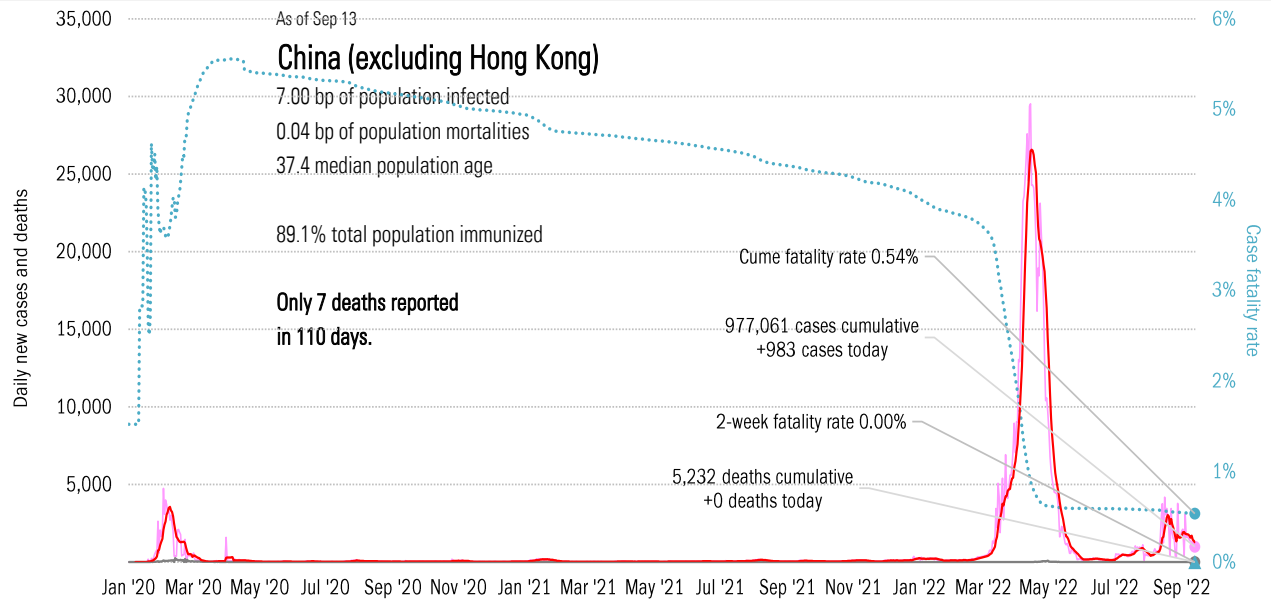
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

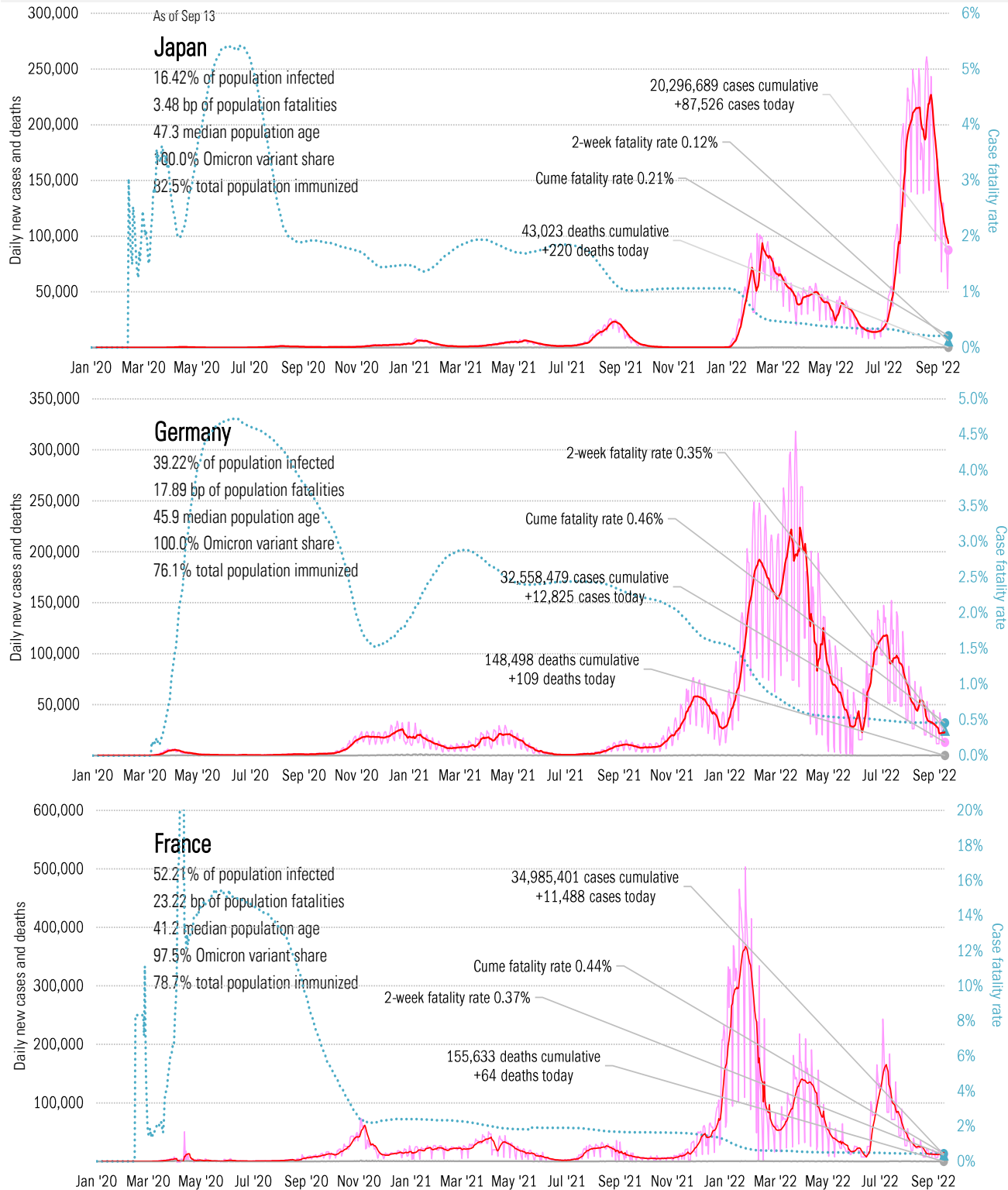
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

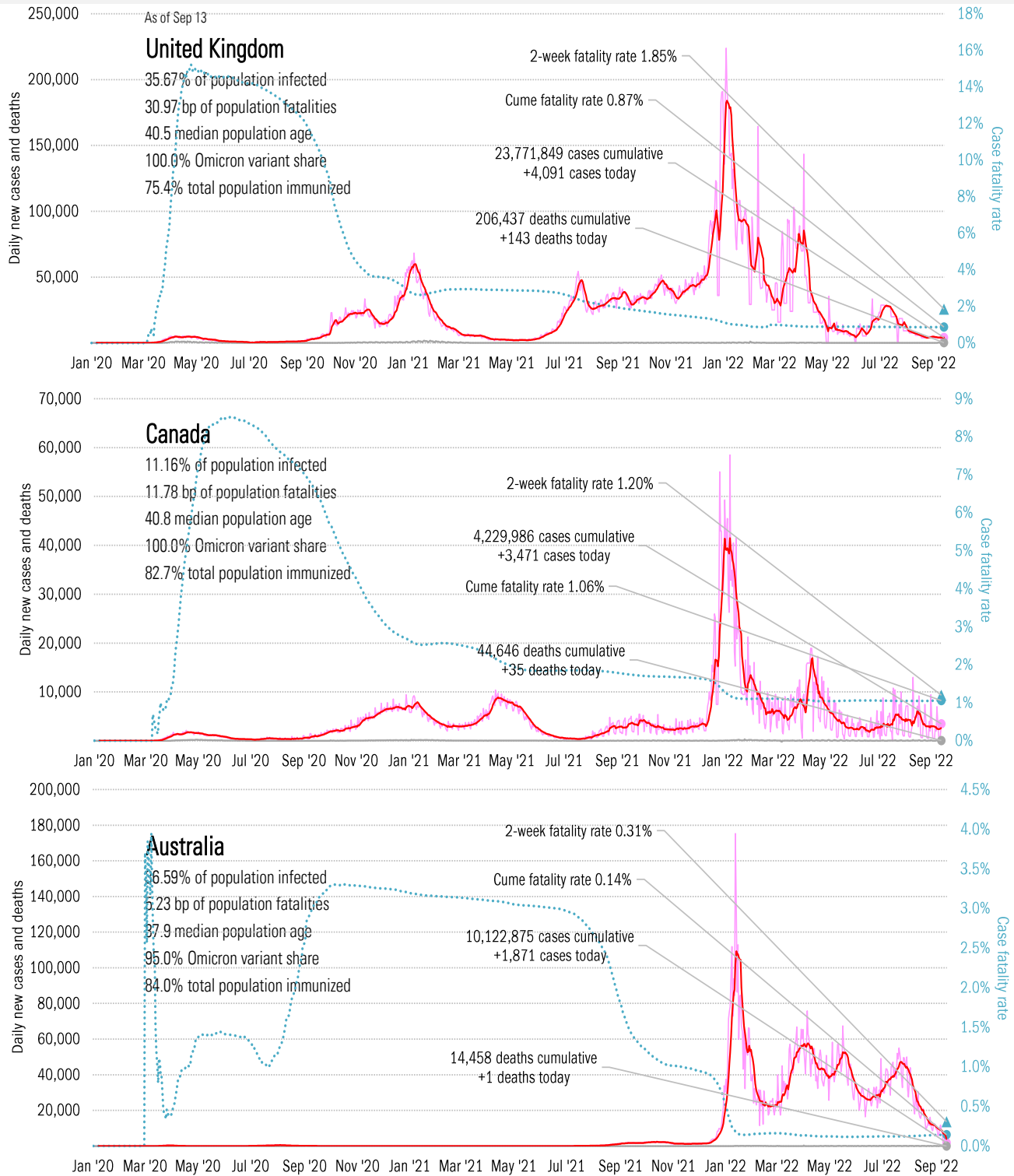
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

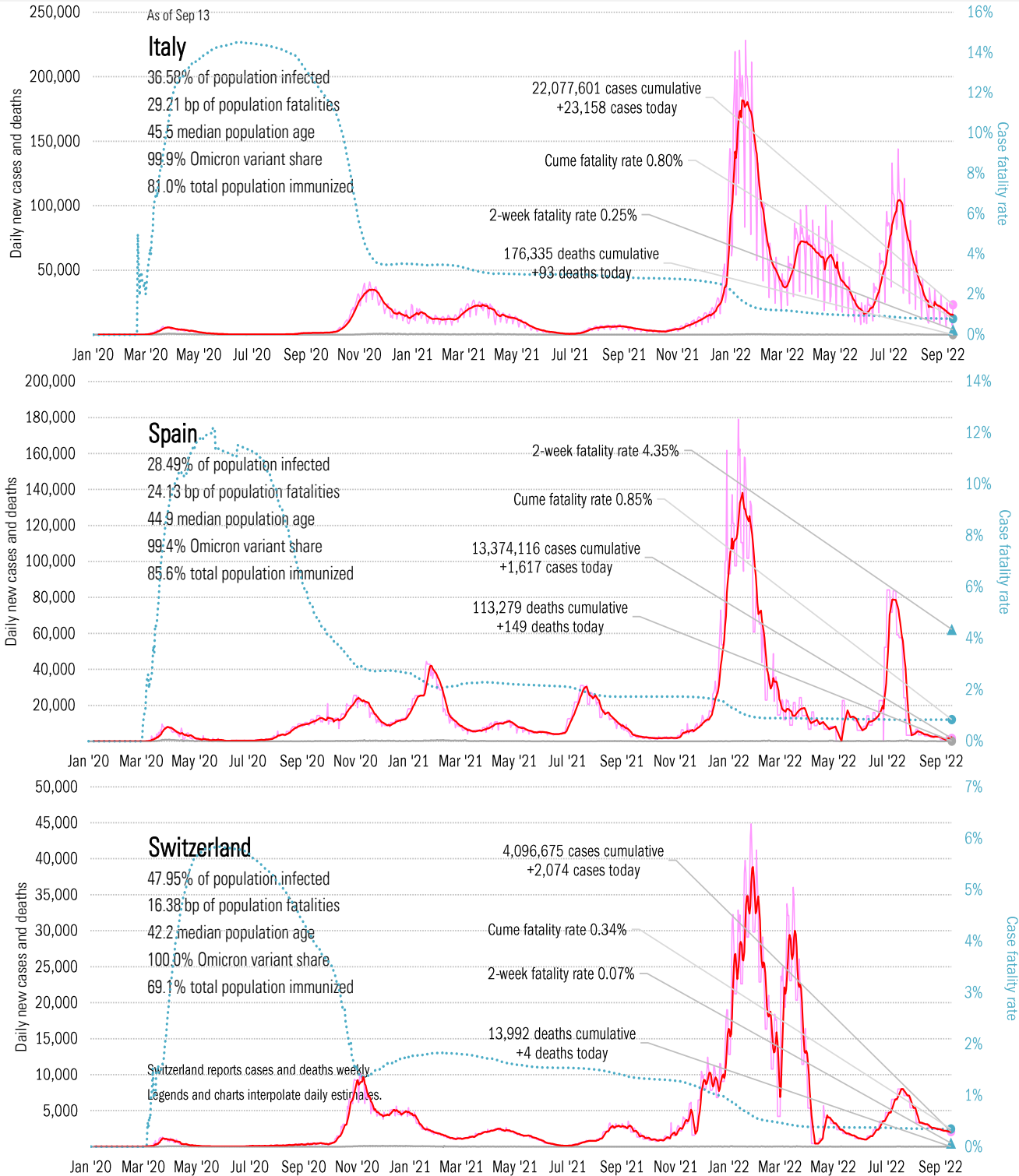
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

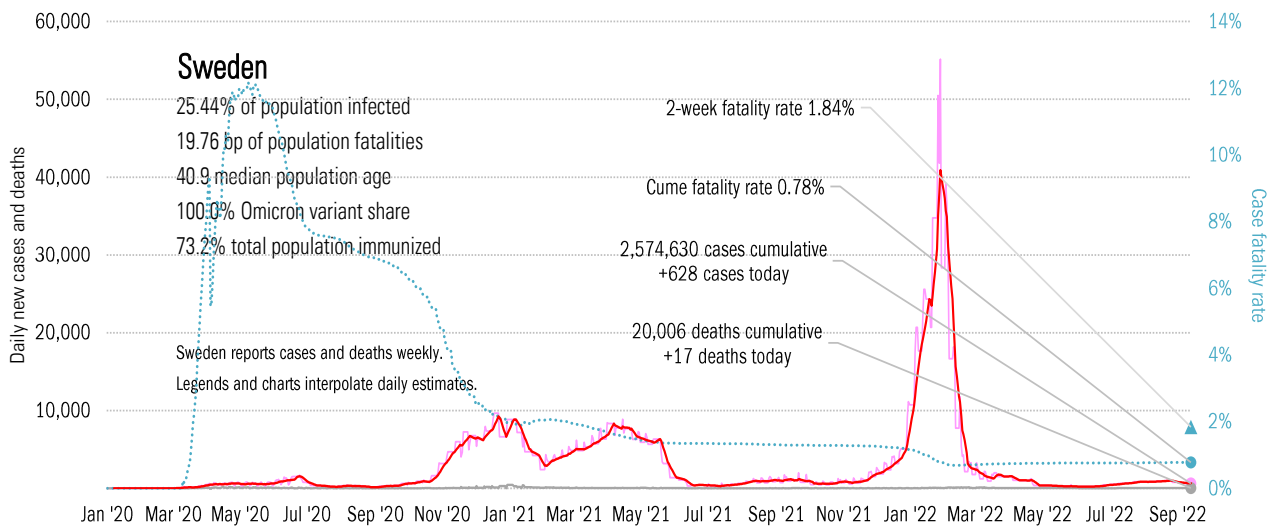
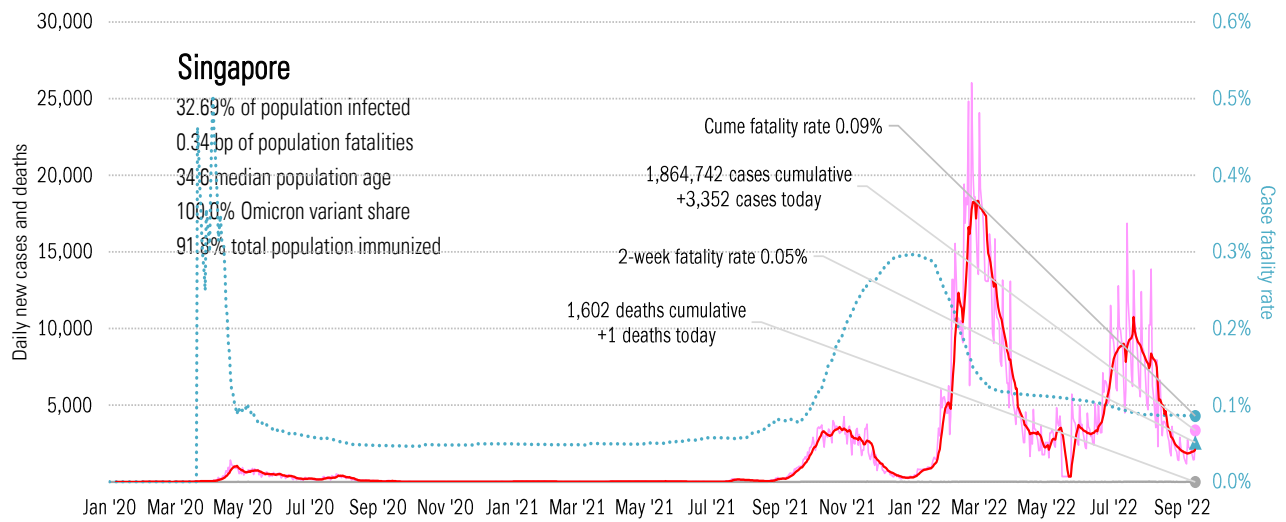
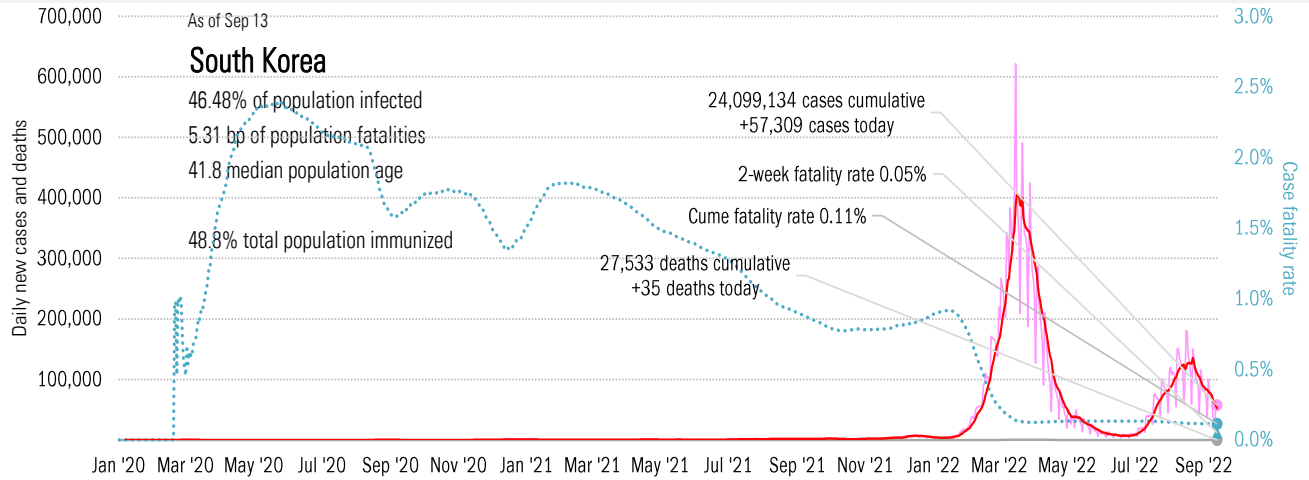
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

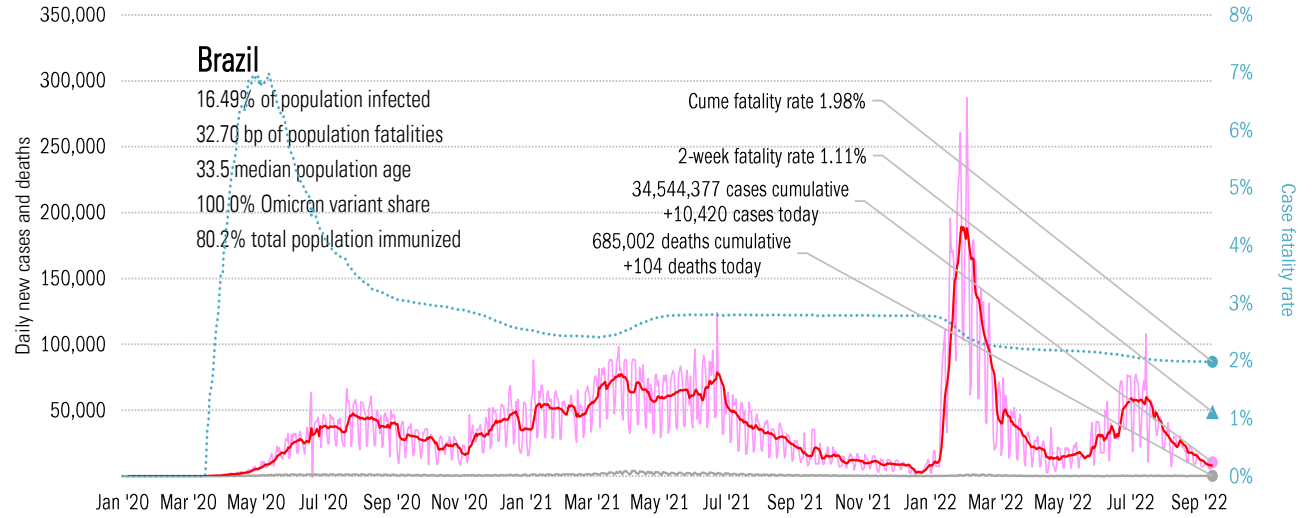
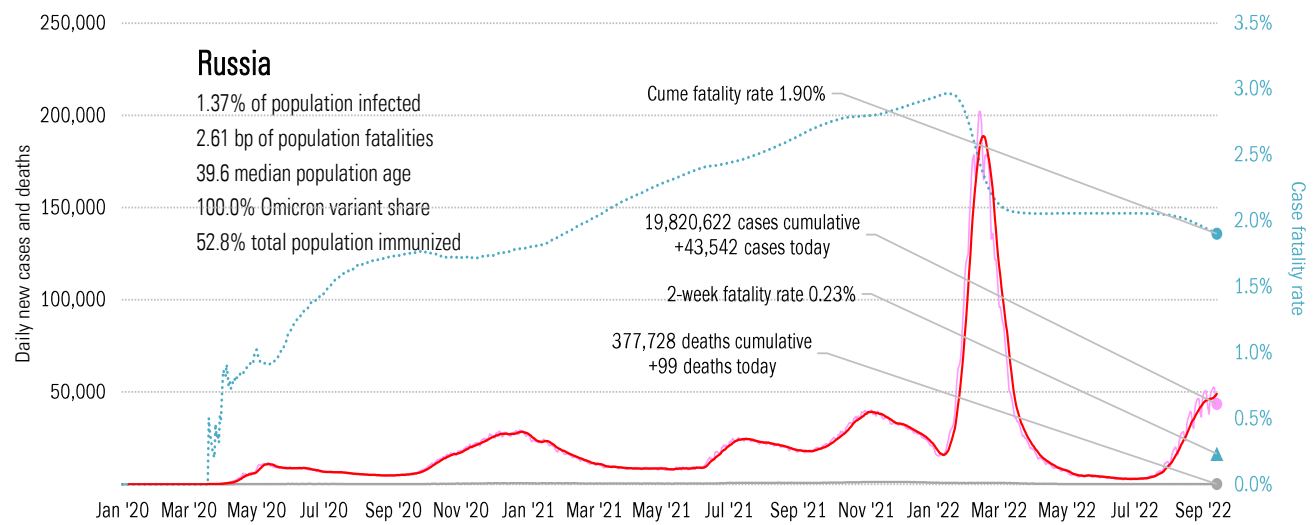
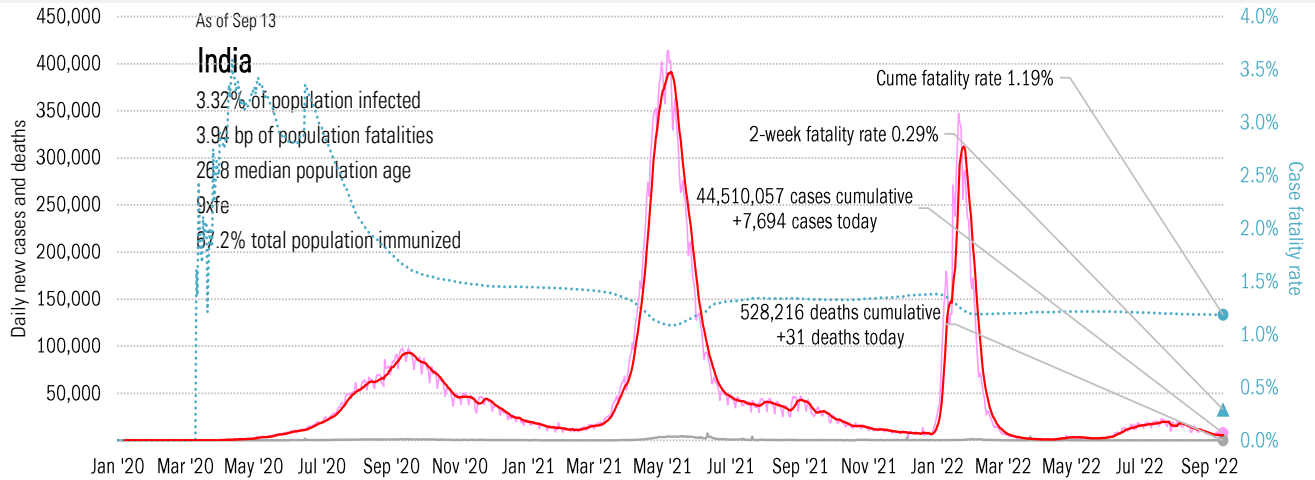
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

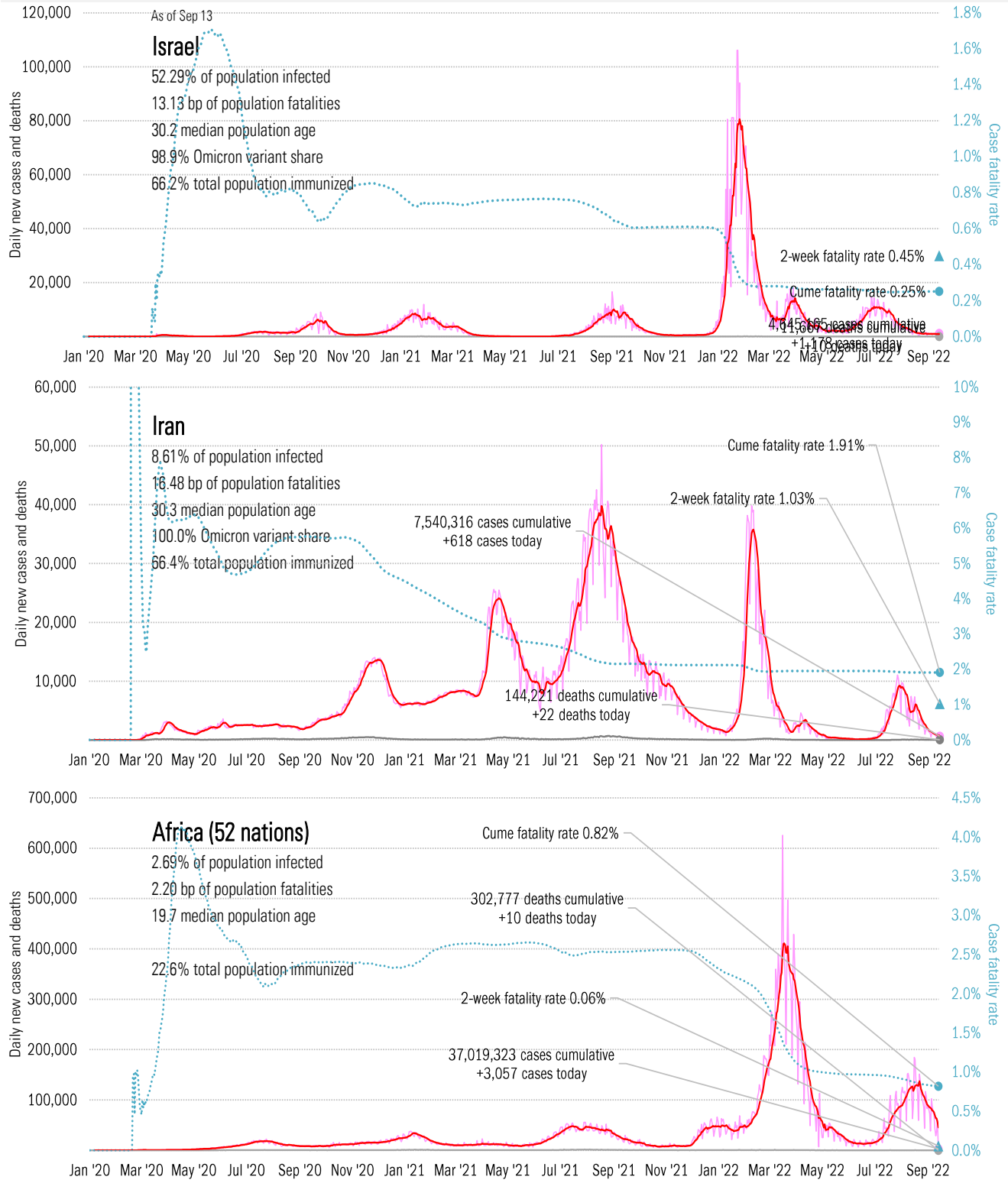
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

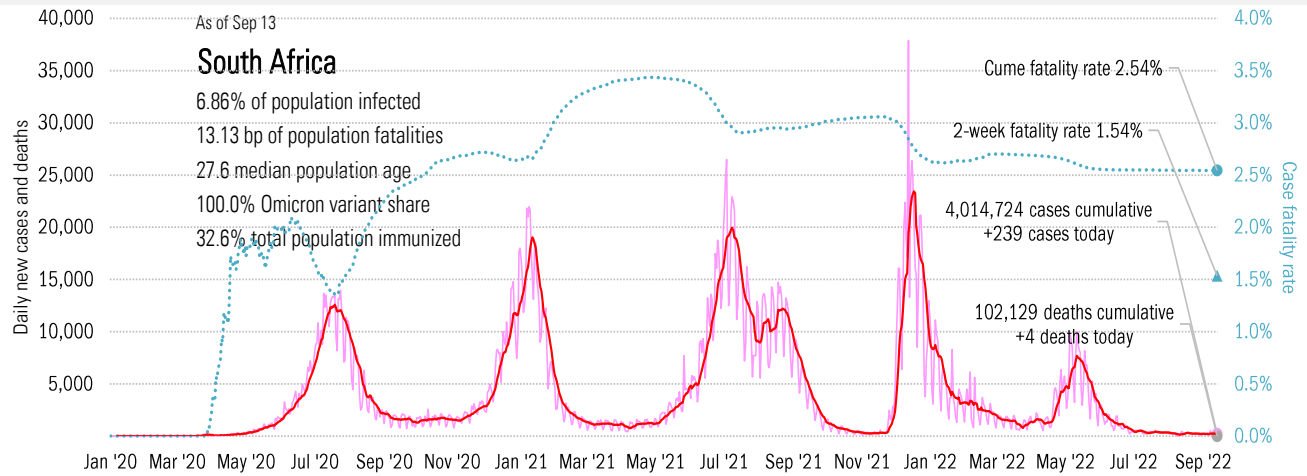
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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