

## Data Insights: Covid-2019 Monitor

Friday, September 9, 2022

### The global scorecard

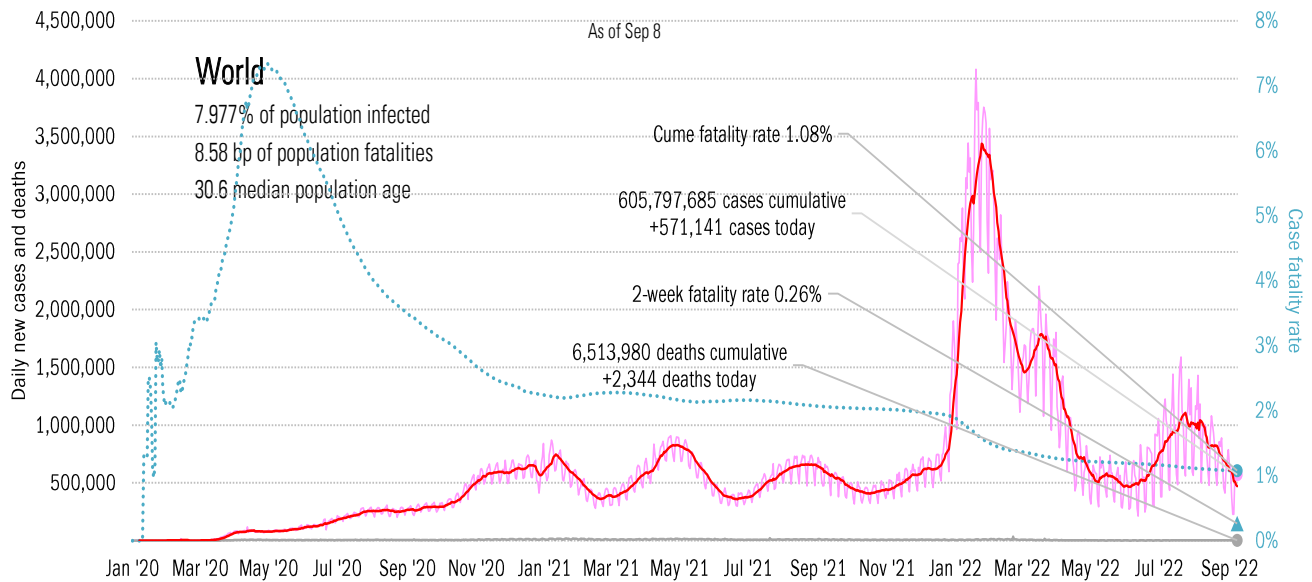
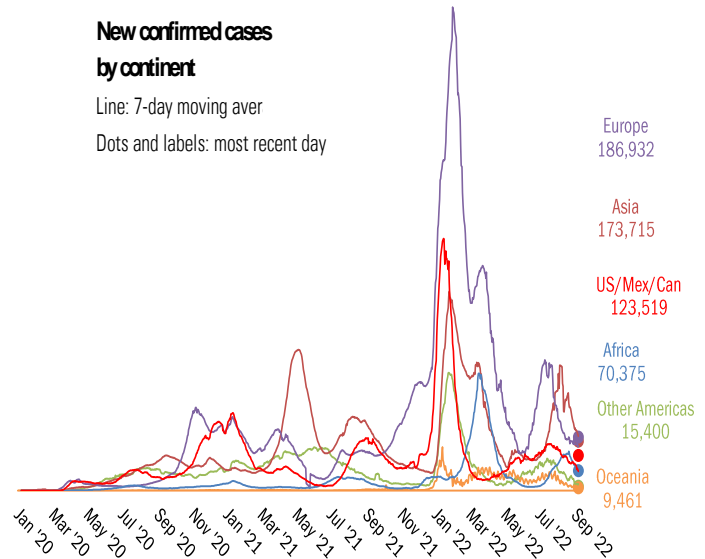
Cases: **7-day average** and **daily** Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
United States	119,670	United States	665
Japan	112,345	United Kingdom	430
Korea, South	69,389	Japan	227
Russia	49,884	Germany	119
Germany	35,995	Canada	111
Taiwan*	35,053	Sweden	102
United Kingdom	32,727	Russia	93
France	19,866	Italy	89
Italy	17,317	Australia	84
Australia	7,922	Finland	78
<b>500,168</b>		<b>1,998</b>	
World	571,141	World	2,344
Top ten	88%	Top ten	85%

#### New confirmed cases by continent

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



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

#### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

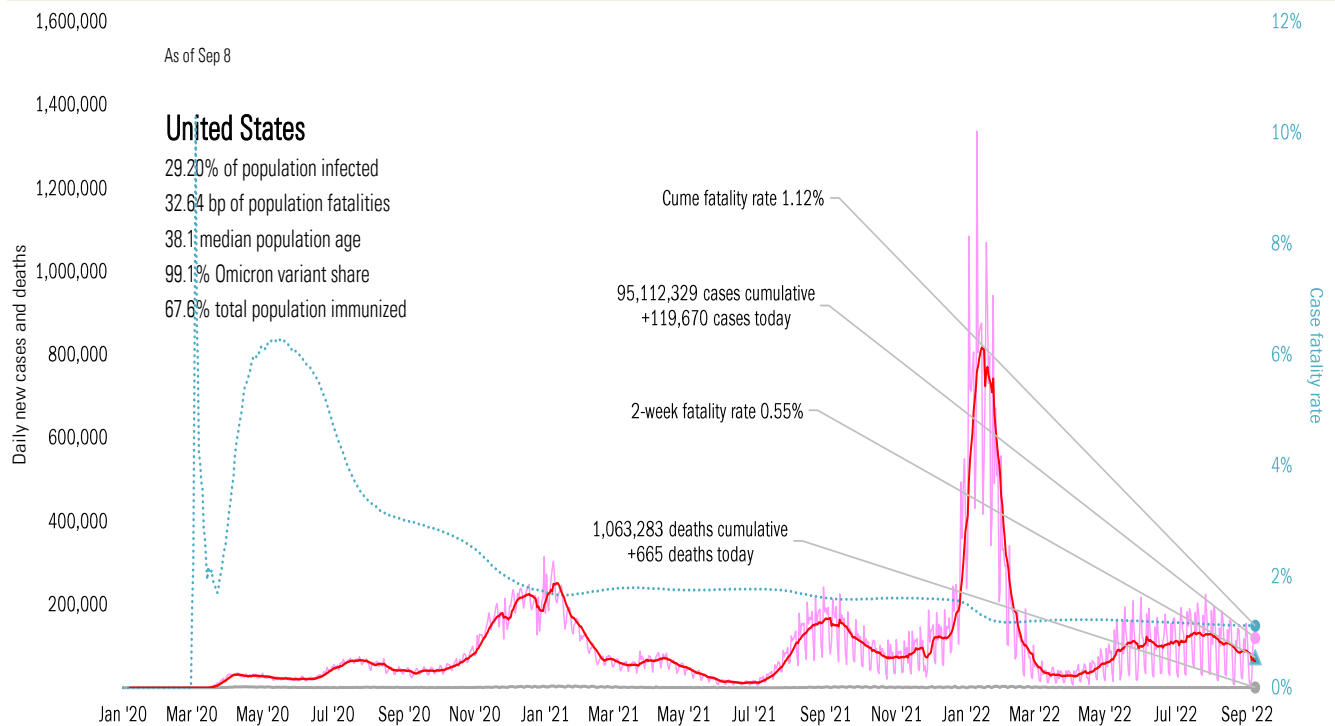
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
CA	27,157		CA	113		PA	247		CA	11,147,155		CA	95,202		TX	539,201		MA	88%	TX	87%
CH	21,731		MI	83		TX	423		TX	7,905,539		TX	90,460		CA	491,936		TN	88%	AK	86%
PA	15,988		FL	53		GA	187		FL	7,054,062		FL	80,306		FL	486,690		RI	87%	AL	85%
TX	7,033		OK	39		IA	62		NY	6,019,493		NY	71,304		NY	293,328		DE	85%	TN	84%
IL	4,092		WA	37		NY	298		IL	3,713,008		PA	46,831		GA	223,354		MN	85%	NH	84%
NY	3,925		NY	30		OK	80		PA	3,202,811		GA	39,875		CH	214,287		MO	84%	DC	83%
FL	2,743		VA	29		MA	110		NC	3,141,302		CH	39,576		PA	199,920		WA	84%	MA	82%
MI	2,642		TX	28		HI	28		CH	3,096,557		IL	39,426		IL	183,161		GA	84%	NM	82%
UT	2,370		LA	20		NM	27		GA	2,883,318		MI	38,121		MI	159,400		MD	83%	NC	81%
NJ	2,181		IL	19		KY	97		MI	2,786,213		NJ	34,608		KY	143,069		ND	82%	WA	81%
89,862			451			1,559			50,949,458			575,709			2,934,346						
All states	119,670		665		4,763		All states	95,112,329		1,063,283		5,323,388		All states	70%	67%					
Top ten	75%		68%		33%		Top ten	54%		55%		55%		Median	77%	73%					

Some states not reporting

## Five most improved US states

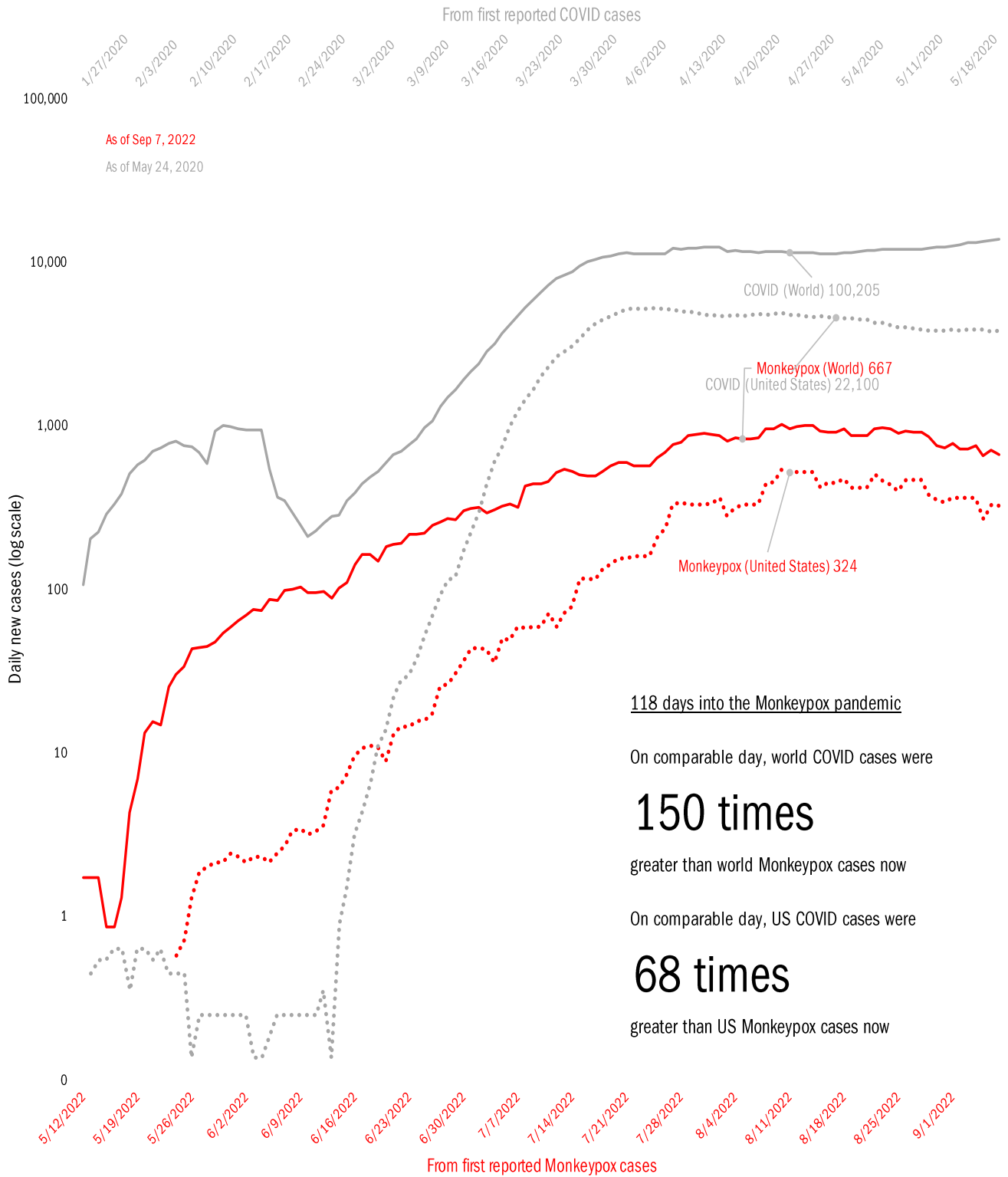
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
OK	-3,812	NY	-22	MI	-58
NC	-2,926	MD	-14	IL	-54
MD	-2,007	NJ	-10	FL	-34
VA	-1,208	OR	-8	VA	-27
MS	-832	IL	-7	IN	-25



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

# The Monkeypox contextualizer

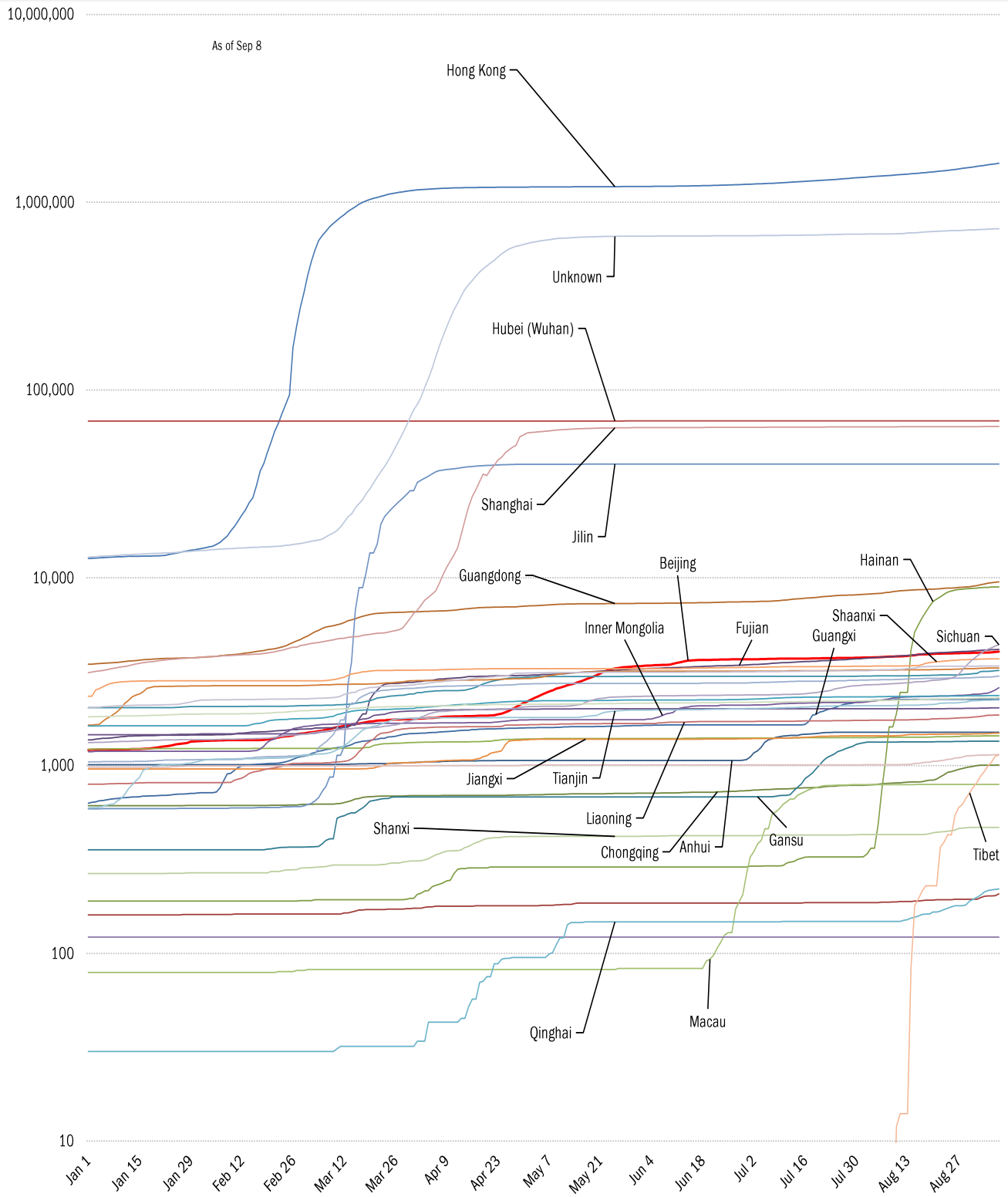
## The course of case growth versus COVID



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"*

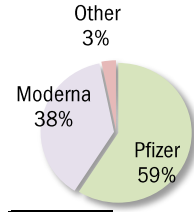


Source: [Johns Hopkins](#), TrendMacro calculations

# 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	France	78.7%
Total population	271,287,274	81%	230,903,498	69%	+0.037 million	Spain	85.6%
Age 12 to 17	18,165,772	72%	15,521,542	61%	+0.003 million	Germany	76.1%
Age 18 to 64	181,000,884	89%	153,748,856	76%	+0.010 million	Italy	81.0%
Age 65 and over	59,742,433	100%	52,263,684	95%	+0.002 million	Australia	84.0%
						Israel	66.2%
						Canada	82.7%
						Japan	82.5%
						Africa	22.2%
						India	67.1%
						Brazil	80.2%
						China	89.1%



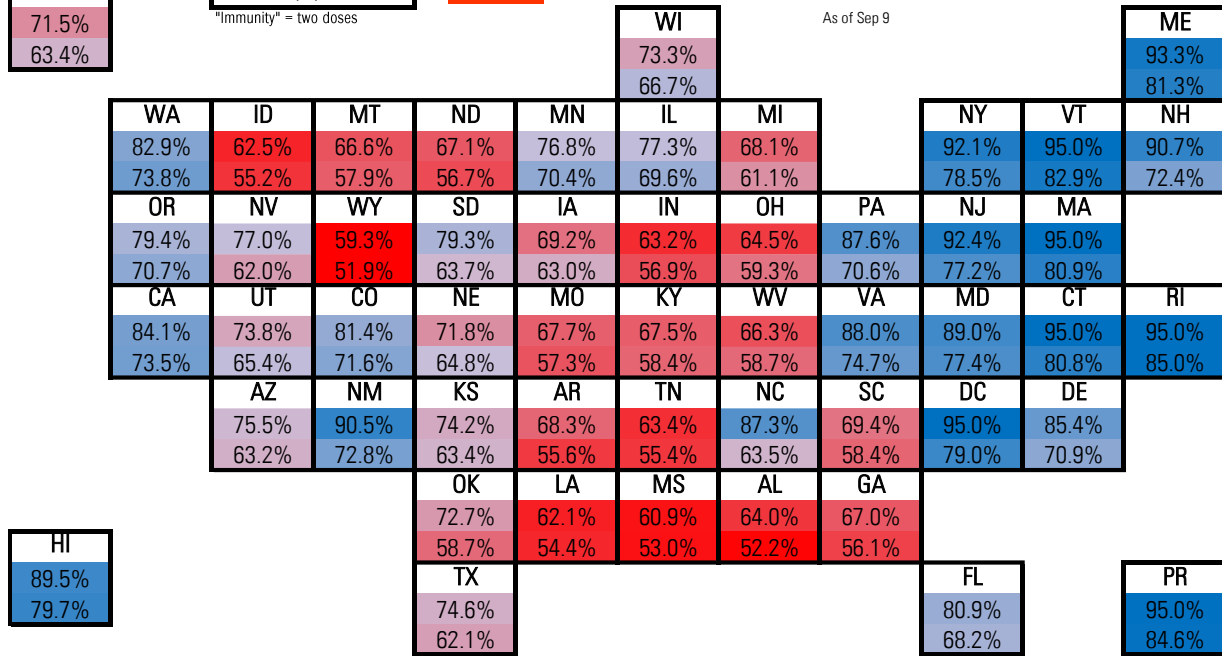
AK	71.5%
	63.4%

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

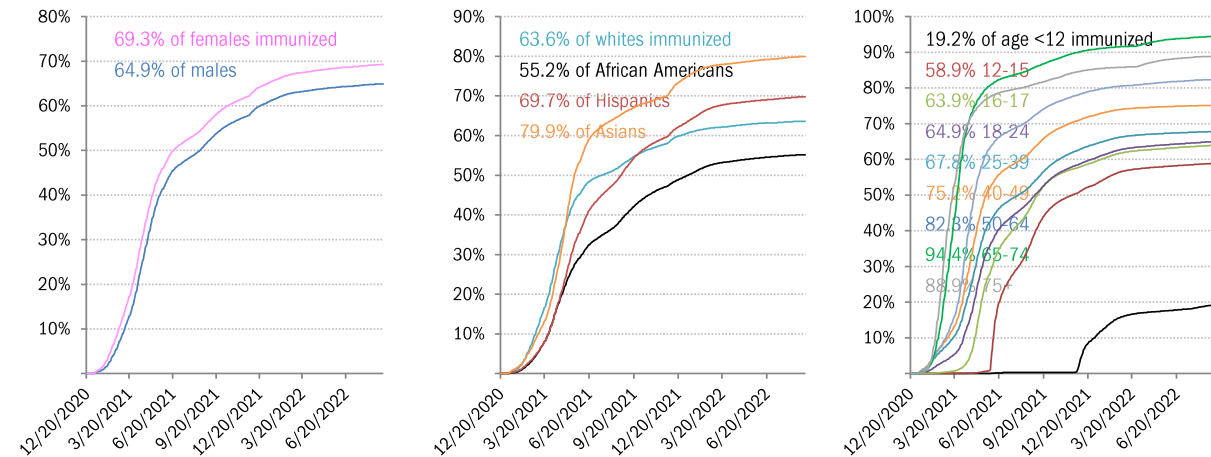
\*Immunity\* = two doses

Best
Middle
Worst

Global data differs due to sources, timing



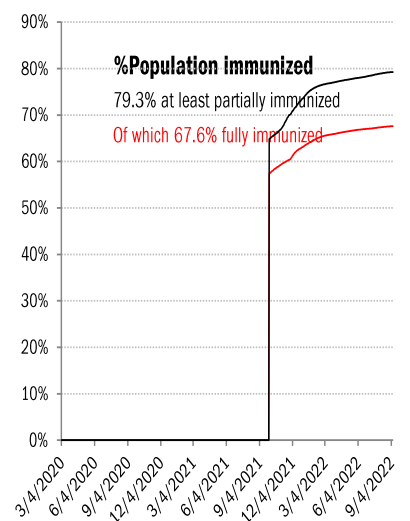
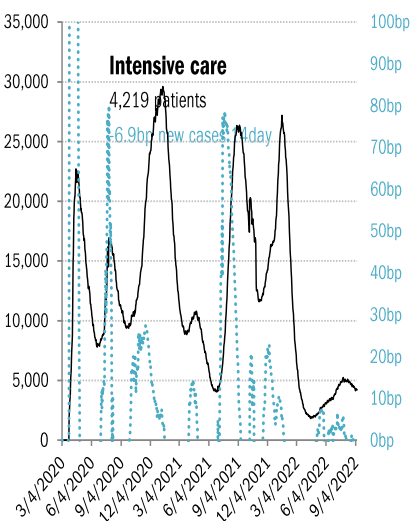
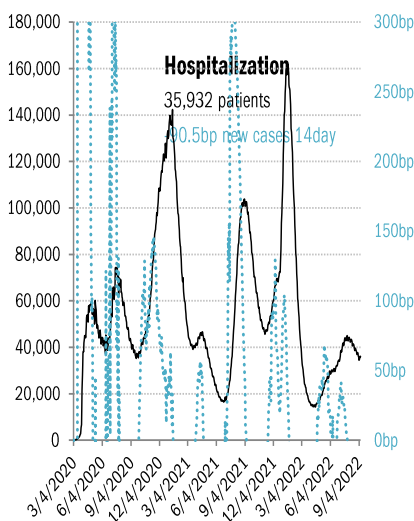
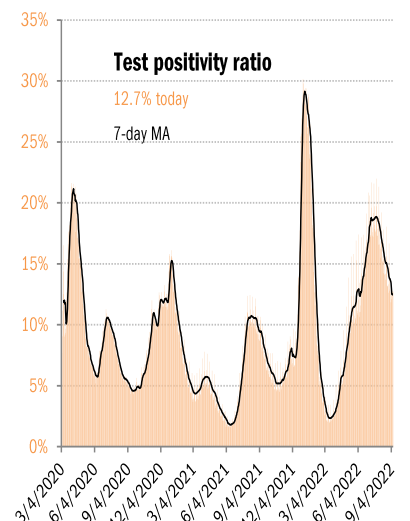
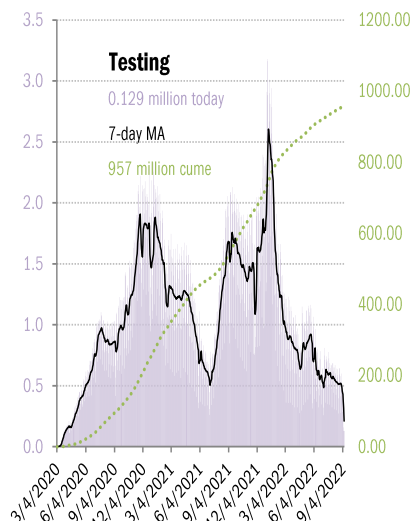
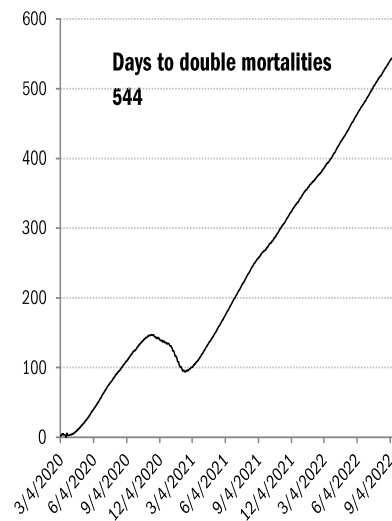
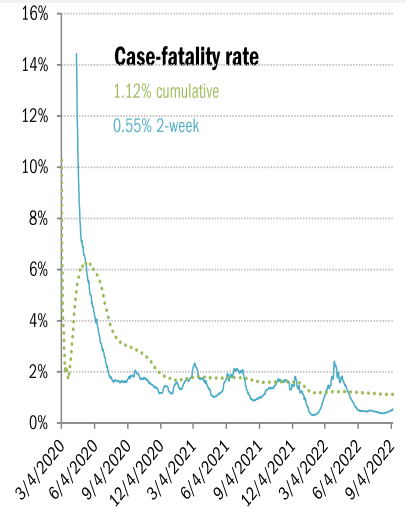
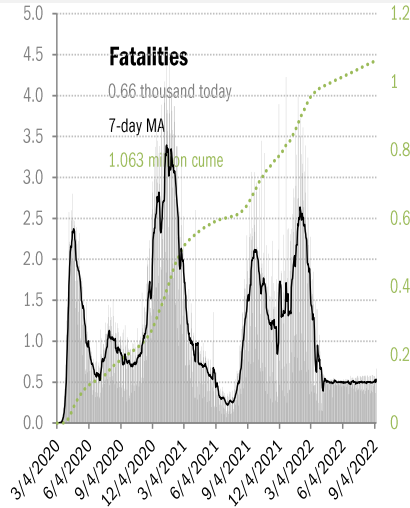
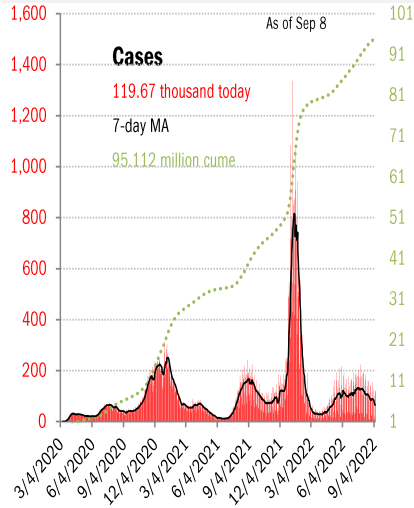
## The demographics of US vaccination



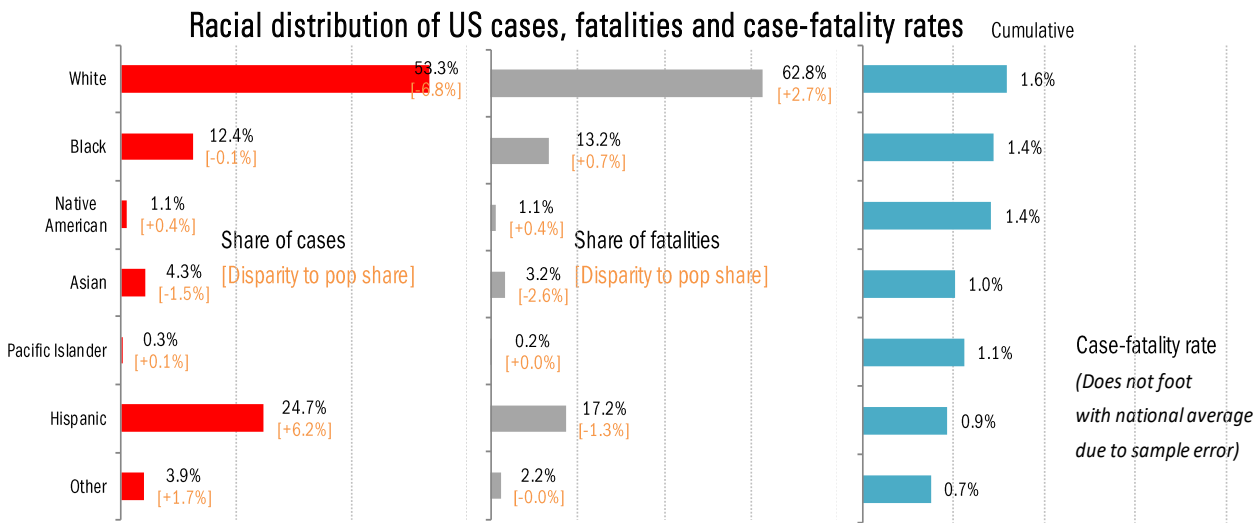
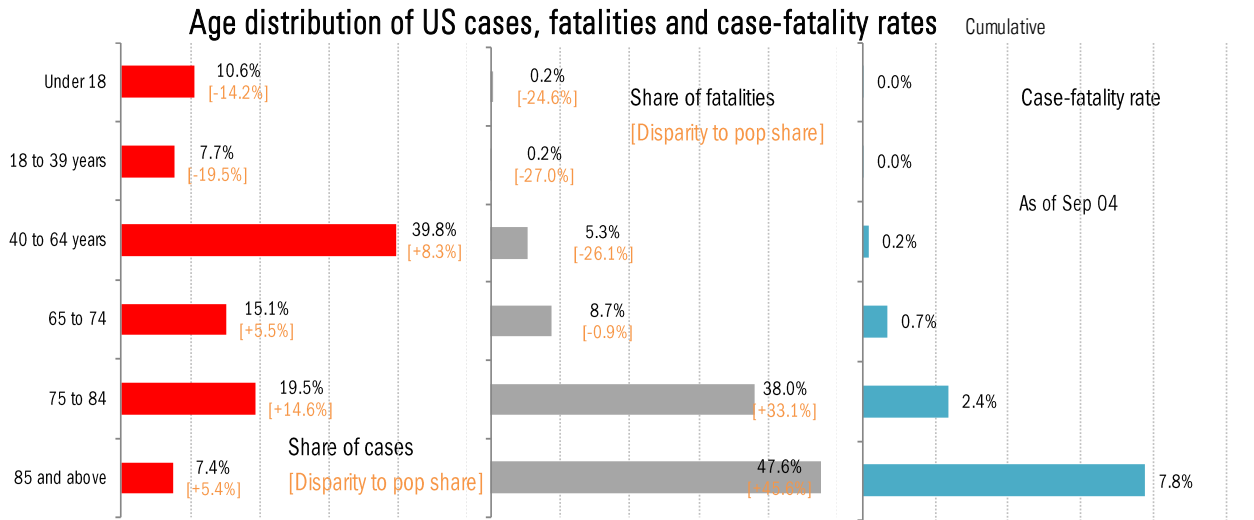
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

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

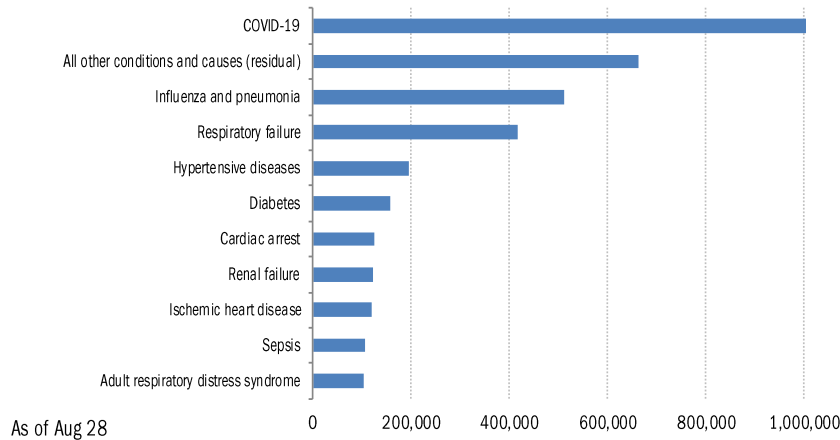


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### Comorbidities

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

[Pfizer isn't sharing Covid vaccines with researchers for next-gen studies](#)

Rachel Cohrs

*Stat News*

September 6, 2022

## Meme of the day

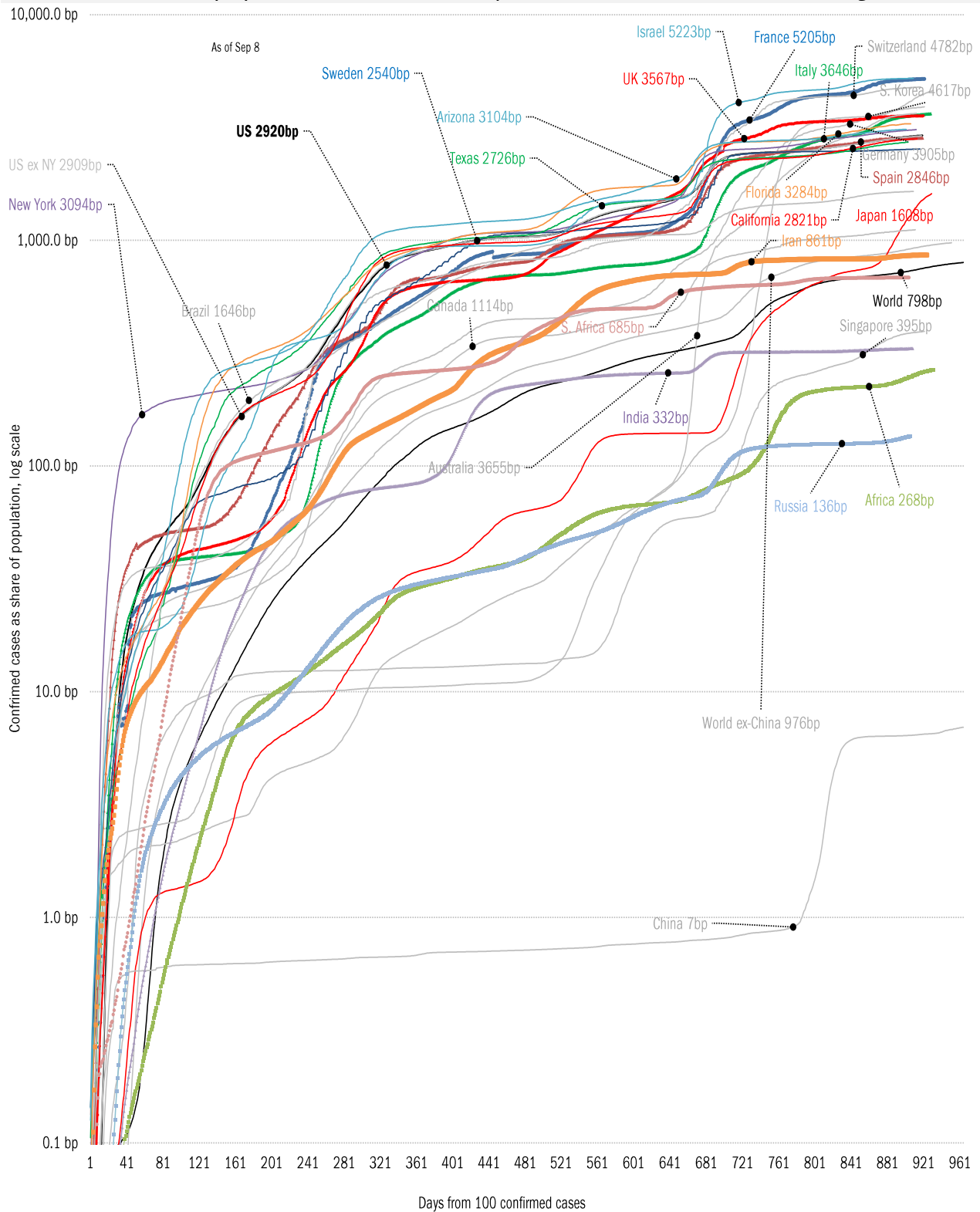


Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)



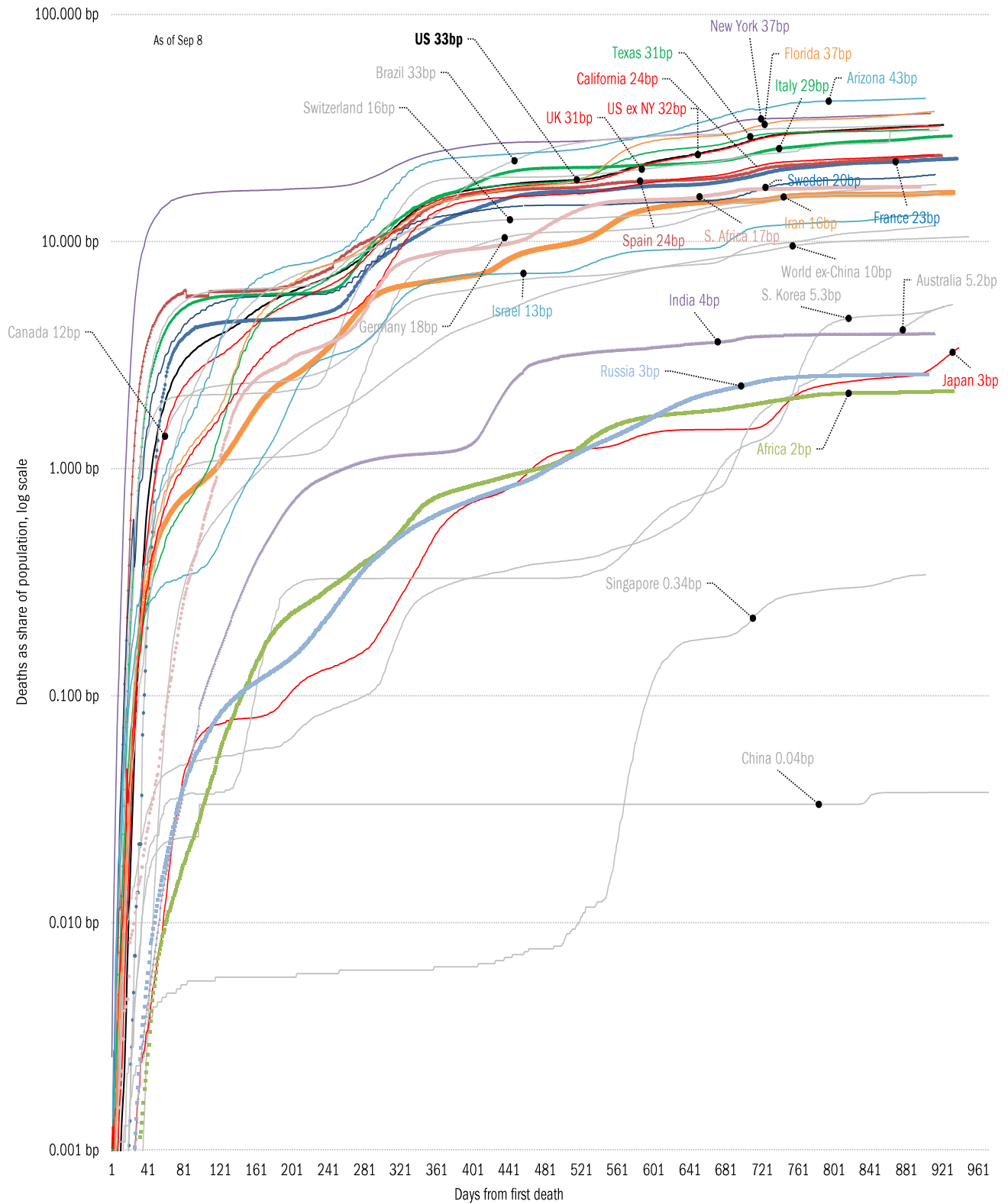
# The global coronavirus case accelerometer... tracking the world's infection curves

*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

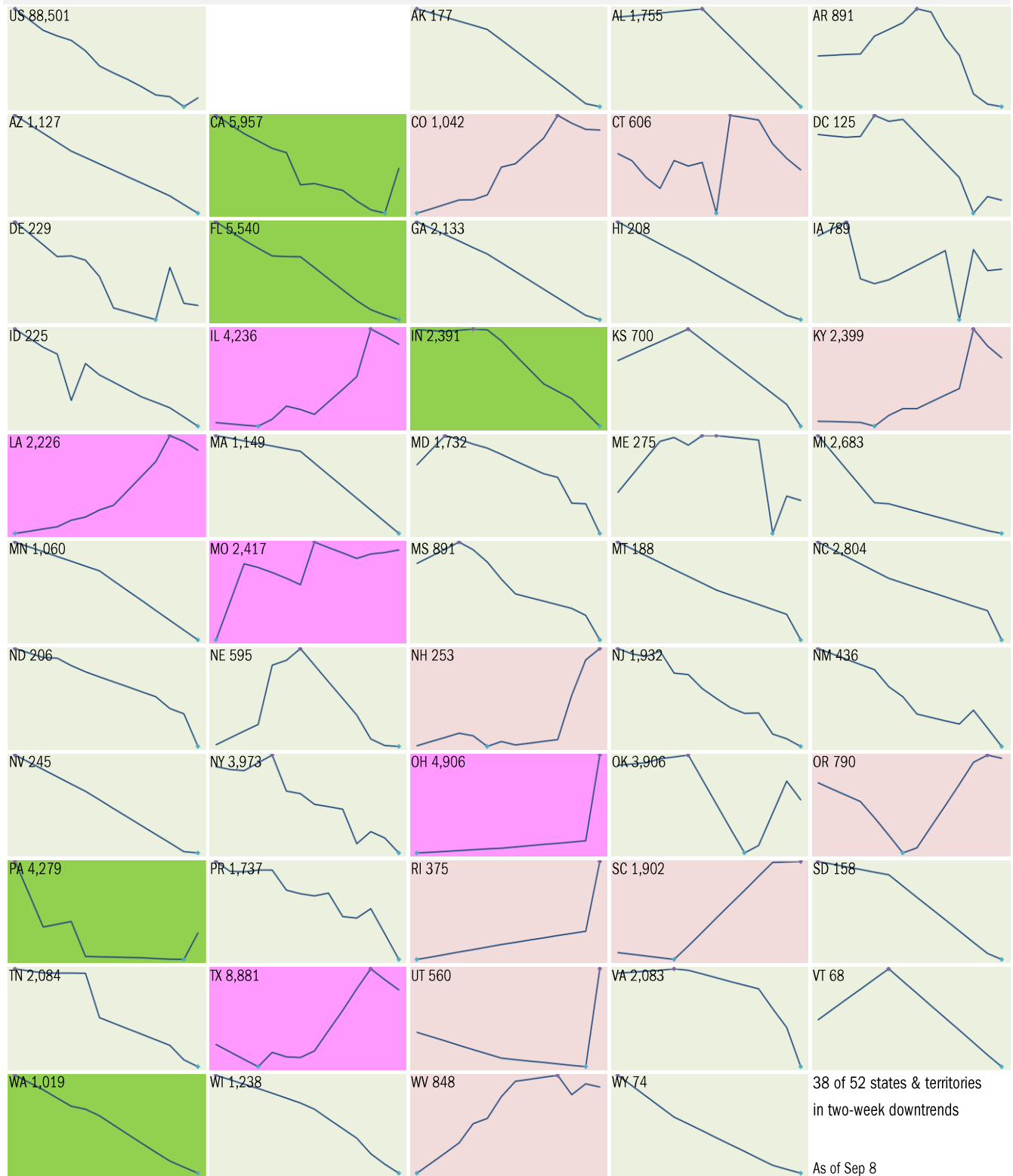


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

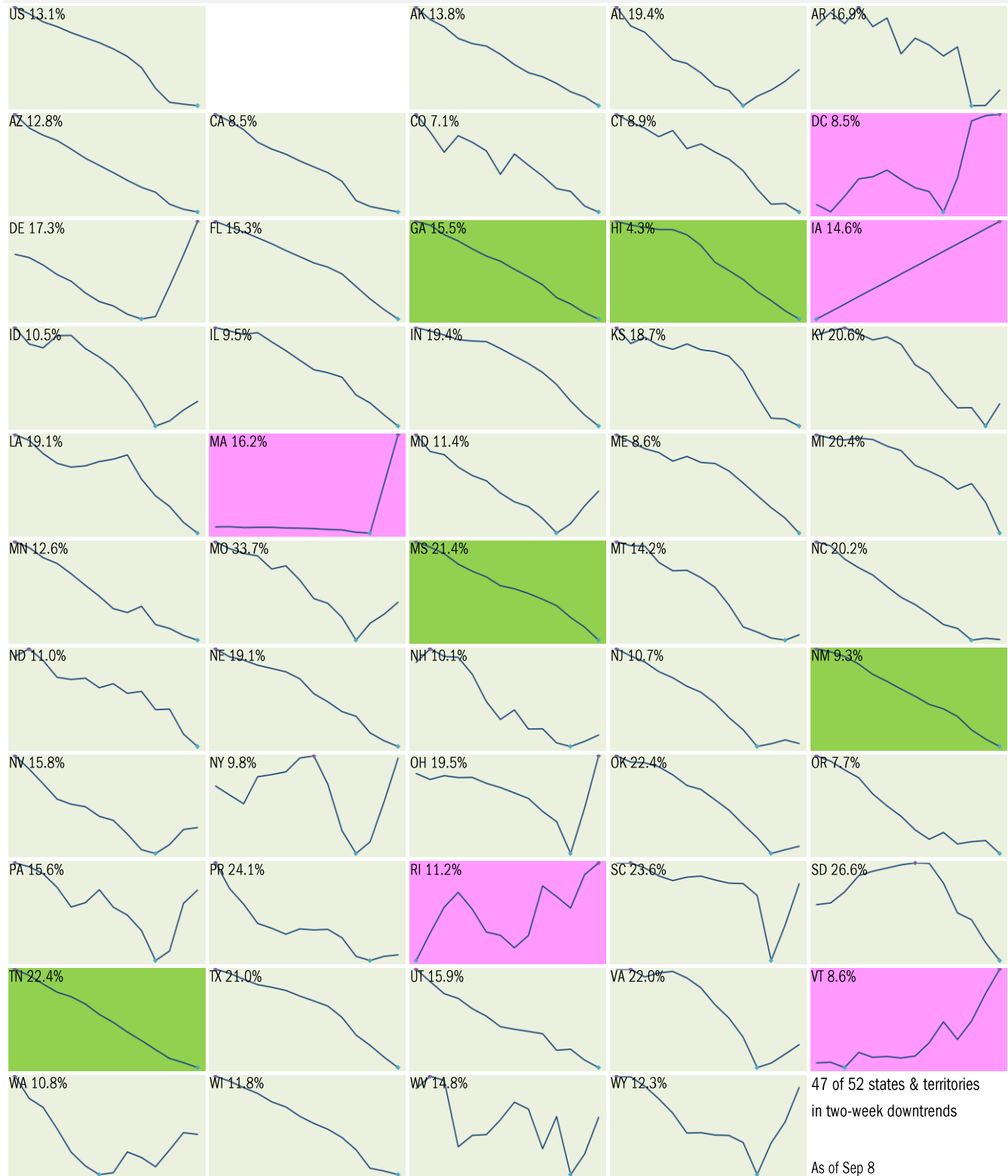


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

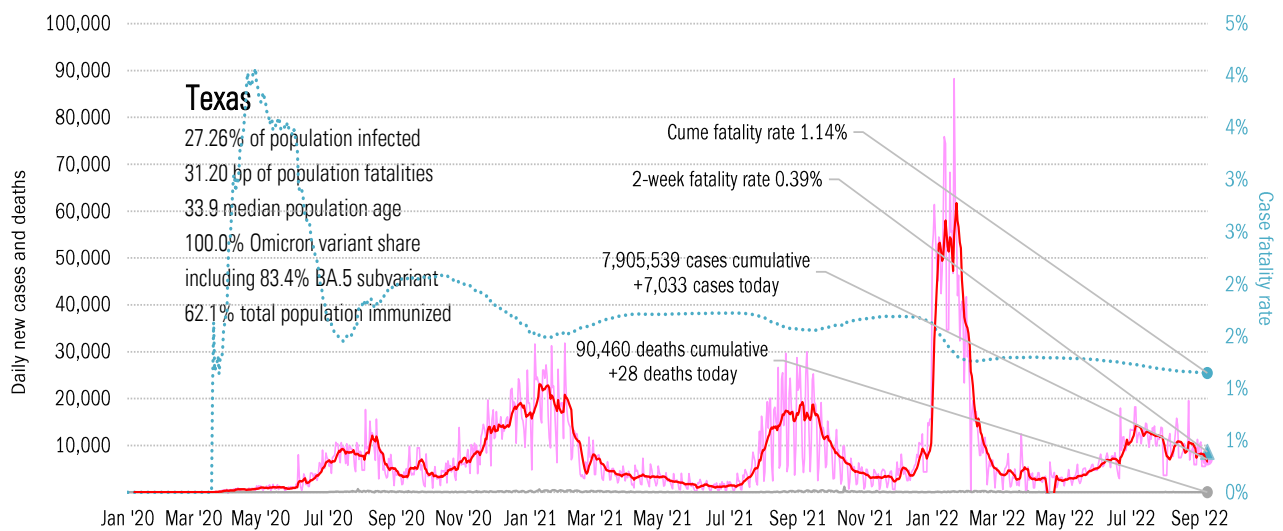
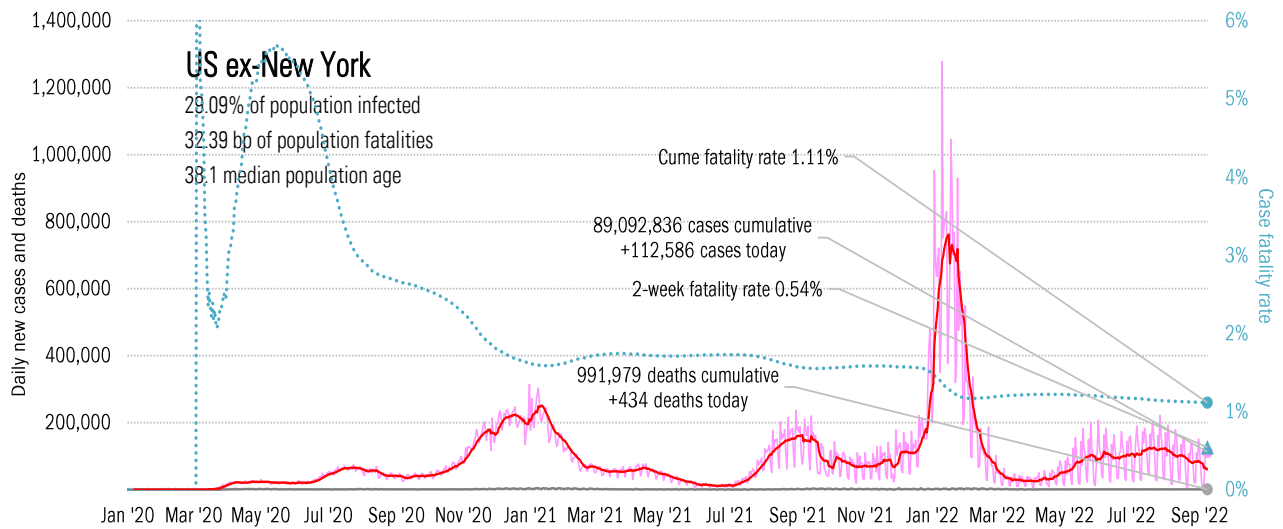
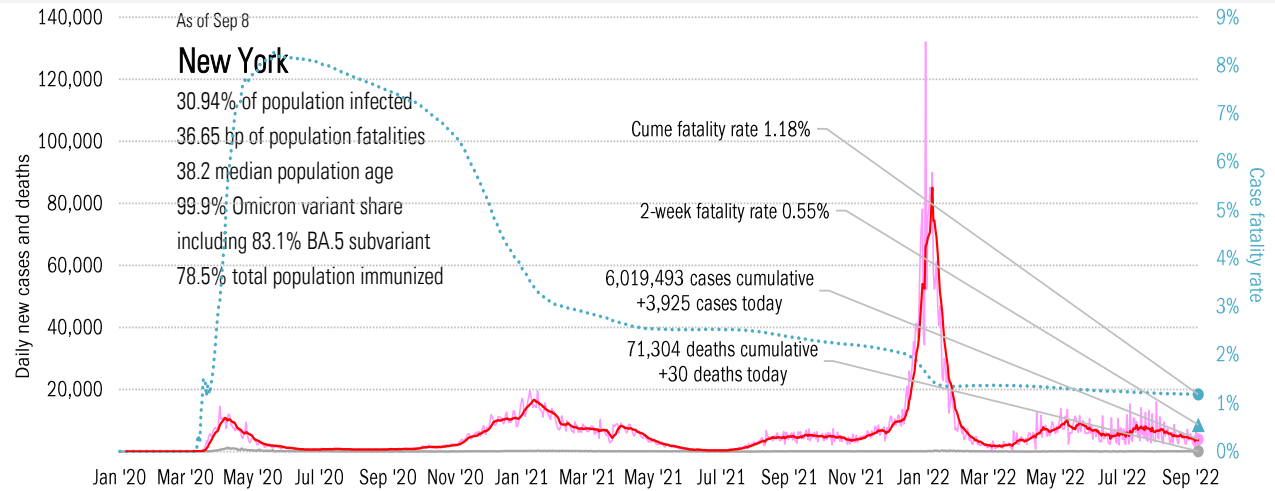
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

Cases: 7-day average and daily Deaths: Daily

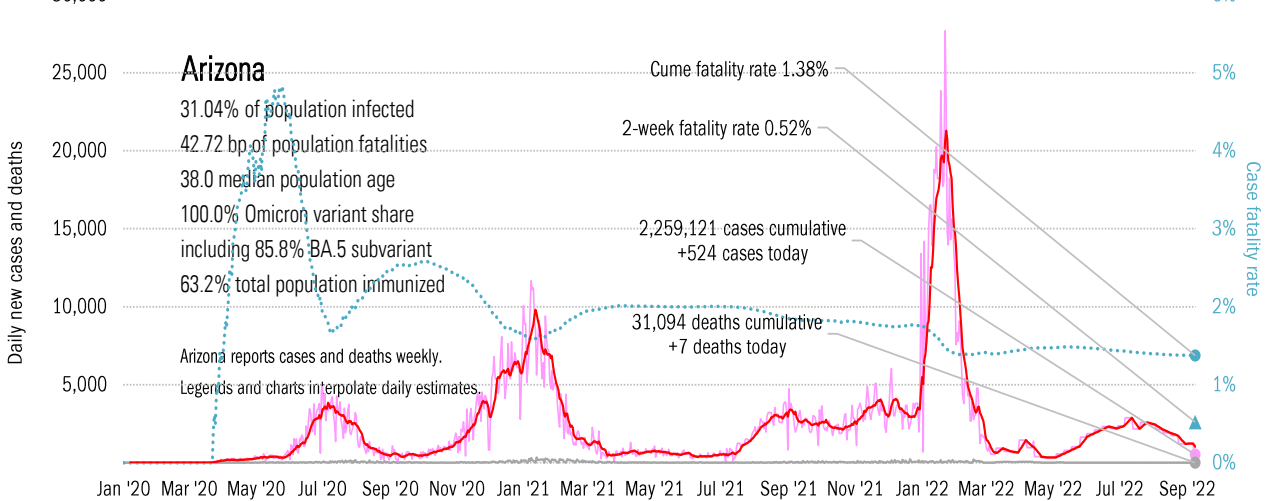
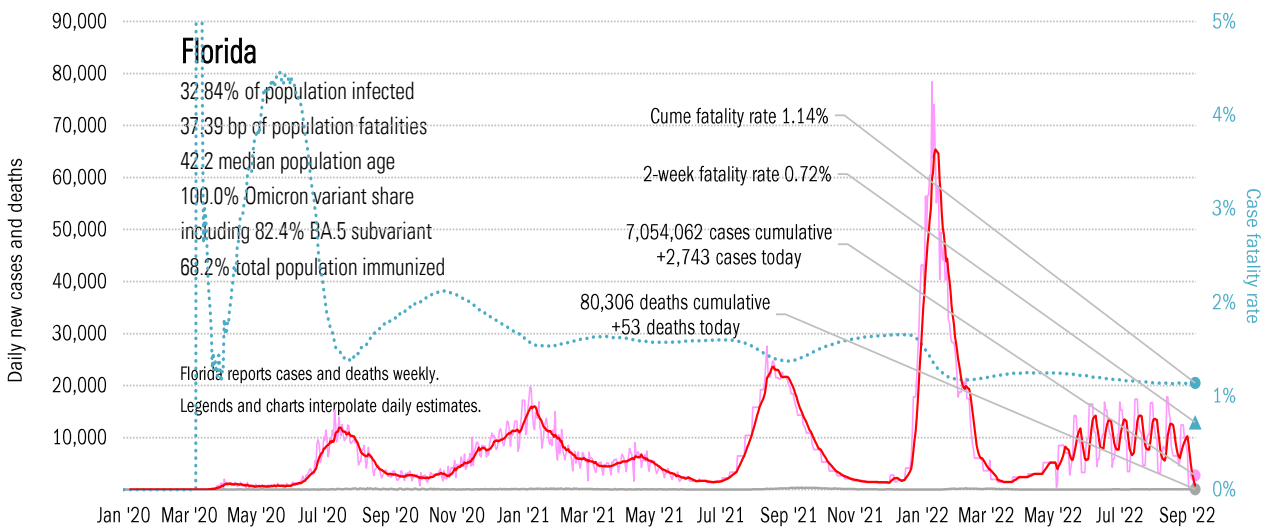
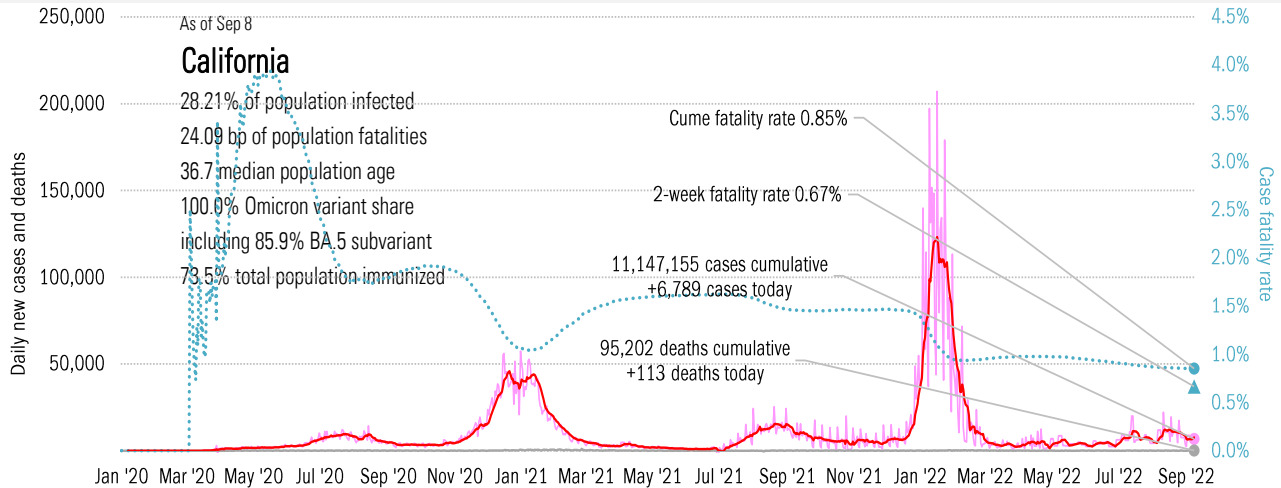


Source: [Johns Hopkins](#), TrendMacro calculations



# The sun-belt hot-spot states

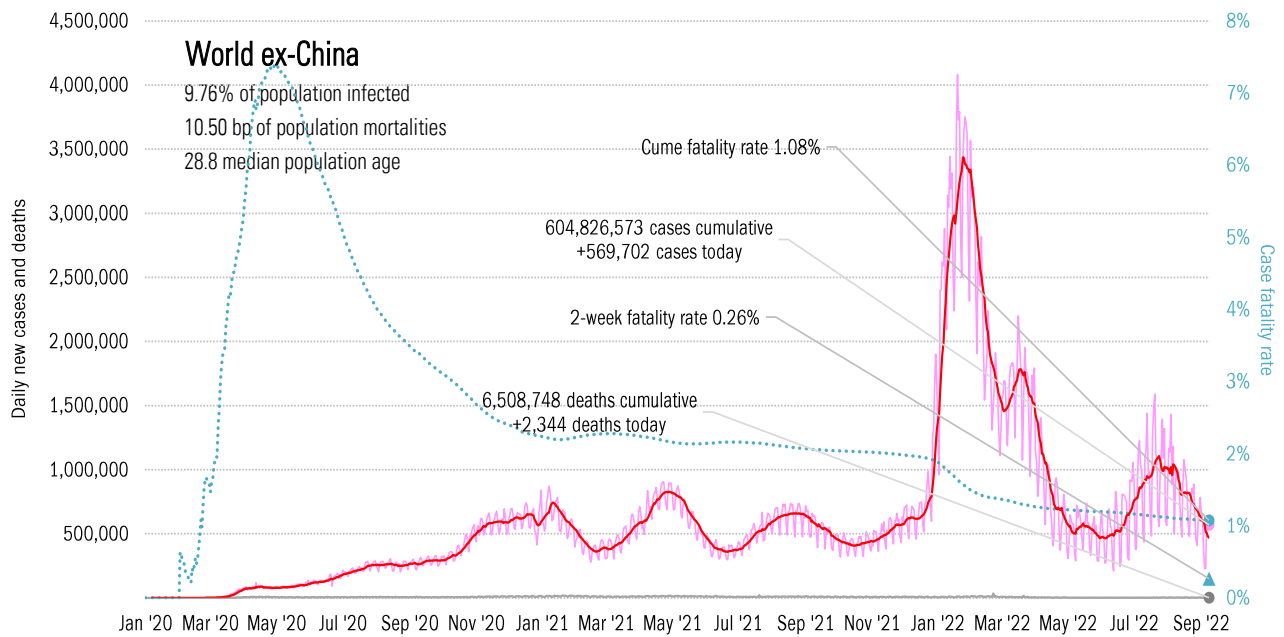
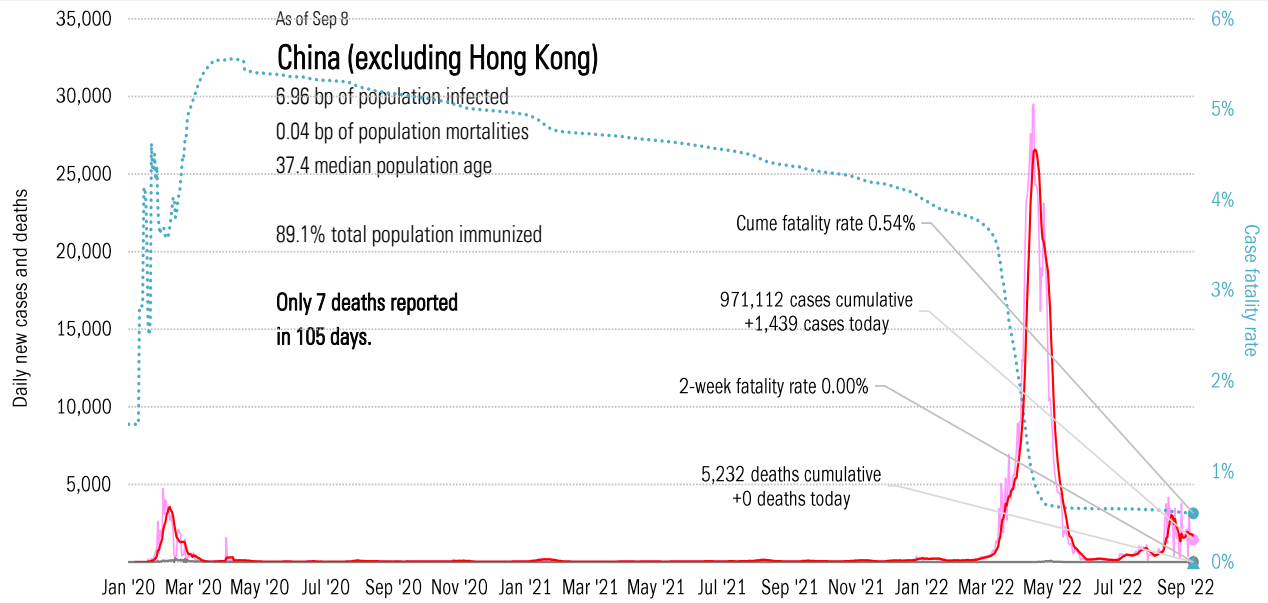
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

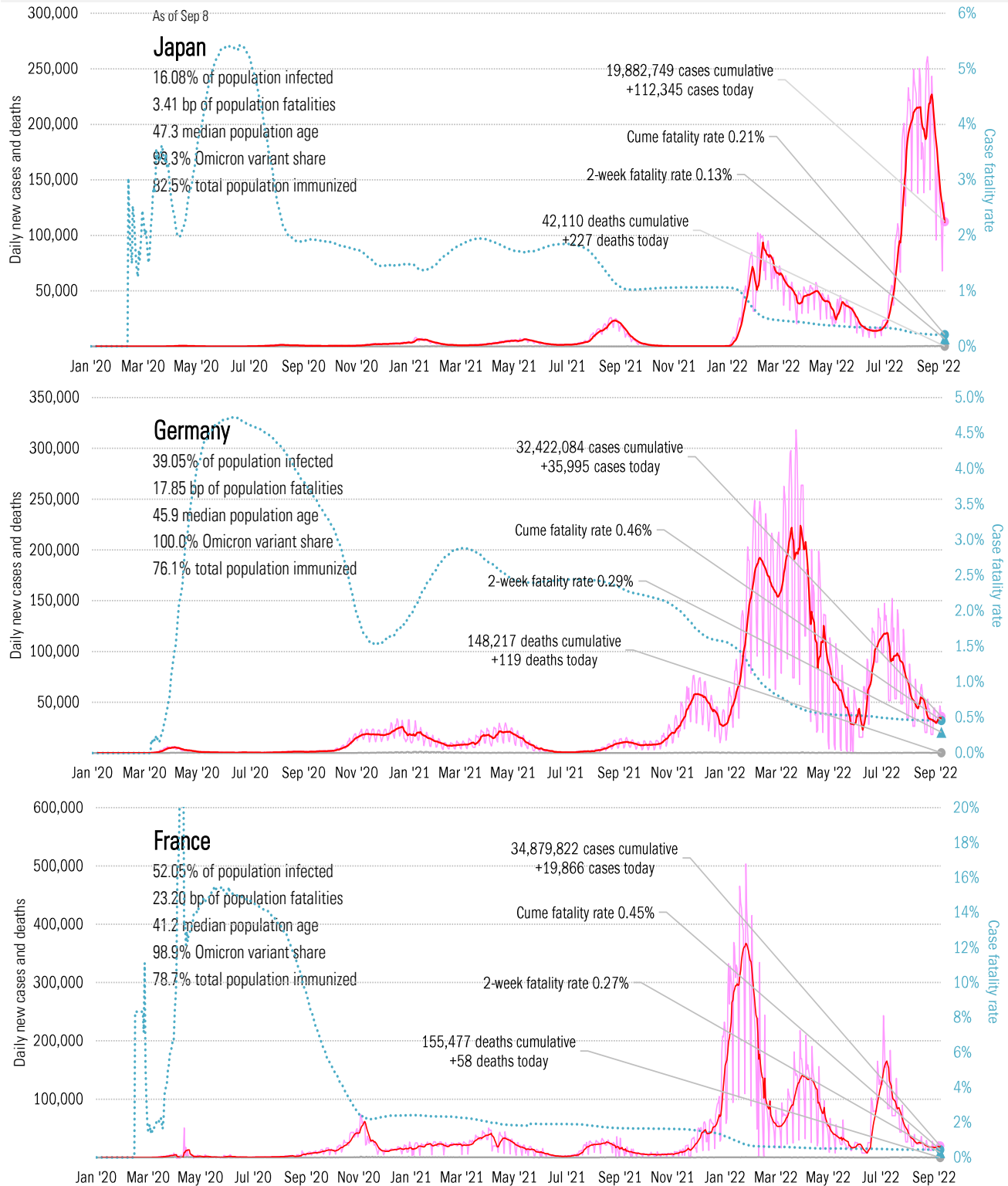
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

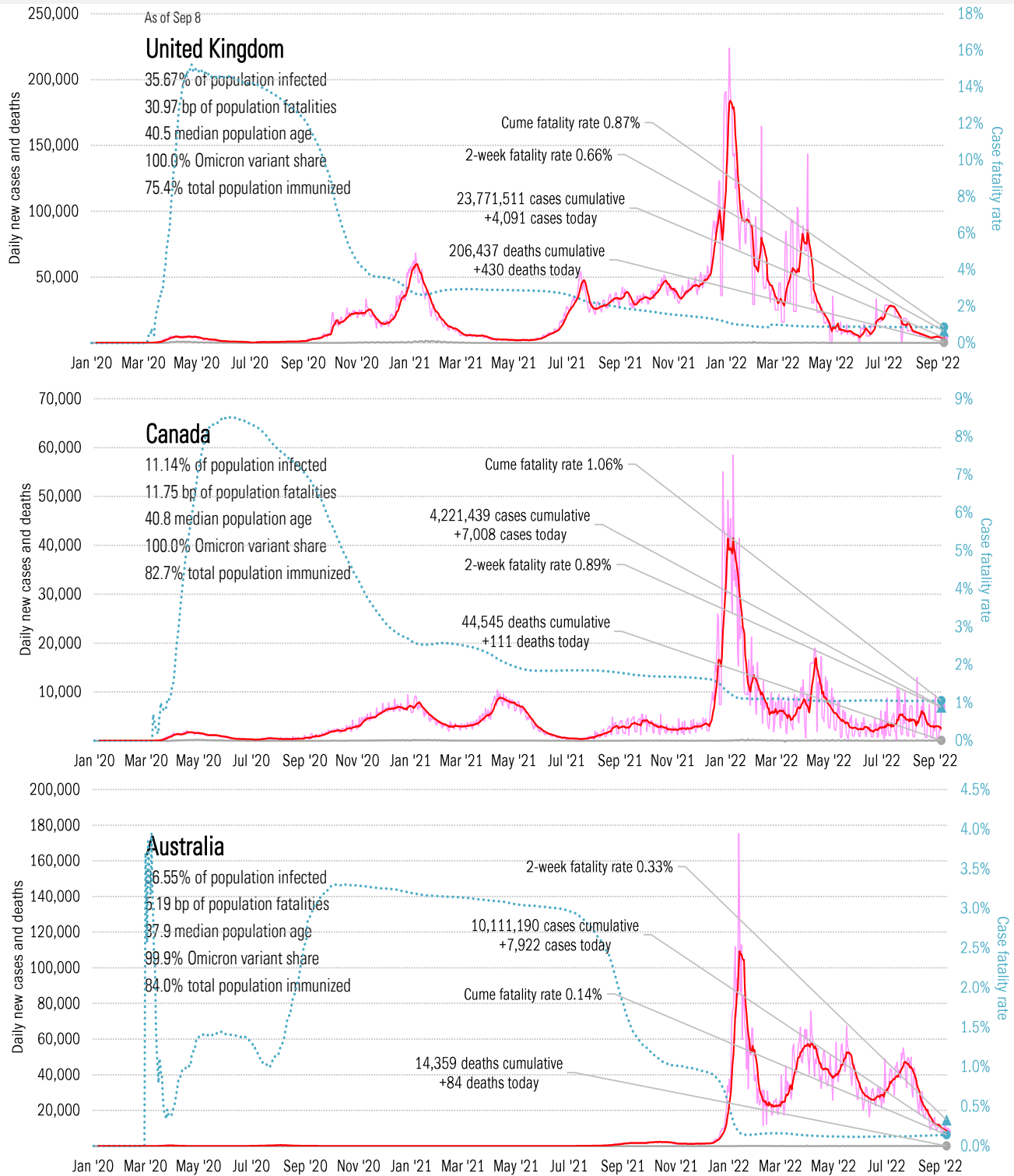
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

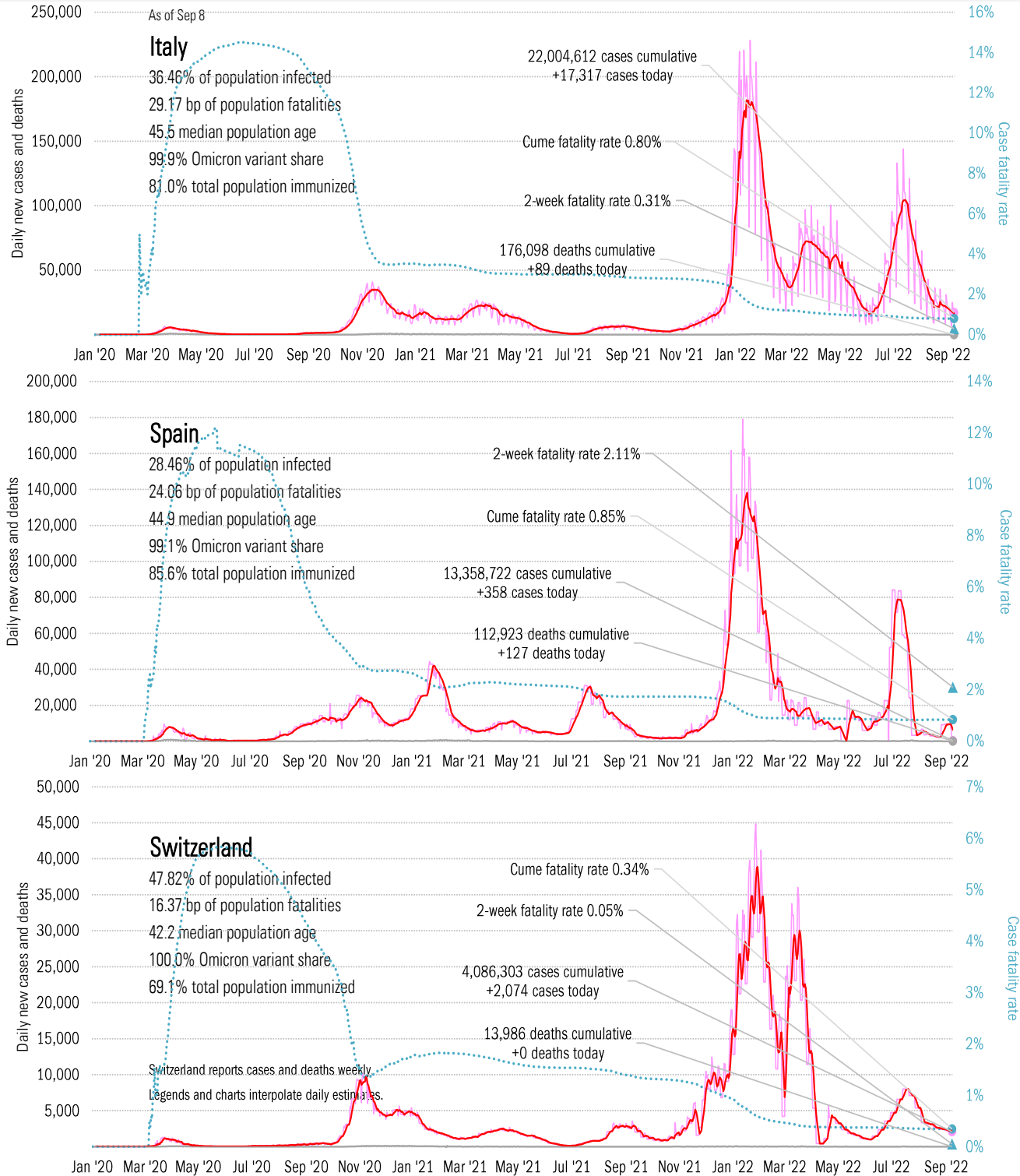
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

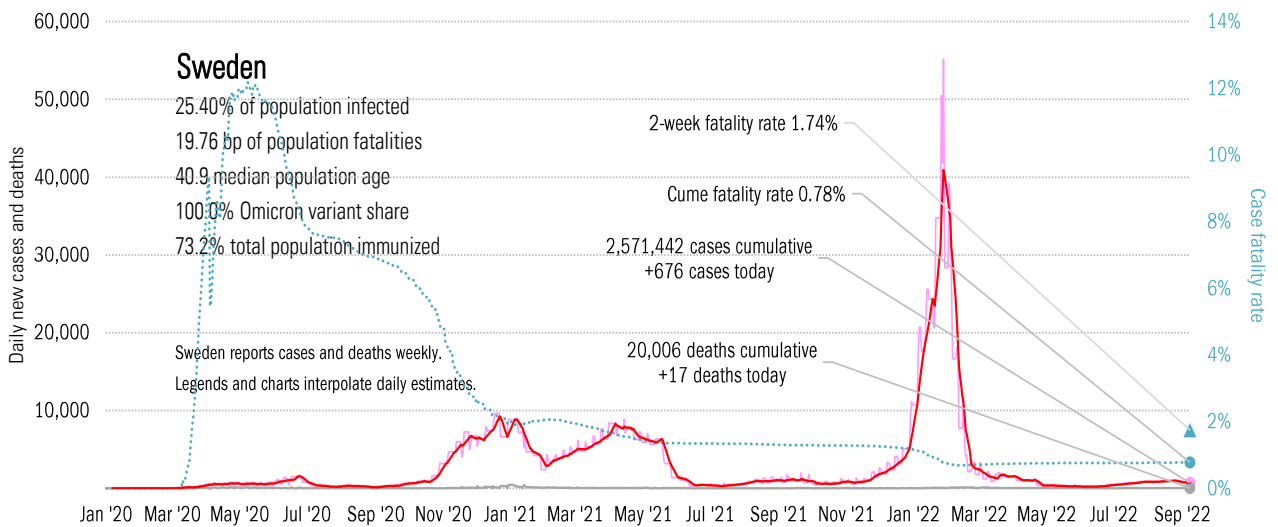
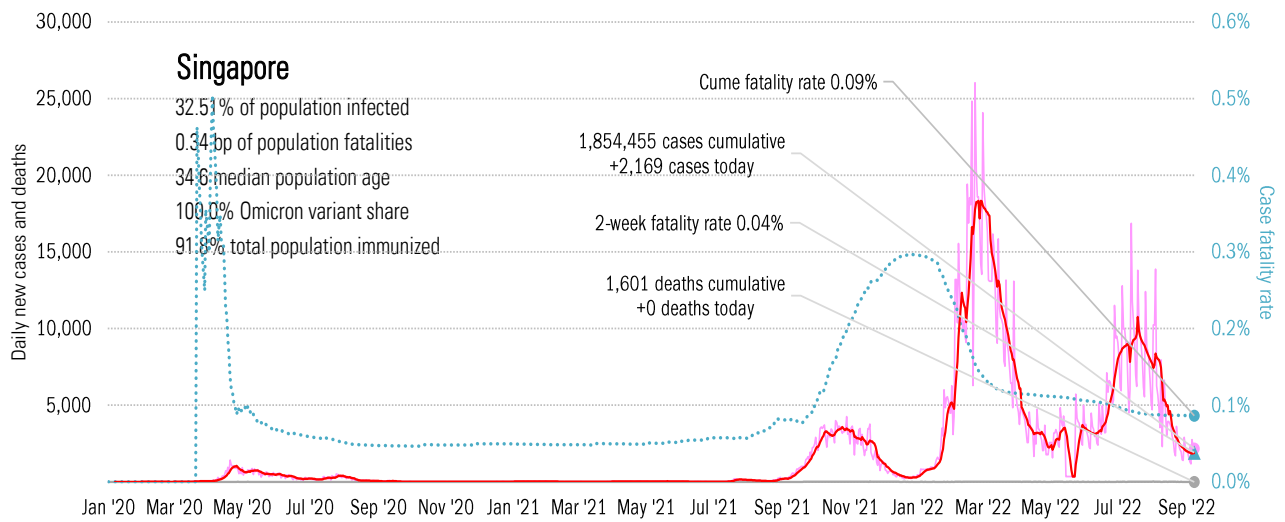
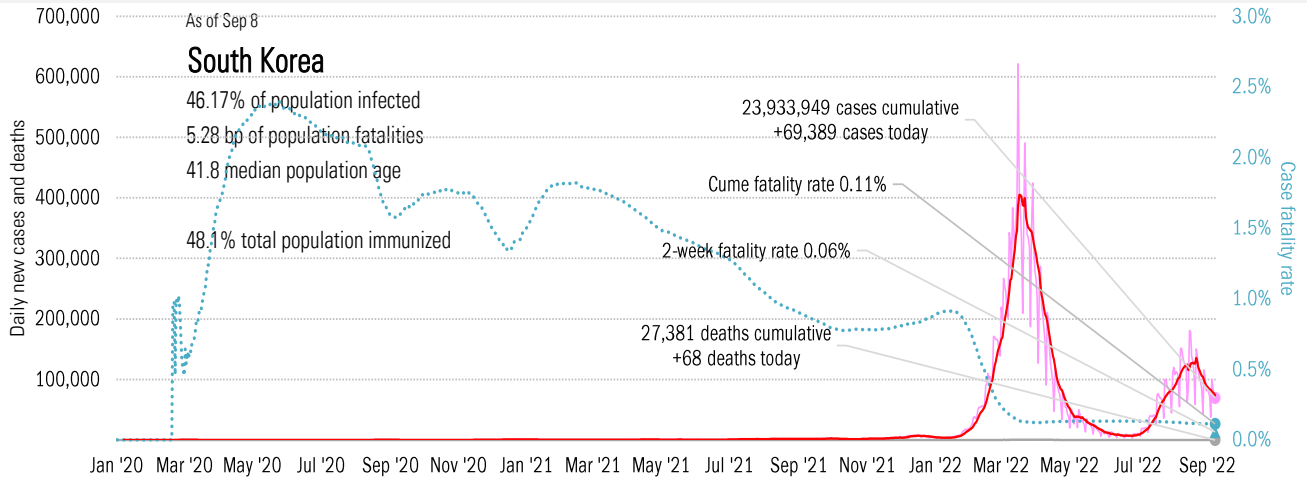
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

Cases: 7-day average and daily Deaths: Daily

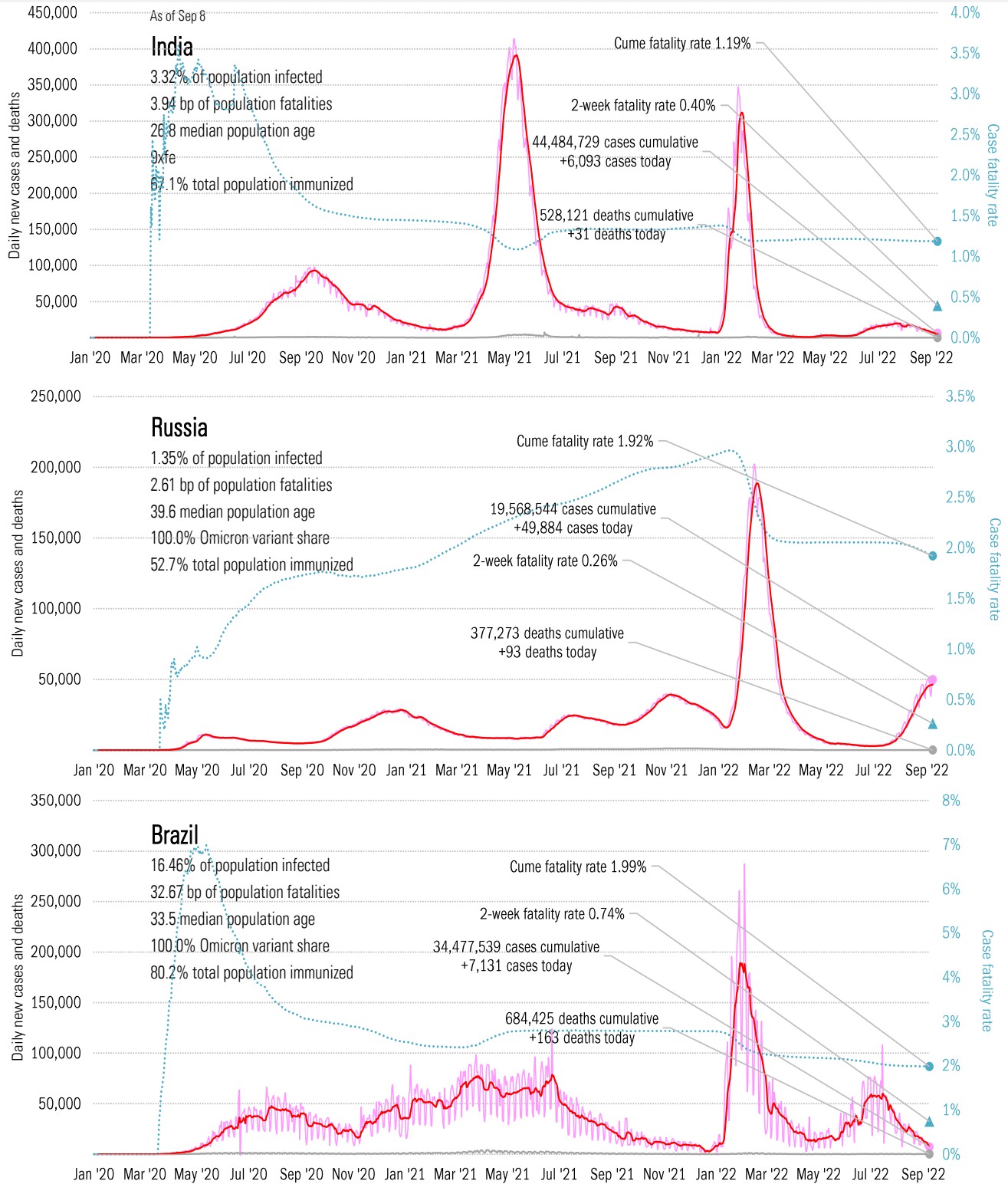


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the BRICs ex-China

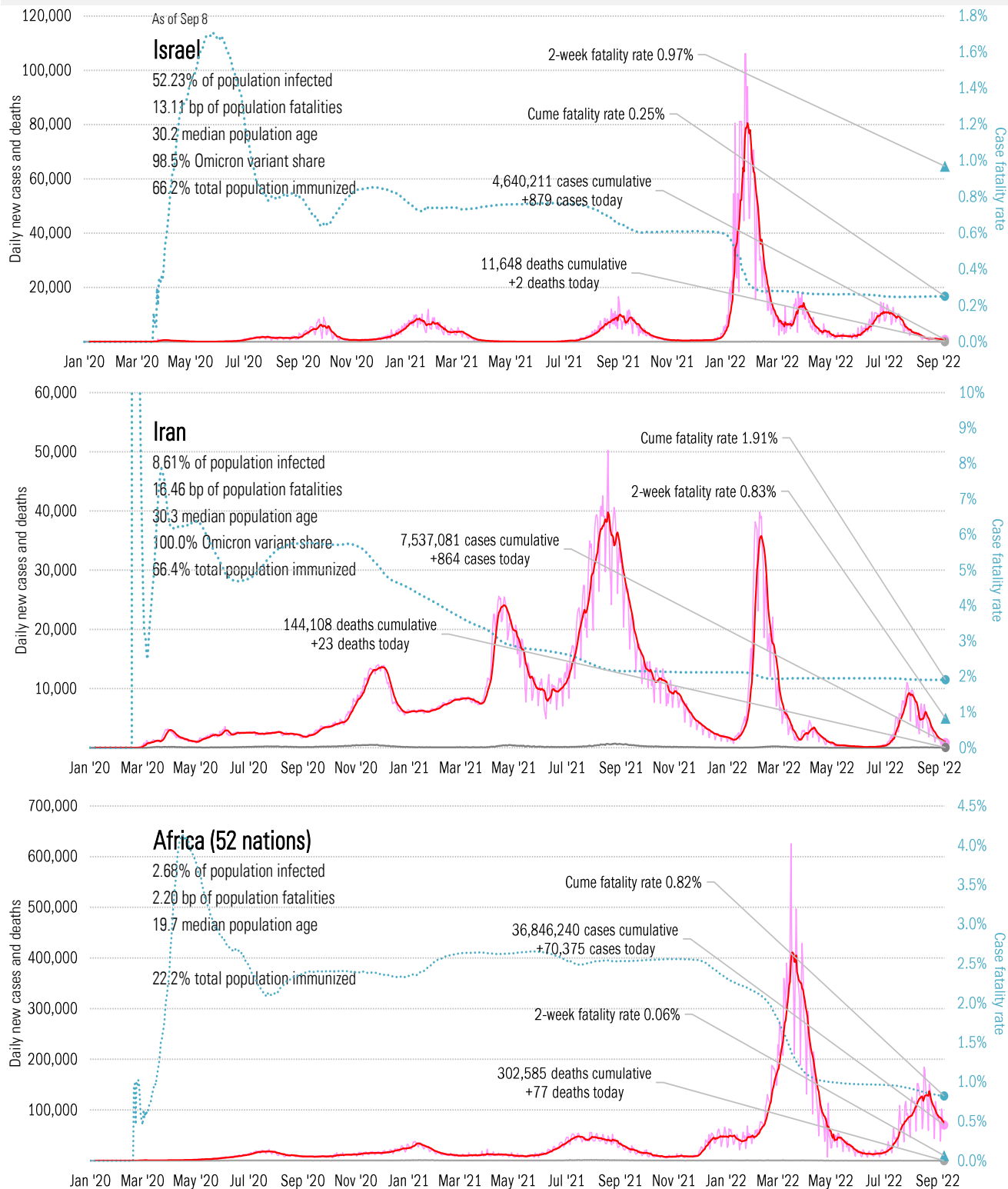
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

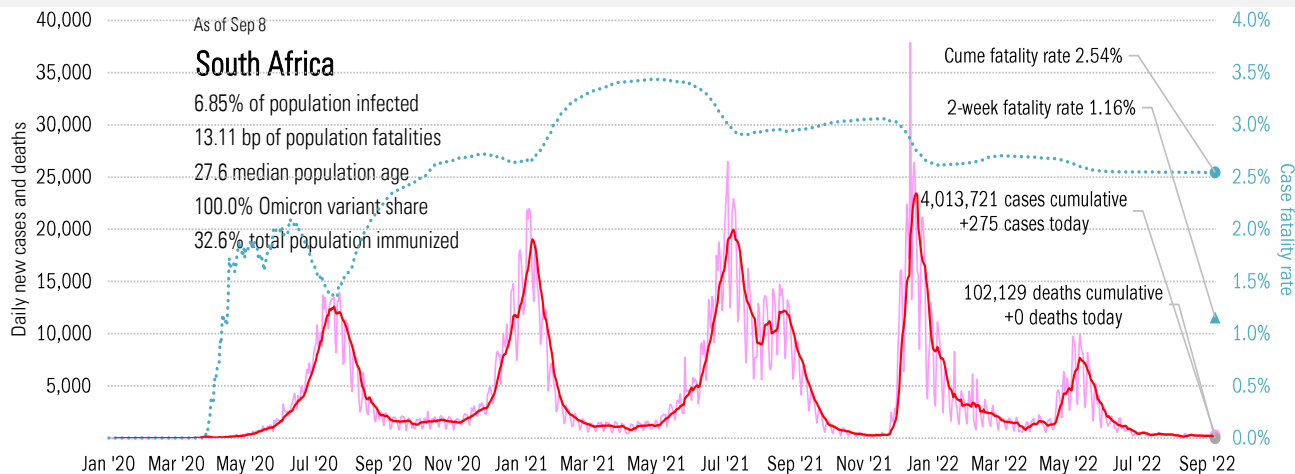
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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