

## Data Insights: Covid-2019 Monitor

Wednesday, October 19, 2022

### The global scorecard

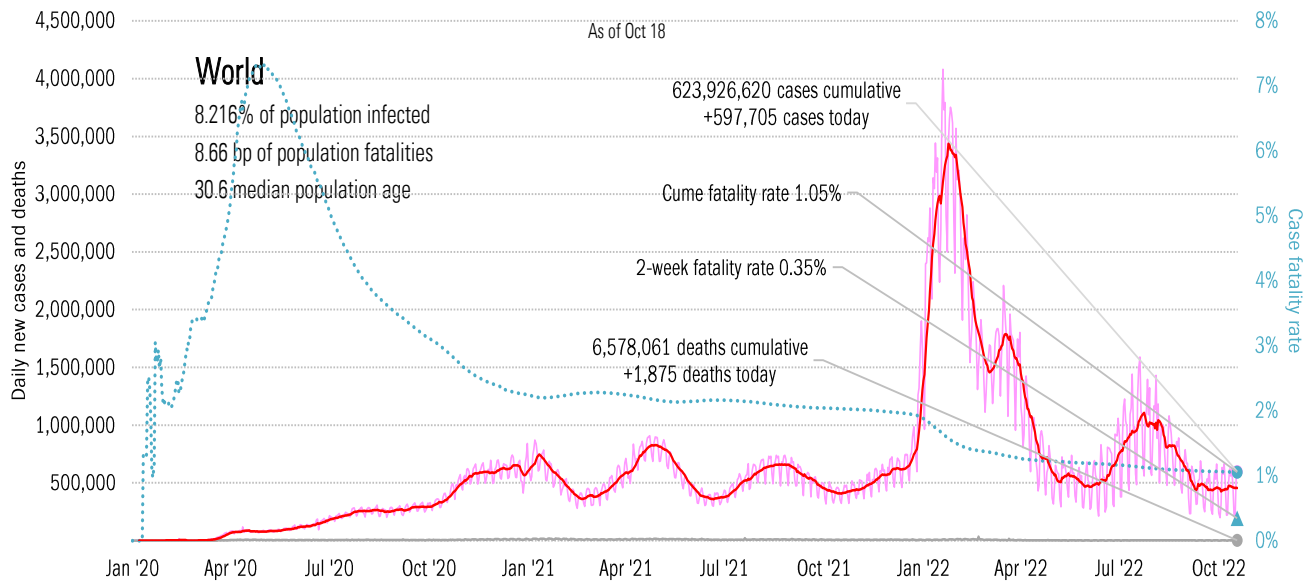
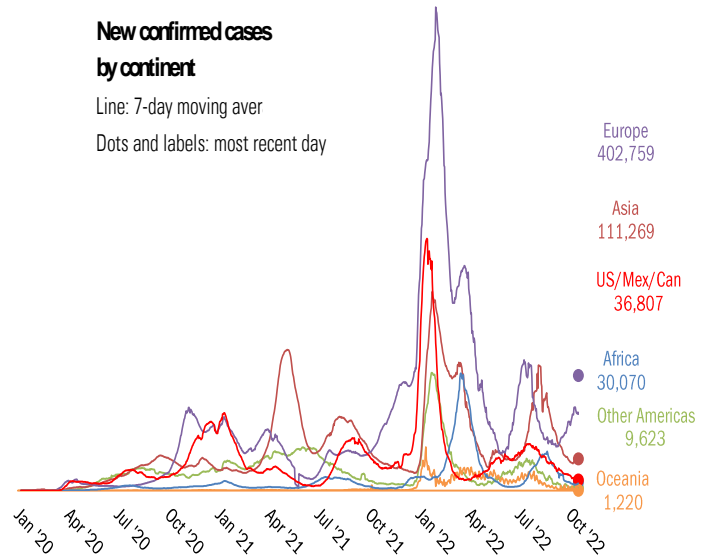
Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Germany	130,074	United States	463
France	87,666	Germany	248
Italy	58,357	Ukraine	204
Greece	55,487	Greece	113
United States	46,848	Italy	113
Taiwan*	44,854	France	101
Japan	42,294	Russia	90
Korea, South	29,482	Japan	56
Ukraine	22,982	Korea, South	43
Singapore	11,934	Canada	37
<b>529,978</b>		<b>1,468</b>	
World	597,705	World	1,875
Top ten	89%	Top ten	78%

#### 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:

Donald Luskin: 214 550 2121 [don@trendmacro.com](mailto:don@trendmacro.com)  
 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

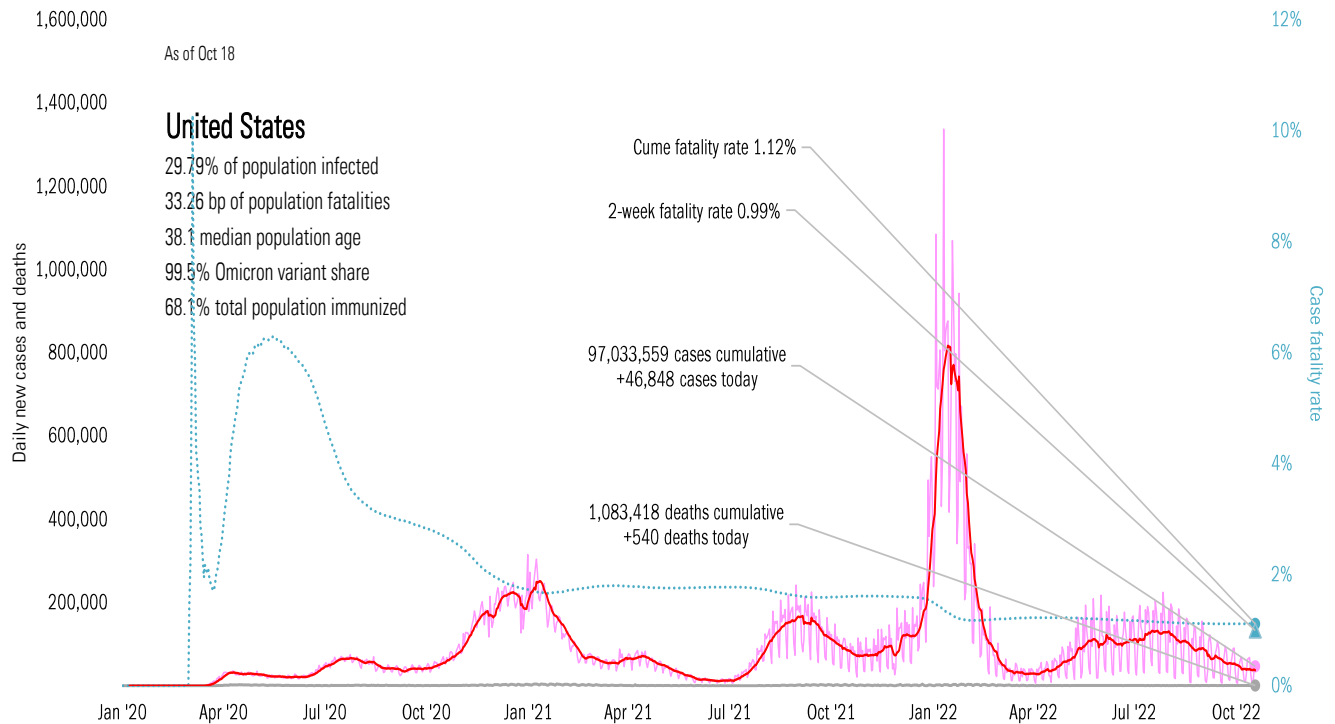
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
MI	12,414		NY	62	PA	198	CA	11,322,413	CA	96,458	TX	548,854	RI	90%	TX	85%					
NY	3,549		FL	37	MT	19	TX	8,028,702	TX	91,095	CA	504,573	MA	85%	MA	83%					
FL	3,227		MO	29	CO	39	FL	7,179,341	FL	82,099	FL	496,741	WA	83%	NH	83%					
NJ	1,944		MI	25	FR	9	NY	6,196,506	NY	72,285	NY	305,886	MN	82%	RI	81%					
KY	1,875		CA	21	NM	18	IL	3,789,532	PA	47,442	GA	226,942	MO	81%	AL	79%					
CA	1,570		TX	18	SD	12	PA	3,280,746	GA	40,448	CH	220,712	MD	81%	AK	78%					
MD	1,549		PA	17	NH	19	NC	3,220,858	CH	40,037	PA	207,014	GA	81%	WA	78%					
NC	1,432		MD	16	CK	27	CH	3,162,278	IL	39,867	IL	189,016	DE	80%	GA	78%					
IL	1,333		VA	16	AZ	49	GA	2,913,382	MI	39,092	MI	164,941	NH	80%	VT	78%					
WA	1,287		DE	15	HI	14	MI	2,874,009	NJ	34,834	KY	145,885	MI	80%	NM	77%					
30,180			256			404			51,967,767			583,657			3,010,564						
All states 46,848			463			2,818			All states 97,033,559			1,083,418			5,463,406			All states 70%		67%	
Top ten 64%			55%			14%			Top ten 54%			55%			55%			Median 75%		70%	

Some states not reporting

## Five most improved US states

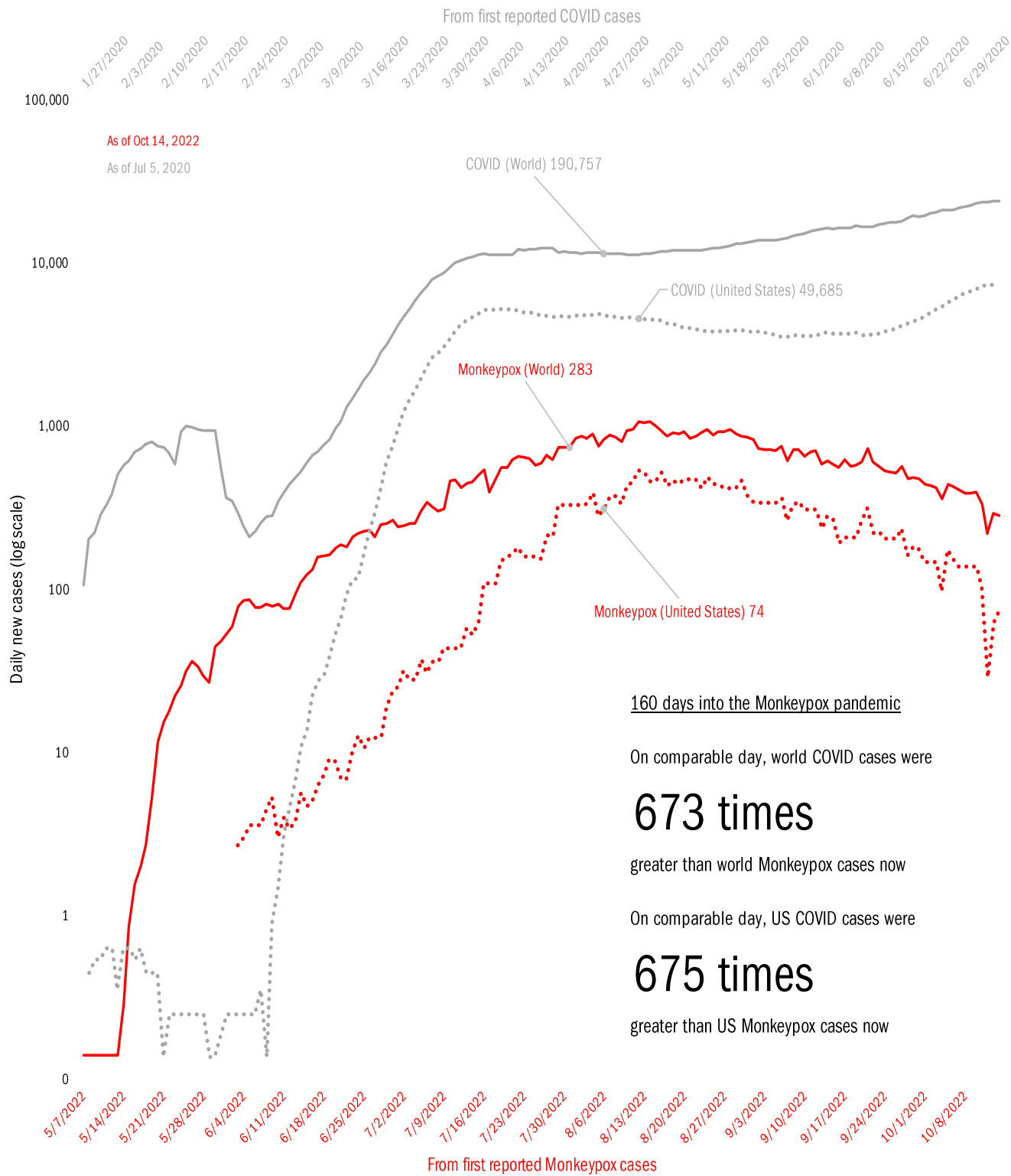
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-5,696	FL	-14	NY	-95
CH	-1,219	WI	-6	NC	-70
TX	-915	WV	-3	IL	-60
NH	-197	CO	-2	FL	-56
CK	-104	IL	-2	CH	-54



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

# The Monkeypox contextualizer

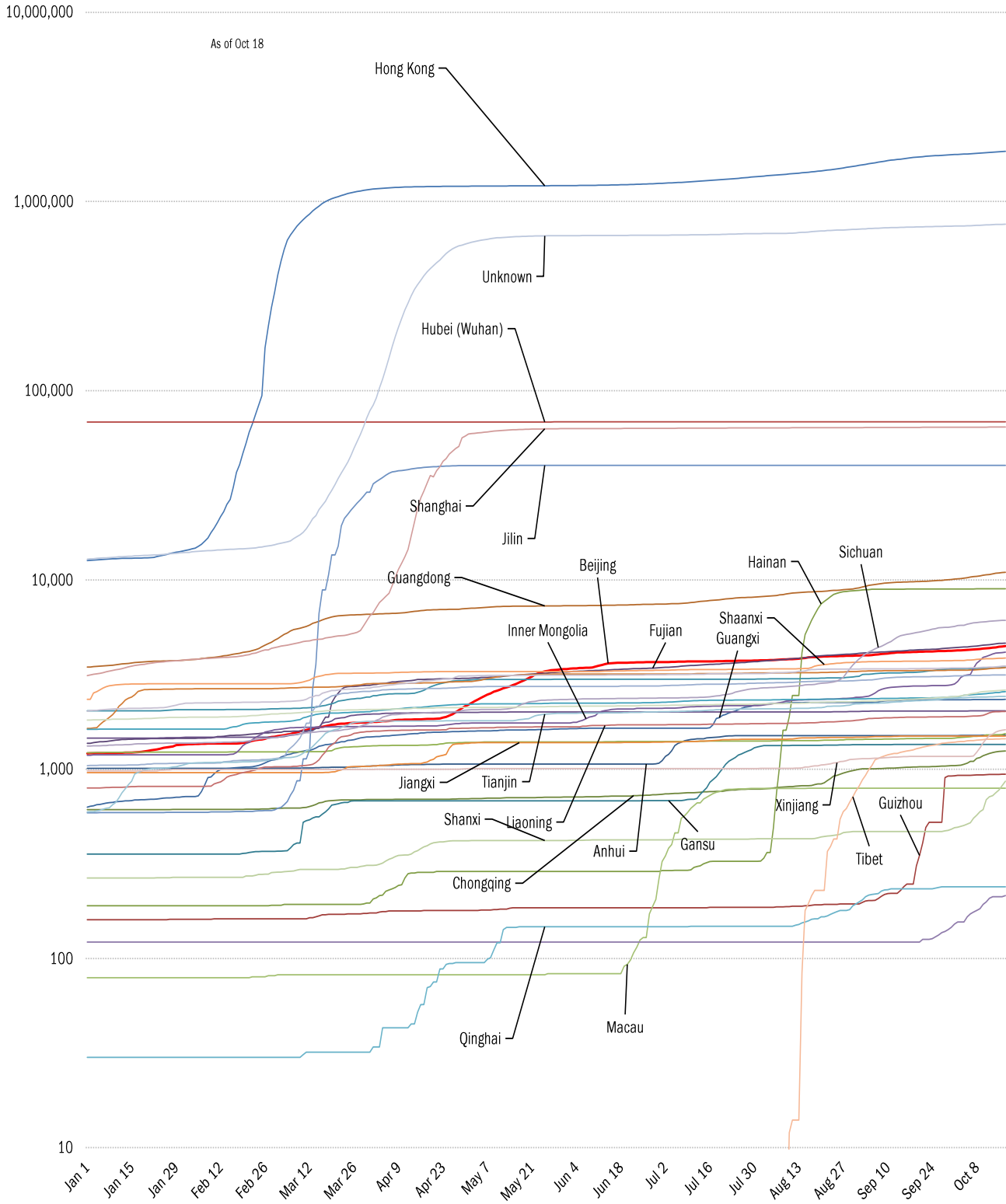
## The course of case growth versus COVID



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"*

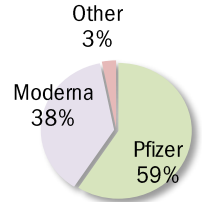


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	643,583,151		+0.536 million	US	68.1%	79.9%
of which boosters	113,097,158		+0.042 million	UK	75.4%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	273,344,554	82%	232,908,646	70%	+0.049 million	France 78.7% 81.0%
Age 12 to 17	18,261,175	72%	15,609,028	62%	+0.002 million	Spain 85.6% 87.0%
Age 18 to 64	182,139,977	90%	154,856,290	76%	+0.024 million	Germany 76.1% 77.7%
Age 65 and over	60,207,686	100%	52,698,897	96%	+0.016 million	Italy 81.0% 85.8%
						Australia 84.0% 86.6%
						Israel 66.2% 72.3%
						Canada 82.8% 87.8%
						Japan 82.6% 83.7%
						Africa 24.1% 30.1%
						India 67.4% 72.9%
						Brazil 80.4% 87.4%
						China 89.2% 91.4%



AK	71.9%
	64.4%

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

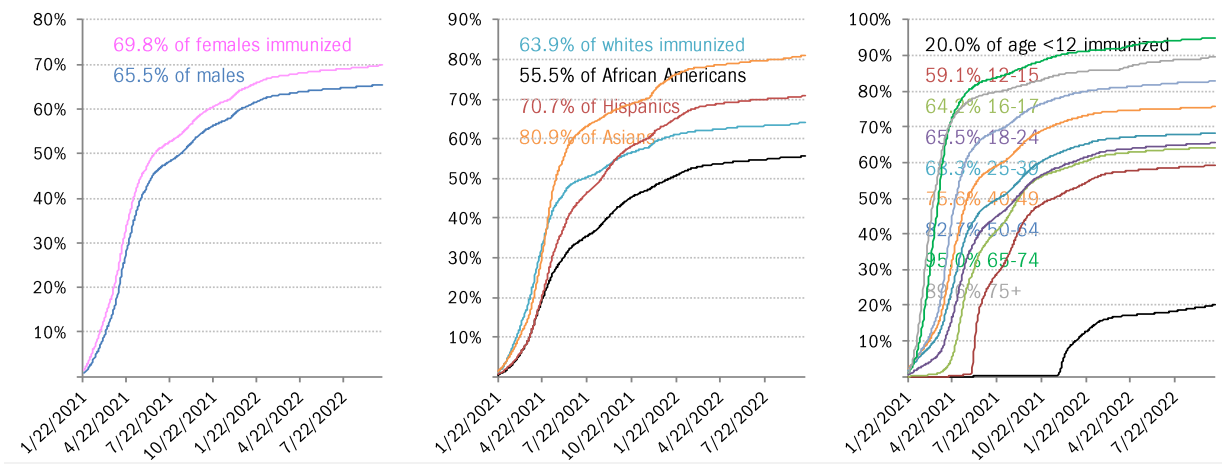
"Immunity" = two doses

Global data differs due to sources, timing

As of Oct 14

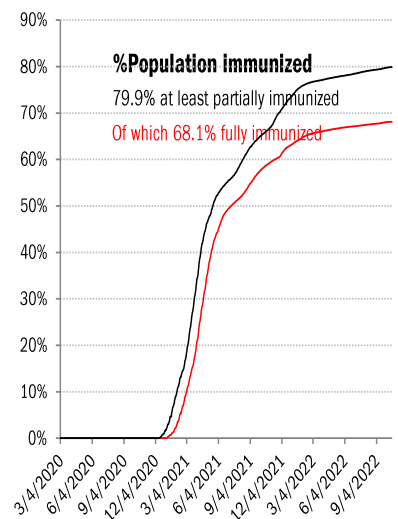
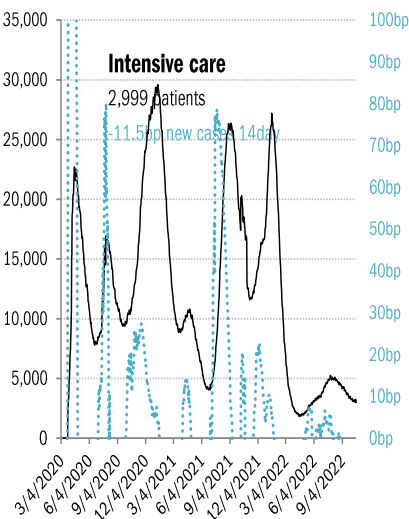
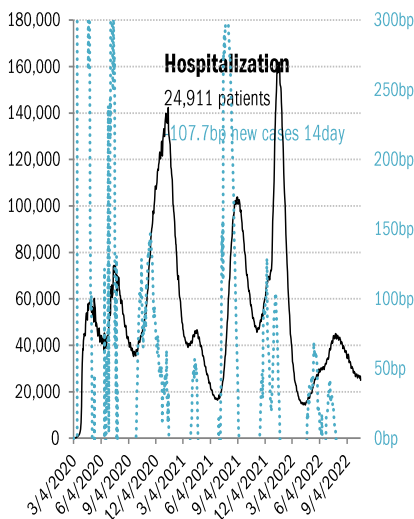
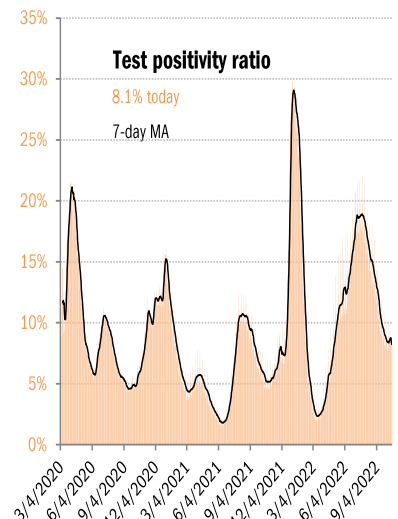
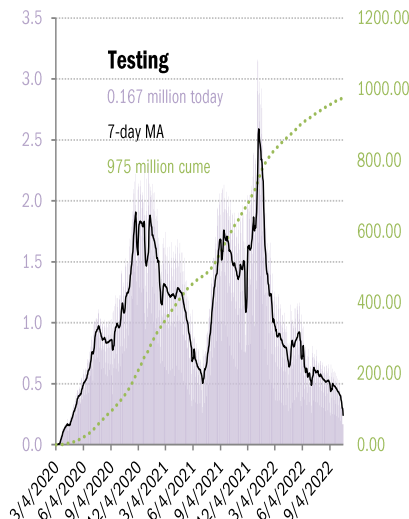
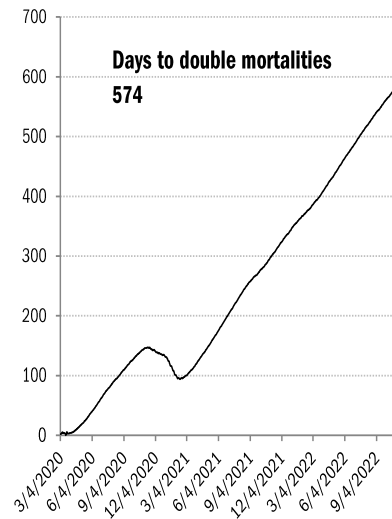
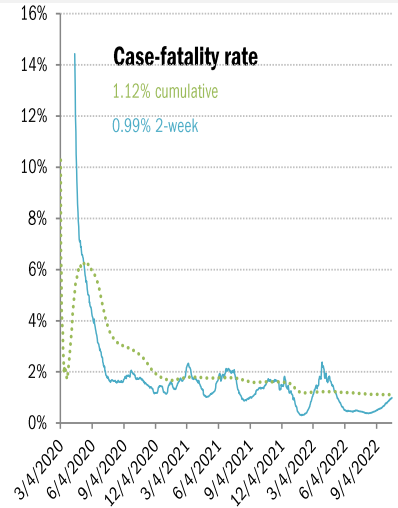
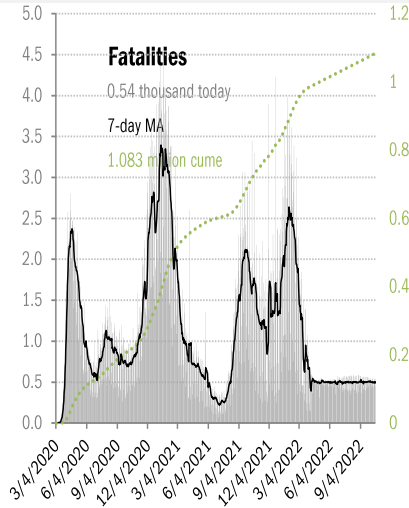
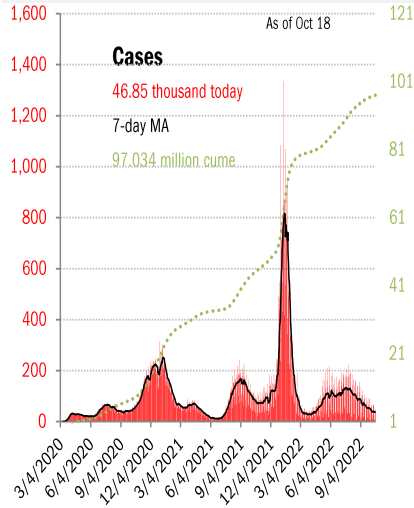
					WI						ME
					73.8%						94.3%
					67.2%						81.9%
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH
83.6%	62.9%	67.0%	67.8%	77.4%	78.0%	68.6%			92.7%	95.0%	84.7%
74.7%	55.6%	58.3%	57.3%	70.9%	70.3%	61.5%			79.3%	83.7%	69.6%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA	
80.0%	77.5%	59.7%	80.5%	69.6%	63.5%	64.8%	88.2%		93.1%	95.0%	
71.2%	62.5%	52.2%	64.4%	63.4%	57.1%	59.7%	71.3%		77.8%	82.0%	
CA	UT	CO	NE	MO	KY	WV	VA		MD	CT	RI
85.0%	74.1%	82.1%	72.2%	68.1%	67.8%	66.6%	88.7%		89.8%	95.0%	95.0%
74.1%	65.8%	72.3%	65.2%	57.9%	58.8%	59.0%	75.3%		78.2%	81.5%	85.9%
	AZ	NM	KS	AR	TN	NC	SC		DC	DE	
	76.2%	91.5%	74.8%	68.7%	63.7%	88.9%	69.8%		95.0%	86.2%	
	63.7%	73.5%	64.0%	56.0%	55.7%	64.8%	58.9%		81.7%	71.7%	
			OK	LA	MS	AL	GA				
			73.3%	62.3%	61.1%	64.2%	67.3%				
			59.3%	54.6%	53.2%	52.4%	56.4%				
			TX						FL		PR
			74.9%						81.3%		95.0%
			62.4%						68.6%		85.7%

## The demographics of US vaccination

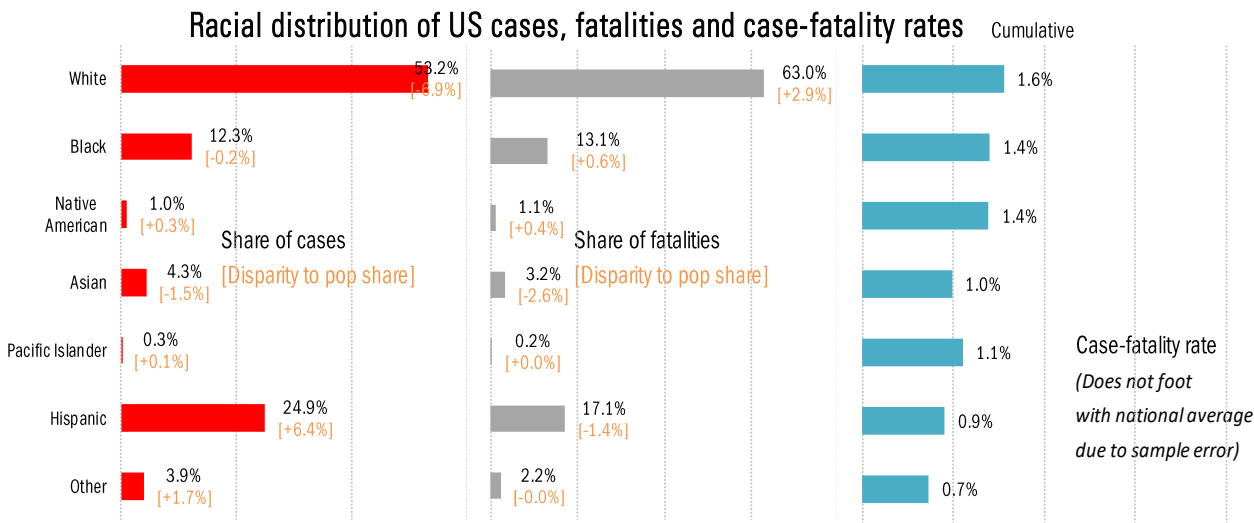
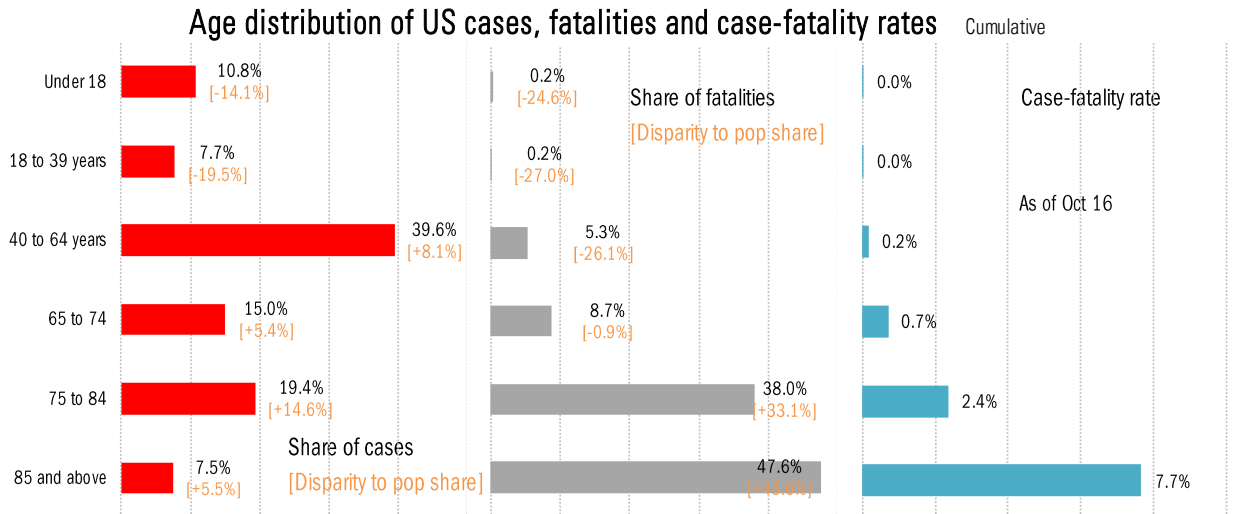


Source: CDC, CDC, Our World in Data, TrendMacro calculations

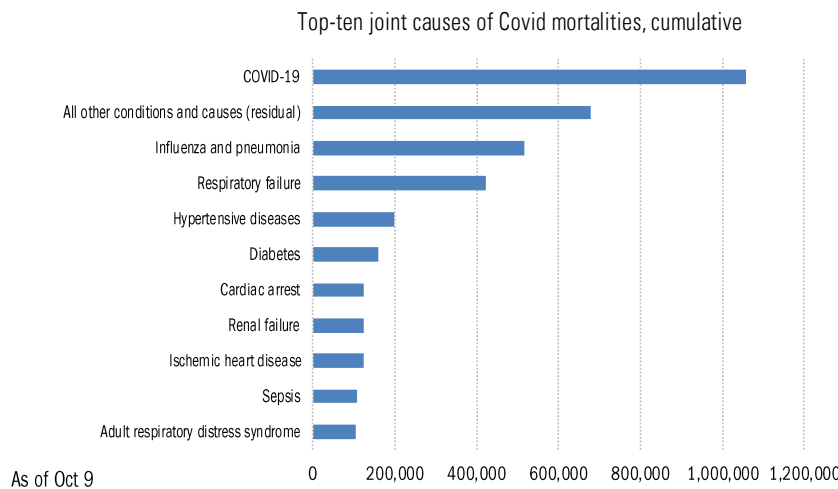
# US deep-dive



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

[Boston University researchers' testing of lab-made version of Covid virus draws government scrutiny](#)

Helen Branswell  
*Stat*  
October 17, 2022

[NIH probes whether Boston University COVID experiments should have triggered review](#)

Alexander Tin  
*CBS News*  
October 19, 2022

[BU researchers create hybrid COVID virus, causing friction with the government](#)

Ross Cristantiello  
*Boston.com*  
October 17, 2022

[The 'Age of P.C.R. Prosperity'? China's Covid-Testing Strategy Comes Under Strain.](#)

Alexandra Stevenson and Zixu Wang  
*New York Times*  
October 12, 2022

## Meme of the day

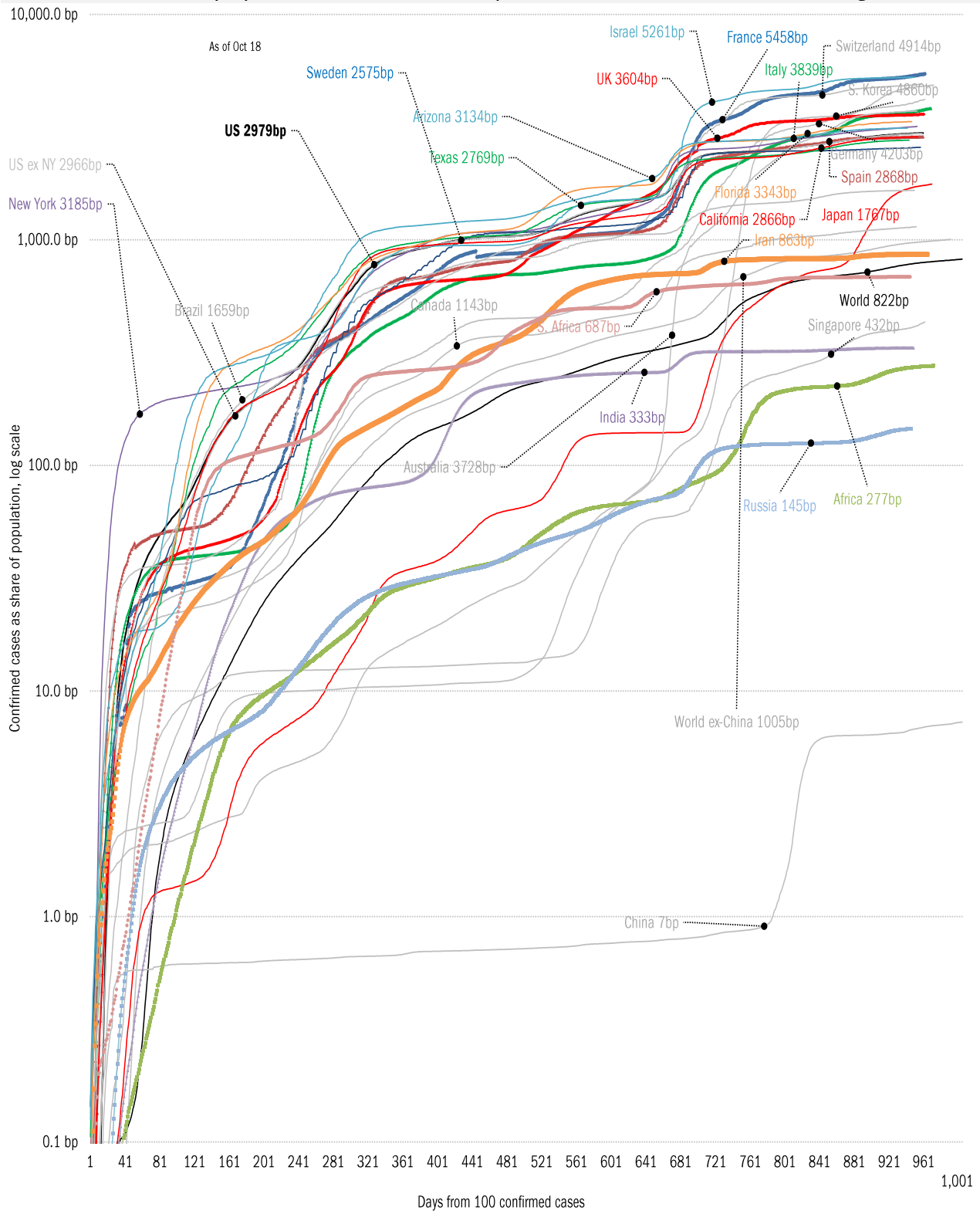


Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)



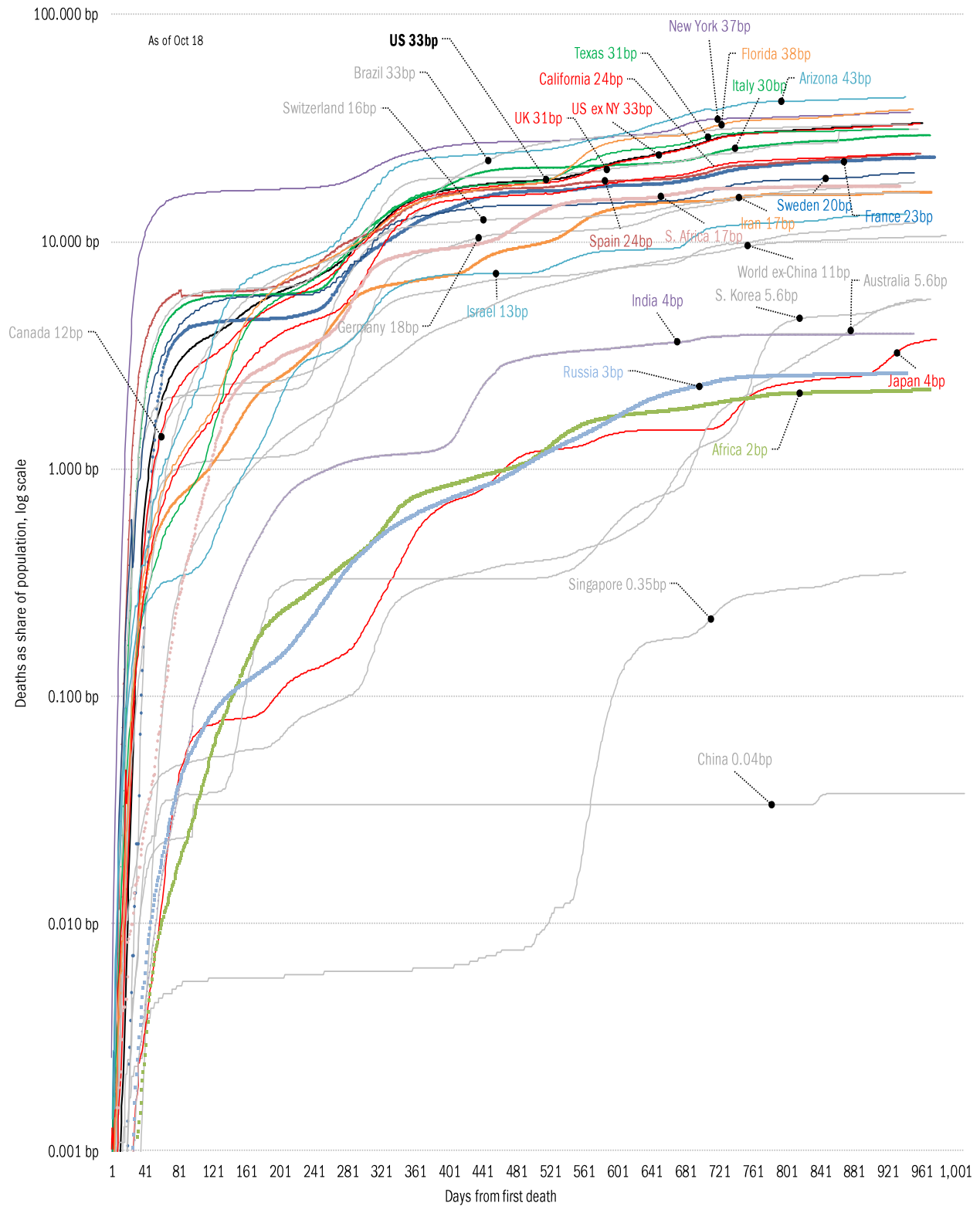
# The global coronavirus case accelerometer... tracking the world's infection curves

*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*

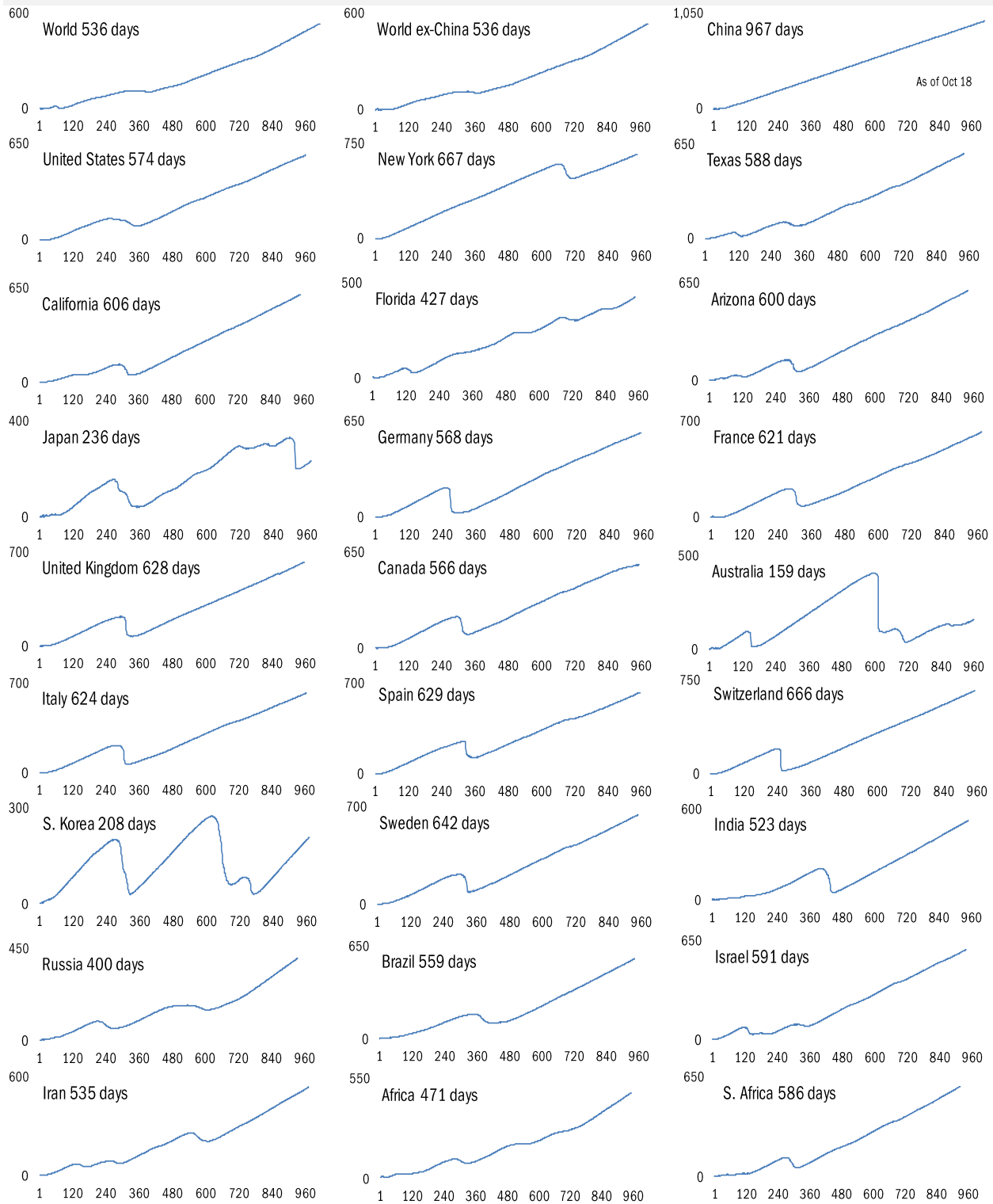


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

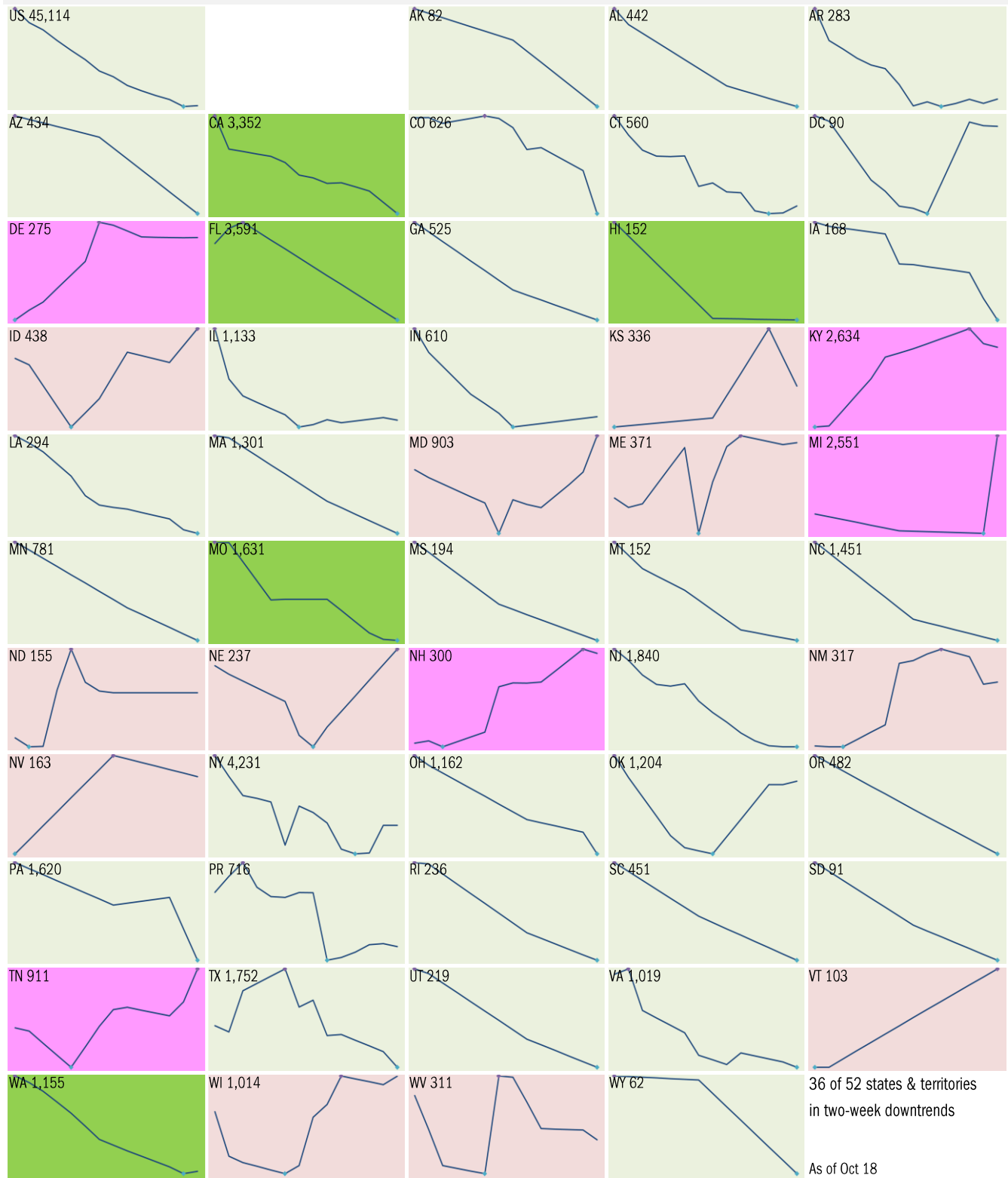


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

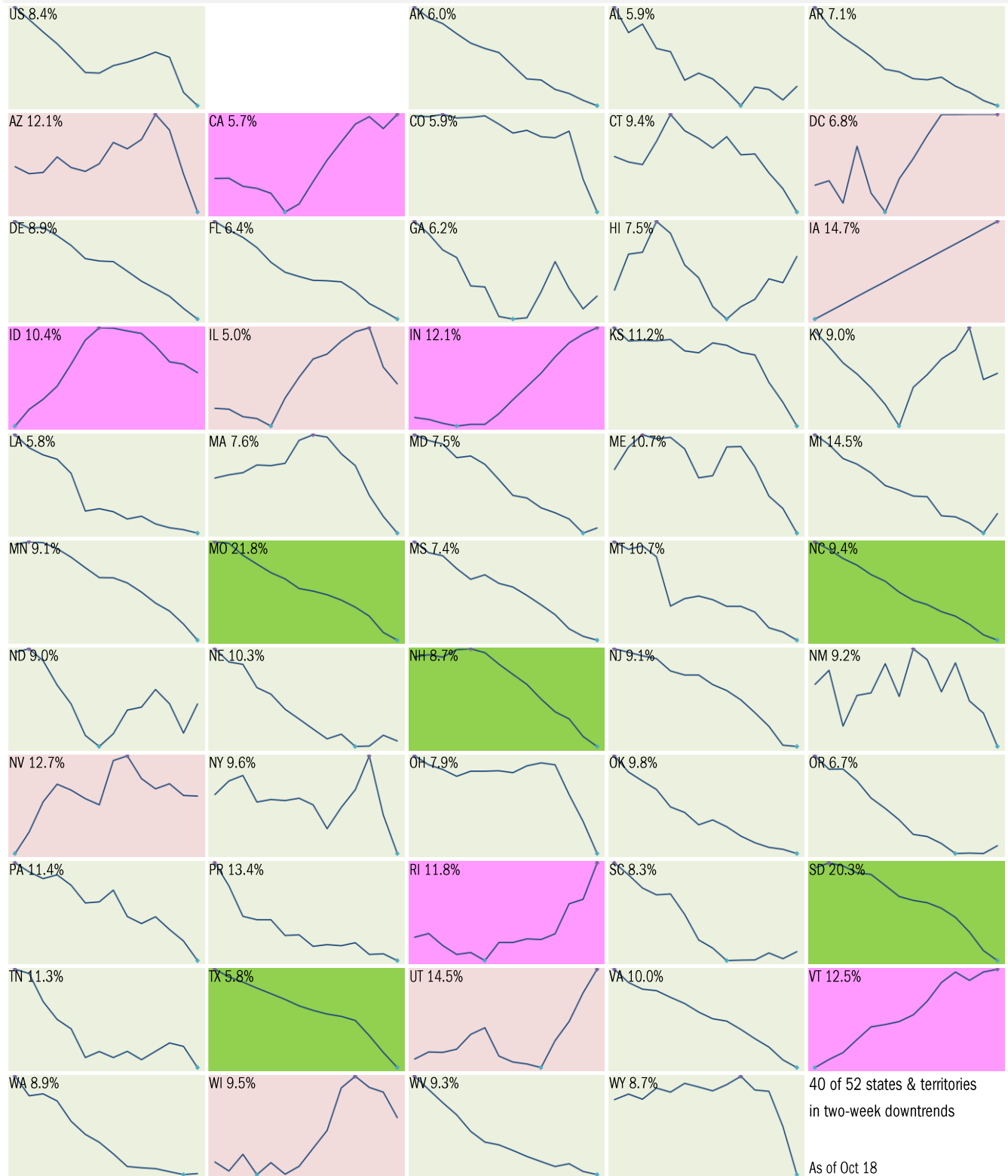


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

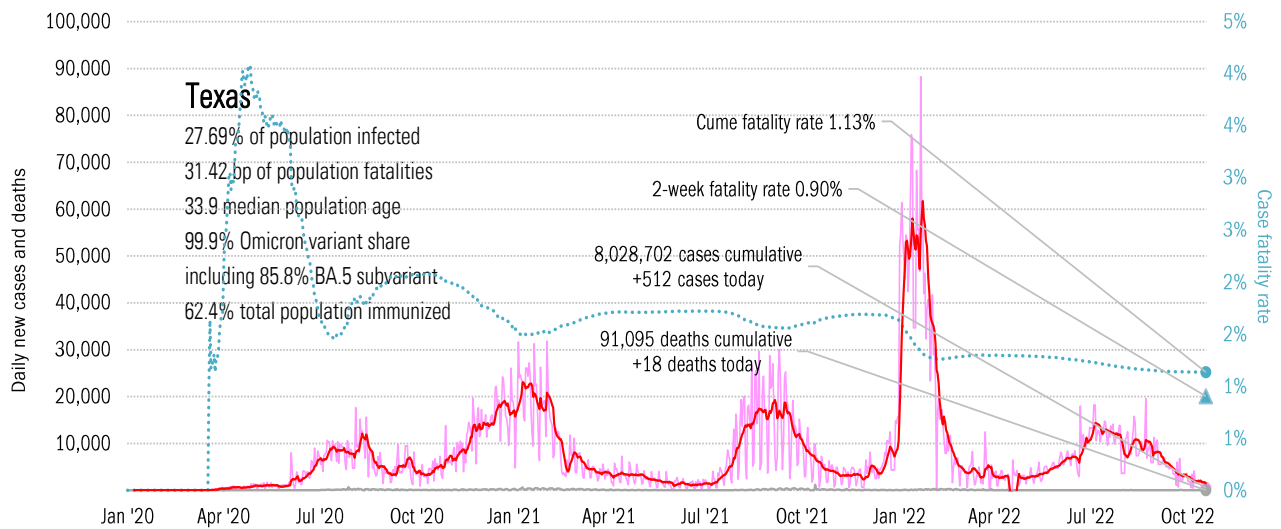
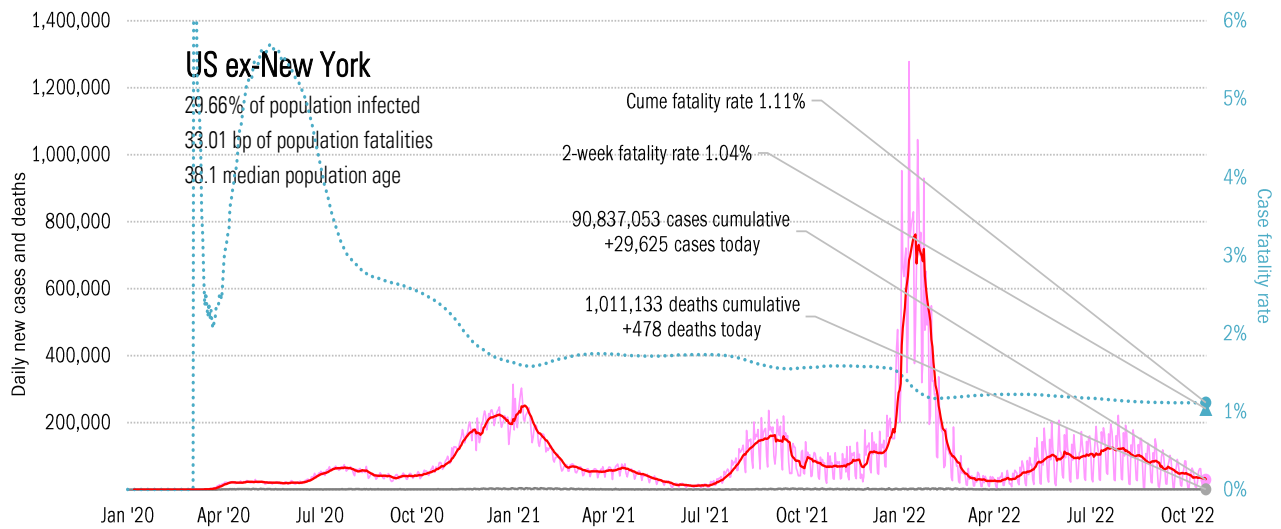
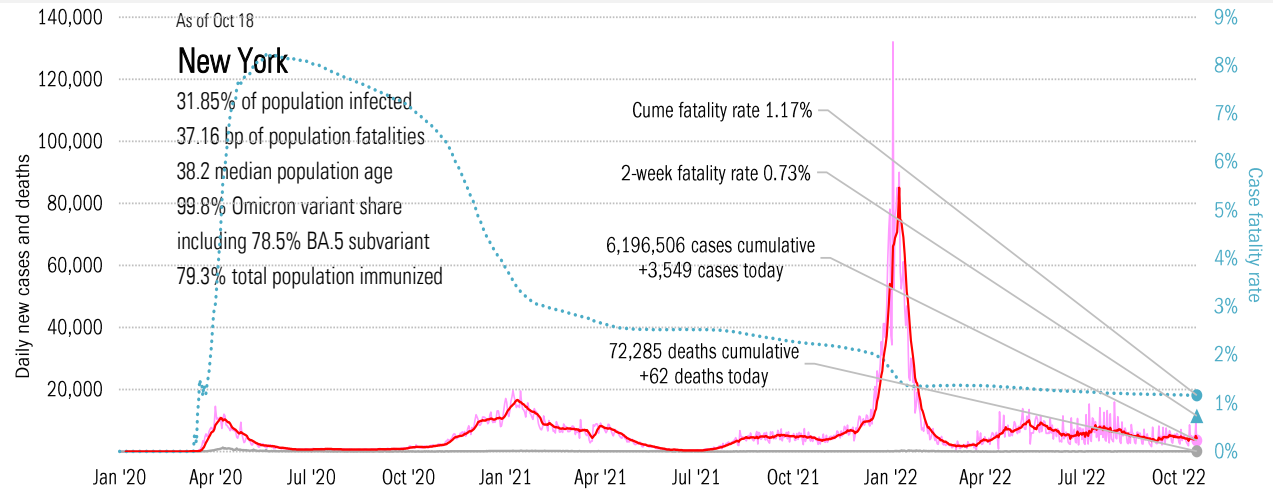
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

Cases: 7-day average and daily Deaths: Daily

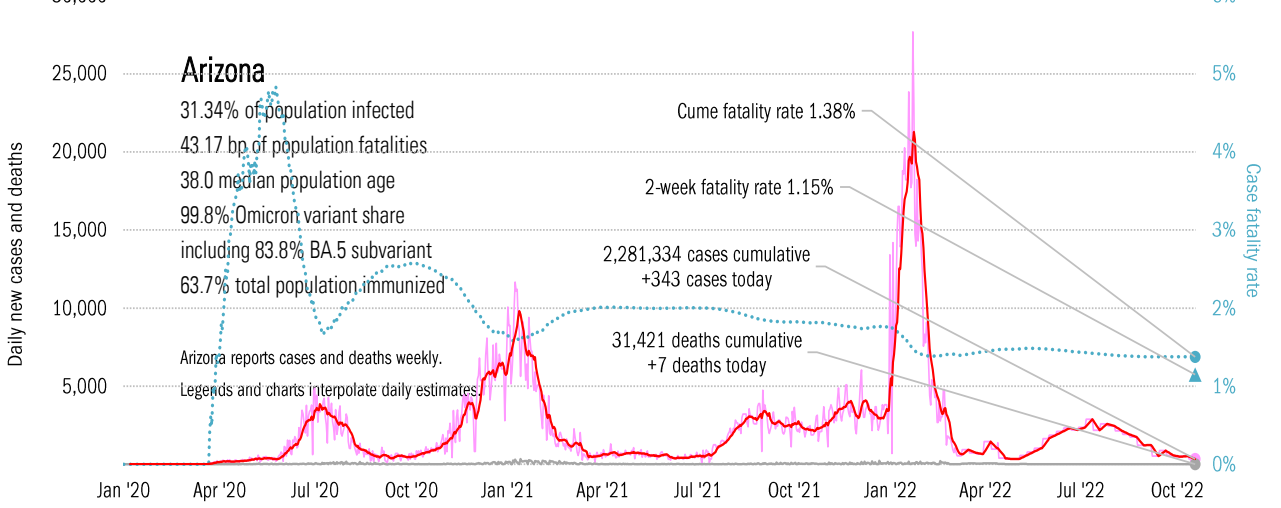
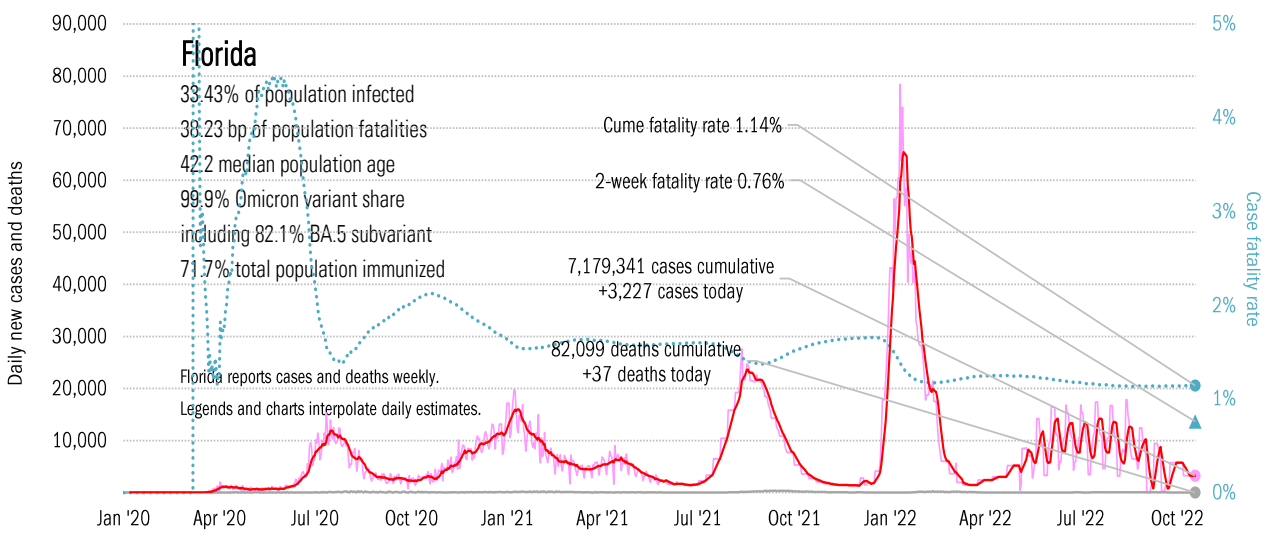
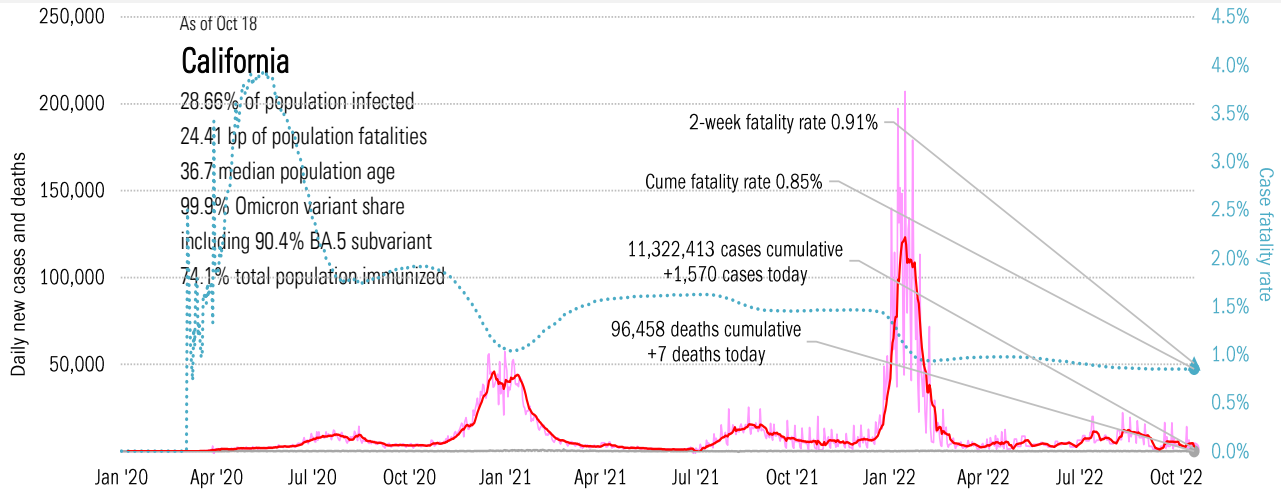


Source: [Johns Hopkins](#), TrendMacro calculations



# The sun-belt hot-spot states

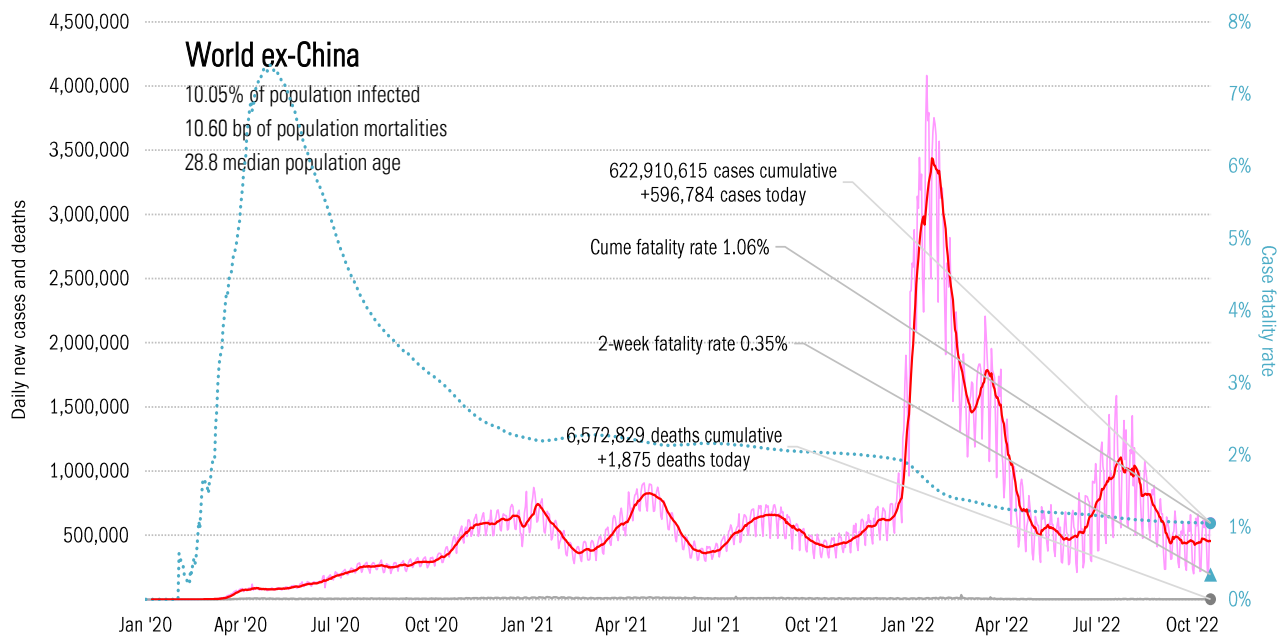
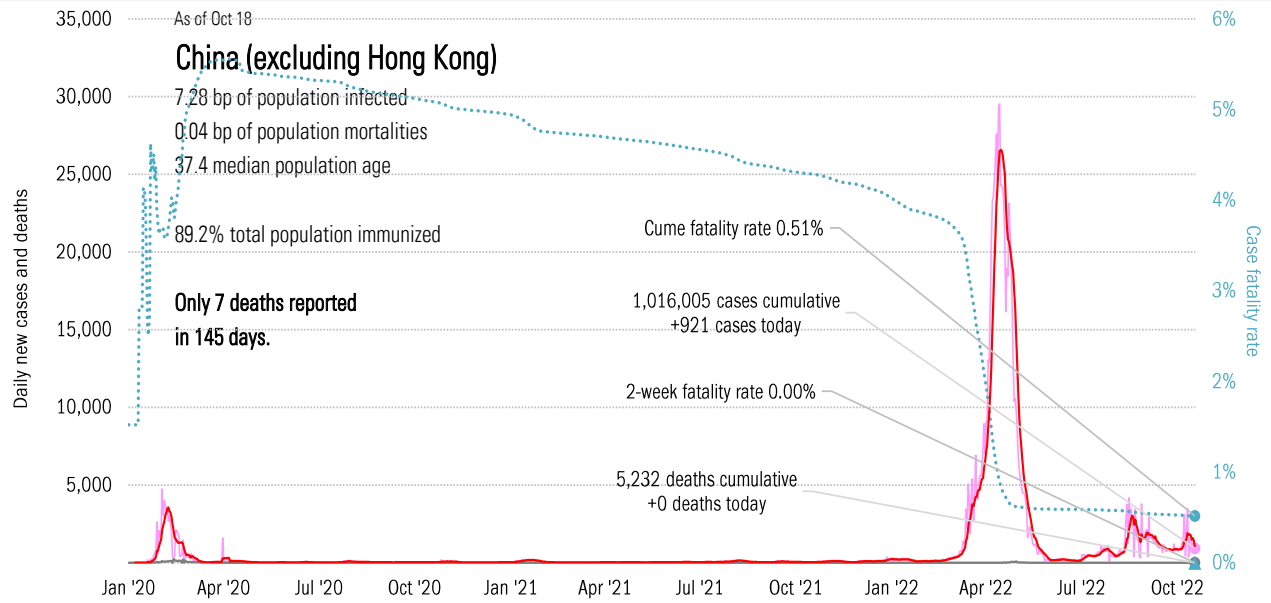
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

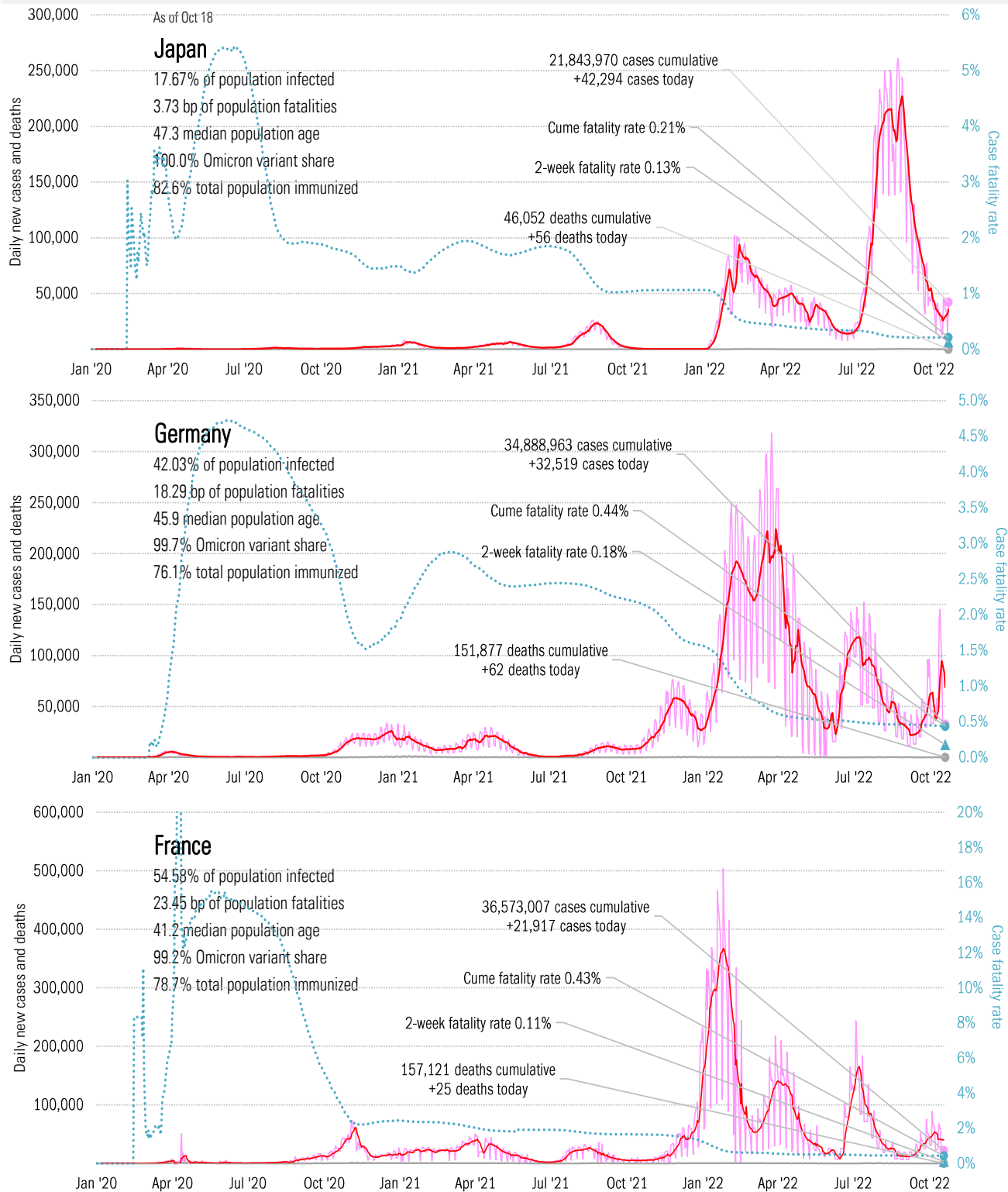
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

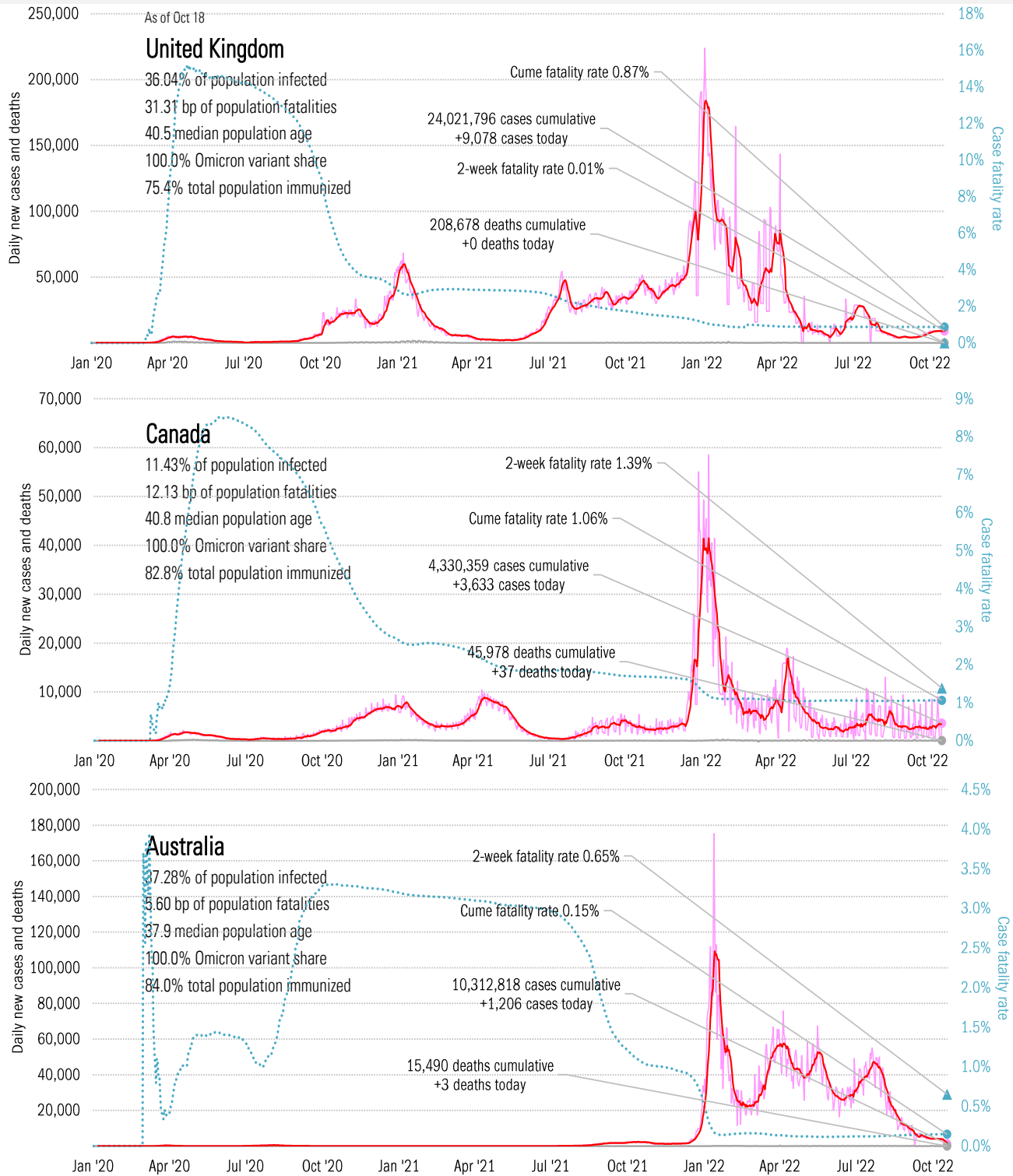
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

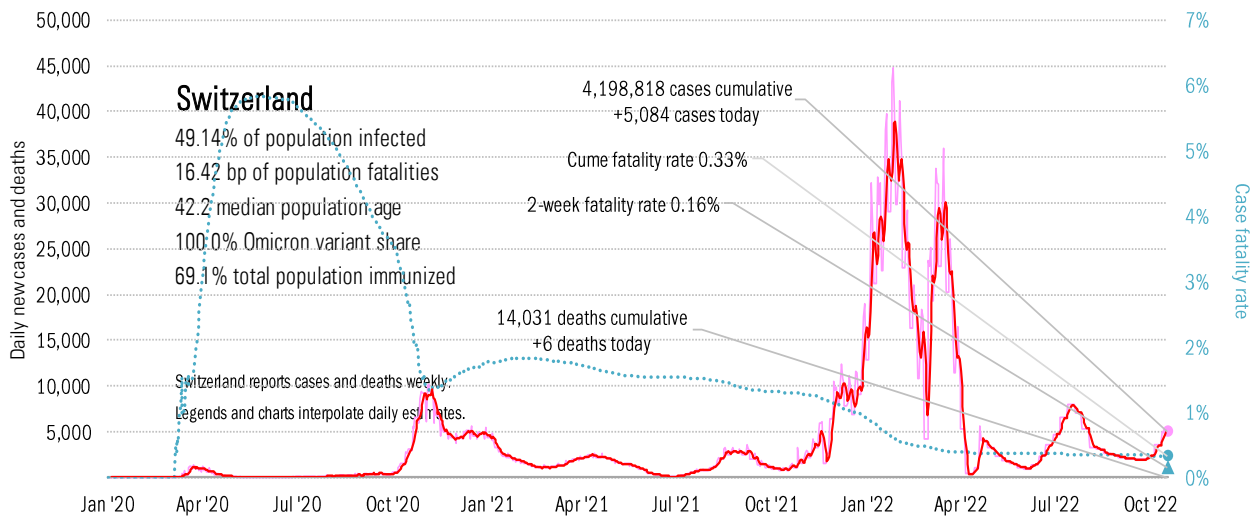
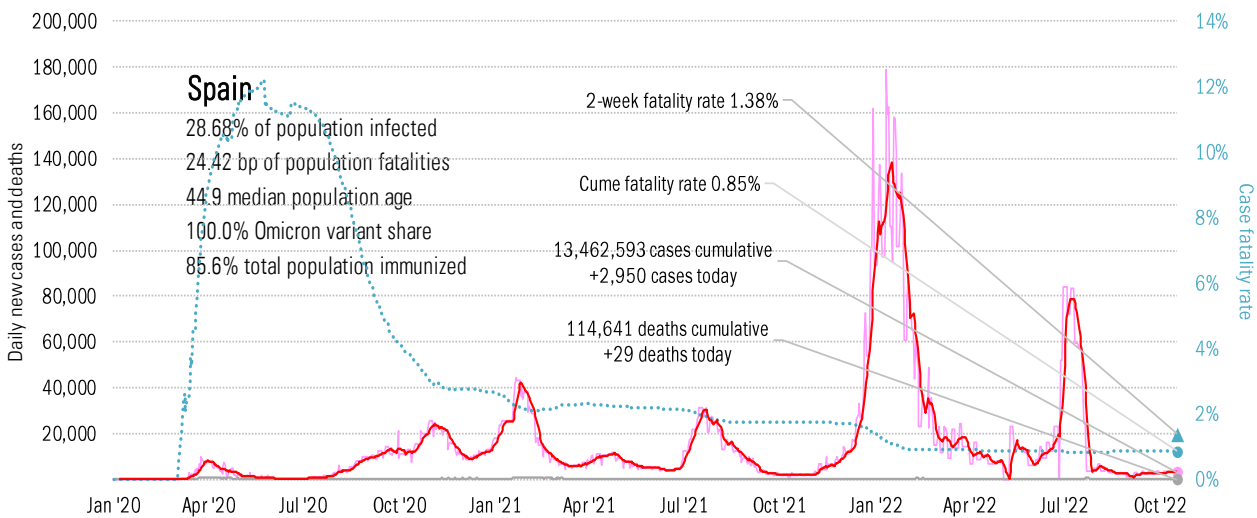
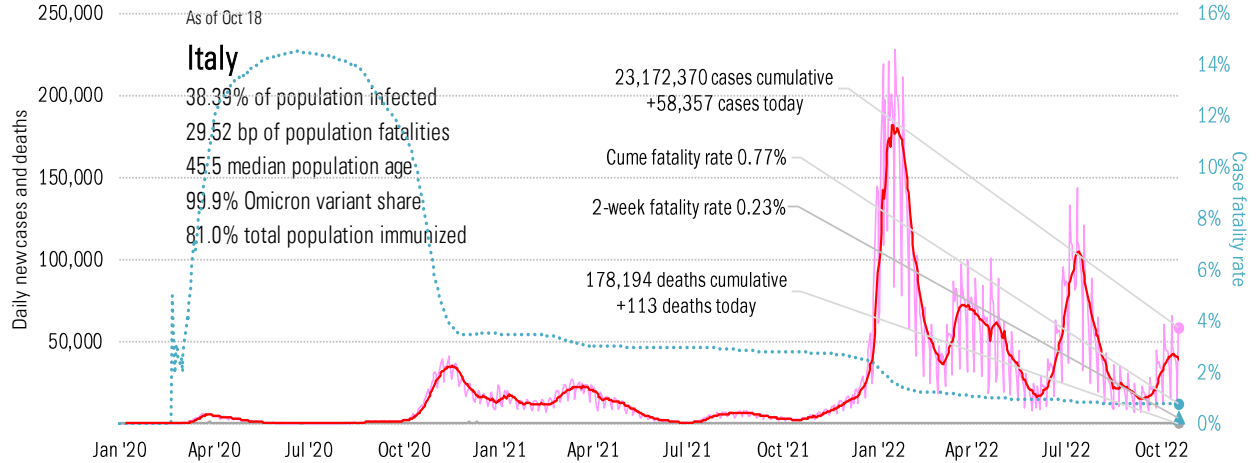
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

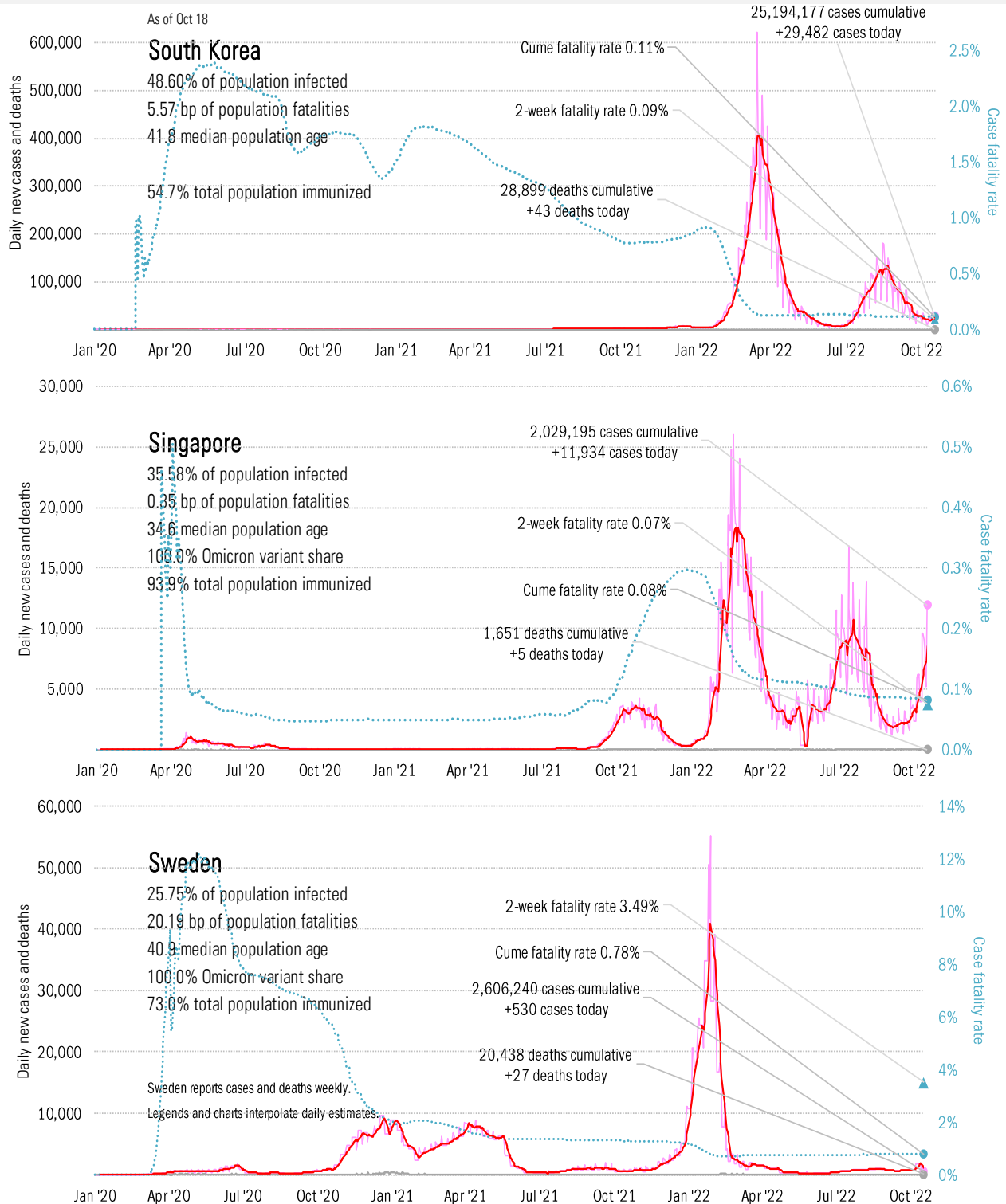
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

Cases: 7-day average and daily Deaths: Daily

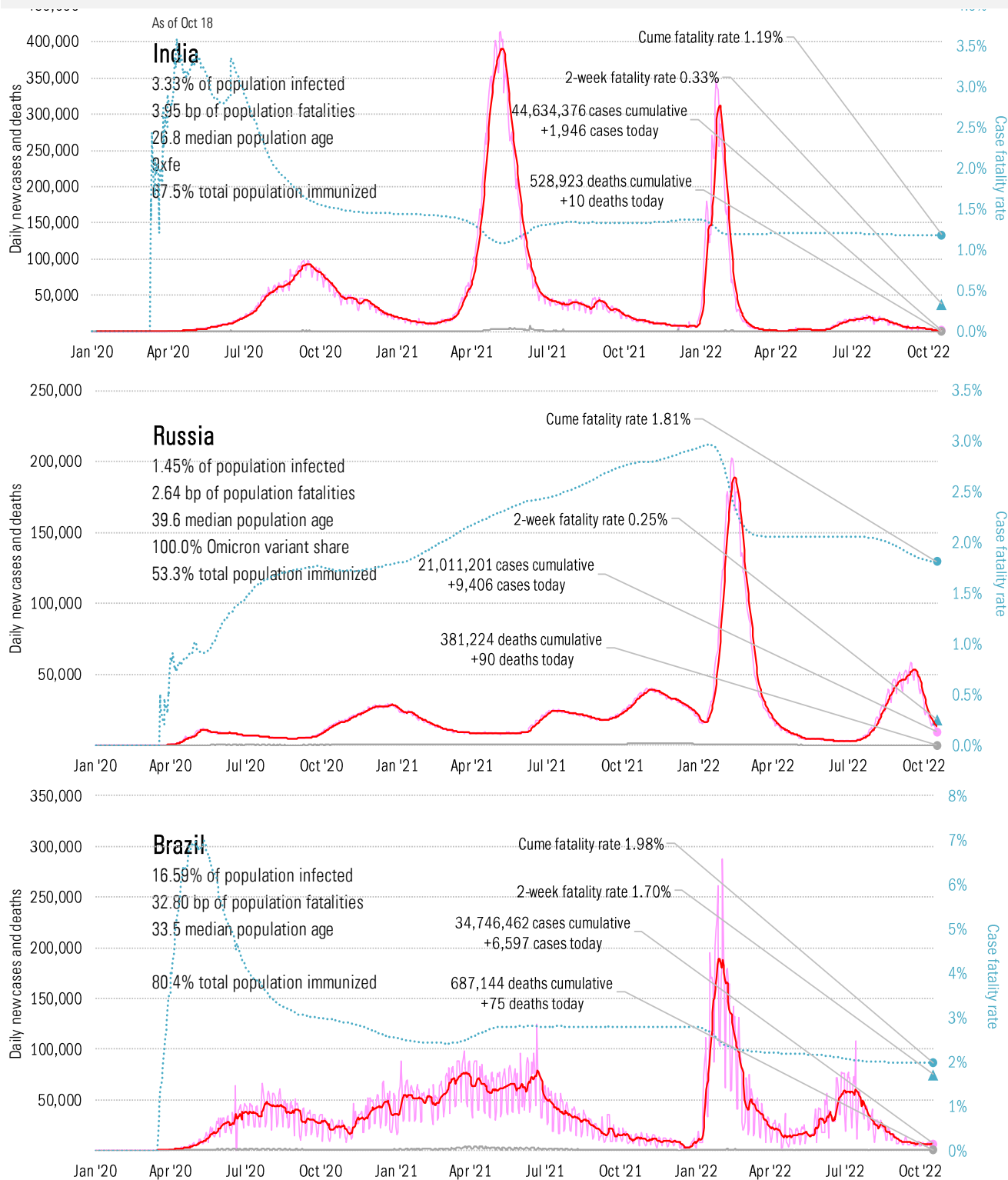


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the BRICs ex-China

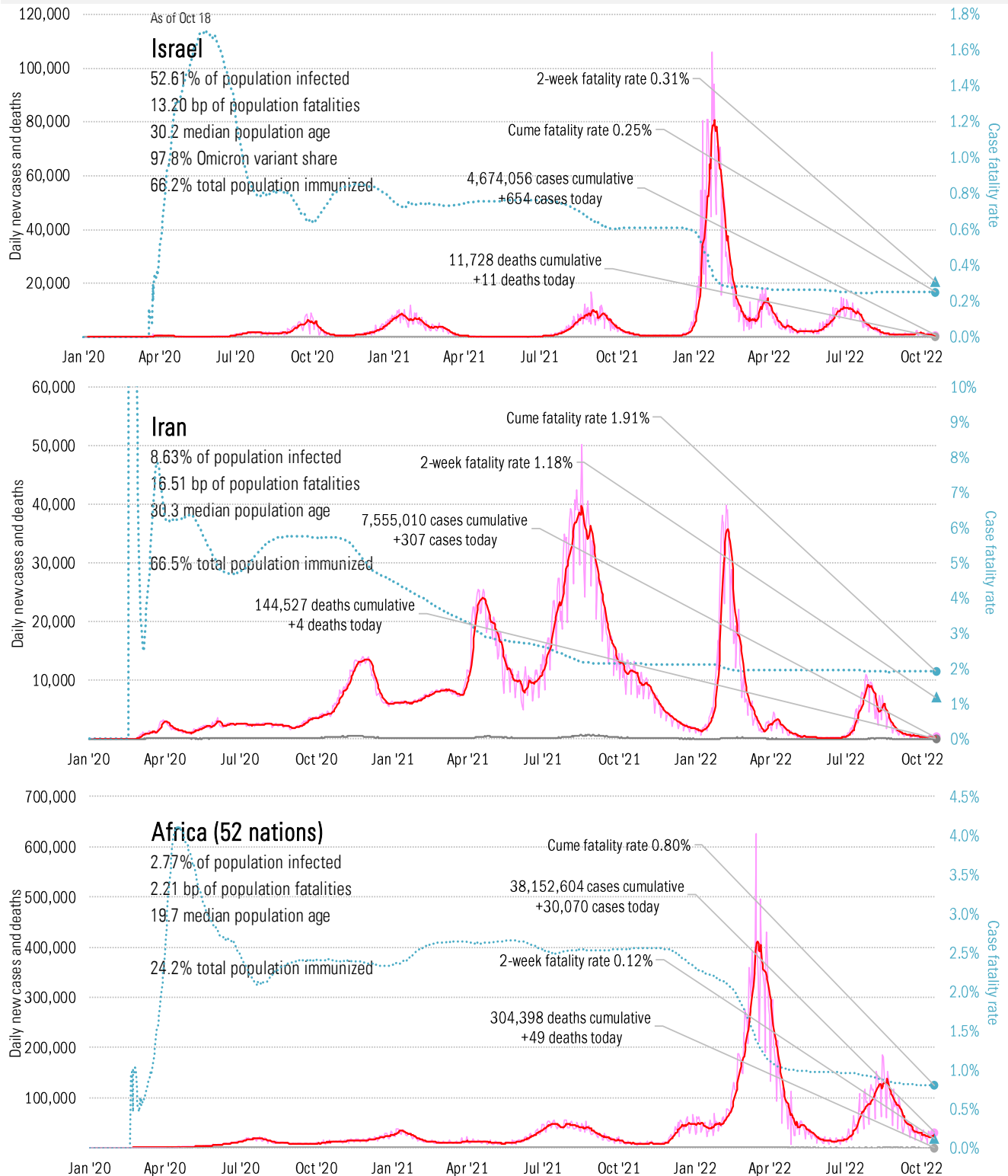
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

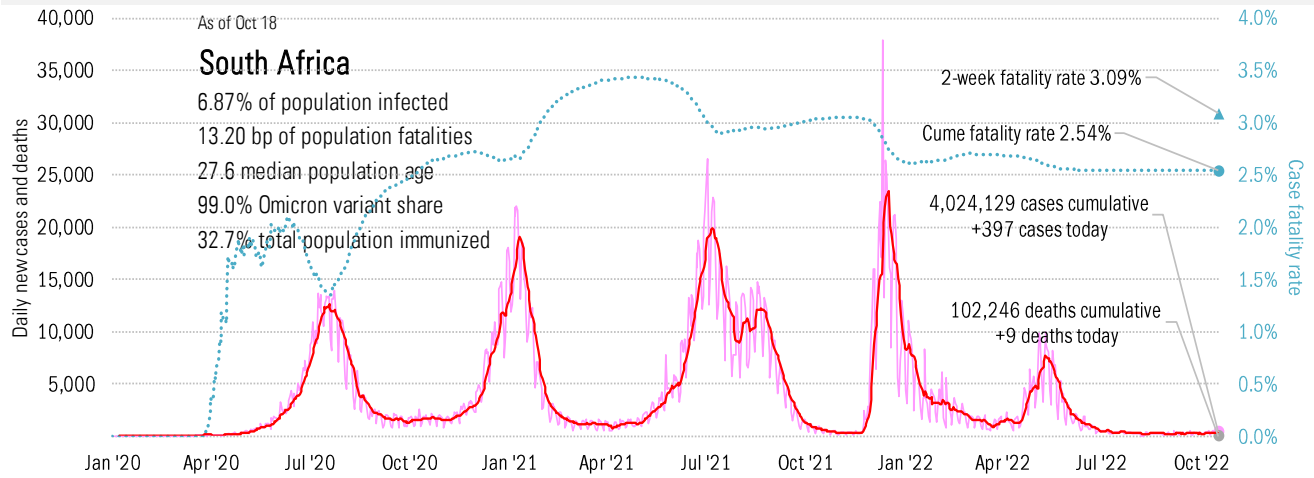
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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