

## Data Insights: Covid-2019 Monitor

Saturday, October 8, 2022

### The global scorecard

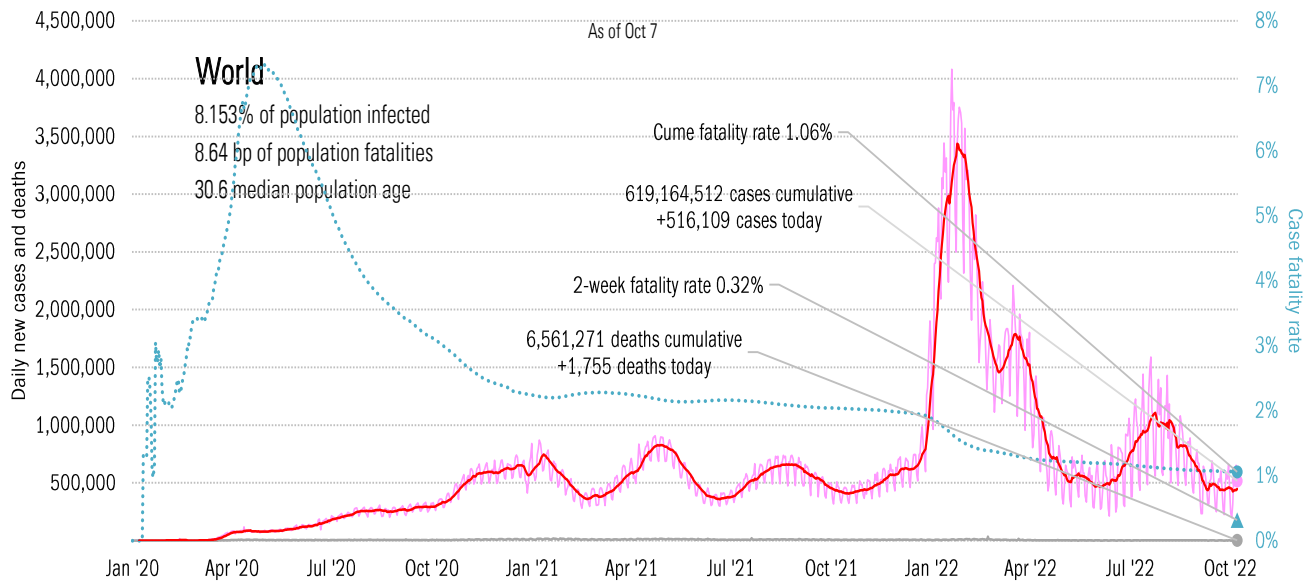
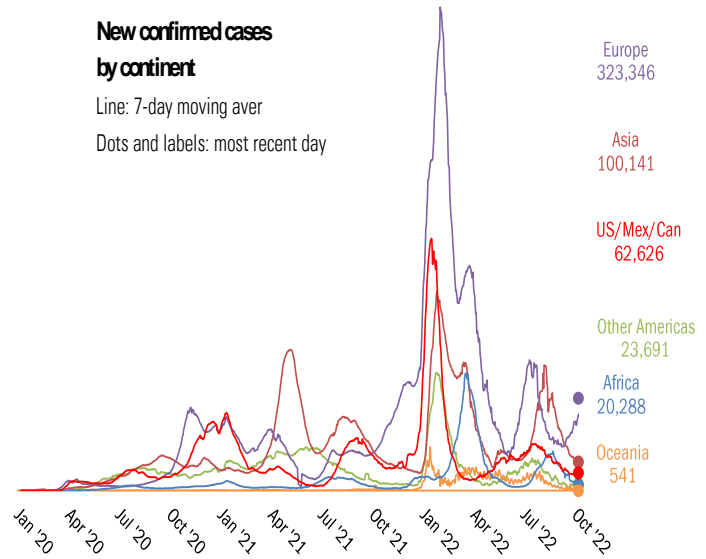
Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Germany	122,265	United States	614
France	61,164	Spain	206
United States	54,486	Germany	129
Taiwan*	50,725	Finland	124
Italy	44,665	Russia	103
Japan	29,443	Japan	73
Russia	22,057	Mexico	63
Korea, South	19,379	Italy	62
Austria	15,934	France	53
Finland	14,926	Taiwan*	52
<b>435,044</b>		<b>1,479</b>	
World	516,109	World	1,755
Top ten	84%	Top ten	84%

#### 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

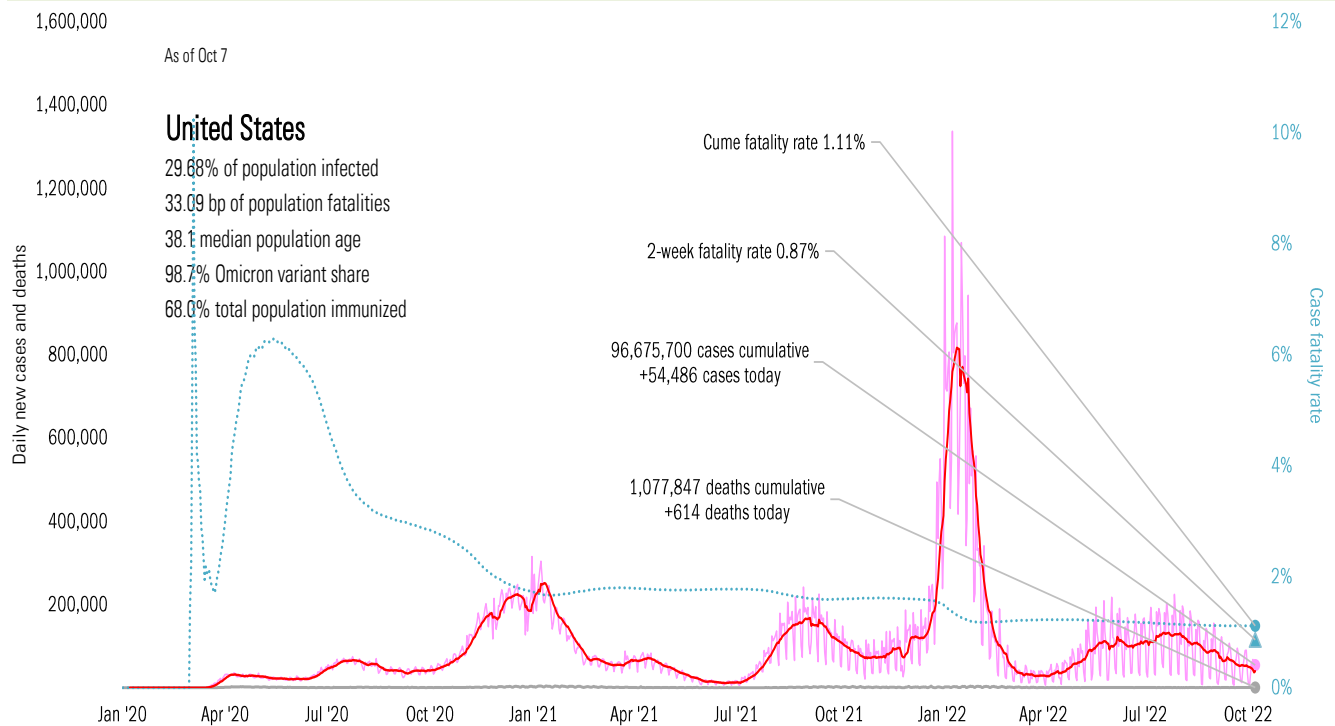
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use			
CA	7,388		CA	84		NJ	169		CA	11,296,777		CA	96,217		TX	547,015		RI	92%		RI	87%	
NY	4,291		TN	54		MA	150		TX	8,010,466		TX	91,017		CA	501,616		MA	89%		NH	86%	
TX	4,121		NC	47		PA	210		FL	7,159,977		FL	81,685		FL	494,831		MN	86%		AK	86%	
MO	3,767		IN	40		GA	113		NY	6,150,748		NY	71,986		NY	301,769		WA	85%		MA	84%	
FL	3,227		FL	35		TX	213		IL	3,773,667		PA	47,323		GA	226,268		GA	84%		AL	84%	
KY	3,204		TX	35		MN	80		PA	3,266,934		GA	40,374		CH	219,125		MO	84%		NC	83%	
NJ	2,302		NY	32		MI	147		NC	3,210,837		CH	39,950		PA	204,862		NH	84%		NM	82%	
IL	1,922		AR	24		LA	55		CH	3,153,743		IL	39,777		IL	187,554		DE	83%		WA	82%	
MI	1,840		WA	22		VI	85		GA	2,909,760		MI	38,767		MI	163,468		WV	83%		TX	82%	
PA	1,731		MI	20		IN	51		MI	2,849,047		NJ	34,778		KY	145,399		MD	83%		GA	81%	
33,793			393			1,273			51,781,956			581,874			2,991,907								
All states 54,486			614			3,421			All states 96,675,700			1,077,847			5,429,204			All states 70%		67%			
Top ten 62%			64%			37%			Top ten 54%			55%			55%			Median 77%		74%			

Some states not reporting

## Five most improved US states

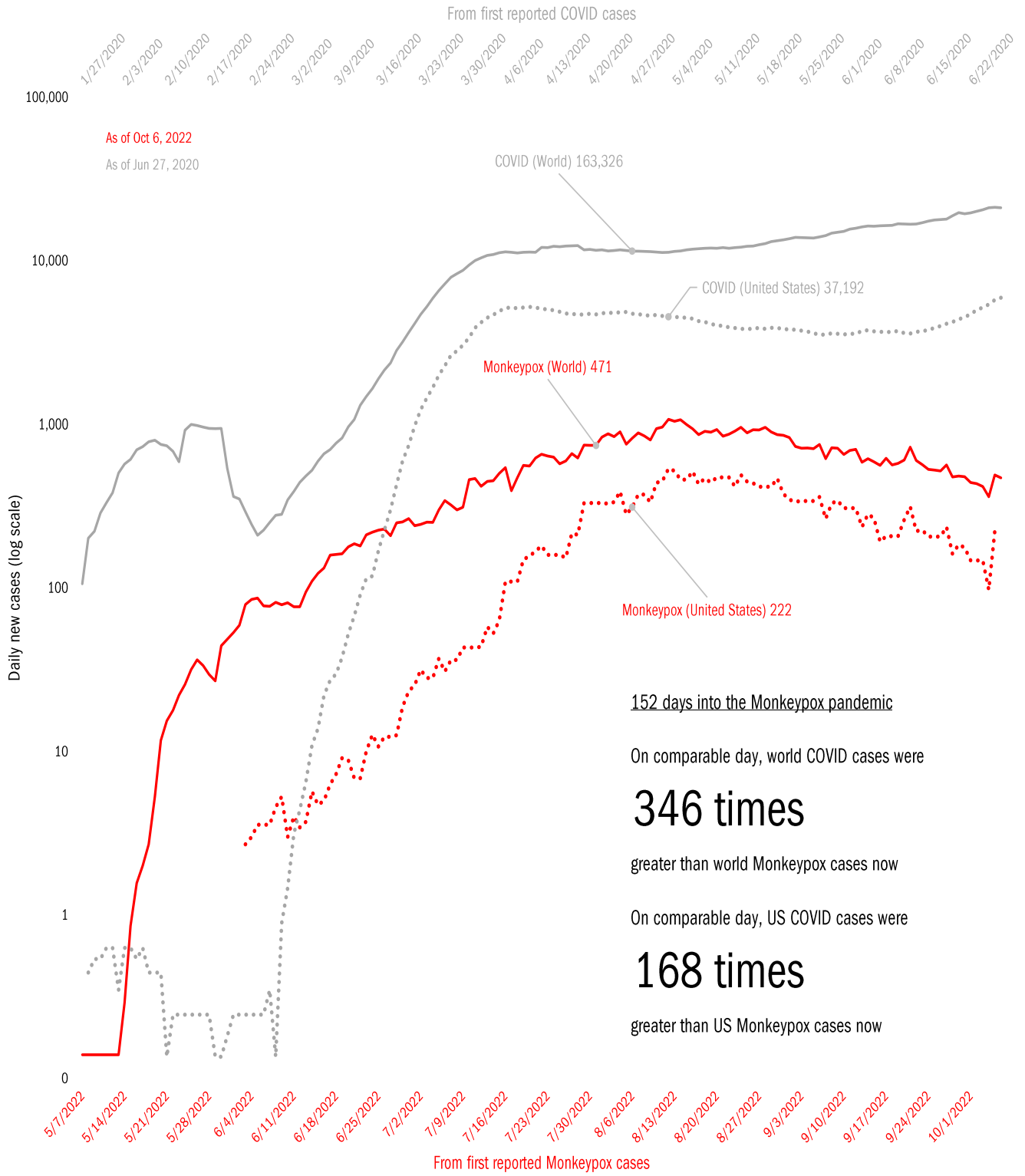
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
FL	-2,547	VA	-14	NY	-132
VA	-1,049	WI	-11	CA	-64
NY	-784	WA	-9	SC	-21
IL	-545	NY	-5	IA	-18
LA	-97	LA	-4	NC	-18



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

# The Monkeypox contextualizer

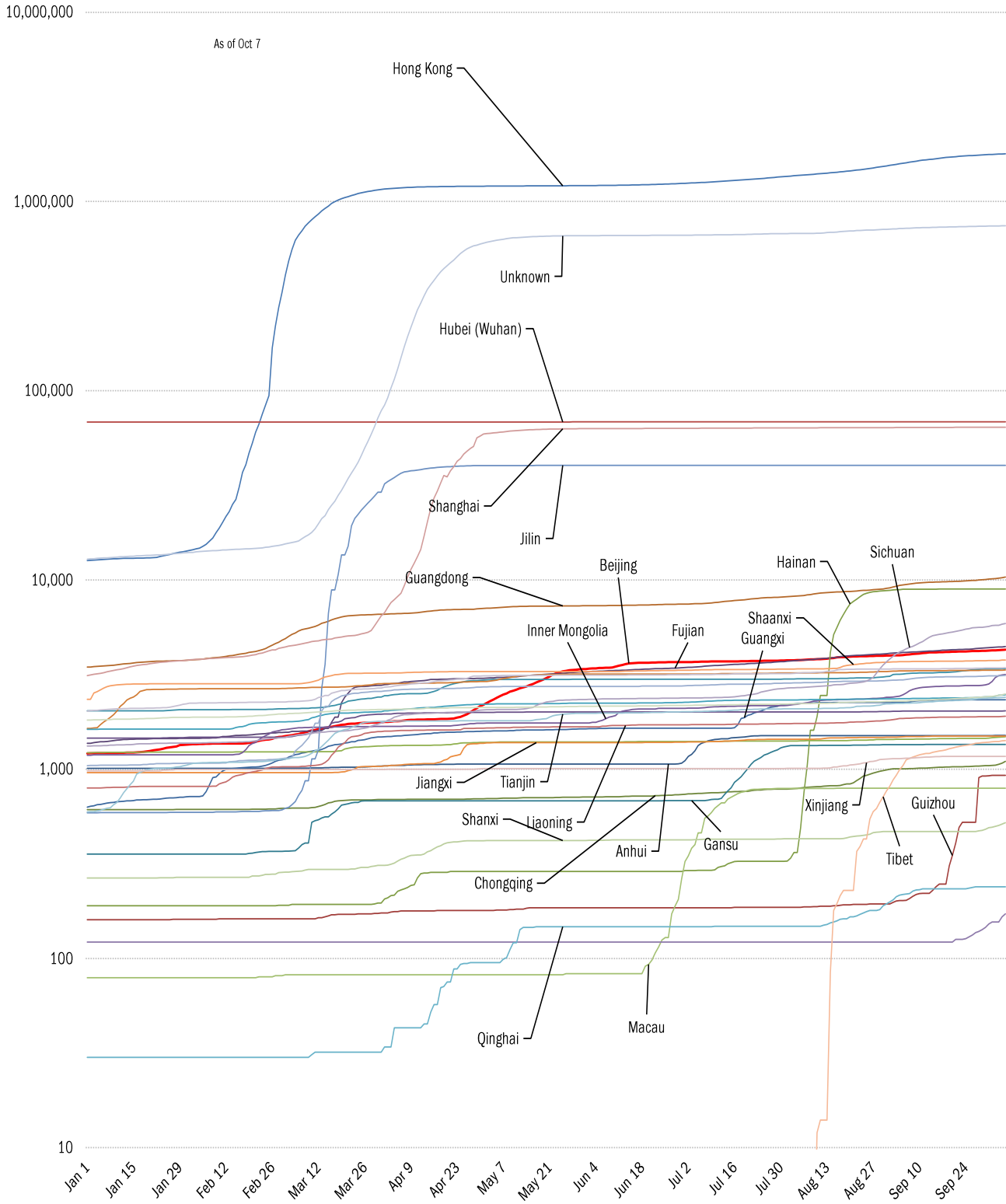
## The course of case growth versus COVID



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"*

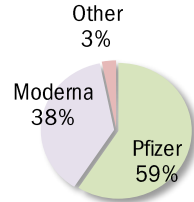


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	639,829,441		+0.646 million		US	68.0%	79.7%
of which boosters	112,806,473		+0.097 million		UK	75.4%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	France	78.7%
Total population	272,769,462	82%	232,566,440	70%	+0.103 million	Spain	85.6%
Age 12 to 17	18,239,142	72%	15,598,069	62%	+0.005 million	Germany	76.1%
Age 18 to 64	181,807,769	89%	154,688,903	76%	+0.070 million	Italy	81.0%
Age 65 and over	60,054,982	100%	52,589,623	96%	+0.018 million	Australia	84.0%
						Israel	66.2%
						Canada	82.8%
						Japan	82.6%
						Africa	23.3%
						India	67.4%
						Brazil	80.4%
						China	89.2%



AK	71.8%
	64.3%

State
At least partial immunity as % population
Full immunity as % population

Best
Middle
Worst

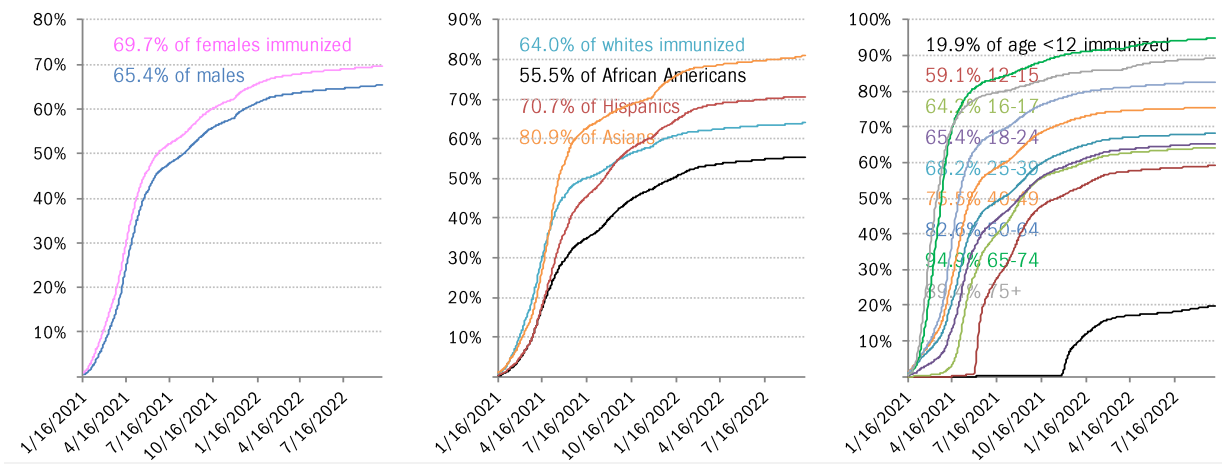
"Immunity" = two doses

Global data differs due to sources, timing

As of Oct 7

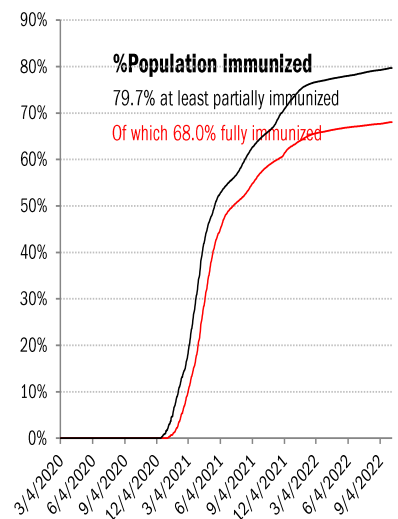
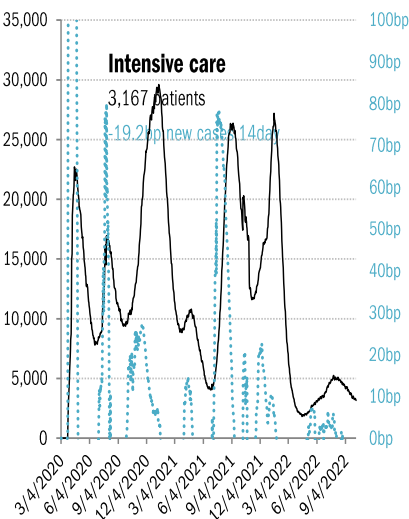
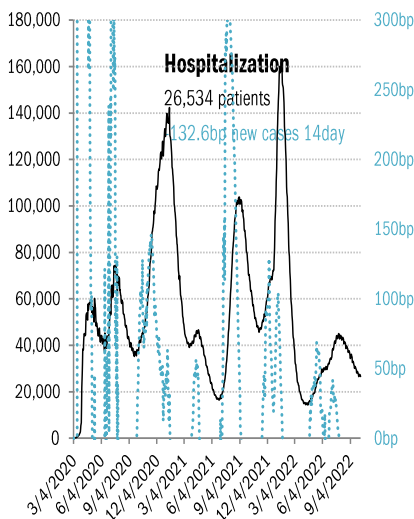
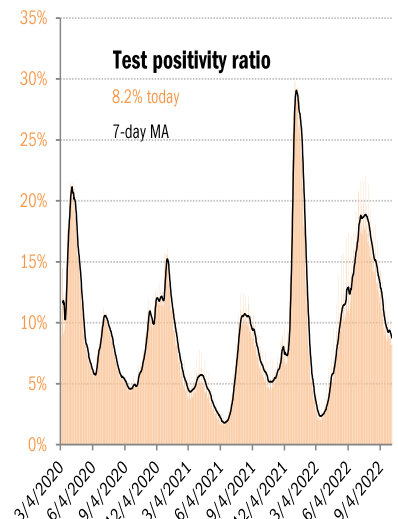
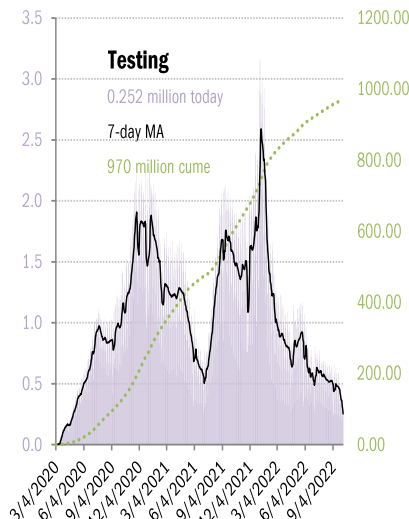
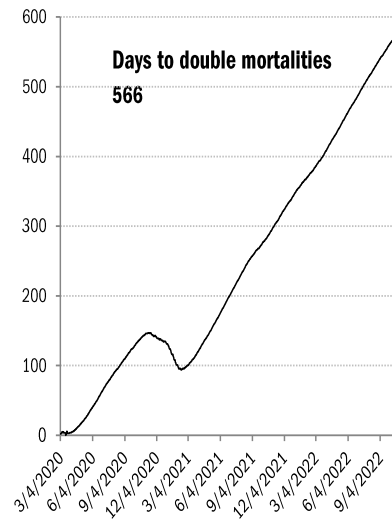
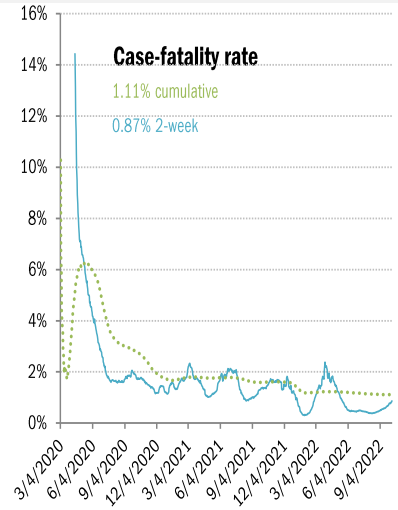
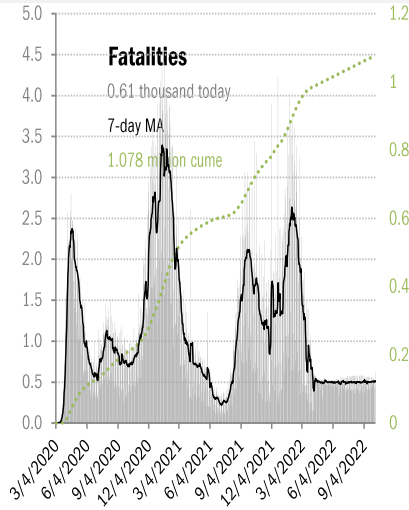
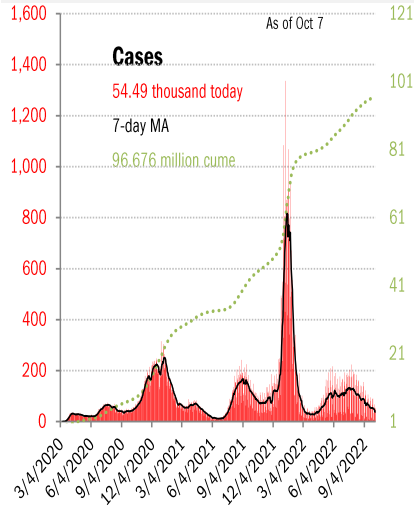
					WI						ME
					73.6%						93.8%
					67.0%						81.8%
WA	ID	MT	ND	MN	IL	MI			NY	VT	NH
83.4%	62.8%	66.9%	67.6%	77.3%	77.9%	68.5%			92.6%	95.0%	84.4%
74.5%	55.5%	58.2%	57.2%	70.8%	70.2%	61.4%			79.1%	83.5%	69.5%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA	
79.9%	77.4%	59.6%	80.4%	69.5%	63.4%	64.8%	88.1%		93.0%	95.0%	
71.1%	62.4%	52.2%	64.4%	63.3%	57.1%	59.6%	71.2%		77.7%	81.8%	
CA	UT	CO	NE	MO	KY	WV	VA		MD	CT	RI
84.6%	74.1%	82.0%	72.1%	68.0%	67.8%	66.6%	88.5%		89.6%	95.0%	95.0%
74.0%	65.7%	72.1%	65.1%	57.8%	58.7%	59.0%	75.2%		78.0%	81.4%	85.7%
	AZ	NM	KS	AR	TN	NC	SC		DC	DE	
	76.1%	91.2%	74.6%	68.6%	63.7%	88.6%	69.7%		95.0%	86.0%	
	63.6%	73.3%	63.9%	55.9%	55.7%	64.5%	58.8%		81.1%	71.6%	
			OK	LA	MS	AL	GA				
			73.2%	62.2%	61.1%	64.2%	67.2%				
			59.2%	54.6%	53.2%	52.4%	56.3%				
			TX						FL		PR
			74.9%						81.3%		95.0%
			62.3%						68.5%		85.5%

## The demographics of US vaccination

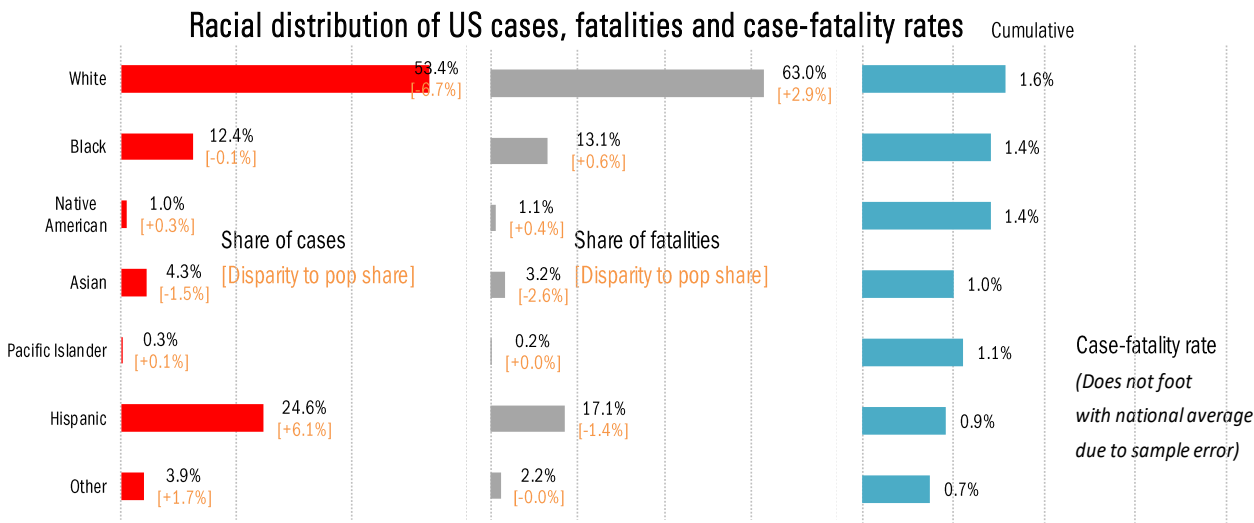
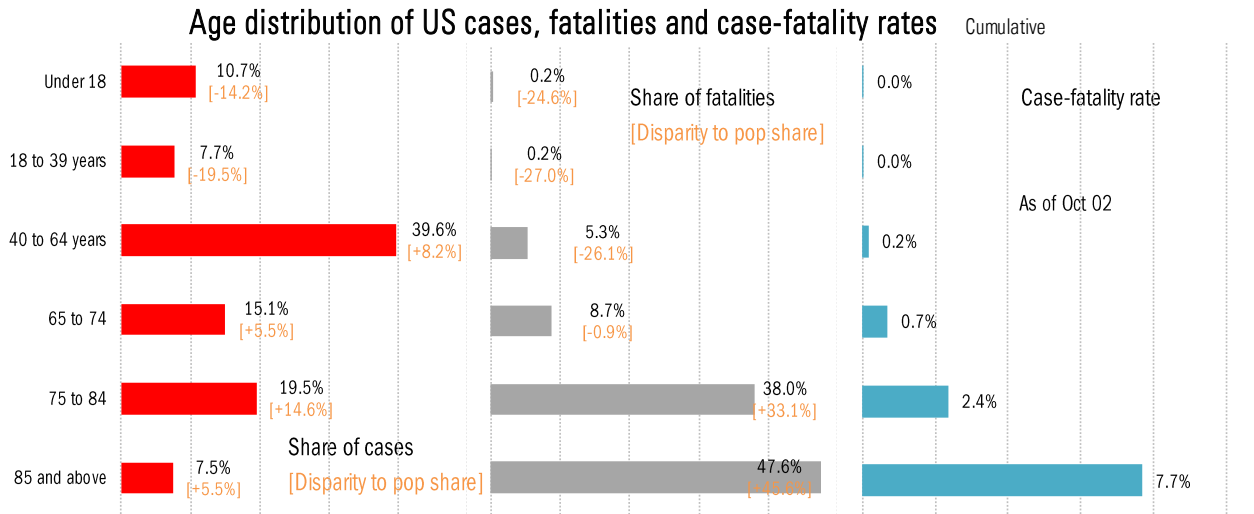


Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

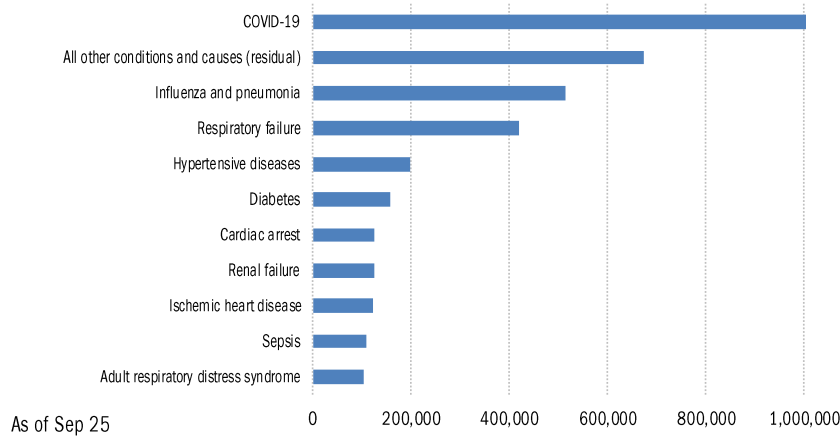


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### 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 worldwide flight from mRNA shots continues](#)

Alex Berenson  
*Unreported Truths*  
October 7, 2022

[Barbara Ferrer vs. freedom](#)

Susan Shelley  
*Los Angeles Daily News*  
October 2, 2022

## Meme of the day

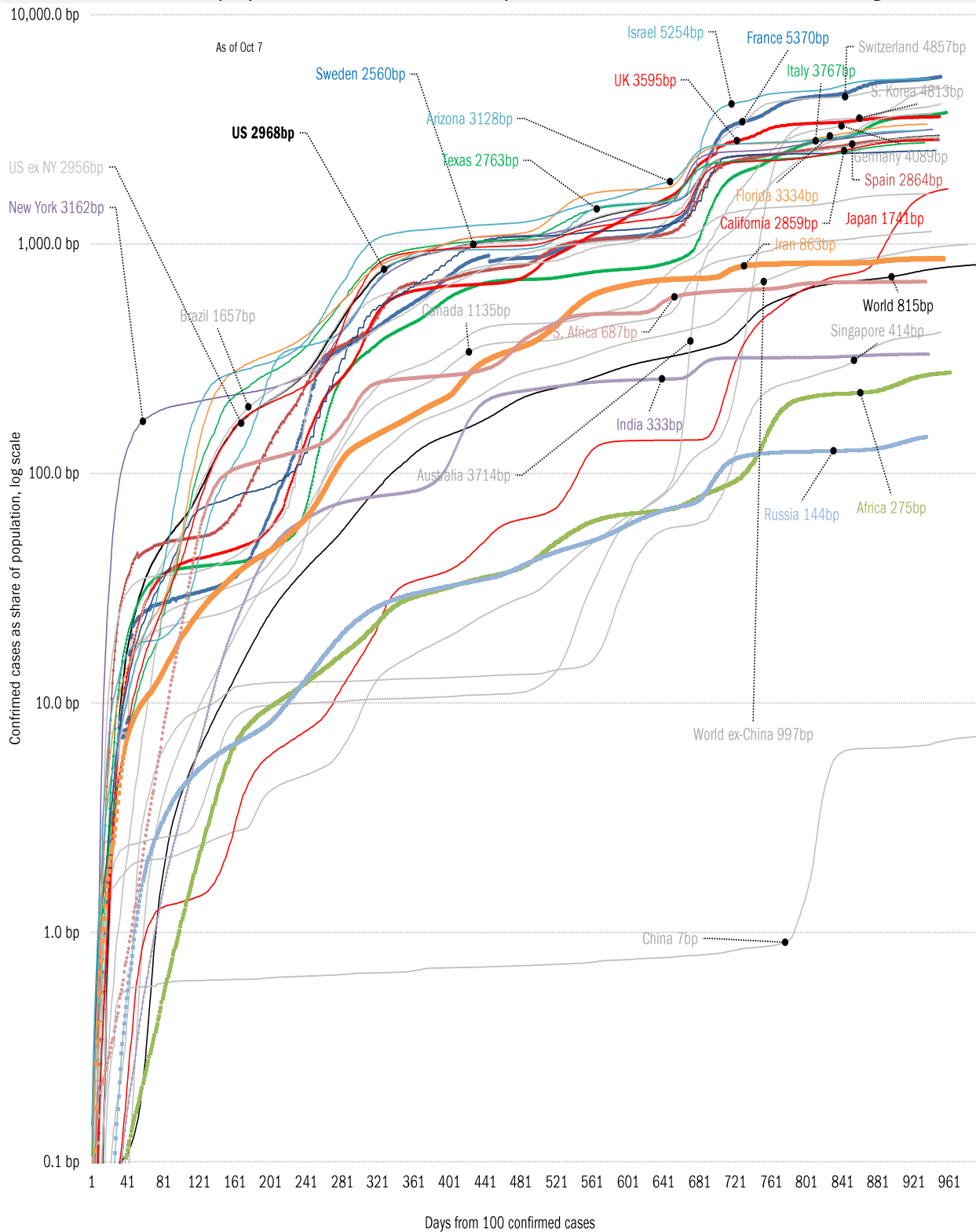


Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)



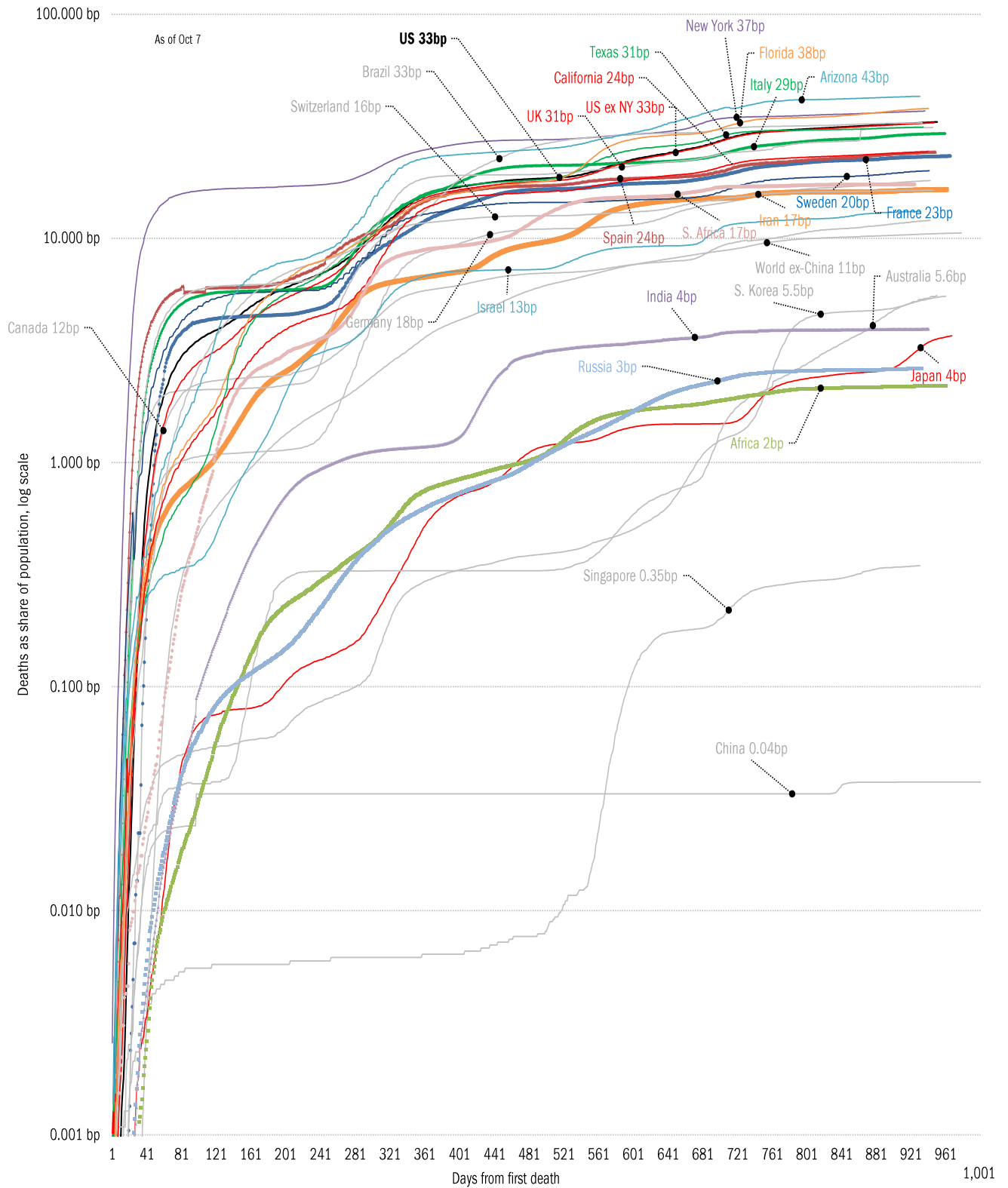
# The global coronavirus case accelerometer... tracking the world's infection curves

*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*

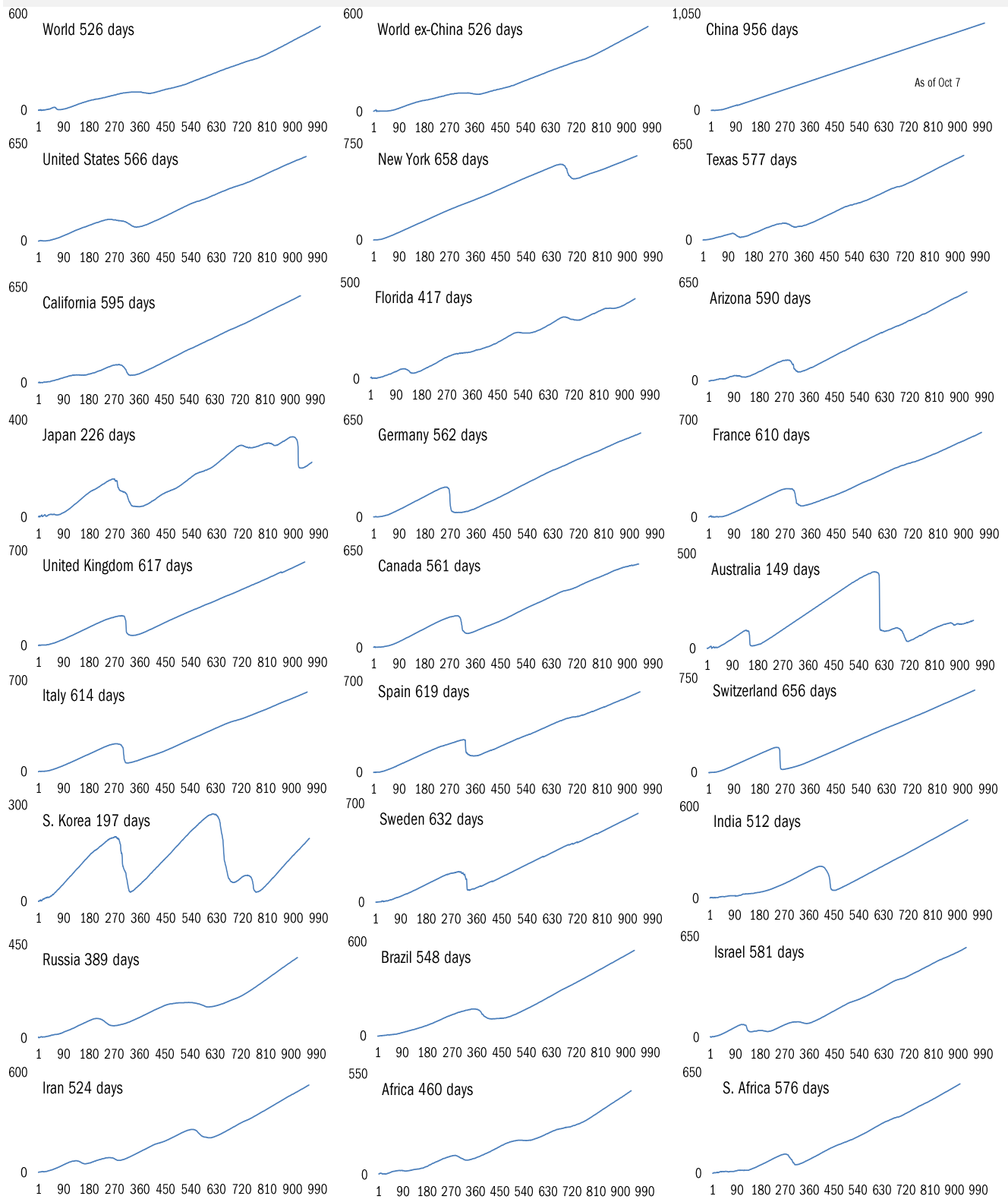


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

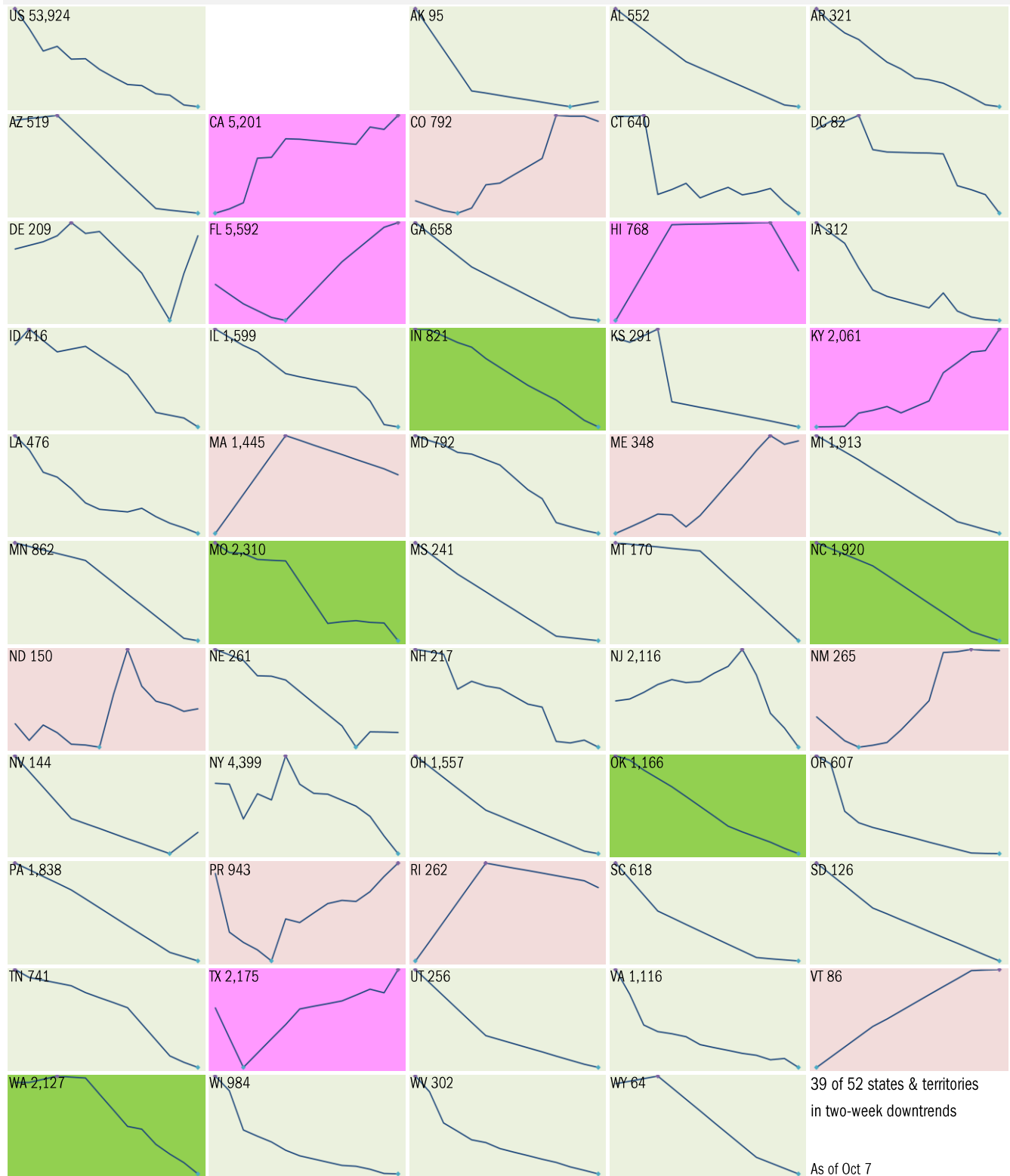


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

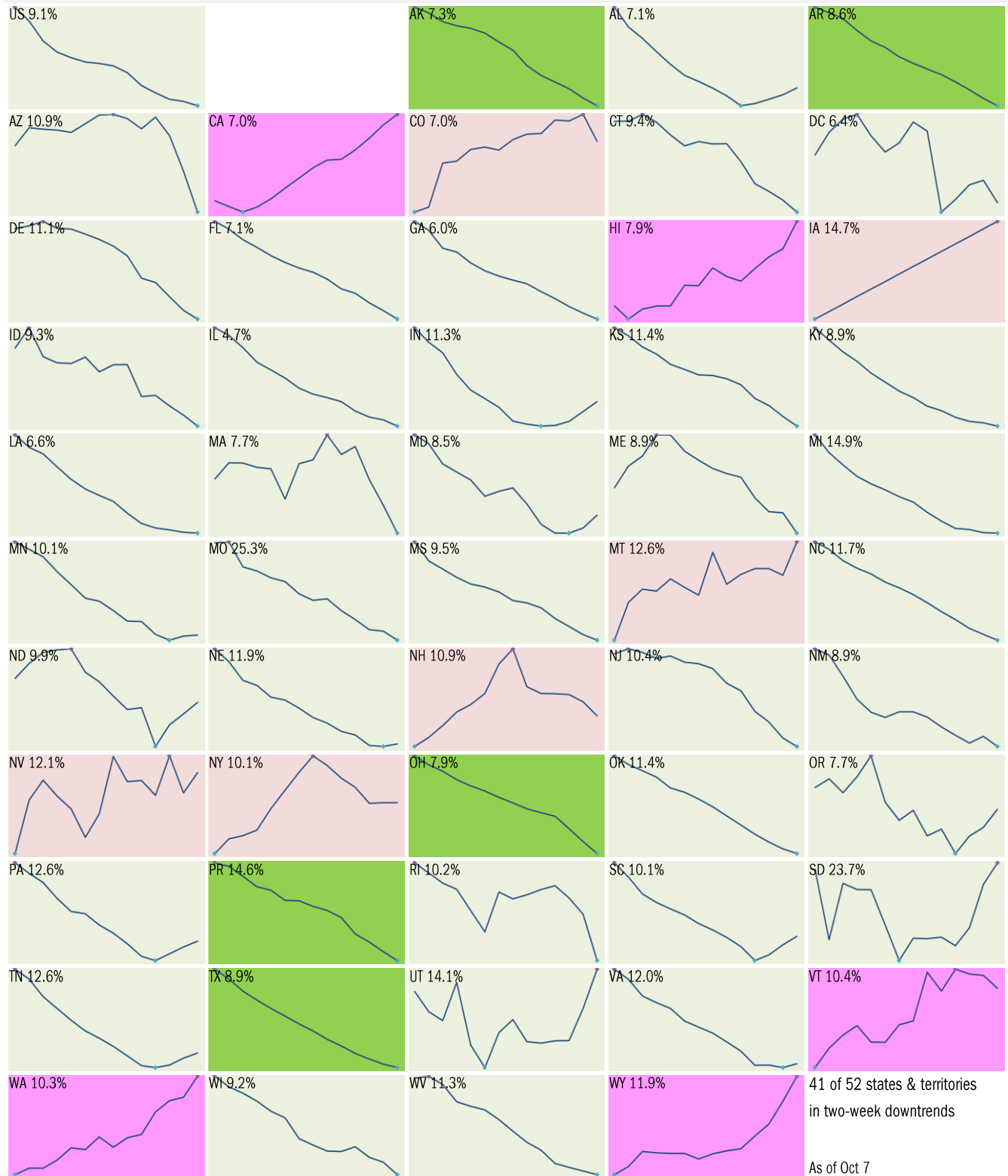


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

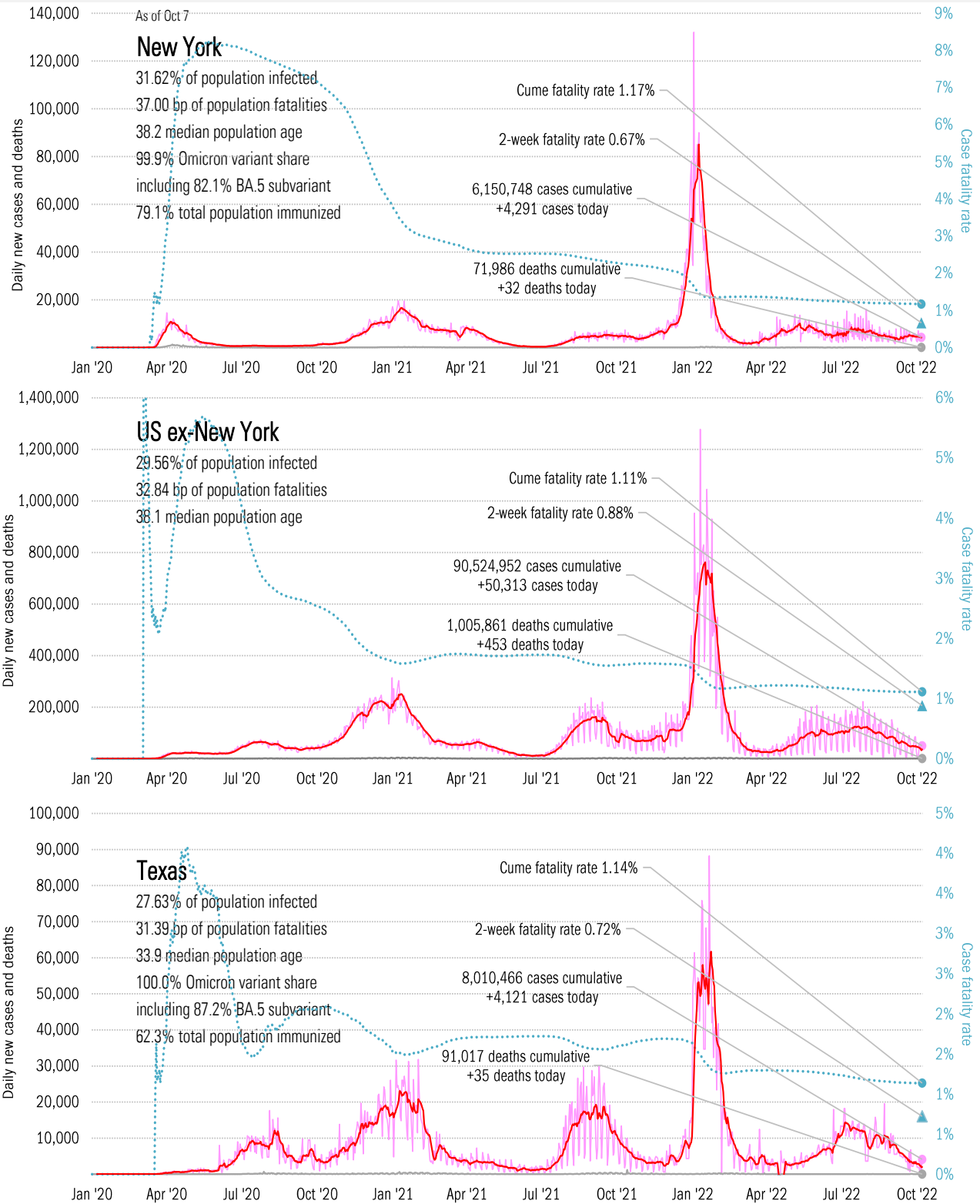
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

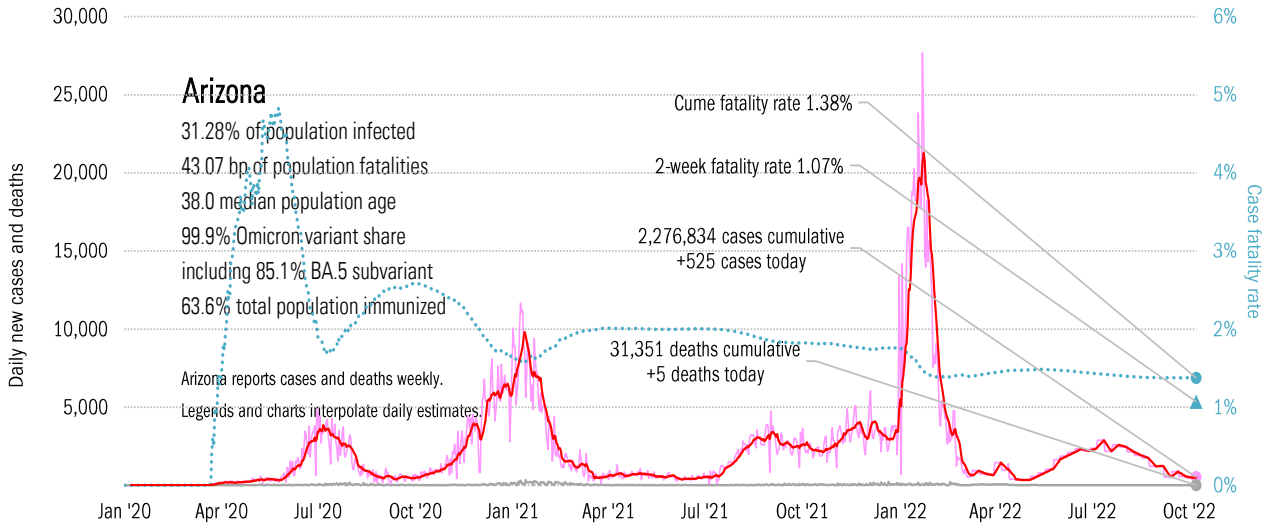
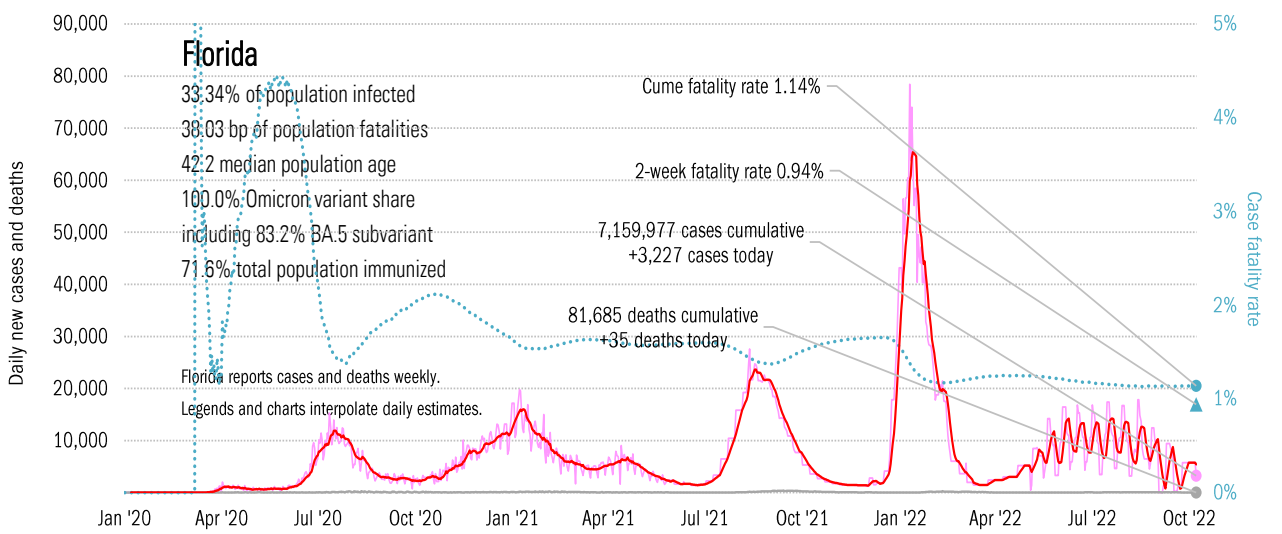
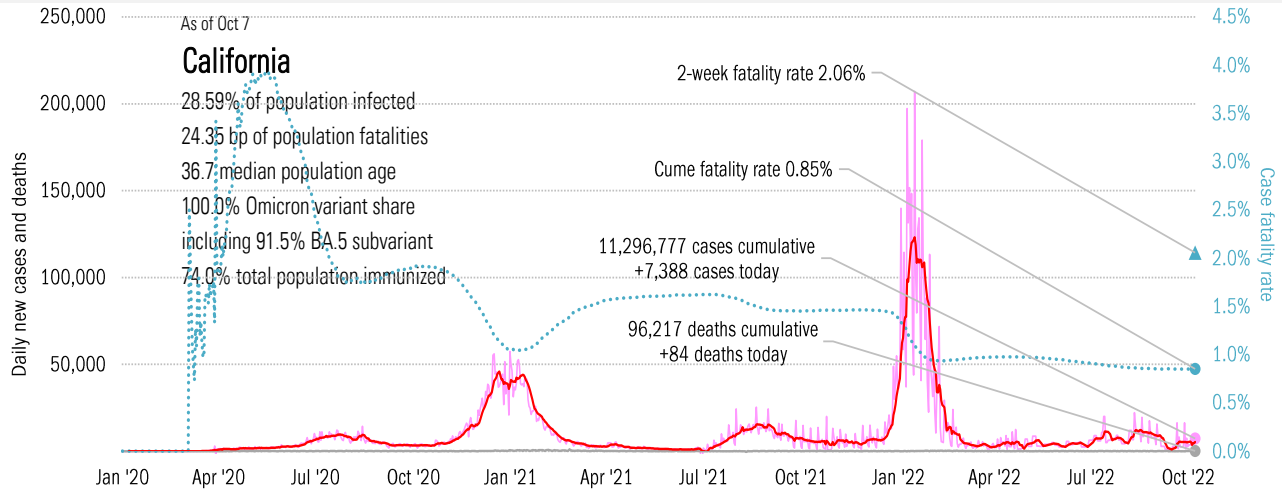
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

Cases: 7-day average and daily Deaths: Daily

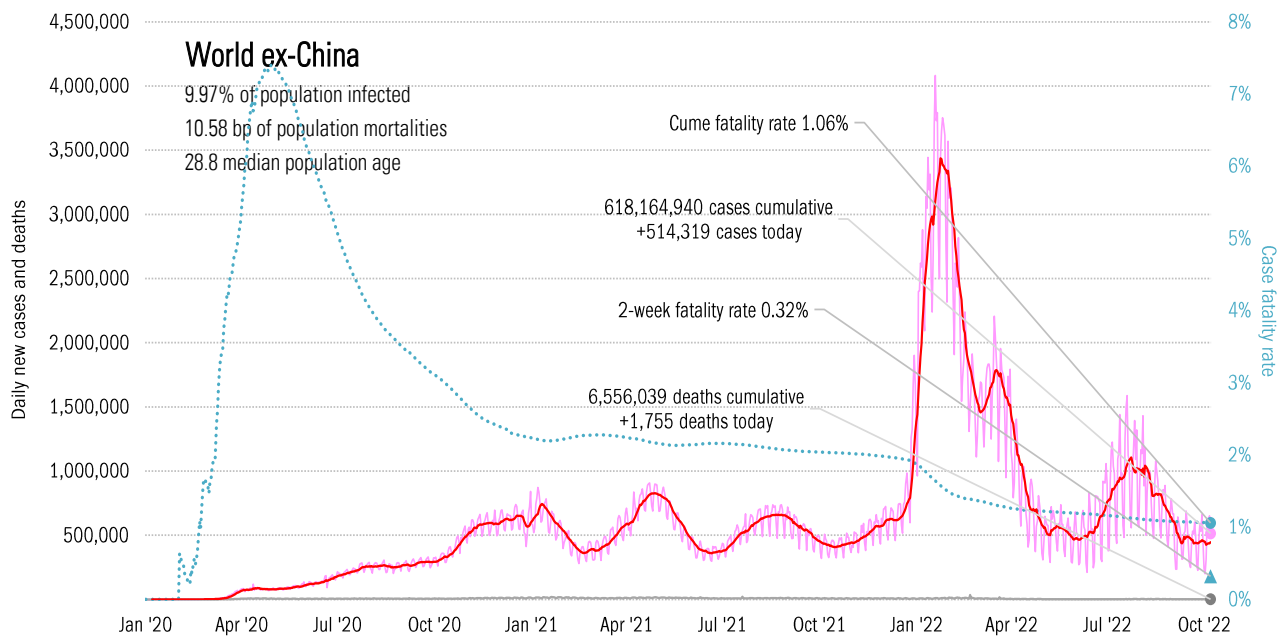
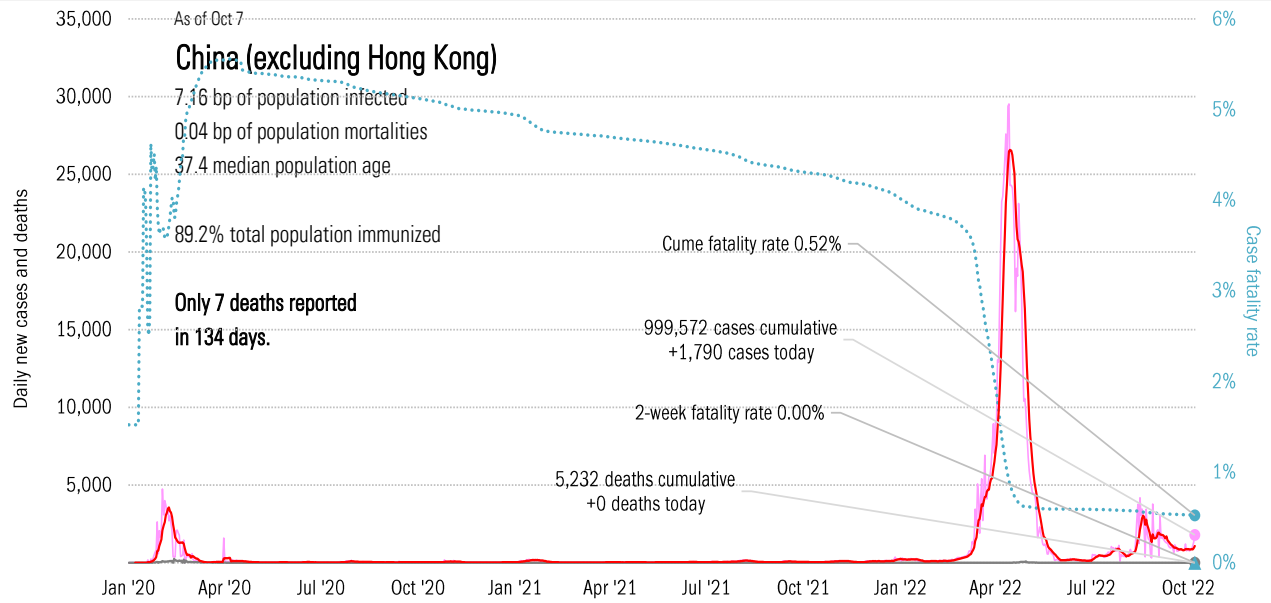


Source: [Johns Hopkins](#), TrendMacro calculations



# Patient zero... and then everyone else

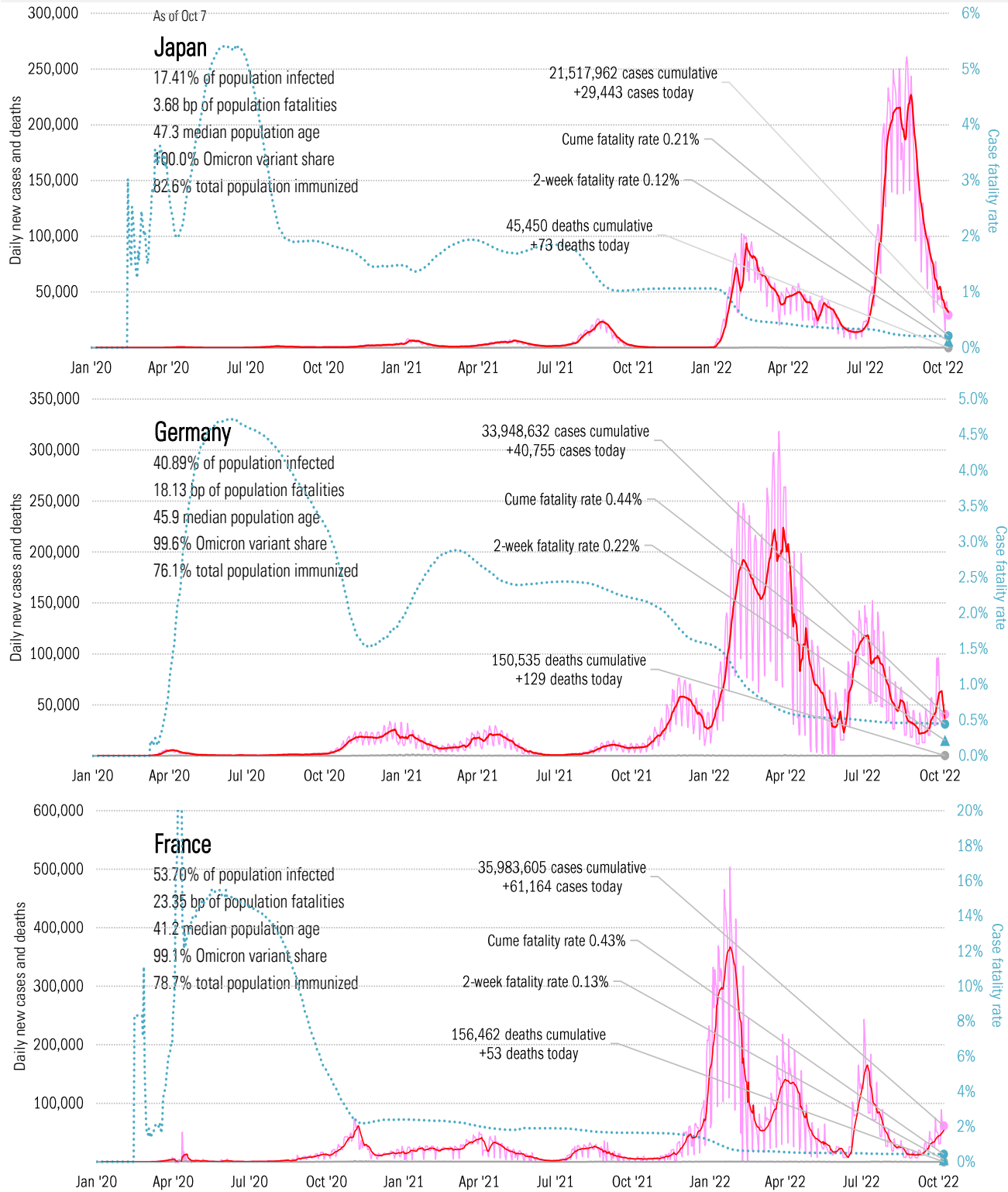
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

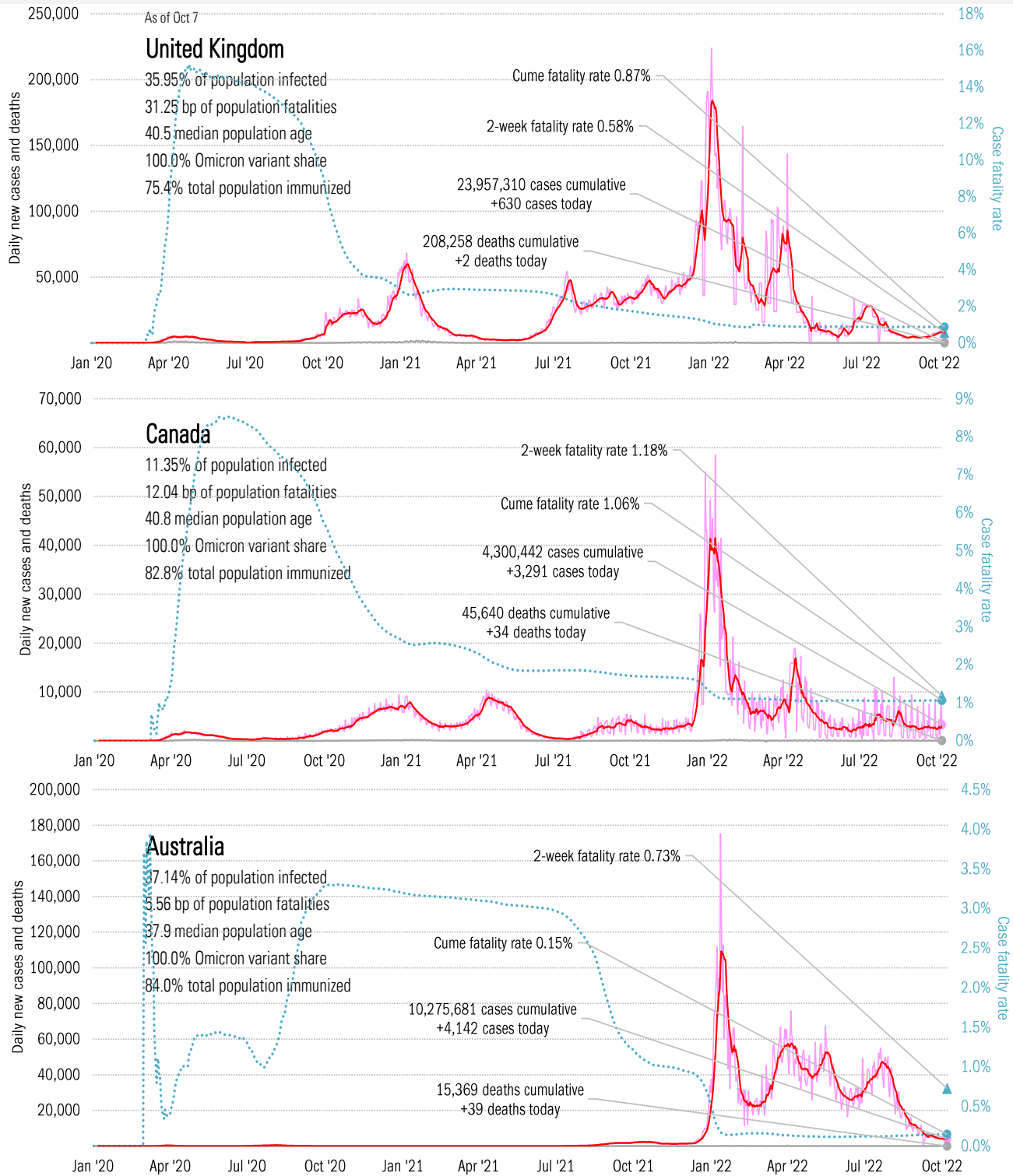
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

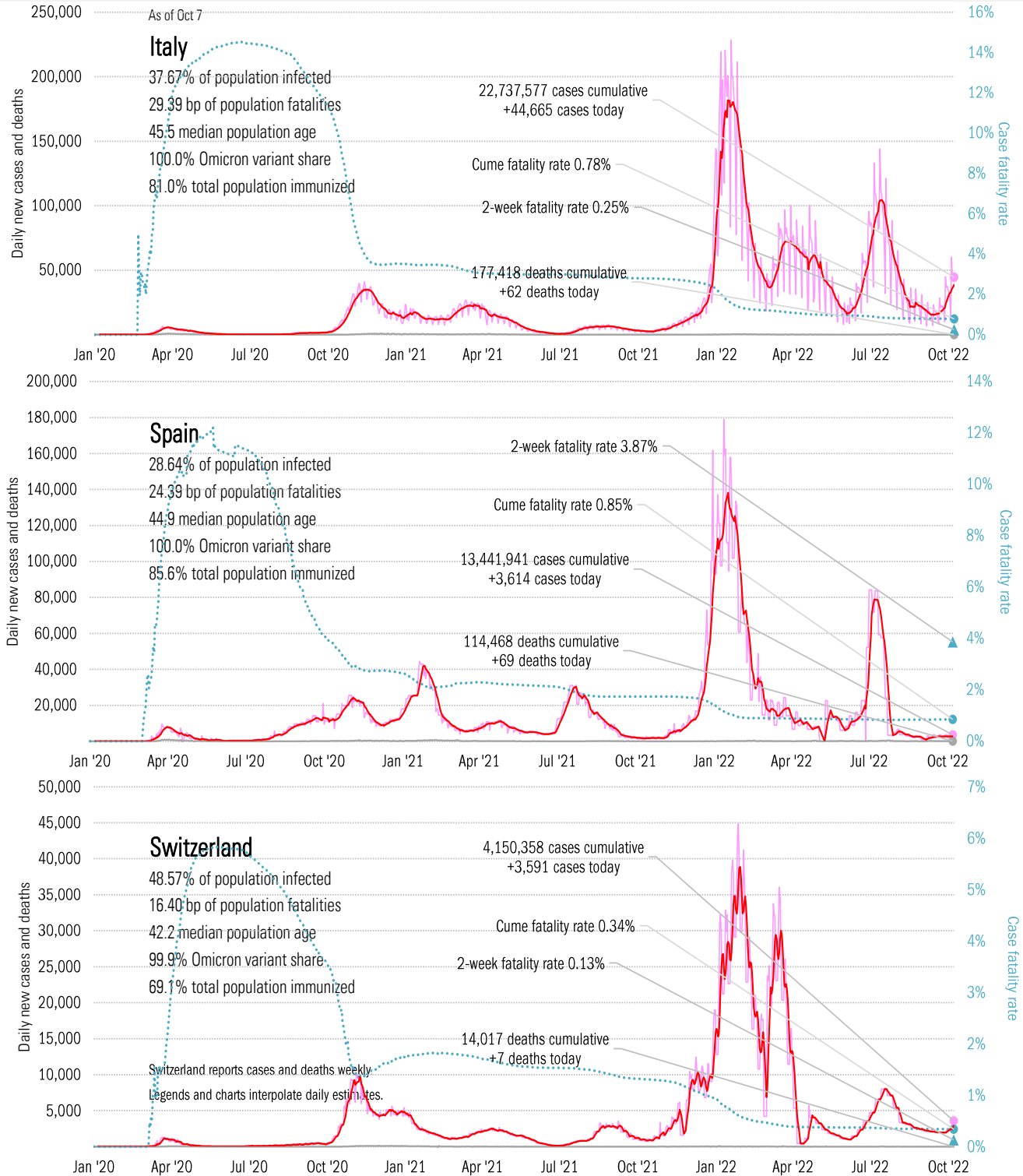
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

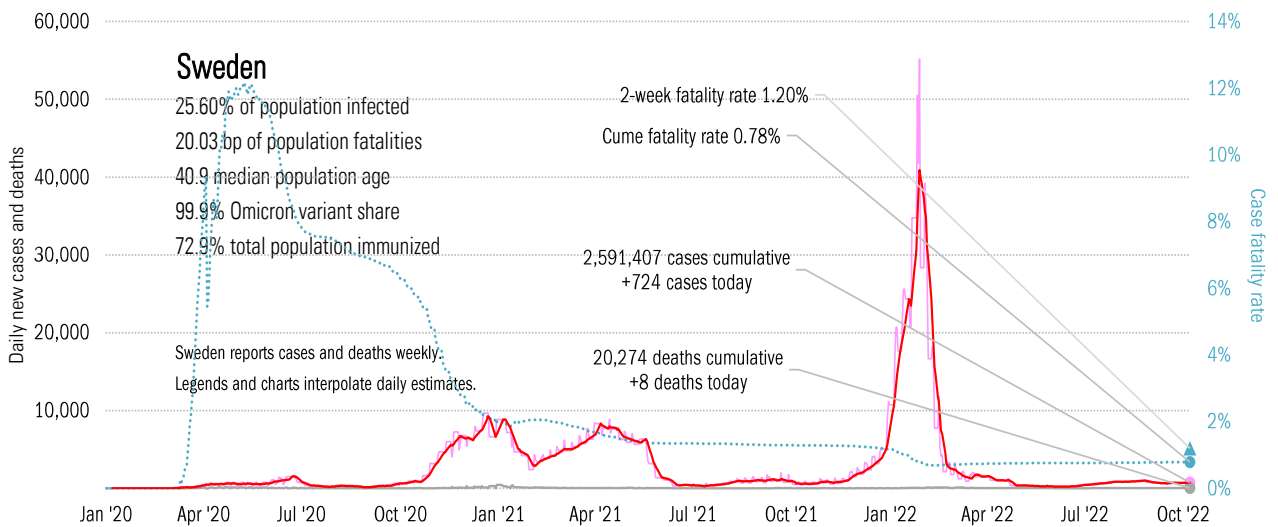
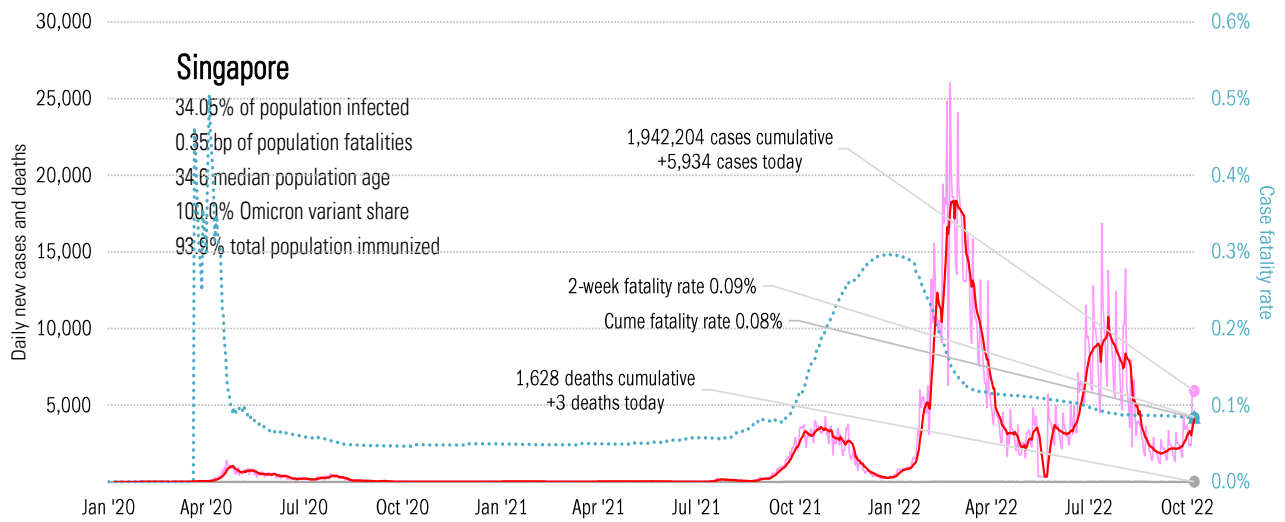
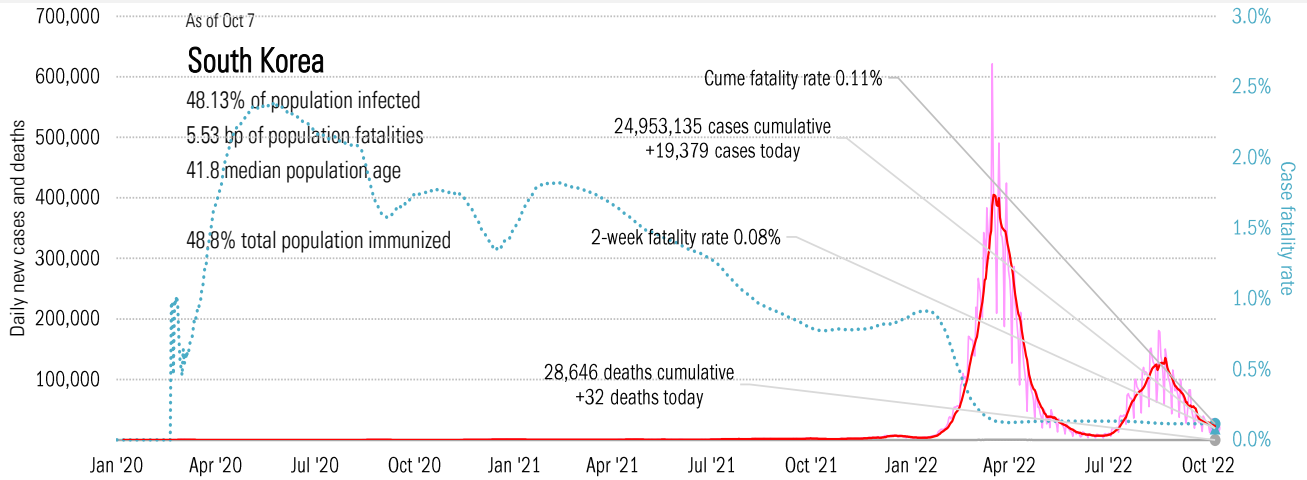
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

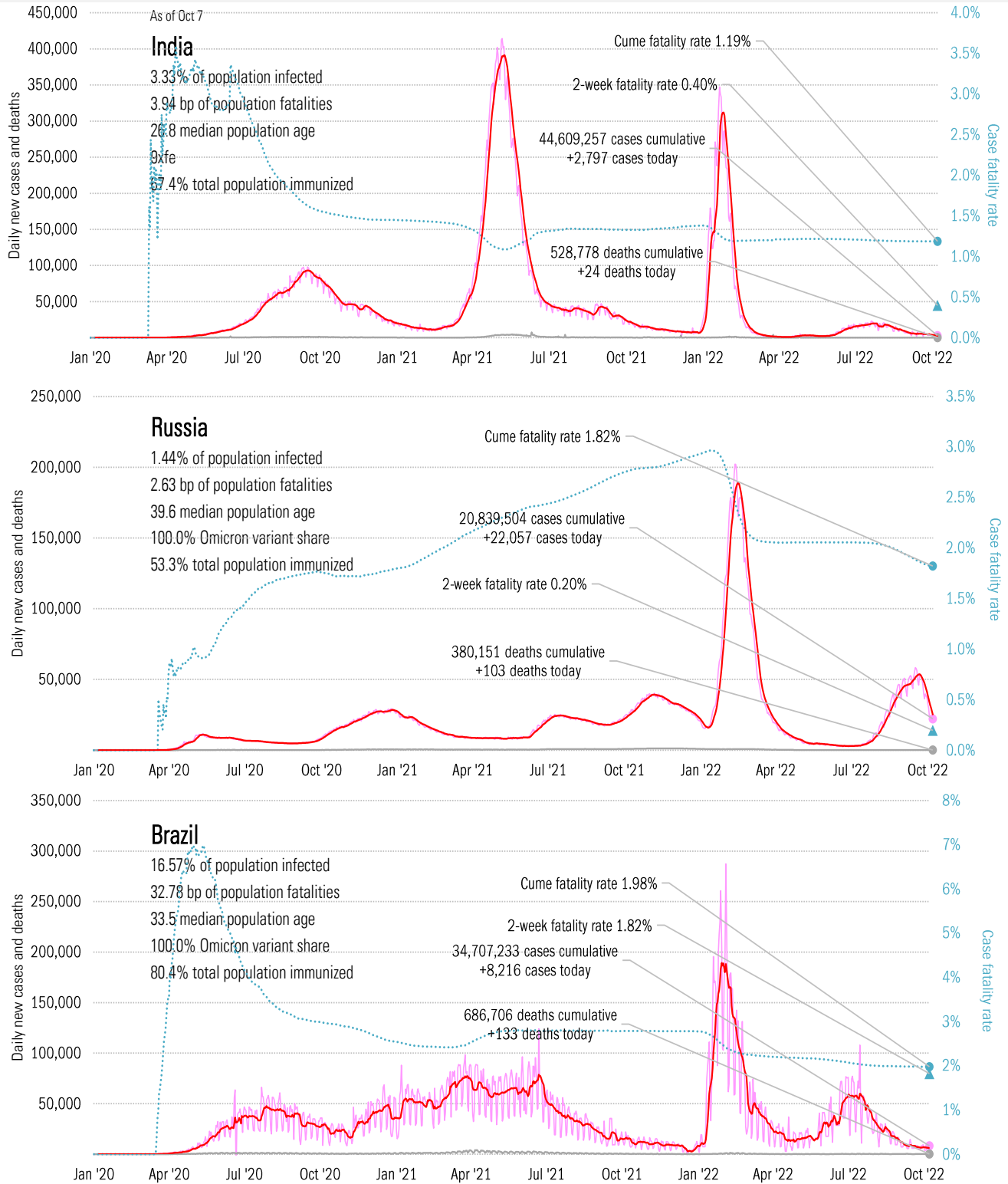
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

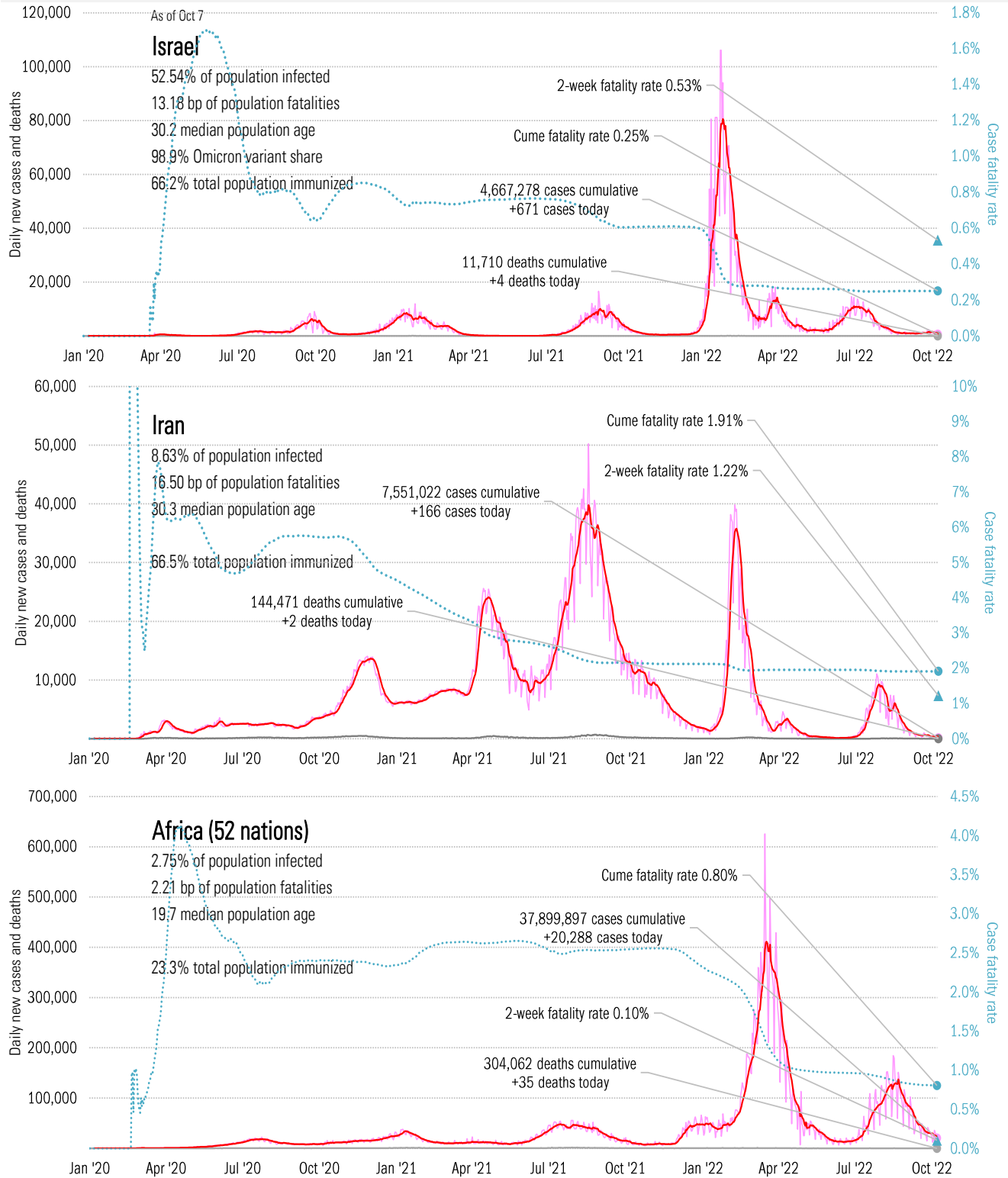
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

Cases: 7-day average and daily Deaths: Daily

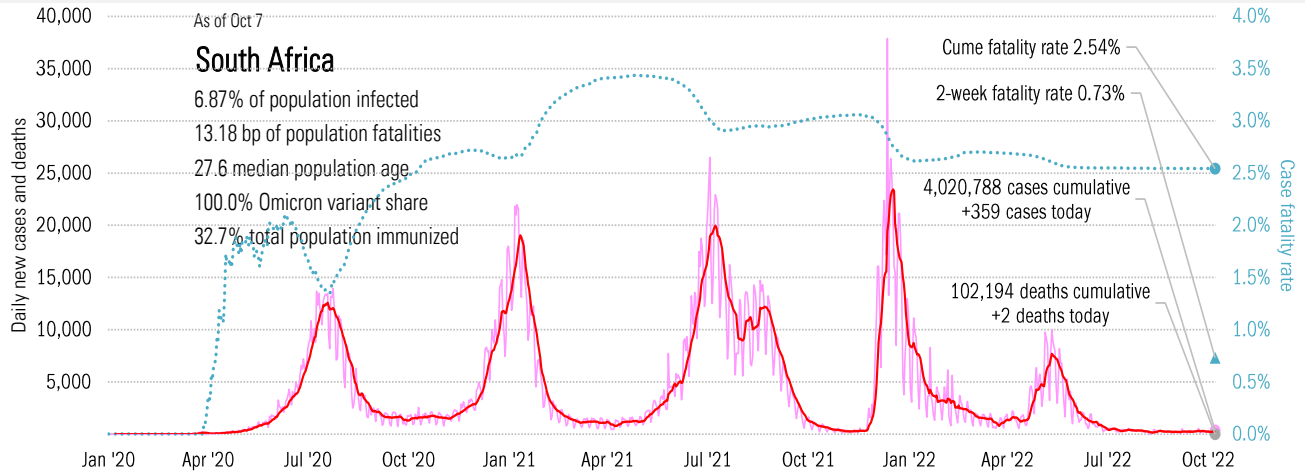


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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