

## Data Insights: Covid-2019 Monitor

Sunday, October 2, 2022

### The global scorecard

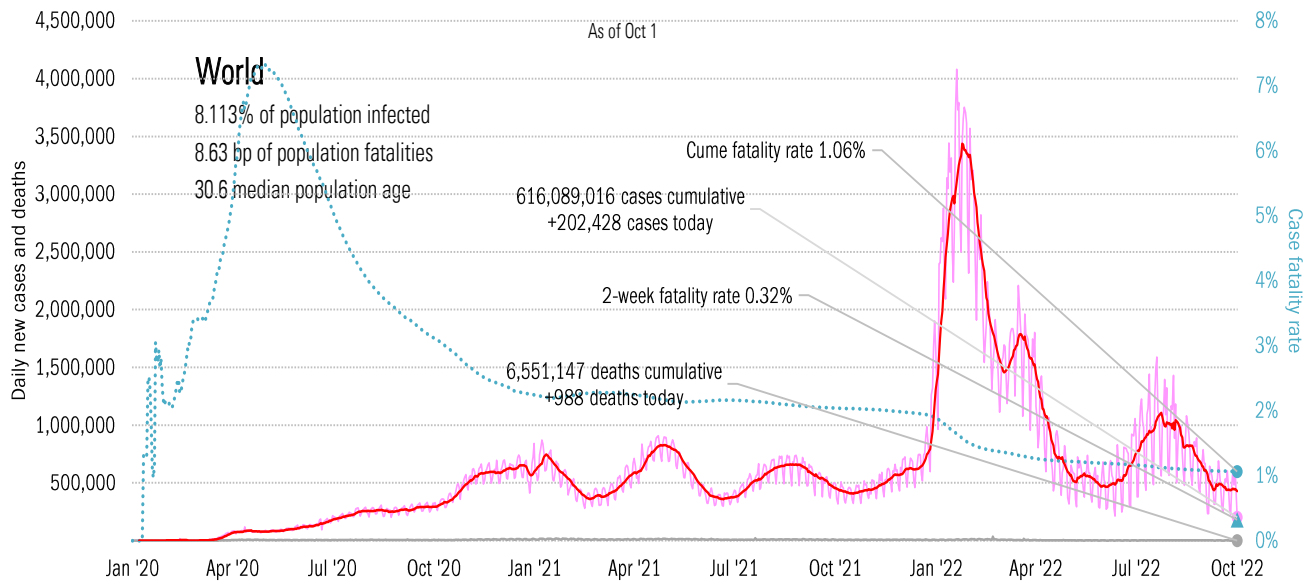
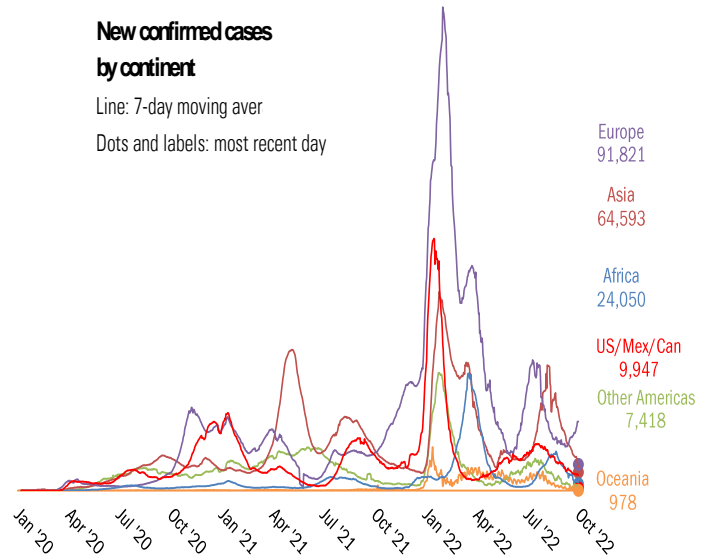
Cases: **7-day average** and **daily** Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
United States	61,224	United States	668
Taiwan*	43,022	Russia	101
Italy	33,068	Taiwan*	48
Russia	32,875	Korea, South	44
Korea, South	23,597	Italy	38
Austria	12,589	Philippines	34
Malaysia	4,878	Poland	29
Philippines	3,726	Chile	24
Chile	3,616	Mexico	19
Poland	3,565	India	18
<b>222,160</b>		<b>1,023</b>	
World	202,428	World	988
Top ten	110%	Top ten	104%

#### 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

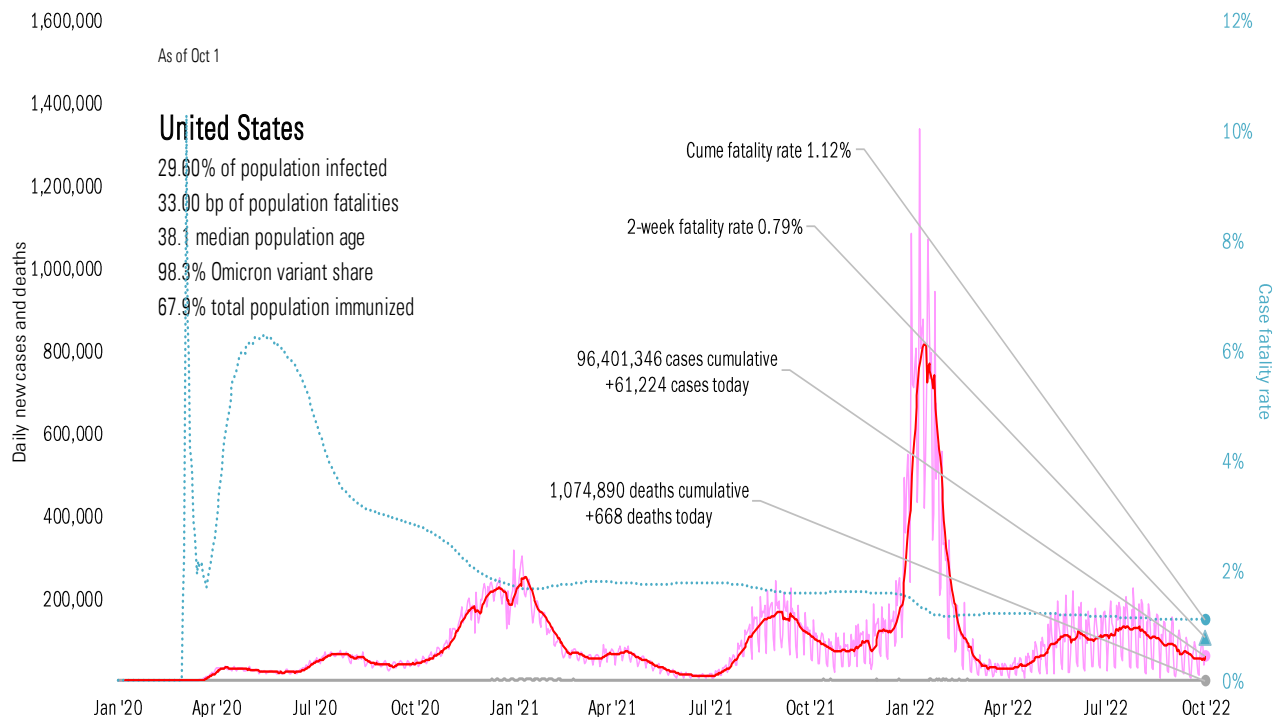
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	6,366		CA	154		NY	321		CA	11,266,623		CA	95,965		TX	545,871		RI	93%	RI	91%
FL	5,774		KS	68		PA	203		TX	7,996,241		TX	90,913		CA	499,972		MA	88%	AK	87%
MO	4,678		FL	40		GA	109		FL	7,156,749		FL	81,488		FL	493,534		NE	88%	MA	86%
TX	3,645		IN	34		SC	56		NY	6,124,228		NY	71,828		NY	299,952		WA	86%	WA	84%
NY	2,915		TN	28		IA	39		IL	3,762,220		PA	47,213		GA	225,814		MN	85%	TX	83%
WA	2,682		TX	28		NJ	131		PA	3,254,503		GA	40,281		CH	218,342		MO	84%	NM	83%
NJ	2,435		WA	27		CA	328		NC	3,198,866		CH	39,856		PA	203,824		DC	83%	NC	83%
NC	2,299		NY	26		AL	44		CH	3,143,746		IL	39,698		IL	186,721		DE	83%	NH	82%
IL	2,101		MI	23		KS	33		GA	2,905,400		MI	38,624		MI	162,643		MD	82%	DC	81%
MI	2,097		VA	18		MN	66		MI	2,836,167		NJ	34,750		KY	145,132		NH	82%	DE	80%
34,992			445			1,330			51,644,743			580,616			2,981,805						
All states	61,224		668		3,508		All states	96,401,346		1,074,890		5,409,965		All states	70%		67%				
Top ten	57%		67%		38%		Top ten	54%		55%		55%		Median	76%		73%				

Some states not reporting

## Five most improved US states

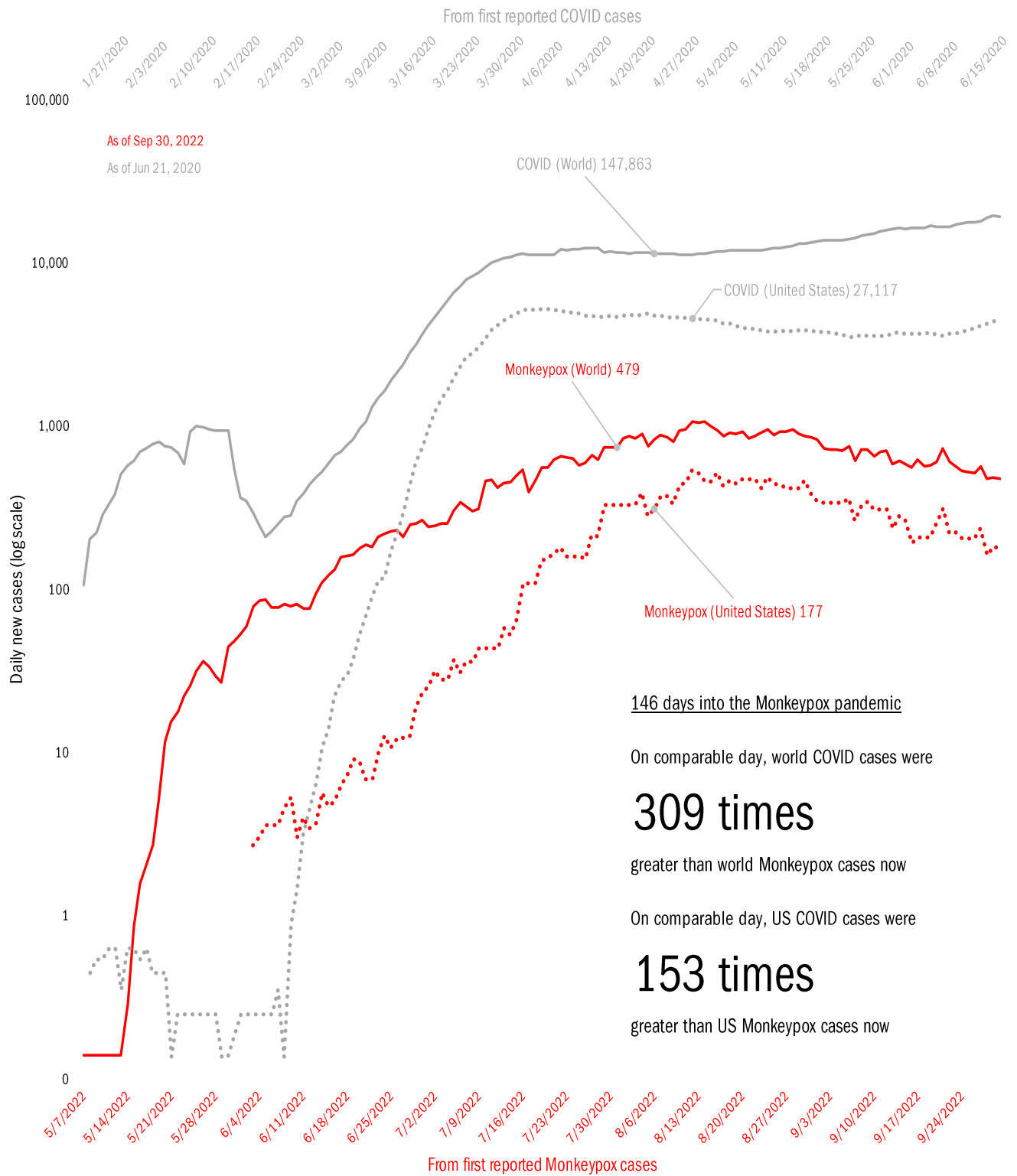
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-2,439	AR	-1	NC	-40
AR	-113	ME	-1	FR	-39
NJ	-89	WY	0	NM	-32
ME	-55	AK	0	CT	-24
AK	0	AL	0	OR	-21



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

# The Monkeypox contextualizer

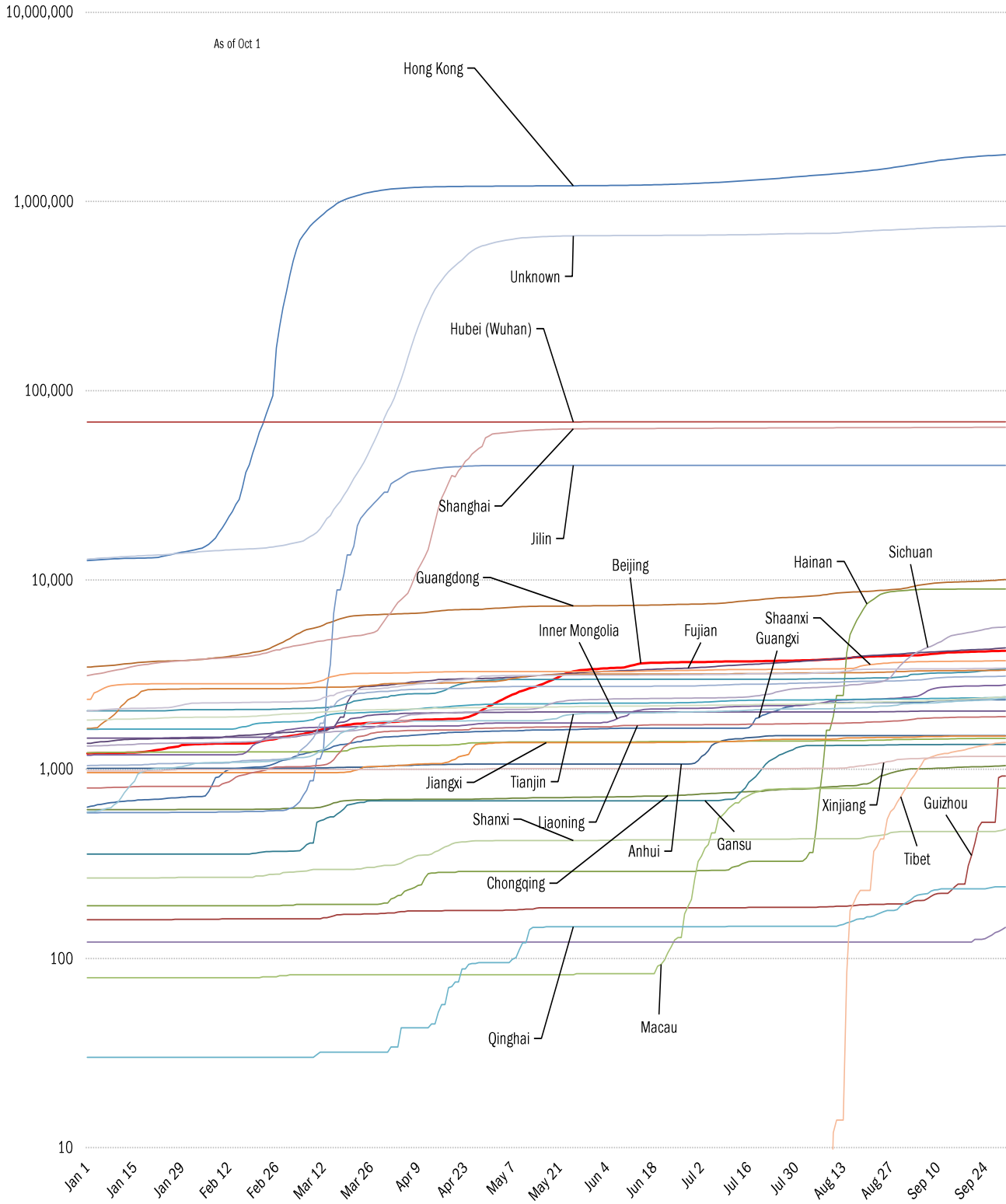
## The course of case growth versus COVID



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"*

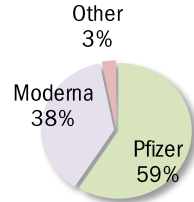


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	631,639,689		+0.490 million		US	67.8%	79.5%	
of which boosters	111,721,786		+0.055 million		UK	75.4%	80.0%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.7%	80.9%
Total population	272,009,452	81%	231,527,726	69%	+0.050 million	Spain	85.6%	87.0%
Age 12 to 17	18,203,927	72%	15,554,814	61%	+0.002 million	Germany	76.1%	77.7%
Age 18 to 64	181,388,452	89%	154,049,342	76%	+0.024 million	Italy	81.0%	85.8%
Age 65 and over	59,876,702	100%	52,388,902	96%	+0.011 million	Australia	84.0%	86.6%
						Israel	66.2%	72.3%
						Canada	82.7%	87.2%
						Japan	82.5%	83.6%
						Africa	22.6%	28.5%
						India	67.3%	72.9%
						Brazil	80.3%	87.2%
						China	89.1%	91.4%



AK	71.7%
	63.5%

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

Best
Middle
Worst

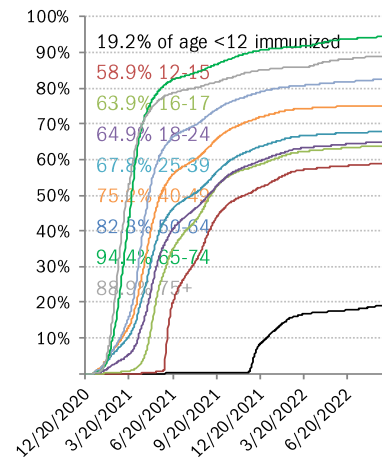
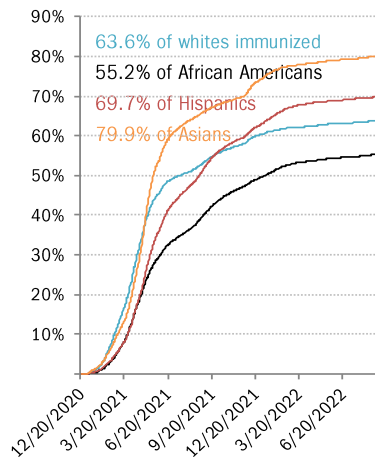
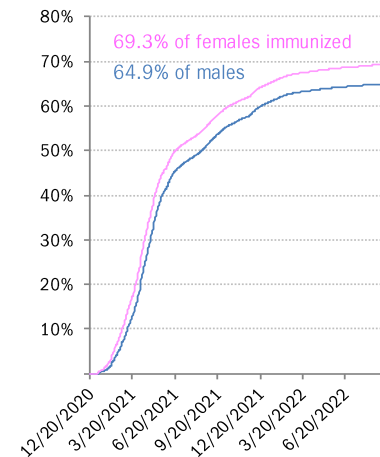
"Immunity" = two doses

Global data differs due to sources, timing

As of Sep 23

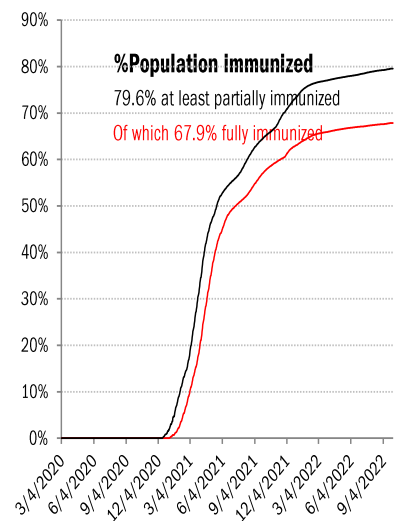
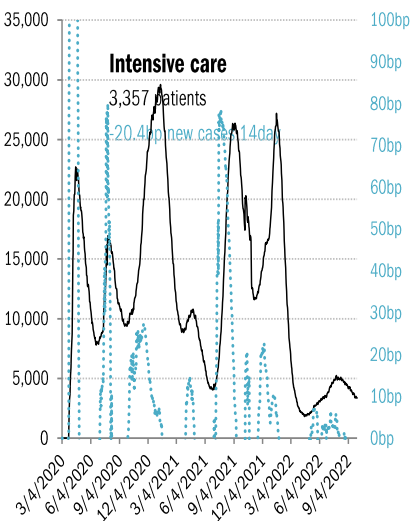
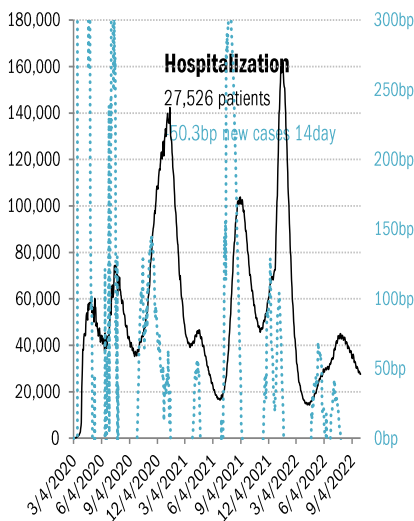
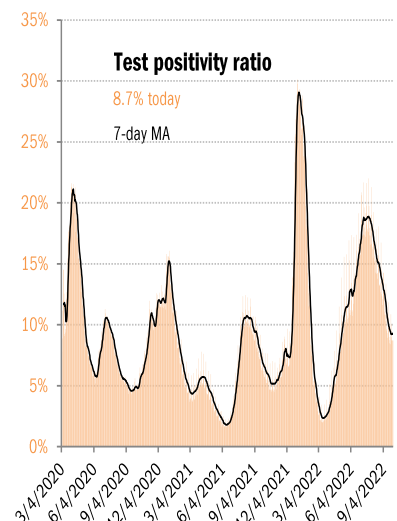
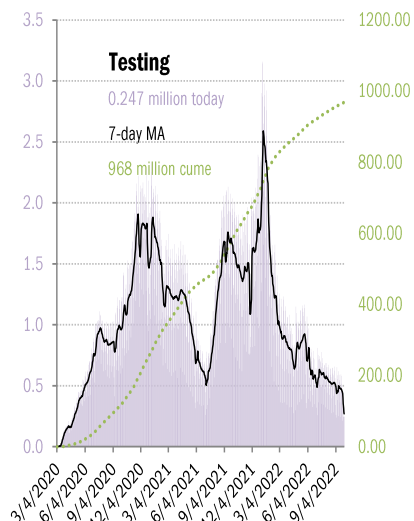
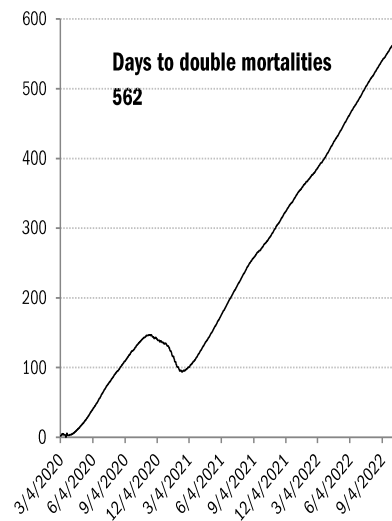
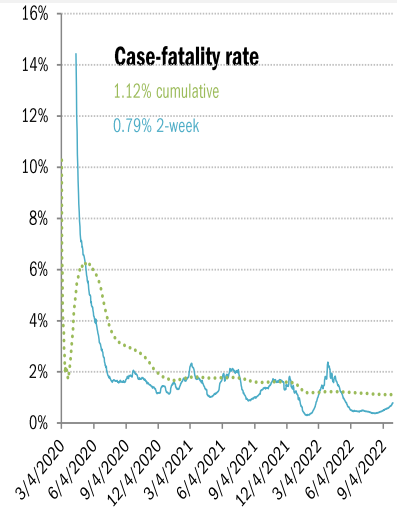
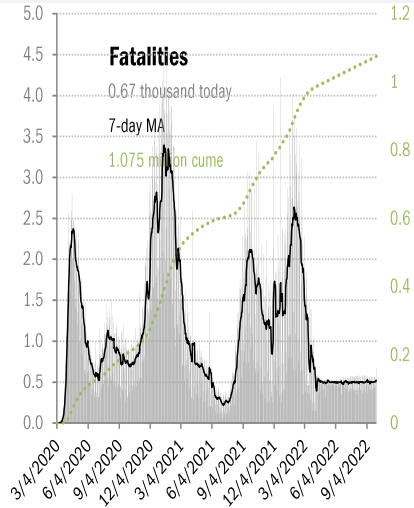
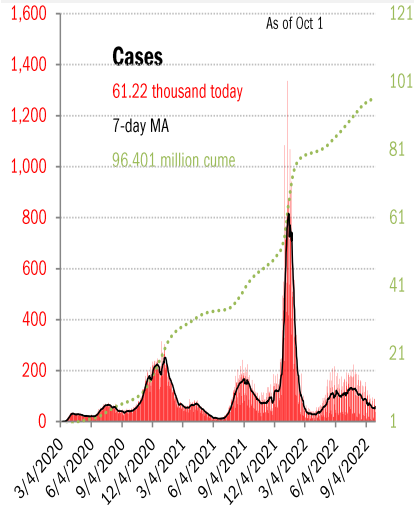
					WI							ME
					73.4%							93.5%
					66.8%							81.5%
WA	ID	MT	ND	MN	IL	MI			NY	VT		NH
83.2%	62.6%	66.8%	67.3%	77.0%	77.5%	68.3%			92.3%	95.0%		91.4%
74.0%	55.3%	58.0%	56.8%	70.6%	69.8%	61.3%			78.8%	83.2%		72.8%
OR	NV	WY	SD	IA	IN	OH	PA		NJ	MA		
79.7%	77.2%	59.4%	79.8%	69.4%	63.3%	64.6%	87.8%		92.7%	95.0%		
70.9%	62.1%	52.0%	64.0%	63.1%	56.9%	59.5%	70.8%		77.4%	81.2%		
CA	UT	CO	NE	MO	KY	WV	VA		MD	CT		RI
84.3%	73.8%	81.7%	71.9%	67.8%	67.6%	66.4%	88.2%		89.3%	95.0%		95.0%
73.7%	65.5%	71.8%	64.9%	57.5%	58.5%	58.8%	74.9%		77.7%	81.1%		85.3%
	AZ	NM	KS	AR	TN	NC	SC		DC	DE		
	75.8%	90.8%	74.4%	68.4%	63.5%	87.9%	69.5%		95.0%	85.7%		
	63.4%	73.0%	63.6%	55.7%	55.6%	64.0%	58.5%		80.2%	71.2%		
			OK	LA	MS	AL	GA					
			72.9%	62.1%	61.0%	64.1%	67.1%					
			58.8%	54.4%	53.1%	52.3%	56.2%					
			TX									
			74.7%									
			62.2%									
									FL			PR
									81.1%			95.0%
									68.4%			85.0%

## The demographics of US vaccination

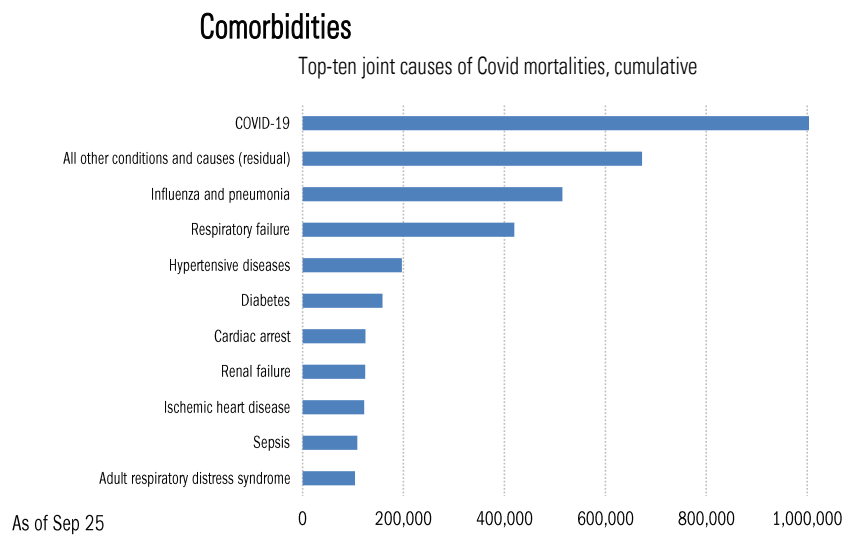
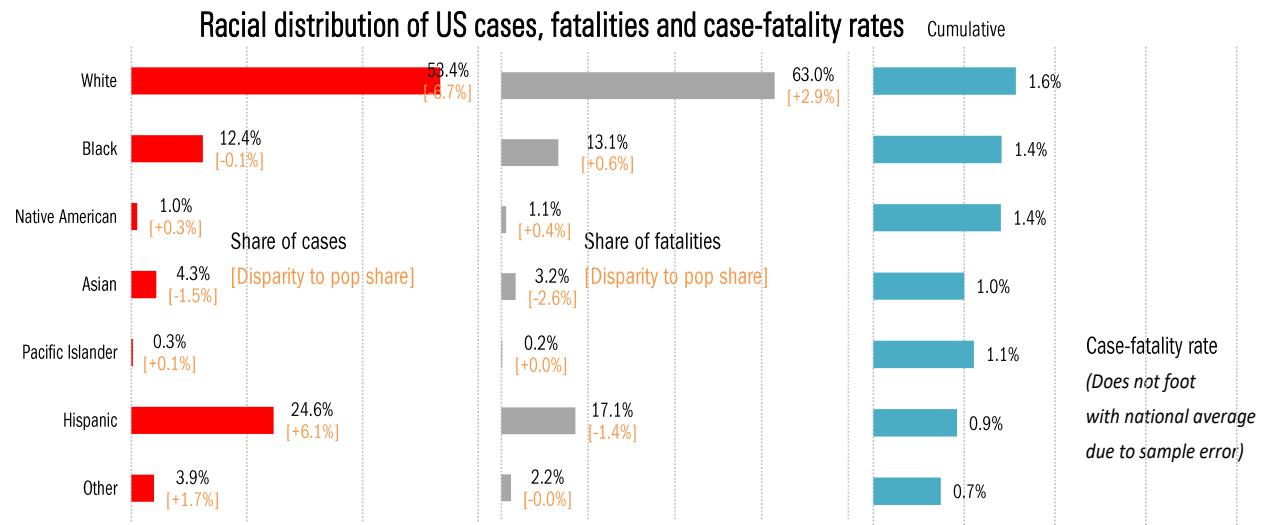
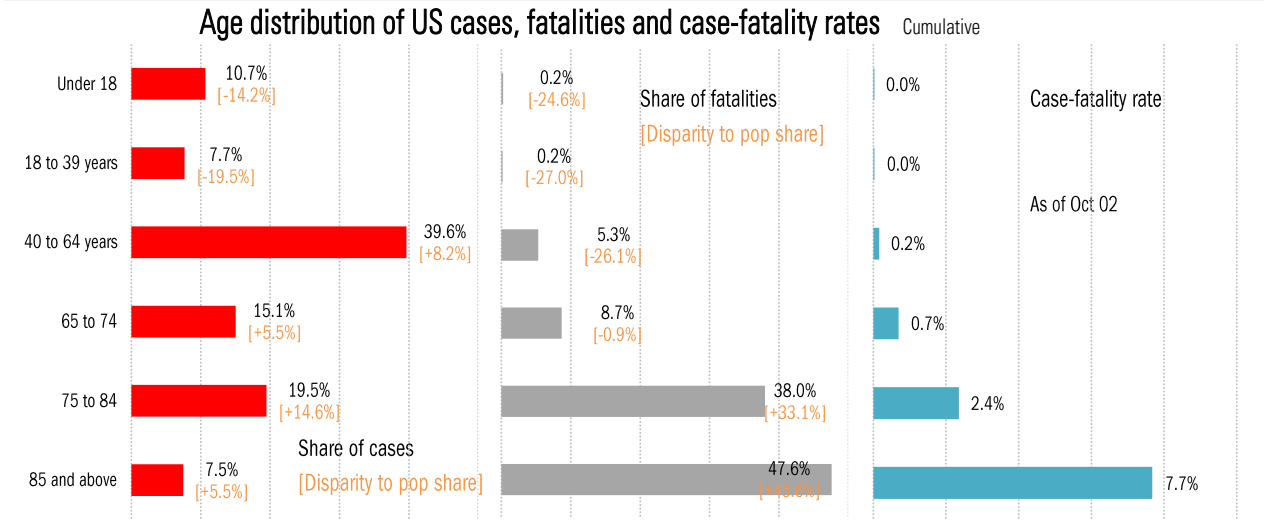


Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive



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



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



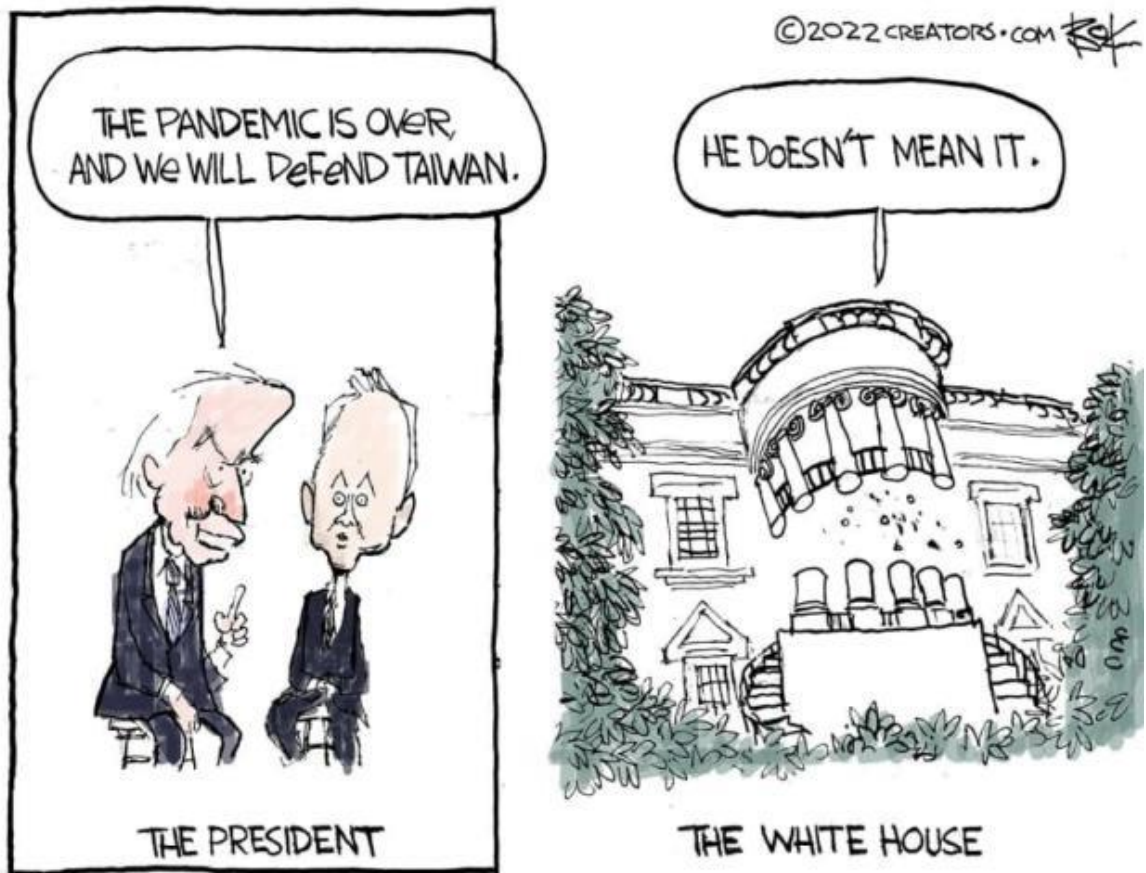
## Recommended reading

[Covid Fraud Hits \\$45.6 Billion](#)

*Wall Street Journal*

September 30, 2022

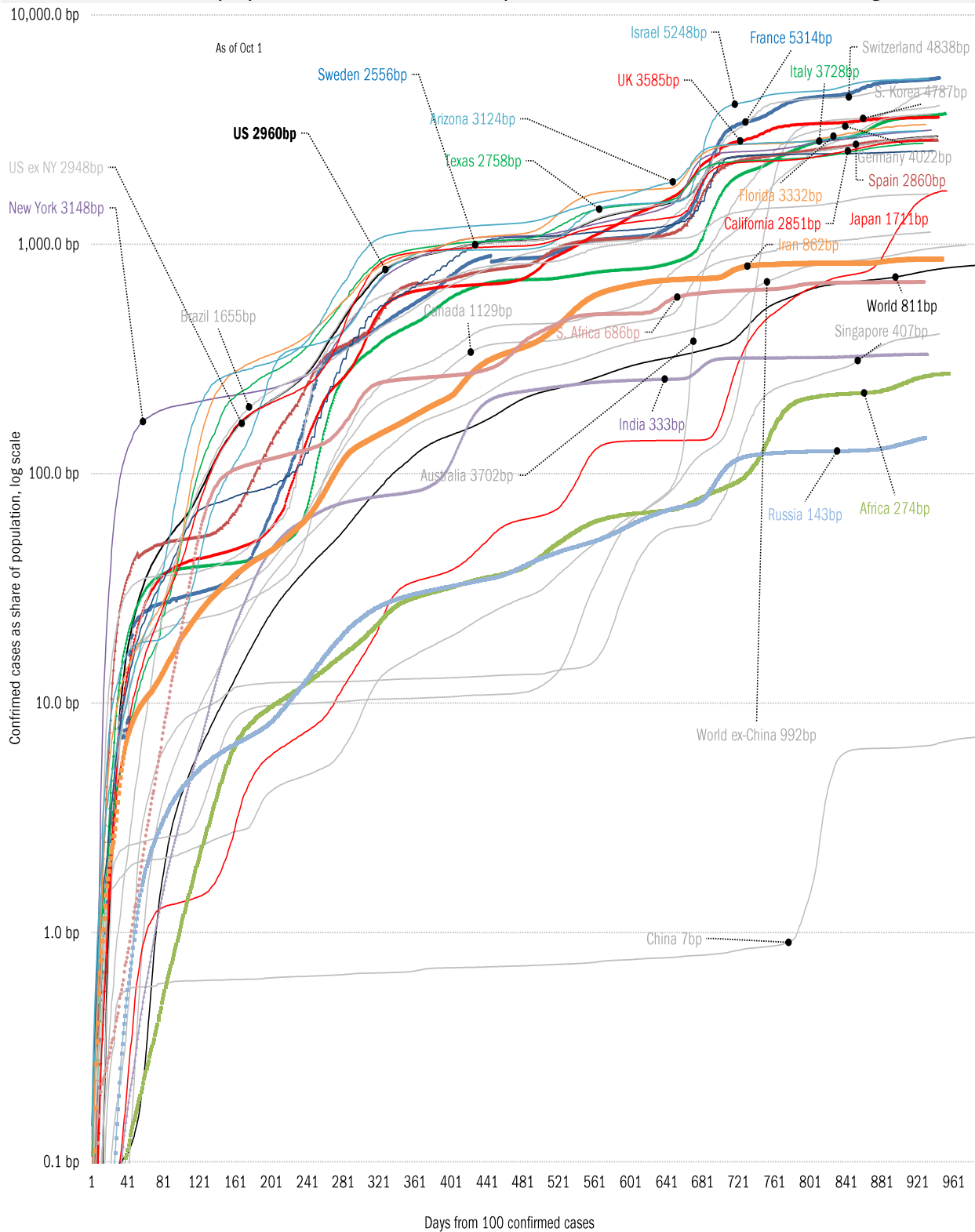
## Meme of the day



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



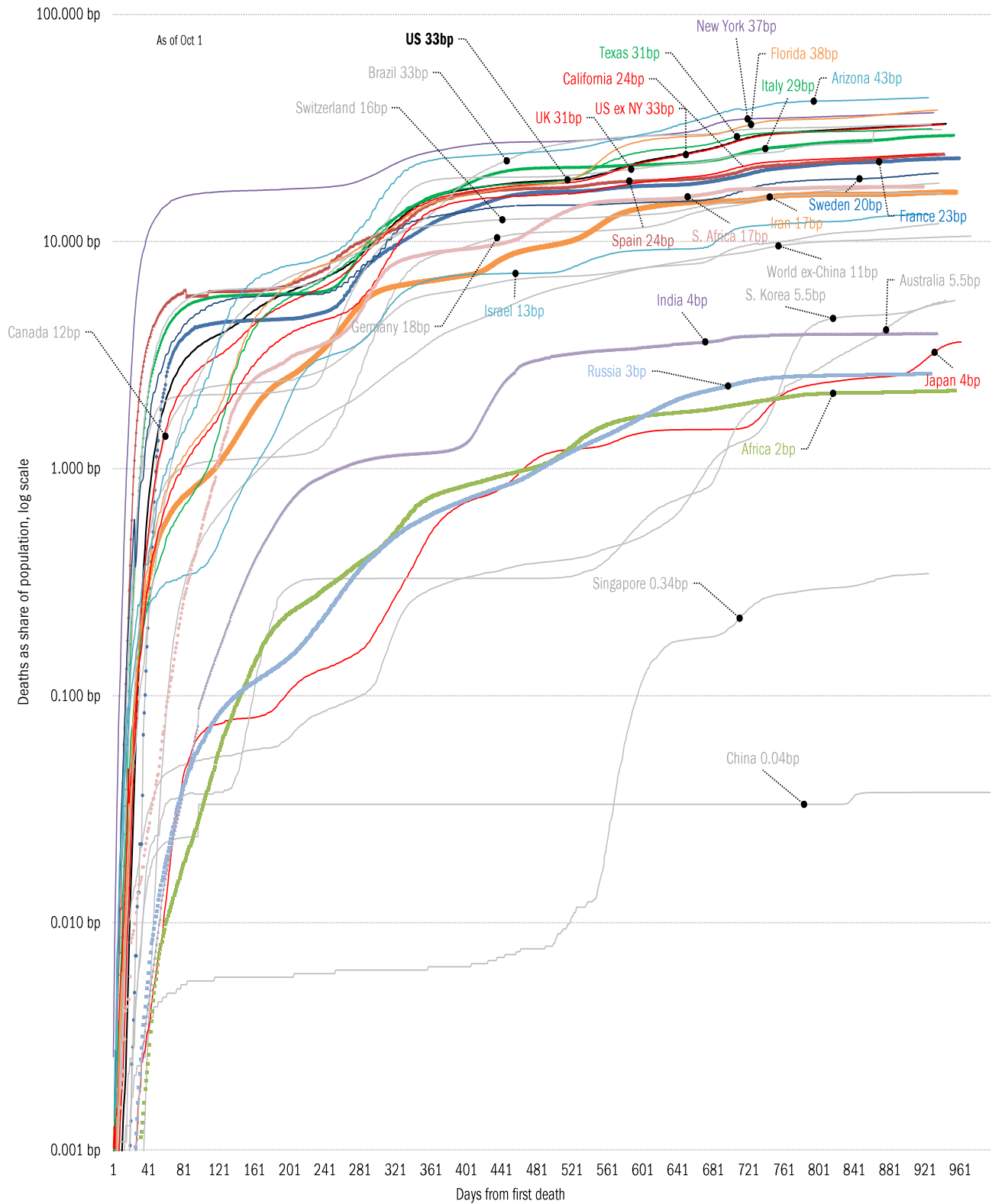
The global coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*

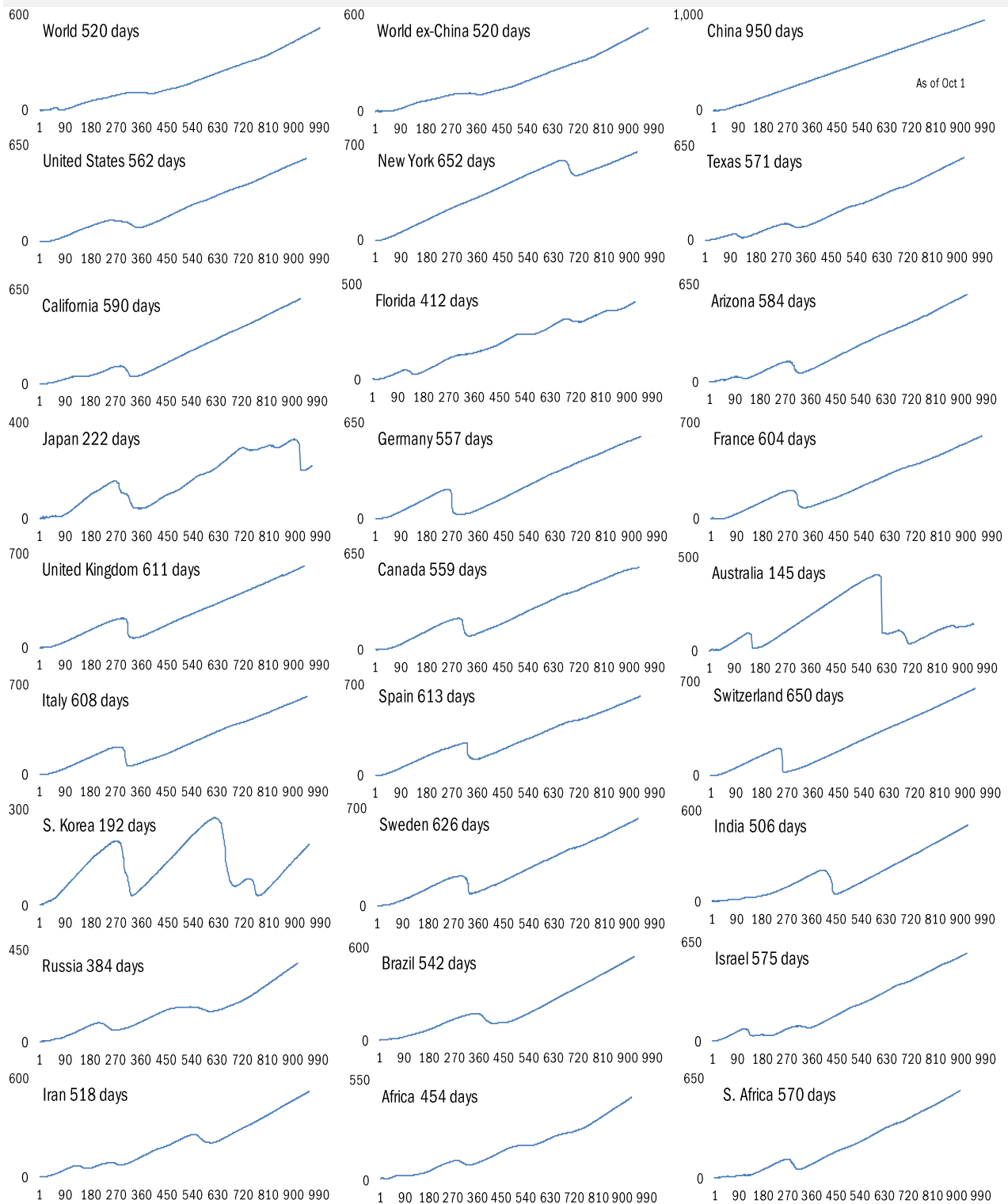


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

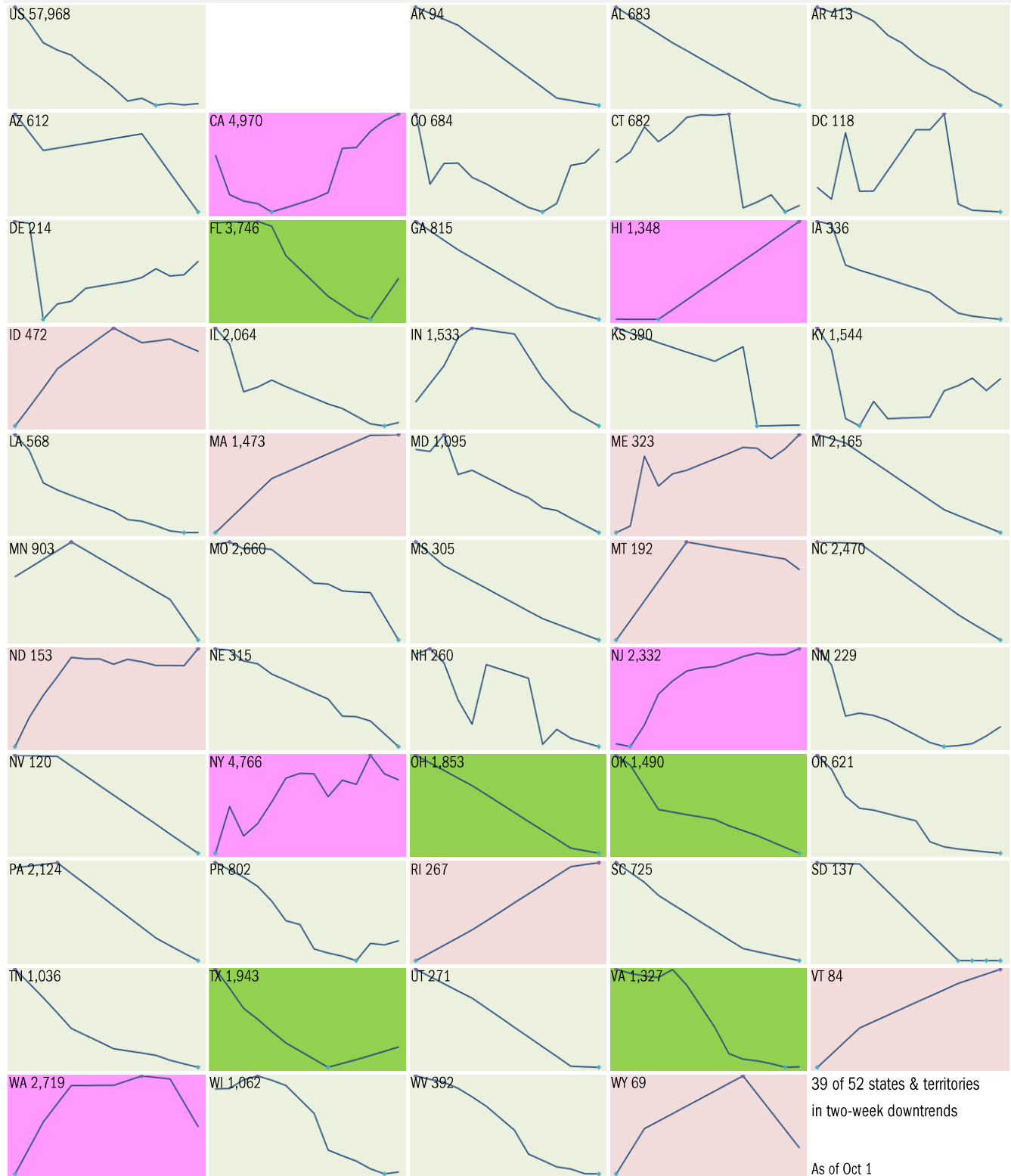


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

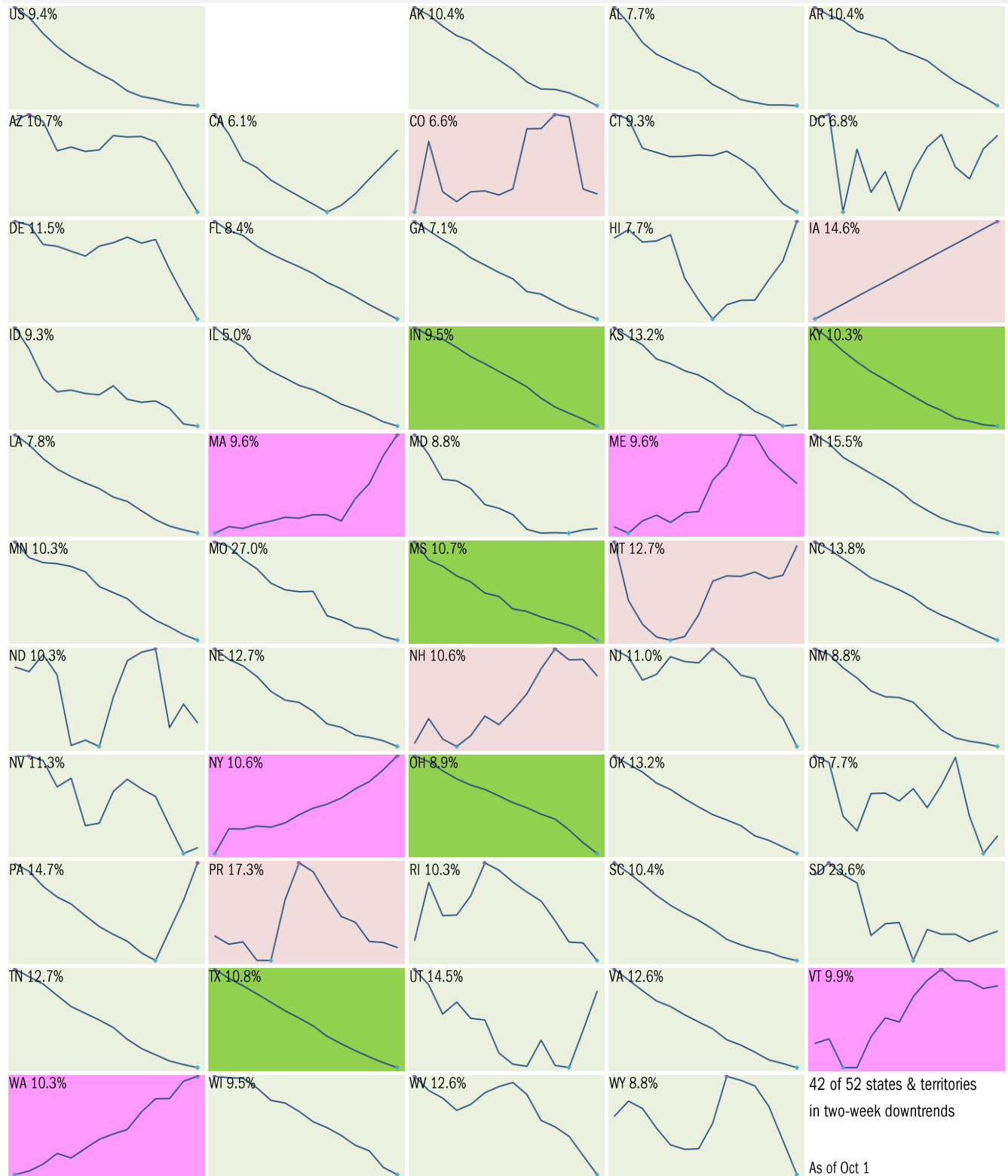


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

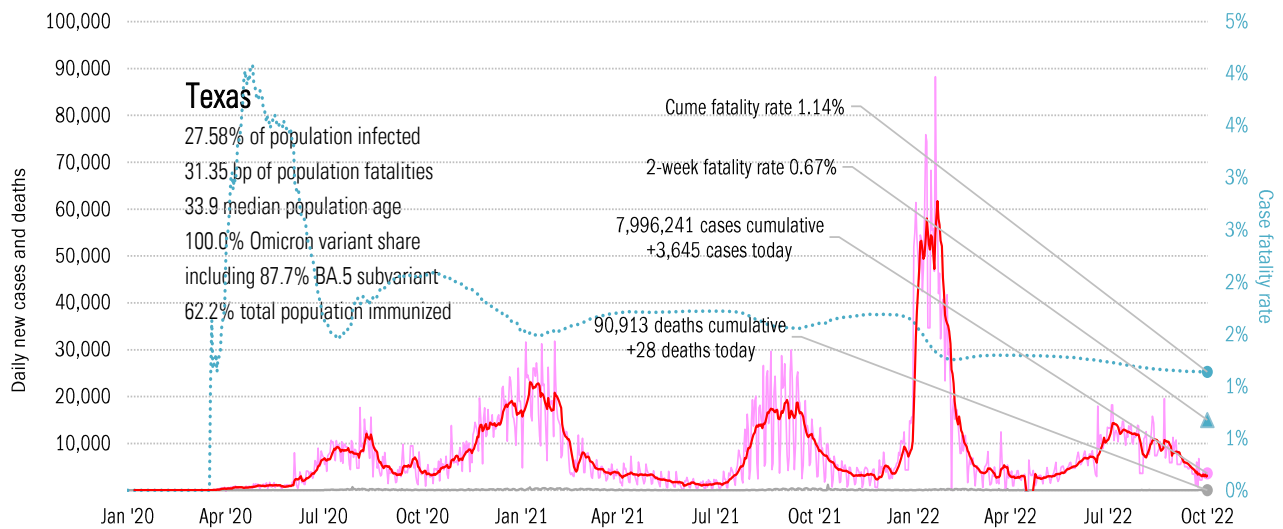
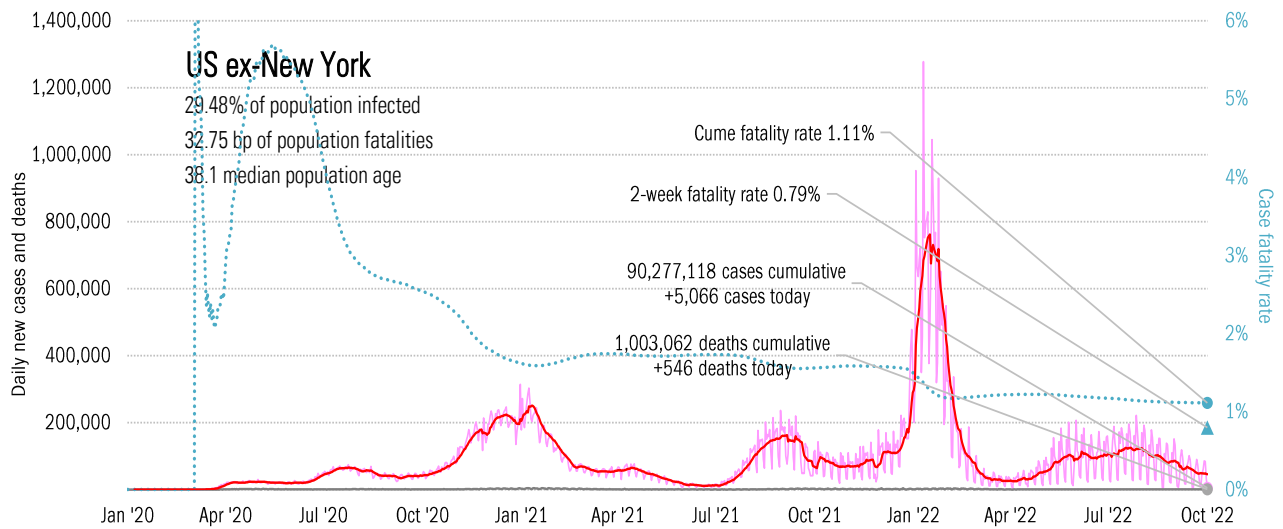
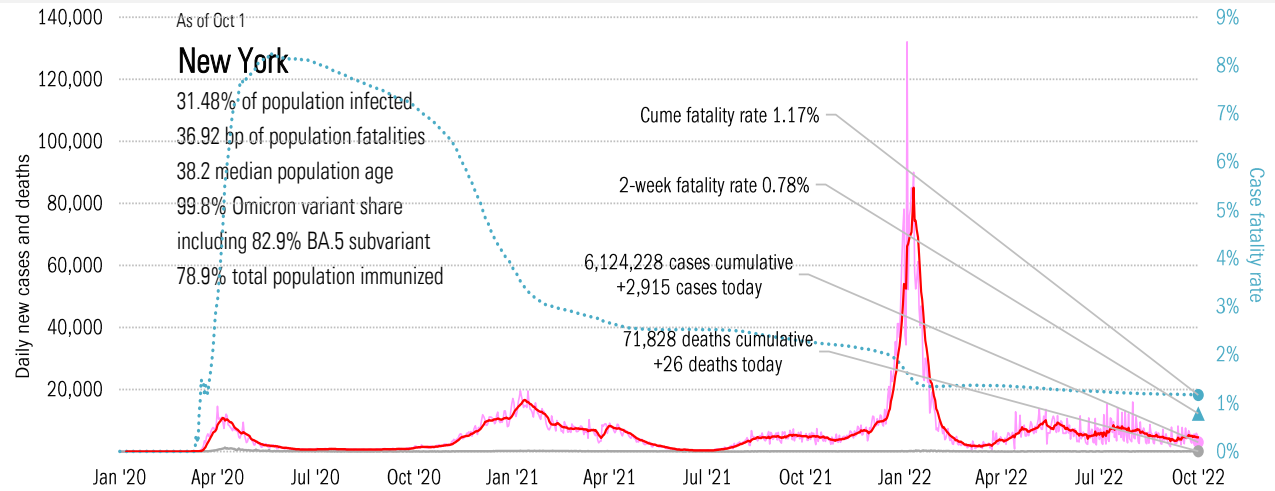
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

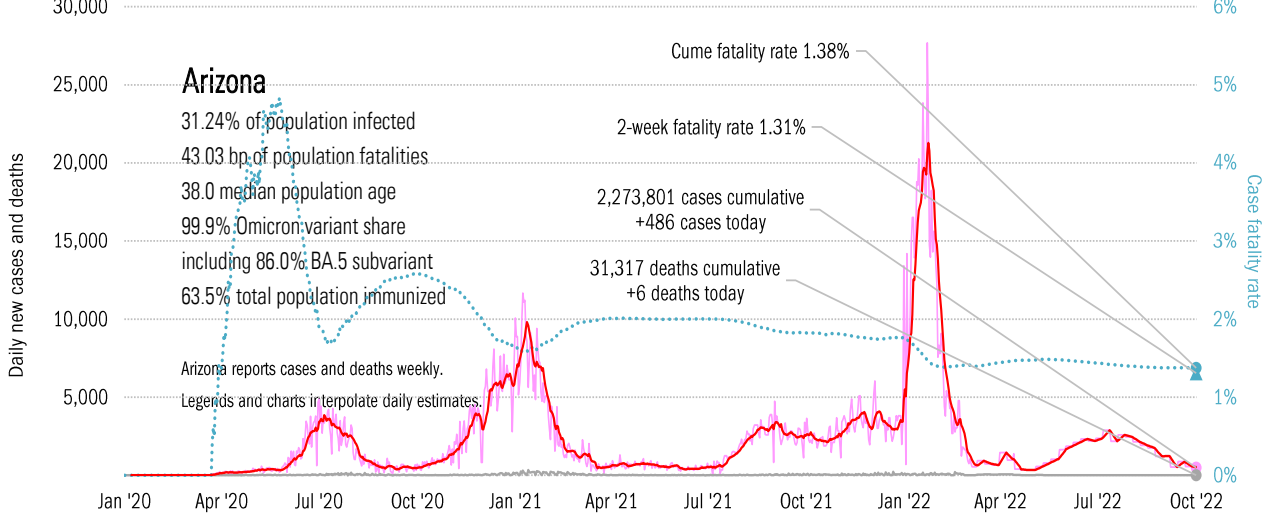
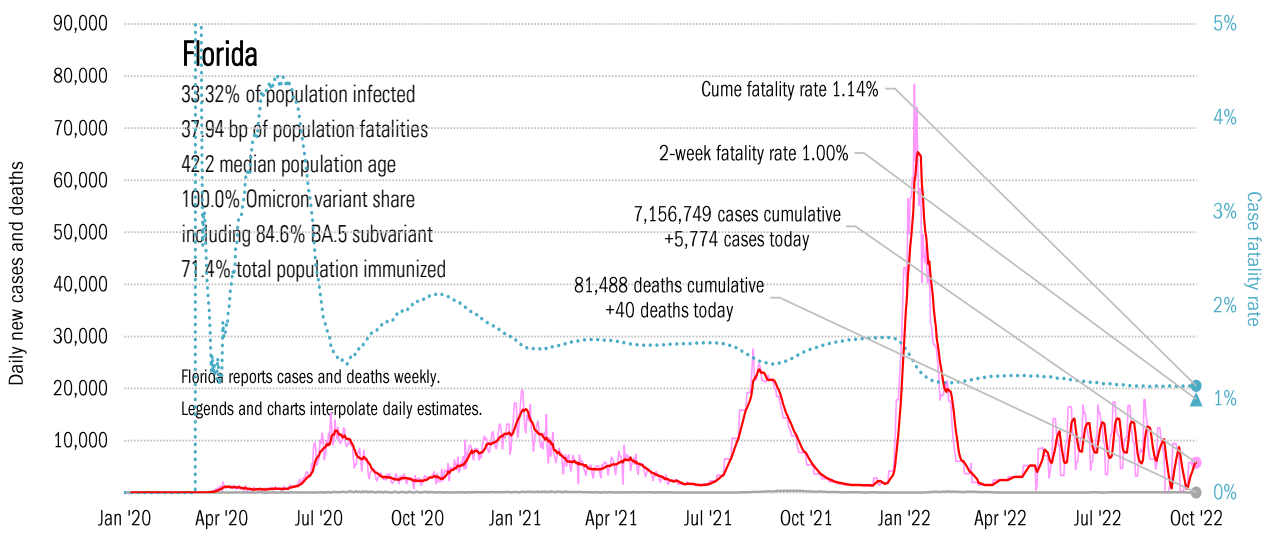
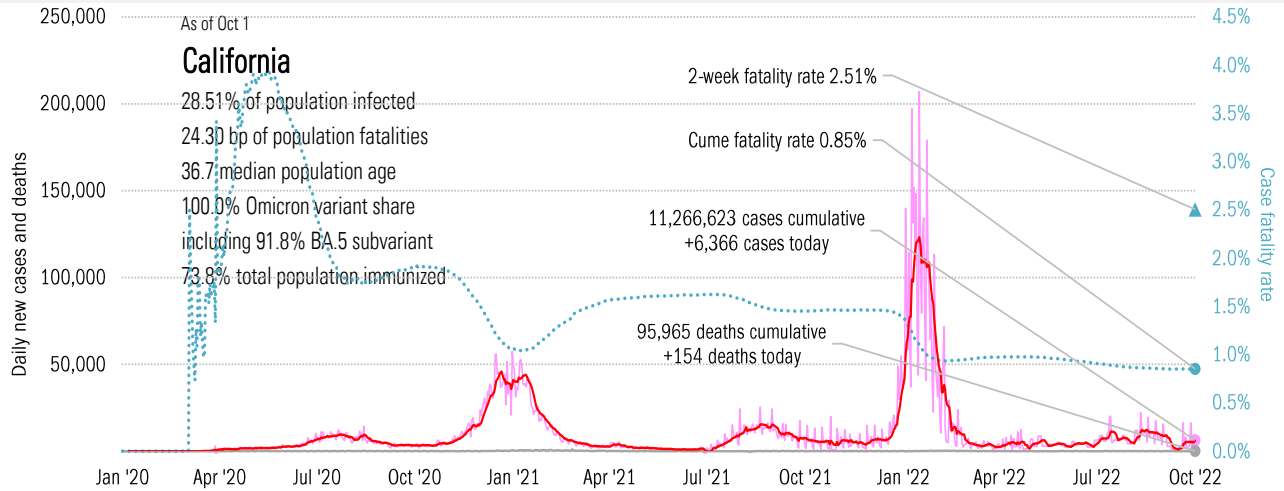
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

Cases: 7-day average and daily Deaths: Daily

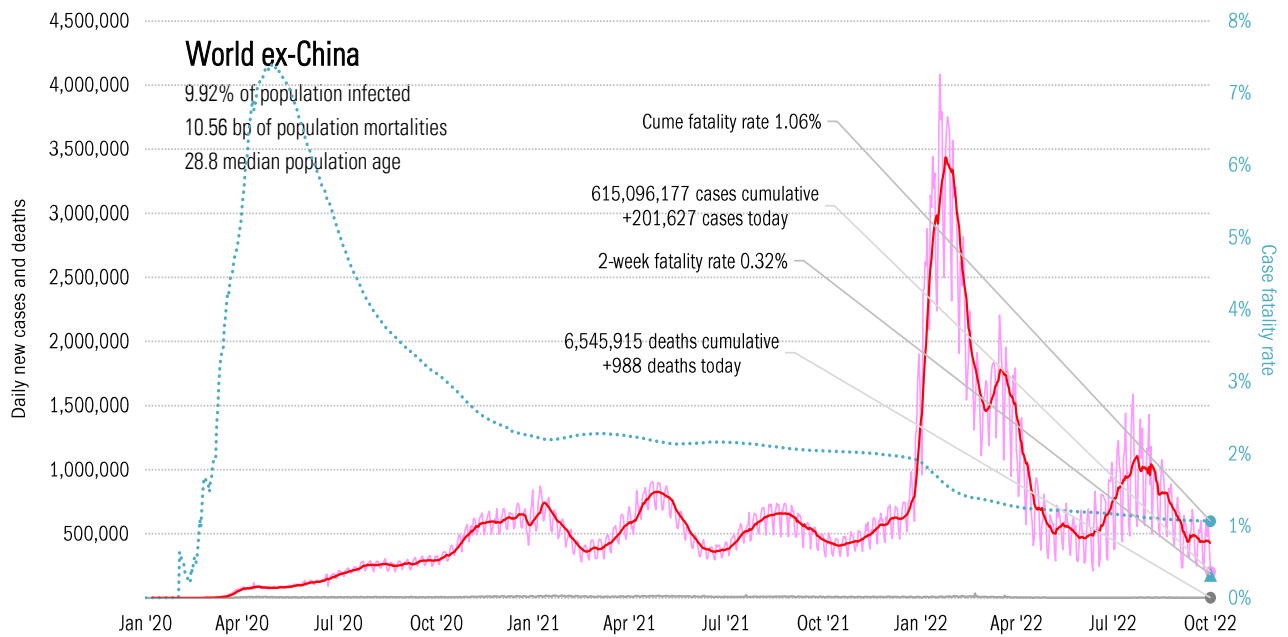
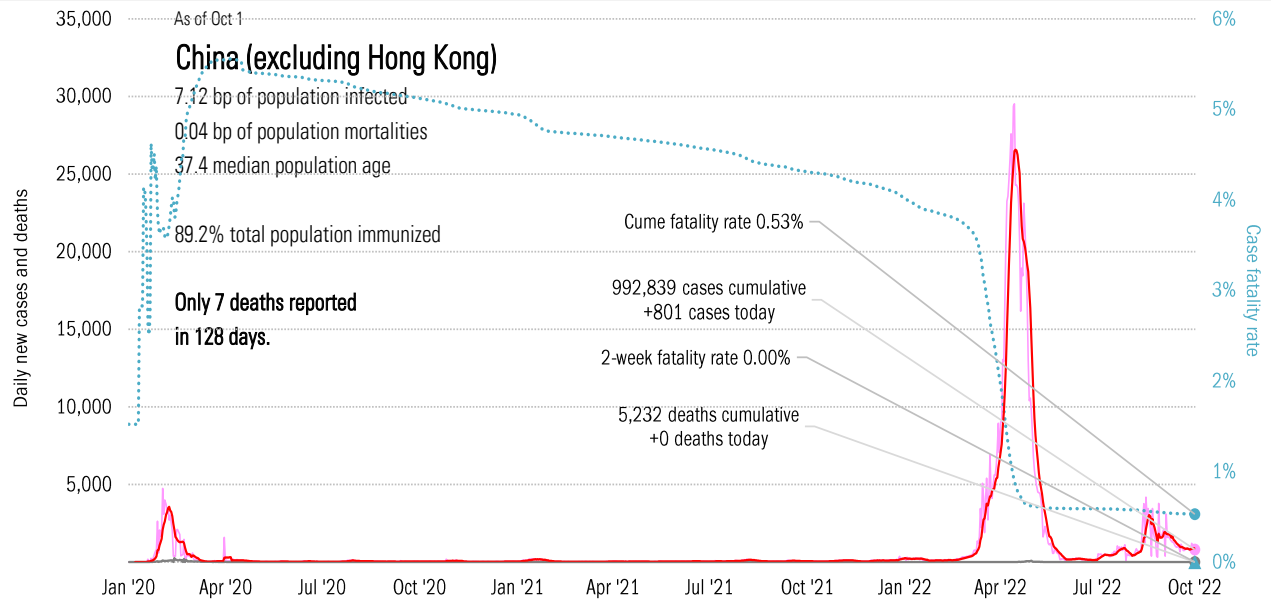


Source: [Johns Hopkins](#), TrendMacro calculations



# Patient zero... and then everyone else

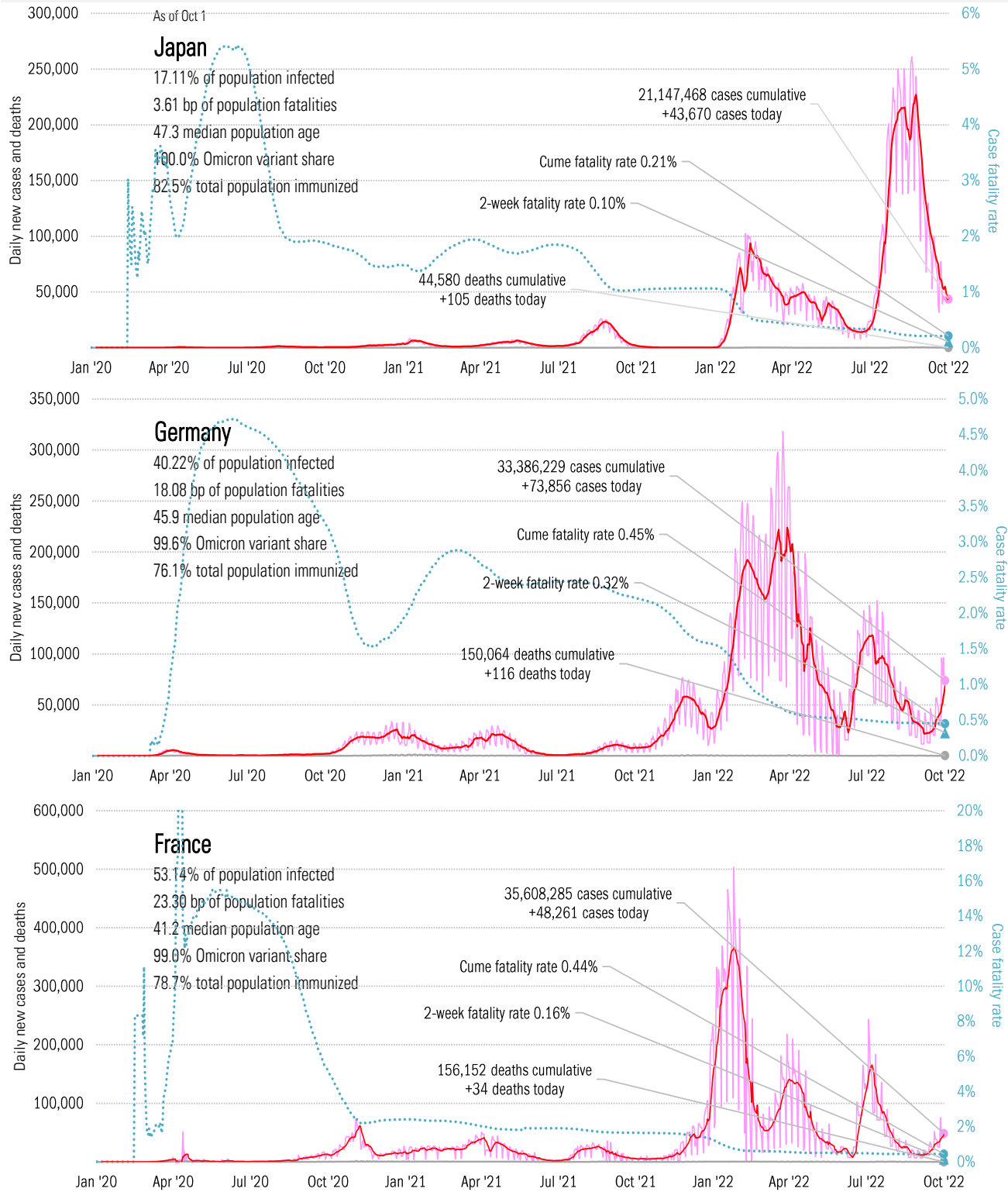
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

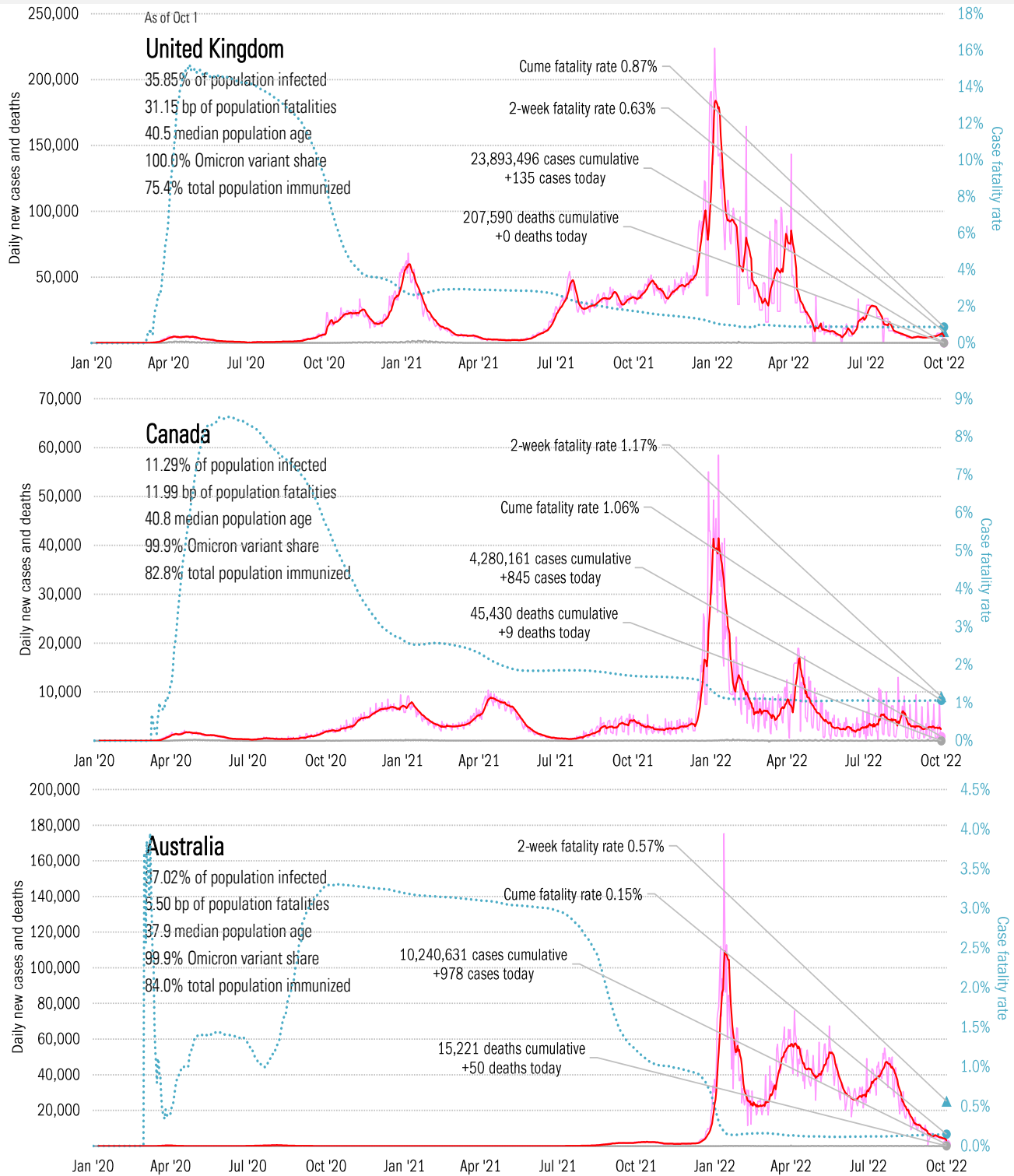
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

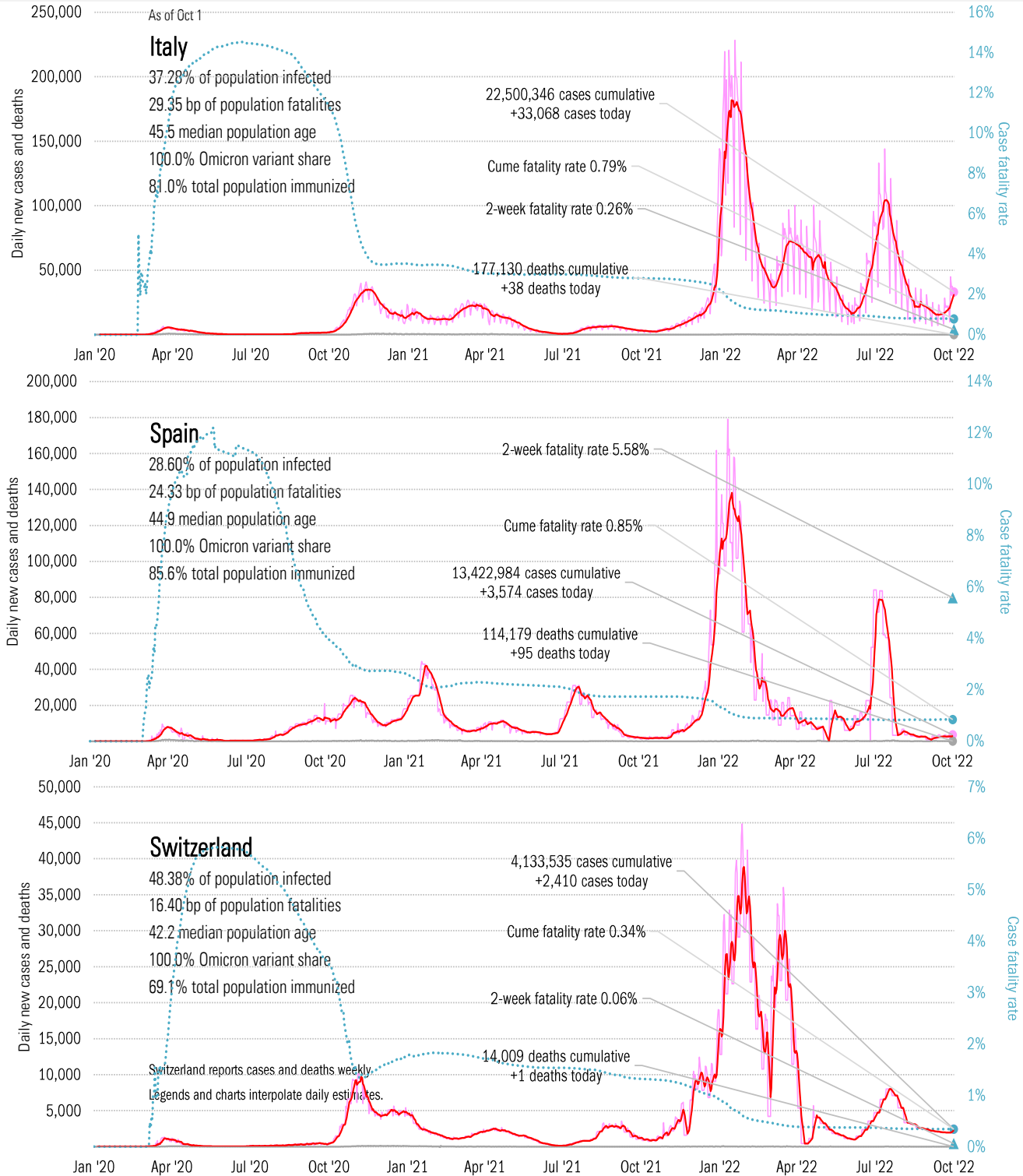
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

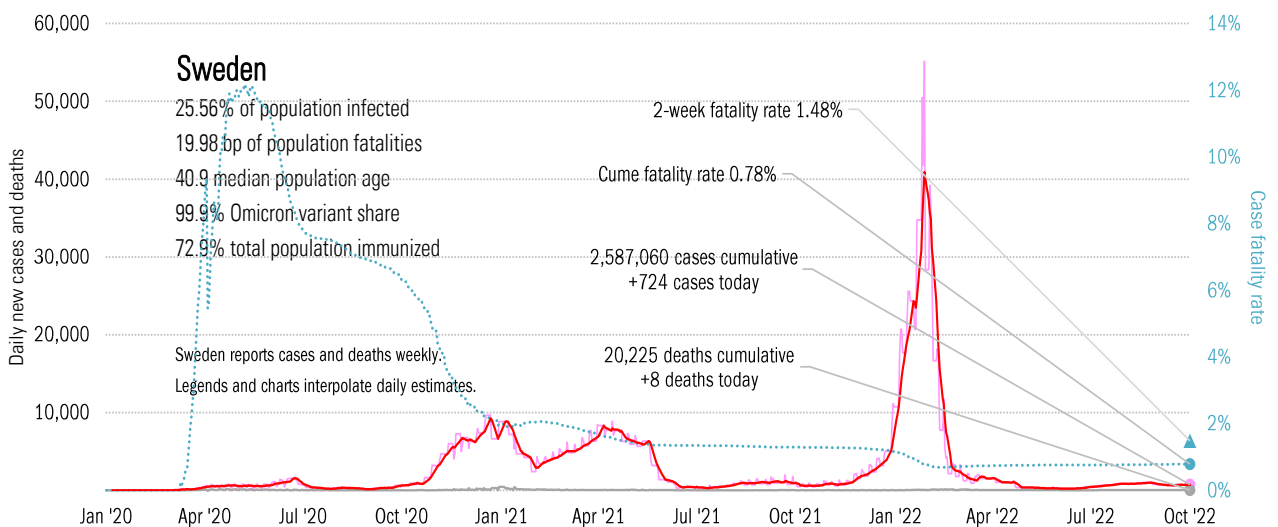
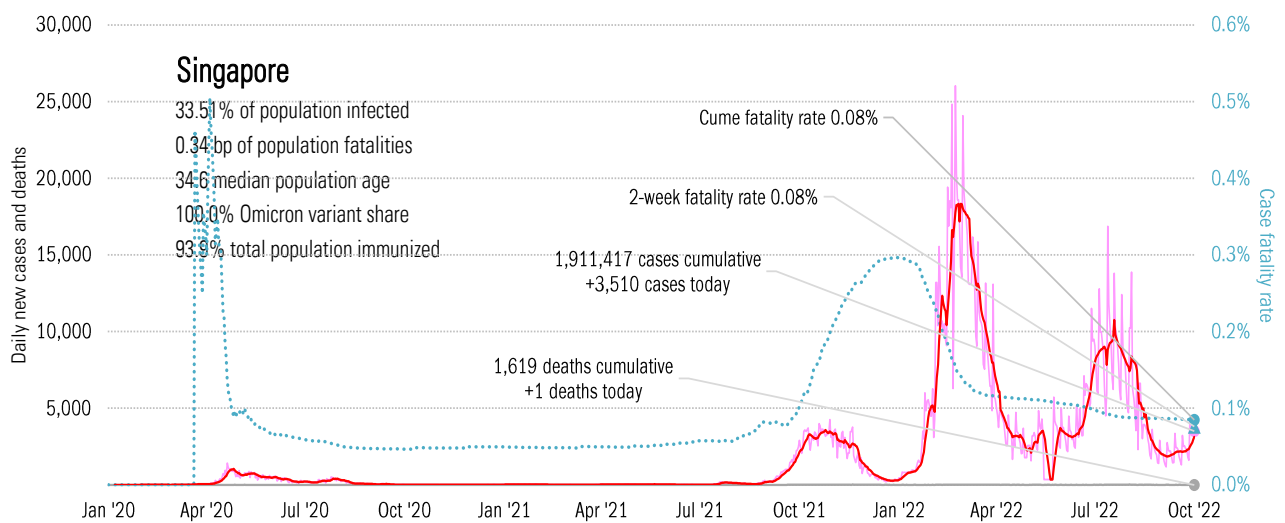
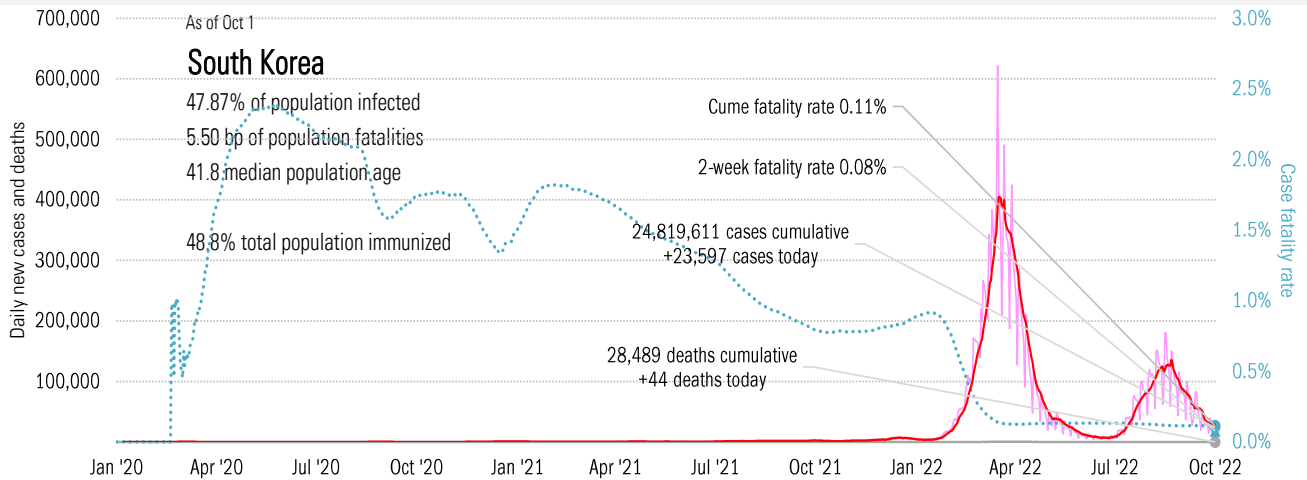
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

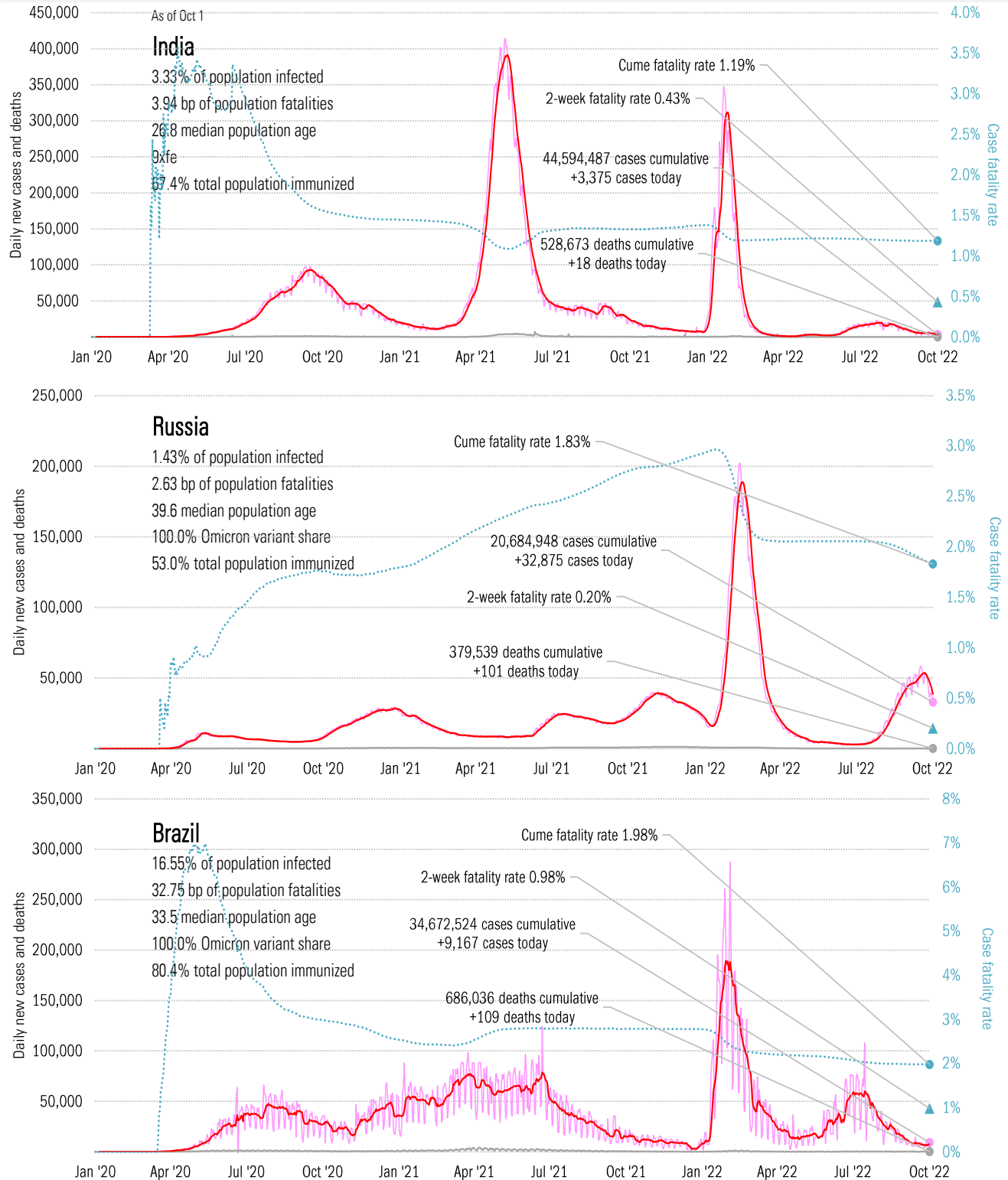
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

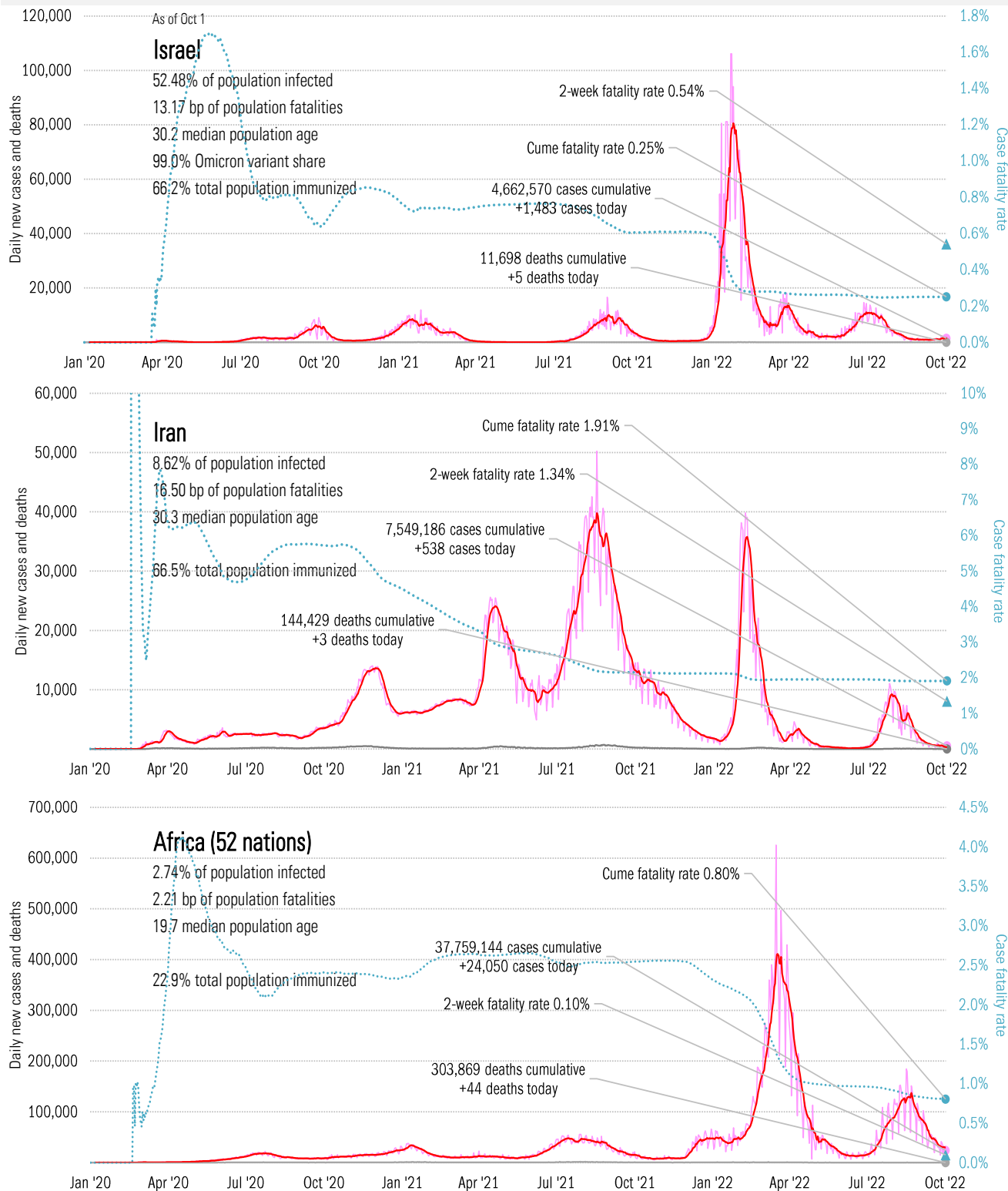
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

Cases: 7-day average and daily Deaths: Daily

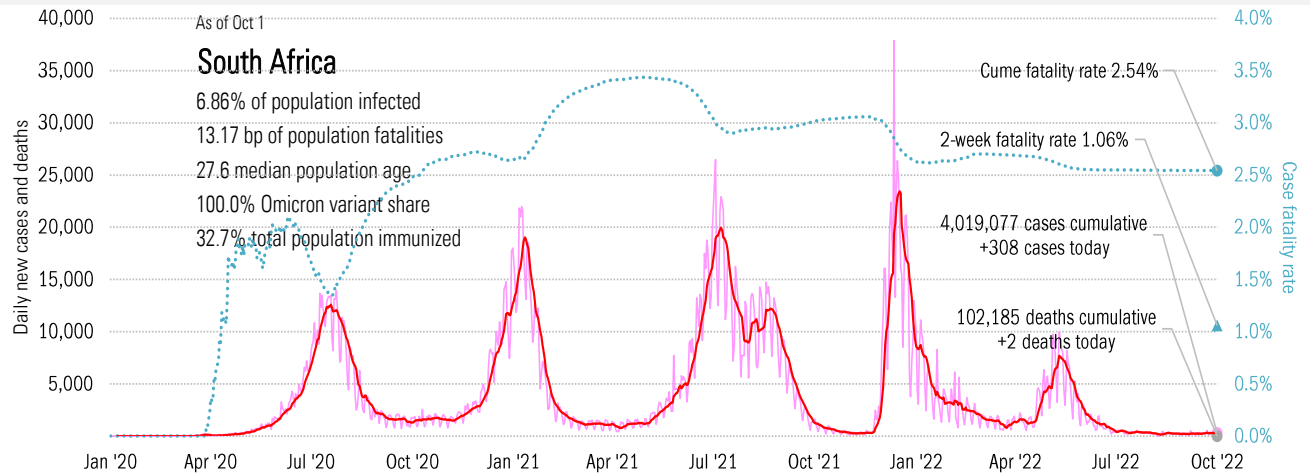


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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