

## Data Insights: Covid-2019 Monitor

Thursday, November 3, 2022

### The global scorecard

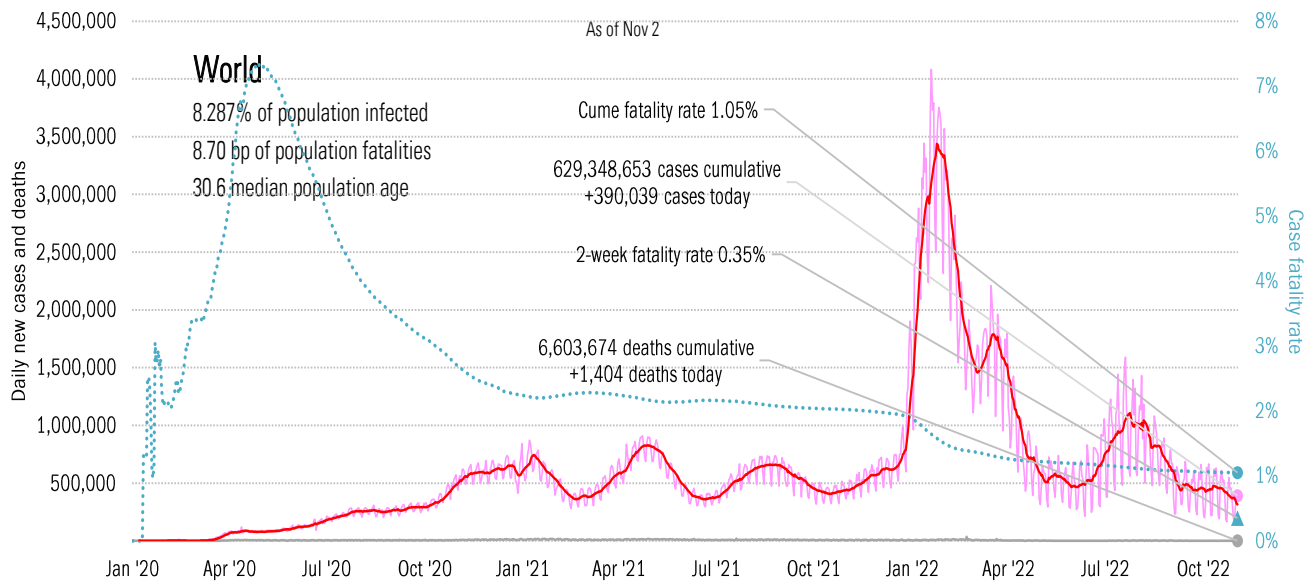
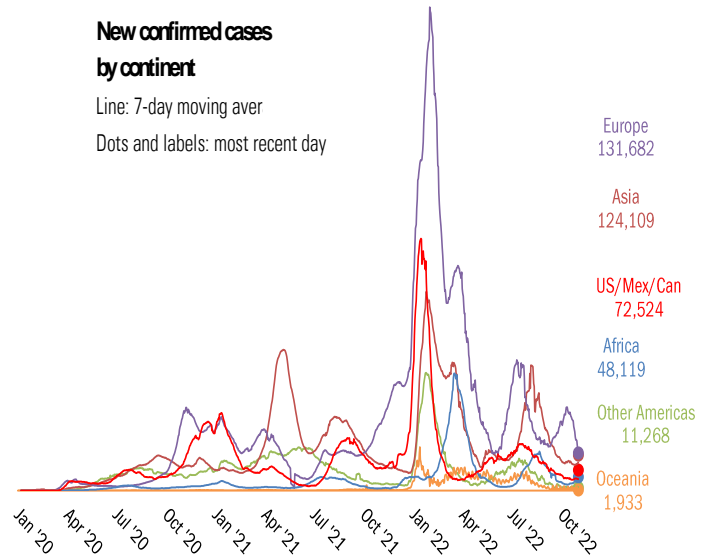
Cases: **7-day average** and **daily** Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Germany	78,629	United States	620
Japan	70,396	Germany	281
Korea, South	46,870	France	150
United States	40,308	Japan	70
France	35,159	Russia	66
Taiwan*	33,156	Taiwan*	53
Russia	6,337	Canada	42
Indonesia	4,873	Korea, South	41
Austria	4,492	Philippines	36
Singapore	4,086	Indonesia	32
<b>324,306</b>		<b>1,391</b>	

#### 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

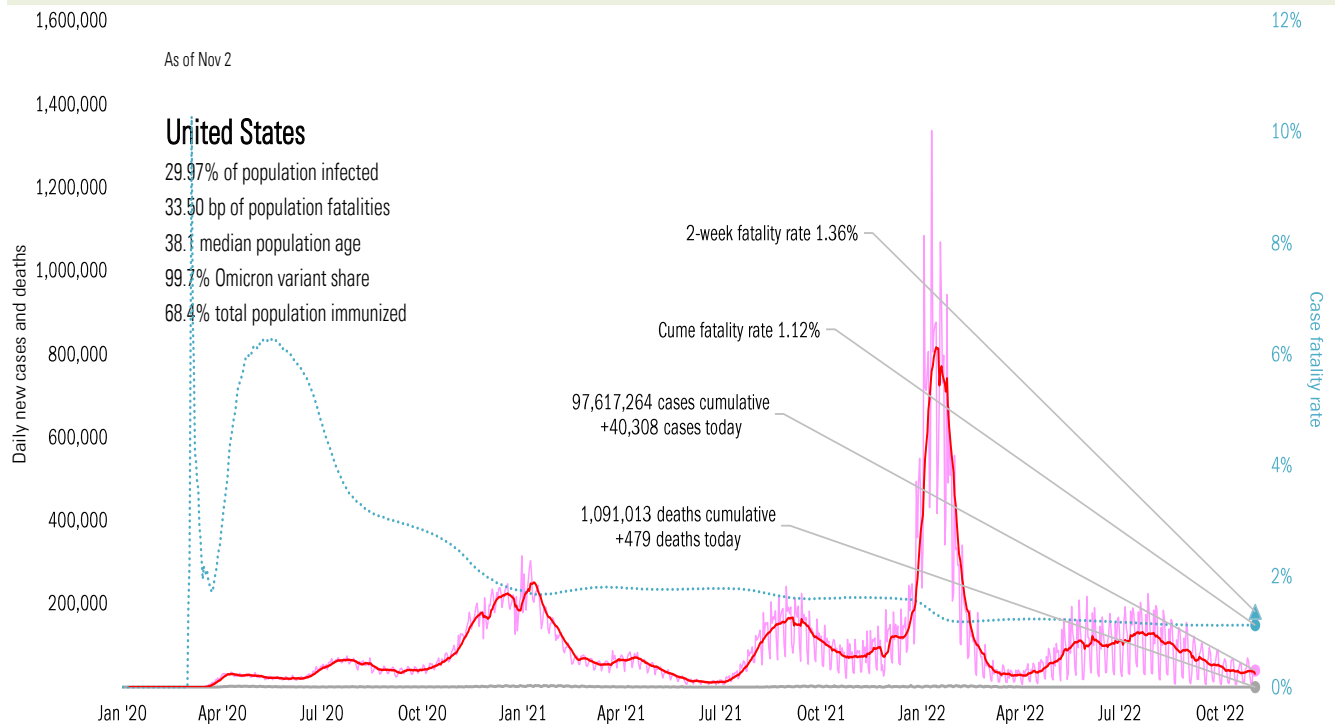
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
NY	3,745		NC	281		GA	105		CA	11,369,914		CA	96,905		TX	551,135		RI	92%	AK	85%
TX	3,151		NY	31		KY	50		TX	8,043,407		TX	91,198		CA	508,326		MA	85%	AL	85%
FL	2,865		MI	22		SC	46		FL	7,199,396		FL	82,354		FL	499,324		GA	84%	MA	84%
NJ	2,107		TX	20		UT	35		NY	6,259,342		NY	73,217		NY	311,131		MN	84%	RI	84%
PA	1,781		WA	20		CO	70		IL	3,818,330		PA	47,840		GA	228,226		WA	84%	WA	82%
IL	1,755		PA	19		DC	17		PA	3,317,854		GA	40,696		CH	223,333		MO	84%	TX	81%
CH	1,666		FL	16		NH	25		NC	3,246,175		CH	40,178		PA	209,643		WV	82%	NH	81%
MI	1,664		CT	15		AZ	60		CH	3,185,038		IL	40,032		IL	191,444		NH	81%	NC	81%
KY	1,592		MA	14		WY	10		GA	2,924,732		MI	39,406		MI	167,078		AK	81%	GA	81%
NE	1,390		DE	11		NE	22		MI	2,897,827		NJ	34,920		KY	146,573		MI	81%	DC	80%
21,716			450			440			52,262,015			586,746			3,036,213						
All states 40,308			620			3,313			All states 97,617,264			1,091,013			5,512,103			All states 70%		67%	
Top ten 54%			73%			13%			Top ten 54%			55%			55%			Median 76%		73%	

Some states not reporting

## Five most improved US states

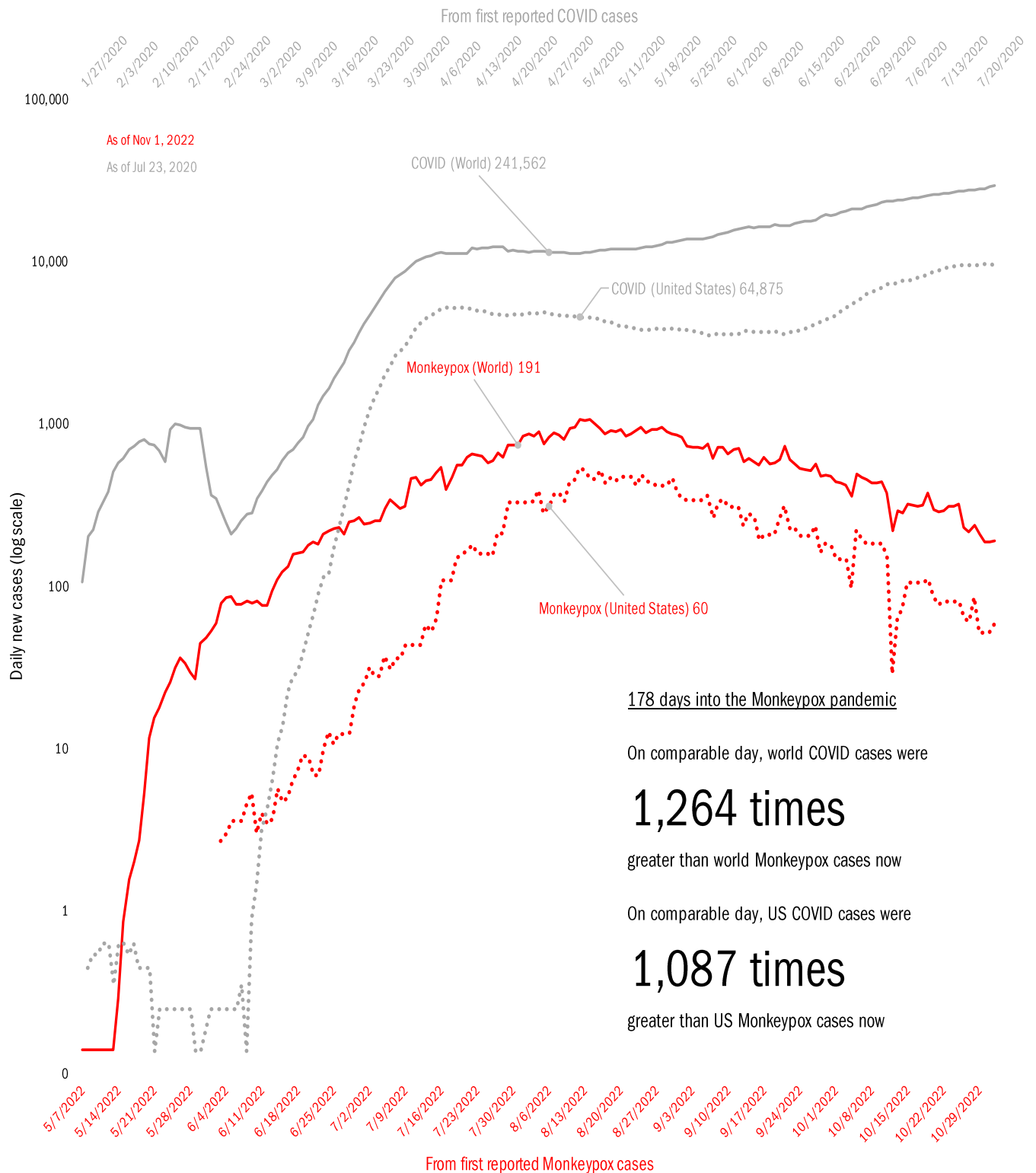
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
MO	-1,081	IL	-15	NY	-127
IL	-172	WI	-14	CH	-84
VA	-133	AR	-9	MA	-71
AK	0	MO	-9	MI	-50
AL	0	CO	-7	IL	-46



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

# The Monkeypox contextualizer

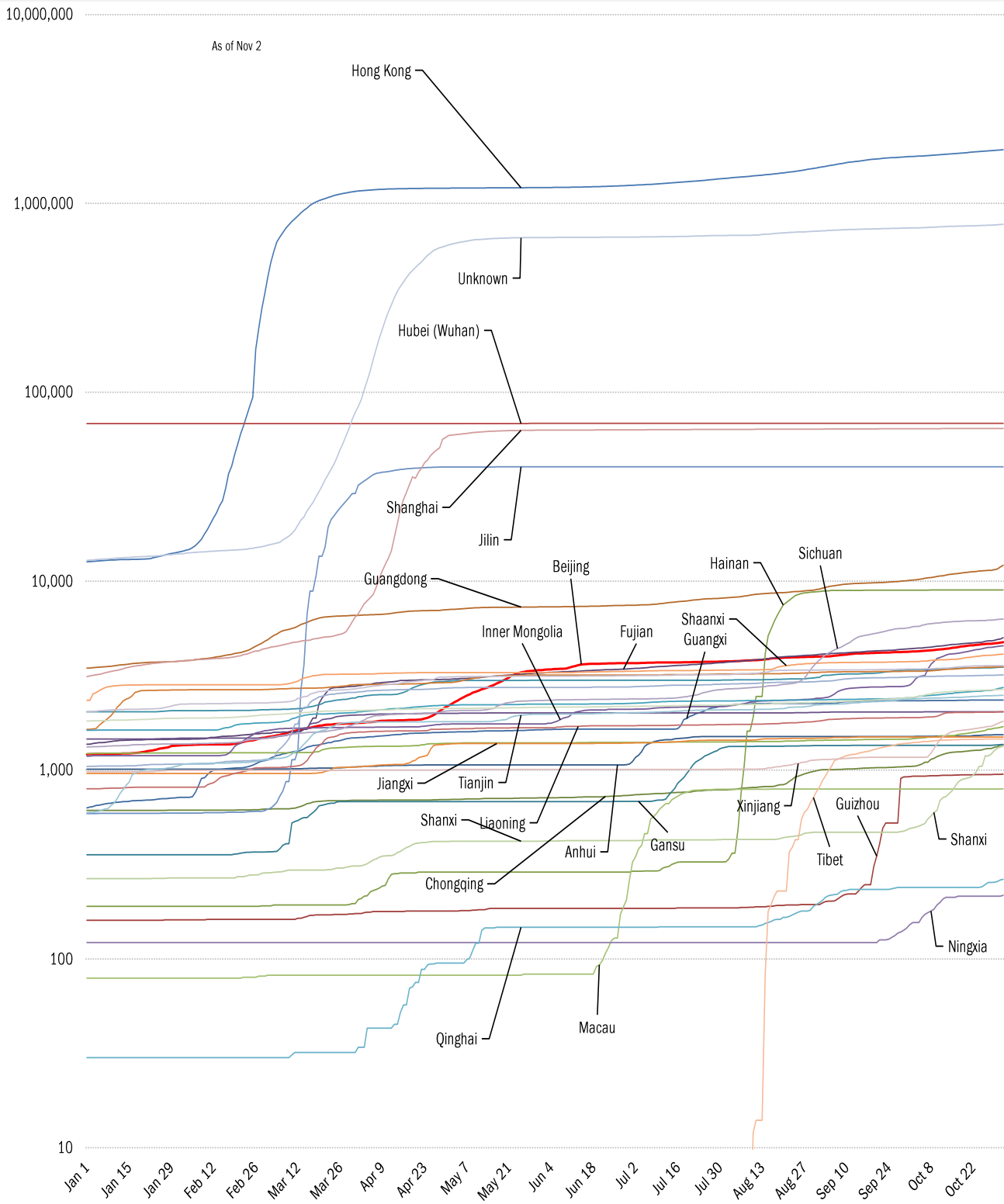
## The course of case growth versus COVID



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"*

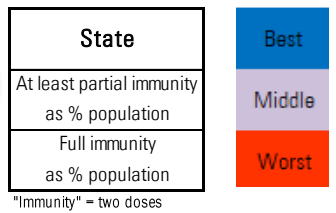
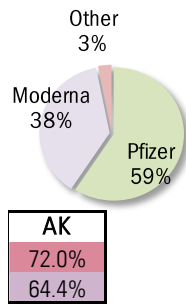


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

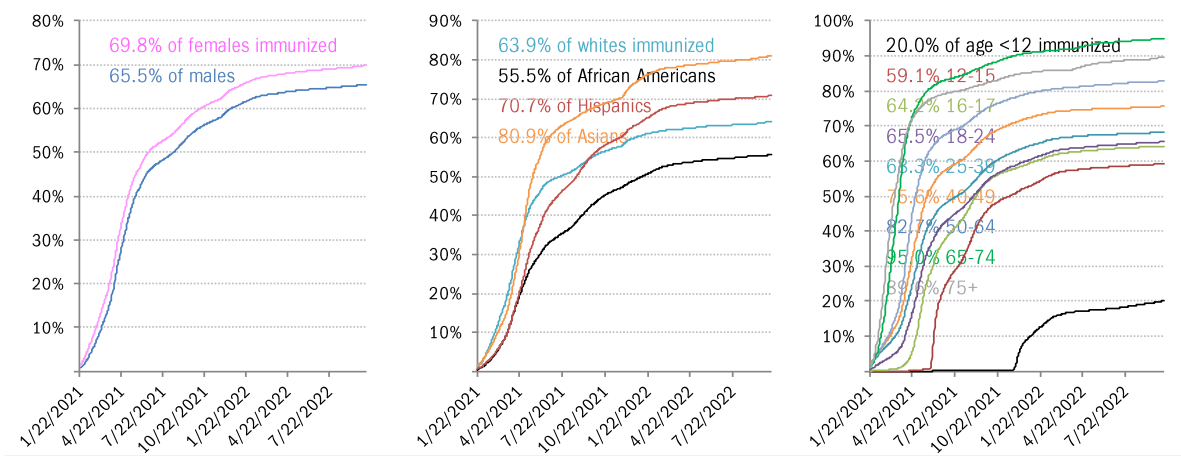
Administered	Cumulative		Today	Immunity	Full	Partial
Doses	648,750,535		+0.738 million	US	68.3%	80.0%
of which boosters	113,645,892		+0.078 million	UK	75.5%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	273,846,111	82%	233,314,181	70%	+0.058 million	France 78.7% 81.0%
Age 12 to 17	18,280,111	72%	15,624,127	62%	+0.002 million	Spain 85.6% 87.0%
Age 18 to 64	182,419,383	90%	155,060,039	76%	+0.029 million	Germany 76.1% 77.7%
Age 65 and over	60,341,000	100%	52,811,521	96%	+0.016 million	Italy 81.0% 85.8%
						Australia 84.0% 86.6%
						Israel 66.3% 72.3%
						Canada 82.9% 88.1%
						Japan 82.6% 83.7%
						Africa 24.2% 30.1%
						India 67.5% 73.0%
						Brazil 80.4% 87.4%
						China 89.2% 91.4%



As of Oct 21

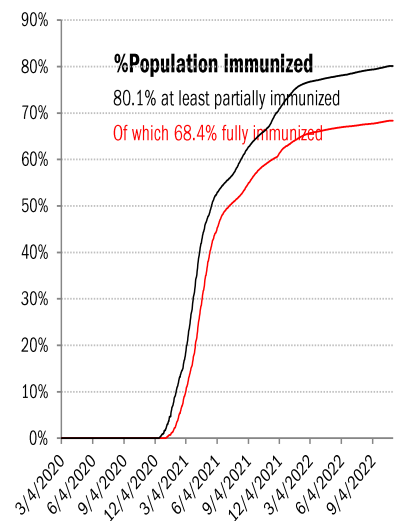
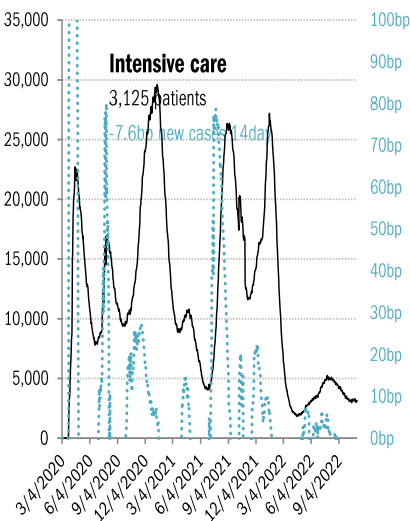
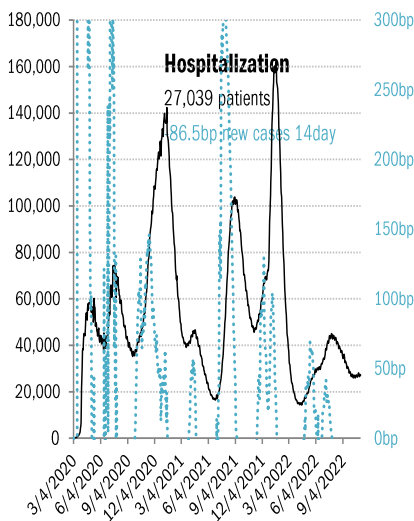
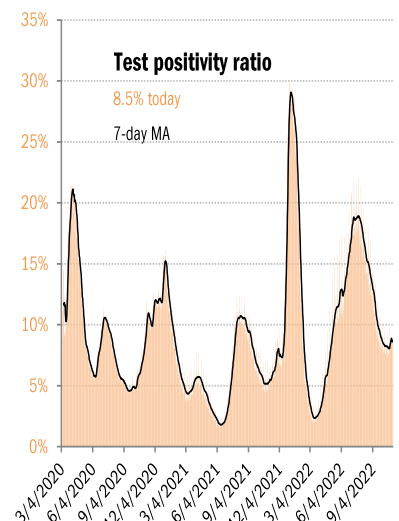
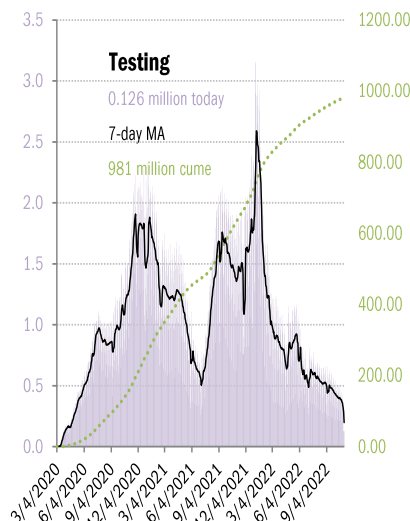
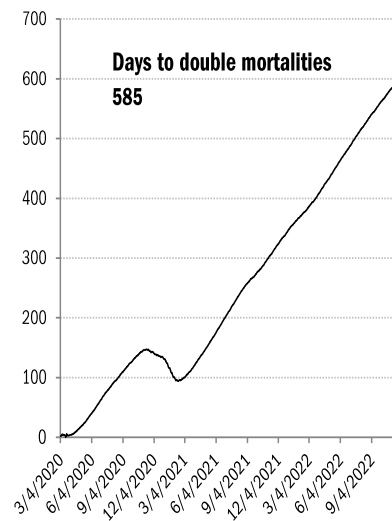
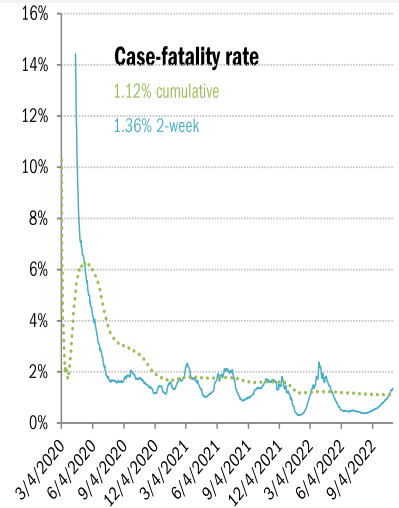
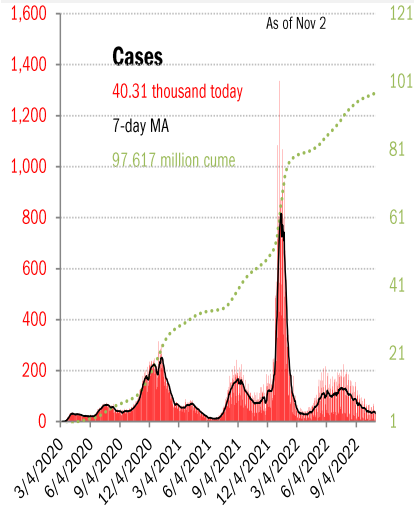
State	Best	Middle	Worst
AK	72.0%	64.4%	
WI	73.9%	67.3%	
ME	94.6%	82.1%	
NY	92.9%	79.4%	
VT	95.0%	83.9%	
NH	84.8%	69.7%	
OR	80.2%	71.3%	
NV	77.6%	62.6%	
WY	59.8%	52.3%	
SD	81.0%	64.6%	
IA	69.7%	63.5%	
IN	63.6%	57.2%	
OH	64.9%	59.7%	
PA	88.5%	71.5%	
NJ	93.2%	77.9%	
MA	95.0%	82.2%	
CA	85.2%	74.2%	
UT	74.3%	65.9%	
CO	82.2%	72.4%	
NE	72.3%	65.3%	
MO	68.2%	58.0%	
KY	67.9%	58.9%	
WV	66.7%	59.1%	
VA	88.9%	75.4%	
MD	90.0%	78.3%	
CT	95.0%	81.8%	
RI	95.0%	86.1%	
AZ	76.4%	63.8%	
NM	91.7%	73.7%	
KS	74.9%	64.1%	
AR	68.8%	56.1%	
TN	63.8%	55.8%	
NC	89.2%	65.0%	
SC	69.9%	59.0%	
DC	95.0%	82.1%	
DE	86.3%	71.8%	
OK	73.4%	59.4%	
LA	62.3%	54.6%	
MS	61.1%	53.3%	
AL	64.3%	52.5%	
GA	67.3%	56.4%	
HI	90.2%	80.5%	
TX	75.0%	62.4%	
FL	81.4%	68.6%	
PR	95.0%	85.9%	

## The demographics of US vaccination

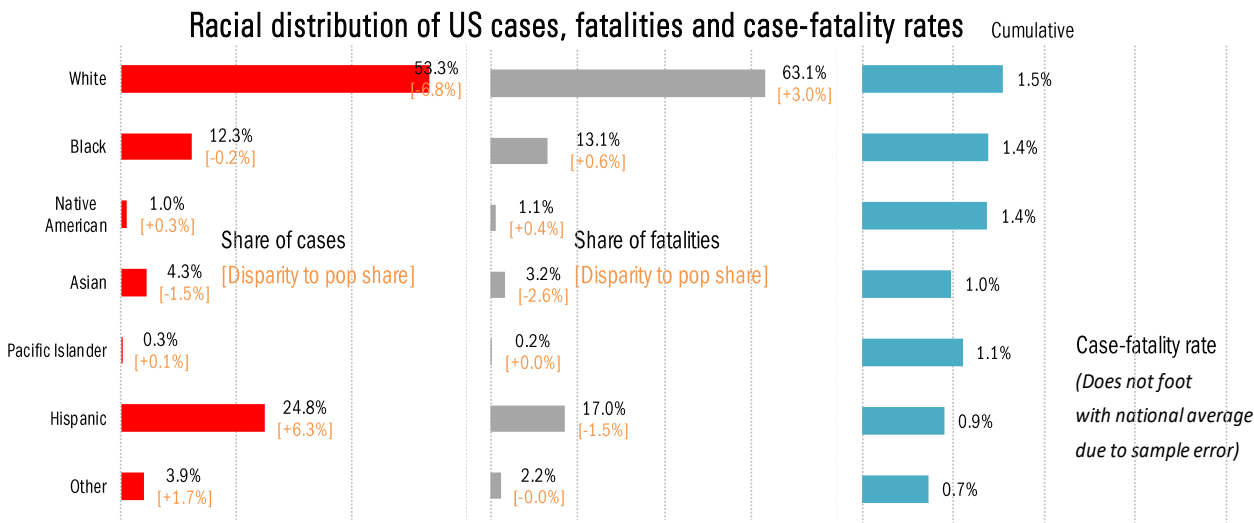
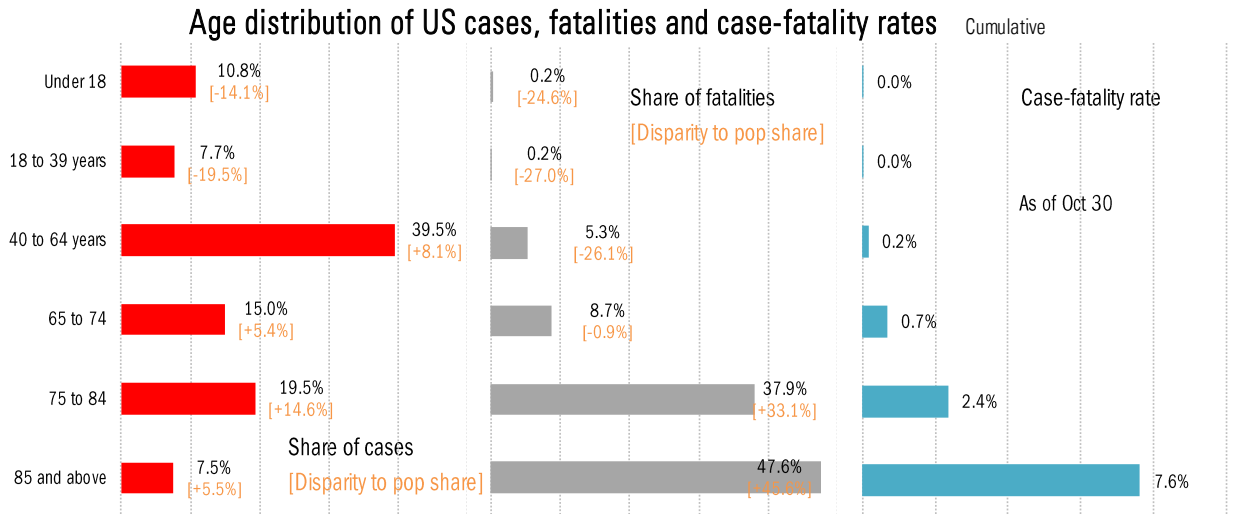


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

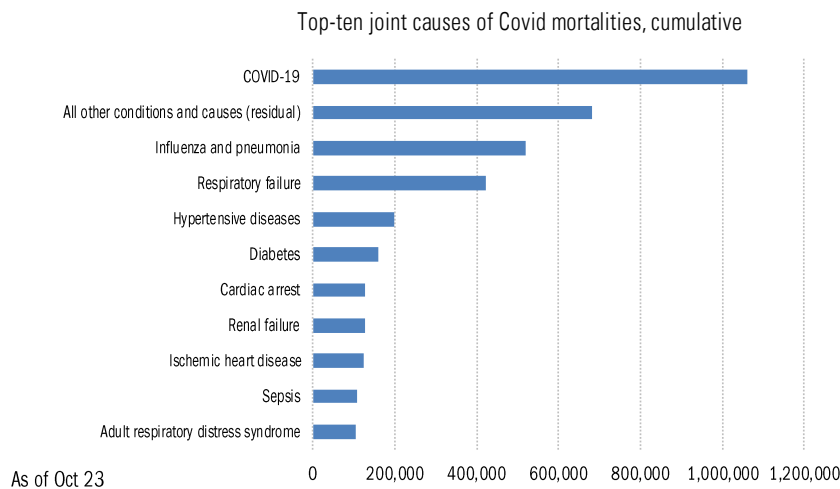
# US deep-dive



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

[Moderna stock slides 14% premarket after profit and revenue fall short of estimates and biotech offers soft guidance](#)

Ciara Linnane  
*MarketWatch*  
November 3, 2022

[RSV is surging. Here's what to watch for and answers about treatment options](#)

Vanessa Romo  
*NPR*  
November 2, 2022

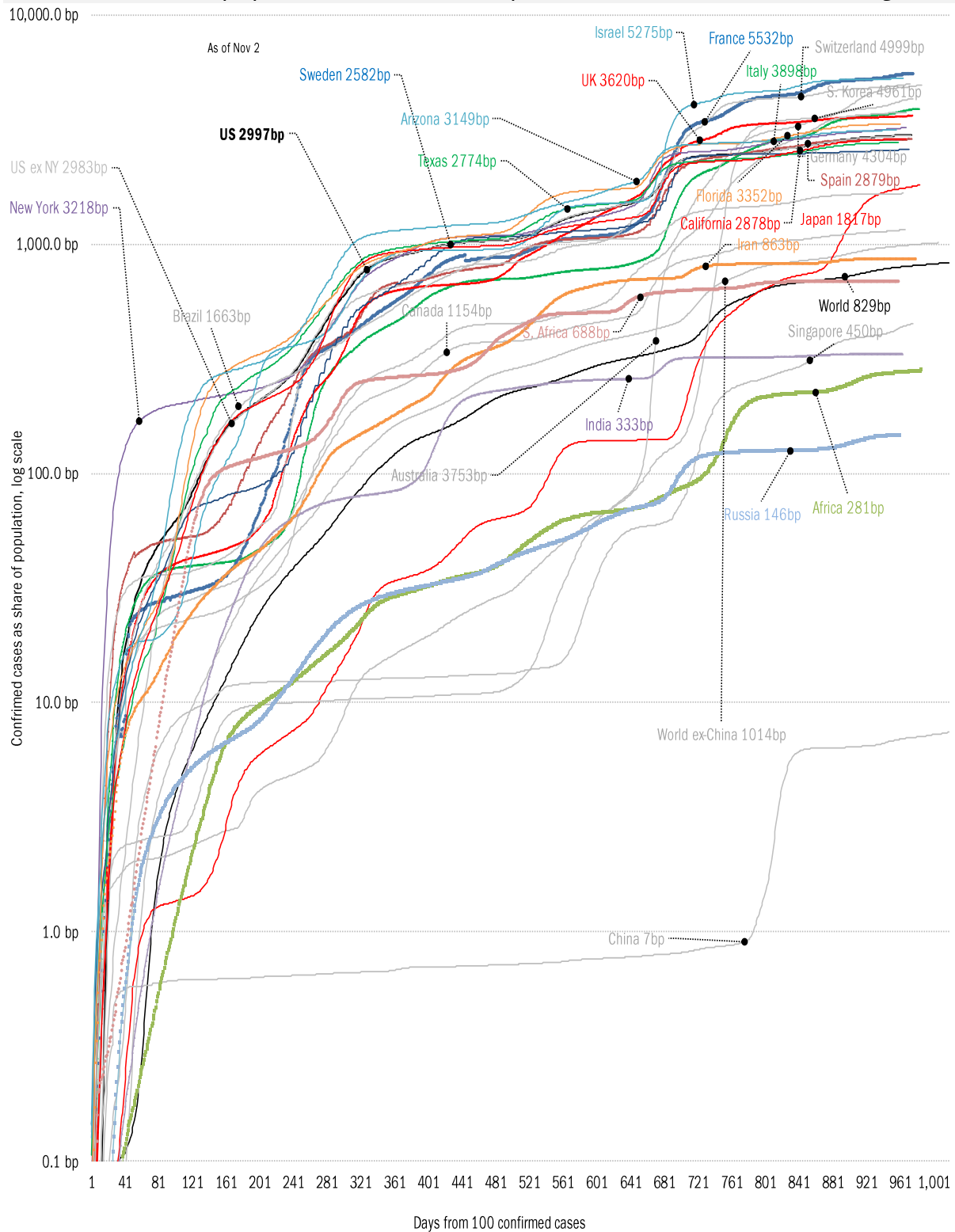
## Meme of the day



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

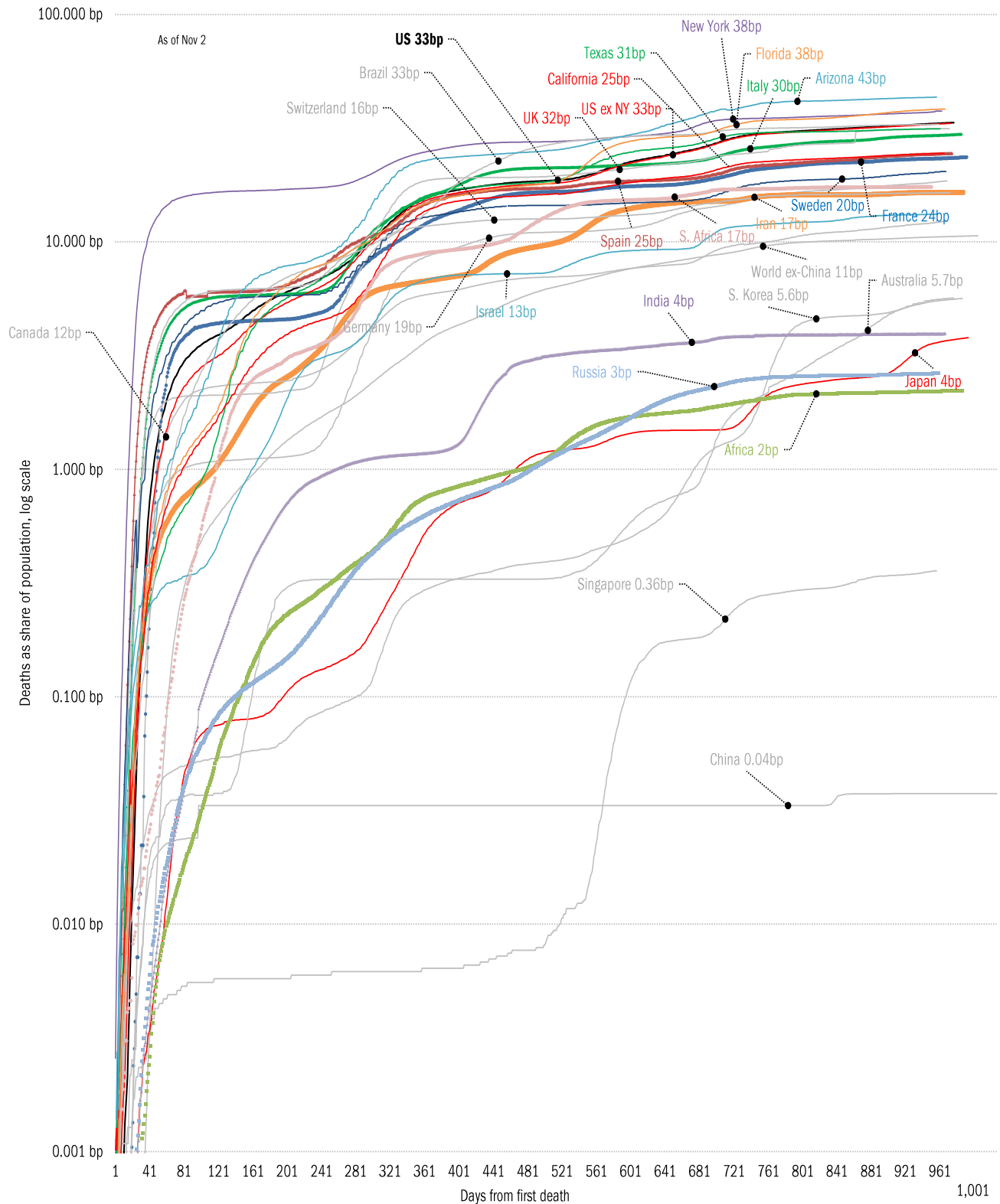


The global coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*

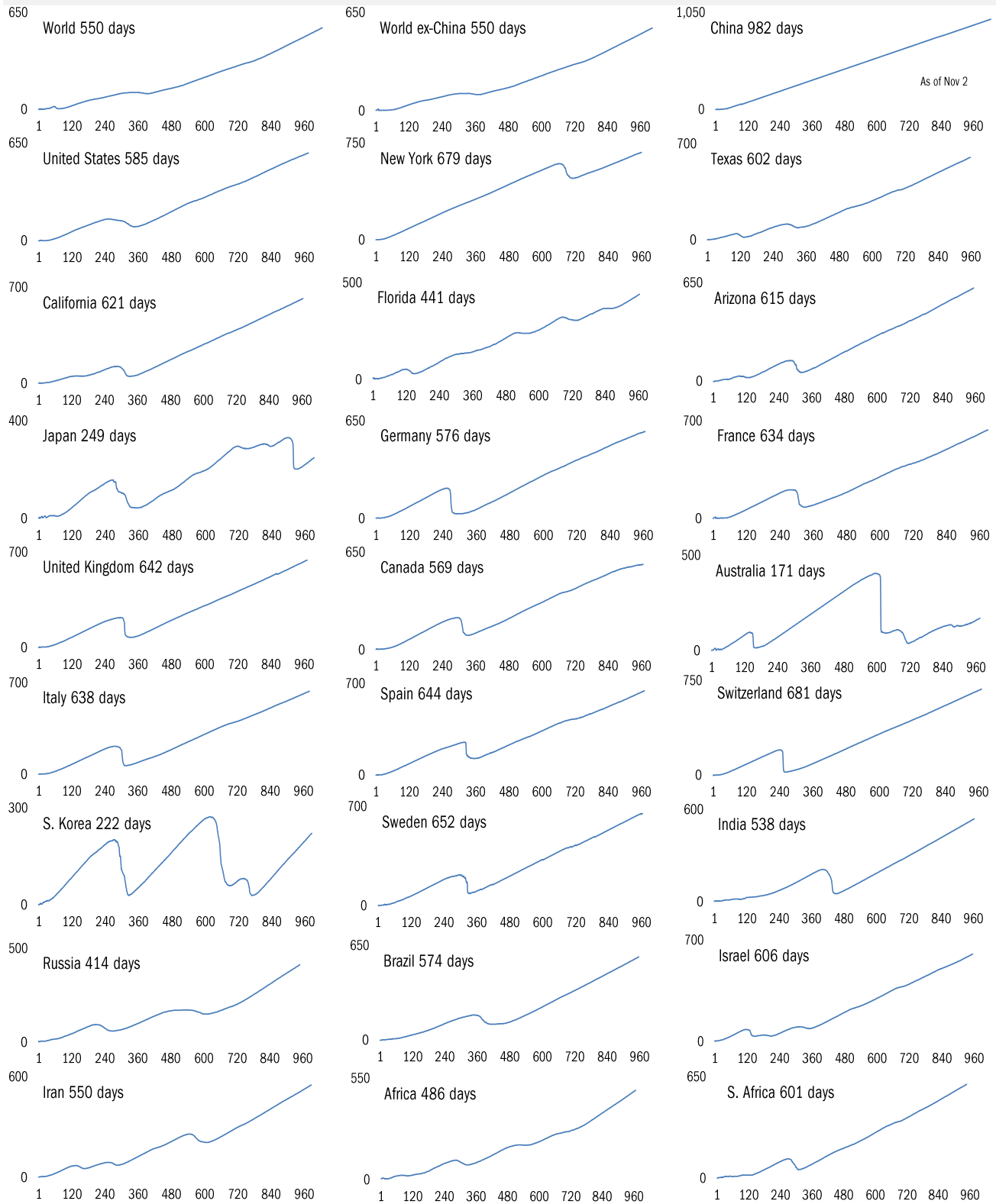


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

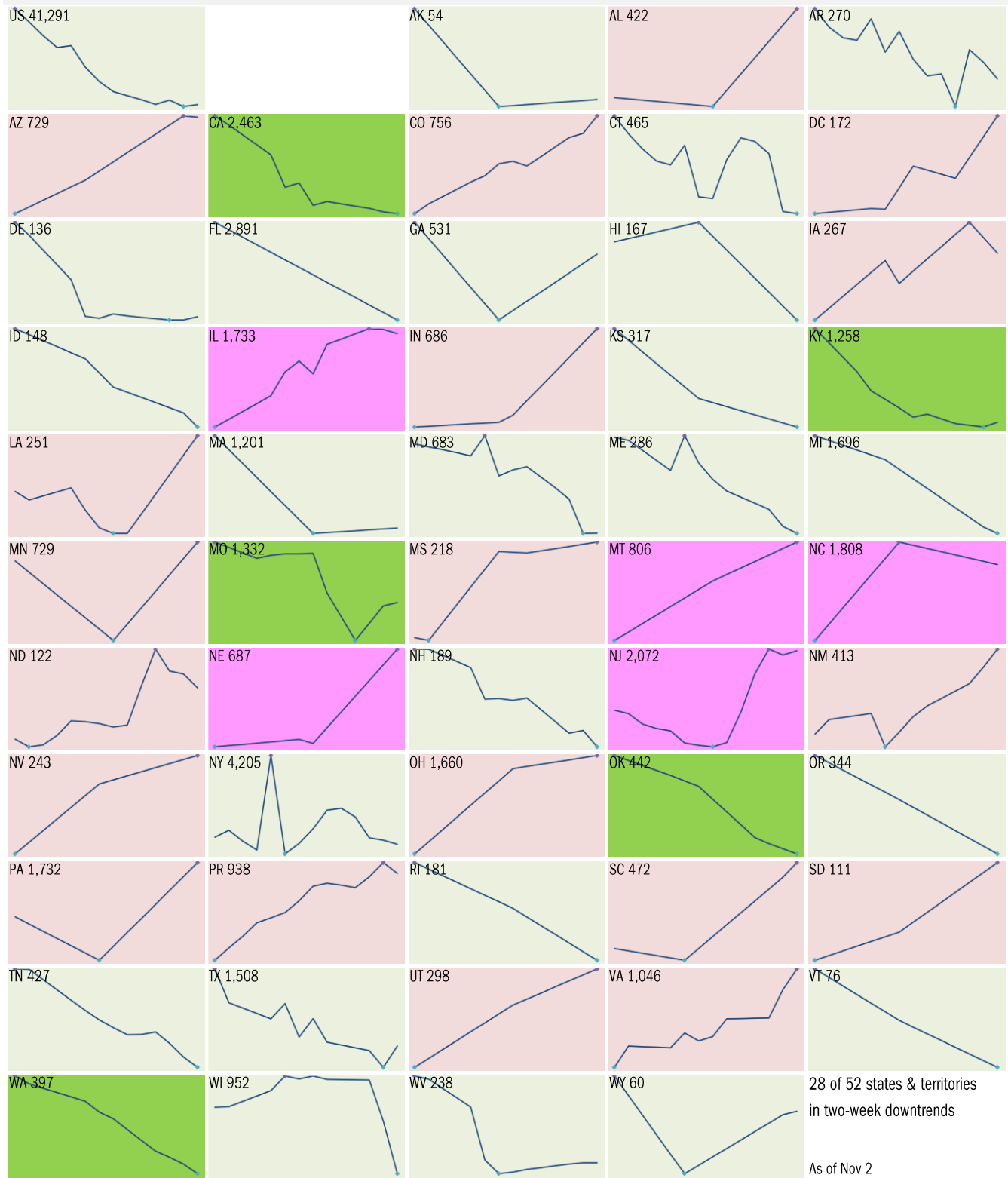


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

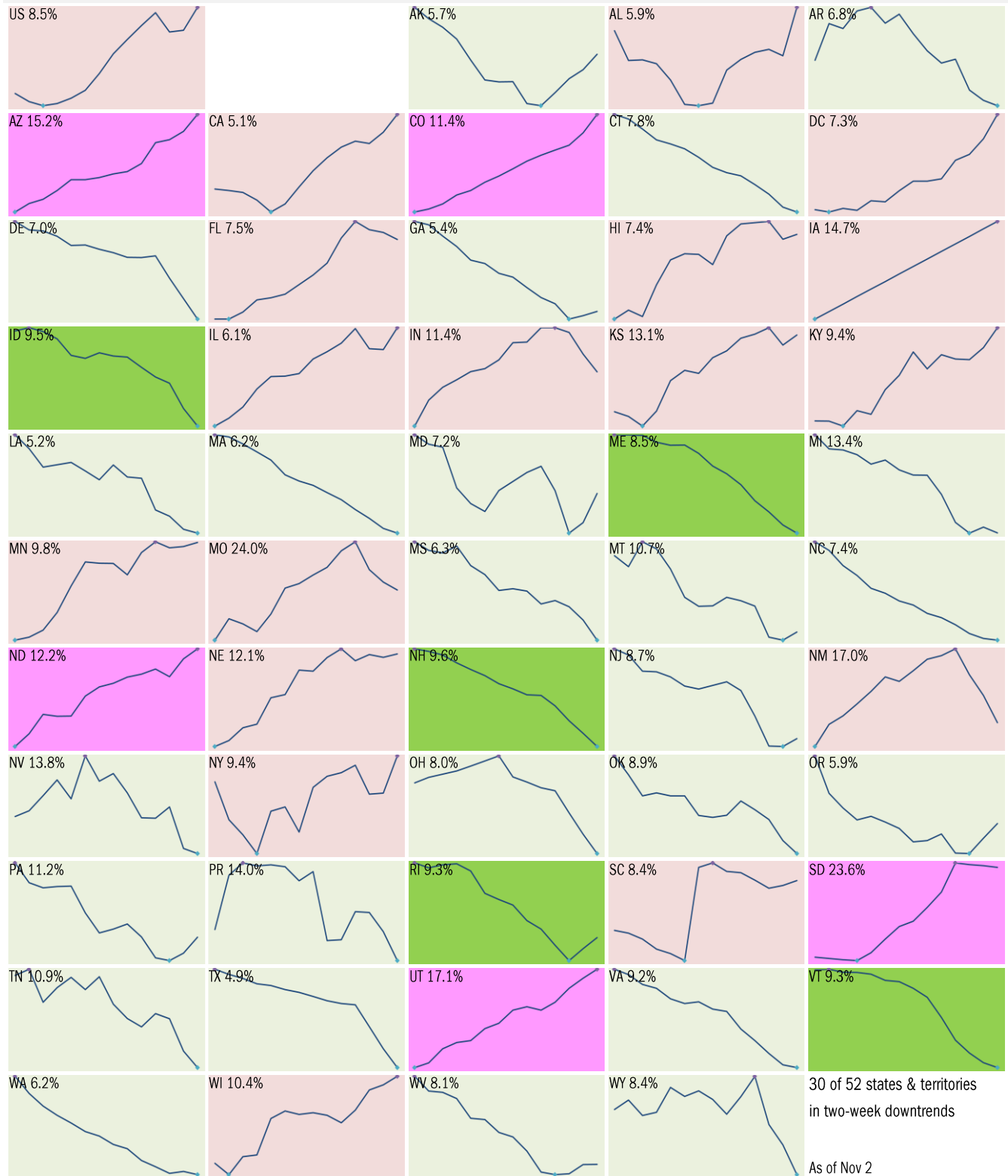


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

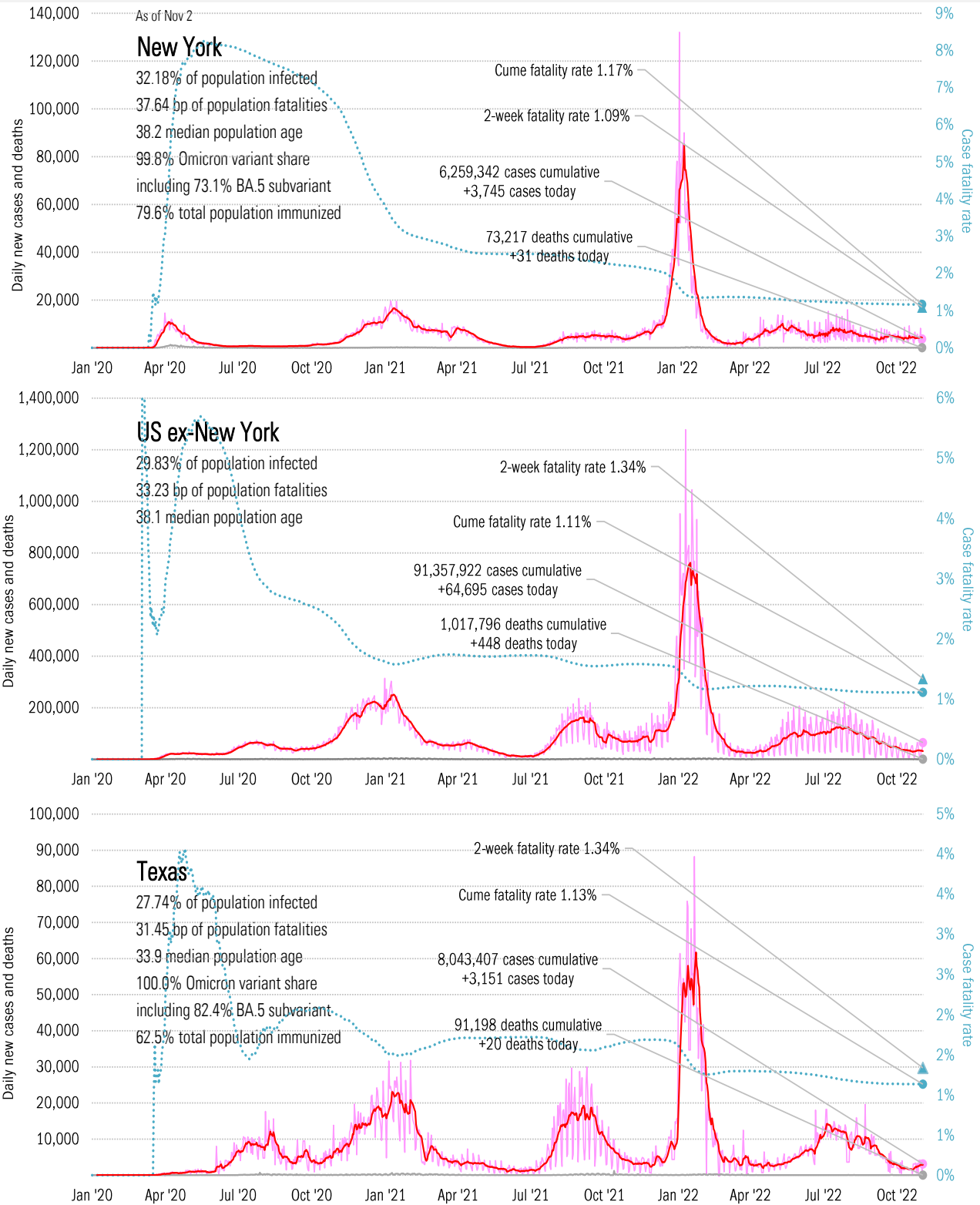
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

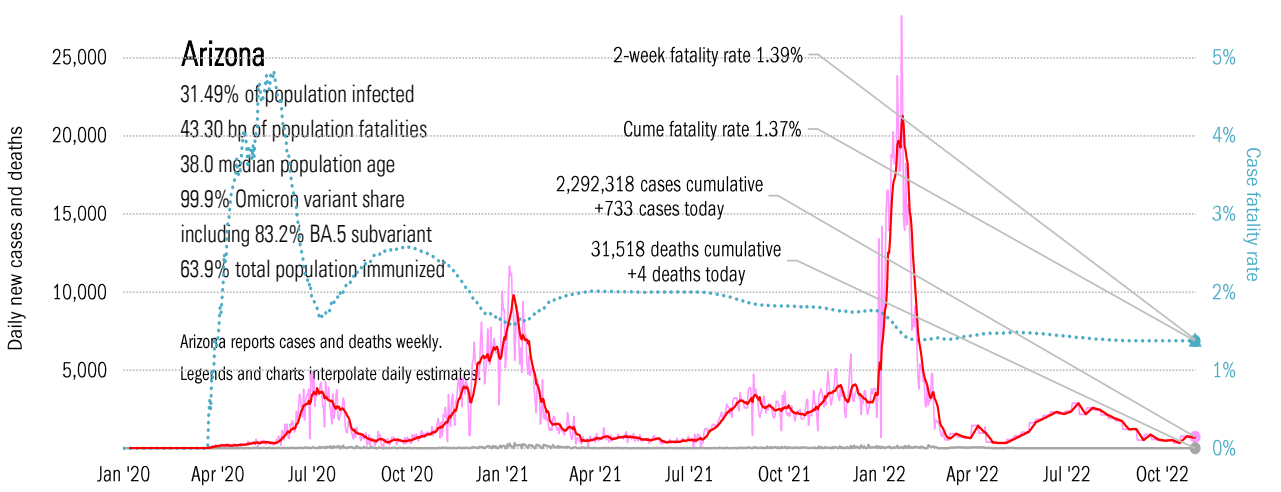
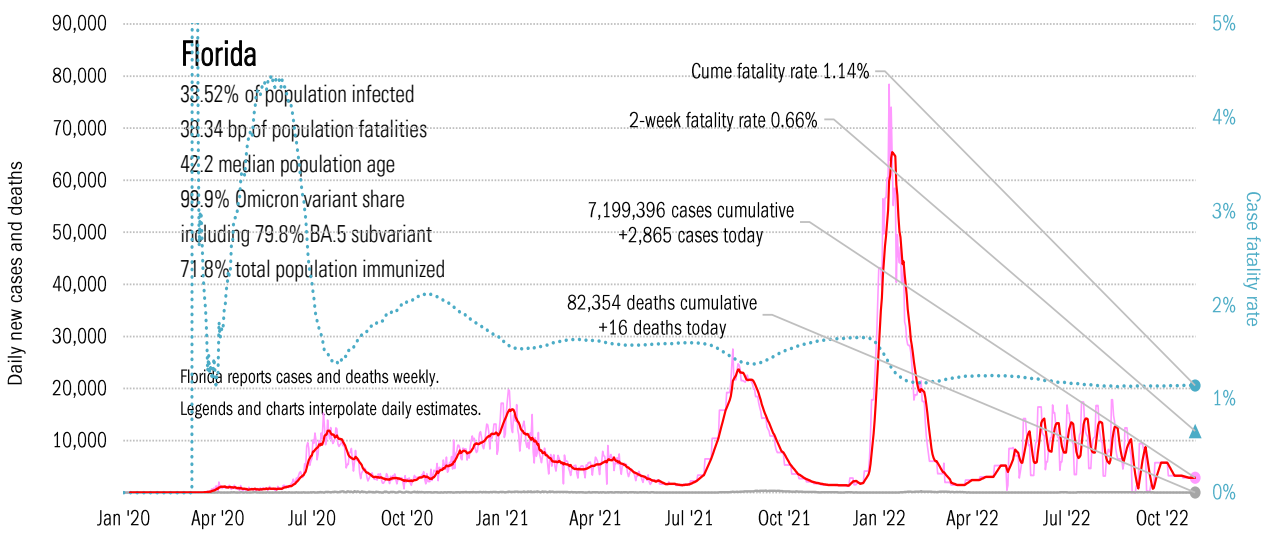
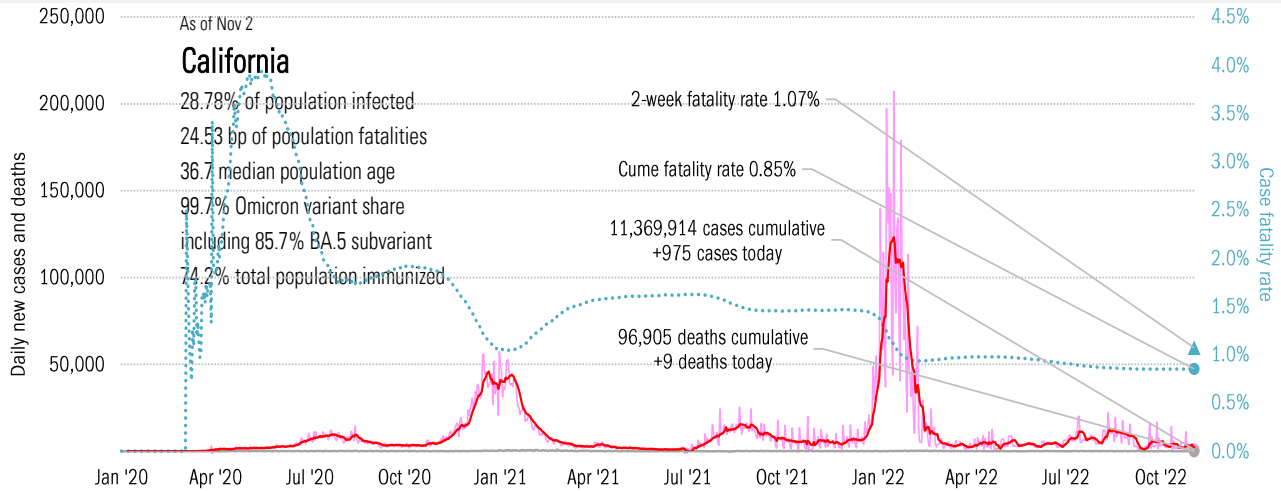
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

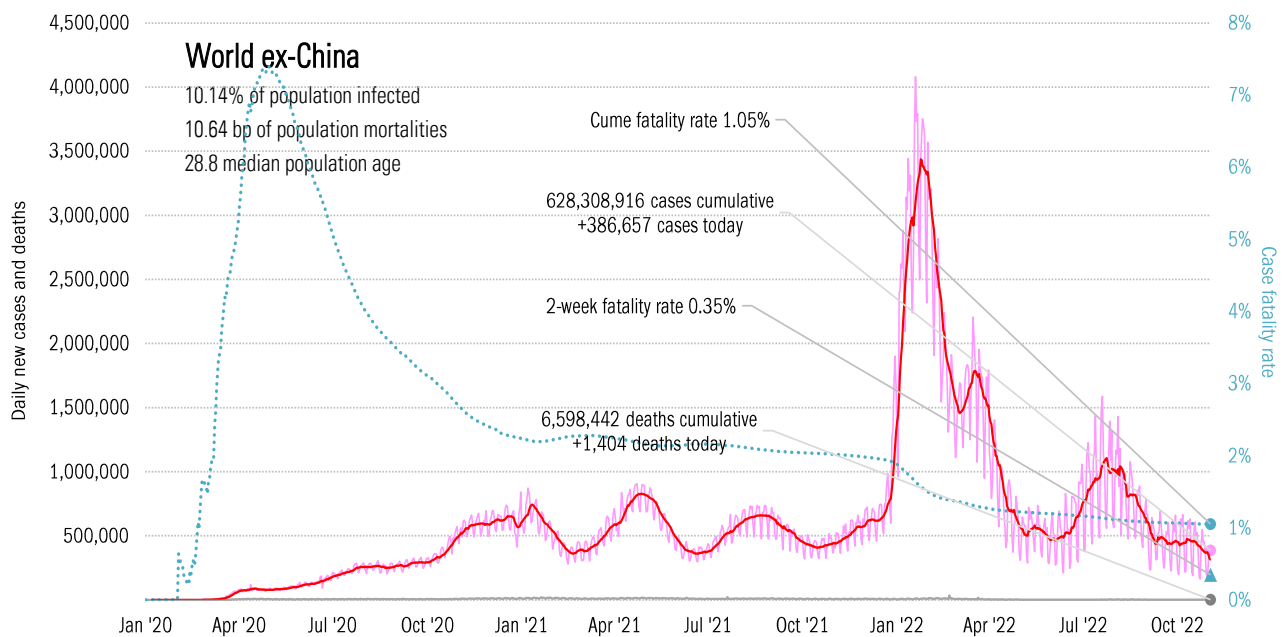
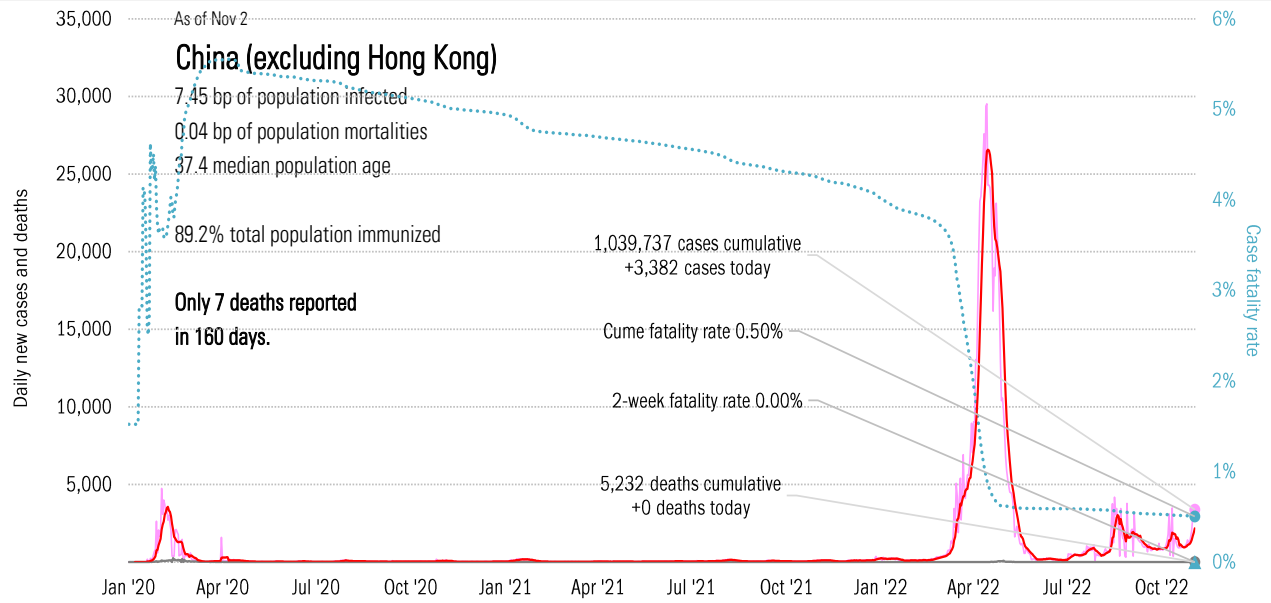
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

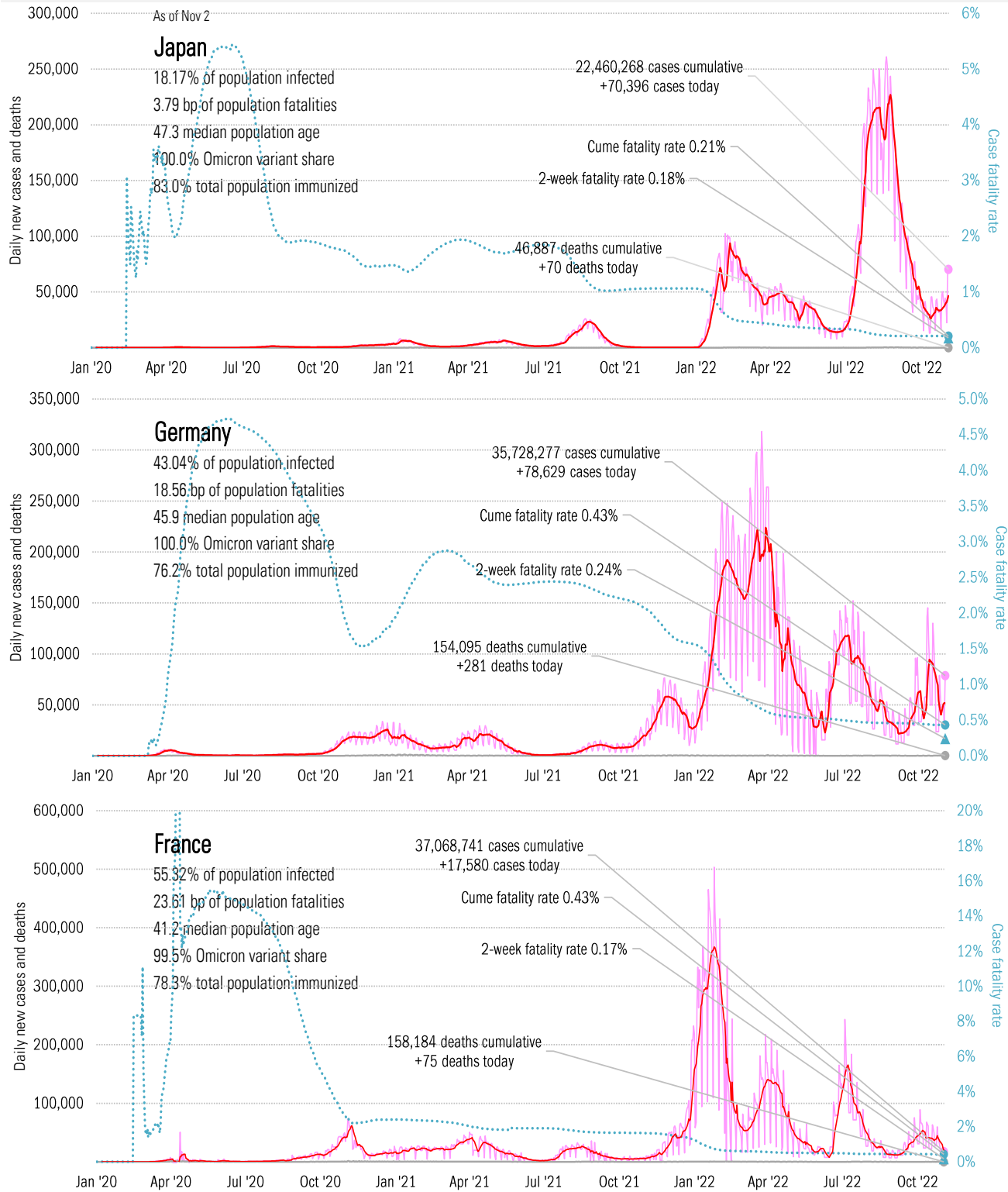


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

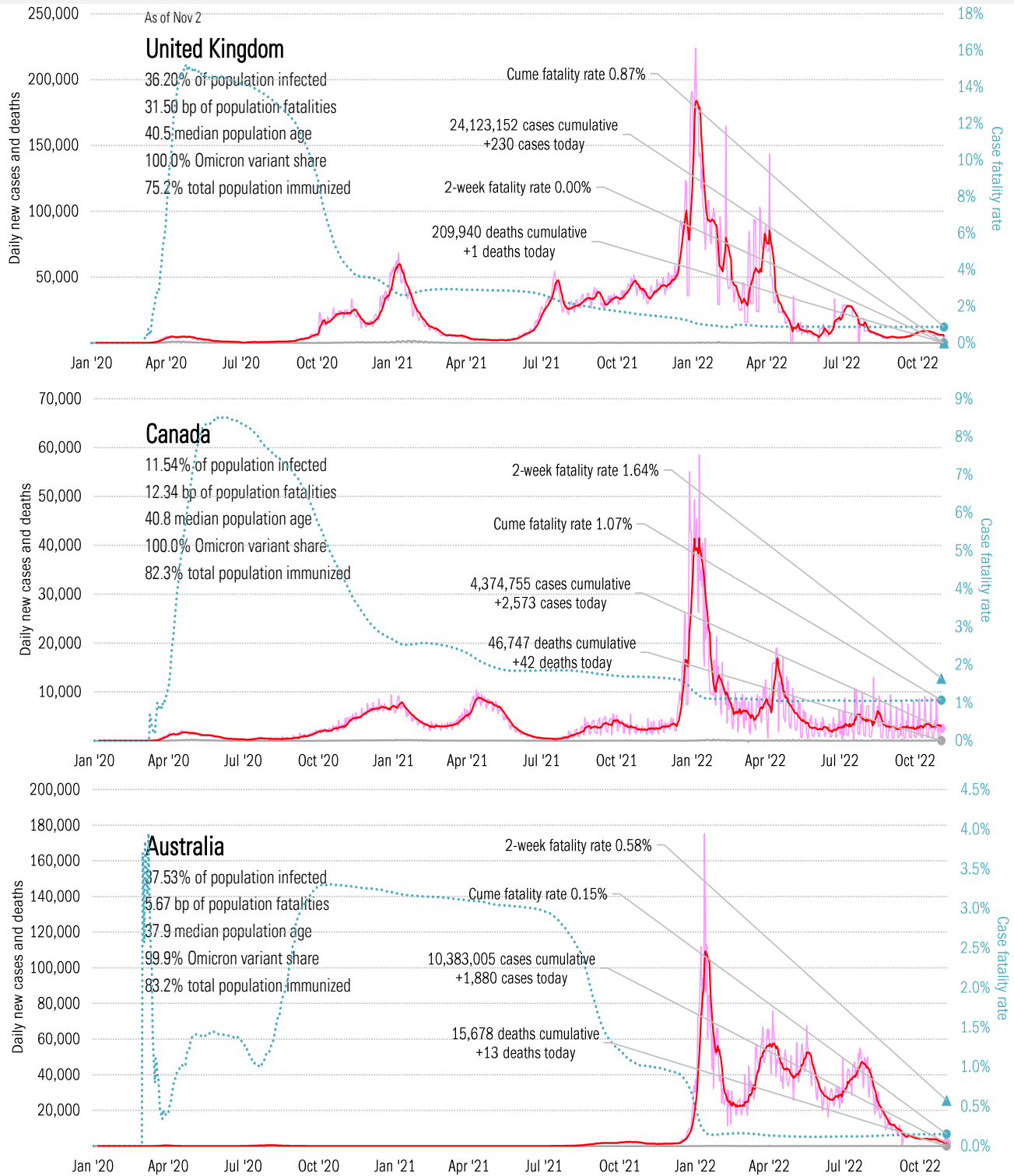
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

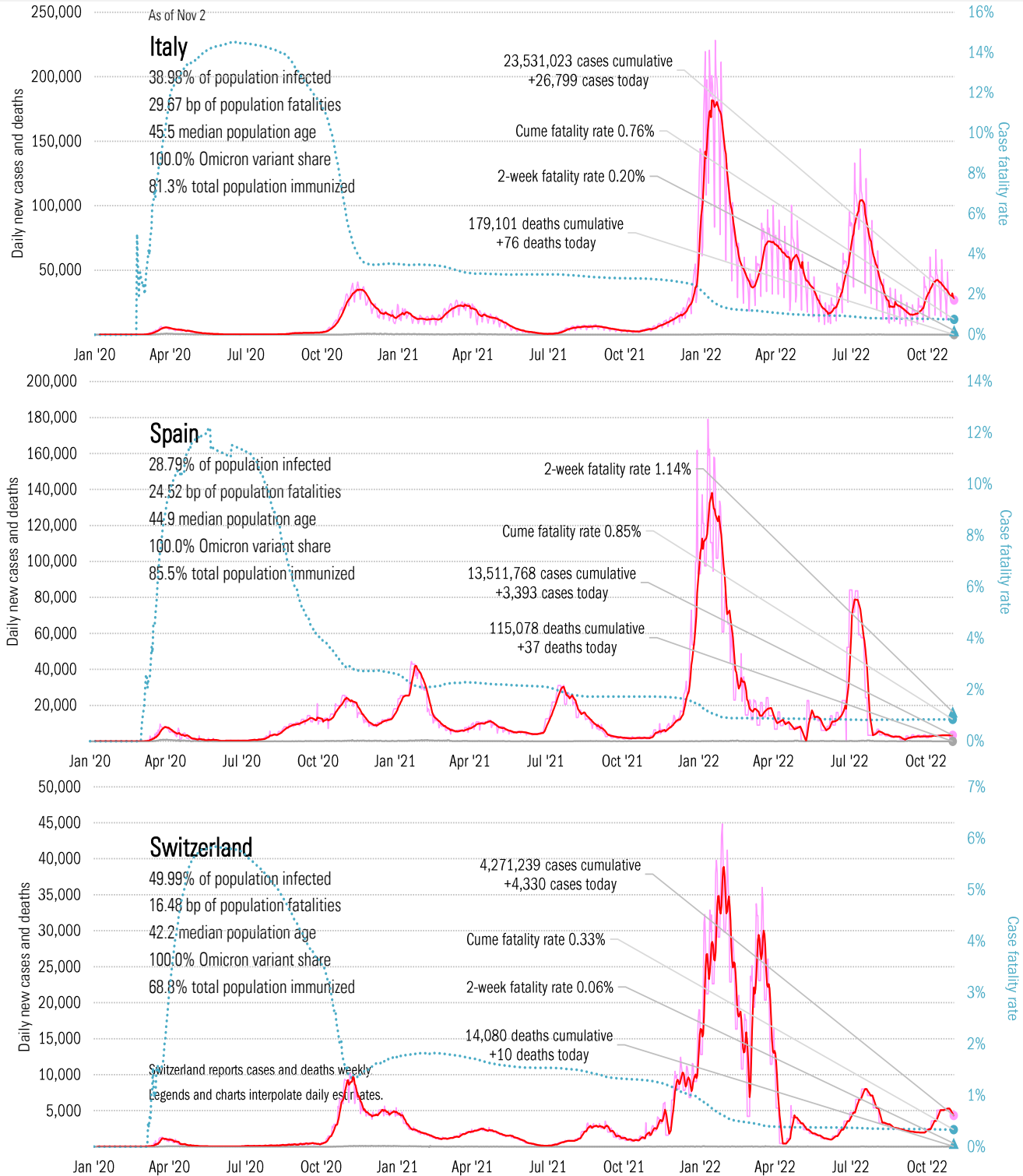
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

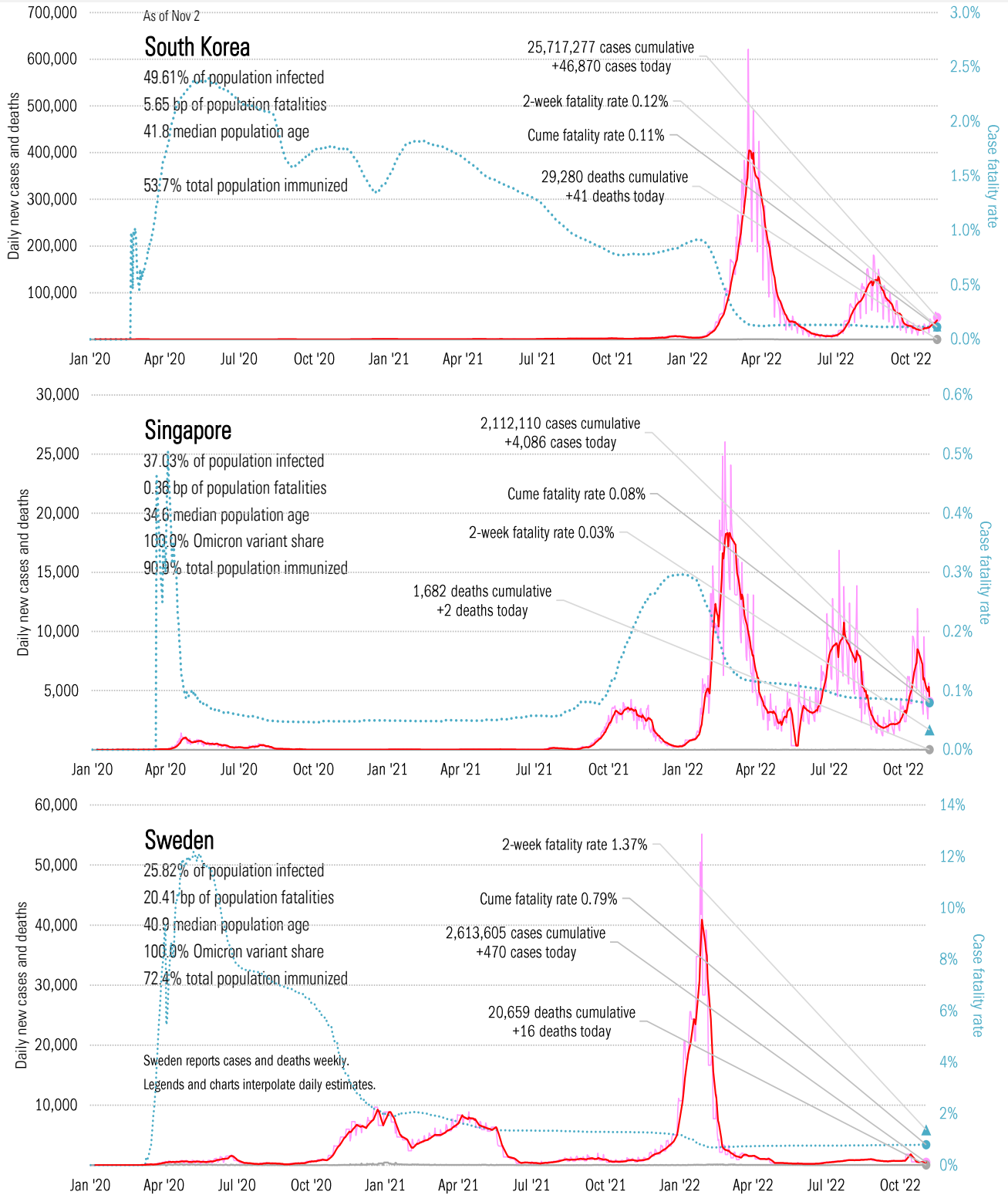
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

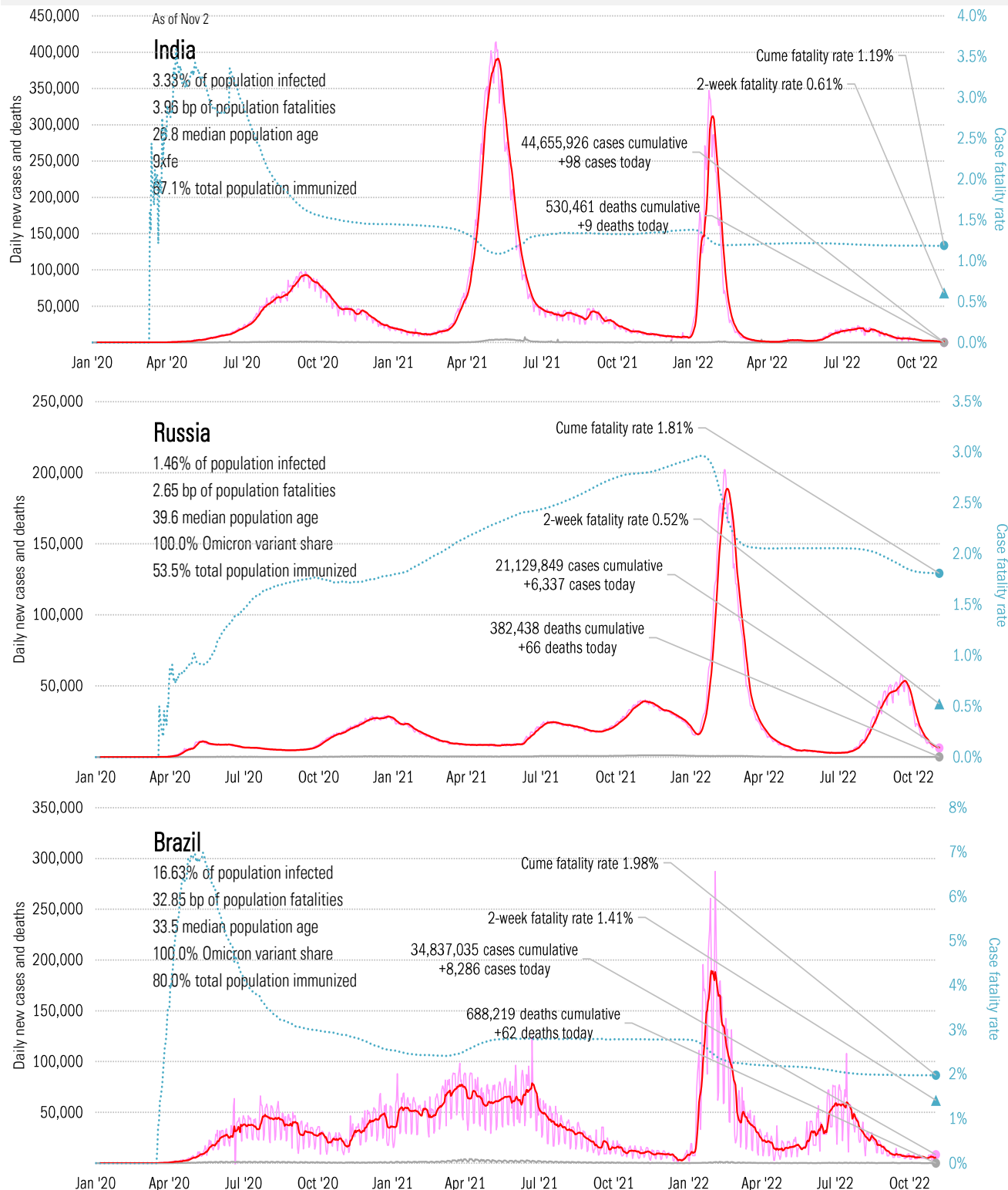
Cases: **7-day average** and **daily** Deaths: **Daily**



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

# Impact in the BRICs ex-China

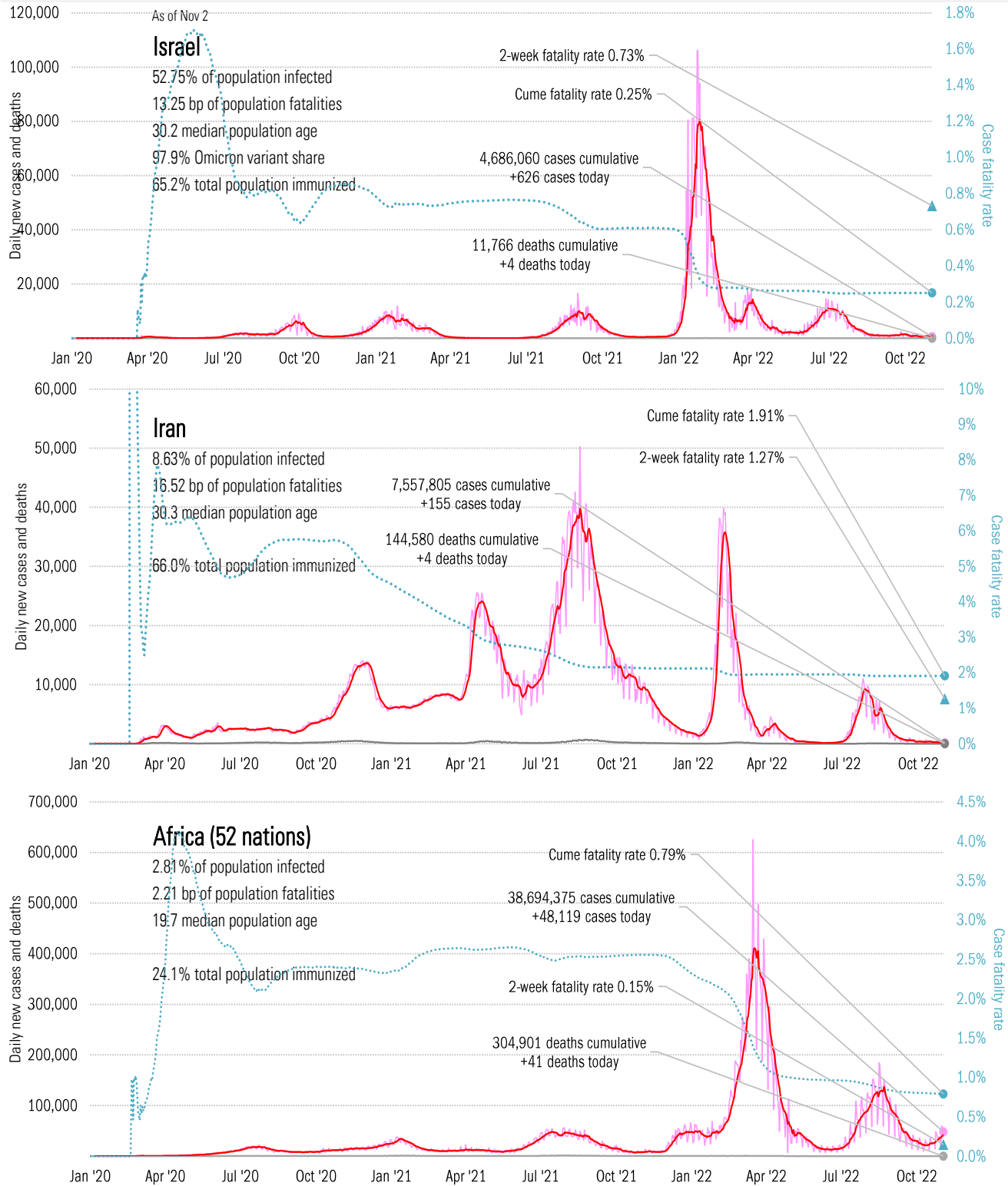
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

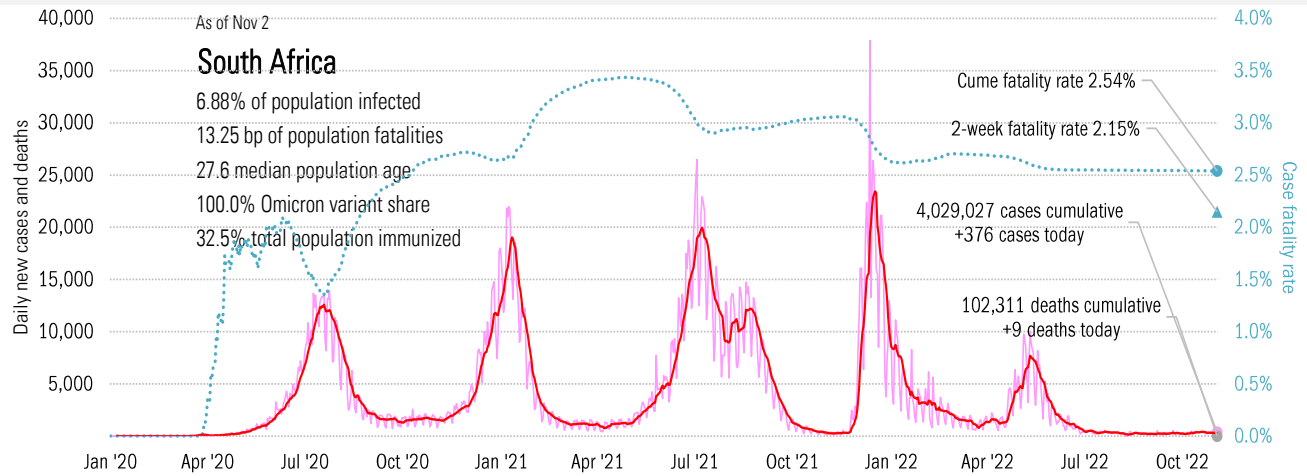
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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