

## Data Insights: Covid-2019 Monitor

Saturday, October 29, 2022

### The global scorecard

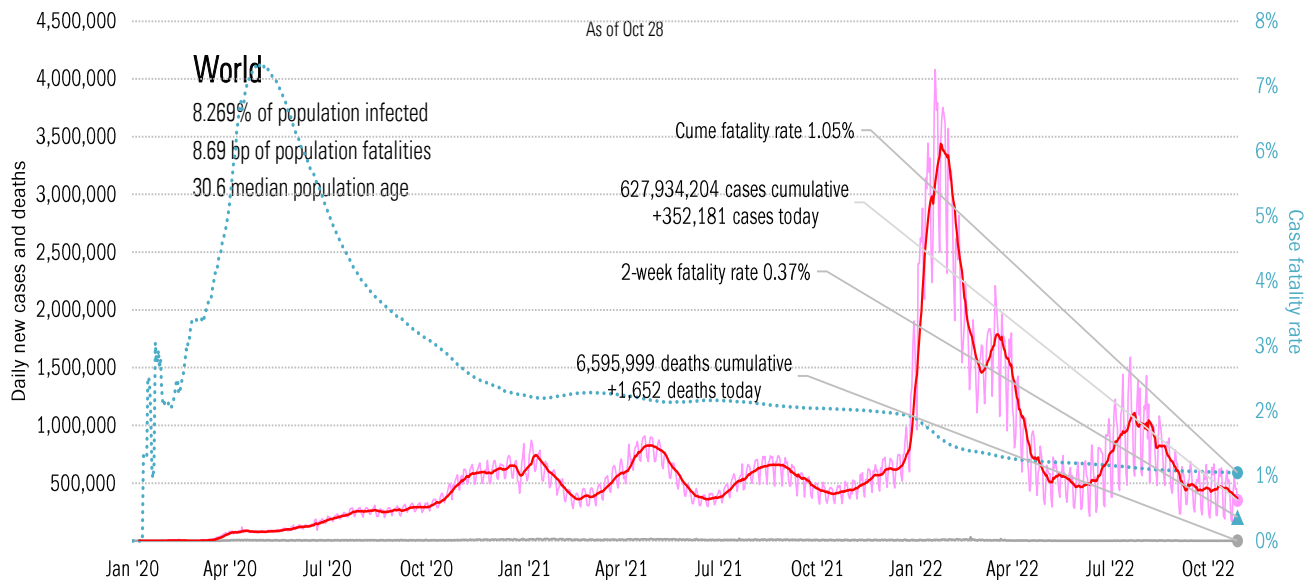
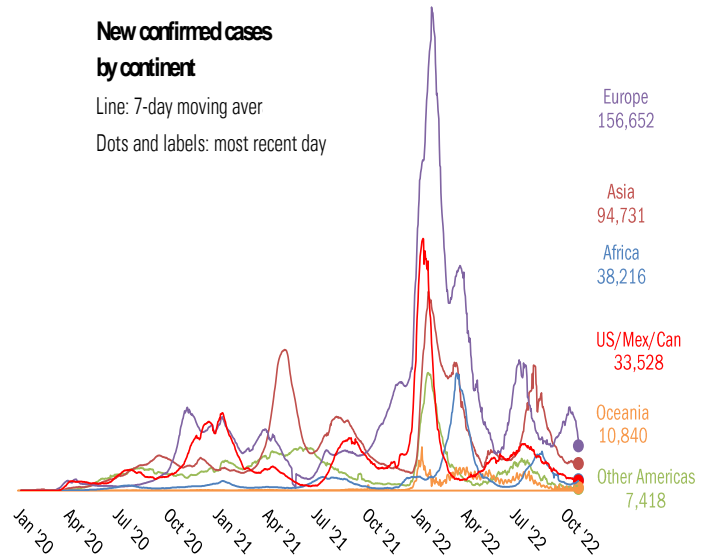
Cases: **7-day average** and **daily** Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Germany	47,718	United States	384
United States	44,838	Spain	220
Japan	39,254	Germany	167
Korea, South	37,296	Canada	94
Taiwan*	34,562	Italy	85
Italy	29,037	Russia	77
France	25,783	France	61
Spain	23,753	Taiwan*	57
Australia	10,840	South Africa	54
Russia	7,517	Japan	51
<b>300,598</b>		<b>1,250</b>	
World	352,181	World	1,652
Top ten	85%	Top ten	76%

#### 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

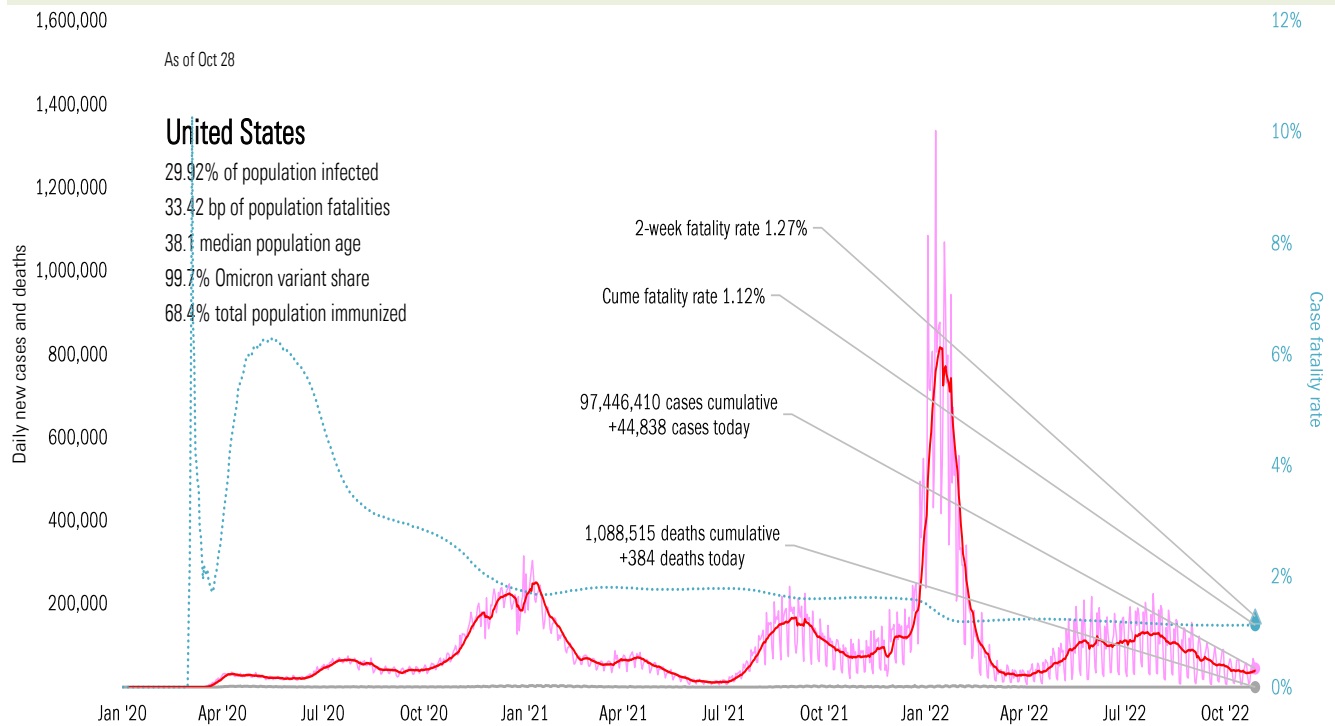
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
NY	4,251		WI	26		GA	116		CA	11,363,979		CA	96,892		TX	560,434		RI	93%	MA	87%
IL	3,446		MI	23		PA	213		TX	8,036,156		TX	91,162		CA	507,096		MA	89%	NH	86%
KY	2,891		TX	22		TX	169		FL	7,199,396		FL	82,354		FL	498,508		GA	88%	AK	86%
FL	2,865		WA	22		OH	203		NY	6,239,294		NY	73,182		NY	309,544		MN	87%	AL	85%
NC	2,369		VA	18		SC	43		IL	3,809,678		PA	47,705		GA	227,775		MO	86%	TX	84%
NJ	2,213		PA	18		FL	177		PA	3,304,816		GA	40,626		CH	222,526		WA	85%	NE	84%
TX	2,064		FL	16		IL	182		NC	3,237,440		CH	40,178		PA	208,671		MD	85%	RI	84%
CA	1,948		MA	14		KS	41		CH	3,185,038		IL	39,982		IL	190,689		WV	85%	VT	83%
MI	1,738		IL	14		NC	89		GA	2,920,663		MI	39,250		MI	166,396		DE	83%	GA	83%
PA	1,683		AR	13		MI	157		MI	2,886,176		NJ	34,896		KY	146,339		MI	83%	DC	83%
25,468			185			1,390			52,182,636			586,227			3,027,978						
All states 44,838			384			3,560			All states 97,446,410			1,088,515			5,496,696			All states 70%		67%	
Top ten 57%			48%			39%			Top ten 54%			55%			55%			Median 78%		75%	

Some states not reporting

## Five most improved US states

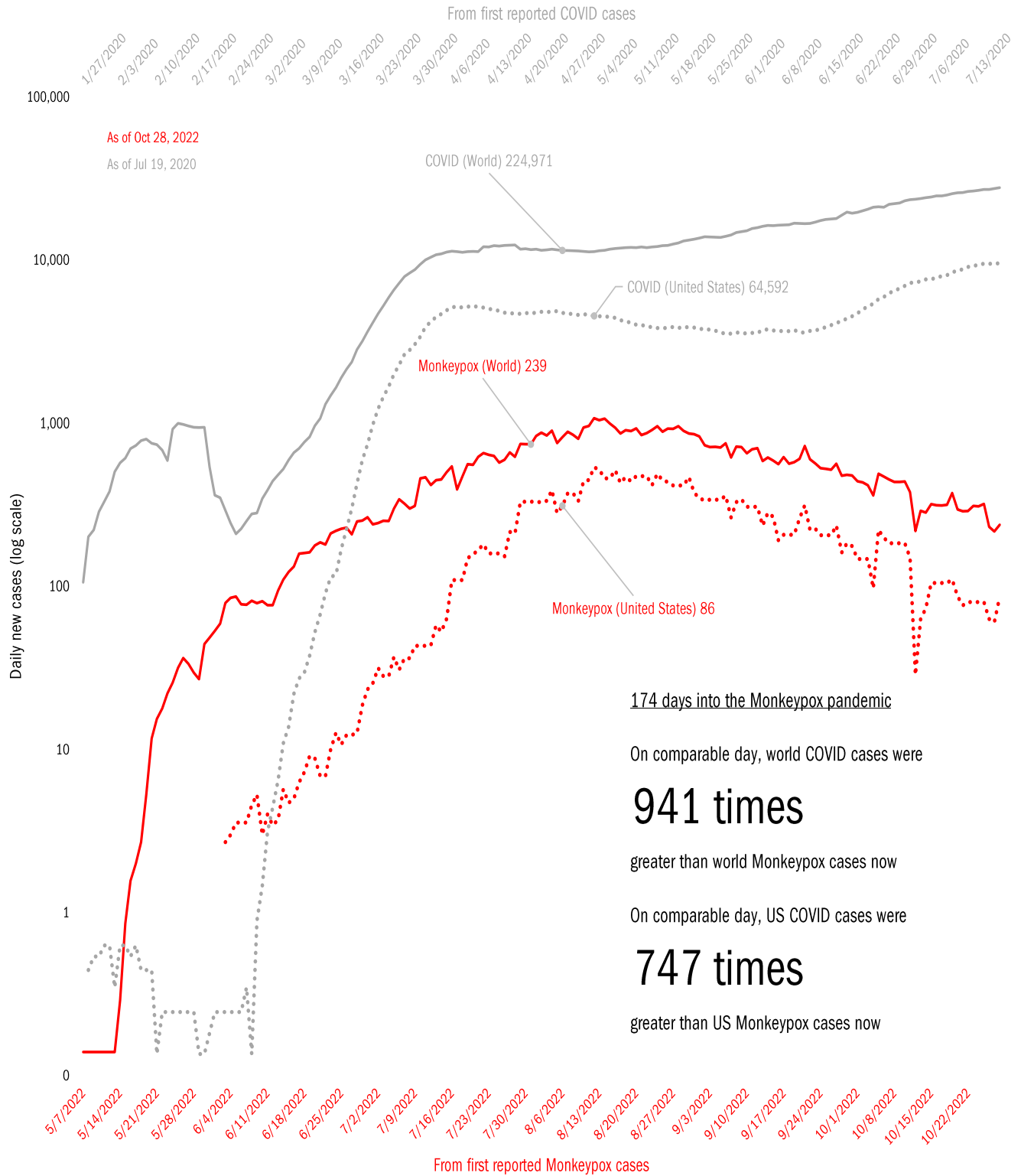
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CA	-1,975	CA	-132	CO	-30
NY	-1,534	NY	-20	IN	-24
ND	-1,054	CT	-13	MN	-24
MT	-194	WV	-10	NJ	-23
WI	-150	IL	-7	AZ	-21



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

# The Monkeypox contextualizer

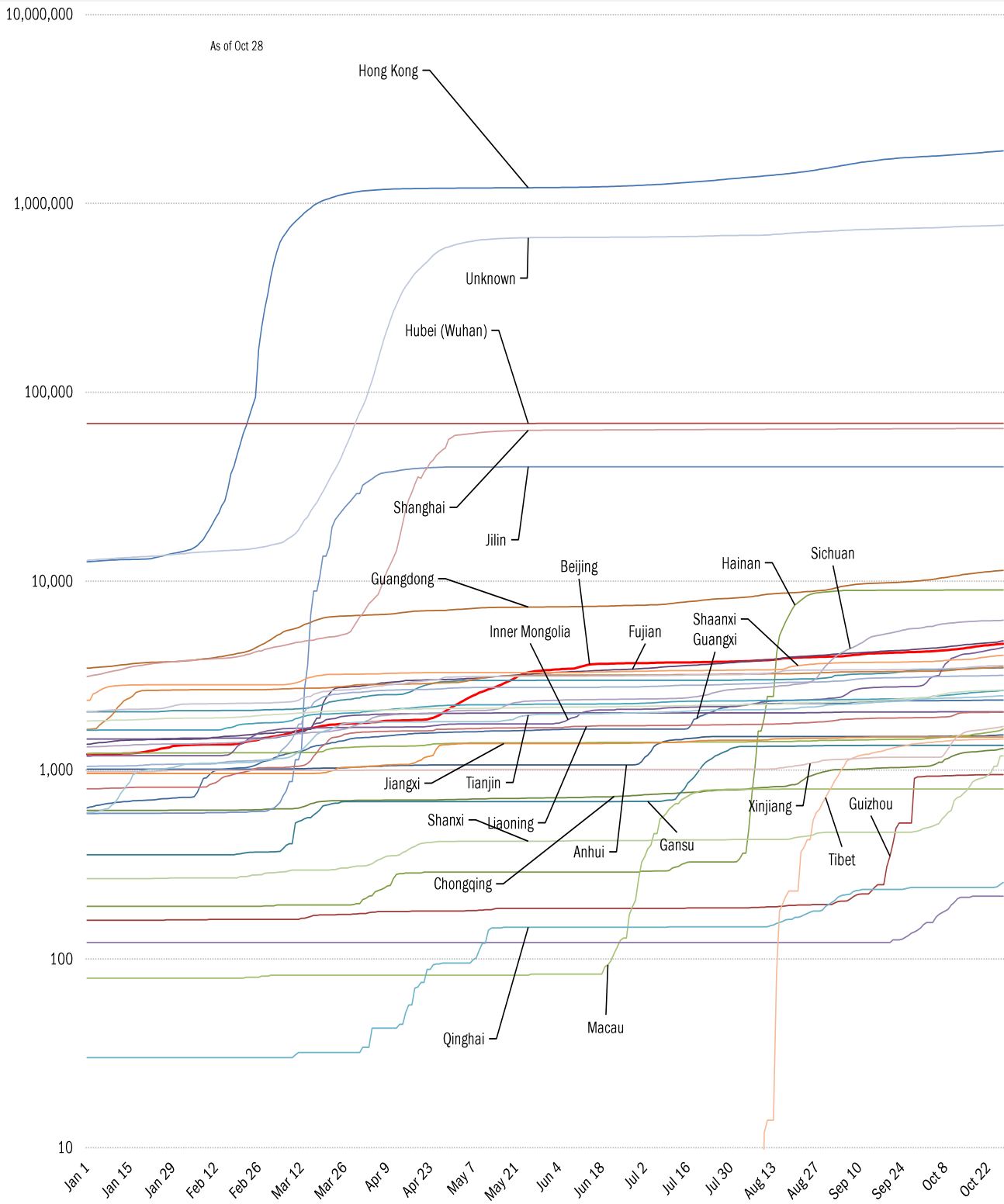
## The course of case growth versus COVID



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"*

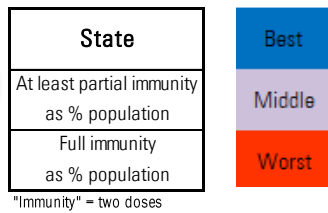
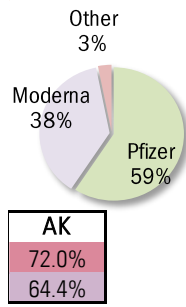


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

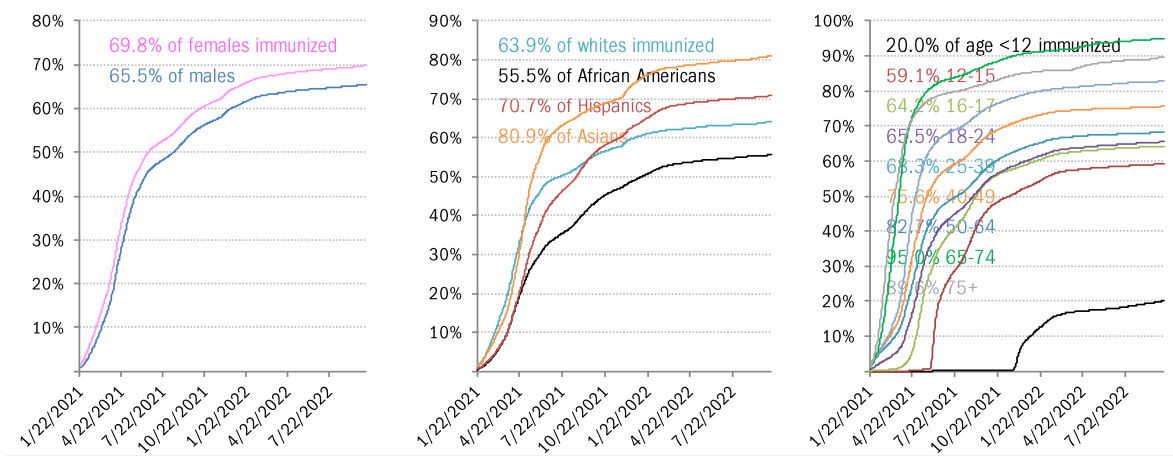
Administered	Cumulative		Today	Immunity	Full	Partial
Doses	648,750,535		+0.738 million	US	68.3%	80.0%
of which boosters	113,645,892		+0.078 million	UK	75.5%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	273,846,111	82%	233,314,181	70%	+0.058 million	France 78.7% 81.0%
Age 12 to 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

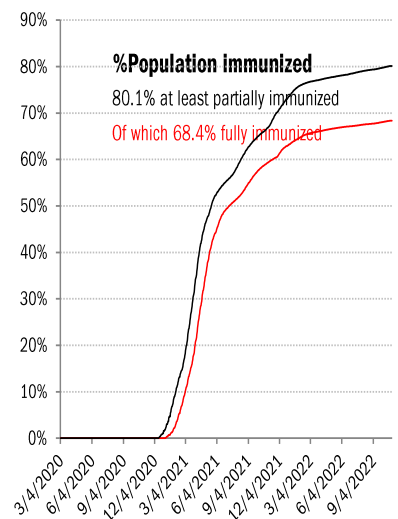
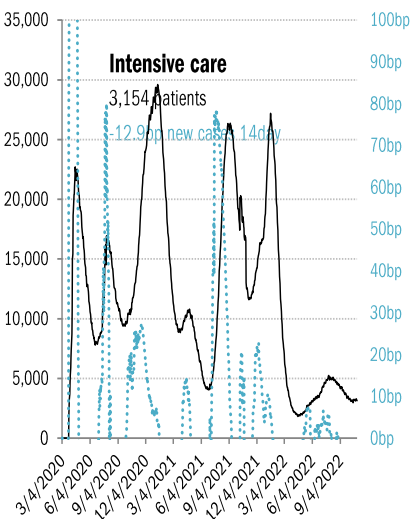
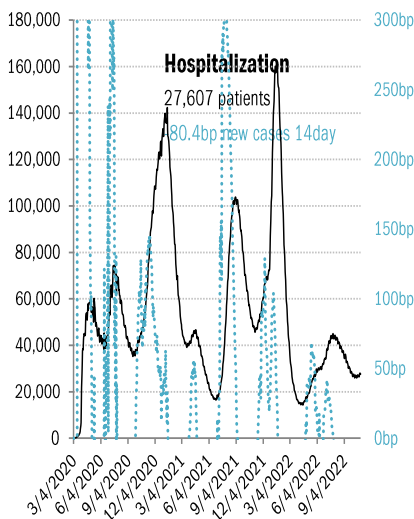
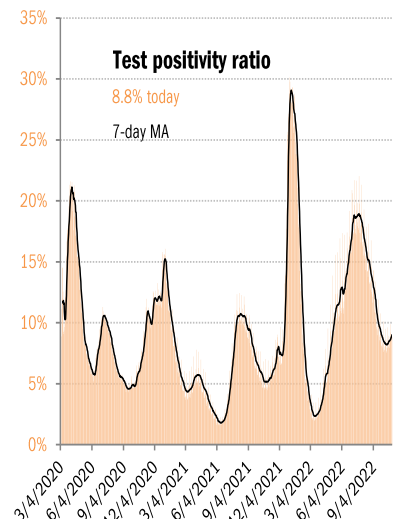
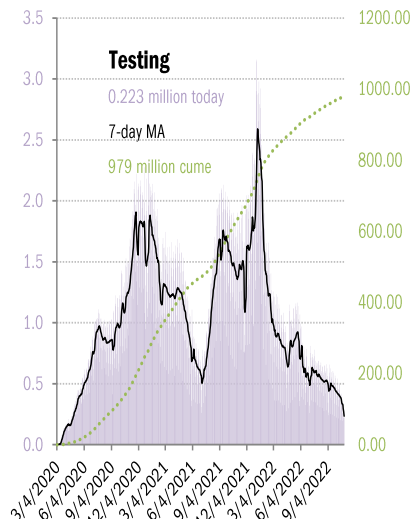
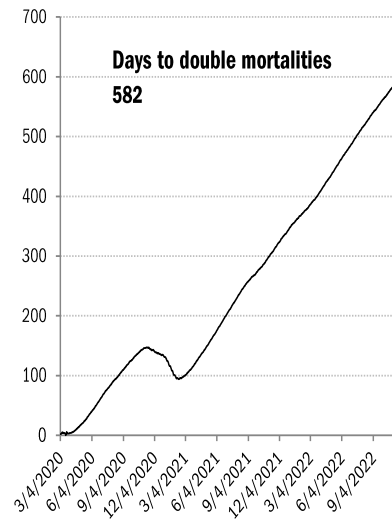
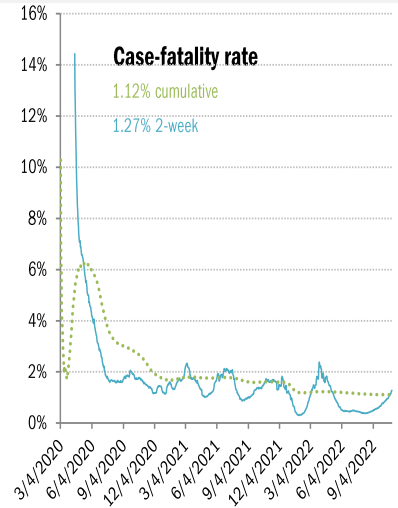
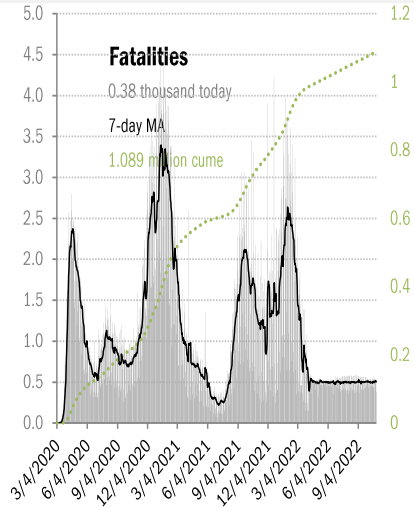
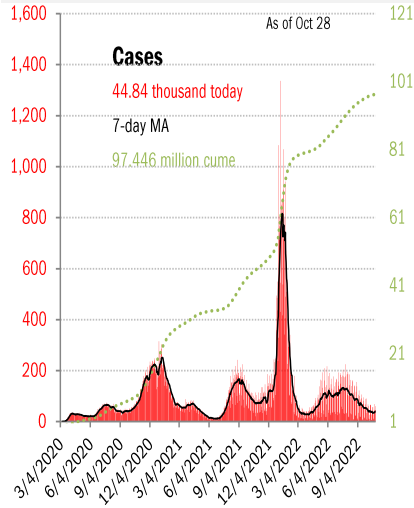
State	Best	Middle	Worst
AK	72.0%	64.4%	
WI	73.9%	67.3%	
ME	94.6%	82.1%	
NY	92.9%	79.4%	
VT	95.0%	83.9%	
NH	84.8%	69.7%	
OR	80.2%	71.3%	
NV	77.6%	62.6%	
WY	59.8%	52.3%	
SD	81.0%	64.6%	
IA	69.7%	63.5%	
IN	63.6%	57.2%	
OH	64.9%	59.7%	
PA	88.5%	71.5%	
NJ	93.2%	77.9%	
MA	95.0%	82.2%	
CA	85.2%	74.2%	
UT	74.3%	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

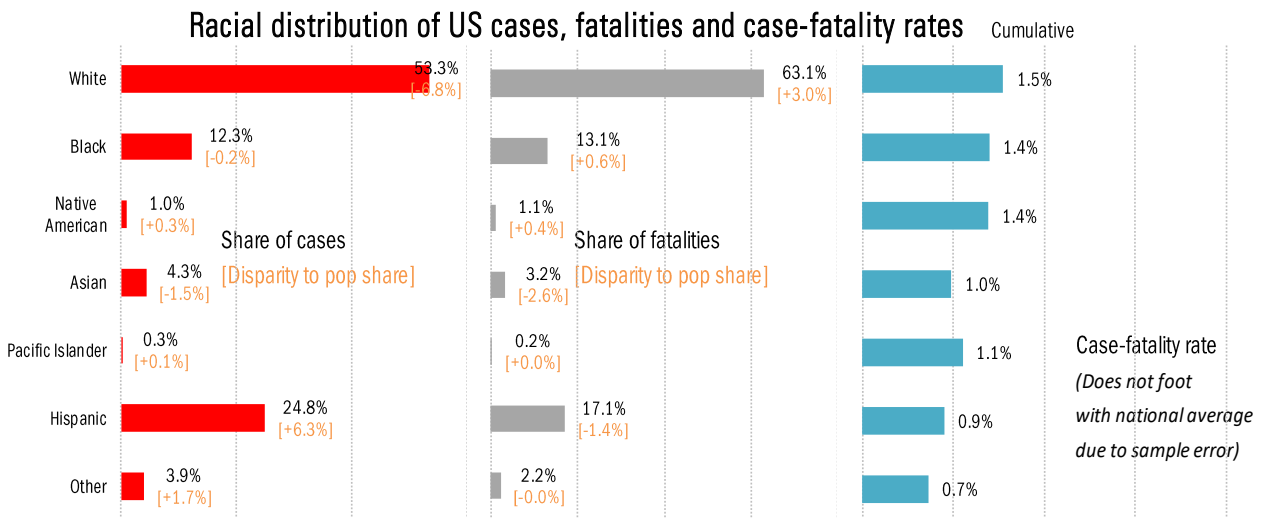
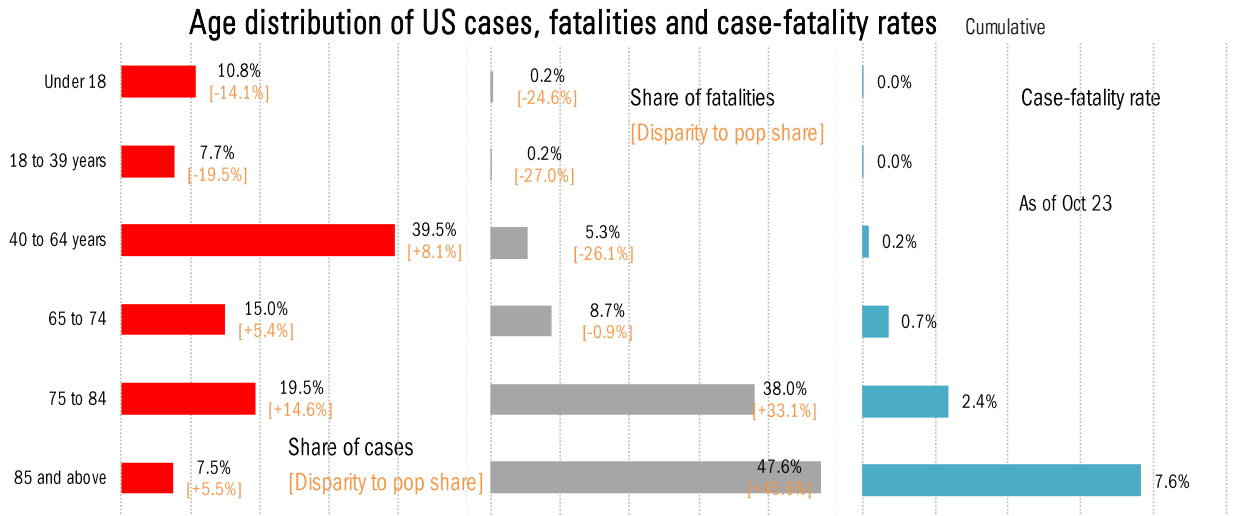


Source: CDC, CDC, Our World in Data, TrendMacro calculations

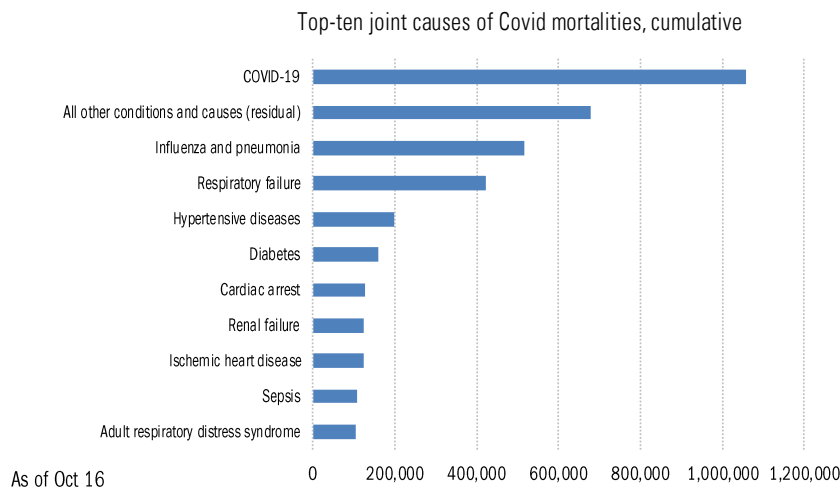
# US deep-dive



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

['Flu-Like Illnesses' Force North Texas School to Cancel Classes](#)

Maria Guerrero and Allie Spillyards  
*NBC DFW*  
October 28, 2022

[With hospitalizations ticking up, flu season appears off to an early start](#)

Helen Branswell  
*Stat News*  
October 28, 2022

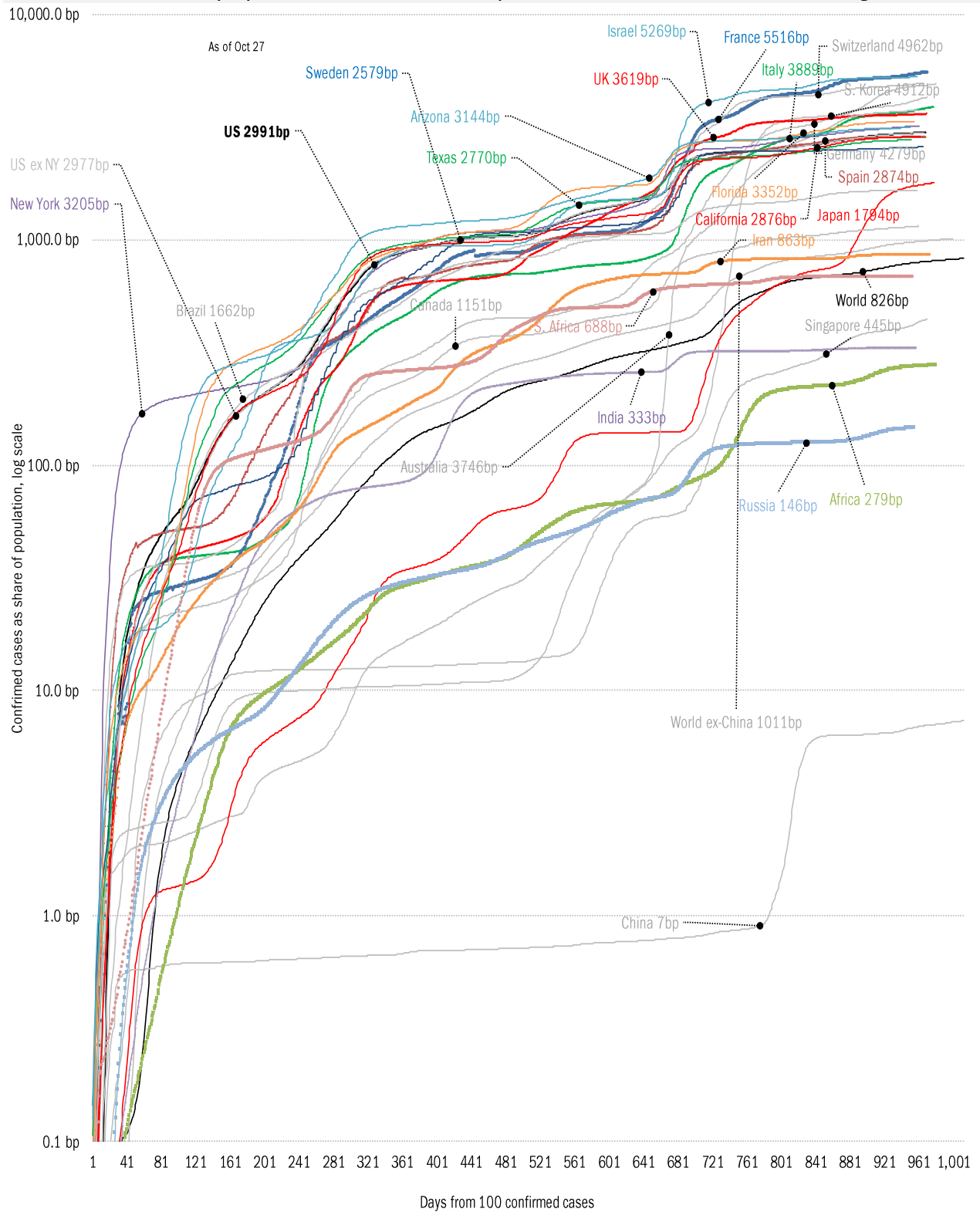
## Meme of the day



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

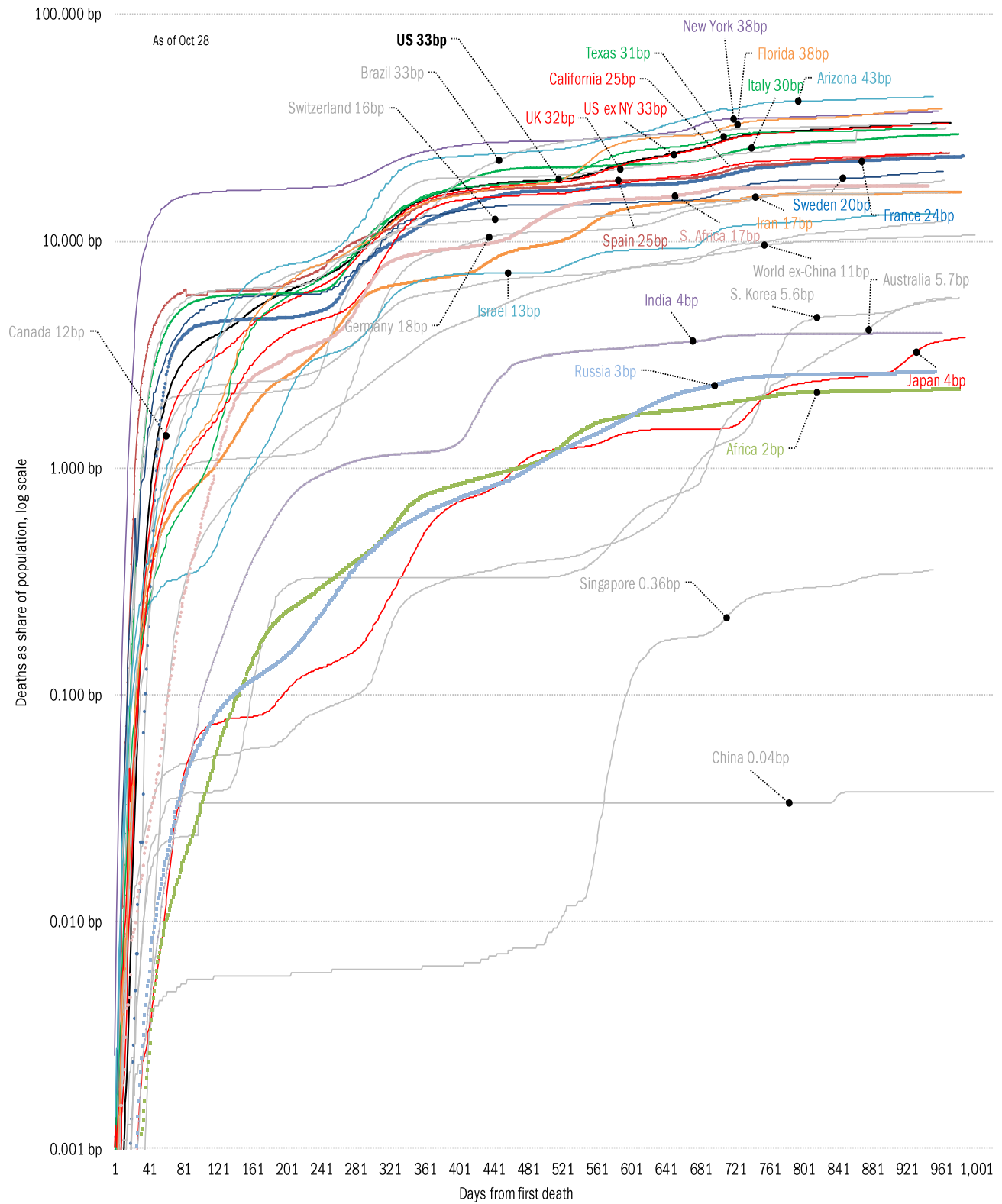


The global coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

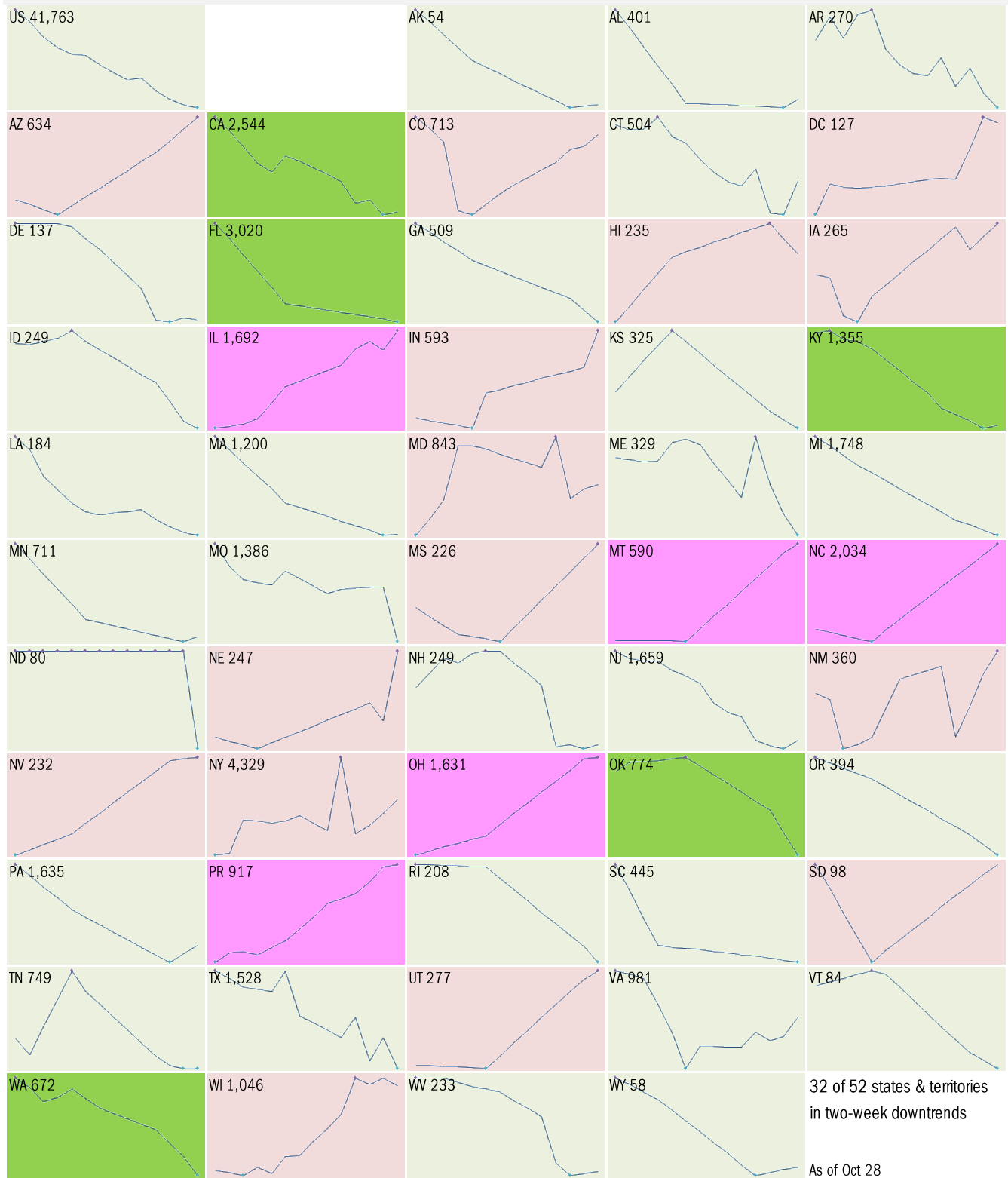


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

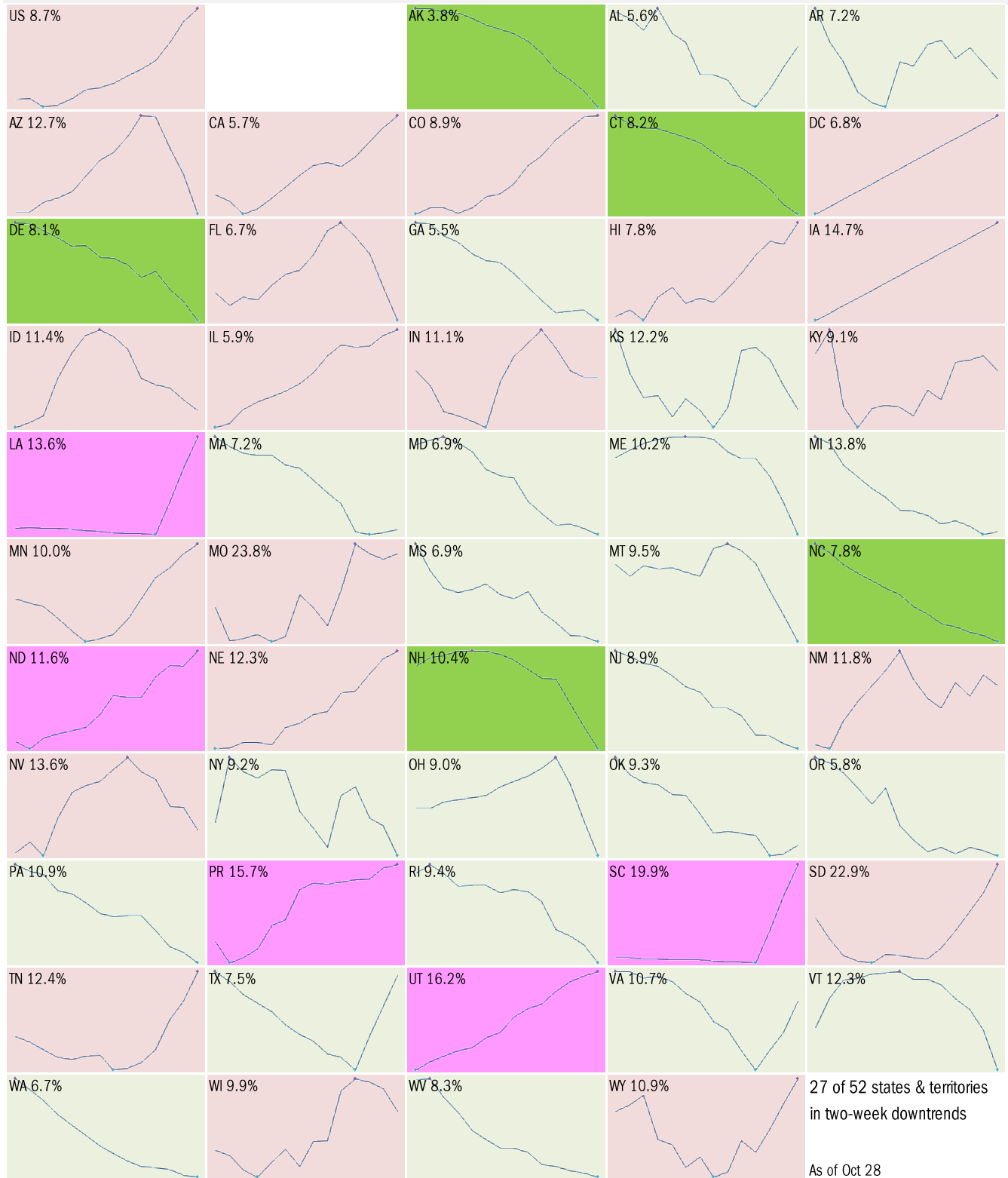


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

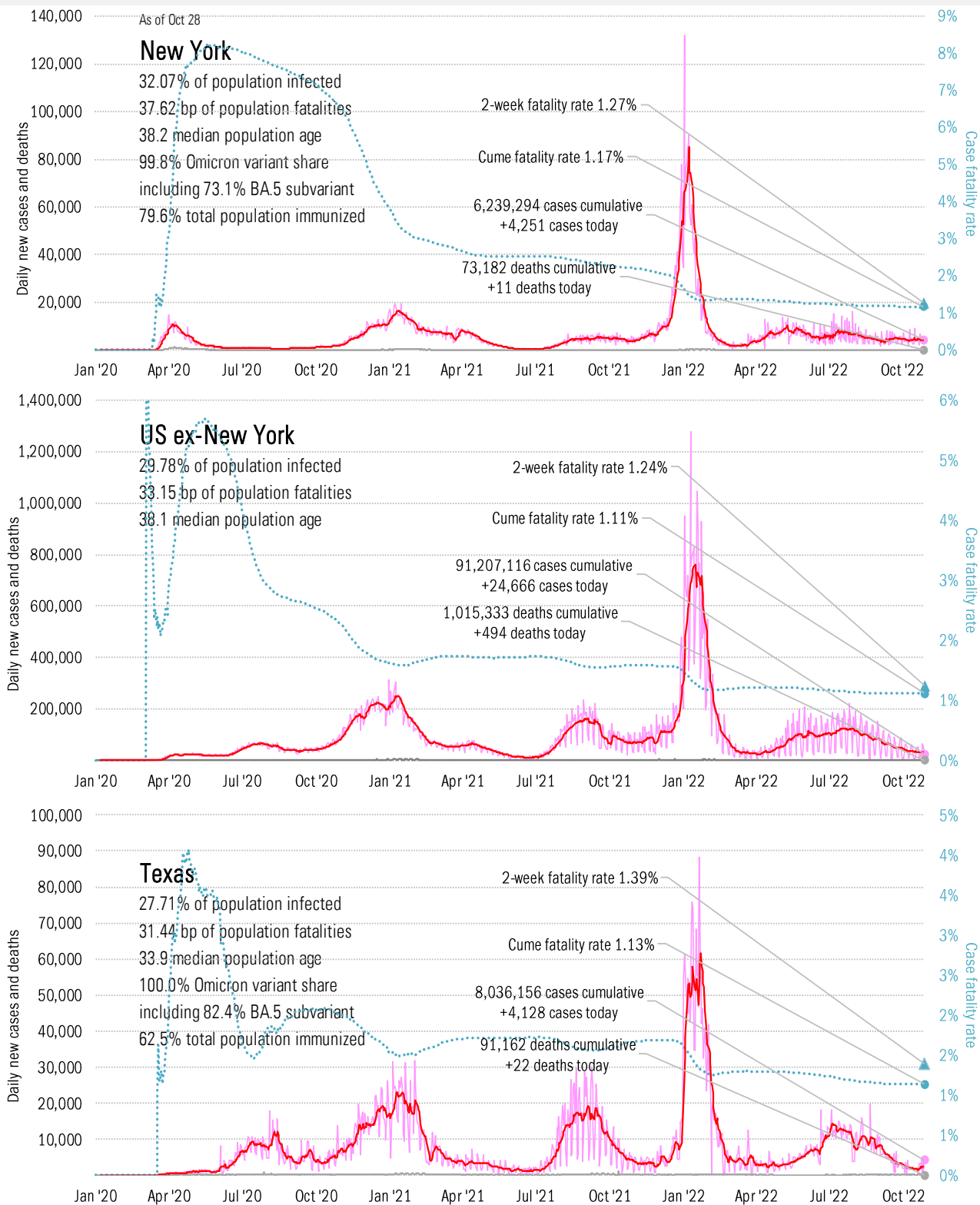
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

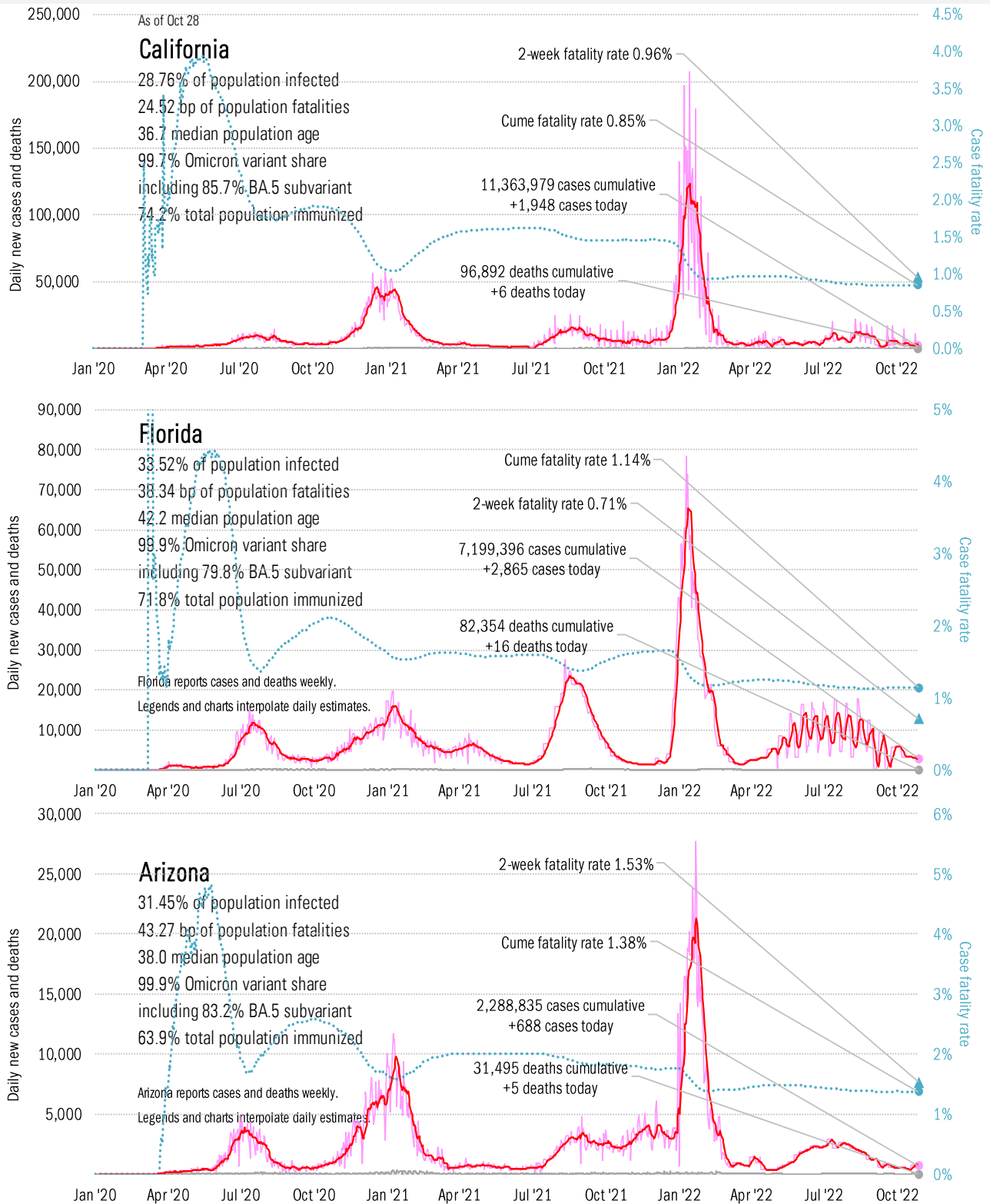
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

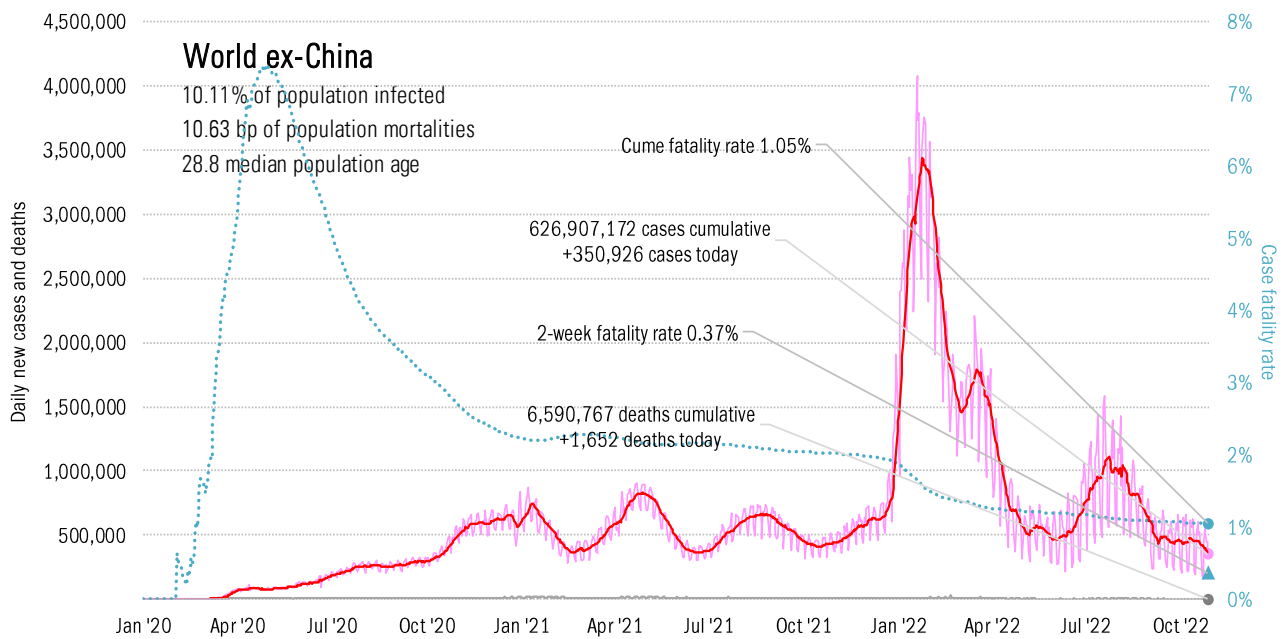
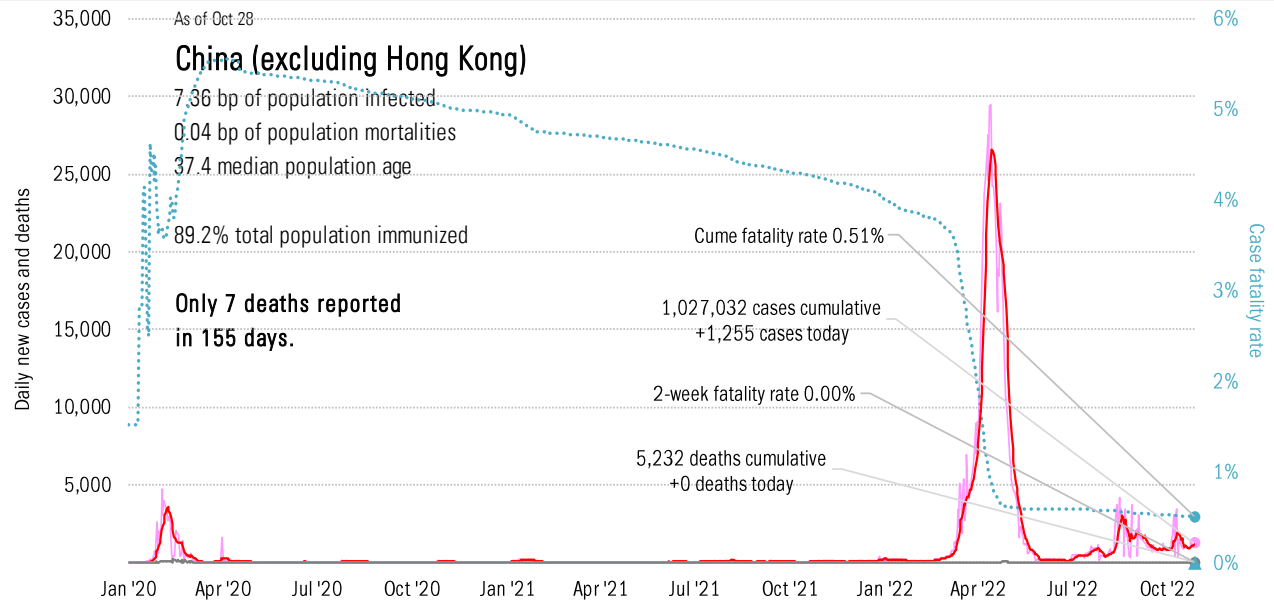
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

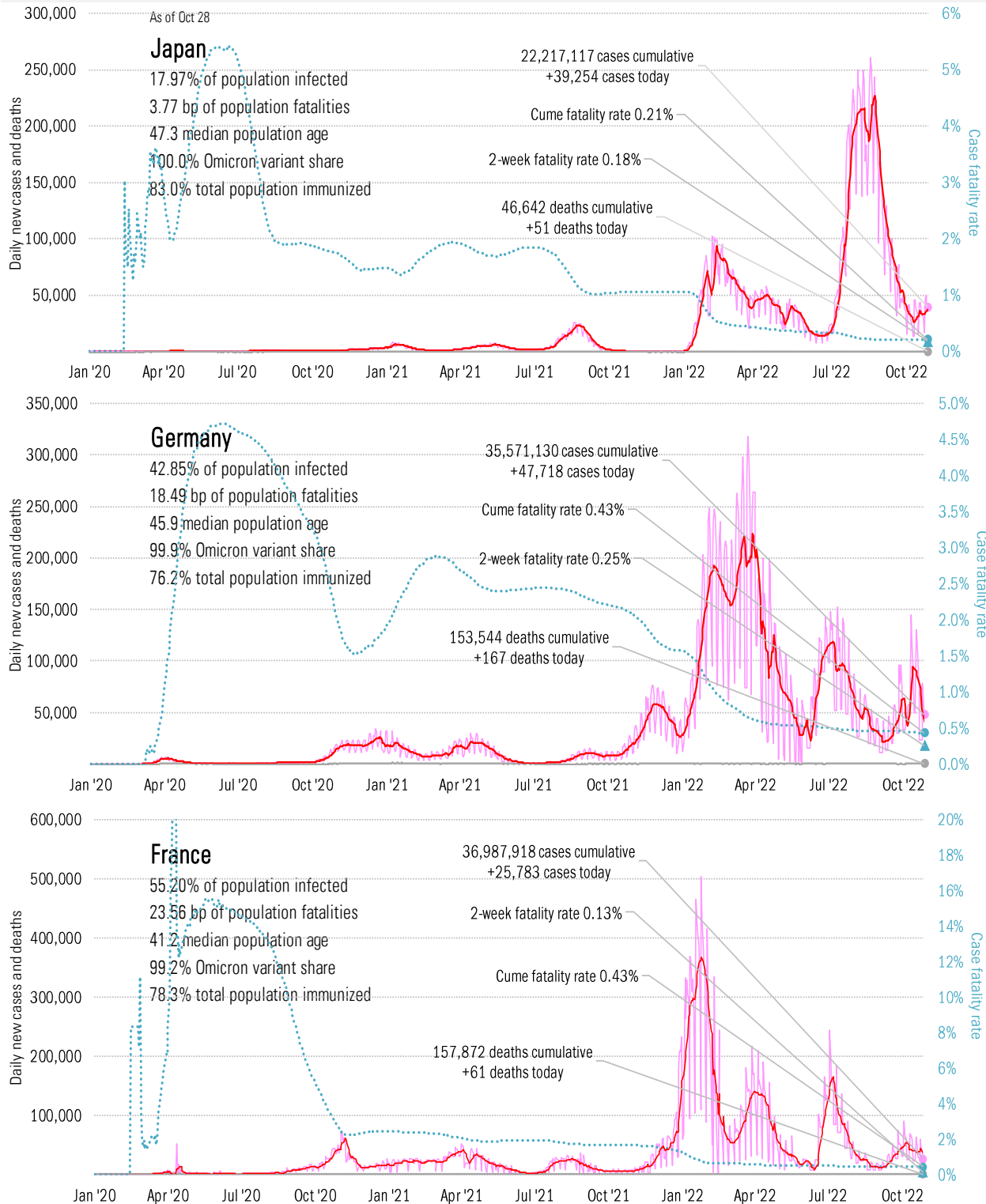


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

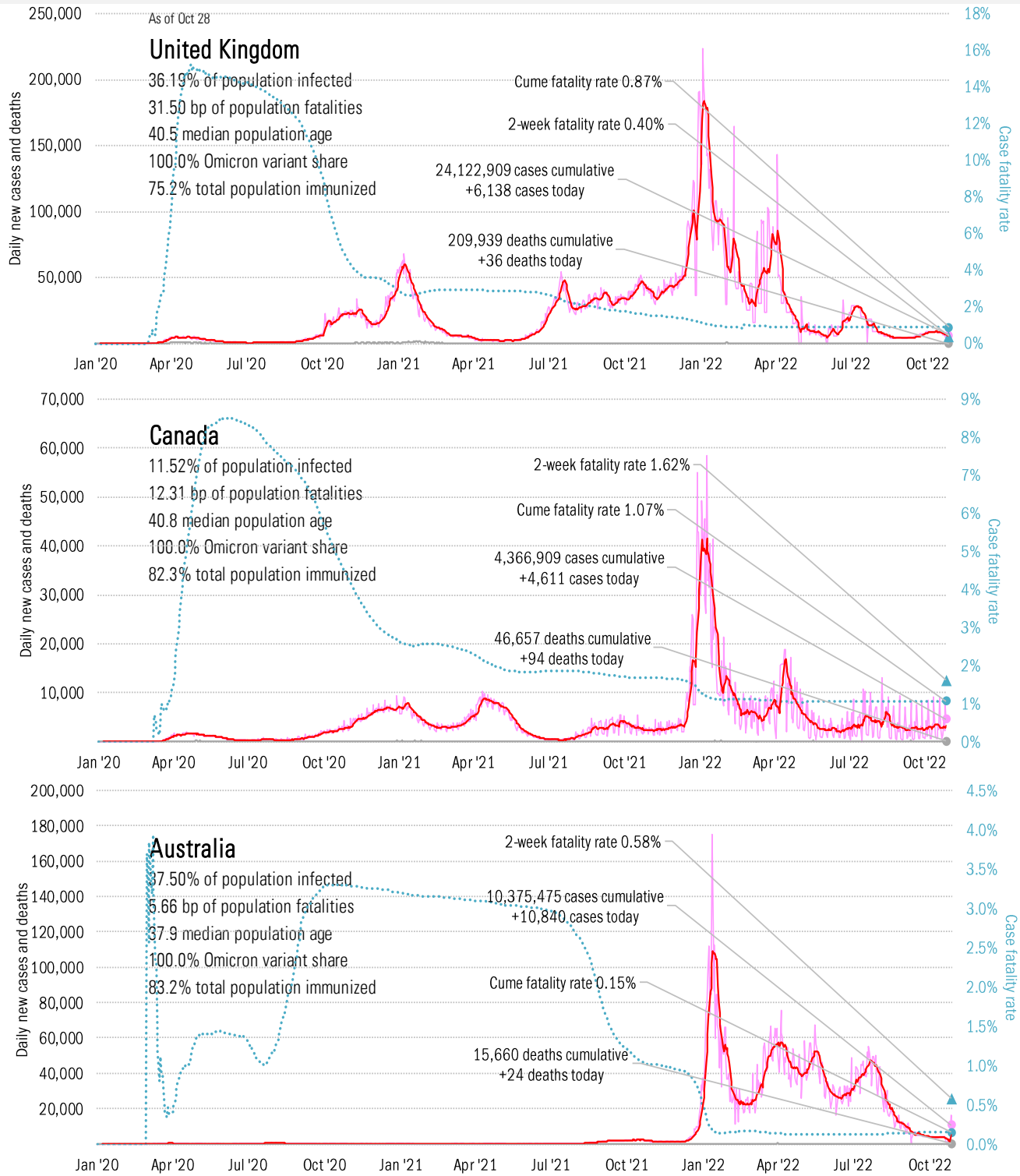
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

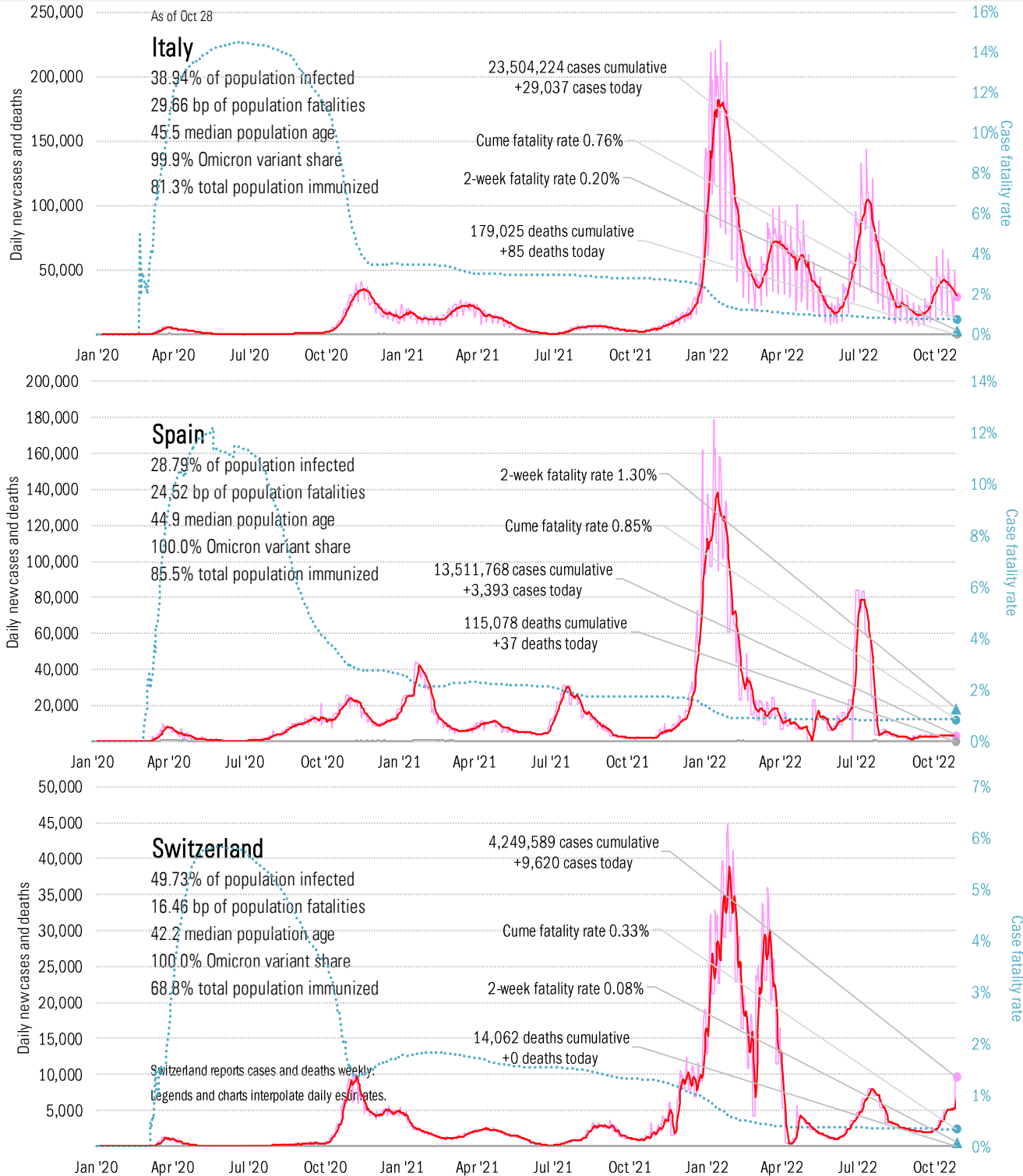
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

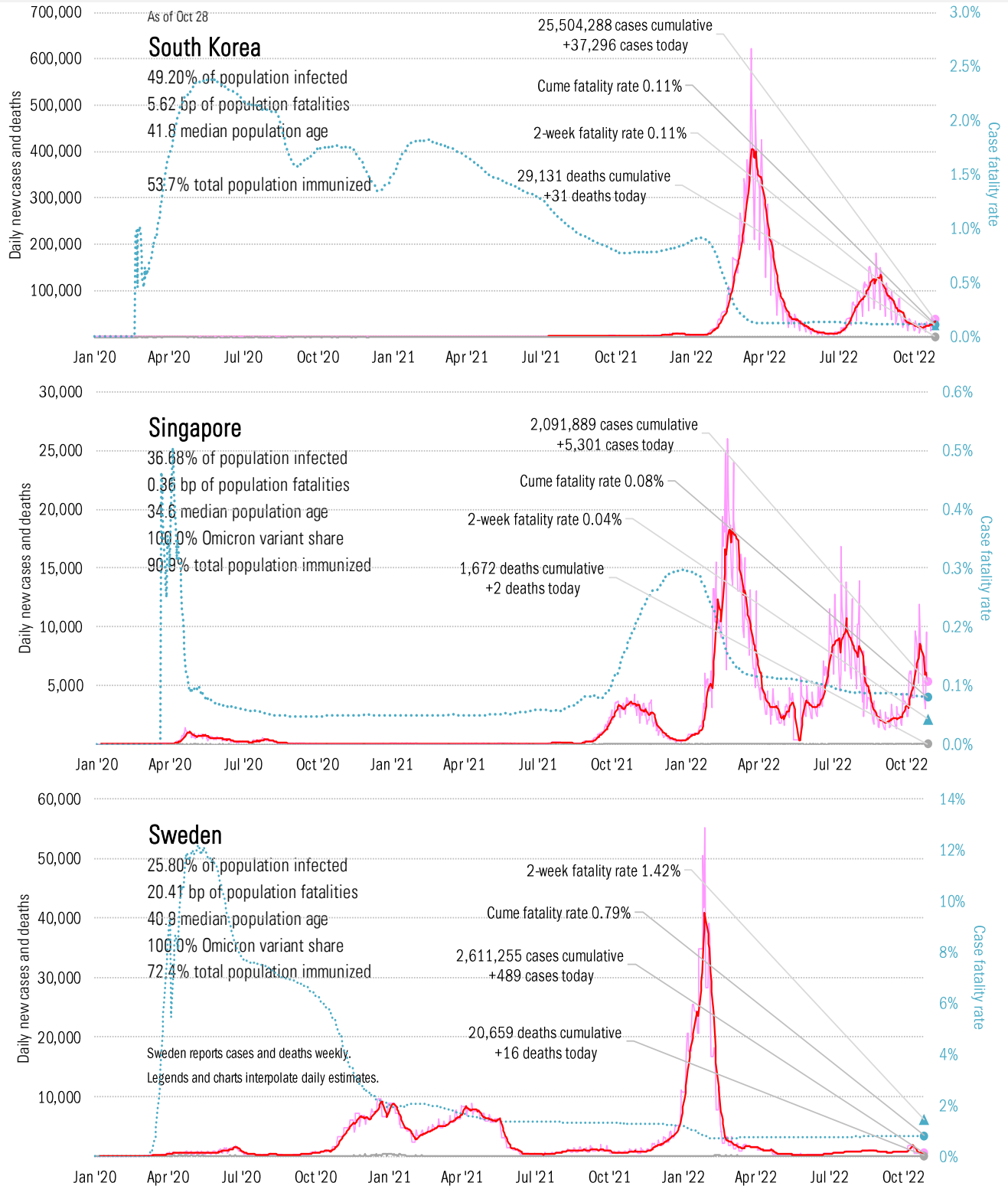
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

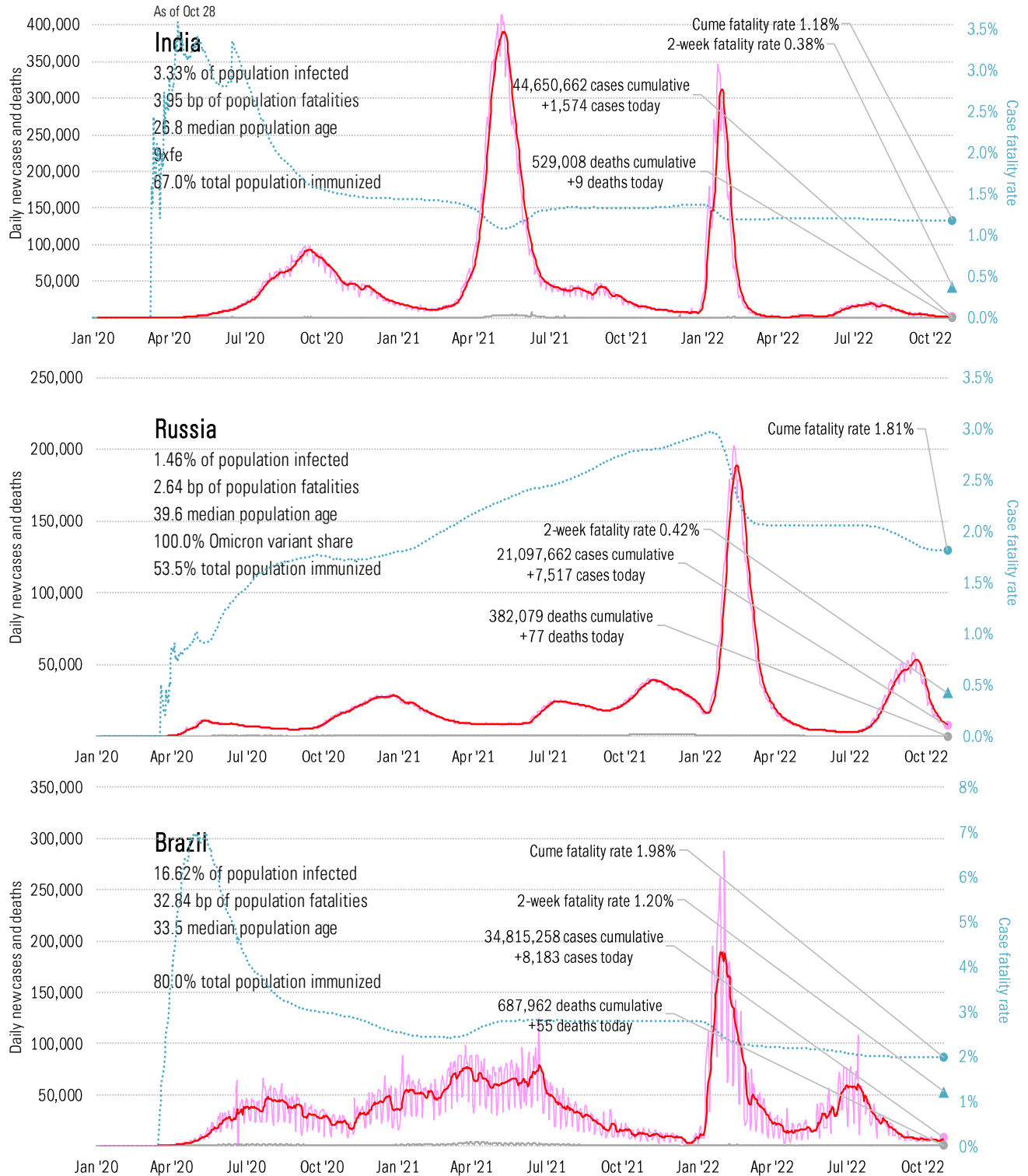
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

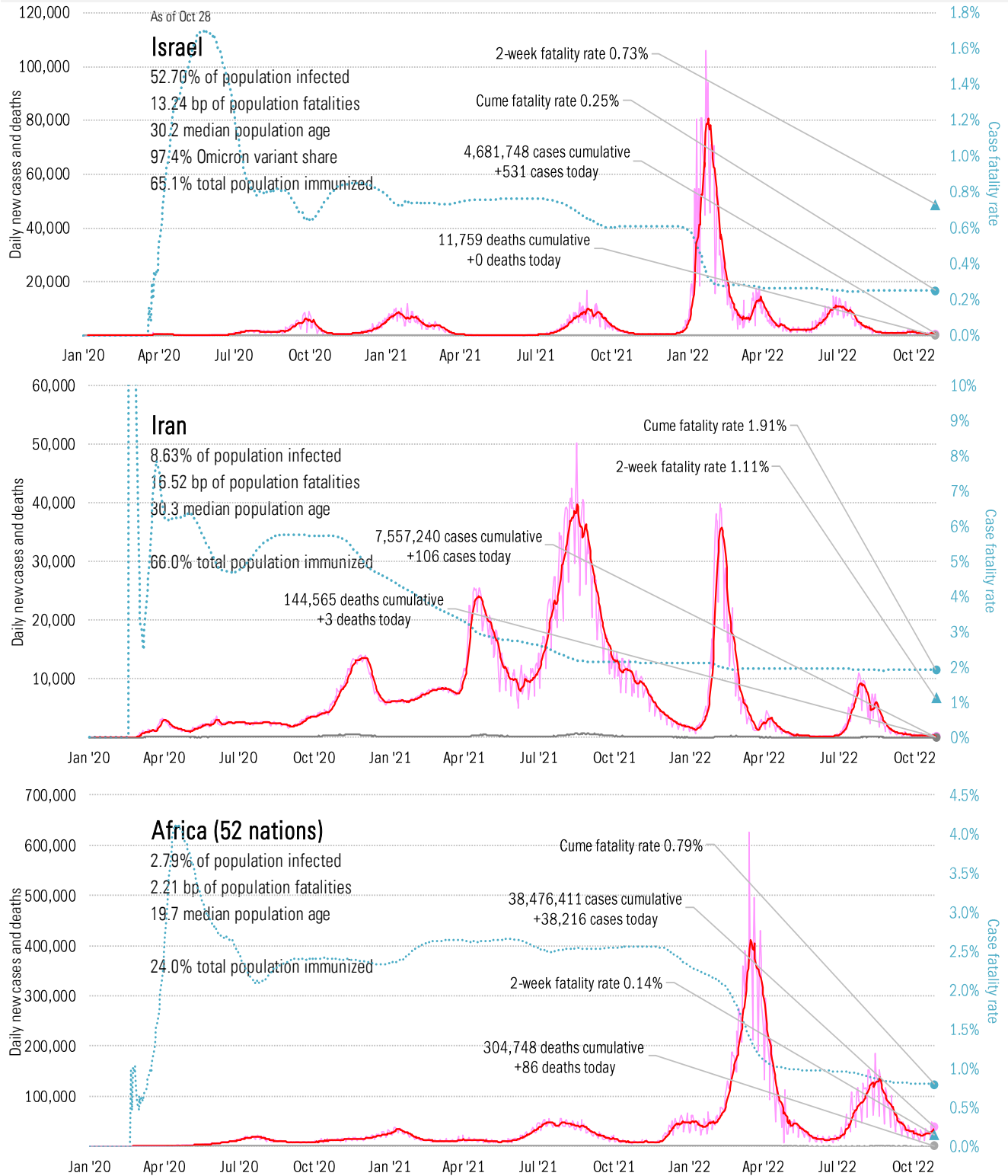
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

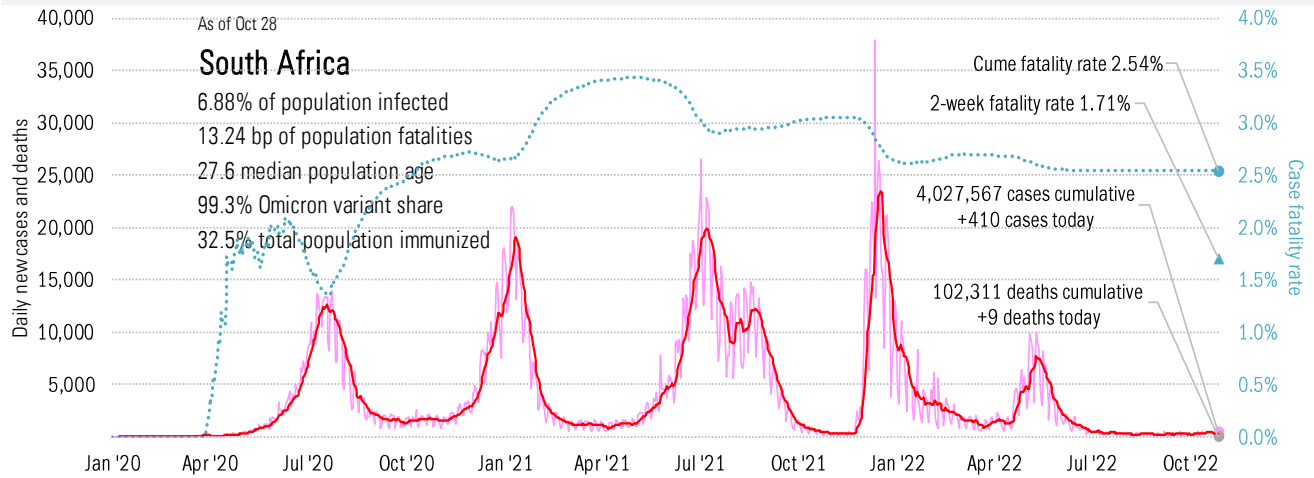
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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