

## Data Insights: Covid-2019 Monitor

Sunday, October 30, 2022

### The global scorecard

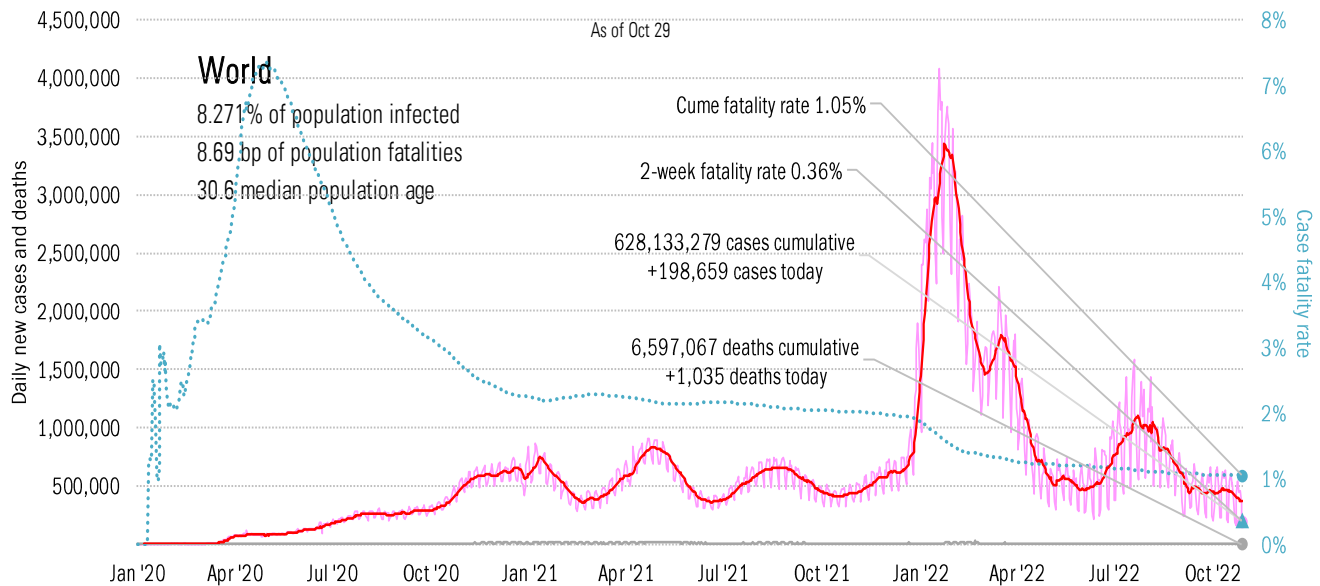
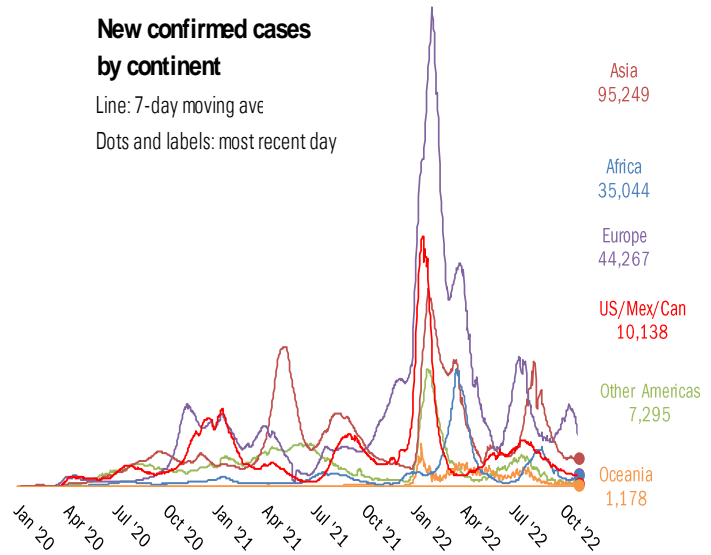
Cases: **7-day average** and **daily** Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
United States	45,305	United States	365
Japan	44,523	Russia	78
Korea, South	34,511	Italy	76
Taiwan*	32,477	Taiwan*	76
Italy	26,799	Japan	58
Russia	7,037	Philippines	36
Chile	6,432	Peru	30
Austria	5,754	Indonesia	27
Singapore	4,631	Korea, South	27
Malaysia	3,189	Chile	20
210,658		793	

#### New confirmed cases by continent

Line: 7-day moving ave  
 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

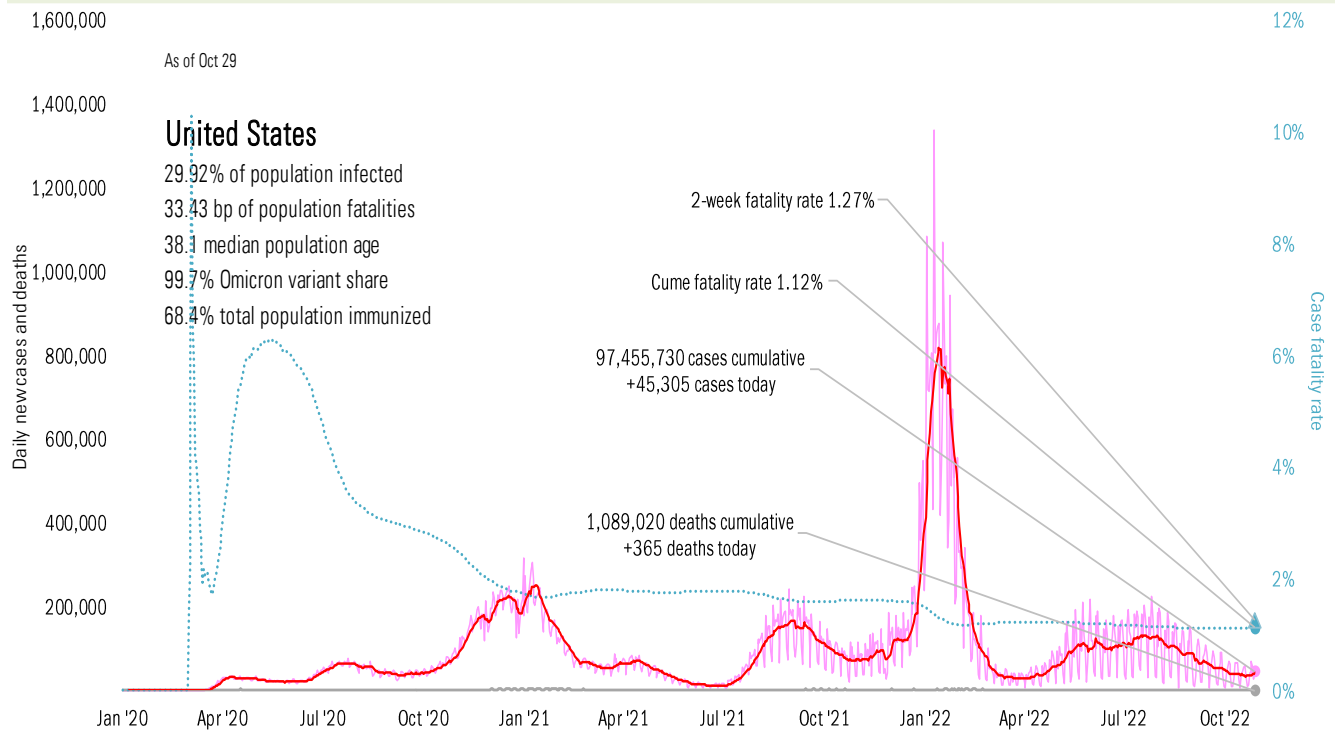
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
NJ	3,927		WI	26		CH	190		CA	11,363,979		CA	96,892		TX	550,614		RI	94%	RI	89%
IL	3,446		MI	23		LA	47		TX	8,036,156		TX	91,162		CA	507,405		MA	89%	MA	87%
KY	2,891		WA	22		PA	198		FL	7,199,396		FL	82,354		FL	498,737		MN	86%	TX	86%
FL	2,865		VA	18		NY	353		NY	6,241,919		NY	73,182		NY	309,893		MO	86%	AL	85%
NY	2,625		PA	18		NC	85		IL	3,809,678		PA	47,705		GA	227,763		WA	85%	NC	83%
NC	2,369		FL	16		OR	42		PA	3,304,816		GA	40,626		CH	222,705		WV	84%	AK	83%
TX	2,064		MA	14		FL	187		NC	3,237,440		CH	40,178		PA	208,852		MD	84%	VT	83%
CA	1,948		IL	14		GA	79		CH	3,185,038		IL	39,982		IL	190,845		GA	84%	NH	83%
MI	1,738		AR	13		OK	38		GA	2,920,663		MI	39,250		MI	166,549		DE	83%	WA	82%
PA	1,683		CO	13		IN	61		MI	2,886,176		NJ	34,904		KY	146,370		MI	82%	DC	82%
25,556			176			1,280			52,185,261			586,235			3,029,733						
All states	45,305		365			3,336			All states	97,455,730		1,089,020			5,499,842			All states	70%	67%	
Top ten	56%		48%			38%			Top ten	54%		55%			55%			Median	78%	75%	

Some states not reporting

## Five most improved US states

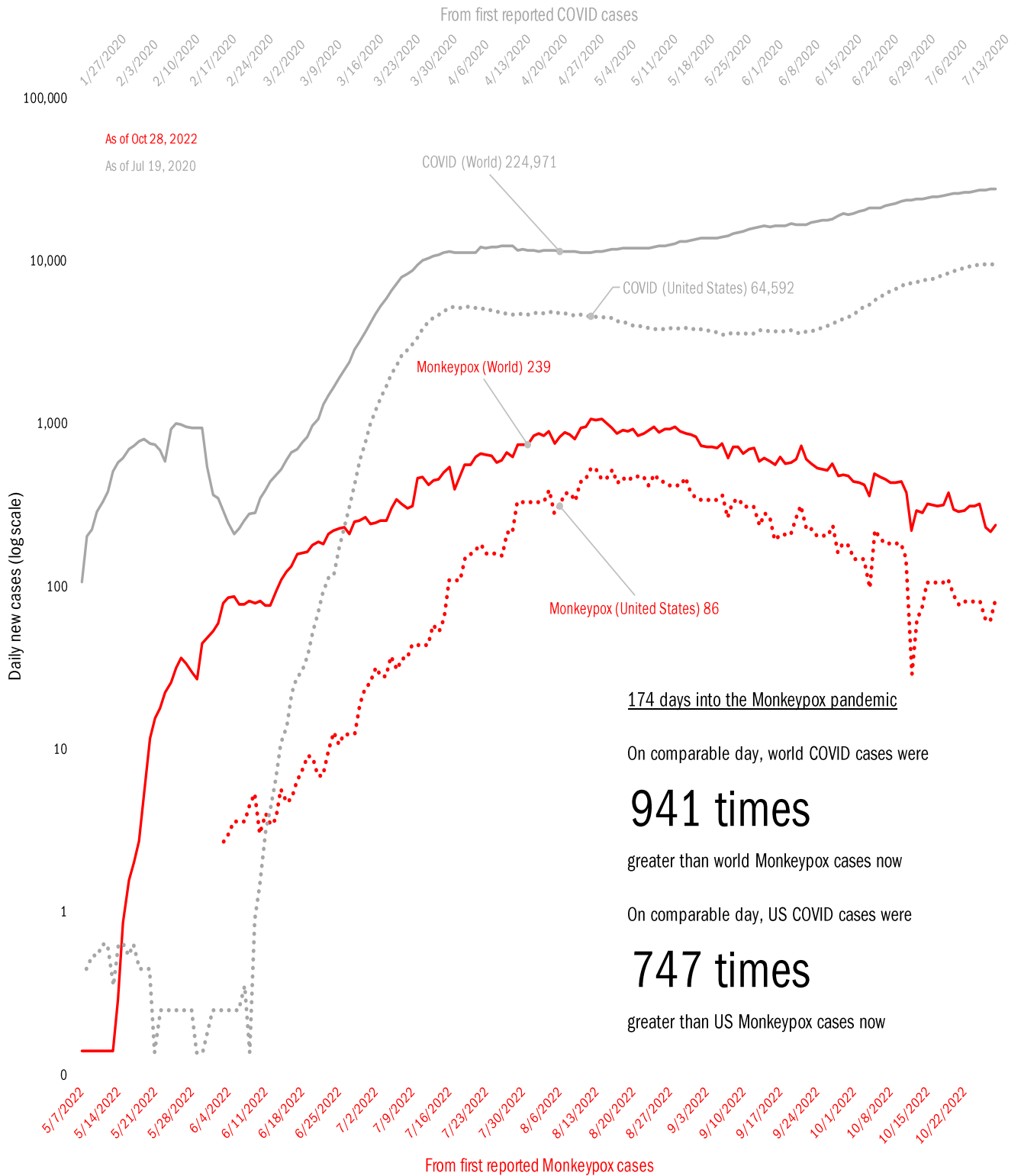
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-1,626	TX	-22	MI	-66
CT	-471	WV	-1	CO	-31
ND	-139	AK	0	CT	-28
ME	-50	AL	0	MN	-26
AK	0	AR	0	MO	-24



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

# The Monkeypox contextualizer

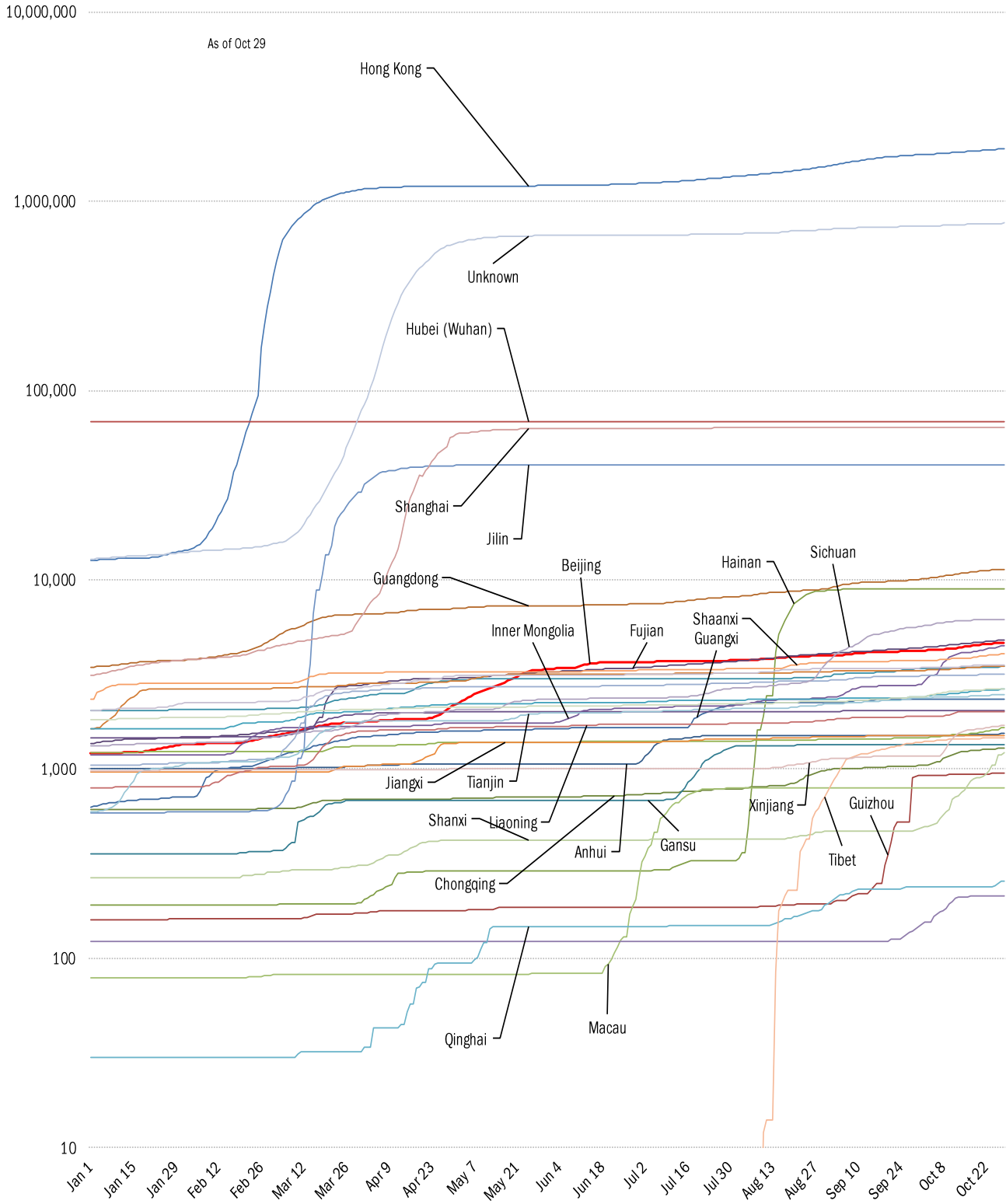
## The course of case growth versus COVID



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"*

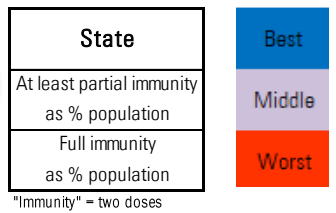
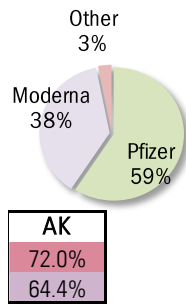


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

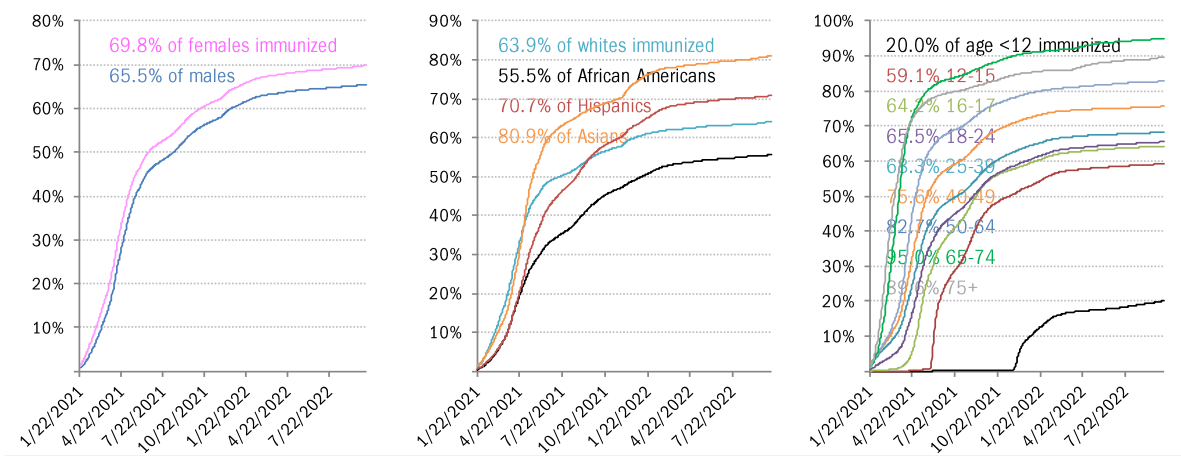
Administered	Cumulative		Today	Immunity	Full	Partial
Doses	648,750,535		+0.738 million	US	68.3%	80.0%
of which boosters	113,645,892		+0.078 million	UK	75.5%	80.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	273,846,111	82%	233,314,181	70%	+0.058 million	France 78.7% 81.0%
Age 12 to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

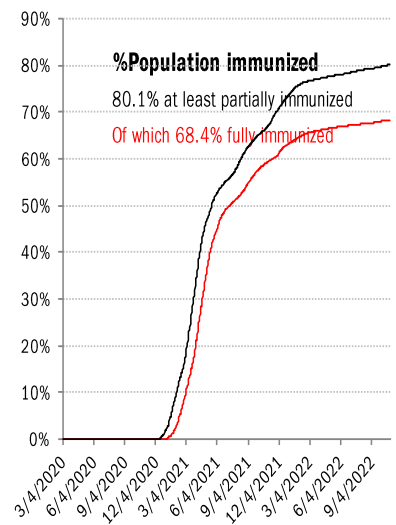
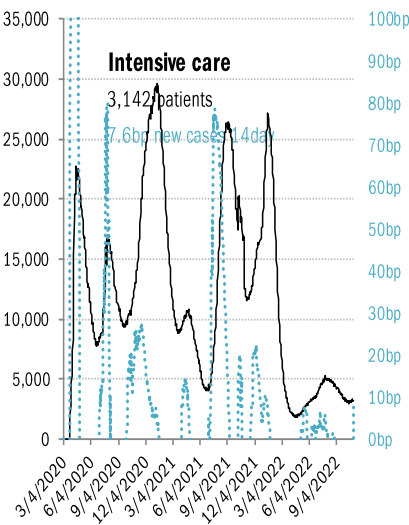
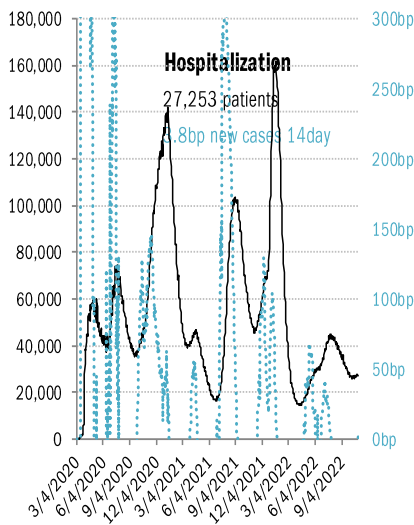
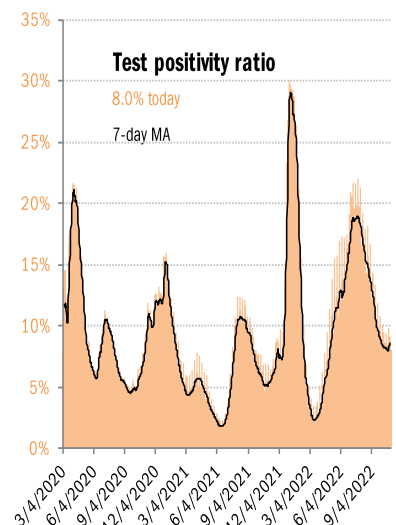
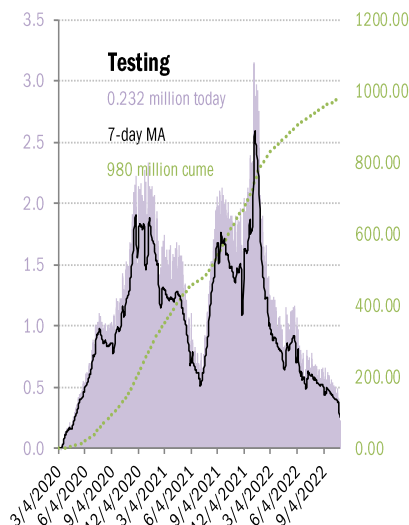
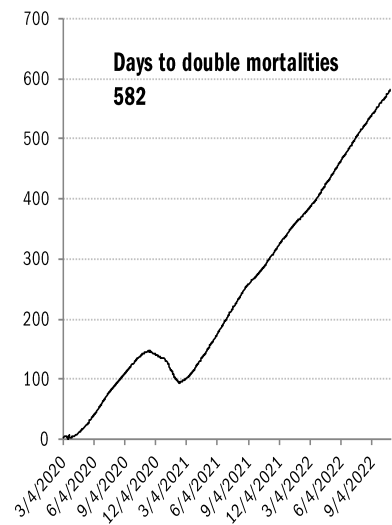
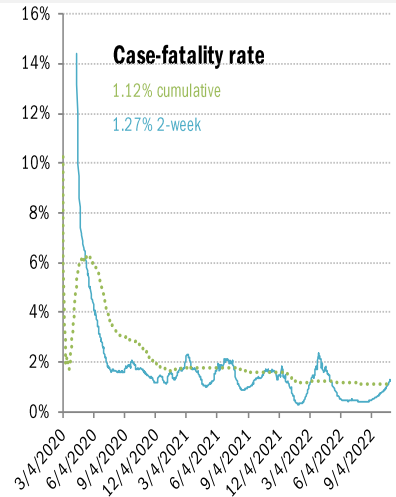
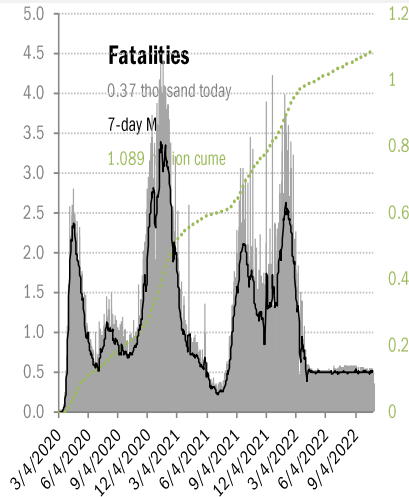
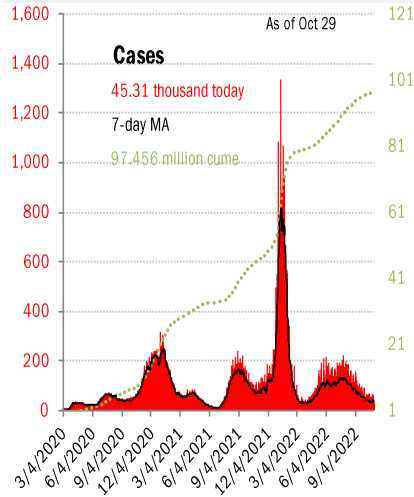
State	Moderna %	Pfizer %
AK	72.0%	64.4%
HI	90.2%	80.5%
ME	94.6%	82.1%
NY	92.9%	79.4%
VT	95.0%	83.9%
NH	84.8%	69.7%
MA	95.0%	82.2%
RI	95.0%	86.1%
CT	95.0%	81.8%
DE	86.3%	71.8%
DC	95.0%	82.1%
VA	88.9%	75.4%
MD	90.0%	78.3%
PA	88.5%	71.5%
OH	64.9%	59.7%
IN	63.6%	57.2%
MI	68.6%	61.6%
WI	73.9%	67.3%
IL	78.1%	70.3%
IA	69.7%	63.5%
MN	77.5%	71.0%
ND	68.0%	57.4%
SD	81.0%	64.6%
WY	59.8%	52.3%
NV	77.6%	62.6%
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%
NC	89.2%	65.0%
SC	69.9%	59.0%
GA	67.3%	56.4%
AL	64.3%	52.5%
MS	61.1%	53.3%
LA	62.3%	54.6%
OK	73.4%	59.4%
TX	75.0%	62.4%
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%
GA	67.3%	56.4%
AL	64.3%	52.5%
MS	61.1%	53.3%
LA	62.3%	54.6%
OK	73.4%	59.4%
TX	75.0%	62.4%
FL	81.4%	68.6%
PR	95.0%	85.9%

## The demographics of US vaccination

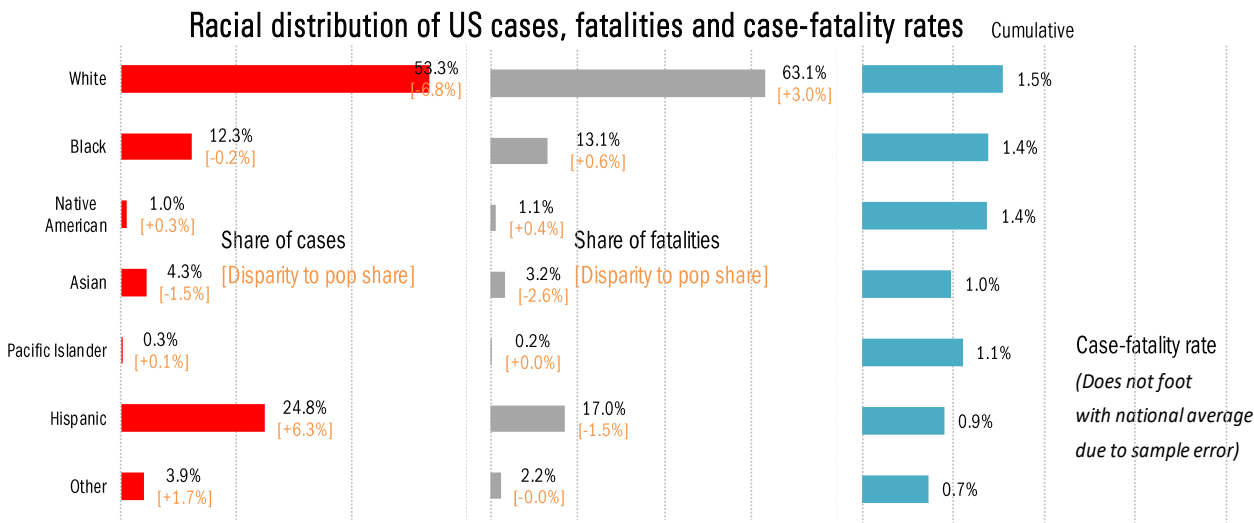
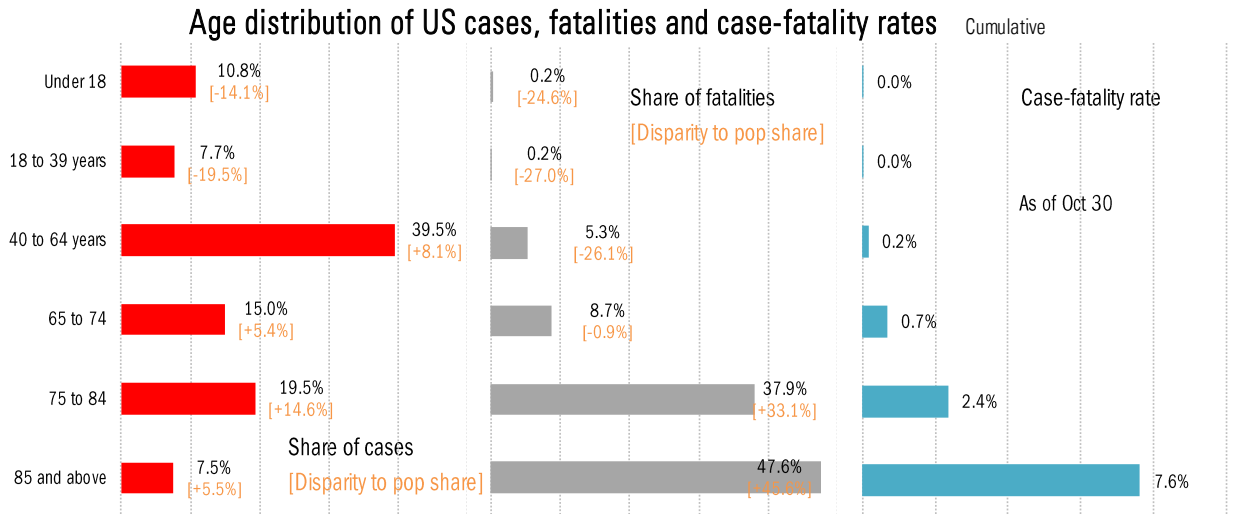


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

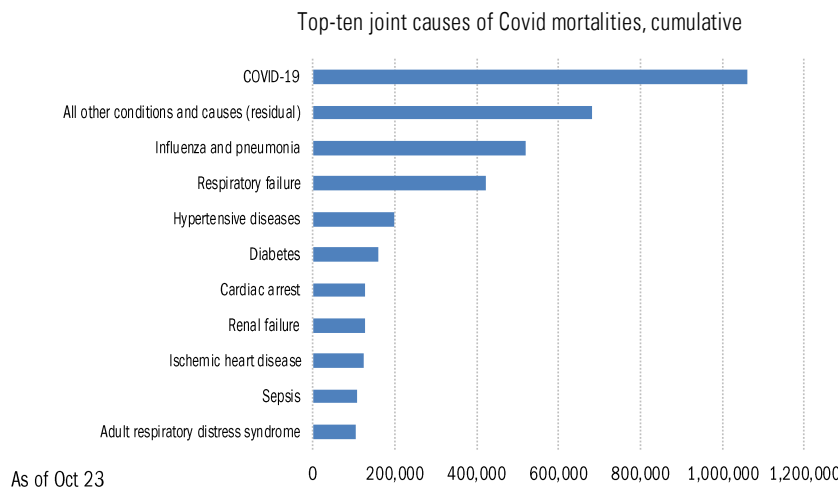
# US deep-dive



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

### [An Analysis of the Origins of the COVID-19 Pandemic: Interim Report](#)

Senate Committee on Health, Education, Labor and Pensions  
October 22, 2022

### [Senate HELP Committee Minority Oversight Staff Releases Interim Report Analyzing Origins of COVID-19 Pandemic](#)

Senate Committee on Health, Education, Labor and Pensions  
October 27, 2022

### [COVID-19 Origins: Investigating a "Complex and Grave Situation" Inside a Wuhan Lab](#)

Katherine Eban and Jeff Kao  
*Vanity Fair*  
October 28, 2022

### [Covid-19 'Most Likely' Leaked From Lab in China, Senate GOP Report Says](#)

Warren P. Strobel  
*Wall Street Journal*  
October 27, 2022

### [Chinese cities brace for wave of Foxconn workers from COVID-hit Zhengzhou](#)

Ryan Woo and Ziyi Tang  
*Reuters*  
October 30, 2022

### [Workers flee China's Covid restrictions at Foxconn's huge iPhone factory](#)

Ryan McMorrow and Gloria Li  
*Financial Times*  
October 30, 2022

## Meme of the day

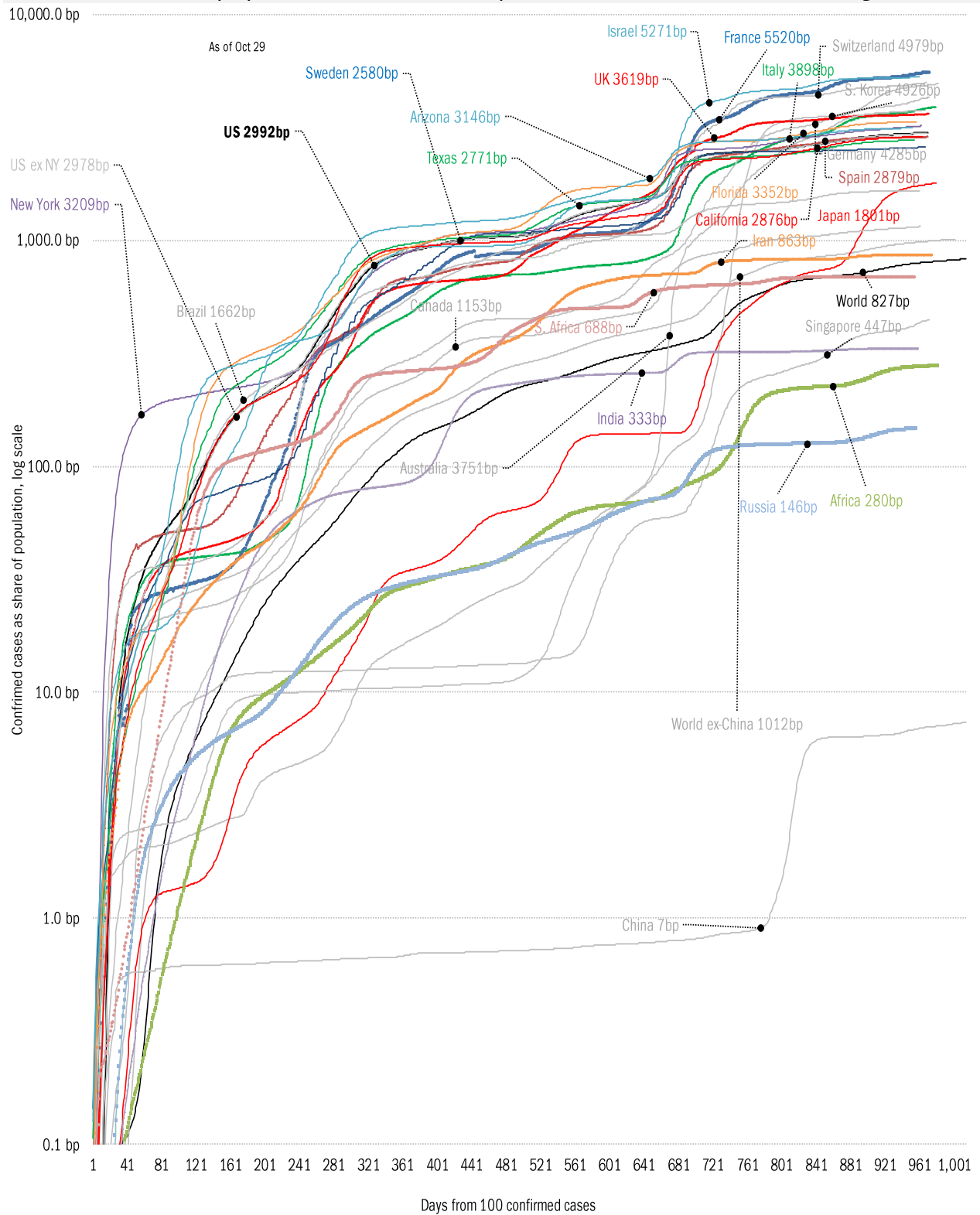


Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)



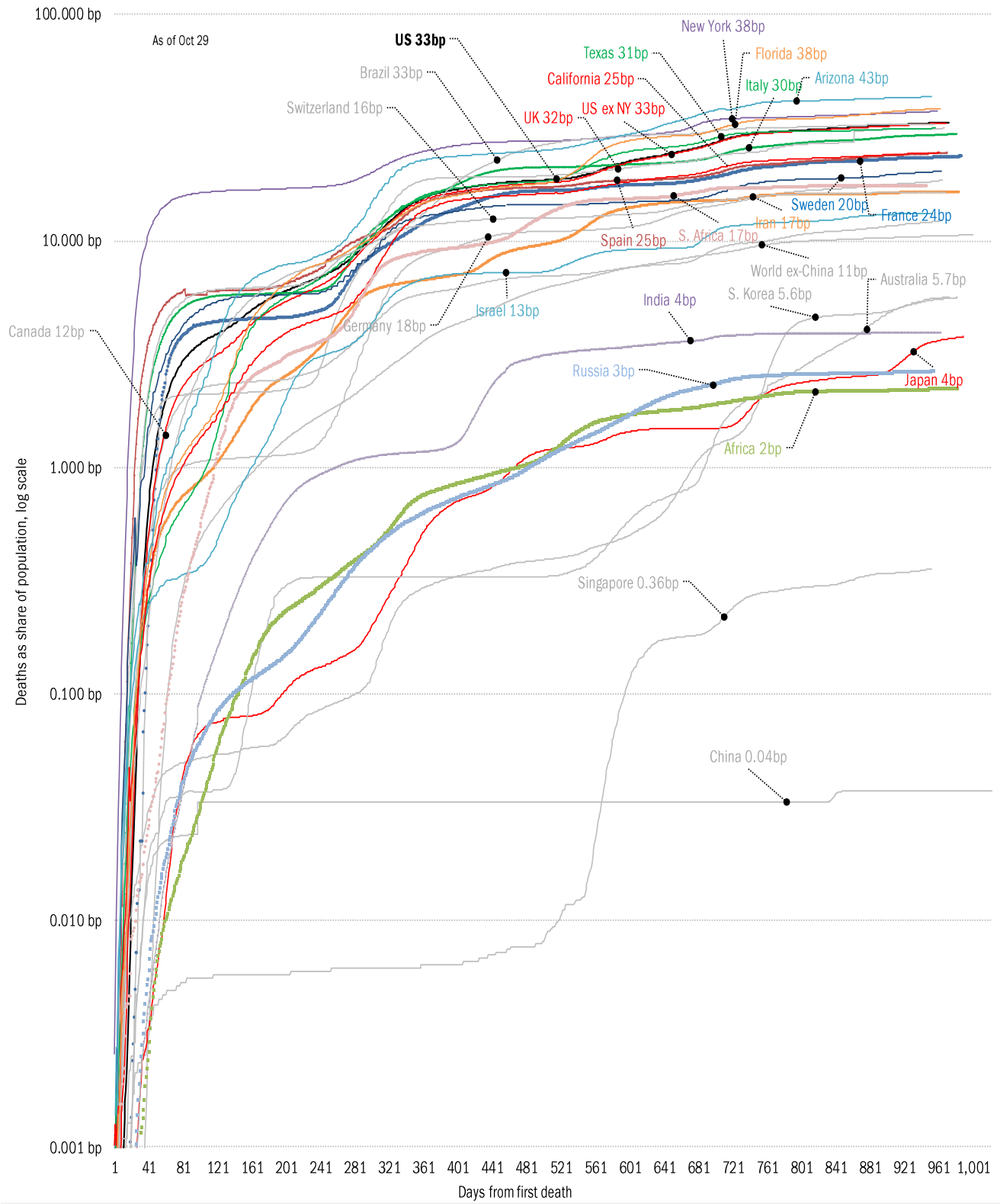
# The global coronavirus case accelerometer... tracking the world's infection curves

*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*

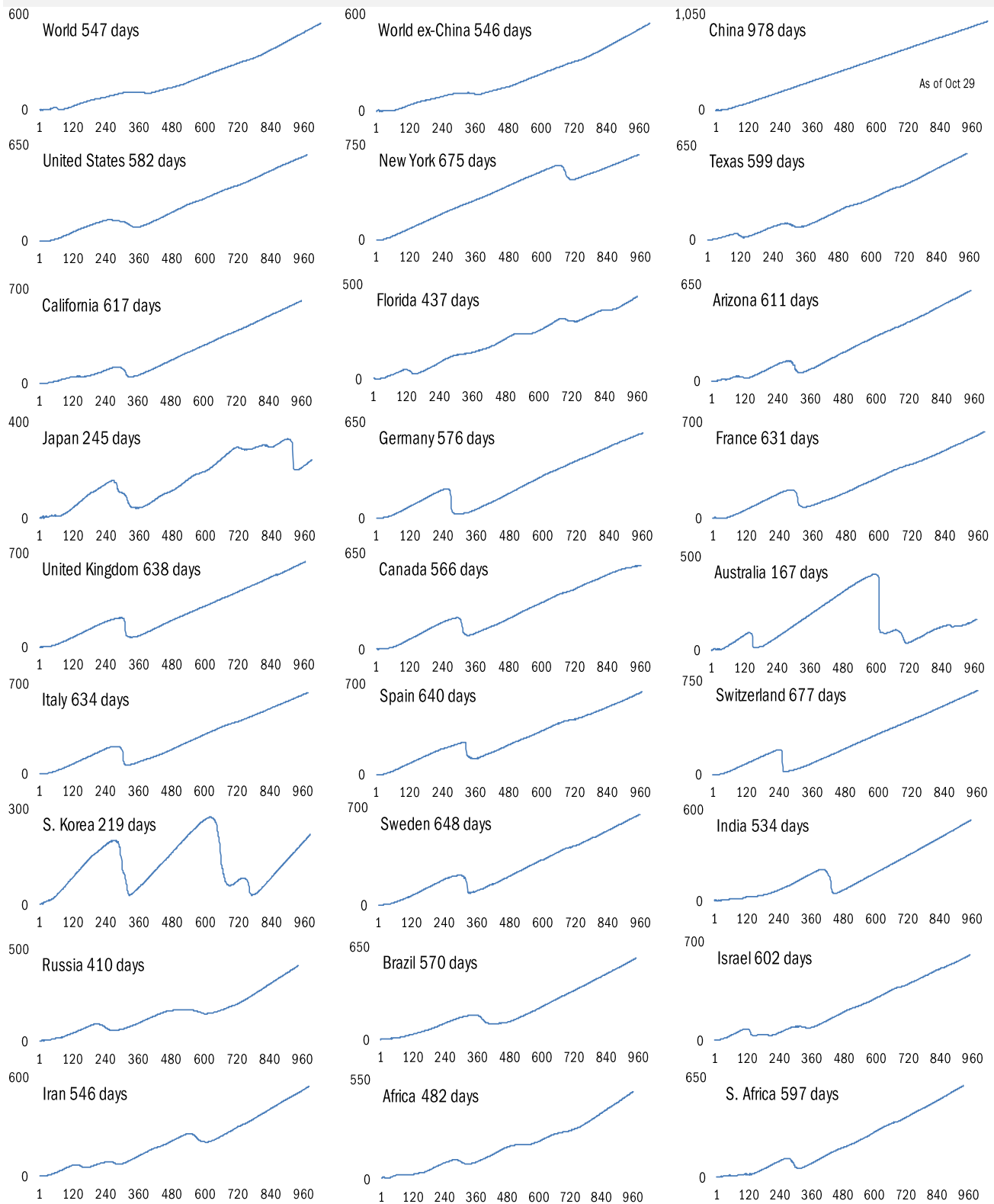


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

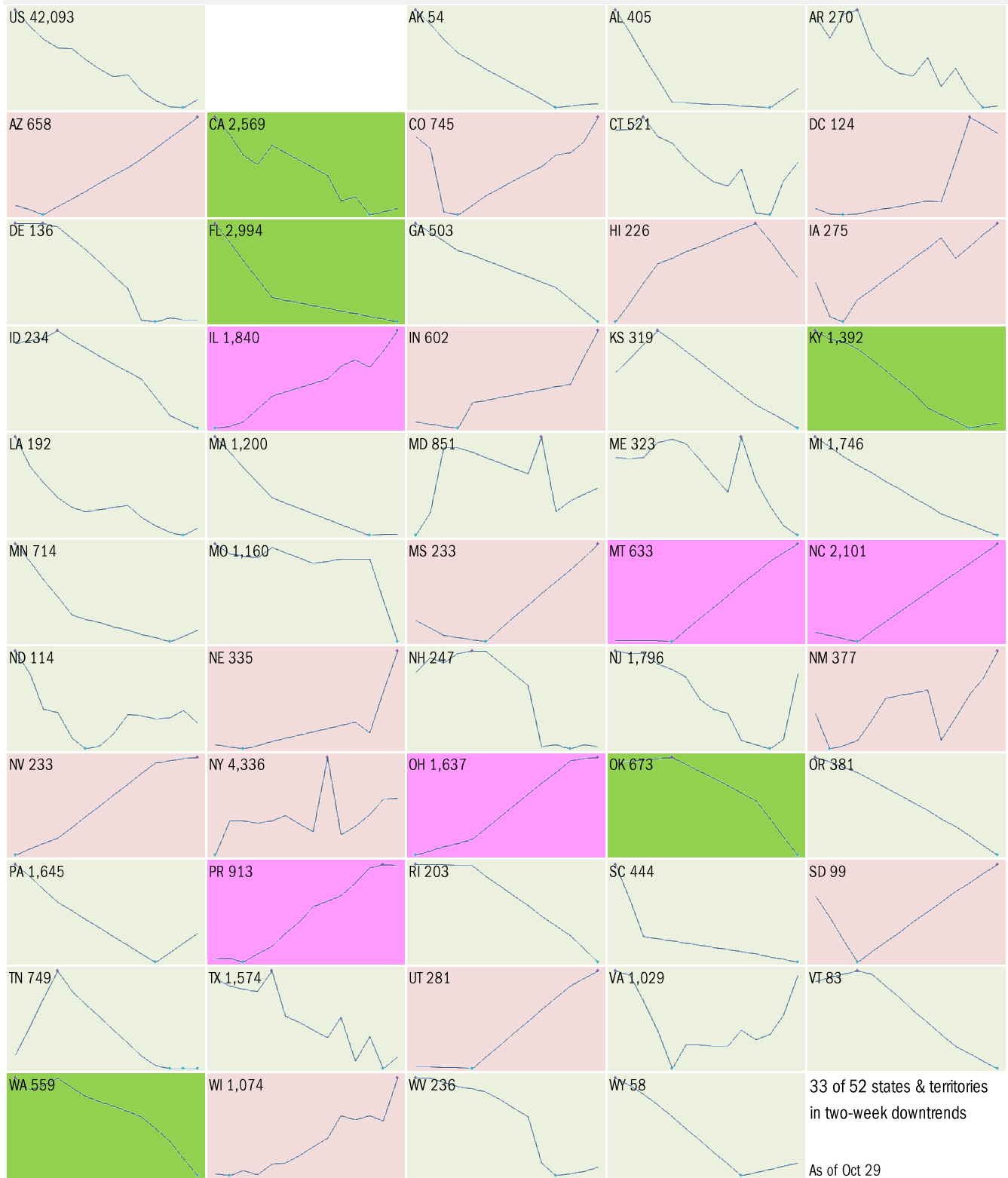


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

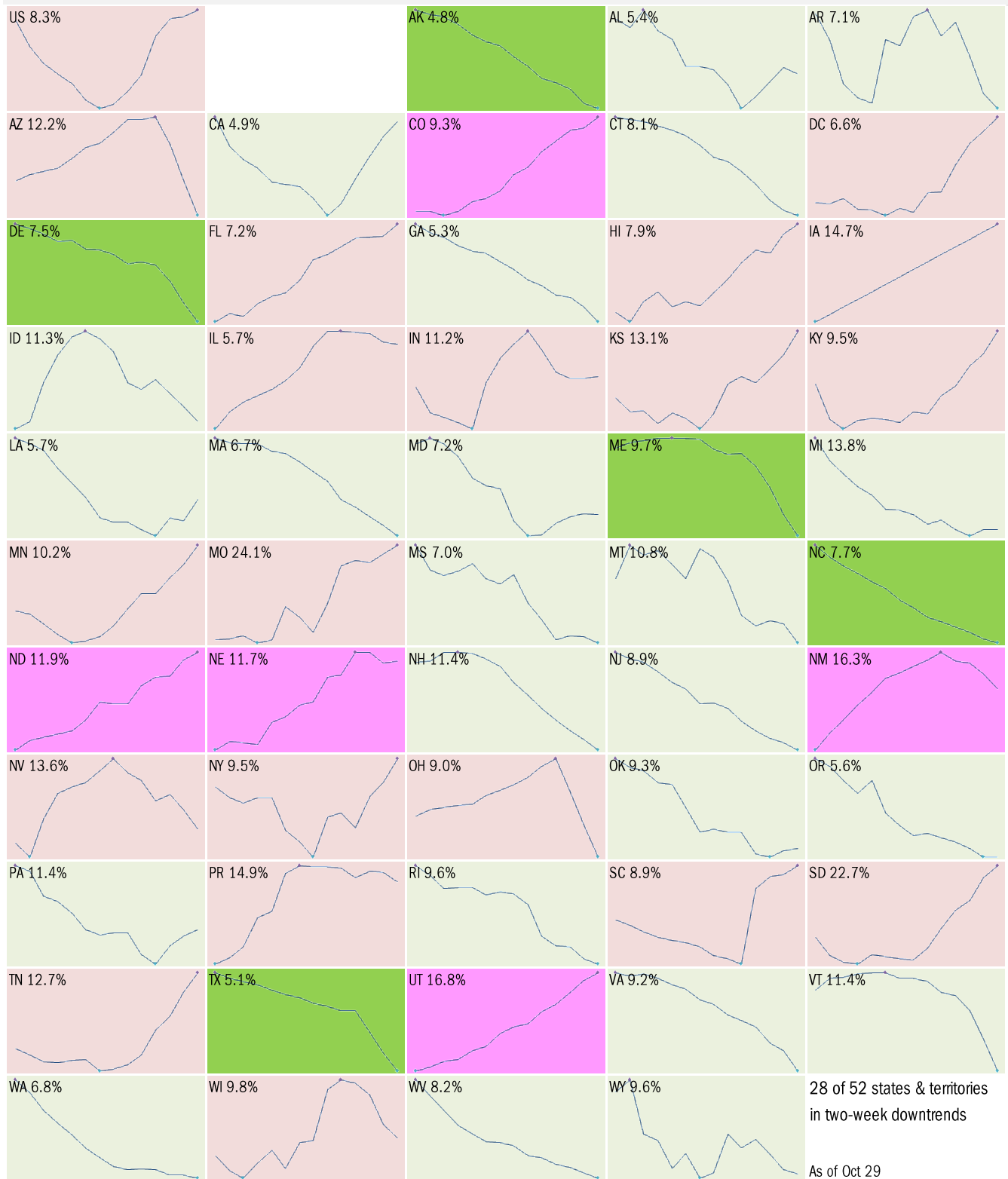


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

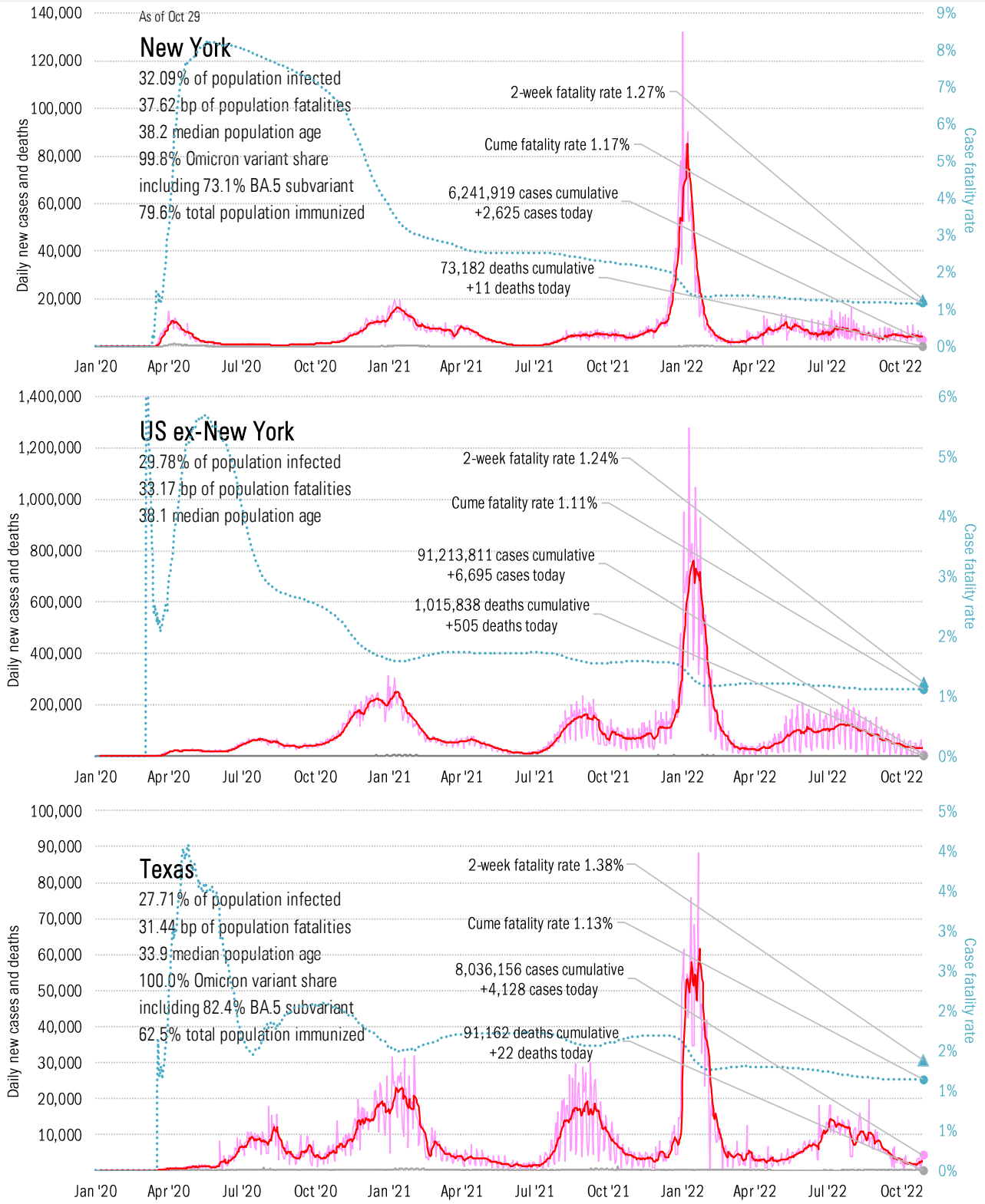
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

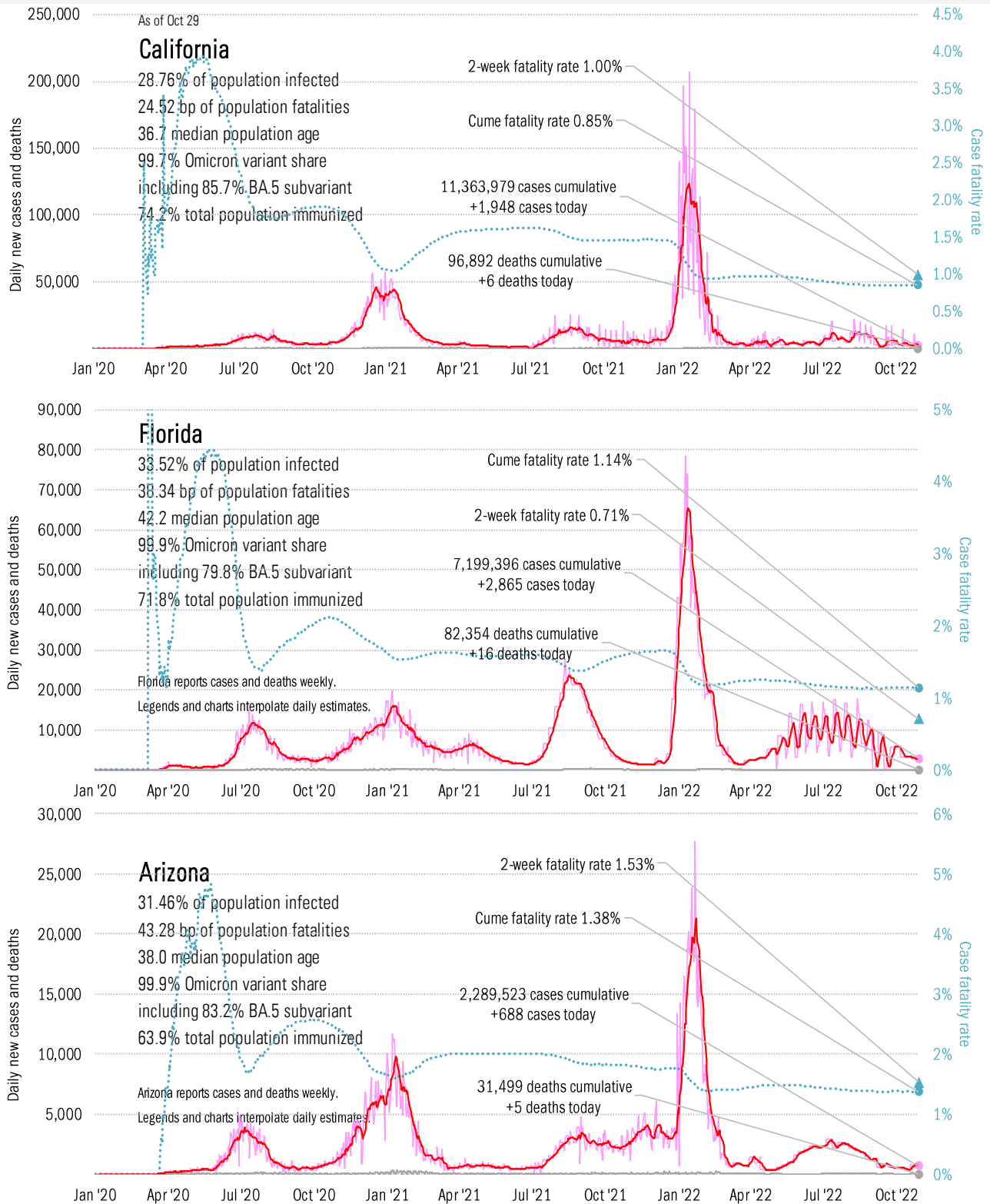
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

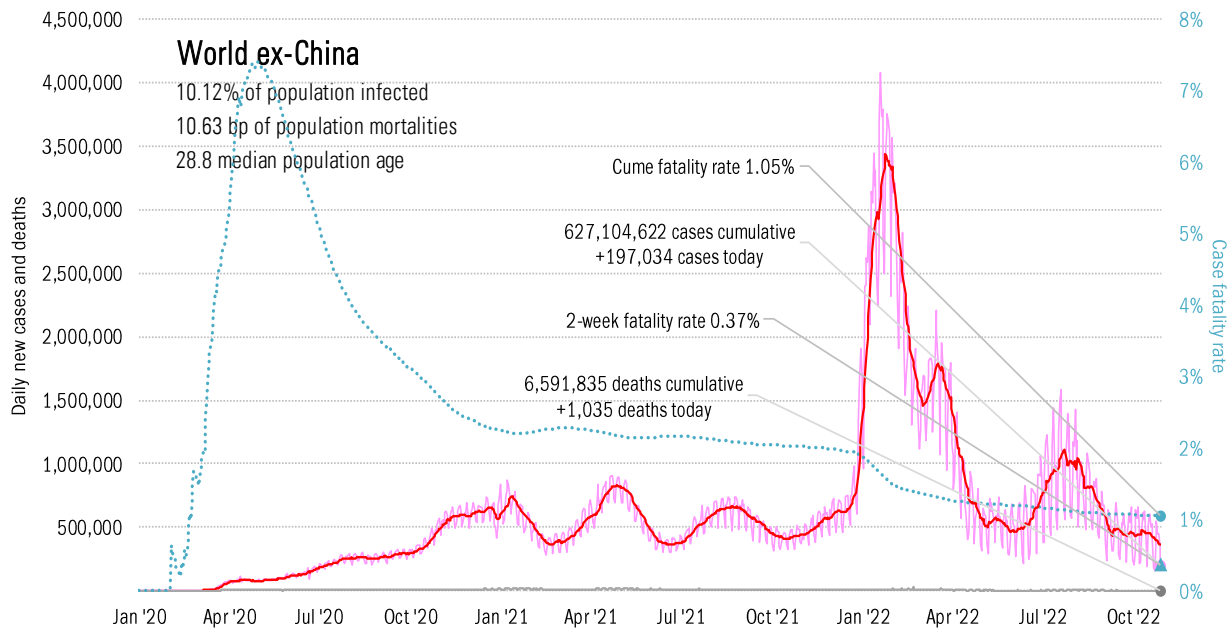
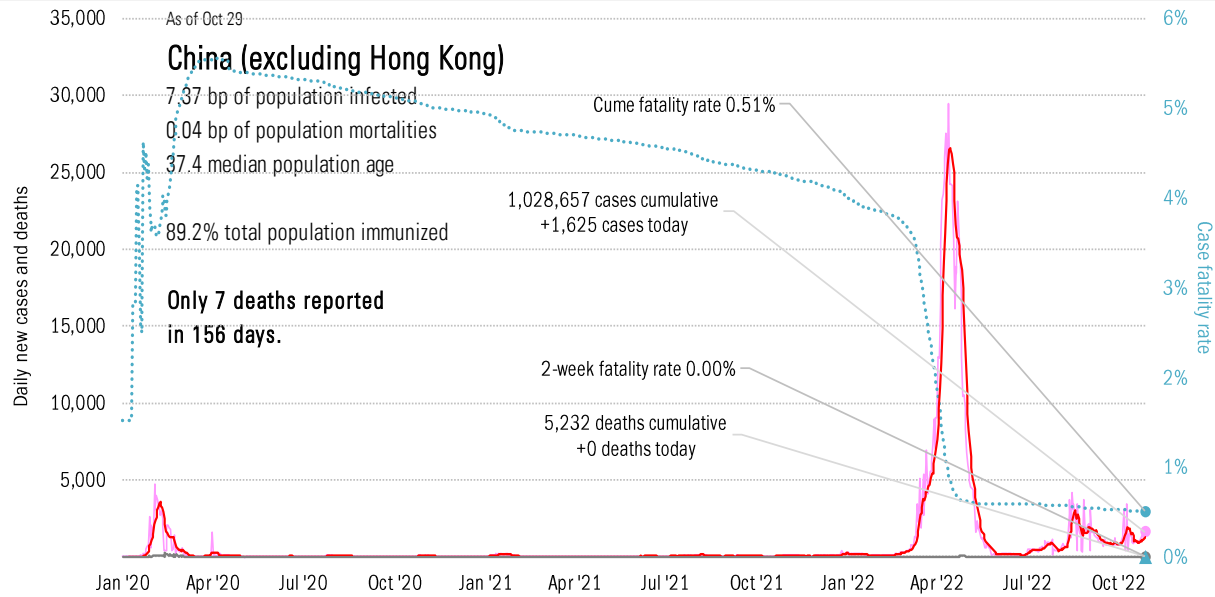
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

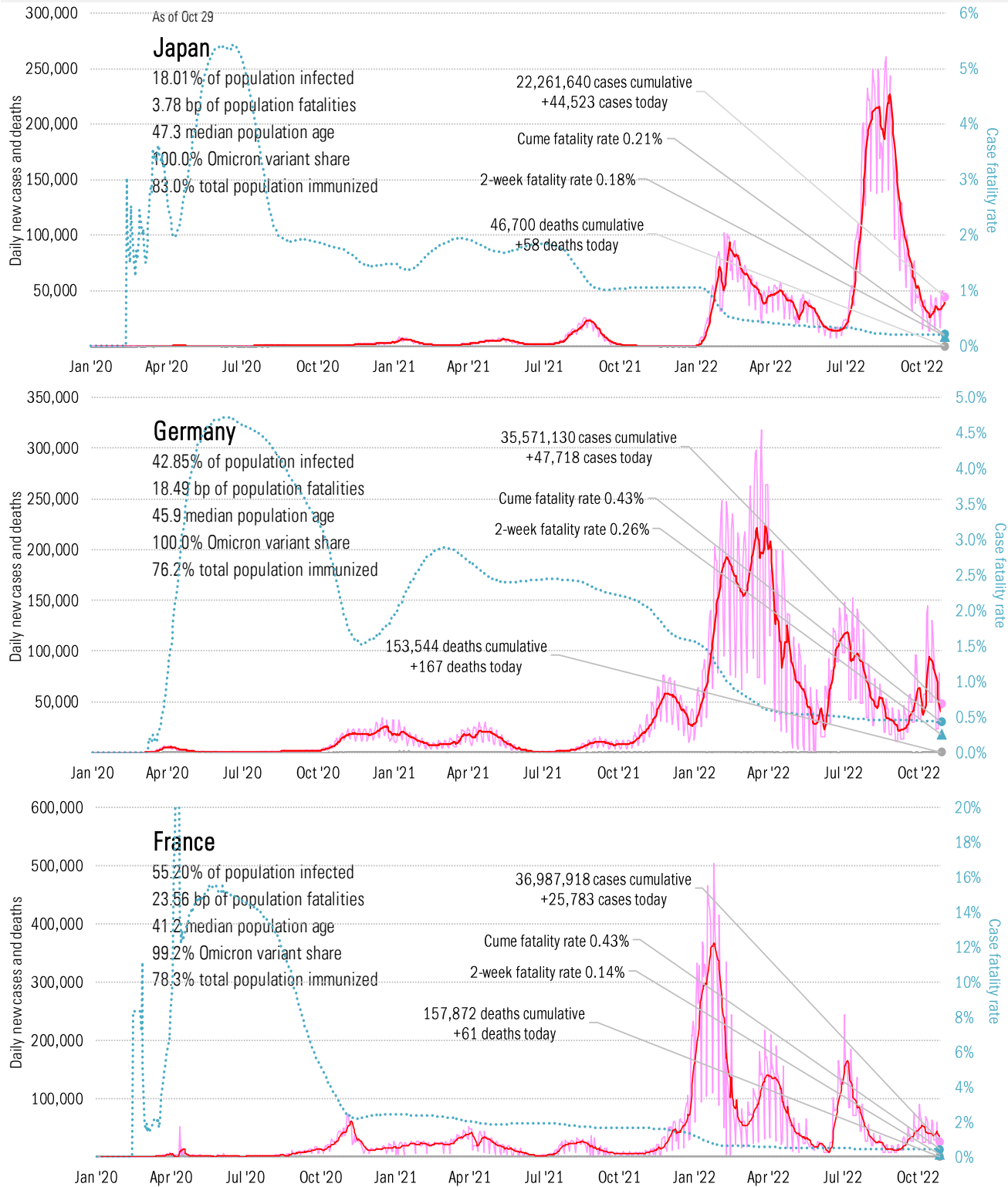


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

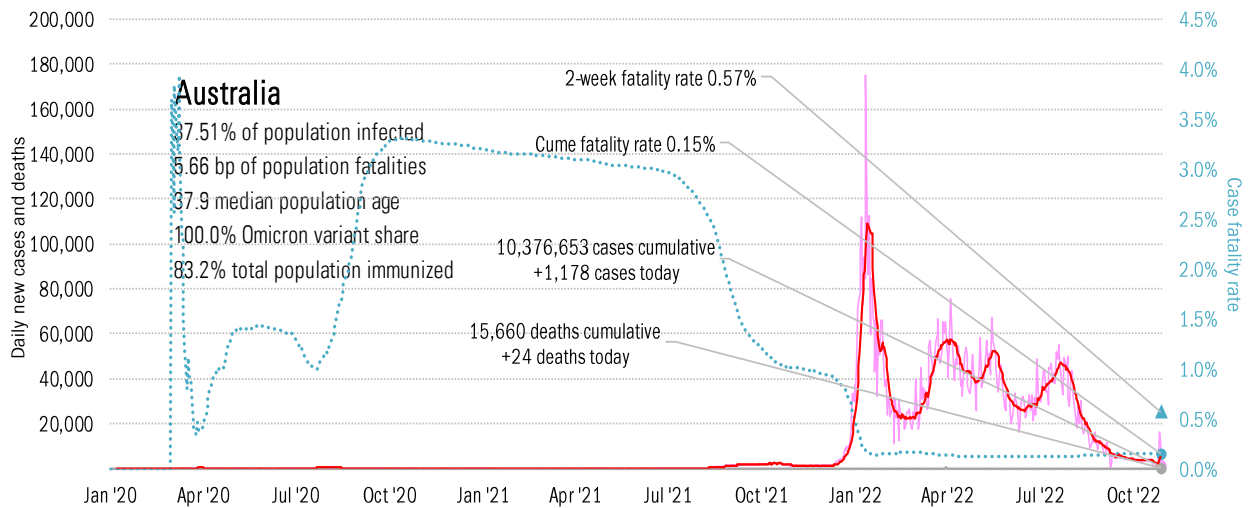
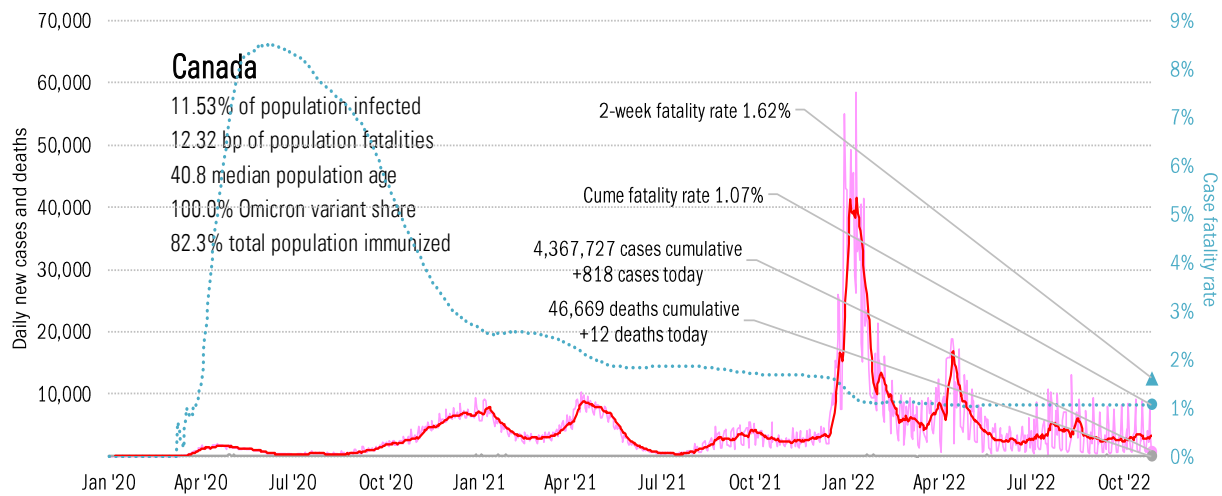
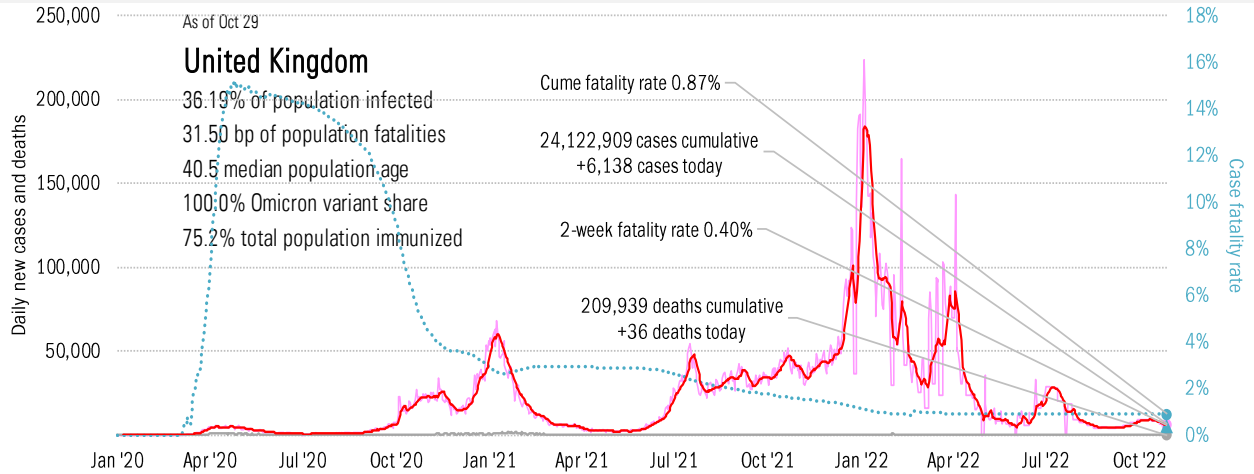
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

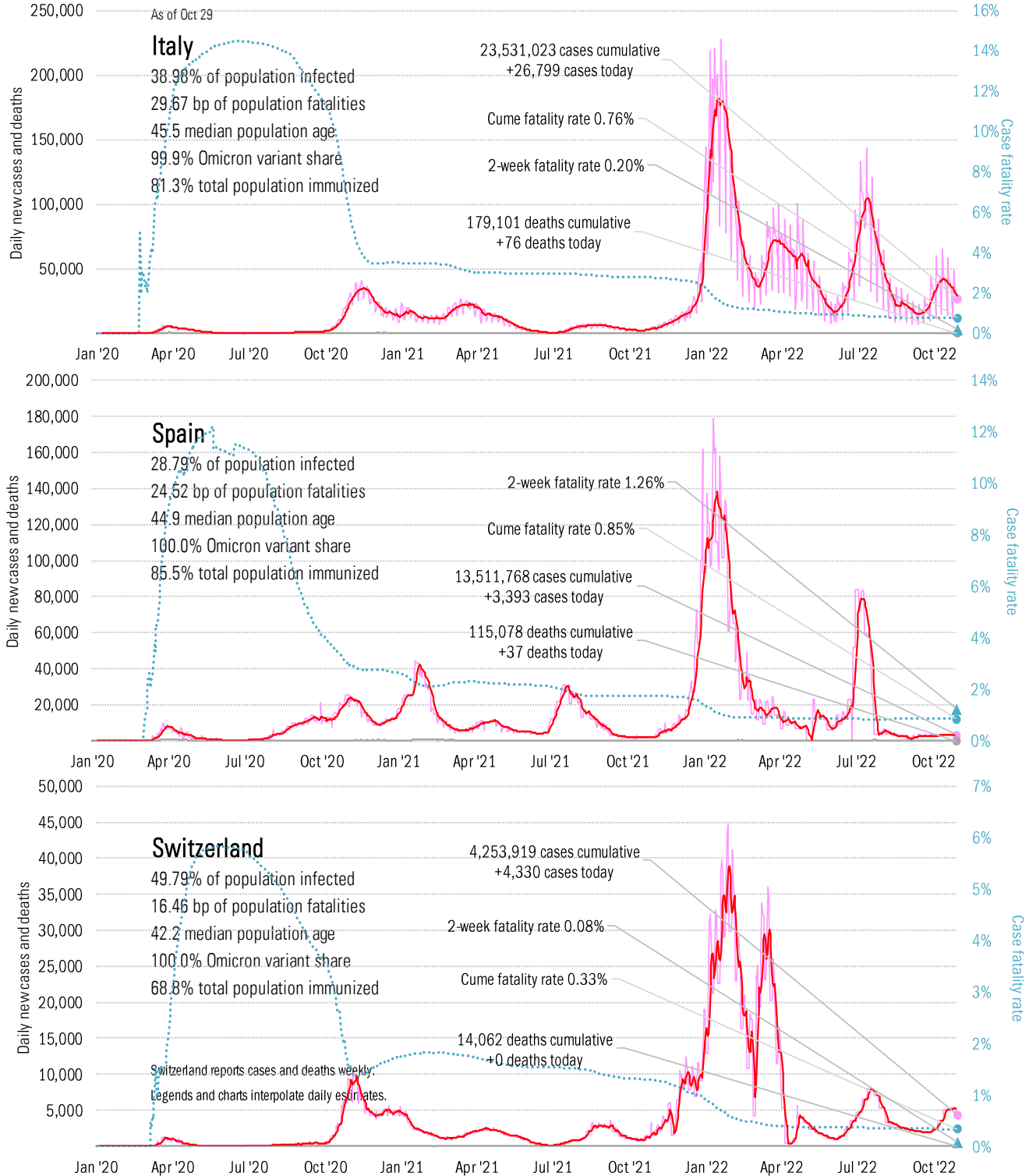
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

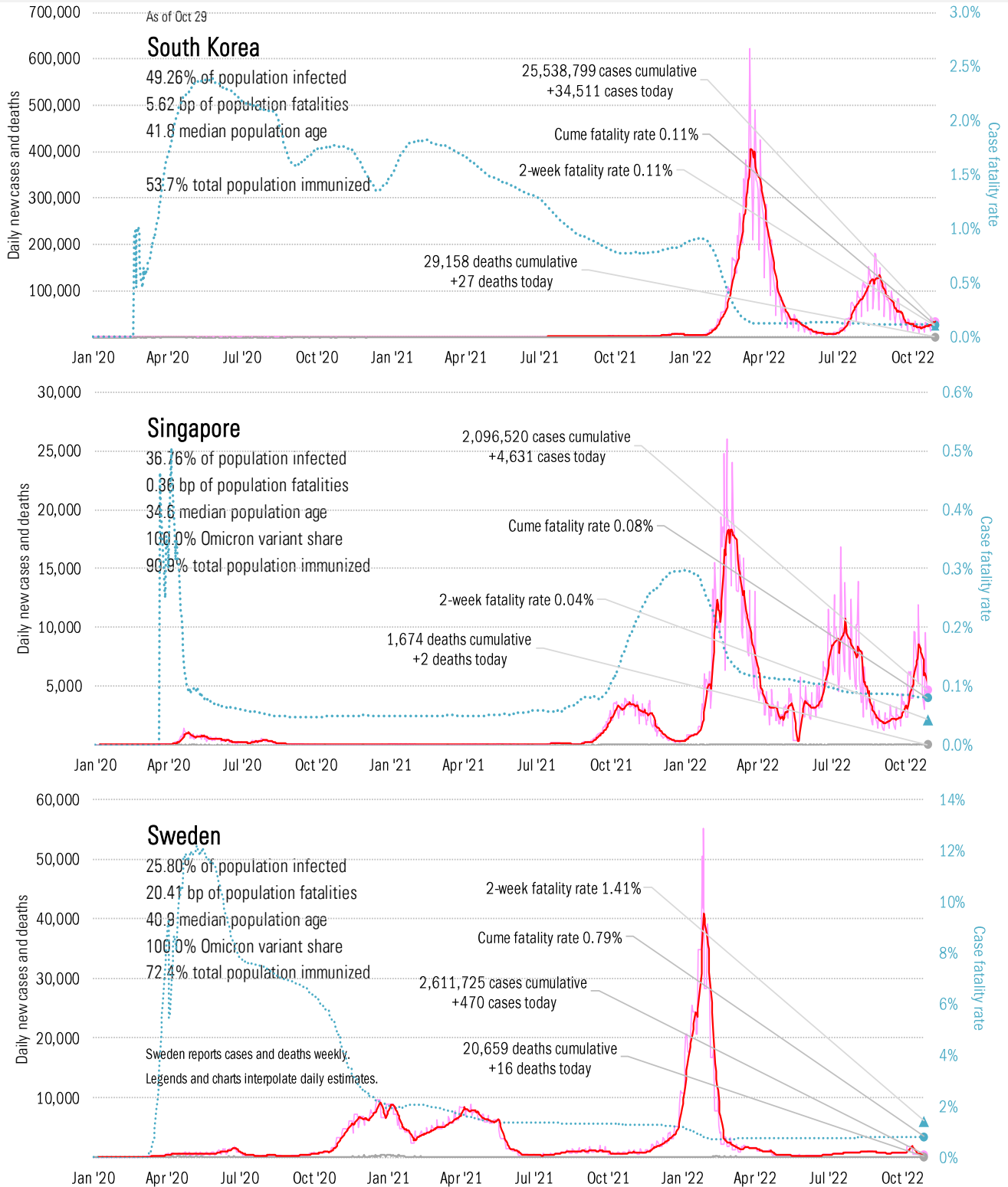
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

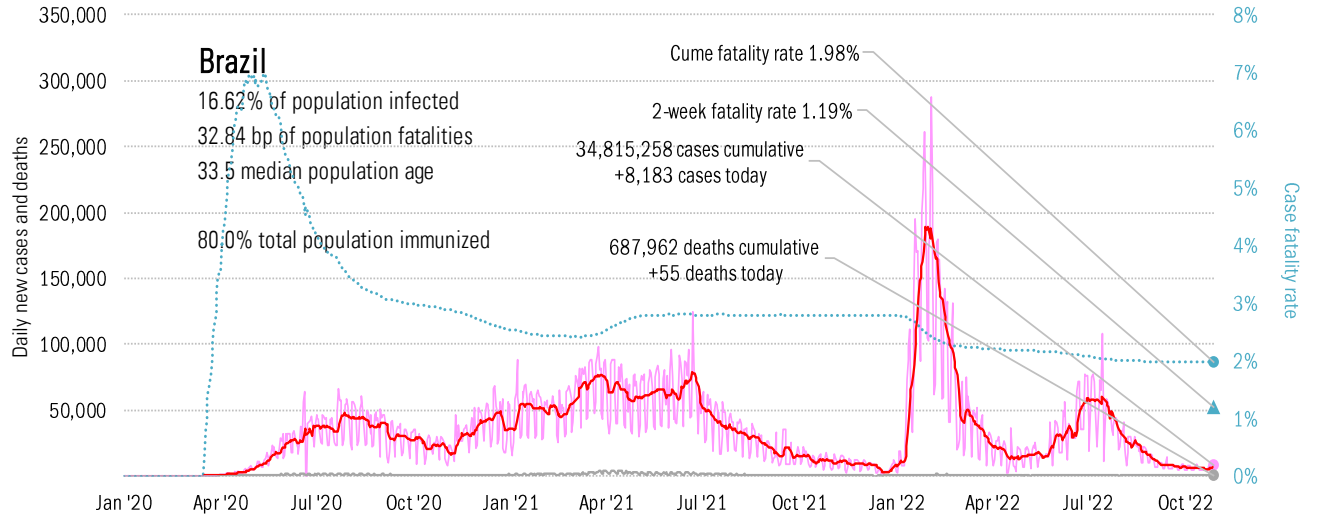
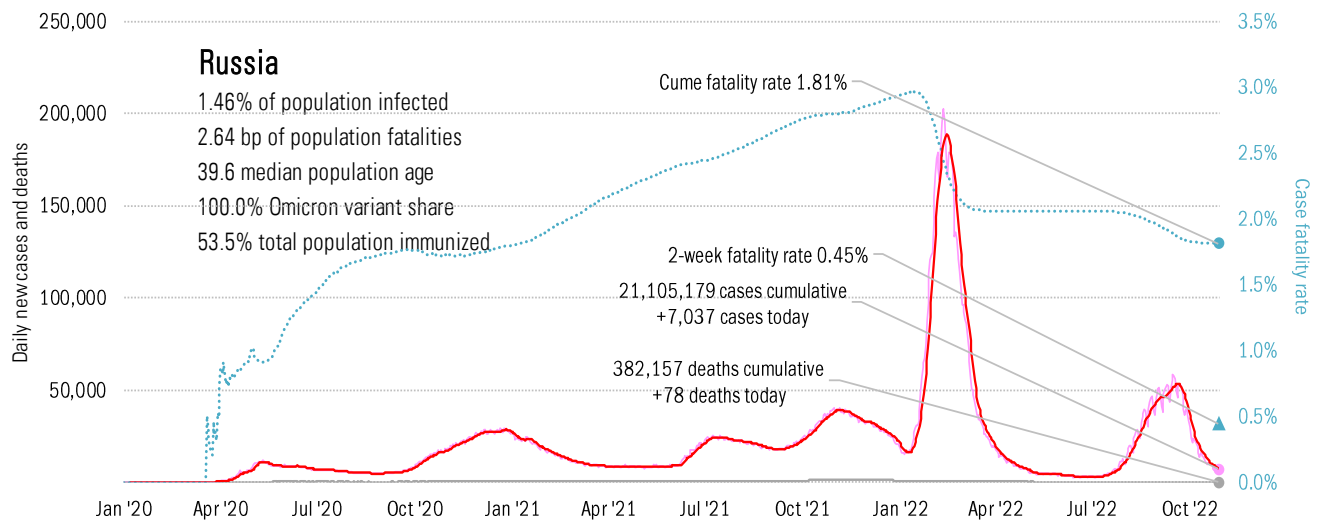
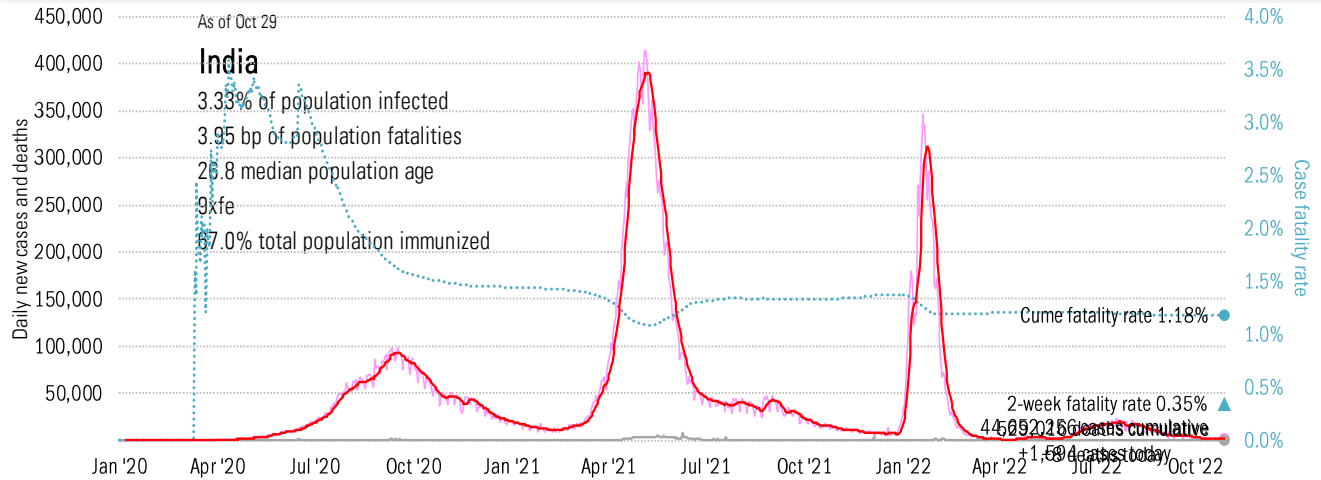
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

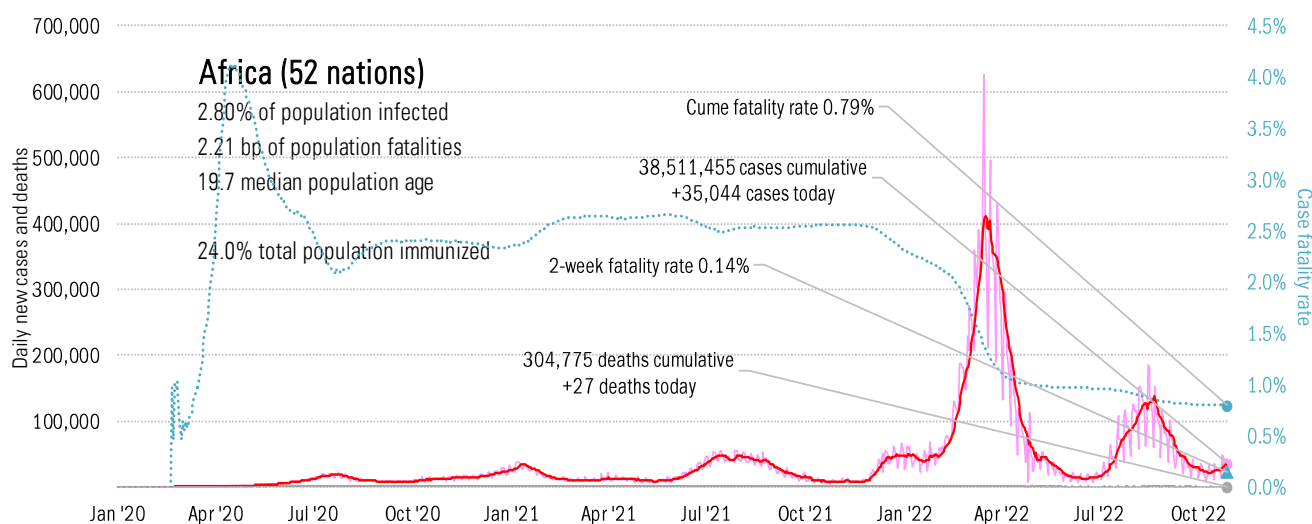
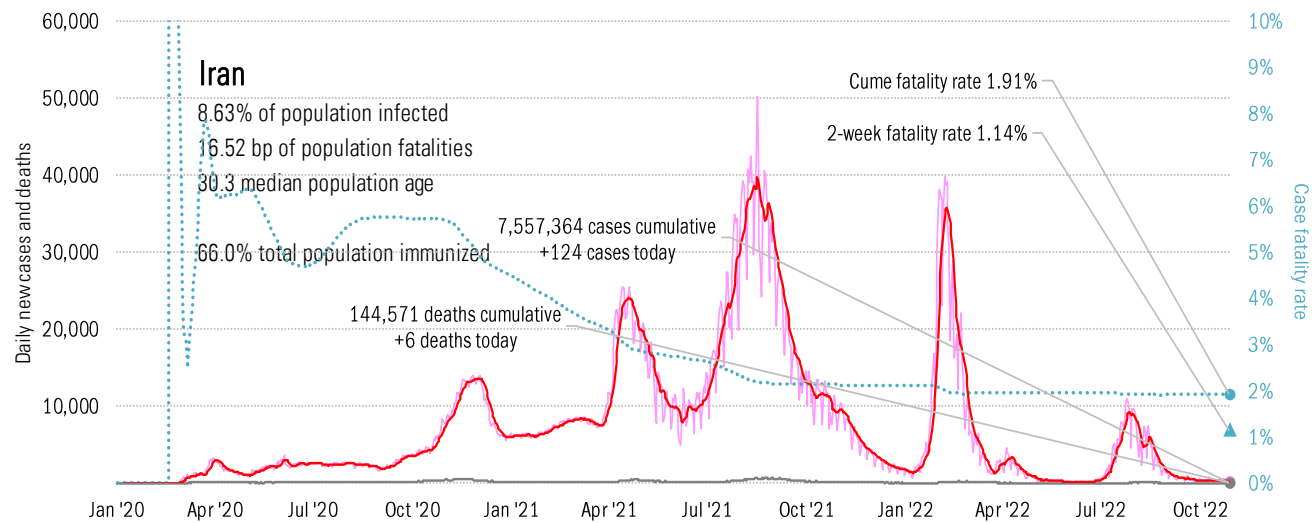
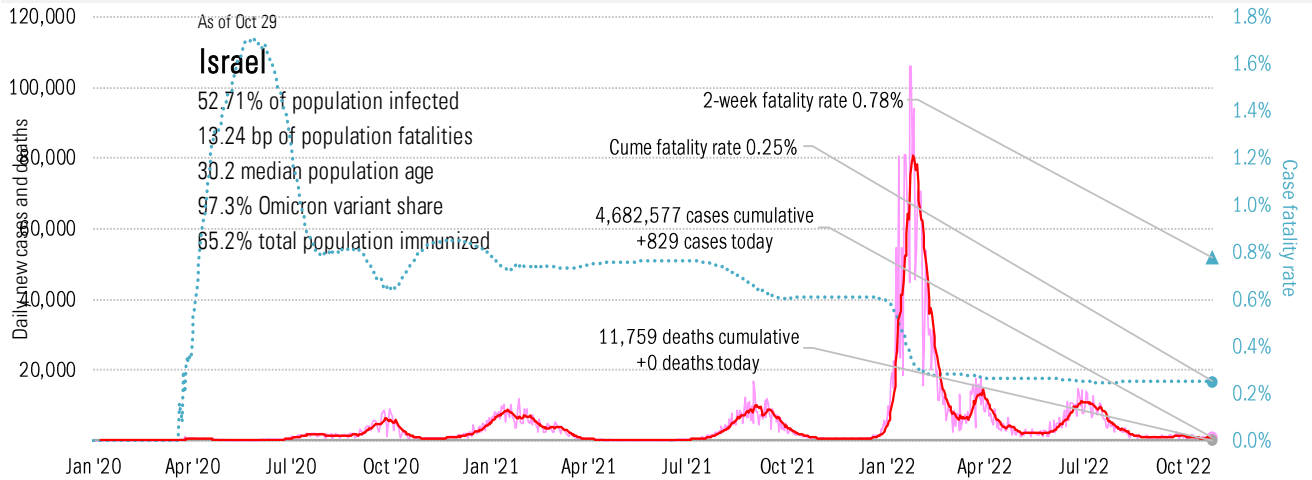
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

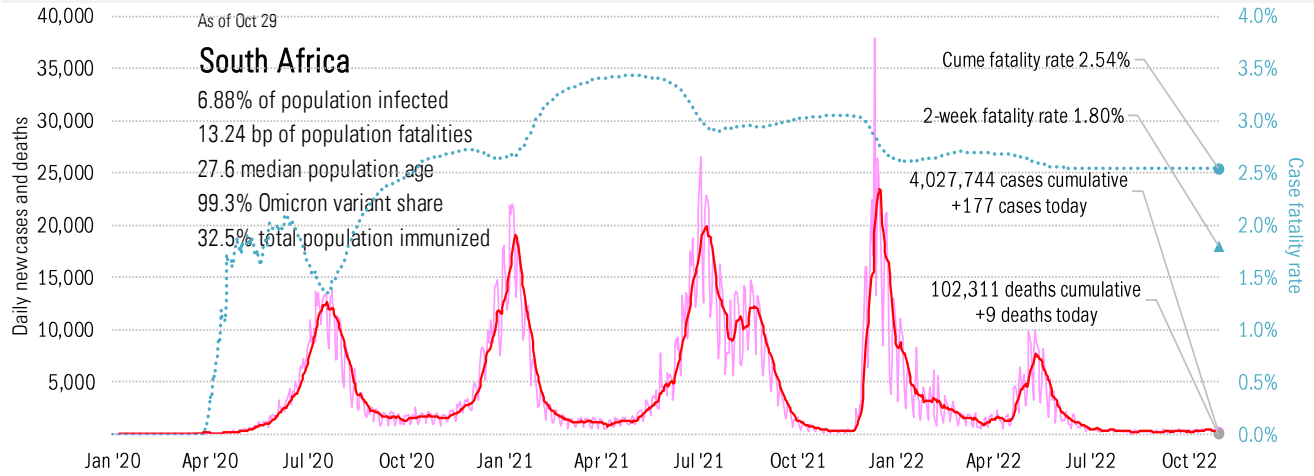
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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