

## Data Insights: Covid-2019 Monitor

Friday, October 28, 2022

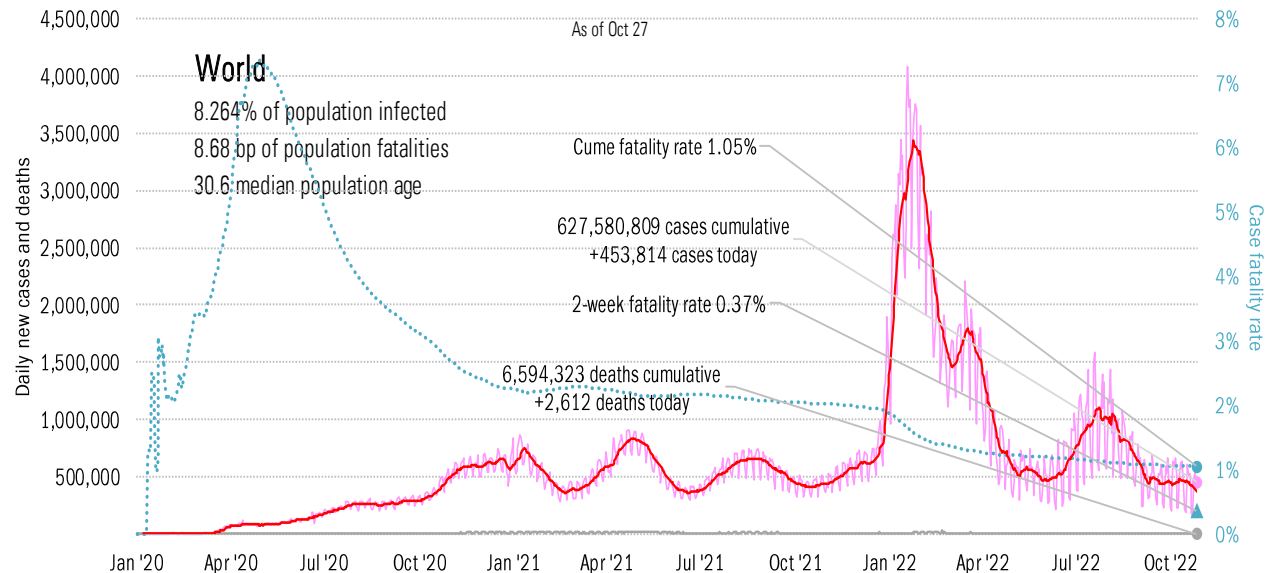
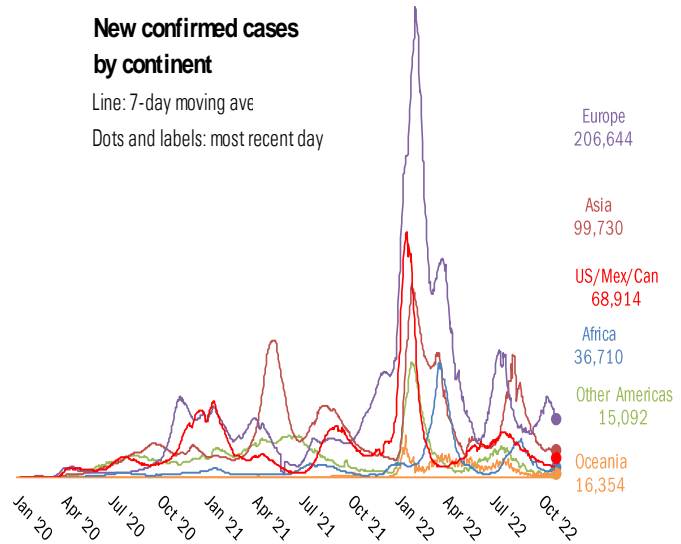
### The global scorecard

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

#### The worst ten countries

New cases		New Deaths	
Germany	61,492	United Kingdom	711
United Kingdom	42,963	United States	536
Japan	42,737	Germany	184
United States	42,134	Finland	161
France	37,089	Canada	157
Korea, South	35,887	Sweden	97
Taiwan*	35,657	Italy	94
Italy	31,758	Taiwan*	84
Australia	16,347	Russia	82
Finland	13,419	France	71
<b>359,483</b>		<b>2,177</b>	
World	453,814	World	2,612
Top ten	79%	Top ten	83%

#### New confirmed cases by continent



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

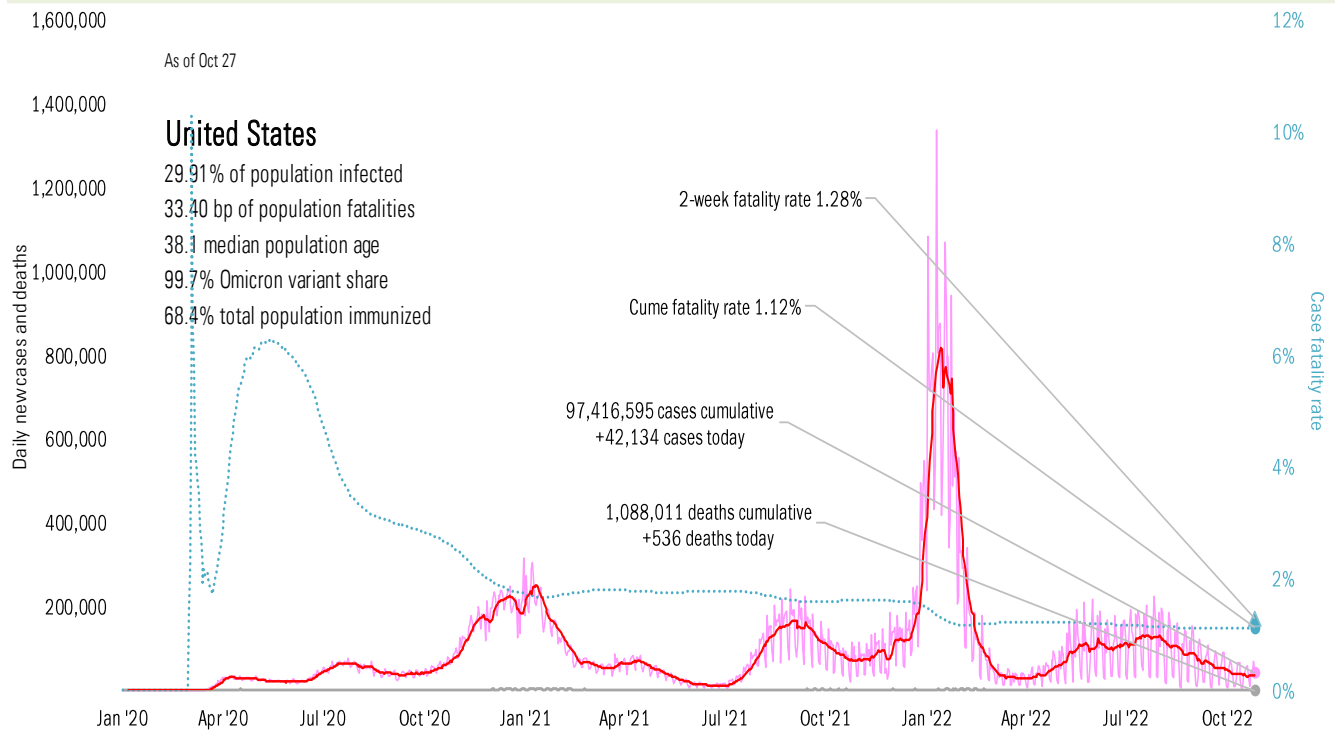
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use		
NY	5,785		CA	138		CH	207		CA	11,362,031		CA	96,886		TX	550,263		RI	92%		RI	90%
CA	3,923		NY	31		PA	215		TX	8,032,028		TX	91,140		CA	506,864		MA	89%		TX	88%
FL	2,865		AL	25		FL	189		FL	7,199,396		FL	82,354		FL	498,348		MN	87%		MA	88%
NC	2,369		MI	23		NJ	184		NY	6,235,043		NY	73,171		NY	309,060		GA	87%		VT	86%
NJ	2,029		WA	22		CA	291		IL	3,806,232		PA	47,705		GA	227,629		MO	86%		AK	86%
MI	1,738		IL	21		AL	48		PA	3,304,816		GA	40,626		CH	222,323		WA	84%		AL	86%
PA	1,683		PA	18		MA	147		NC	3,237,440		CH	40,178		PA	208,455		MD	84%		NE	85%
CH	1,666		WI	17		WI	105		CH	3,185,038		IL	39,968		IL	190,456		WV	84%		KY	82%
IL	1,567		VA	16		CT	79		GA	2,920,663		MI	39,250		MI	166,240		DE	84%		DC	82%
VA	1,302		FL	16		NC	86		MI	2,886,176		NJ	34,889		KY	146,266		MI	84%		NC	82%
24,927			326			1,551			52,168,863			586,167			3,025,904							
All states	42,134			536			3,597		All states	97,416,595			1,088,011			5,493,068		All states	70%			67%
Top ten	59%			61%			43%		Top ten	54%			55%			55%		Median	79%			75%

Some states not reporting

## Five most improved US states

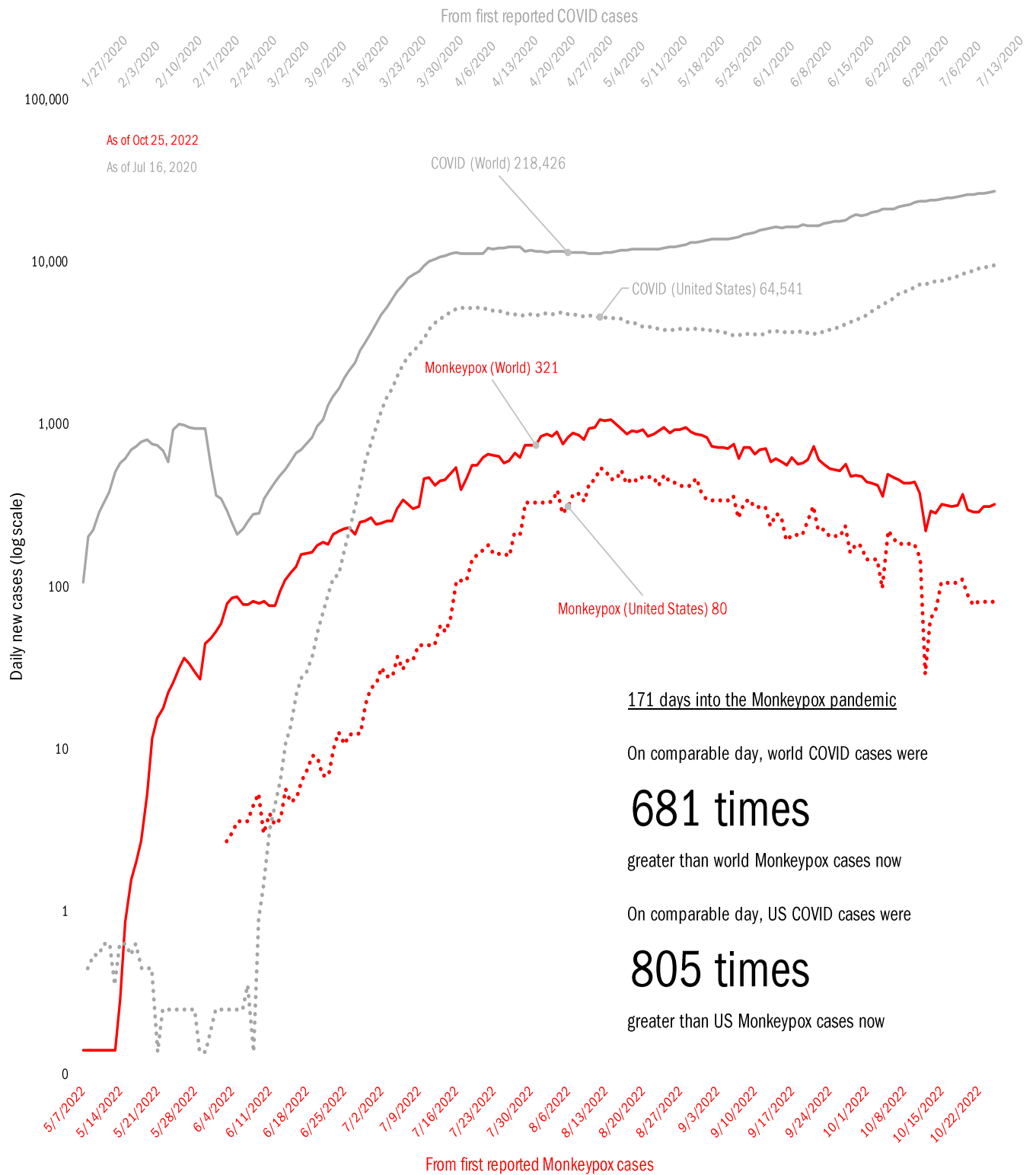
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
TX	-2,878	NY	-426	NY	-45
IL	-837	TX	-17	IN	-31
WI	-106	NM	-7	NH	-25
NH	-39	AR	-3	NM	-24
ME	-13	ME	-2	VA	-21



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

# The Monkeypox contextualizer

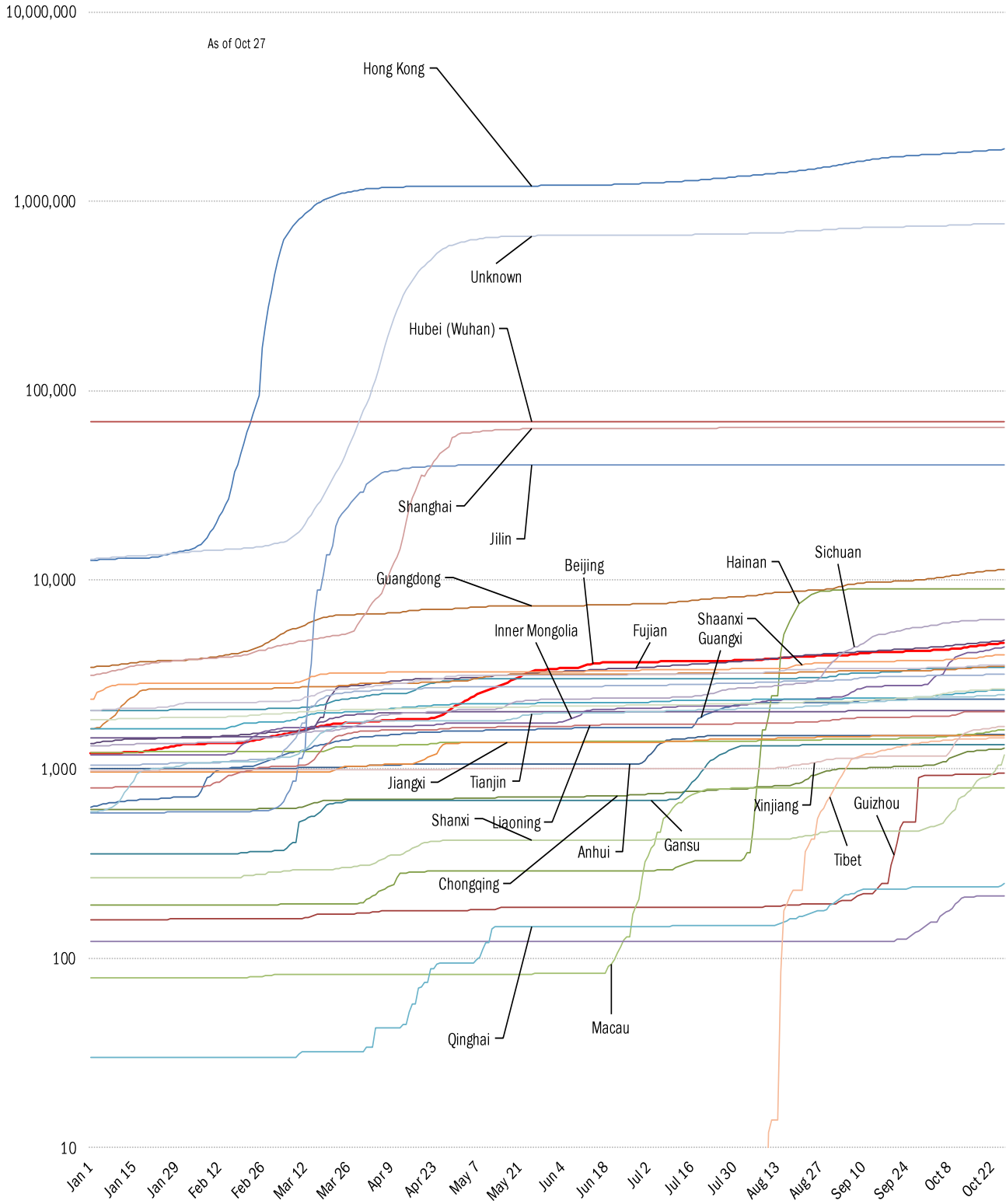
## The course of case growth versus COVID



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"*

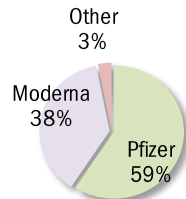


Source: [Johns Hopkins](#), TrendMacro calculations

# 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%



AK	72.0%
	64.4%

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

Best
Middle
Worst

"Immunity" = two doses

WI	73.9%
	67.3%

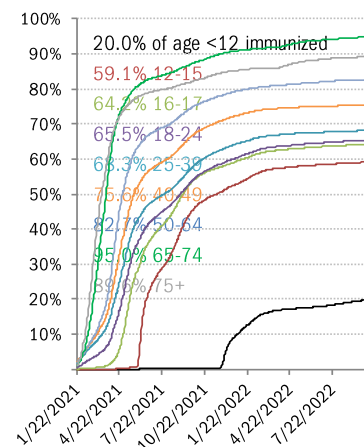
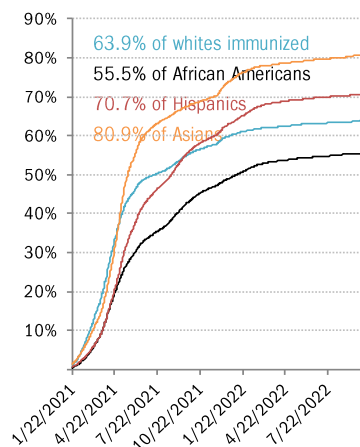
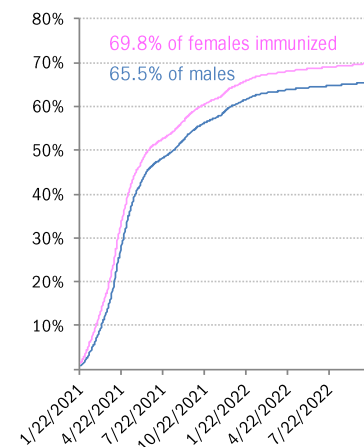
As of Oct 21

ME	94.6%
	82.1%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
83.7%	63.0%	67.2%	68.0%	77.5%	78.1%	68.6%	92.9%	95.0%	84.8%	
74.8%	55.7%	58.4%	57.4%	71.0%	70.3%	61.6%	79.4%	83.9%	69.7%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
80.2%	77.6%	59.8%	81.0%	69.7%	63.6%	64.9%	88.5%	93.2%	95.0%	
71.3%	62.6%	52.3%	64.6%	63.5%	57.2%	59.7%	71.5%	77.9%	82.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
85.2%	74.3%	82.2%	72.3%	68.2%	67.9%	66.7%	88.9%	90.0%	95.0%	95.0%
74.2%	65.9%	72.4%	65.3%	58.0%	58.9%	59.1%	75.4%	78.3%	81.8%	86.1%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
76.4%	91.7%	74.9%	68.8%	63.8%	89.2%	69.9%	95.0%	86.3%		
63.8%	73.7%	64.1%	56.1%	55.8%	65.0%	59.0%	82.1%	71.8%		
OK	LA	MS	AL	GA						
73.4%	62.3%	61.1%	64.3%	67.3%						
59.4%	54.6%	53.3%	52.5%	56.4%						
TX										
75.0%										
62.4%										
HI										
90.2%										
80.5%										
FL										
81.4%										
68.6%										
PR										
95.0%										
85.9%										

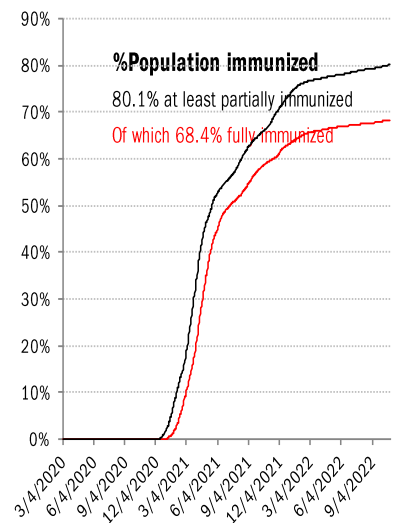
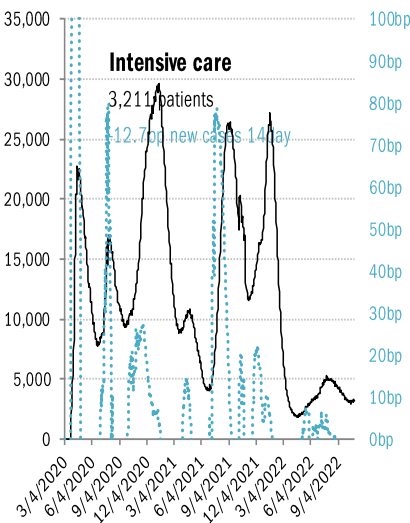
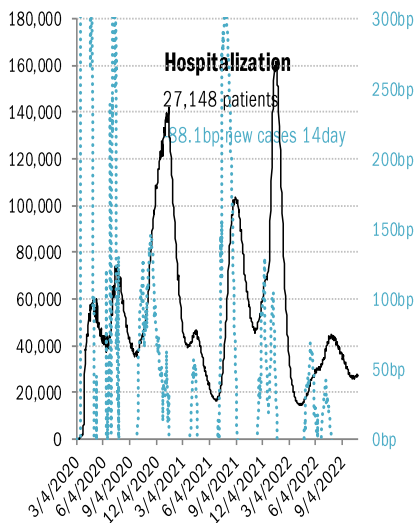
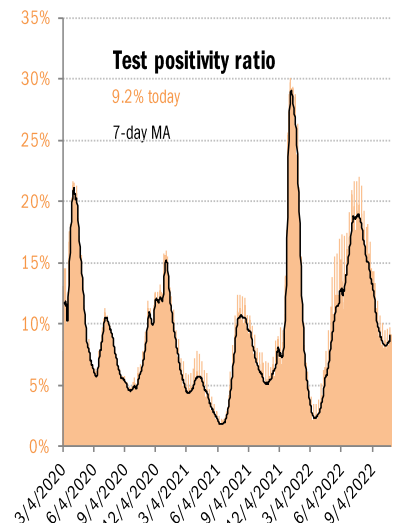
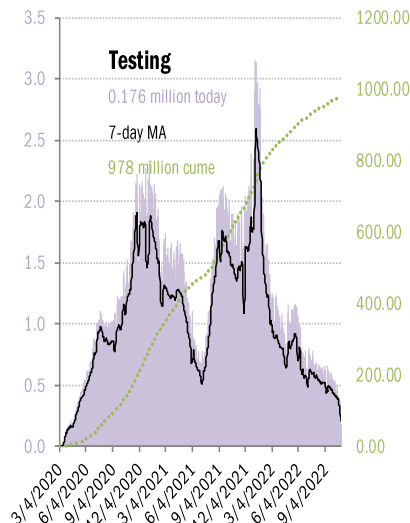
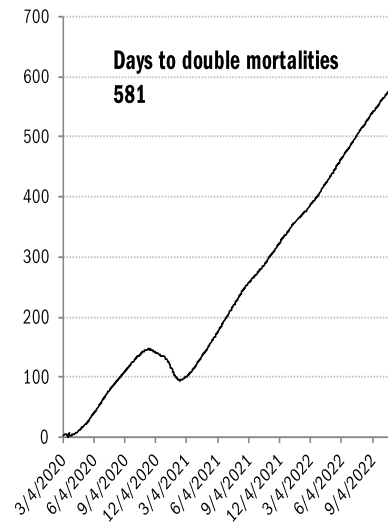
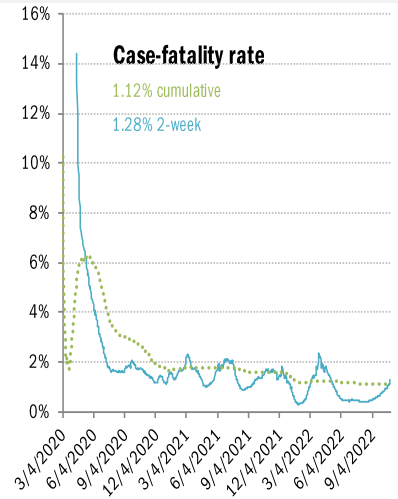
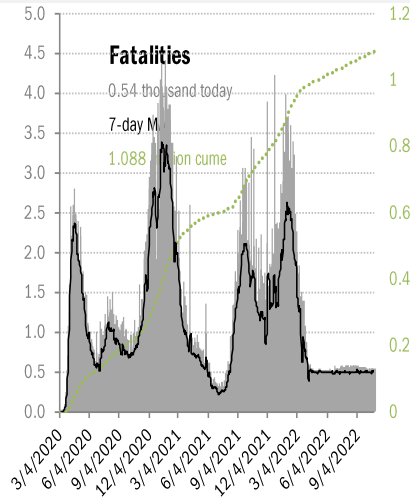
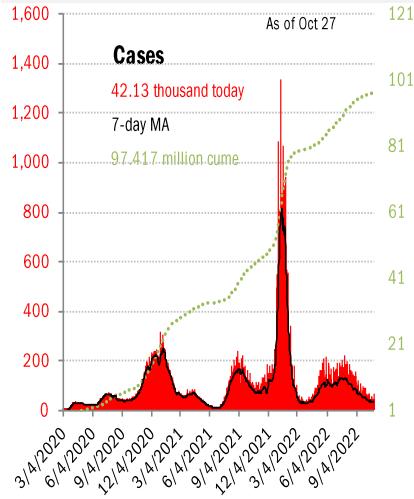
Global data differs due to sources, timing

## The demographics of US vaccination

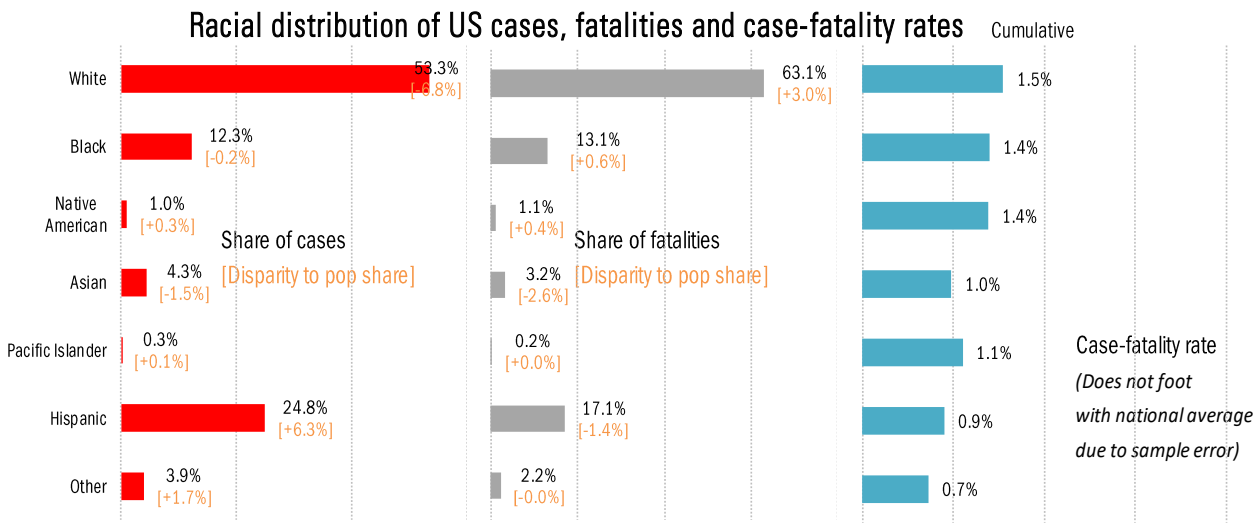
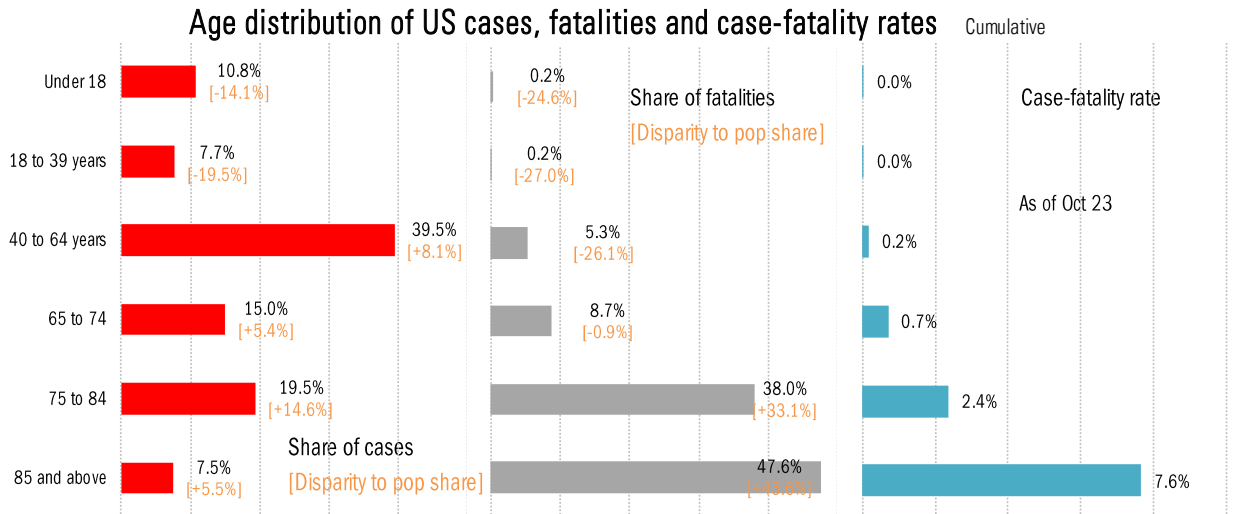


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

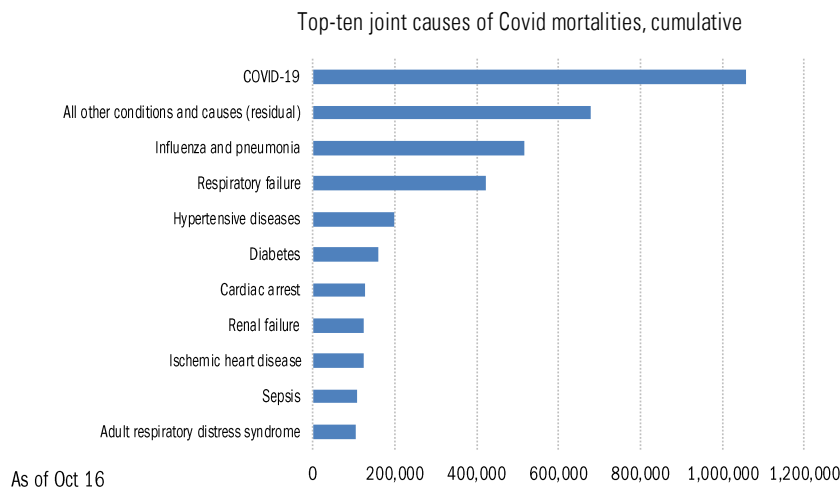
# US deep-dive



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

### [Musk Fires Top Twitter Executives After Closing \\$44 Billion Deal](#)

Kurt Wagner, Katie Roof, and Ed Hammond  
*Bloomberg*  
October 27, 2022

### [How Elon Musk Became a Geopolitical Chaos Agent](#)

Cade Metz, Adam Satariano and Chang Che  
*New York Times*  
October 27, 2022

### [Elon Musk Completes \\$44 Billion Deal to Own Twitter](#)

Kate Conger and Lauren Hirsch  
*New York Times*  
October 27, 2022

### [Amid the Pandemic, Progress in Catholic Schools](#)

Kathleen Porter-Magee  
*Wall Street Journal*  
October 27, 2022

### [Whatever CDC Says About COVID-19 Vaccinations for Kids, It's Up to States](#)

Robert E. Moffit  
*Heritage Foundation*  
October 26, 2022

### [Let a trillion tweets bloom](#)

Alex Berenson  
*Unreported Truths*  
October 27, 2022

## Meme of the day

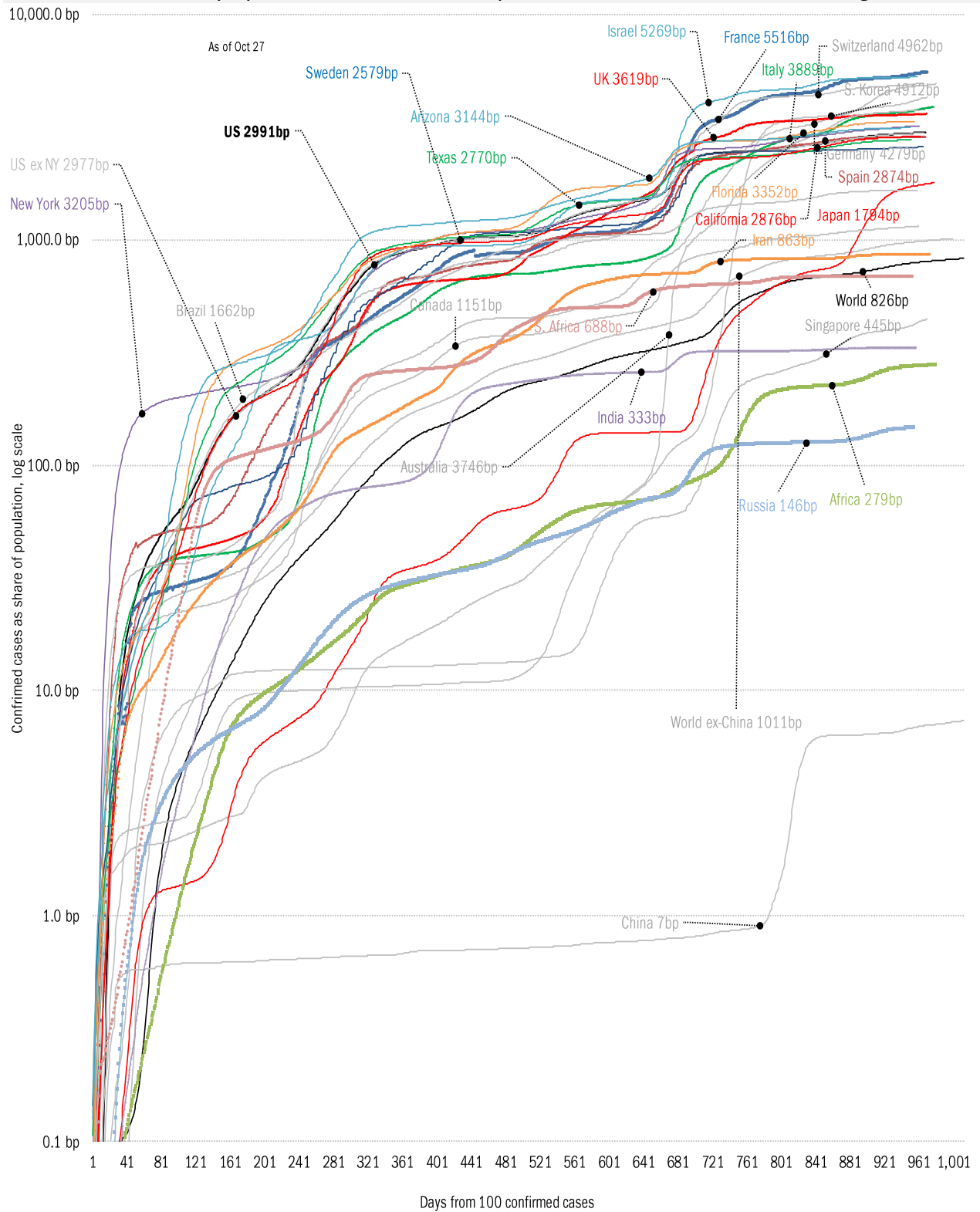
 LAS VEGAS REVIEW-JOURNAL  
2022 @CREATORS.COM



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

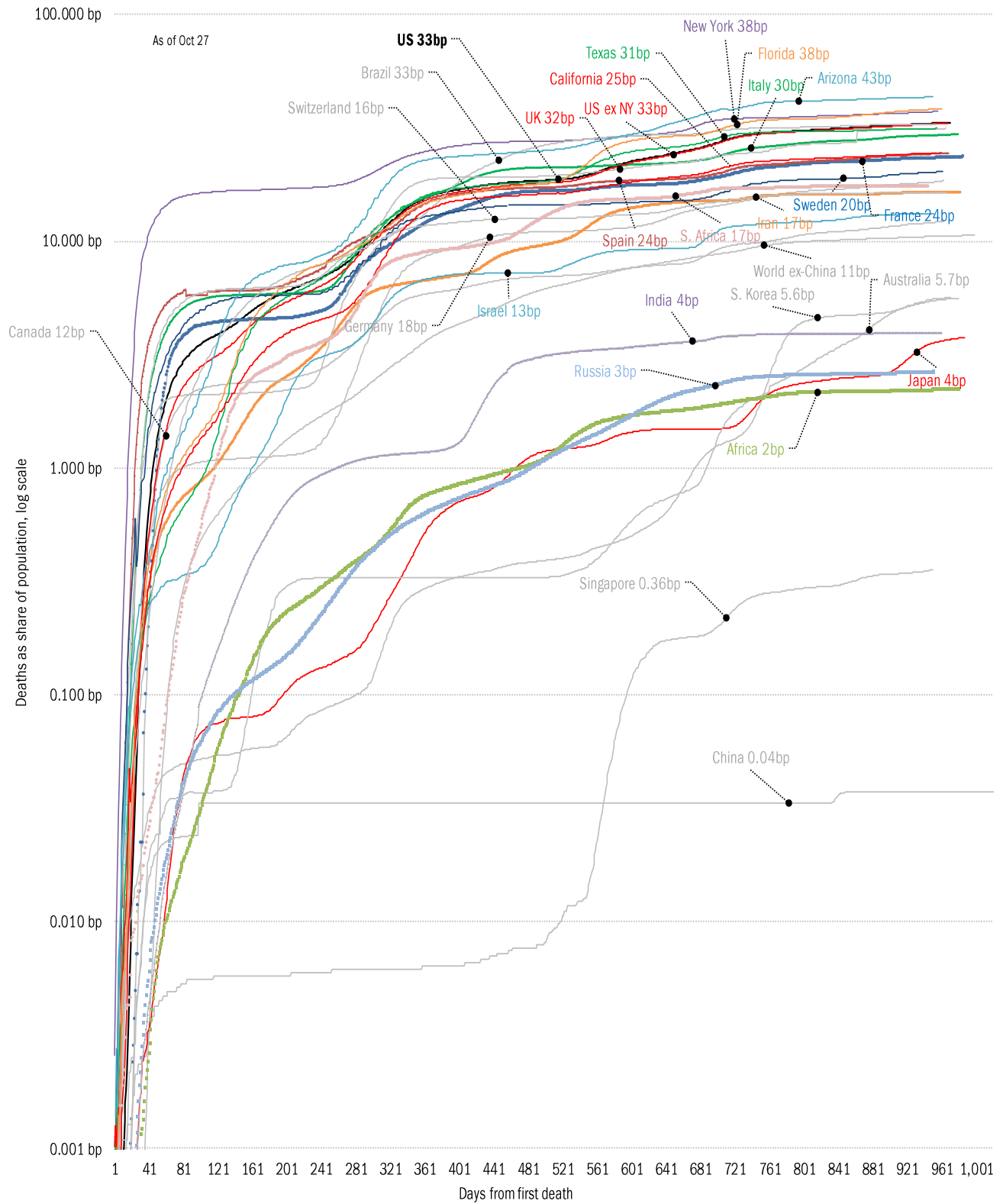


The global coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

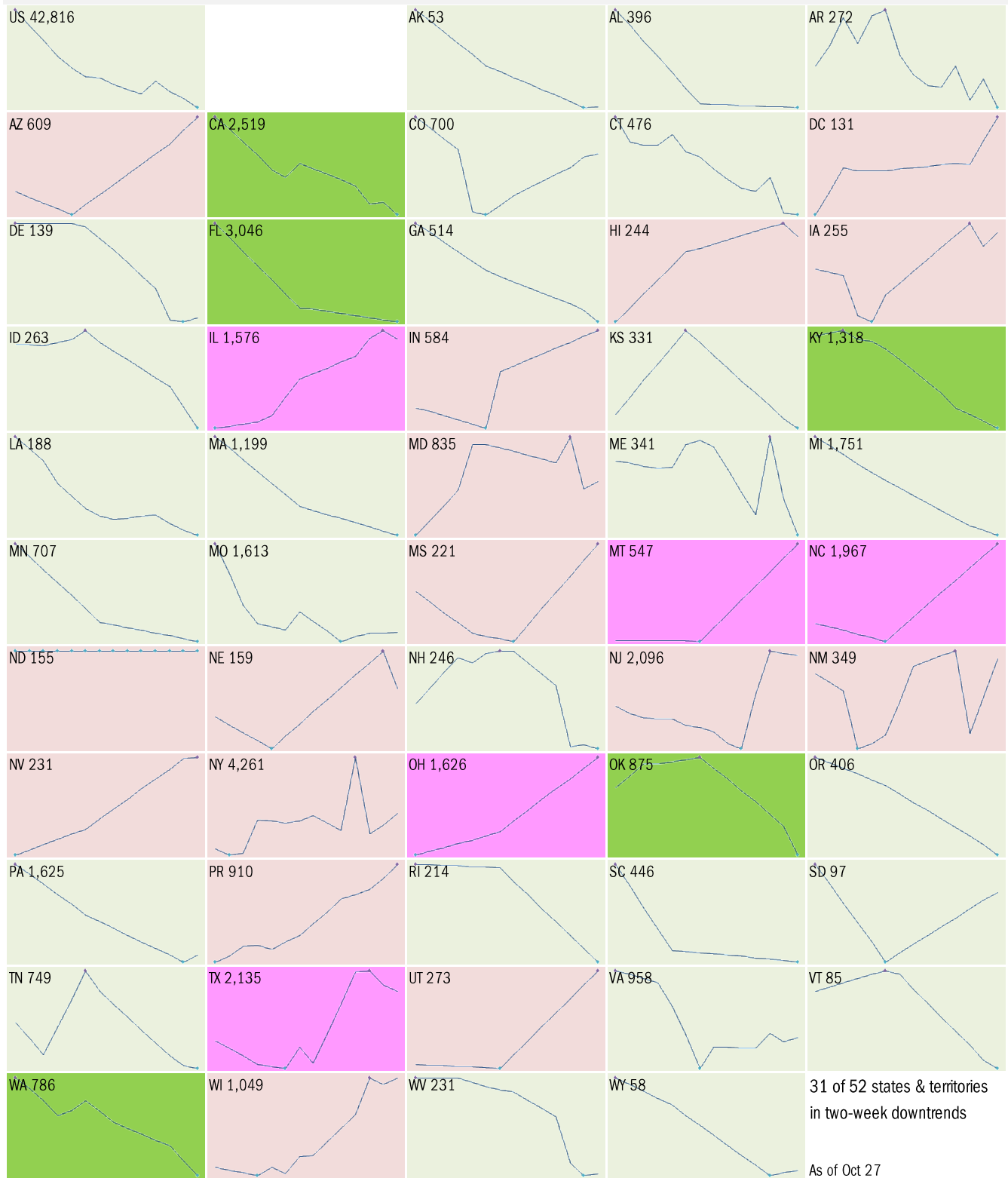


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

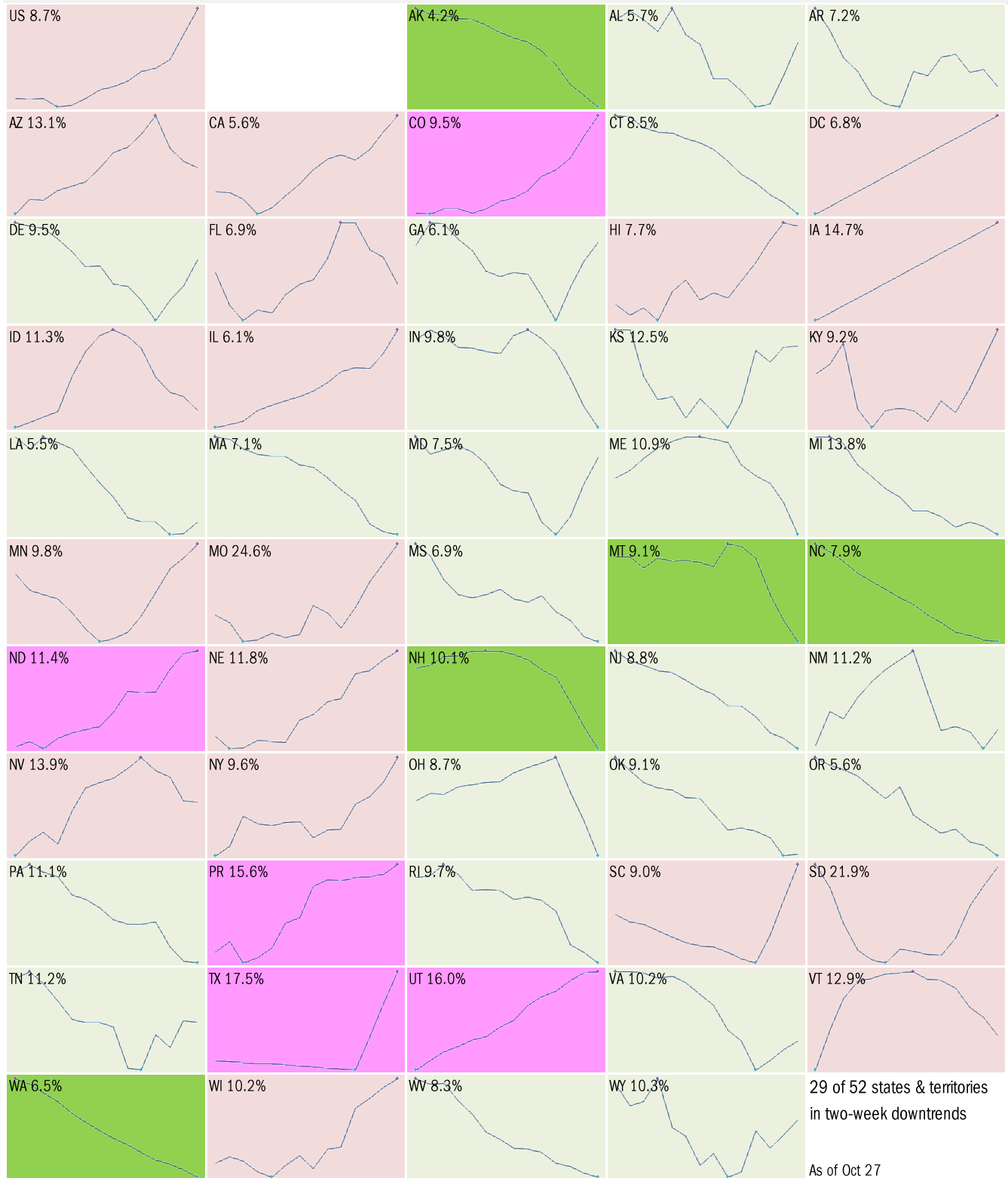


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

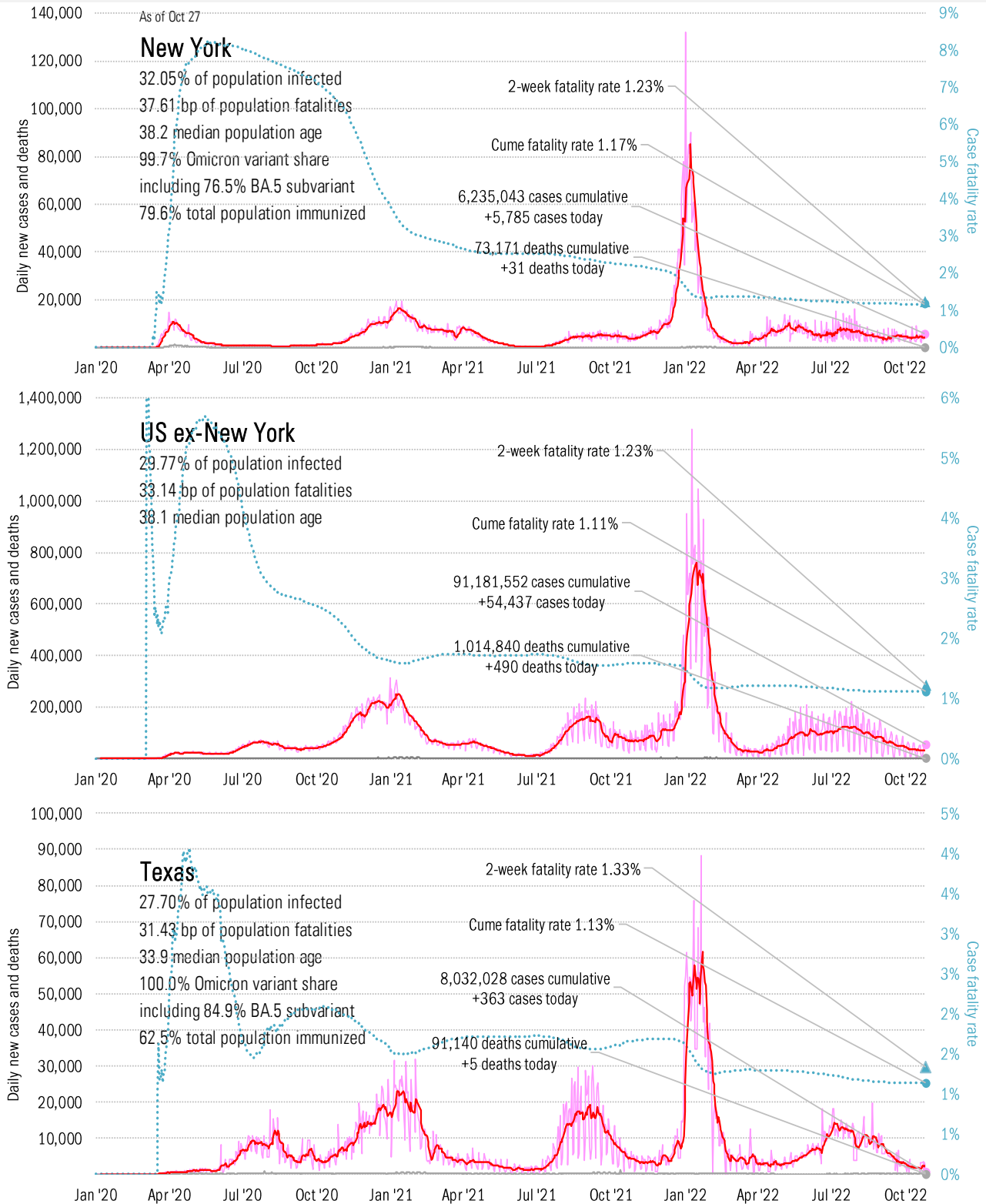
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

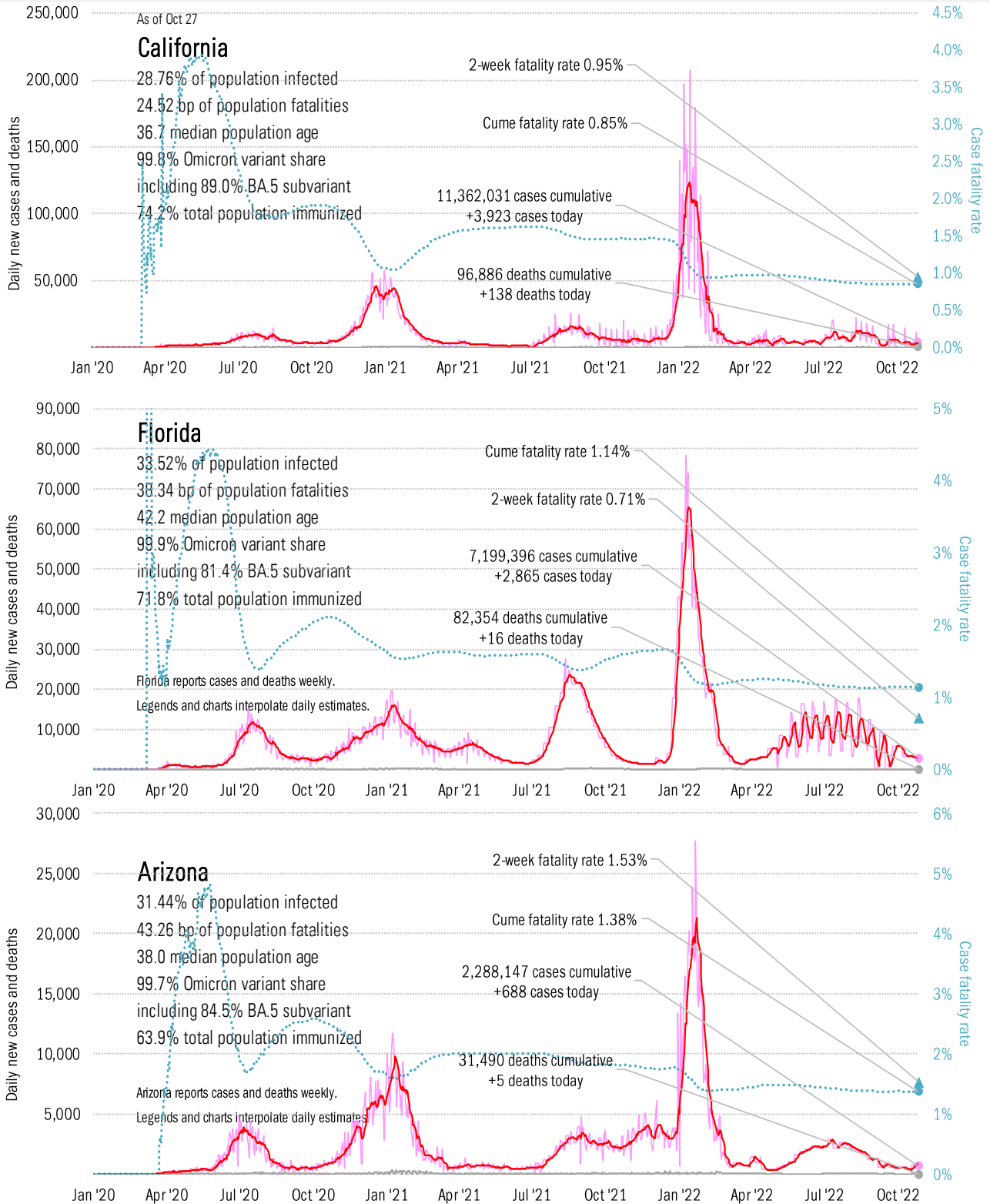
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

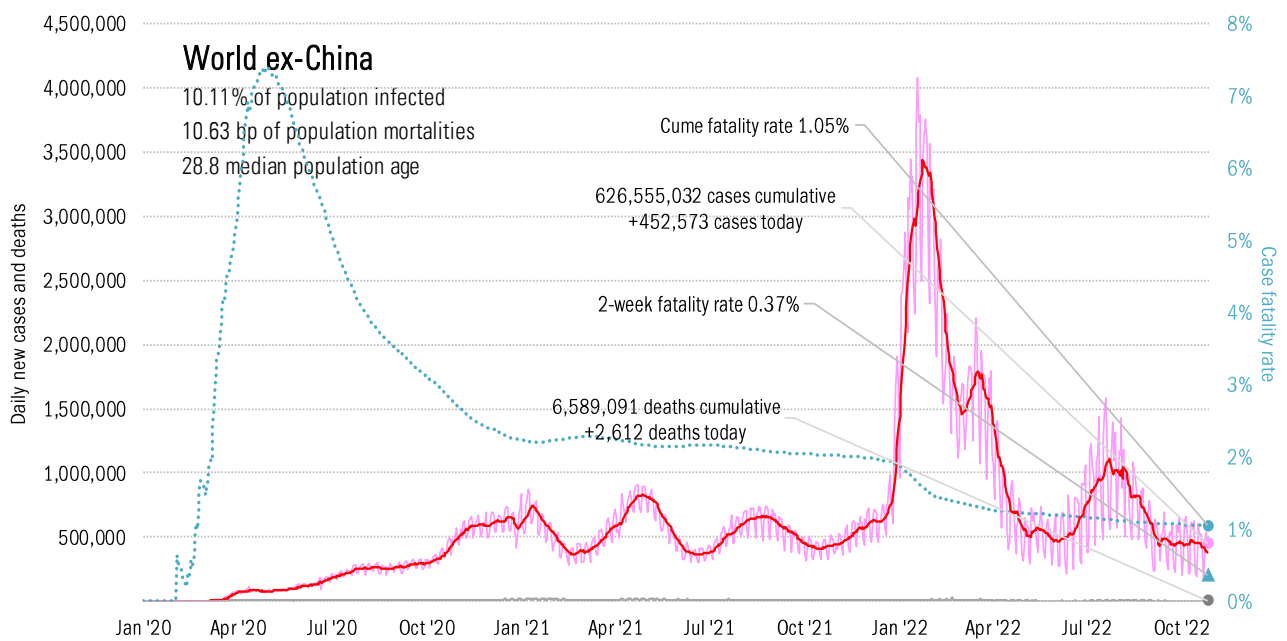
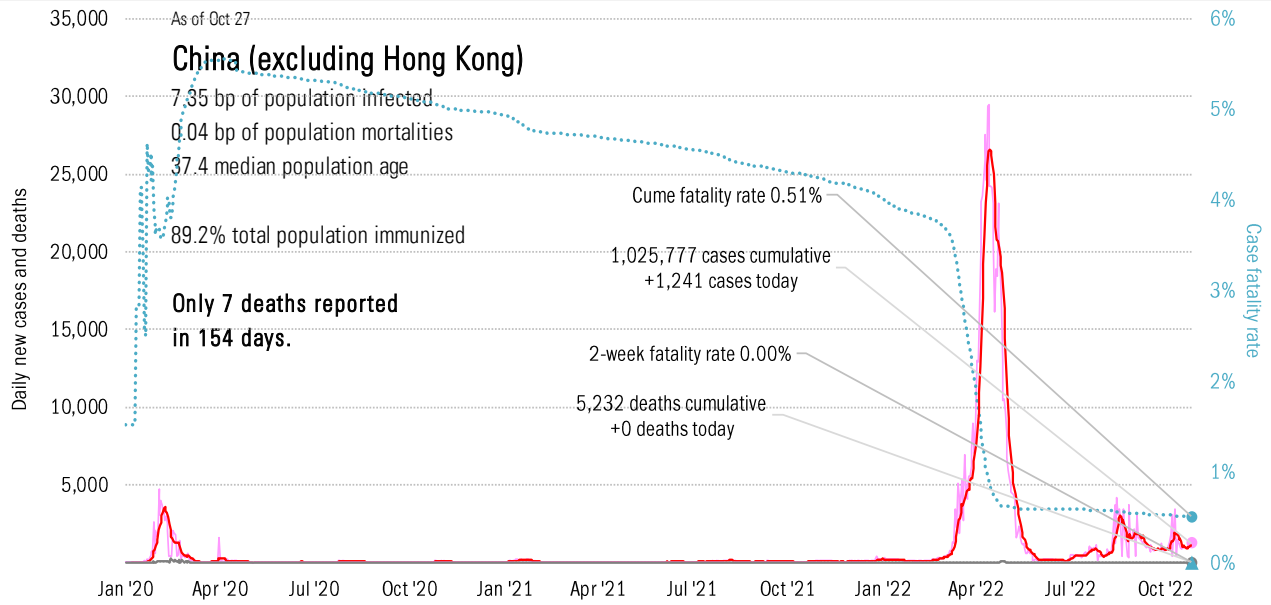
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

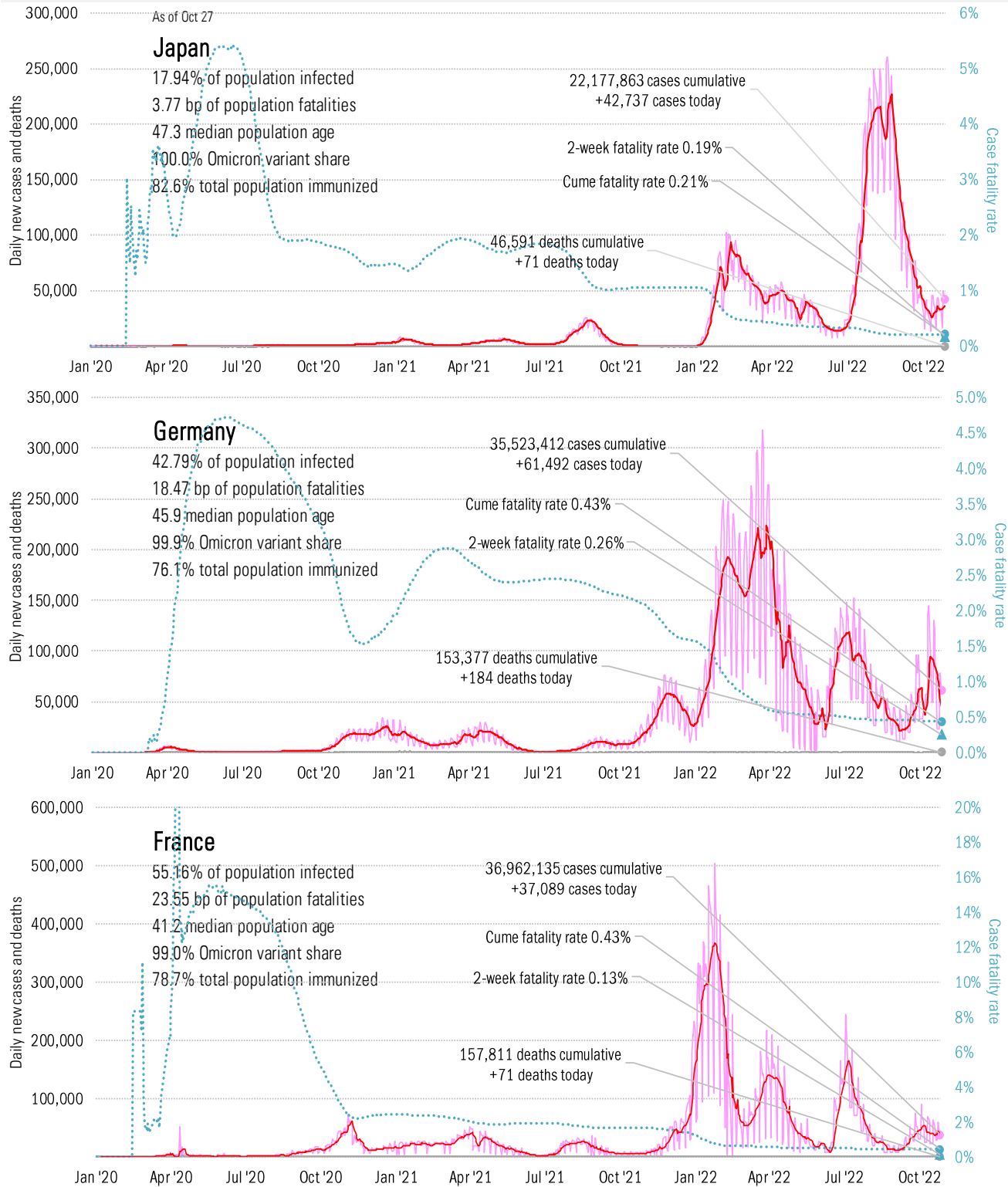


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

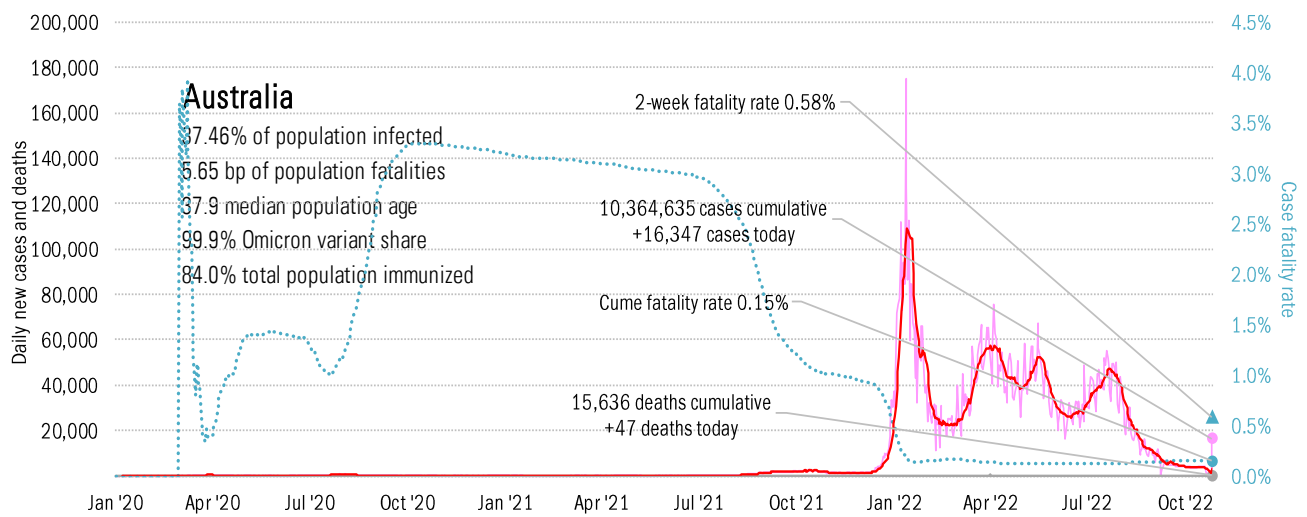
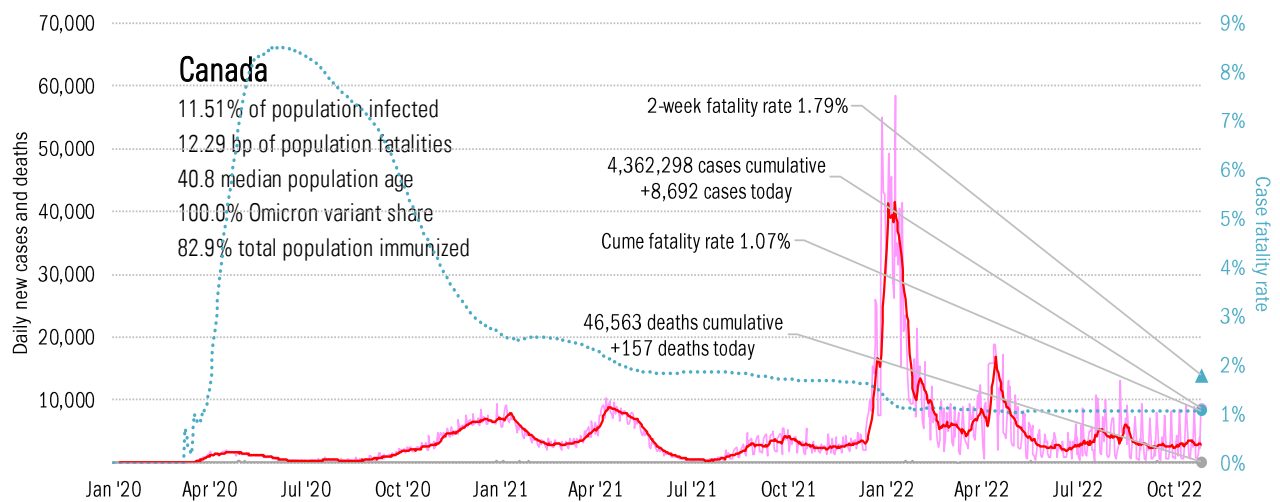
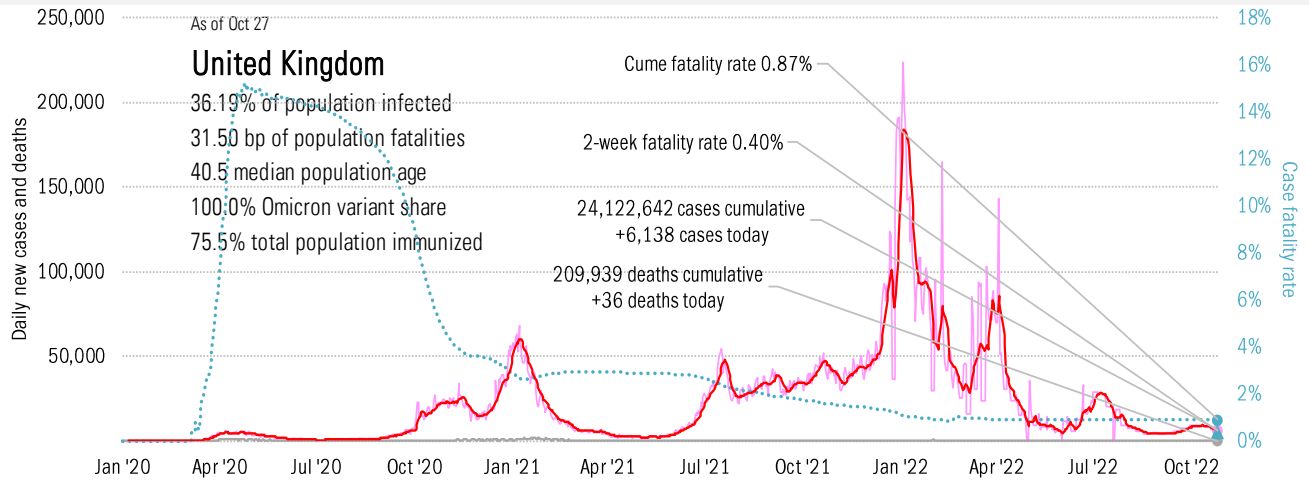
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

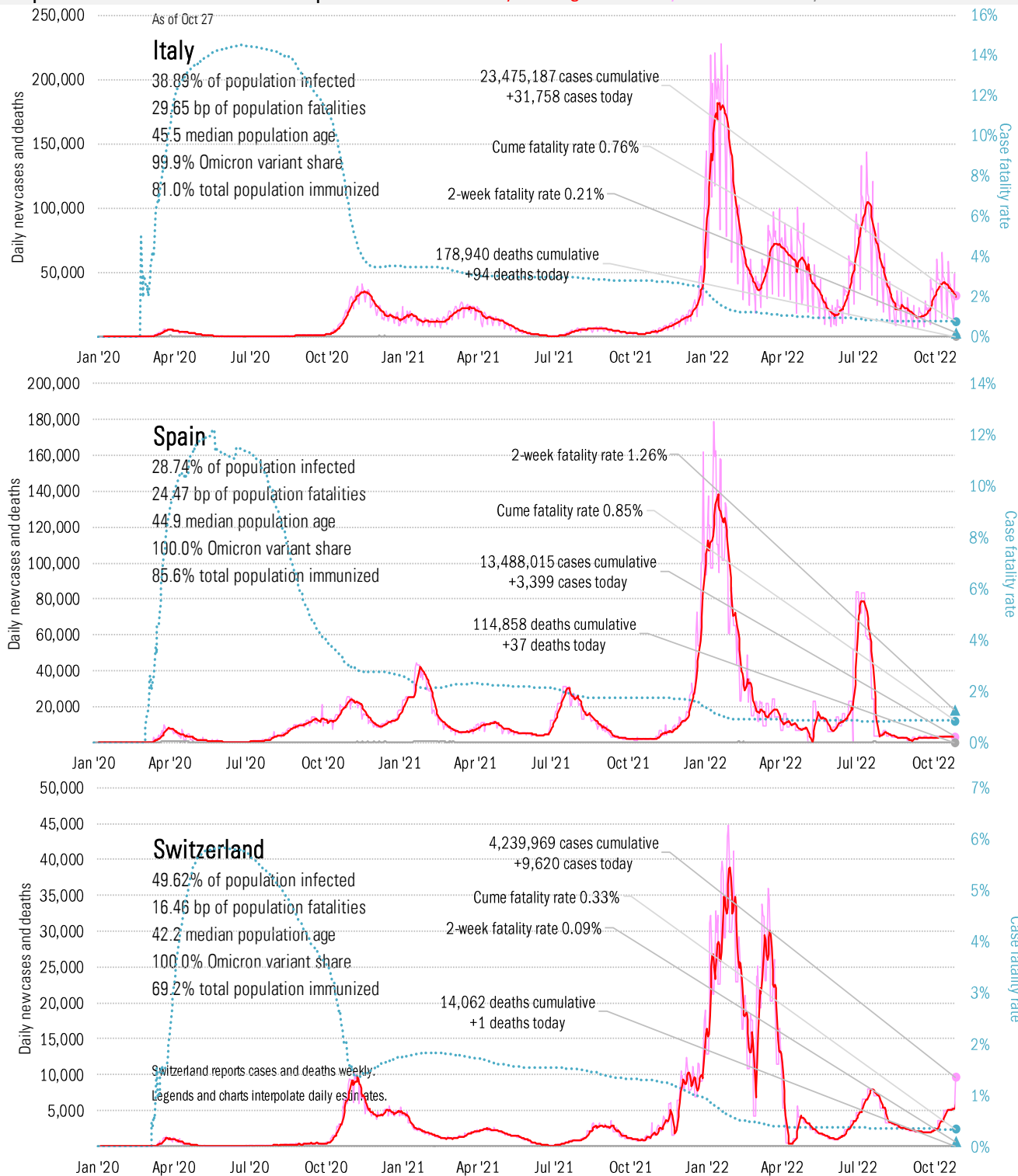
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

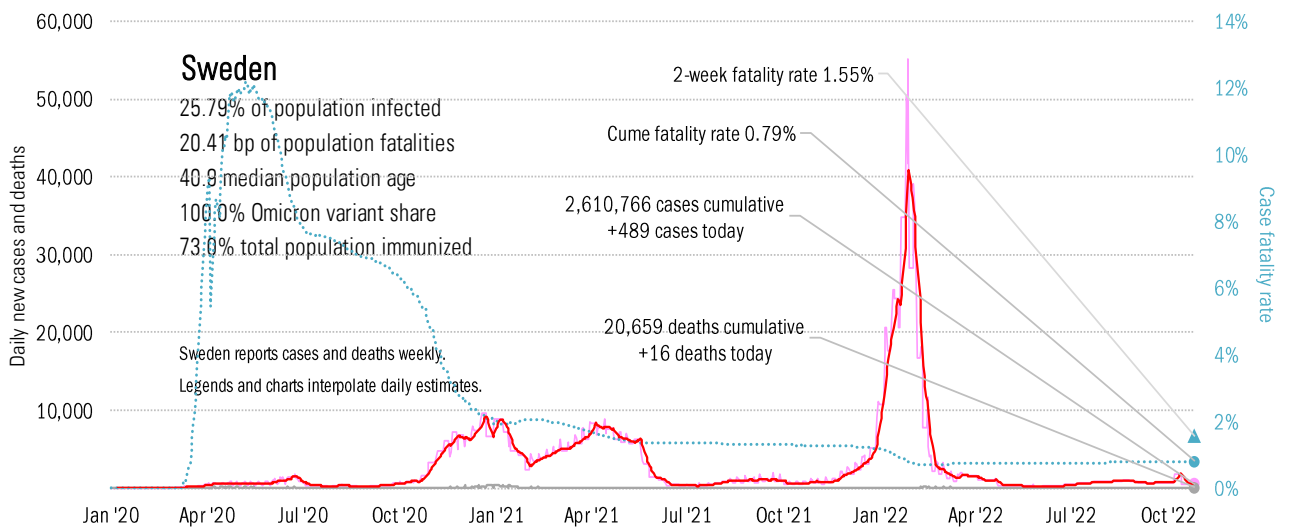
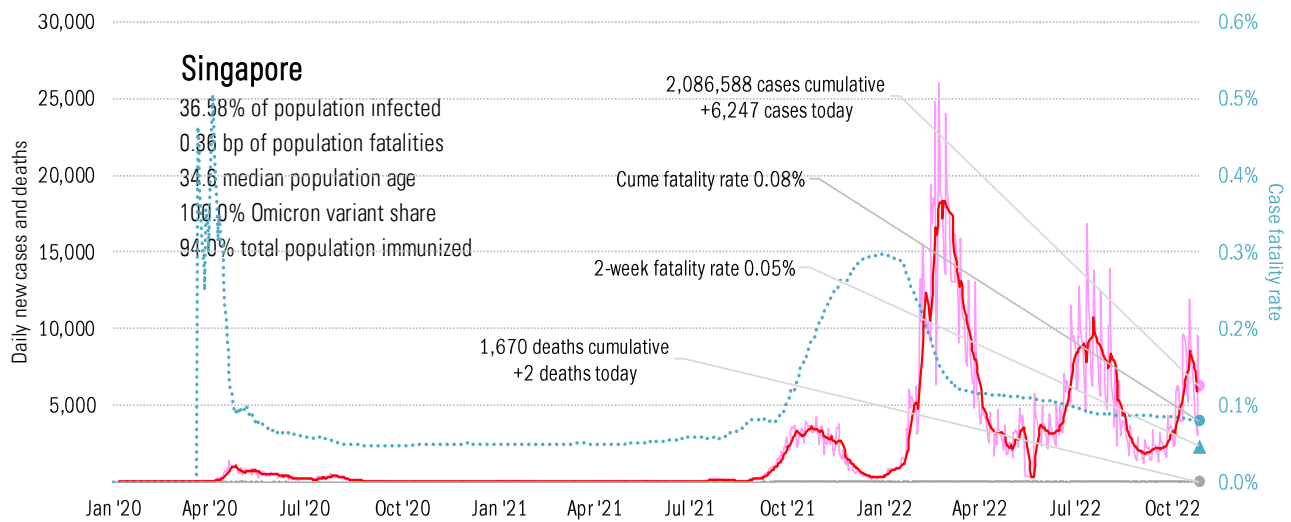
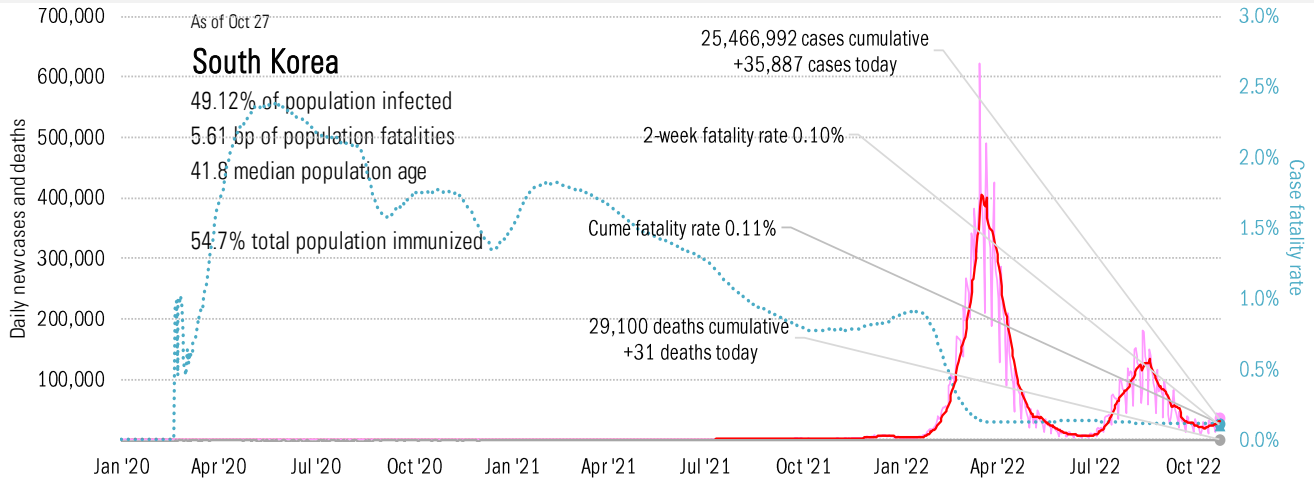
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

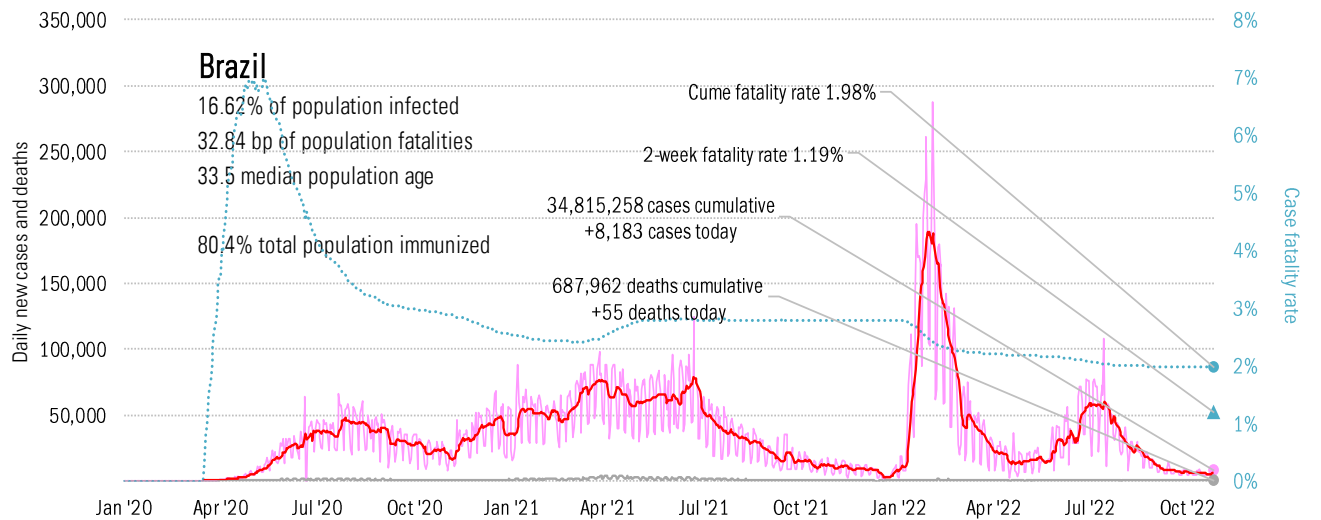
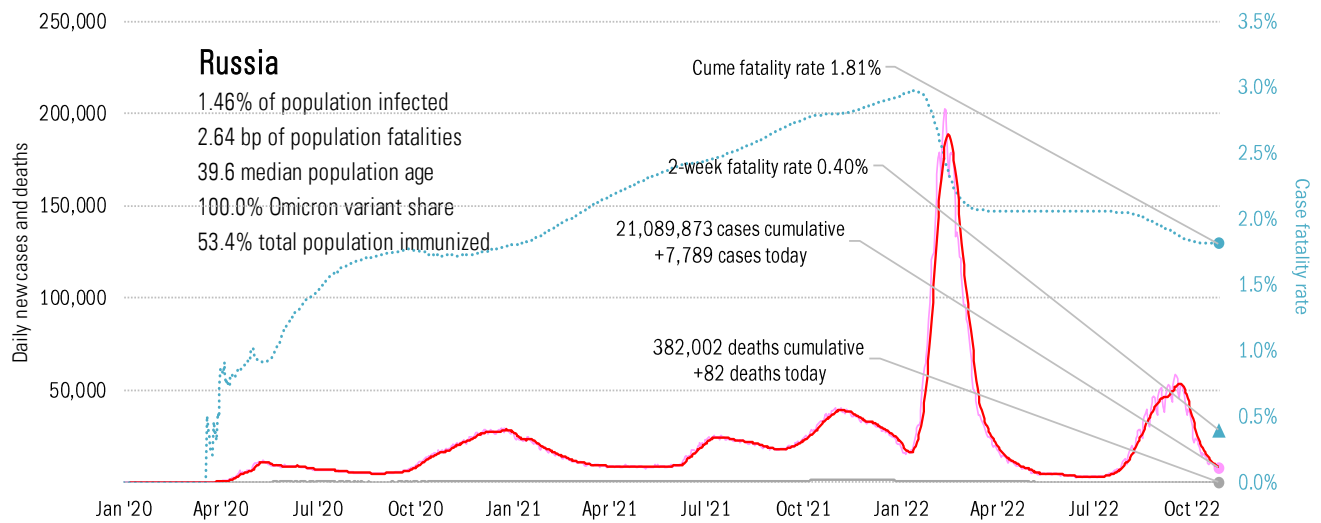
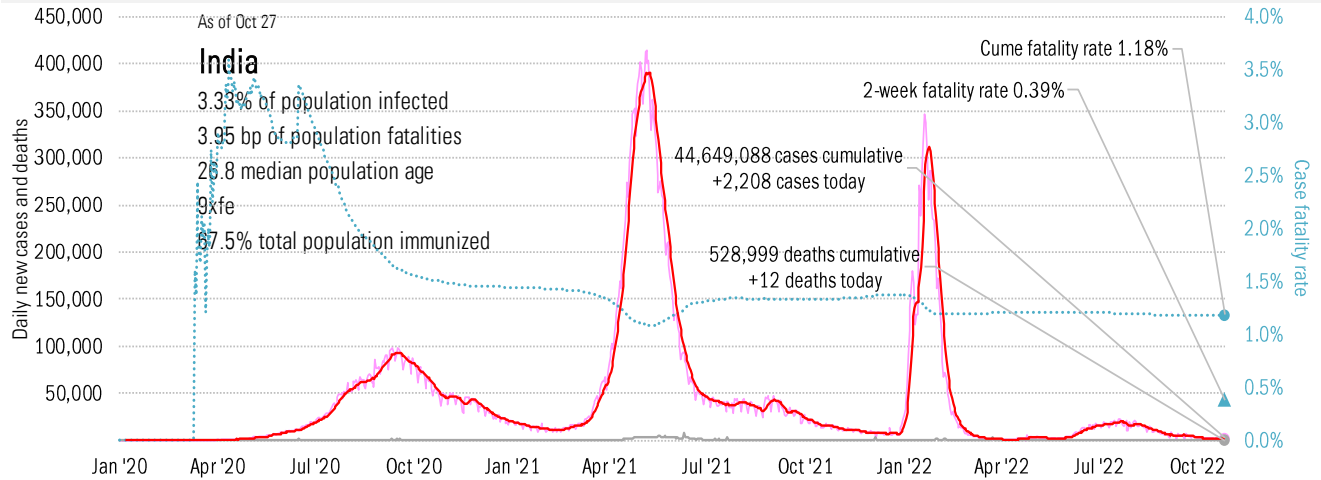
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

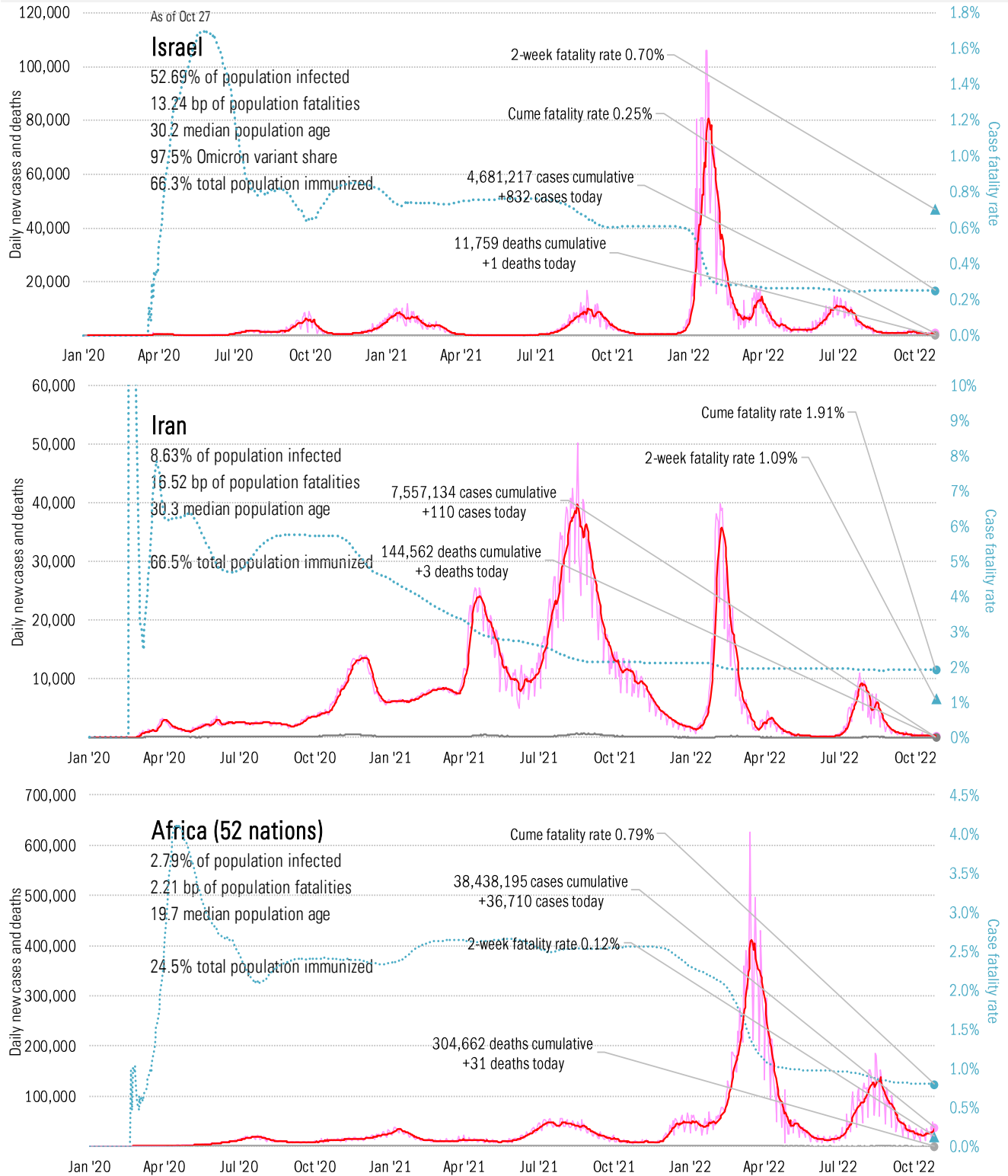
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

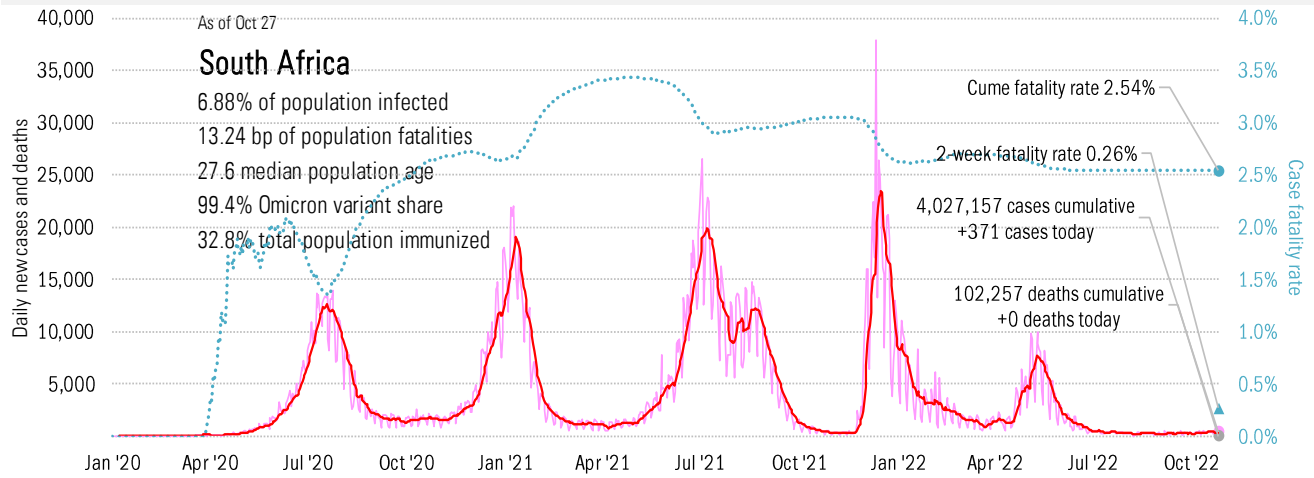
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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