

## Data Insights: Covid-2019 Monitor

Wednesday, November 23, 2022

### The global scorecard

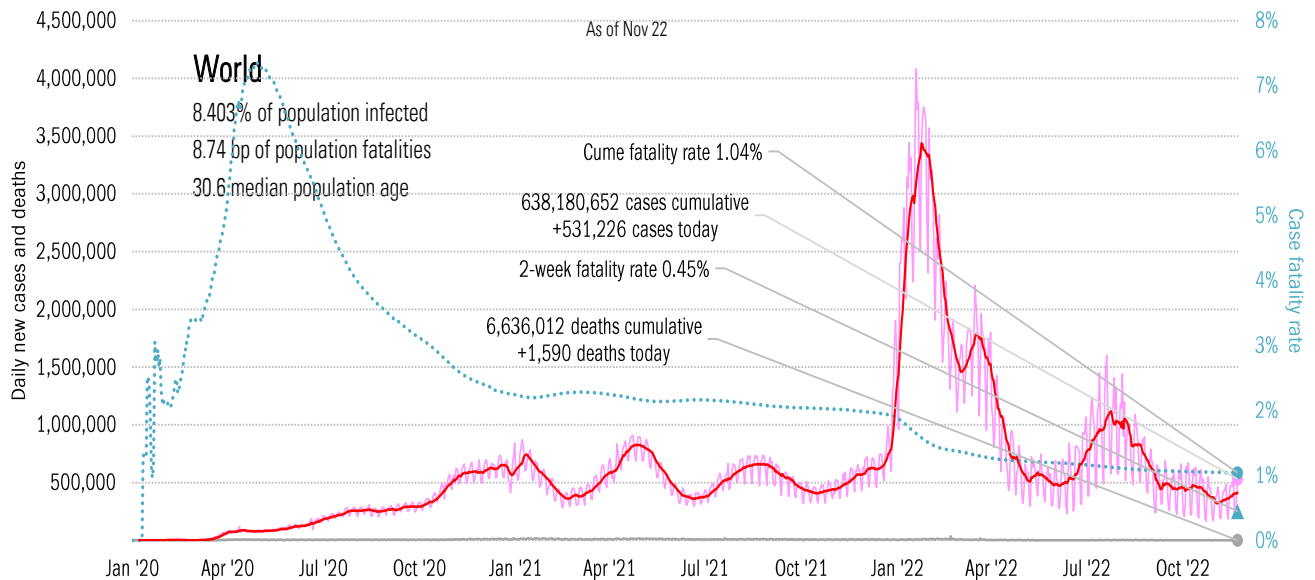
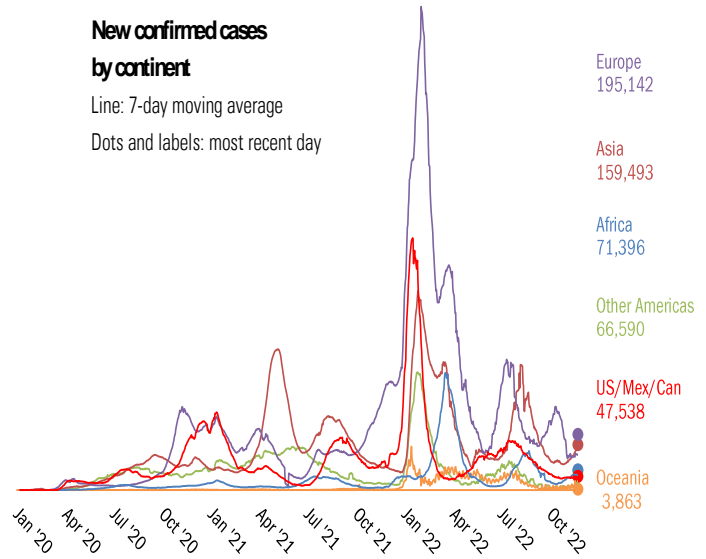
Cases: **7-day average** and **daily** Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Japan	121,236	United States	452
Korea, South	70,324	Brazil	62
Greece	54,024	Greece	154
United States	36,170	Japan	144
Italy	29,764	Germany	139
Taiwan*	18,169	France	89
France	16,269	Russia	59
Venezuela	13,961	Korea, South	53
Brazil	13,164	Indonesia	51
Germany	8,323	Mexico	49
<b>381,404</b>		<b>1,252</b>	
World	531,226	World	1,590
Top ten	72%	Top ten	79%

#### New confirmed cases by continent

Line: 7-day moving average  
 Dots and labels: most recent day



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

#### For more information contact us:

Donald Luskin: 214 550 2121 [don@trendmacro.com](mailto:don@trendmacro.com)  
 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

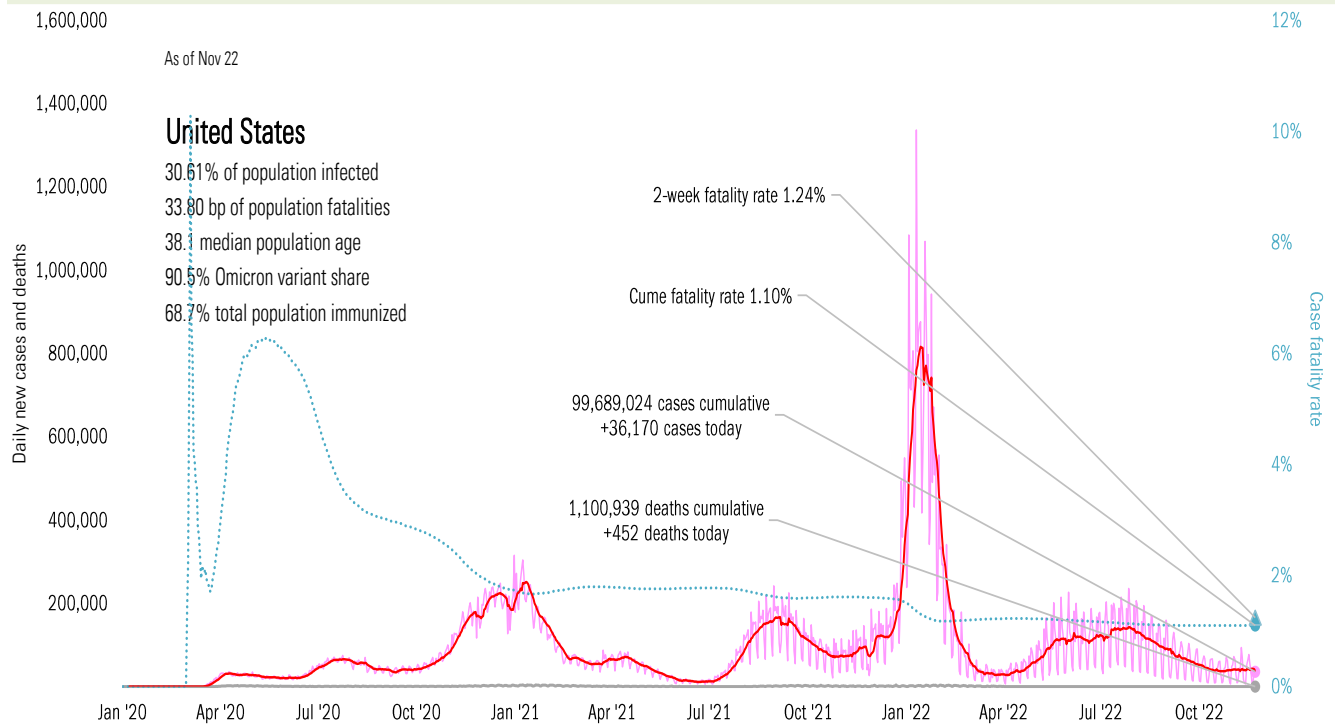
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
FL	3,355		NY	63		CA	436		CA	11,457,994		CA	97,317		TX	554,194		RI	88%	VT	86%
NY	3,238		FL	48		IL	181		FL	8,538,577		TX	91,364		CA	515,480		MA	85%	AL	85%
IL	2,103		OR	44		OR	39		TX	8,079,716		FL	82,957		FL	502,691		MN	84%	MA	83%
KY	1,834		MI	39		OK	32		NY	6,345,195		NY	73,715		NY	317,914		WA	82%	NH	83%
NJ	1,653		CO	29		LA	55		IL	3,858,155		PA	48,126		GA	229,467		AK	82%	TX	83%
CA	1,618		VA	19		TX	165		PA	3,340,506		GA	40,915		CH	226,602		MO	81%	DC	82%
CO	1,542		PA	19		IA	33		NC	3,262,335		CH	40,391		PA	213,083		NH	80%	AK	82%
AZ	1,539		MD	18		IN	80		CH	3,218,335		IL	40,233		IL	194,717		DE	80%	NC	81%
CH	1,445		GA	16		AK	9		GA	2,933,229		MI	39,972		MI	169,462		MD	80%	NM	81%
MD	1,427		NJ	15		PA	157		MI	2,929,612		NJ	35,065		KY	147,538		NM	80%	RI	79%
19,755			310			1,187			53,963,654			590,055			3,071,148						
All states	36,170			452			3,219		All states	99,689,024			1,100,939			5,578,585		All states	70%		67%
Top ten	55%			68%			37%		Top ten	54%			55%			55%		Median	75%		73%

Some states not reporting

## Five most improved US states

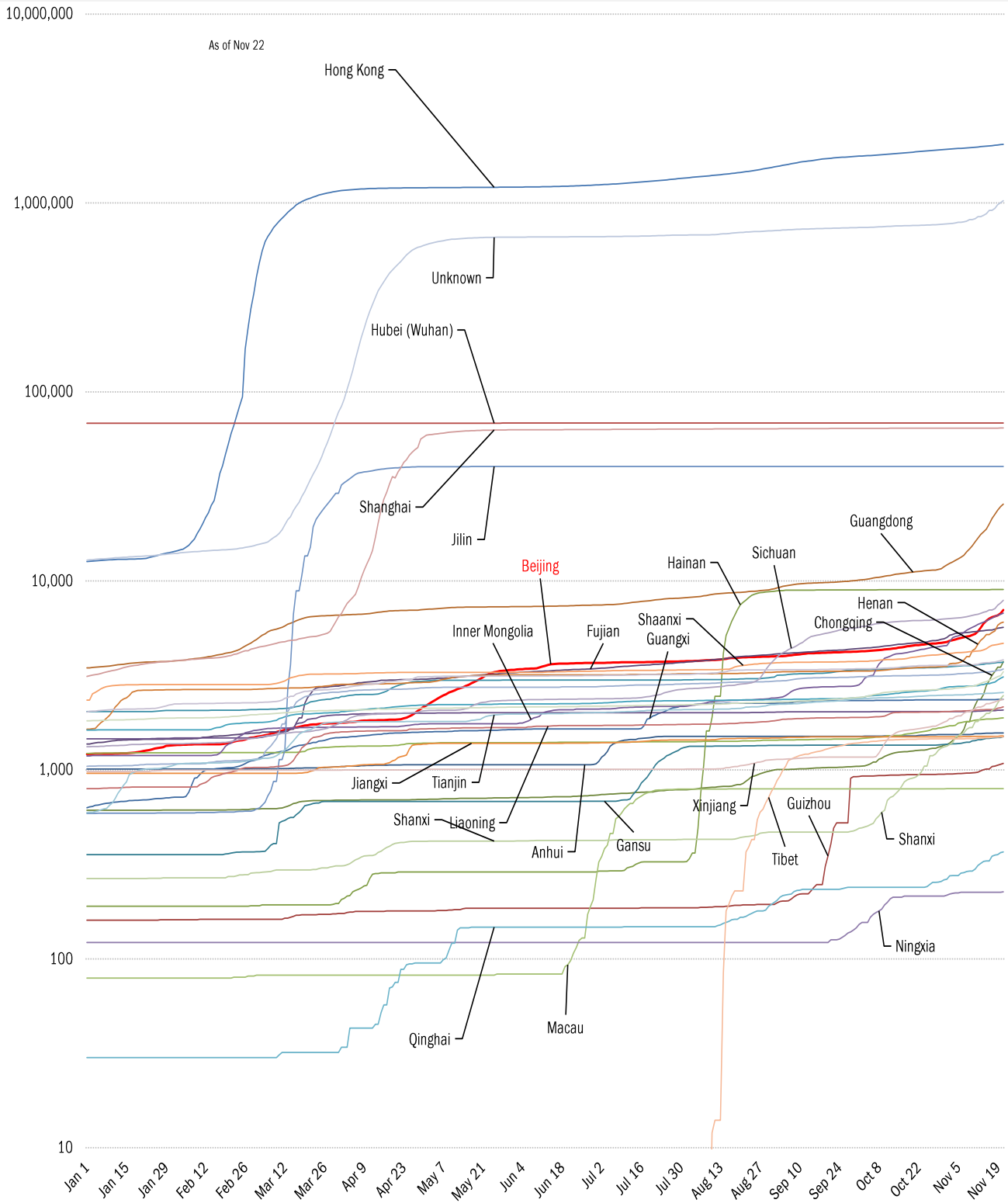
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-3,739	TX	-18	MI	-63
TX	-864	DE	-15	NY	-46
DE	-31	CA	-13	AZ	-45
NH	-25	WI	-11	MN	-39
CA	-20	WA	-8	CT	-37



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

# China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

*Cumulative reported cases this year, log scale: flat line indicates "zero Covid"*

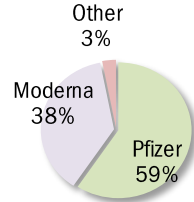


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	667,039,757		+0.623 million		US	68.6%	80.4%
			Of which boosters: +0.560 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	France	78.3%	80.5%
Total population	275,804,550	83%	234,917,605	70%	Spain	85.5%	86.9%
Age 12 to 17	18,368,587	73%	15,705,157	62%	Germany	76.2%	77.7%
Age 18 to 64	183,557,662	90%	155,937,514	77%	Italy	81.3%	86.1%
Age 65 and over	60,811,399	100%	53,206,659	97%	Australia	83.2%	85.7%
					Israel	65.2%	71.1%
					Canada	82.4%	88.8%
					Japan	83.1%	84.2%
					Africa	24.8%	31.0%
					India	67.1%	72.5%
					Brazil	80.2%	87.2%
					China	89.2%	91.4%



AK	72.4%
	64.7%

State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

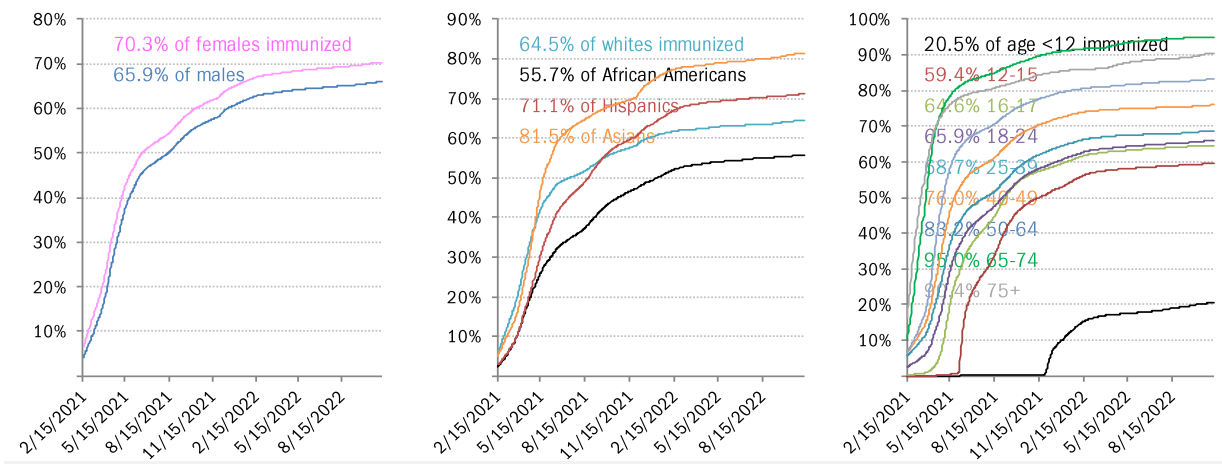
"Immunity" = two doses

Global data differs due to sources, timing

As of Nov 18

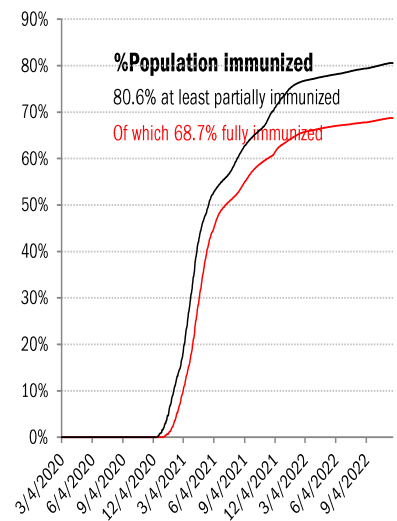
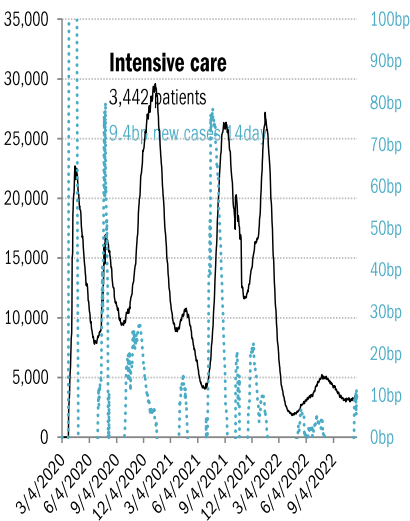
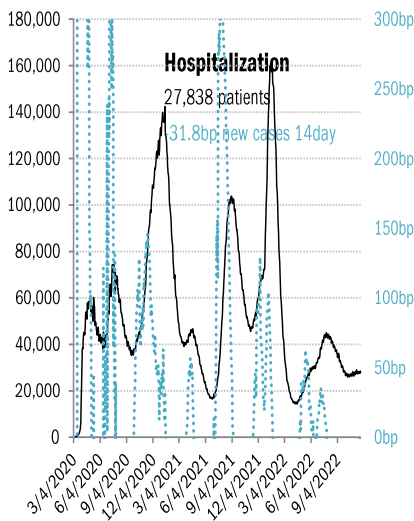
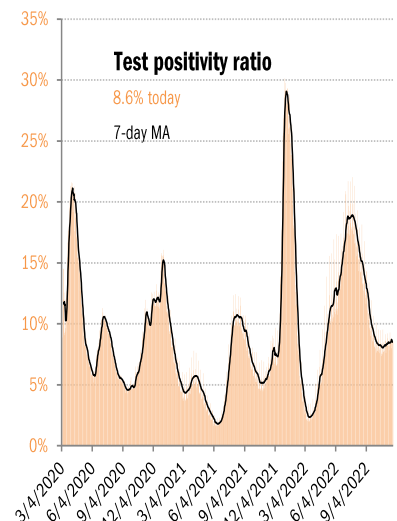
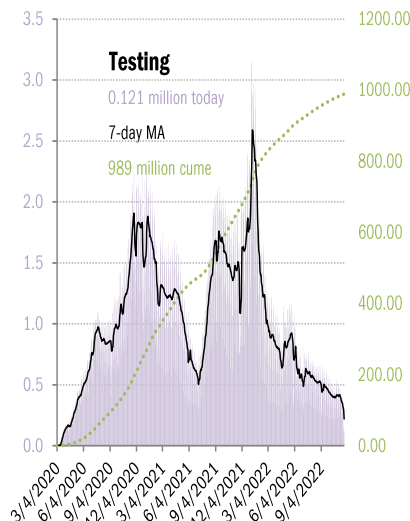
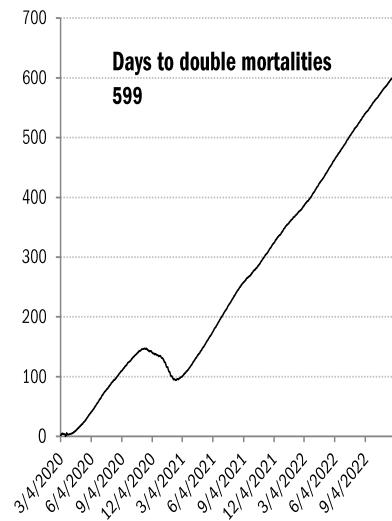
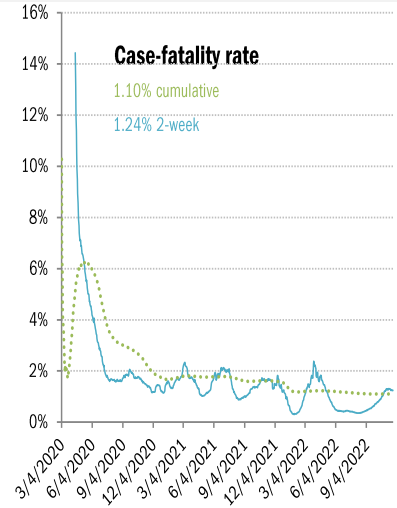
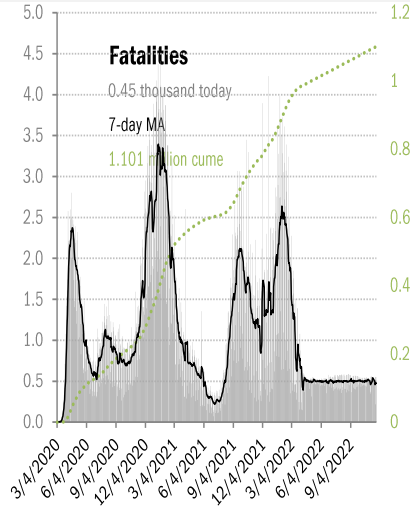
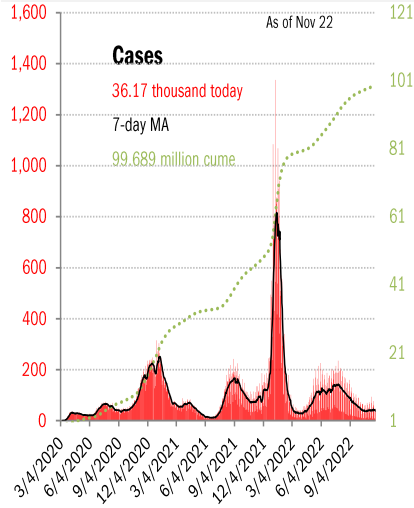
					WI							ME
					74.4%							95.0%
					67.7%							82.5%
WA	ID	MT	ND	MN	IL	MI				NY	VT	NH
84.4%	63.4%	67.7%	68.6%	78.0%	78.7%	69.0%			93.5%	95.0%	86.3%	
75.3%	56.0%	58.7%	58.0%	71.5%	70.8%	61.9%			79.9%	84.6%	70.5%	
OR	NV	WY	SD	IA	IN	OH	PA			NJ	MA	
80.7%	78.1%	60.4%	82.6%	70.1%	63.9%	65.2%	89.4%		93.7%	95.0%		
71.7%	63.0%	52.7%	65.5%	63.9%	57.4%	60.0%	72.3%		78.4%	83.1%		
CA	UT	CO	NE	MO	KY	WV	VA			MD	CT	RI
85.7%	74.5%	82.9%	72.7%	68.7%	68.3%	67.0%	89.9%		90.7%	95.0%	95.0%	
74.6%	66.1%	72.9%	65.7%	58.5%	59.2%	59.4%	75.9%		78.9%	82.3%	86.8%	
	AZ	NM	KS	AR	TN	NC	SC			DC	DE	
	76.5%	92.9%	75.4%	69.2%	64.0%	90.5%	70.3%		95.0%	86.6%		
	65.5%	74.4%	64.6%	56.4%	56.0%	66.0%	59.4%		84.1%	72.0%		
			OK	LA	MS	AL	GA					
			73.9%	62.5%	61.3%	64.5%	67.7%					
			59.9%	54.8%	53.4%	52.7%	56.7%					
			TX							FL		PR
			75.6%							81.8%		95.0%
			62.8%							68.9%		86.5%

## The demographics of US vaccination

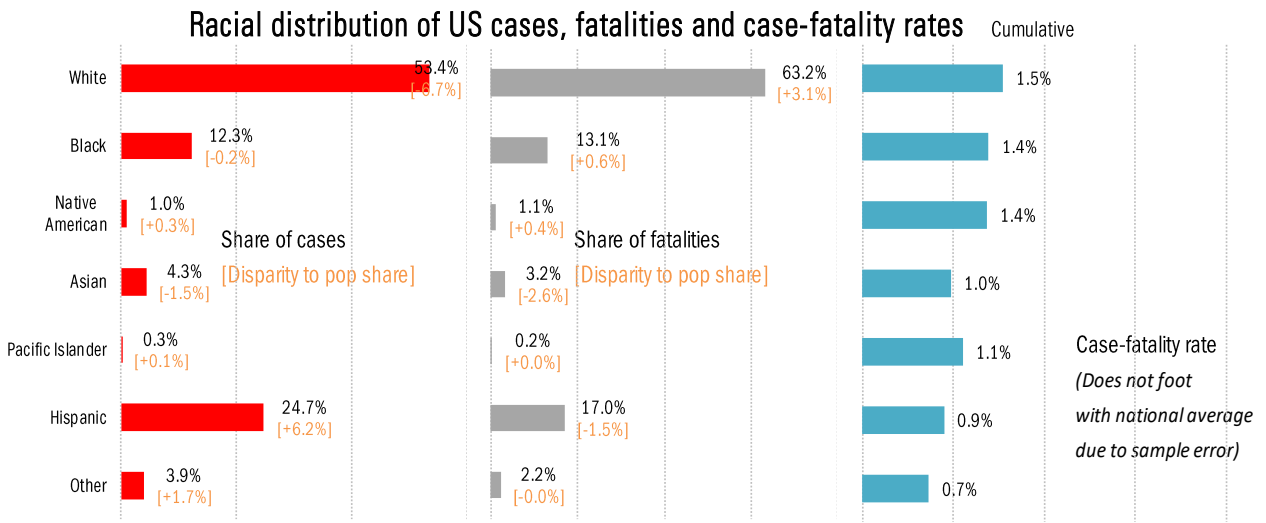
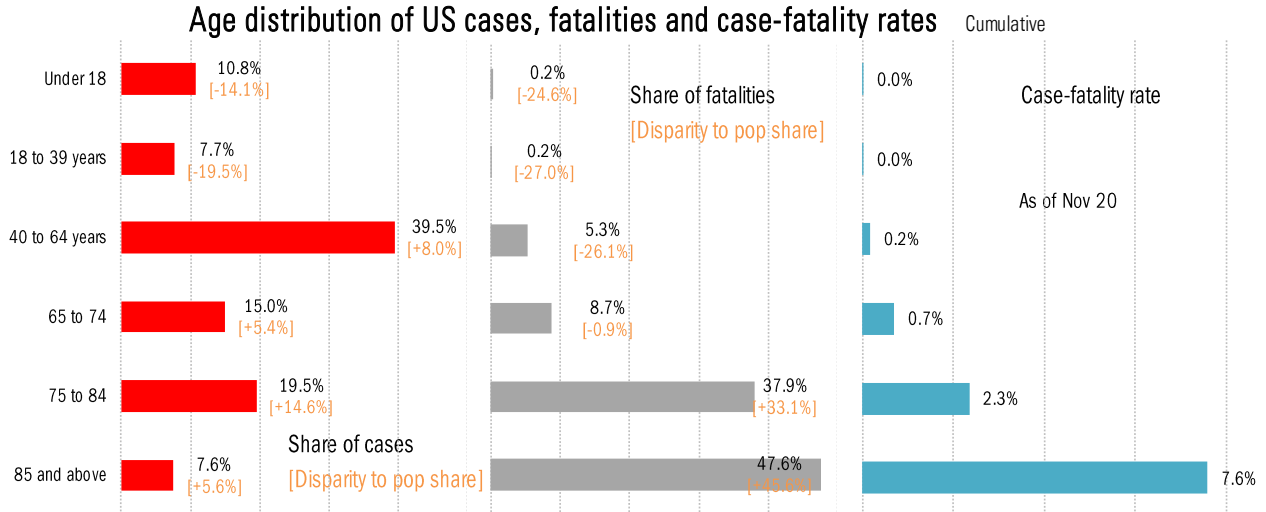


Source: CDC, CDC, Our World in Data, TrendMacro calculations

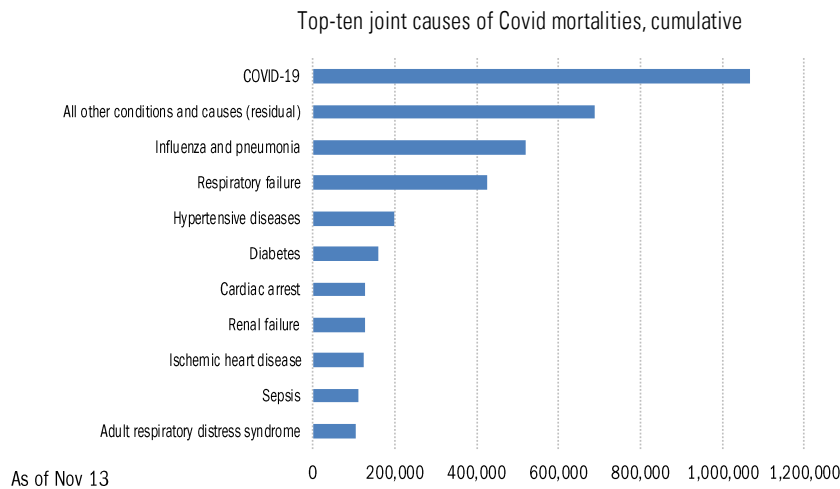
# US deep-dive



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

### [School Choice Made Big Gains During the Covid Pandemic](#)

Jason L. Riley  
*Wall Street Journal*  
November 22, 2022

### [Real-world data show updated Covid-19 boosters increase protection against infection](#)

Andrew Joseph  
*Stat News*  
November 22, 2022

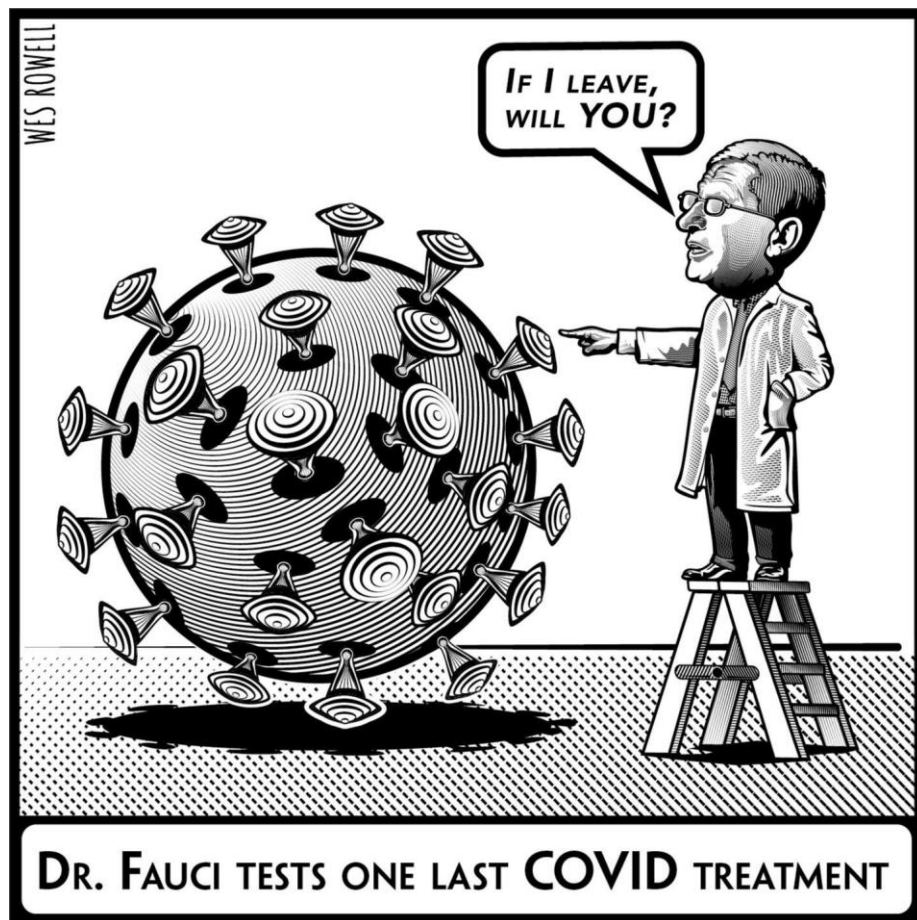
### [Effectiveness of Bivalent mRNA Vaccines in Preventing Symptomatic SARS-CoV-2 Infection — Increasing Community Access to Testing Program, United States, September–November 2022](#)

Ruth Link-Gelles  
*Centers for Disease Control*  
November 22, 2022

### [Fauci bids farewell with a final plea: Get vaccinated](#)

Krista Mahr and Adam Cancryn  
*Politico*  
November 22, 2022

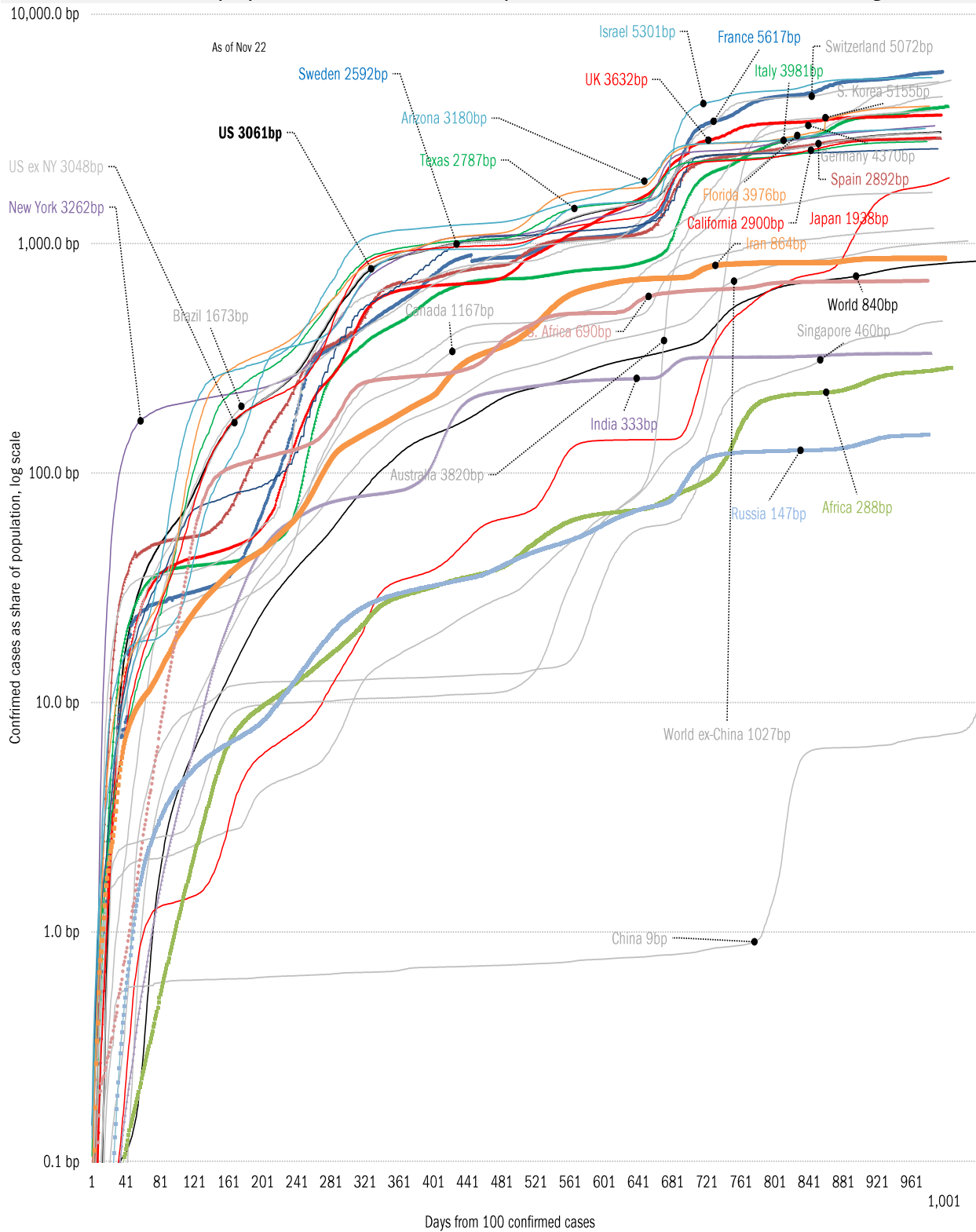
## Meme of the Day



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

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

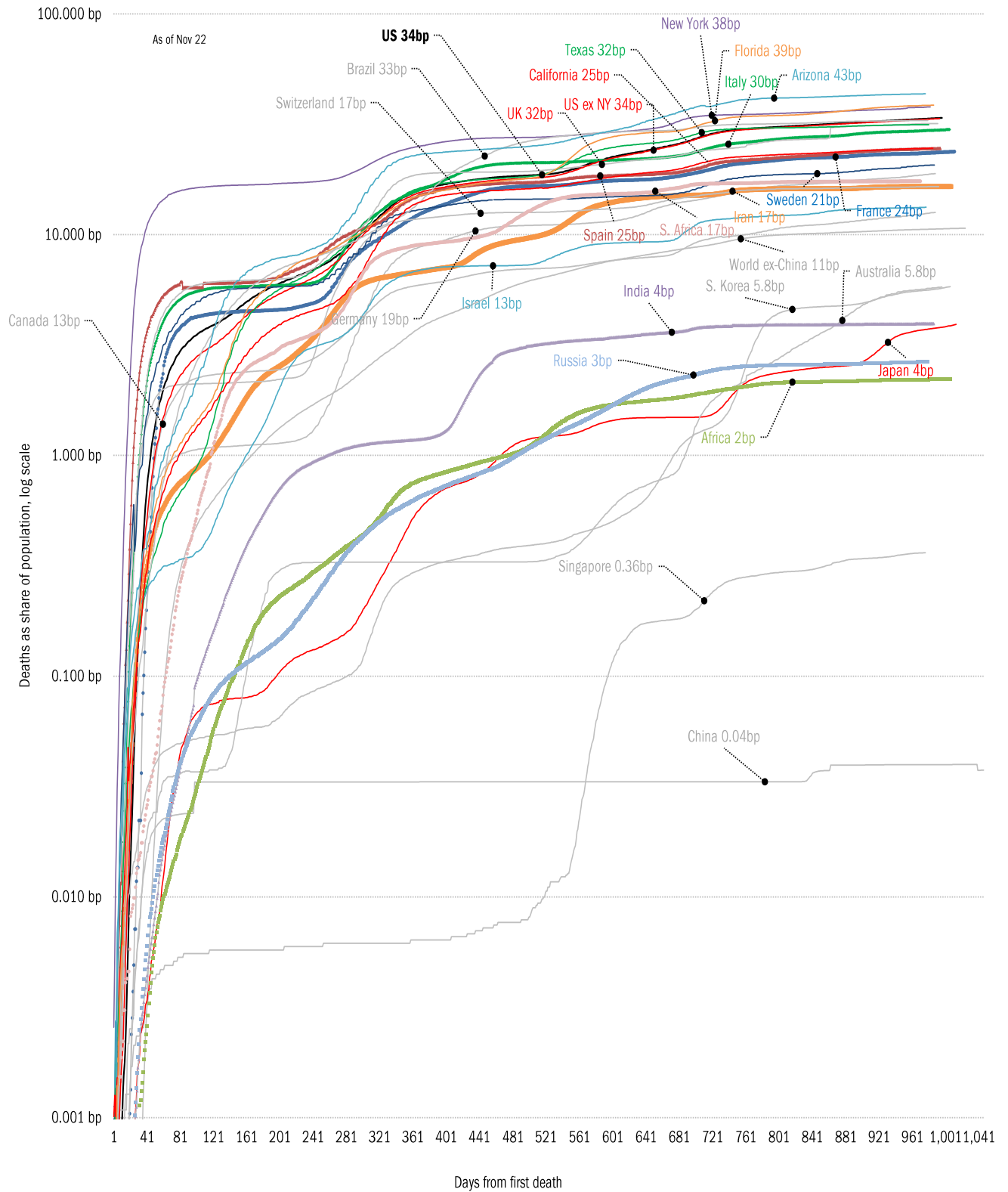
*Share of infected population from first day with 100 confirmed cases, log scale*



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*

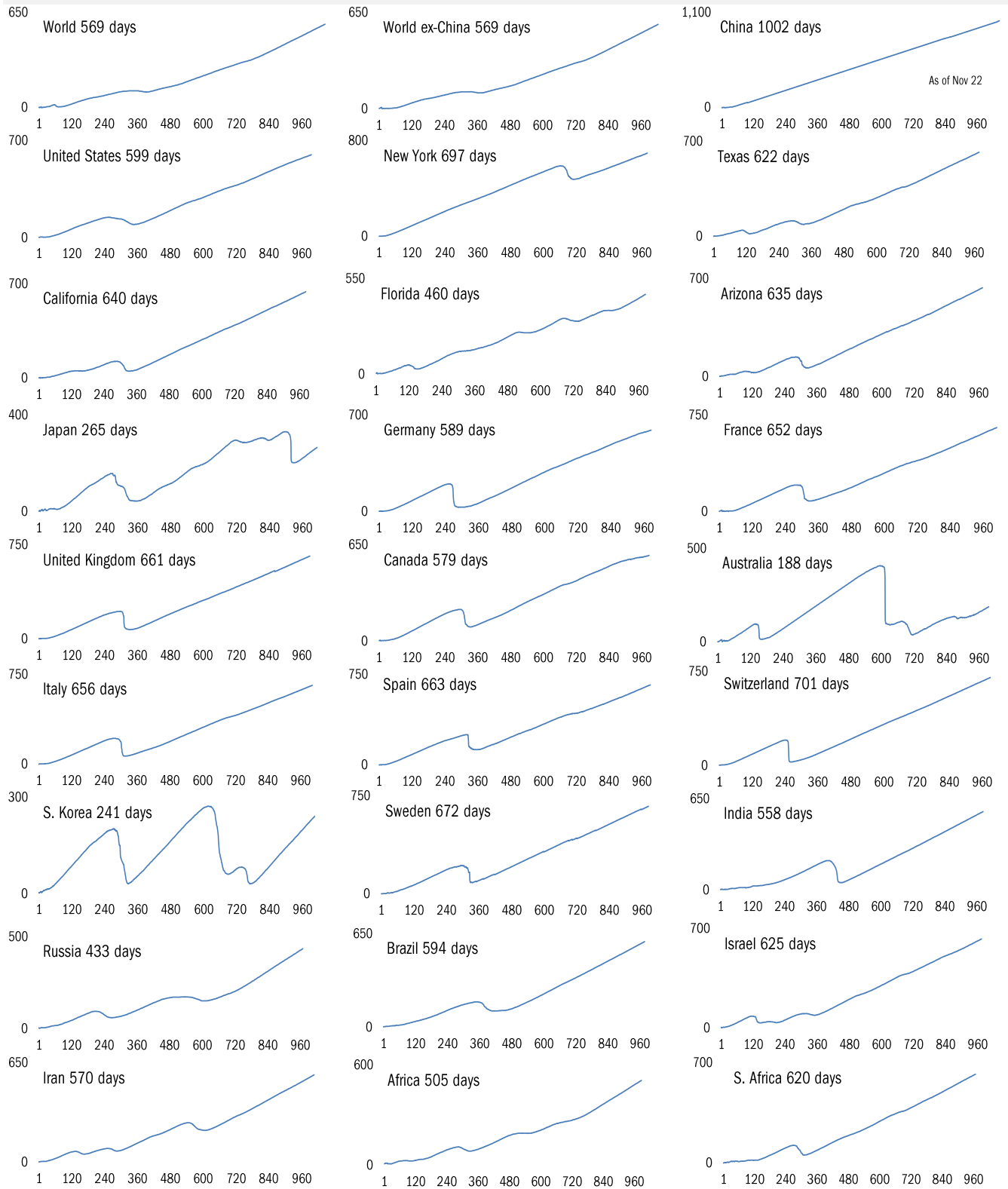


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

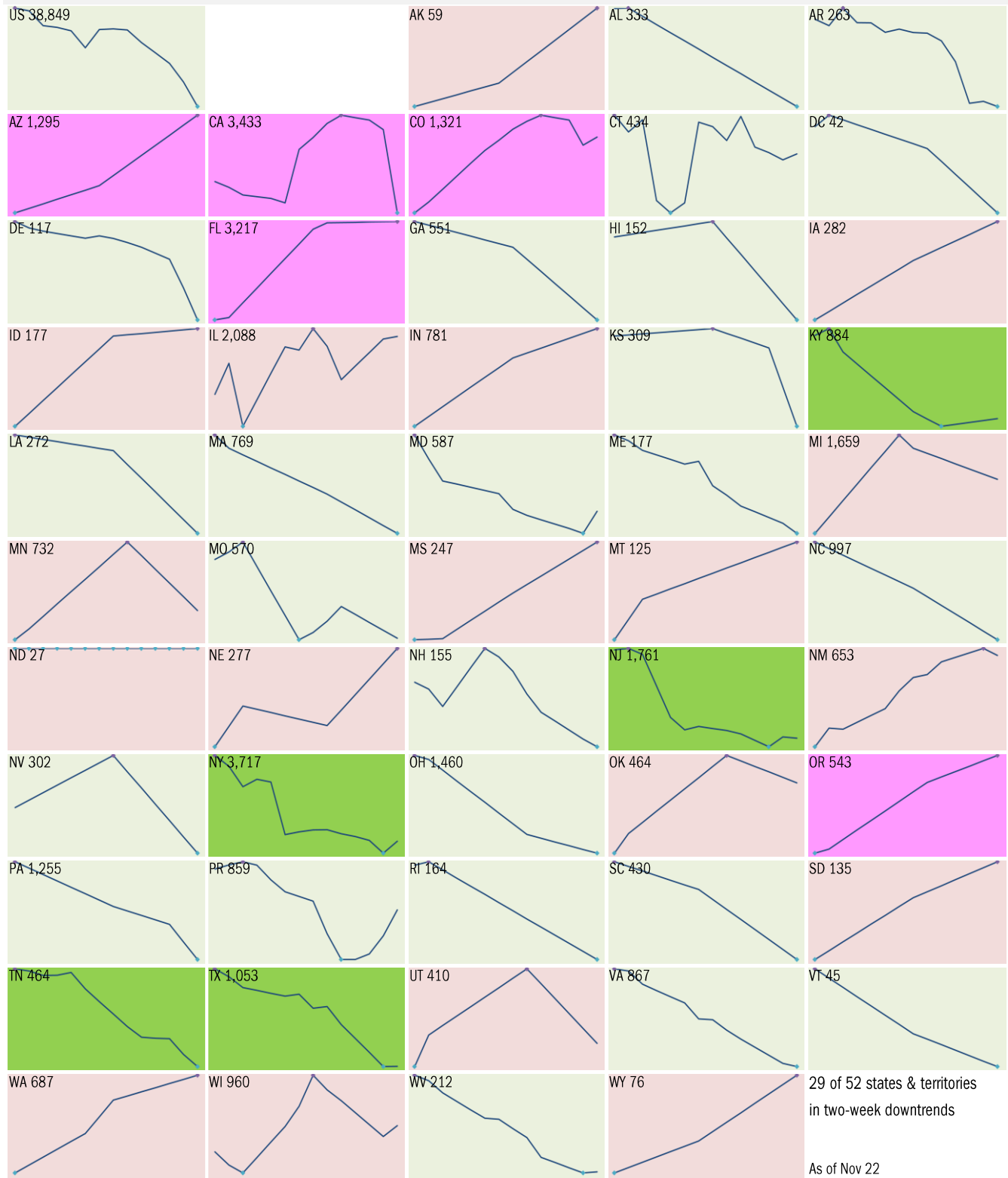


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

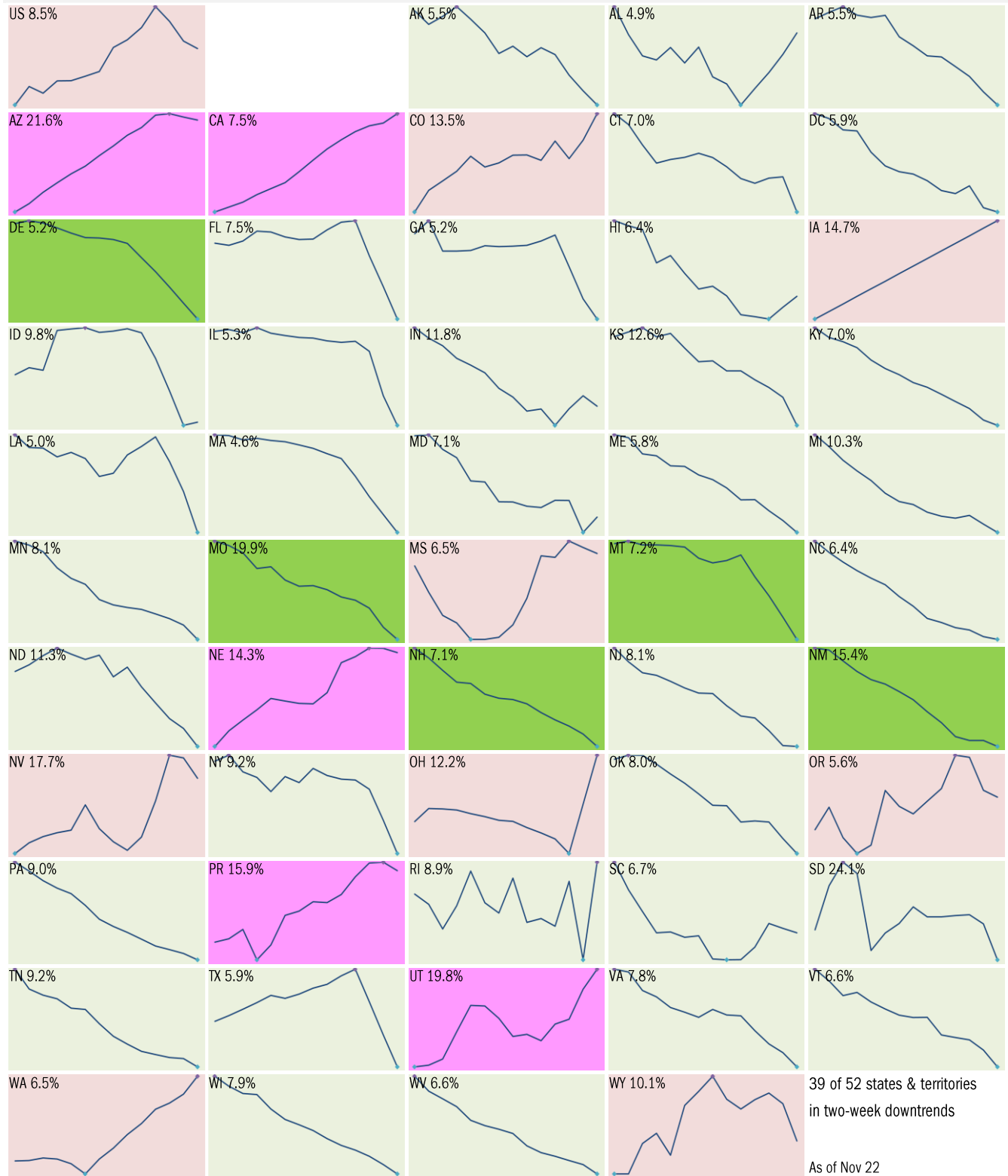


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

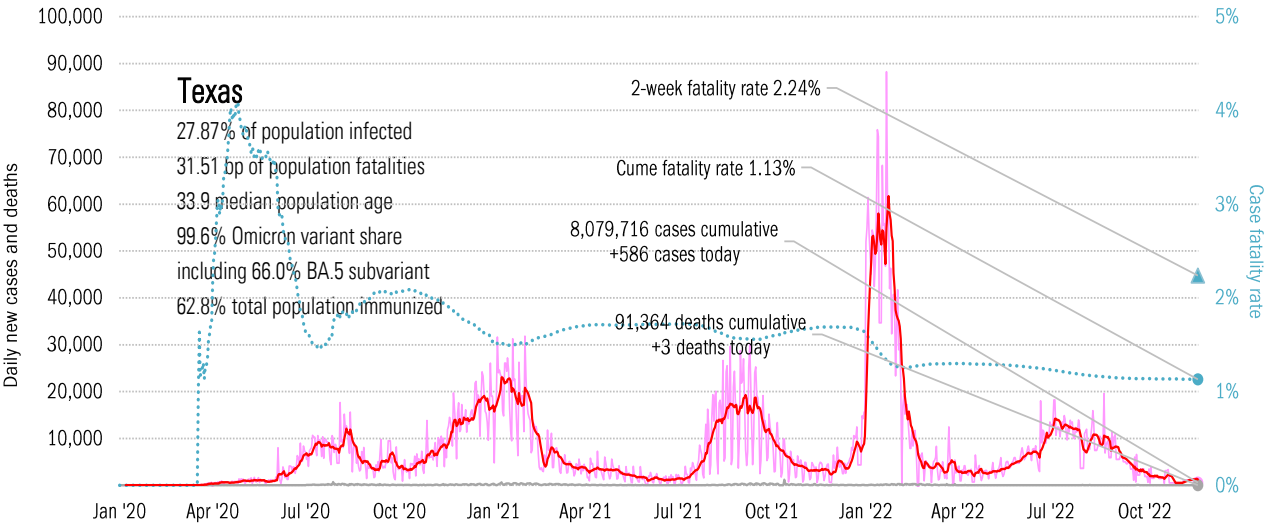
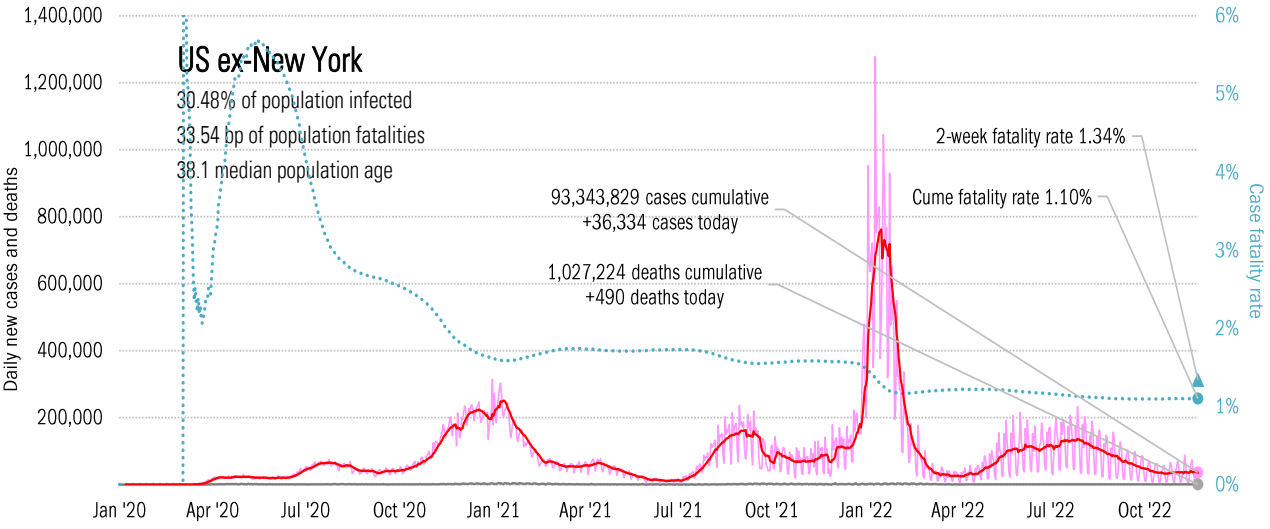
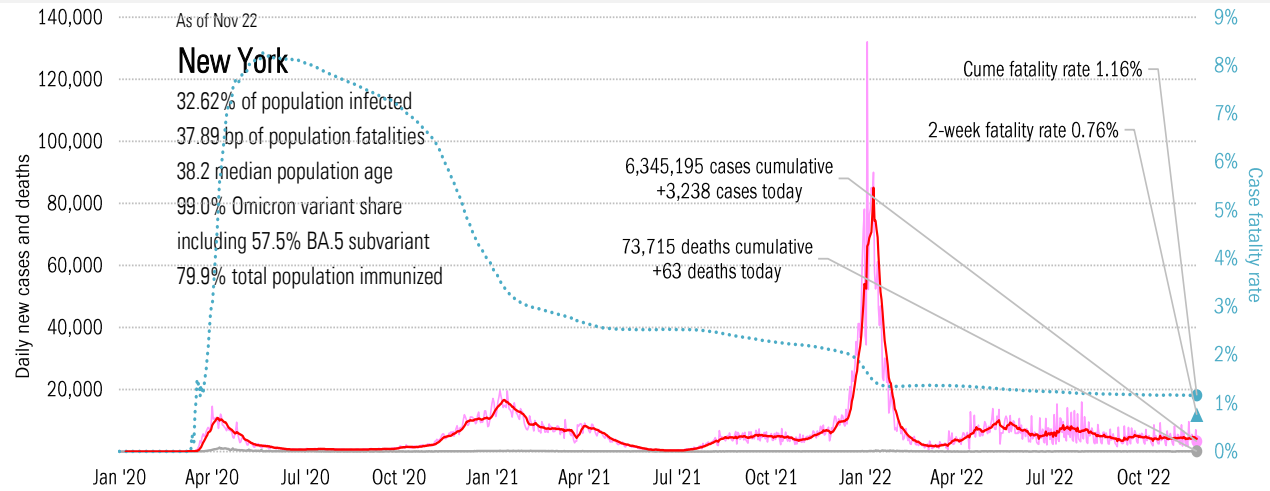
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

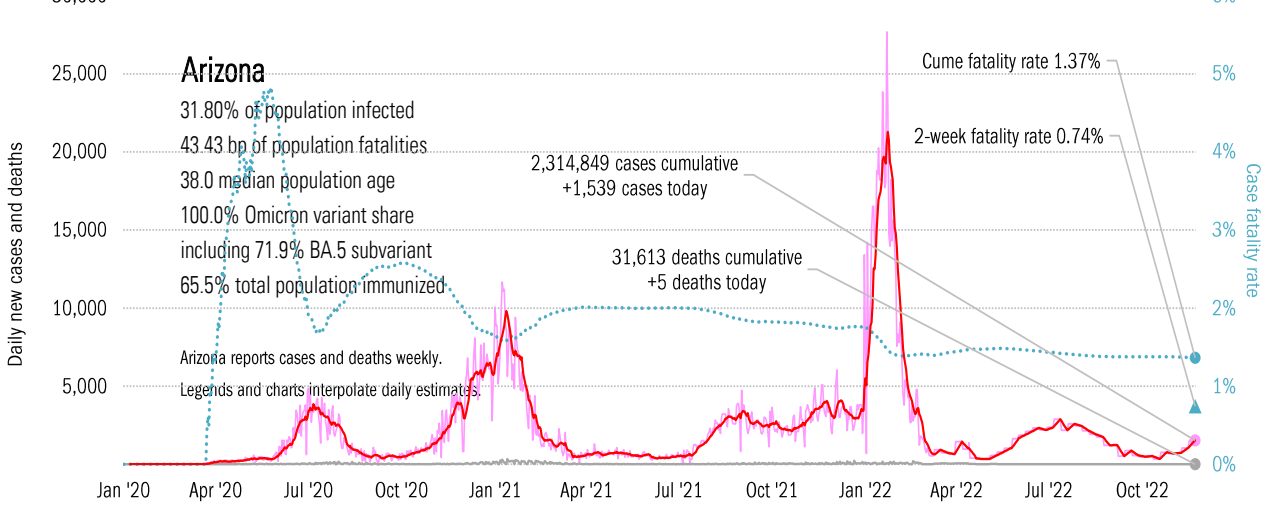
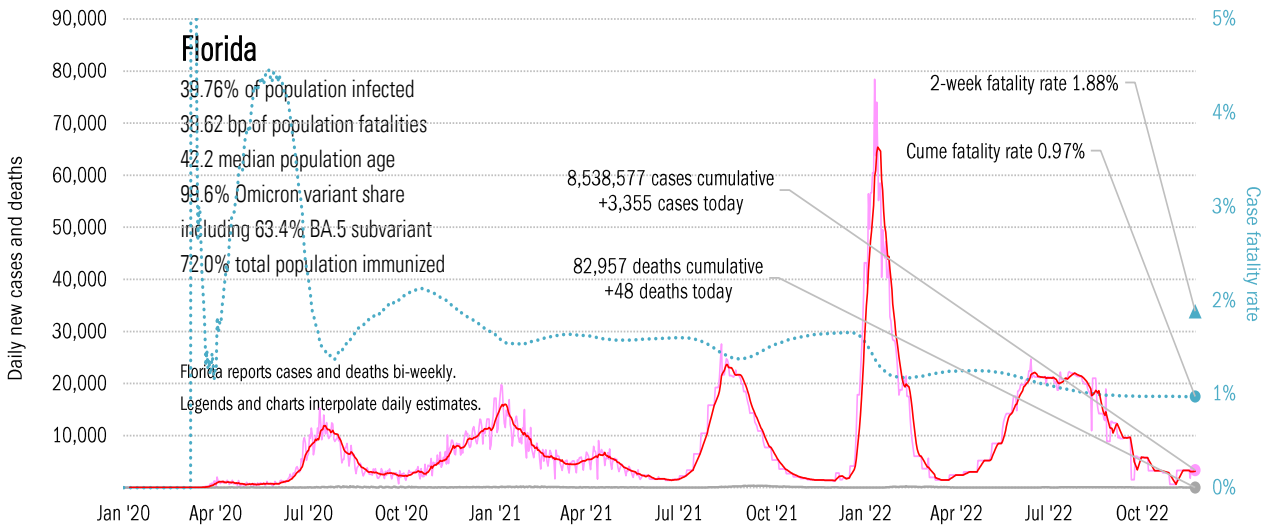
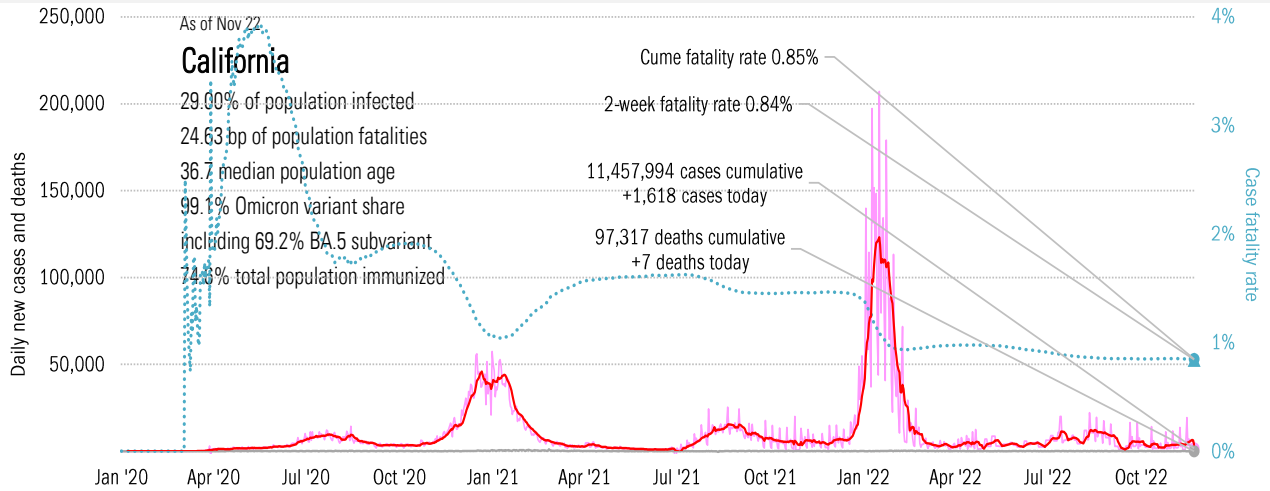
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

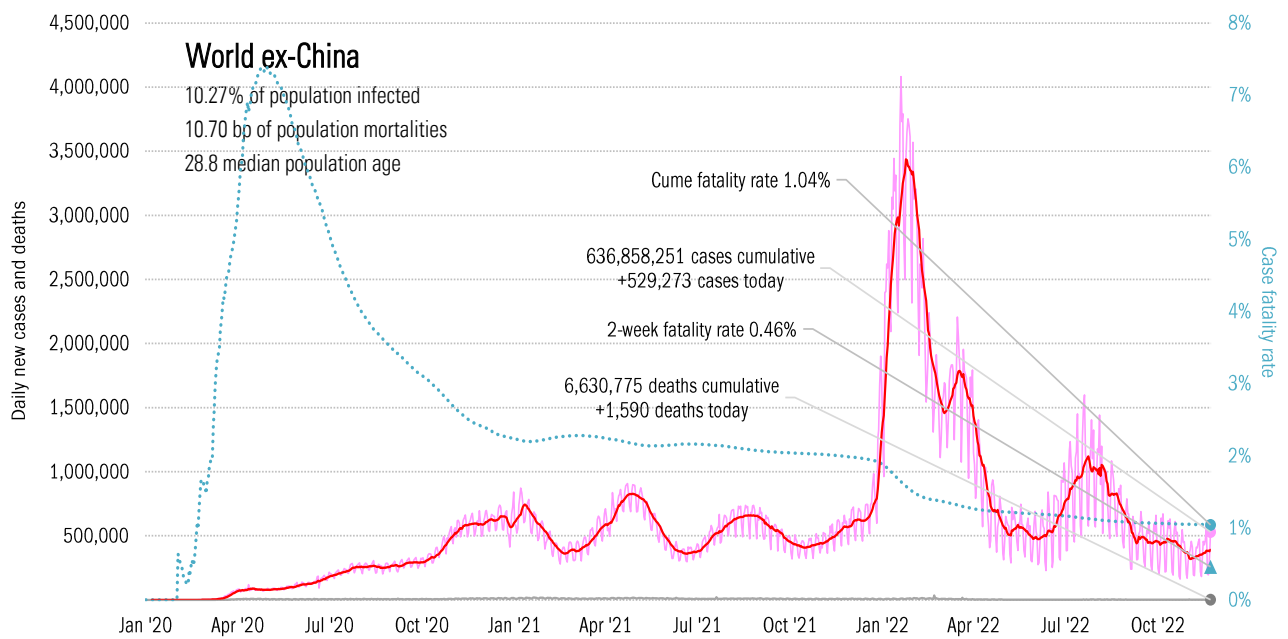
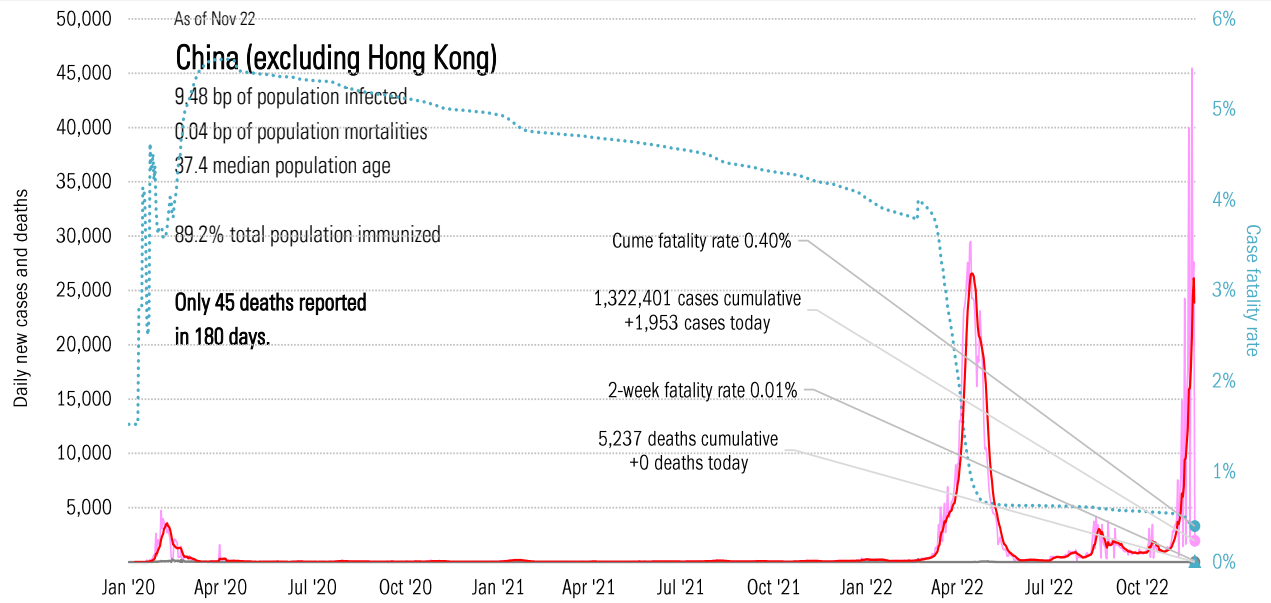
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

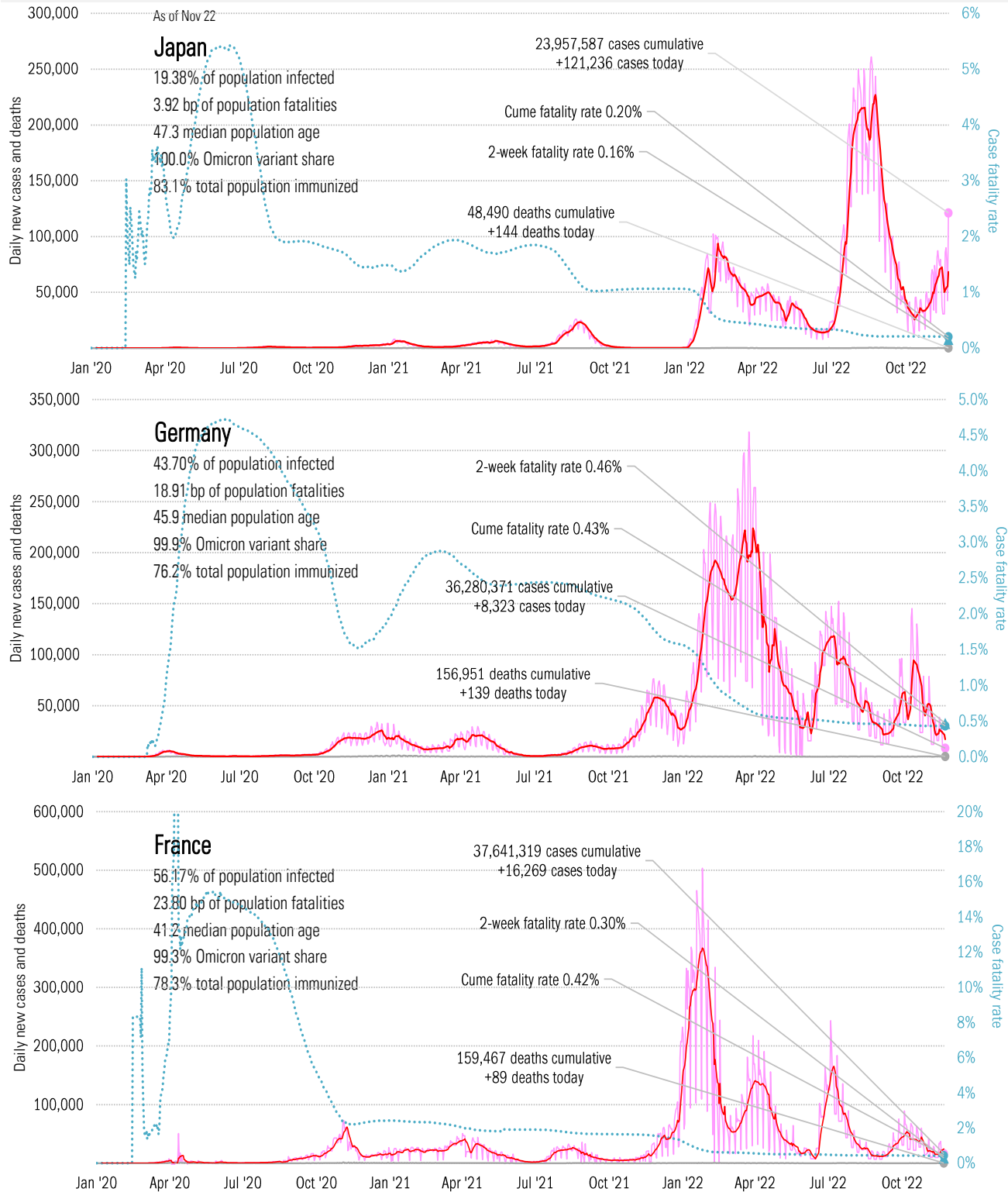
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

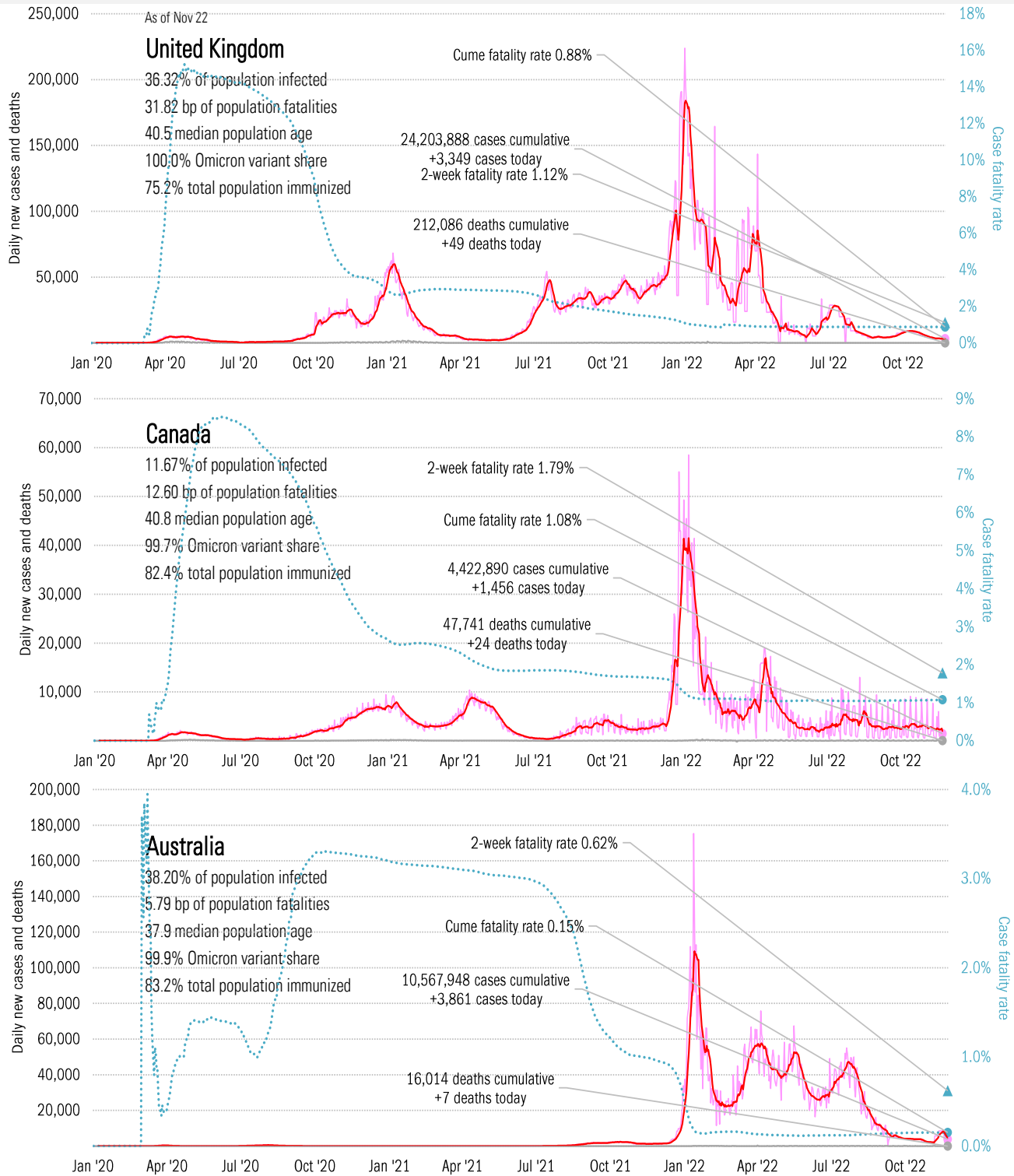


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

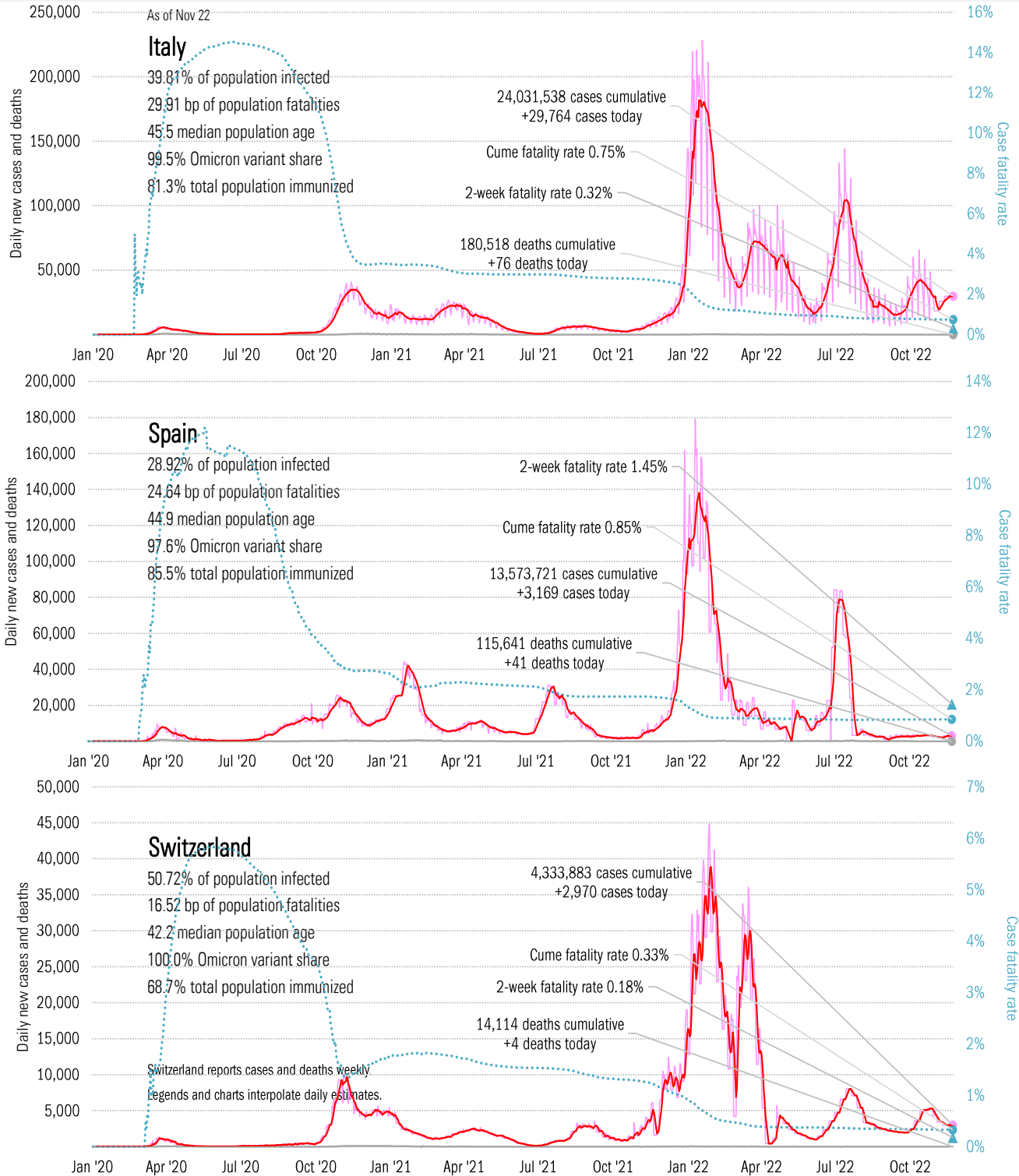
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

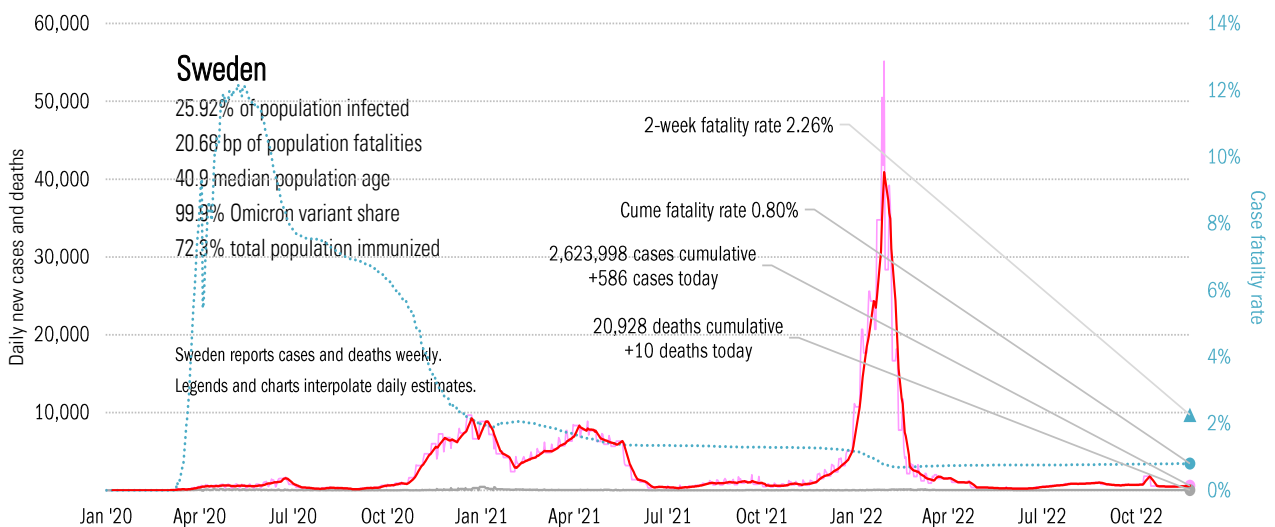
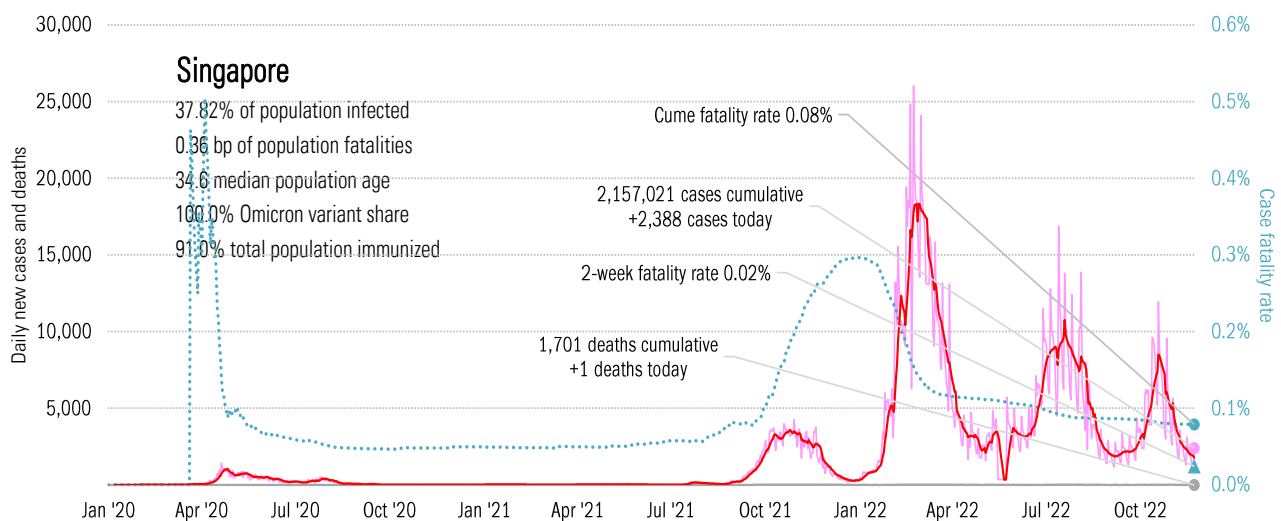
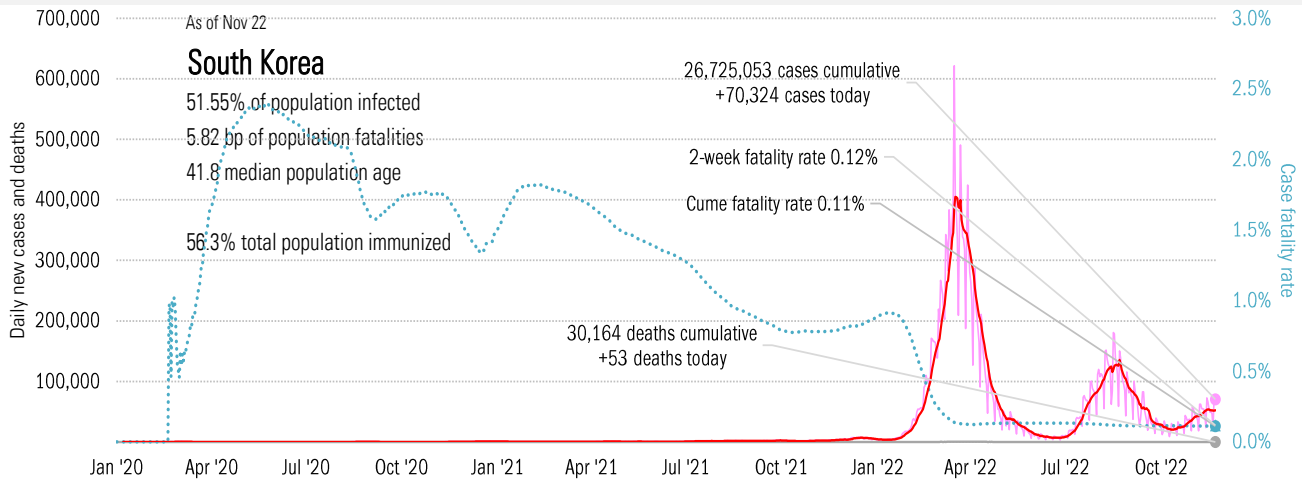
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

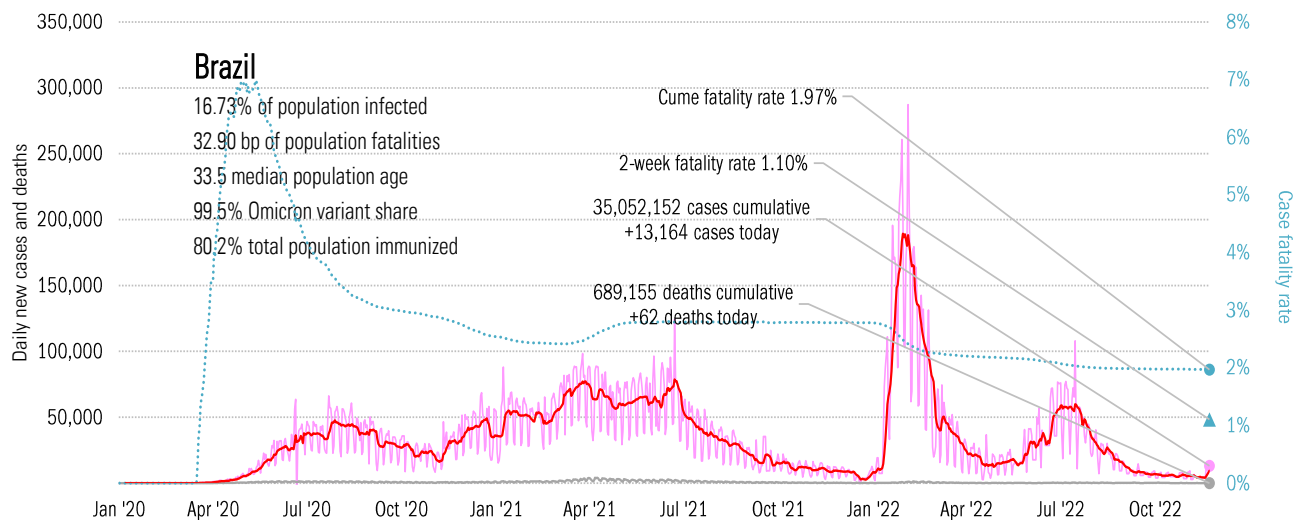
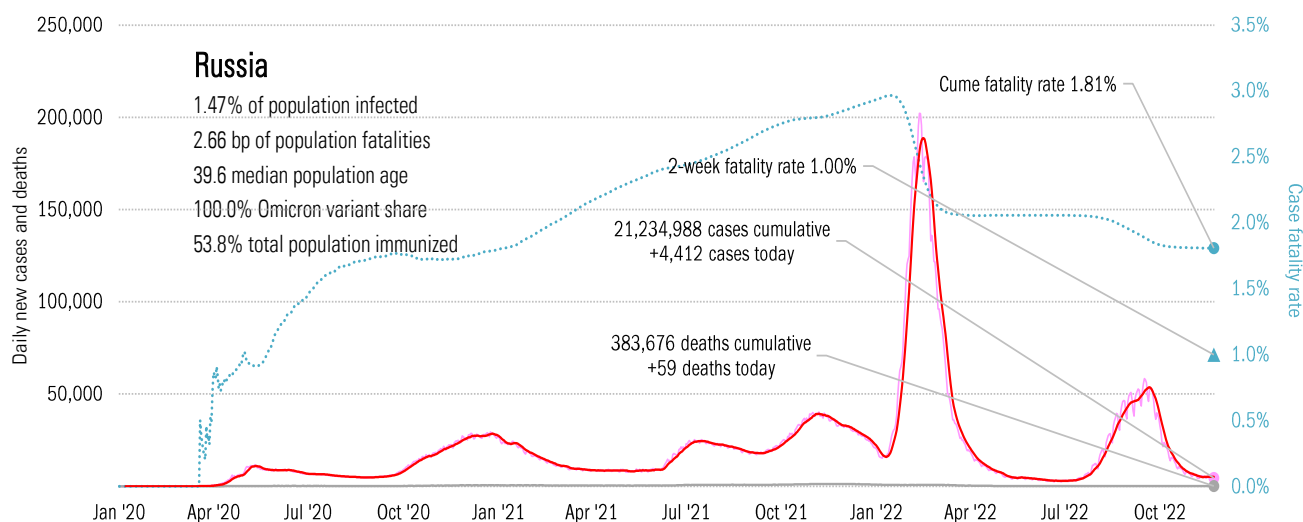
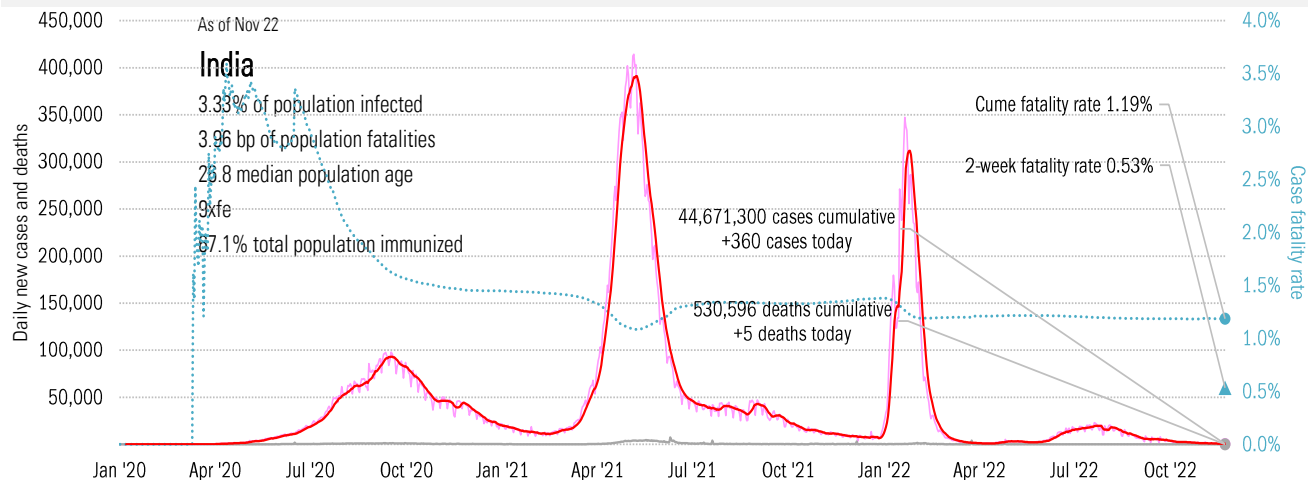
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

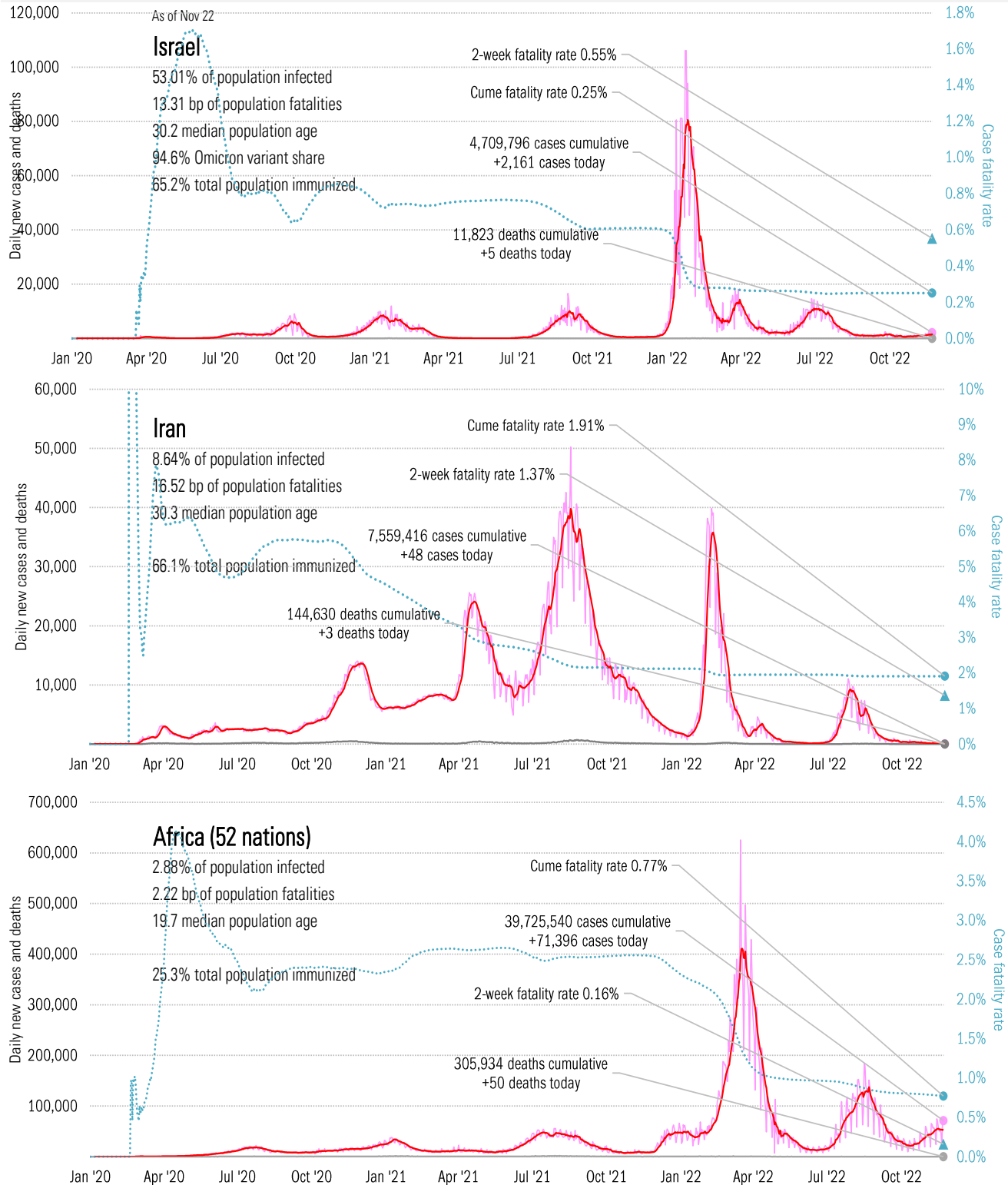
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

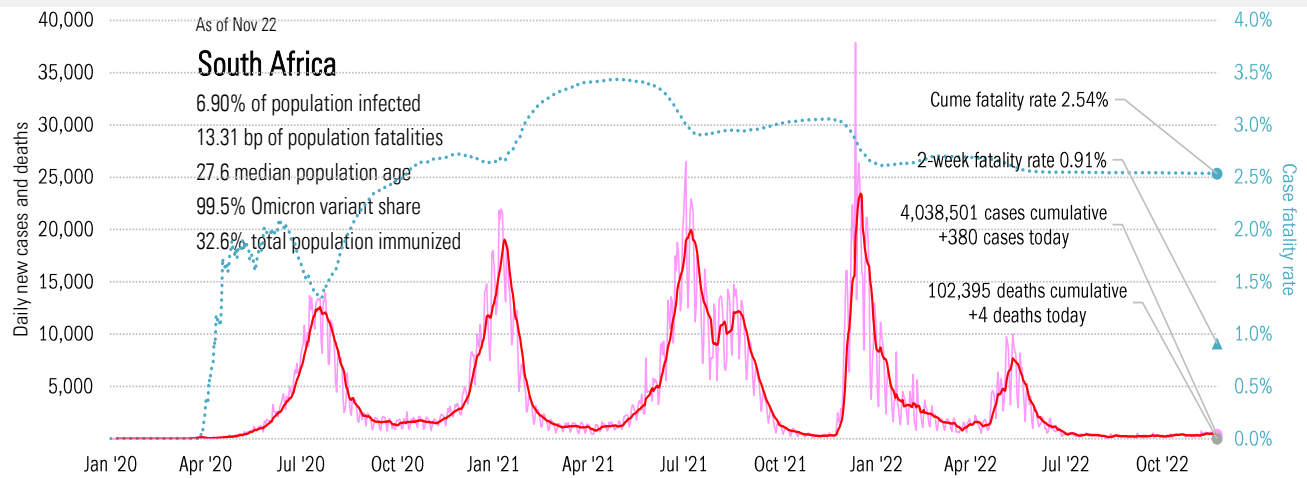
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), Trend Macro calculations