

## Data Insights: Covid-2019 Monitor

Tuesday, November 29, 2022

### The global scorecard

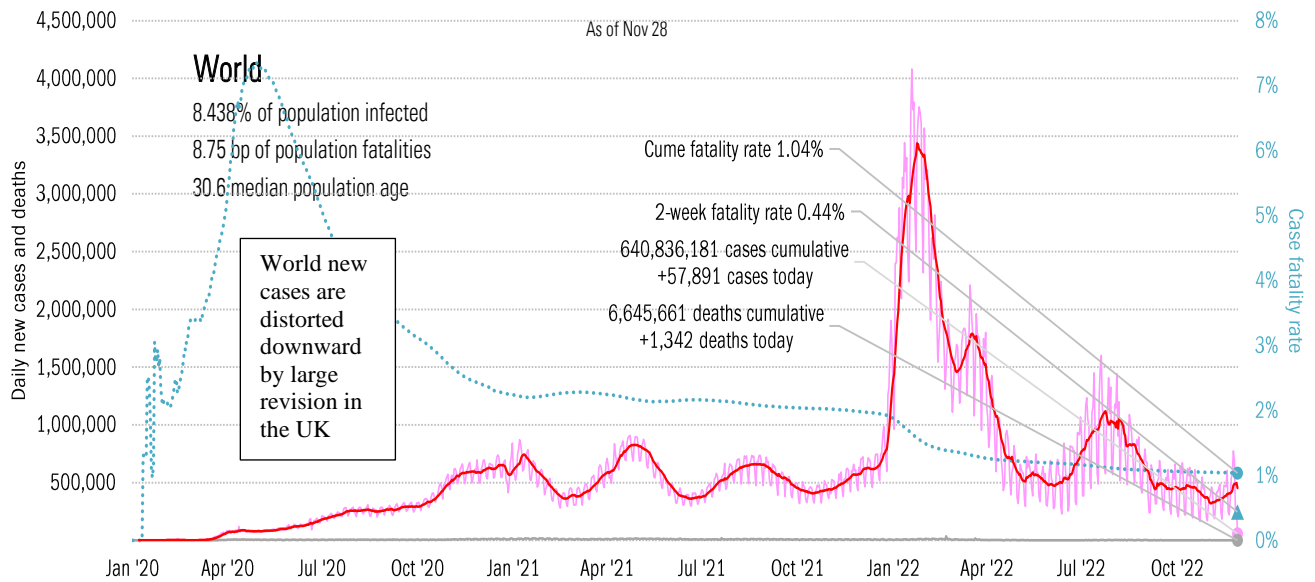
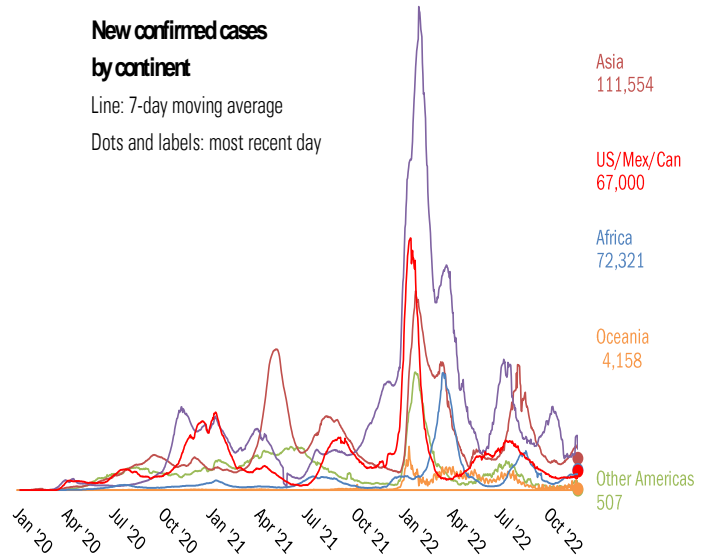
Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Korea, South	71,476	United States	497
Japan	49,117	Germany	162
United States	48,272	France	44
China	39,047	Japan	103
Italy	32,732	Canada	61
France	31,794	Indonesia	59
Brazil	22,131	Russia	50
Germany	15,517	Korea, South	41
Taiwan*	10,651	Taiwan*	41
Russia	4,980	Chile	30
<b>325,717</b>		<b>1,088</b>	

#### 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:

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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

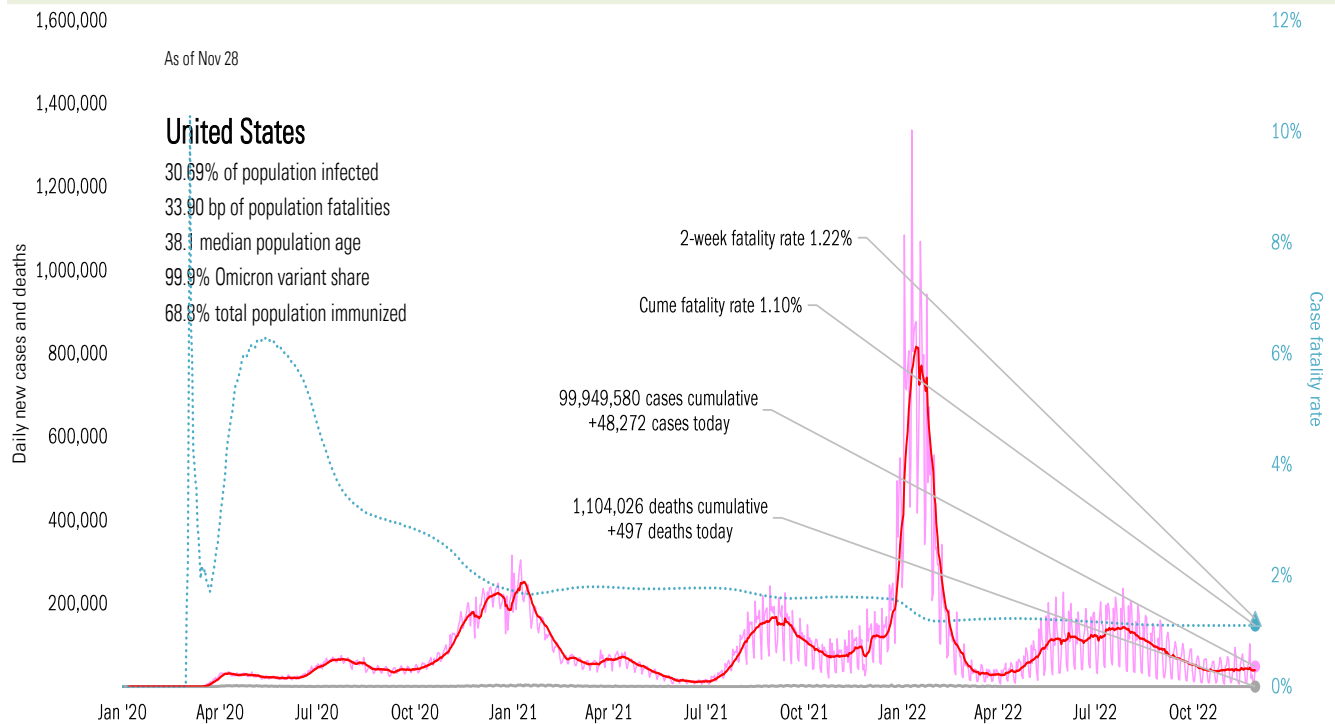
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
NY	10,911		CA	73		GA	110		CA	11,498,173		CA	97,510		TX	555,658		NV	89%	TX	88%
CA	5,685		NY	68		NJ	150		TX	8,094,117		TX	91,397		CA	517,808		WA	88%	AK	88%
FL	3,355		FL	48		TX	230		FL	7,239,478		FL	82,875		FL	503,815		RI	84%	VT	85%
VA	2,222		MI	39		LA	73		NY	6,367,505		NY	73,871		NY	319,819		AK	84%	NV	84%
CO	2,041		NV	24		UT	44		IL	3,869,185		PA	48,271		GA	230,030		NH	83%	NM	81%
AZ	1,916		UT	21		KY	38		PA	3,350,584		GA	41,024		CH	227,649		MA	82%	NC	80%
TX	1,900		PA	21		SC	35		NC	3,268,501		CH	40,466		PA	214,022		MD	82%	NH	80%
CH	1,571		IL	17		TN	48		CH	3,227,759		IL	40,264		IL	195,714		GA	82%	AL	80%
IL	1,387		MS	17		CT	48		GA	2,937,280		MI	39,972		MI	170,171		CR	80%	GA	79%
NJ	1,295		MA	16		PA	153		MI	2,929,612		NJ	35,093		KY	147,830		MO	78%	KY	79%
32,282			343			929			52,782,194			590,743			3,082,516						
All states	48,272		497			2,643			All states	99,949,580		1,104,026			5,600,650			All states	70%	67%	
Top ten	67%		69%			35%			Top ten	53%		55%			55%			Median	73%	72%	

Some states not reporting

## Five most improved US states

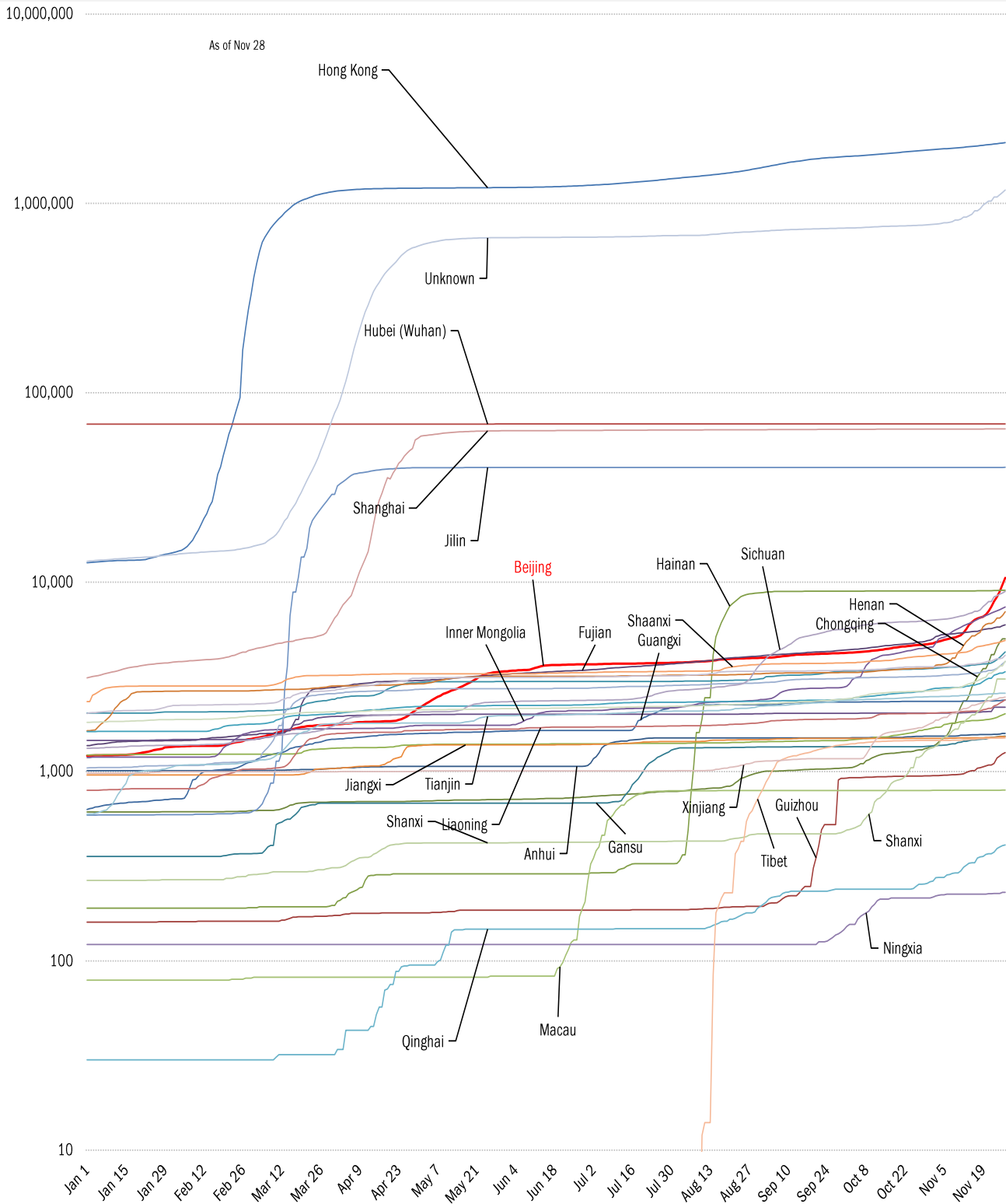
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
PA	-849	FL	-48	CA	-520
CA	-845	VA	-20	NY	-168
AR	-189	WI	-15	AZ	-114
MO	-144	AK	0	IL	-94
CT	-131	AL	0	MA	-60



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"*

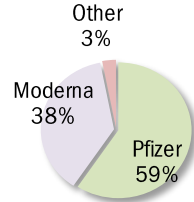


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

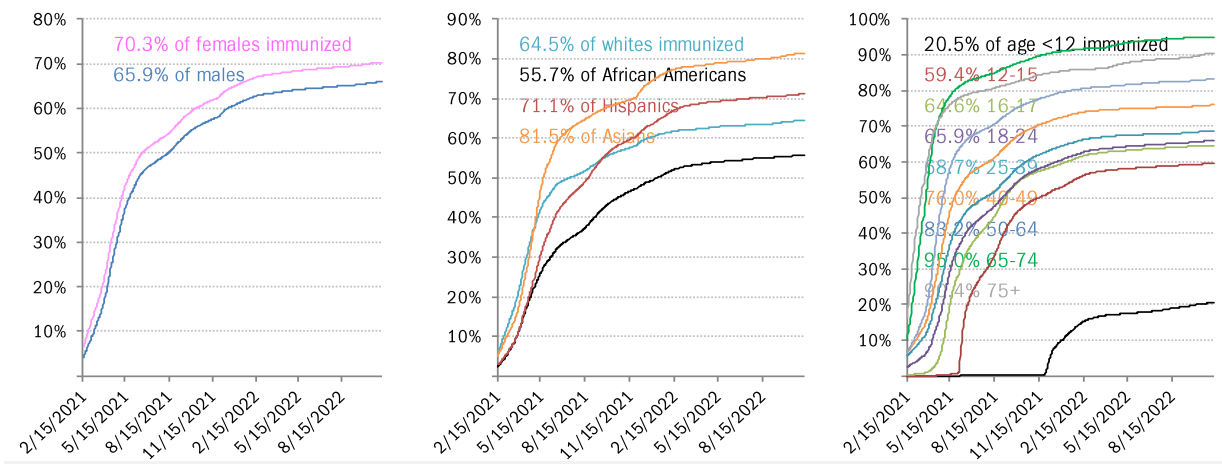
"Immunity" = two doses

Global data differs due to sources, timing

As of Nov 18

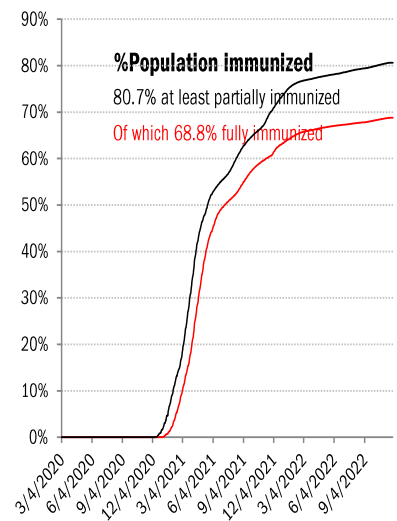
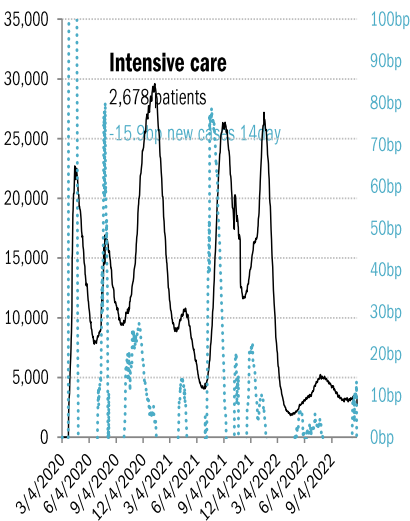
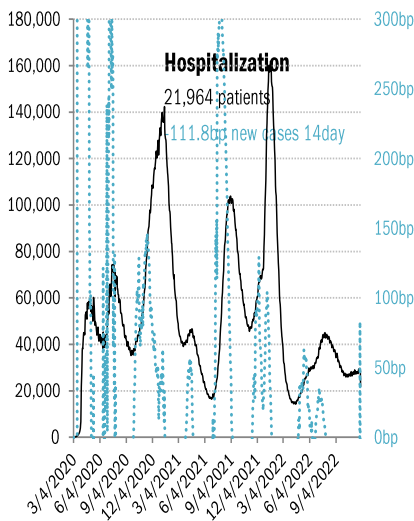
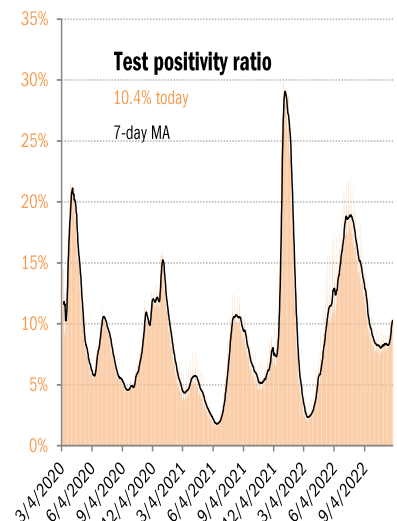
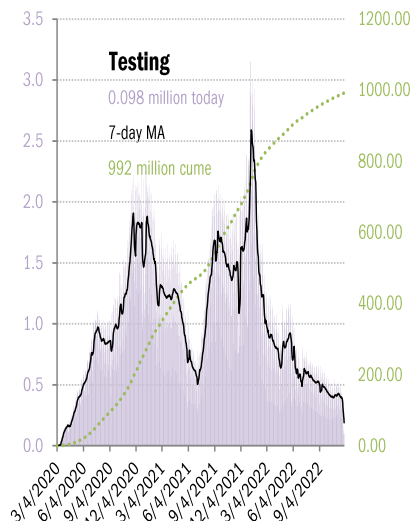
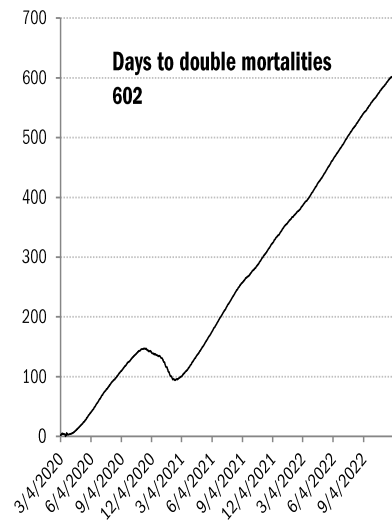
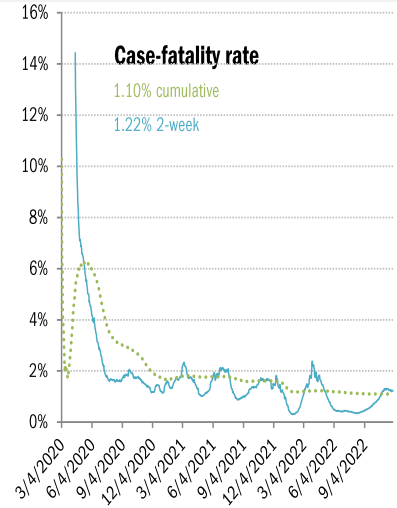
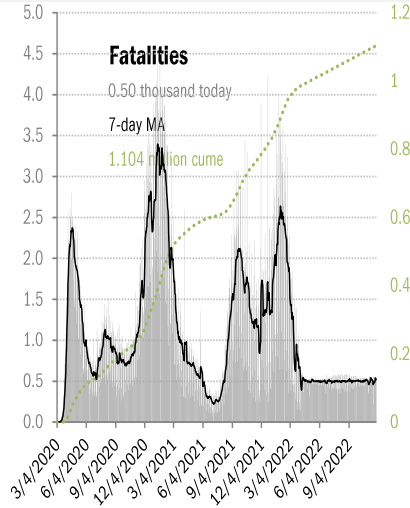
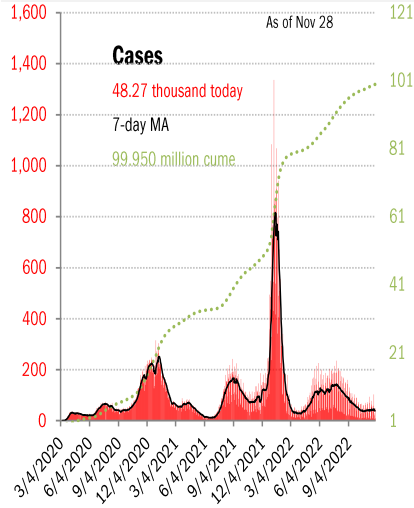
					WI							ME
					74.4%							95.0%
					67.7%							82.5%
WA	ID	MT	ND	MN	IL	MI				NY	VT	NH
84.4%	63.4%	67.7%	68.6%	78.0%	78.7%	69.0%			93.5%	95.0%	86.3%	
75.3%	56.0%	58.7%	58.0%	71.5%	70.8%	61.9%			79.9%	84.6%	70.5%	
OR	NV	WY	SD	IA	IN	OH	PA			NJ	MA	
80.7%	78.1%	60.4%	82.6%	70.1%	63.9%	65.2%	89.4%		93.7%	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

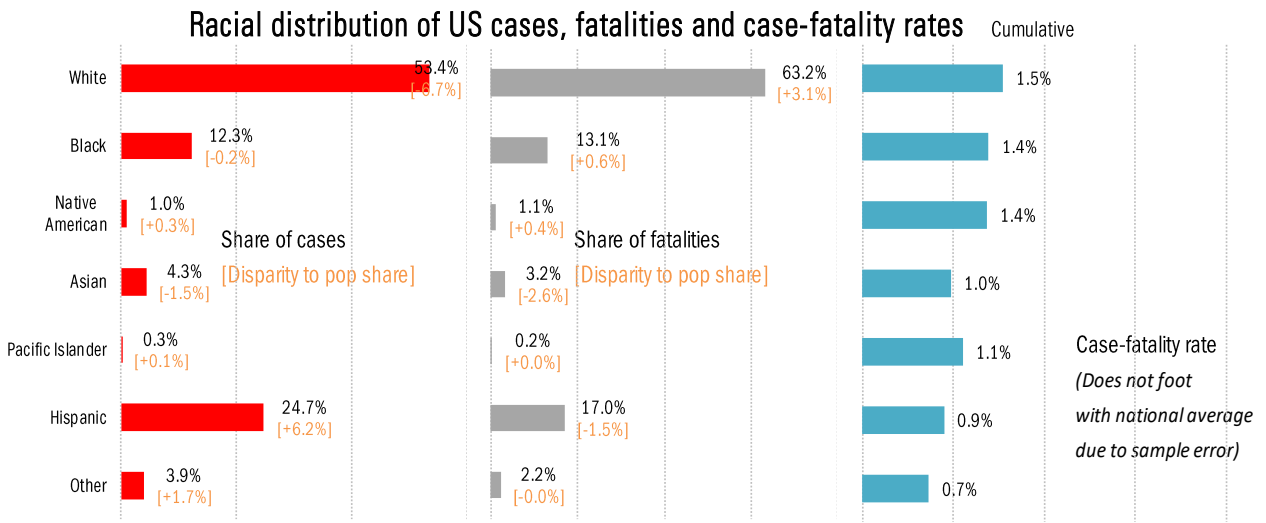
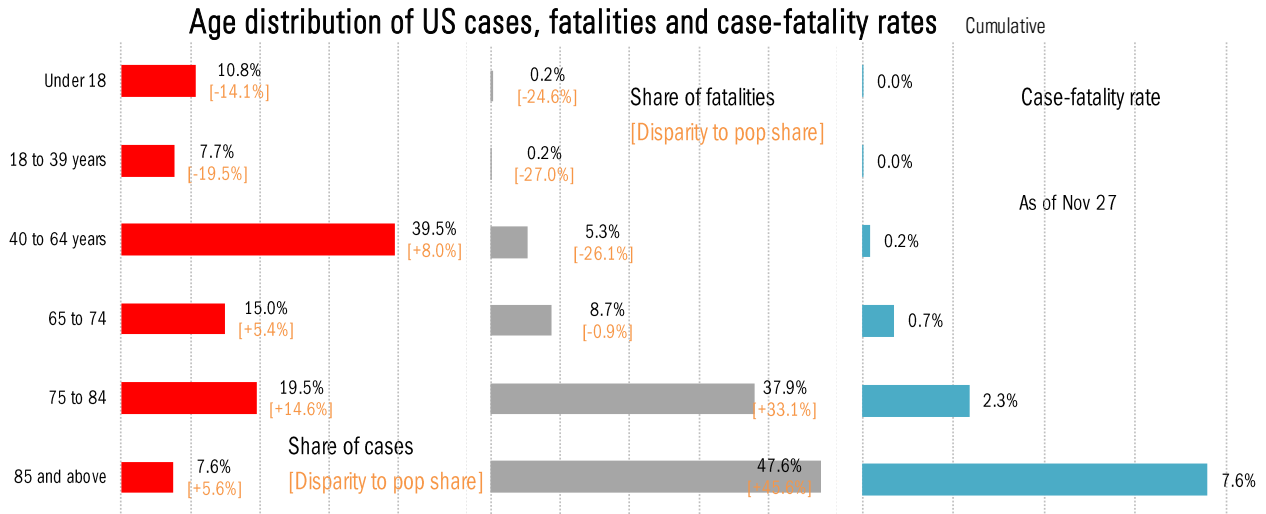


Source: CDC, CDC, Our World in Data, TrendMacro calculations

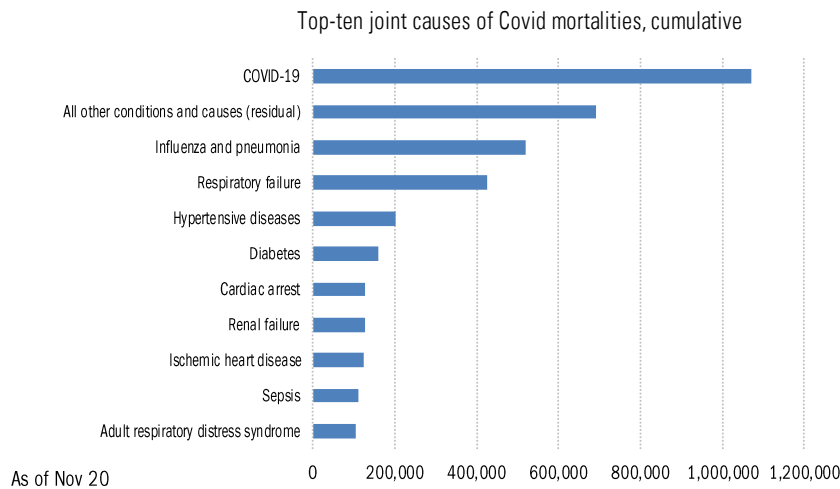
# US deep-dive



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

### [How white squares became the symbol of China's protest movement](#)

Julia Malleck  
*Quartz*  
November 28, 2022

### [Chinese Protests Put Xi Jinping in a Bind](#)

Lingling Wei  
*Wall Street Journal*  
November 28, 2022

### [Fauci's 7-Hour Deposition: What We Know So far](#)

*Brownstone Institute*  
November 27, 2022

### [COVID vaccines: "We flew the aeroplane while we were still building it"](#)

Katie Kingwell  
*Nature Reviews*  
November 11, 2022

### [WHO recommends new name for monkeypox disease](#)

*World Health Organization*  
November 28, 2022

### [Monkeypox Has a New Name: Mpox](#)

Andrew Jacobs  
*New York Times*  
November 28, 2022

### [US officials pressured Canada to stop 'Freedom Convoy,' new testimony reveals](#)

Victor Nava  
*New York Post*  
November 24, 2022

### [The protests in China - a reading list](#)

Adam Tooze  
*Chartbook*  
November 28, 2022

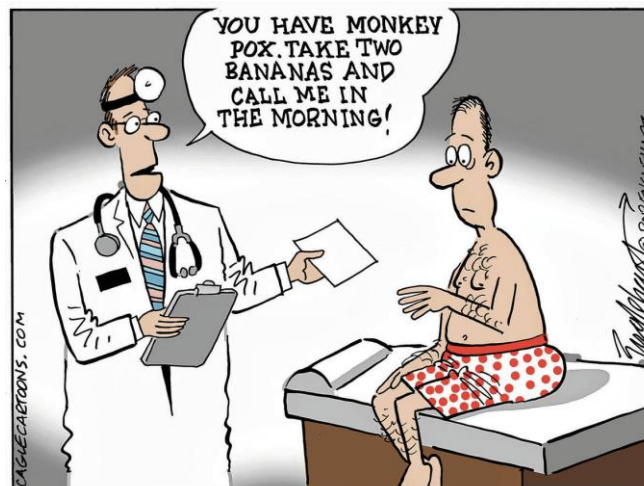
### [Apple to Lose 6 Million iPhone Pros From Tumult at China Plant](#)

Vlad Savov  
*Bloomberg*  
November 28, 2022

### [Goldman Says China May End Covid Zero Earlier Than Expected](#)

*Bloomberg*  
November 27, 2022

## Meme of the Day

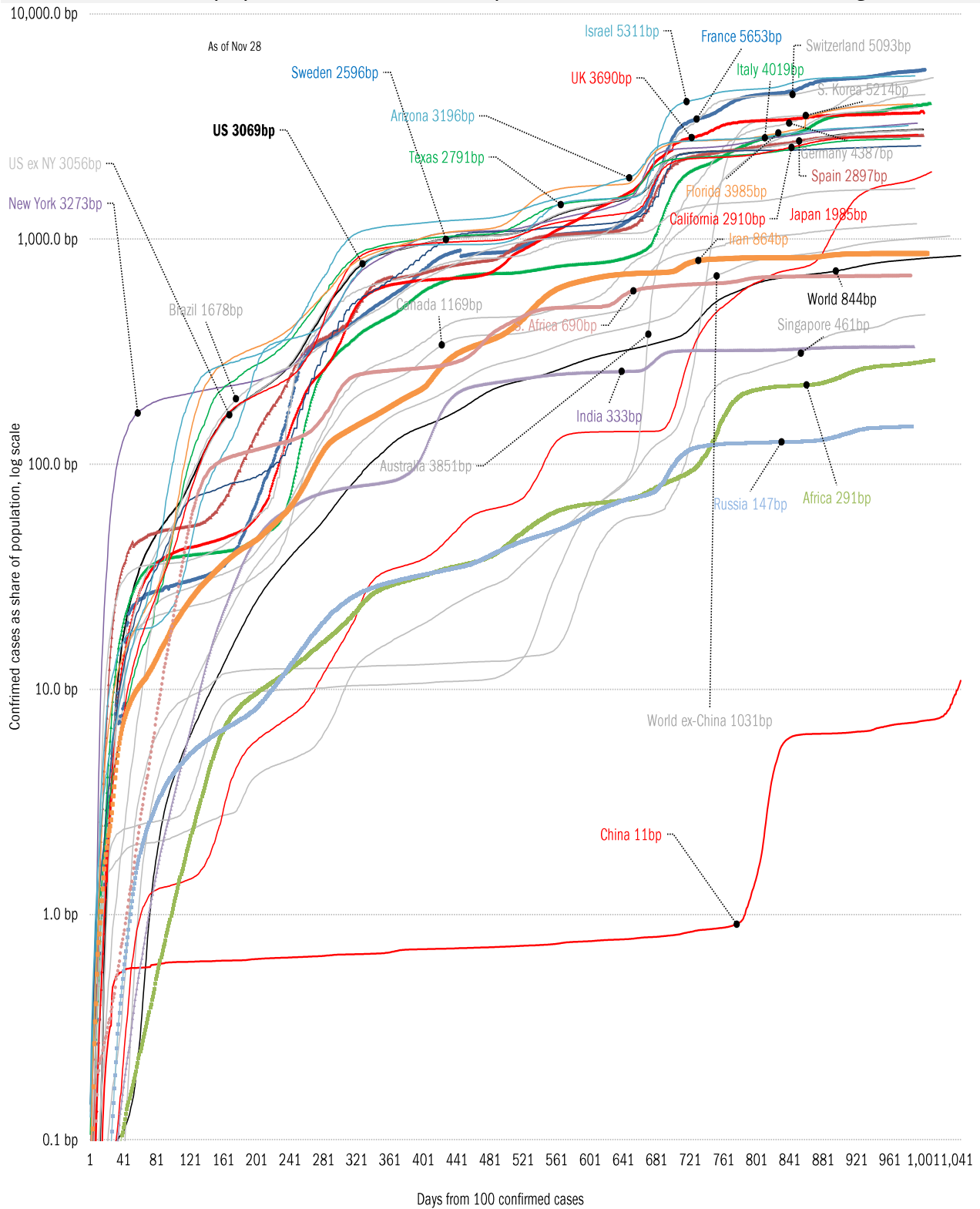


Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)



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

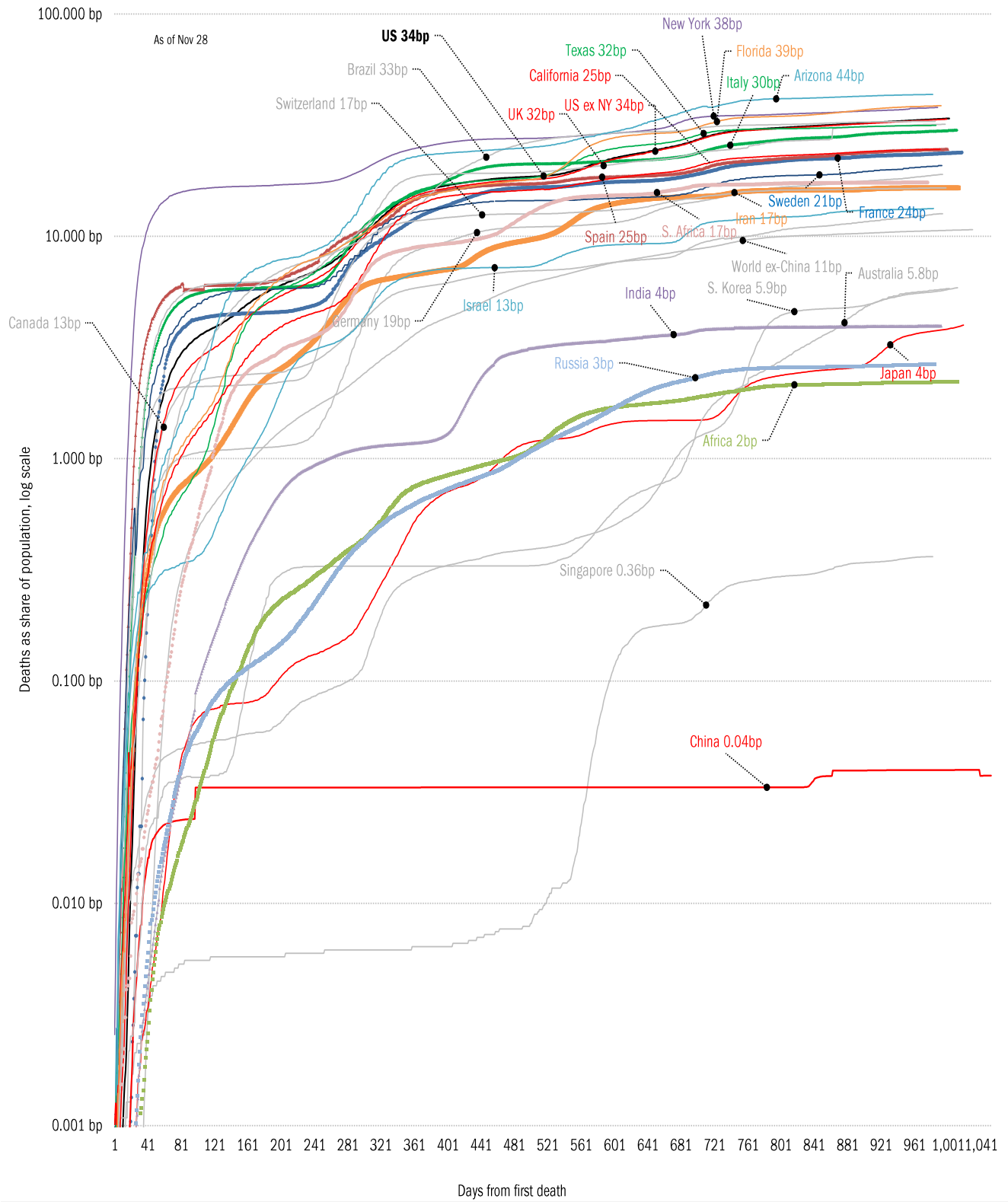
*Share of infected population from first day with 100 confirmed cases, log scale*



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*

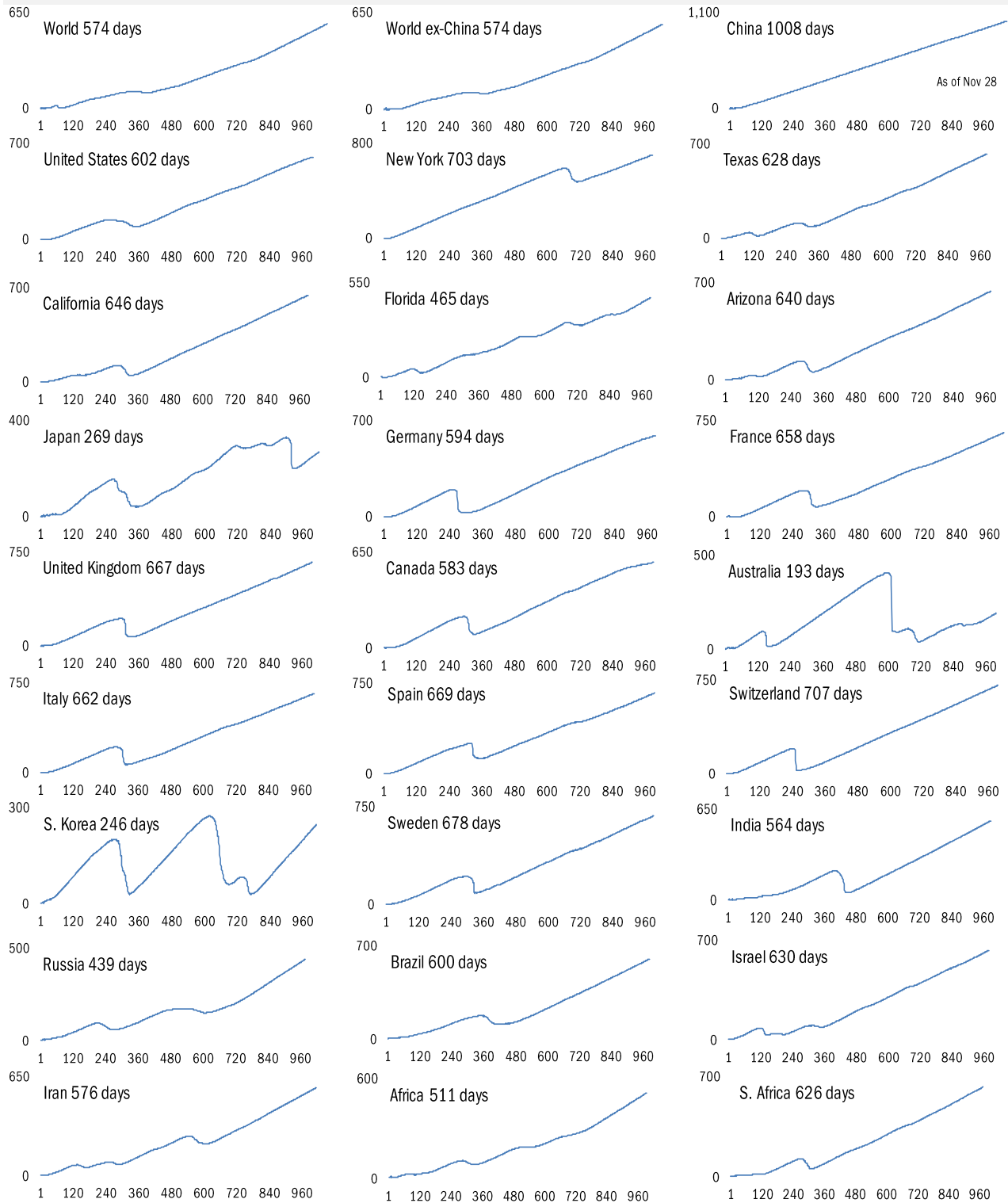


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

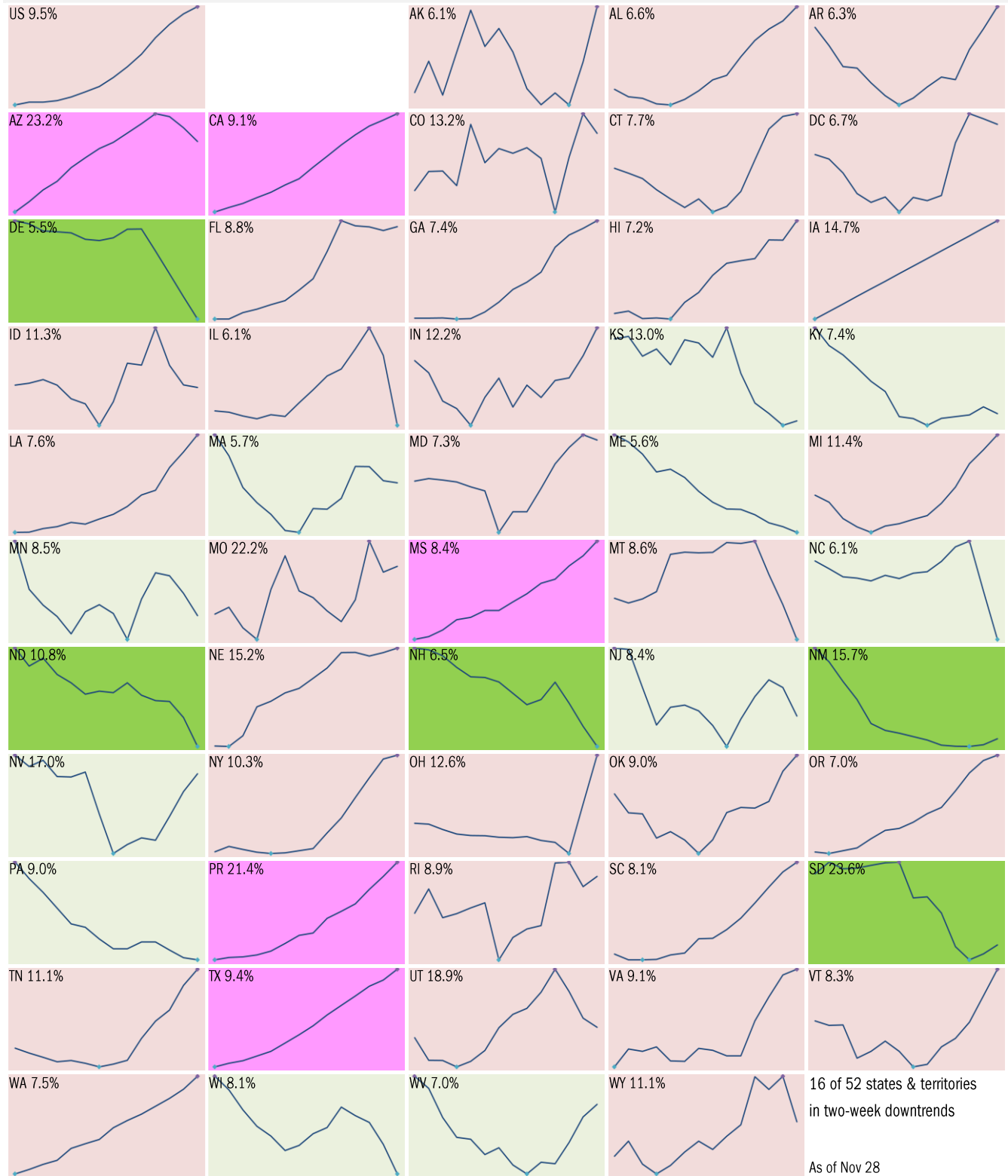


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

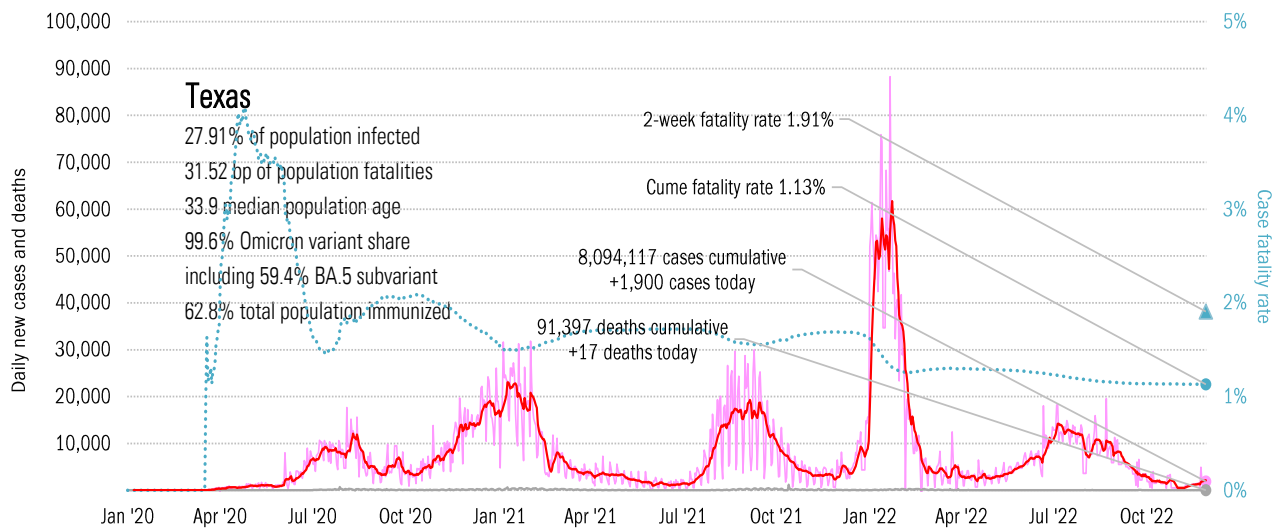
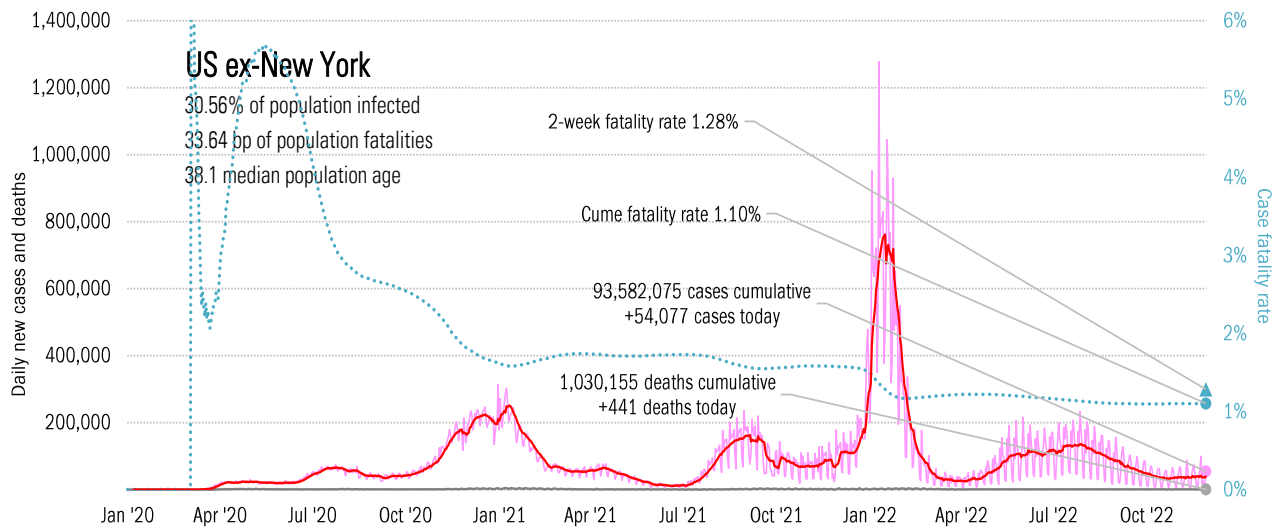
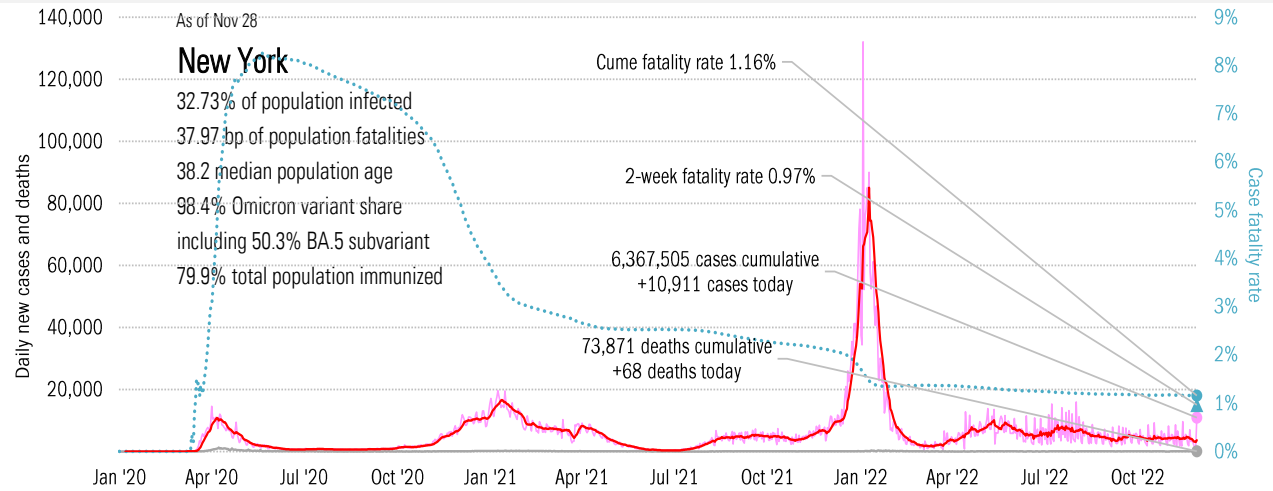
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

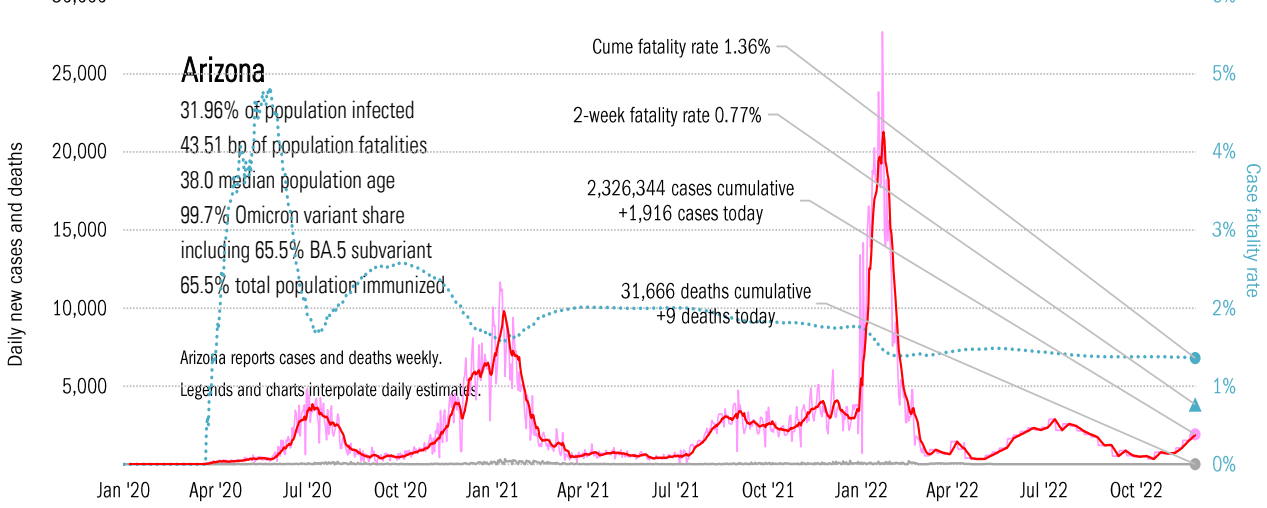
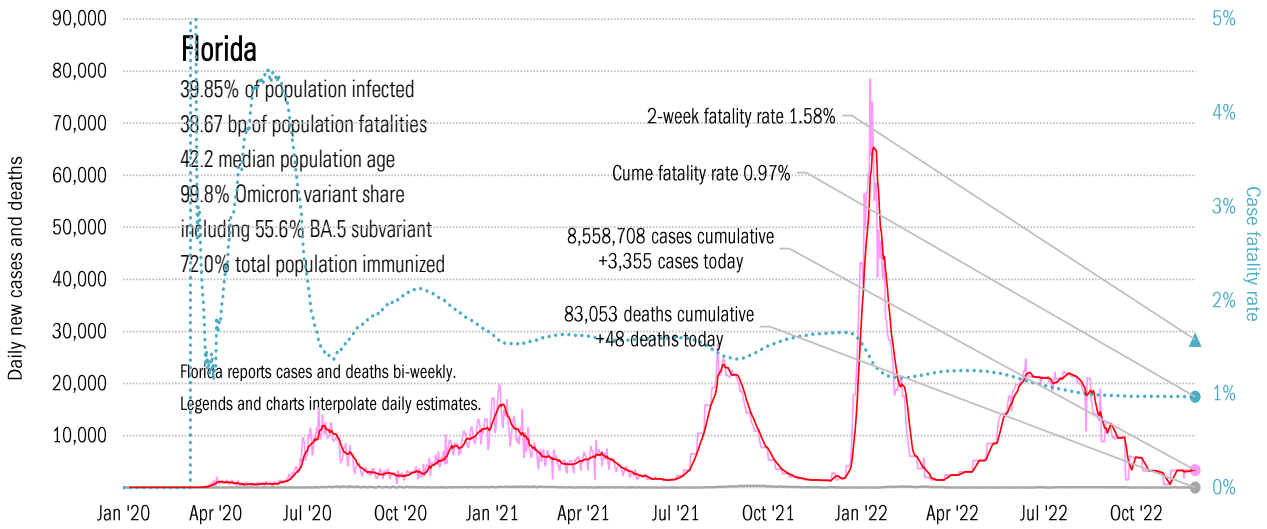
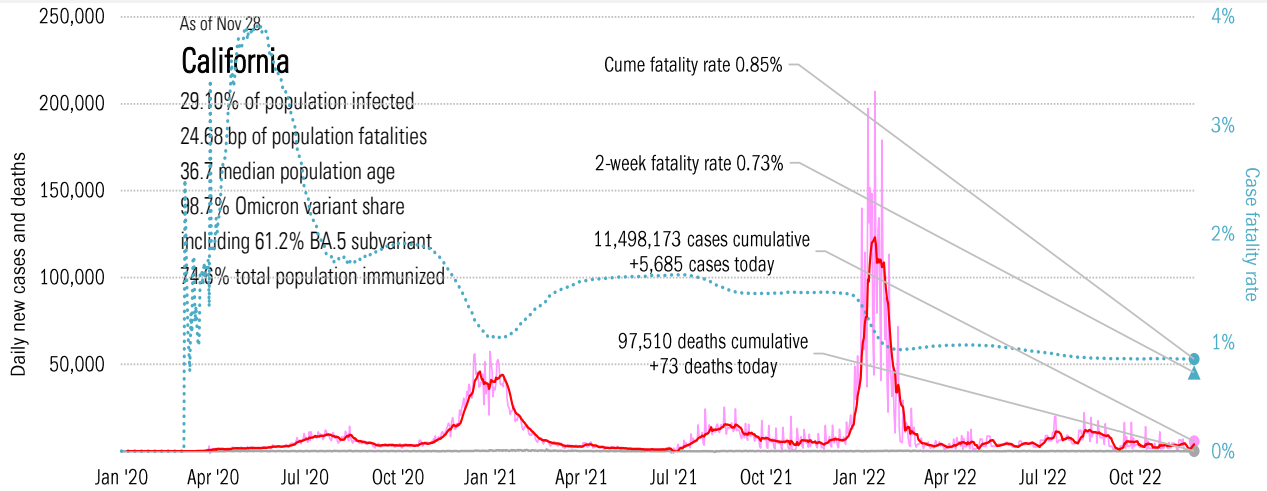
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

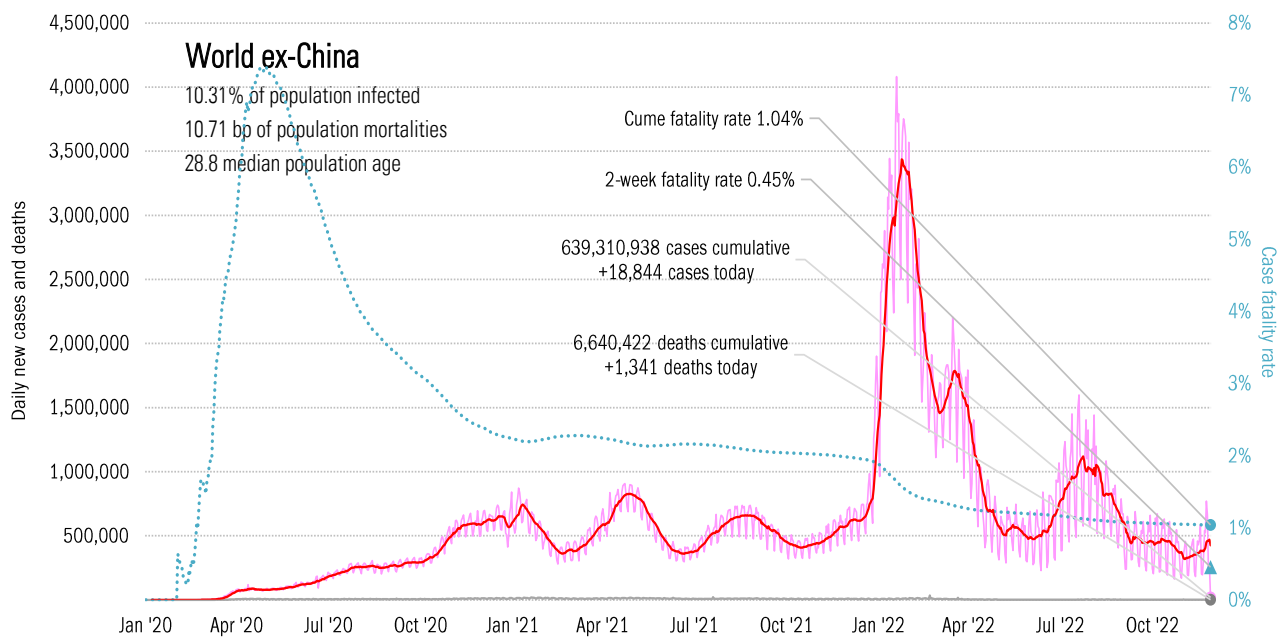
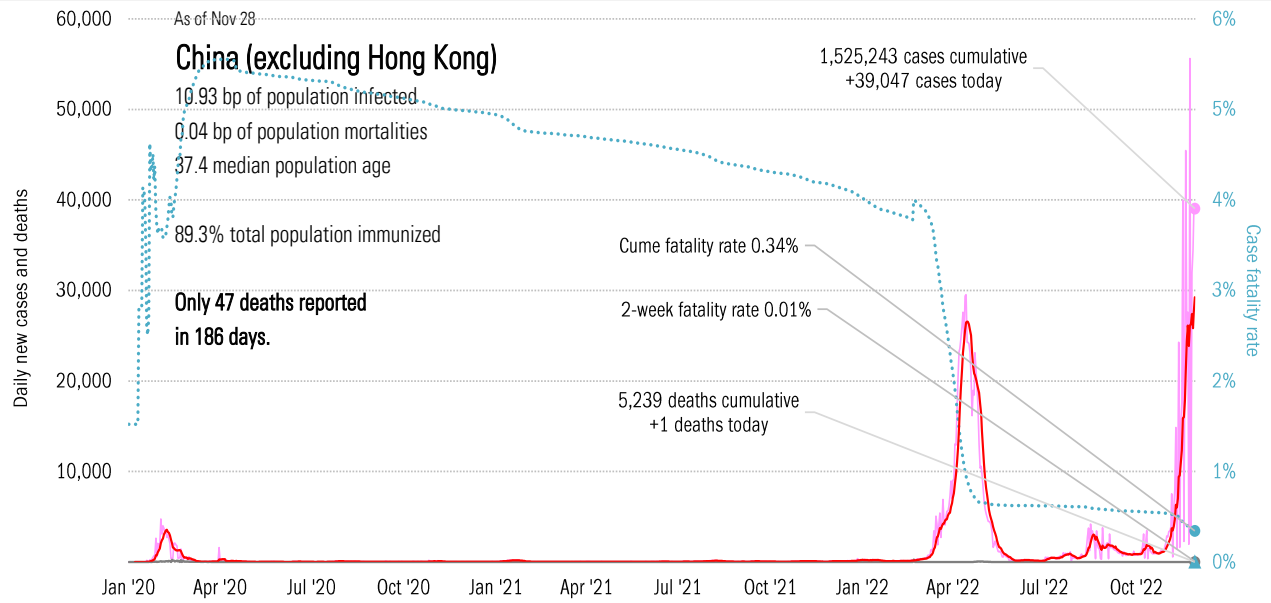
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

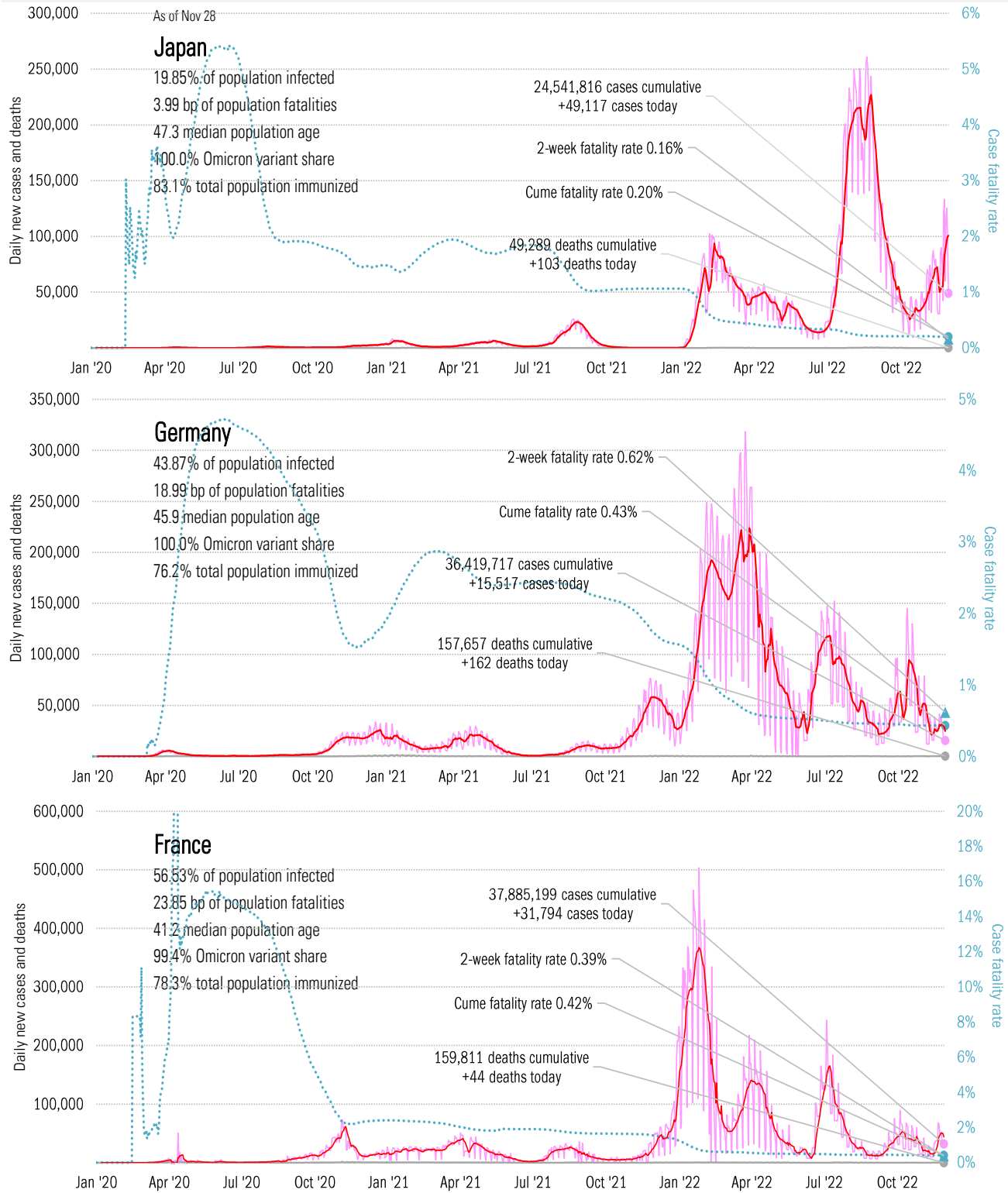


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

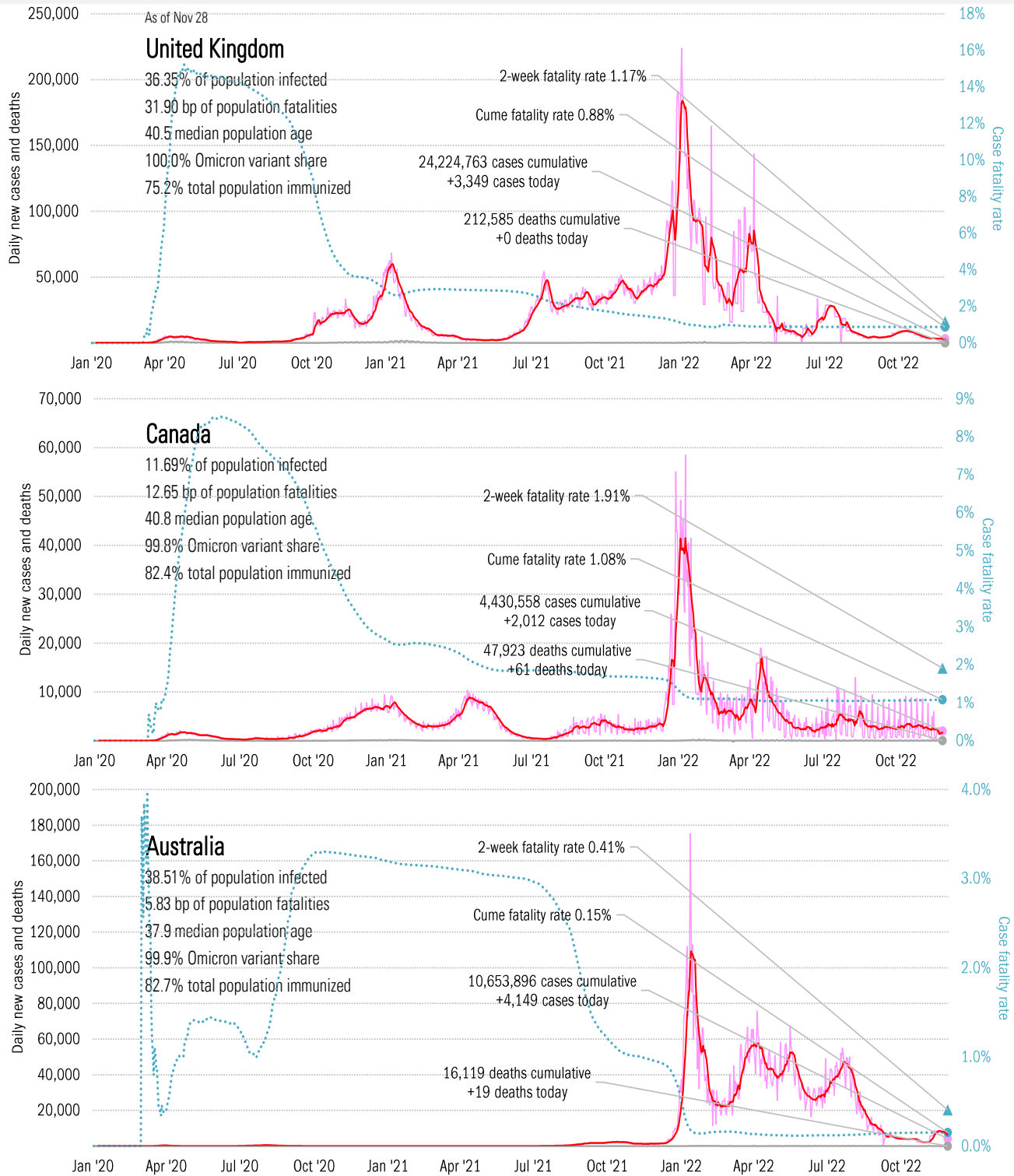
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Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in The Anglosphere

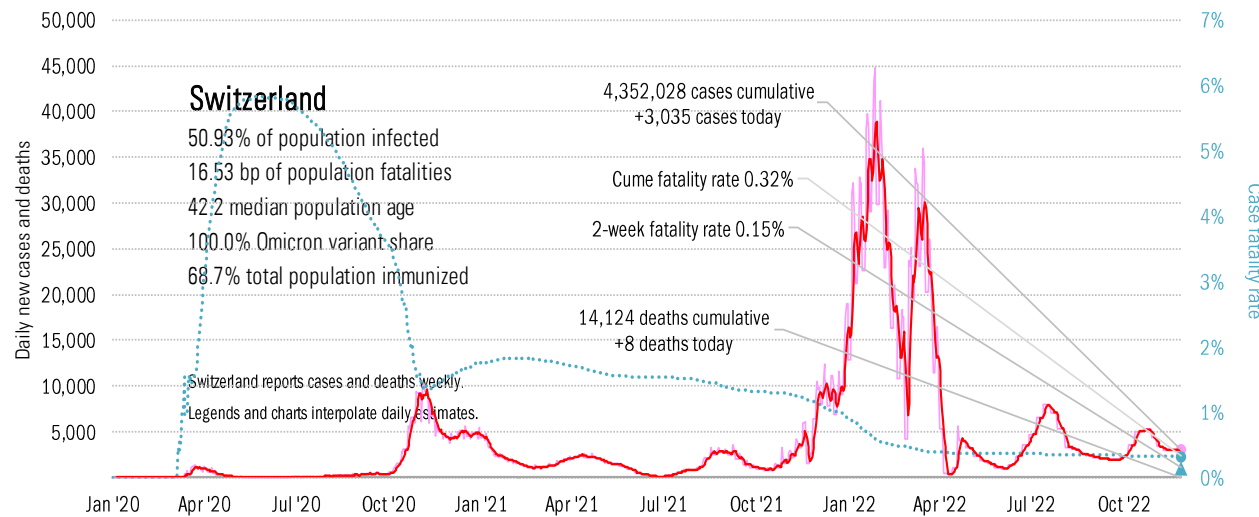
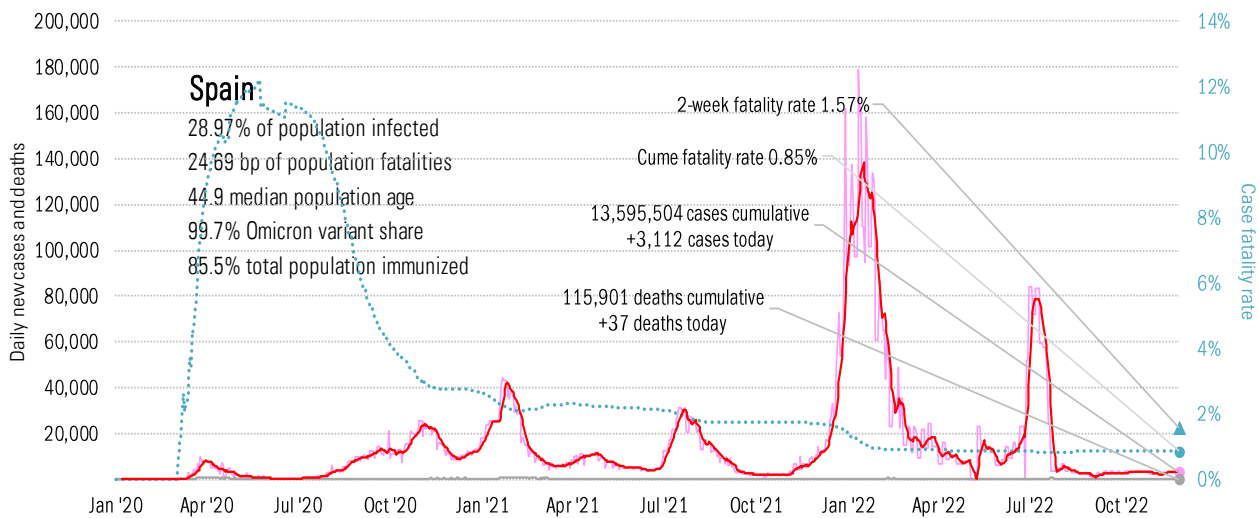
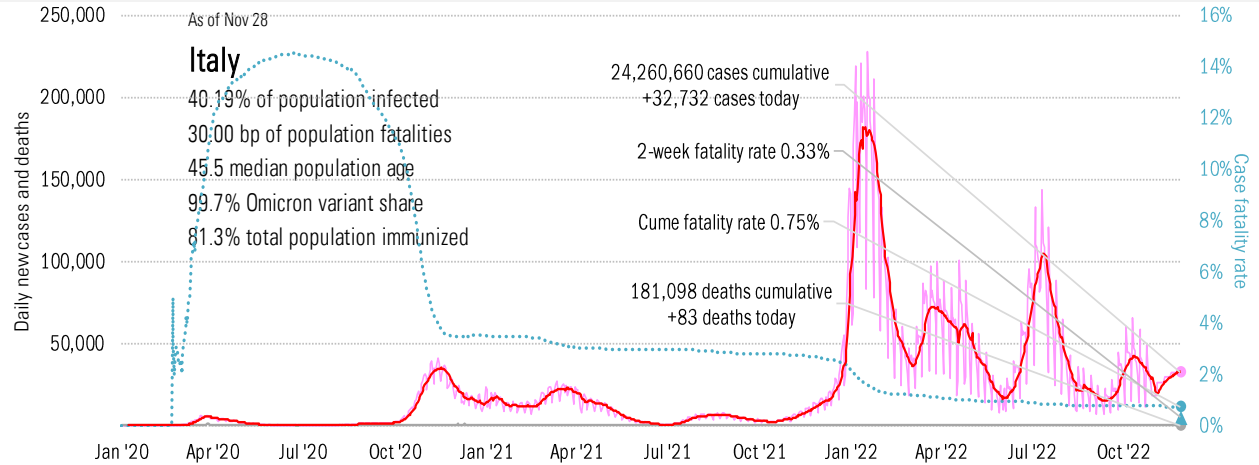
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

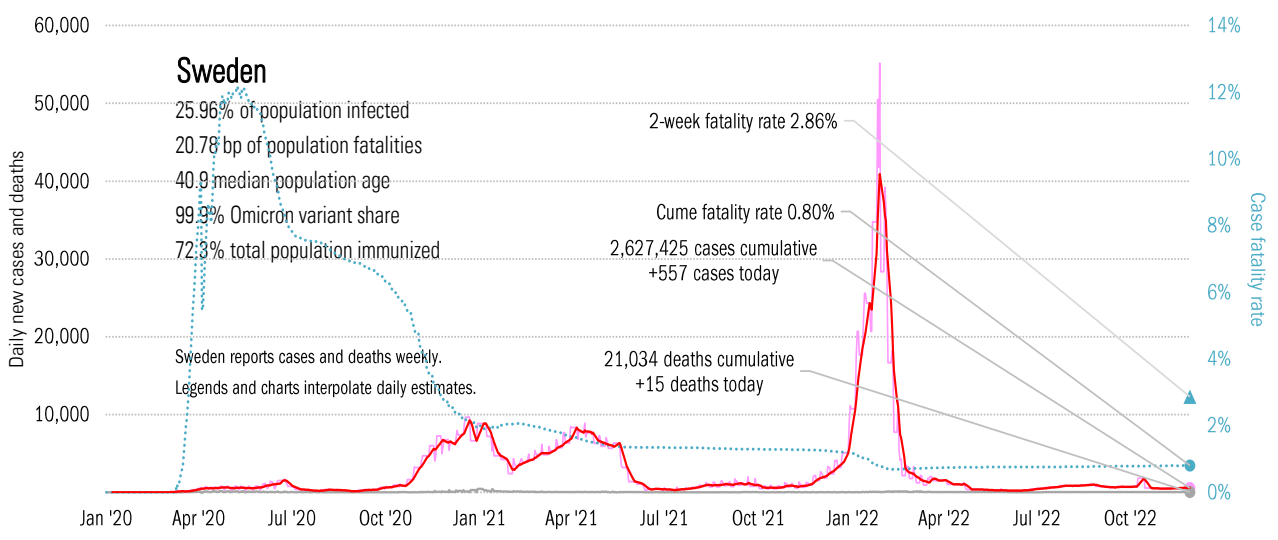
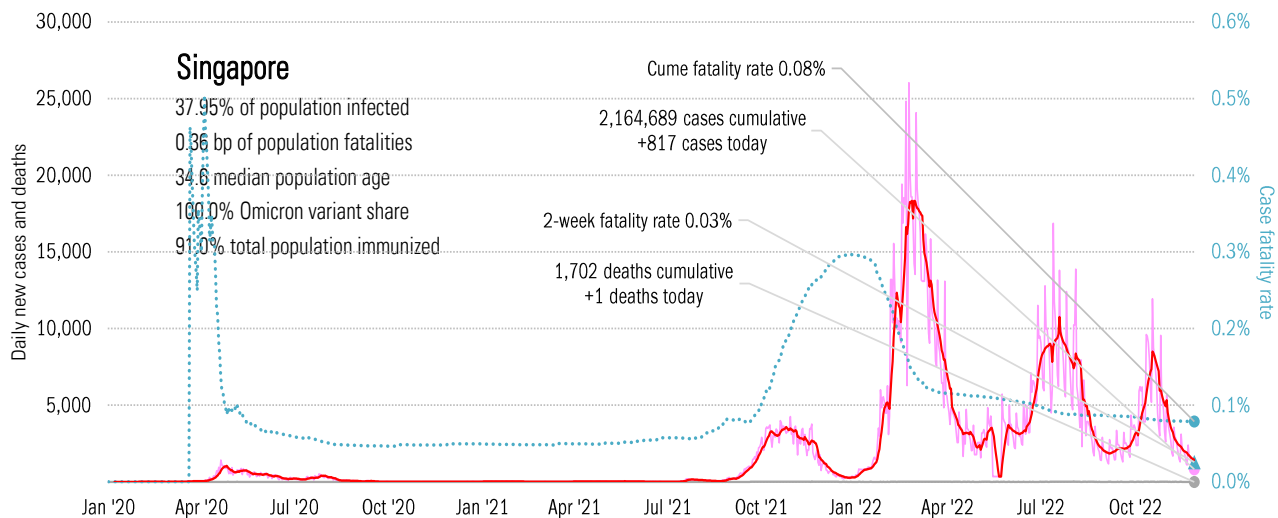
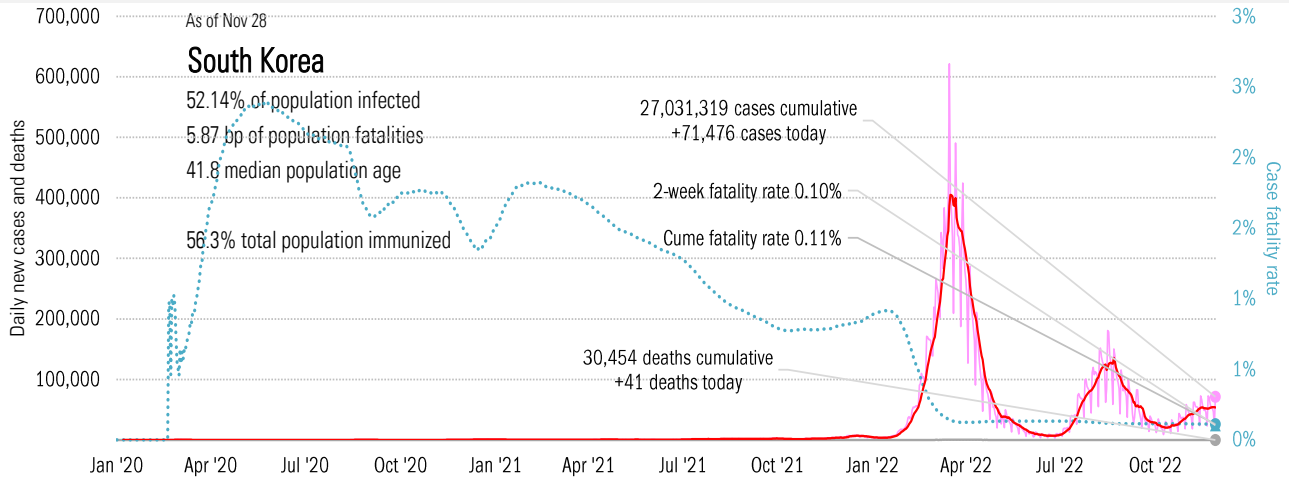
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

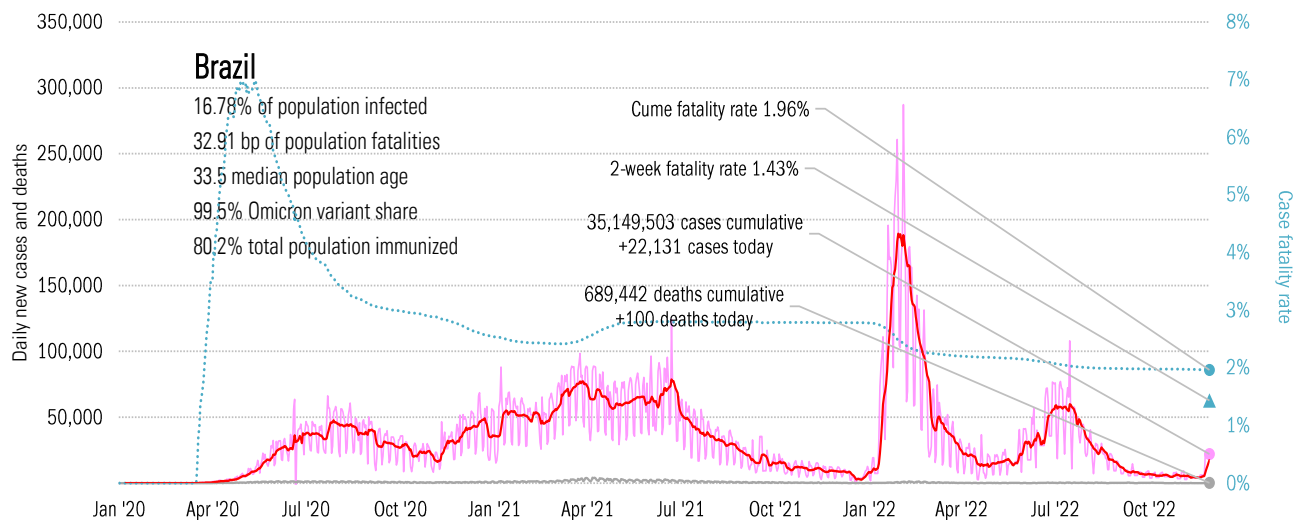
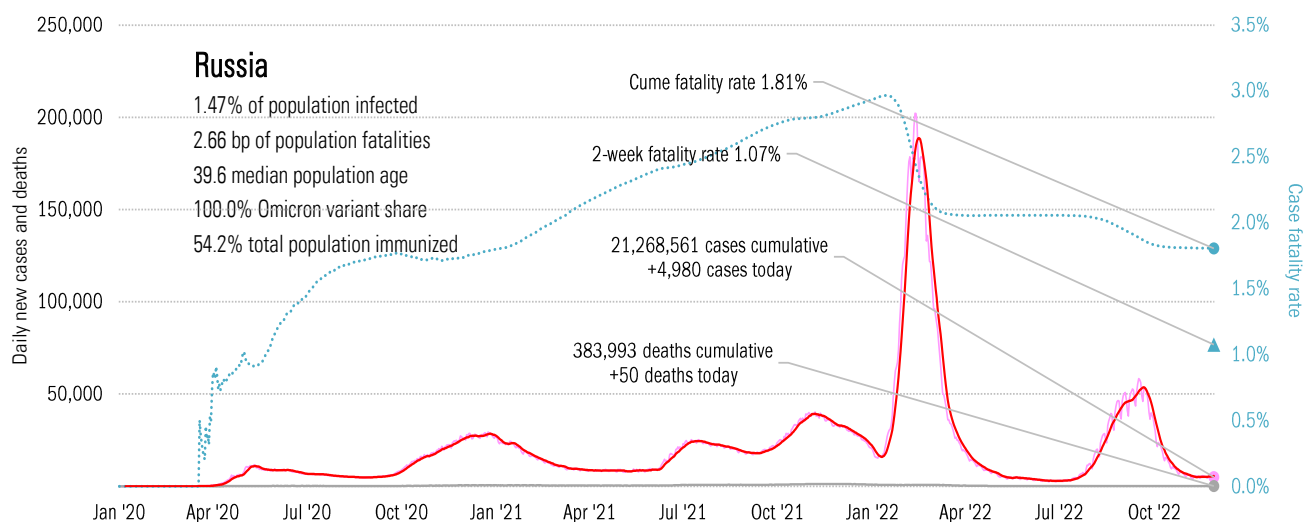
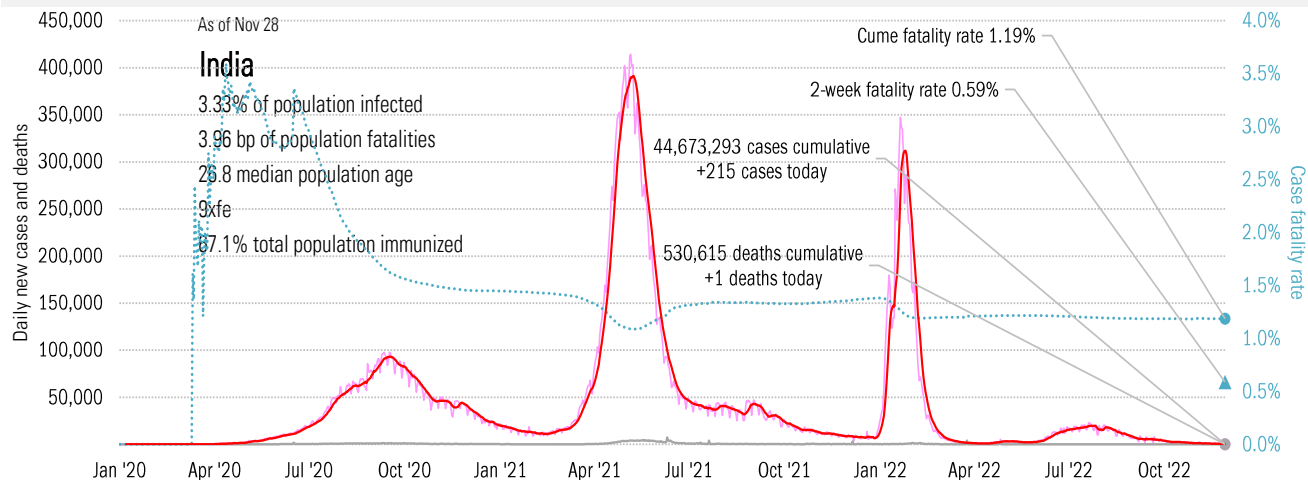
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

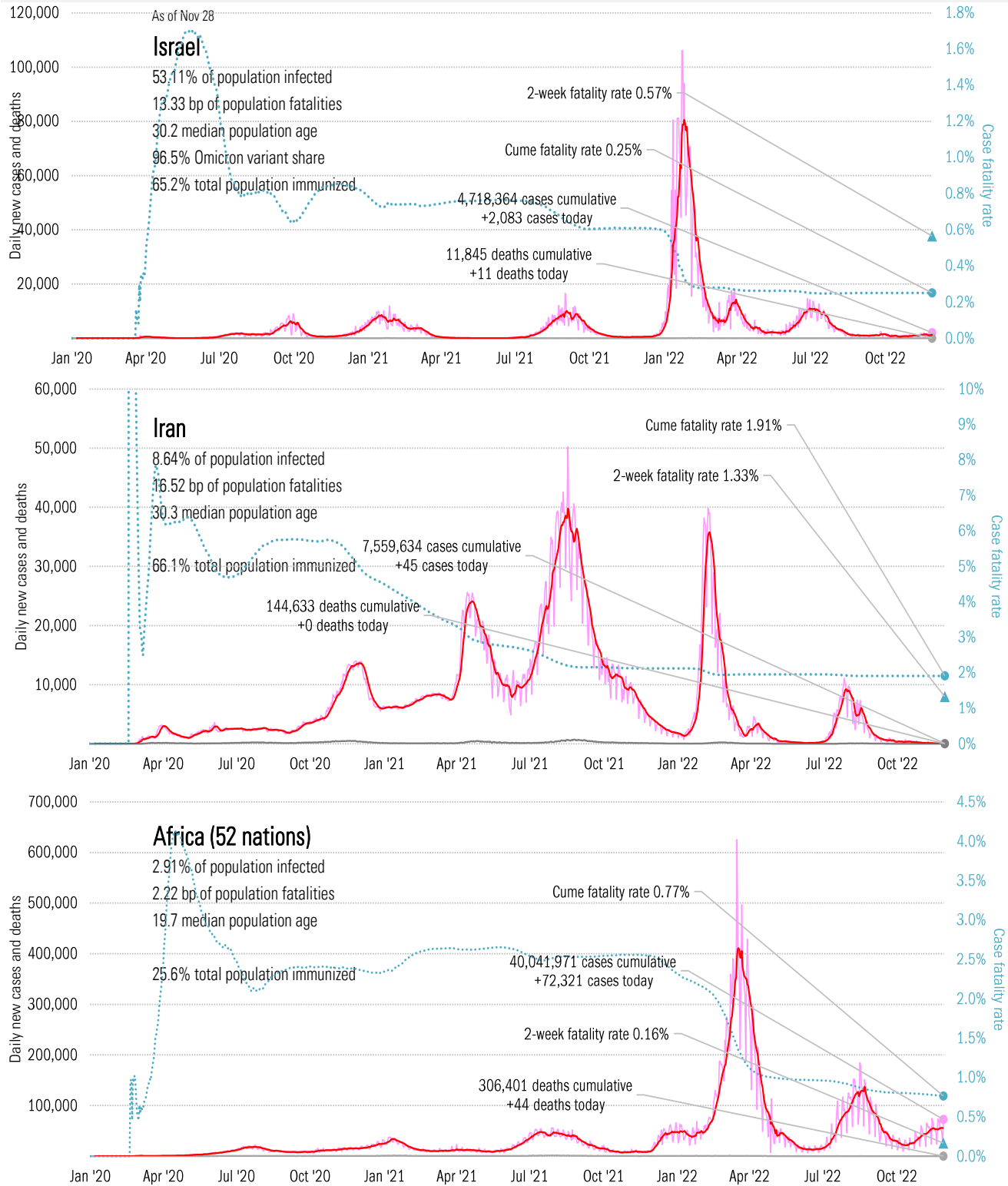
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

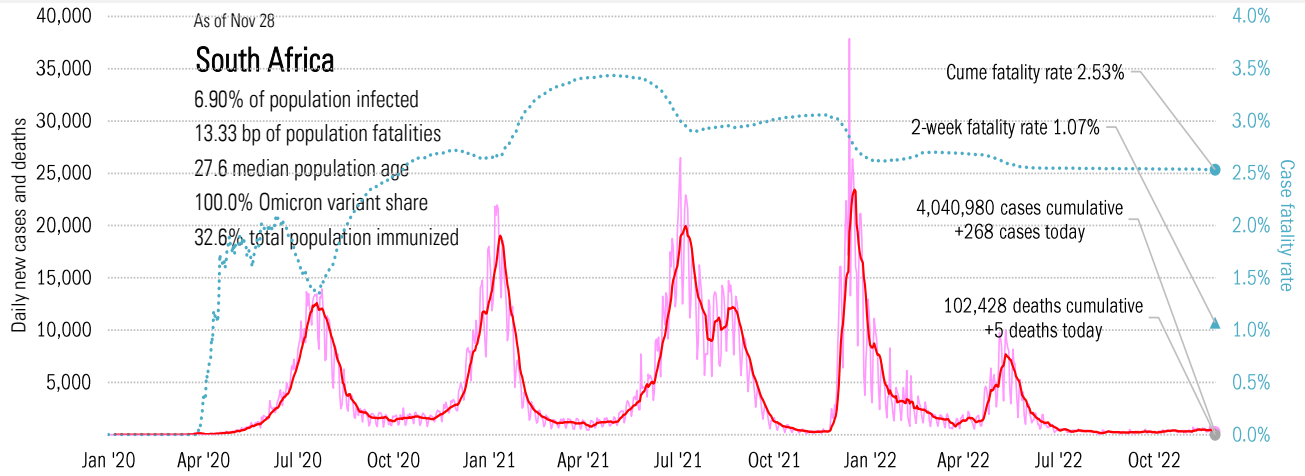
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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