

## Data Insights: Covid-2019 Monitor

Sunday, January 1, 2023

### The global scorecard

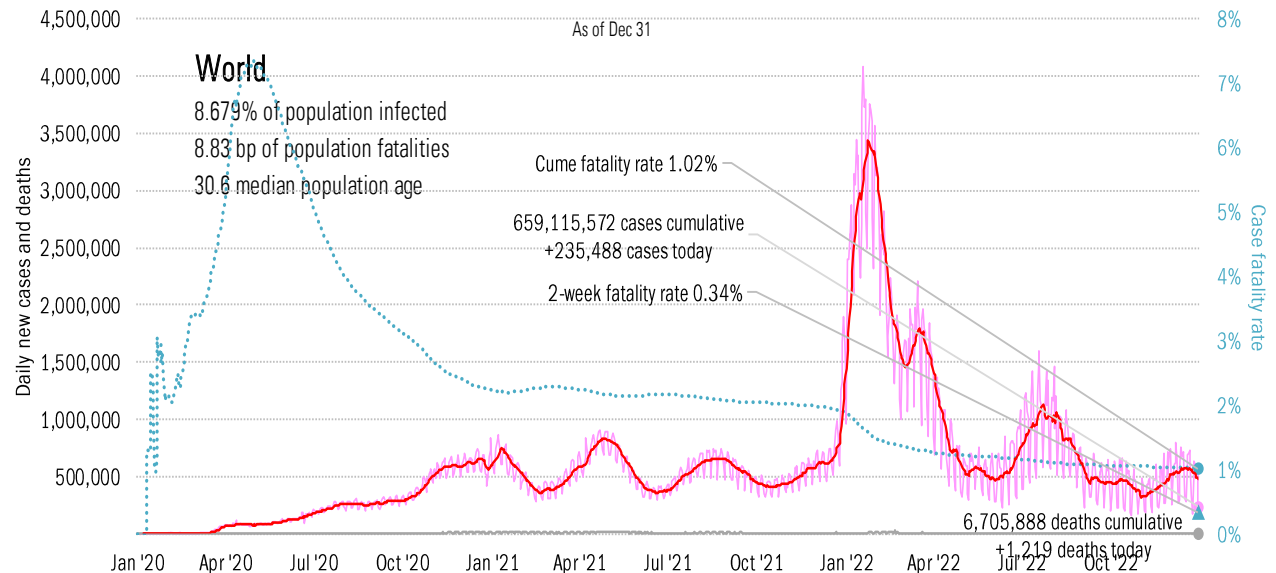
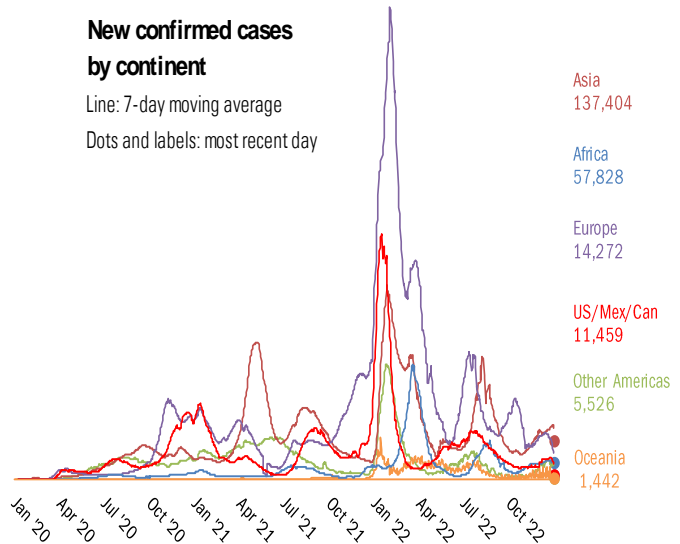
Cases: **7-day average** and **daily** Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Japan	107,465	United States	297
United States	58,377	Japan	292
Korea, South	57,527	Germany	144
Brazil	28,866	Brazil	119
Taiwan*	25,740	France	115
Germany	23,896	Italy	101
France	23,808	Korea, South	63
Italy	17,443	Russia	57
United Kingdom	6,580	Taiwan*	38
Russia	5,469	Peru	31
<b>355,171</b>		<b>1,257</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

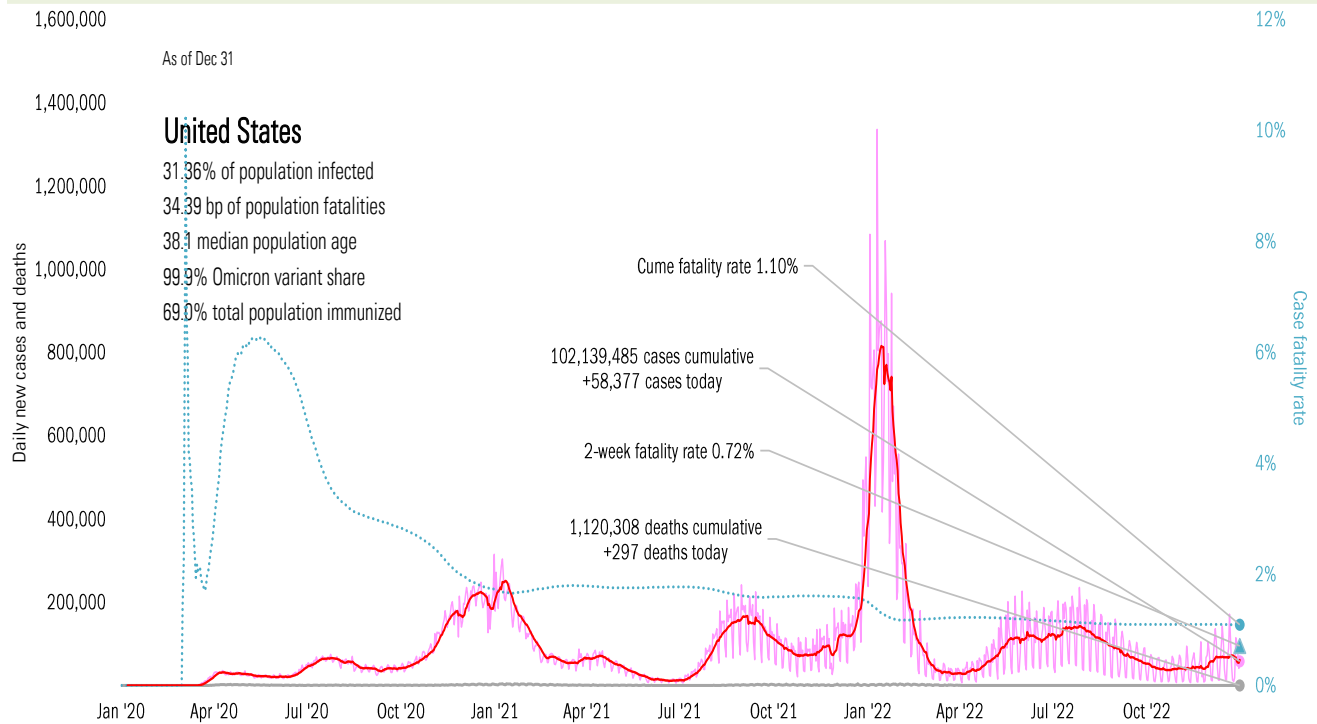
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
CA	9,012		NY	61		TX	772		CA	11,829,499		CA	98,637		TX	568,987		WA	88%	NM	92%
NJ	3,654		NV	46		GA	264		TX	8,227,889		TX	91,818		CA	542,176		NH	87%	VT	88%
FL	3,649		FL	43		FL	445		FL	7,338,503		FL	83,906		FL	513,960		RI	87%	AL	88%
IL	3,288		NJ	24		CA	795		NY	6,574,004		NY	75,139		NY	335,621		DE	87%	TX	87%
NY	2,935		CA	21		NY	546		IL	3,969,832		PA	48,892		CH	235,888		MA	86%	NC	87%
VA	2,435		IL	21		CH	314		PA	3,416,142		GA	41,417		GA	234,462		AK	86%	NH	87%
NC	2,382		AZ	21		NC	235		NC	3,316,814		CH	40,928		PA	220,501		MO	85%	MA	86%
TN	1,913		TX	21		VA	200		CH	3,307,568		MI	40,767		IL	204,107		MD	84%	MS	84%
CH	1,864		MD	14		MO	165		MI	2,988,654		IL	40,678		MI	175,061		MN	84%	AK	83%
PA	1,741		PA	13		IL	261		GA	2,985,193		NJ	35,510		NJ	153,278		WV	84%	MO	83%
<b>32,873</b>			<b>284</b>			<b>3,997</b>			<b>53,954,098</b>			<b>597,692</b>			<b>3,184,041</b>						
All states	58,377			297			6,945		All states	102,139,485			1,120,308			5,779,707		All states	70%		67%
Top ten	56%			96%			58%		Top ten	54%			55%			55%		Median	78%		79%

Some states not reporting

## Five most improved US states

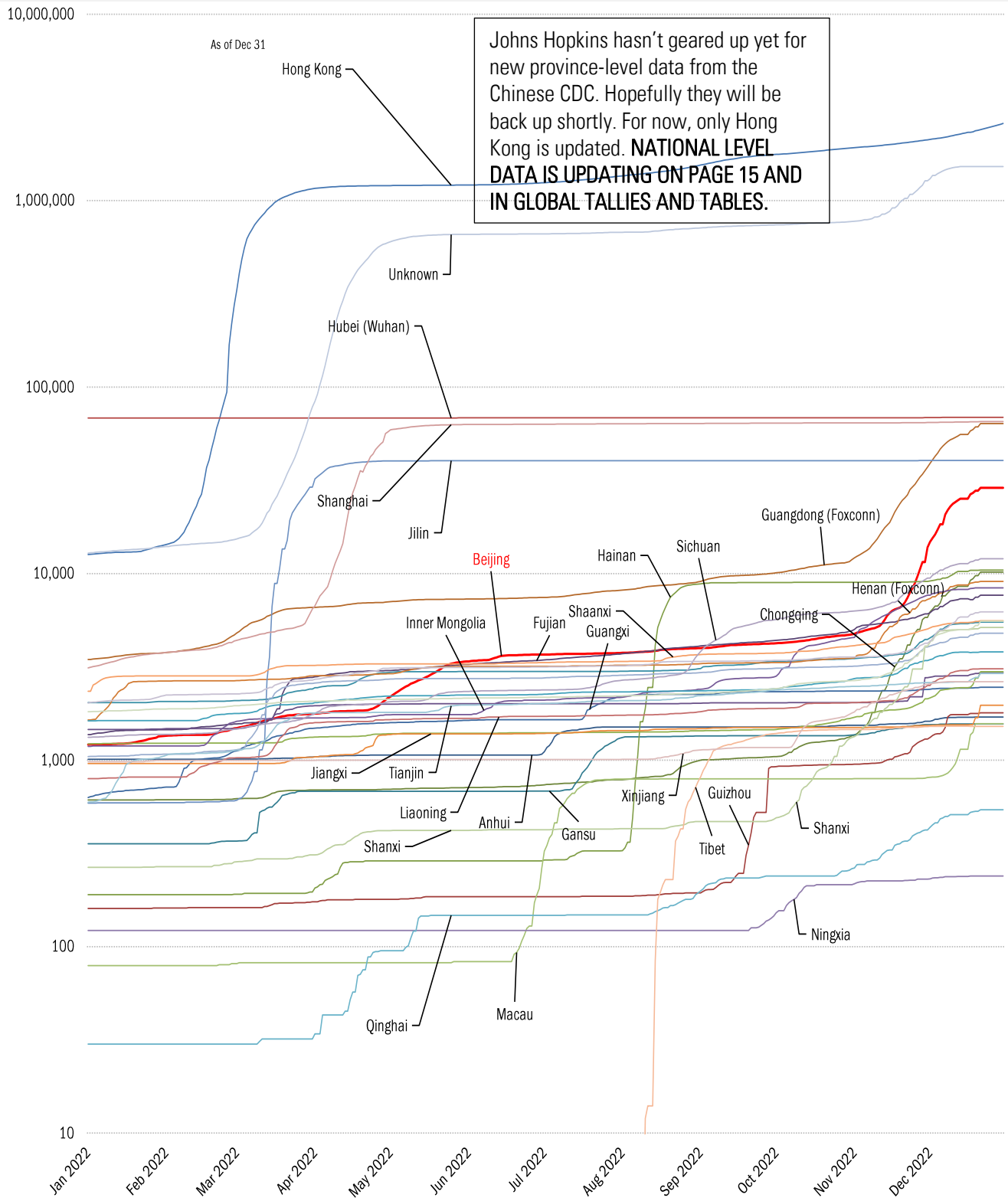
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-4,745	FL	-43	NV	-35
AR	-1,151	NM	-6	CT	-21
CT	-43	MT	-4	CO	-17
AK	0	NH	-4	NJ	-14
AL	0	MO	-2	NH	-13



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"*

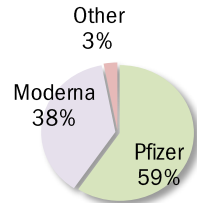


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	680,393,511		+0.244 million		US	69.0%	80.8%
			Of which boosters: +0.214 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	New immune today	France	78.4%
Total population	276,758,611	83%	235,944,128	71%	+0.021 million	Spain	85.5%
Age 12 to 17	18,413,123	73%	15,763,488	62%	+0.001 million	Germany	76.2%
Age 18 to 64	184,058,504	90%	156,476,533	77%	+0.013 million	Italy	81.3%
Age 65 and over	60,960,848	100%	53,388,685	97%	+0.004 million	Australia	82.7%
						Israel	65.2%
						Canada	82.5%
						Japan	83.2%
						Africa	27.5%
						India	67.1%
						Brazil	81.2%
						China	89.4%



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

AK	72.8%
	64.9%

"Immunity" = two doses

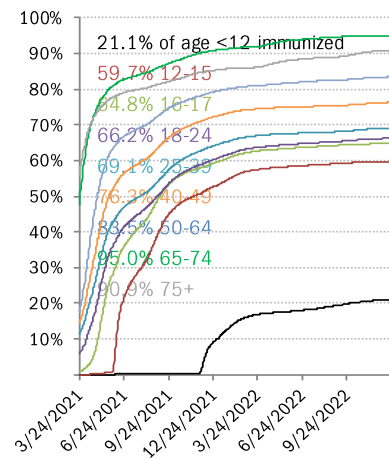
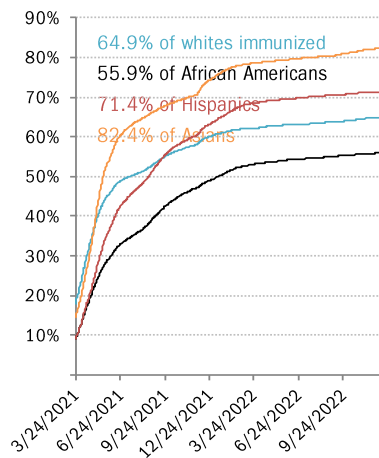
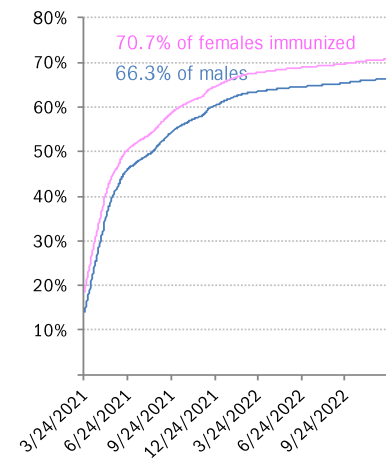
WI	74.9%
	68.0%

As of Dec 30

ME	95.0%
	83.0%

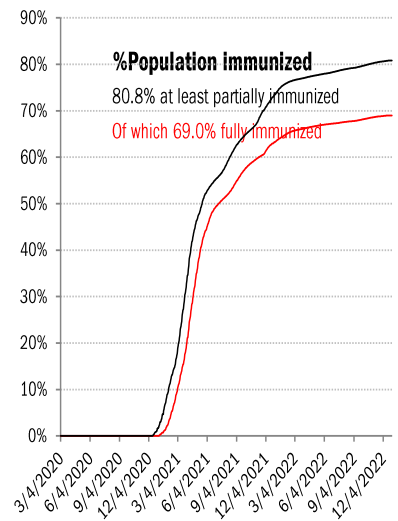
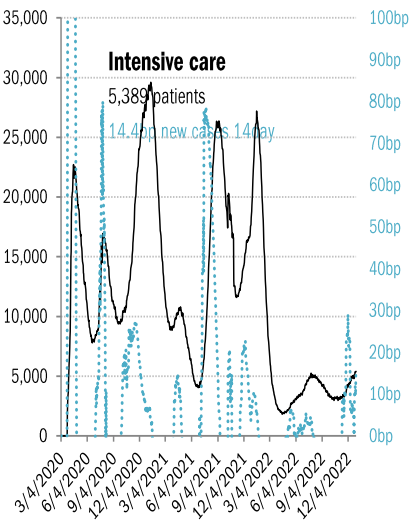
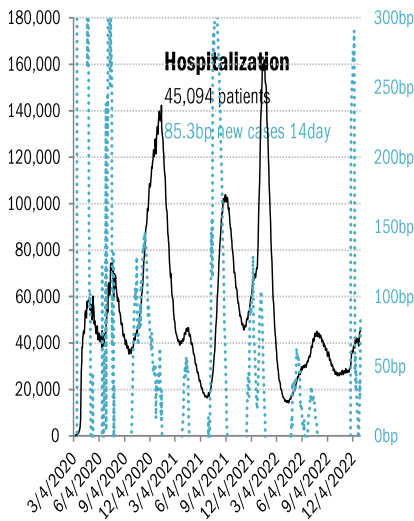
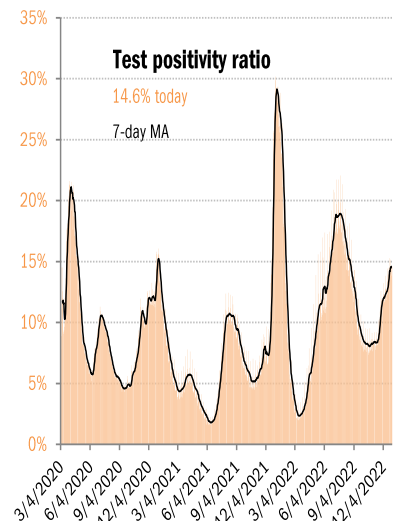
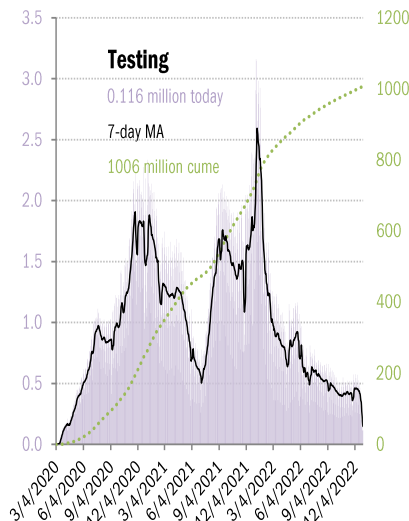
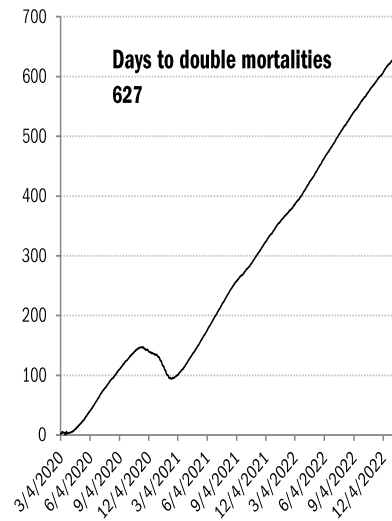
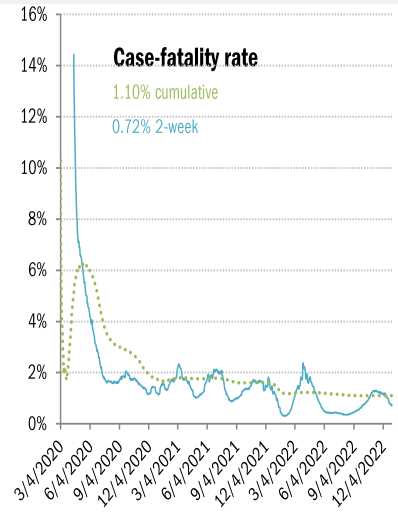
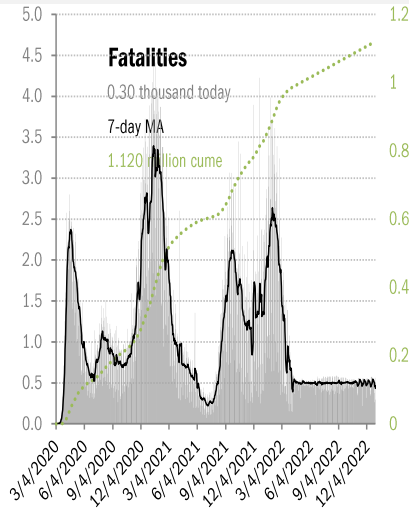
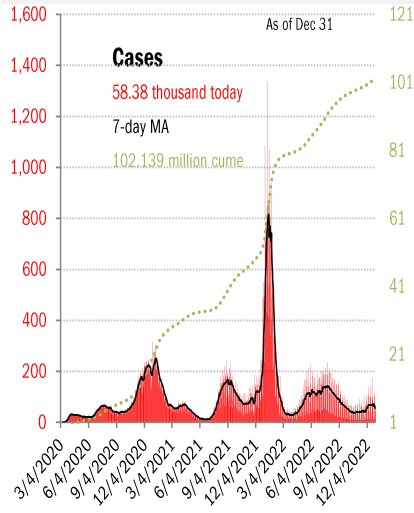
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
84.9%	63.7%	68.0%	69.1%	78.5%	78.9%	69.3%	94.1%	95.0%	87.5%	
75.7%	56.3%	59.0%	58.4%	71.9%	71.0%	62.2%	80.5%	85.3%	71.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.2%	77.3%	60.7%	83.4%	70.4%	64.2%	65.5%	90.1%	94.3%	95.0%	
72.1%	63.5%	52.9%	66.0%	64.2%	57.6%	60.3%	72.9%	78.8%	83.8%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.3%	75.0%	83.3%	73.1%	69.1%	68.6%	67.3%	90.6%	91.3%	95.0%	95.0%
74.4%	66.5%	73.2%	66.0%	58.8%	59.4%	59.6%	76.3%	79.4%	82.8%	87.4%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
77.1%	93.8%	75.9%	69.6%	64.3%	91.6%	70.7%	95.0%	87.7%		
65.8%	74.9%	65.0%	56.7%	56.2%	66.8%	59.7%	85.3%	72.9%		
OK	LA	MS	AL	GA						
74.3%	62.7%	61.5%	64.8%	68.1%						
60.2%	54.9%	53.6%	53.0%	57.1%						
TX										
76.0%										
63.0%										
HI							FL		PR	
91.1%							82.1%		95.0%	
81.3%							69.2%		86.7%	

## The demographics of US vaccination



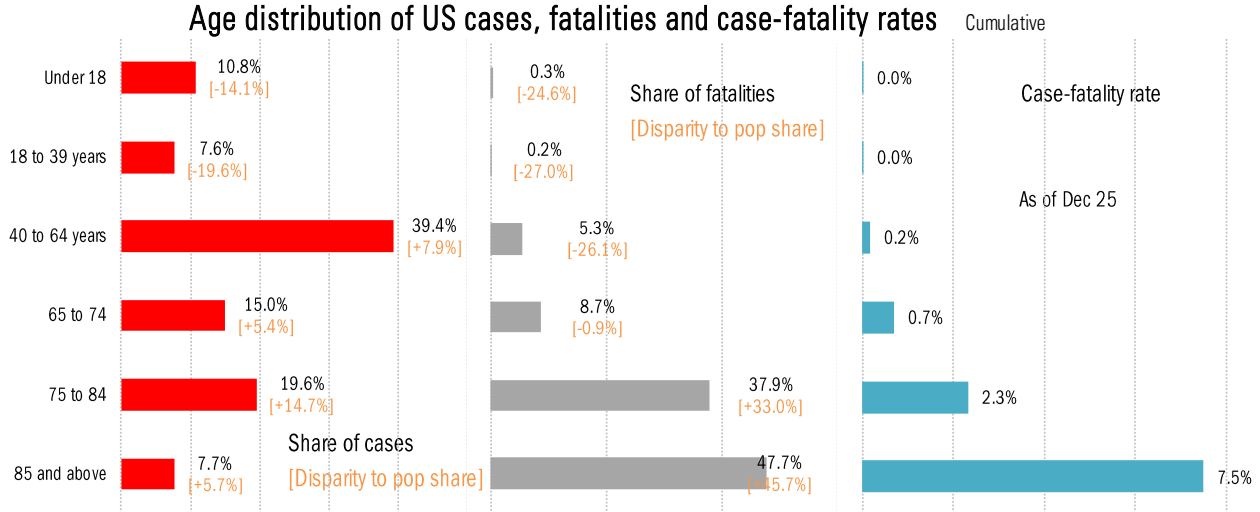
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

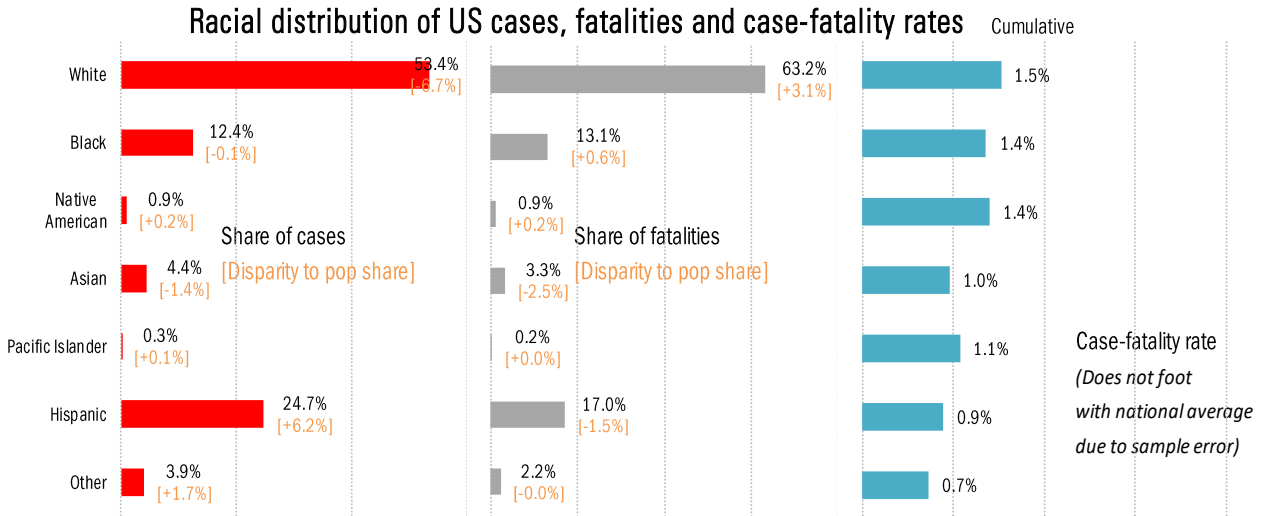


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

Age distribution of US cases, fatalities and case-fatality rates

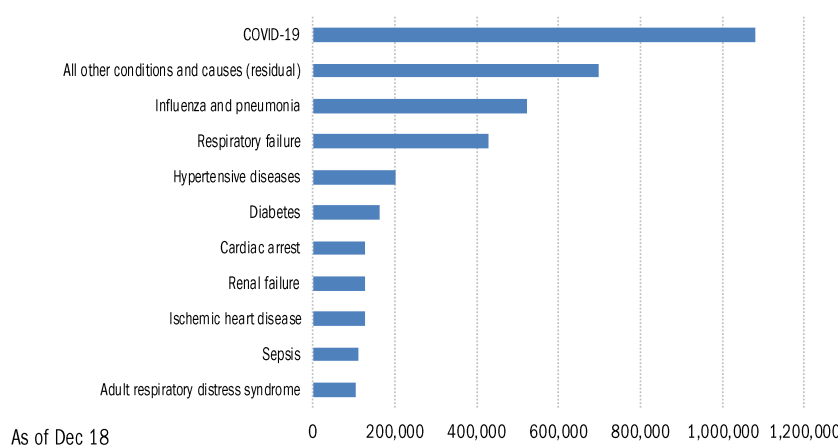


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[Once-favored Covid drugs ineffective on Omicron may be putting millions at risk](#)

Lauren Gardner

*Politico*

January 1, 2023

[West's attempts to deny China's three-year effort against COVID by criticizing a short period of imperfection will end up in vain](#)

*Global Times*

December 29, 2022

[China's Xi Jinping Provides Rare Acknowledgment of Covid-19 Policies' Toll](#)

Sha Hua

*Wall Street Journal*

December 31, 2022

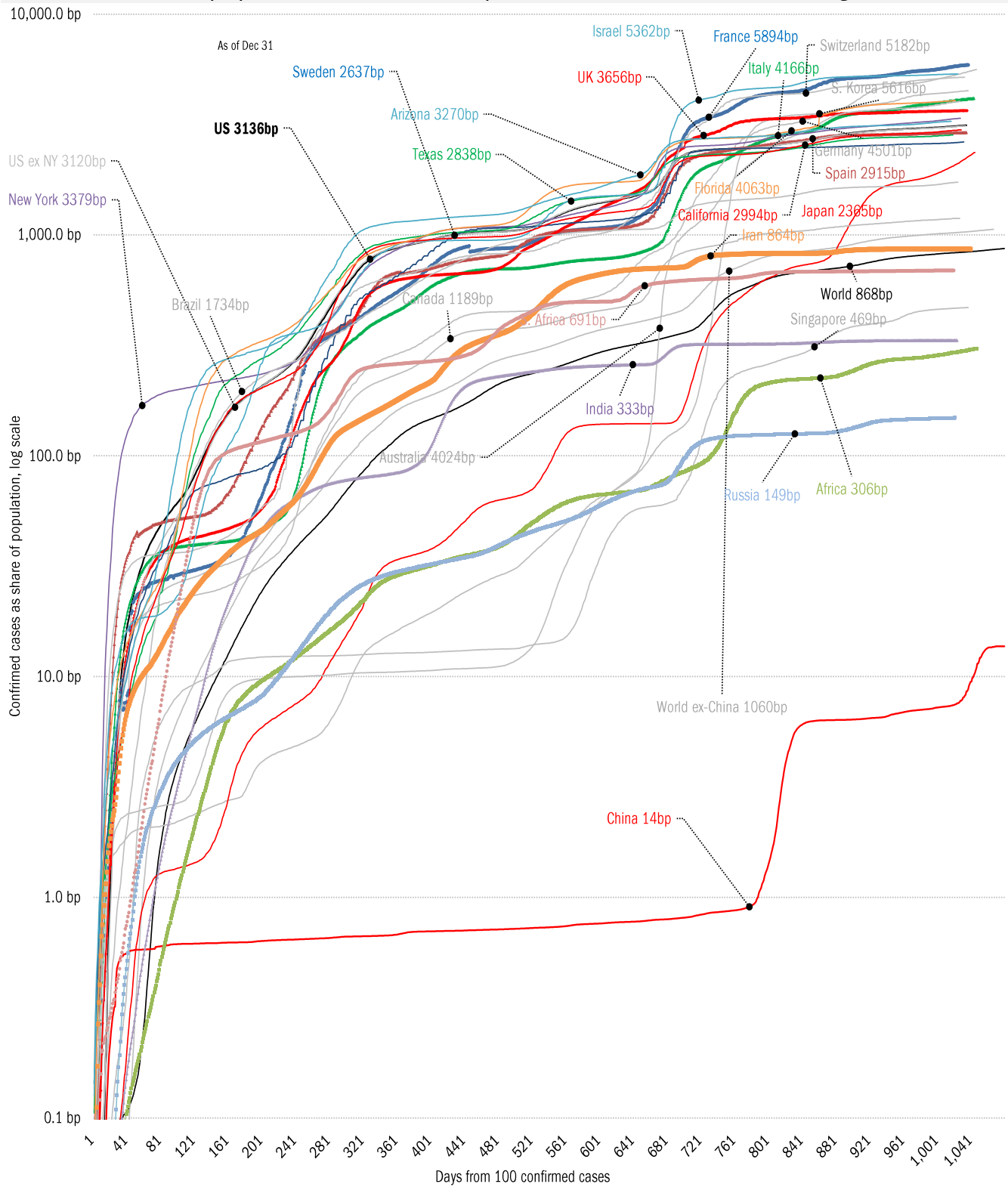
## Meme of the Day



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*

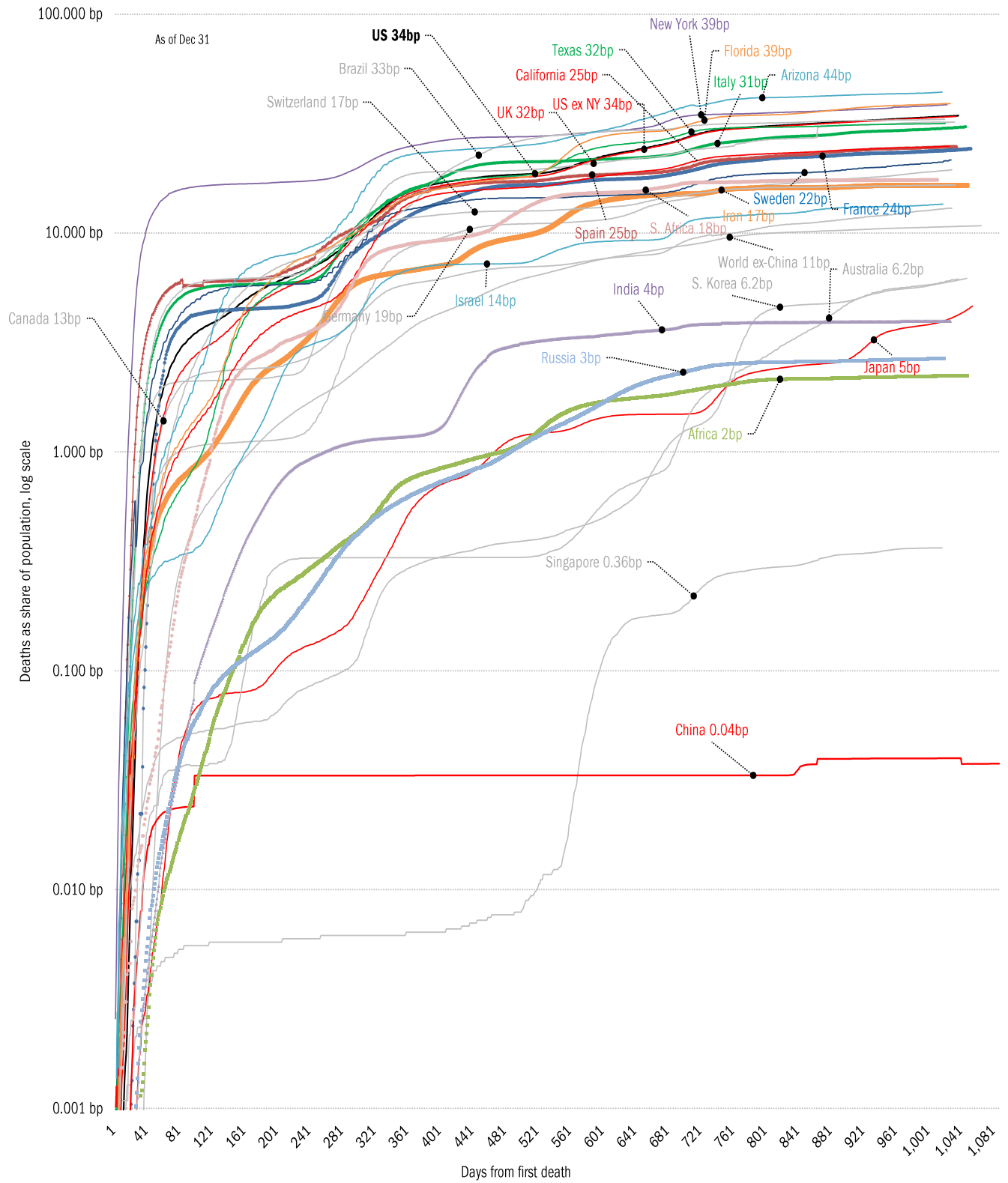


Source: [Johns Hopkins](#), TrendMacro calculations



# The global coronavirus mortality accelerometer ... tracking the world's fatality curves

*Share of population deceased from day of first fatality, log scale*

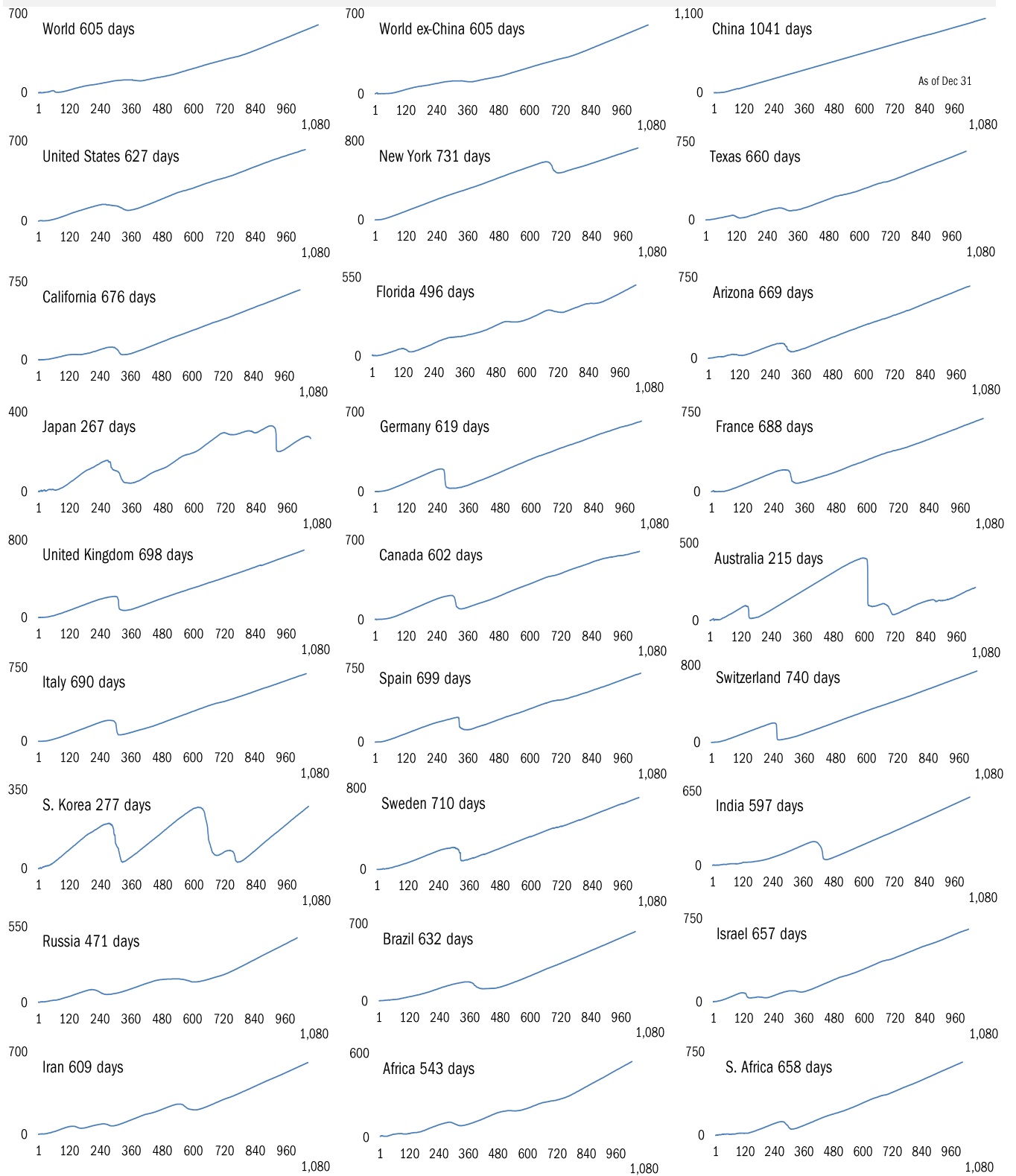


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

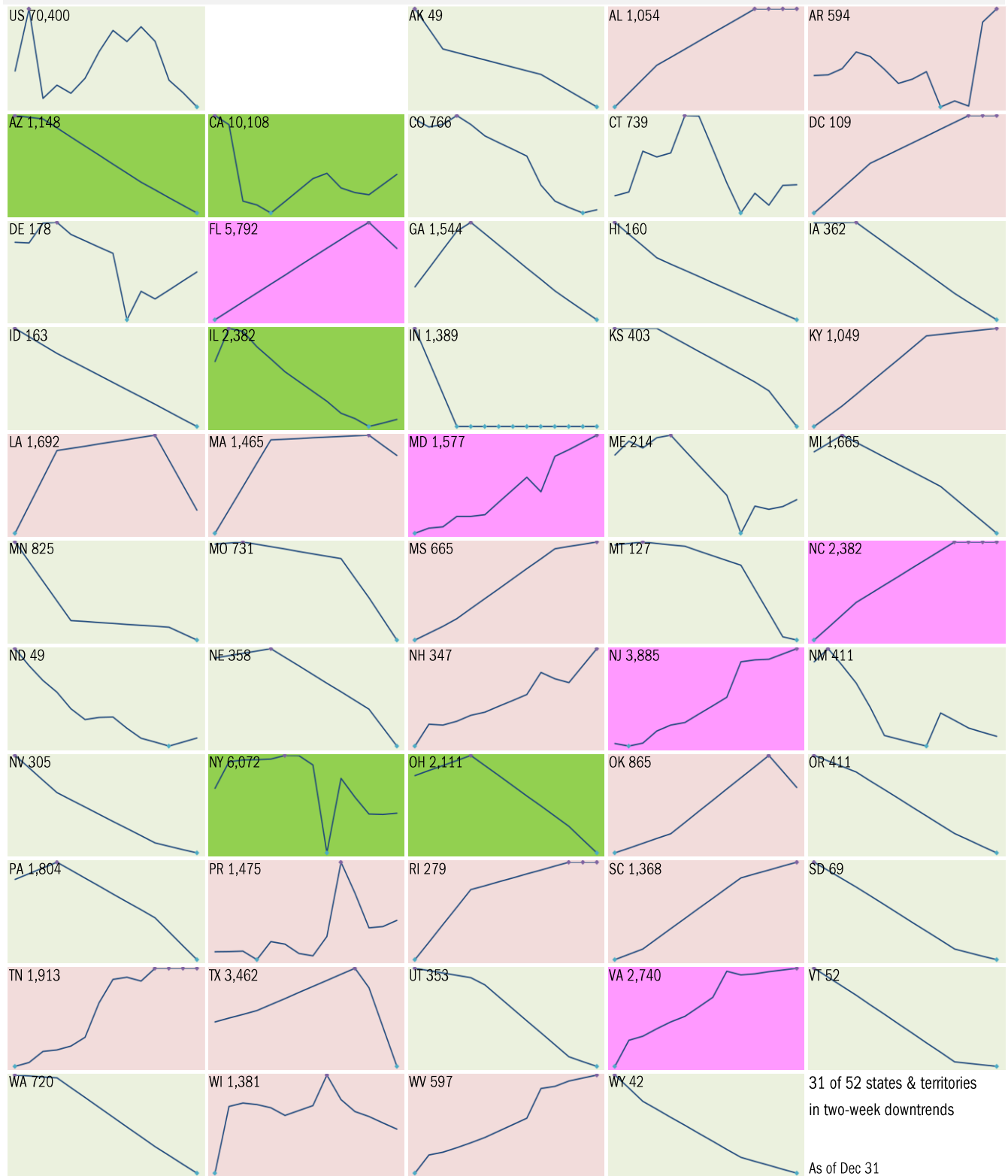


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

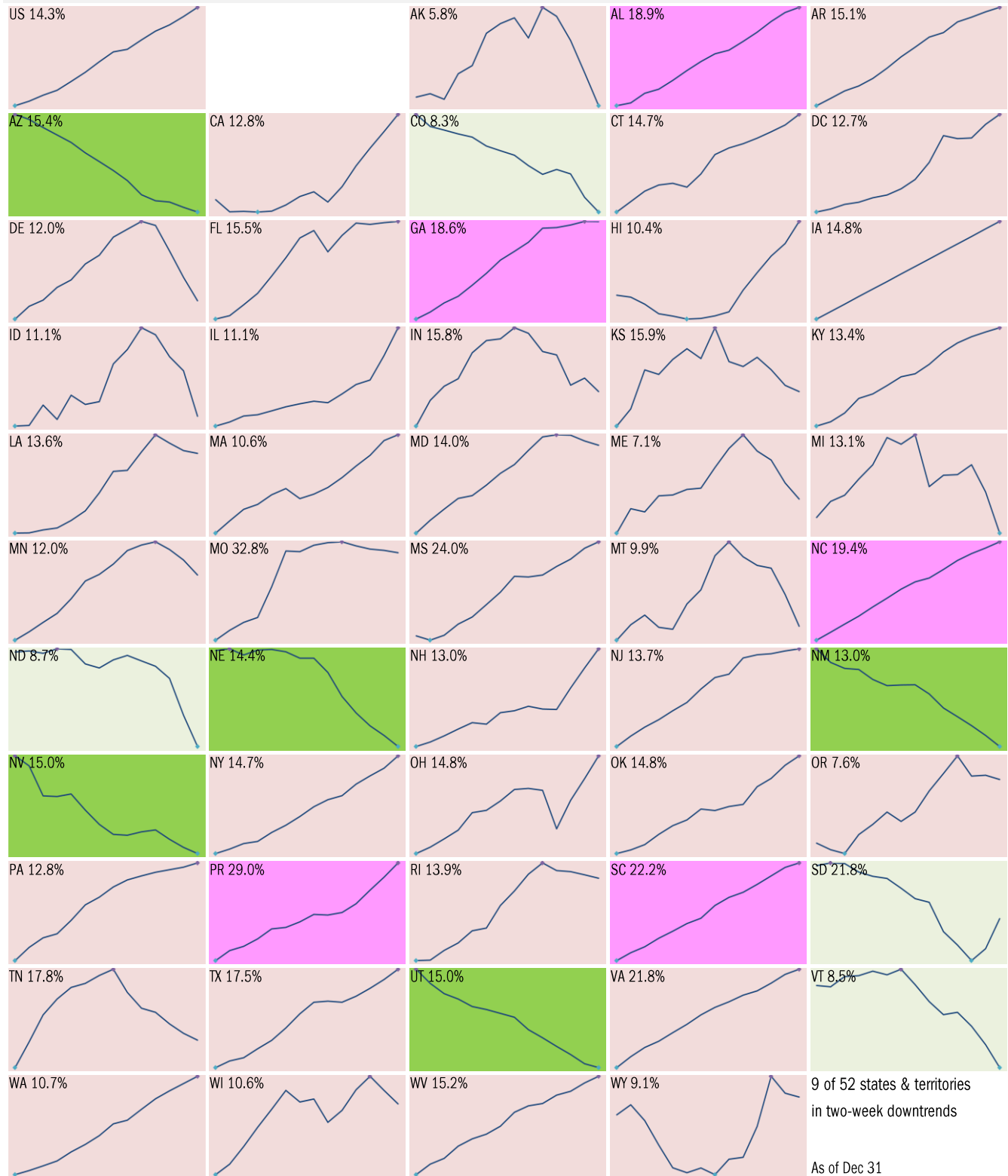


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

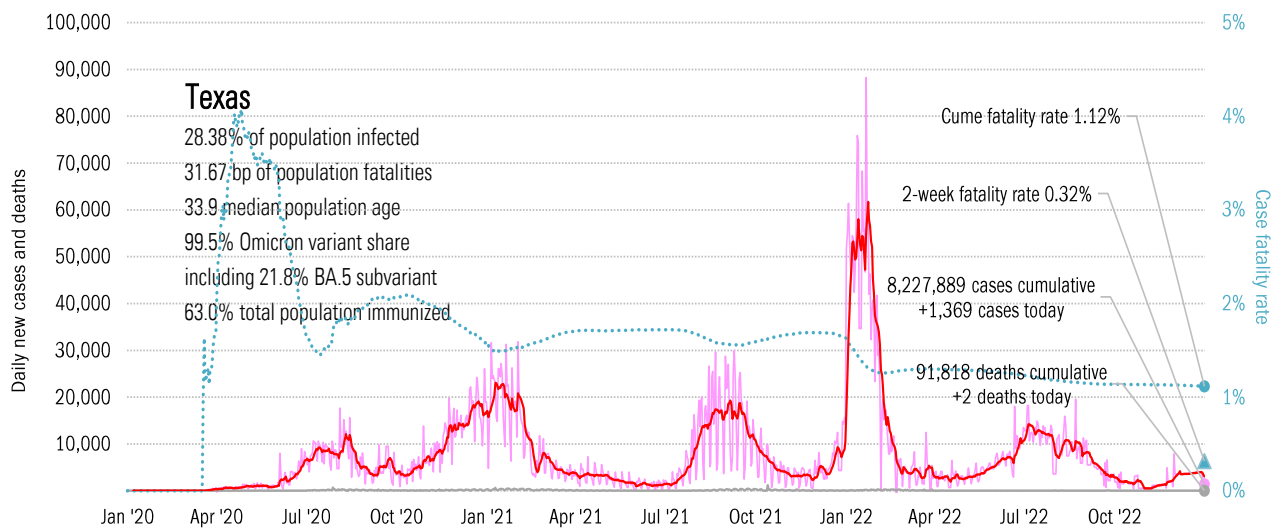
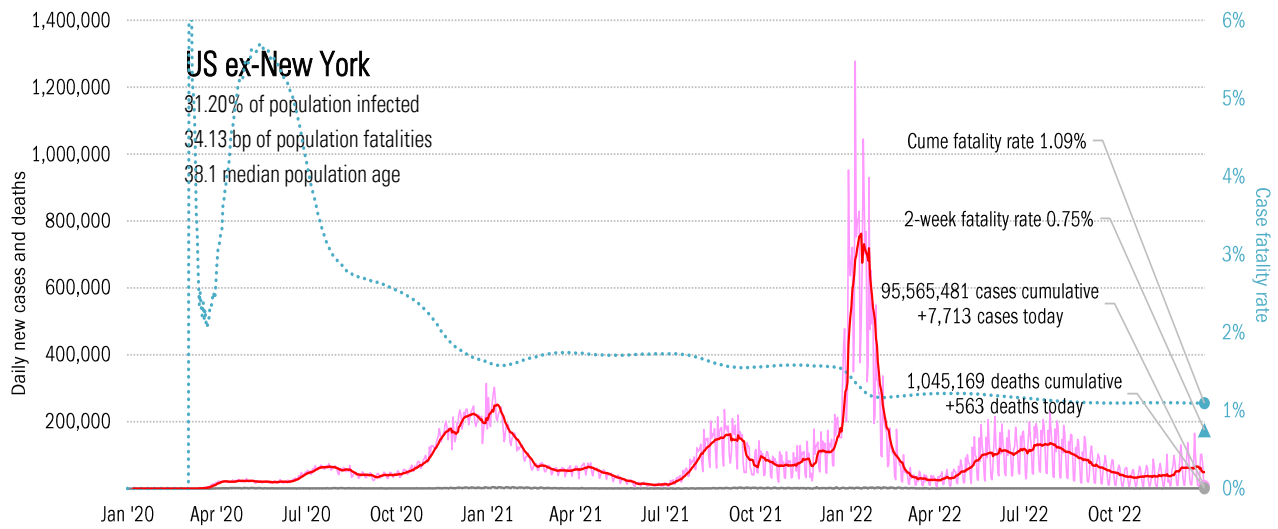
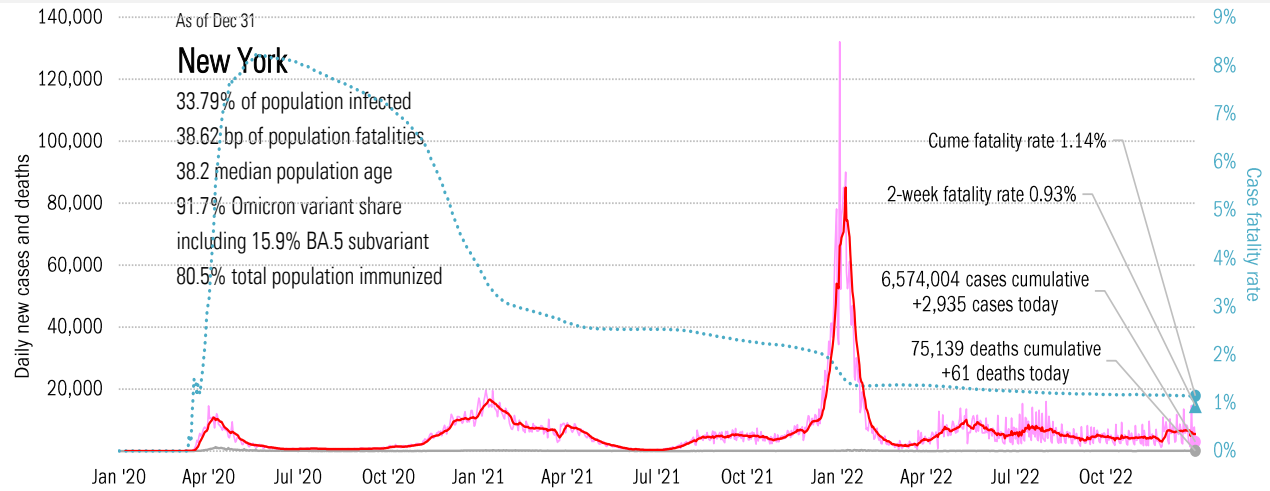
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

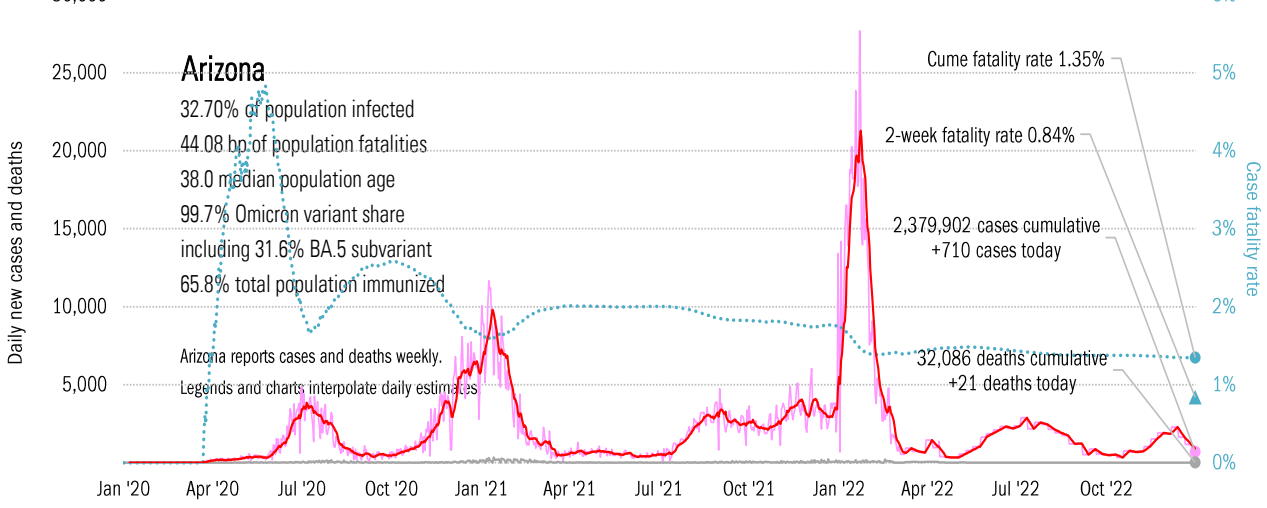
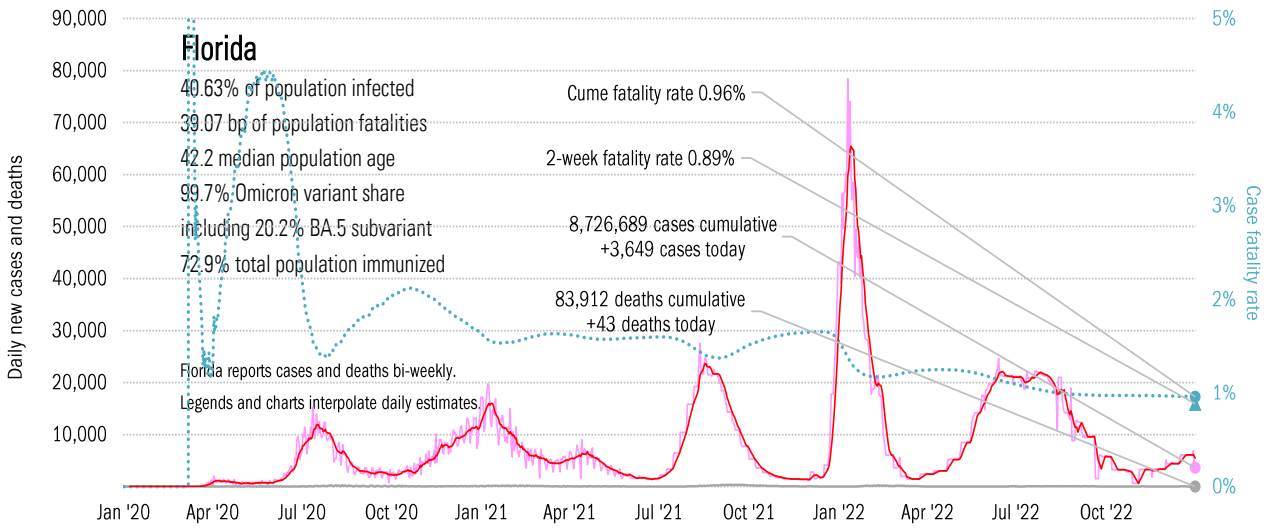
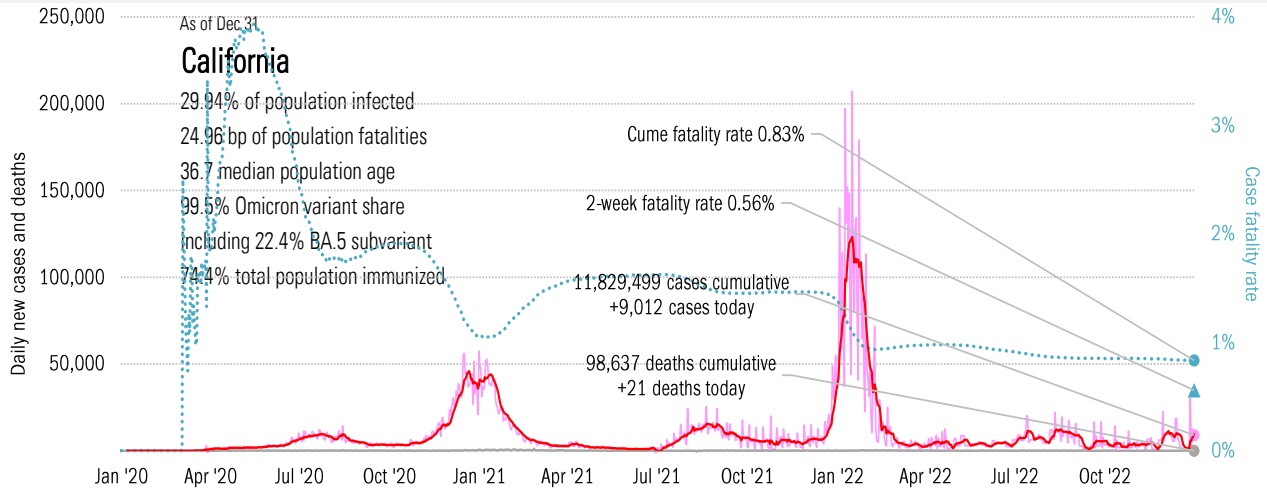
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

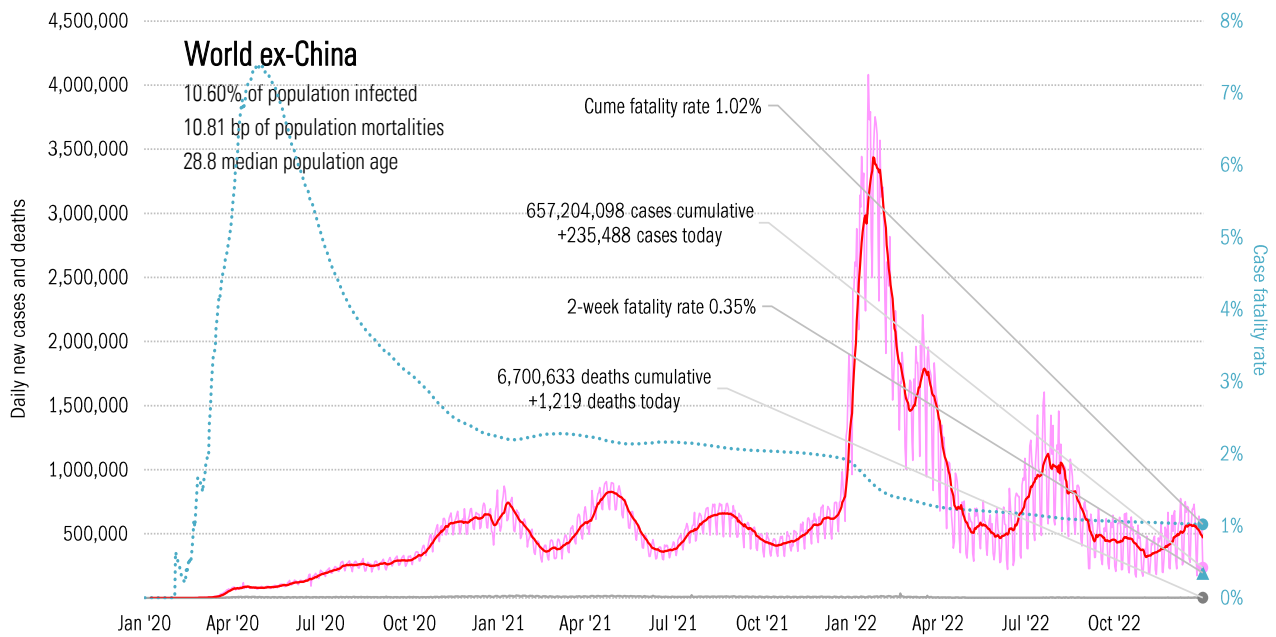
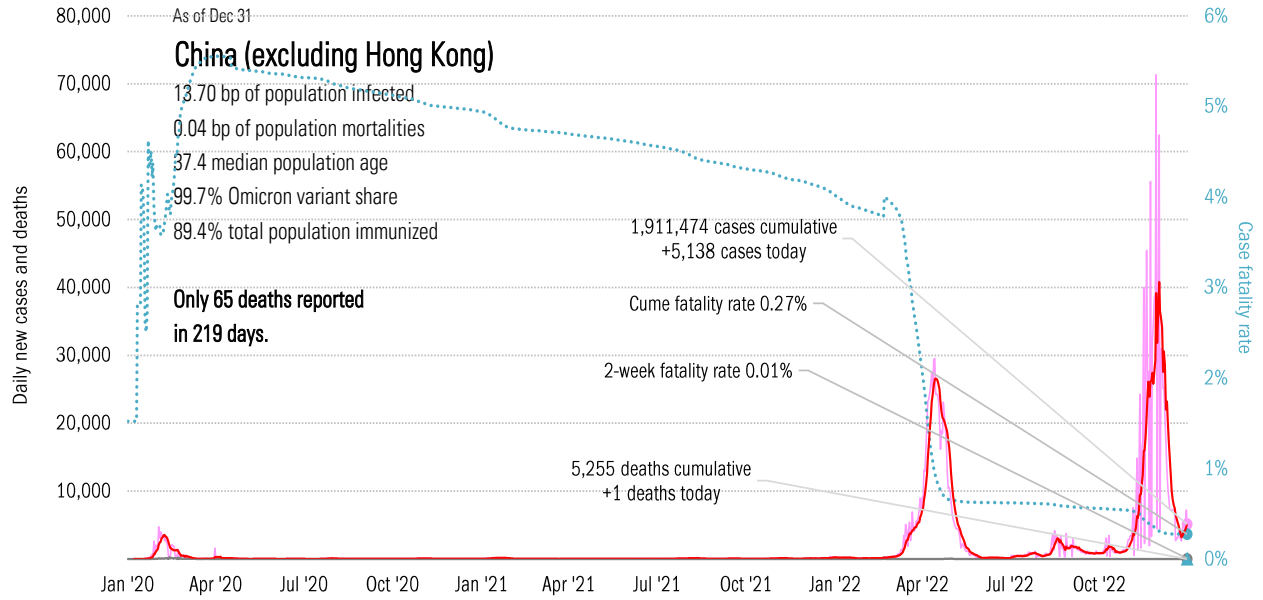
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

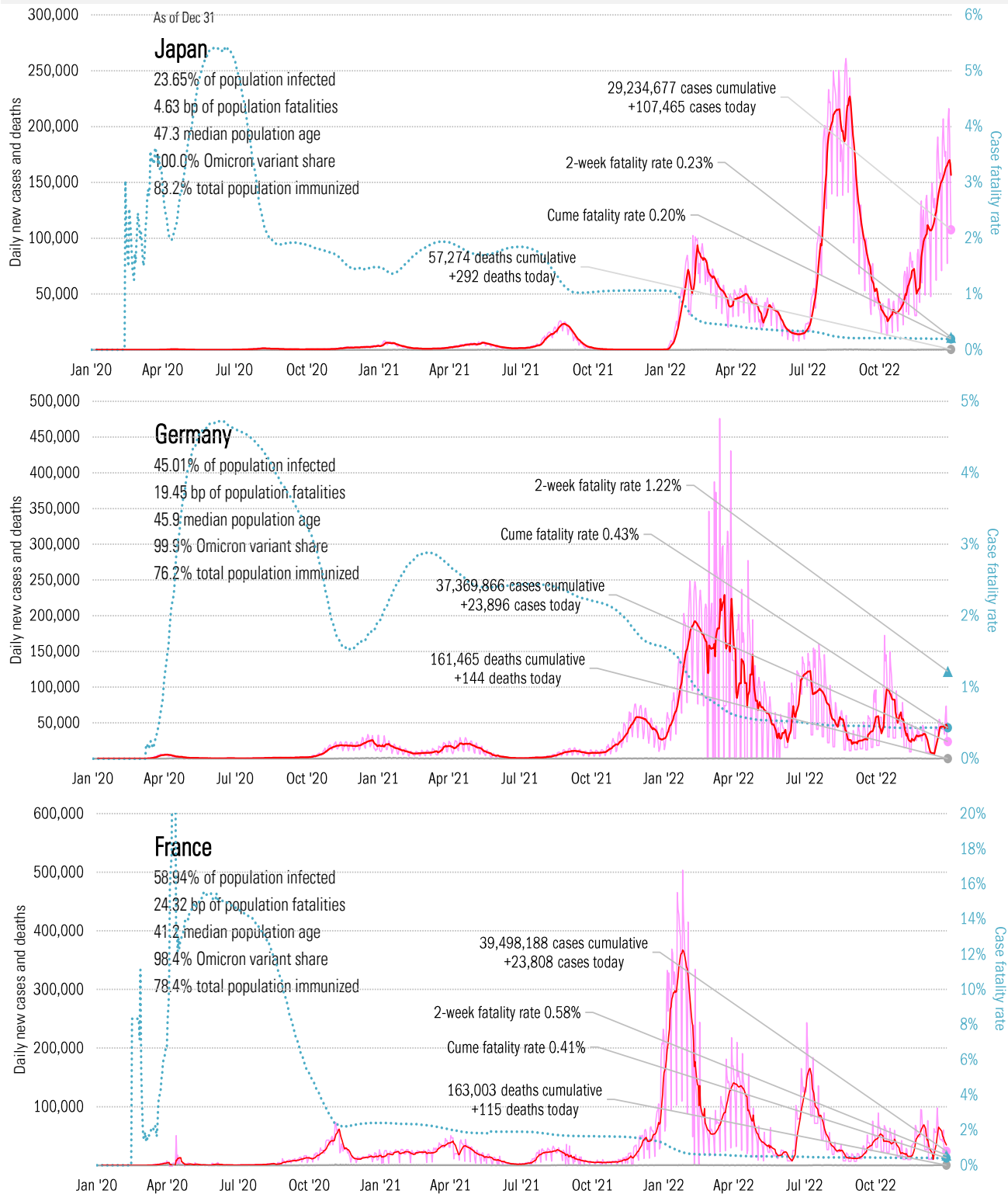
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

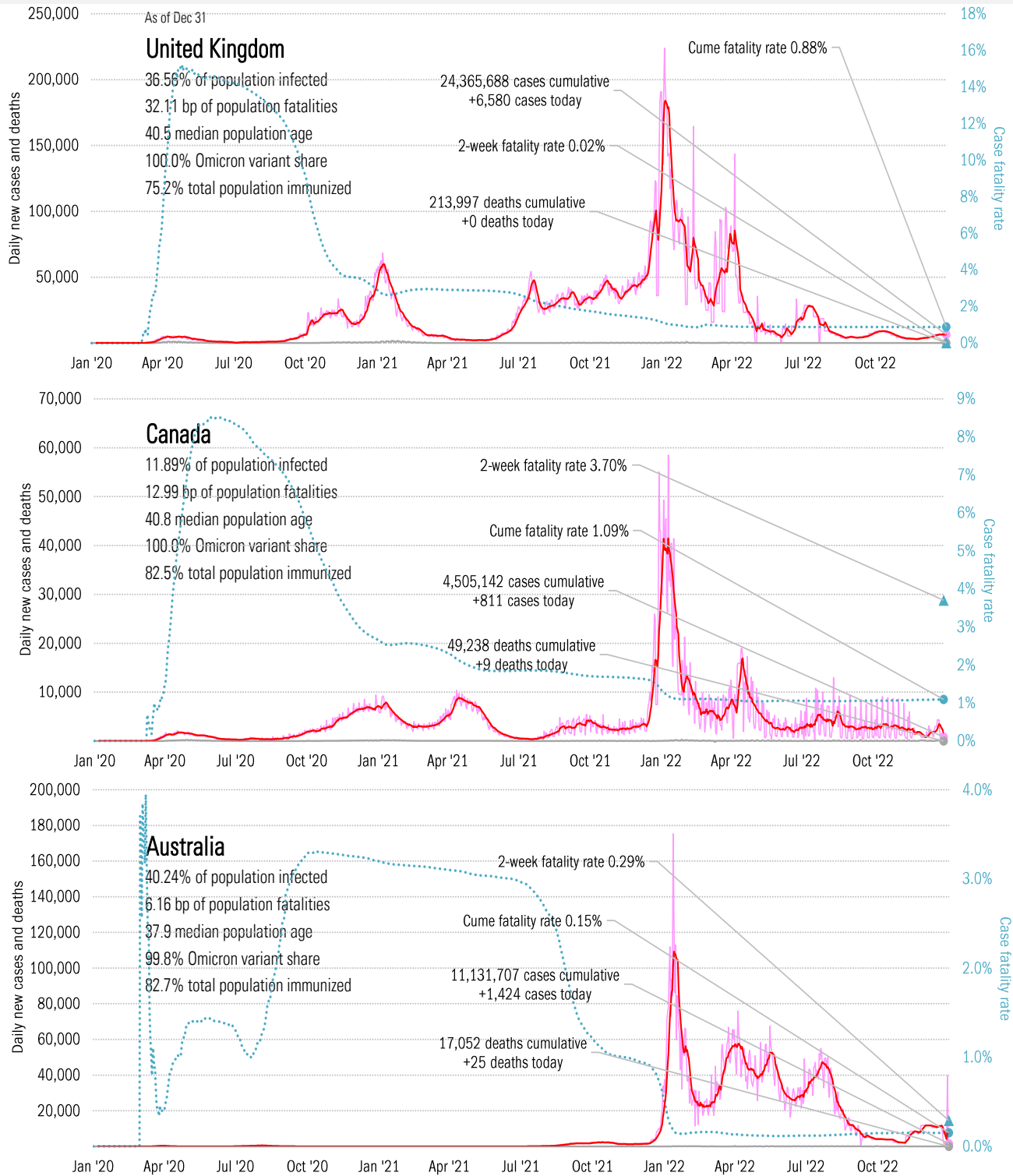


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

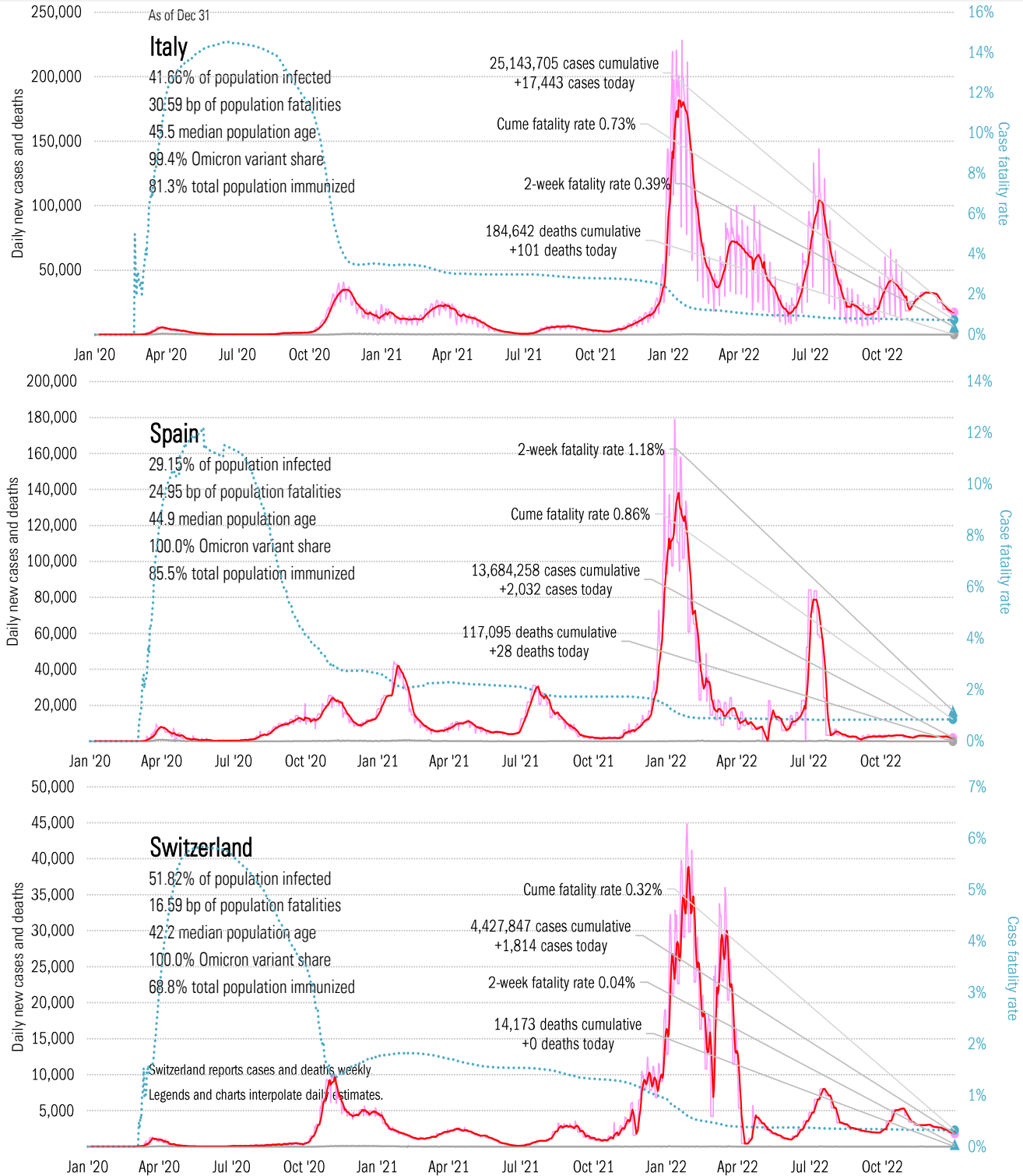
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

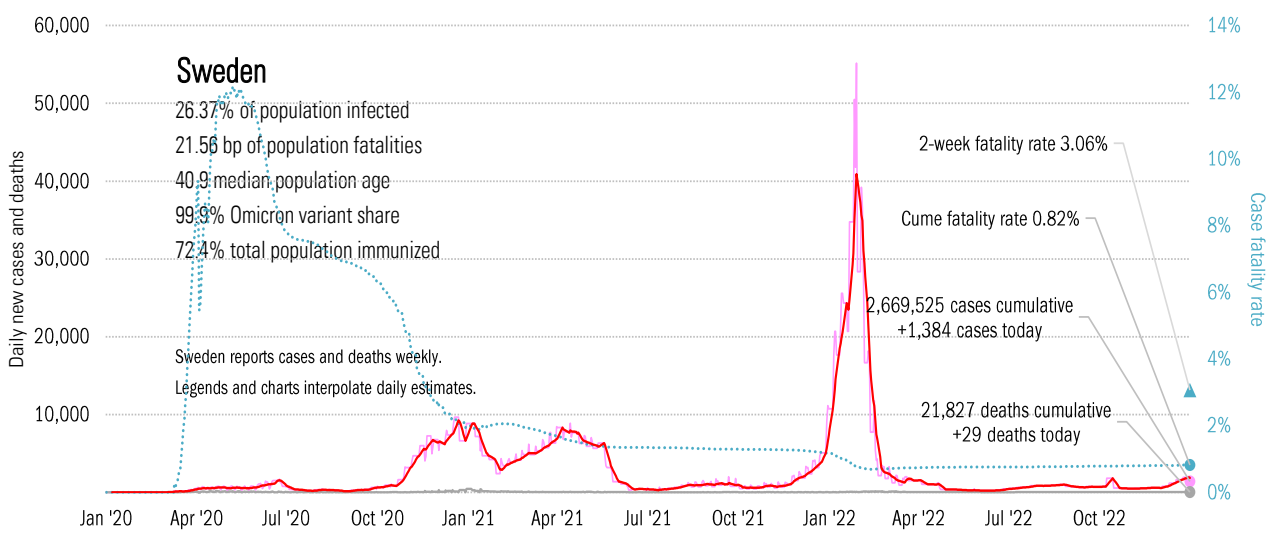
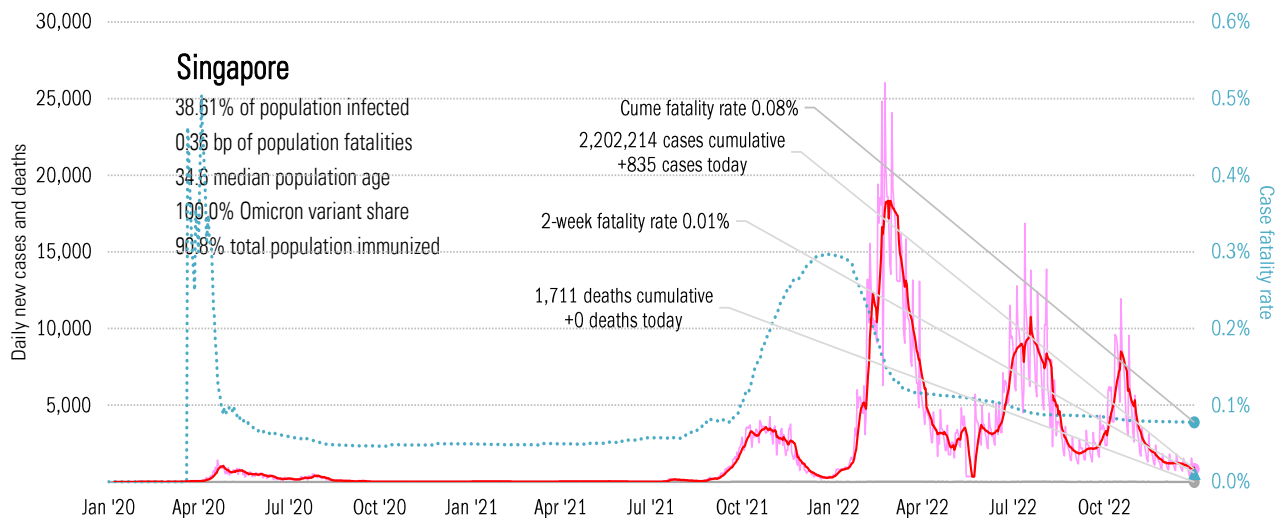
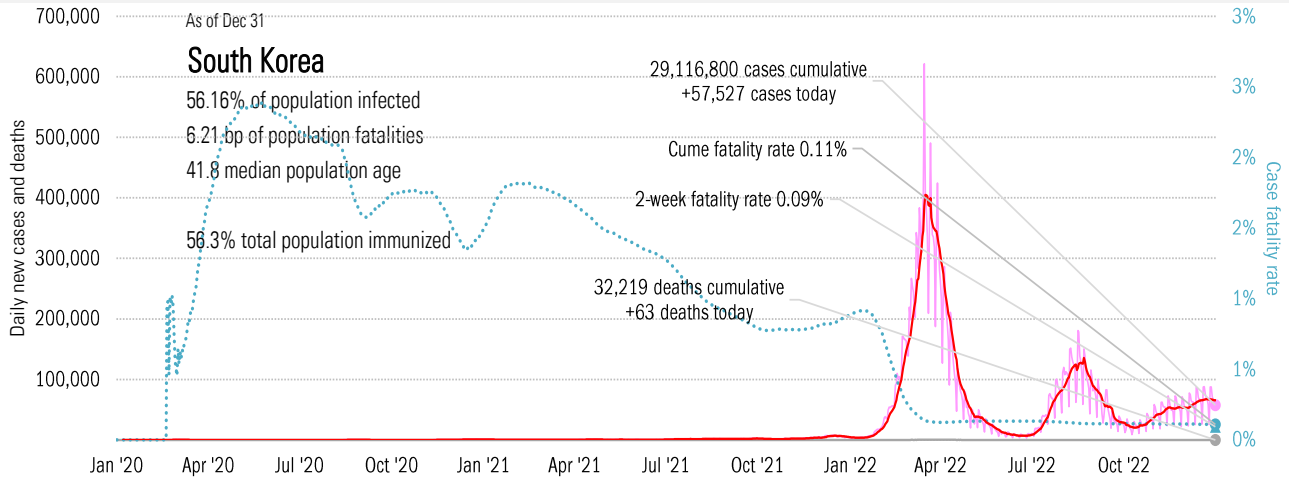
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

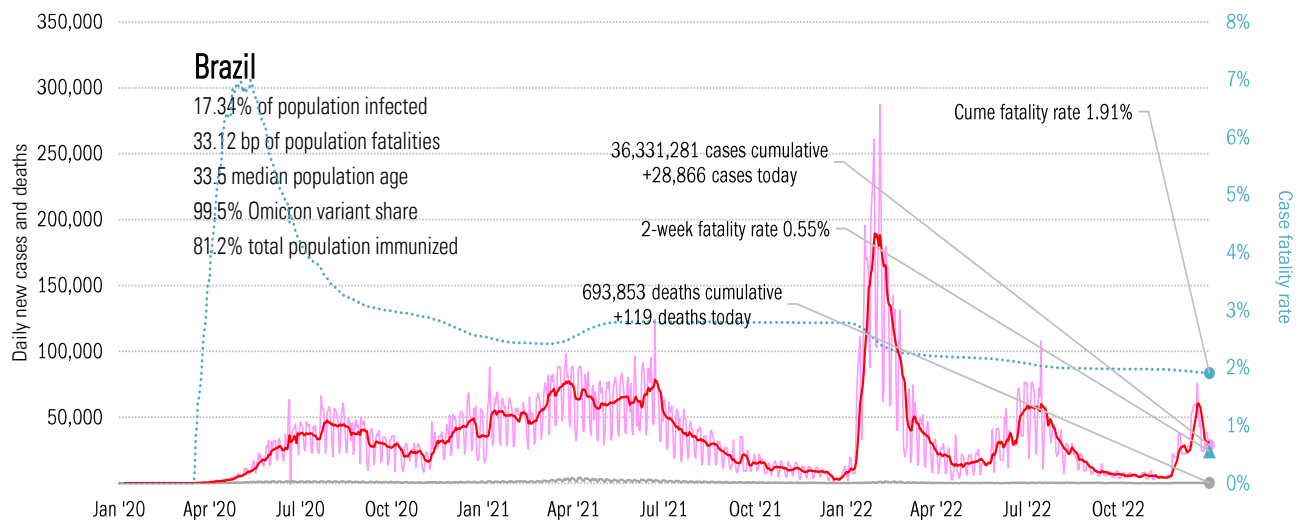
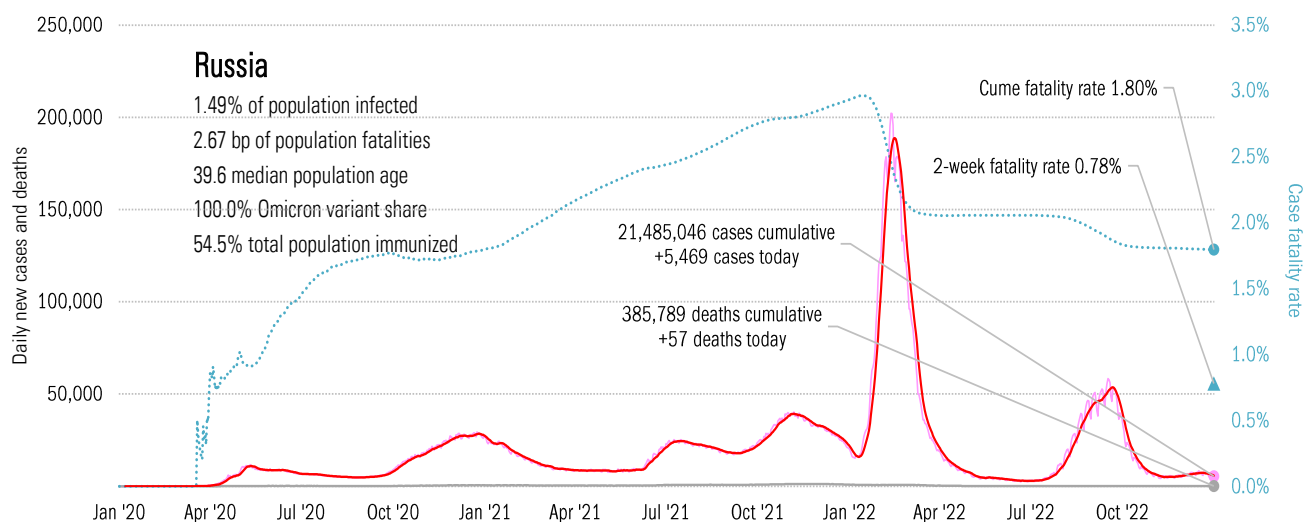
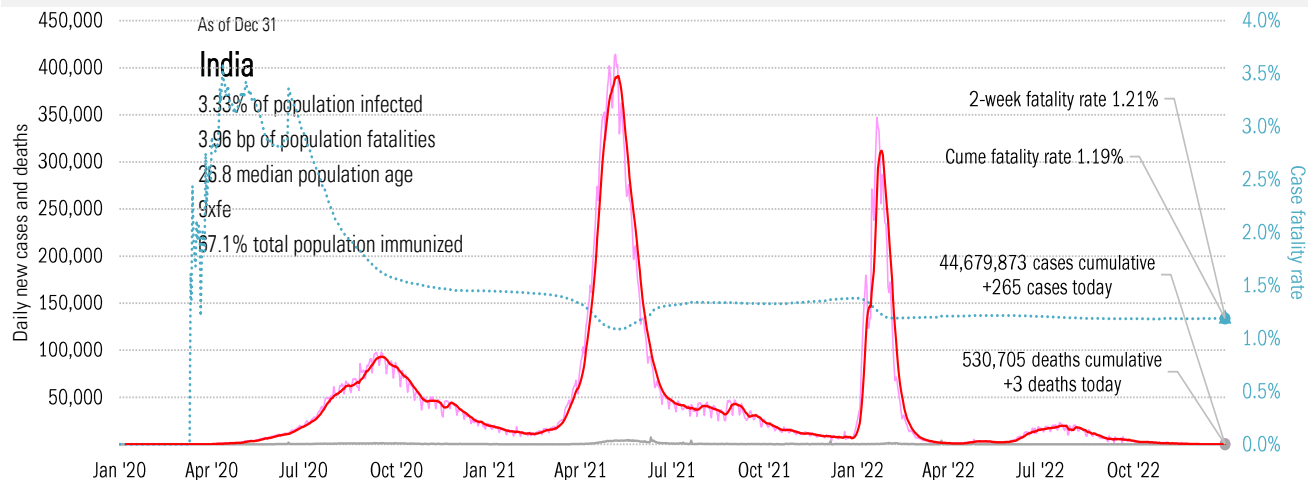
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

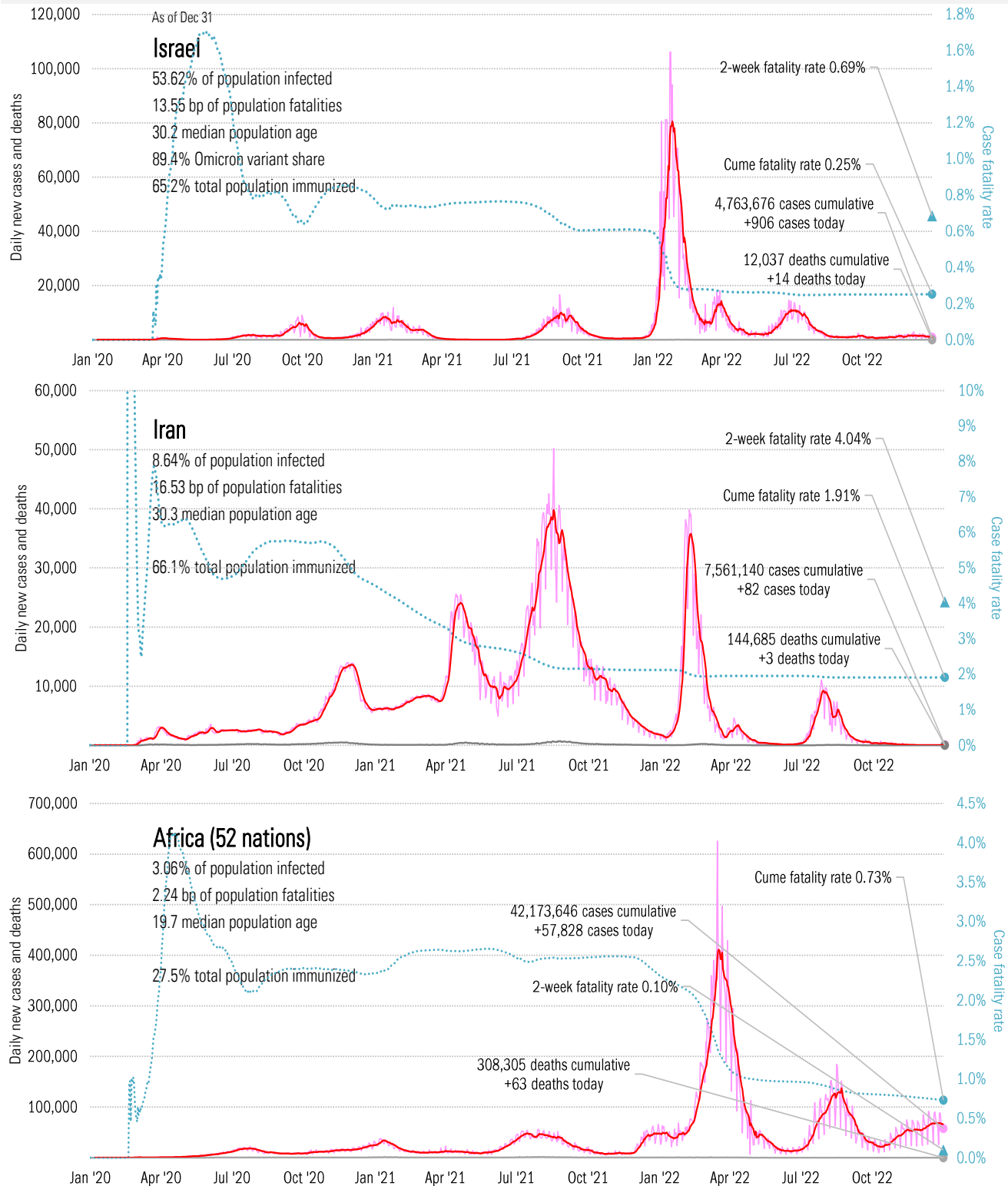
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

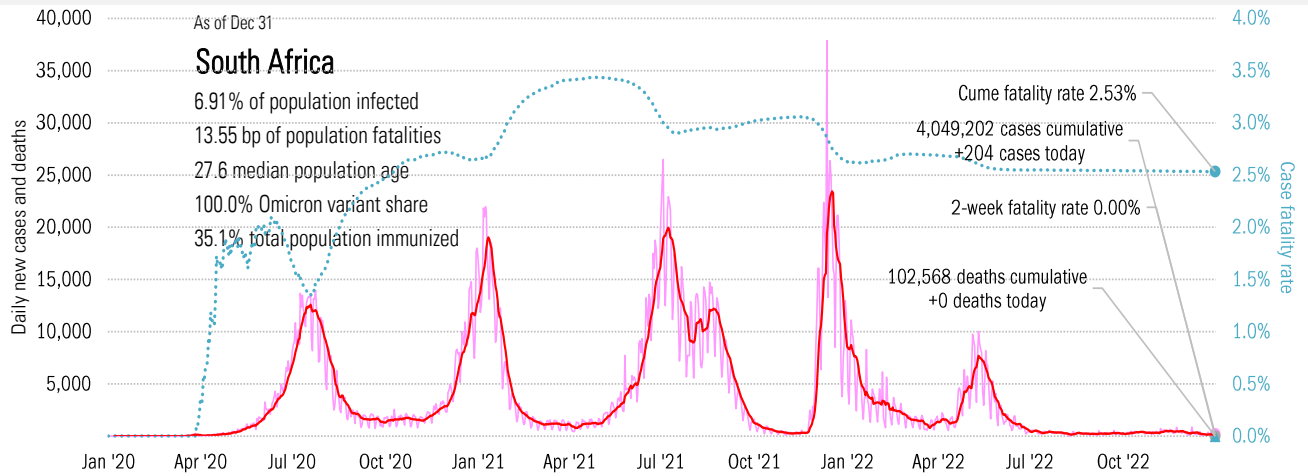
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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