

## Data Insights: Covid-2019 Monitor

Sunday, December 25, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

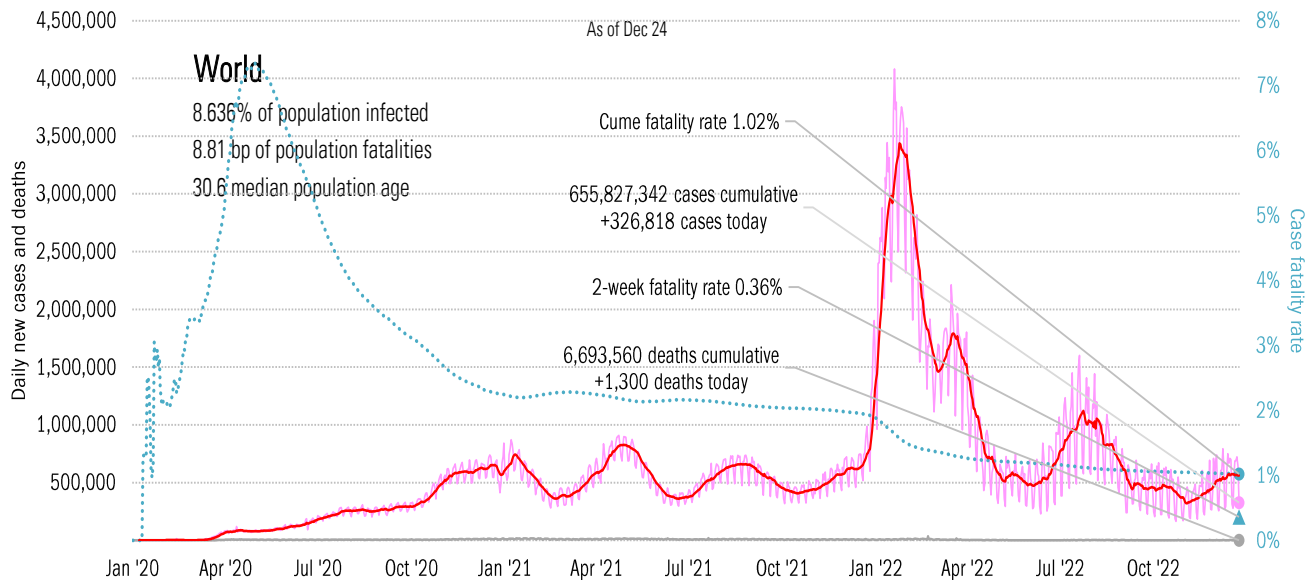
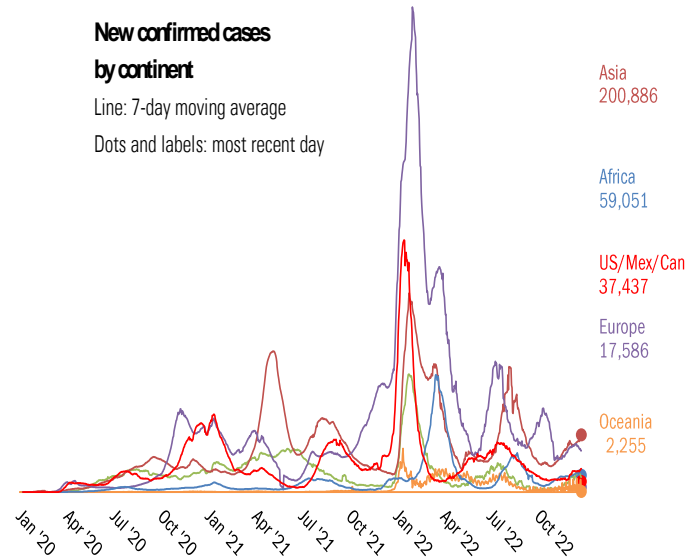
#### The worst ten countries

New cases		New Deaths	
Japan	177,622	Japan	339
United States	61,705	United States	317
Korea, South	58,448	Brazil	191
Brazil	48,404	Mexico	179
France	43,844	France	158
Germany	34,092	Germany	157
Mexico	24,566	Canada	146
Italy	19,653	Italy	114
Taiwan*	18,056	Russia	53
Russia	6,922	Korea, South	46
<b>493,312</b>		<b>1,700</b>	

#### New confirmed cases by continent

Line: 7-day moving average

Dots and labels: most recent day



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

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# The US scorecard

Cases: 7-day average and daily Deaths: Daily

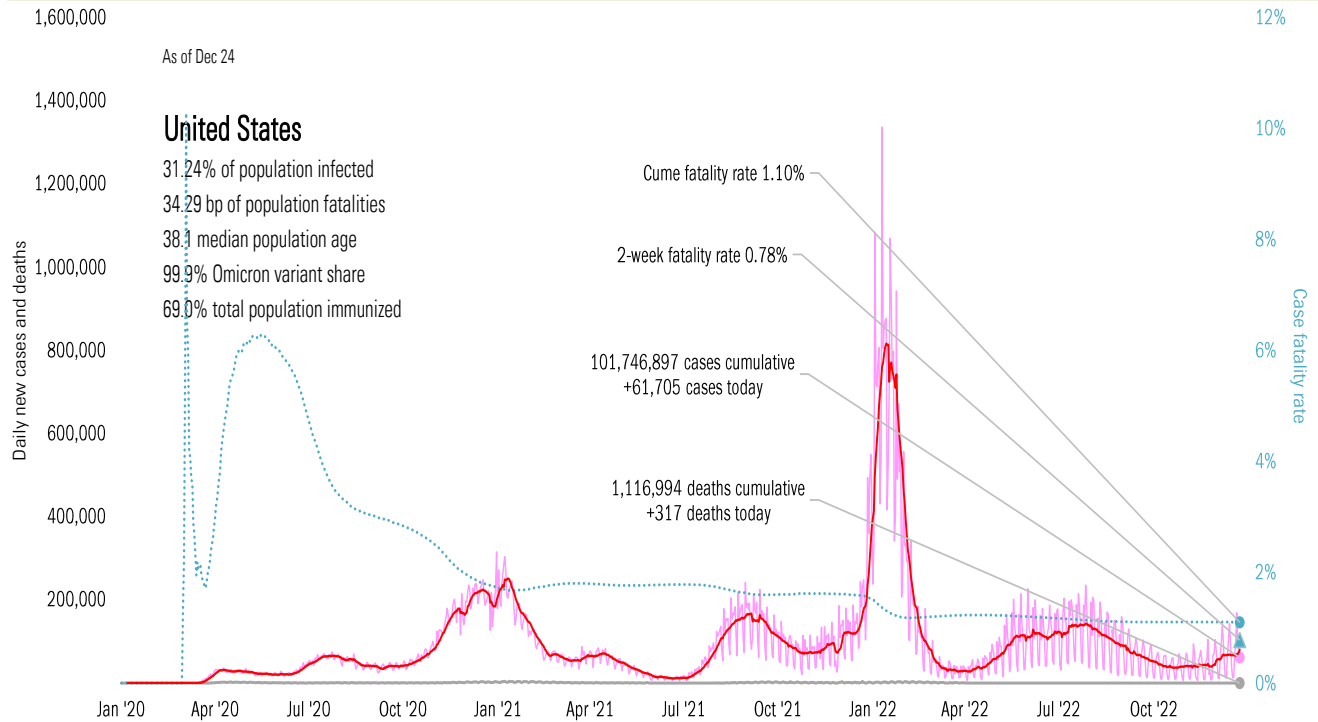
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
FL	6,079		NY	43		FL	353		CA	11,775,426		CA	98,385		TX	564,990		RI	88%	MA	87%
CA	4,947		FL	32		TX	440		TX	8,195,135		TX	91,716		CA	536,976		WA	87%	NM	87%
IL	3,785		CO	27		SC	107		FL	7,312,963		FL	83,606		FL	511,215		MA	86%	AK	86%
LA	3,634		CA	24		PA	249		NY	6,535,535		NY	74,845		NY	332,287		MD	84%	TX	85%
NJ	3,298		IL	24		GA	185		IL	3,953,928		PA	48,798		CH	233,981		DE	83%	NC	85%
NY	2,880		MI	21		WI	128		PA	3,403,177		GA	41,361		GA	233,220		AK	82%	AL	84%
VA	2,650		PA	19		NV	49		NC	3,316,814		CH	40,840		PA	218,983		MN	82%	NH	83%
CH	2,556		NJ	17		TN	116		CH	3,294,521		MI	40,657		IL	202,422		SC	82%	DC	83%
NC	2,382		GA	17		IN	139		MI	2,977,727		IL	40,610		MI	174,032		OR	82%	VT	81%
MI	2,046		MA	16		CK	69		GA	2,974,619		NJ	35,425		NJ	151,741		NH	81%	WA	81%
<b>34,257</b>			<b>240</b>			<b>1,835</b>			<b>53,739,845</b>			<b>596,243</b>			<b>3,159,847</b>						
All states	61,705			317			5,776		All states	101,746,897			1,116,994			5,737,240		All states	70%		67%
Top ten	56%			76%			32%		Top ten	54%			55%			55%		Median	76%		75%

Some states not reporting

## Five most improved US states

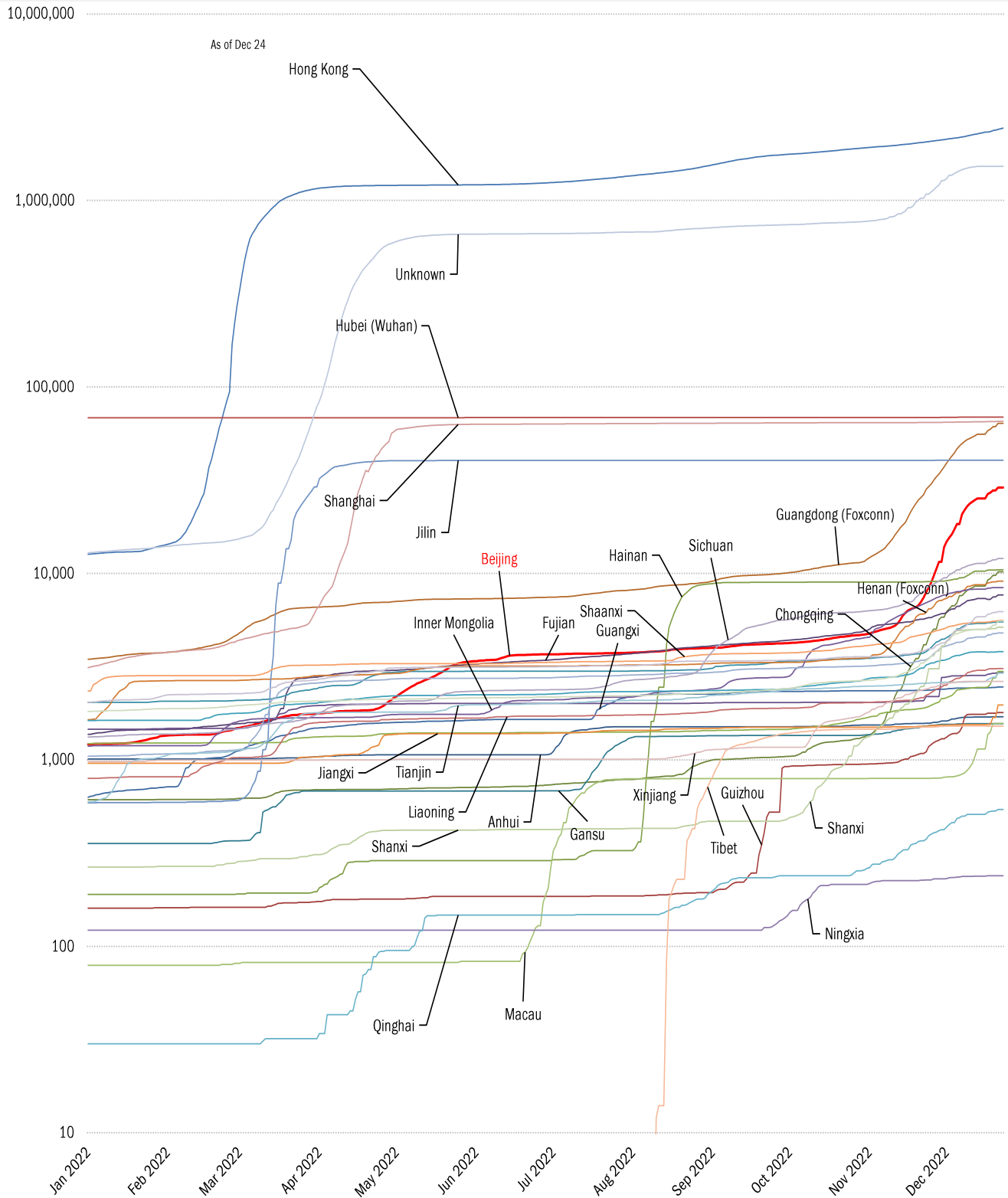
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-4,867	VA	-12	NY	-78
CT	-417	NM	-8	MO	-58
AR	-247	MD	-7	VA	-57
AK	0	WI	-7	IL	-54
AL	0	TX	-3	CH	-36



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"*

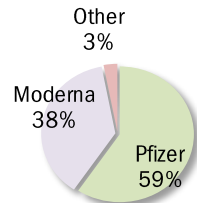


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered Doses	Cumulative			Today	Immunity	Full	Partial	
	678,686,171			+0.129 million	US	69.0%	80.8%	
				Of which boosters: +0.112 million	UK	75.2%	79.7%	
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>	France	78.3%	80.6%
Total population	276,532,813	83%	235,793,758	71%	+0.012 million	Spain	85.5%	86.9%
Age 12 to 17	18,402,383	73%	15,755,703	62%	+0.001 million	Germany	76.2%	77.8%
Age 18 to 64	183,917,291	90%	156,388,919	77%	+0.007 million	Italy	81.3%	86.2%
Age 65 and over	60,924,924	100%	53,362,544	97%	+0.003 million	Australia	82.7%	84.9%
						Israel	65.2%	71.1%
						Canada	82.5%	90.0%
						Japan	83.2%	84.3%
						Africa	26.2%	32.2%
						India	67.1%	72.5%
						Brazil	81.2%	87.6%
						China	89.4%	91.7%



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

AK	72.7%
	64.9%

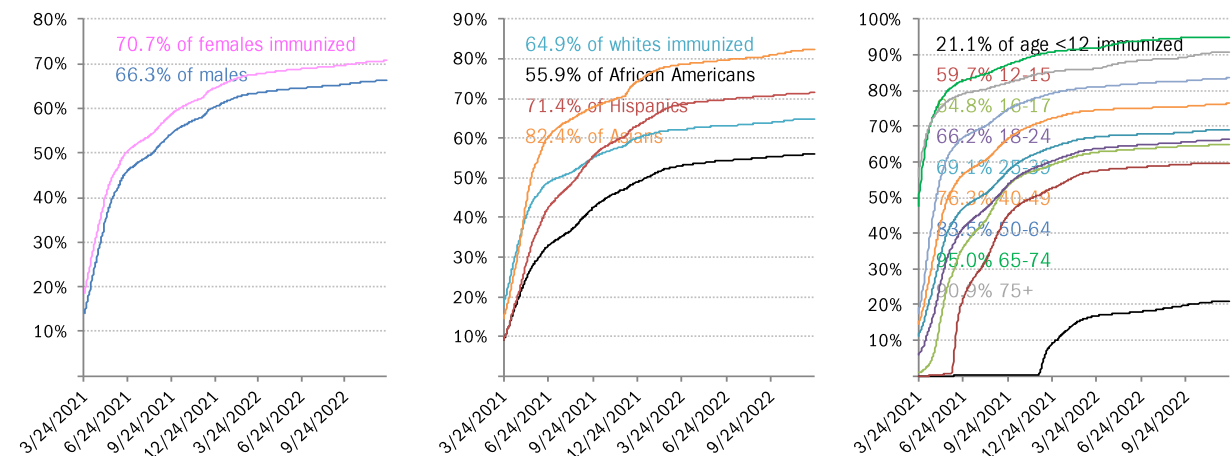
WI	74.8%
	67.9%

ME	95.0%
	83.0%

As of Dec 23

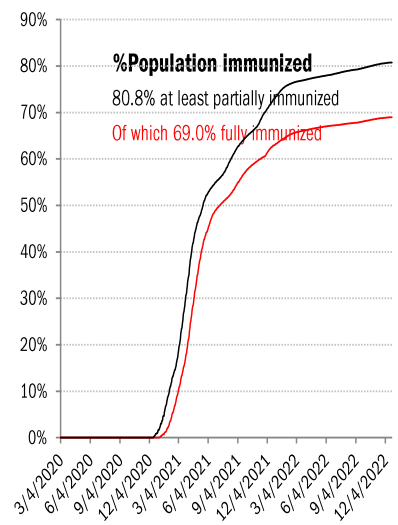
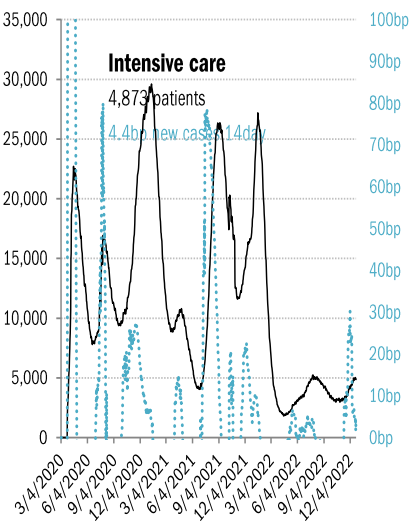
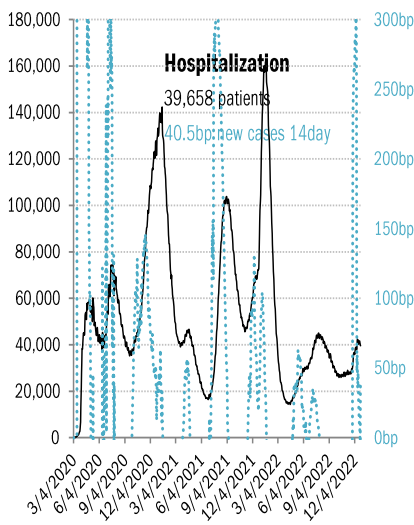
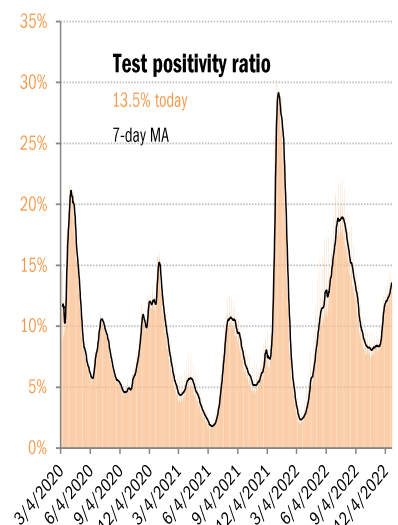
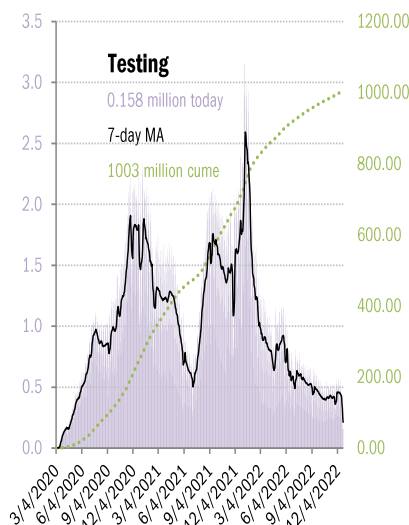
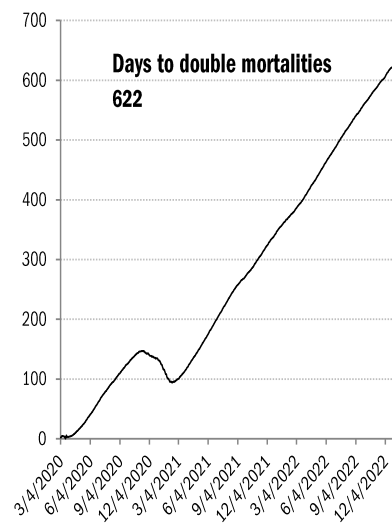
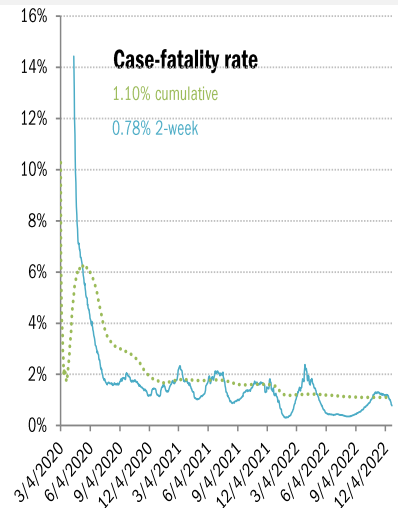
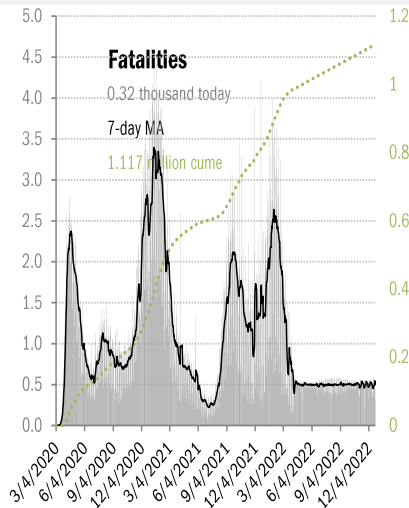
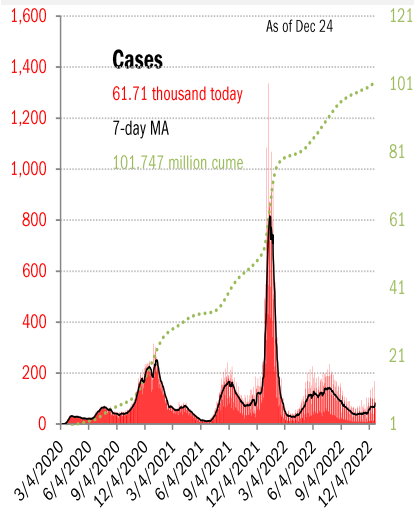
WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
84.8%	63.7%	68.0%	69.0%	78.4%	78.9%	69.2%	94.0%	95.0%	87.5%	
75.7%	56.3%	58.9%	58.4%	71.8%	71.0%	62.1%	80.4%	85.2%	71.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
81.2%	77.2%	60.7%	83.3%	70.4%	64.1%	65.5%	90.1%	94.2%	95.0%	
72.1%	63.5%	52.9%	65.9%	64.1%	57.6%	60.2%	72.9%	78.8%	83.7%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.2%	74.9%	83.3%	73.1%	69.1%	68.6%	67.3%	90.5%	91.2%	95.0%	95.0%
74.3%	66.4%	73.2%	66.0%	58.8%	59.4%	59.5%	76.3%	79.3%	82.7%	87.3%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
77.0%	93.7%	75.8%	69.6%	64.2%	91.5%	70.7%	95.0%	87.7%		
65.8%	74.8%	65.0%	56.7%	56.1%	66.7%	59.7%	85.2%	72.9%		
OK	LA	MS	AL	GA						
74.3%	62.6%	61.5%	64.8%	68.0%						
60.2%	54.9%	53.5%	53.0%	57.0%						
TX										
76.0%										
63.0%										
HI							FL		PR	
91.0%							82.1%		95.0%	
81.2%							69.2%		86.7%	

## The demographics of US vaccination

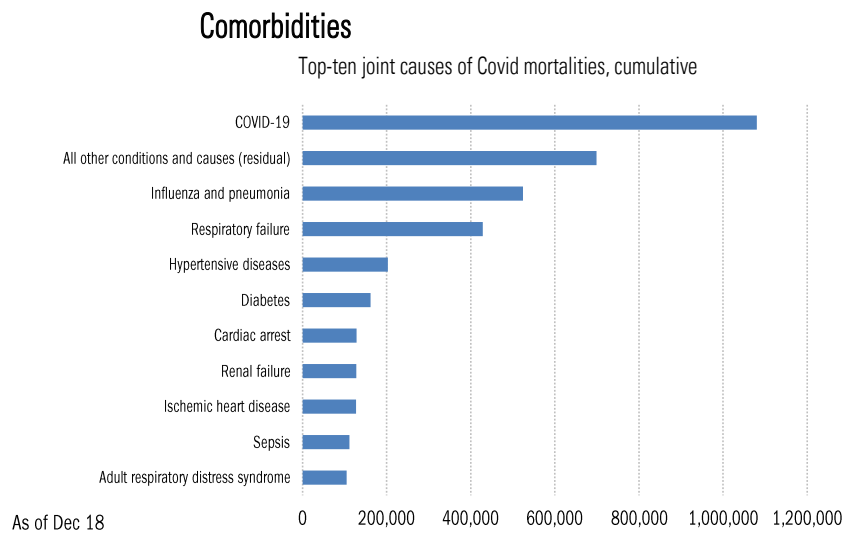
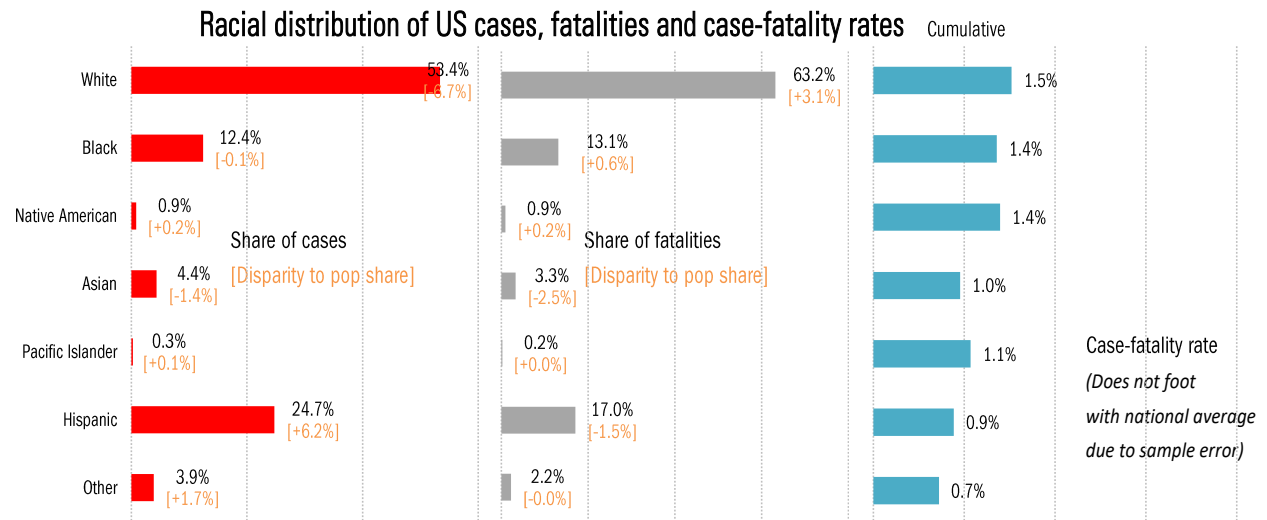
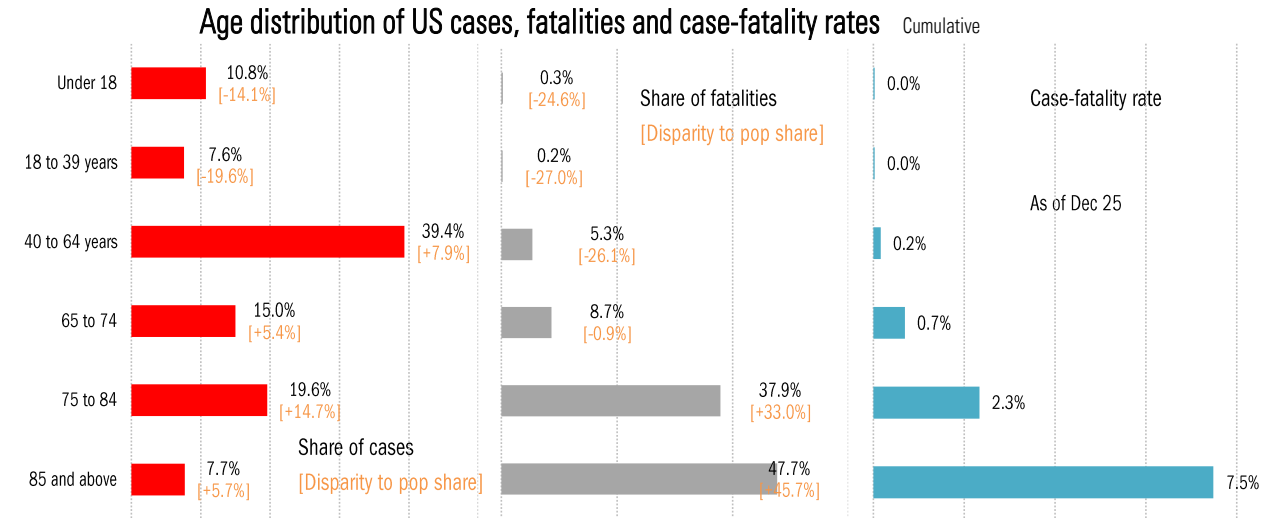


Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive



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



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

Take the day off, people!

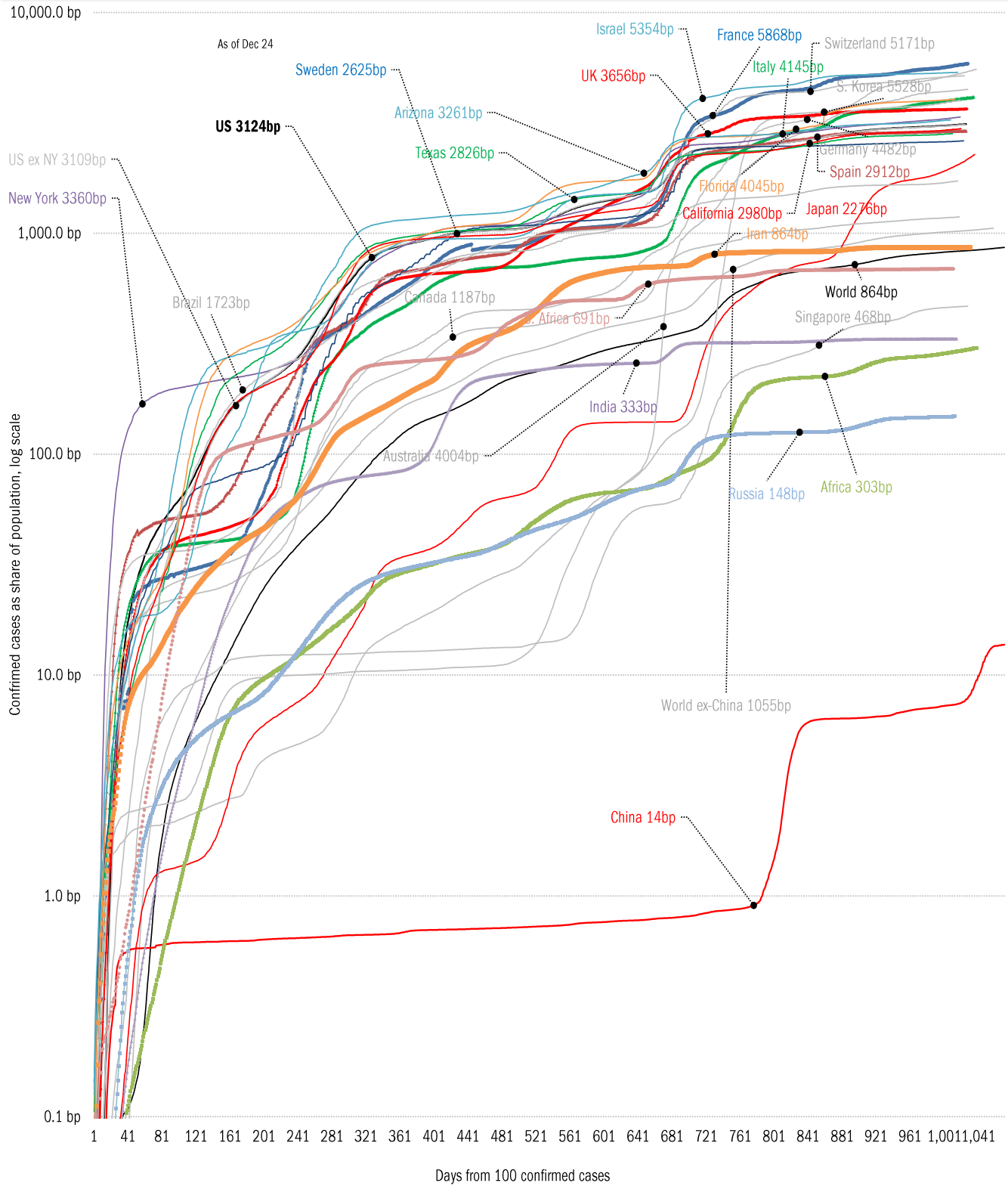
Meme of the Day



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

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

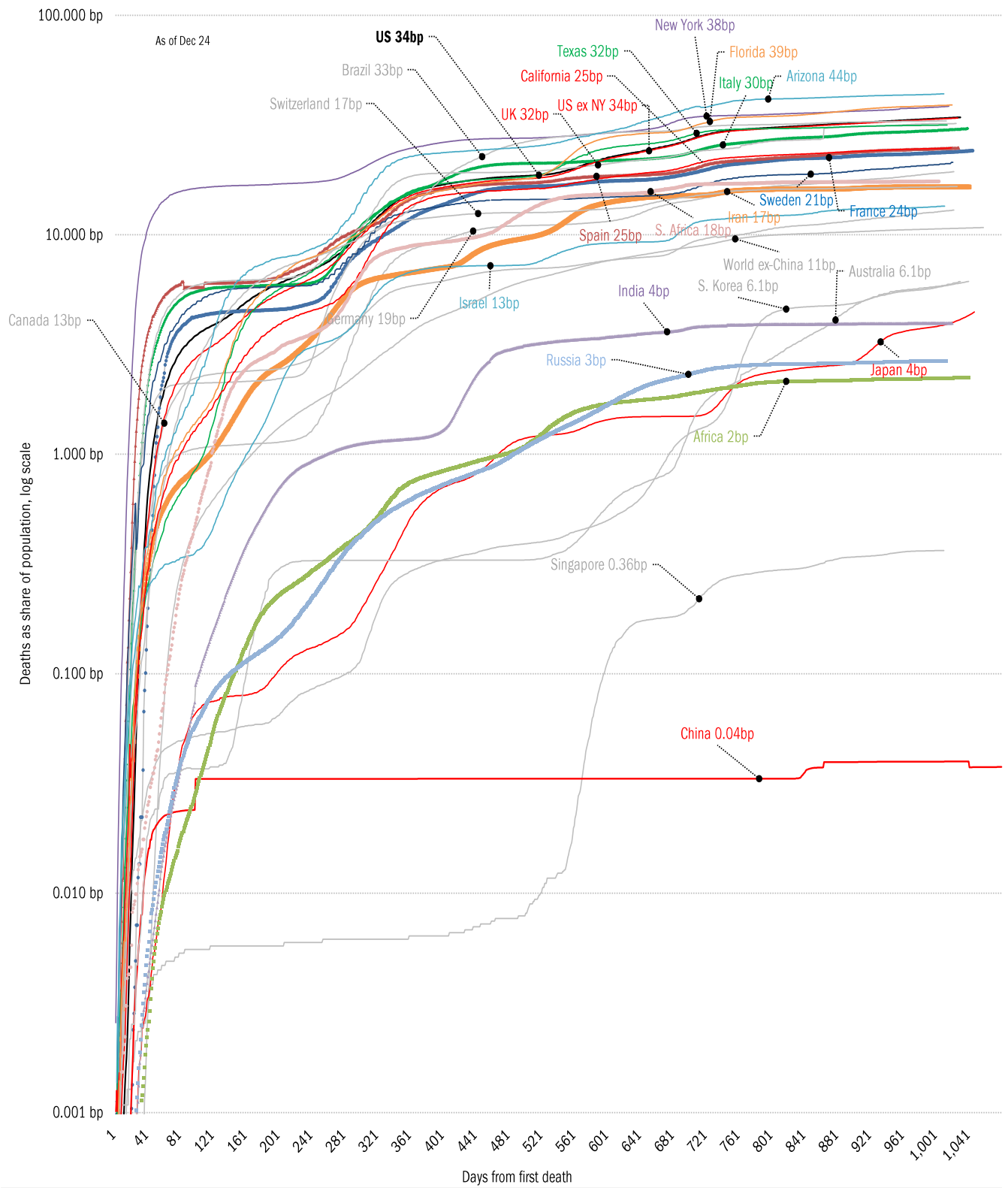
*Share of infected population from first day with 100 confirmed cases, log scale*



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*

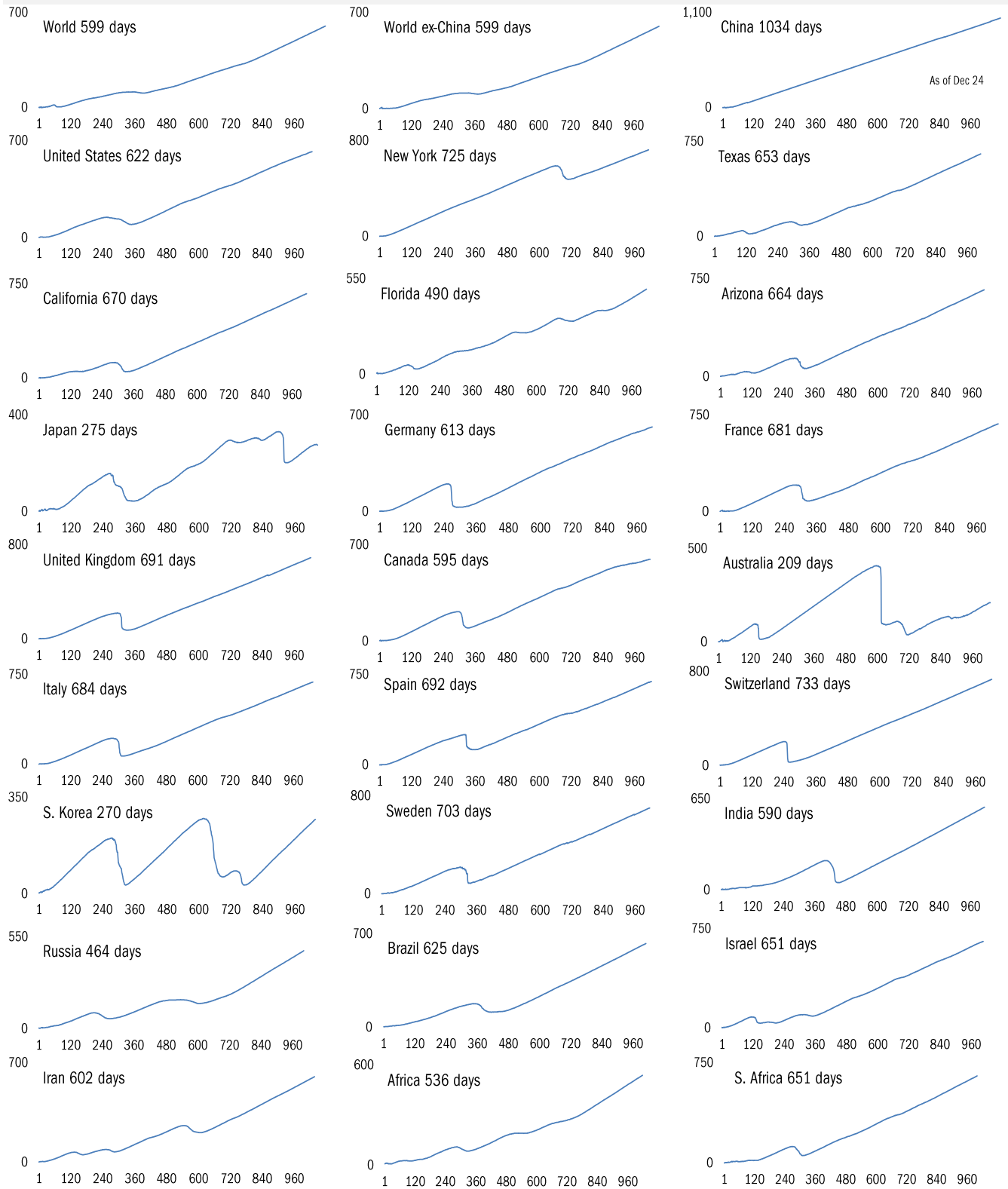


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

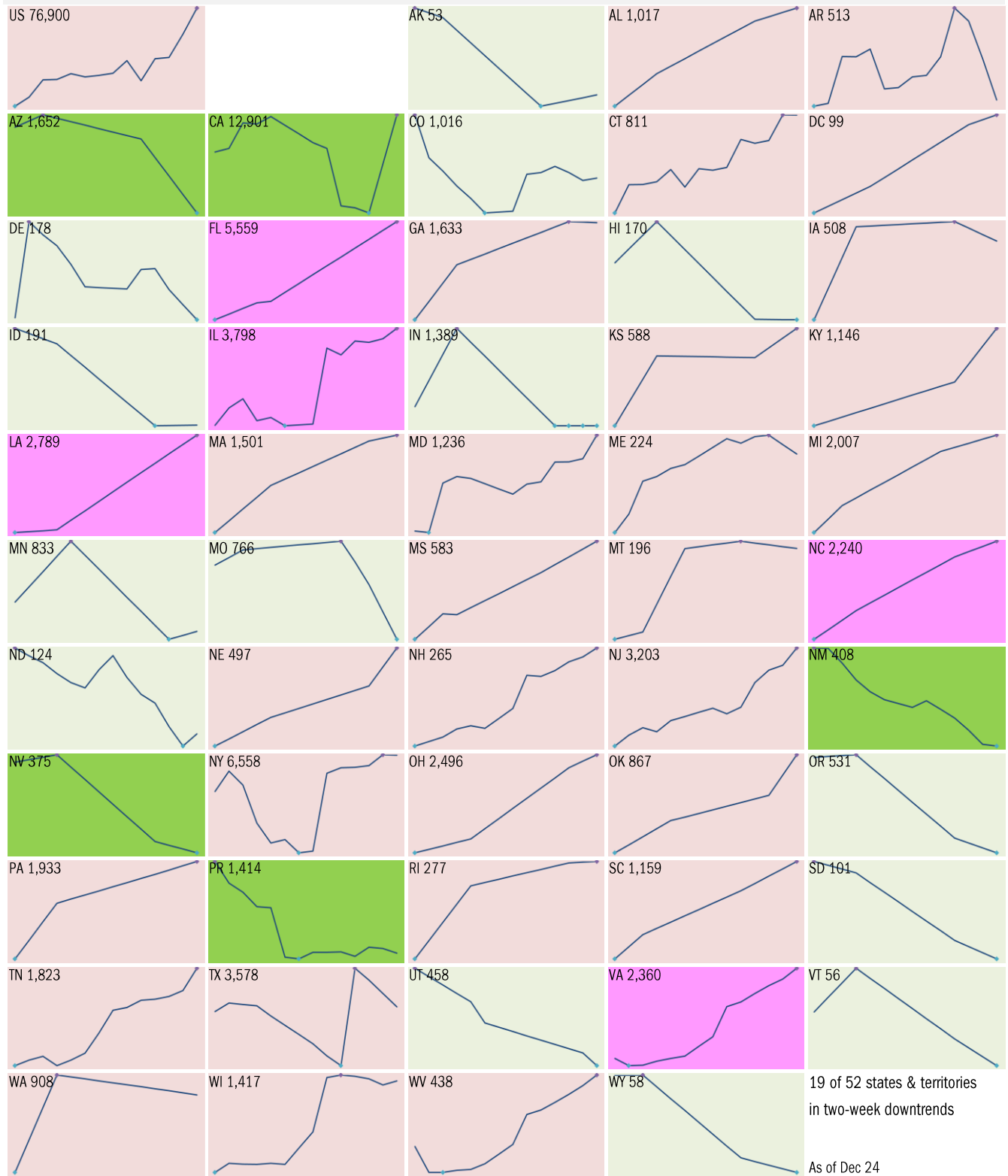


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

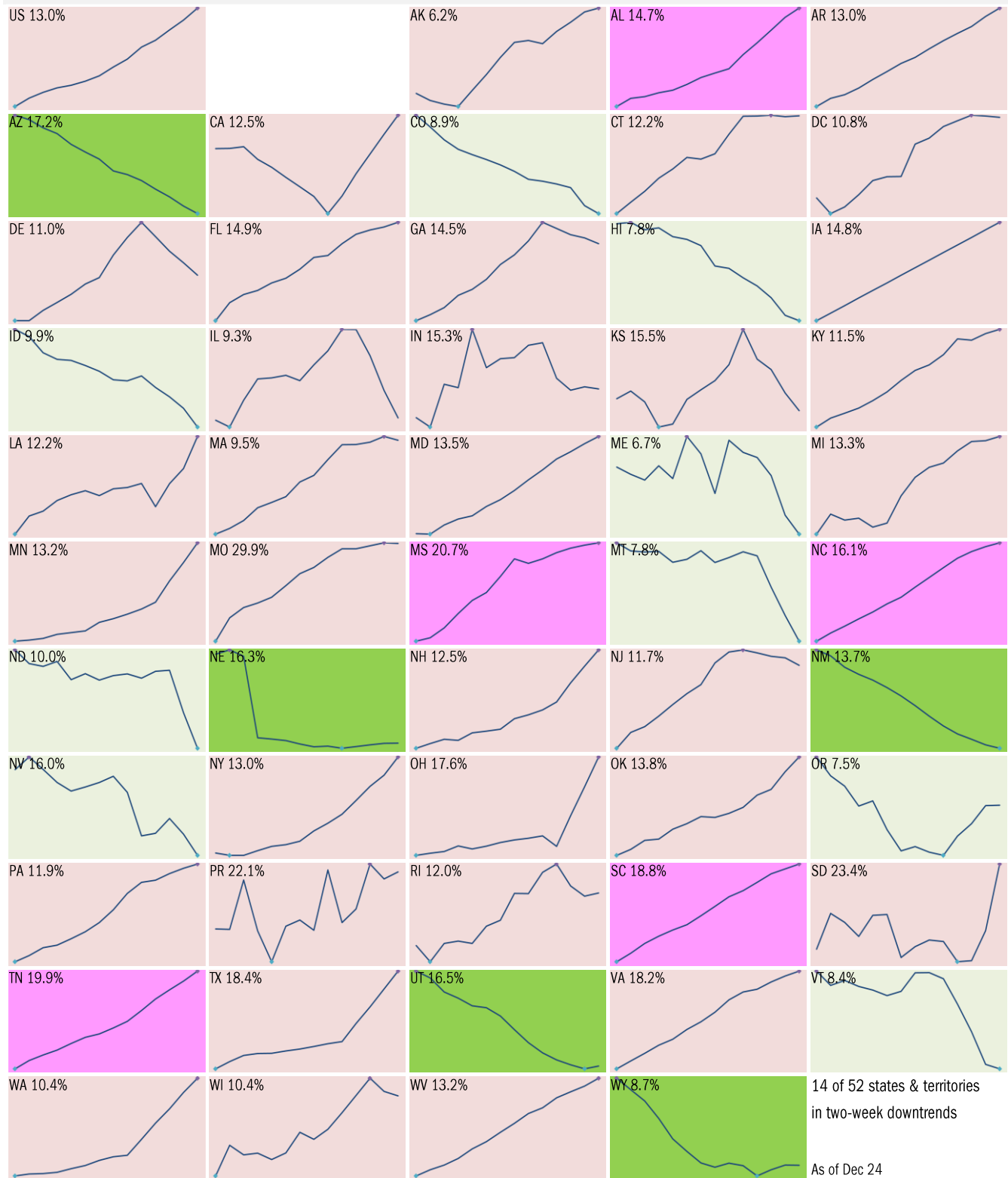


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

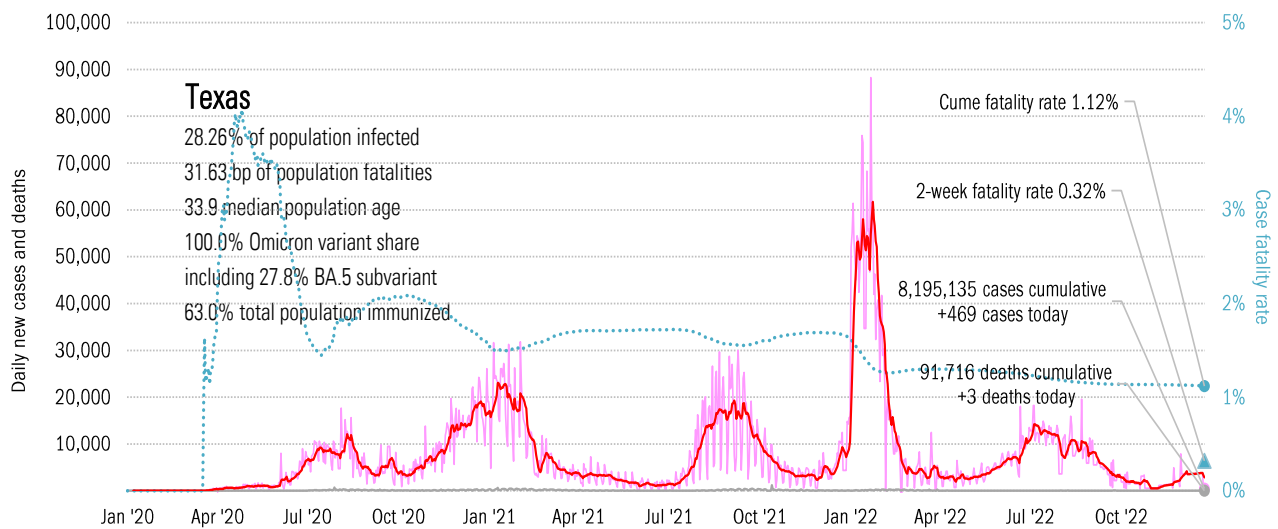
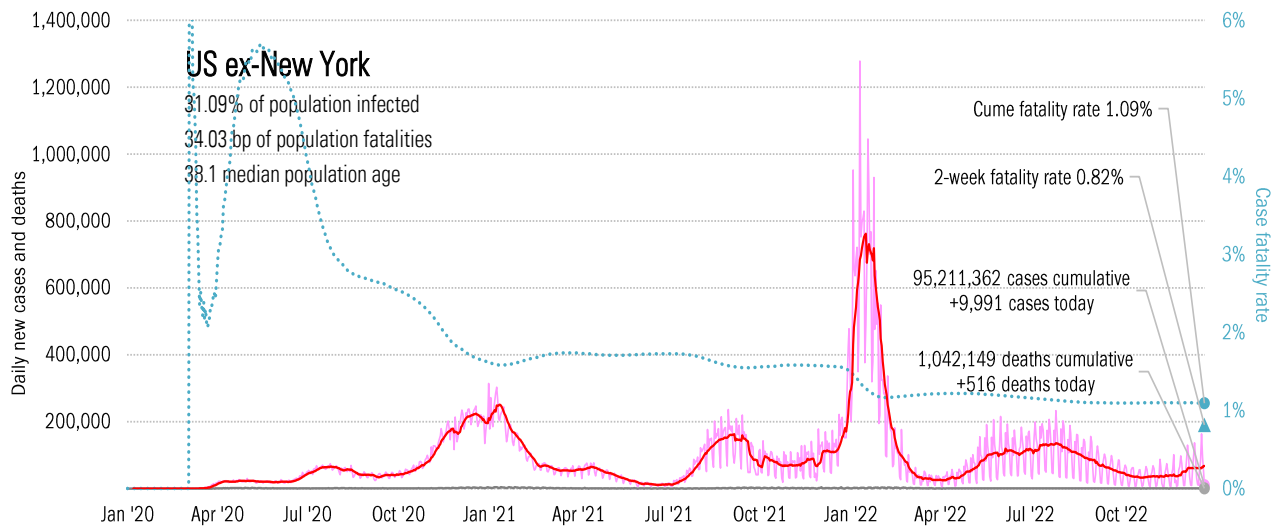
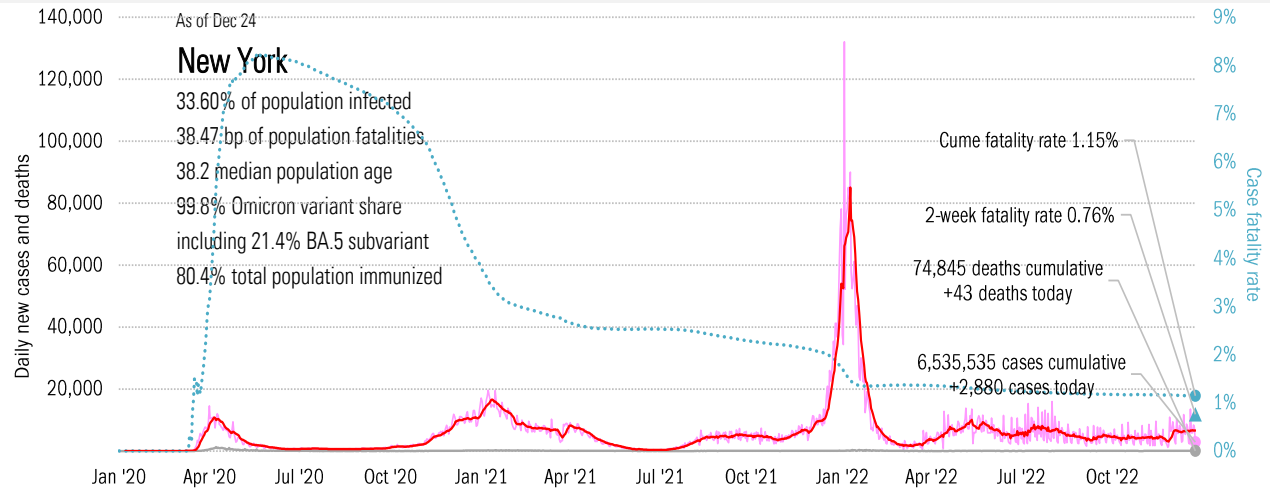
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

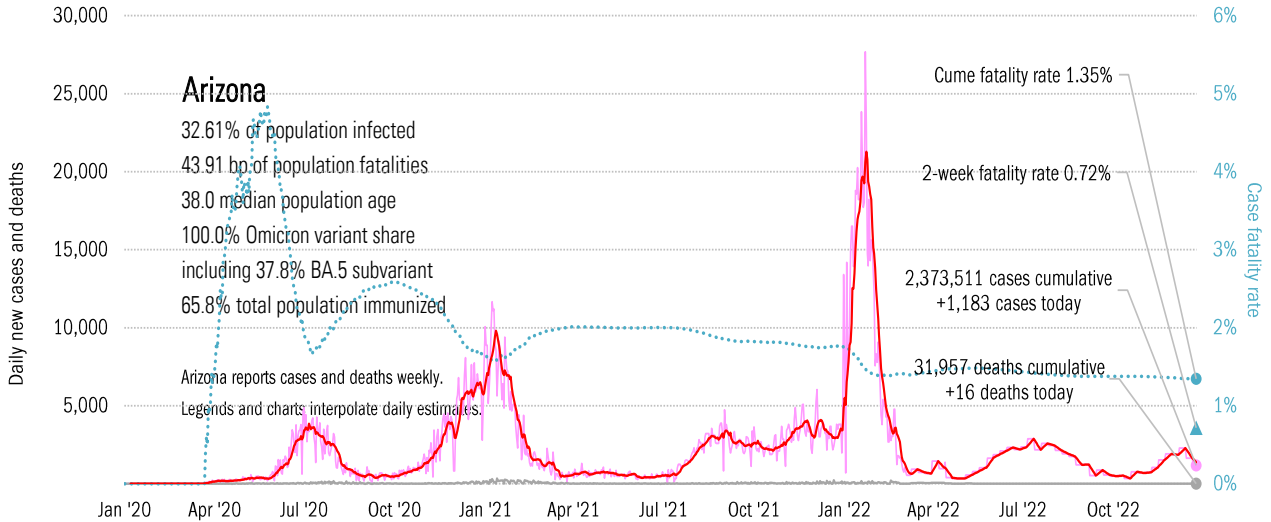
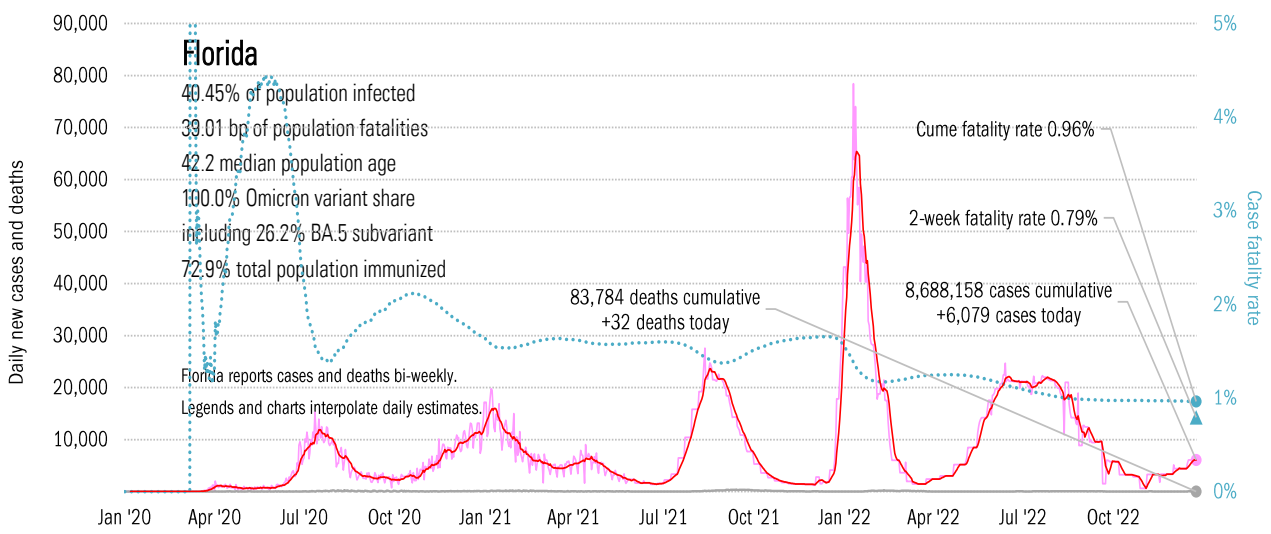
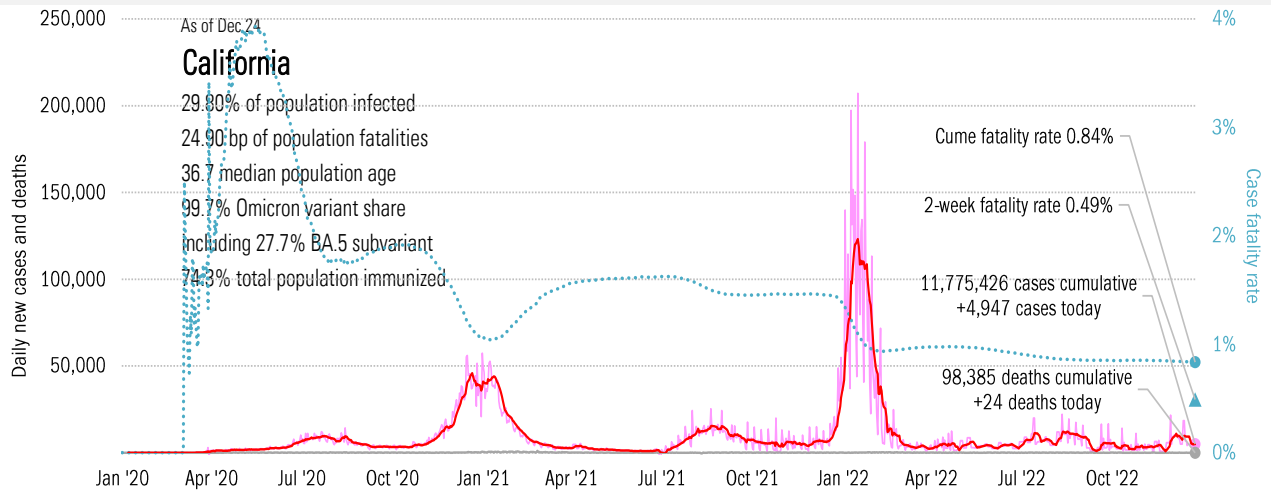
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

Cases: 7-day average and daily Deaths: Daily

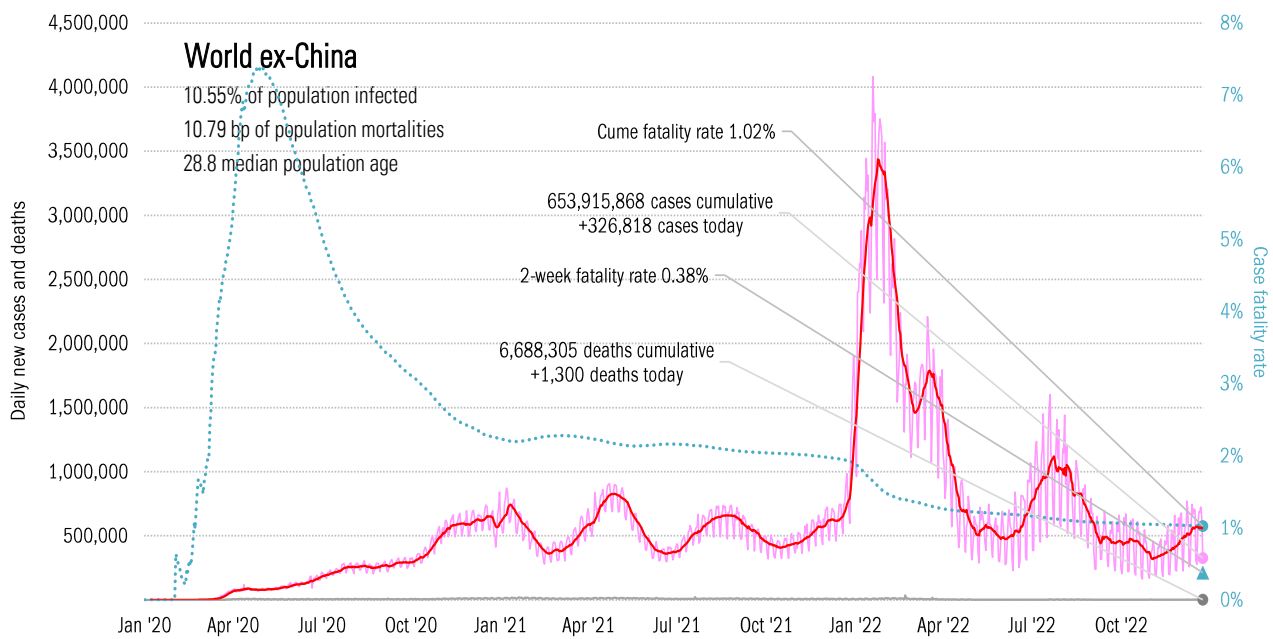
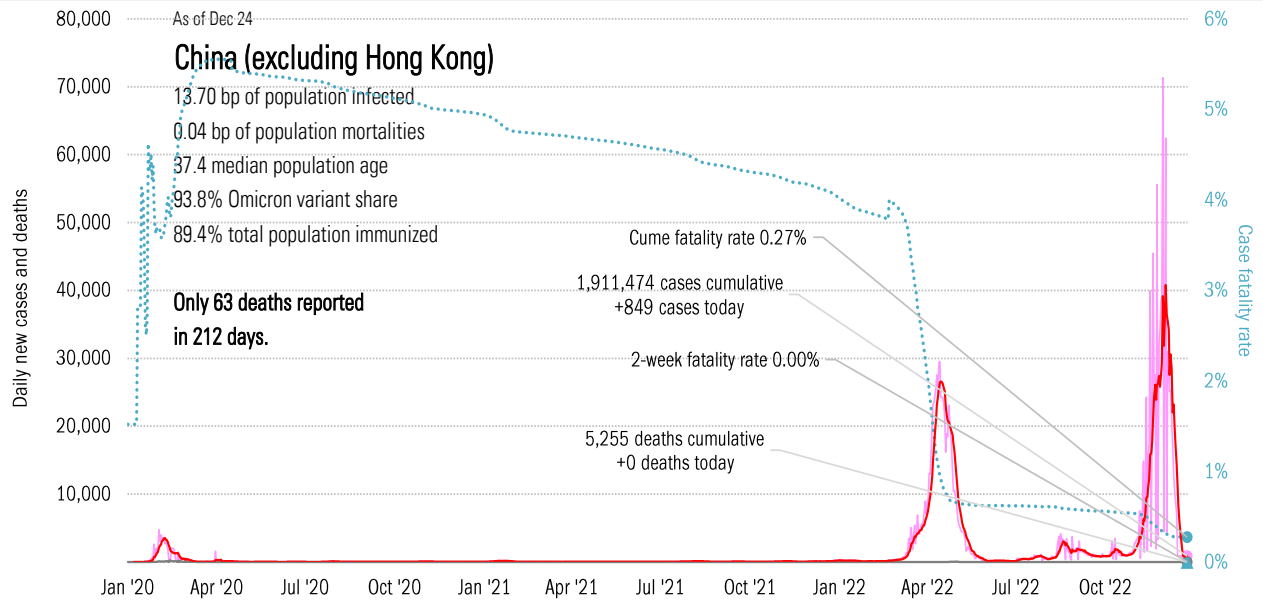


Source: [Johns Hopkins](#), TrendMacro calculations



# Patient zero... and then everyone else

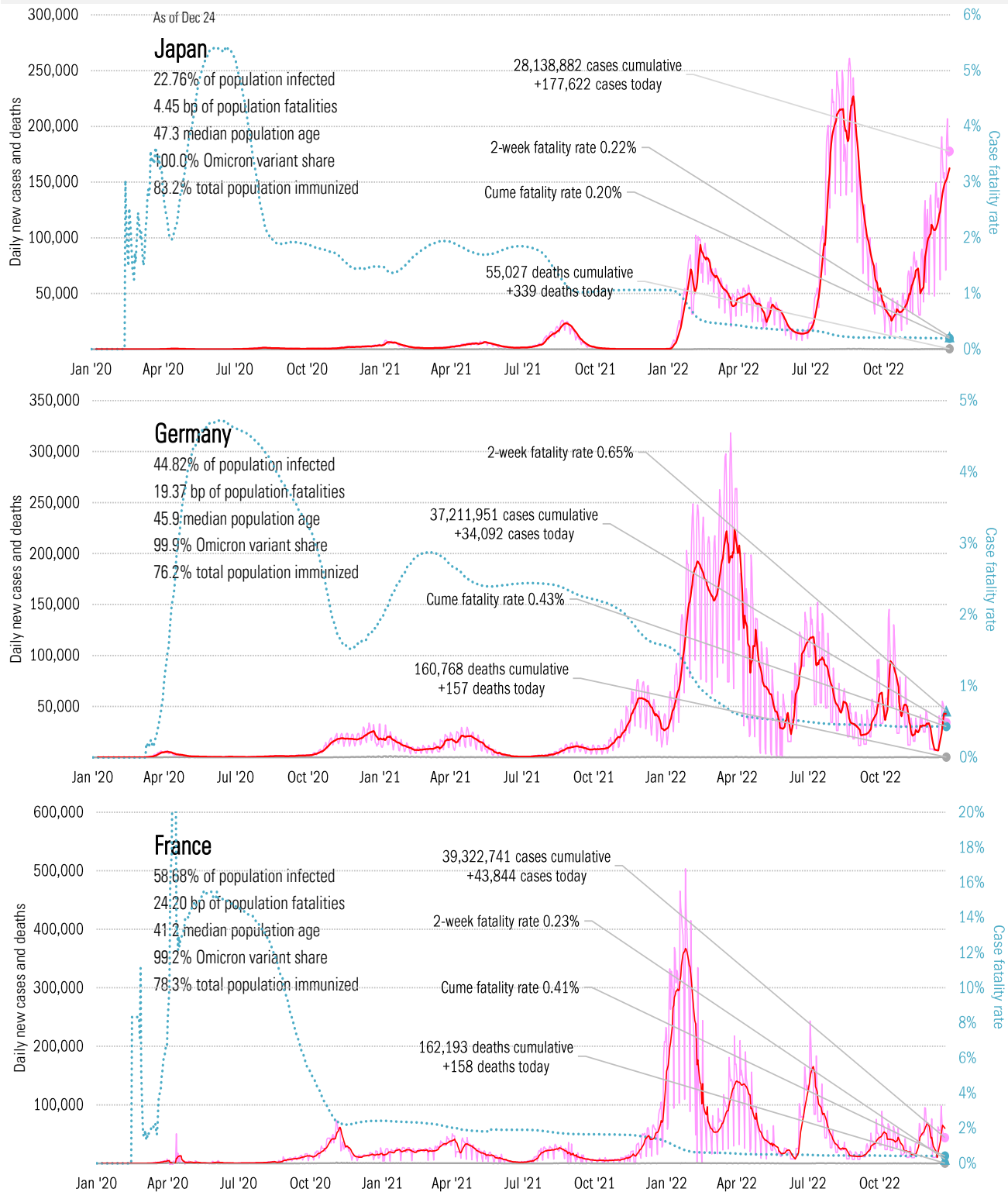
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

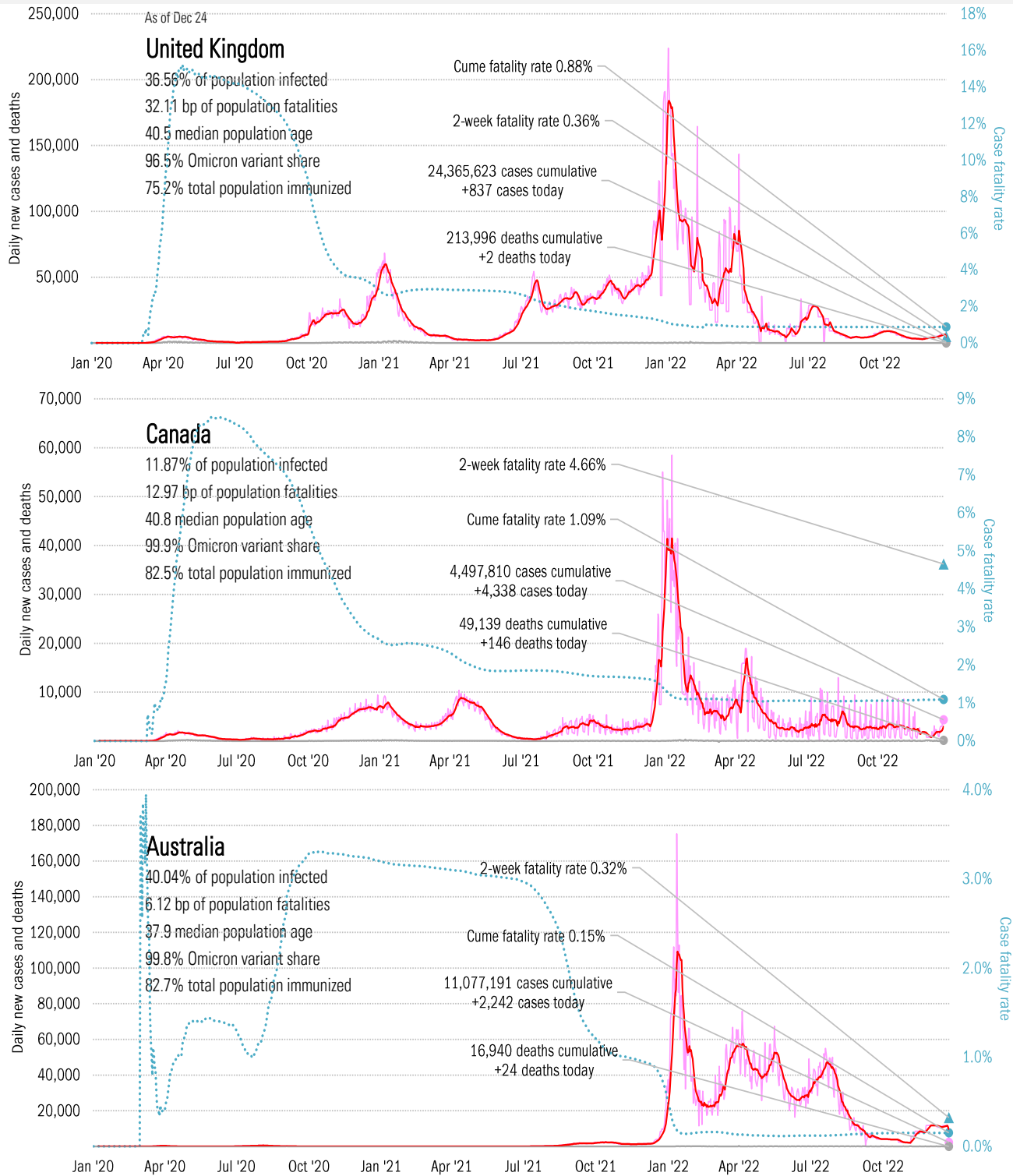
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

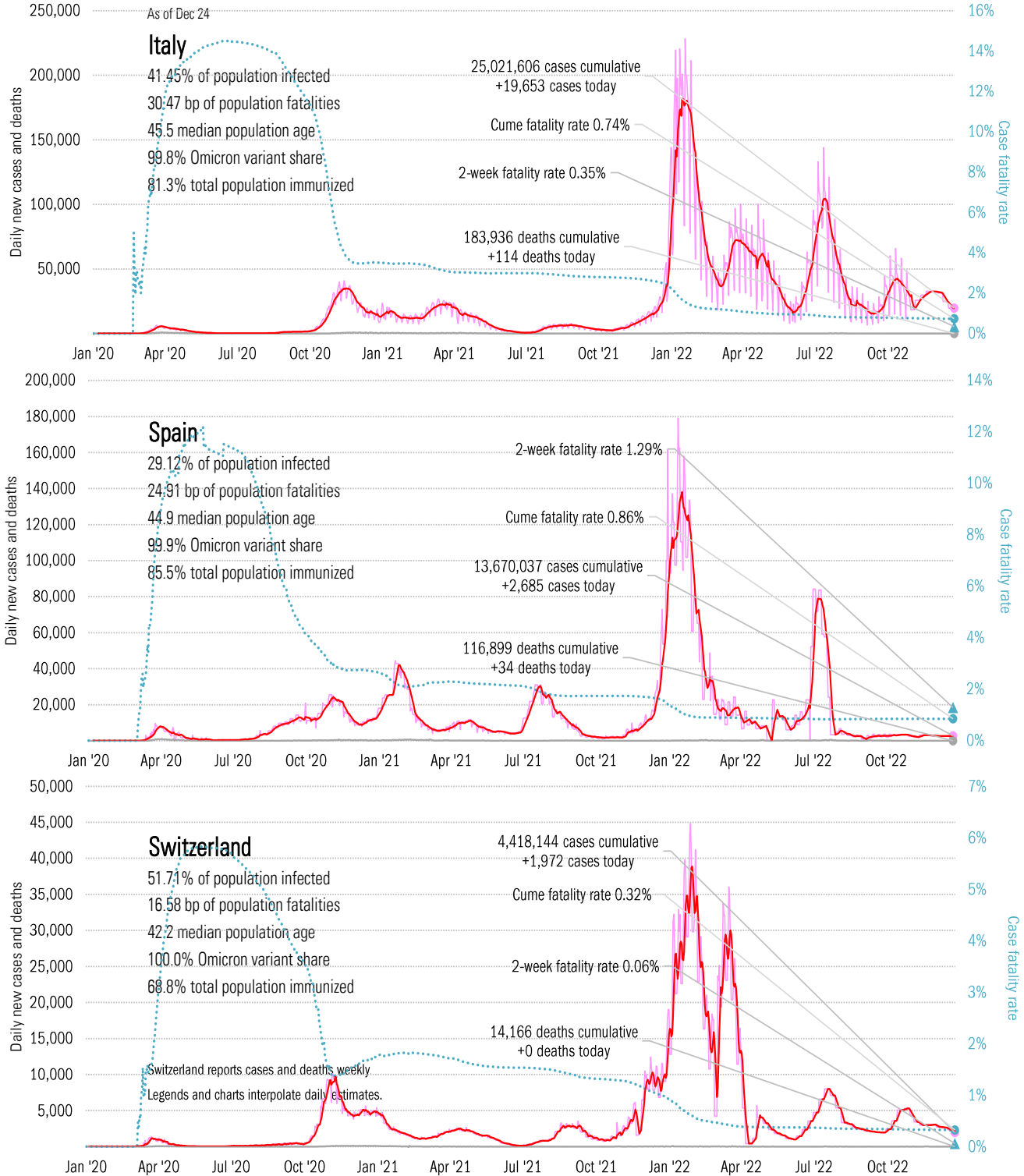
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

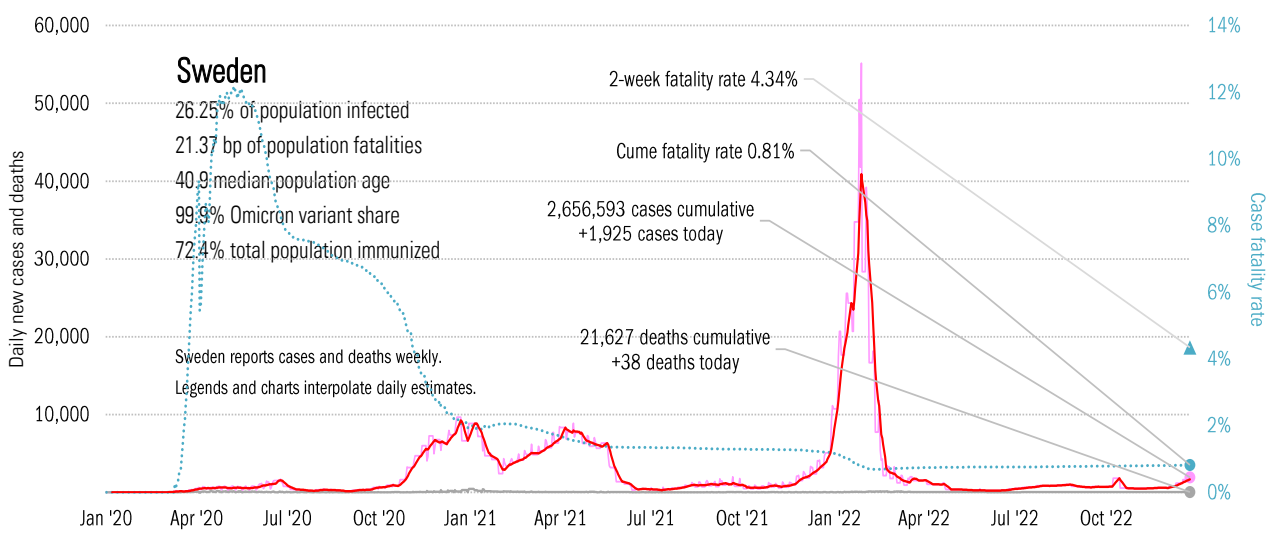
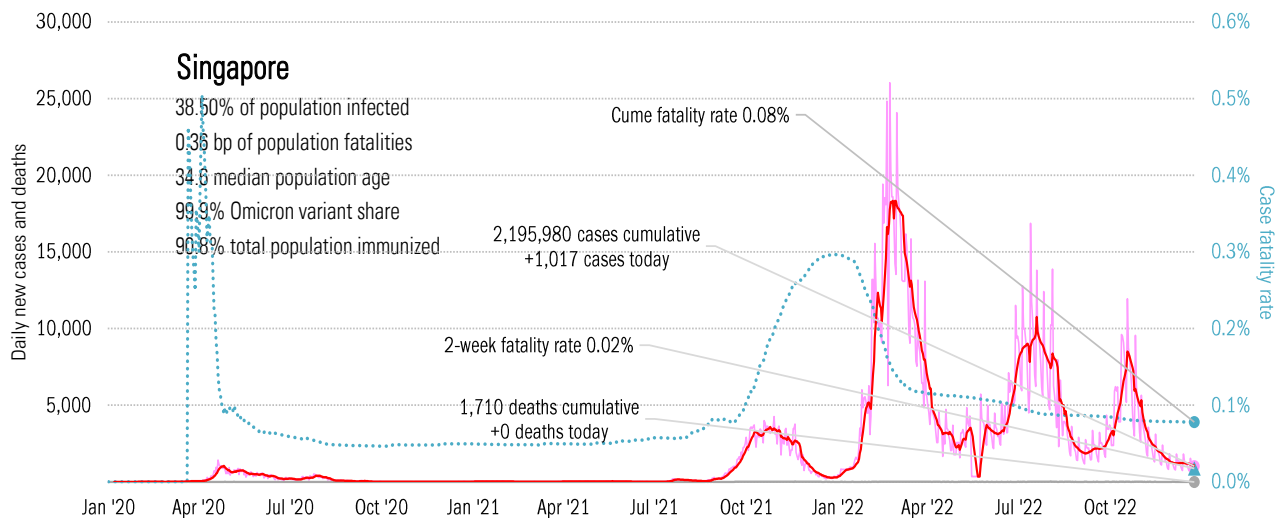
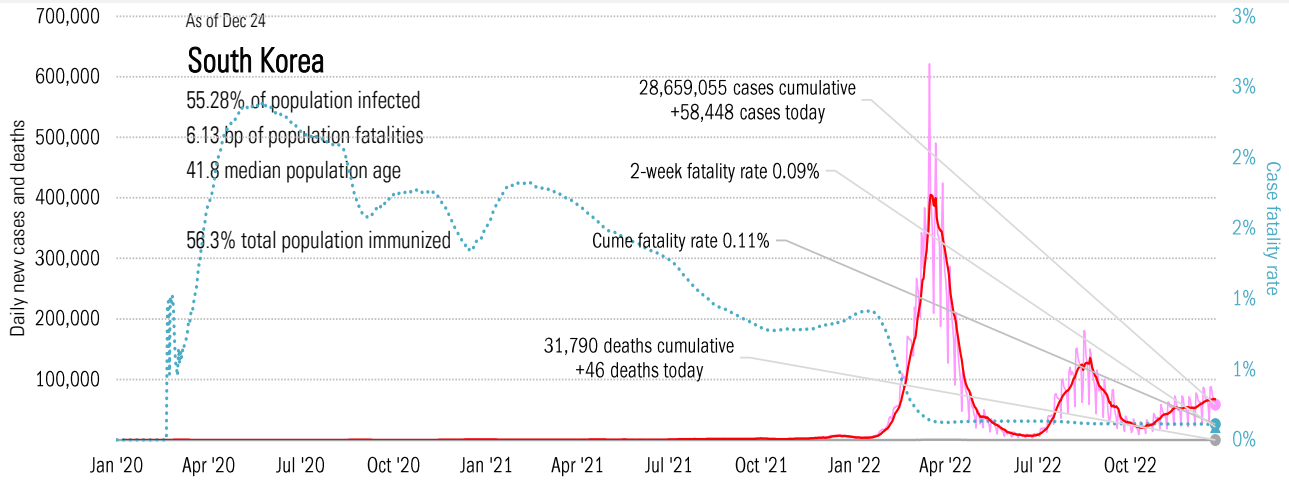
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

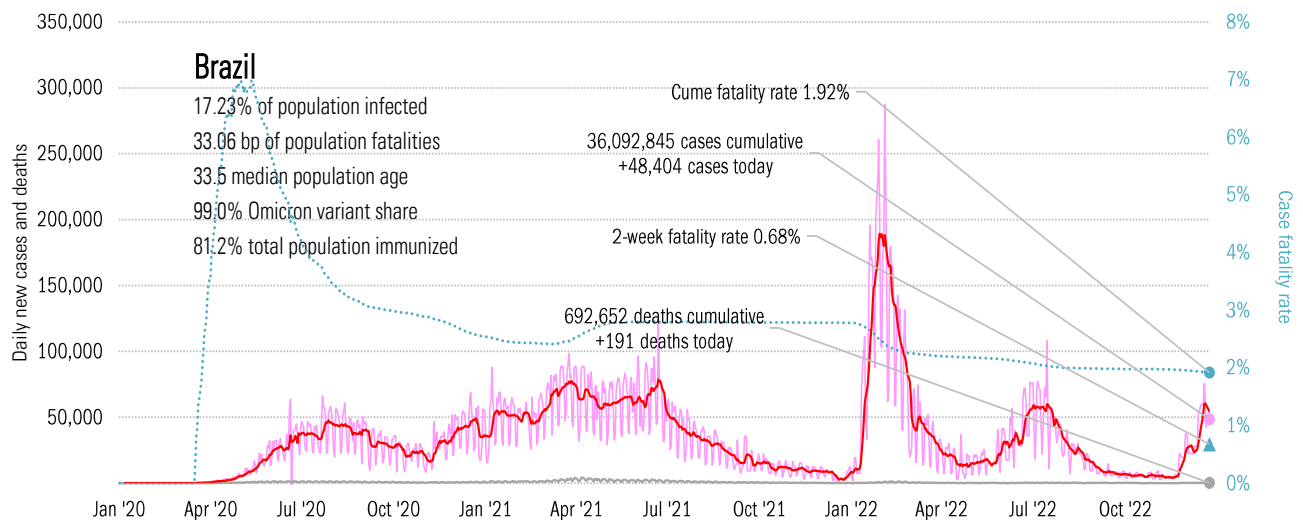
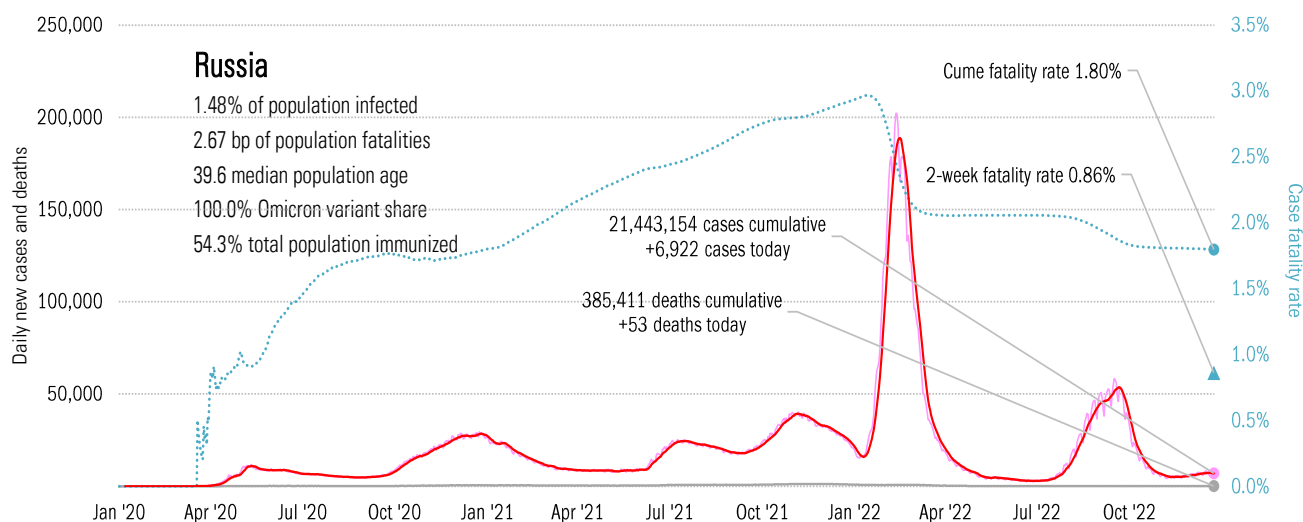
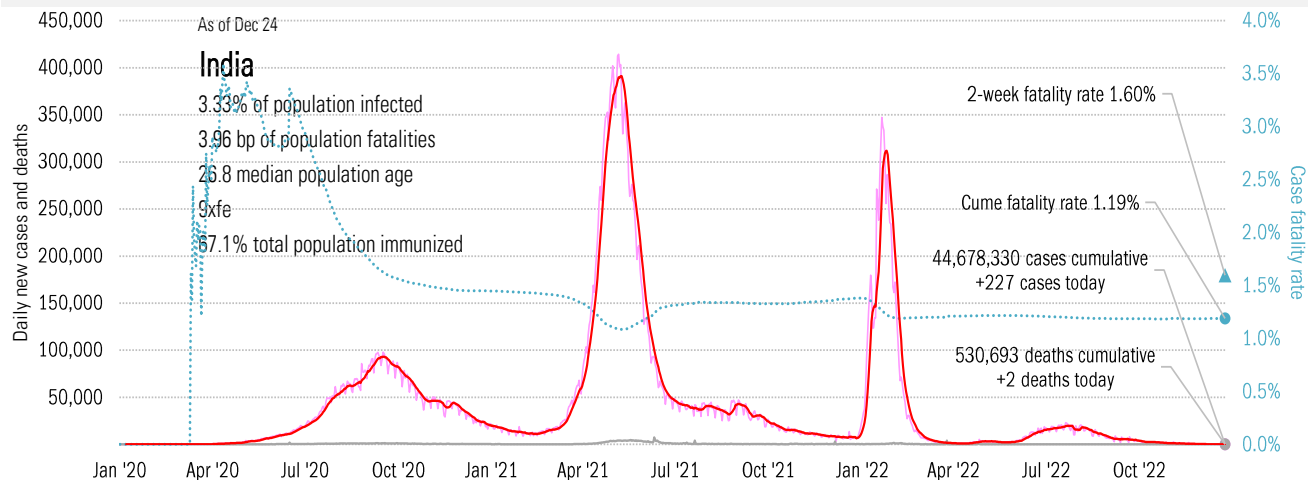
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in the BRICs ex-China

Cases: 7-day average and daily Deaths: Daily

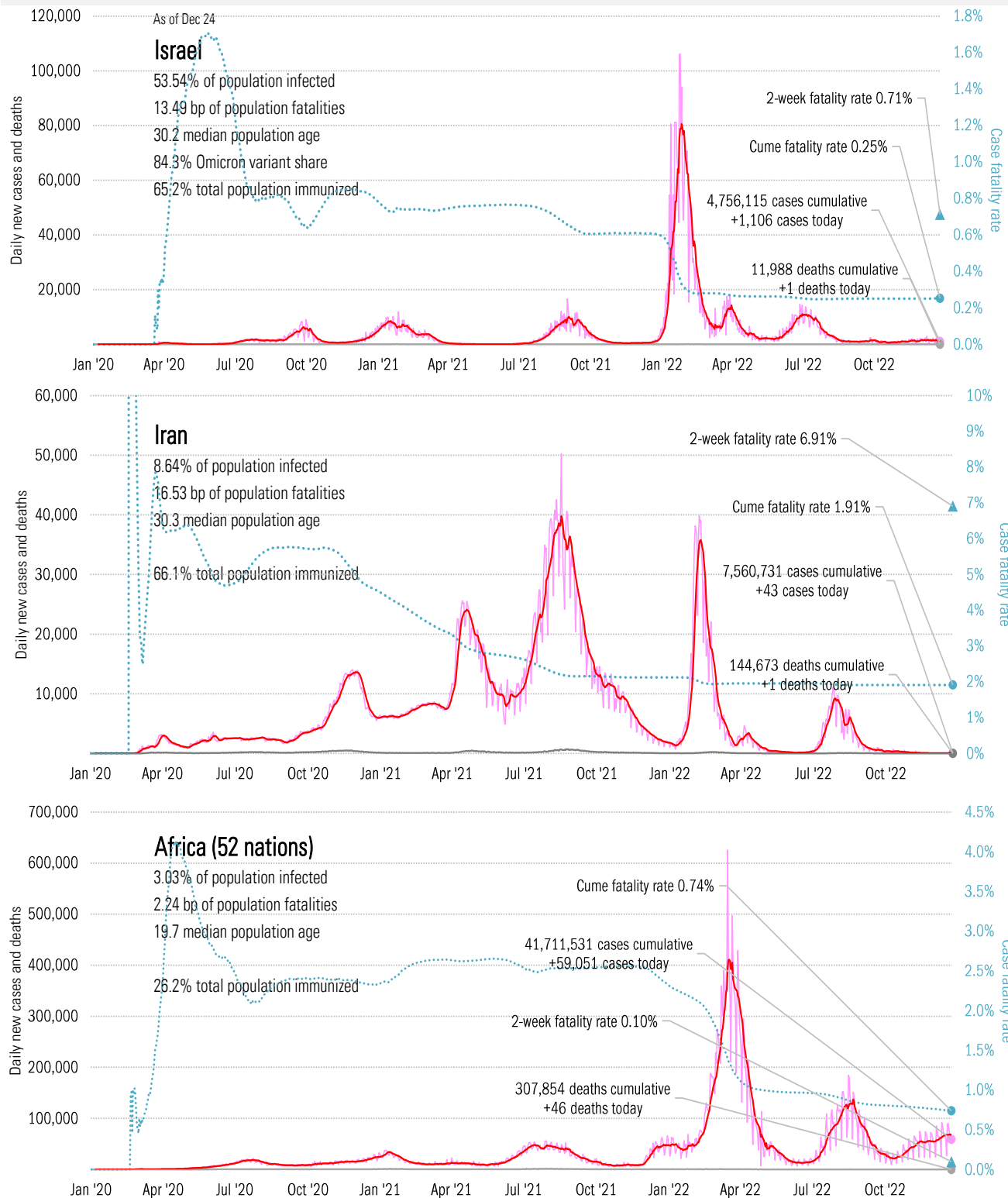


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the Middle East and Africa

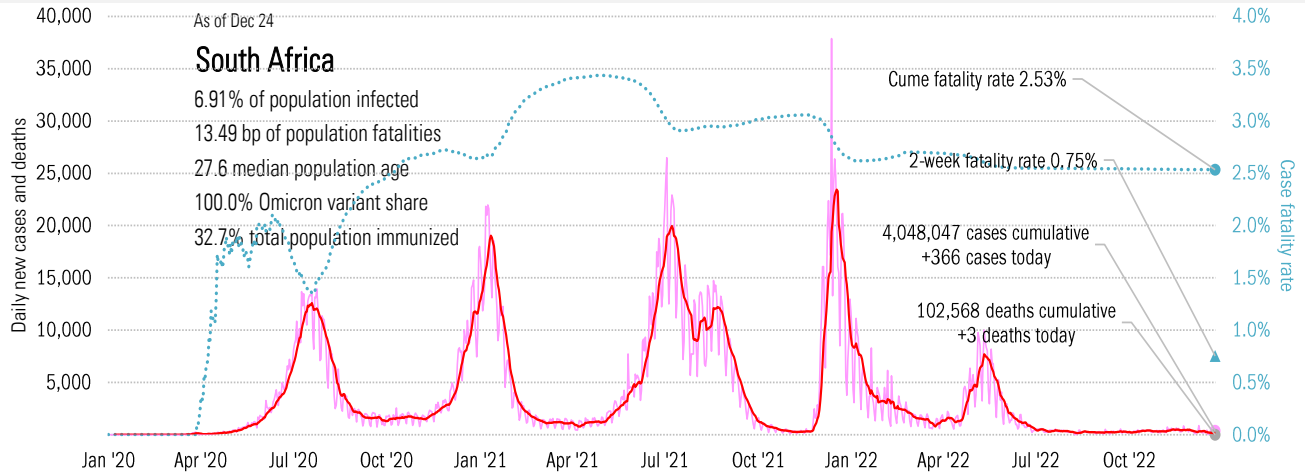
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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