

## Data Insights: Covid-2019 Monitor

Monday, December 5, 2022

### The global scorecard

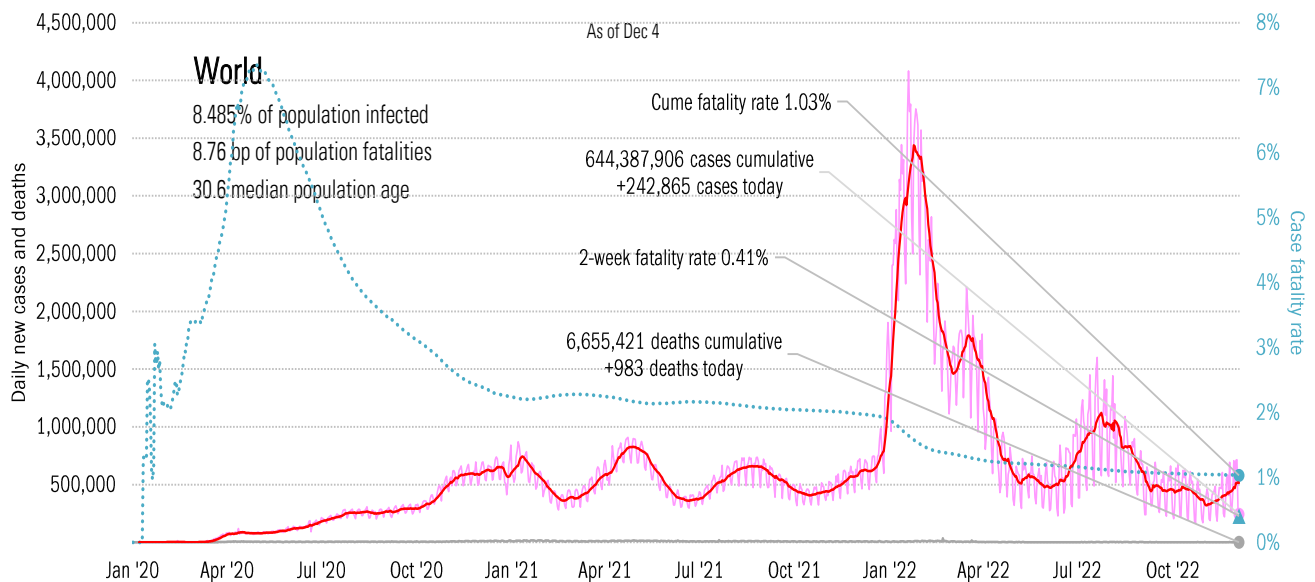
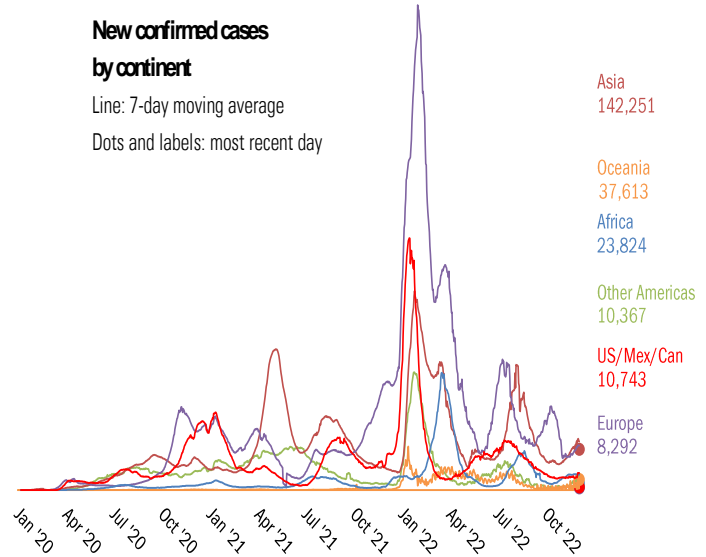
Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
United States	95,922	United States	247
Japan	89,566	Japan	151
France	59,008	Canada	131
Brazil	35,409	Brazil	129
New Zealand	34,502	Italy	91
Italy	32,489	Germany	89
China	30,986	France	67
Germany	27,841	United Kingdom	64
Korea, South	23,160	Russia	55
Taiwan*	13,009	Australia	41
	441,892		1,065

#### 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

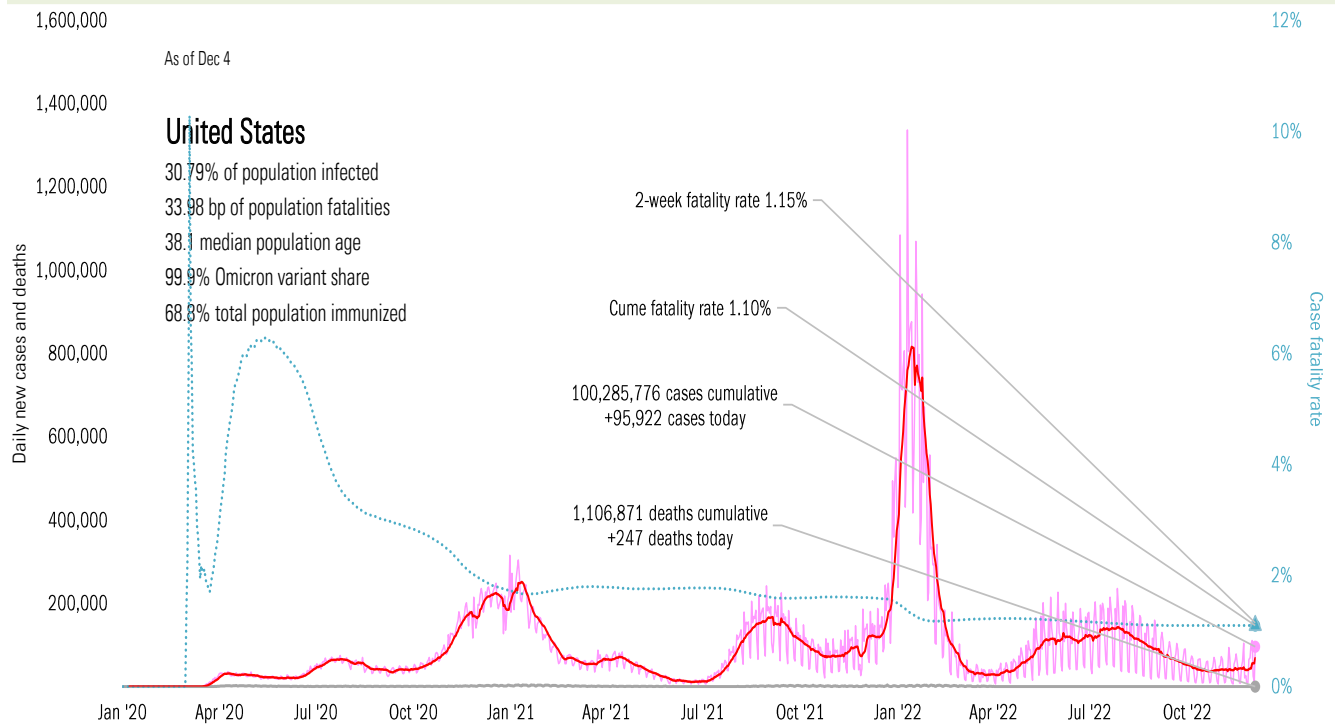
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
NJ	31,022		FL	47		CA	716		CA	11,543,461		CA	97,617		TX	557,670		DE	128%	DE	134%
CA	10,268		NY	34		TX	330		TX	8,105,643		TX	91,423		CA	523,039		RI	92%	TX	88%
PA	10,213		NJ	17		PA	203		FL	7,270,410		FL	83,201		FL	505,415		MA	88%	NC	88%
MA	5,830		UT	17		FL	266		NY	6,403,382		NY	74,050		NY	322,624		WA	87%	AK	86%
FL	4,419		PA	17		GA	123		IL	3,885,398		PA	48,387		GA	230,576		MN	87%	MA	86%
UT	4,394		MI	16		OH	227		PA	3,360,797		GA	41,070		CH	229,108		MO	86%	RI	86%
IL	3,299		CA	14		MO	120		NC	3,275,343		CH	40,558		PA	215,127		WV	86%	AL	85%
CH	2,299		IL	14		IN	115		OH	3,243,850		IL	40,339		IL	197,314		NH	85%	GA	85%
NY	2,258		MA	13		NJ	190		GA	2,943,519		MI	40,085		MI	170,951		MD	85%	KY	84%
VA	1,910		NE	10		MI	140		MI	2,938,443		NJ	35,161		KY	148,289		NV	84%	NM	84%
75,912			198			2,430			52,970,246			591,891			3,100,113						
All states	95,922			247			4,739		All states	100,285,776			1,106,871			5,632,264		All states	70%		67%
Top ten	79%			80%			51%		Top ten	53%			55%			55%		Median	79%		78%

Some states not reporting

## Five most improved US states

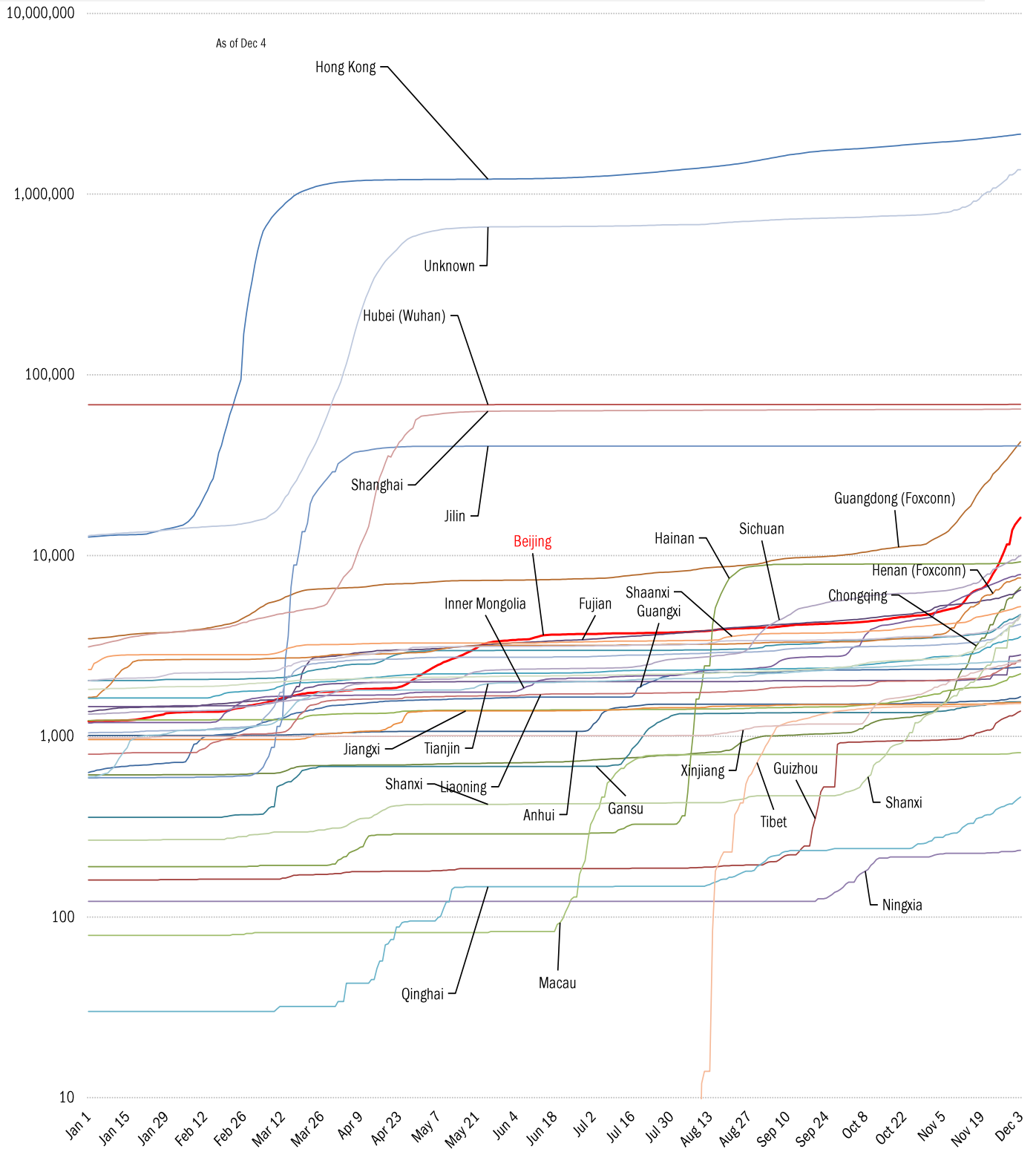
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-1,041	AR	-7	CO	-57
AR	-298	AK	0	TN	-42
CT	-167	AL	0	CR	-38
AK	0	AZ	0	IA	-34
AL	0	CA	0	NV	-33



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"*

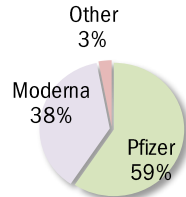


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered Doses	Cumulative	Today	Immunity	Full	Partial
	671,635,963	+0.328 million	US	68.8%	80.7%
		Of which boosters: +0.325 million	UK	75.2%	79.7%
			France	78.3%	80.5%
			Spain	85.5%	86.9%
			Germany	76.2%	77.8%
			Italy	81.3%	86.2%
			Australia	82.7%	85.0%
			Israel	65.2%	71.1%
			Canada	82.4%	89.2%
			Japan	83.1%	84.2%
			Africa	25.6%	31.7%
			India	67.1%	72.5%
			Brazil	80.9%	87.3%
			China	89.3%	91.5%



AK	72.5%
	64.8%

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

Best
Middle
Worst

"Immunity" = two doses

WI	74.6%
	67.8%

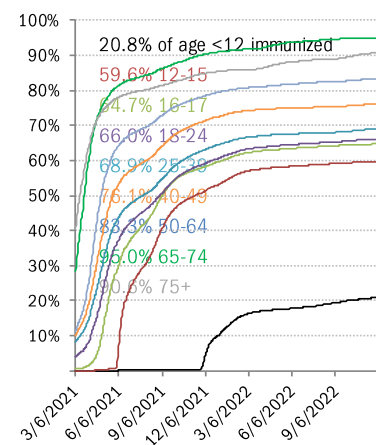
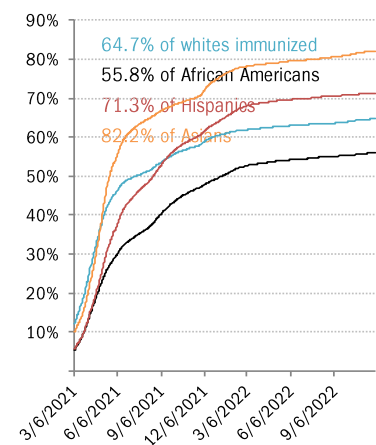
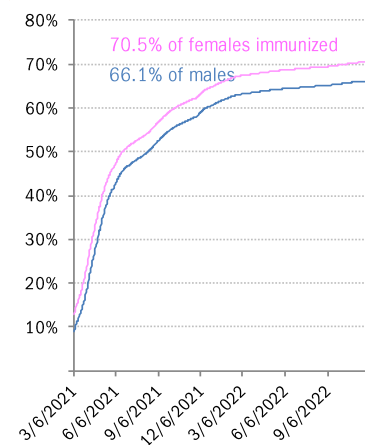
As of Dec 2

ME	95.0%
	82.7%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
84.5%	63.5%	67.8%	68.8%	78.2%	78.8%	69.1%	93.7%	95.0%	86.4%	
75.5%	56.1%	58.8%	58.2%	71.6%	70.9%	62.0%	80.1%	84.8%	70.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
80.9%	78.3%	60.5%	83.0%	70.2%	64.0%	65.3%	89.7%	93.9%	95.0%	
71.8%	63.1%	52.8%	65.7%	64.0%	57.5%	60.1%	72.5%	78.6%	83.4%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.0%	74.7%	83.1%	72.9%	68.9%	68.4%	67.1%	90.2%	90.9%	95.0%	95.0%
74.2%	66.3%	73.0%	65.8%	58.6%	59.3%	59.4%	76.1%	79.1%	82.5%	87.0%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
76.7%	93.3%	75.6%	69.4%	64.1%	90.9%	70.5%	95.0%	86.7%		
65.6%	74.6%	64.8%	56.5%	56.1%	66.3%	59.5%	84.6%	72.0%		
OK	LA	MS	AL	GA						
74.1%	62.5%	61.4%	64.7%	67.7%						
60.0%	54.8%	53.5%	52.9%	56.7%						
TX										
75.7%										
62.9%										
HI										
90.8%										
81.0%										
	FL									
	81.9%									
	69.0%									
		PR								
		95.0%								
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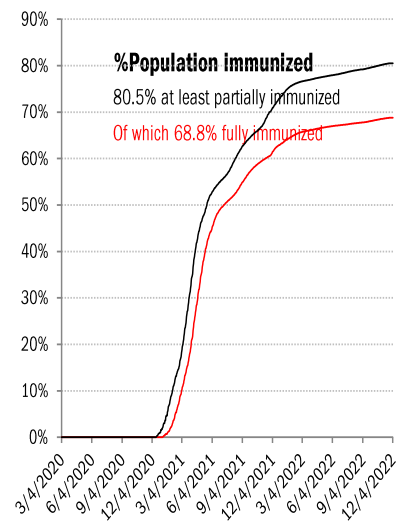
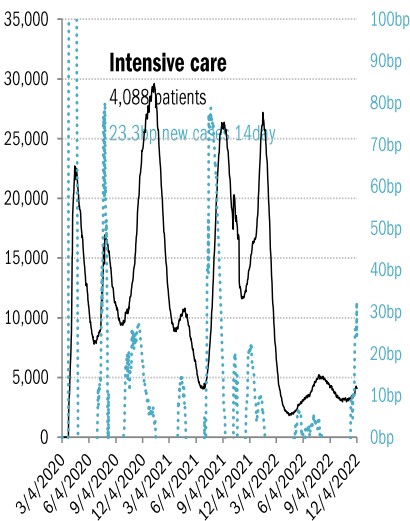
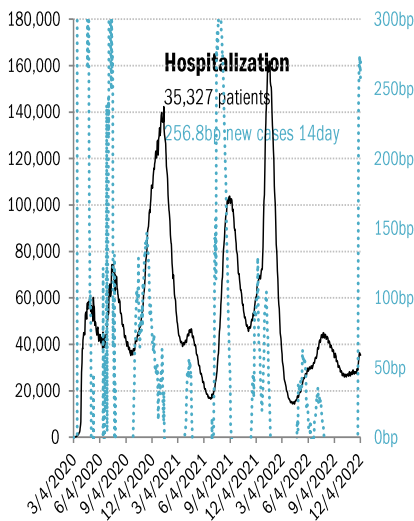
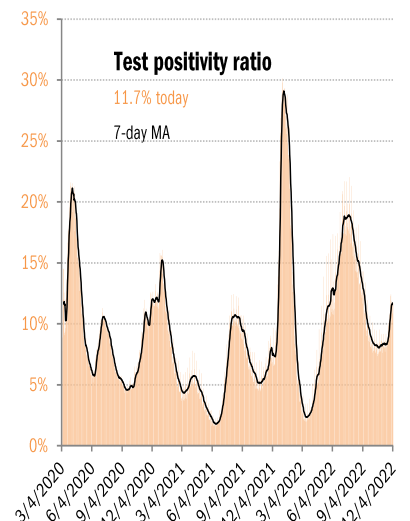
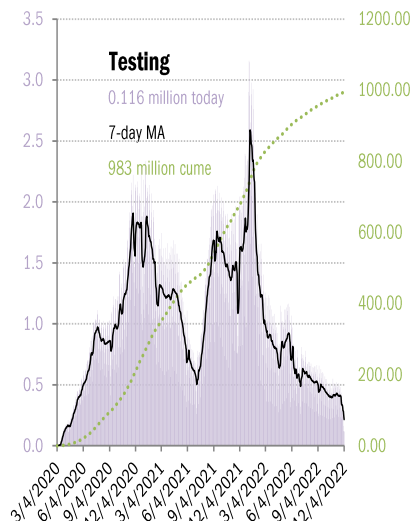
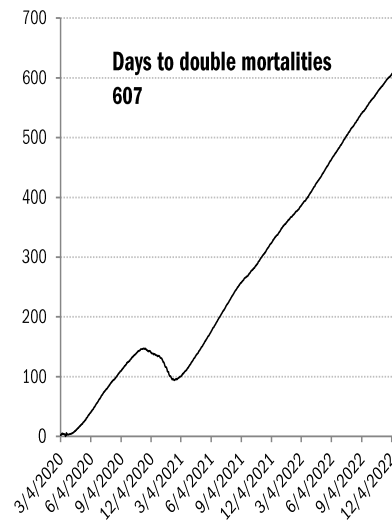
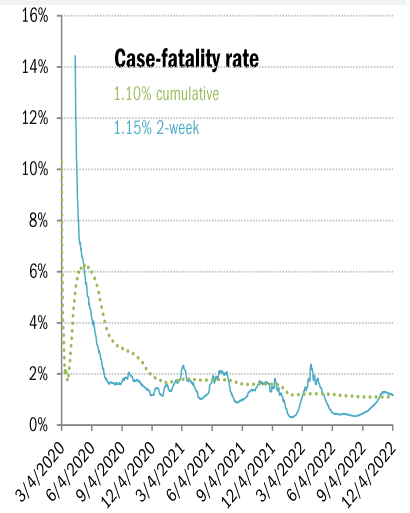
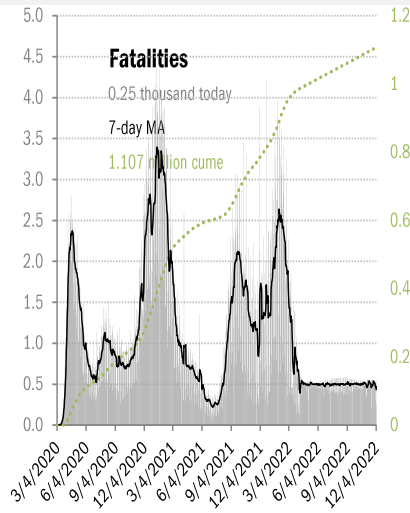
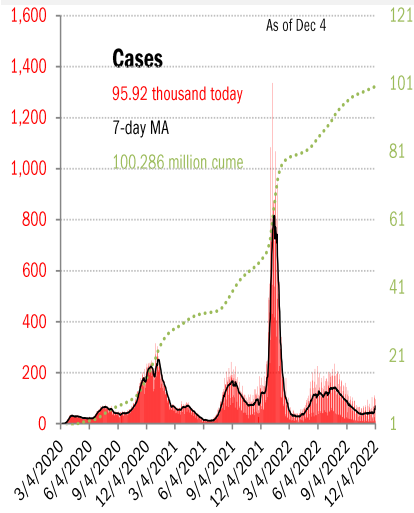
Global data differs due to sources, timing

## The demographics of US vaccination

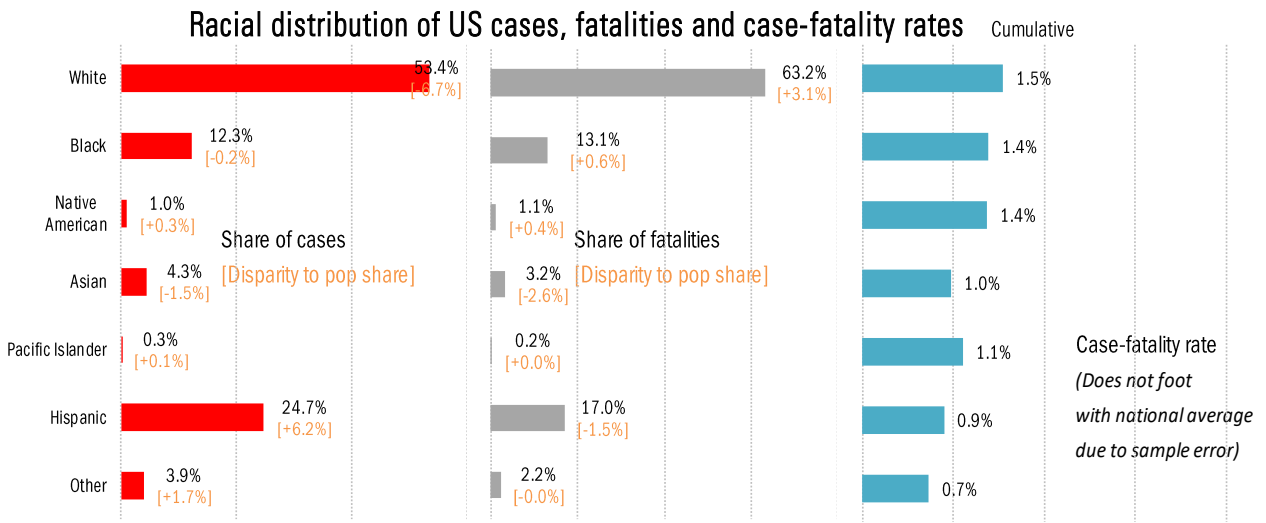
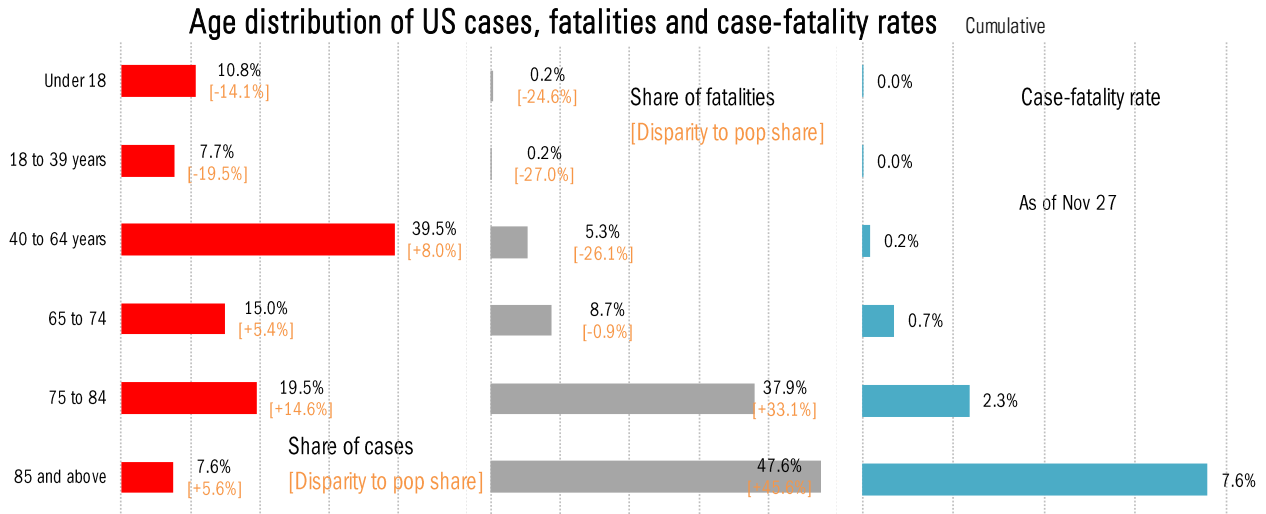


Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

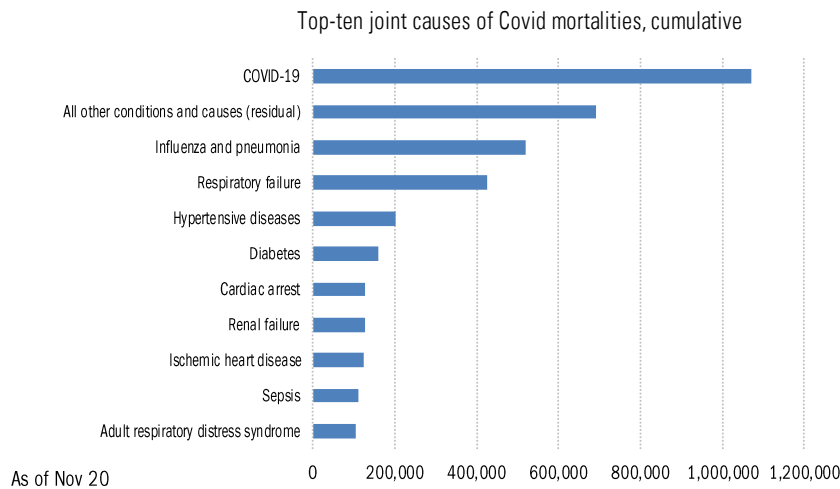
# US deep-dive



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

### [China's Struggle With Covid Is Just Beginning](#)

Yanzhong Huang  
*New York Times*  
December 4, 2022

### [Covid is weakening, China state media claims, as major cities lift lockdowns](#)

Helen Davidson  
*The Guardian*  
December 5, 2022

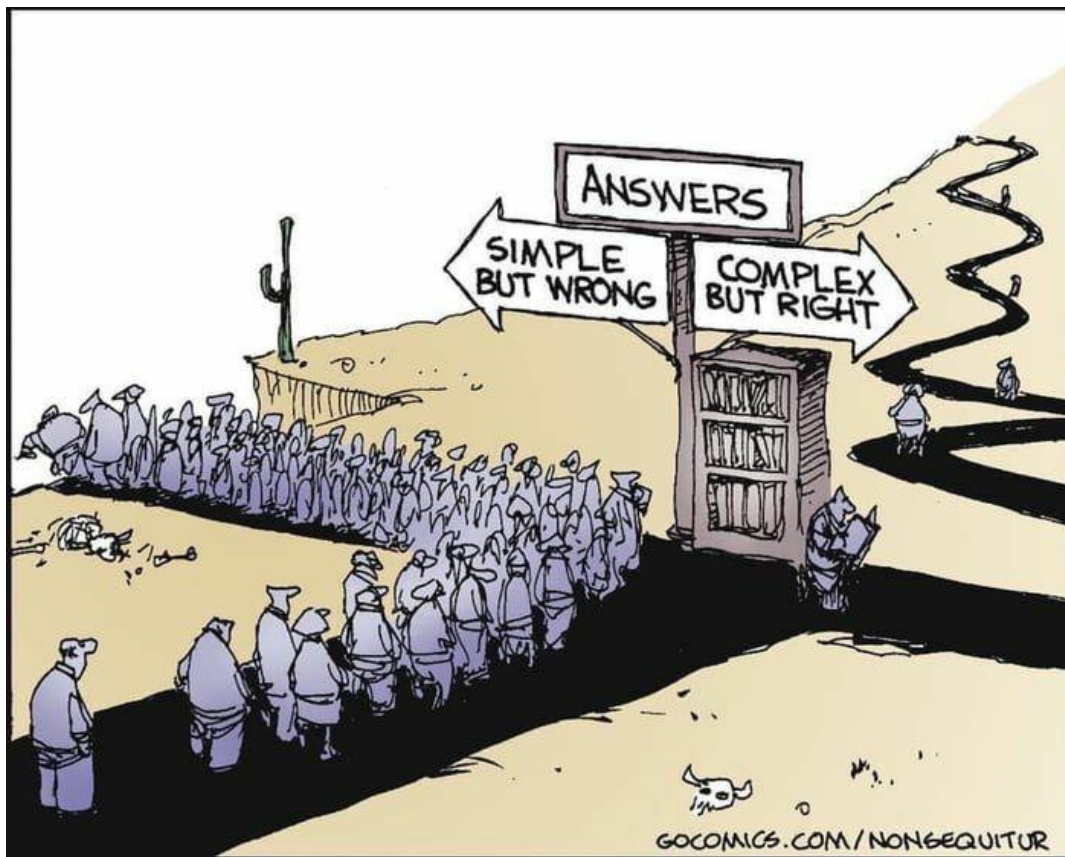
### [Covid hospitalizations rising post-Thanksgiving after an autumn lull](#)

Fenit Nirappil and Jacqueline Dupree  
*Washington Post*  
December 4, 2022

### [Chinese cities ease curbs but full zero-COVID exit seen some way off](#)

Martin Quin Pollard  
*Reuters*  
December 4, 2022

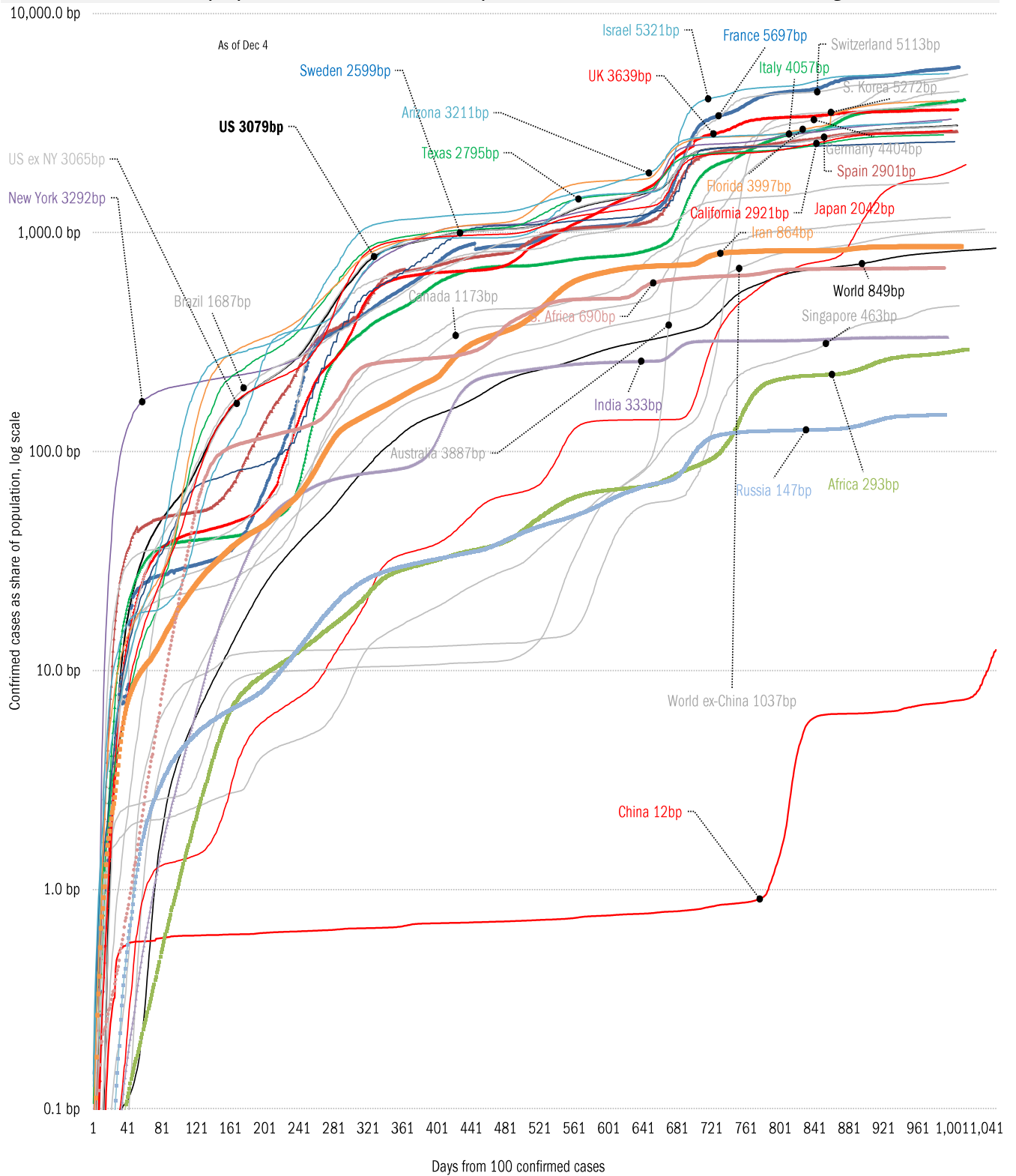
## Meme of the Day



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

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

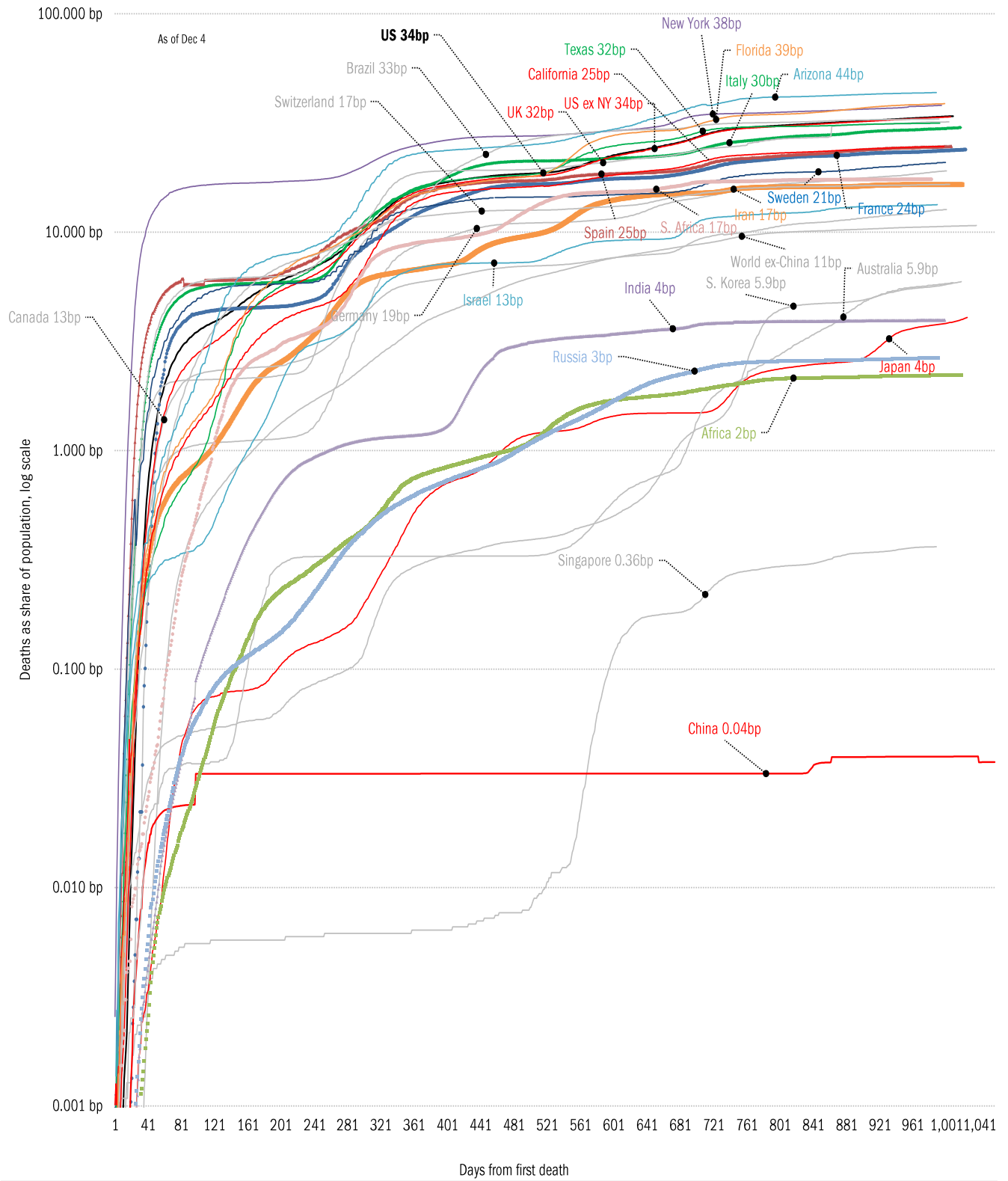
## Share of infected population from first day with 100 confirmed cases, log scale



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*

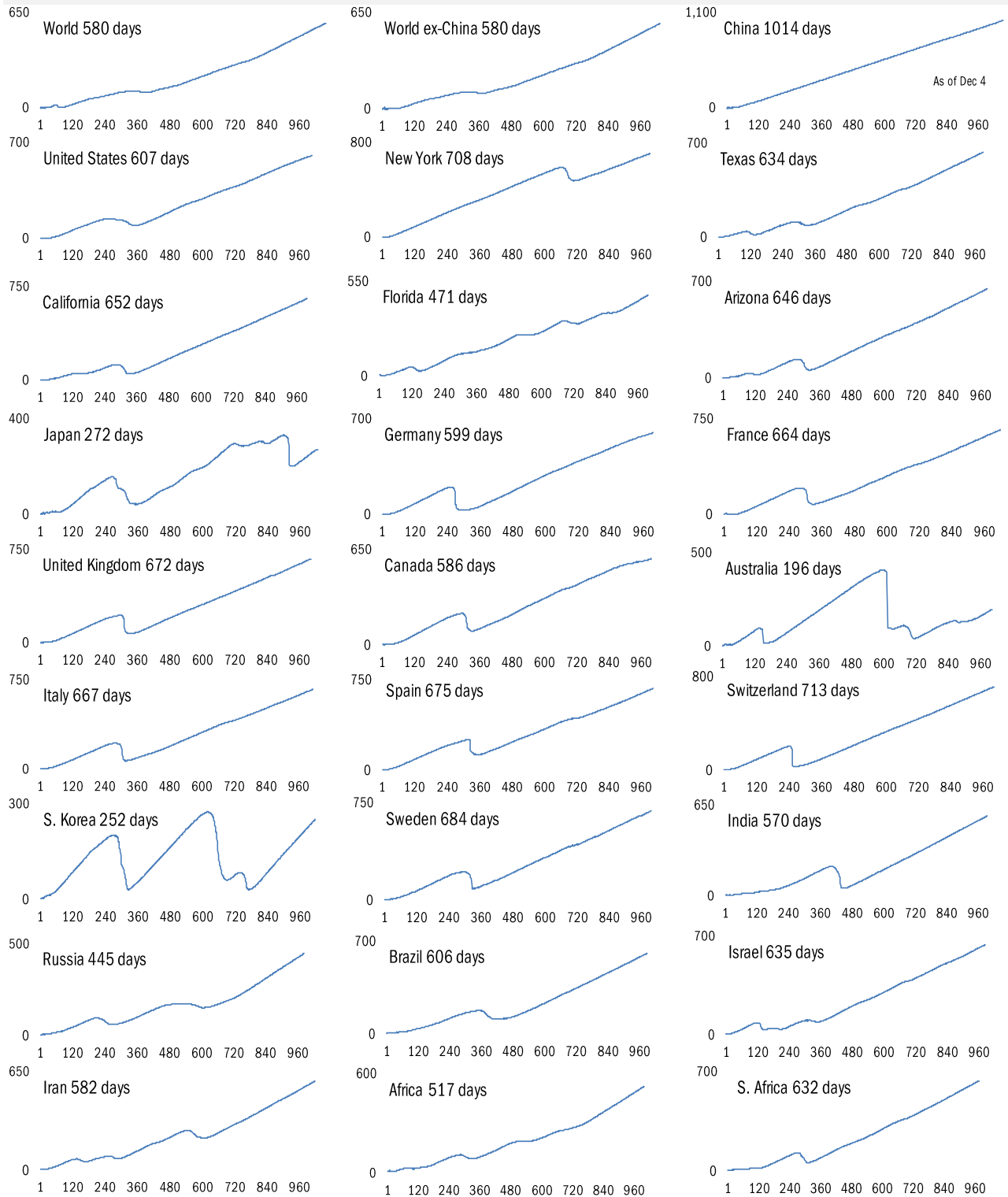


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

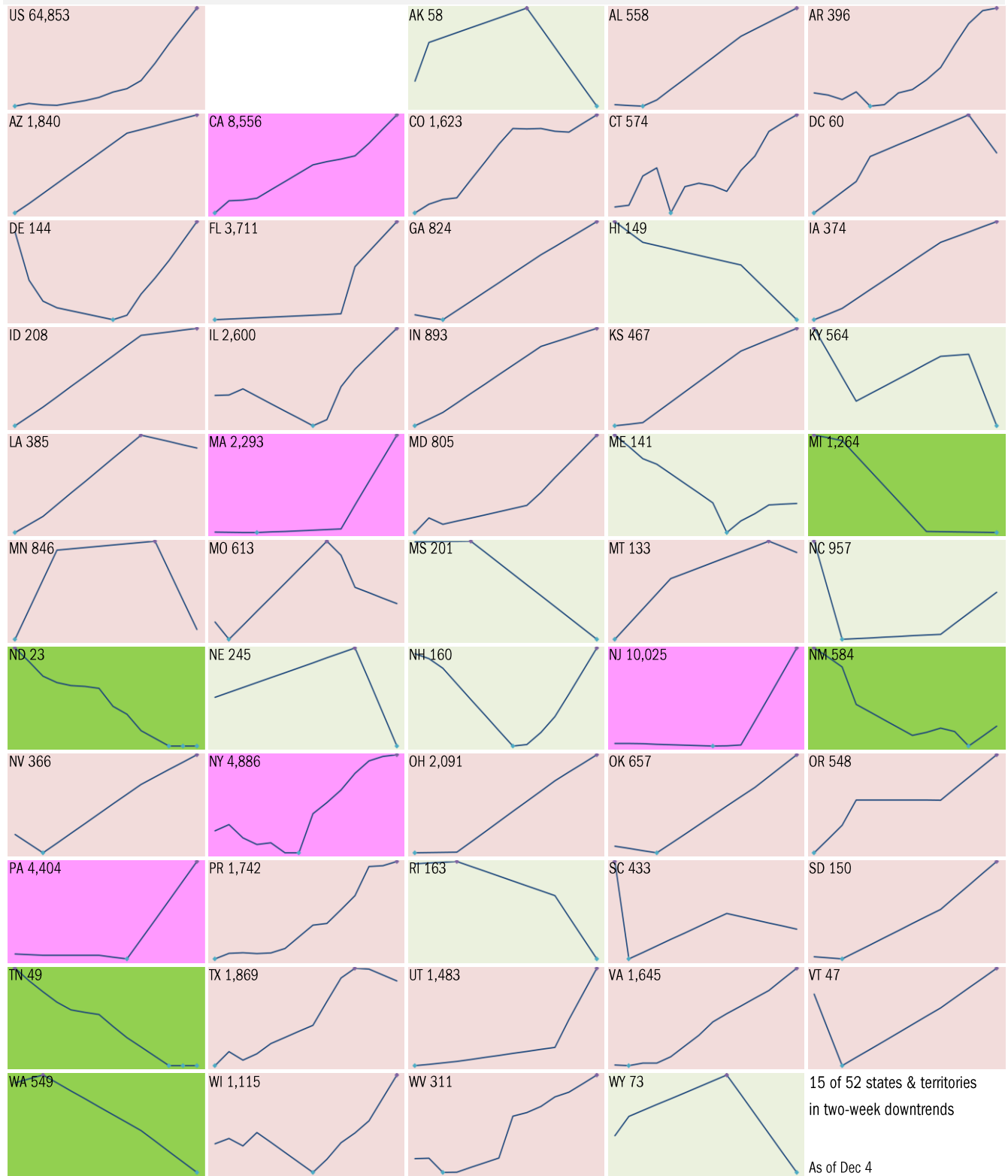


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

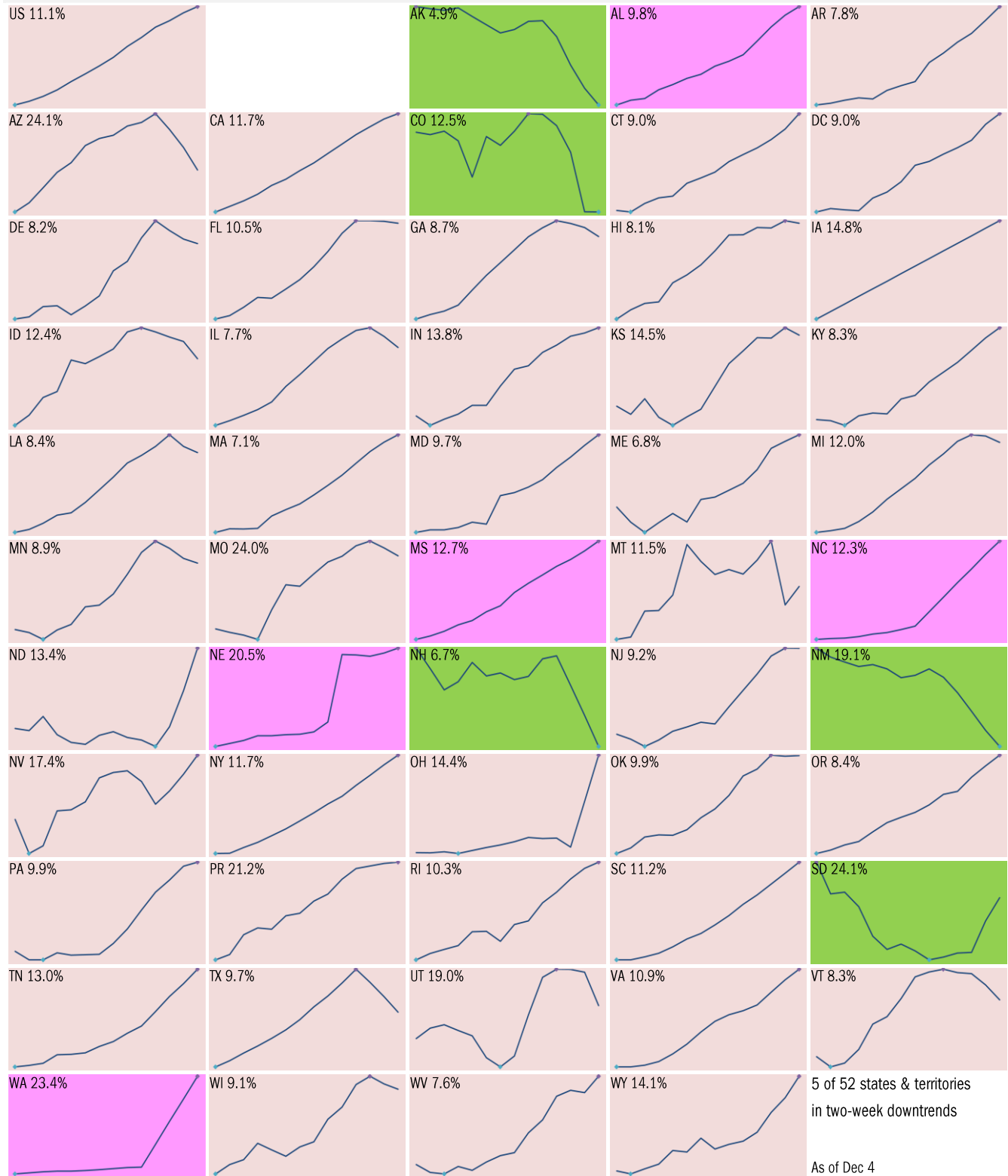


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

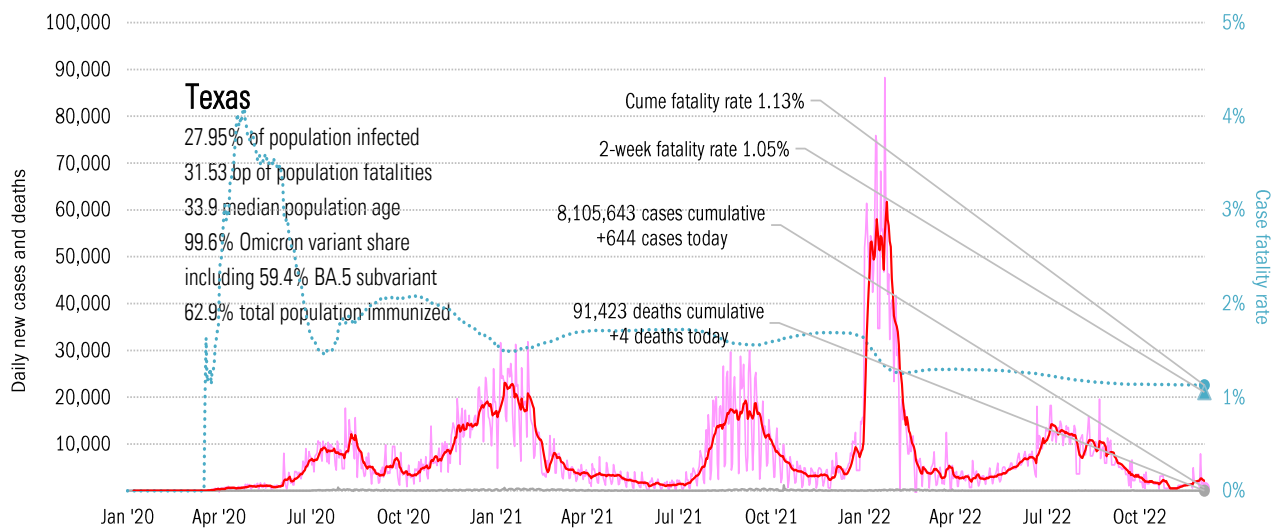
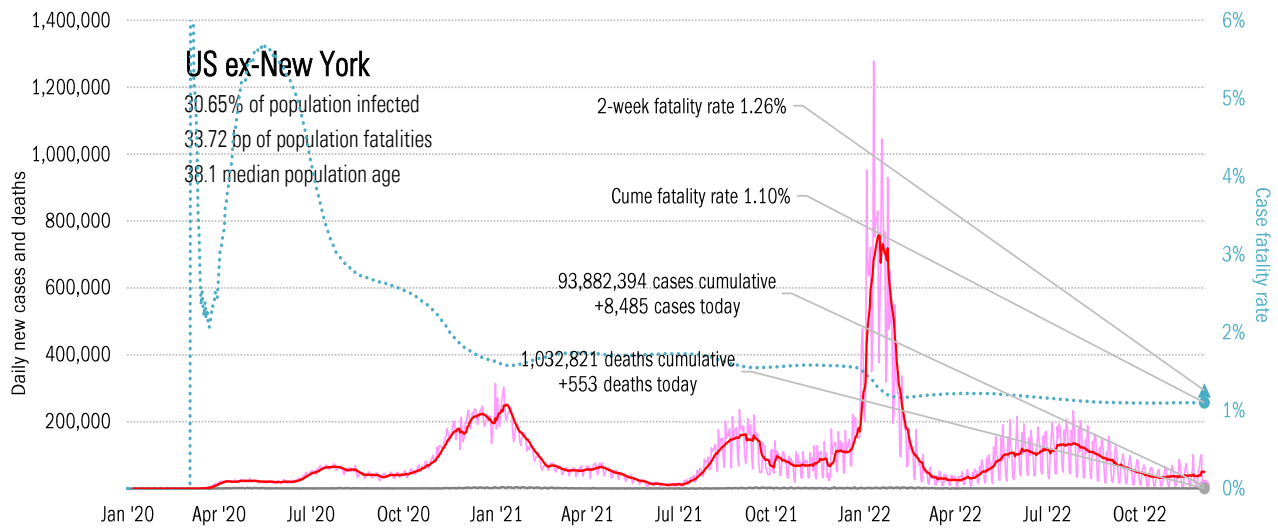
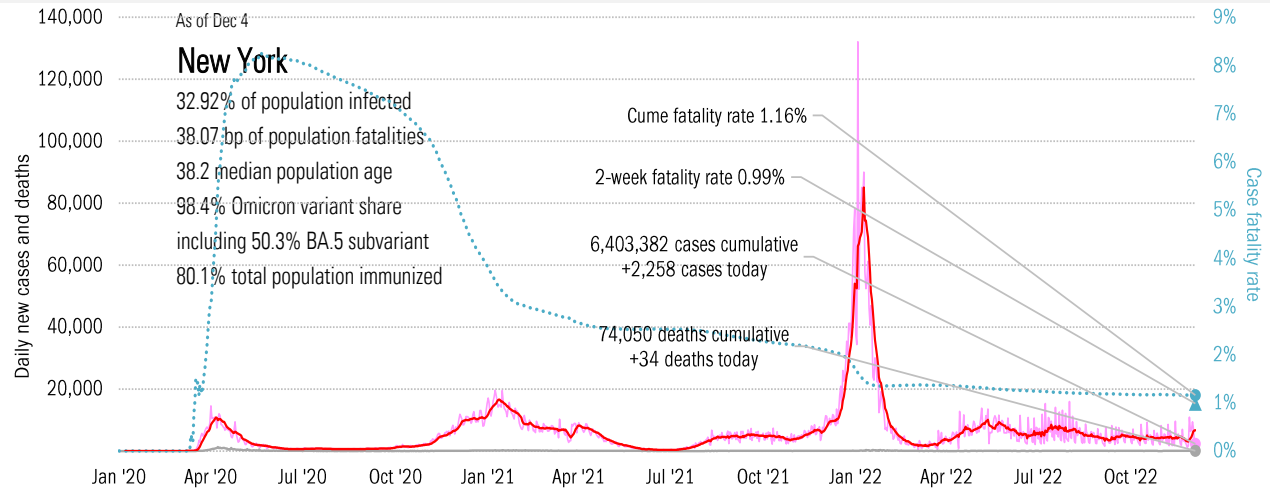
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

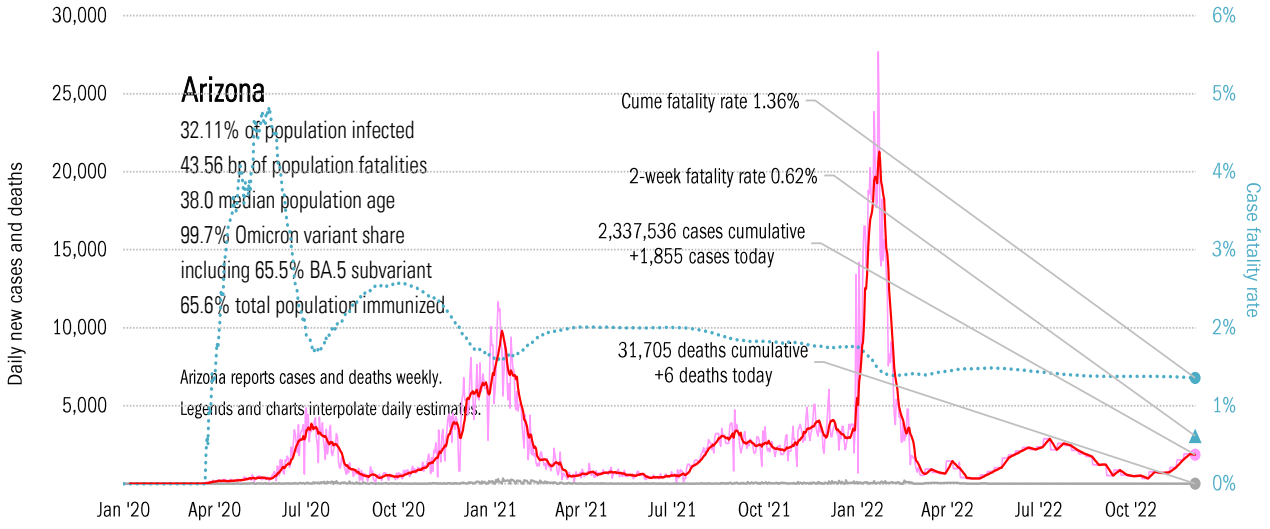
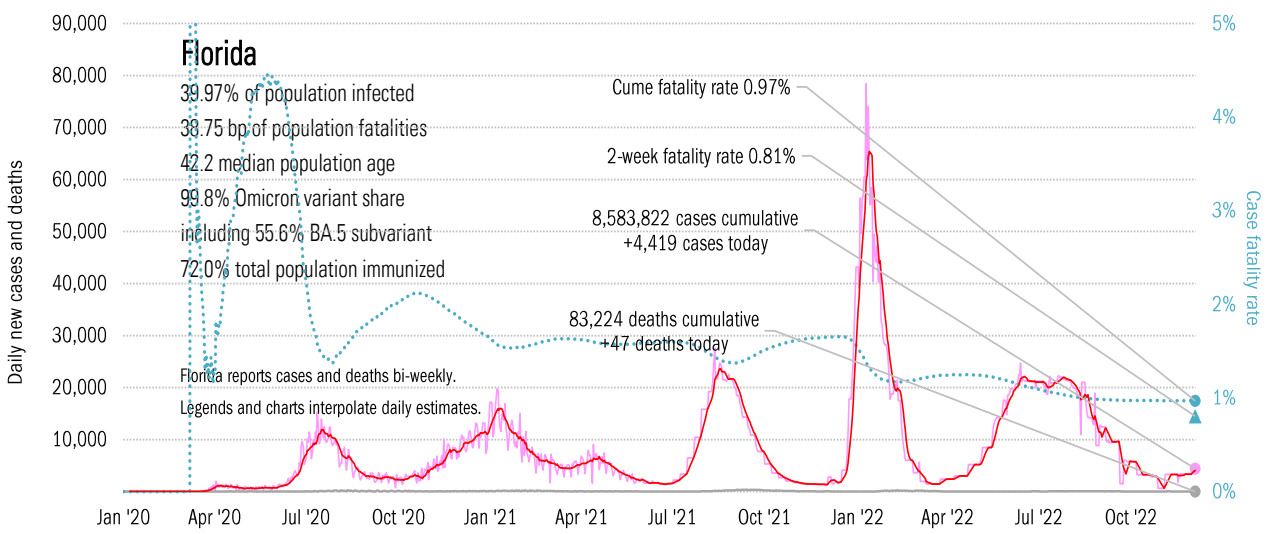
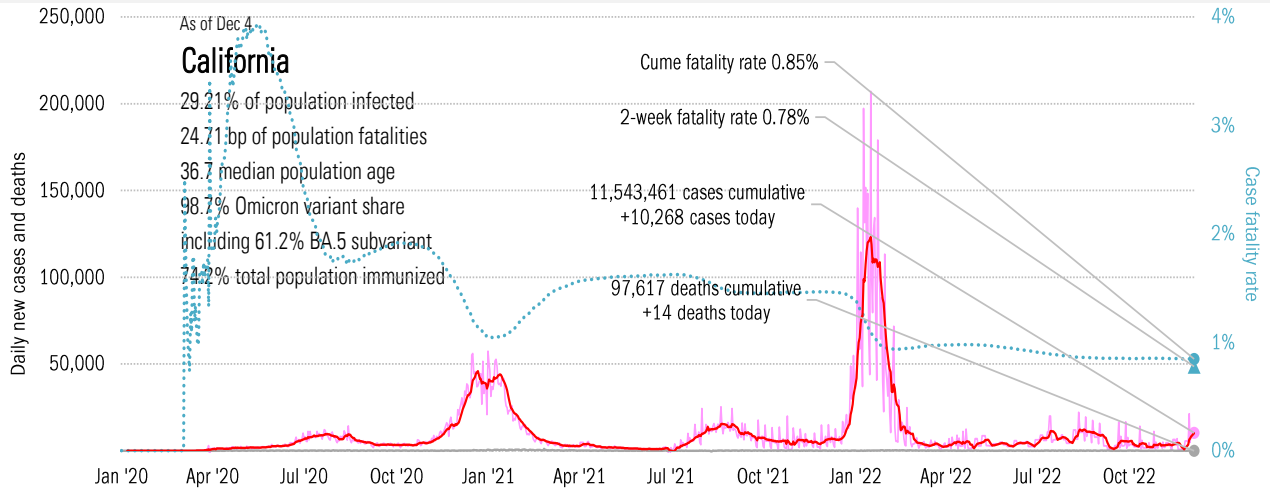
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

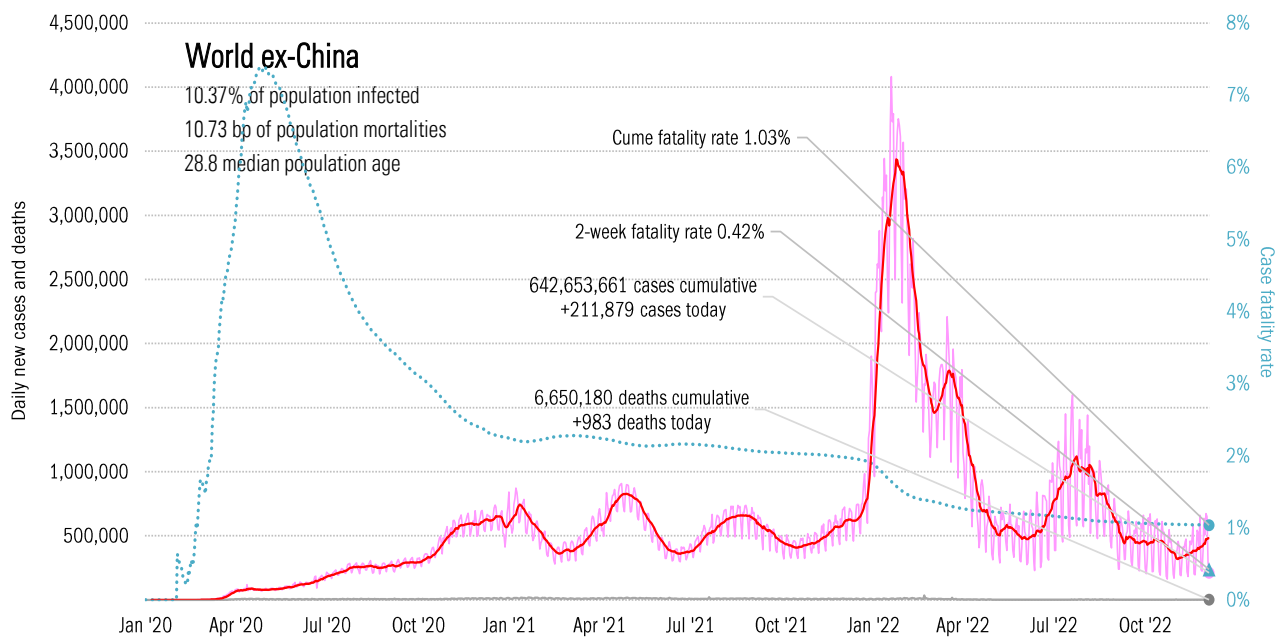
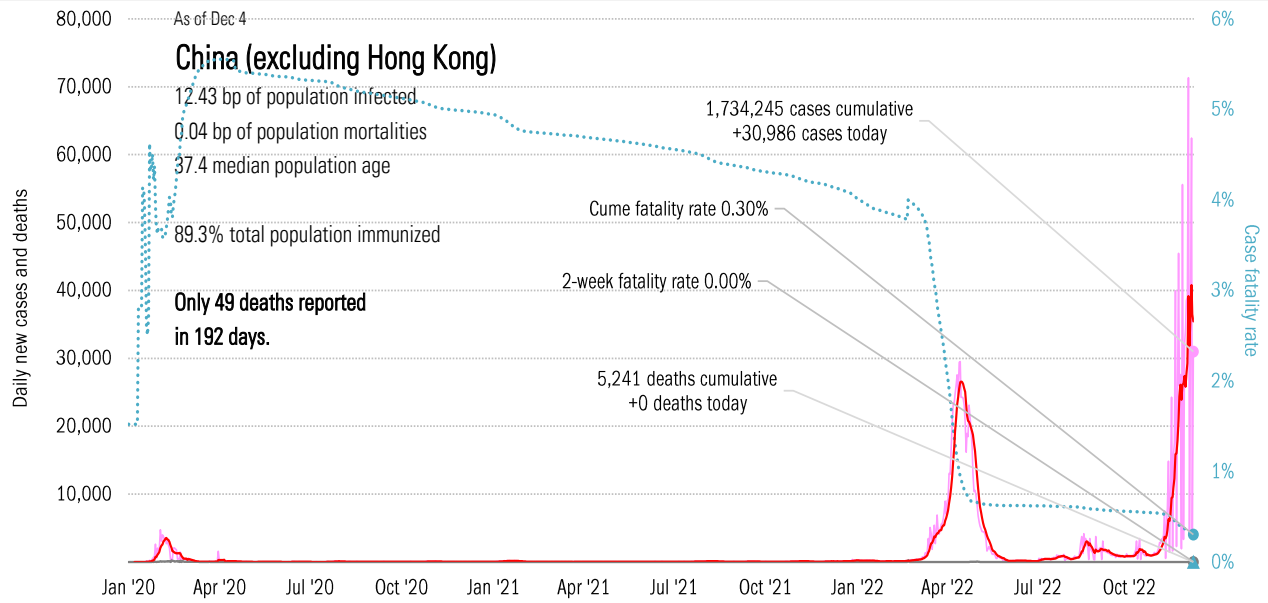
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

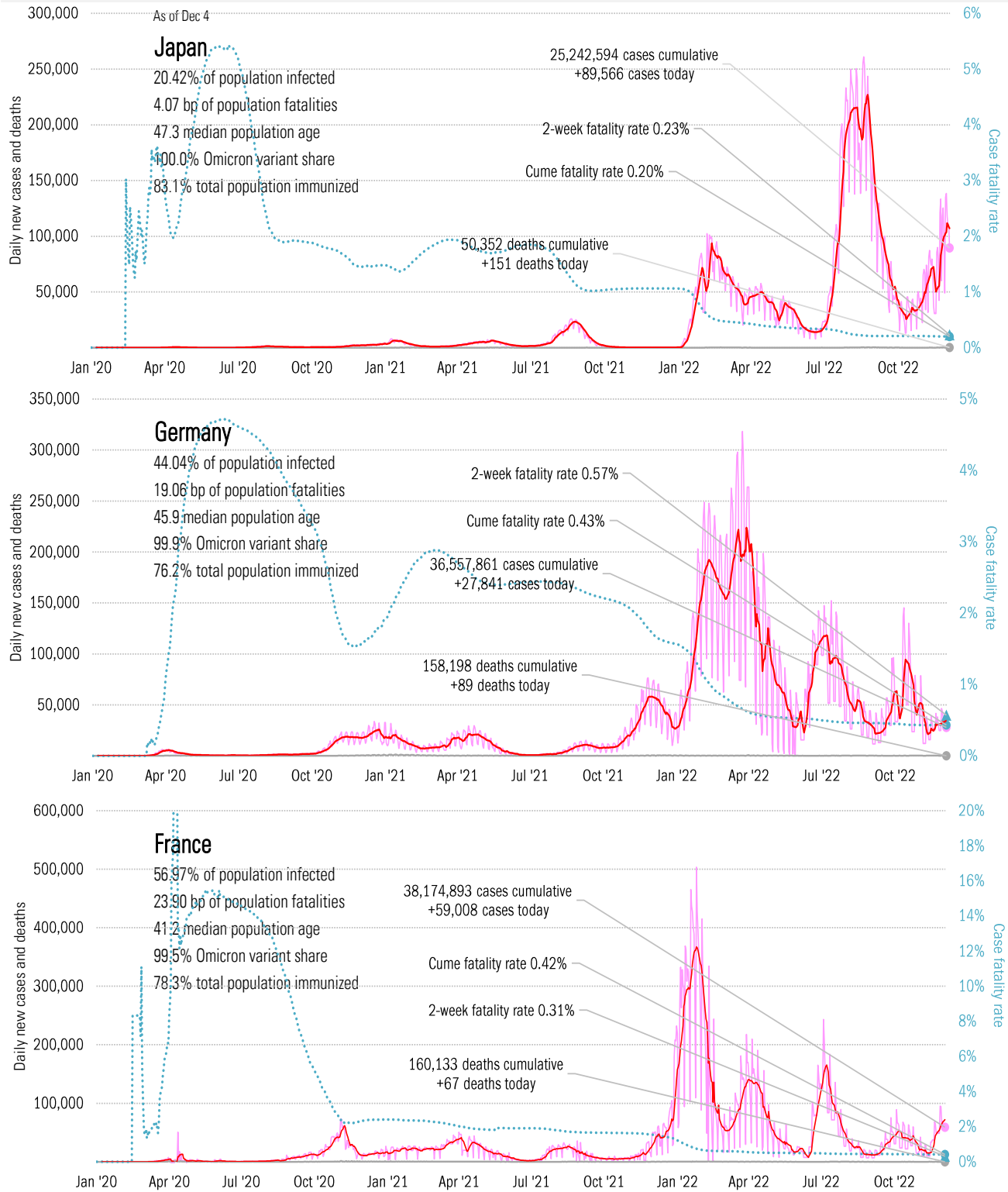
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

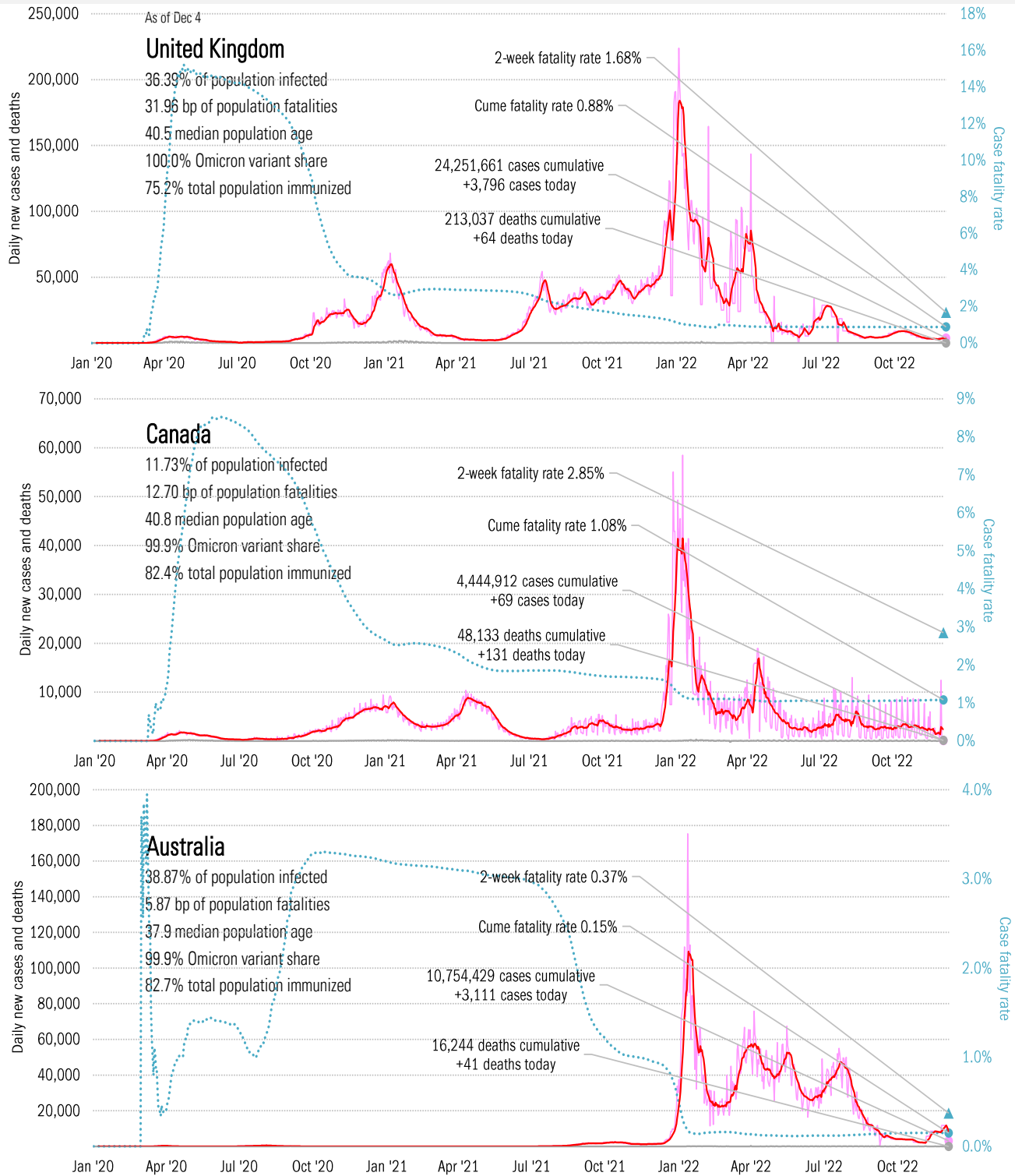


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

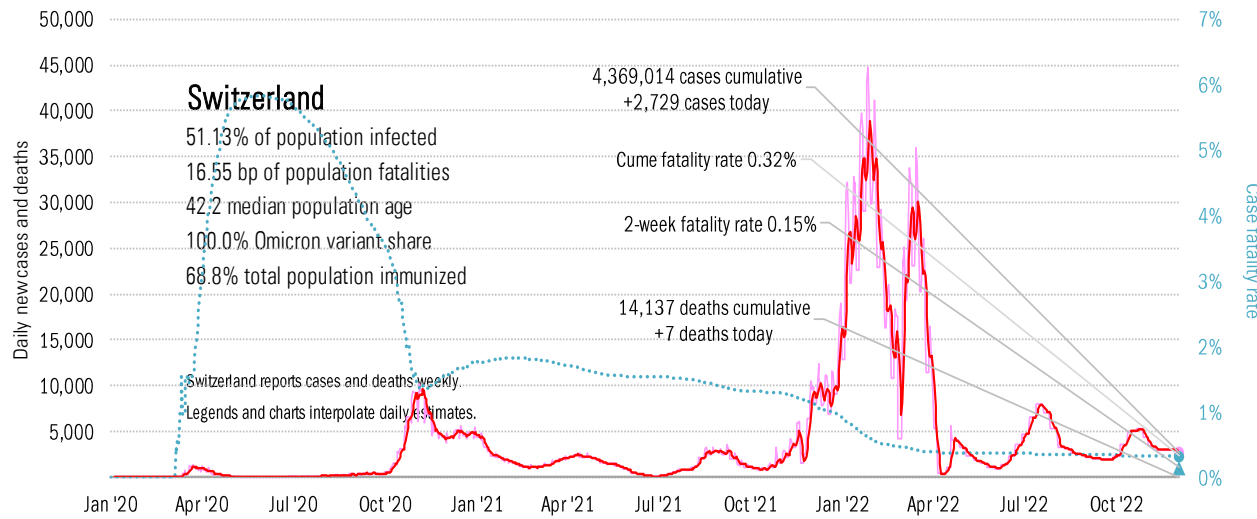
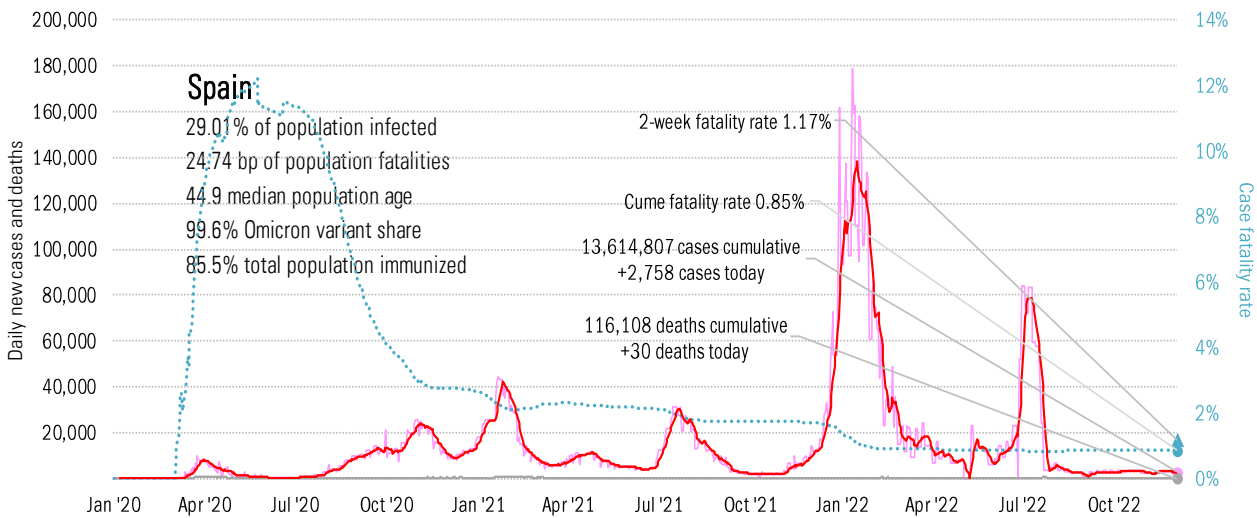
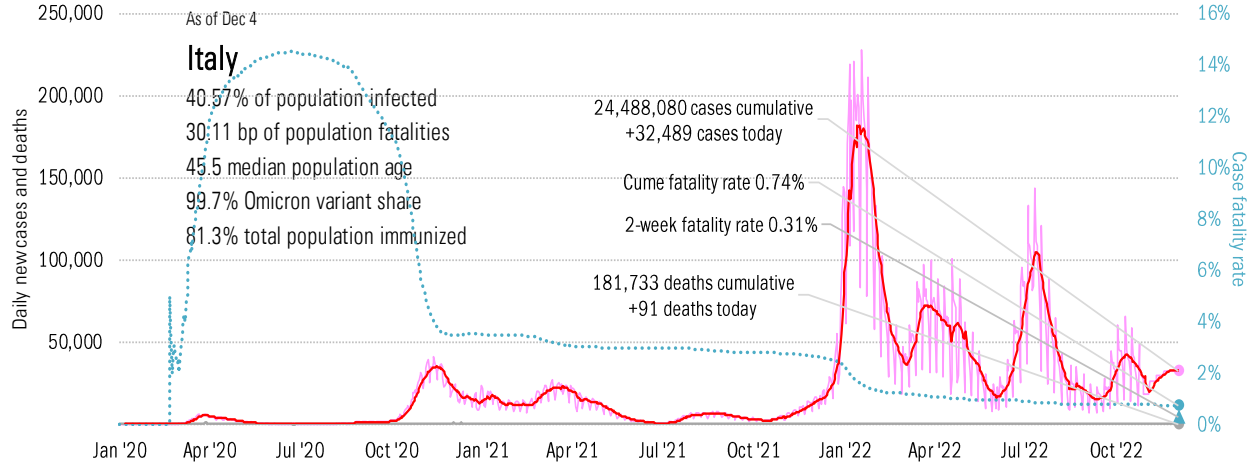
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

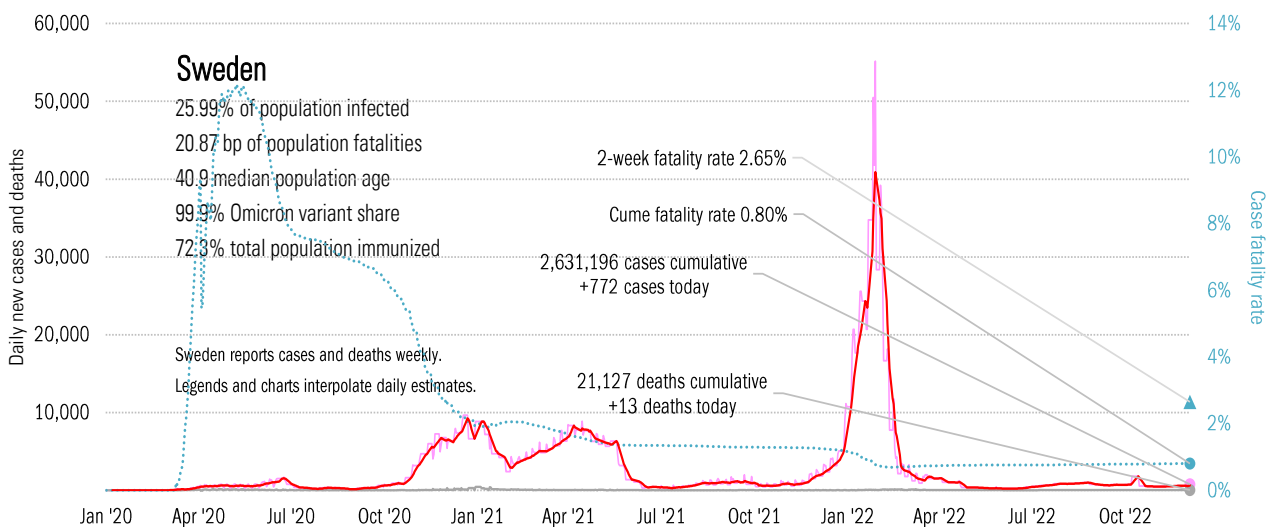
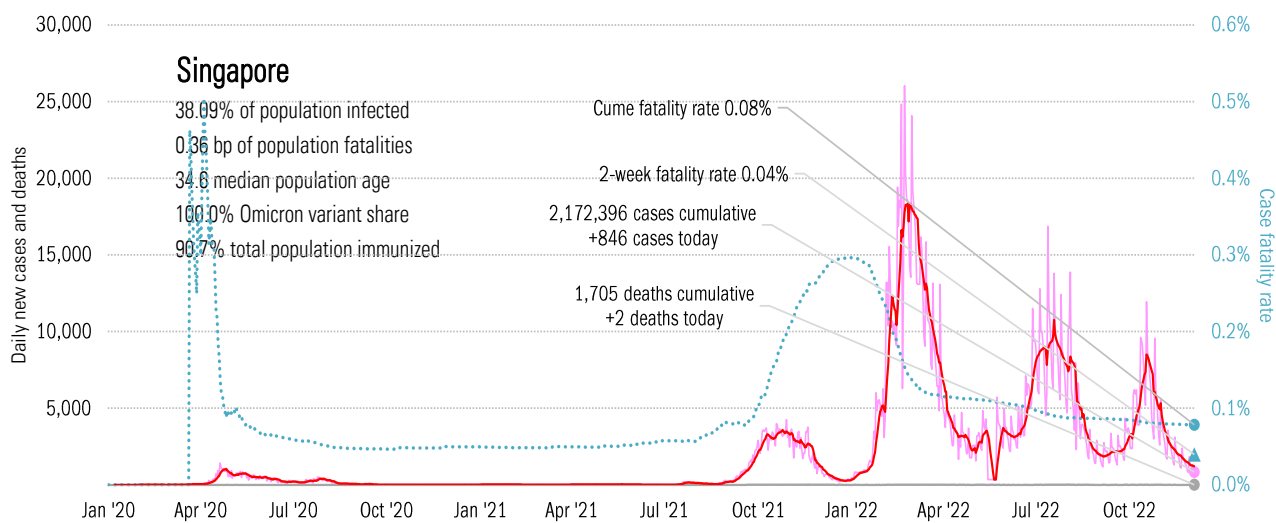
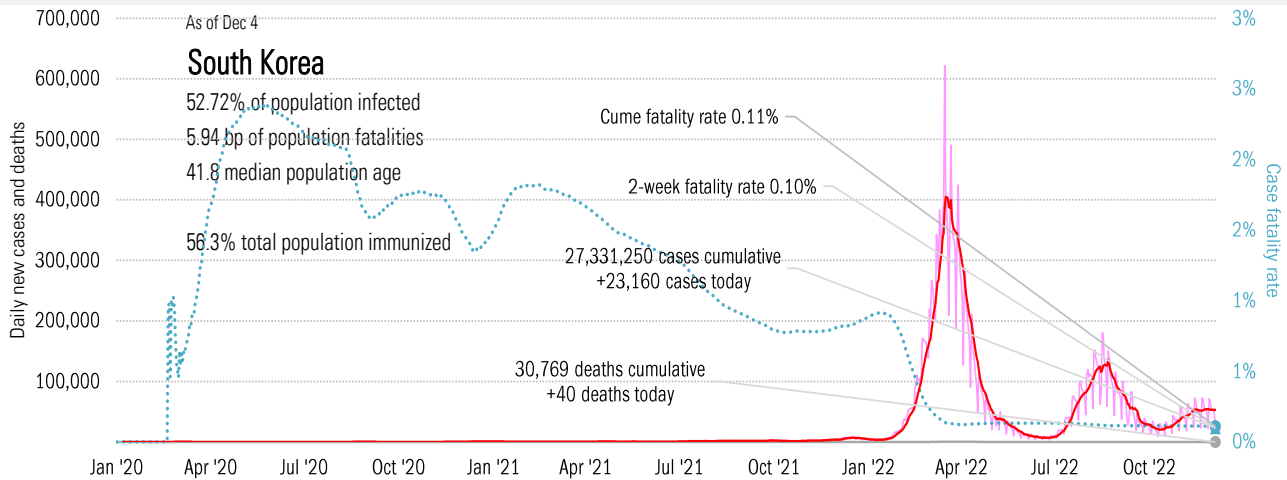
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

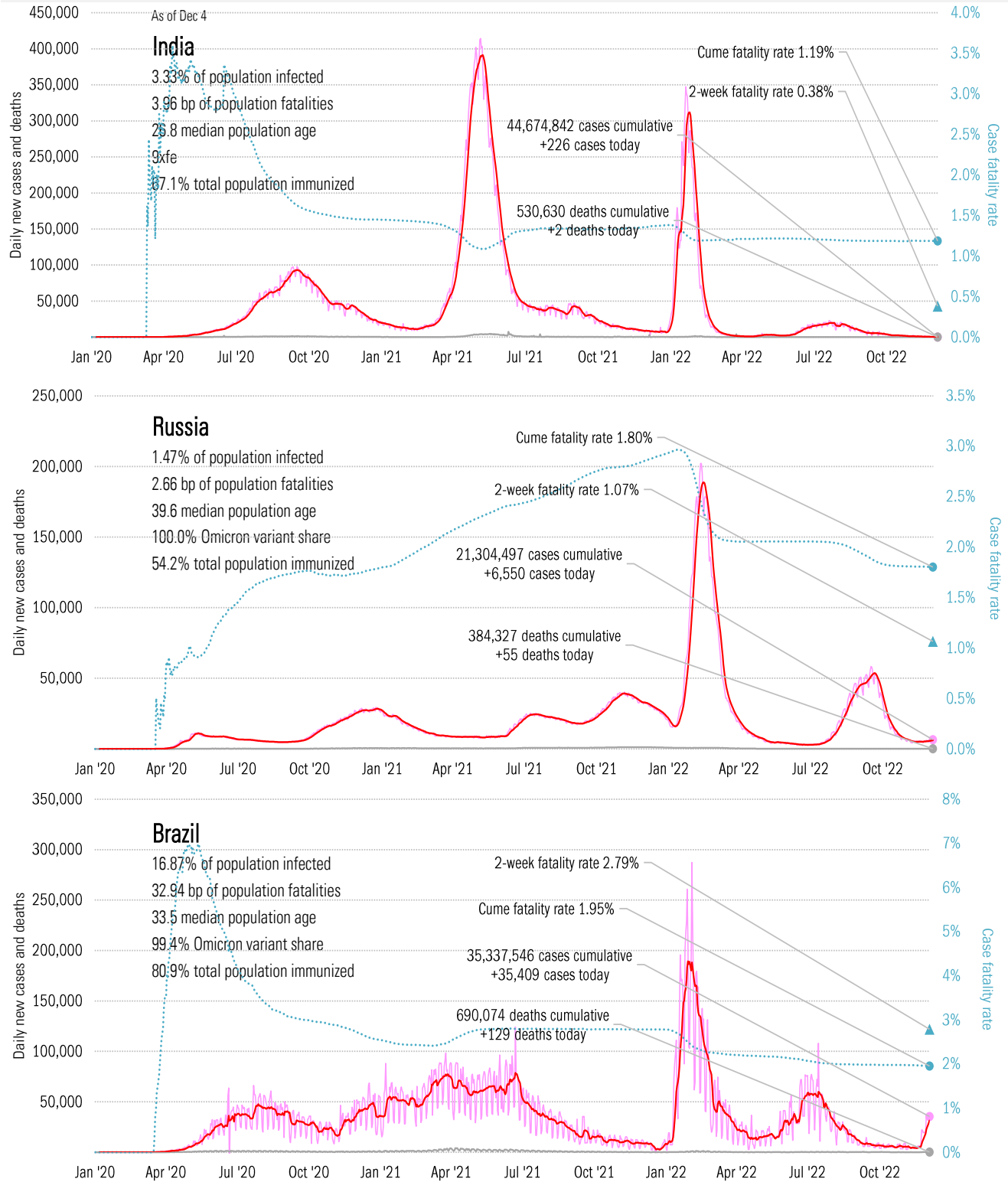
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

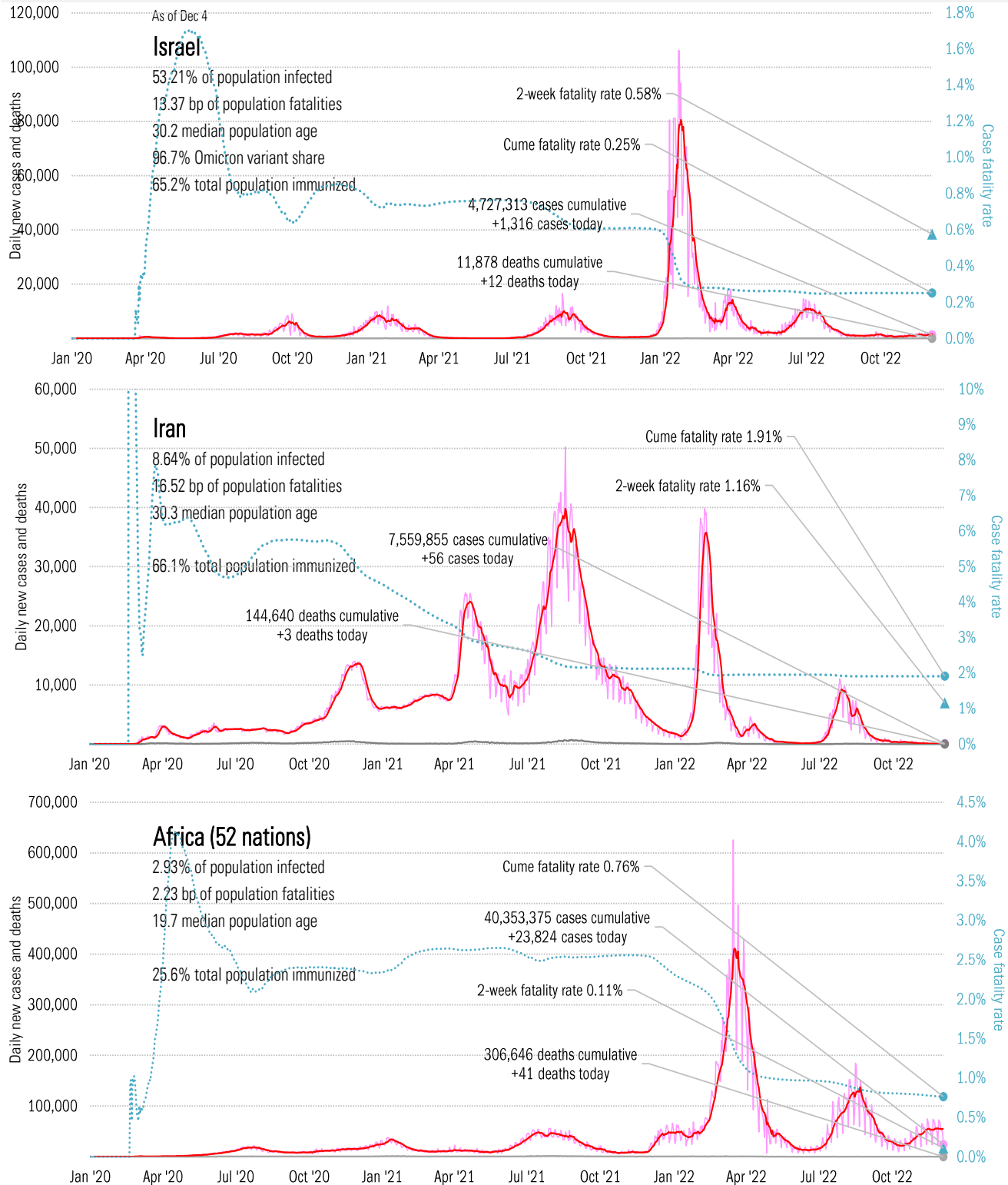
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

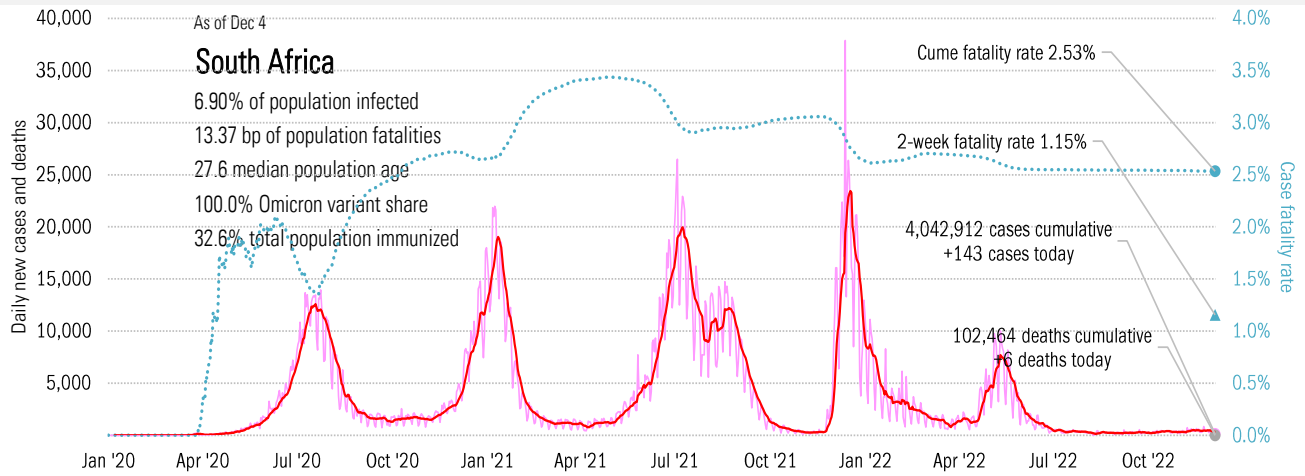
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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