

## Data Insights: Covid-2019 Monitor

Monday, December 19, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

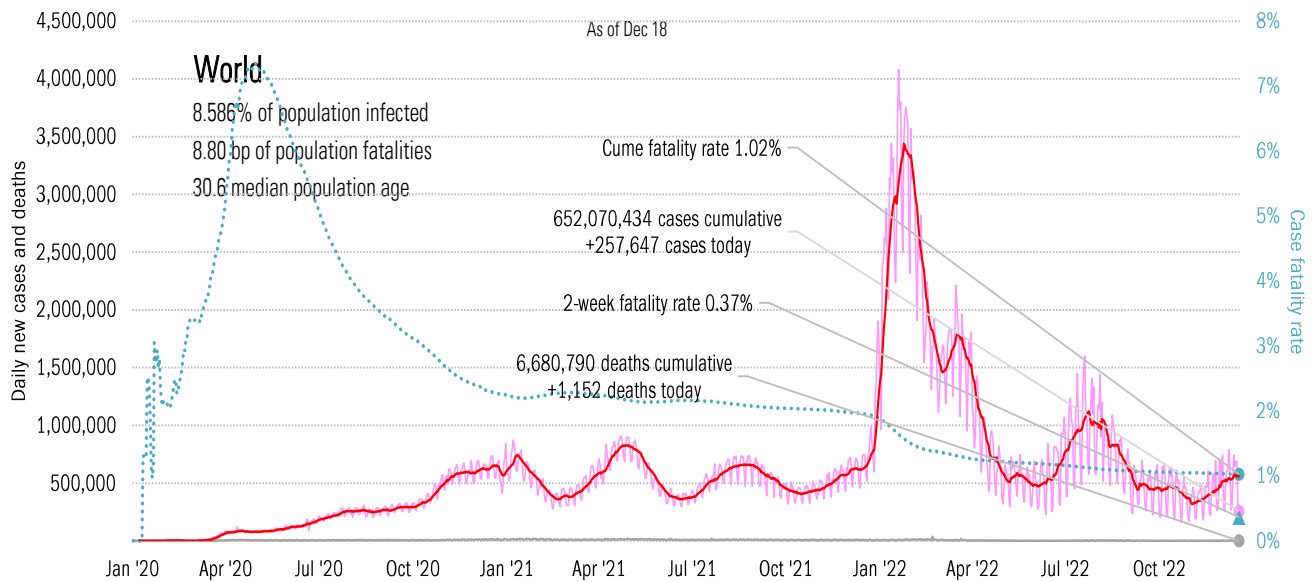
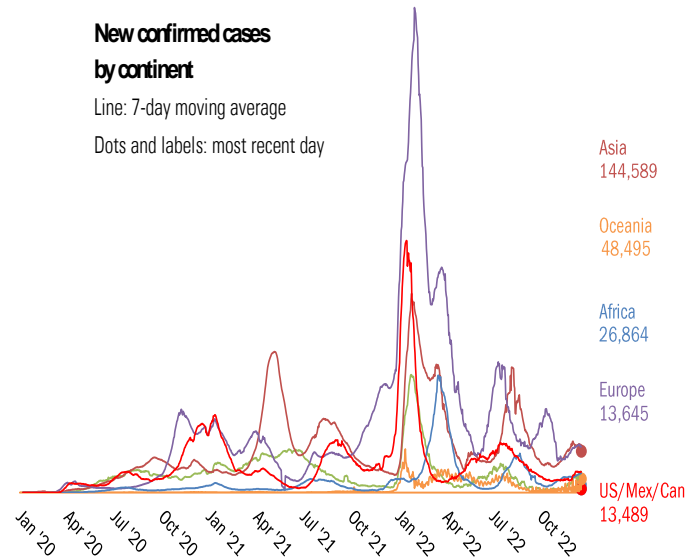
#### The worst ten countries

New cases		New Deaths	
Japan	136,237	United States	260
Brazil	59,694	Japan	232
France	56,429	Brazil	158
United States	53,674	Germany	147
New Zealand	42,699	France	131
Germany	34,308	Thailand	113
Korea, South	26,622	Italy	103
Italy	24,947	Russia	51
China	7,236	Korea, South	39
Russia	7,170	Spain	34
<b>449,017</b>		<b>1,268</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

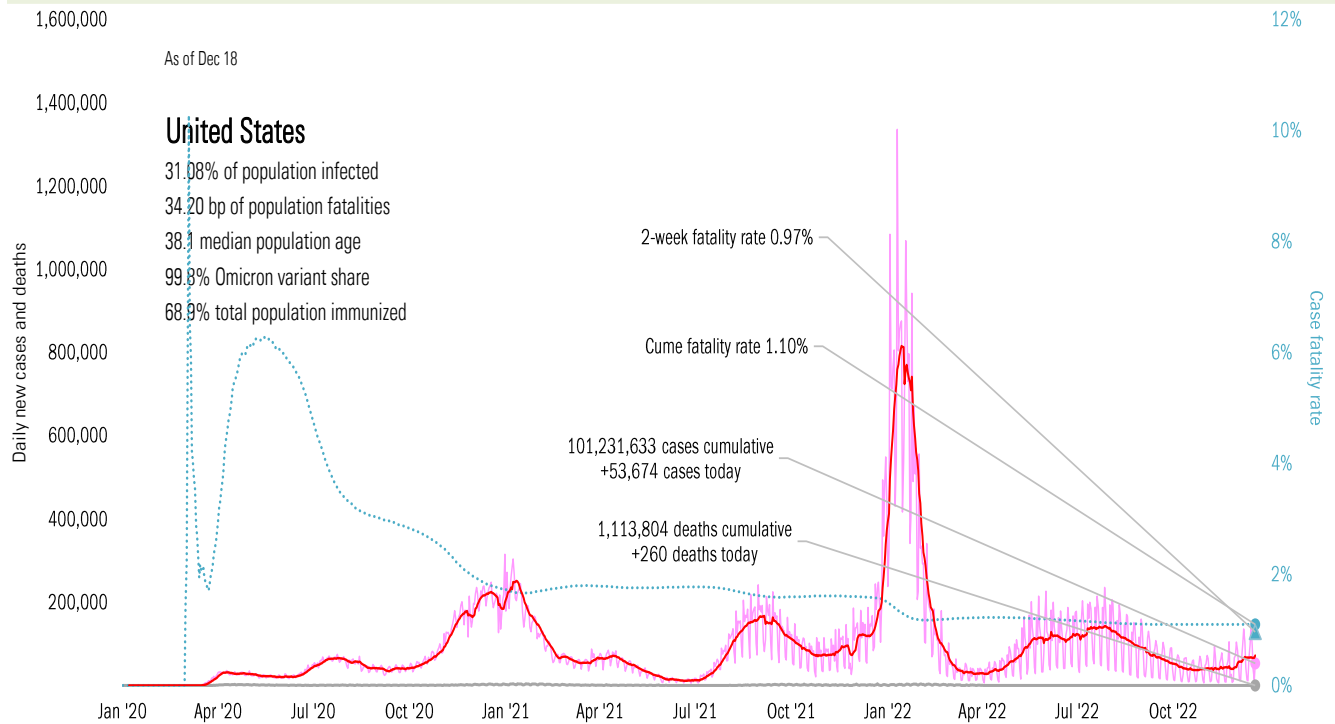
## The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	6,079		FL	58		NY	553		CA	11,691,135		CA	98,049		TX	562,759		RI	89%	TX	89%
CA	5,348		MI	26		CA	705		TX	8,165,296		TX	91,598		CA	532,900		MO	88%	NH	89%
NJ	2,876		IL	25		MI	204		FL	7,312,963		FL	83,606		FL	509,219		MA	87%	RI	86%
IL	2,573		NY	21		FL	319		NY	6,491,323		NY	74,530		NY	329,380		MN	86%	DC	85%
CH	2,388		CA	20		CH	287		IL	3,930,135		PA	48,662		CH	232,431		WA	86%	NC	85%
NY	2,326		PA	19		GA	177		PA	3,388,571		GA	41,244		GA	232,342		AK	85%	NM	85%
VA	2,202		MA	16		IL	288		NC	3,300,138		CH	40,747		PA	217,811		MD	84%	VT	85%
NC	1,884		AZ	15		NJ	234		CH	3,276,630		MI	40,508		IL	200,965		NH	84%	AK	84%
PA	1,865		TX	15		TX	408		MI	2,963,404		IL	40,502		MI	173,147		MI	83%	CK	83%
MI	1,863		GA	12		MA	149		GA	2,963,232		NJ	35,323		NJ	150,506		CR	83%	MO	83%
<b>29,405</b>			<b>227</b>			<b>3,324</b>			<b>53,482,827</b>			<b>594,769</b>			<b>3,141,460</b>						
All states	53,674			260			5,659		All states	101,231,633			1,113,804			5,704,458		All states	70%		67%
Top ten	55%			87%			59%		Top ten	54%			55%			55%		Median	78%		77%

Some states not reporting

## Five most improved US states

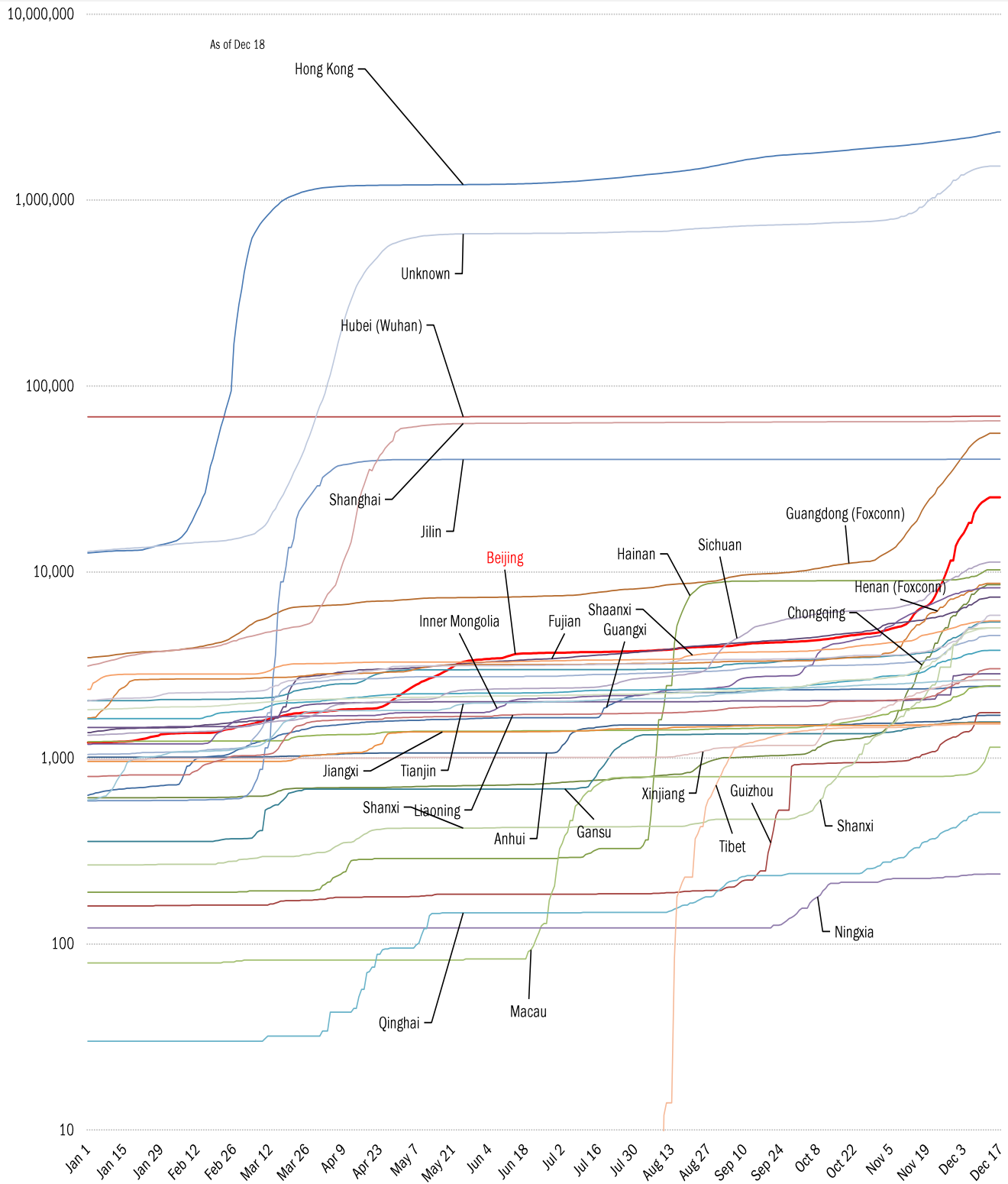
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
CT	-592	VA	-12	LA	-41
NY	-437	WI	-6	TN	-35
AR	-249	AR	-5	NV	-25
AK	0	WV	-4	TX	-21
AL	0	AK	0	AL	-14



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"*

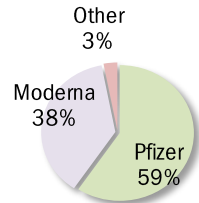


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial
Doses	676,875,401		+0.181 million		US	68.9%	80.6%
			Of which boosters: +0.156 million		UK	75.2%	79.7%
	One dose	% Pop	Immune	% pop	New immune today	France	78.3%
Total population	276,286,091	83%	235,628,086	71%	+0.017 million	Spain	85.5%
Age 12 to 17	18,389,791	73%	15,747,323	62%	+0.001 million	Germany	76.2%
Age 18 to 64	183,774,685	90%	156,296,409	77%	+0.009 million	Italy	81.3%
Age 65 and over	60,871,211	100%	53,326,820	97%	+0.003 million	Australia	82.7%
						Israel	65.2%
						Canada	82.5%
						Japan	83.1%
						Africa	26.2%
						India	67.1%
						Brazil	80.9%
						China	89.4%



AK	72.7%
	64.9%

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

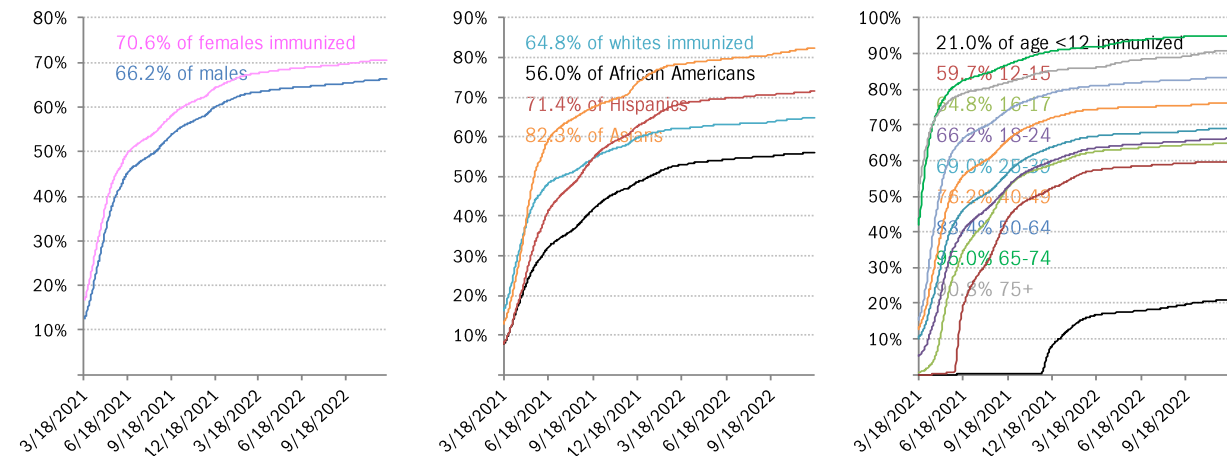
Best
Middle
Worst

"Immunity" = two doses

Global data differs due to sources, timing

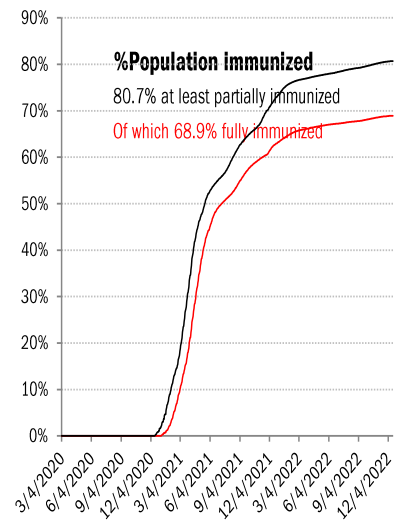
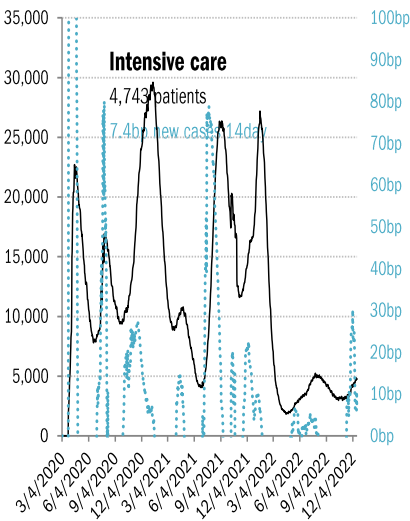
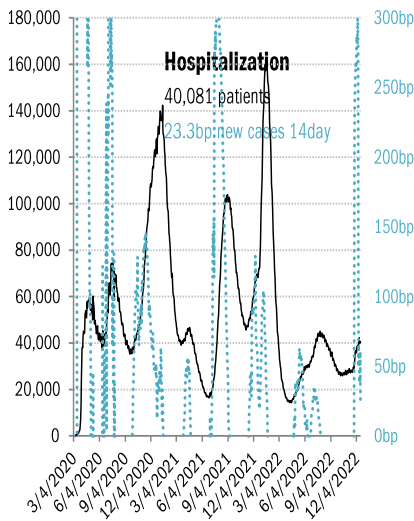
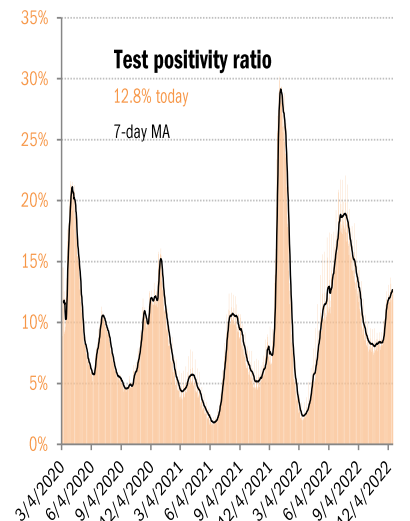
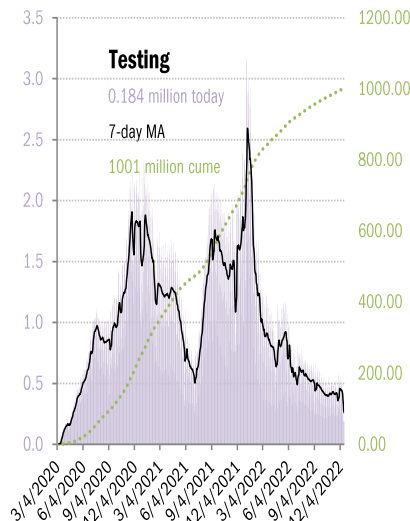
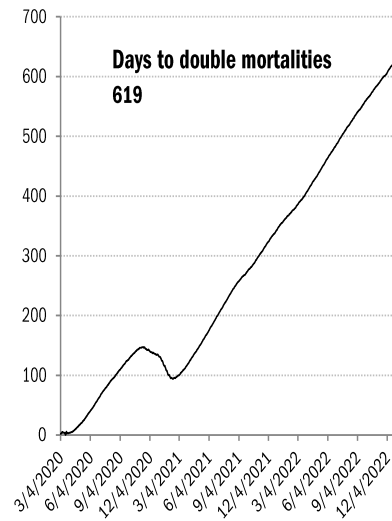
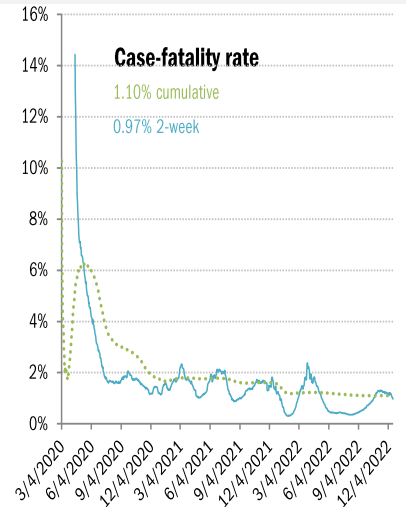
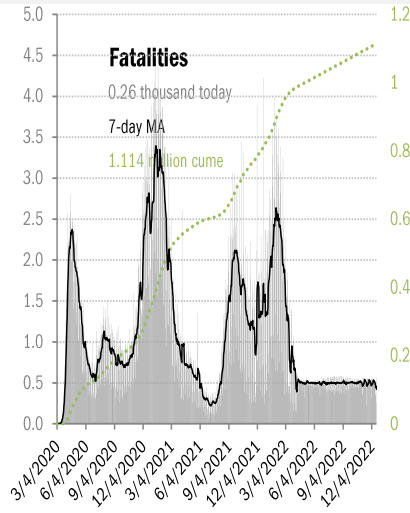
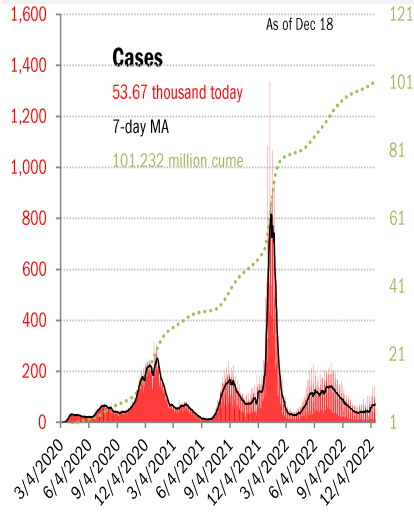
					WI						ME
					74.8%						95.0%
					67.9%						82.9%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH	
84.7%	63.6%	68.0%	69.0%	78.4%	78.8%	69.2%		93.9%	95.0%	87.3%	
75.6%	56.2%	58.9%	58.3%	71.8%	71.0%	62.1%		80.3%	85.1%	71.4%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA		
81.1%	77.1%	60.6%	83.3%	70.3%	64.1%	65.4%	89.9%	94.1%	95.0%		
72.0%	63.4%	52.8%	65.9%	64.1%	57.5%	60.2%	72.8%	78.7%	83.7%		
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI	
84.2%	74.9%	83.3%	73.0%	69.0%	68.5%	67.2%	90.3%	91.1%	95.0%	95.0%	
74.3%	66.4%	73.2%	65.9%	58.7%	59.3%	59.5%	76.2%	79.2%	82.6%	87.2%	
	AZ	NM	KS	AR	TN	NC	SC	DC	DE		
	76.9%	93.6%	75.8%	69.5%	64.2%	91.3%	70.6%	95.0%	87.6%		
	65.7%	74.7%	64.9%	56.6%	56.1%	66.6%	59.6%	85.1%	72.9%		
			OK	LA	MS	AL	GA				
			74.2%	62.6%	61.4%	64.8%	68.0%				
			60.1%	54.9%	53.5%	53.0%	57.0%				
			TX					FL		PR	
			75.9%					82.0%		95.0%	
			63.0%					69.1%		86.7%	

## The demographics of US vaccination



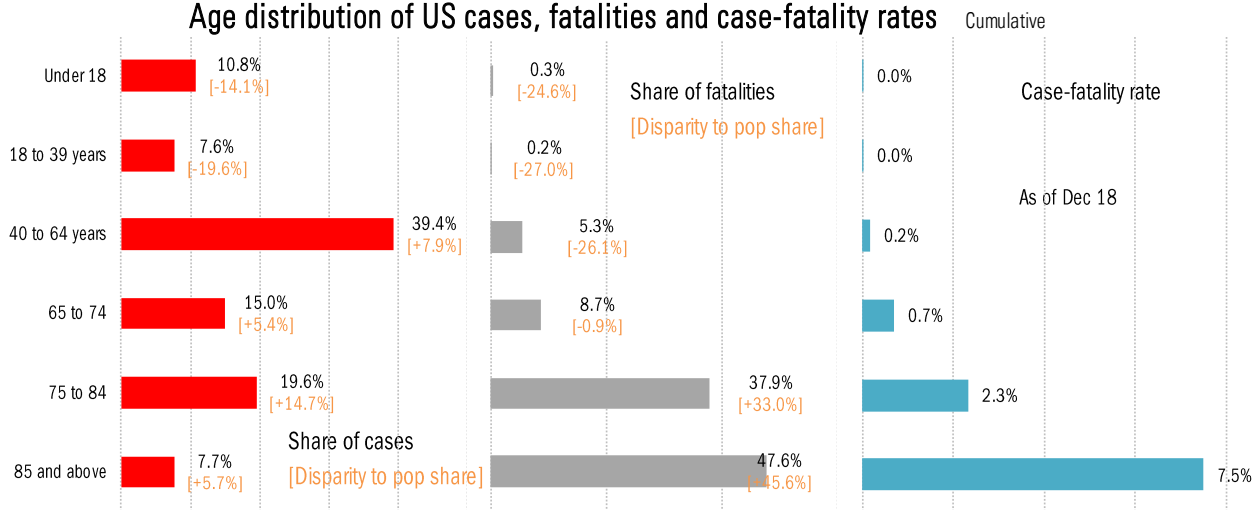
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

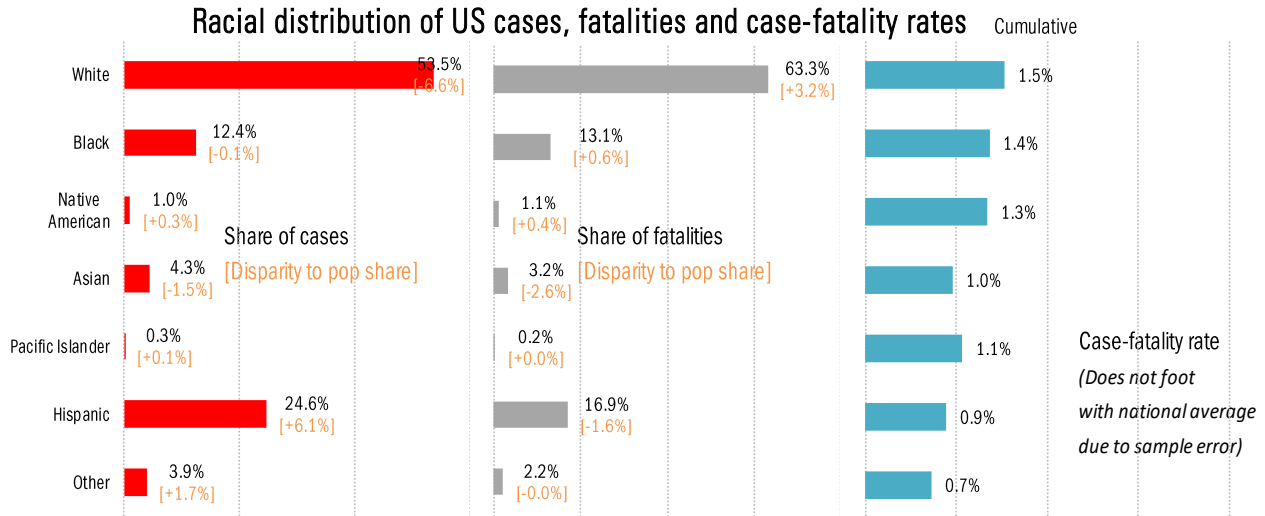


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

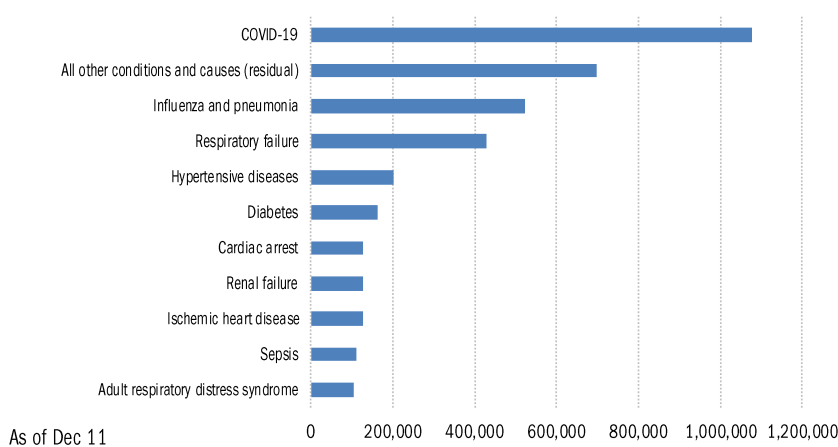


Racial distribution of US cases, fatalities and case-fatality rates



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

### [What Comes Next for the Most Empty Downtown in America](#)

Conor Dougherty and Emma Goldberg  
*New York Times*  
December 17, 2022

### [The Covid 'Emergency' Is All About Medicaid](#)

Markus Bjoerkheim and Liam Sigaud  
*Wall Street Journal*  
December 18, 2022

### [UPDATE on the Grant Wahl story: One week after Wahl's sudden death, disturbing new evidence that mRNA shots can cause aneurysms in healthy people](#)

Alex Berenson  
*Unreported Truths*  
December 18, 2022

### [Multiple MIS-C Readmissions and Giant Coronary Aneurysm After COVID-19 Illness and Vaccination: A Case Report](#)

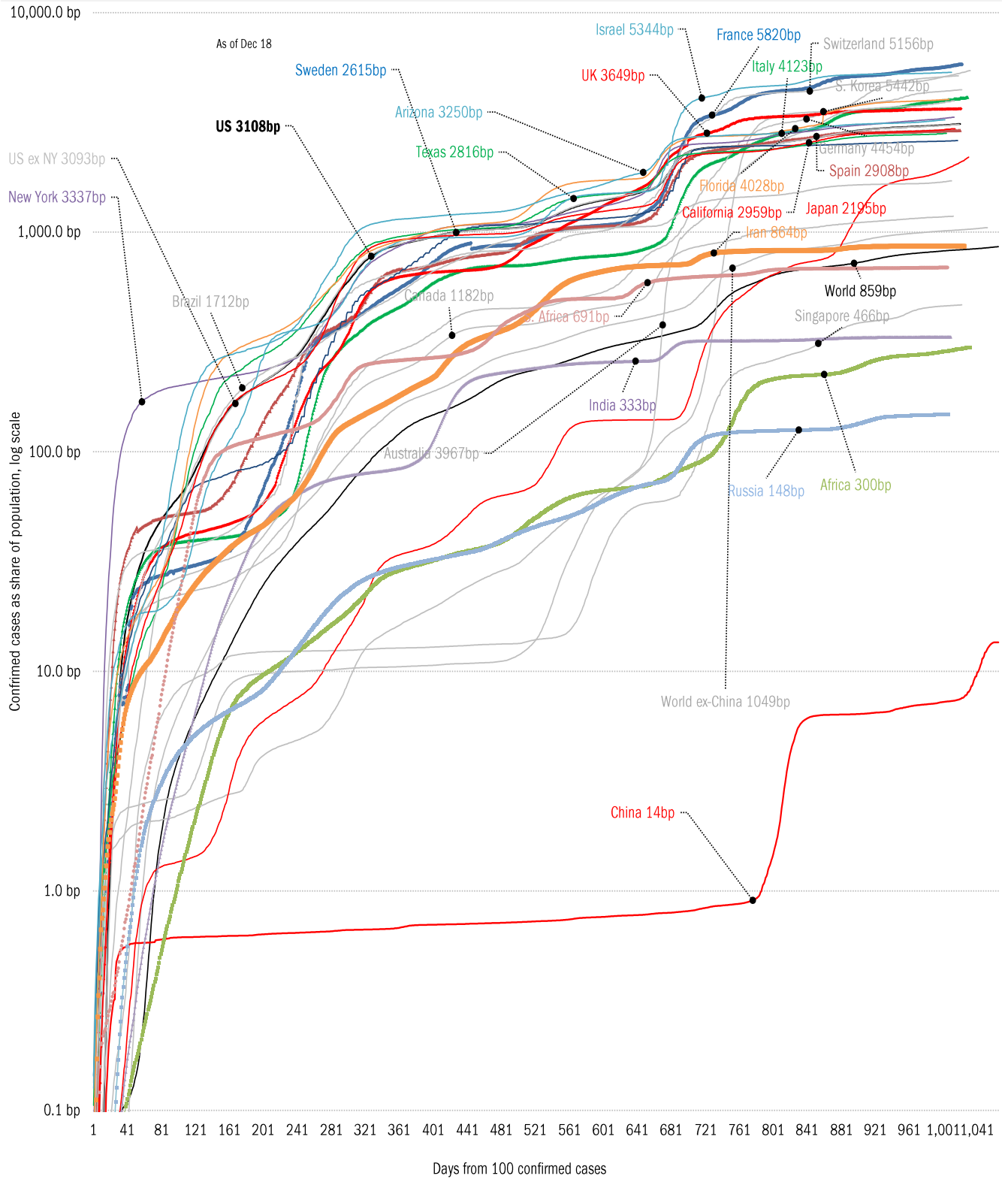
Khadija Haq et al.  
*The Pediatric Infectious Disease Journal*  
December 16, 2022

## Meme of the Day



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

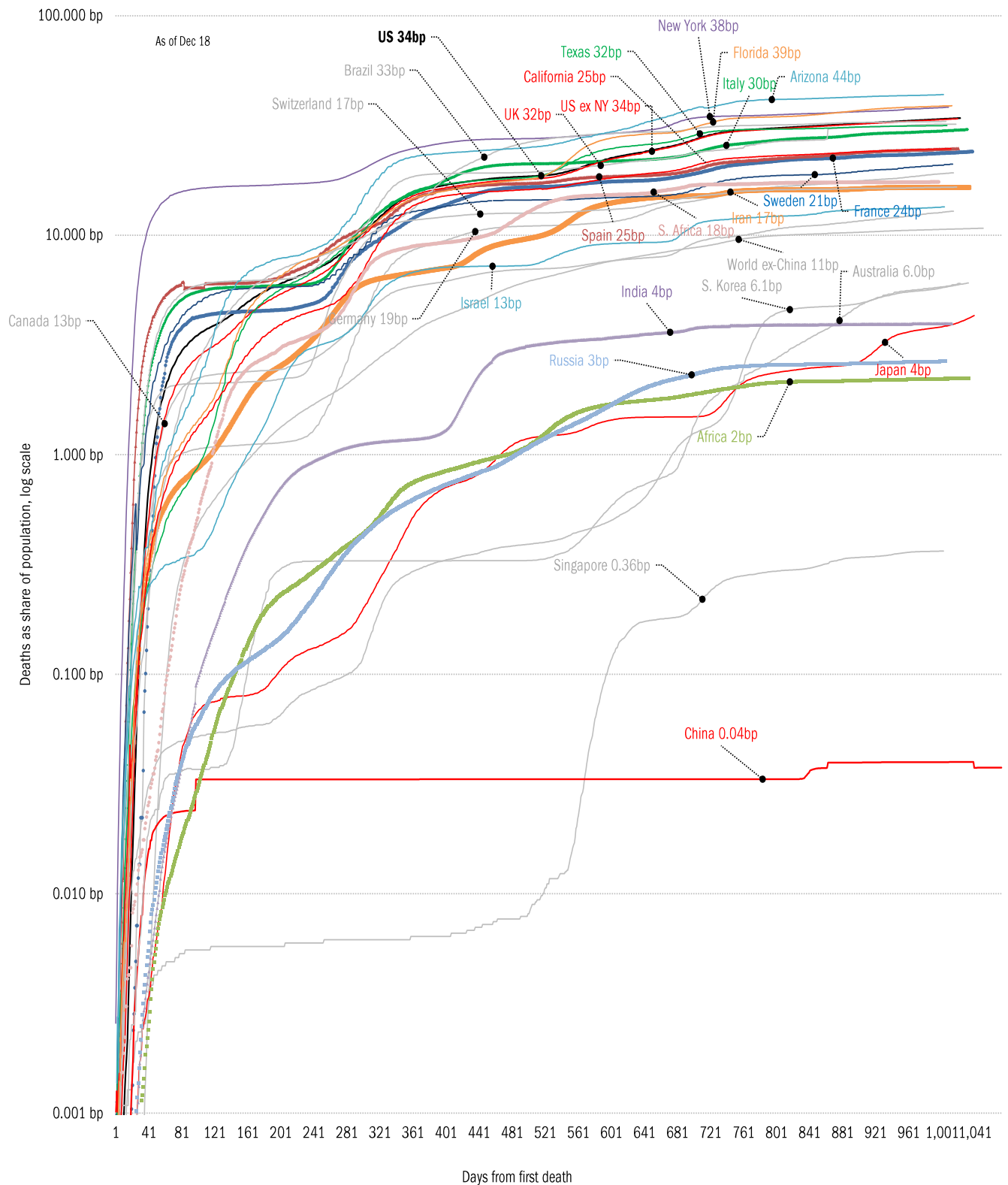
The global coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*

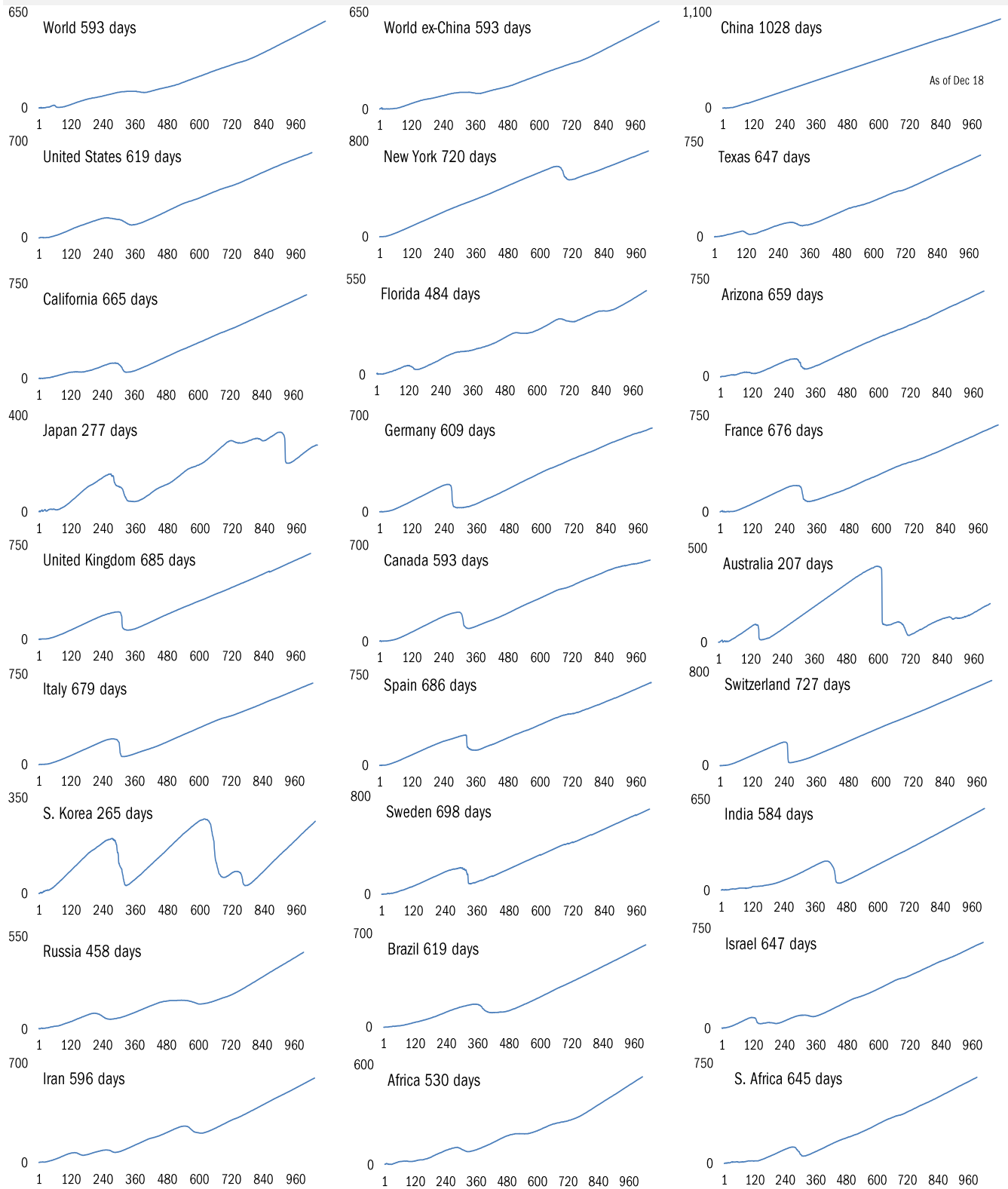


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

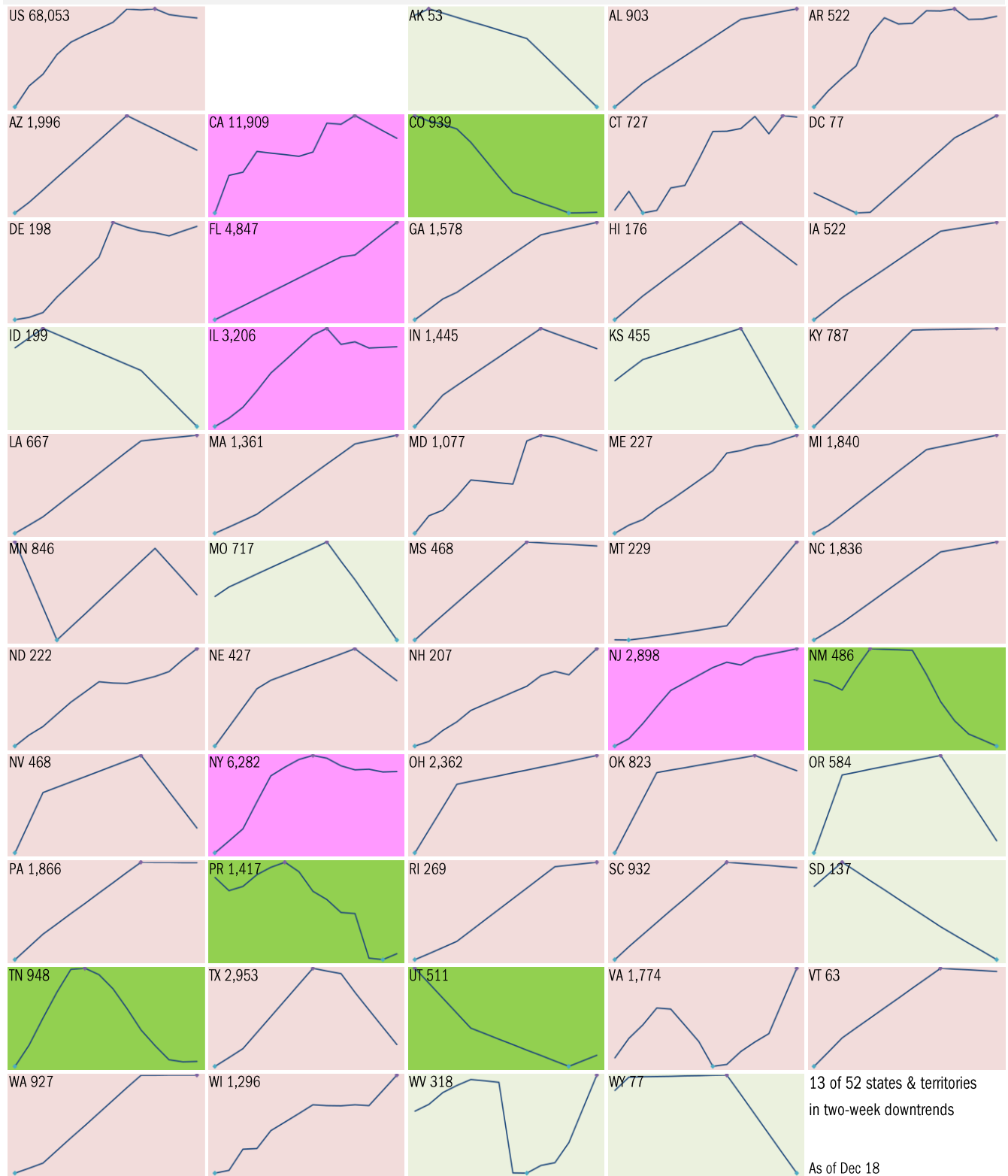


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

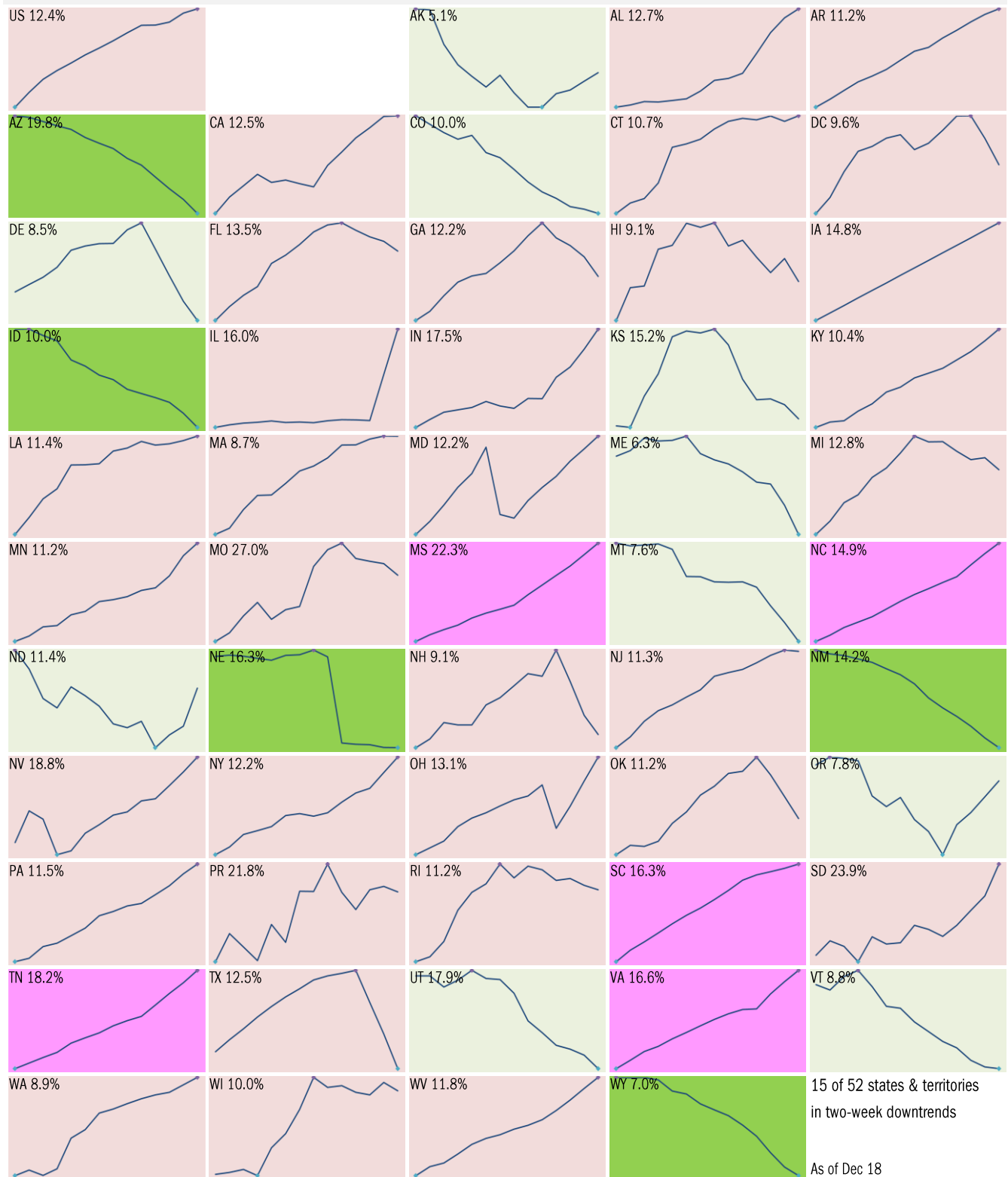


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

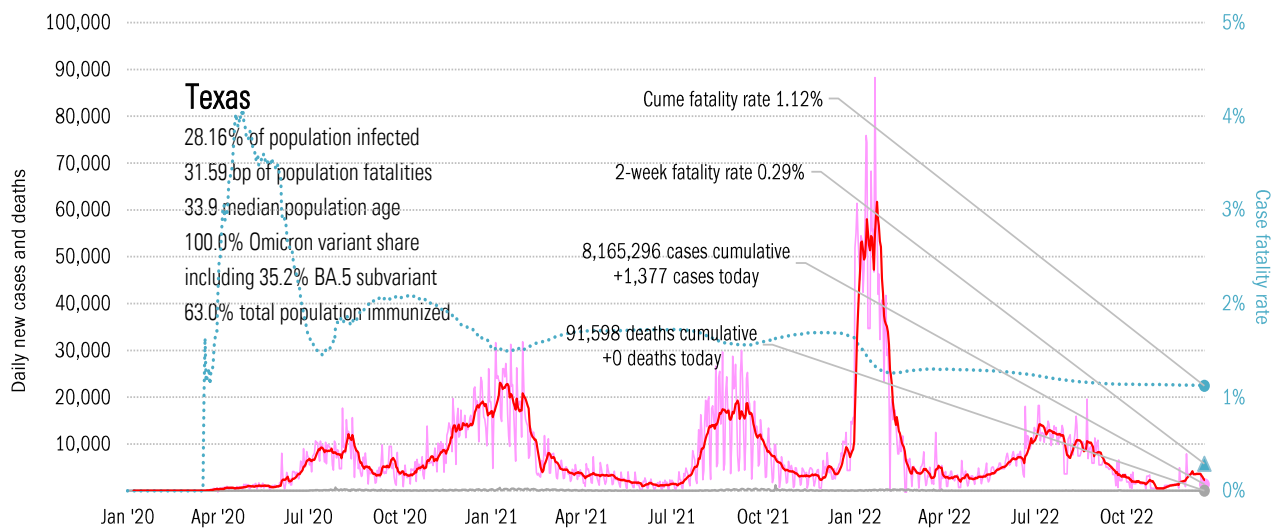
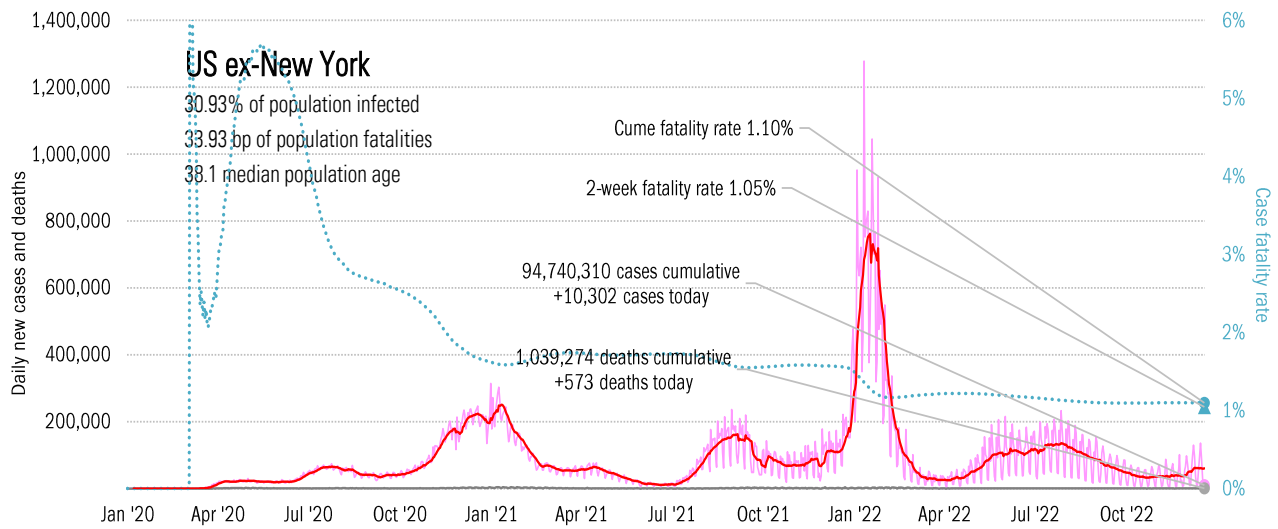
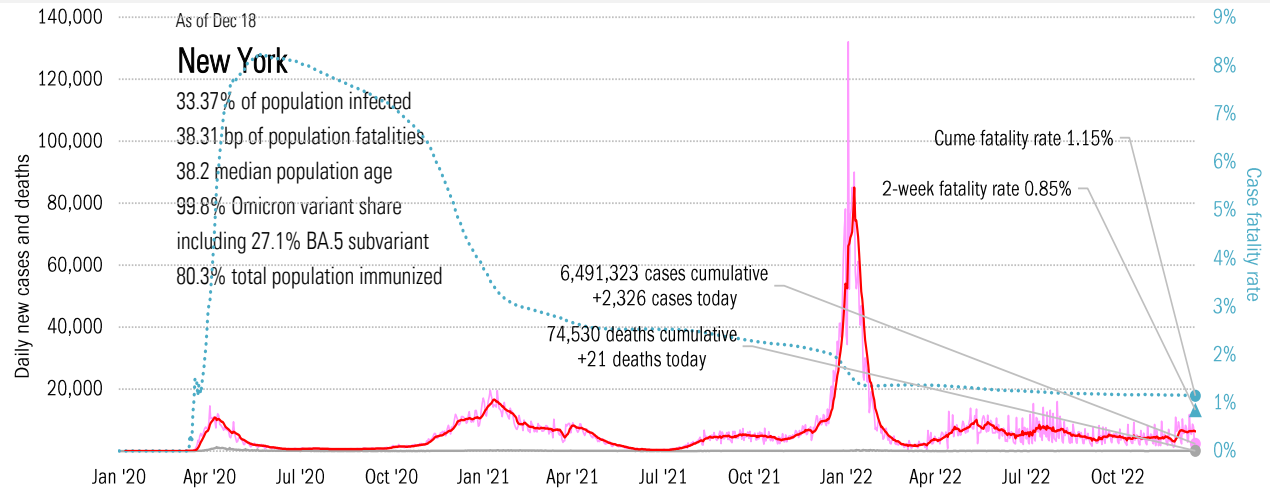
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

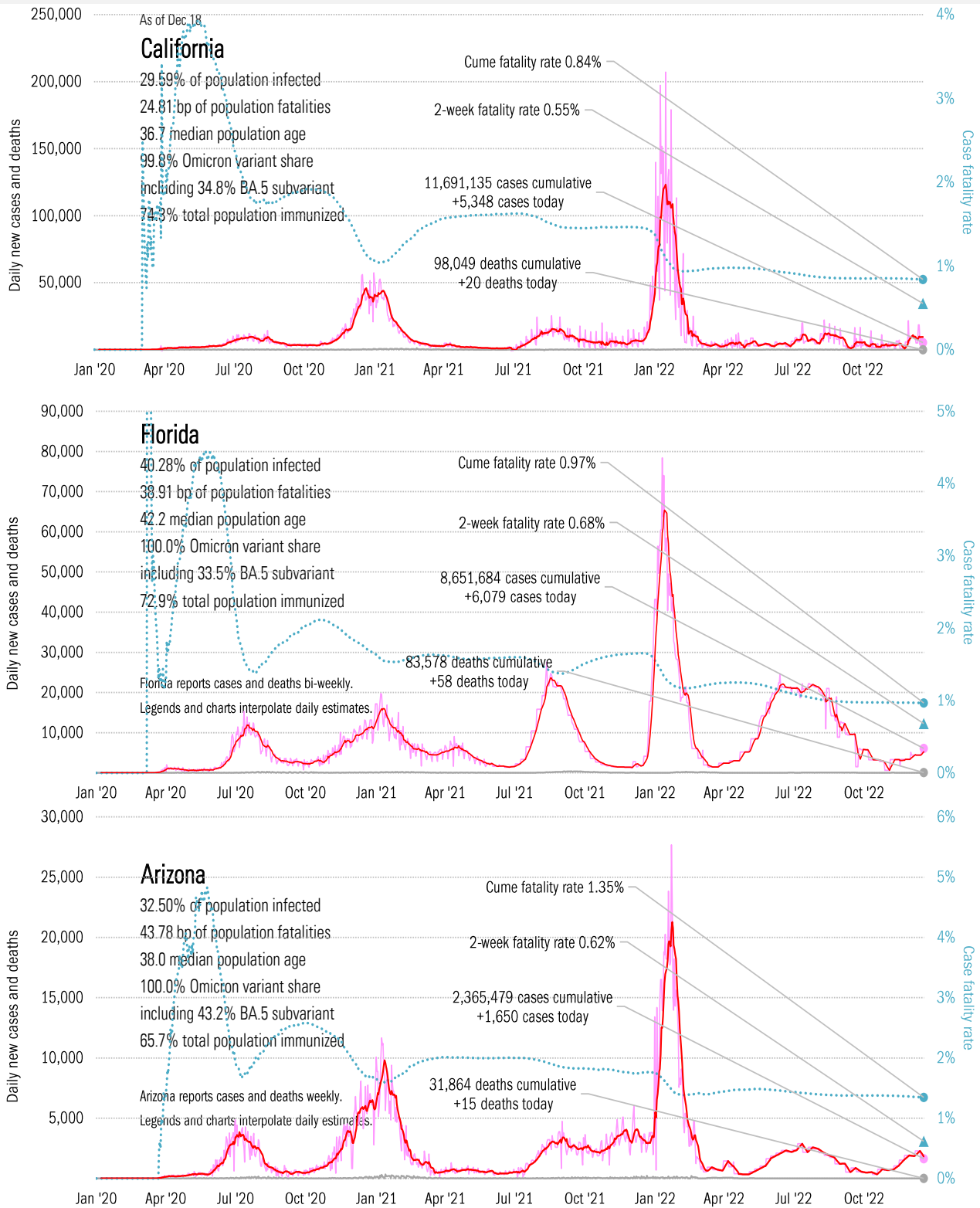
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

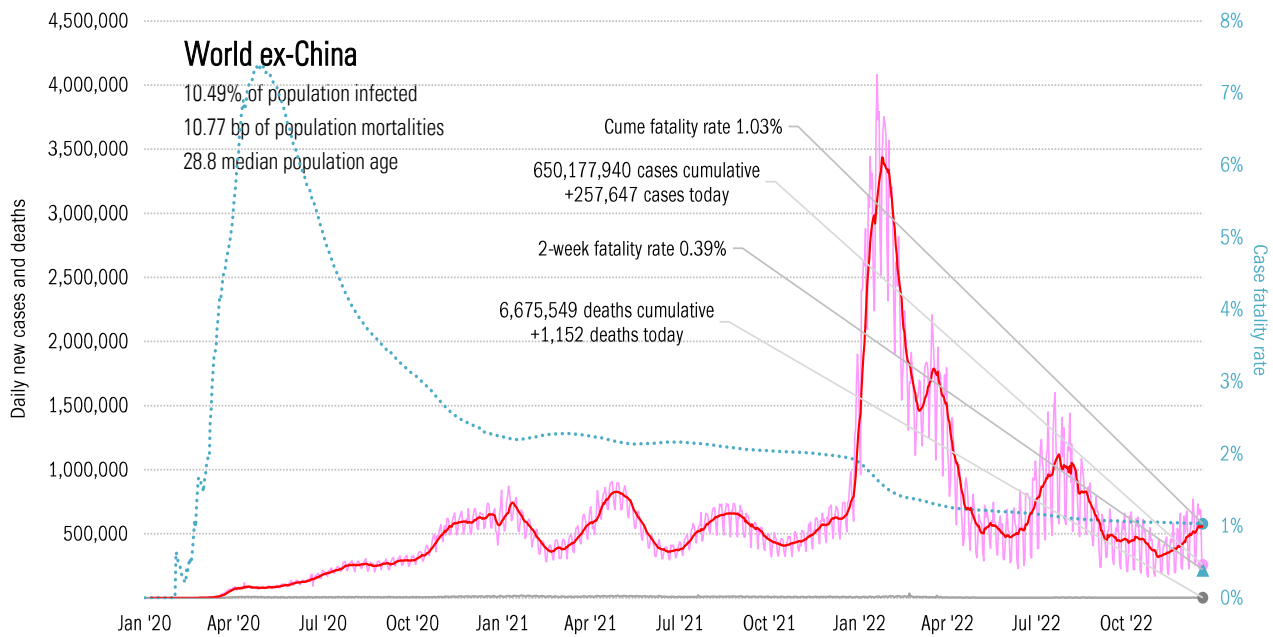
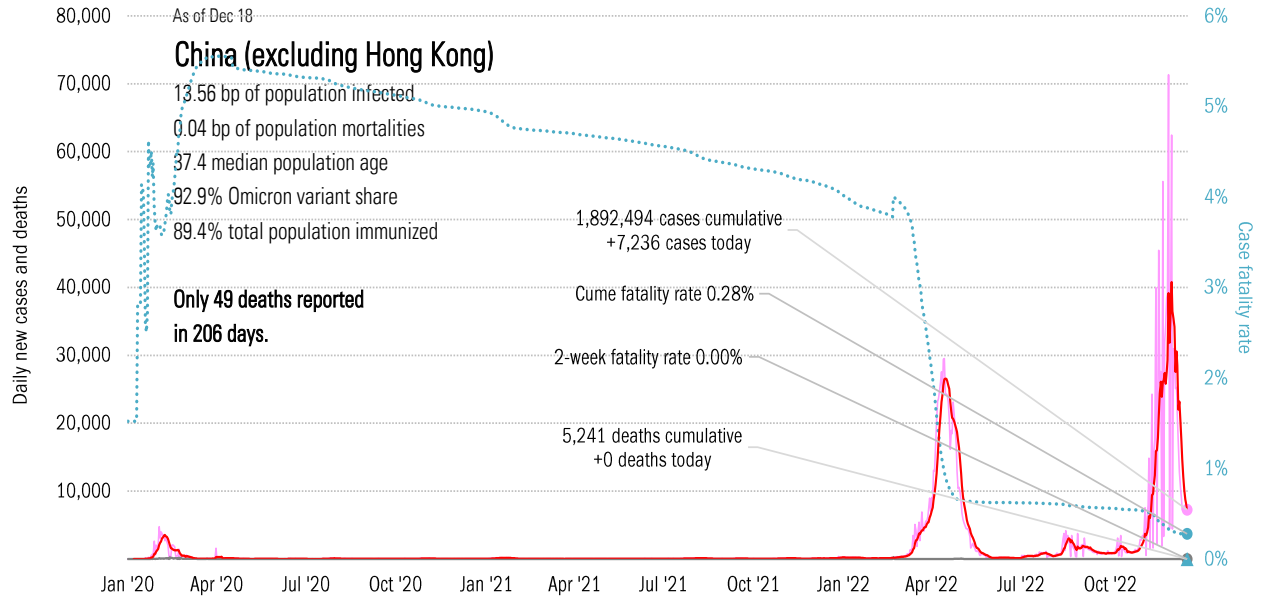
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

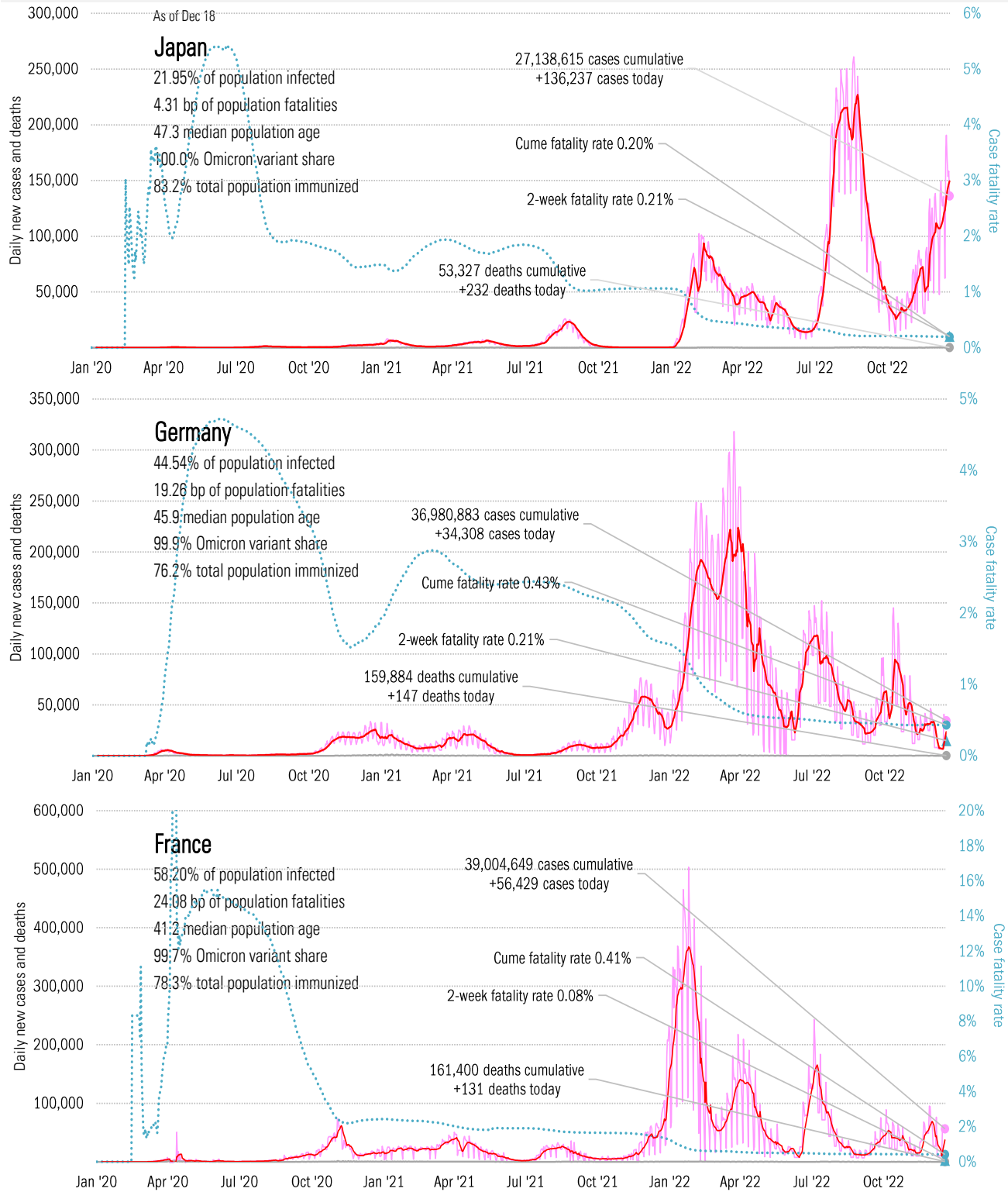
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

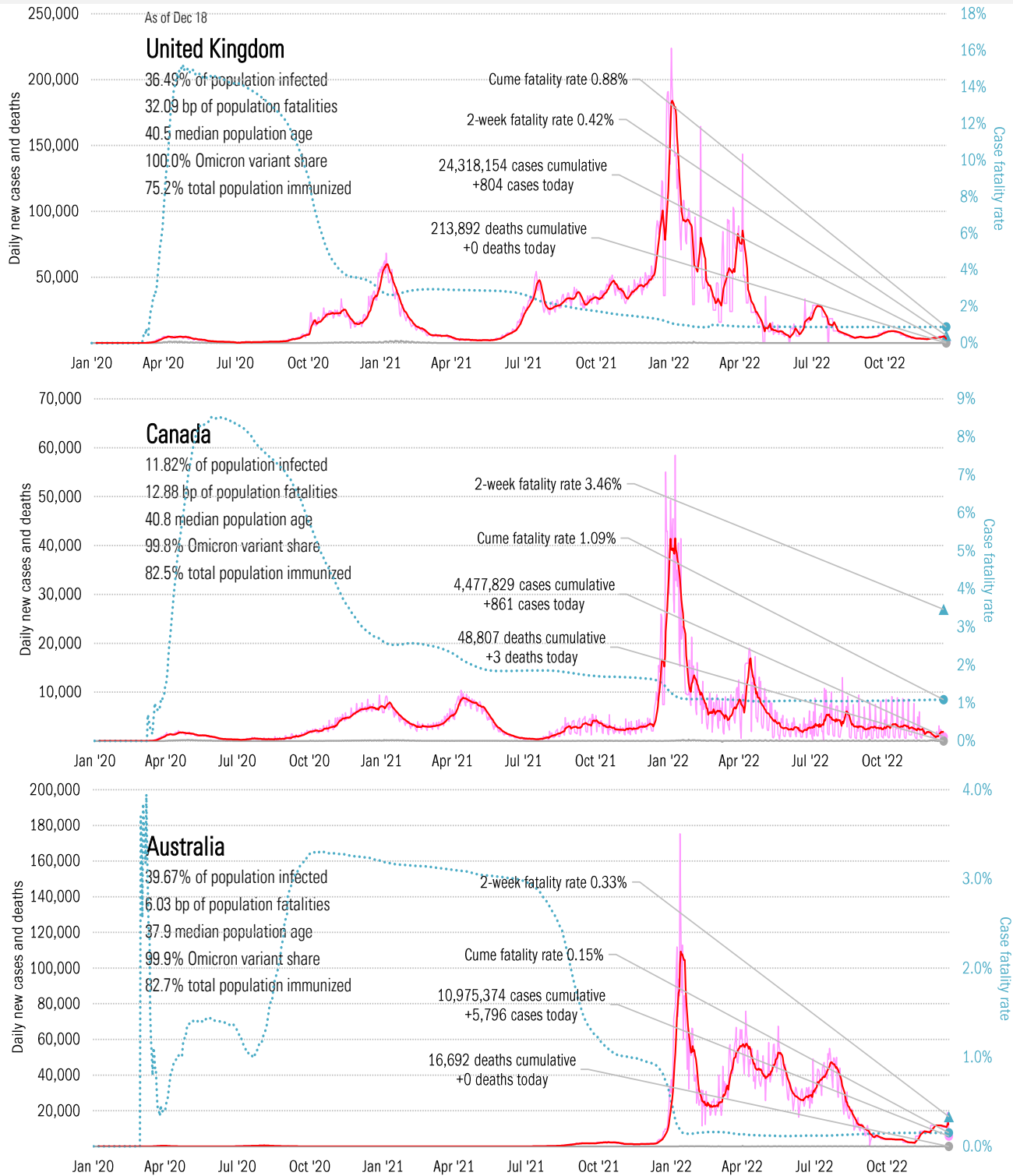


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

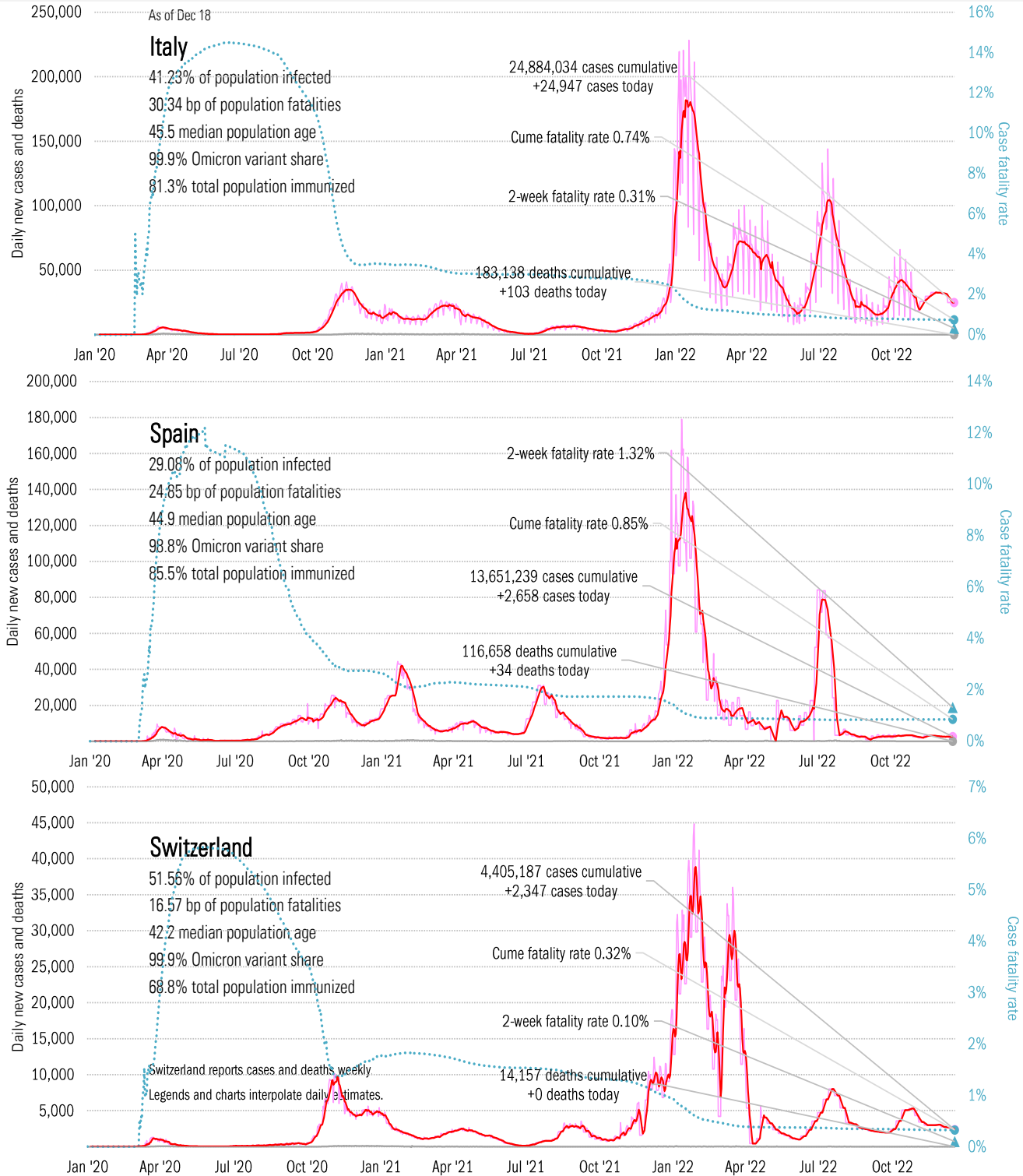
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

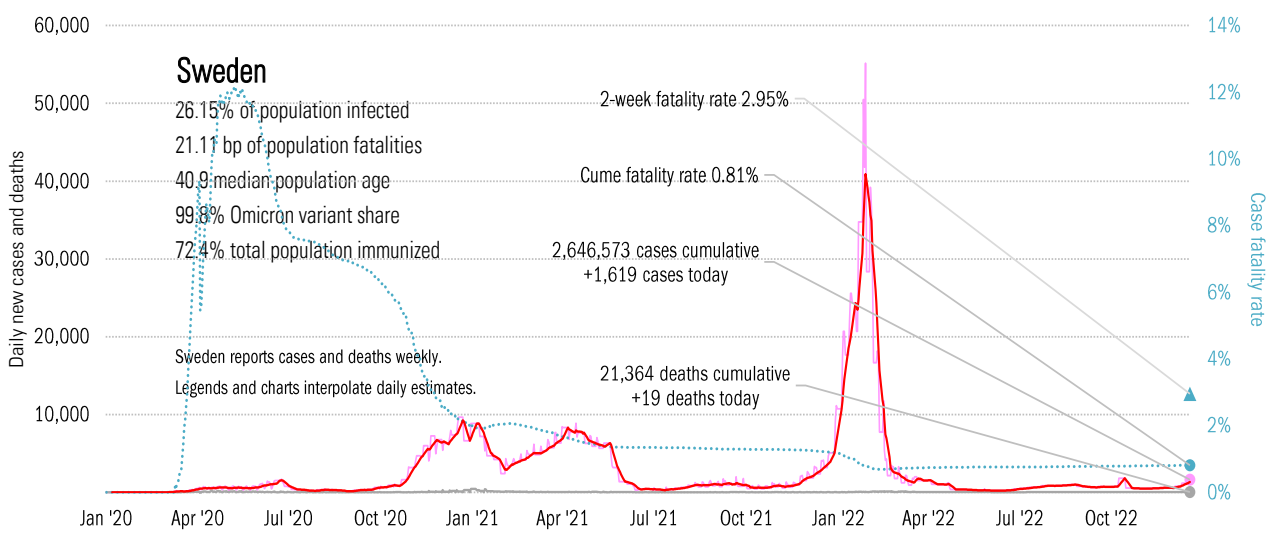
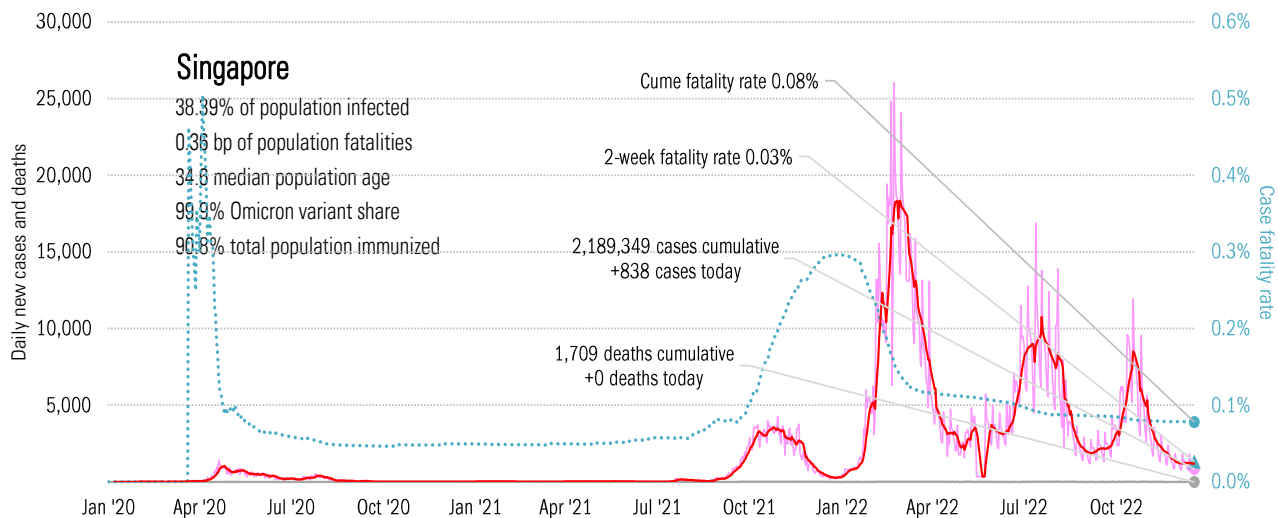
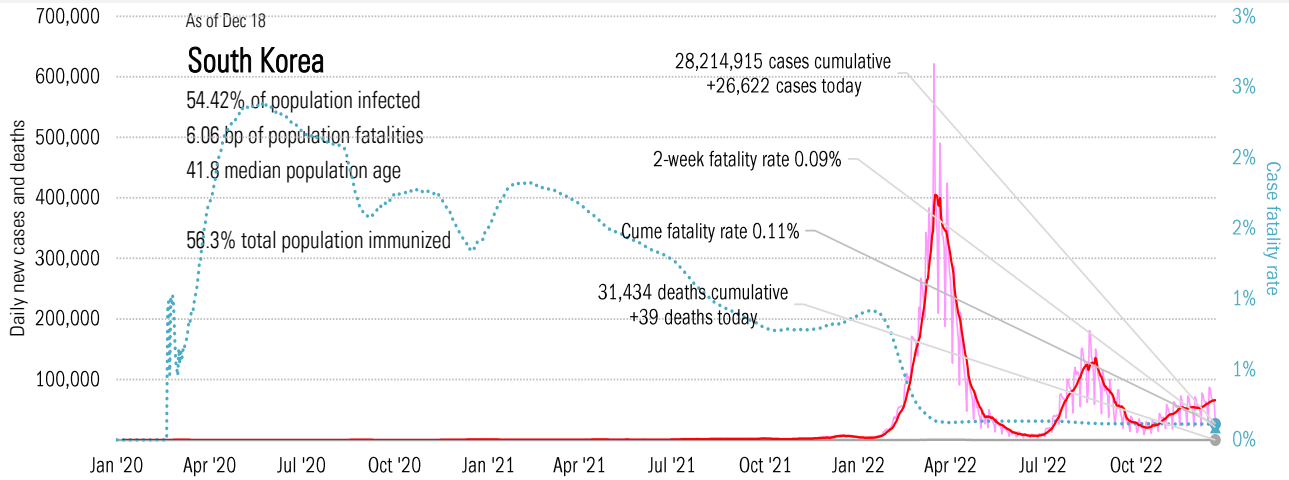
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

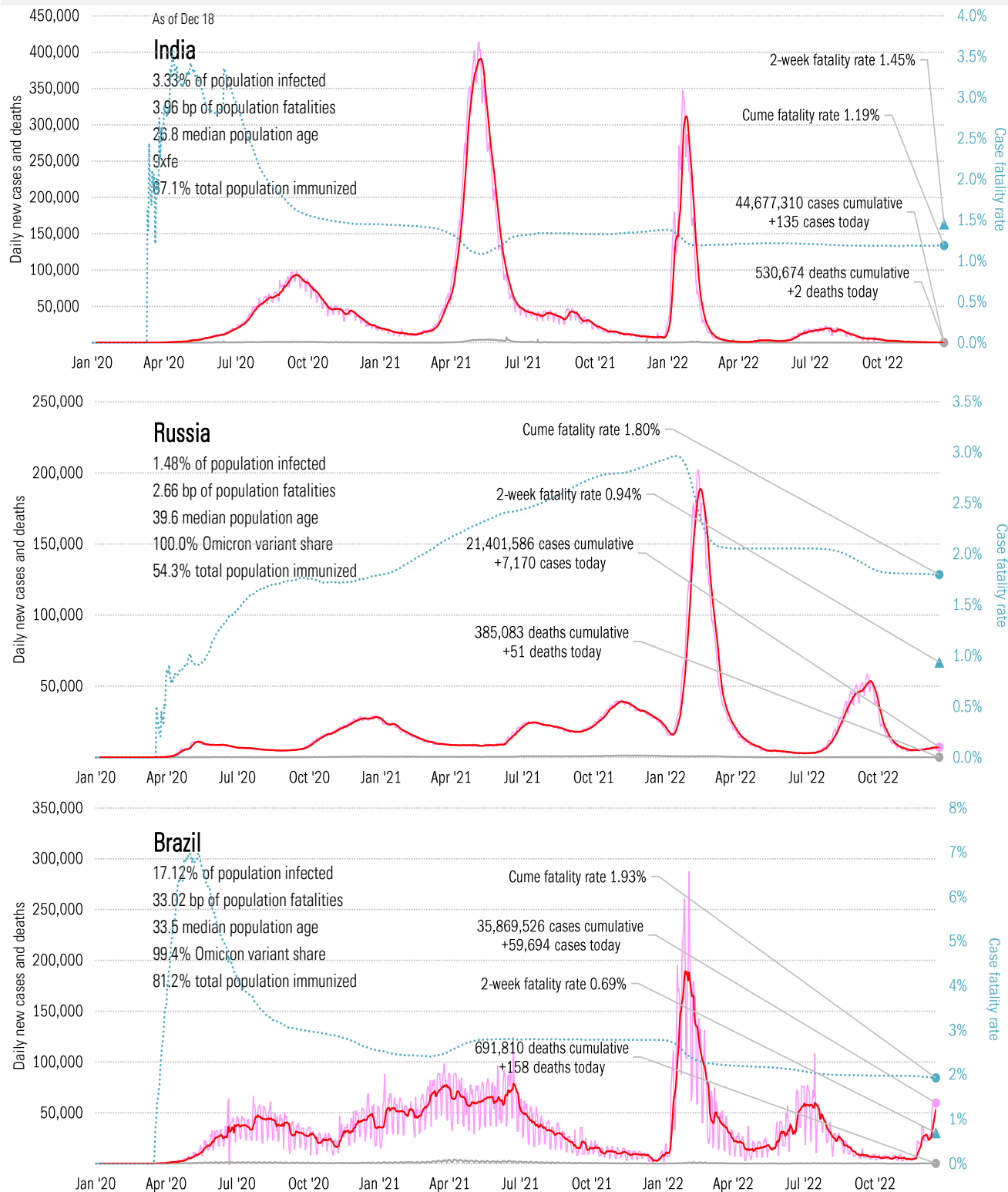
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

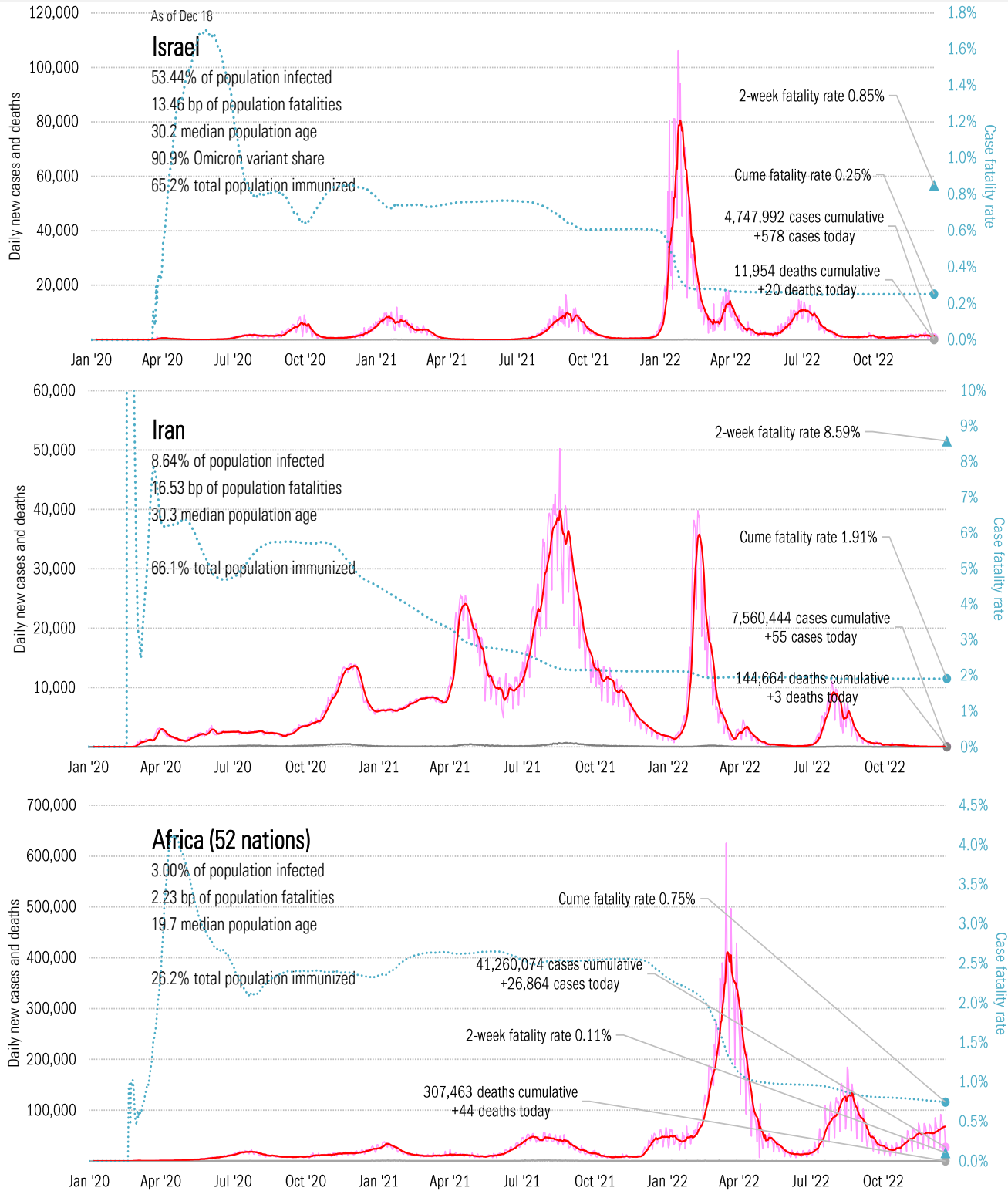
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

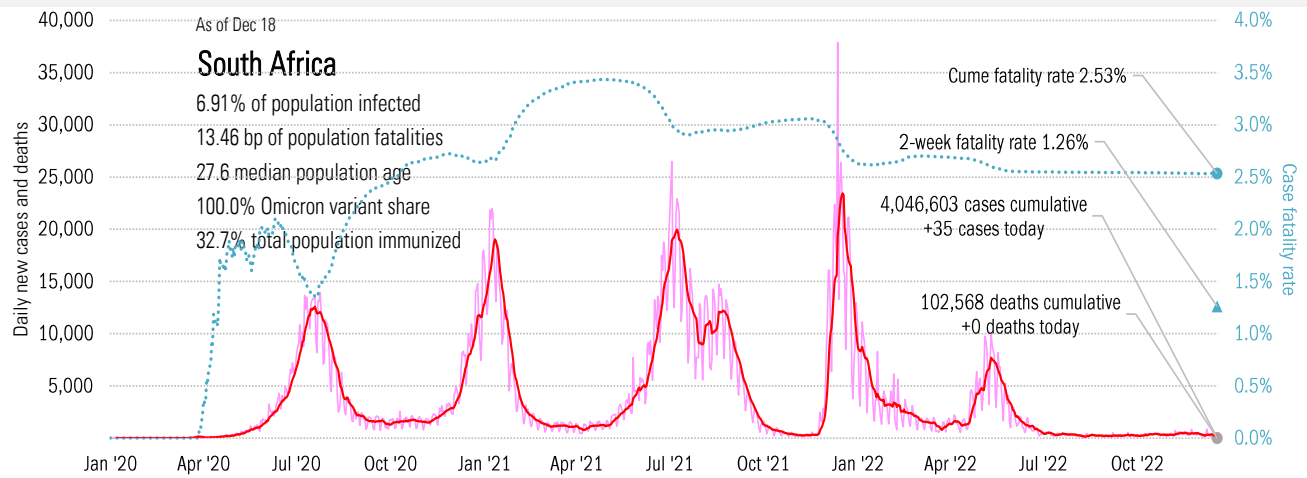
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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