

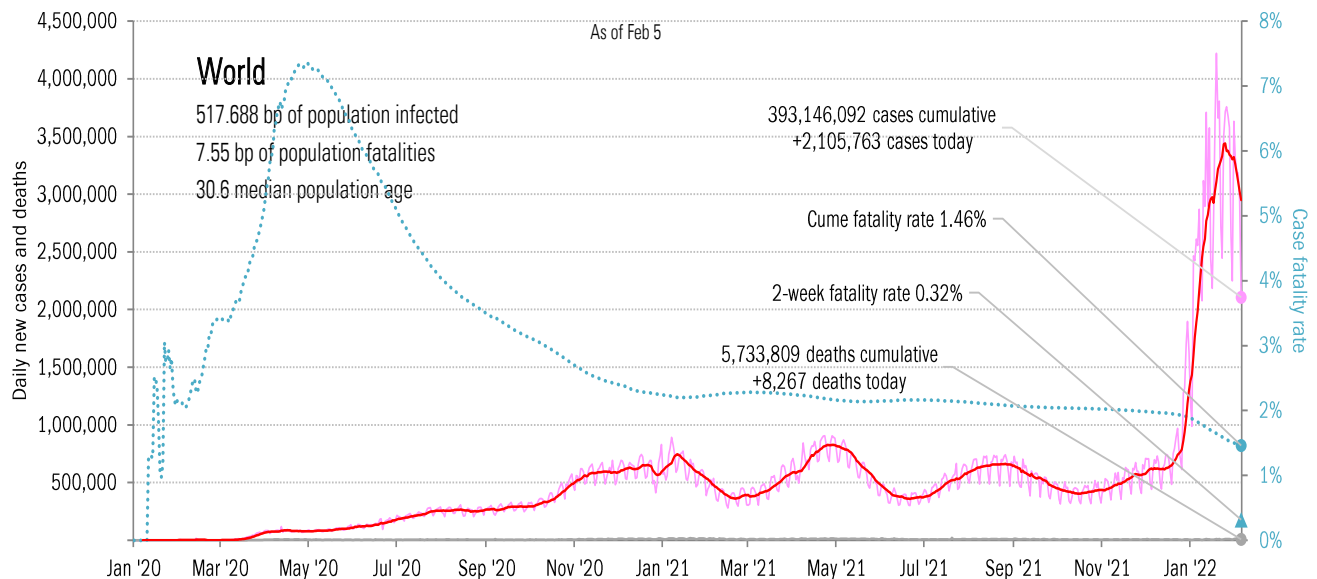
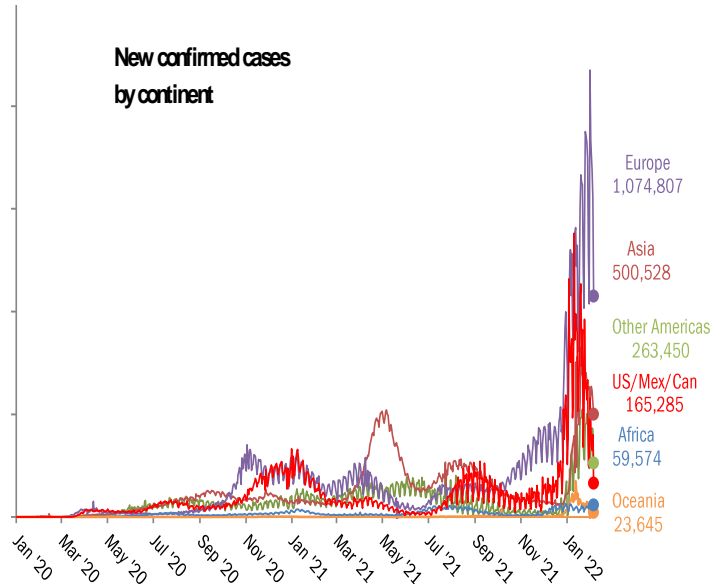
## Data Insights: Covid-2019 Monitor

Sunday, February 6, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
France	214,554	United States	1,067
Russia	175,979	India	865
Brazil	158,092	Brazil	830
Germany	127,116	Russia	704
United States	122,578	Mexico	588
India	107,474	Italy	375
Japan	102,275	Poland	272
Turkey	98,715	South Africa	272
Italy	93,192	United Kingdom	260
United Kingdom	60,228	Peru	245
1,260,203		5,478	
World 2,105,763		World 8,267	
Top ten 60%		Top ten 66%	



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

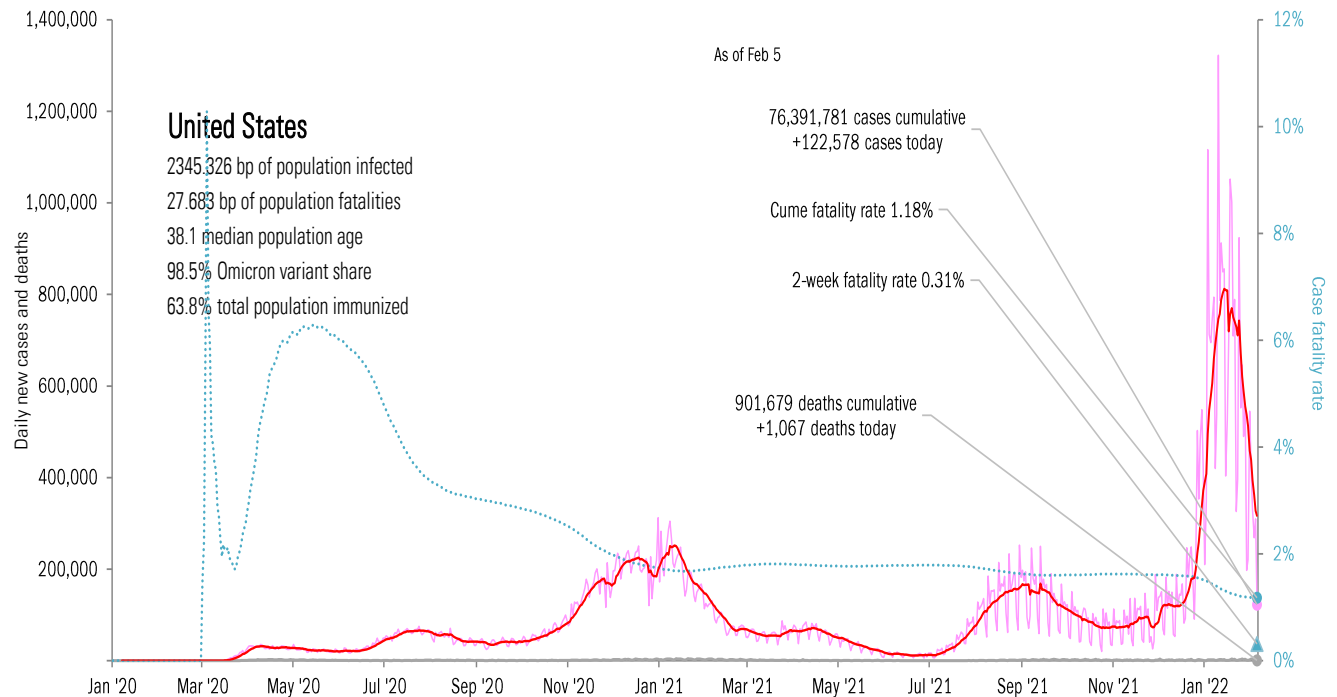
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use									
TN	21,742		TX	201		NY	337		CA	8,620,460		CA	81,001		TX	464,739		WV	87%	AL	94%								
FL	18,814		FL	189		MT	15		TX	6,399,867		TX	80,662		CA	397,889		MA	87%	TX	92%								
TX	18,489		PA	165		WY	2		FL	5,587,542		FL	65,692		FL	395,370		GA	85%	NV	90%								
CA	9,880		AZ	98		ME	1		NY	4,845,280		NY	65,626		NY	235,469		MD	85%	MS	89%								
PA	8,434		CA	84		AS	0		IL	2,957,563		PA	41,524		GA	195,391		RI	85%	CK	89%								
AZ	8,243		NJ	80		GU	0		PA	2,697,242		CH	34,217		CH	182,617		MN	84%	GA	89%								
NY	5,764		TN	69		MP	0		CH	2,608,055		IL	33,729		PA	167,969		PA	83%	KY	89%								
IA	4,788		NY	48		CR	0		NC	2,470,242		GA	33,402		IL	149,905		MO	83%	RI	88%								
WV	3,734		MD	36		V	0		GA	2,403,125		MI	32,873		MI	134,178		WA	82%	NC	87%								
NJ	2,961		AR	31		VT	0		MI	2,295,050		NJ	31,948		KY	133,910		CR	82%	AR	87%								
102,849			1,001			355			40,884,426			500,674			2,457,437														
All states			122,578			1,067			-3,036			All states			76,391,781			901,679			4,447,107			All states		70%		67%	
Top ten			84%			94%			-12%			Top ten			53%			56%			55%			Median		78%		82%	

Some states not reporting

## Five most improved US states

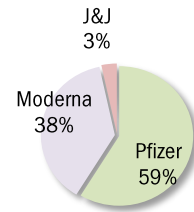
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
IL	-18,464	MI	-235	CO	-234	AR	+20 bp
CA	-12,791	IL	-173	CK	-205	NE	+20 bp
NC	-12,385	AL	-156	KY	-154	NJ	+20 bp
WA	-12,335	CA	-155	AL	-151	AK	+10 bp
MI	-12,040	VA	-155	TX	-145	AL	+10 bp



Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	556,332,629		+0.684 million	US	63.8%	75.6%
Boosters	90,796,993		+0.309 million	UK	71.2%	76.9%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	258,451,776	77%	218,730,101	65%	+0.180 million	France 76.6% 79.8%
Age 12 to 17	17,044,284	67%	14,418,194	57%	+0.019 million	Spain 82.0% 87.6%
Age 18 to 64	174,385,775	86%	147,630,039	73%	+0.092 million	Germany 73.7% 75.3%
Age 65 and over	58,001,584	100%	50,155,189	92%	+0.011 million	Italy 77.2% 83.7%
						Australia 78.7% 84.6%
						Israel 65.7% 72.0%
						Canada 79.7% 85.1%
						Japan 79.2% 80.4%
						Africa 10.9% 16.1%
						India 52.3% 68.2%
						Brazil 70.5% 80.4%
						China 85.0% 87.7%



**State**

At least partial immunity as % population

Full immunity as % population

Best

Middle

Worst

\*Immunity\* = two doses

**AK**

68.0%

59.8%

**WI**

70.6%

63.8%

**ME**

88.7%

77.7%

As of Feb 5

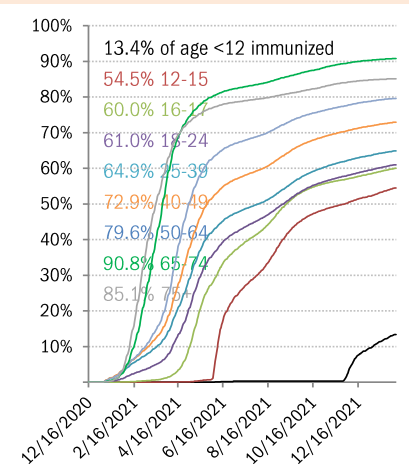
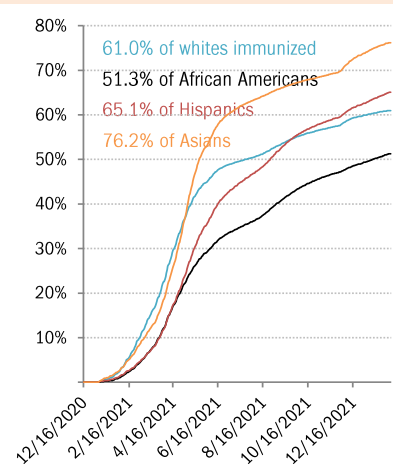
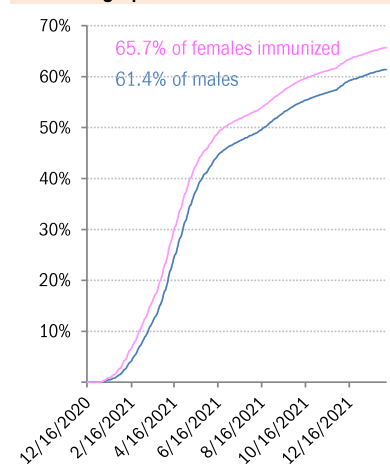
<b>WA</b> 79.0% 70.2%	<b>ID</b> 59.8% 52.4%	<b>MT</b> 64.0% 55.4%	<b>ND</b> 64.1% 54.1%	<b>MN</b> 73.8% 67.3%	<b>IL</b> 75.5% 66.4%	<b>MI</b> 65.4% 58.4%	<b>NY</b> 87.9% 74.5%	<b>VT</b> 92.3% 79.5%	<b>NH</b> 95.0% 69.1%	
<b>OR</b> 76.4% 68.0%	<b>NV</b> 73.2% 58.7%	<b>WY</b> 57.4% 50.0%	<b>SD</b> 74.2% 59.2%	<b>IA</b> 66.8% 60.6%	<b>IN</b> 60.1% 53.4%	<b>OH</b> 62.5% 57.0%	<b>PA</b> 82.4% 66.1%	<b>NJ</b> 87.9% 73.2%	<b>MA</b> 95.0% 76.7%	
<b>CA</b> 80.7% 69.4%	<b>UT</b> 70.3% 61.1%	<b>CO</b> 77.6% 68.4%	<b>NE</b> 68.9% 61.8%	<b>MO</b> 64.8% 54.5%	<b>KY</b> 64.8% 55.8%	<b>WV</b> 63.7% 56.3%	<b>VA</b> 83.4% 70.8%	<b>MD</b> 84.0% 72.9%	<b>CT</b> 93.0% 76.9%	<b>RI</b> 95.0% 79.4%
	<b>AZ</b> 70.5% 59.1%	<b>NM</b> 84.8% 68.6%	<b>KS</b> 72.7% 59.3%	<b>AR</b> 65.2% 52.9%	<b>TN</b> 60.8% 52.9%	<b>NC</b> 81.3% 58.7%	<b>SC</b> 65.9% 55.1%	<b>DC</b> 93.7% 70.3%	<b>DE</b> 80.8% 66.6%	
			<b>OK</b> 69.4% 55.3%	<b>LA</b> 59.7% 52.0%	<b>MS</b> 58.3% 50.3%	<b>AL</b> 61.4% 49.6%	<b>GA</b> 63.8% 53.1%			
			<b>TX</b> 70.0% 59.1%					<b>FL</b> 77.4% 65.3%	<b>PR</b> 93.8% 79.9%	

**HI**

85.3%

76.2%

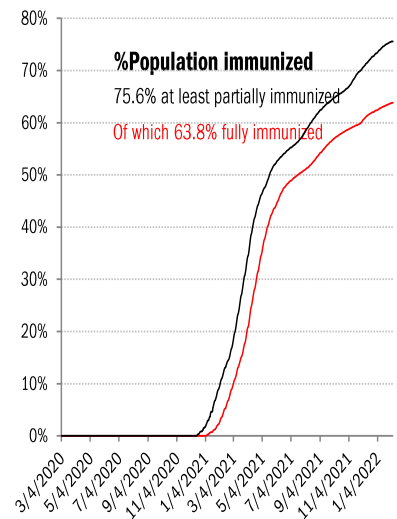
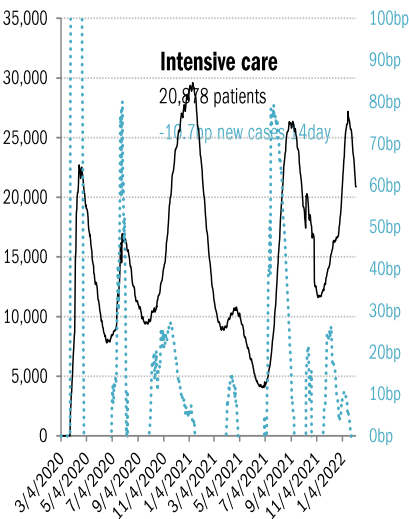
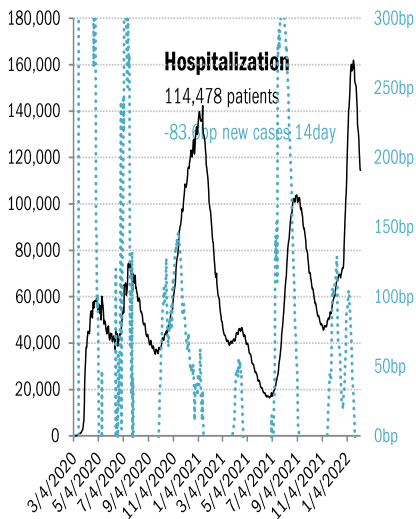
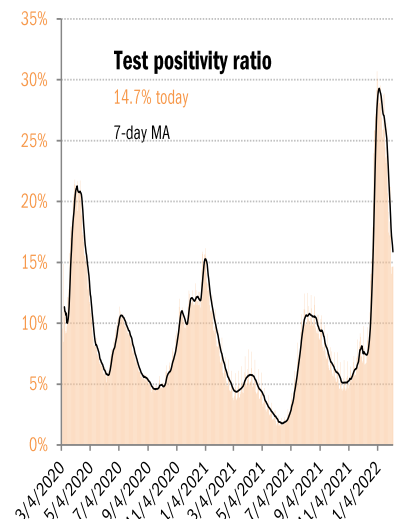
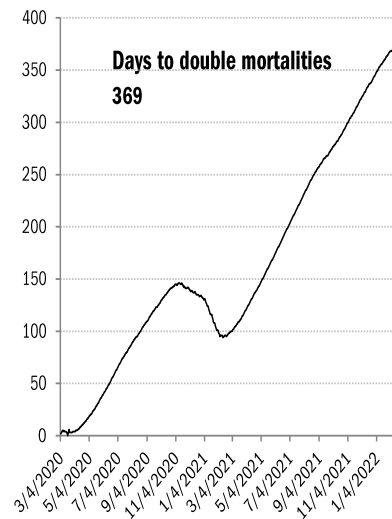
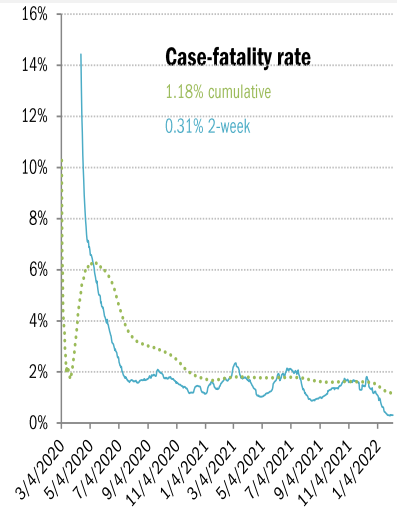
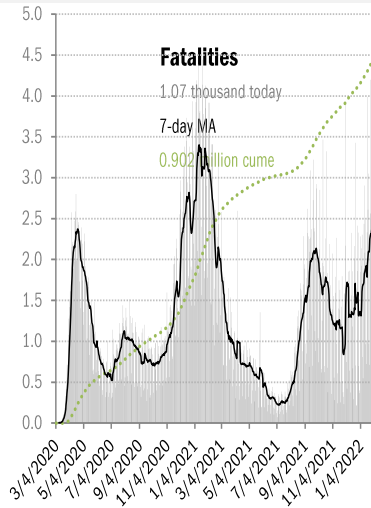
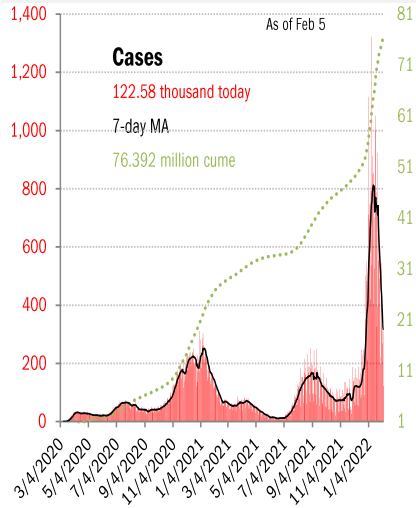
## The demographics of US vaccination



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

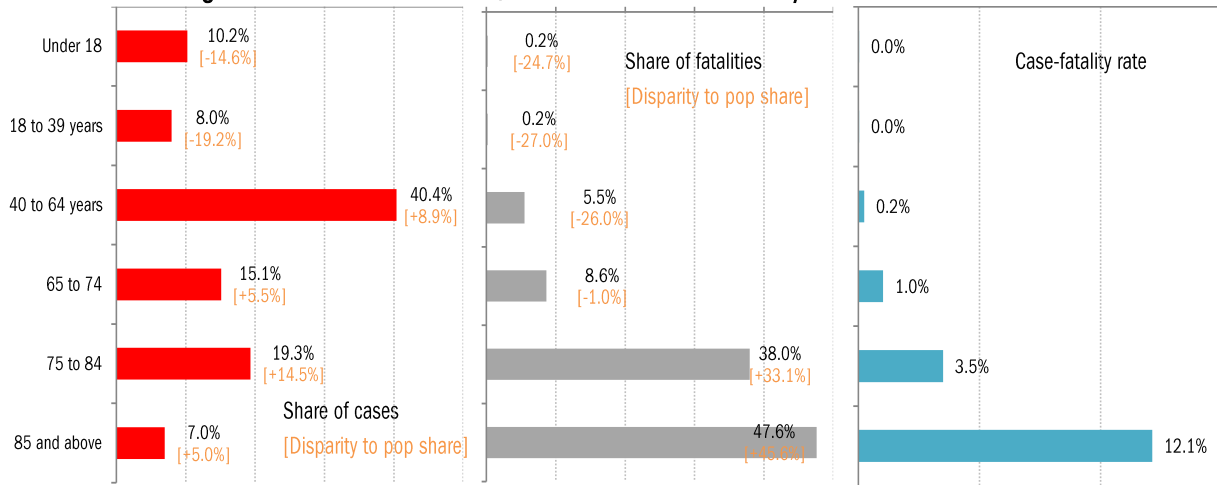
# US deep-dive

National and state-by-state data do not line up because of different sources

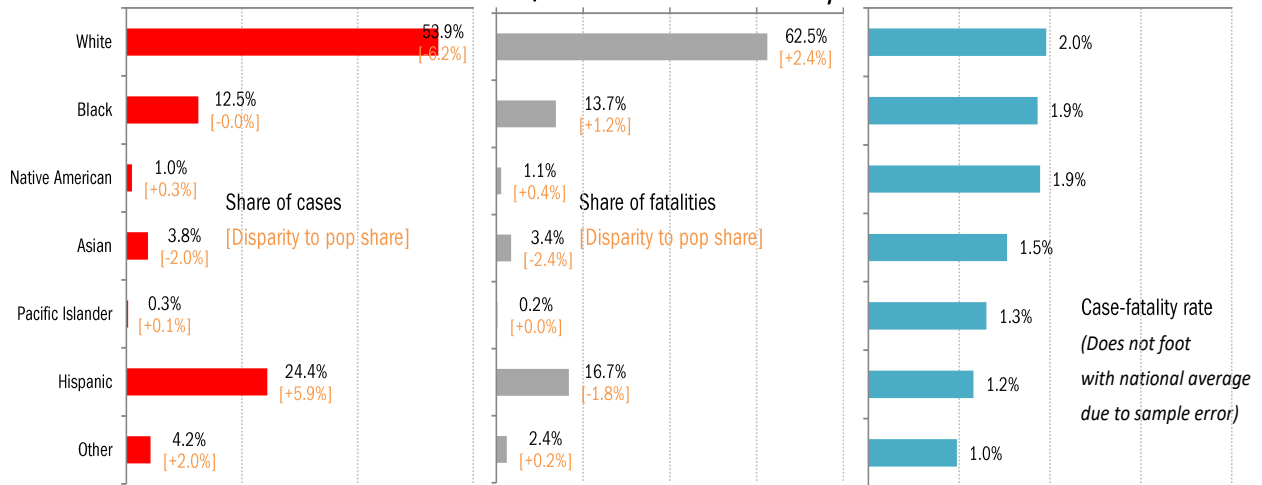


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

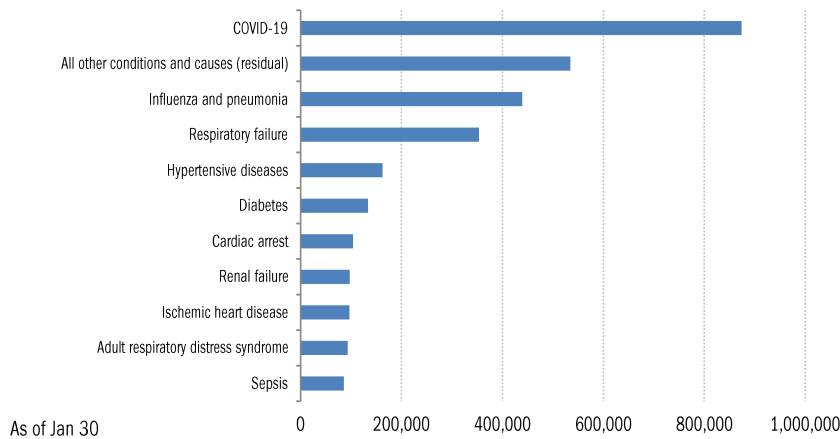


Racial distribution of US cases, fatalities and case-fatality rates



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

### [Needle Points](#)

Norman Doidge  
*Jordan B. Peterson*  
January 31, 2022

### [Needle Points](#)

Norman Doidge  
*Tablet*  
October 27, 2021

### [A Side-Effect of China's Strict Virus Policy: Abandoned Fruit](#)

Vo Kieu Bao Uyen, Sui-Lee Wee and Muktitia Suhartono  
*New York Times*  
February 5, 2022

### [A D.C. bar that was closed after defying vaccination requirements has a new life as a conservative rallying point.](#)

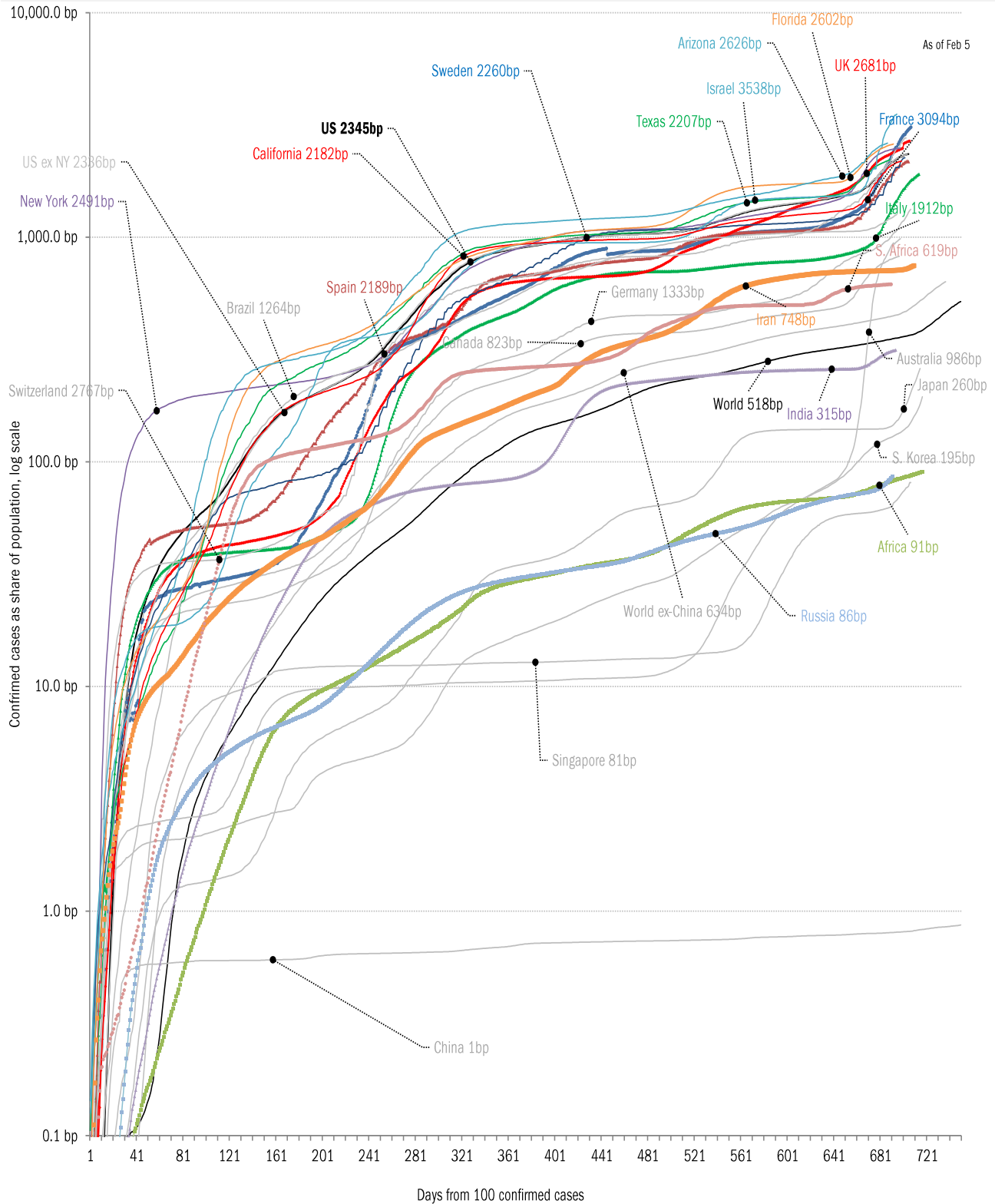
Aishvarya Kavi  
*New York Times*  
February 5, 2022

## Meme of the day



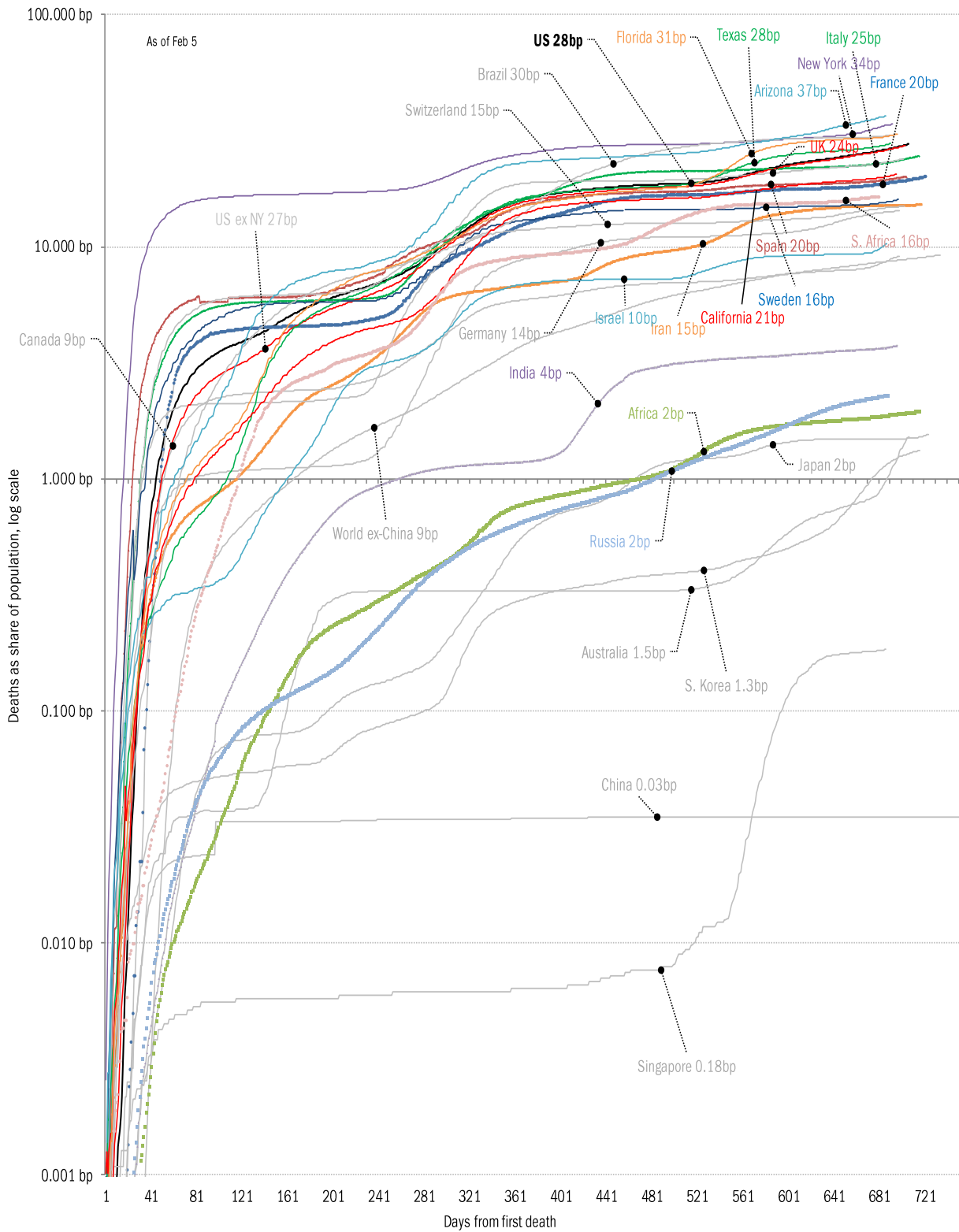
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

The 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 coronavirus mortality accelerometer ... tracking the world's fatality curves  
*Share of deceased population from day of first fatality, log scale*



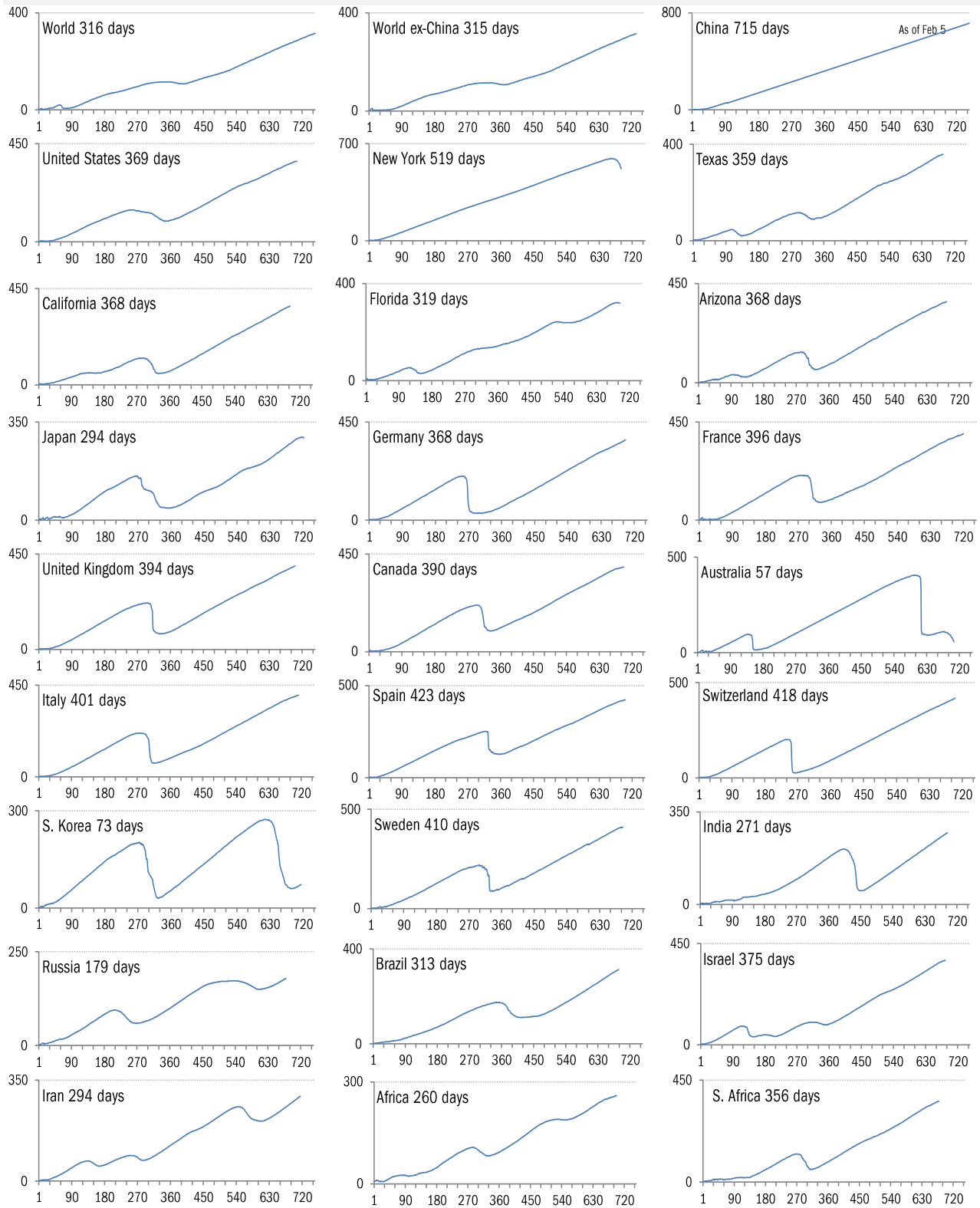
Source: [Johns Hopkins](#), TrendMacro calculations



# "Exponential"? Our most reliable evidence of the rate of spread of Covid-19

Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

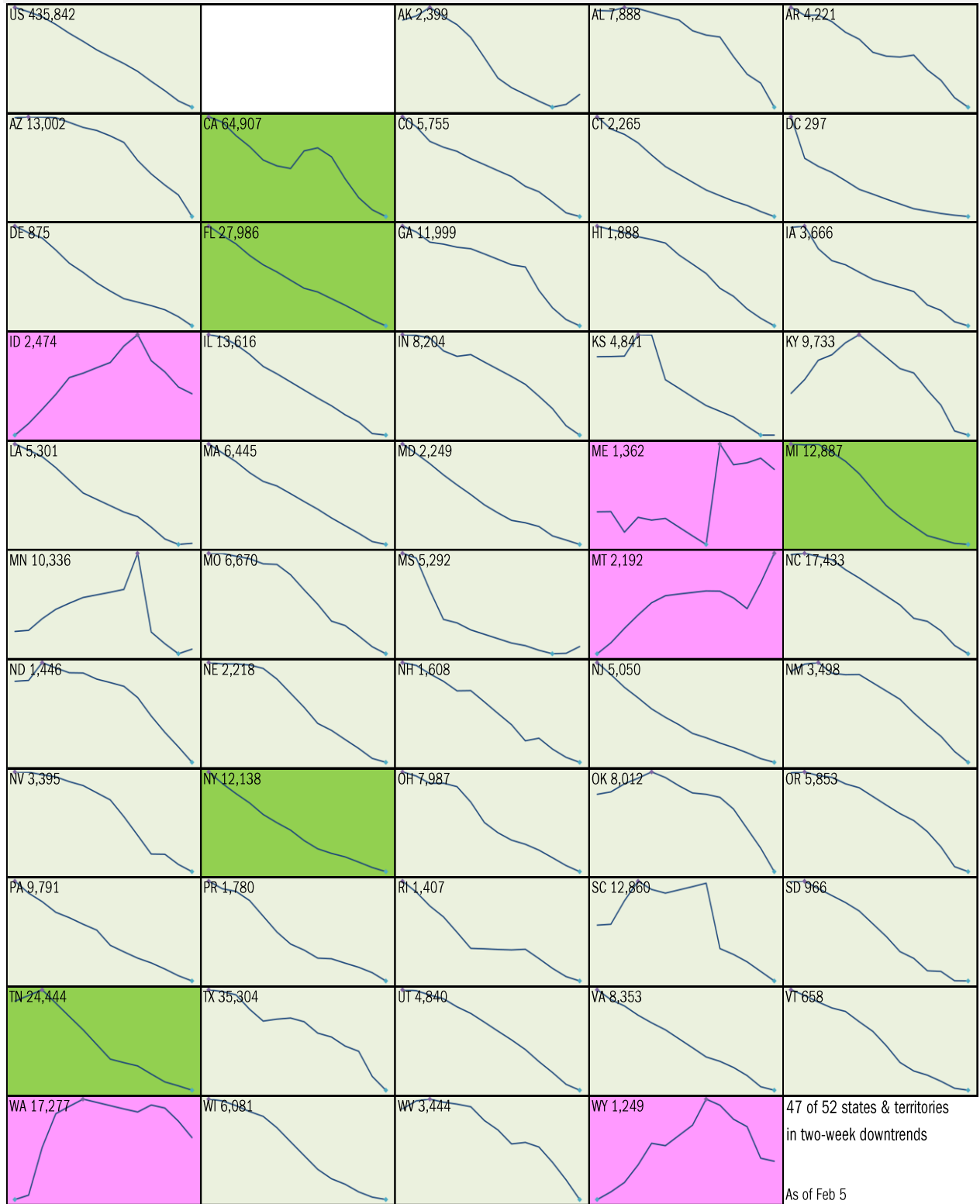


Source: [Johns Hopkins](#), TrendMacro calculations

Requirement to [Open Up America Again](#): 14-day "downward 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

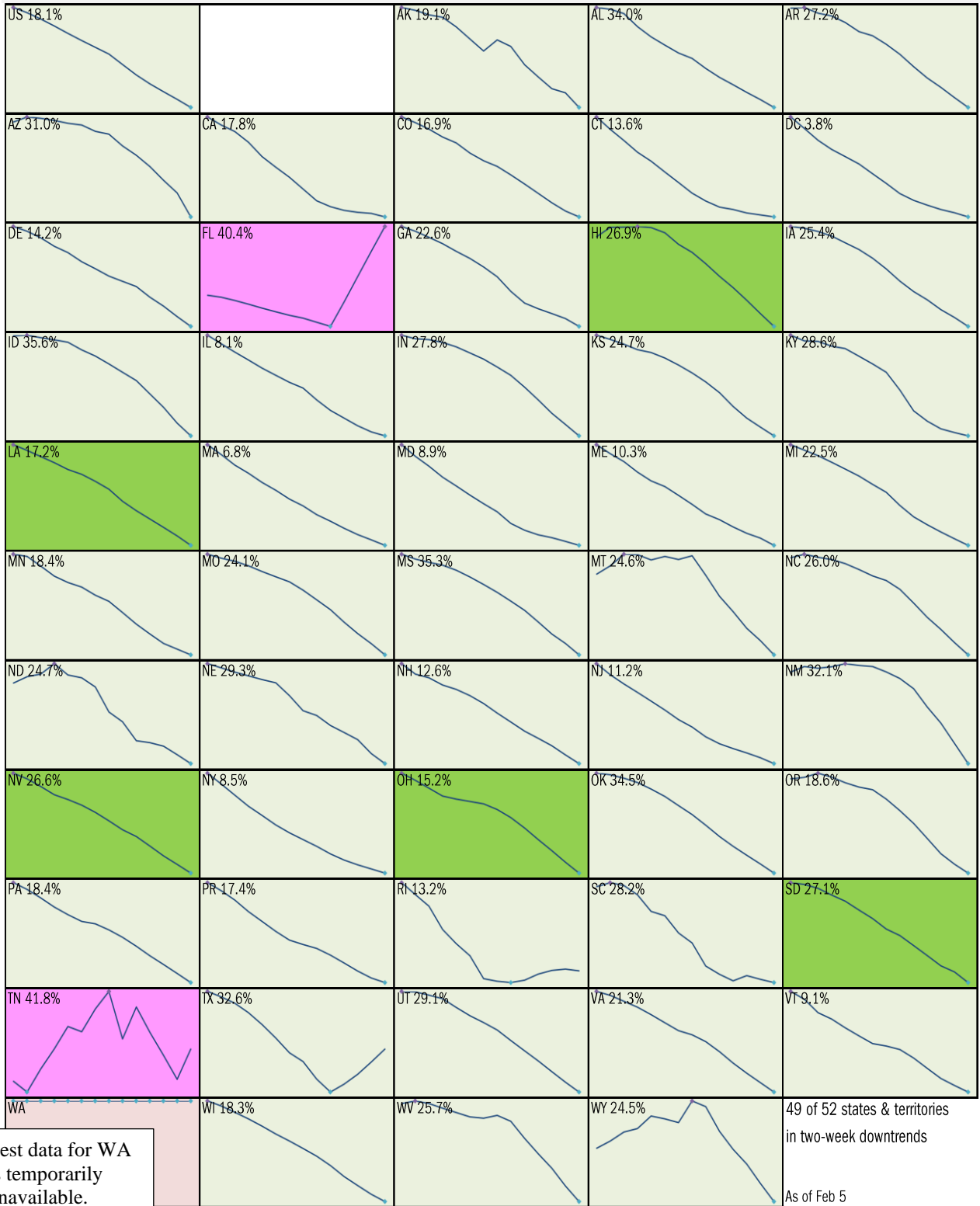


Source: [Johns Hopkins](#), TrendMacro calculations

Alt requirement to [Open Up America Again](#): 14-day “downward trajectory” in pos tests

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

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



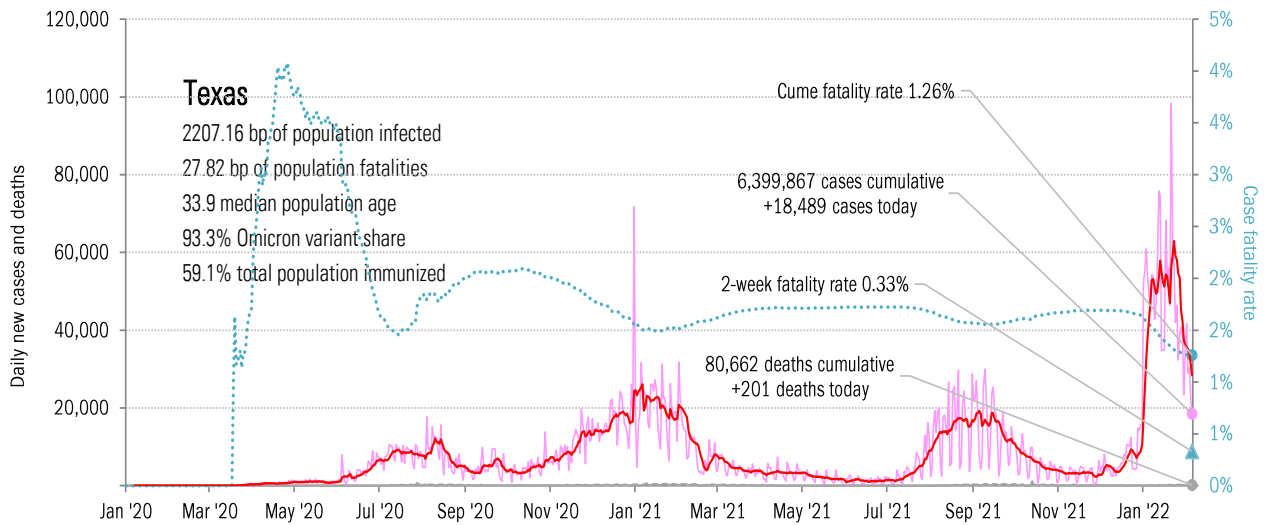
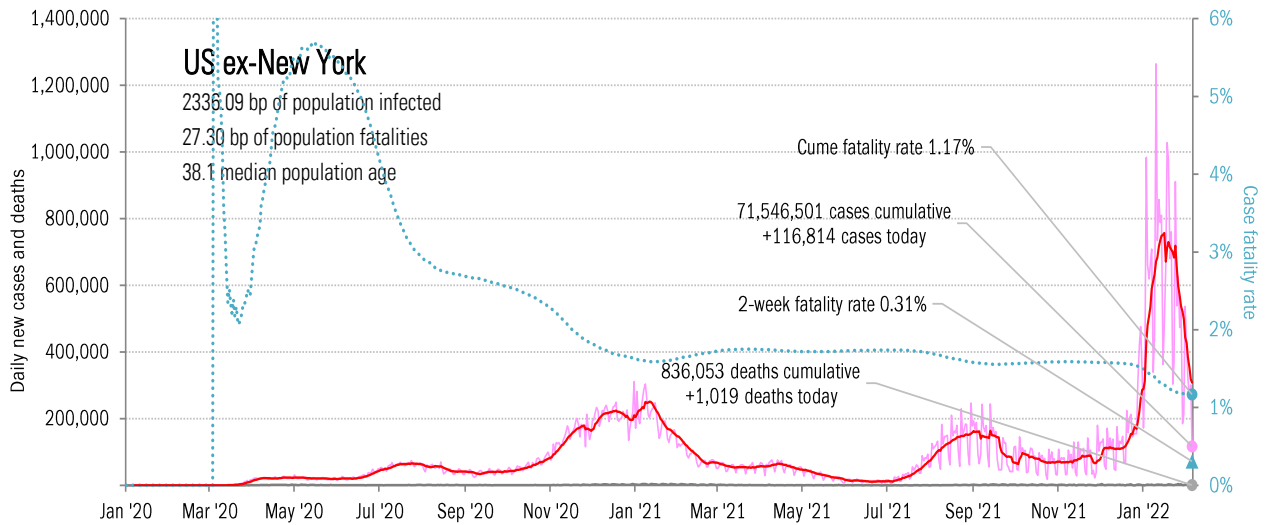
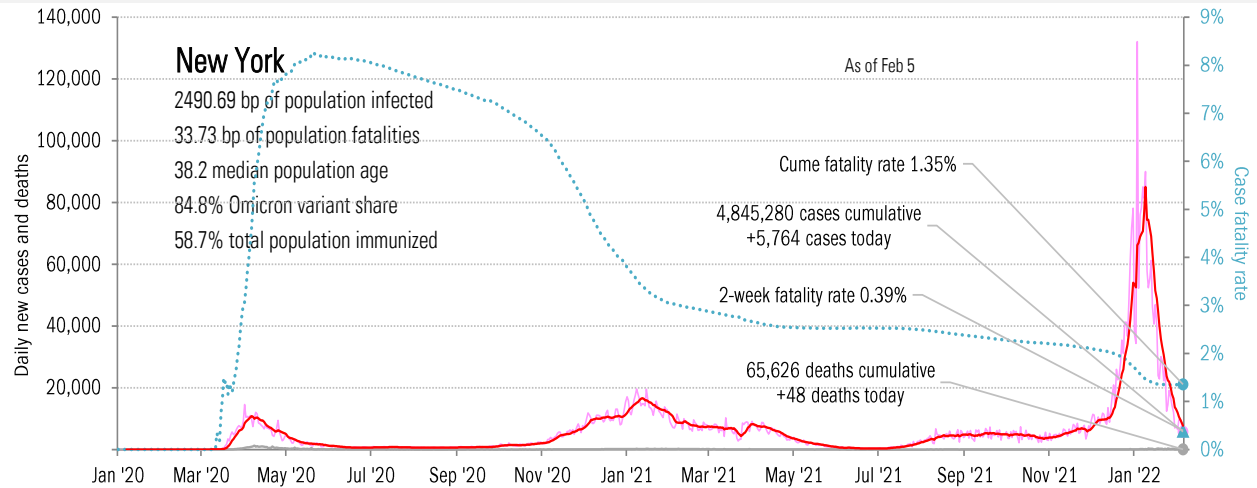
49 of 52 states & territories in two-week downtrends  
As of Feb 5

Test data for WA is temporarily unavailable.

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

# From Ground Zero to the Rio Grande

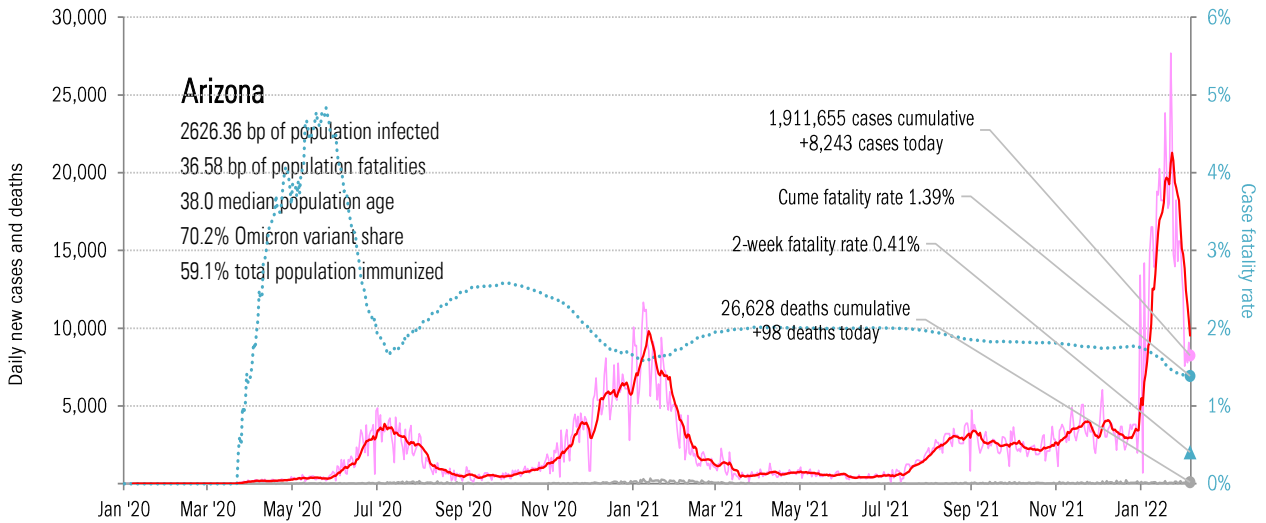
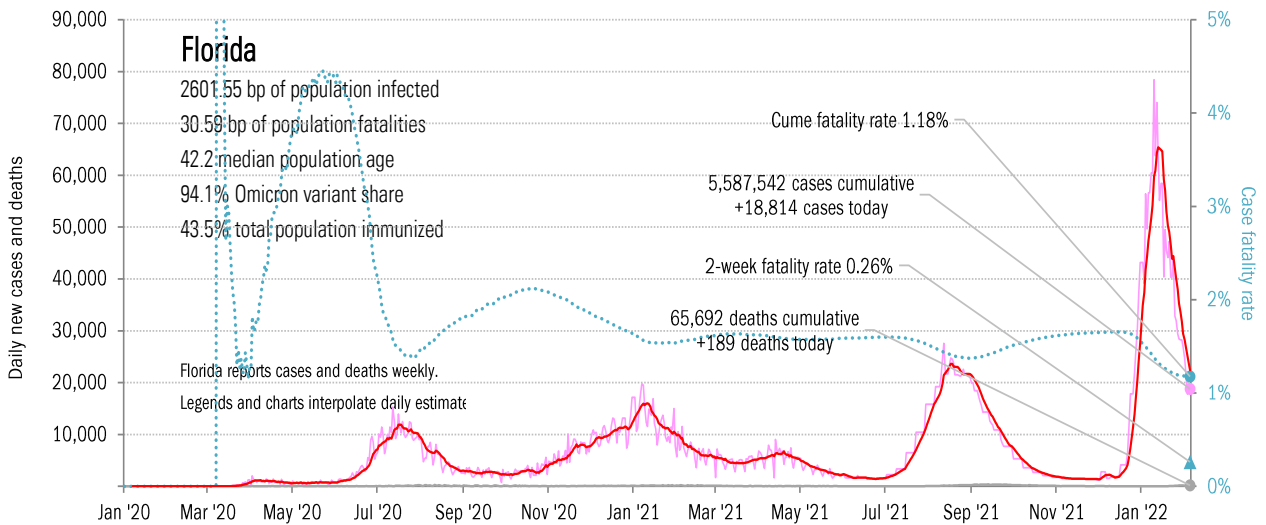
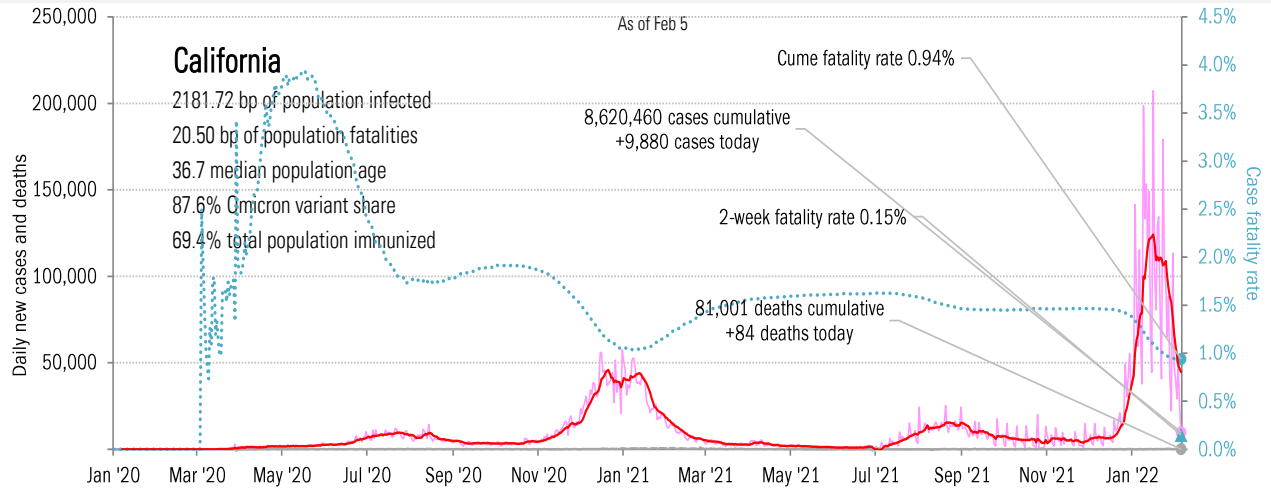
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states (other than Texas)

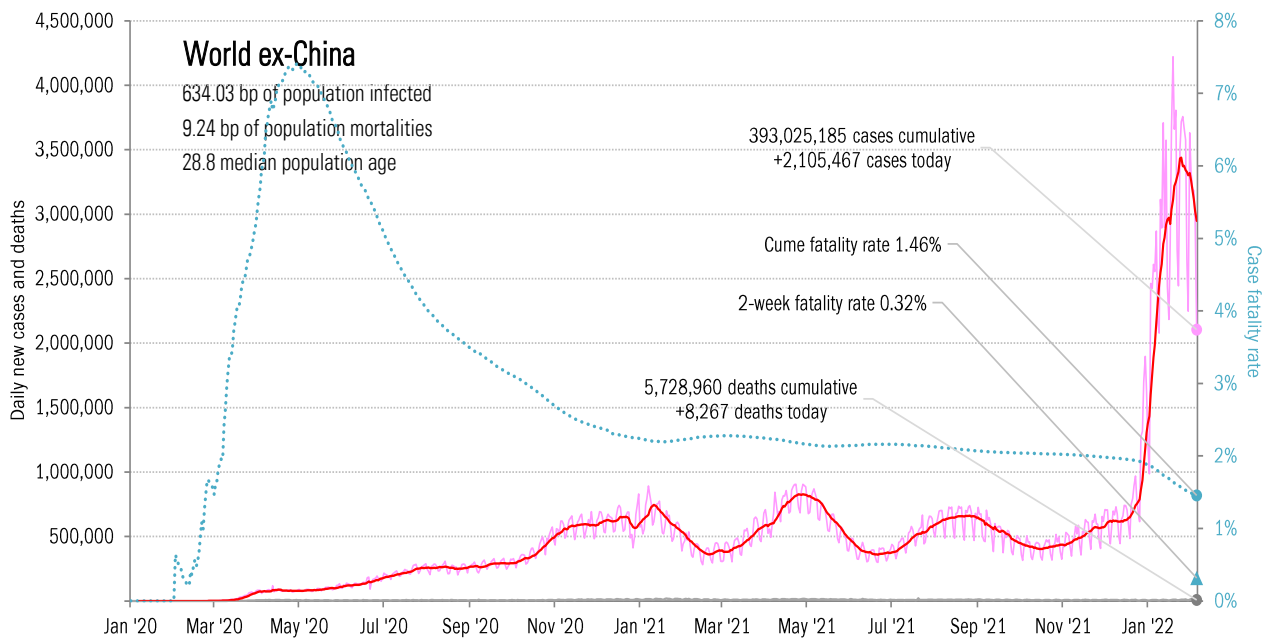
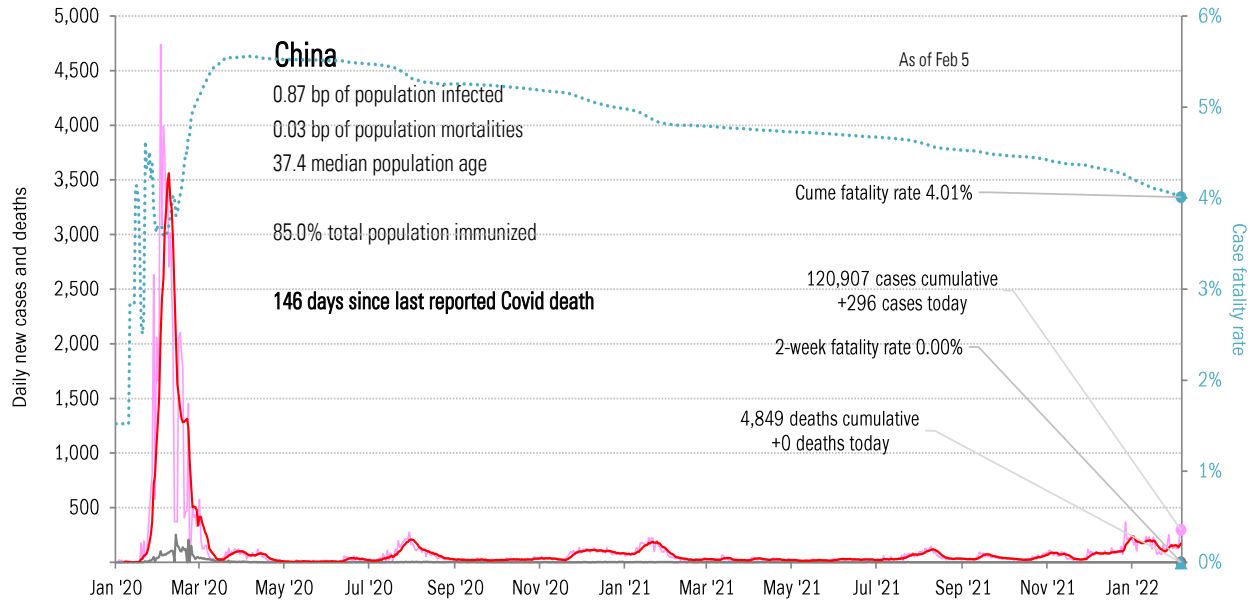
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

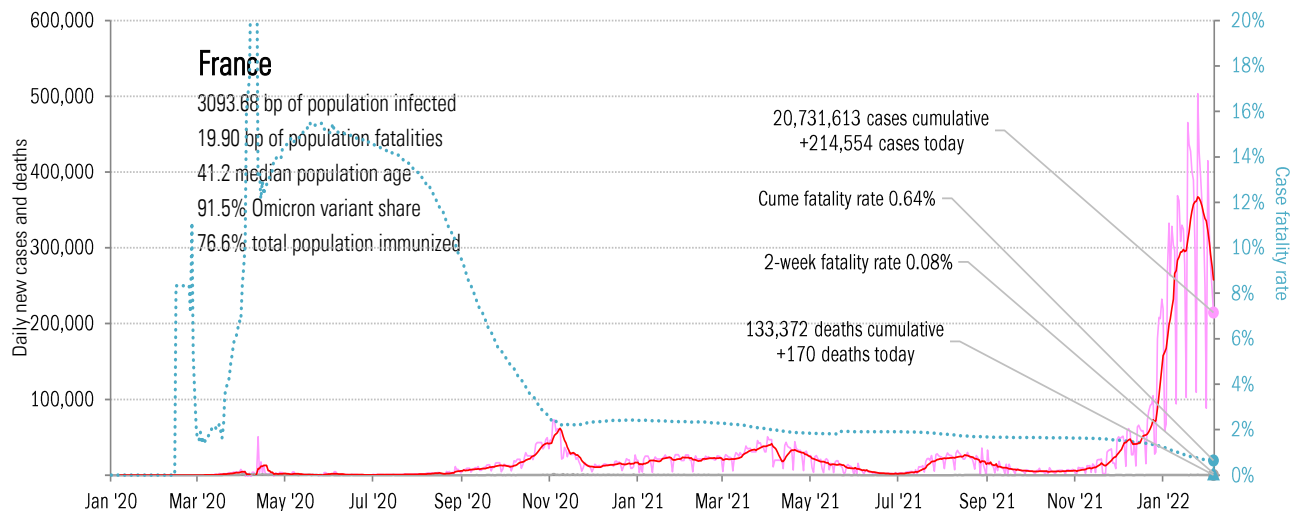
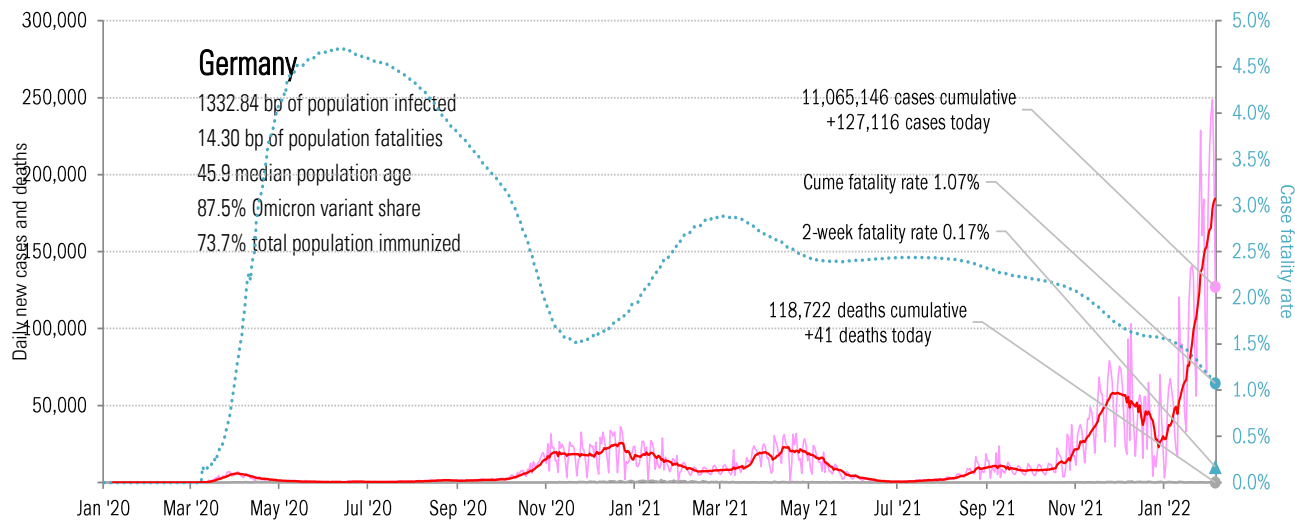
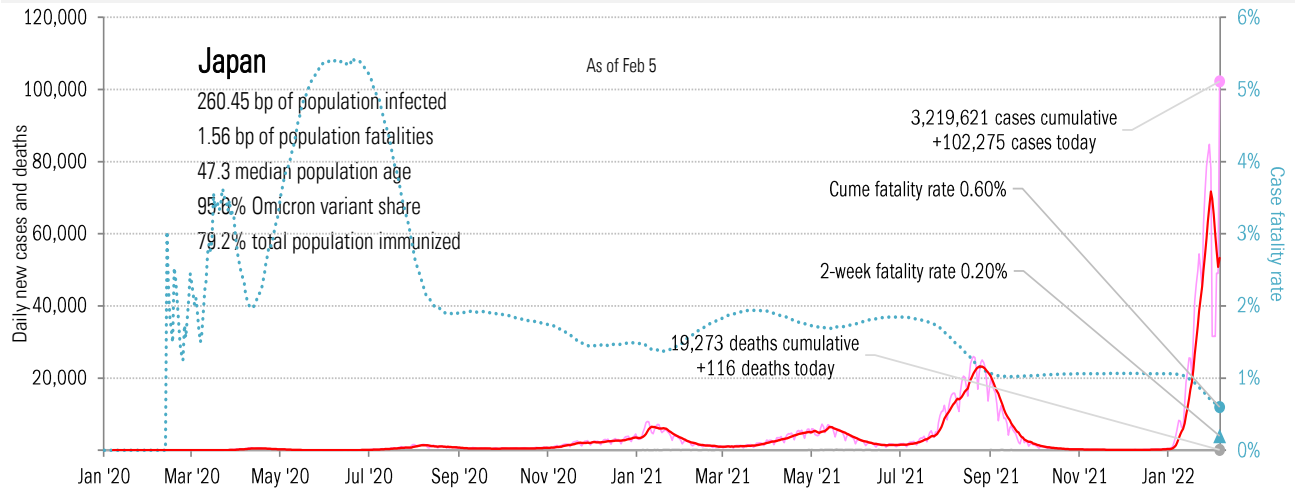
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# Impact in the largest economies

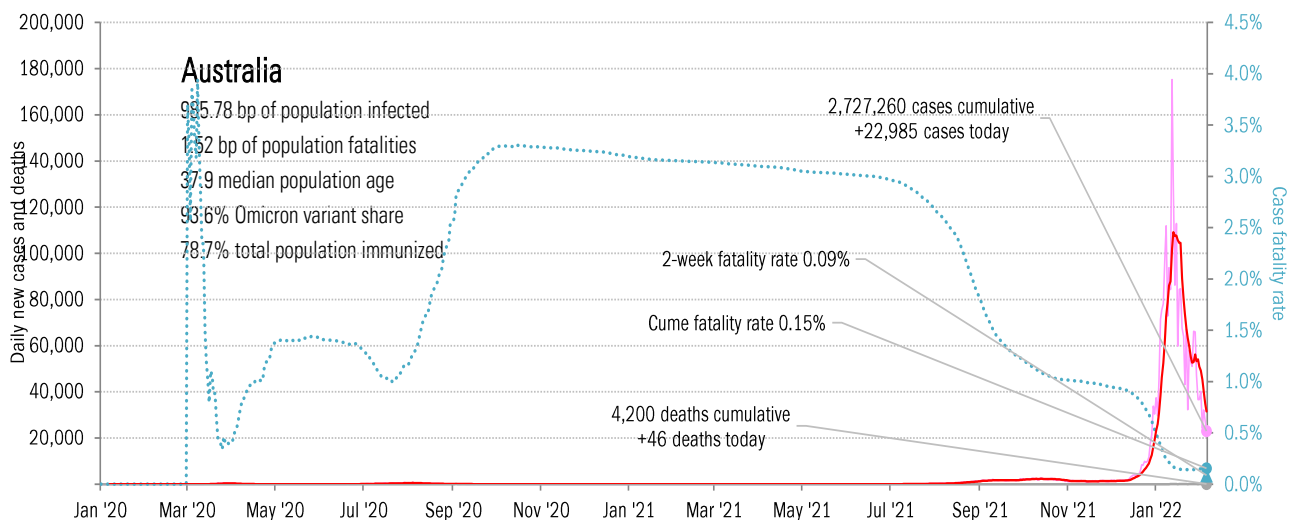
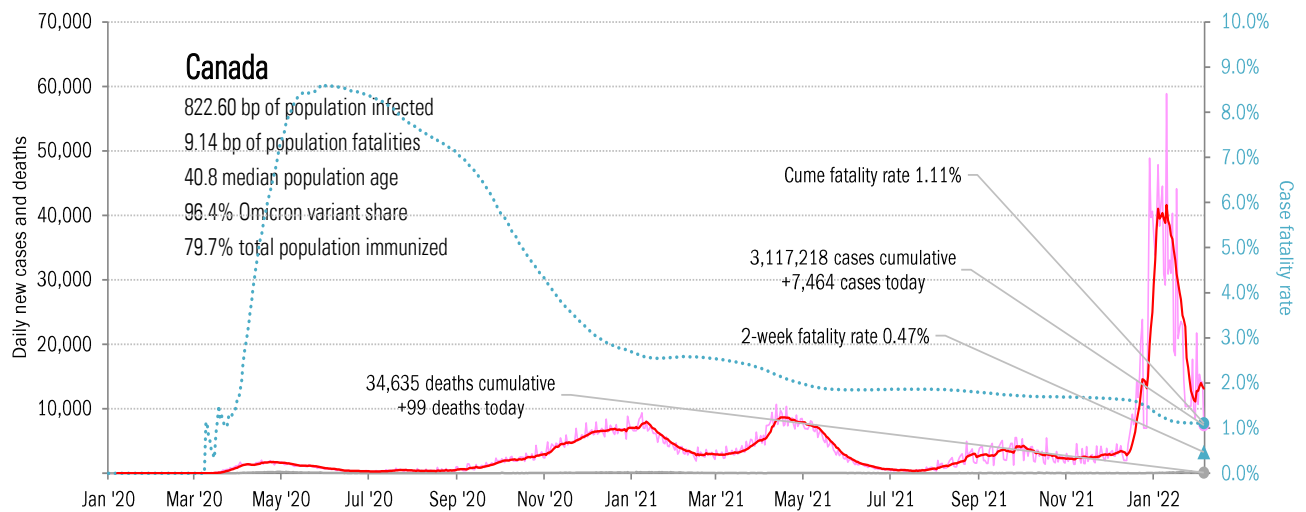
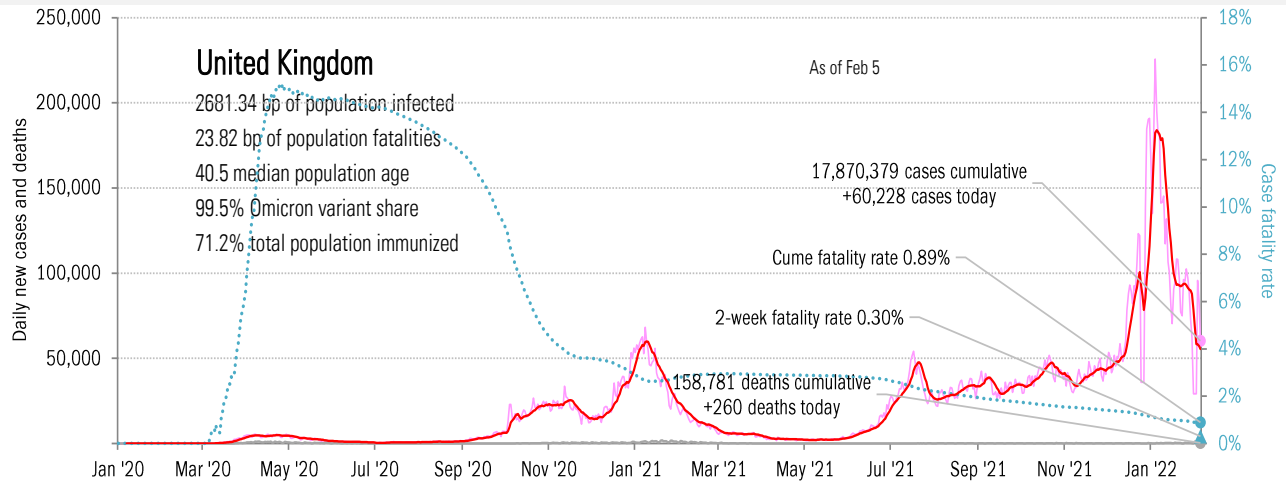
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

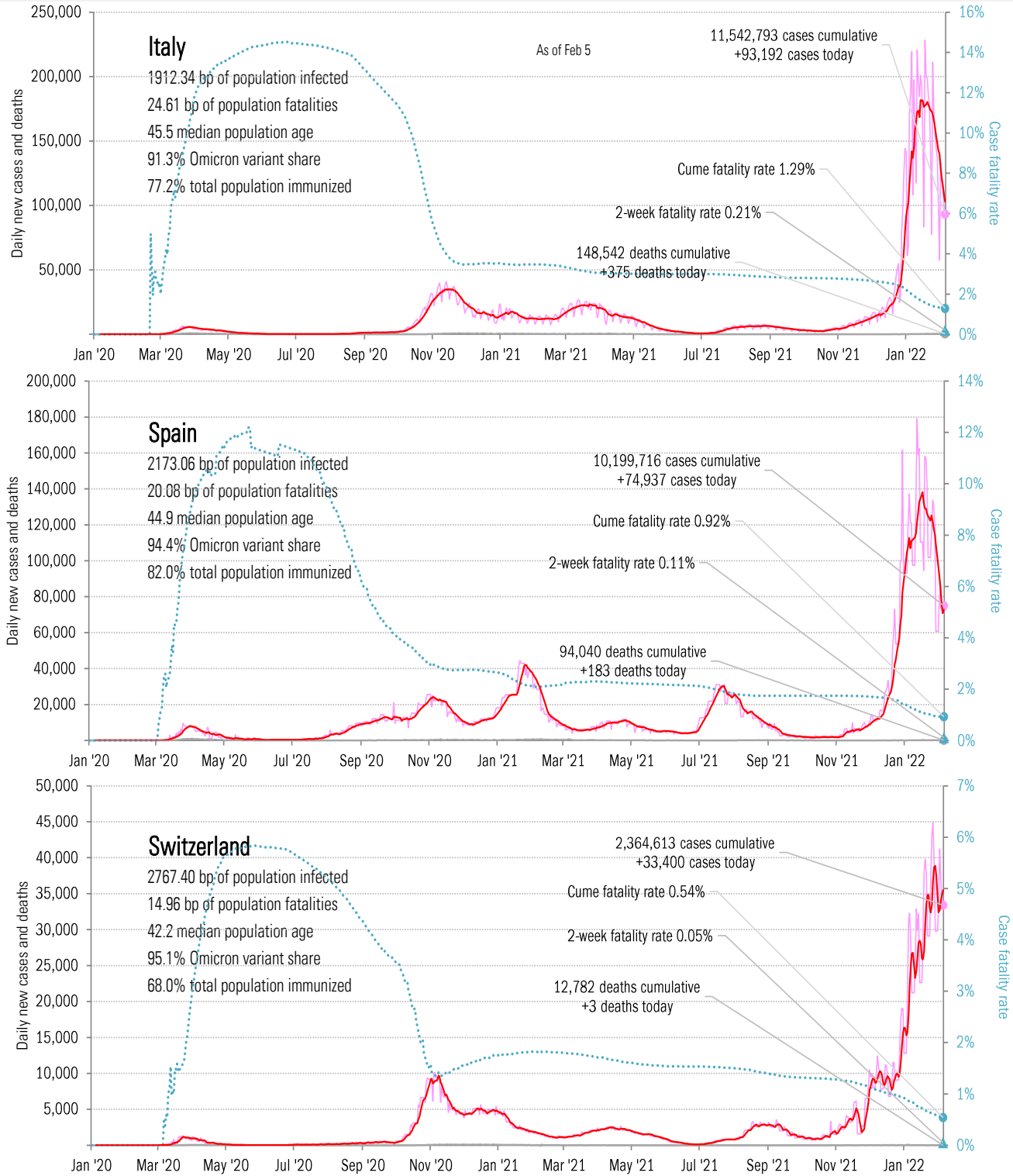


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

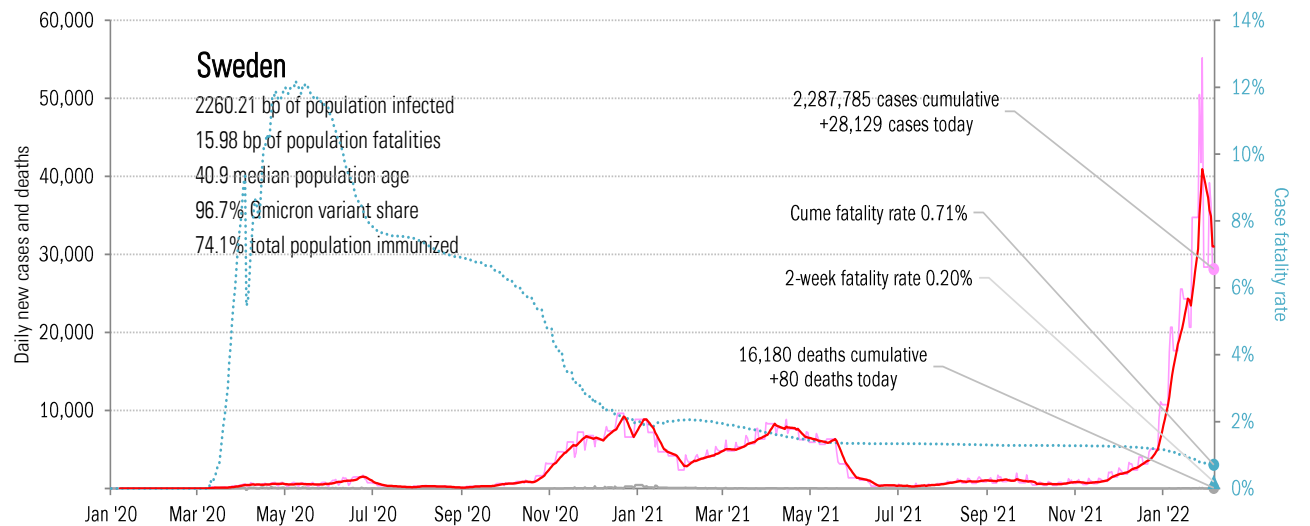
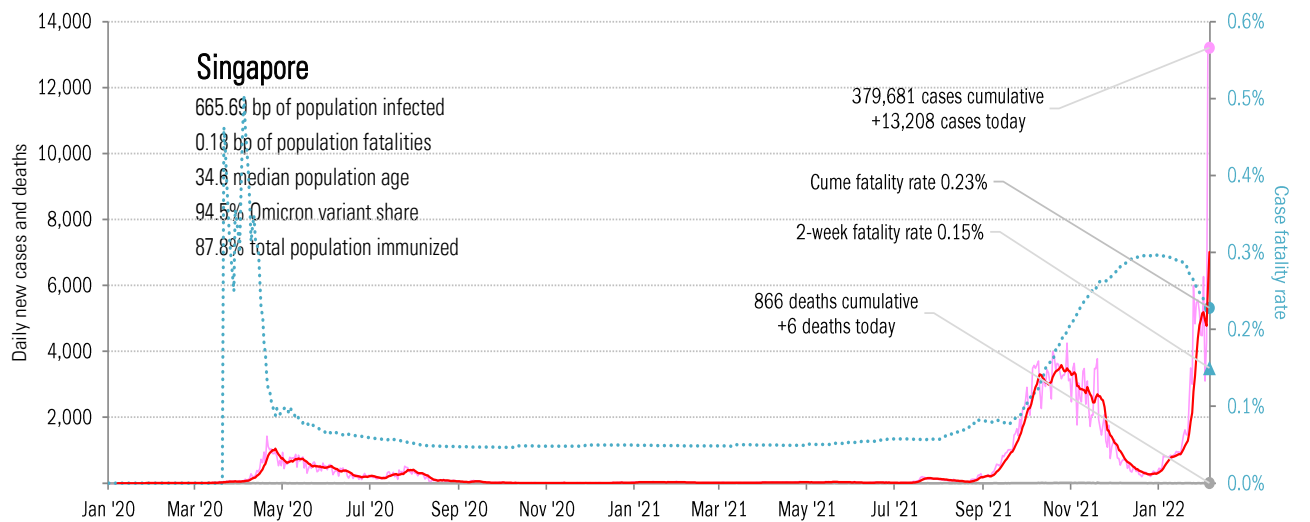
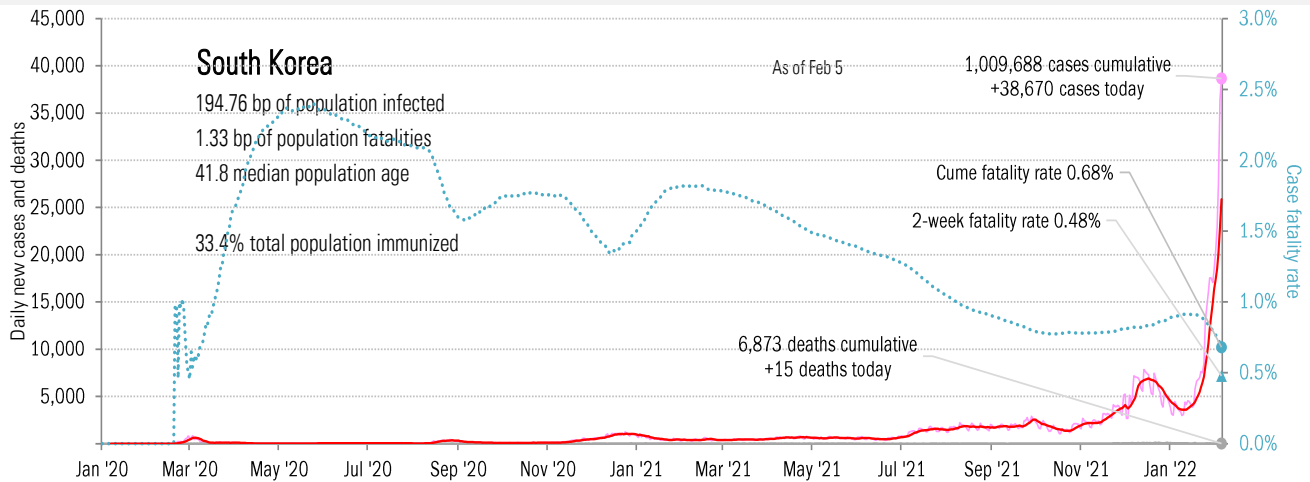
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

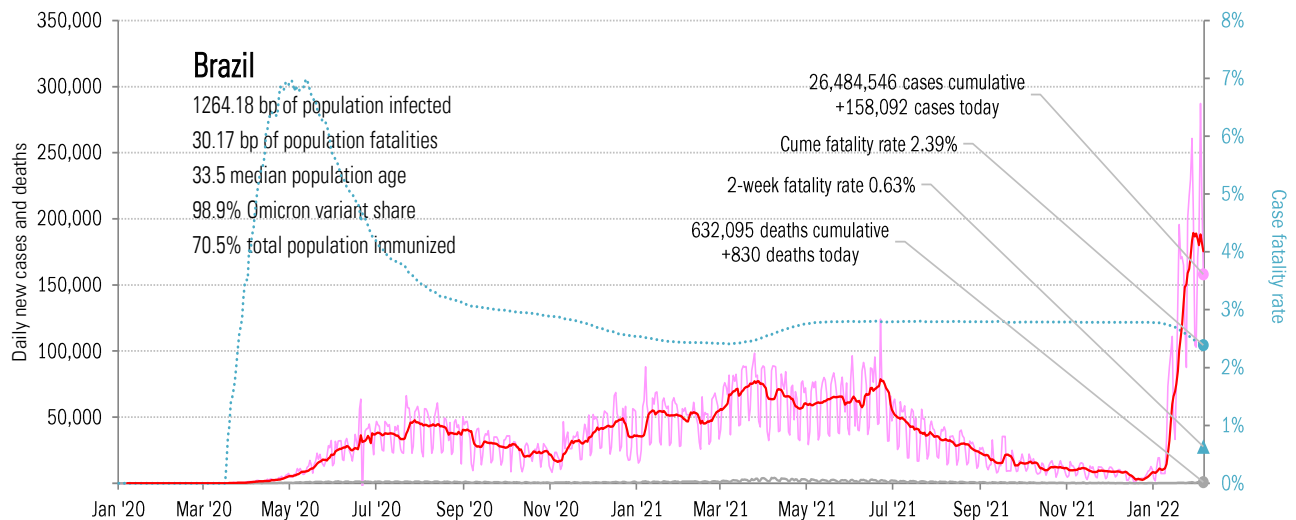
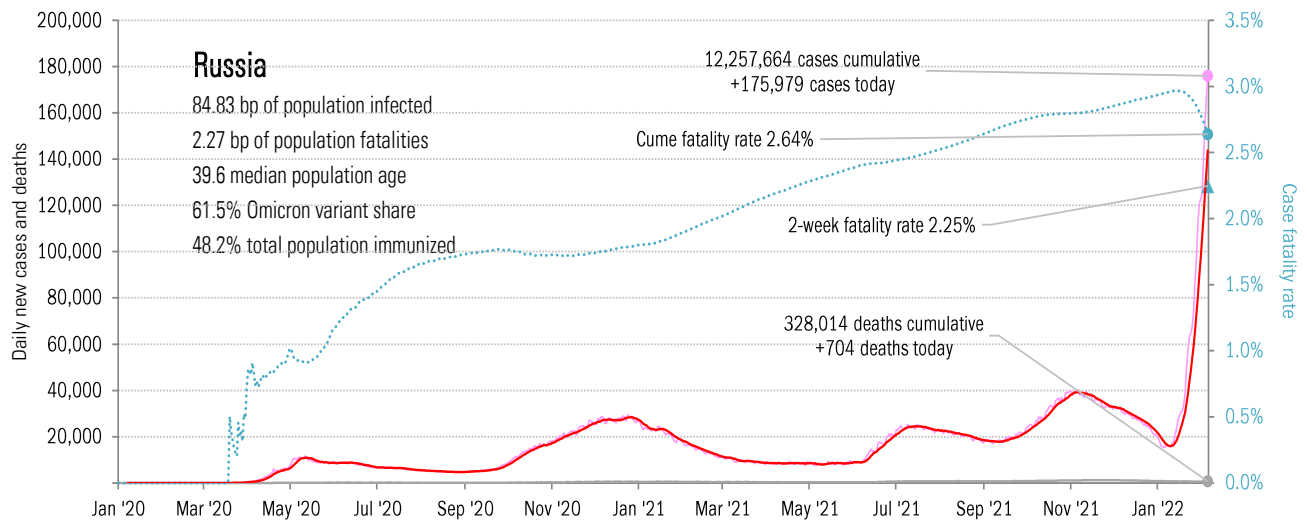
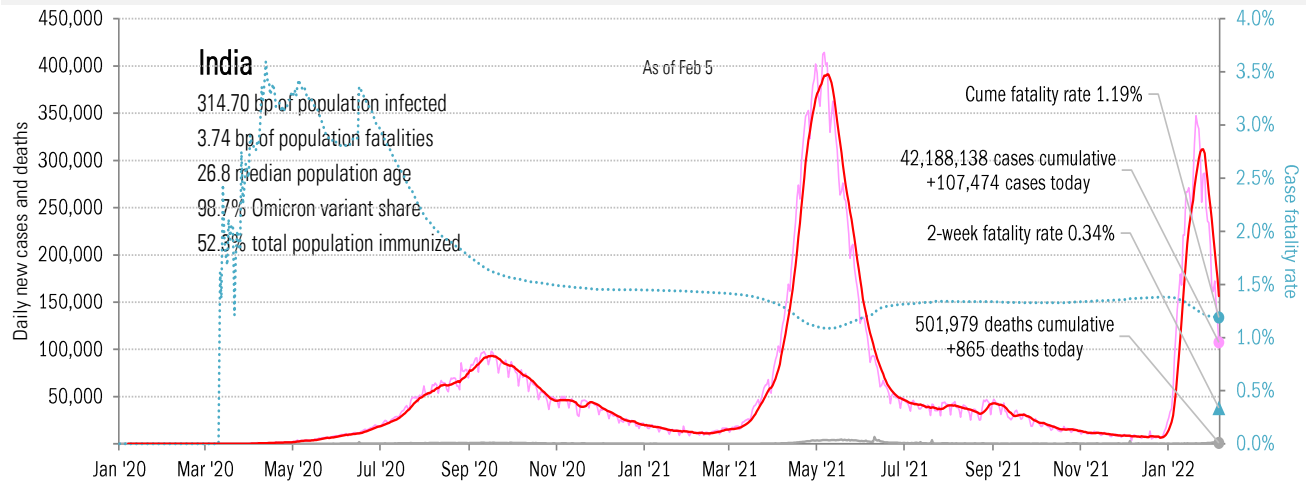
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

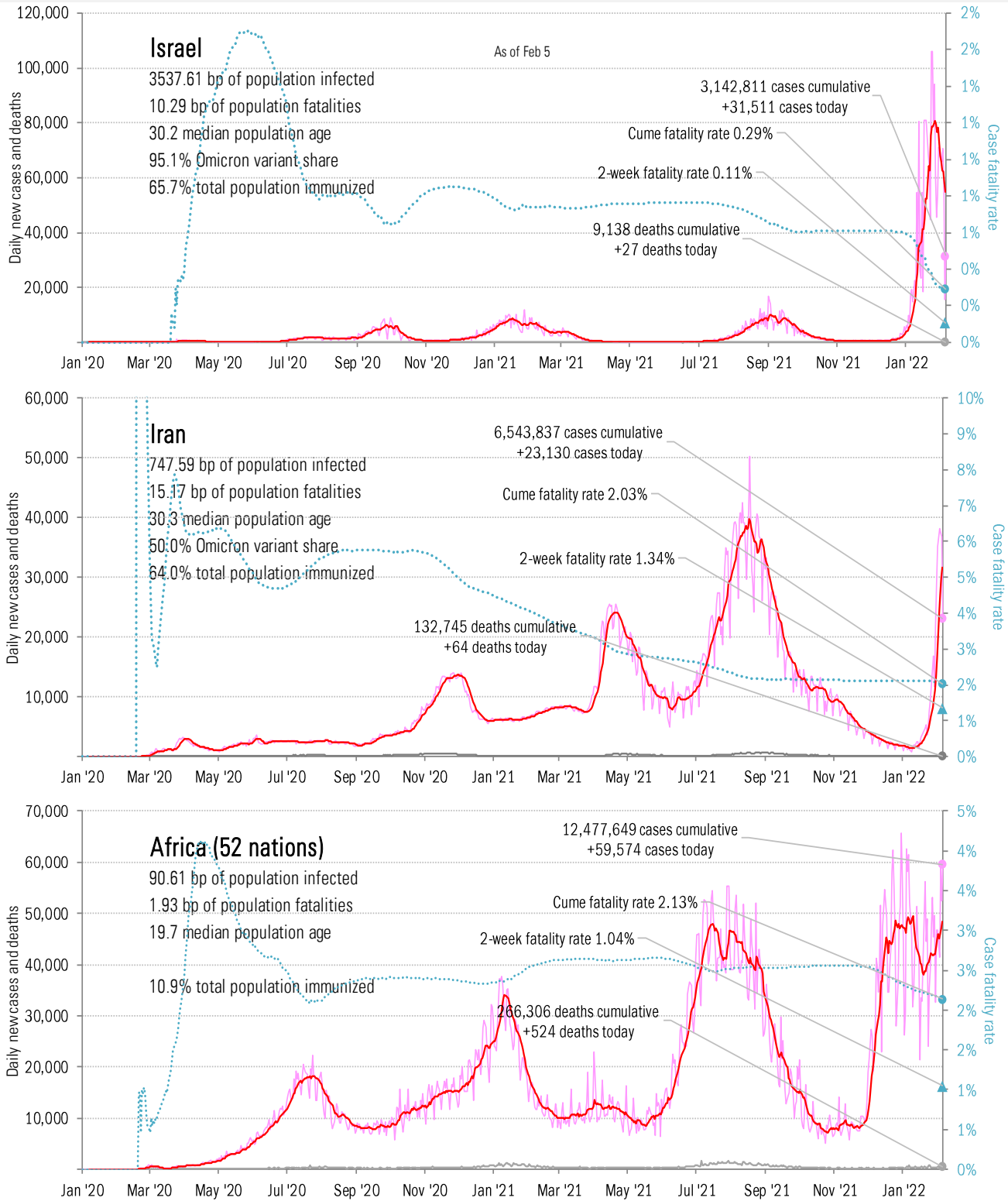
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

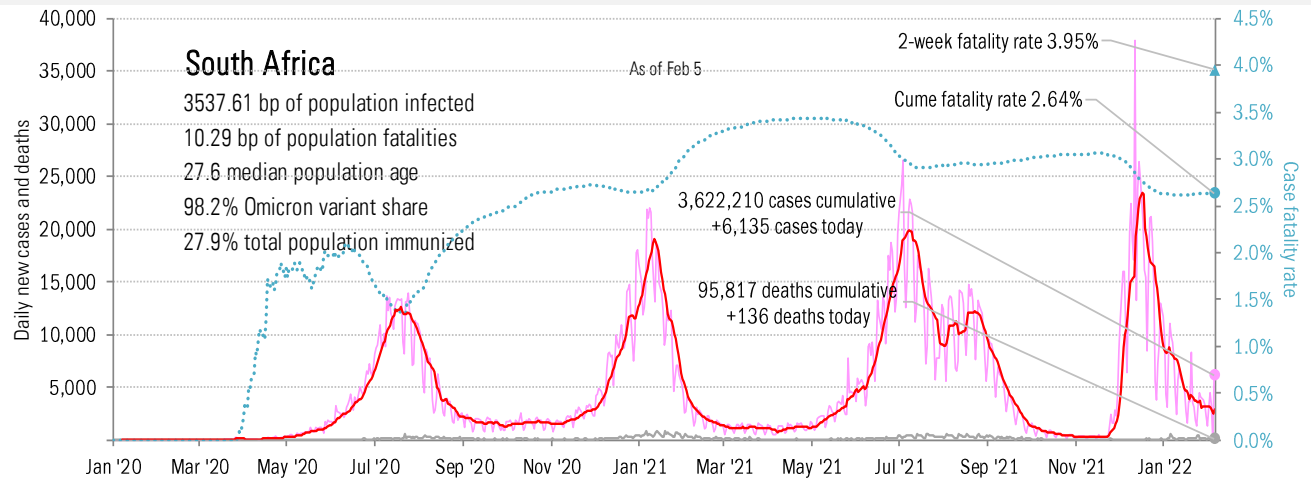
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations