

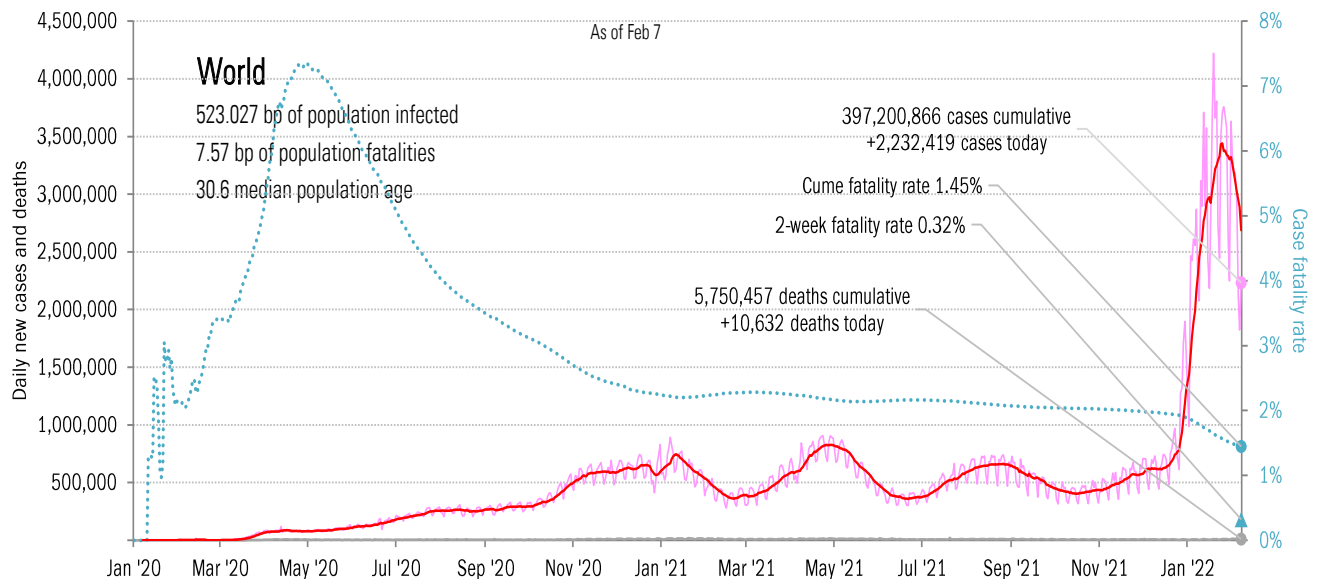
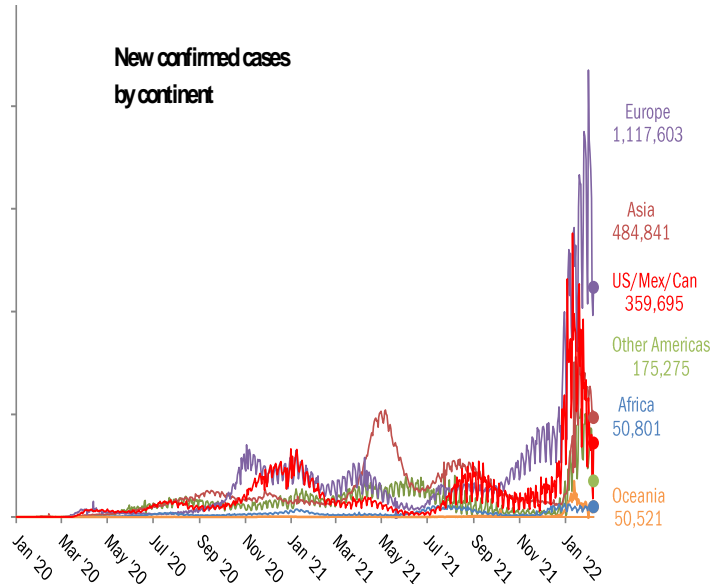
## Data Insights: Covid-2019 Monitor

Tuesday, February 8, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries				
	New cases		New Deaths	
	United States	334,630	United States	2,895
	Spain	195,755	India	1,188
	Russia	170,532	Russia	600
	Turkey	96,514	Spain	530
	Netherlands	77,729	Brazil	432
	Brazil	69,615	France	417
	Switzerland	68,652	Italy	326
	Japan	67,939	Argentina	259
	India	67,597	Turkey	236
	United Kingdom	64,642	Colombia	235
		1,213,605		7,118
	World	2,232,419	World	10,632
	Top ten	54%	Top ten	67%



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

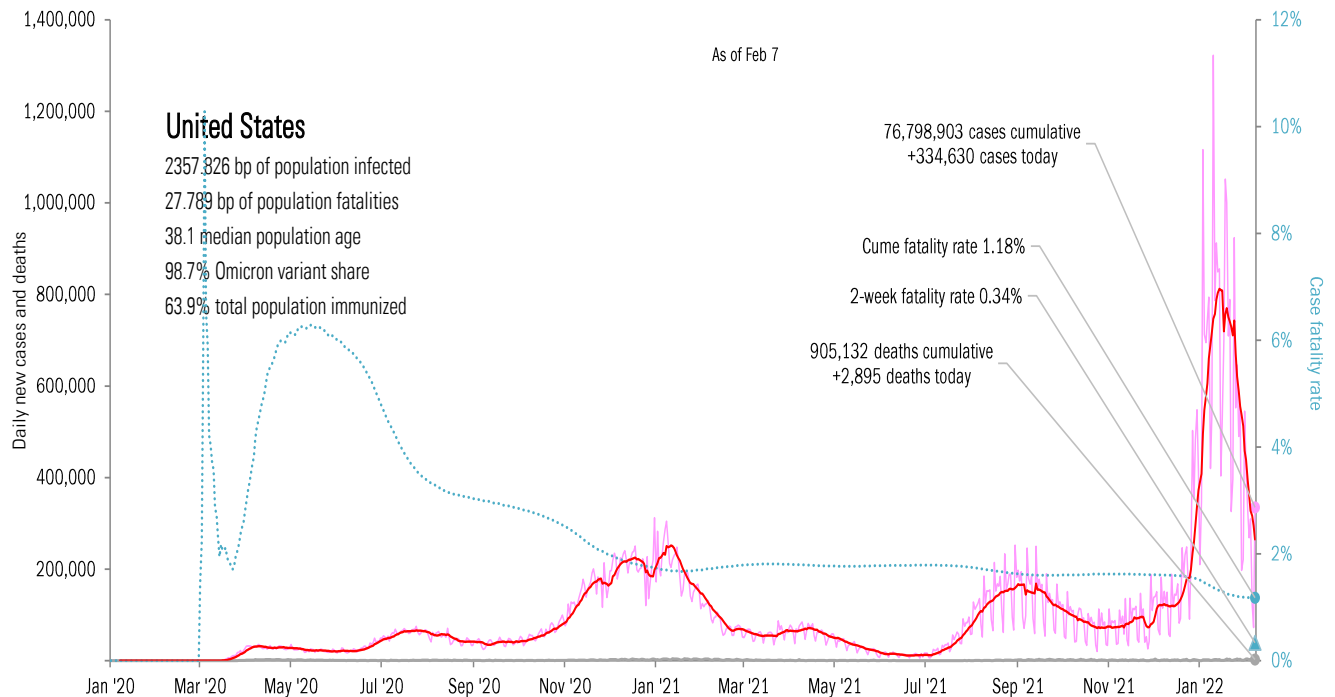
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use		
CA	47,953		VA	404		GA	64		CA	8,675,356		CA	81,350		TX	466,554		RI	87%		TX	93%
NC	24,067		CA	285		MA	38		TX	6,436,262		TX	80,771		CA	400,037		GA	87%		AL	92%
FL	20,736		CO	202		UT	30		FL	5,627,093		FL	66,052		FL	397,249		NV	86%		NM	90%
TX	19,500		IL	187		NC	29		NY	4,856,199		NY	65,831		NY	236,107		MA	86%		CK	89%
MS	16,595		FL	171		NY	15		IL	2,971,516		PA	41,585		GA	196,646		MN	85%		KY	88%
WA	15,019		NC	152		CT	14		PA	2,707,891		CH	34,217		CH	183,268		WA	85%		AR	88%
SC	14,606		GA	143		RI	14		CH	2,612,719		IL	33,916		PA	168,584		MD	82%		RI	88%
IL	13,953		SC	138		NH	7		NC	2,494,309		GA	33,545		IL	150,421		NC	81%		GA	88%
KY	12,288		WA	132		ME	5		GA	2,414,929		MI	32,911		MI	134,670		WV	81%		NV	88%
VA	12,226		IN	100		WY	5		MI	2,306,153		NJ	31,987		KY	134,234		MO	81%		MS	88%
196,943			1,914			221			41,102,427			502,165			2,467,770							
All states	334,630		2,895			-2,020			All states	76,798,903		905,132			4,467,848			All states	70%		67%	
Top ten	59%		66%			-11%			Top ten	53%		56%			55%			Median	77%		80%	

Some states not reporting

## Five most improved US states

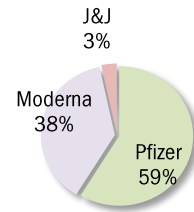
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NY	-3,259	NY	-63	TX	-140	AZ	+10 bp
AZ	-1,963	MD	-12	MS	-73	CO	+10 bp
FR	-1,471	AZ	-11	MO	-55	IL	+10 bp
NJ	-685	H	-4	NV	-55	KS	+10 bp
MD	-352	FR	-4	CK	-44	KY	+10 bp



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	557,287,255		+0.400 million	US	63.9%	75.7%
Boosters	91,207,679		+0.177 million	UK	71.3%	76.9%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	258,727,680	77%	218,997,926	66%	+0.114 million	France 76.8% 79.9%
Age 12 to 17	17,072,131	67%	14,448,517	57%	+0.014 million	Spain 82.0% 87.6%
Age 18 to 64	174,552,997	86%	147,755,133	73%	+0.051 million	Germany 73.8% 75.3%
Age 65 and over	58,023,756	100%	50,166,347	92%	+0.004 million	Italy 77.3% 83.7%
						Australia 78.7% 84.7%
						Israel 65.7% 72.0%
						Canada 79.9% 85.2%
						Japan 79.3% 80.5%
						Africa 11.0% 16.3%
						India 52.4% 68.3%
						Brazil 70.6% 80.7%
						China 85.0% 87.7%



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



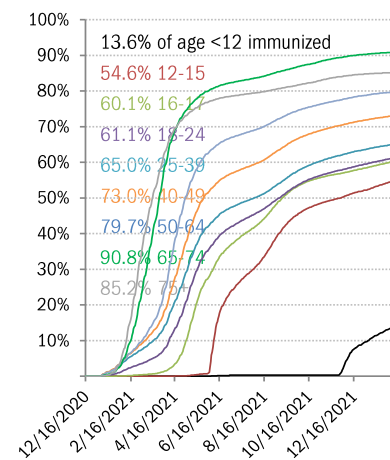
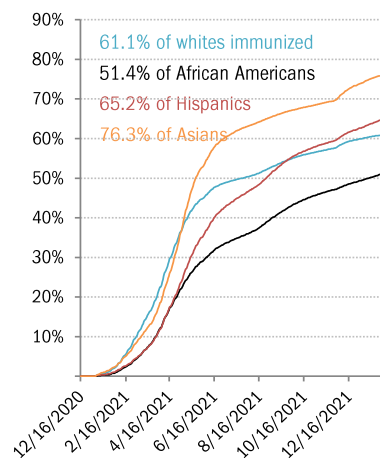
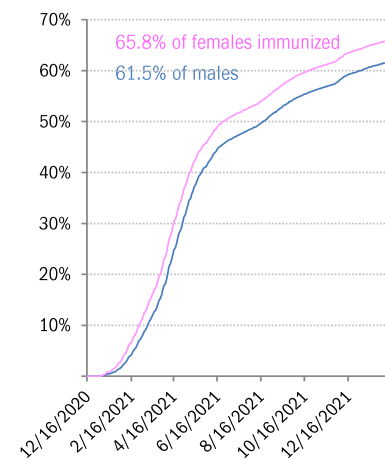
AK
68.1%
59.8%

\*Immunity\* = two doses

As of Feb 7

					WI						ME
					70.6%						88.7%
					63.9%						77.7%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH	
79.0%	59.8%	64.0%	64.1%	73.8%	75.6%	65.4%		88.0%	92.4%	95.0%	
70.3%	52.5%	55.4%	54.1%	67.4%	66.6%	58.5%		74.6%	79.6%	69.1%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA		
76.4%	73.3%	57.5%	74.2%	66.8%	60.2%	62.5%	82.5%	88.0%	95.0%		
68.1%	58.9%	50.0%	59.2%	60.6%	53.5%	57.0%	66.2%	73.3%	76.7%		
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI	
80.9%	70.3%	77.7%	68.9%	64.8%	64.8%	63.7%	83.5%	84.1%	93.1%	95.0%	
69.5%	61.1%	68.5%	61.8%	54.5%	55.9%	56.3%	70.9%	73.0%	77.0%	79.4%	
	AZ	NM	KS	AR	TN	NC	SC	DC	DE		
	70.6%	85.0%	72.8%	65.2%	60.8%	81.4%	66.0%	93.8%	80.8%		
	59.3%	68.7%	59.4%	52.9%	52.9%	58.7%	55.2%	70.4%	66.6%		
			OK	LA	MS	AL	GA				
			69.4%	59.7%	58.3%	61.4%	63.9%				
			55.4%	52.1%	50.3%	49.7%	53.1%				
			TX								
			70.0%								
			59.2%								
								FL			
								77.5%			
								65.4%			
									PR		
									93.8%		
									79.9%		

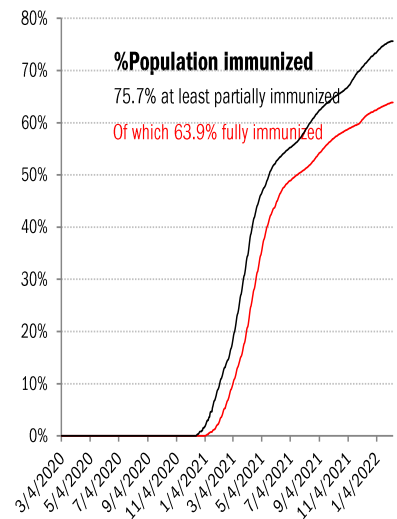
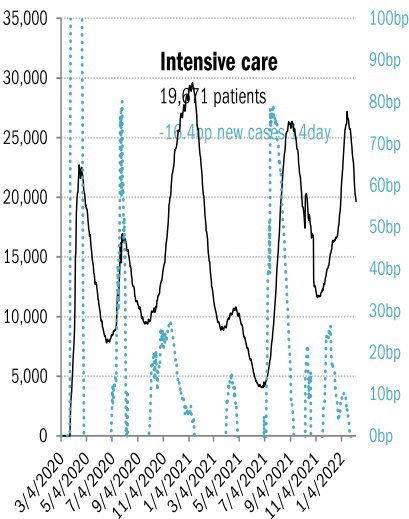
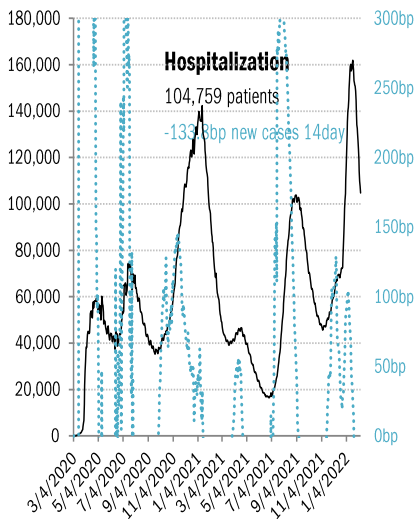
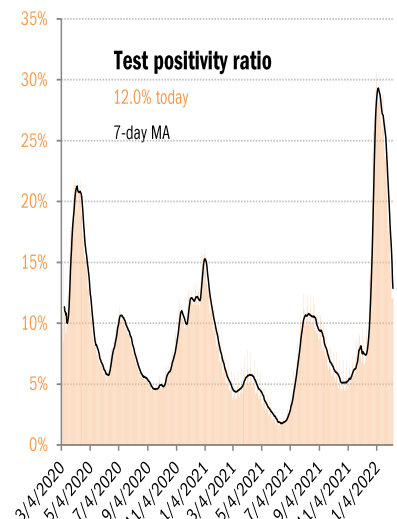
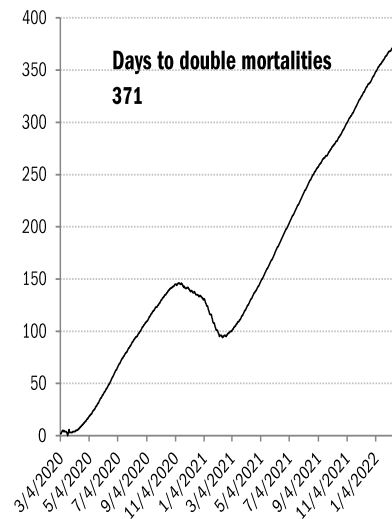
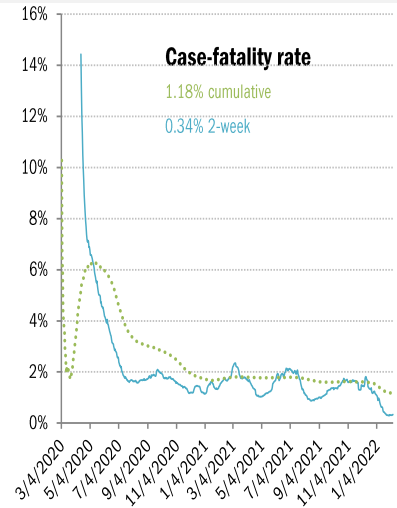
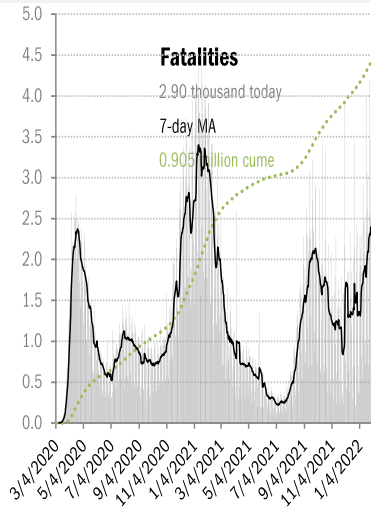
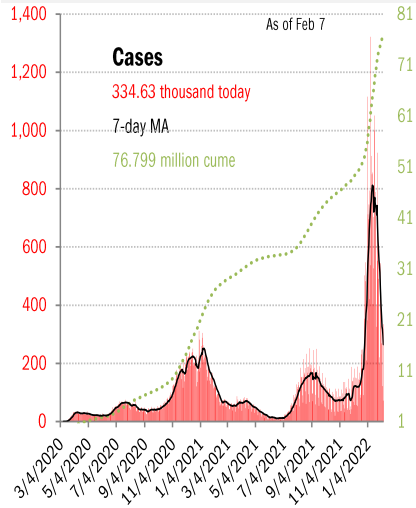
## The demographics of US vaccination



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

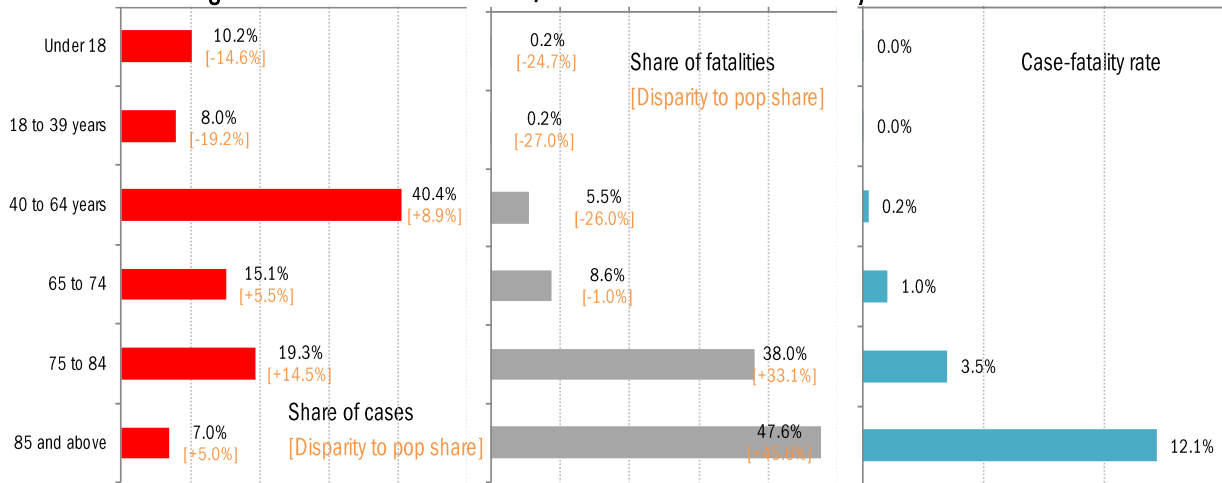
# US deep-dive

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

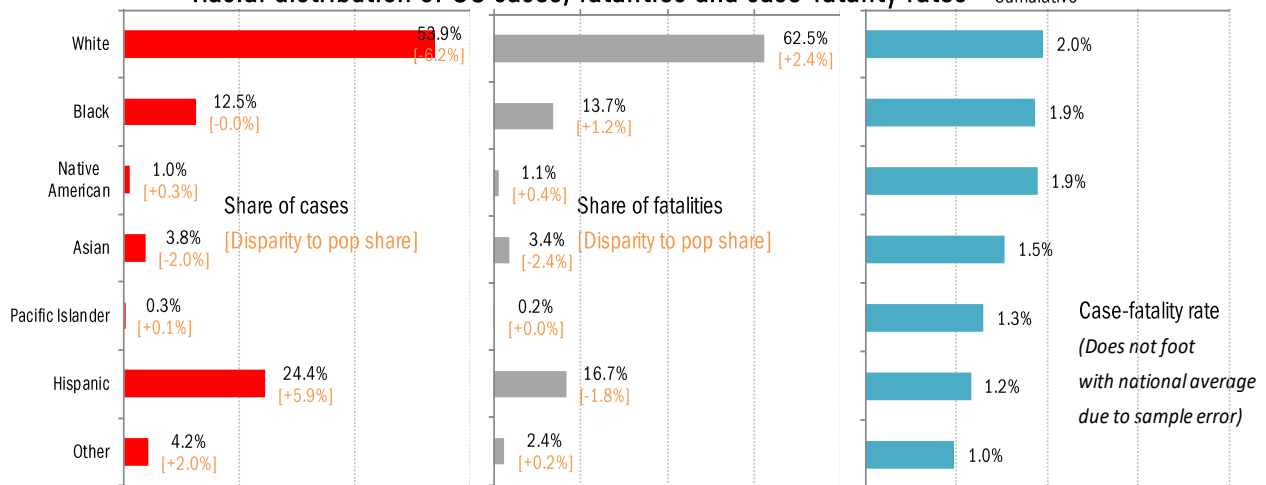


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

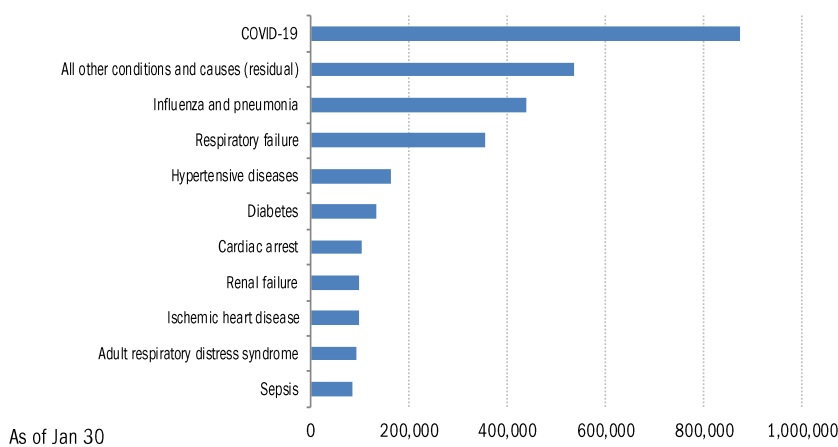


Racial distribution of US cases, fatalities and case-fatality rates



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

### [Does Exposure to Omicron Help Our Immunity, Even If We Don't Get Sick?](#)

Sumathi Reddy  
*Wall Street Journal*  
February 7, 2022

### [Biden's top science adviser, Eric Lander, resigns amid reports of bullying](#)

Alex Thompson  
*Politico*  
February 7, 2022

### [Covid Patients Suffer as the Biden Administration Tries to Practice Medicine](#)

Joel Zinberg  
*Wall Street Journal*  
February 7, 2022

### [White House: Top scientist mistreated staff, apologizes](#)

Zeke Miller  
*AP*  
February 7, 2022

### [Why Boris Johnson's Reversal of Fortune Was So Swift](#)

Gerard Baker  
*Wall Street Journal*  
February 7, 2022

### [Stacey Abrams receives backlash for posing maskless with room full of young masked children](#)

Cameron Cawthorne  
*Fox News*  
February 6, 2022

### [Why public ed melted down](#)

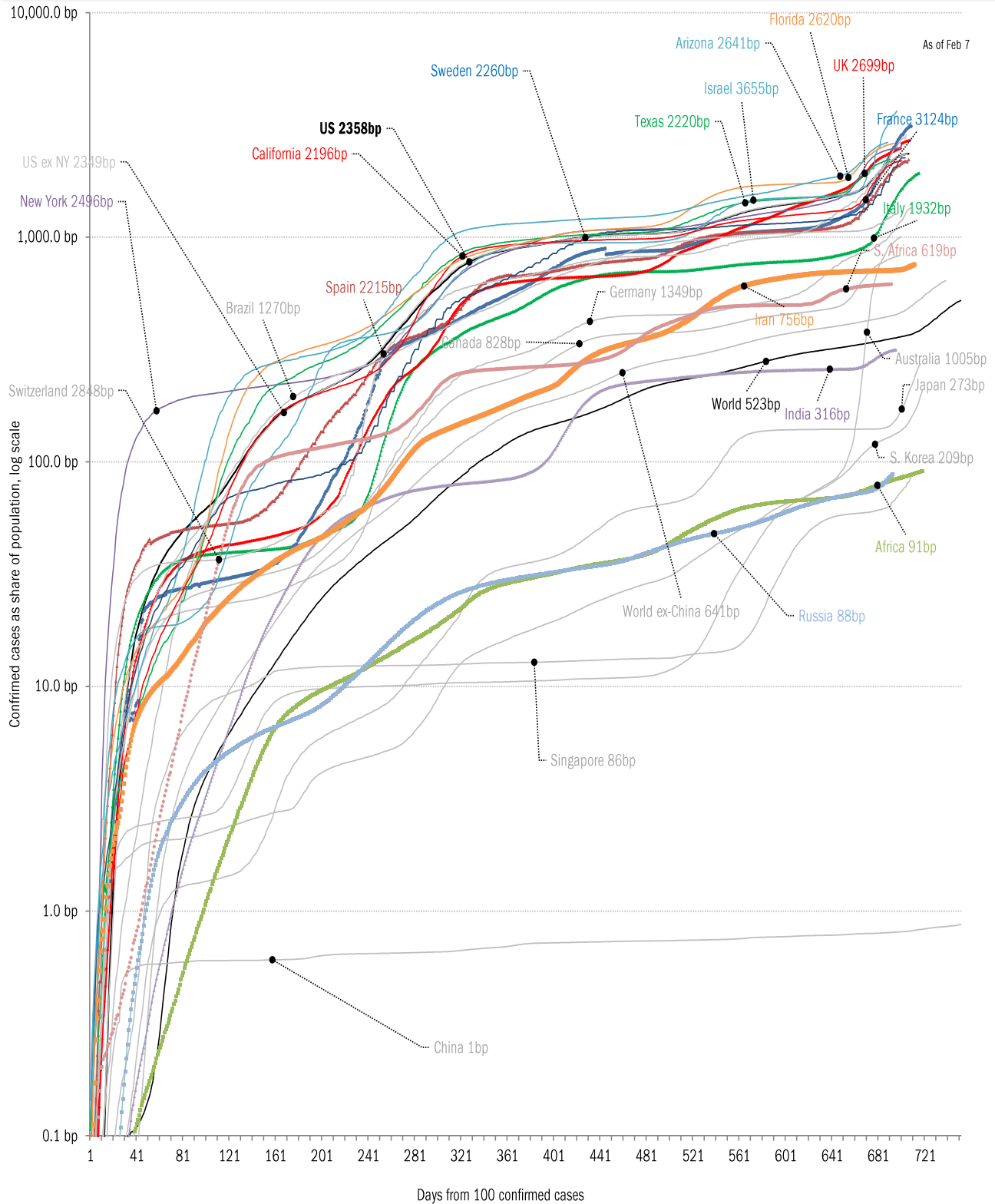
Joanne Jacobs  
*Linking and Thinking on Education*  
February 7, 2022

## Meme of the day



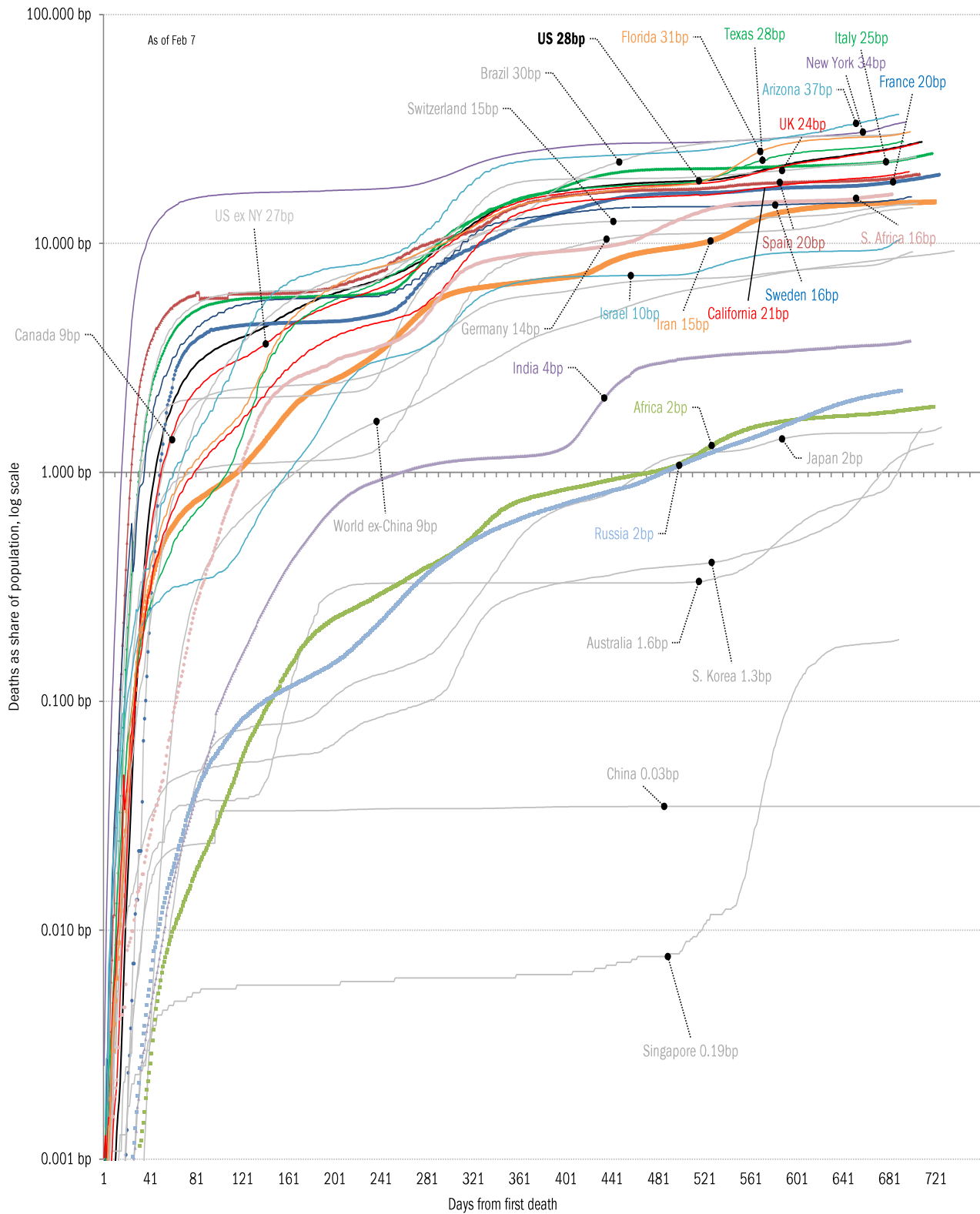
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



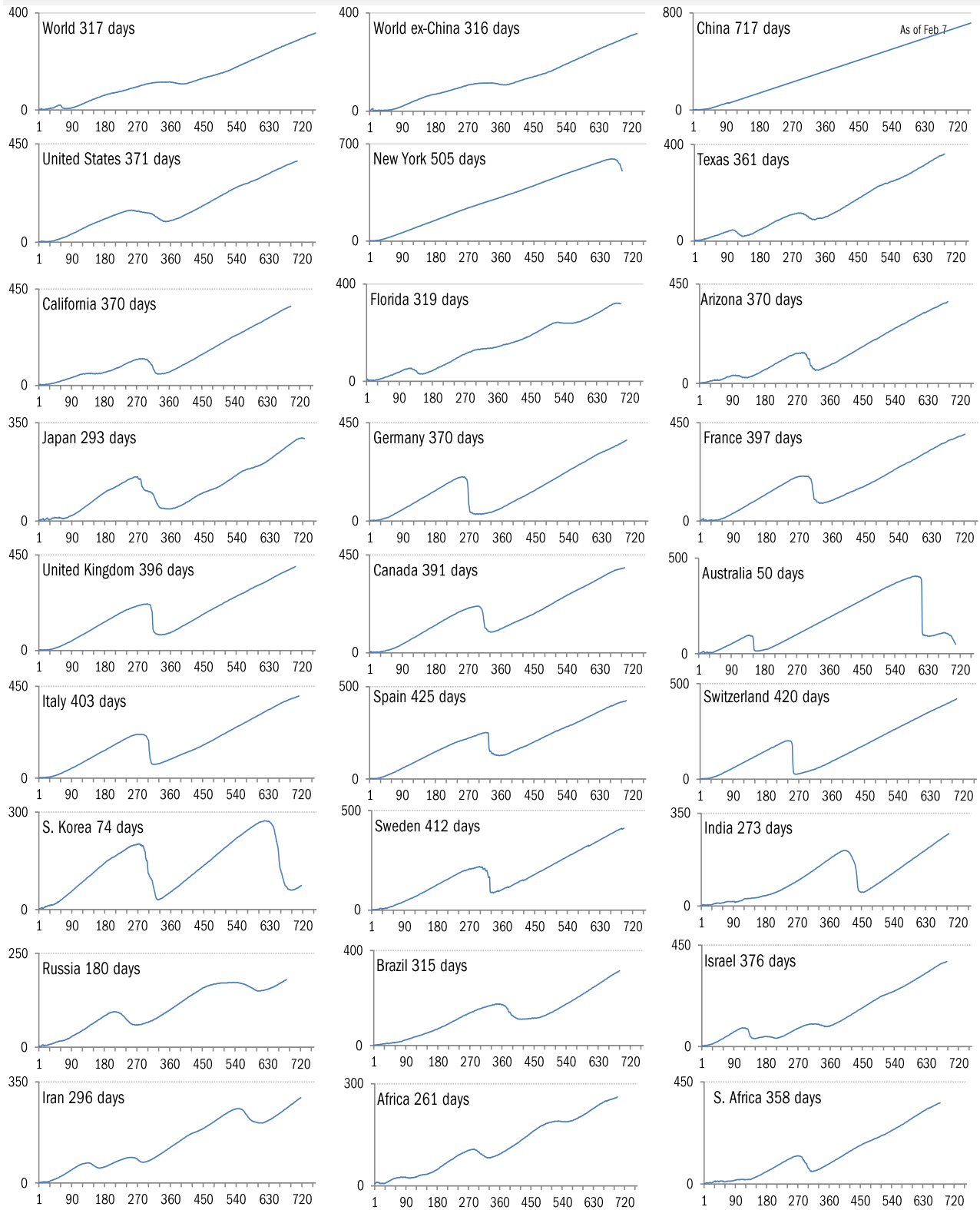
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

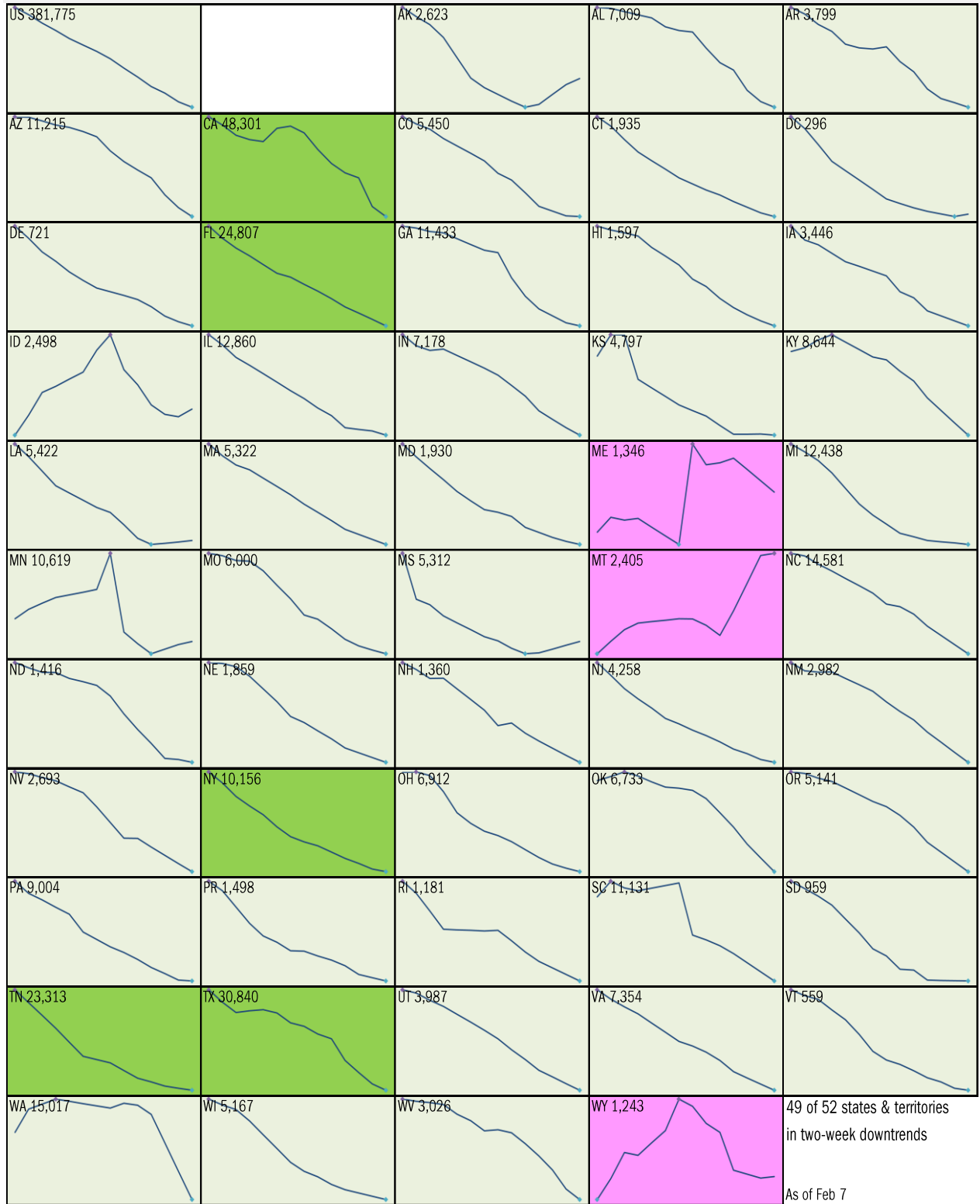


Source: [Johns Hopkins](#), TrendMacro calculations

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

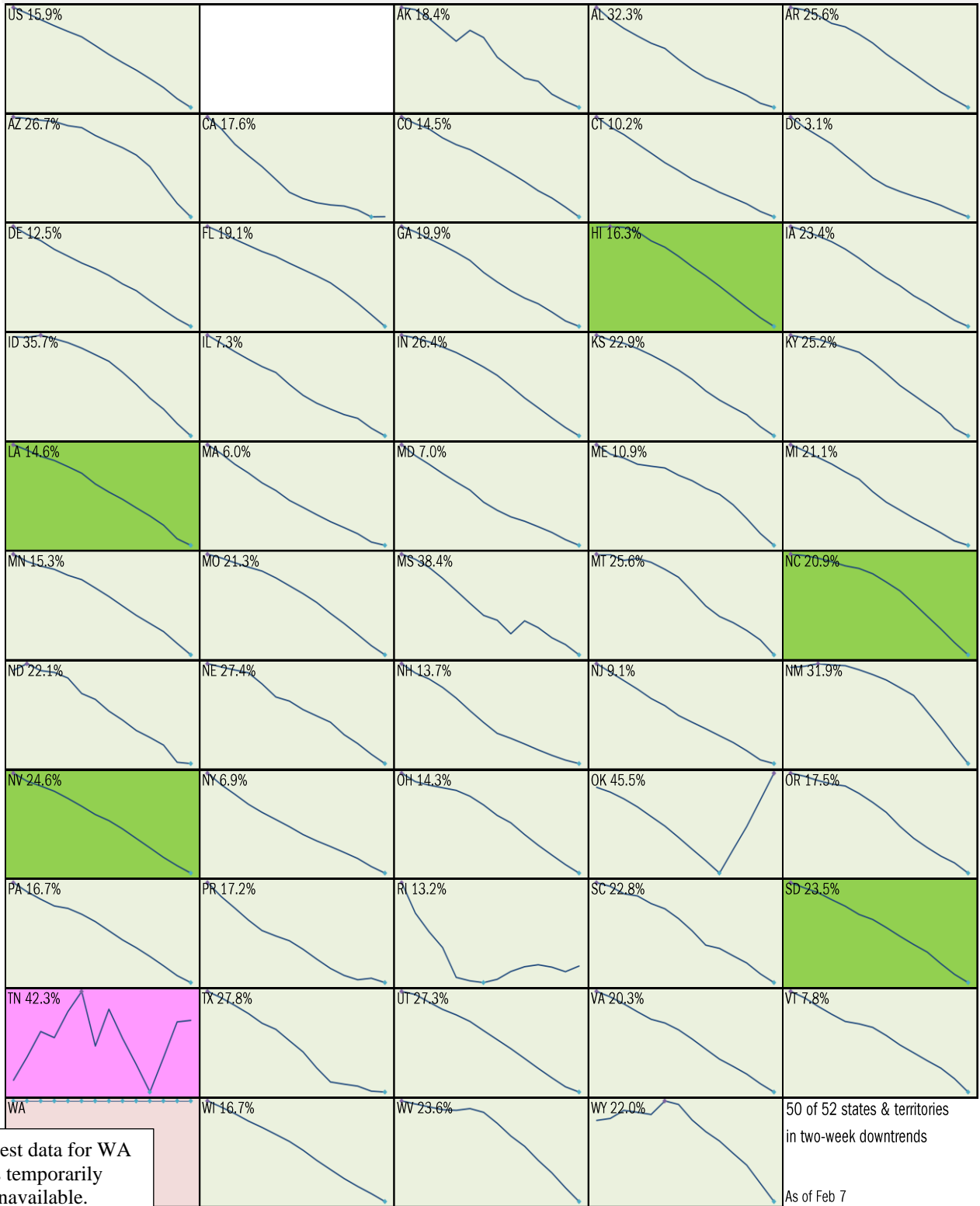


Source: [Johns Hopkins](#), TrendMacro calculations

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



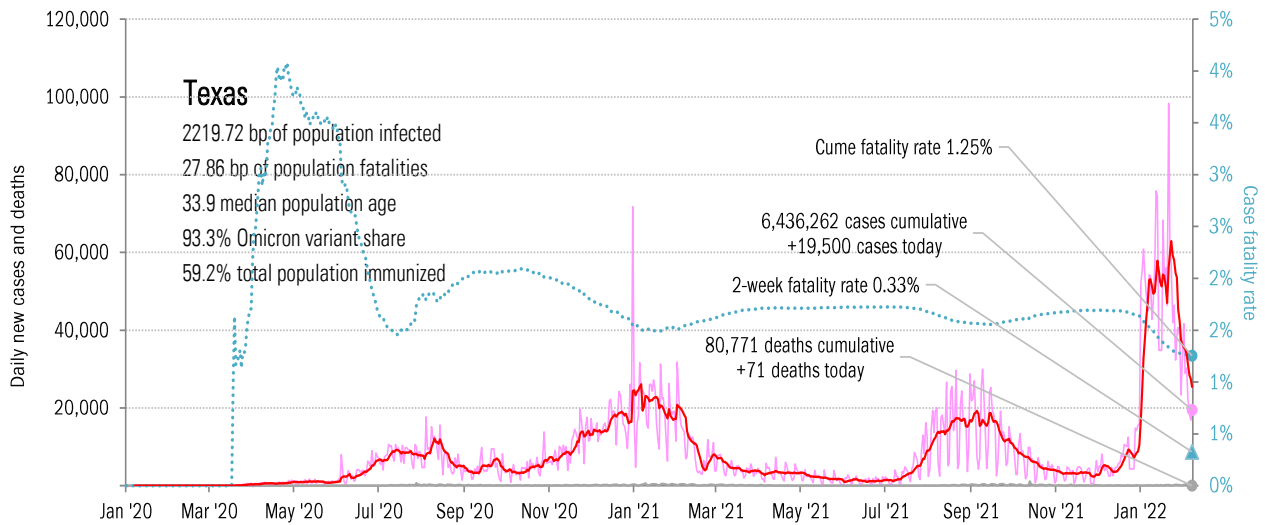
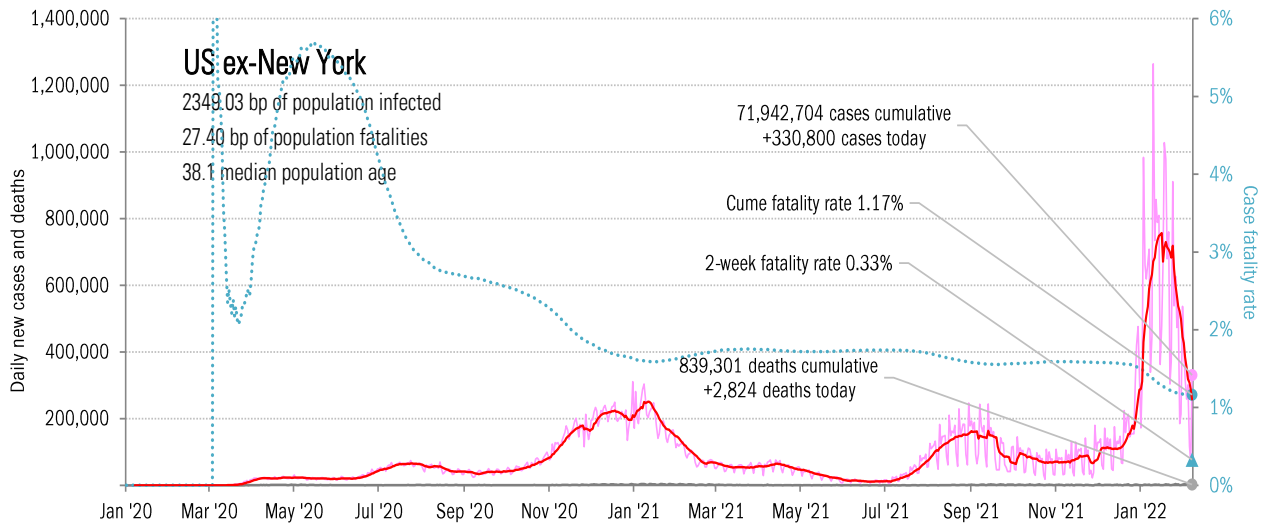
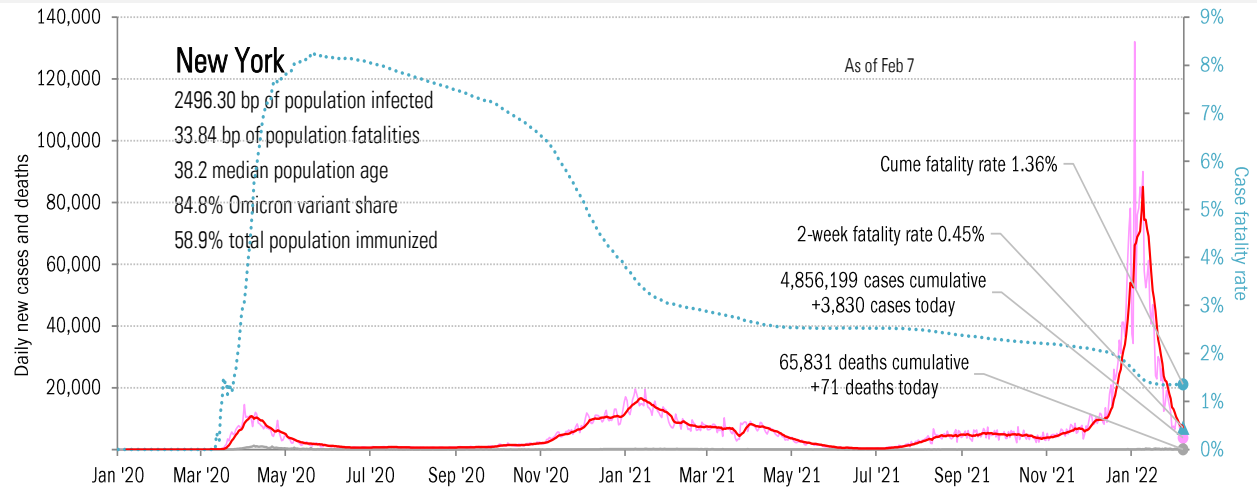
50 of 52 states & territories in two-week downtrends  
As of Feb 7

Test data for WA is temporarily unavailable.

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

# From Ground Zero to the Rio Grande

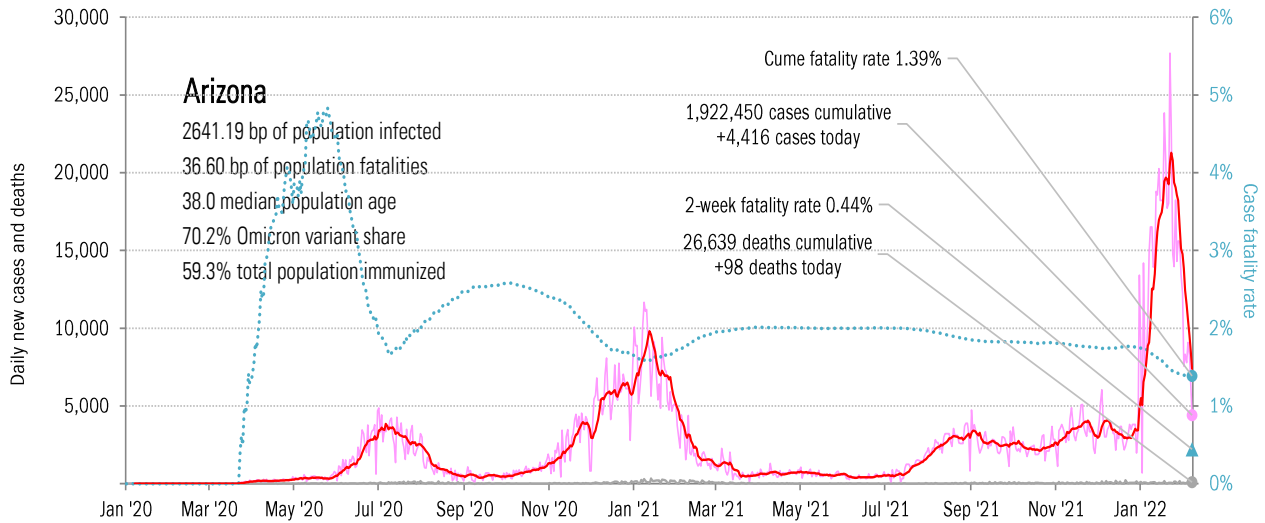
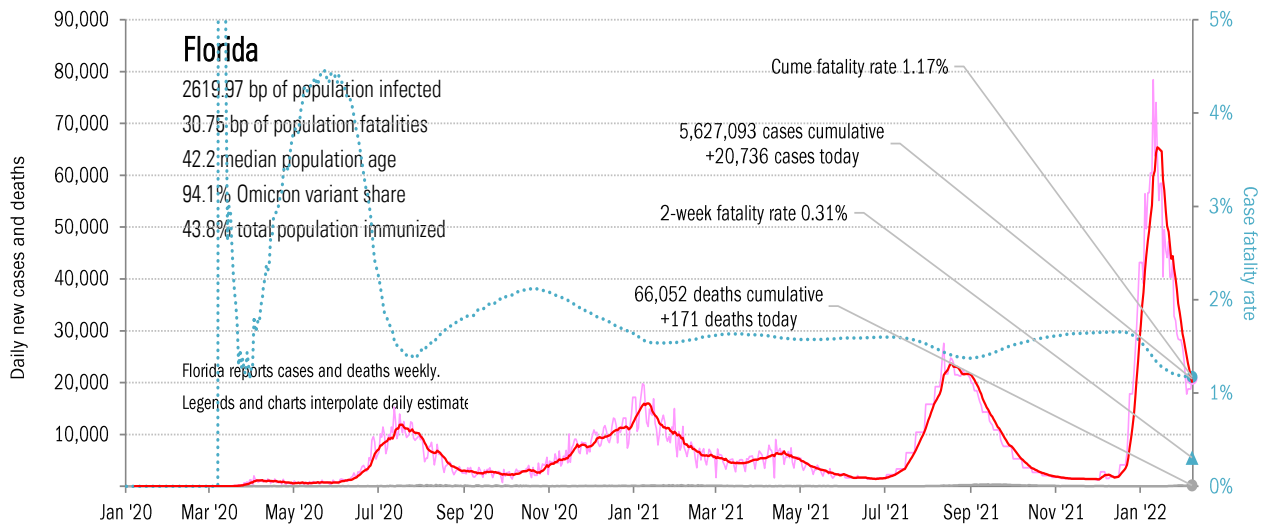
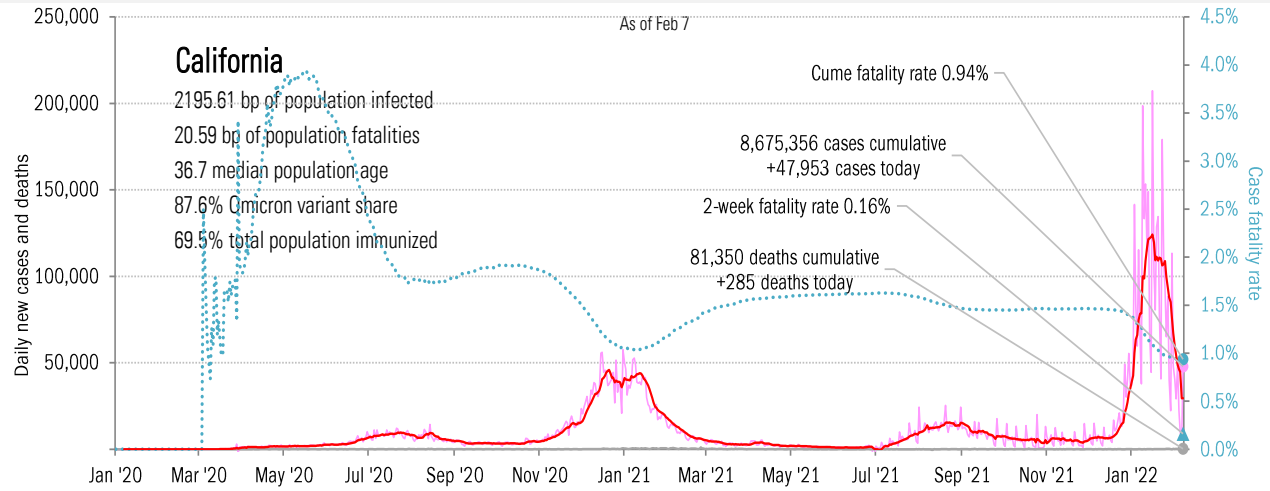
Cases: 7-day average and daily Deaths: Daily



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

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

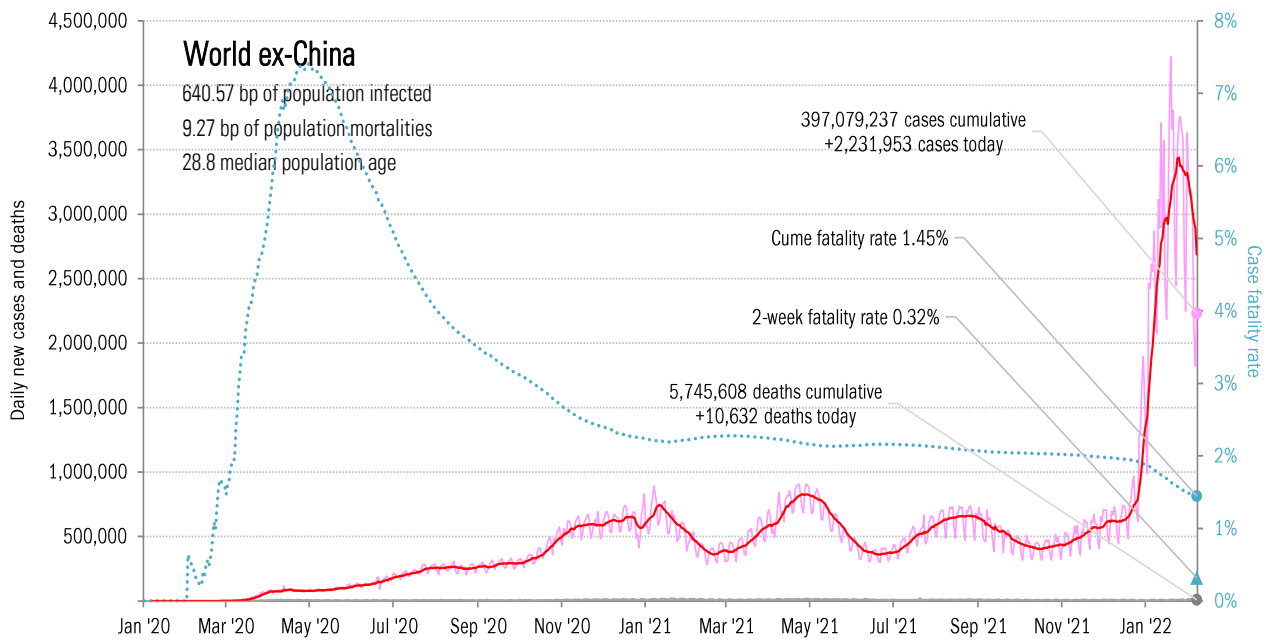
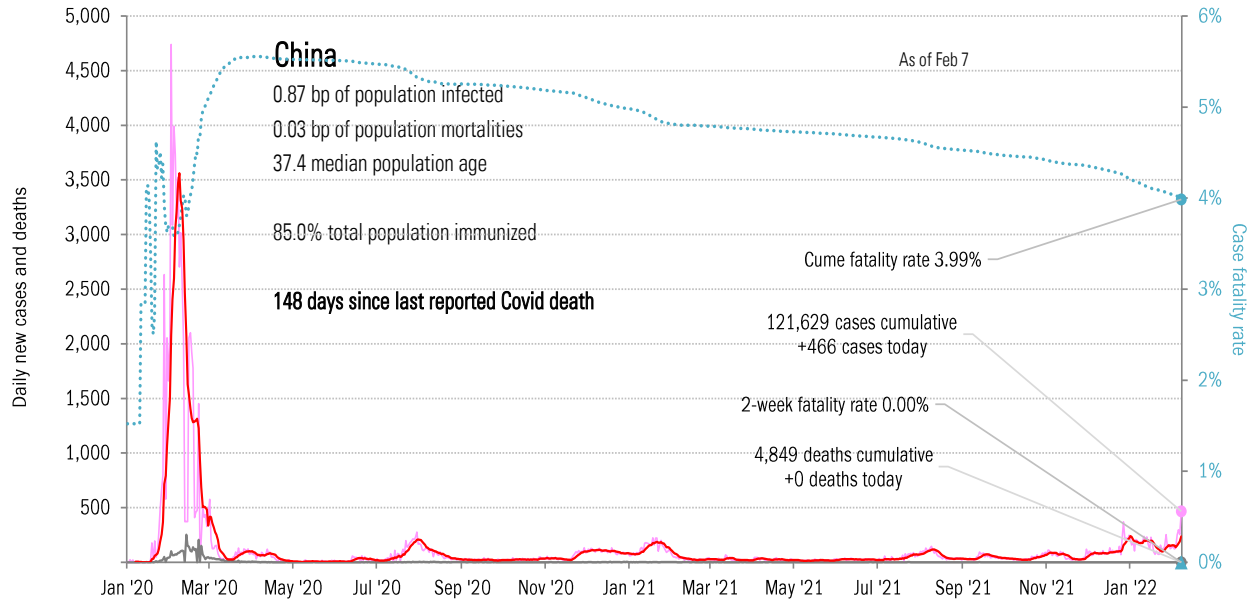
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

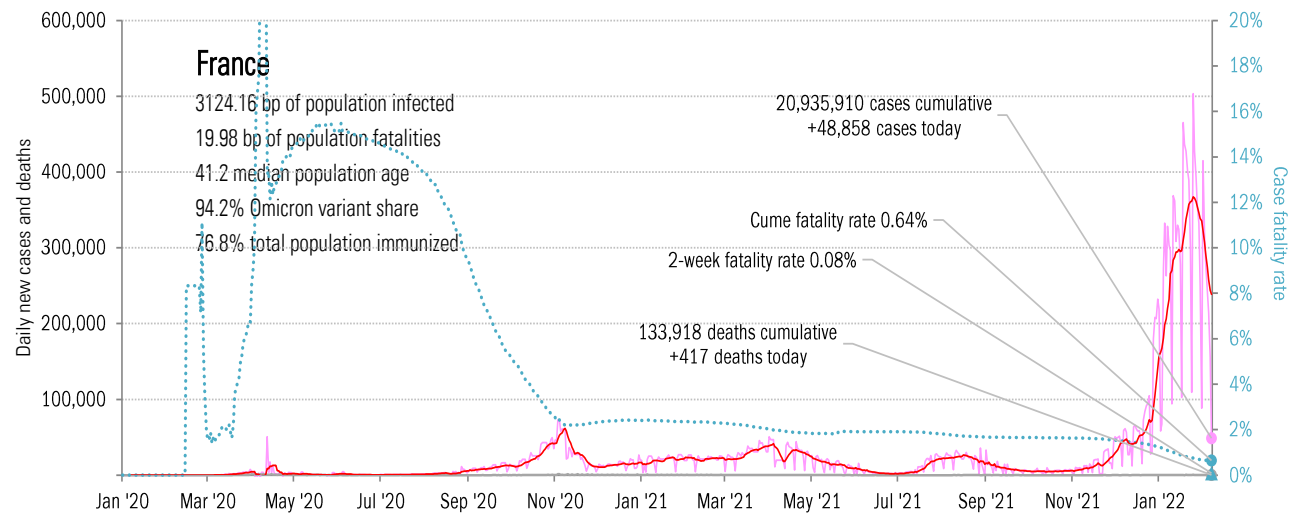
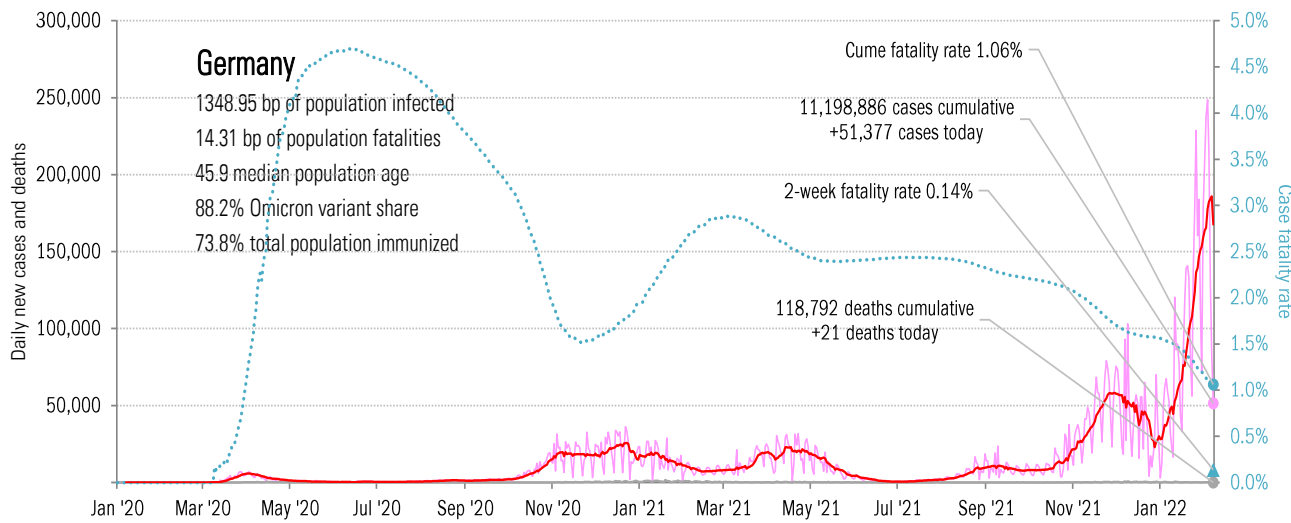
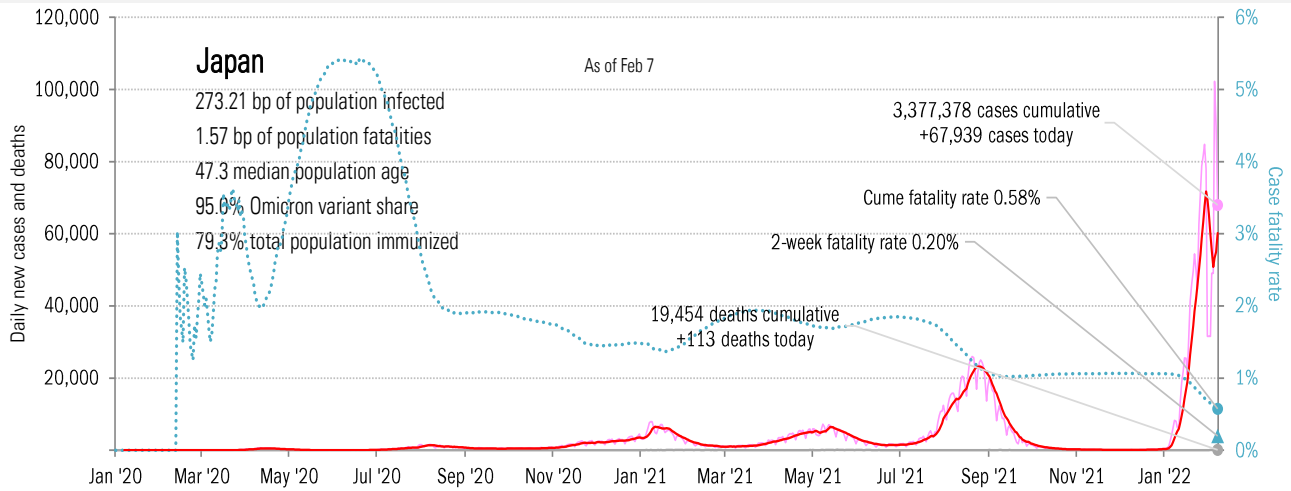
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

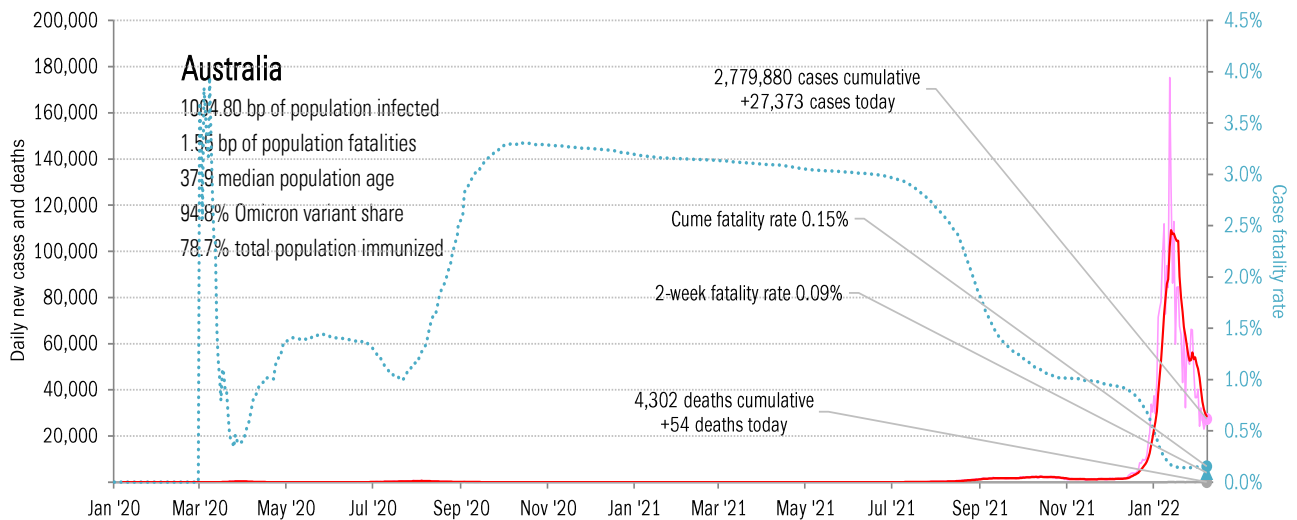
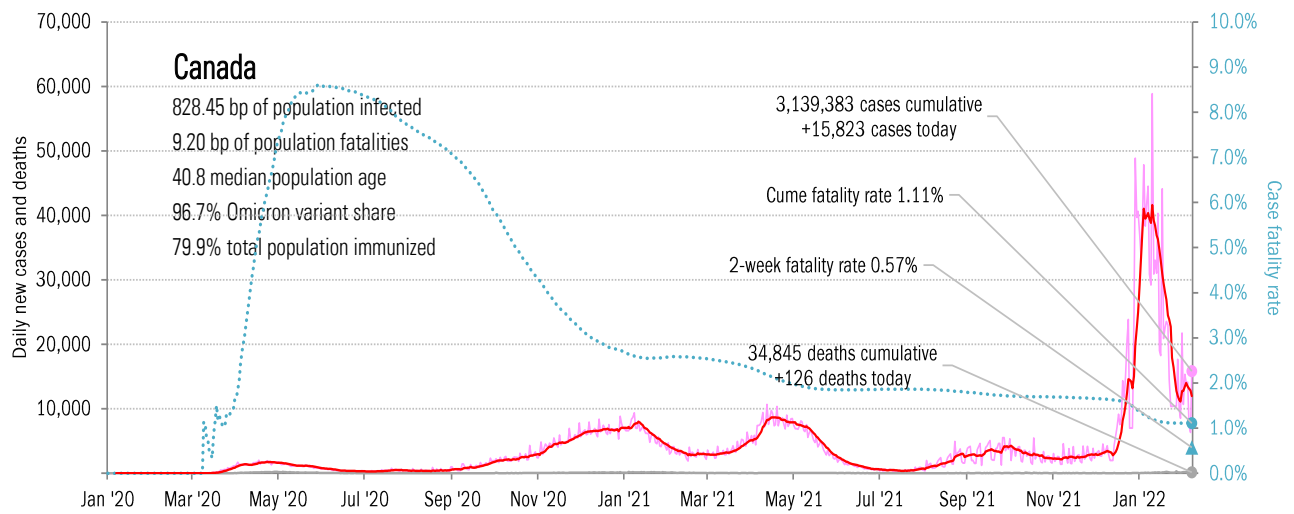
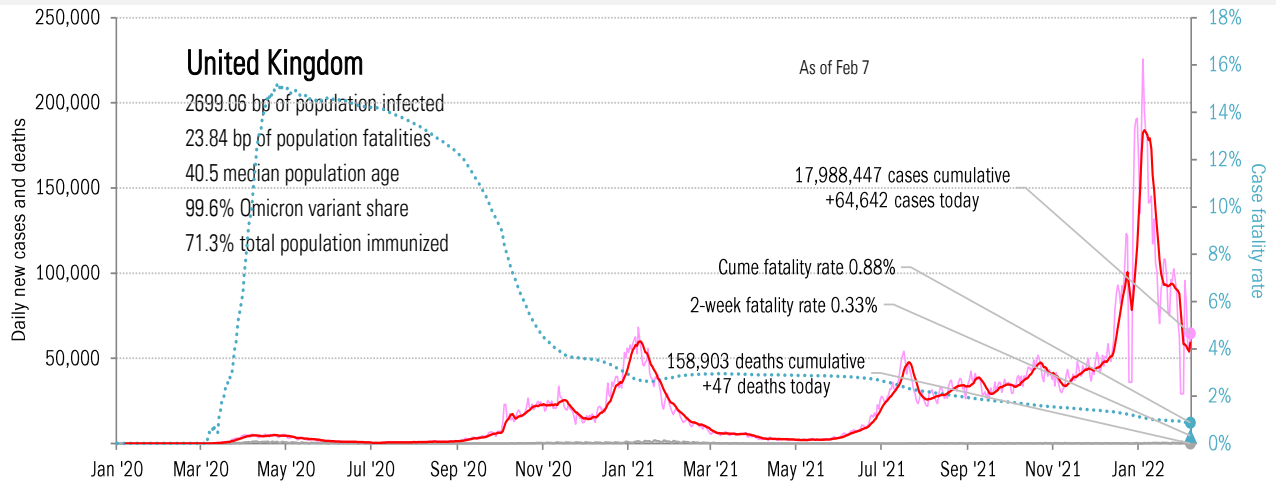
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

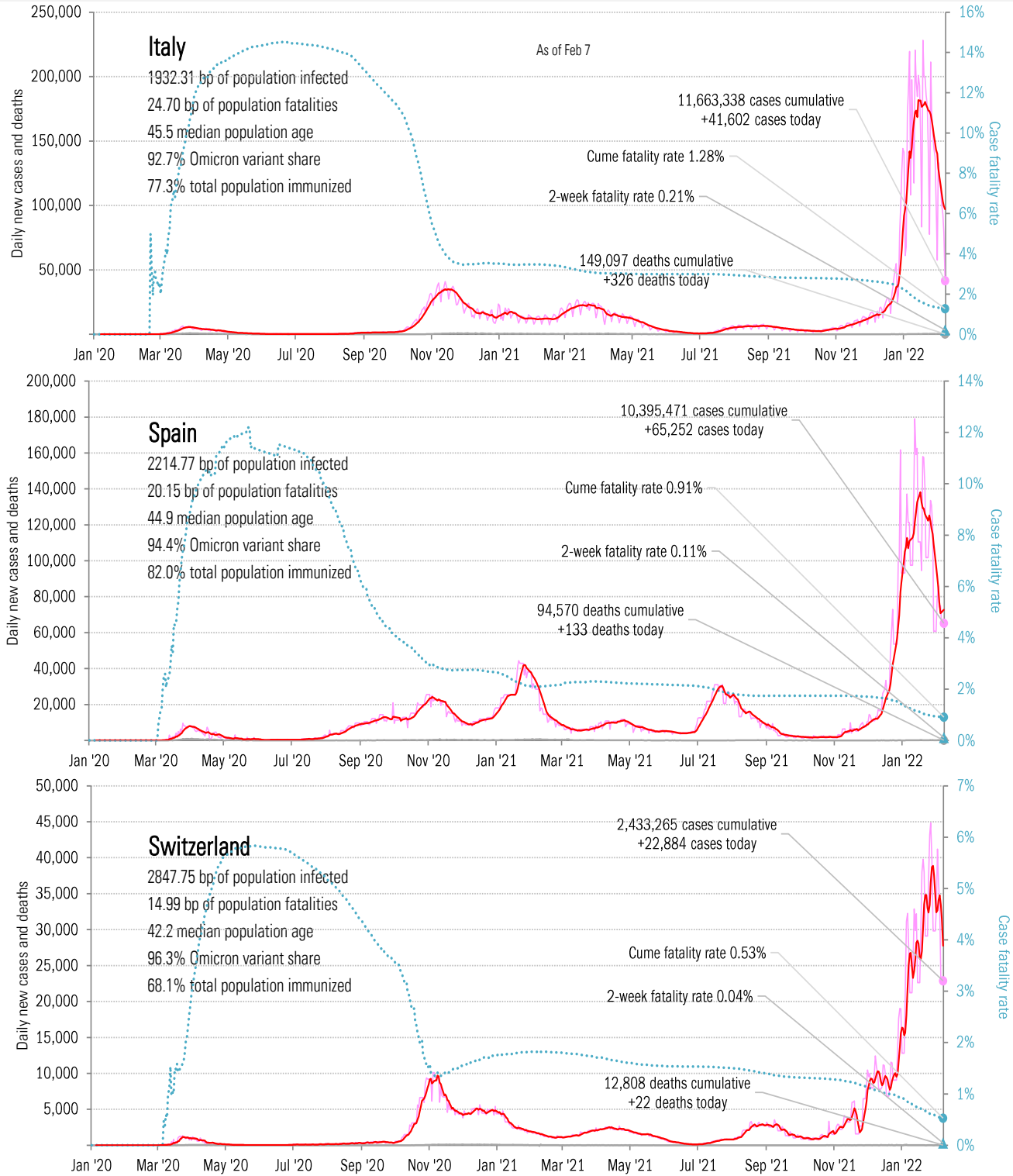


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

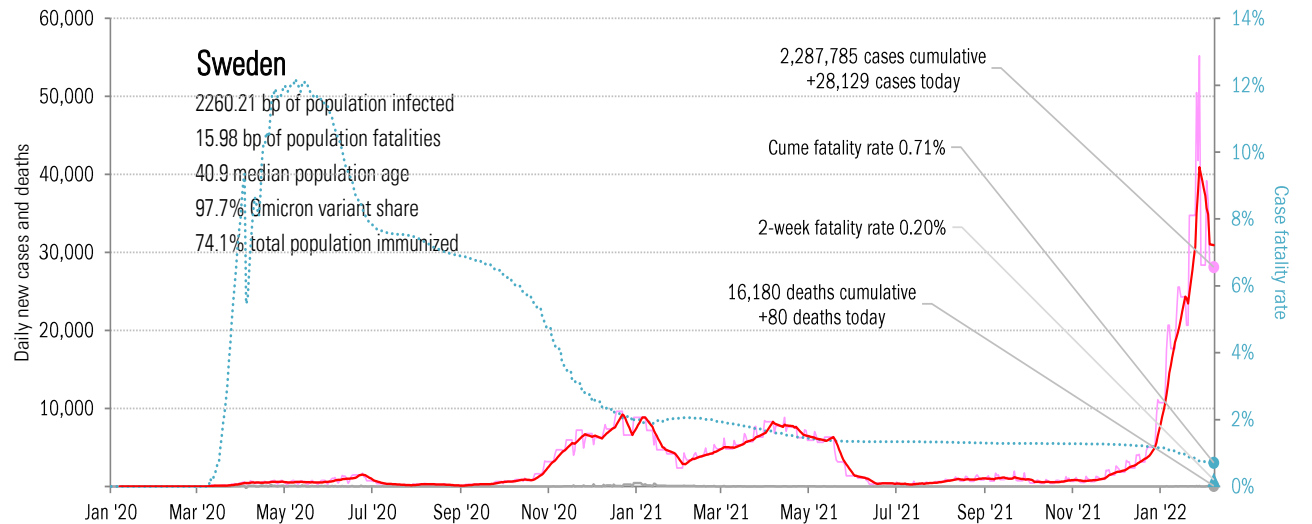
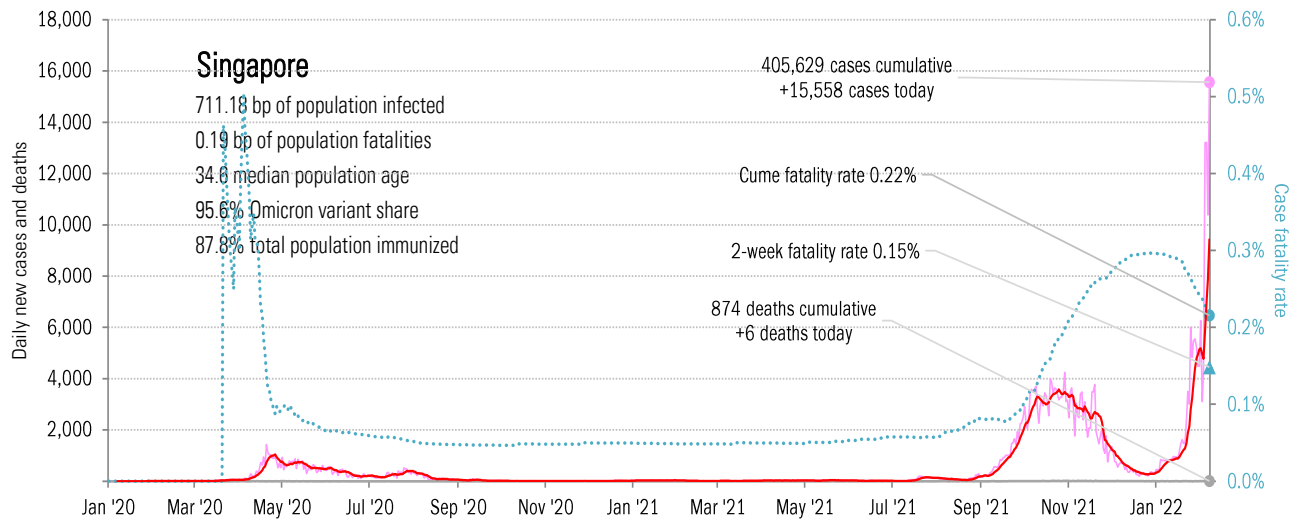
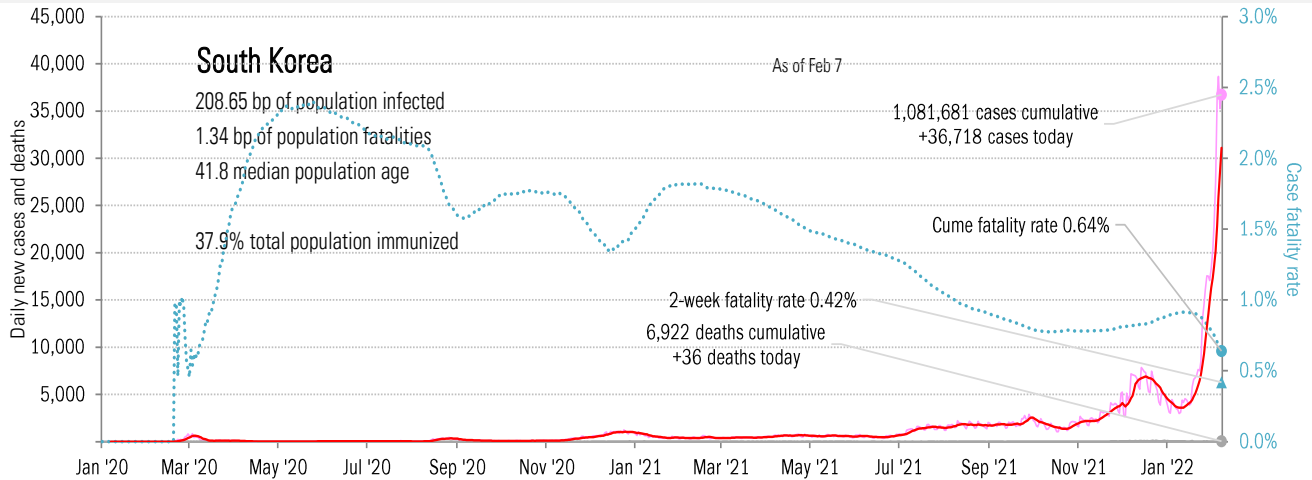
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

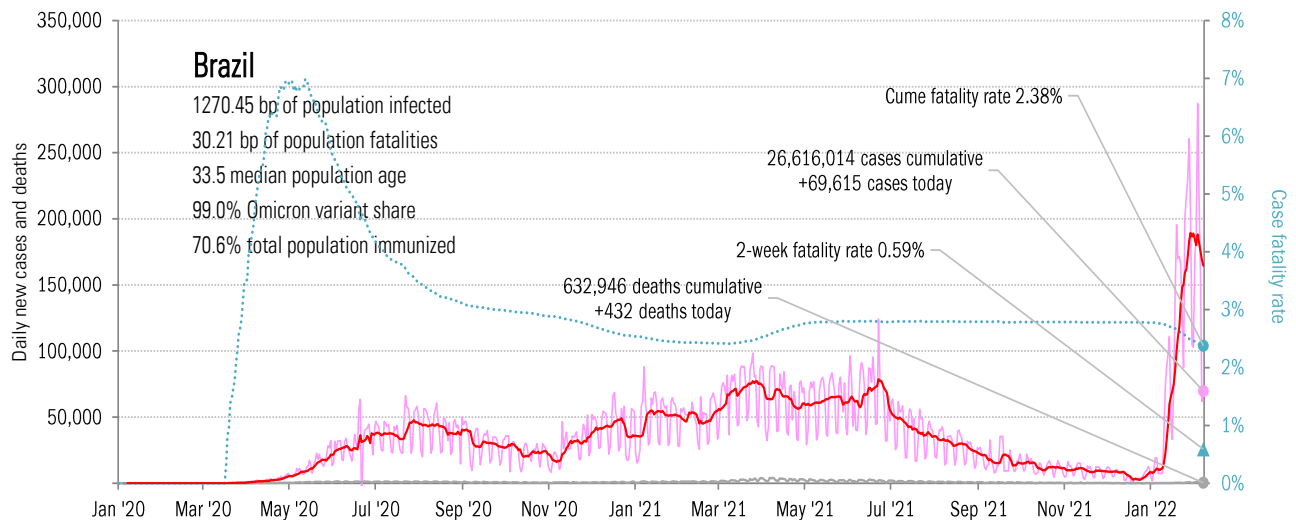
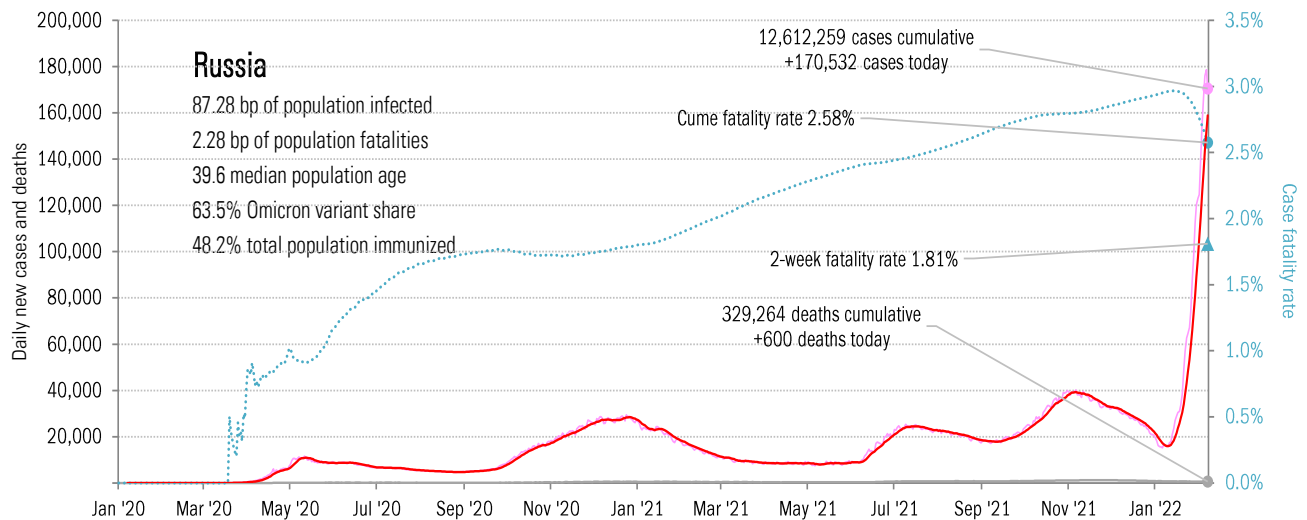
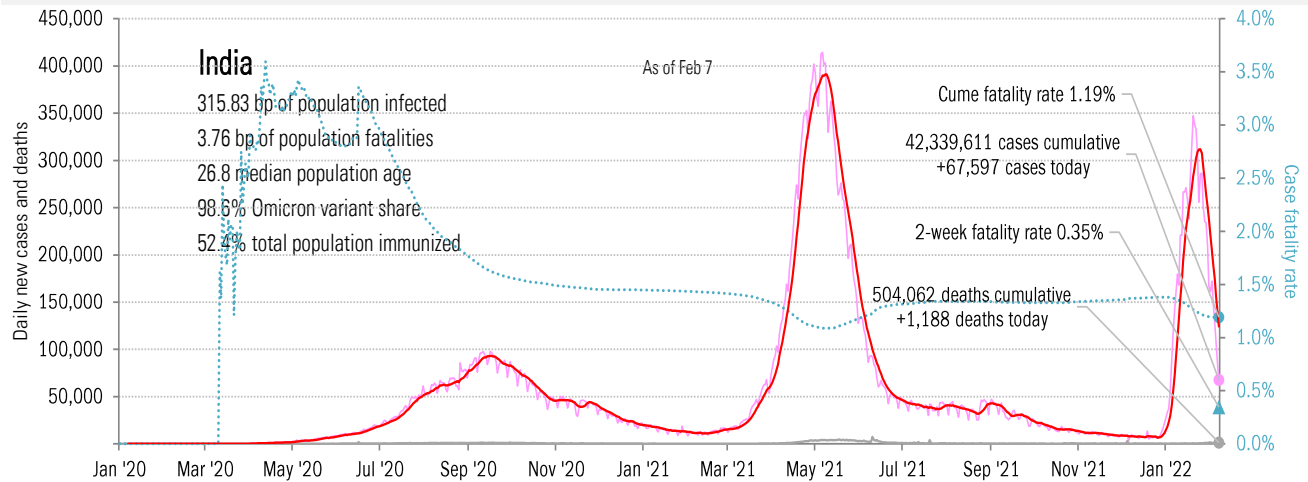
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

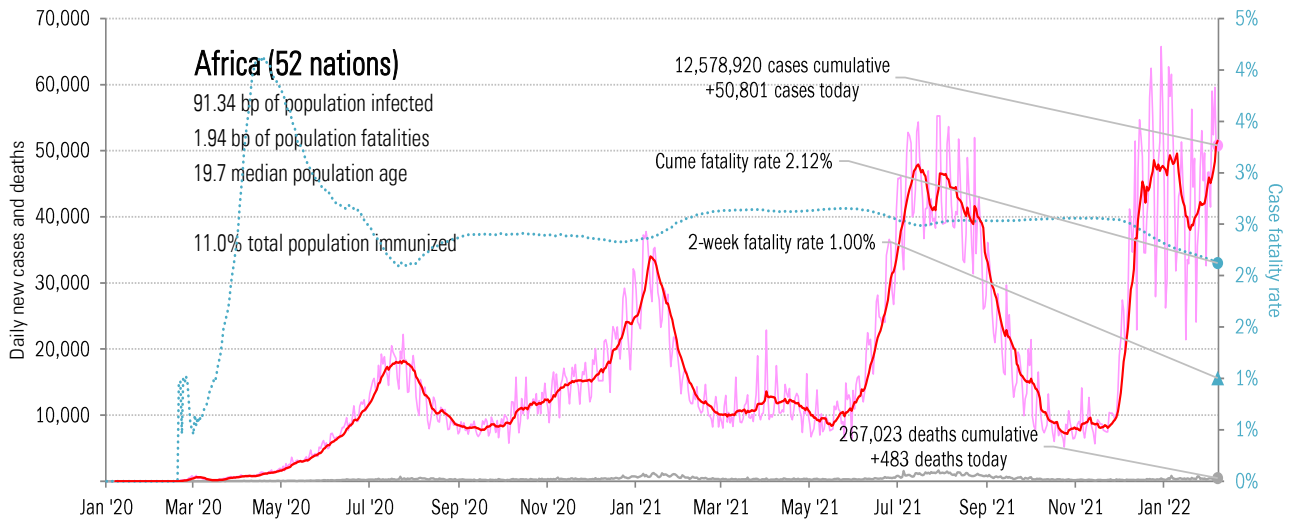
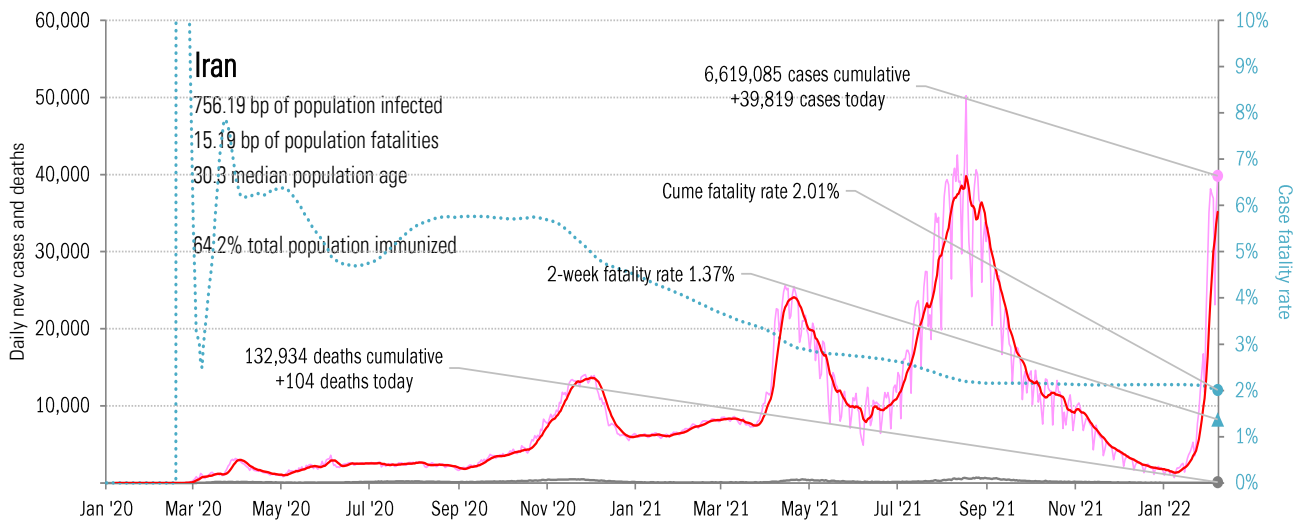
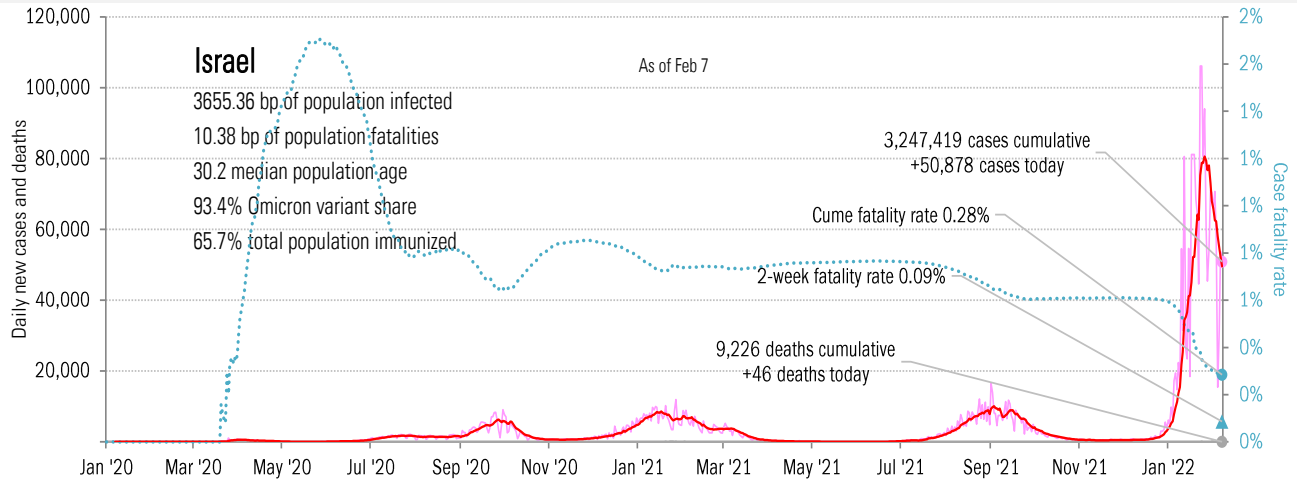
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

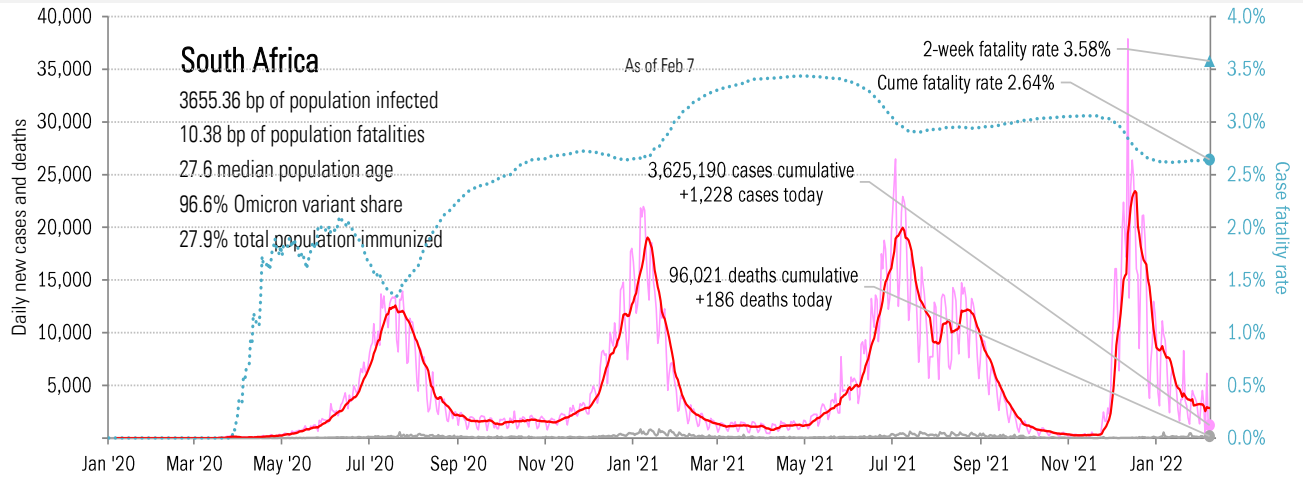
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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