

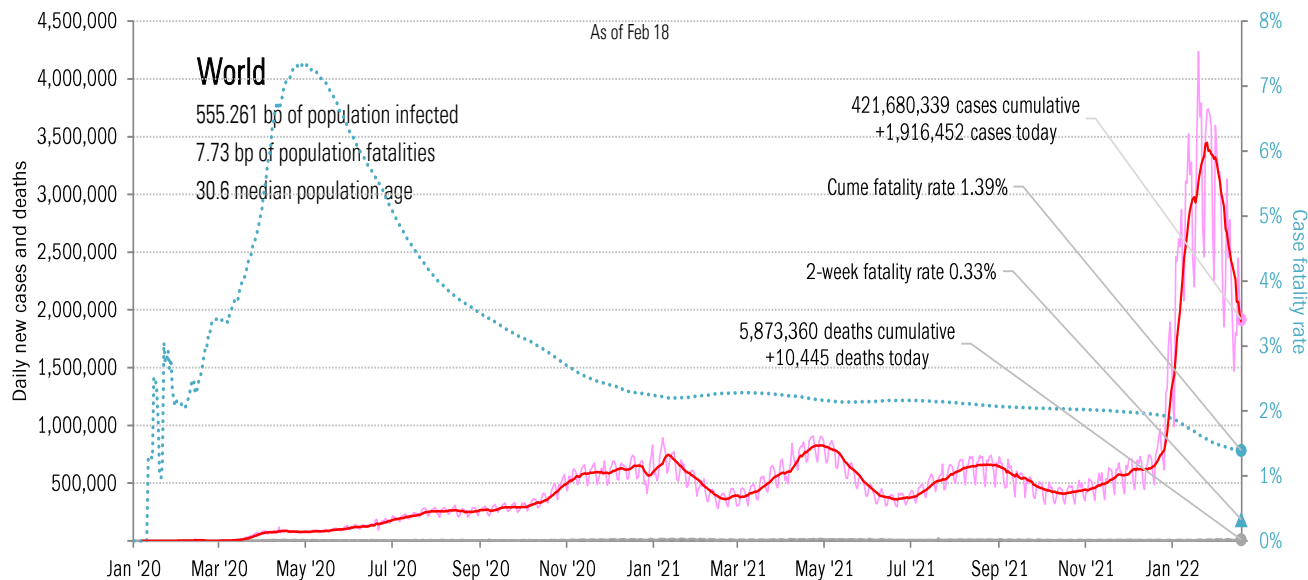
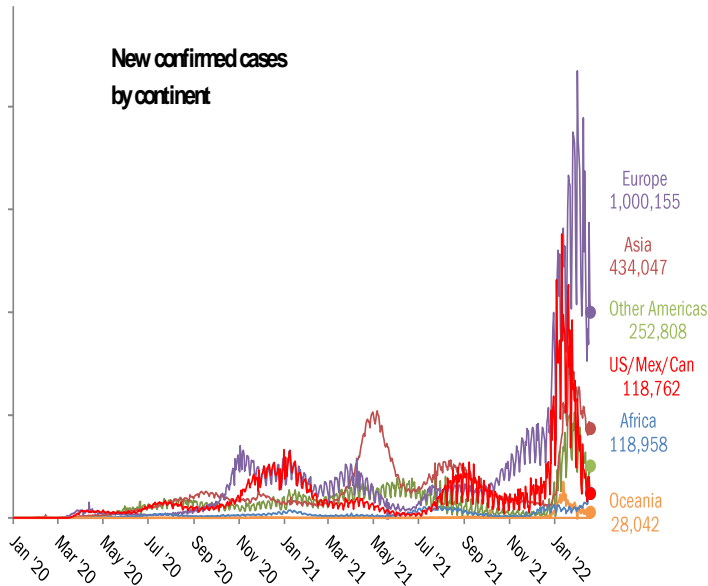
Data Insights: Covid-2019 Monitor

Saturday, February 19, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Germany	182,762	United States	2,319
Russia	178,016	Brazil	1,184
Brazil	132,119	Russia	775
United States	111,507	South Africa	343
Korea, South	102,203	India	325
Japan	87,638	Italy	314
Turkey	87,411	France	305
France	86,132	Poland	304
Indonesia	59,635	Ukraine	291
Italy	53,700	Spain	288
1,081,123		6,448	
World	1,916,452	World	10,445
Top ten	56%	Top ten	62%



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

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

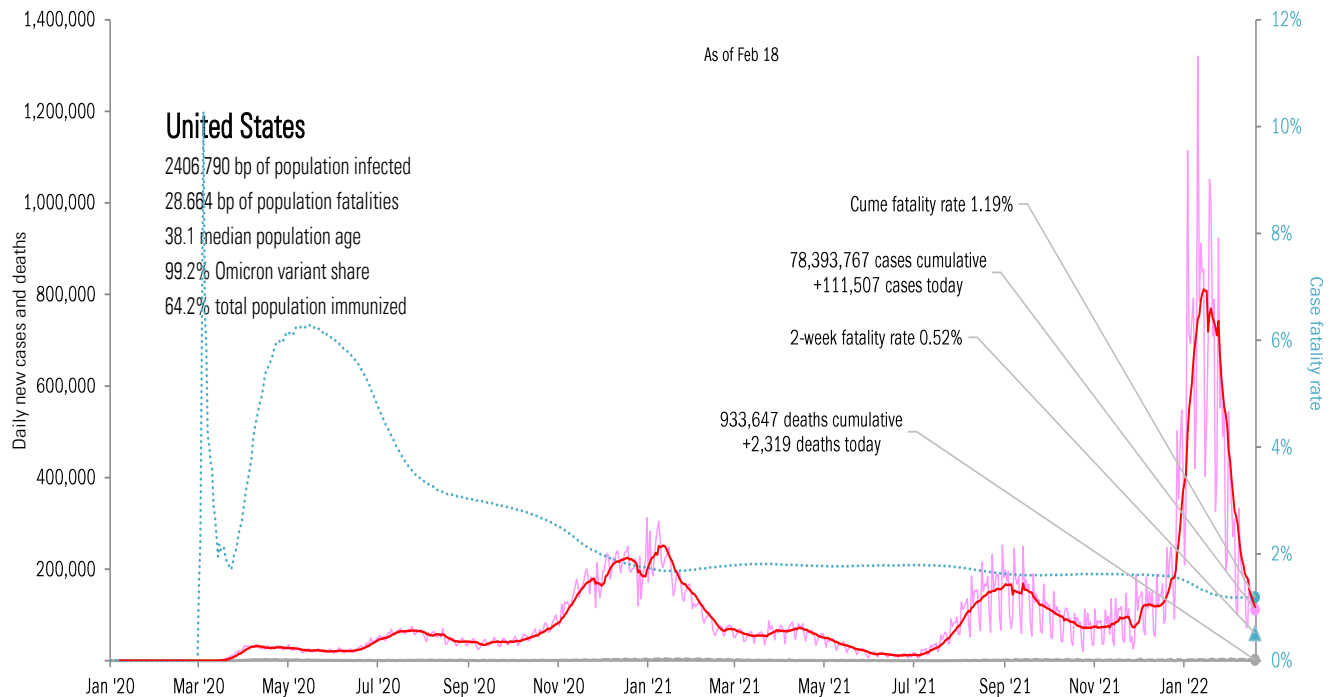
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
TX	11,713		CA	274	RI	6	CA	8,888,536	CA	83,862	TX	475,976	MA	87%	AL	92%					
CA	9,081		TX	254	GA	5	TX	6,567,203	TX	83,447	CA	409,786	GA	85%	TX	90%					
FL	6,053		FL	190	VT	2	FL	5,788,948	FL	68,228	FL	404,682	RI	85%	NM	89%					
MI	5,769		GA	149	ND	1	NY	4,903,700	NY	66,919	NY	238,986	WV	85%	MS	89%					
NC	4,871		MI	128	AS	0	IL	3,013,709	PA	42,686	GA	199,480	MO	85%	KY	88%					
NY	4,813		AZ	115	GU	0	PA	2,738,475	CH	35,493	CH	186,419	MN	85%	CK	88%					
KY	4,346		IN	103	MP	0	CH	2,642,330	GA	34,757	PA	171,423	PA	84%	GA	86%					
TN	3,829		AL	90	VI	-1	NC	2,559,793	IL	34,732	IL	152,946	DC	84%	AK	83%					
ME	3,754		NC	87	WY	-2	GA	2,451,908	MI	33,998	MI	137,096	NH	83%	NV	83%					
IL	3,184		NY	78	NM	-3	MI	2,343,175	NJ	32,647	KY	137,054	WA	83%	NC	83%					
57,413			1,468			8			41,897,777			516,769			2,513,848						
All states	111,507		2,319			-2,355			All states	78,393,767	933,647		4,557,493			All states	70%	67%			
Top ten	51%		63%			0%			Top ten	53%	55%		55%			Median	78%	79%			

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-5,128	SC	-100	KY	-181	TN	+20 bp
MO	-897	AZ	-94	CK	-131	AK	+10 bp
PA	-816	TX	-43	MI	-56	CA	+10 bp
NC	-712	NJ	-27	IN	-44	CO	+10 bp
AL	-668	CK	-27	CA	-30	ID	+10 bp



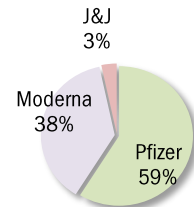
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	564,310,669		+0.492 million	US	64.2%	76.0%
Boosters	93,816,817		+0.220 million	UK	71.5%	77.0%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	260,256,009	78%	220,804,150	66%	+0.130 million	France 77.1% 80.0%
Age 12 to 17	17,217,827	68%	14,631,053	58%	+0.013 million	Spain 82.1% 87.7%
Age 18 to 64	175,508,163	86%	148,737,247	73%	+0.068 million	Germany 74.2% 75.4%
Age 65 and over	58,144,389	100%	50,286,878	92%	+0.009 million	Italy 77.8% 83.7%

Israel	65.8%	72.1%
Canada	80.4%	85.3%
Japan	79.3%	80.6%
Africa	11.5%	16.8%
India	54.2%	68.8%
Brazil	71.3%	81.5%
China	85.1%	87.7%

Global data differs due to sources, timing



State
AK
68.3%
60.8%

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

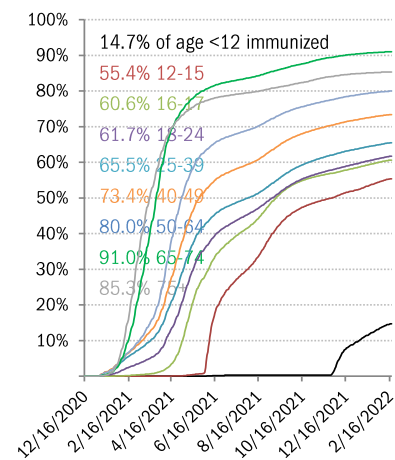
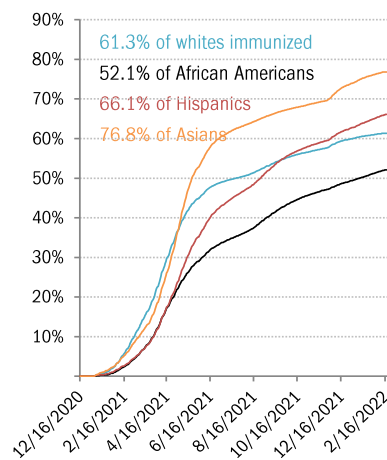
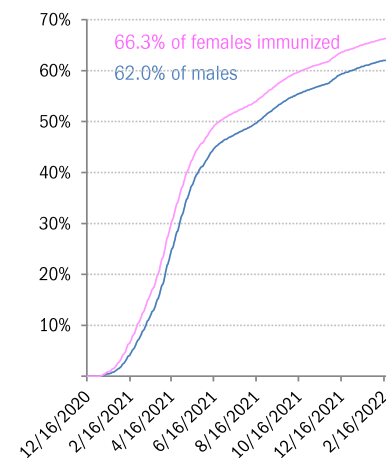
Best
Middle
Worst

Immunity = two doses

As of Feb 18

					WI						ME
					70.9%						89.1%
					64.3%						78.2%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH	
79.5%	60.1%	64.3%	64.4%	74.2%	75.7%	65.8%		88.5%	92.7%	95.0%	
71.1%	52.9%	55.8%	54.3%	67.9%	67.0%	58.9%		75.2%	80.0%	69.6%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA		
76.7%	73.8%	57.8%	74.7%	67.1%	60.5%	62.7%	83.0%	88.6%	95.0%		
68.5%	59.4%	50.4%	59.6%	60.9%	53.8%	57.4%	66.6%	73.9%	77.4%		
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI	
81.5%	71.0%	78.1%	69.2%	65.2%	65.1%	64.0%	84.2%	84.6%	93.6%	95.0%	
70.1%	63.1%	69.0%	62.3%	54.9%	56.2%	56.6%	71.7%	73.7%	77.5%	80.3%	
	AZ	NM	KS	AR	TN	NC	SC	DC	DE		
	71.1%	85.6%	73.2%	65.5%	61.2%	81.9%	66.2%	94.7%	81.4%		
	59.7%	69.3%	59.9%	53.2%	53.4%	59.1%	55.5%	71.1%	67.2%		
			OK	LA	MS	AL	GA				
			69.8%	60.0%	58.6%	61.7%	64.1%				
			55.8%	52.4%	50.7%	50.0%	53.4%				
			TX								
			70.6%								
			59.7%								
								FL			
								77.8%			
								65.7%			
									PR		
									94.8%		
									80.8%		

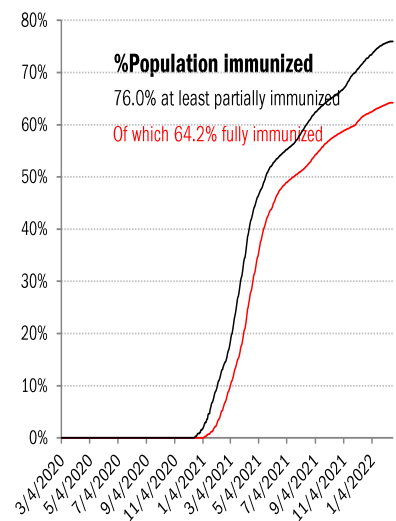
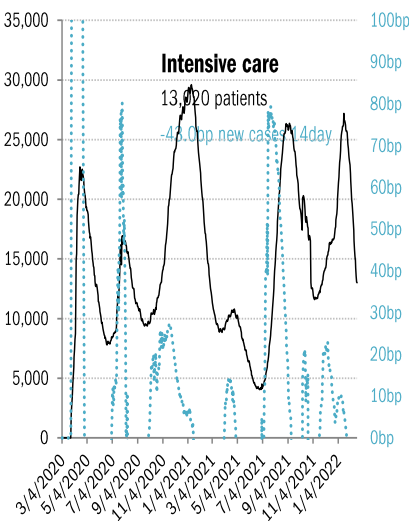
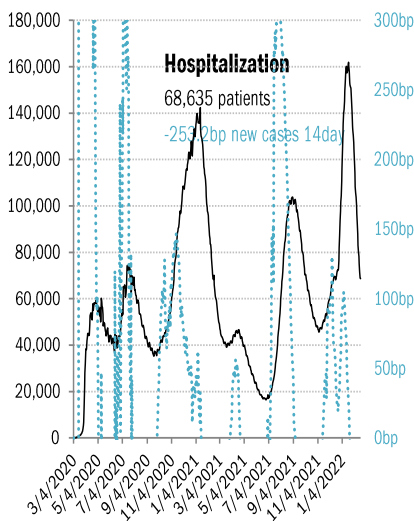
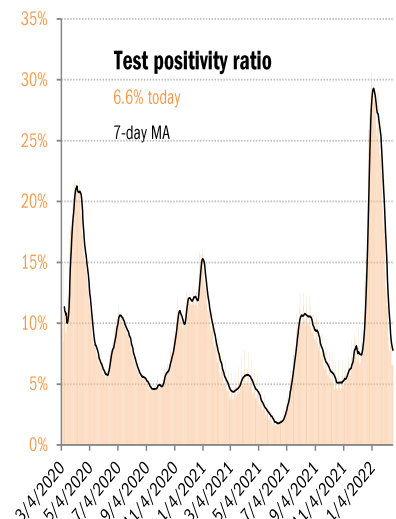
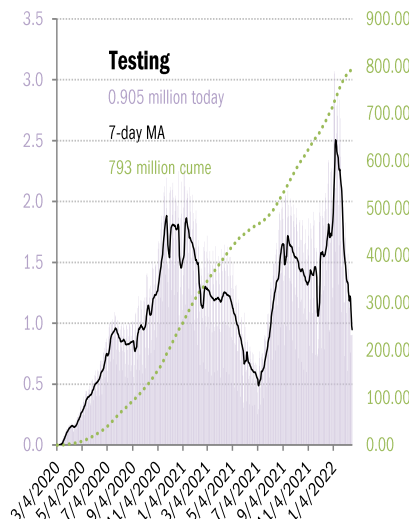
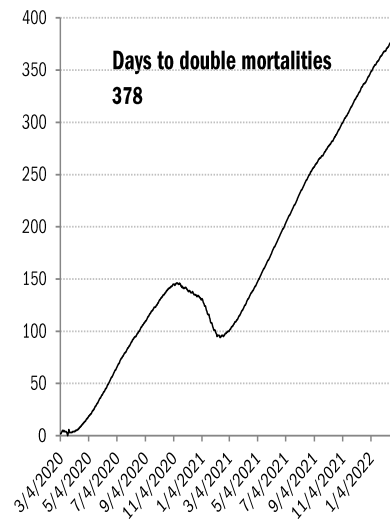
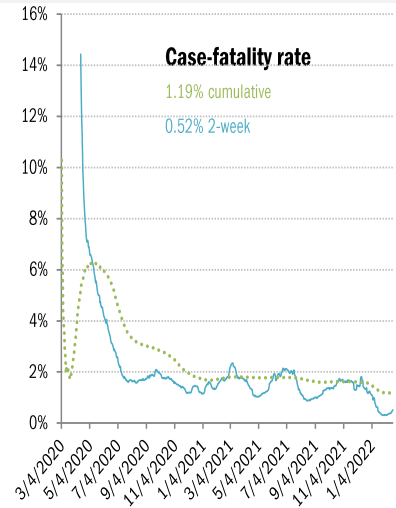
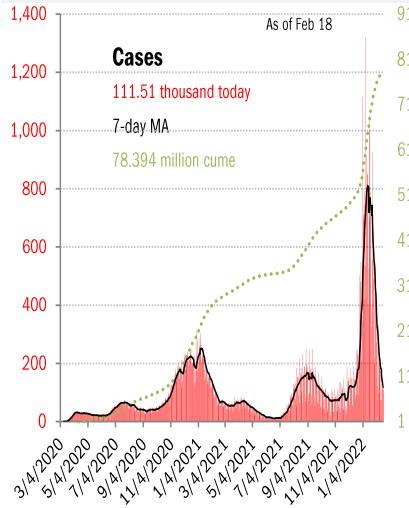
The demographics of US vaccination



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

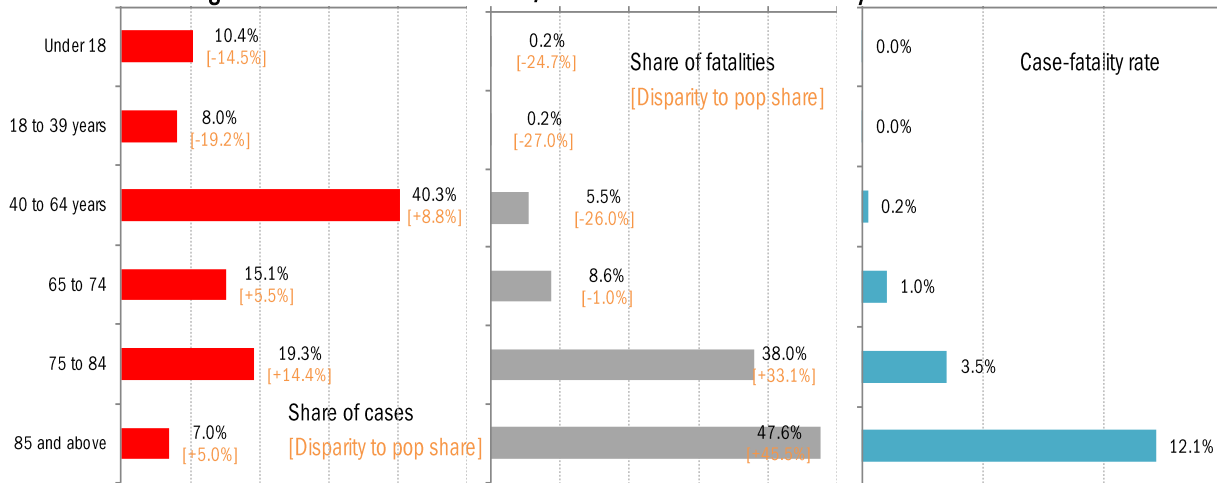
US deep-dive

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

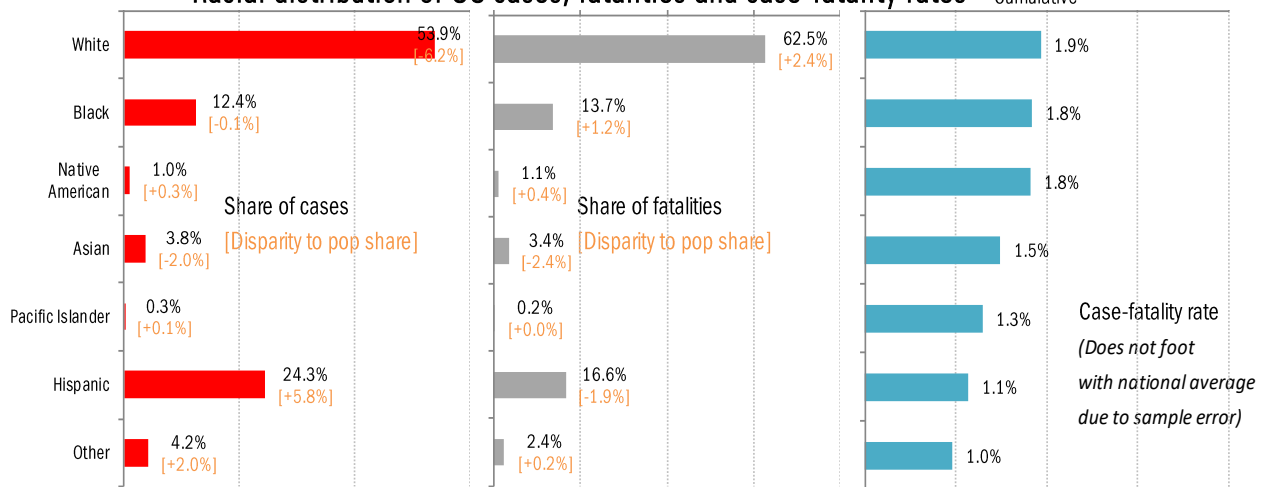


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

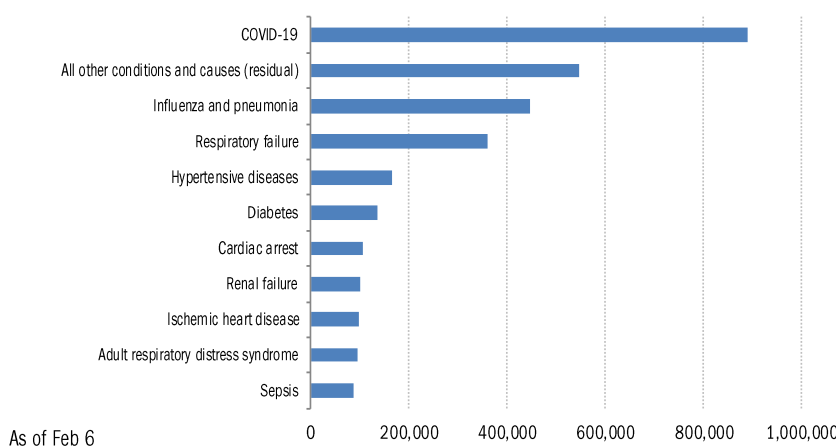


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



The CDC website now omits the following text, which had been included every day for over a year:

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.

Recommended reading

[Pediatric Emergency Department Visits Associated with Mental Health Conditions Before and During the COVID-19 Pandemic — United States, January 2019–January 2022](#)

Lakshmi Radhakrishnan
CDC
February 18, 2022

[More Teenage Girls With Eating Disorders Wound Up in the E.R. During the Pandemic](#)

Matt Richtel
New York Times
February 18, 2022

[The Red State Model for a Post-Pandemic Economy](#)

Steven Malanga
Wall Street Journal
February 18, 2022

[Trudeau's Destructive 'Emergency'](#)

Wall Street Journal
February 18, 2022

[Canada protests: Police begin to make arrests at Ottawa protest](#)

BBC
February 18, 2022

[FOMC formally adopts comprehensive new rules for investment and trading activity](#)

Board of Governors, Federal Reserve System
February 18, 2022

[America's Ruling Regime Doesn't Fear Disinformation. It Fears Truth.](#)

Ben Weingarten
The Defender
February 17, 2022

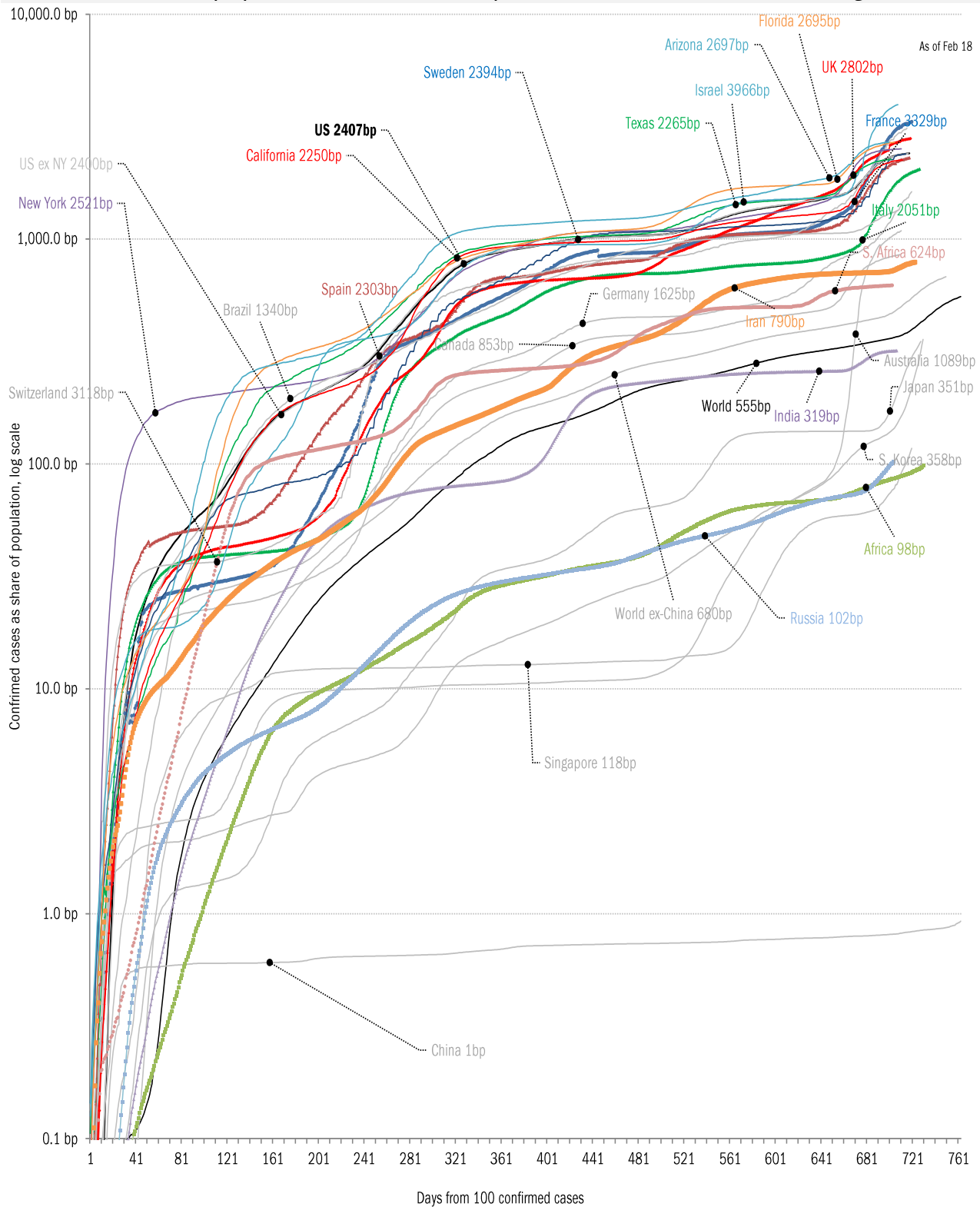
Meme of the day

“Galileo, bro are you seriously gonna question The Science?”



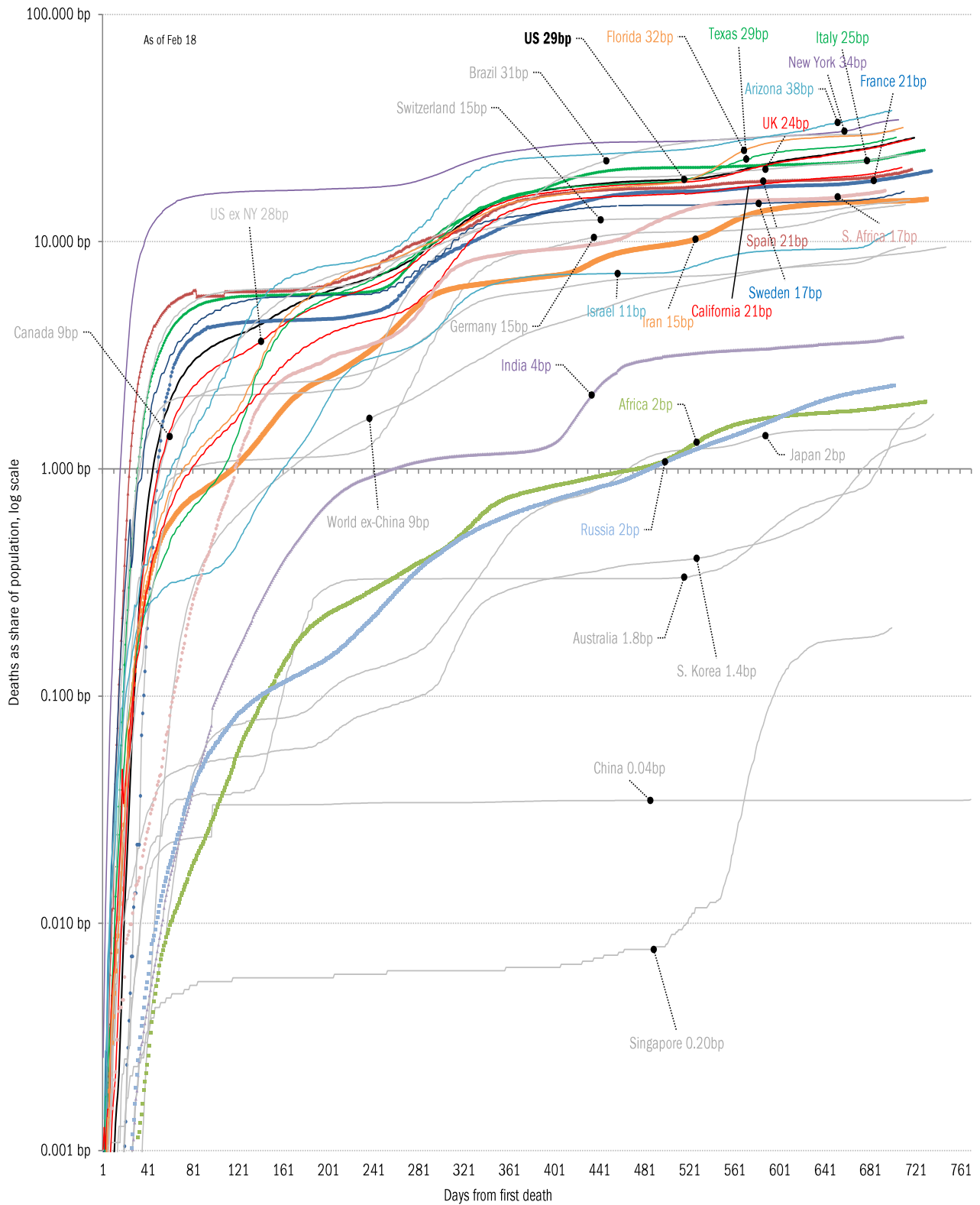
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

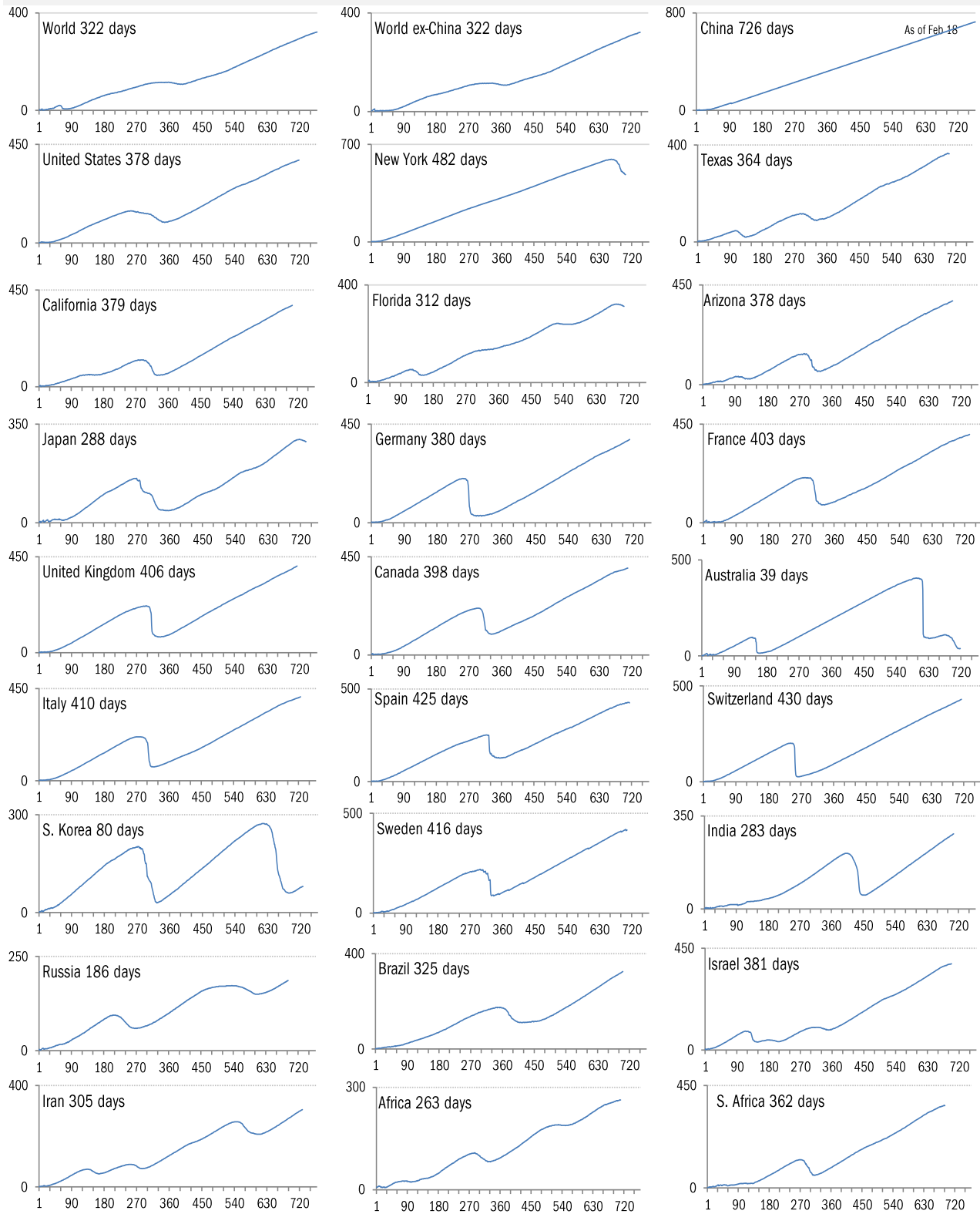


Source: [Johns Hopkins](#), TrendMacro calculations

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

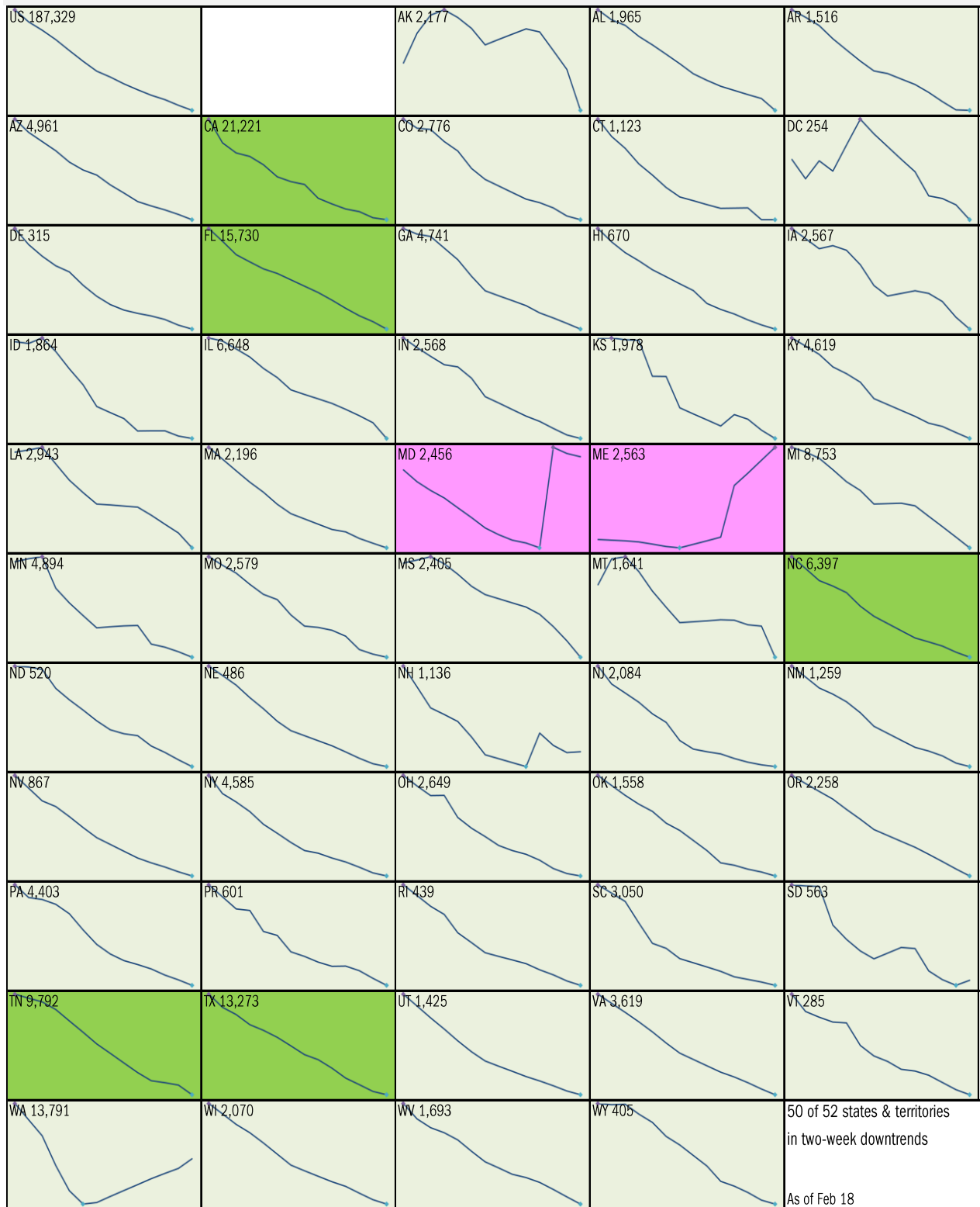
Vertical: days to double deaths Horizontal: days from first death

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

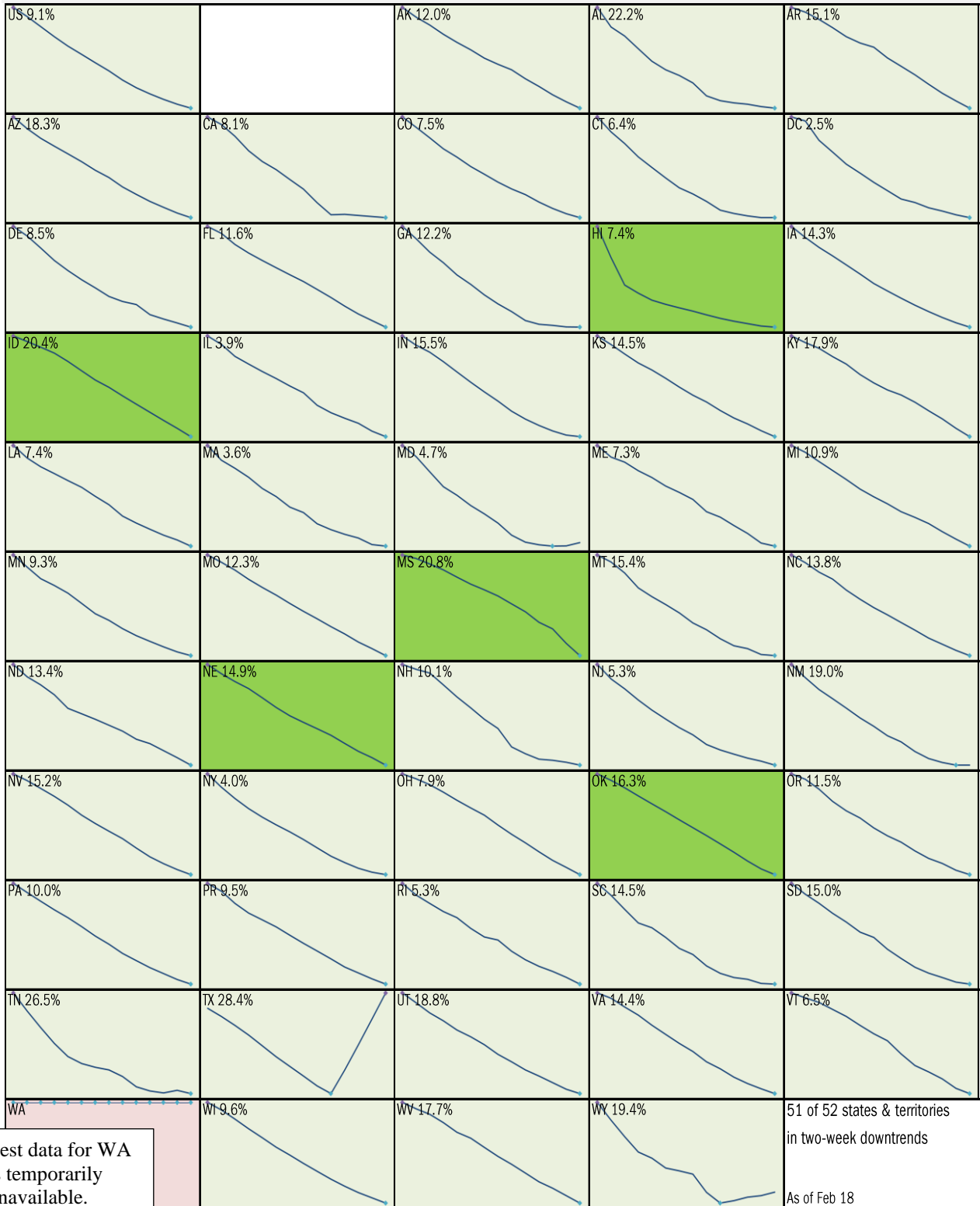


Source: [Johns Hopkins](#), TrendMacro calculations

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



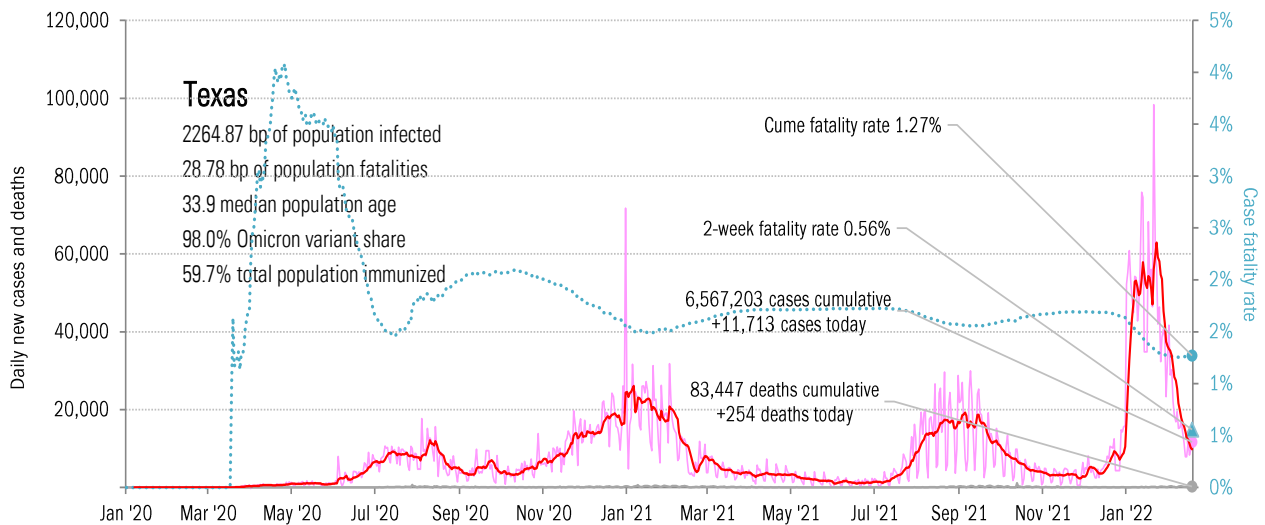
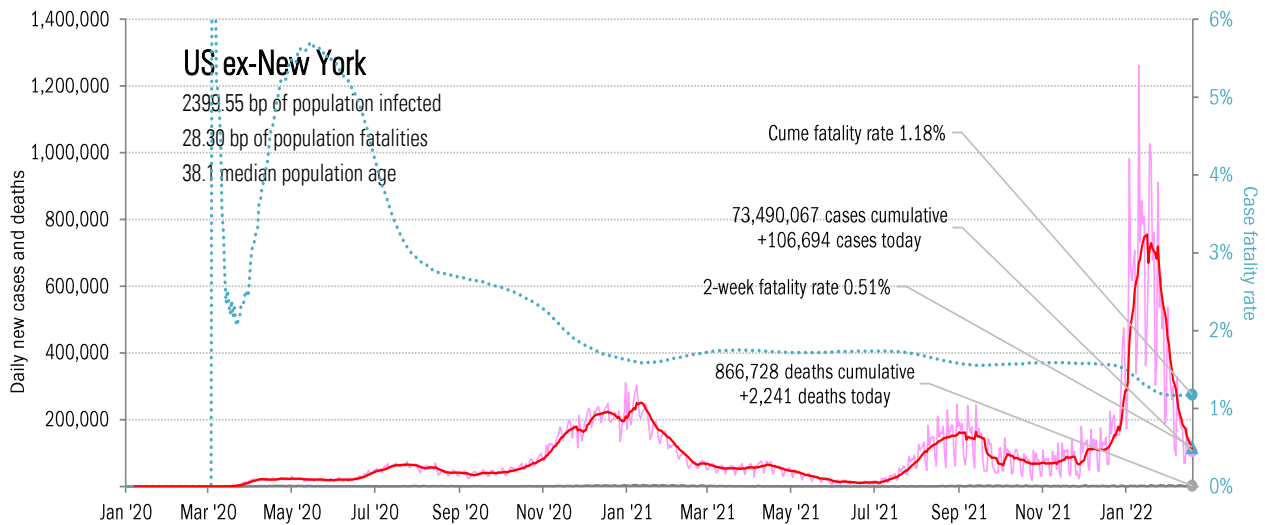
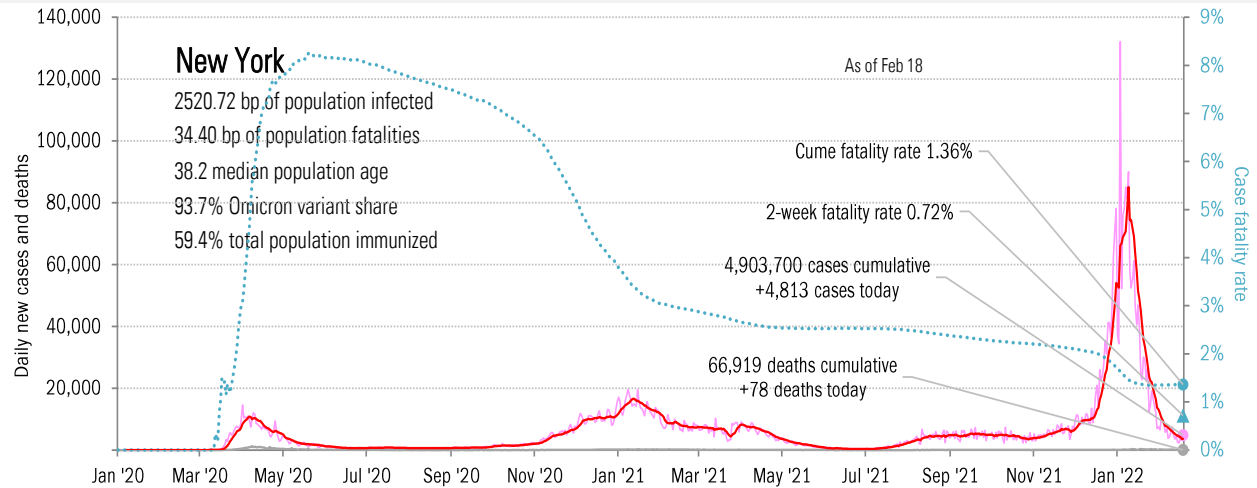
Test data for WA is temporarily unavailable.

51 of 52 states & territories in two-week downtrends
As of Feb 18

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

From Ground Zero to the Rio Grande

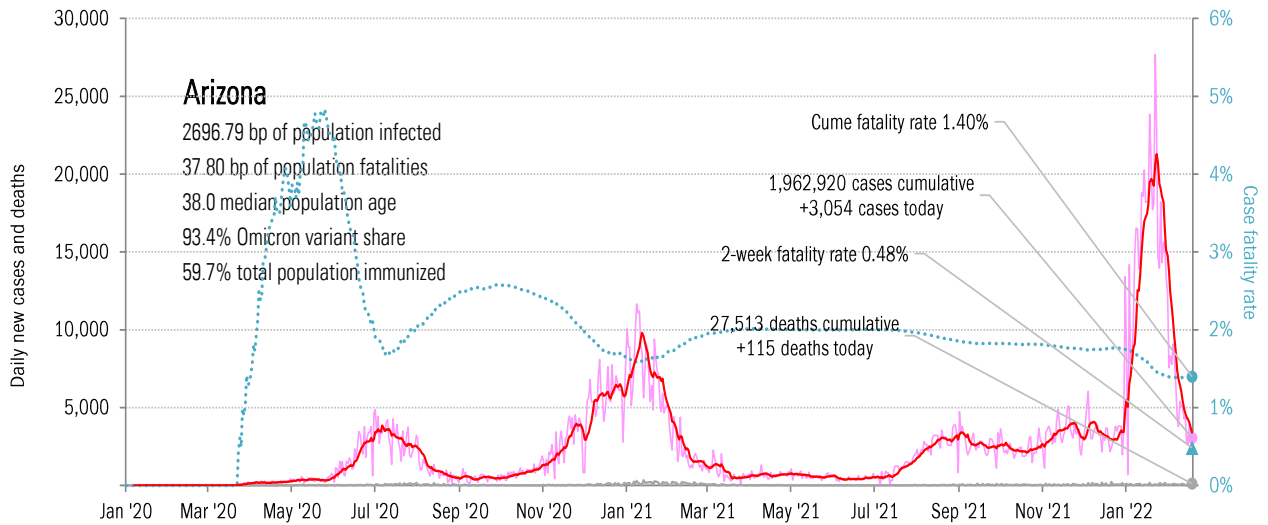
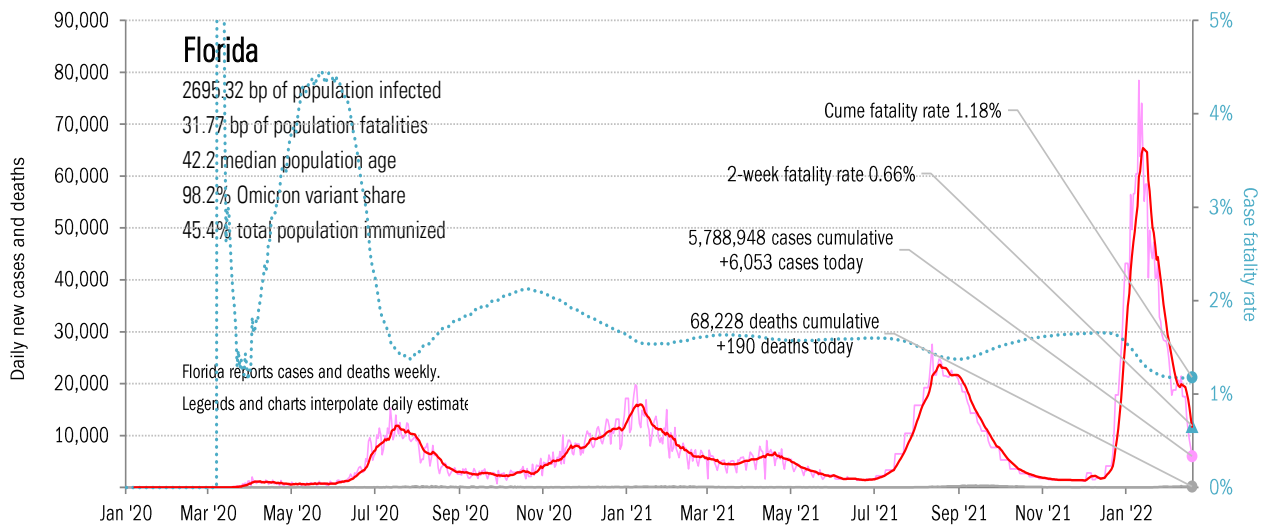
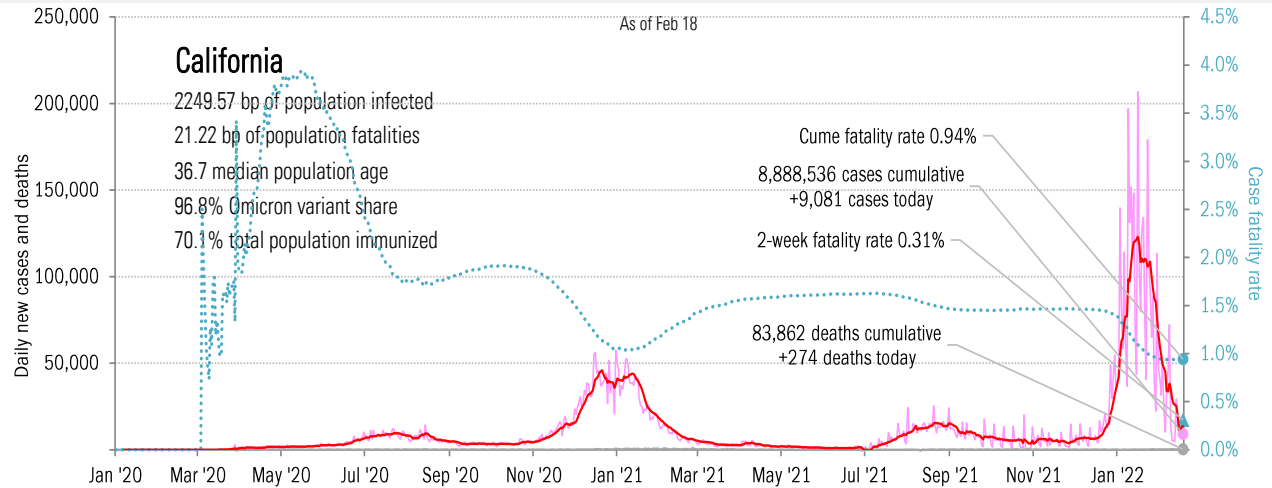
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

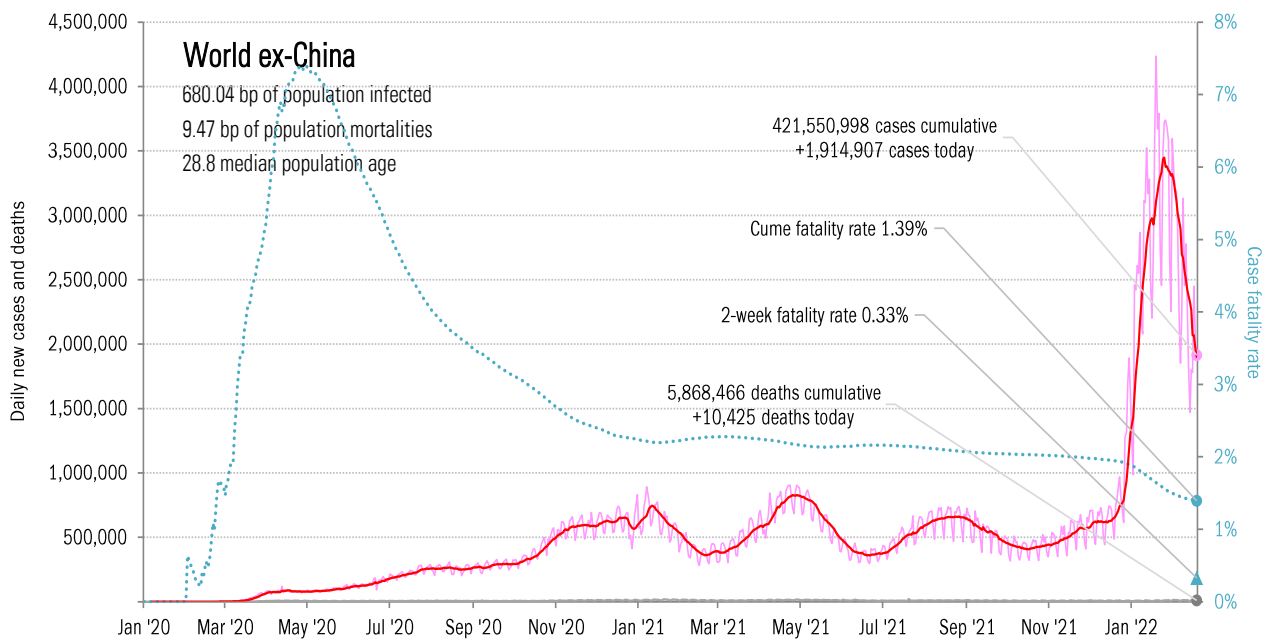
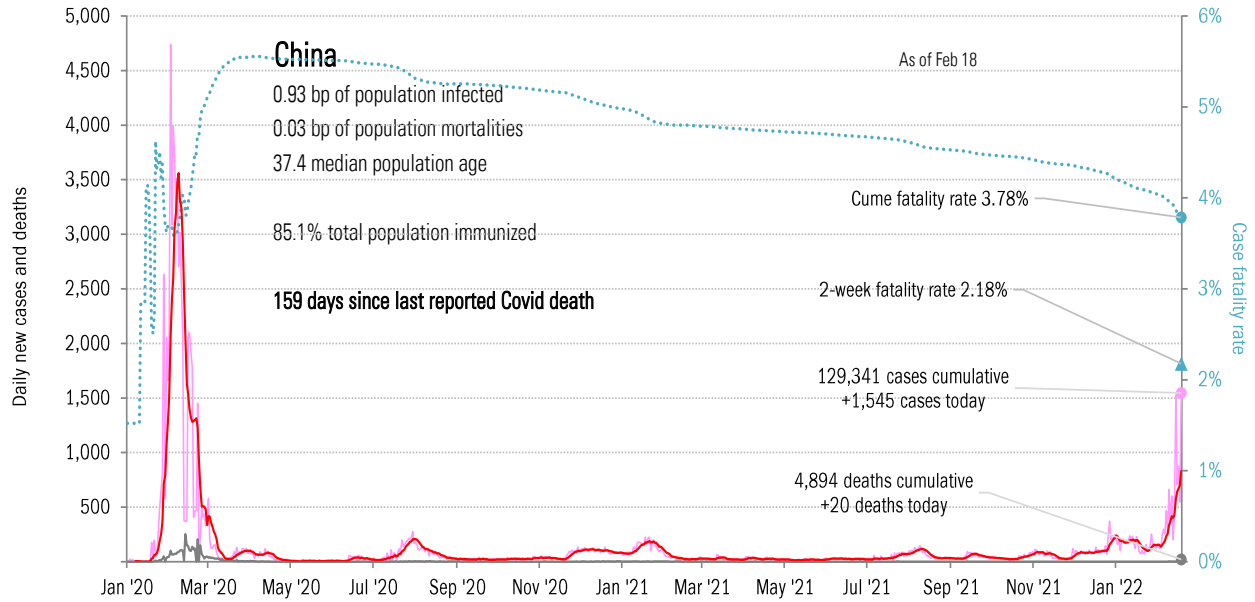
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

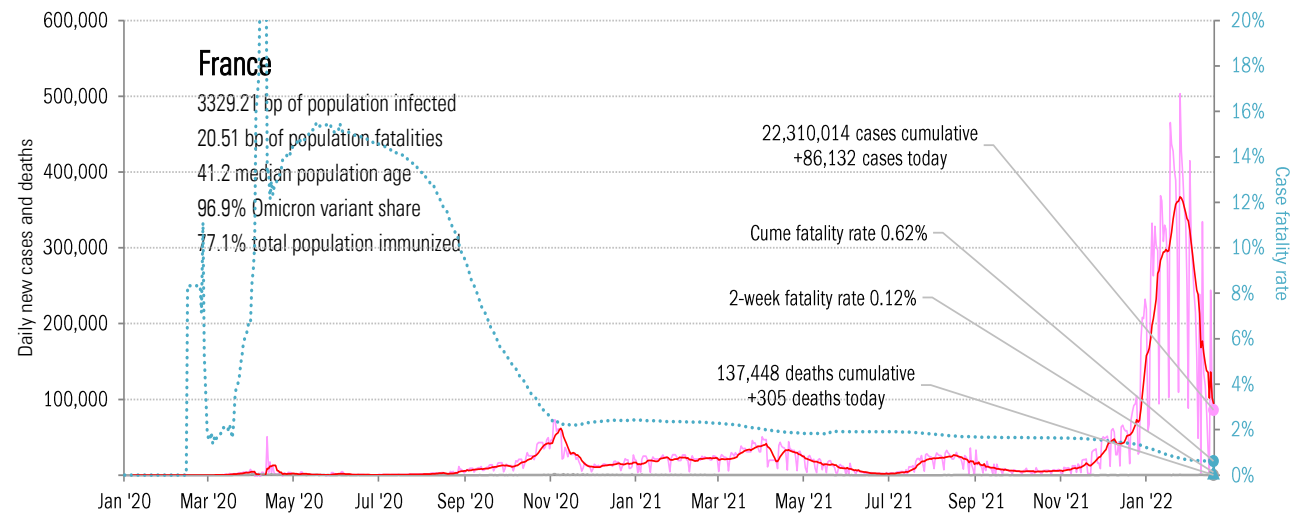
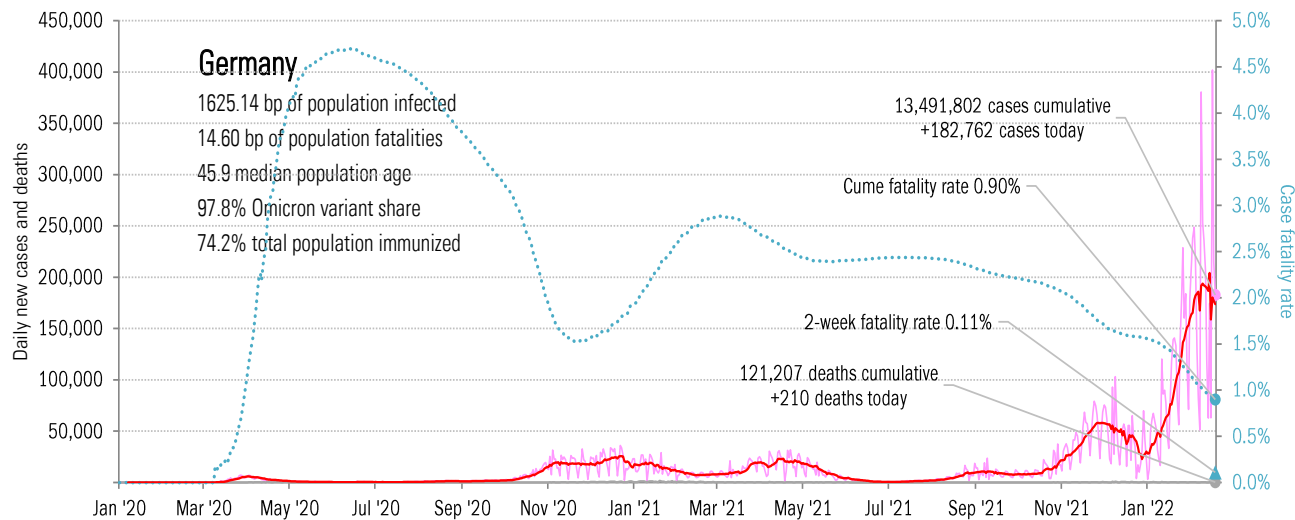
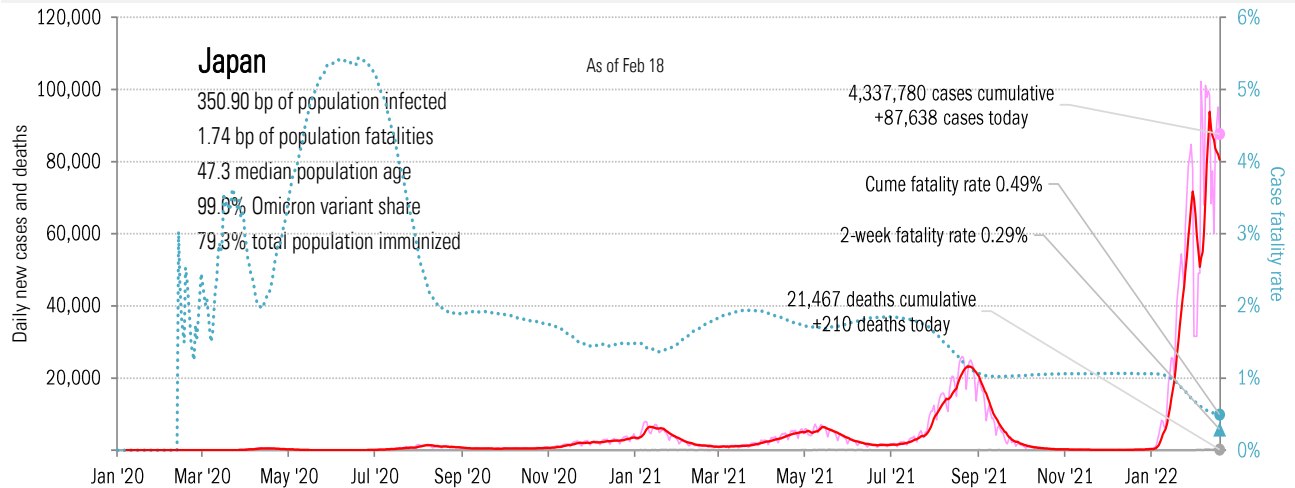
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

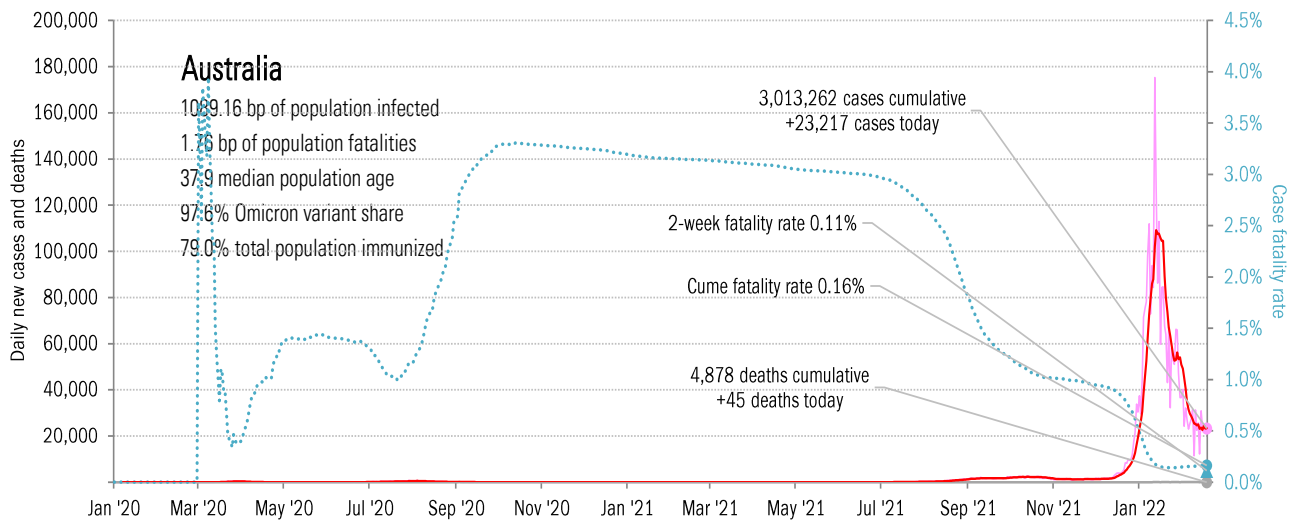
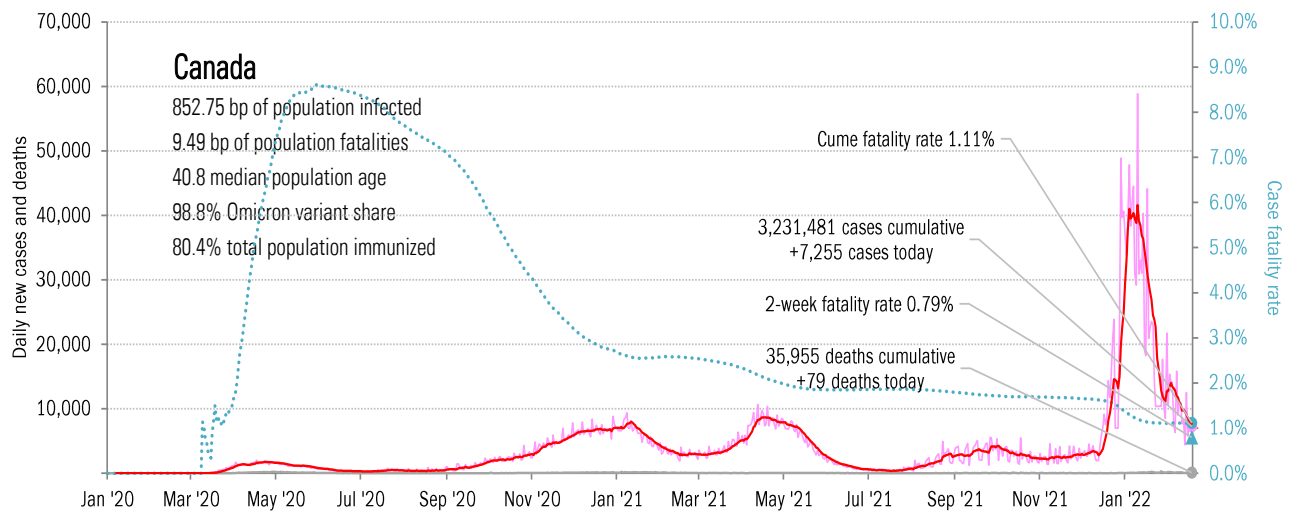
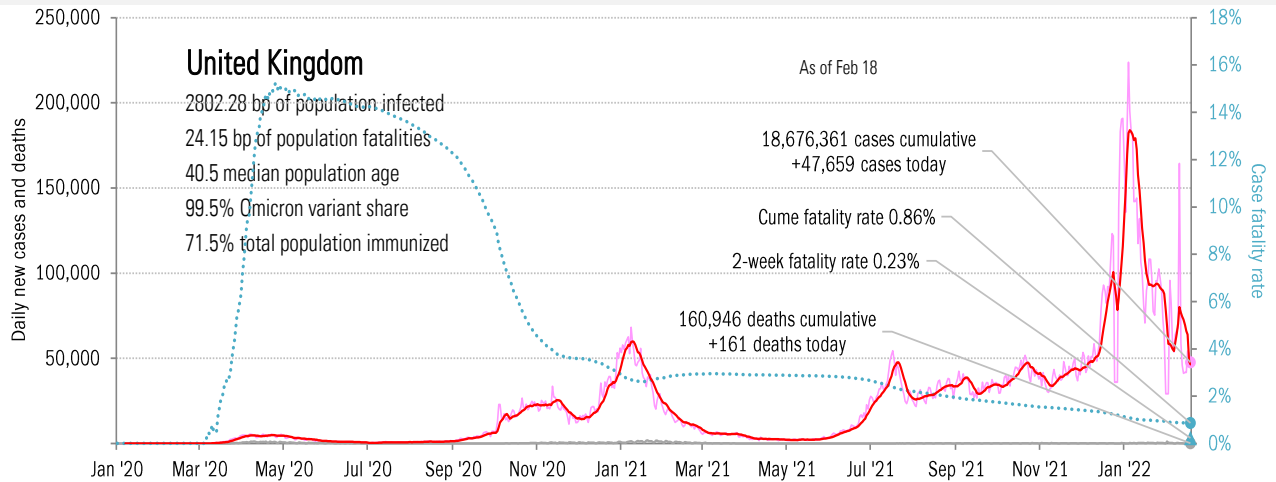
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

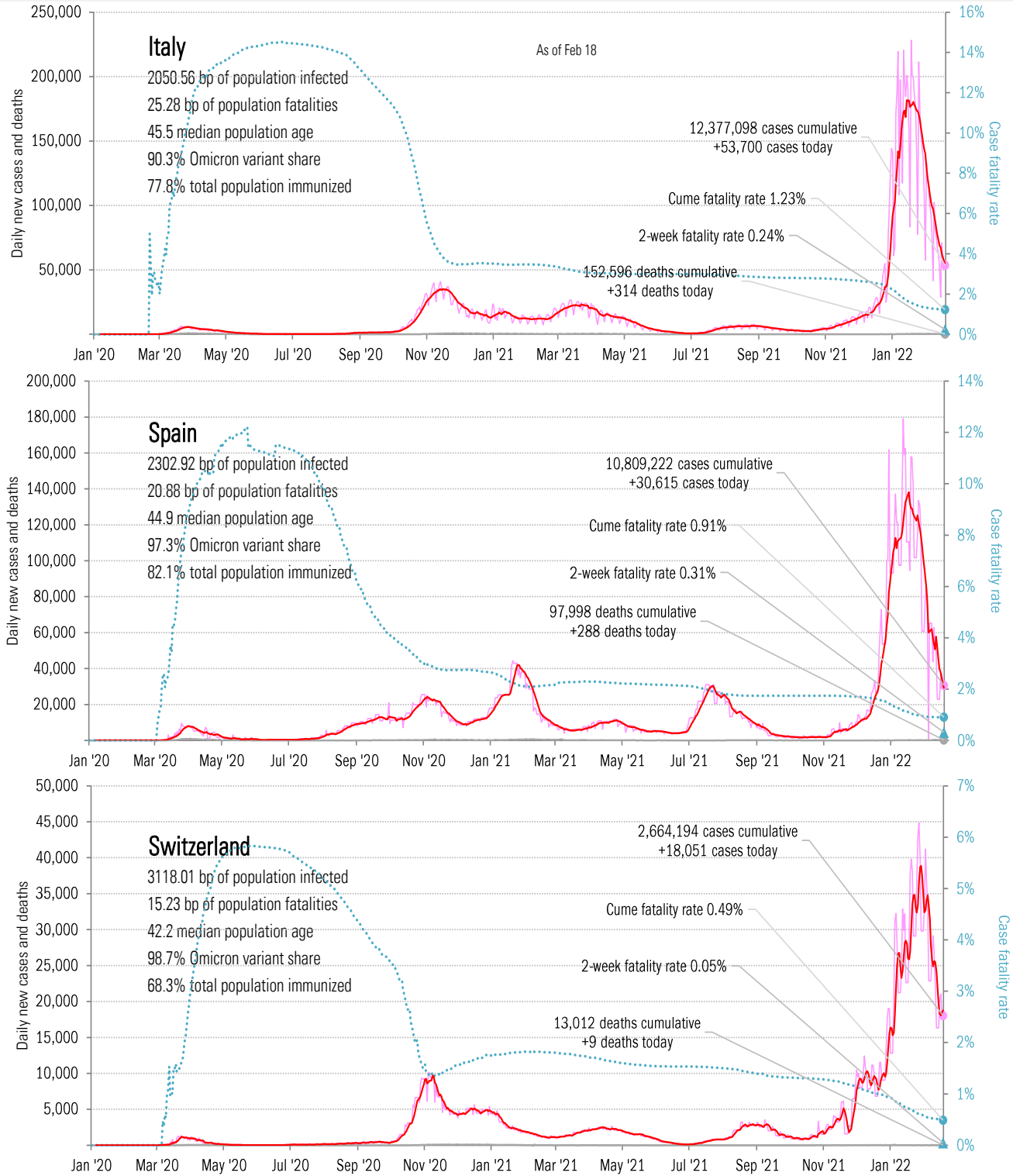
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

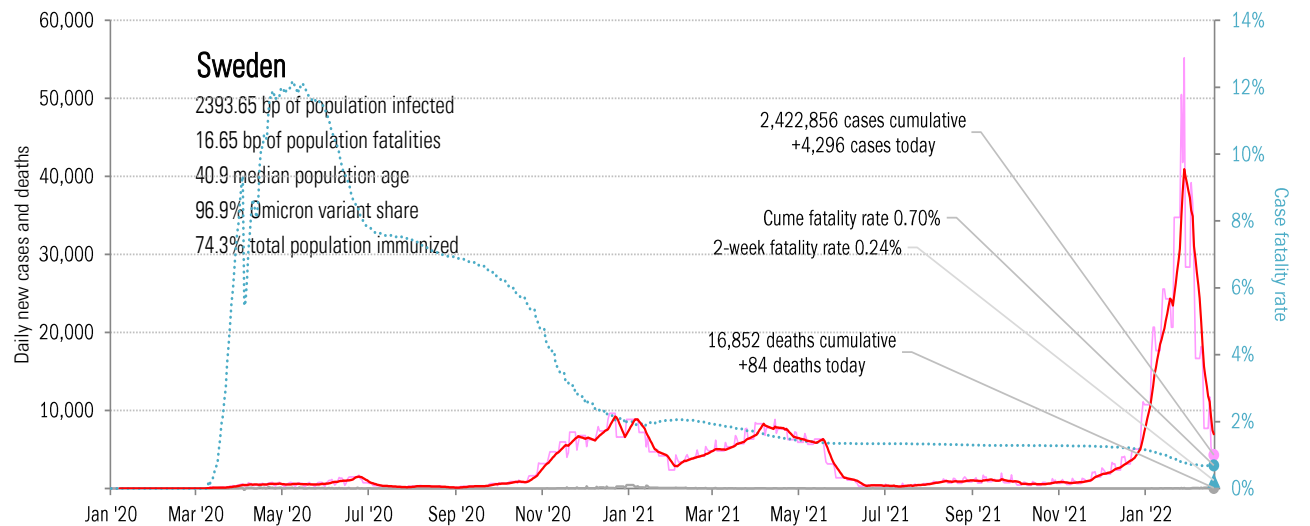
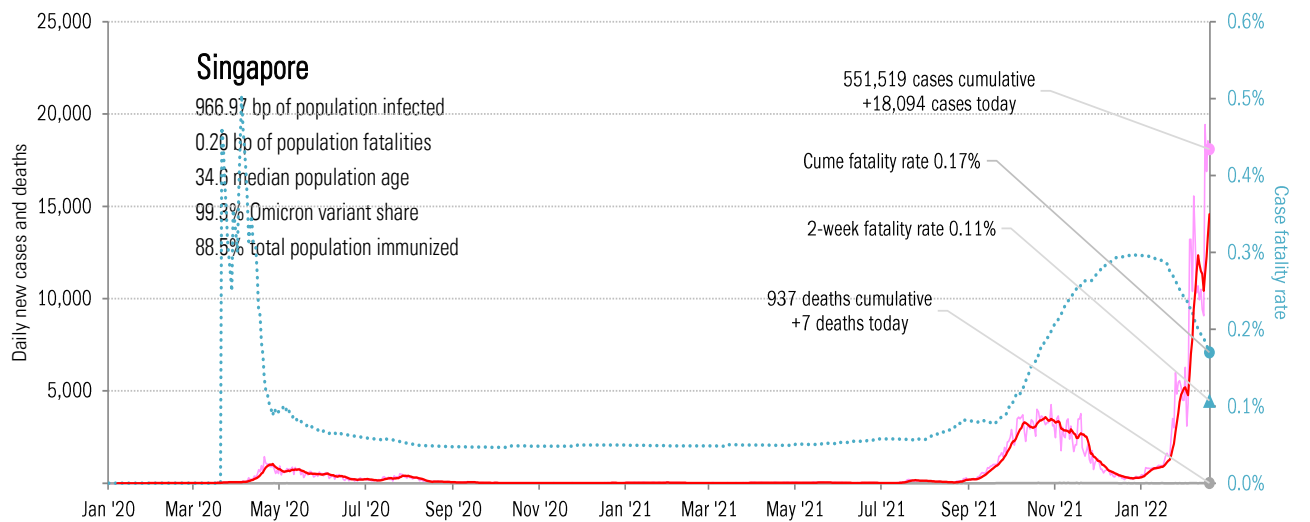
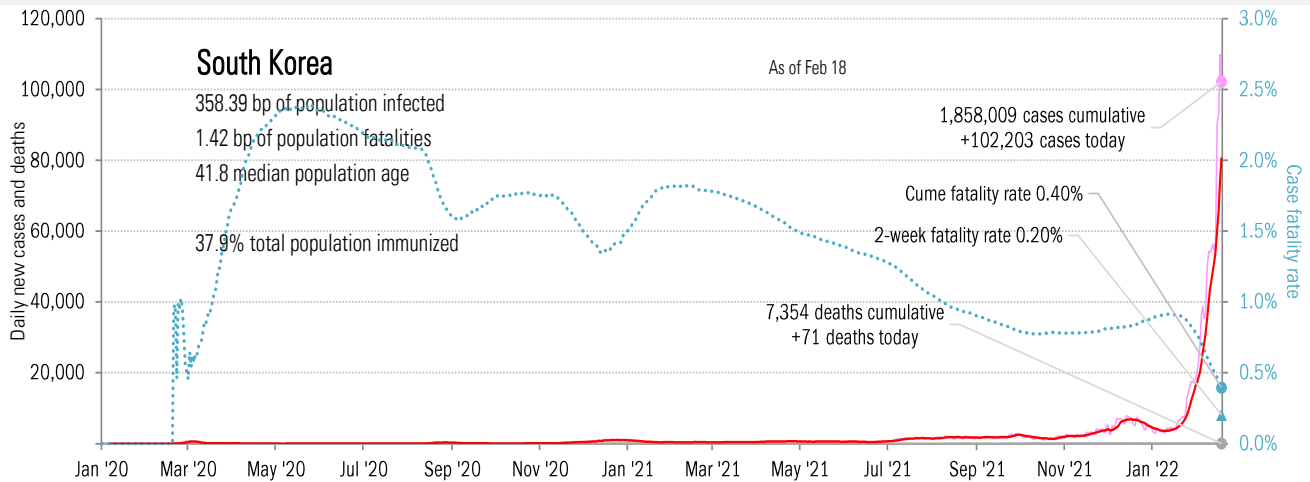
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

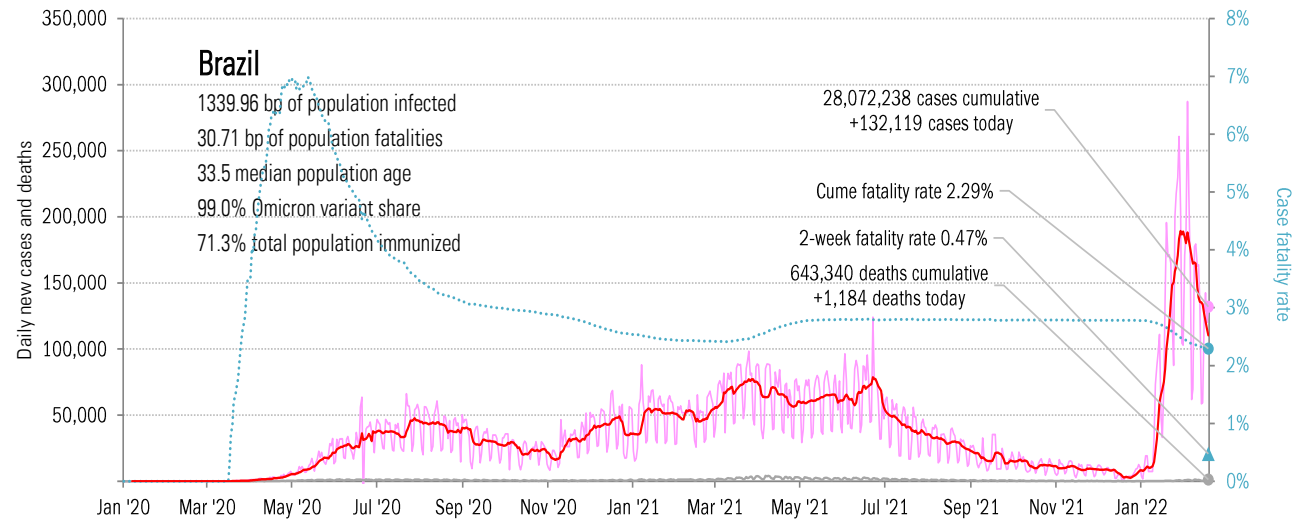
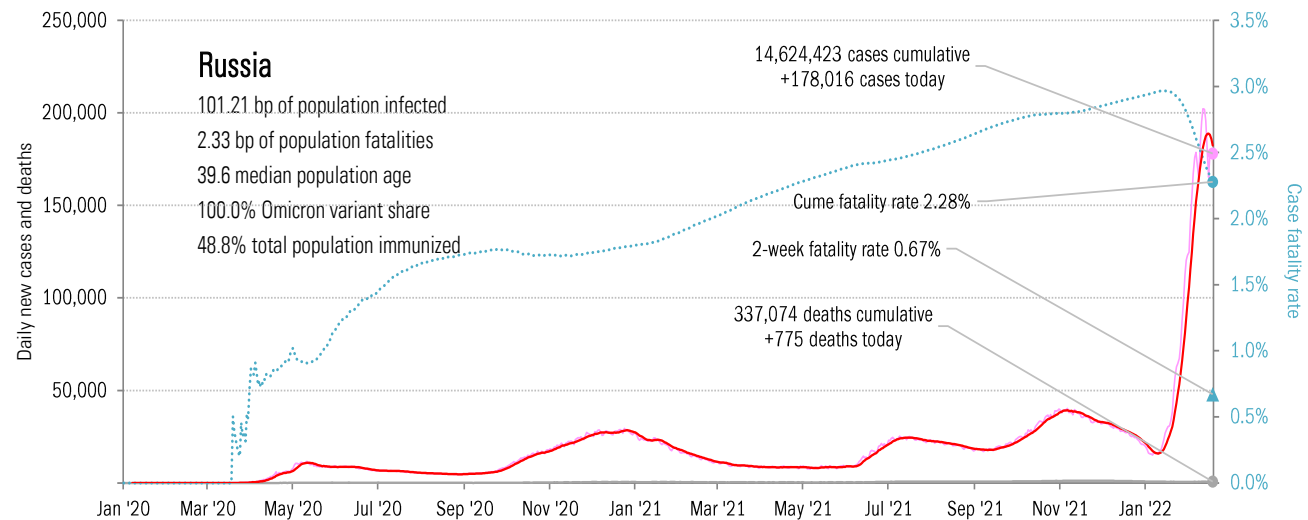
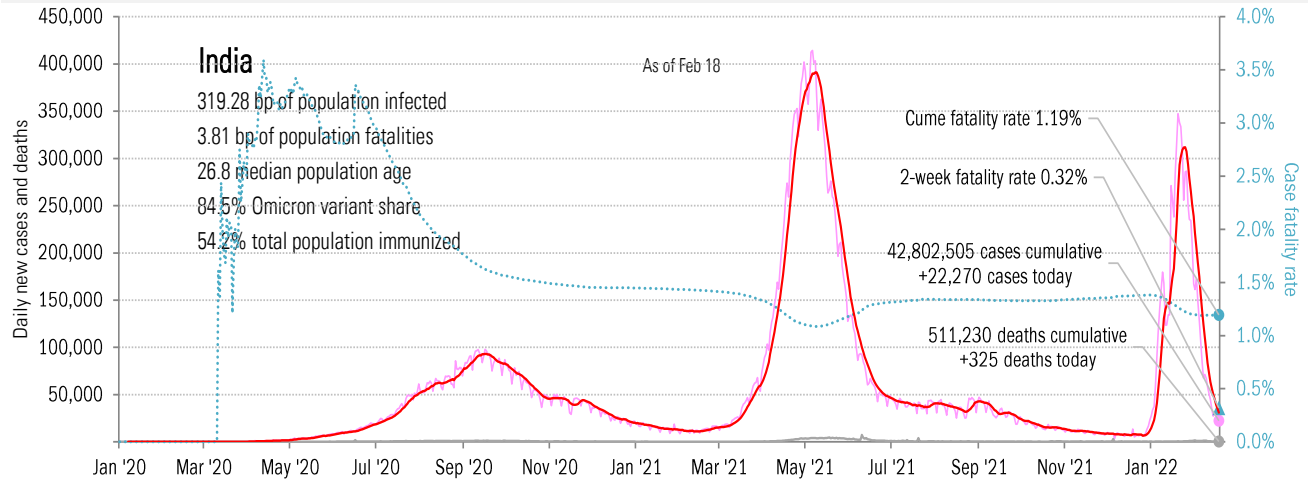
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

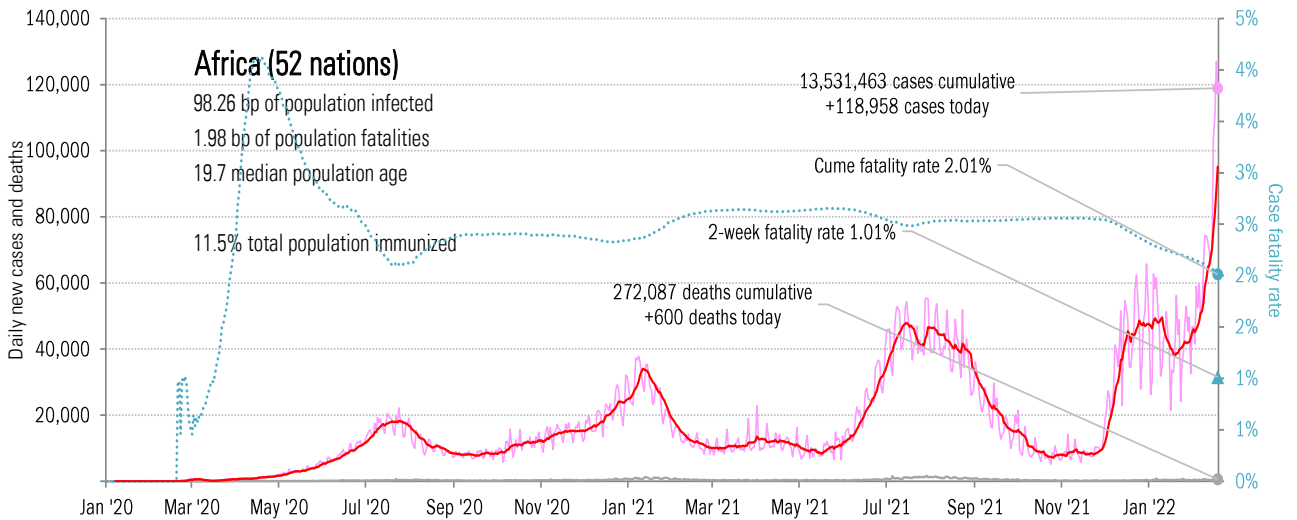
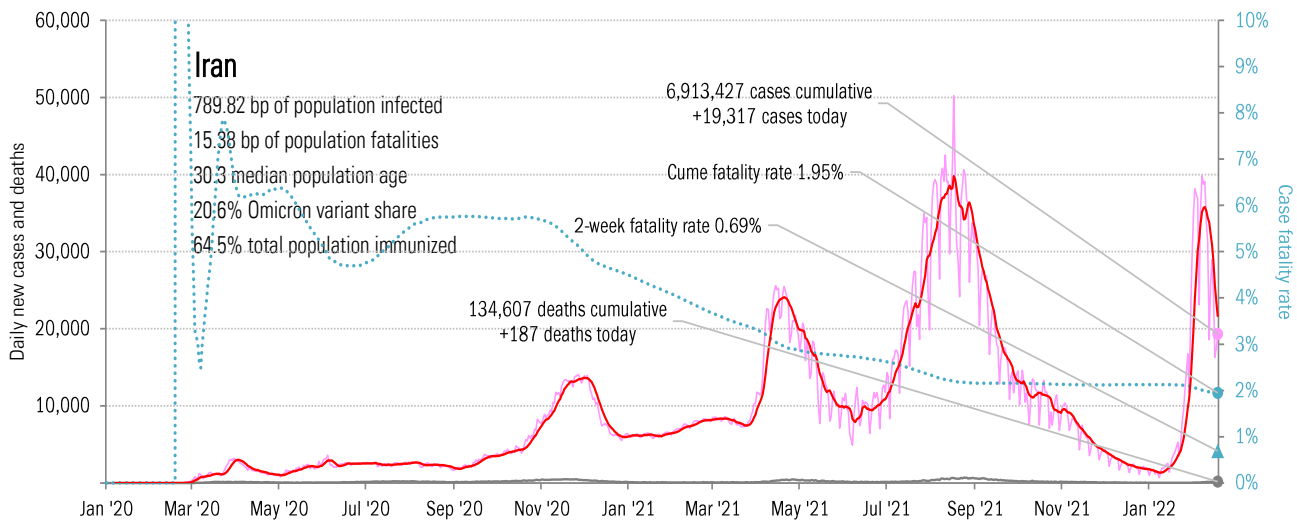
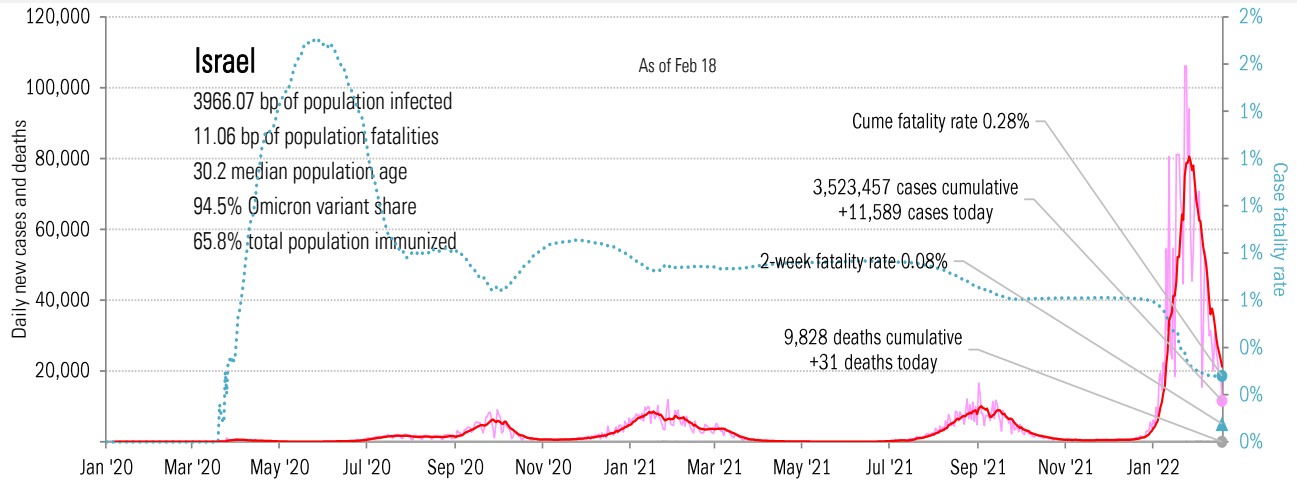
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

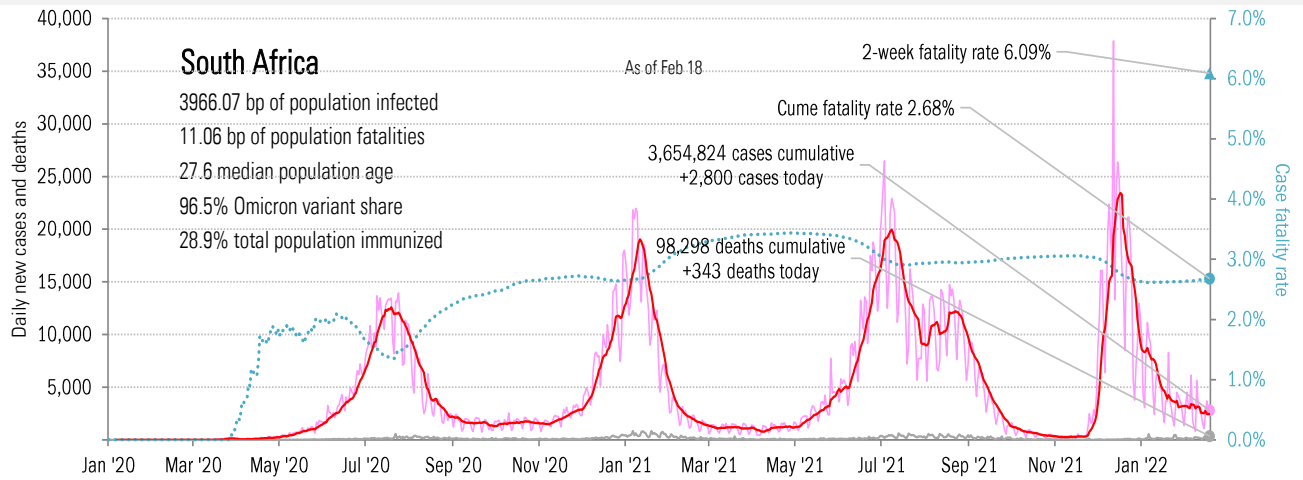
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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