

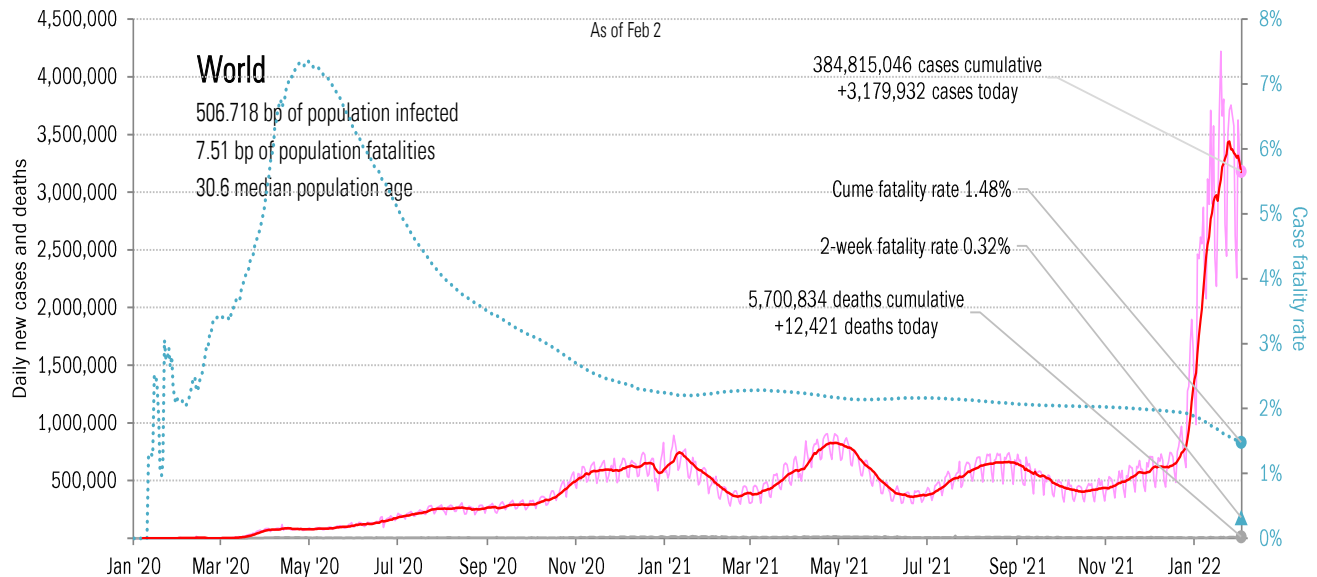
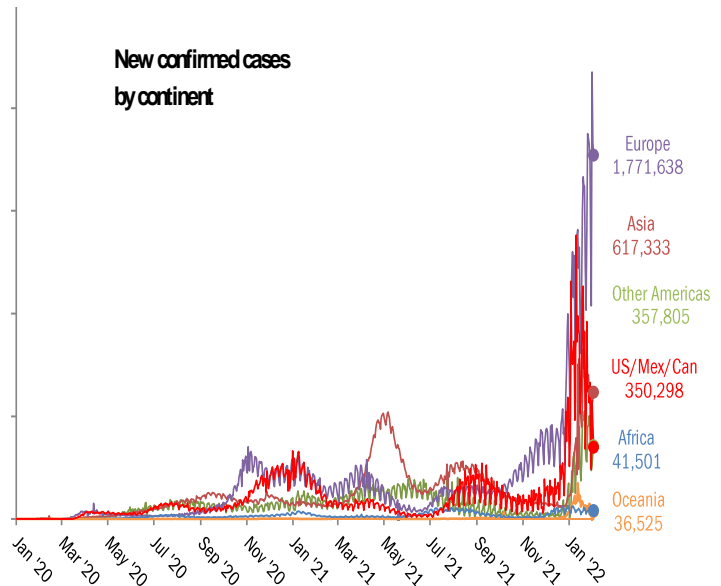
Data Insights: Covid-2019 Monitor

Thursday, February 3, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	334,960	United States	3,673
France	317,070	India	1,008
Germany	238,252	Brazil	945
Brazil	185,964	Russia	665
India	172,433	United Kingdom	534
Russia	141,005	Italy	395
Italy	119,323	Peru	386
Turkey	110,682	Argentina	321
Japan	94,771	Poland	319
United Kingdom	87,682	France	276
1,802,142		8,522	
World 3,179,932		World 12,421	
Top ten 57%		Top ten 69%	



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

For more information contact us:

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

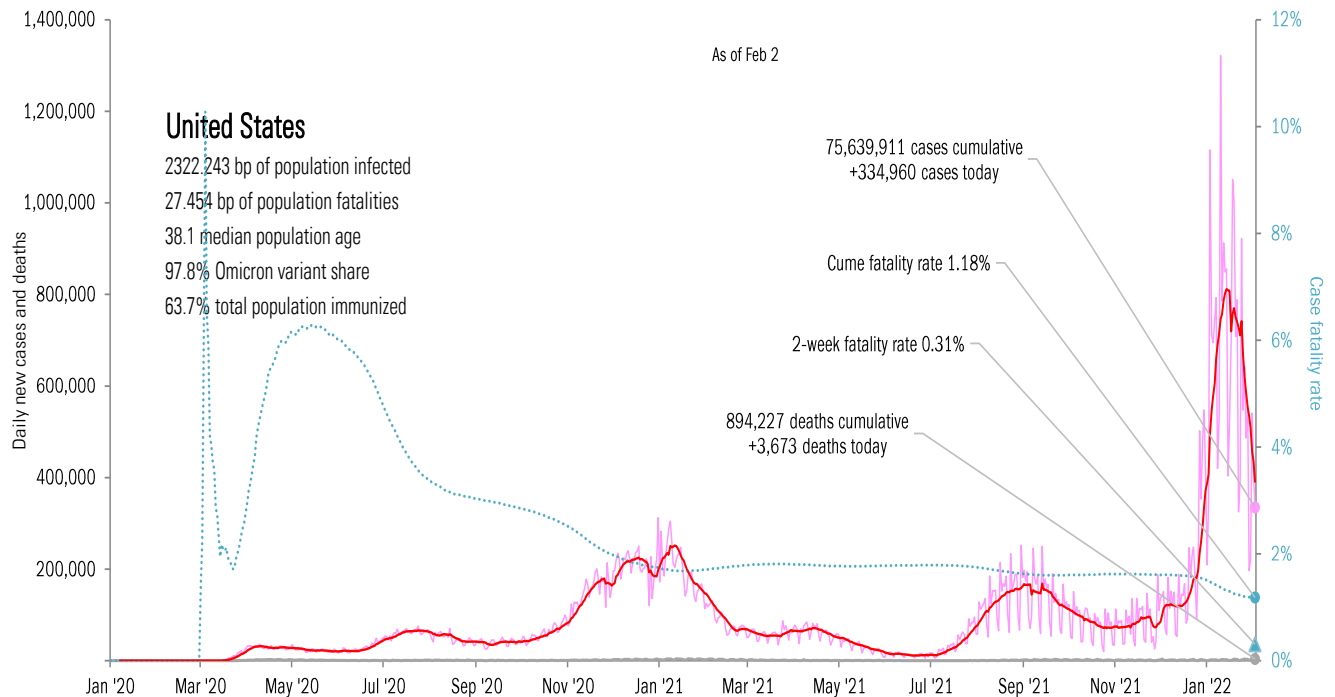
The ten worst US states

New cases			New Deaths		New in hospital		Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
CA	34,729		MI	375	WA	36	CA	8,487,789	CA	80,497	TX	460,816	GA	89%	TX	95%			
TX	28,946		CA	321	ND	9	TX	6,328,979	TX	79,993	CA	394,002	PA	85%	AL	94%			
MI	24,545		TX	294	NE	6	FL	5,532,181	NY	65,257	FL	392,182	RI	85%	CK	92%			
FL	21,715		NY	197	WY	6	NY	4,821,628	FL	65,184	NY	232,956	WV	84%	NV	91%			
WA	15,691		PA	192	NH	4	IL	2,939,099	PA	41,028	GA	194,002	MO	84%	NM	90%			
NC	12,335		VA	160	ME	2	PA	2,674,471	IL	33,556	CH	181,389	MN	84%	MS	90%			
NY	9,691		IA	156	HI	1	CH	2,595,504	CH	33,537	PA	166,777	NH	84%	GA	89%			
MO	9,617		FL	129	SD	1	NC	2,442,891	GA	33,163	IL	148,980	MA	83%	AR	89%			
IL	9,463		MS	126	AS	0	GA	2,386,298	MI	32,638	MI	133,337	FL	83%	KY	87%			
TN	9,023		IN	111	GU	0	MI	2,283,010	NJ	31,663	KY	132,652	WA	83%	MO	87%			
175,755			2,061		65		40,491,850			496,516			2,437,093						
All states 334,960			3,673		-3,489		All states 75,639,911			894,227			4,407,996			All states 70%		67%	
Top ten 52%			56%		-2%		Top ten 54%			56%			55%			Median 79%		81%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TN	-91,912	MO	-237	CA	-535	WA	+20 bp
SC	-28,765	SC	-141	AZ	-206	AZ	+10 bp
MN	-17,427	AZ	-116	CK	-182	CO	+10 bp
TX	-12,751	PA	-63	NC	-142	DE	+10 bp
IA	-4,529	CT	-59	AL	-119	GA	+10 bp

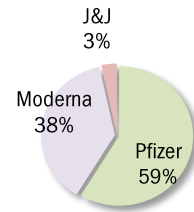


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	554,255,171		+0.719 million	US	63.7%	75.4%
Boosters	89,804,074		+0.332 million	UK	71.1%	76.8%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	257,889,097	77%	218,194,126	65%	+0.179 million	France 76.5% 79.8%
Age 12 to 17	16,990,325	67%	14,358,650	57%	+0.020 million	Spain 81.9% 87.6%
Age 18 to 64	174,048,389	86%	147,361,989	72%	+0.091 million	Germany 73.5% 75.2%
Age 65 and over	57,949,105	100%	50,126,046	91%	+0.010 million	Italy 76.6% 83.3%

Israel	65.6%	72.0%
Canada	79.4%	85.0%
Japan	79.2%	80.4%
Africa	10.9%	16.1%
India	51.5%	67.9%
Brazil	70.2%	79.9%
China	85.0%	87.7%



AK	67.9%
	58.4%

State

At least partial immunity as % population

Full immunity as % population

Best

Middle

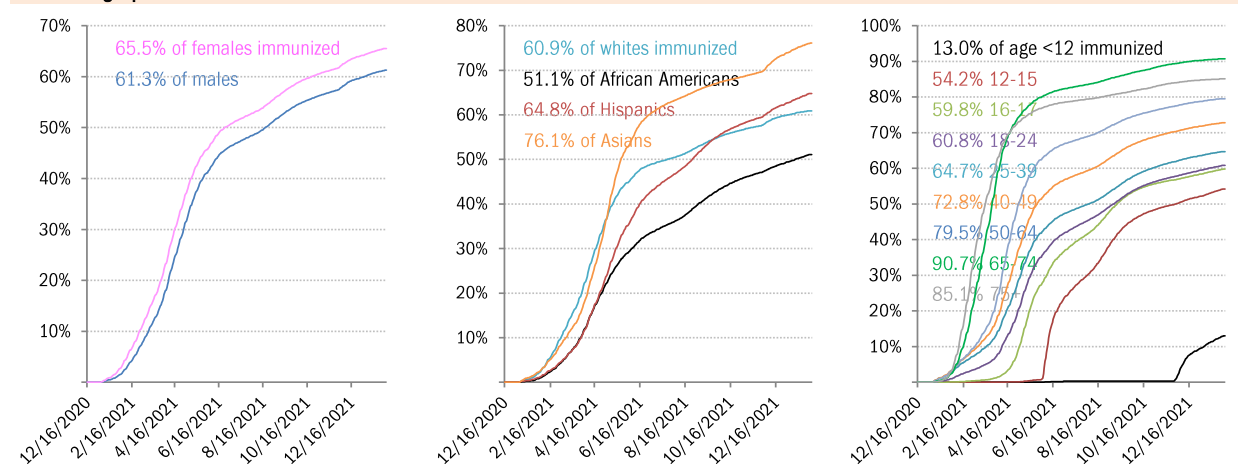
Worst

Immunity = two doses

As of Feb 2

					WI 70.4% 63.7%					ME 88.6% 77.6%
WA 78.8% 70.1%	ID 59.6% 52.3%	MT 63.9% 55.3%	ND 64.0% 54.0%	MN 73.6% 67.1%	IL 75.6% 66.4%	MI 65.2% 58.3%		NY 87.7% 74.3%	VT 92.2% 79.5%	NH 95.0% 68.9%
OR 76.2% 67.9%	NV 73.0% 58.6%	WY 57.3% 49.9%	SD 74.0% 59.0%	IA 66.8% 60.5%	IN 60.0% 53.3%	OH 62.4% 56.9%	PA 82.2% 65.9%	NJ 87.7% 72.9%	MA 95.0% 76.5%	
CA 80.5% 69.2%	UT 69.8% 60.7%	CO 77.5% 68.3%	NE 68.7% 61.6%	MO 64.7% 54.4%	KY 64.7% 55.7%	WV 63.6% 56.2%	VA 83.3% 70.7%	MD 83.8% 72.7%	CT 92.7% 76.7%	RI 94.7% 79.1%
	AZ 70.2% 58.9%	NM 84.7% 68.4%	KS 72.6% 59.2%	AR 65.0% 52.7%	TN 60.7% 52.8%	NC 81.0% 58.5%	SC 65.8% 55.0%	DC 93.4% 70.1%	DE 80.5% 66.4%	
			OK 69.3% 55.2%	LA 59.5% 51.9%	MS 58.2% 50.2%	AL 61.2% 49.5%	GA 63.7% 53.0%			
			TX 69.8% 59.0%					FL 77.3% 65.2%		PR 93.3% 79.6%
HI 85.1% 76.0%										

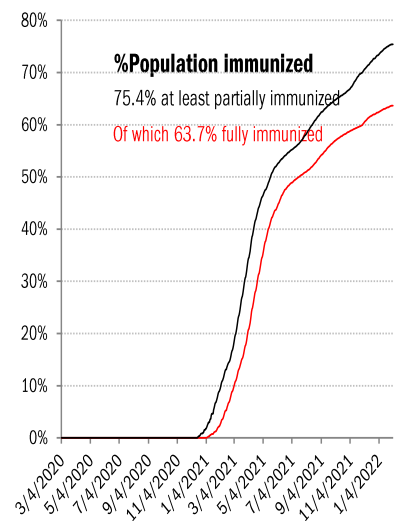
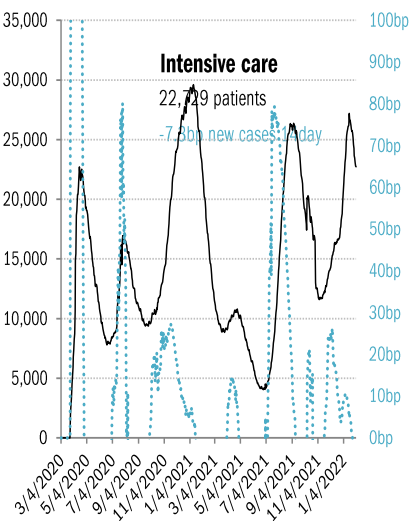
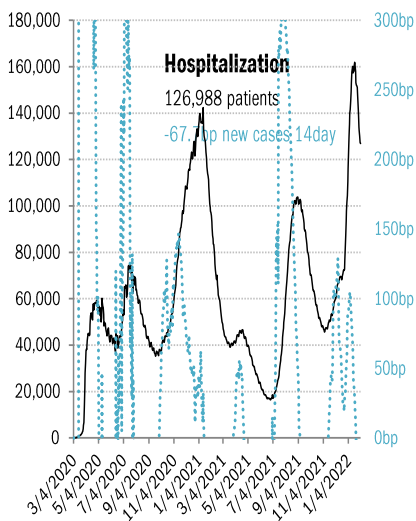
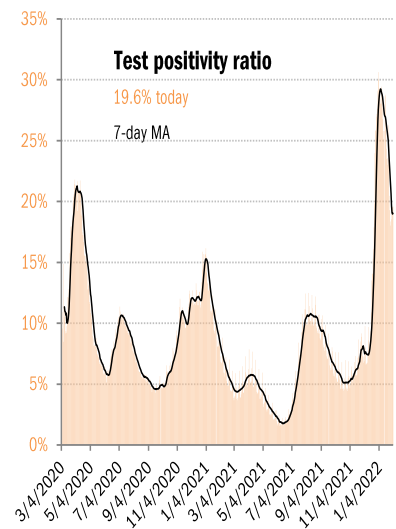
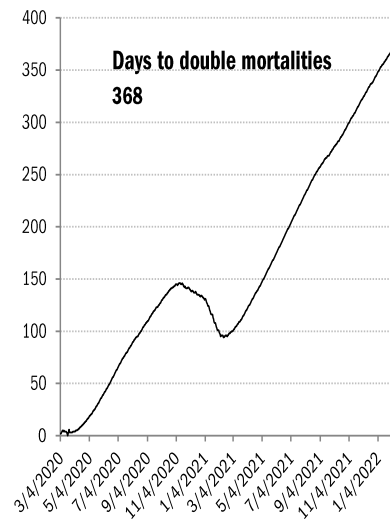
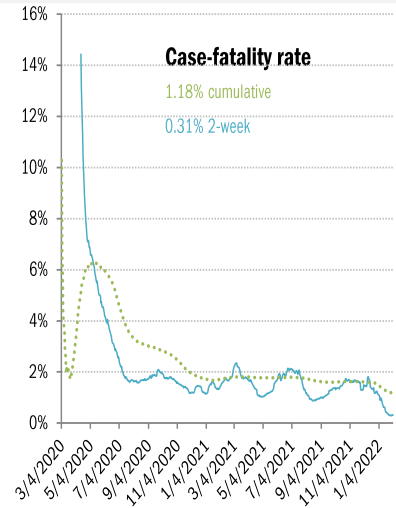
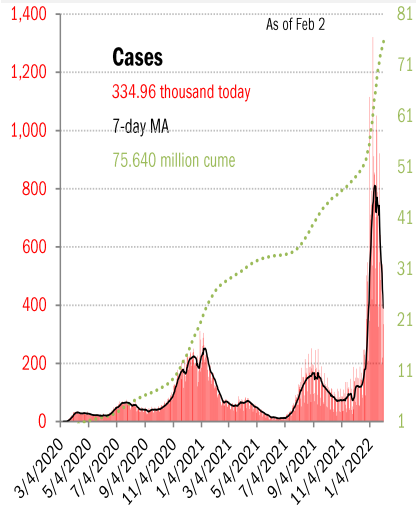
The demographics of US vaccination



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

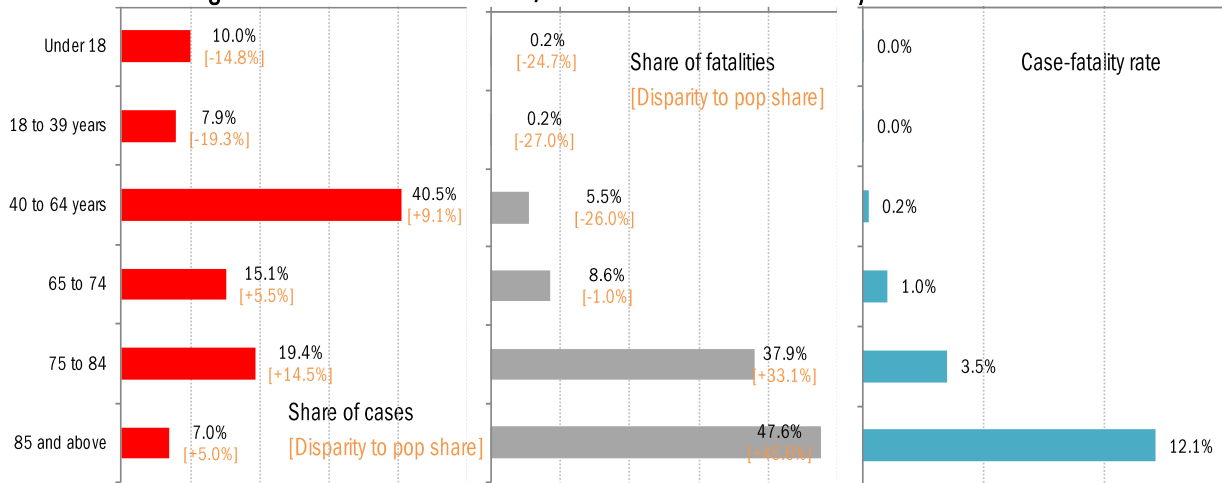
US deep-dive

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

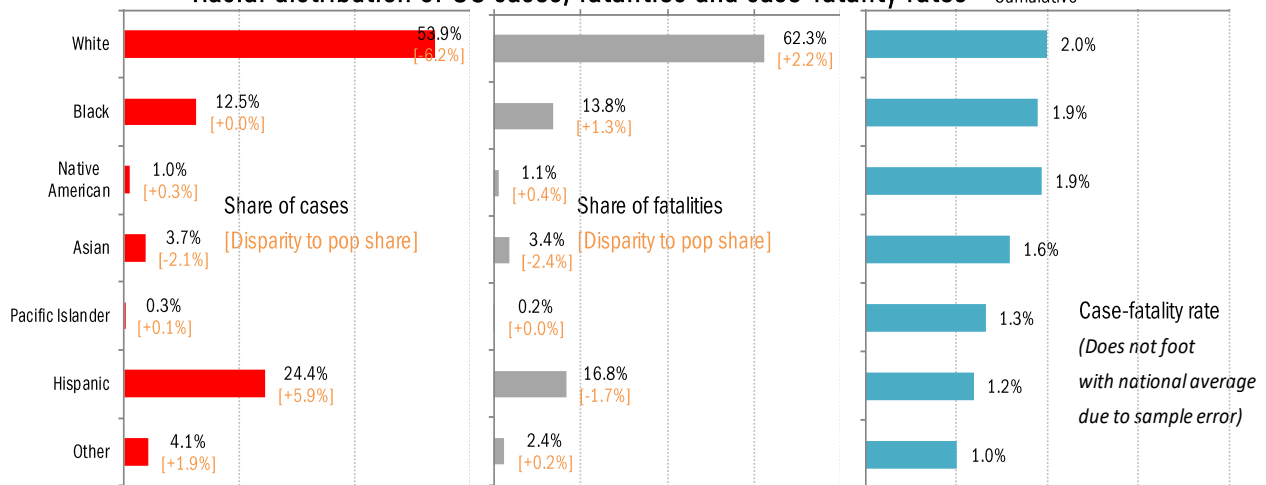


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

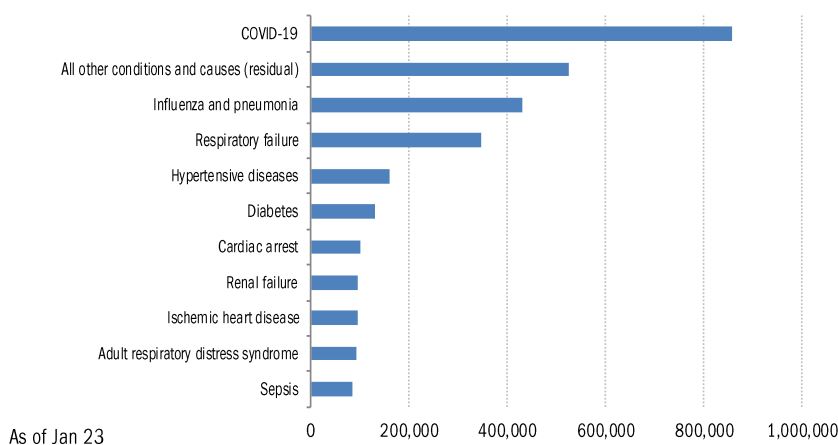


Racial distribution of US cases, fatalities and case-fatality rates



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

[The U.S. Army will begin dismissing vaccine holdouts.](#)

Adeel Hassan

New York Times

February 2, 2022

[The Twilight of Covid Mandates in Europe](#)

Wall Street Journal

February 2, 2022

[‘No’ on Sarah Bloom Raskin](#)

Tim Stewart and Kathleen Sgamma

Wall Street Journal

February 2, 2022

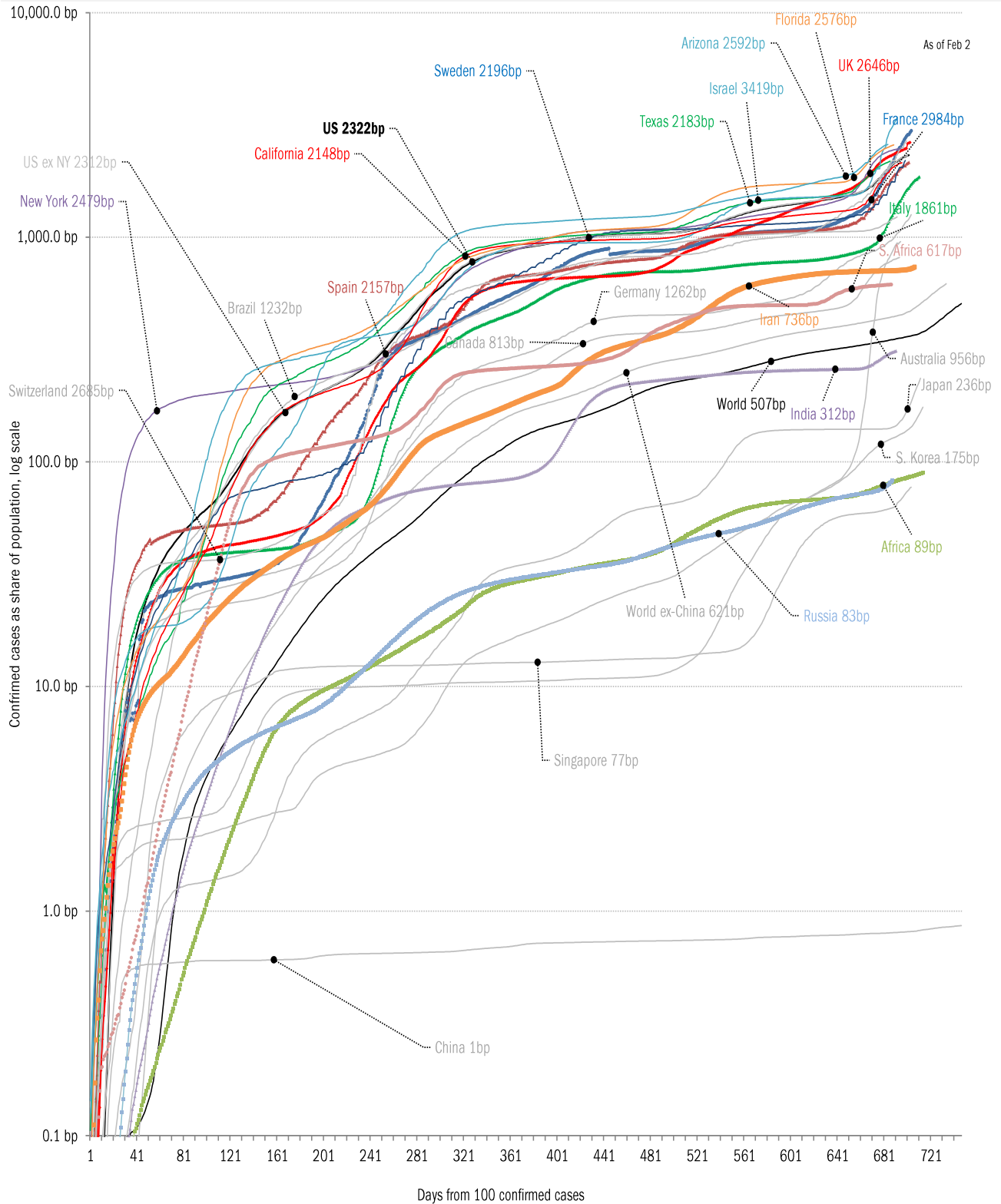
Meme of the day

**“JUST ONE
MORE LOCKDOWN,
MY KING...”**



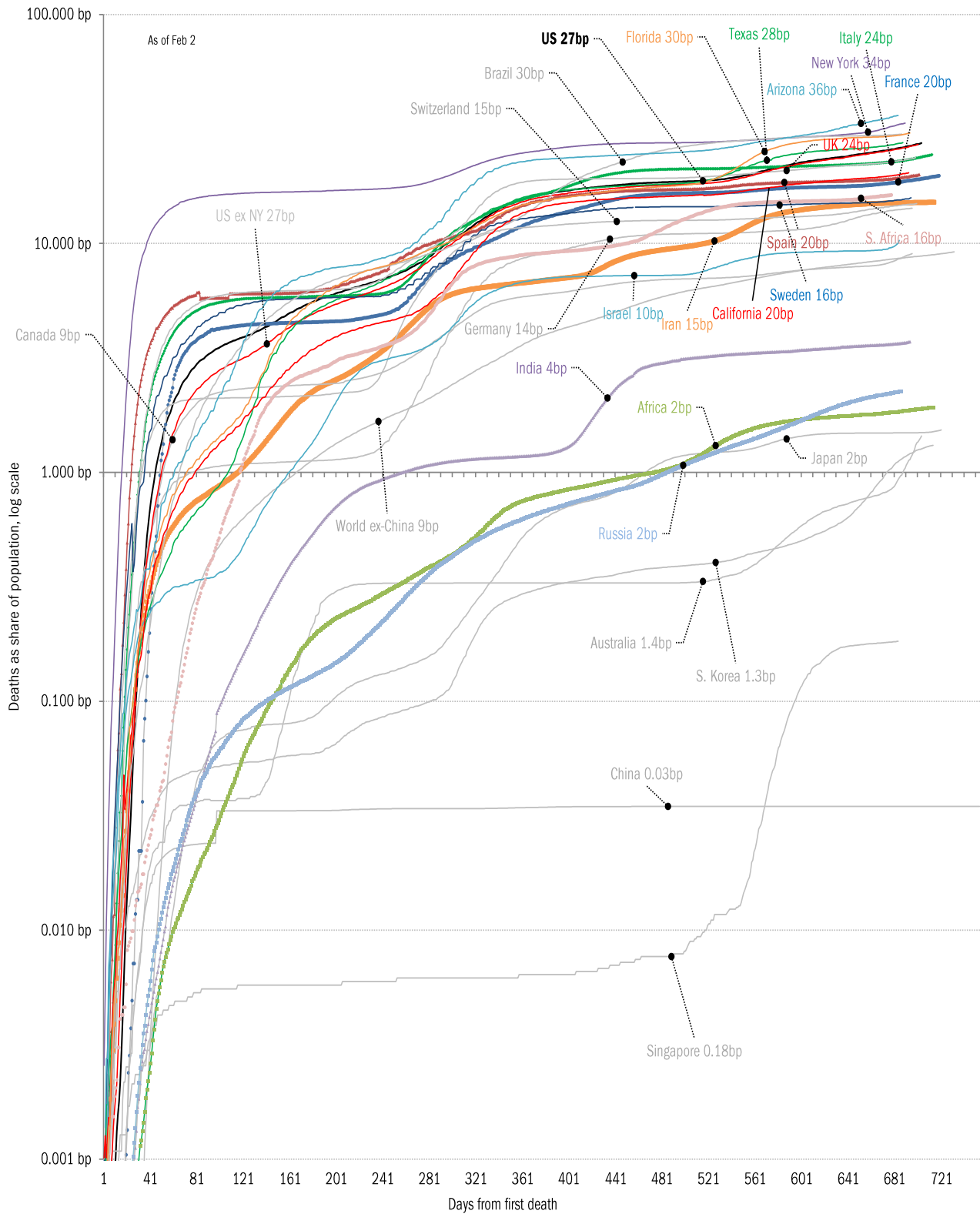
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

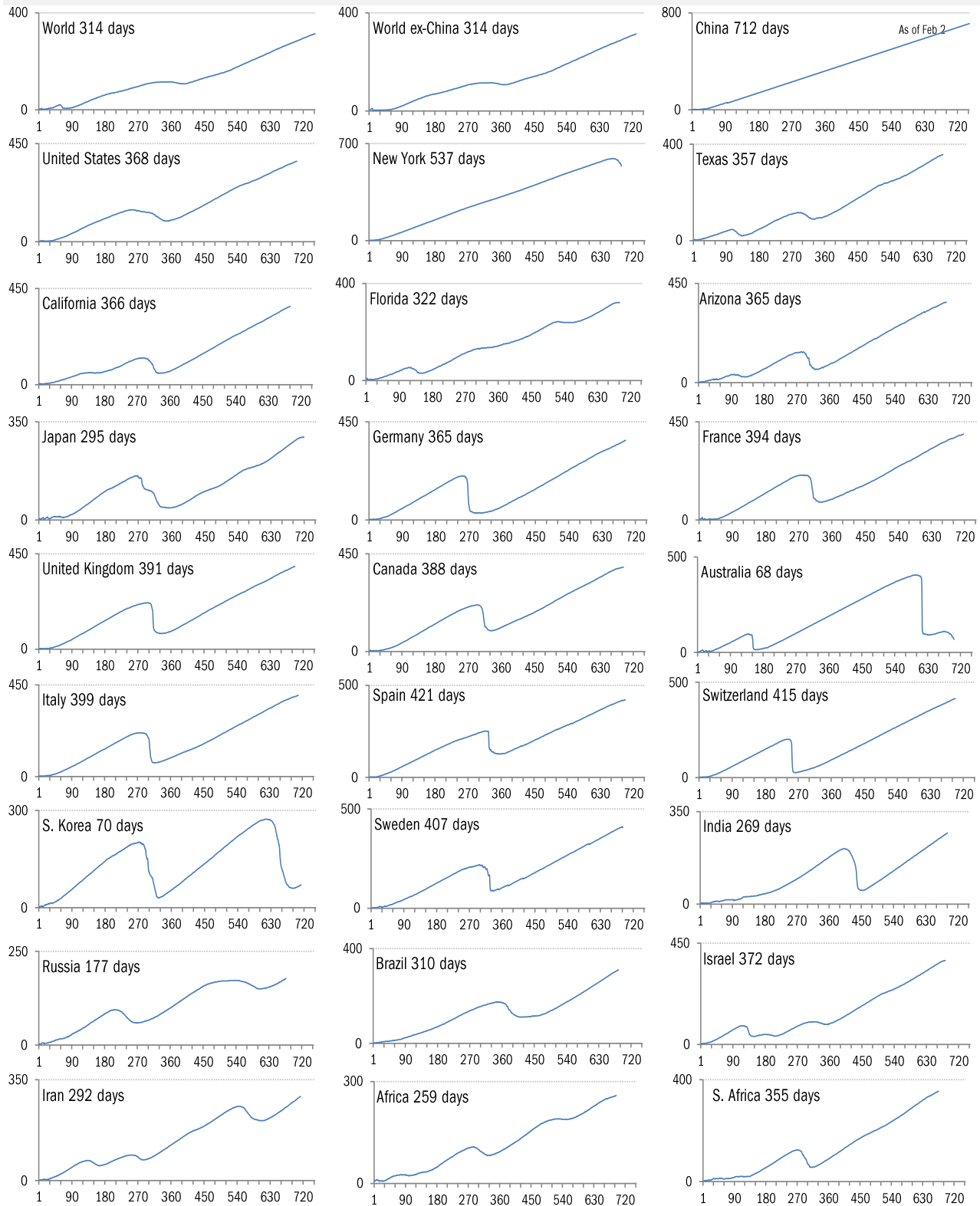


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

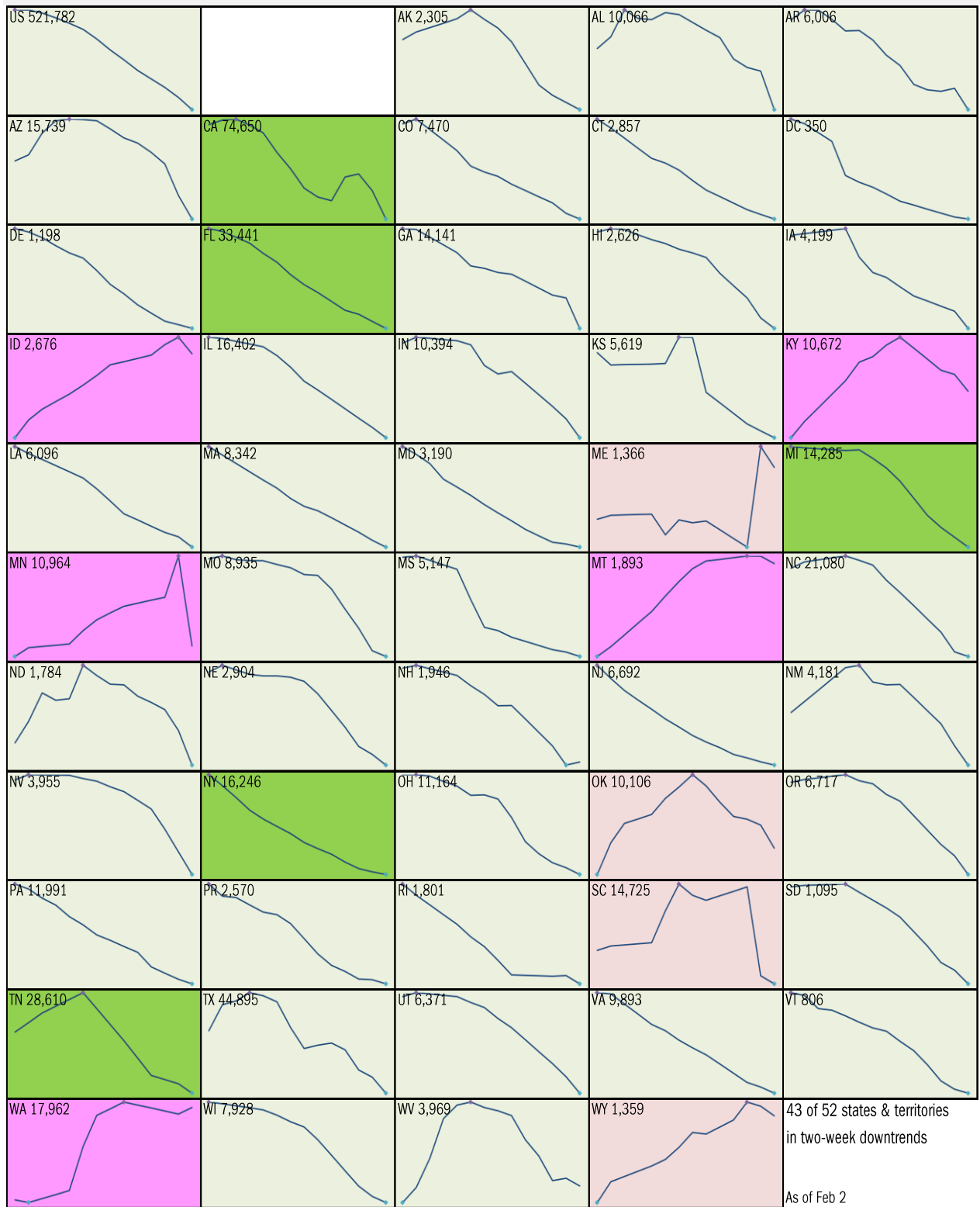
Vertical: days to double deaths Horizontal: days from first death

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

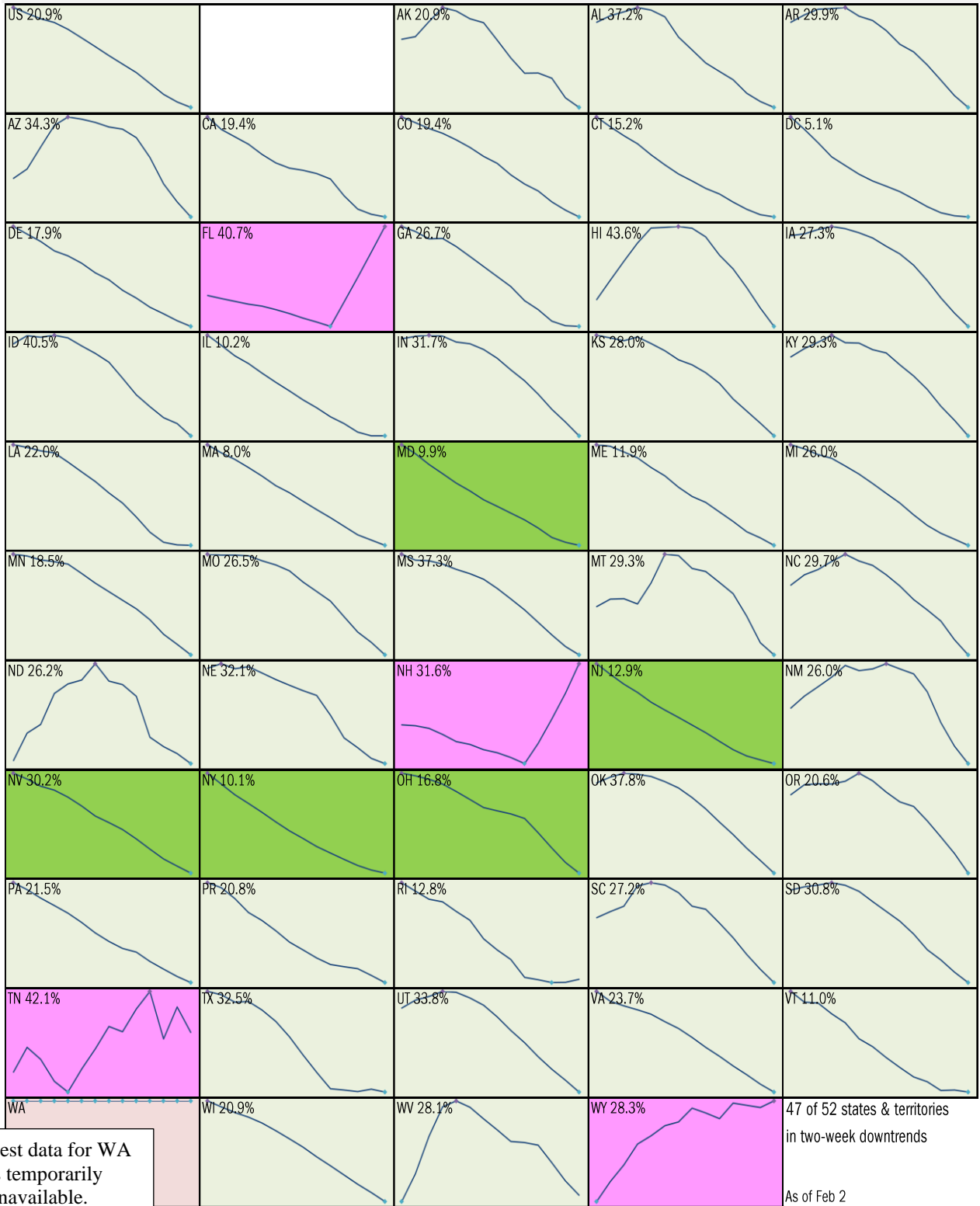


Source: [Johns Hopkins](#), TrendMacro calculations

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



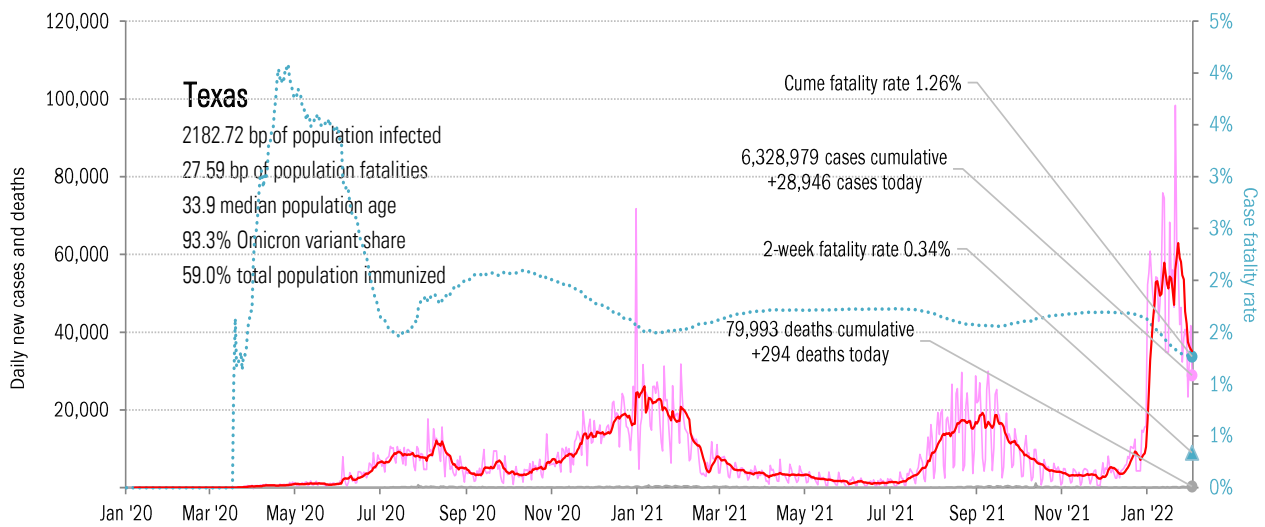
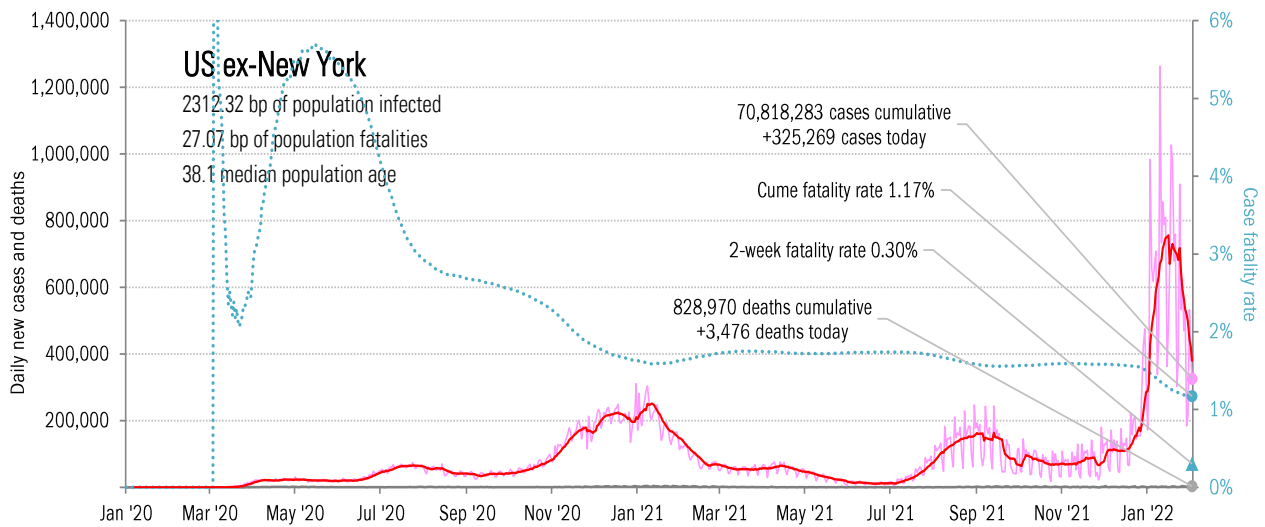
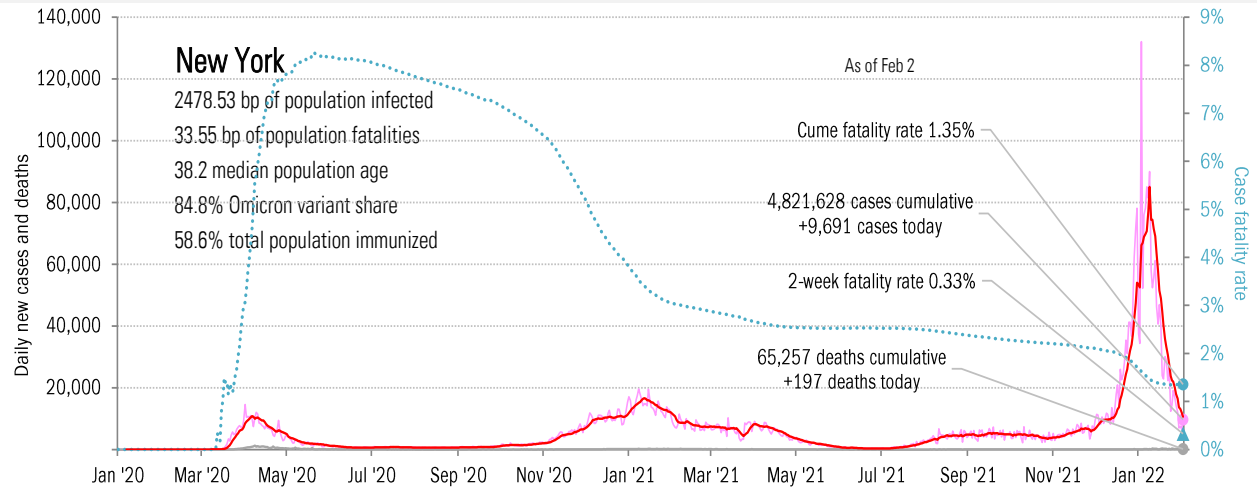
47 of 52 states & territories in two-week downtrends
As of Feb 2

Test data for WA is temporarily unavailable.

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

From Ground Zero to the Rio Grande

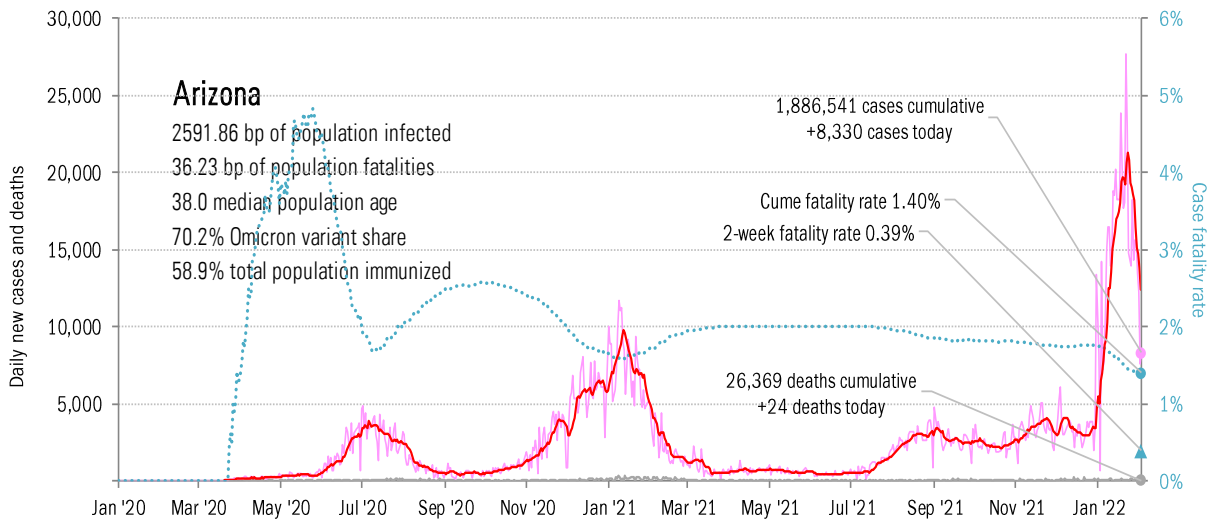
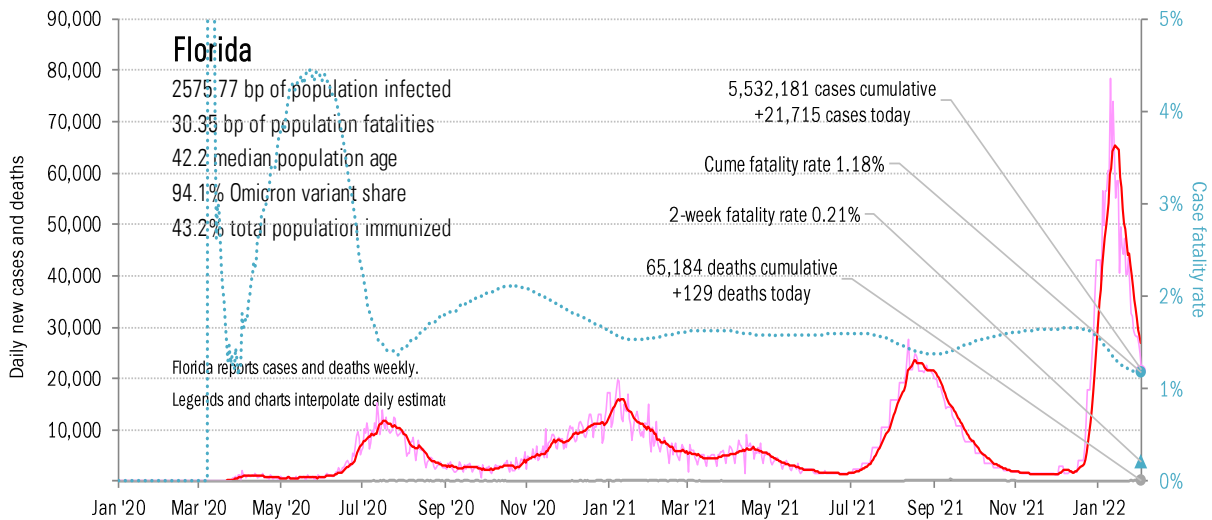
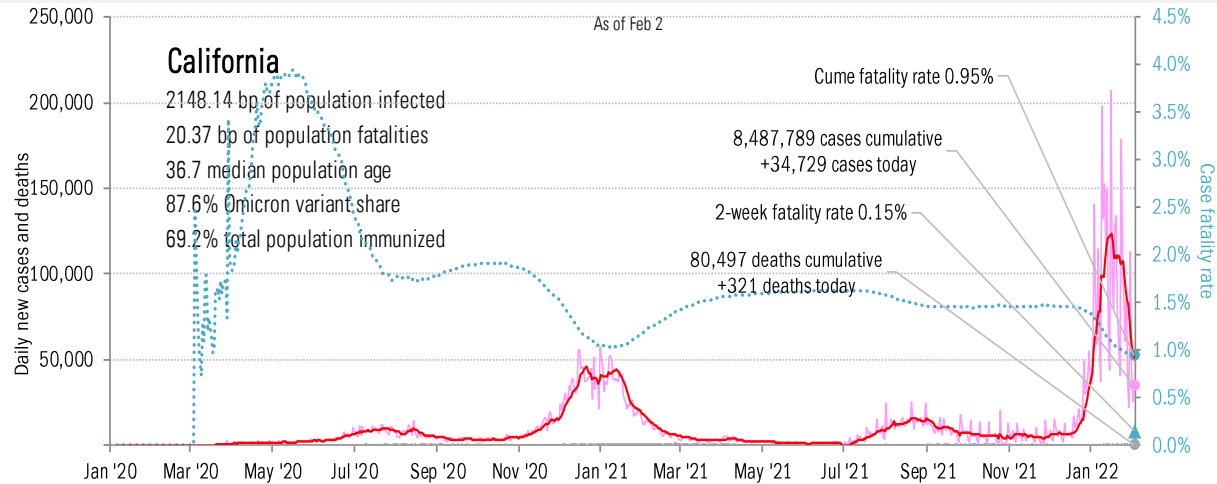
Cases: 7-day average and daily Deaths: Daily



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

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

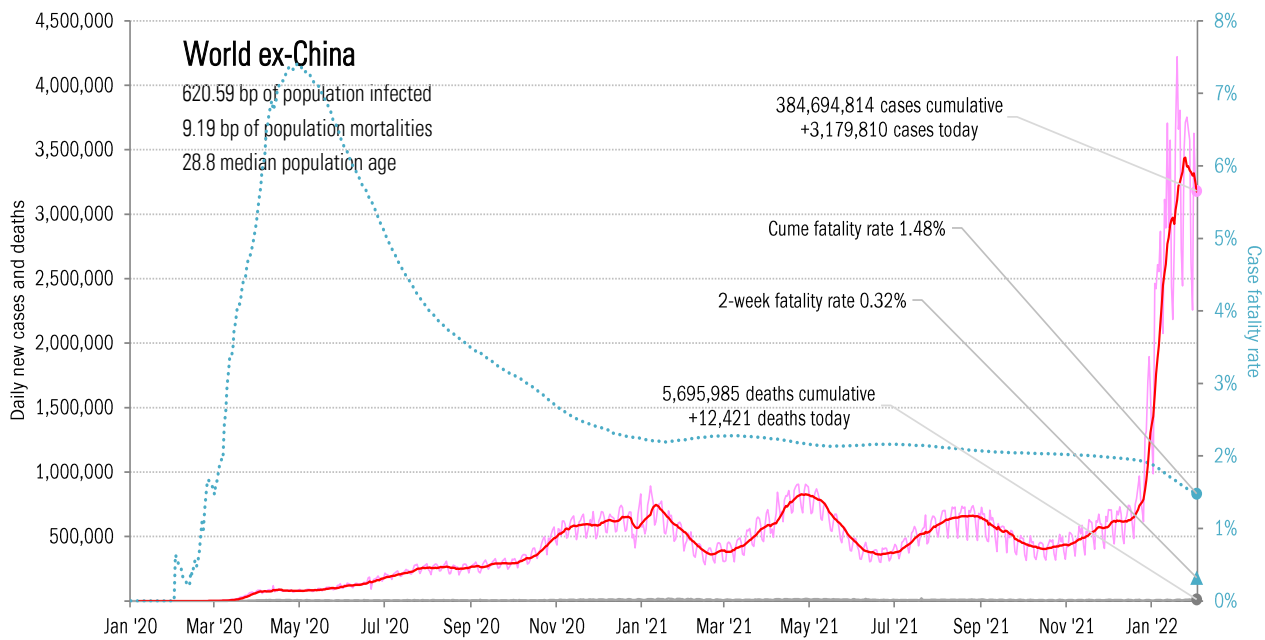
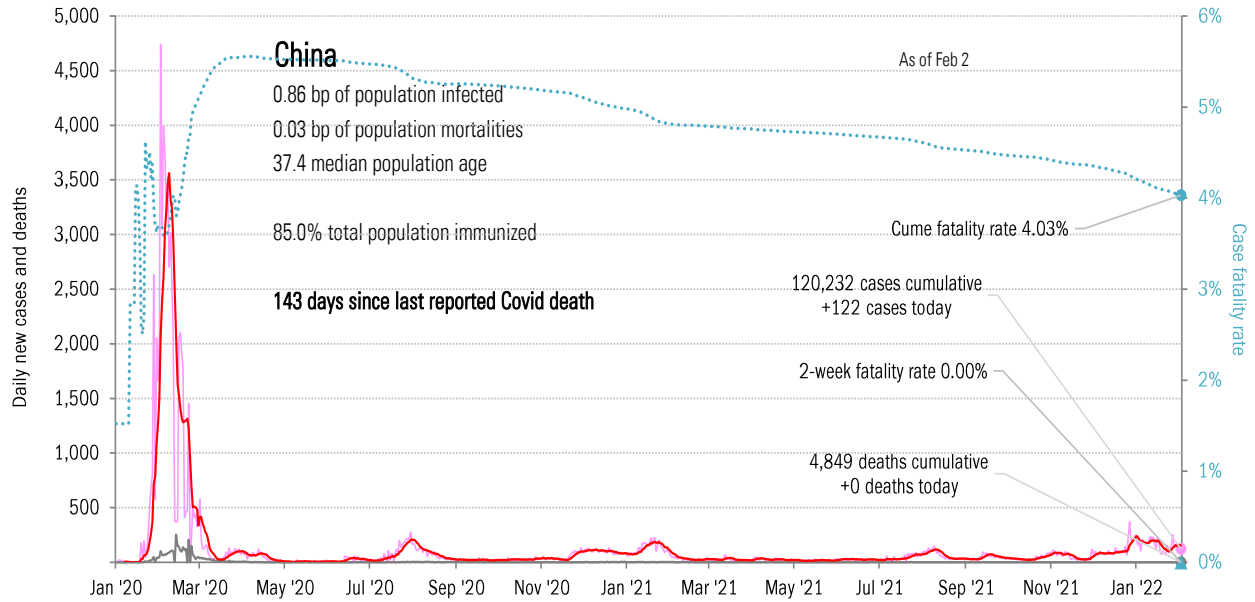
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

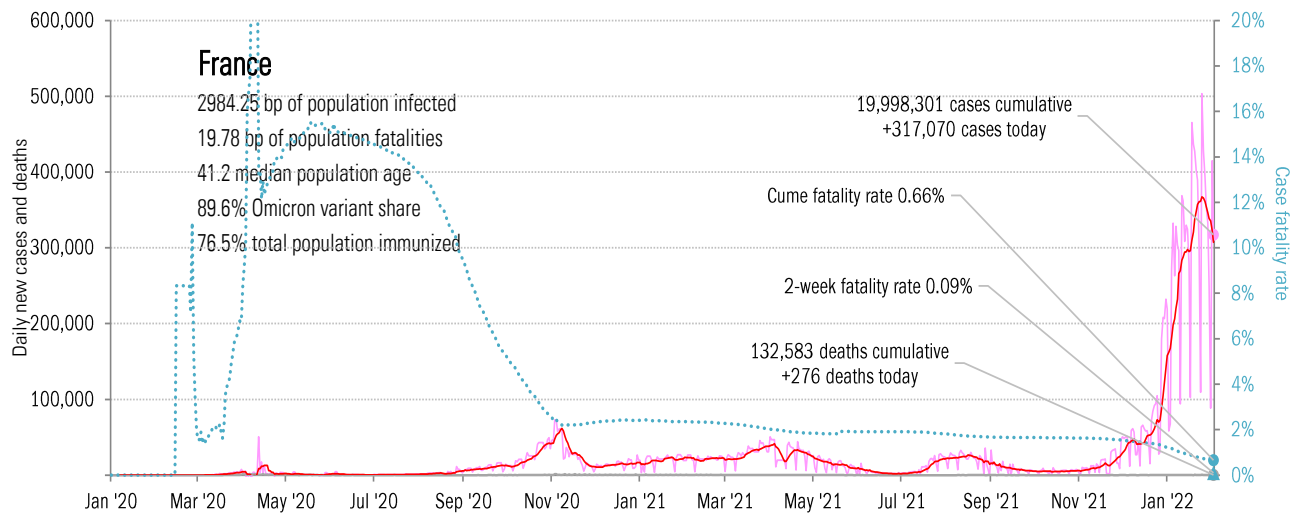
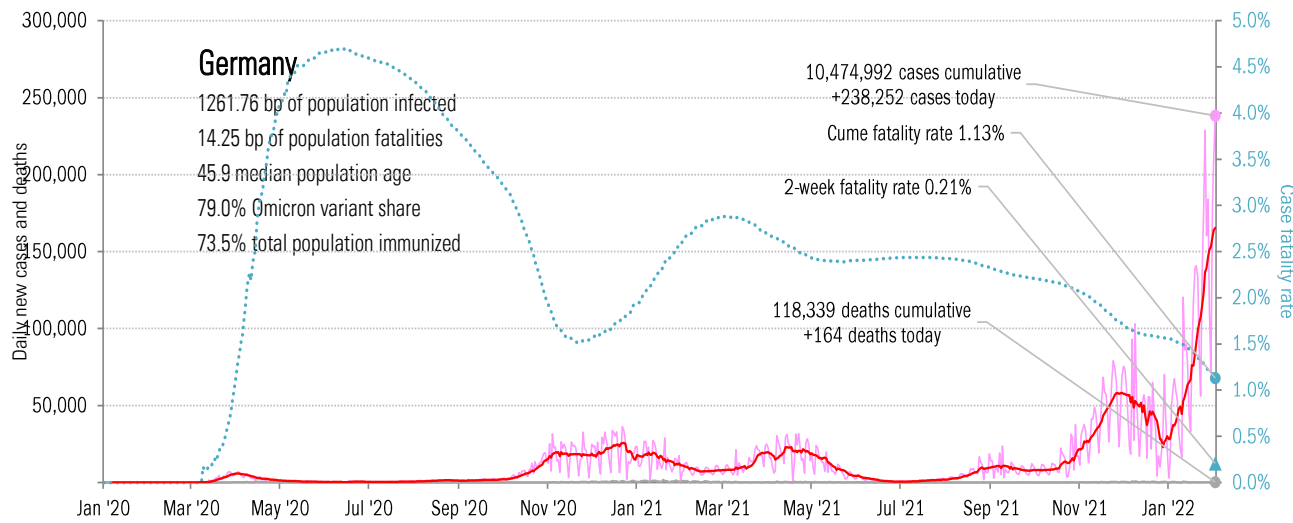
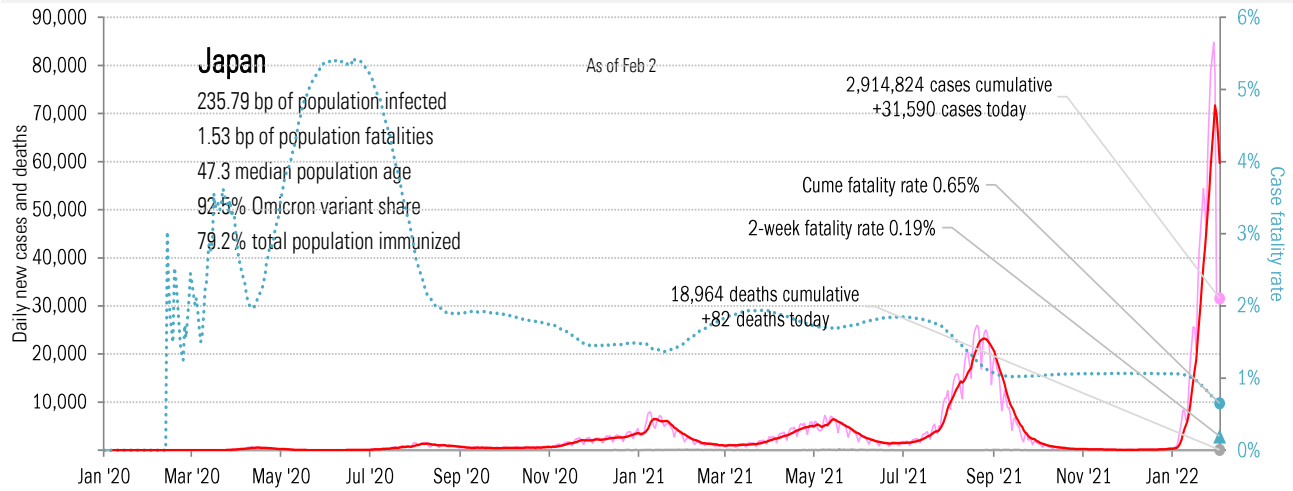
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

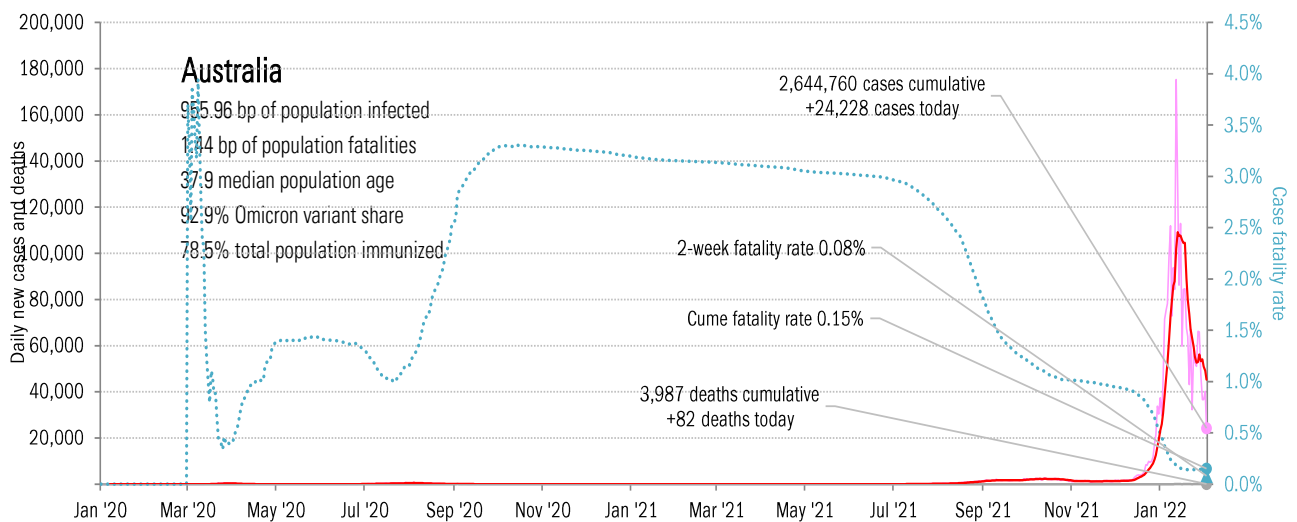
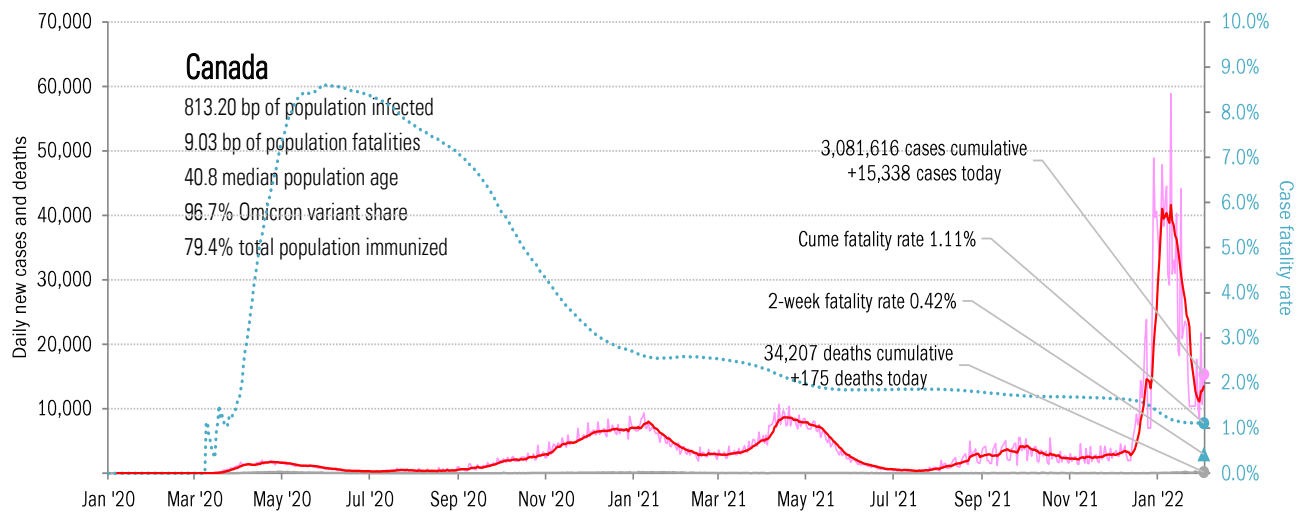
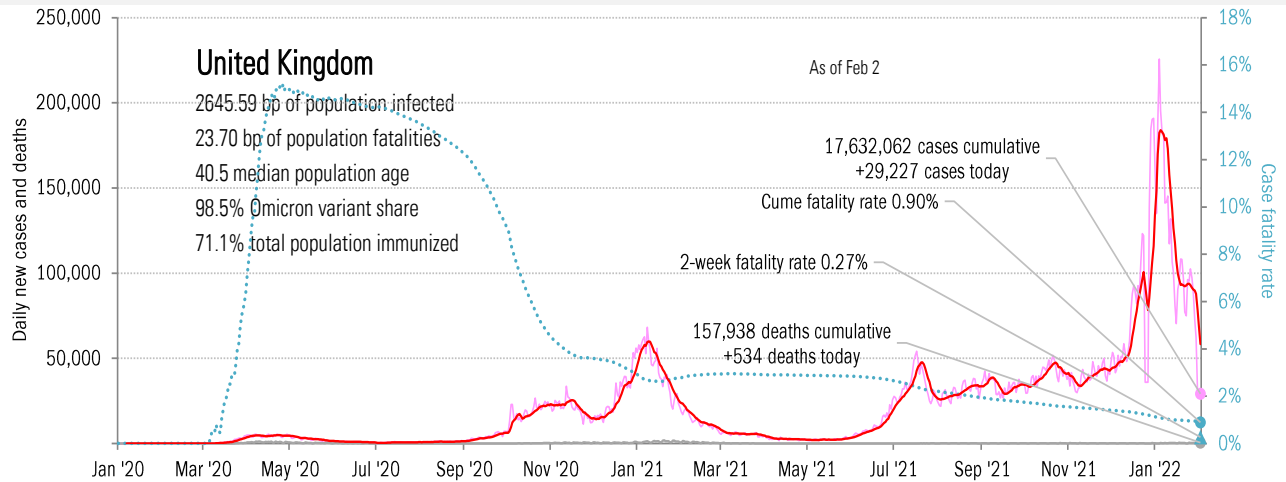
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

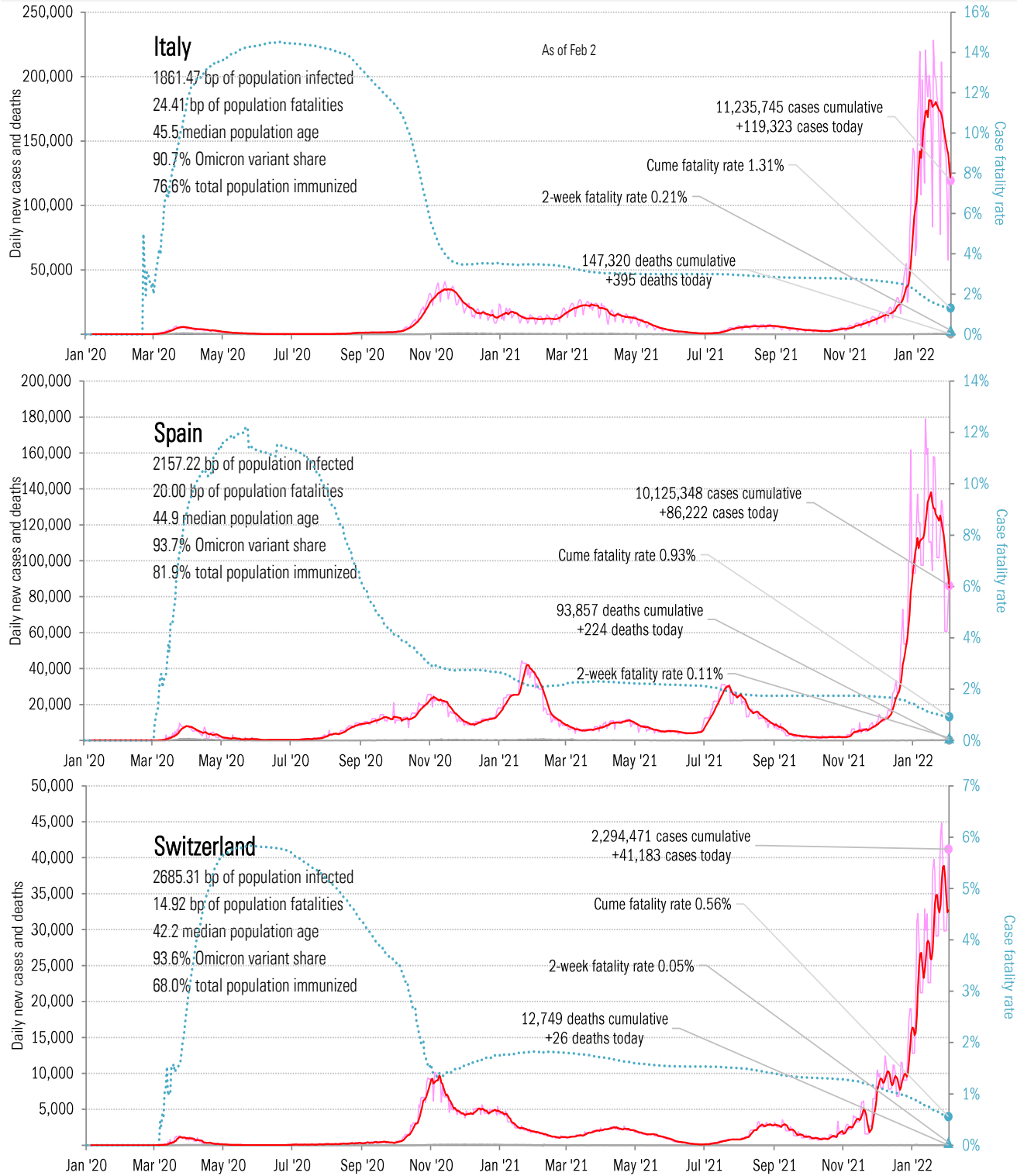
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

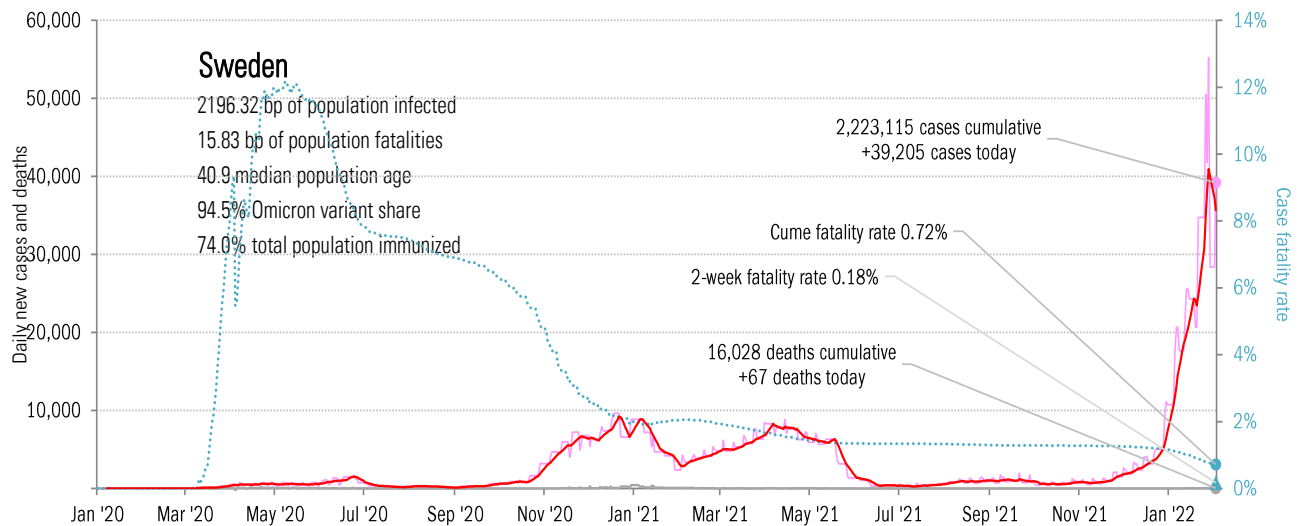
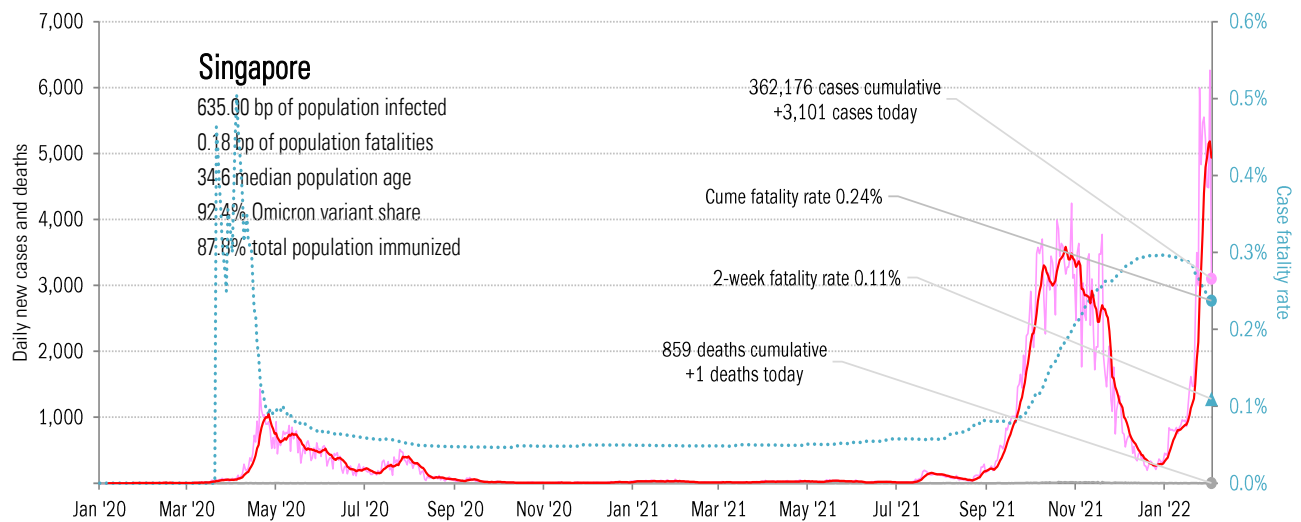
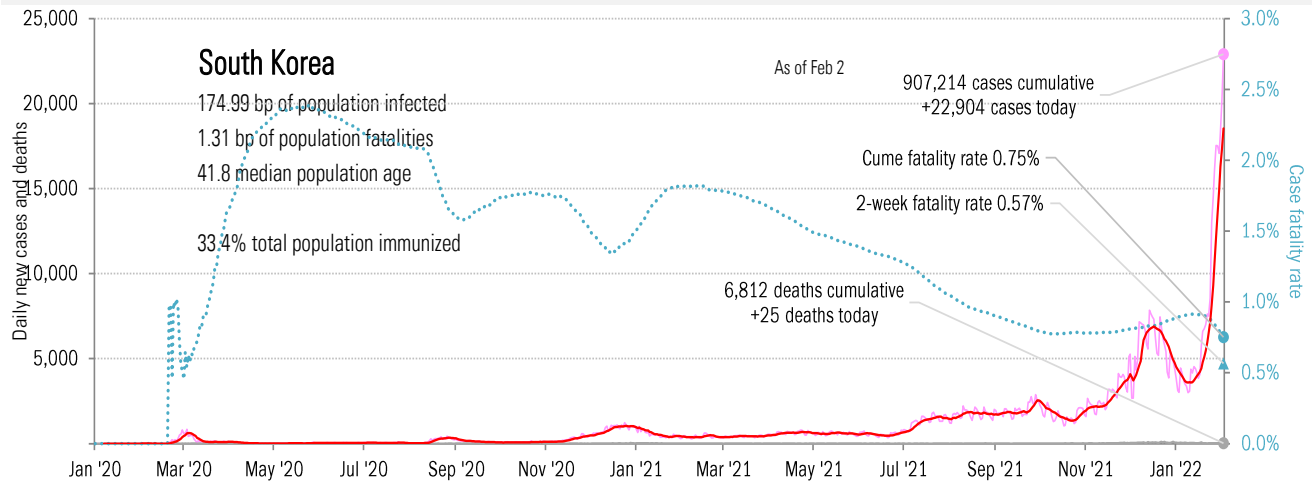
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

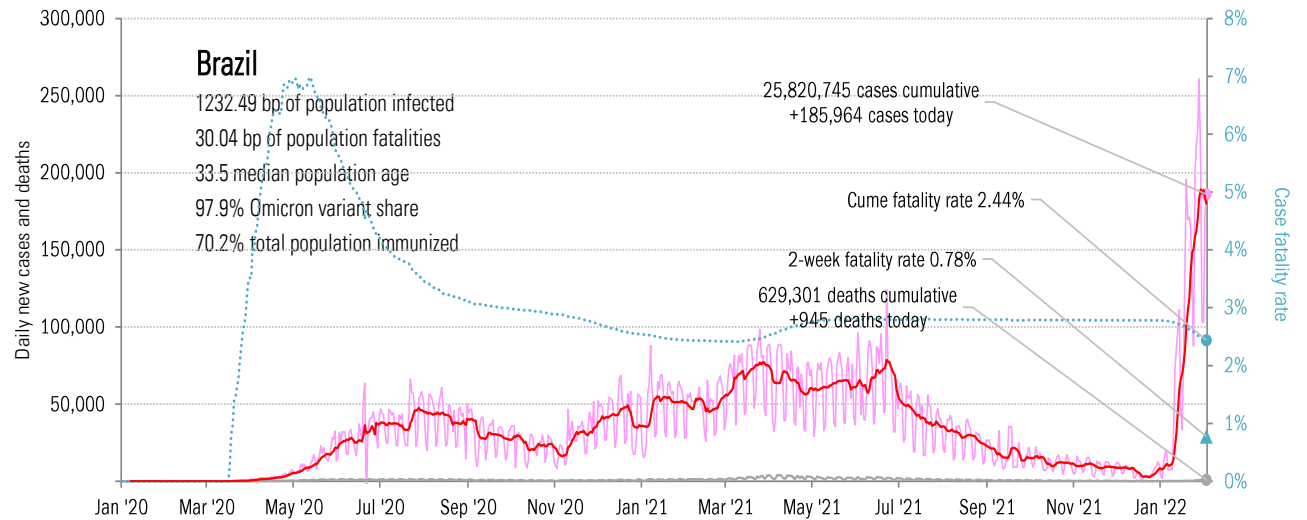
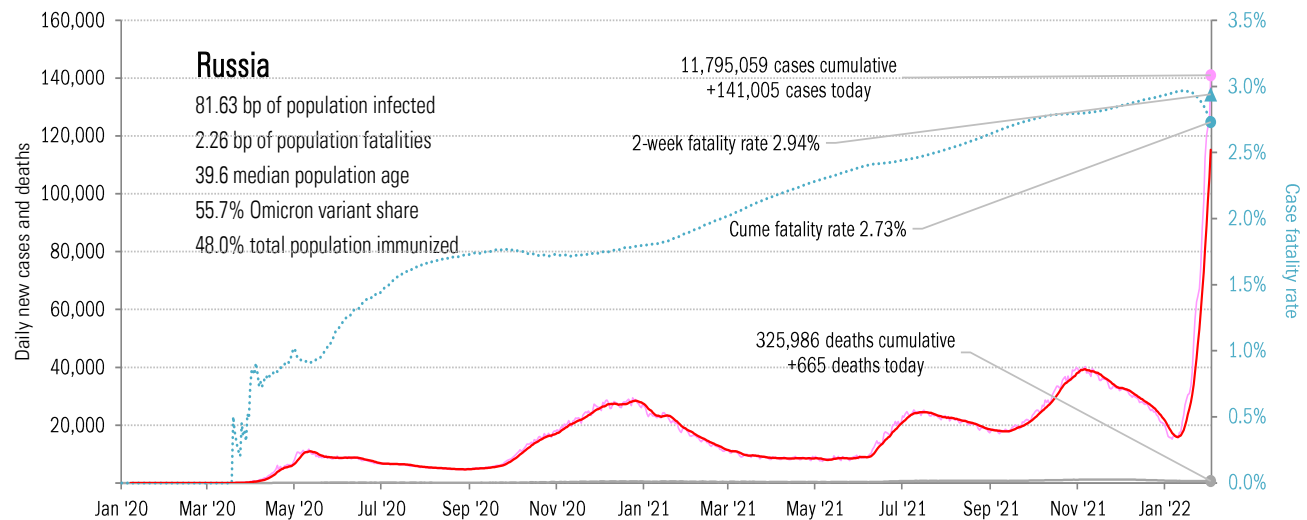
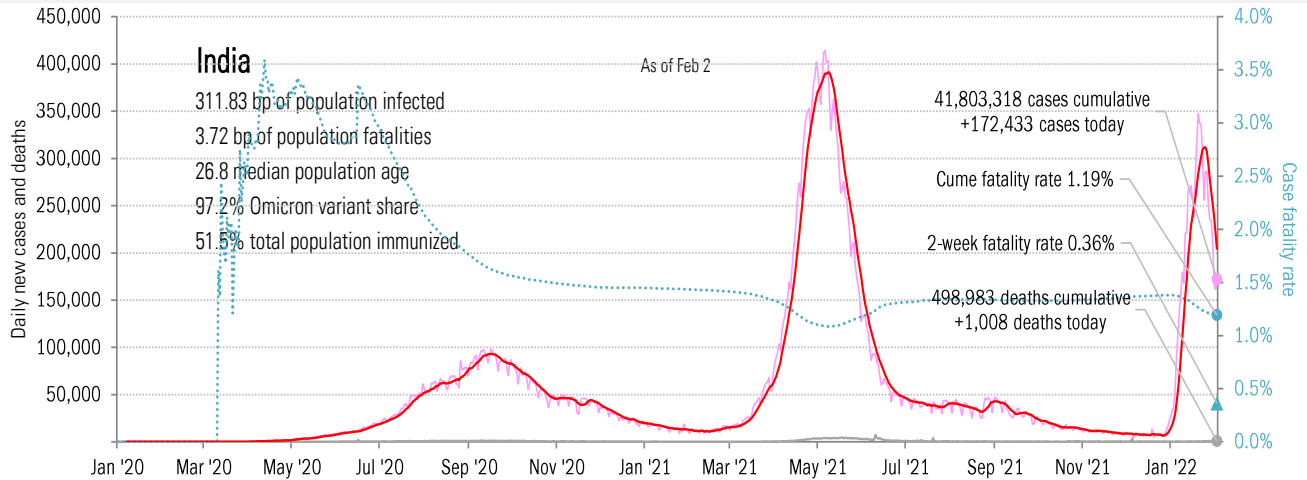
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

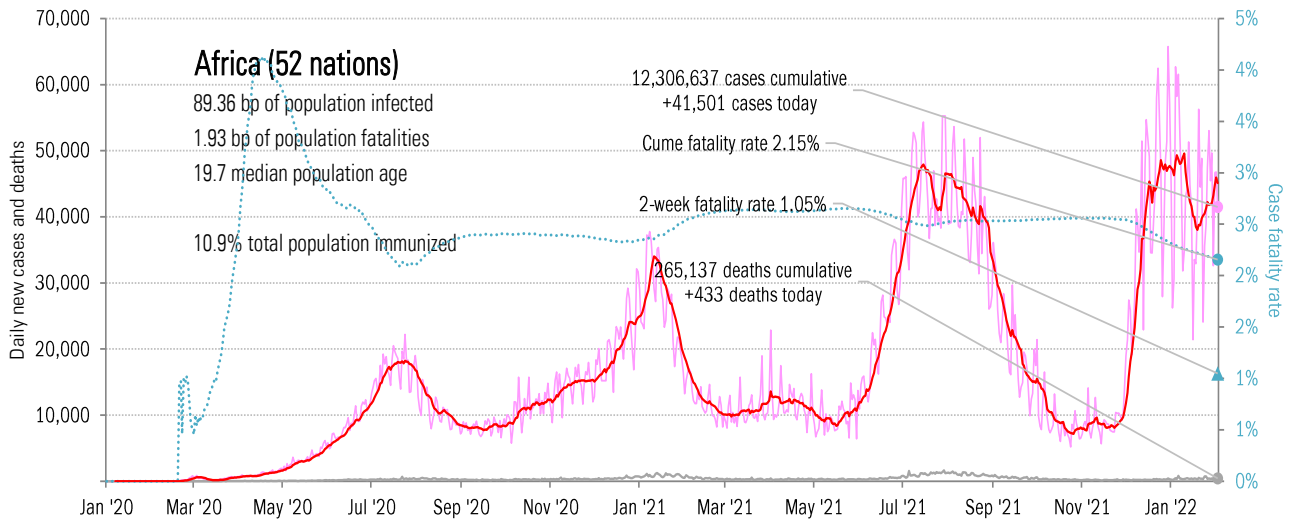
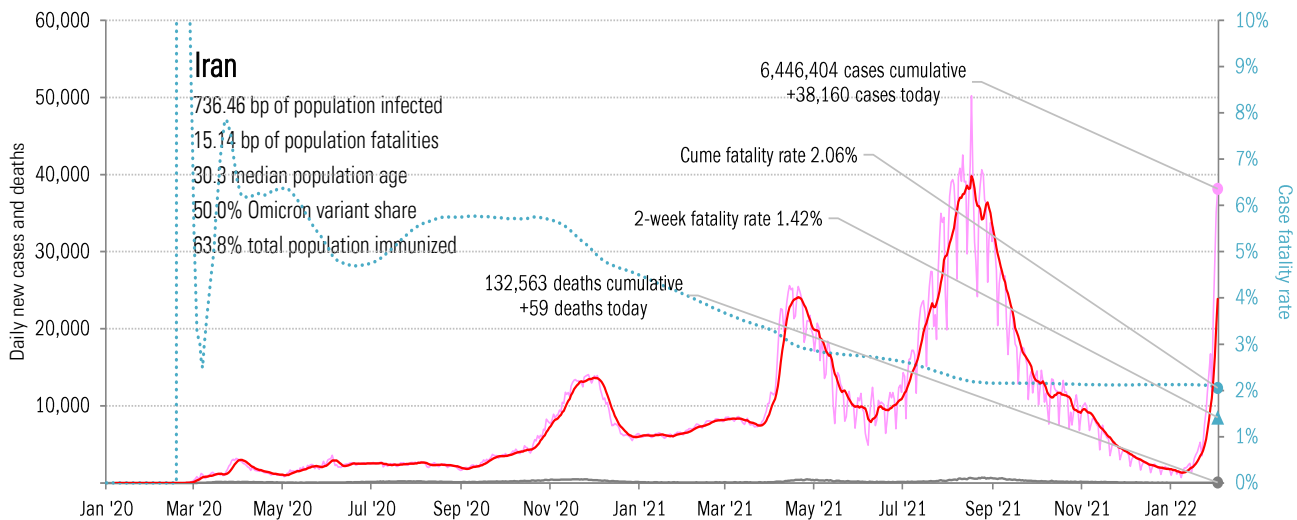
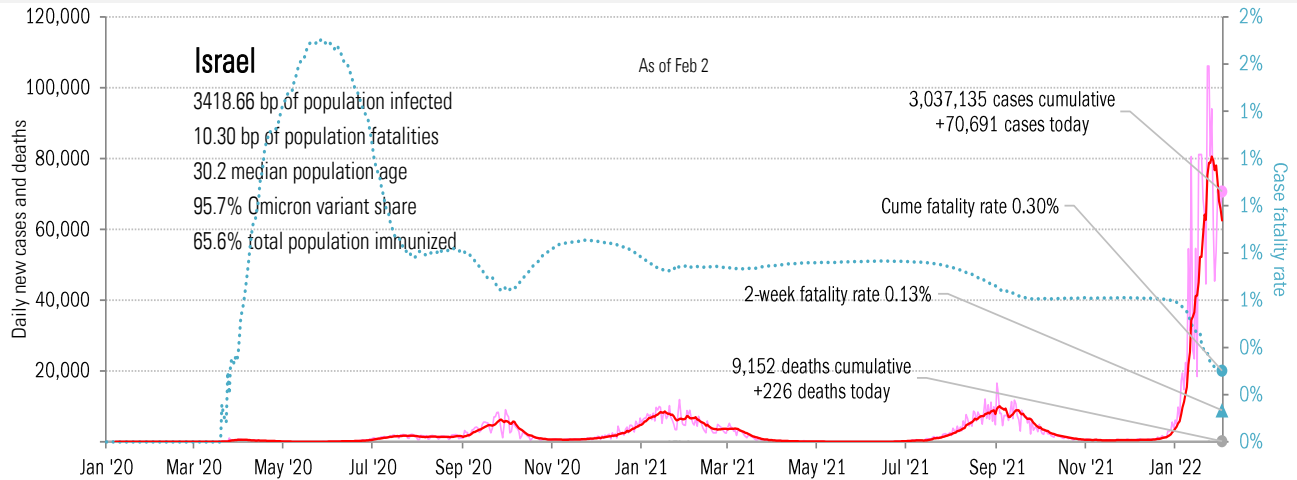
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

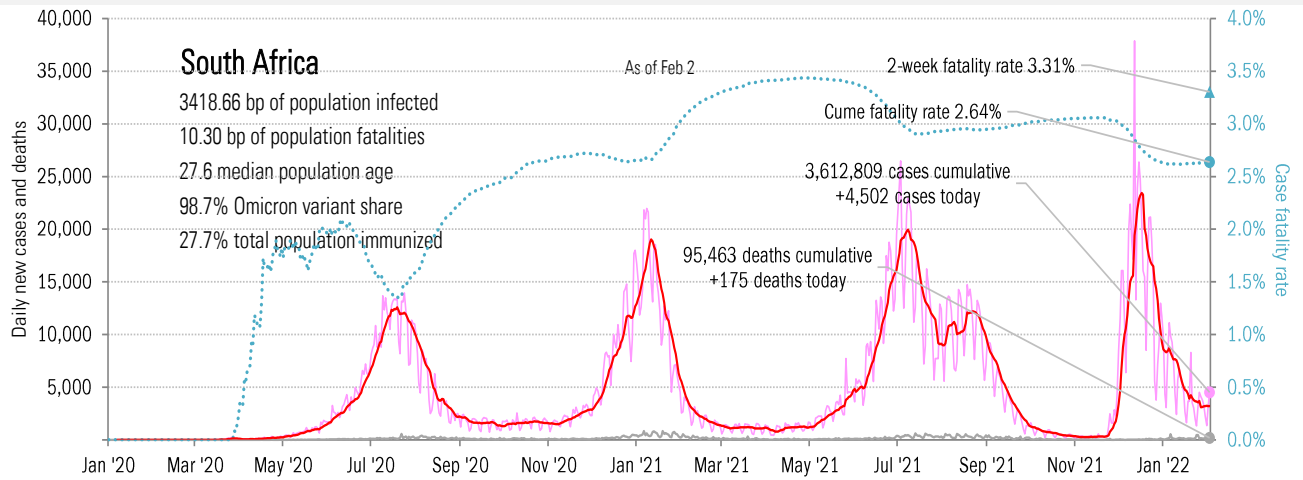
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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