

## Data Insights: Covid-2019 Monitor

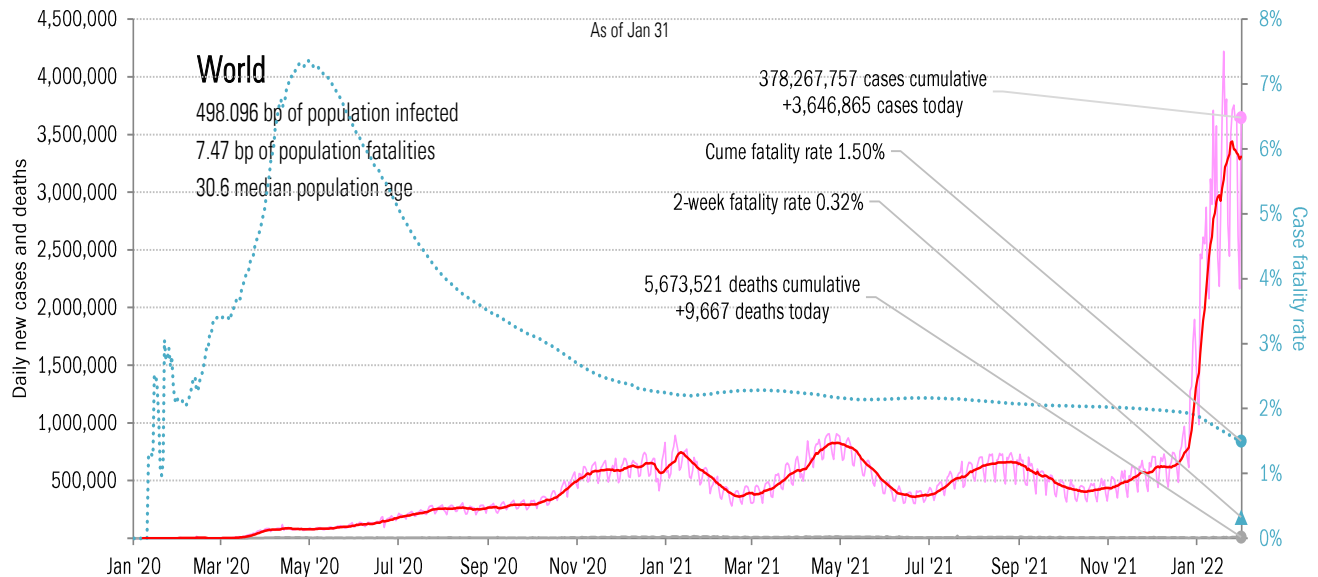
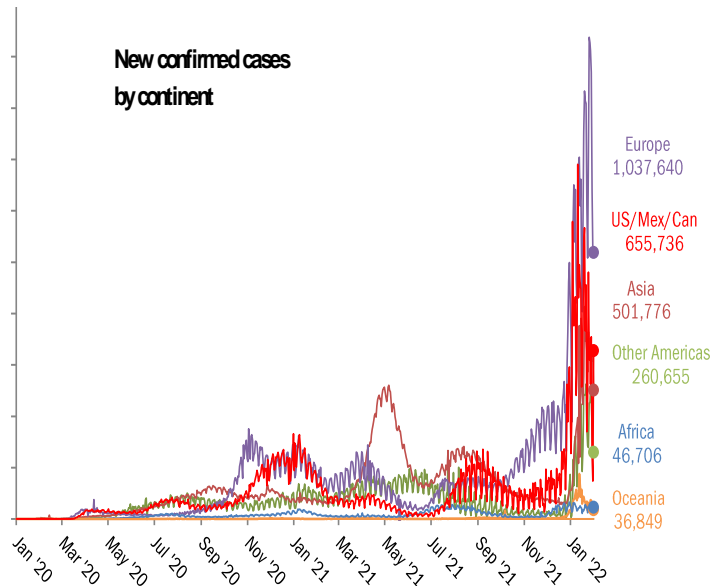
Tuesday, February 1, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries				
	New cases		New Deaths	
United Kingdom	848,962	United States	2,327	
United States	621,458	India	1,192	
Spain	182,123	Russia	612	
Germany	179,431	Brazil	439	
India	167,059	France	361	
Russia	123,033	Italy	349	
Netherlands	112,381	Argentina	285	
Brazil	102,883	Spain	259	
Belgium	99,314	Colombia	221	
Turkey	93,261	Mexico	198	
	2,529,905		6,243	
World	3,646,865	World	9,667	
Top ten	69%	Top ten	65%	

Data error at source



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

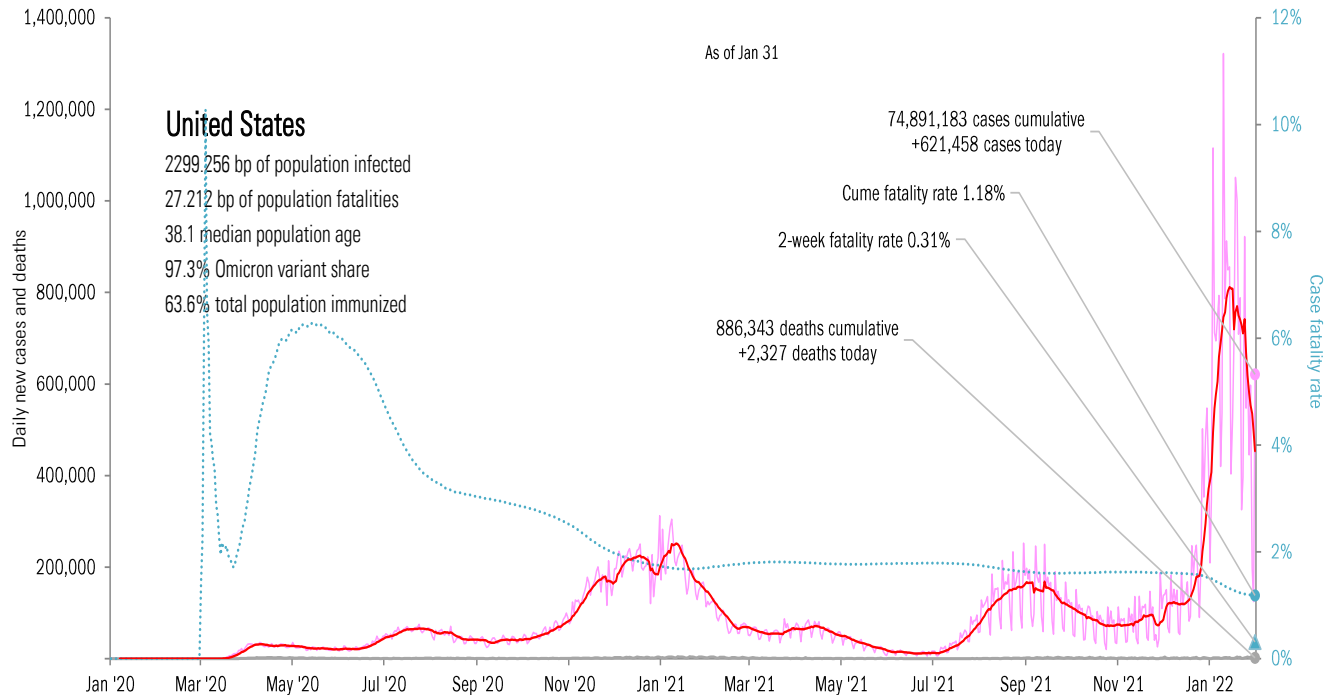
## The ten worst US states

New cases			New Deaths		New in hospital		Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
CA	124,804		CA	243	MN	63	CA	8,417,539	CA	80,044	TX	457,428	GA	87%	NM	94%			
NC	46,933		IL	225	NC	28	TX	6,258,336	TX	79,447	CA	391,128	RI	86%	AL	94%			
WA	45,240		FL	215	TN	28	FL	5,485,784	FL	64,926	FL	389,905	WA	85%	TX	93%			
TX	33,856		NC	162	CR	19	NY	4,805,416	NY	64,846	NY	232,334	MN	85%	CK	93%			
FL	26,854		MA	125	CT	17	IL	2,920,971	PA	40,581	GA	192,818	WV	84%	RI	90%			
IL	23,797		CK	123	ID	14	PA	2,661,481	IL	33,346	CH	180,547	MD	83%	NV	90%			
MI	23,285		GA	108	UT	13	CH	2,580,405	CH	33,071	PA	165,862	MO	83%	MS	89%			
GA	21,534		MS	104	WV	9	NC	2,421,799	GA	32,976	IL	148,213	PA	82%	GA	88%			
VA	20,047		VA	90	ME	5	GA	2,368,052	MI	32,263	MI	132,619	MA	82%	KY	87%			
KY	19,671		WI	83	AK	4	MI	2,258,465	NJ	31,442	KY	131,773	DE	82%	DE	87%			
386,021			1,478		200		40,178,248			492,942			2,422,627						
All states 621,458			2,327		-2,114		All states 74,891,183			886,343			4,380,515			All states 70%		67%	
Top ten 62%			64%		-9%		Top ten 54%			56%			55%			Median 78%		79%	

Some states not reporting

## Five most improved US states

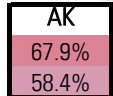
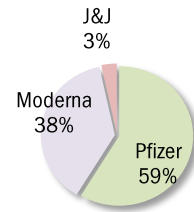
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
PA	-2,446	TX	-34	CK	-199	AZ	+10 bp
H	-1,228	AZ	-24	TX	-152	CT	+10 bp
AZ	-1,214	PR	-16	AR	-132	FL	+10 bp
WV	-1,145	MD	-14	LA	-132	IL	+10 bp
CH	-1,064	H	-6	SC	-124	KS	+10 bp



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	552,951,472		+0.509 million	US	63.6%	75.3%
Boosters	89,186,968		+0.240 million	UK	71.0%	76.7%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	257,534,290	77%	217,880,156	65%	+0.124 million	France 76.3% 79.7%
Age 12 to 17	16,955,766	67%	14,322,694	57%	+0.014 million	Spain 81.9% 87.5%
Age 18 to 64	173,829,953	85%	147,208,234	72%	+0.055 million	Germany 73.4% 75.1%
Age 65 and over	57,922,726	100%	50,109,799	91%	+0.009 million	Italy 76.4% 83.2%
						Australia 78.4% 84.1%
						Israel 65.6% 72.0%
						Canada 79.2% 85.2%
						Japan 79.2% 80.5%
						Africa 10.9% 16.1%
						India 51.0% 67.7%
						Brazil 70.1% 79.6%
						China 85.0% 87.7%



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



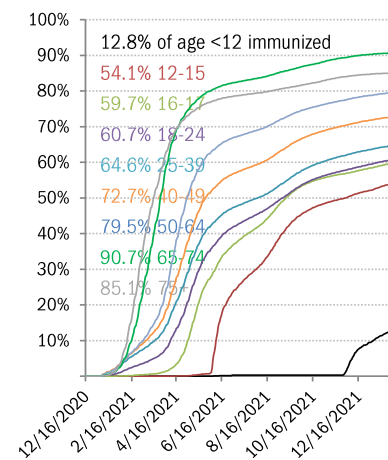
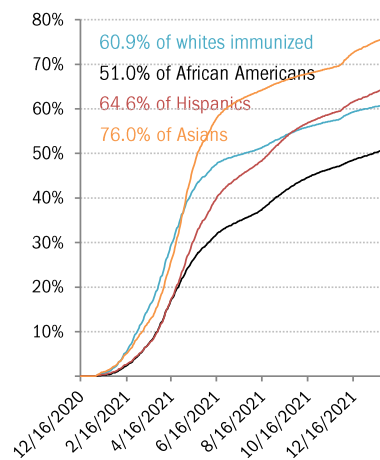
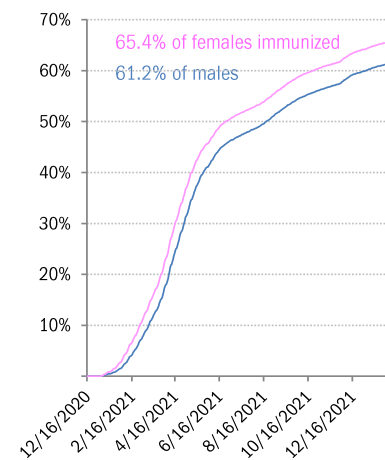
\*Immunity\* = two doses

As of Jan 31

Global data differs due to sources, timing

					WI 70.4% 63.6%					ME 88.6% 77.5%
WA 78.6% 69.9%	ID 59.6% 52.2%	MT 63.8% 55.2%	ND 64.0% 54.0%	MN 73.5% 67.1%	IL 75.4% 66.3%	MI 65.2% 58.2%		NY 87.6% 74.1%	VT 92.1% 79.4%	NH 95.0% 68.8%
OR 76.2% 67.9%	NV 72.9% 58.5%	WY 57.2% 49.8%	SD 73.9% 58.9%	IA 66.6% 60.4%	IN 60.0% 53.2%	OH 62.3% 56.8%	PA 82.0% 65.8%	NJ 87.5% 72.7%	MA 94.8% 76.4%	
CA 80.4% 69.1%	UT 69.7% 60.6%	CO 77.4% 68.2%	NE 68.6% 61.5%	MO 64.7% 54.4%	KY 64.6% 55.7%	WV 63.6% 56.1%	VA 83.2% 70.6%	MD 83.7% 72.6%	CT 92.6% 76.6%	RI 94.6% 79.0%
	AZ 70.1% 58.8%	NM 84.5% 68.4%	KS 72.5% 59.1%	AR 65.0% 52.7%	TN 60.6% 52.7%	NC 80.9% 58.4%	SC 65.7% 54.9%	DC 93.2% 70.0%	DE 80.3% 66.2%	
			OK 69.2% 55.2%	LA 59.5% 51.8%	MS 58.0% 50.0%	AL 61.2% 49.5%	GA 63.6% 52.8%			
			TX 69.7% 58.9%					FL 77.2% 65.1%		PR 93.1% 79.4%
HI 85.0% 75.9%										

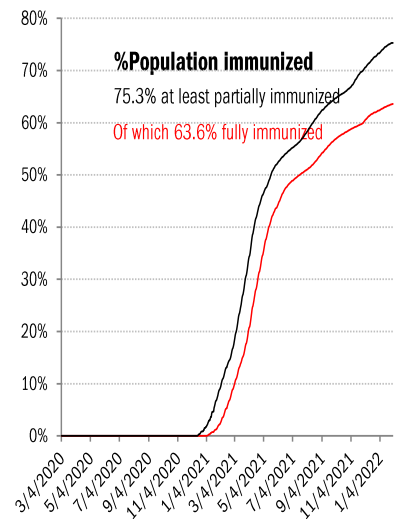
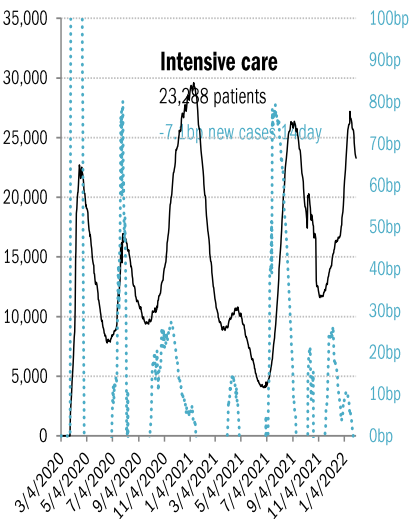
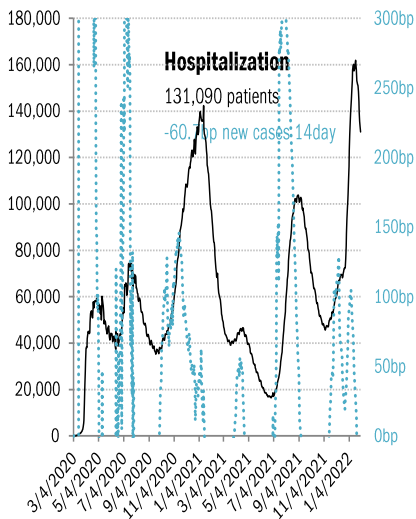
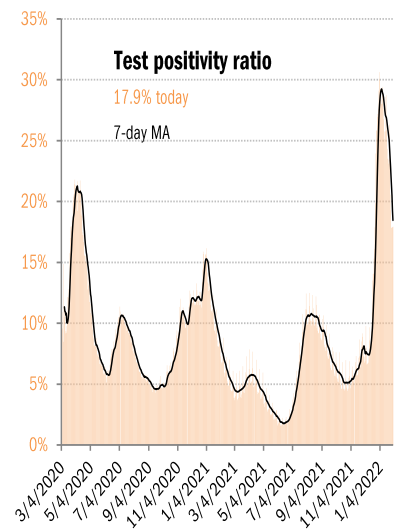
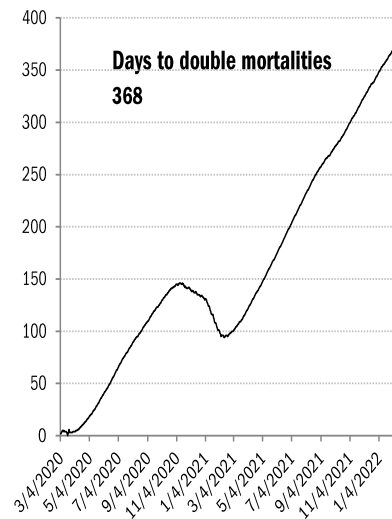
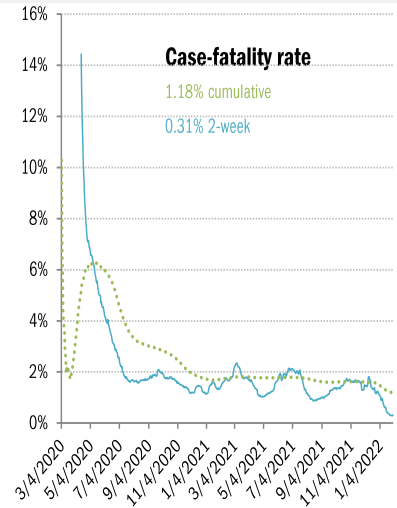
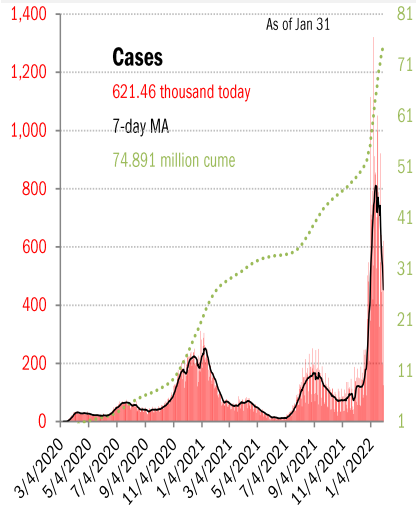
## The demographics of US vaccination



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

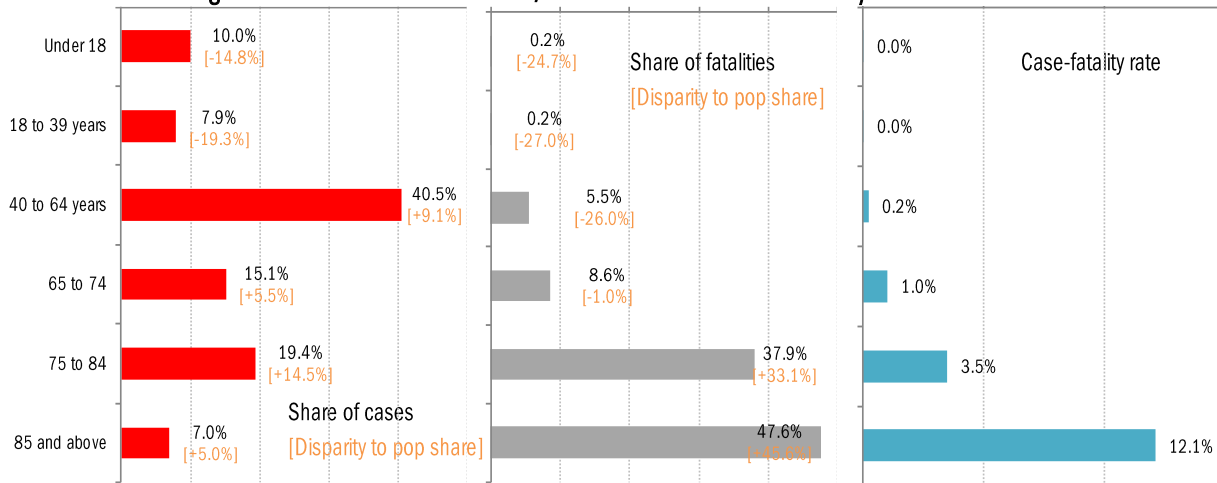
# US deep-dive

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

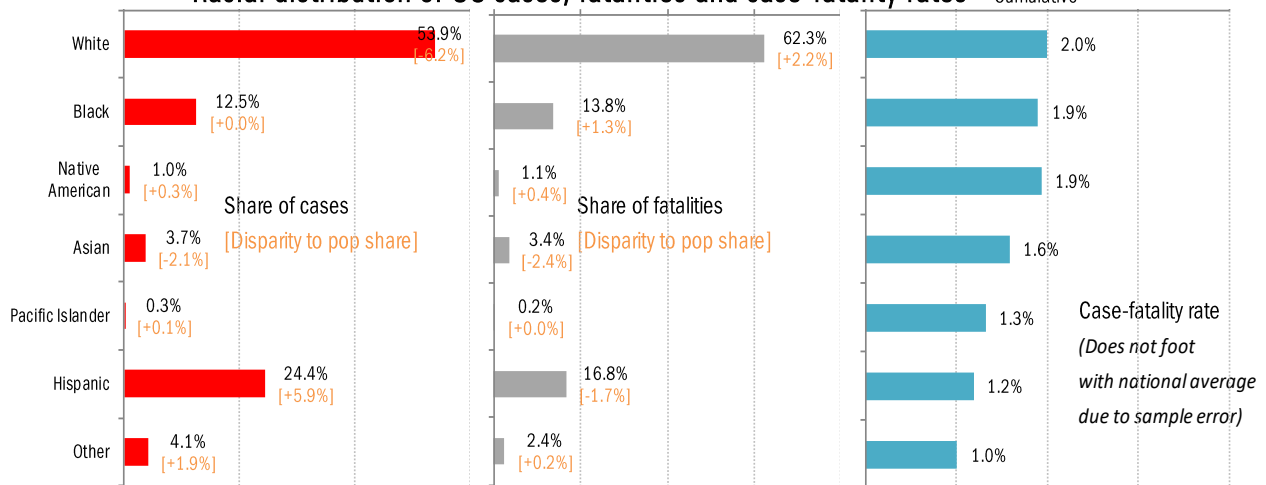


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

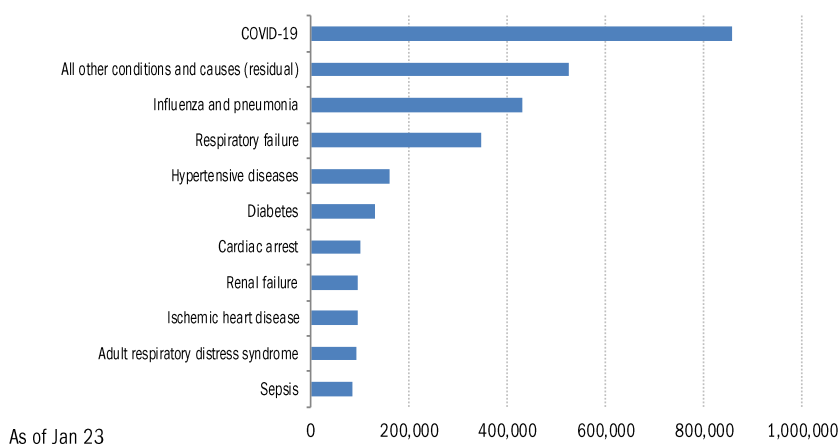


Racial distribution of US cases, fatalities and case-fatality rates



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

[Full Hearing: COVID-19: A Second Opinion Hosted By Sen. Ron Johnson](#)

*RealClear Politics*  
January 24, 2022

[What We Can Learn From How the 1918 Pandemic Ended](#)

John M. Barry  
*New York Times*  
January 31, 2022

[Boris Johnson rejects calls to resign after scathing Sue Gray report on lockdown parties](#)

George Parker, Sebastian Payne, Jasmine Cameron-Chileshe and Robert Wright  
*Financial Times*  
January 31, 2022

[The Sue Gray report annotated](#)

Sebastian Payne  
*Financial Times*  
January 31, 2022

[Investigation Into Alleged Gatherings On Government Premises During Covid Restrictions – Update](#)

Sue Gray  
*Cabinet Office*  
January 31, 2022

[China's Immunity Gap](#)

Yanzhong Huang  
*Foreign Affairs*  
January 26, 2022

[A Literature Review And Meta-Analysis Of The Effects Of Lockdowns On Covid-19 Mortality Rates](#)

Jonas Herby et al.  
*Johns Hopkins Institute for Applied Economics*  
January 2022

[Free Covid Tests Provide Latest Venue for Suspected Fraudsters](#)

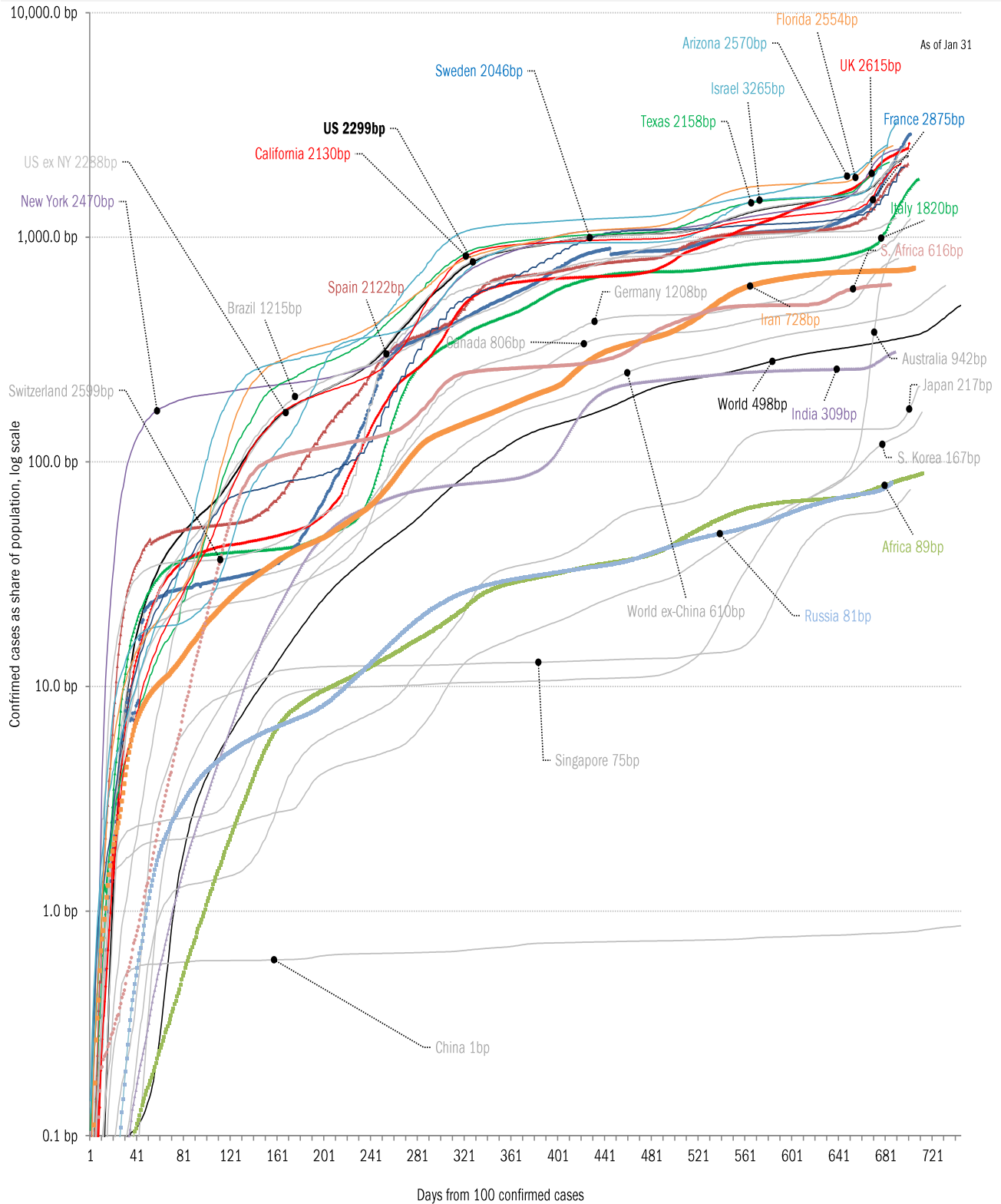
Jeff Stone  
*Bloomberg*  
January 31, 2022

## Meme of the day



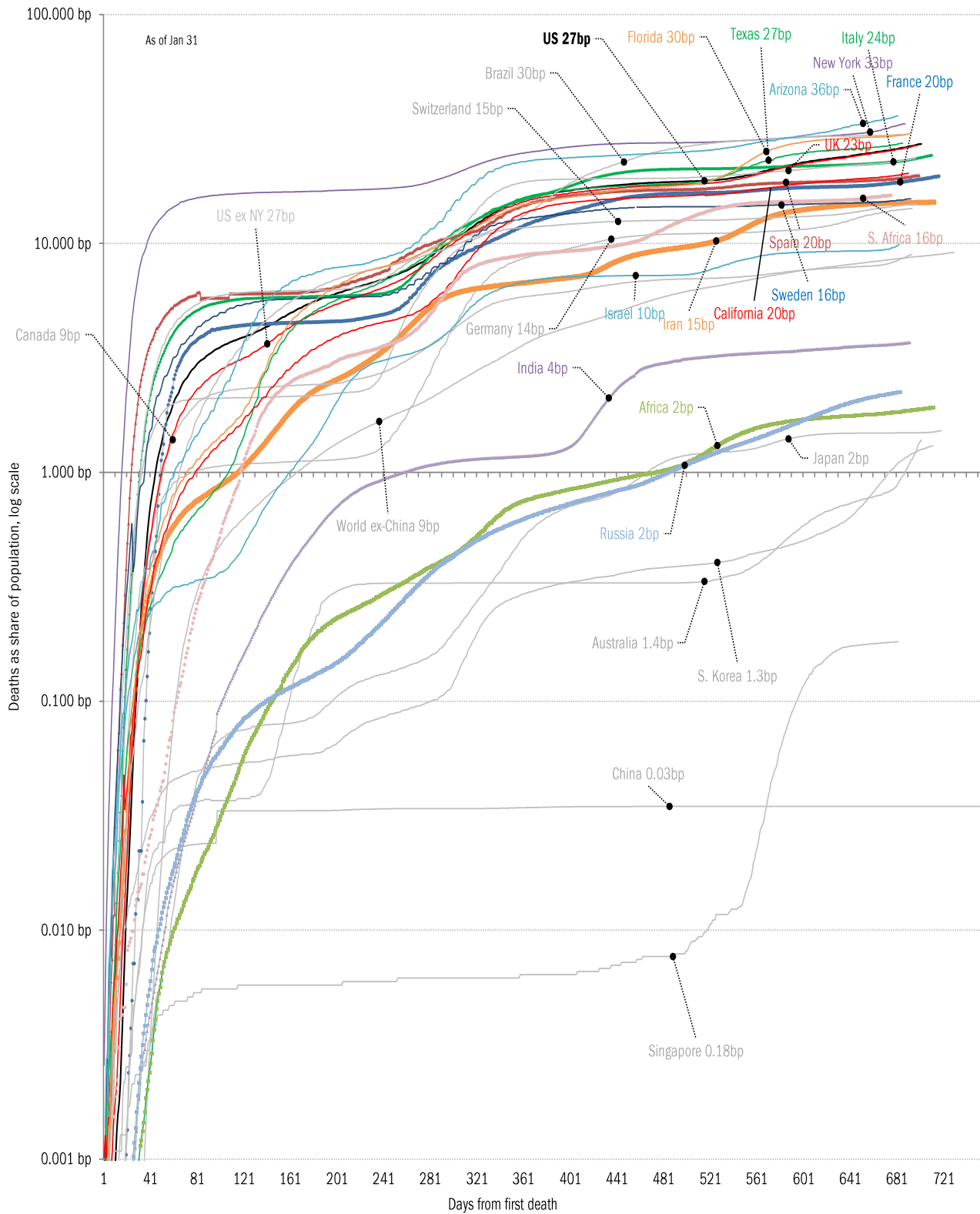
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



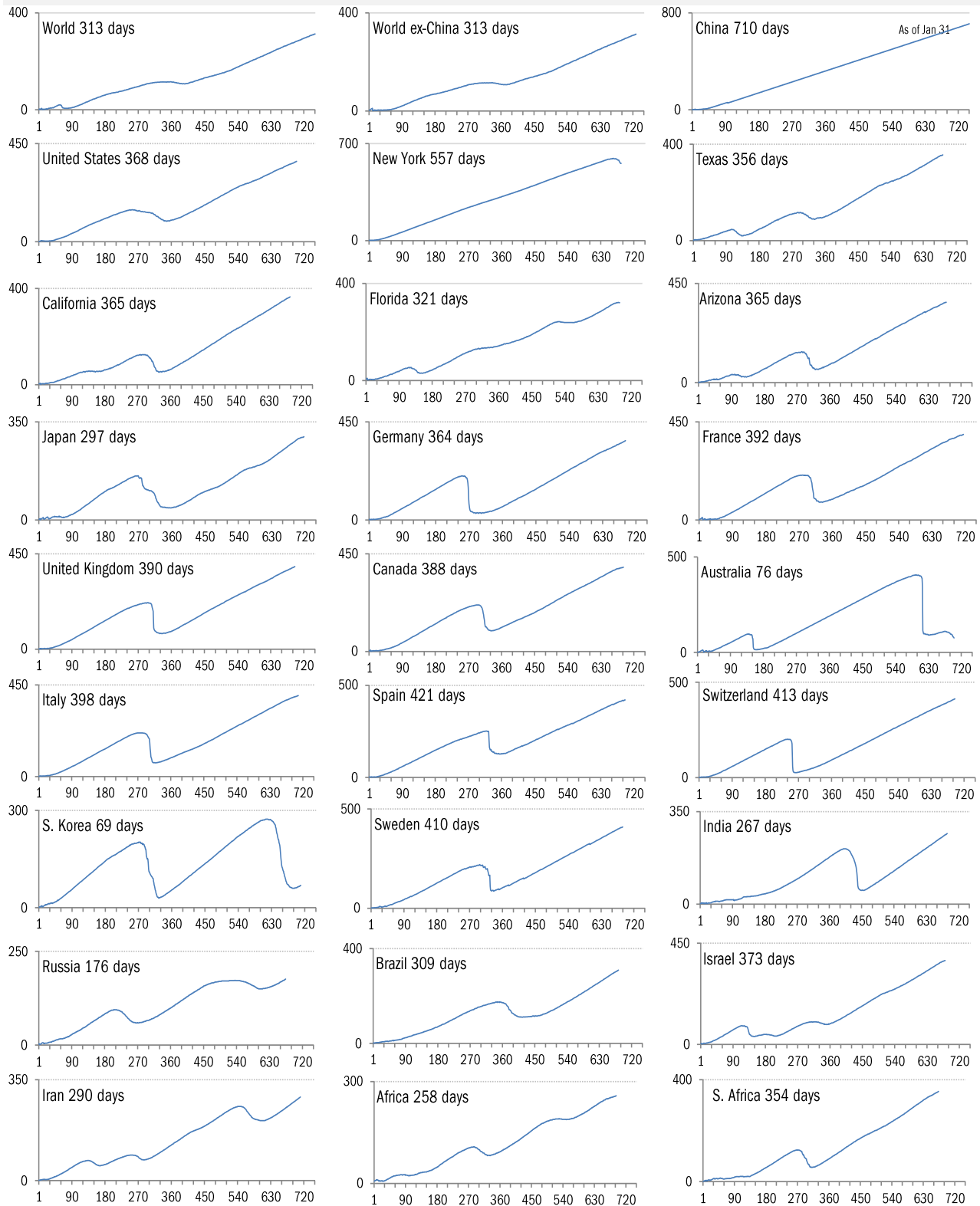
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

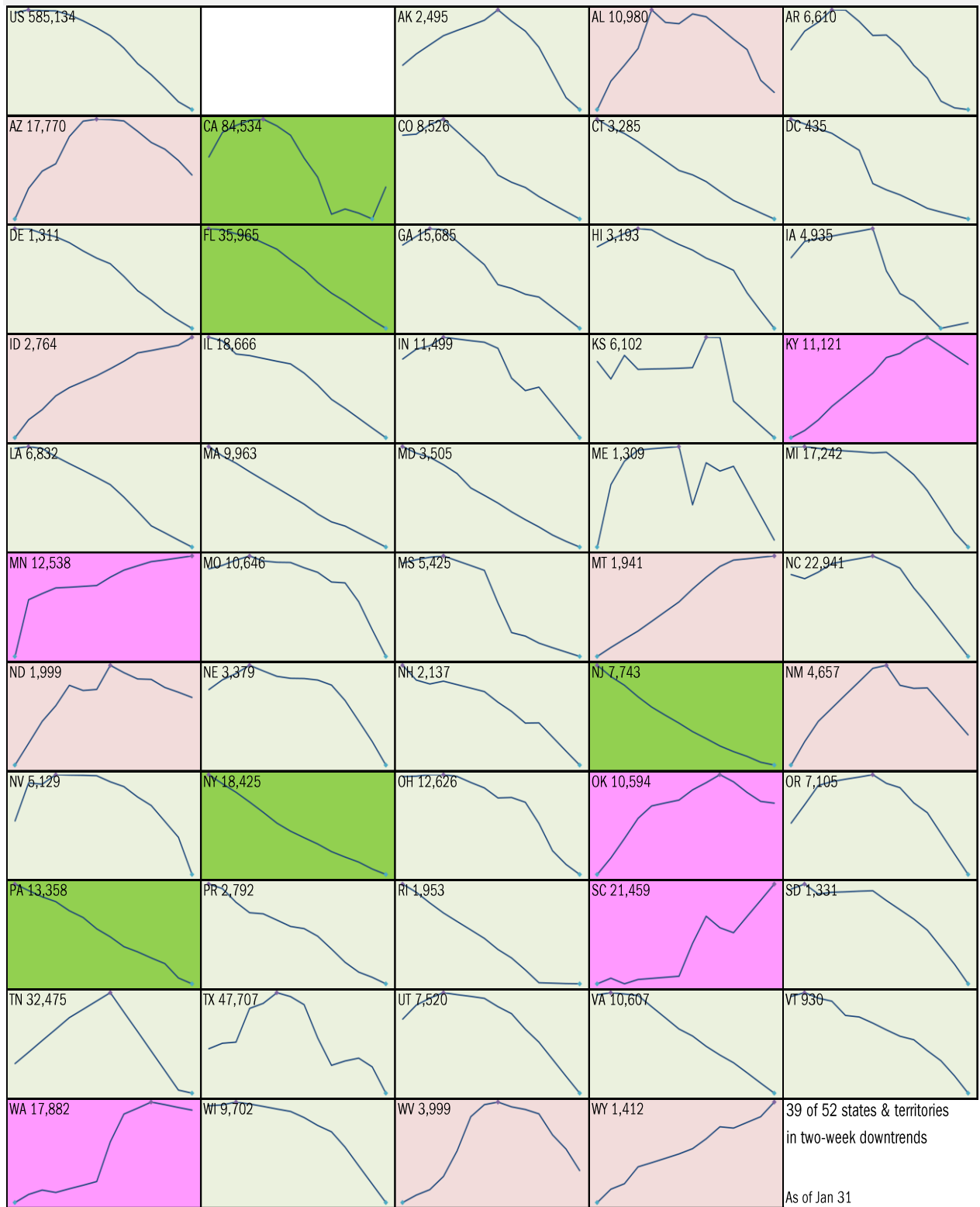


Source: [Johns Hopkins](#), TrendMacro calculations

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

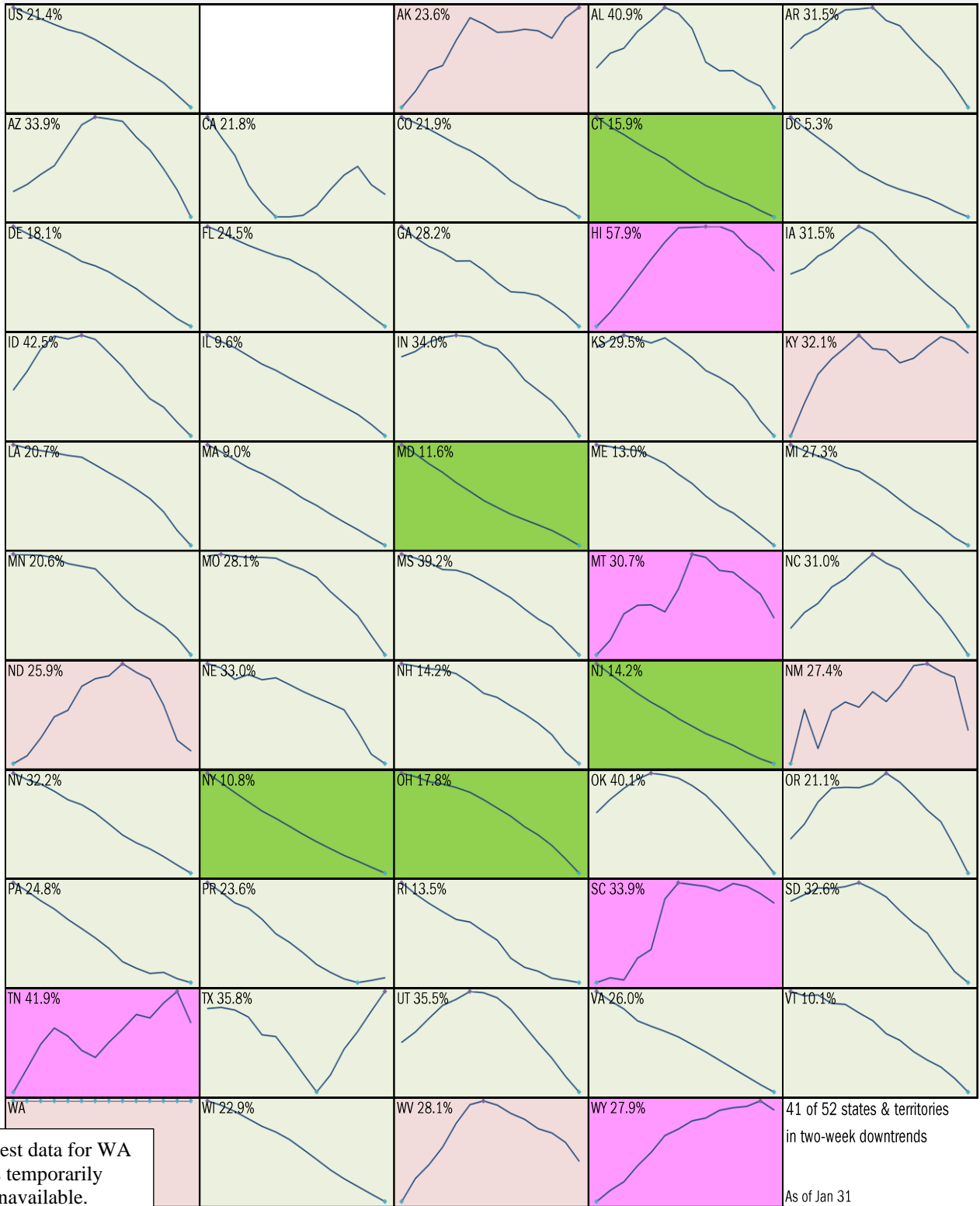


Source: [Johns Hopkins](#), TrendMacro calculations

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

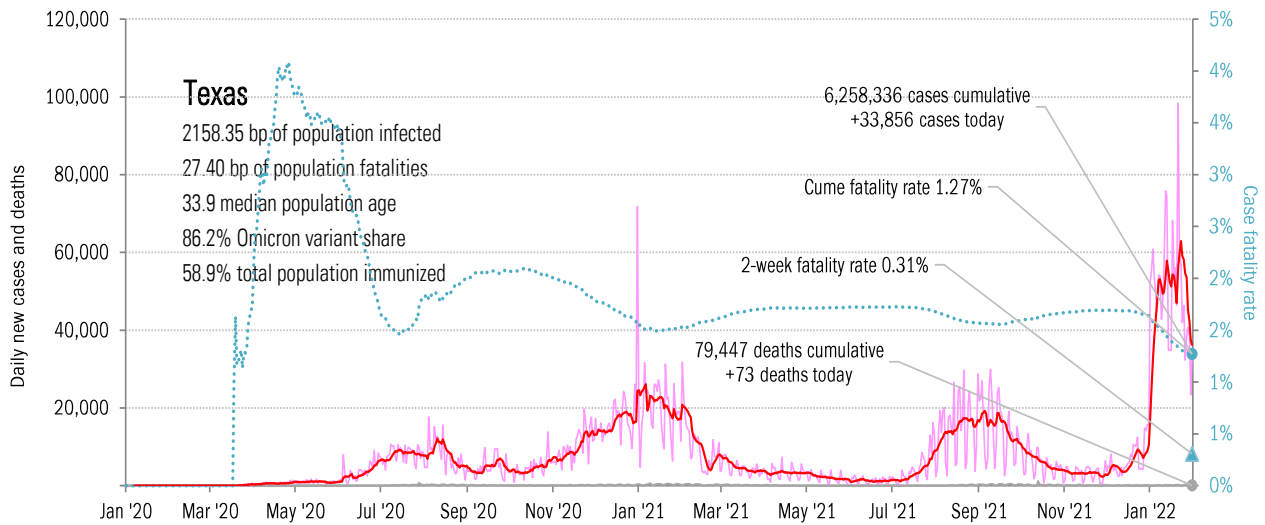
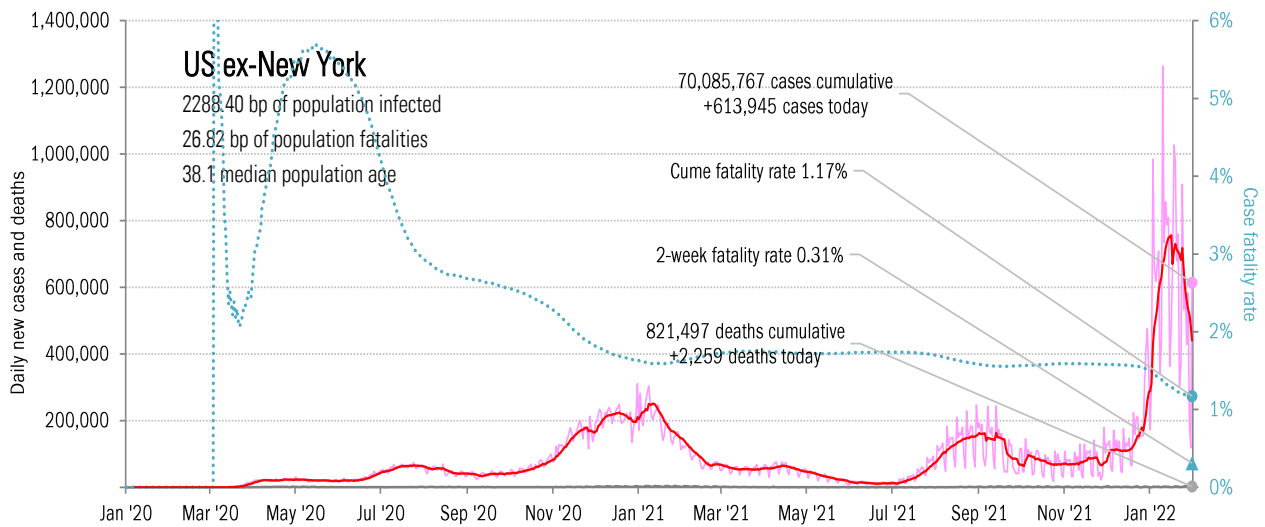
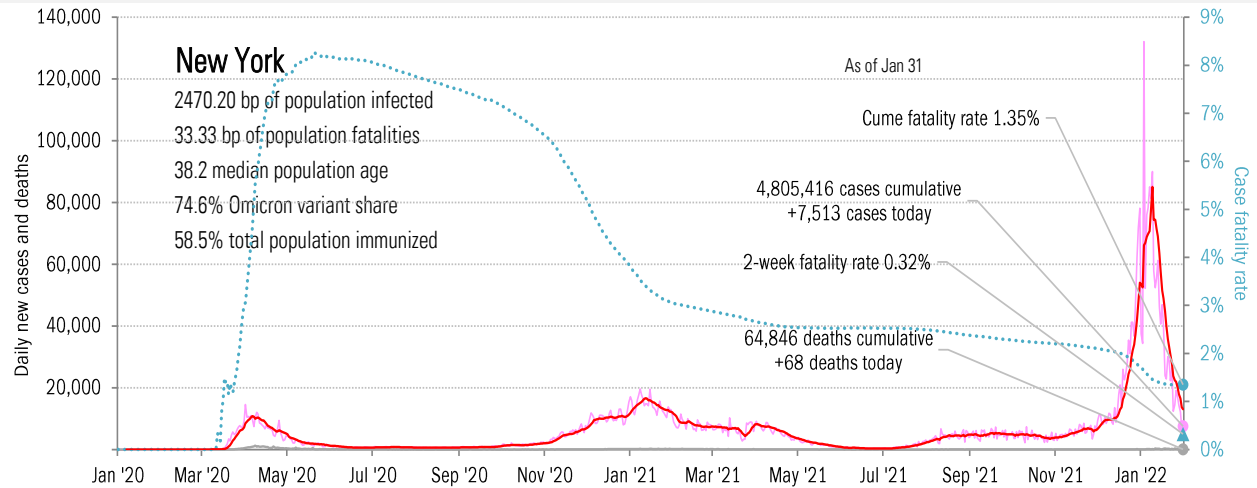
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

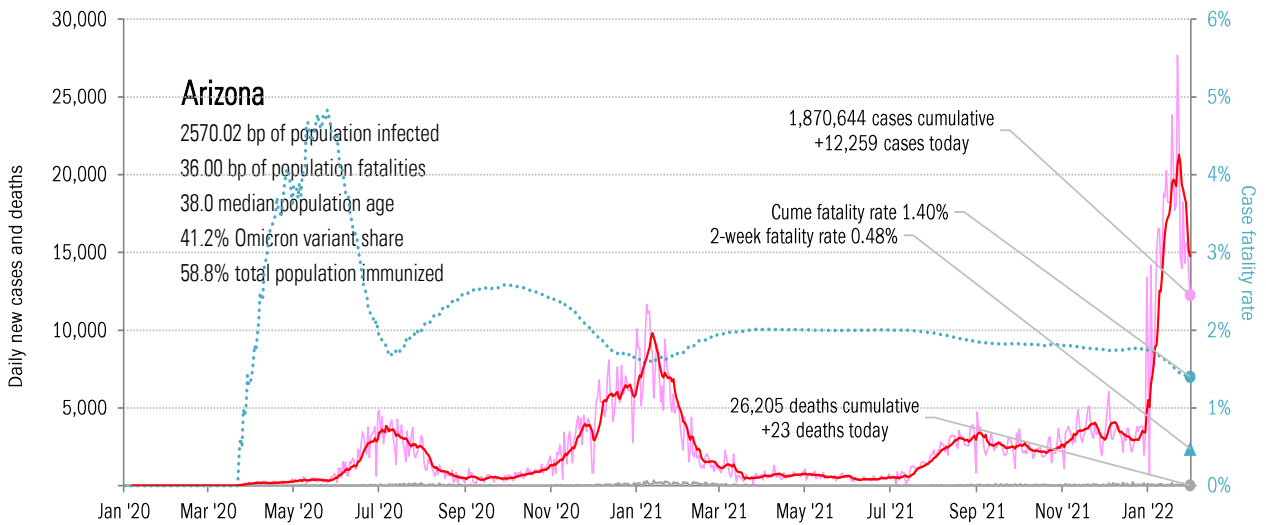
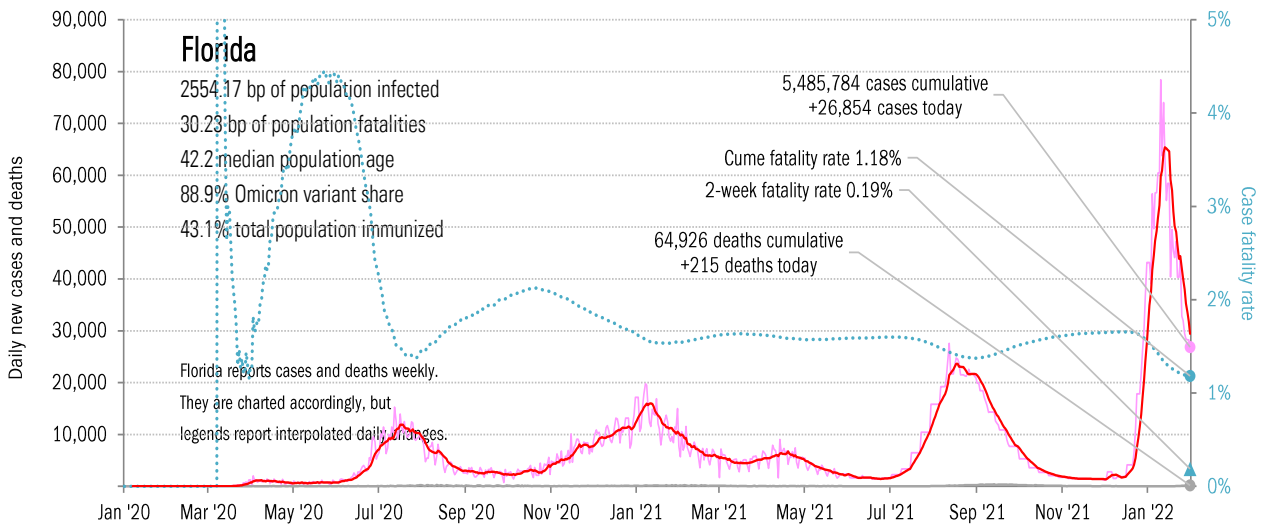
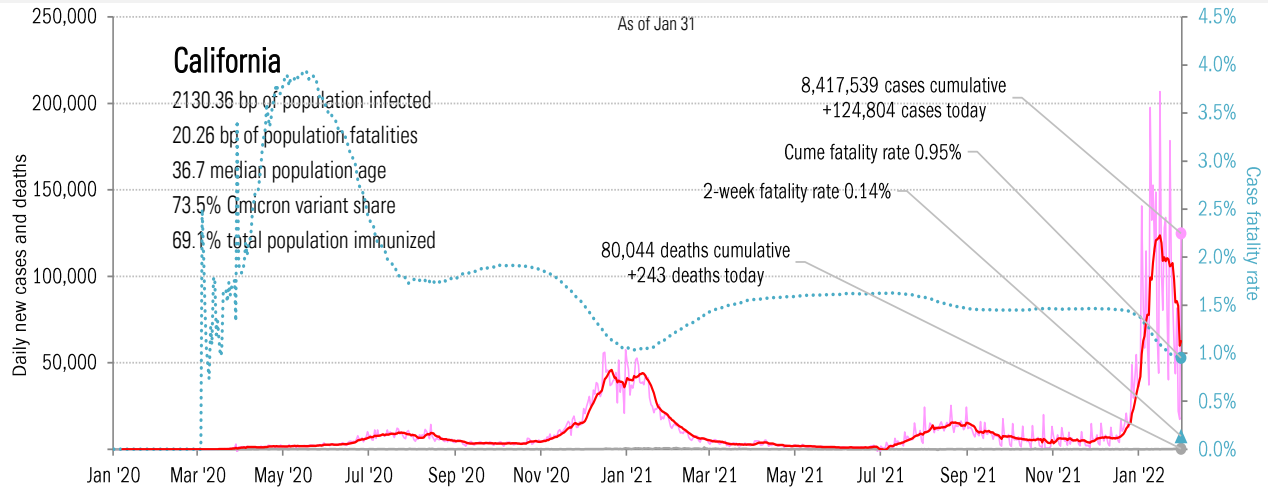
Cases: 7-day average and daily Deaths: Daily



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

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

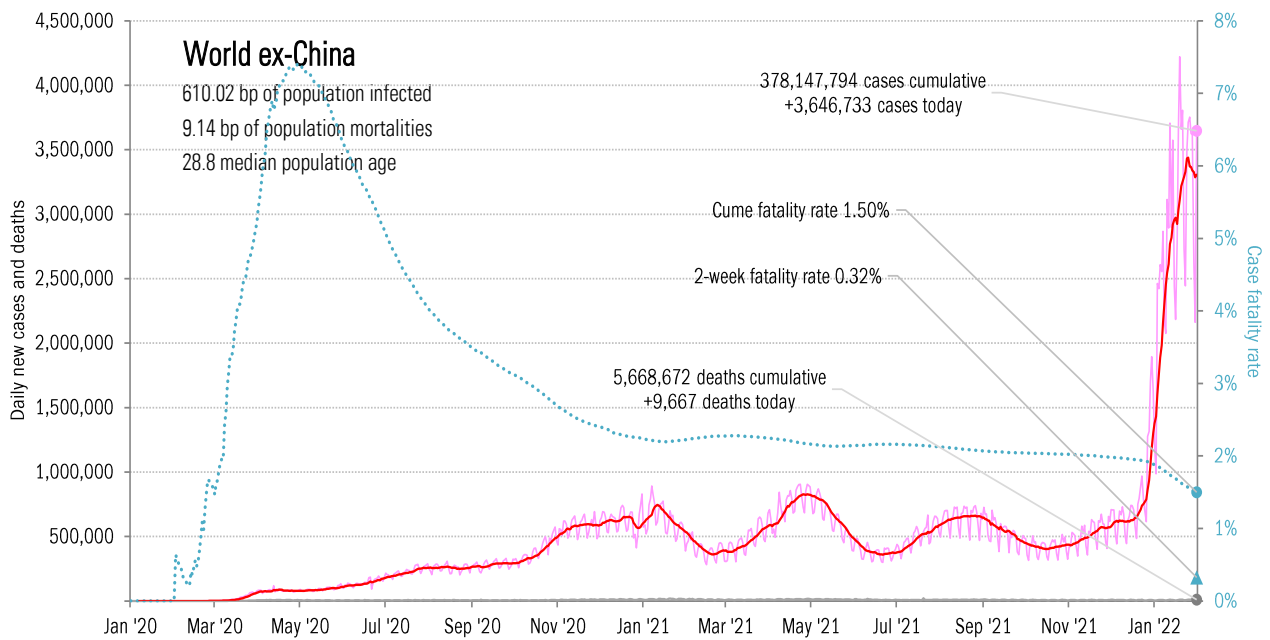
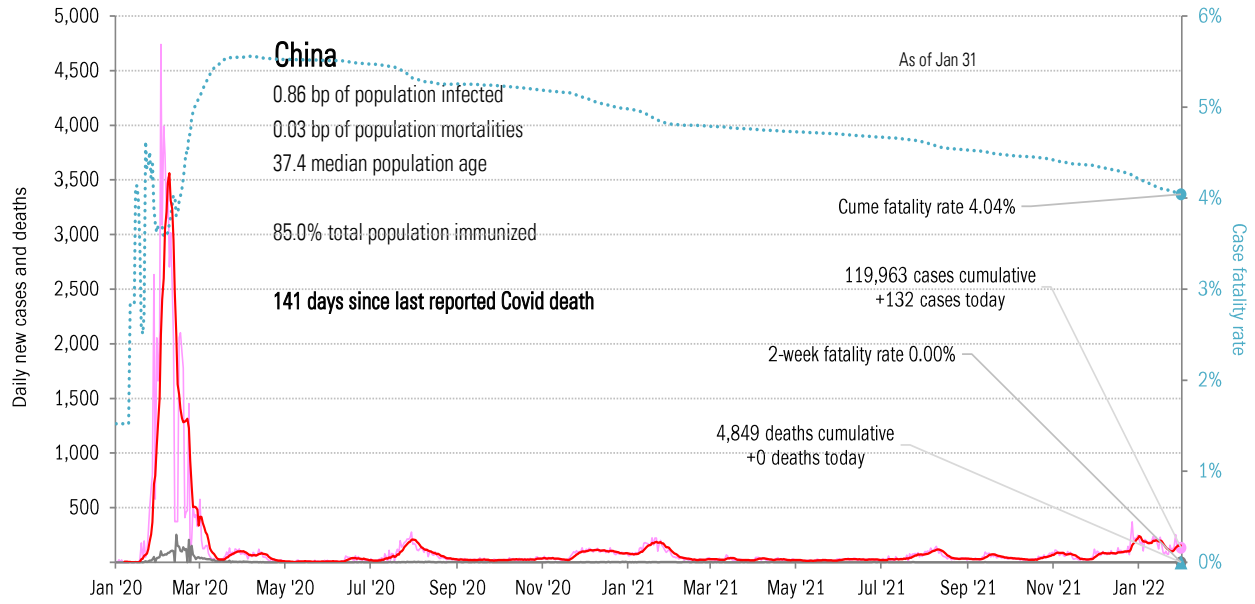
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

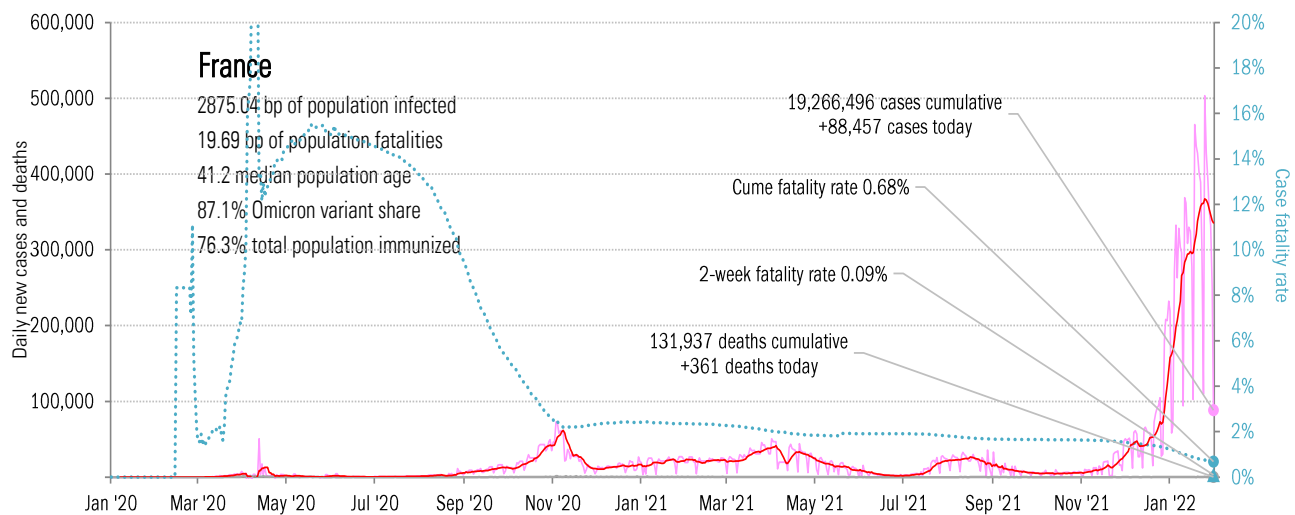
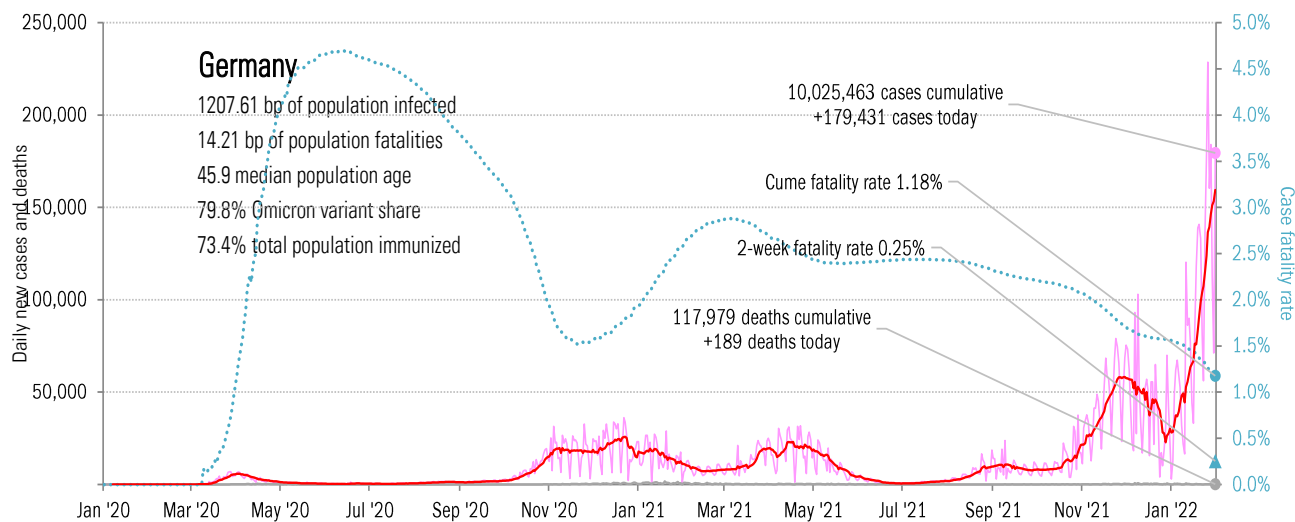
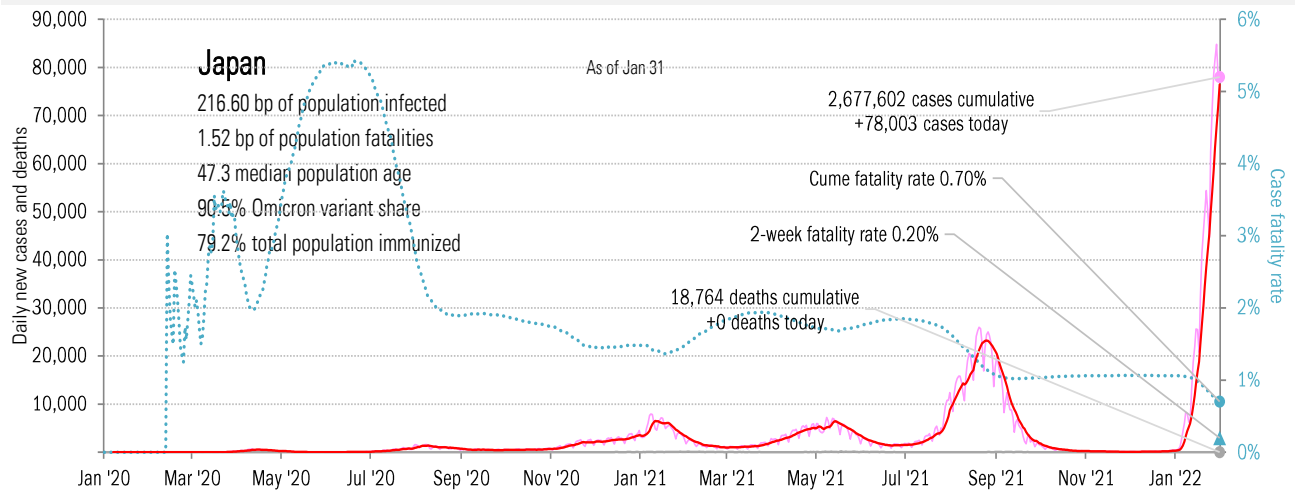
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

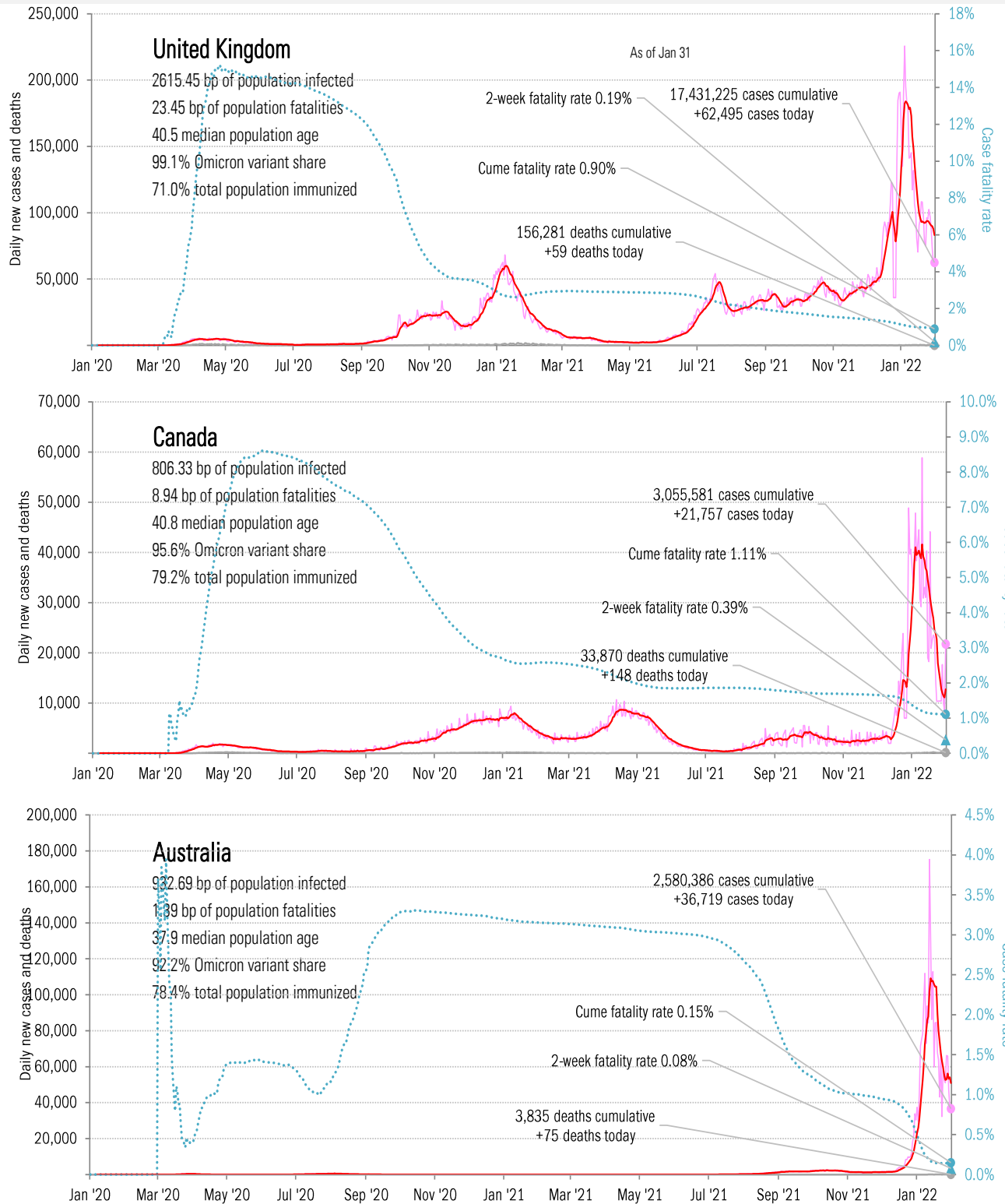
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

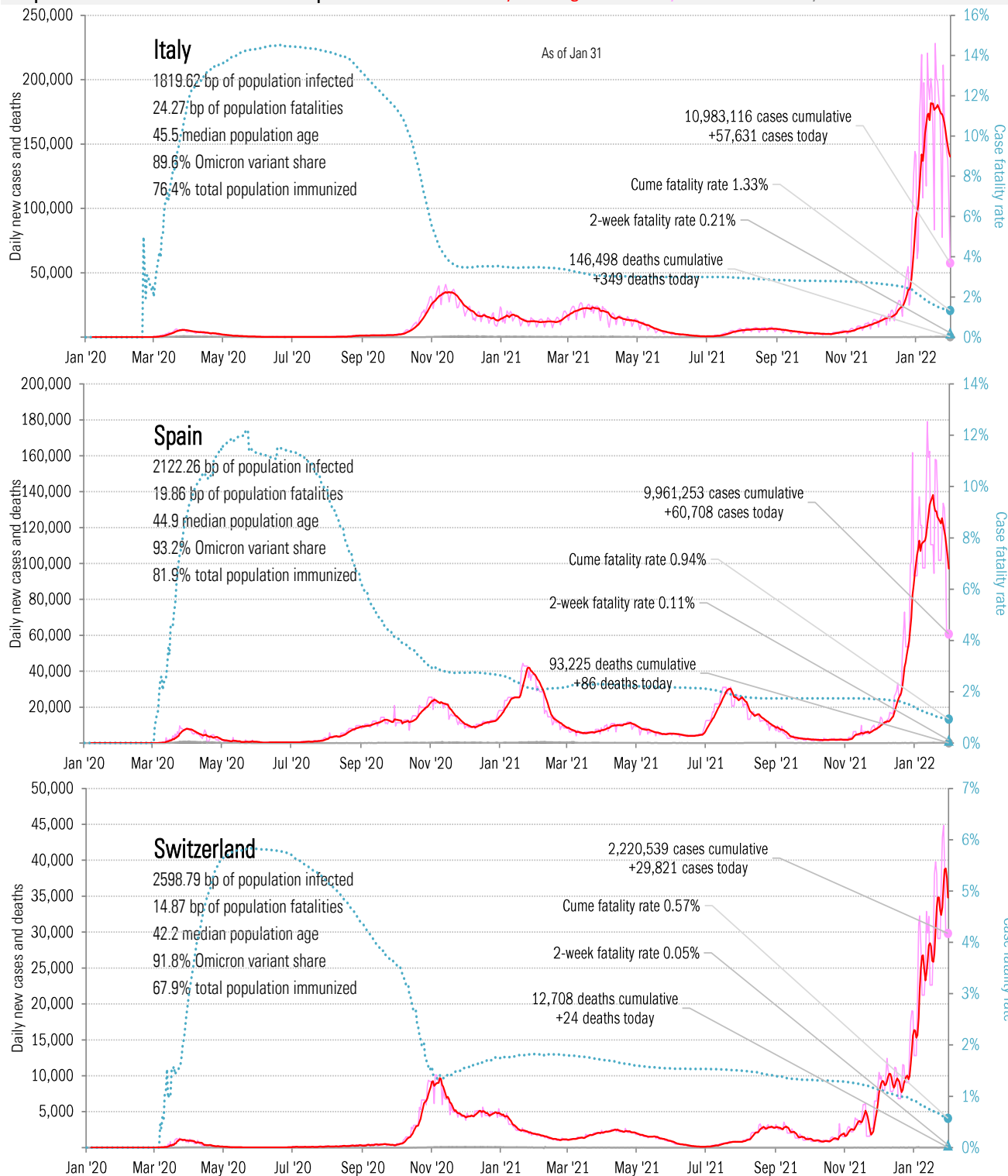


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

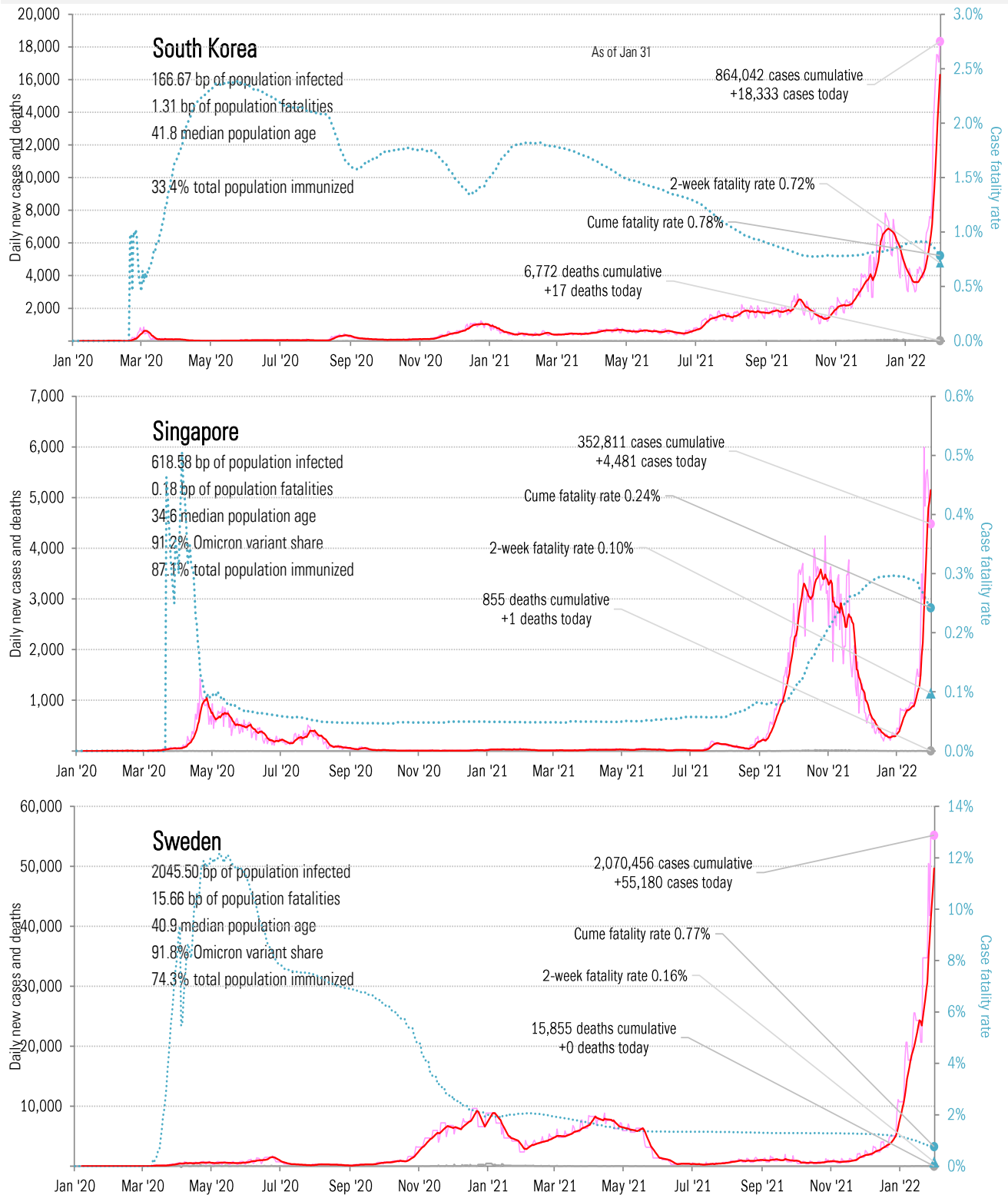
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

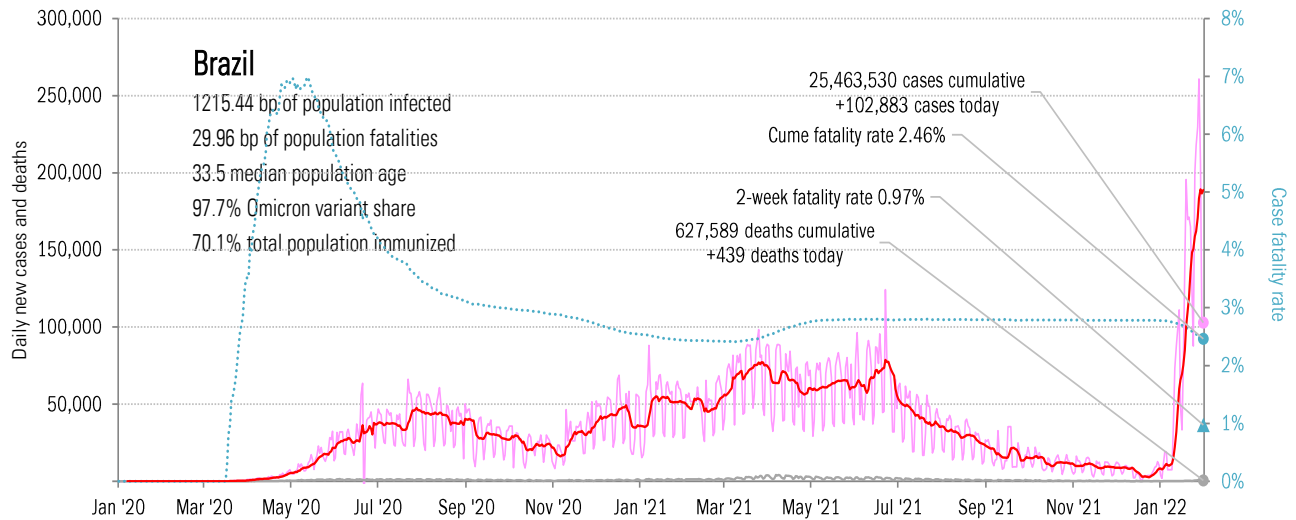
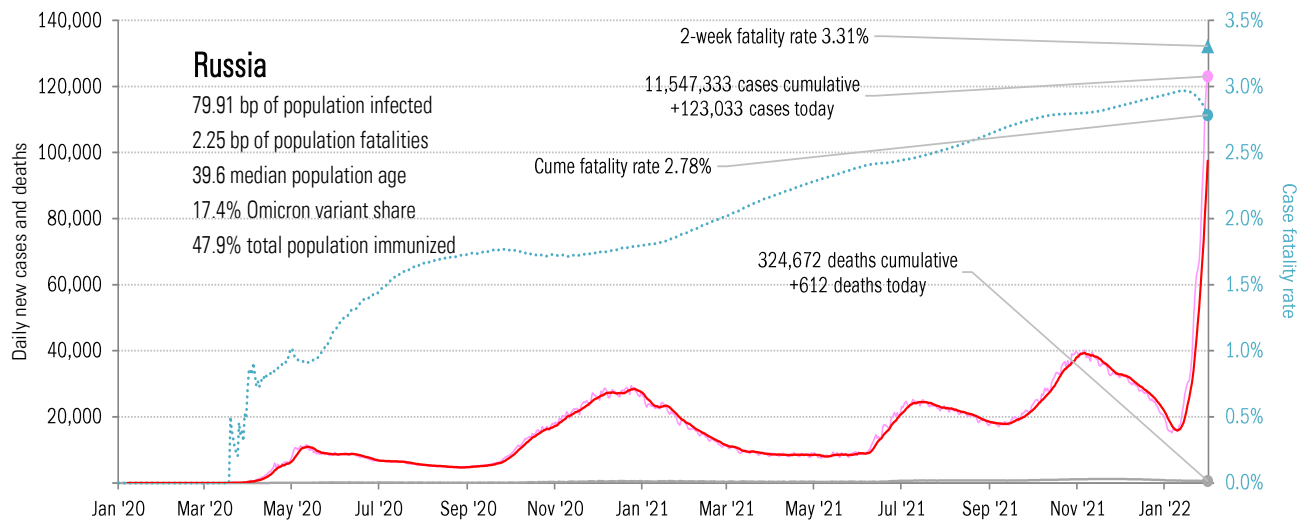
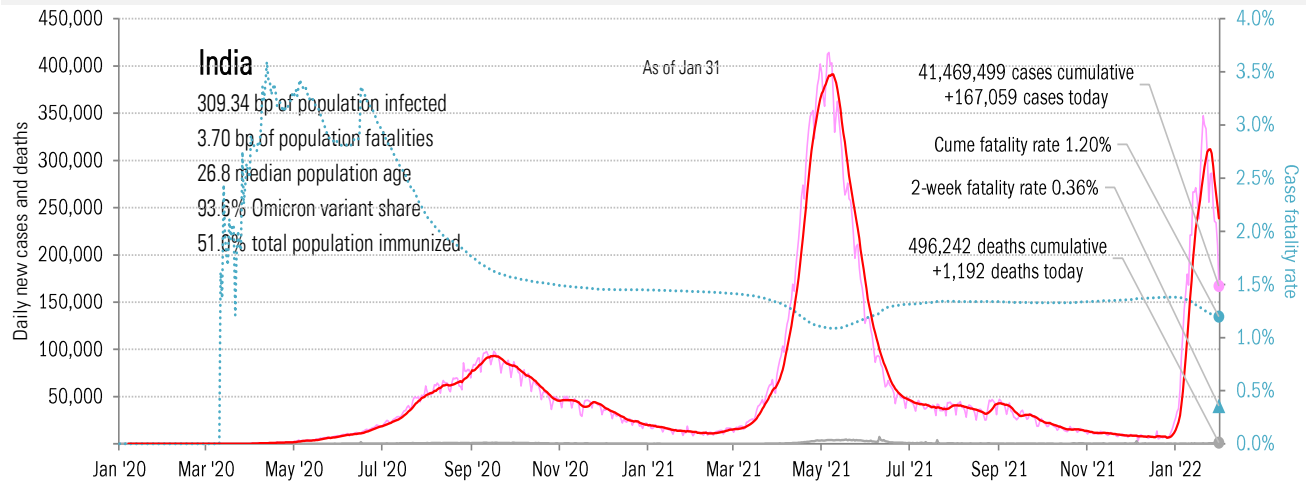
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

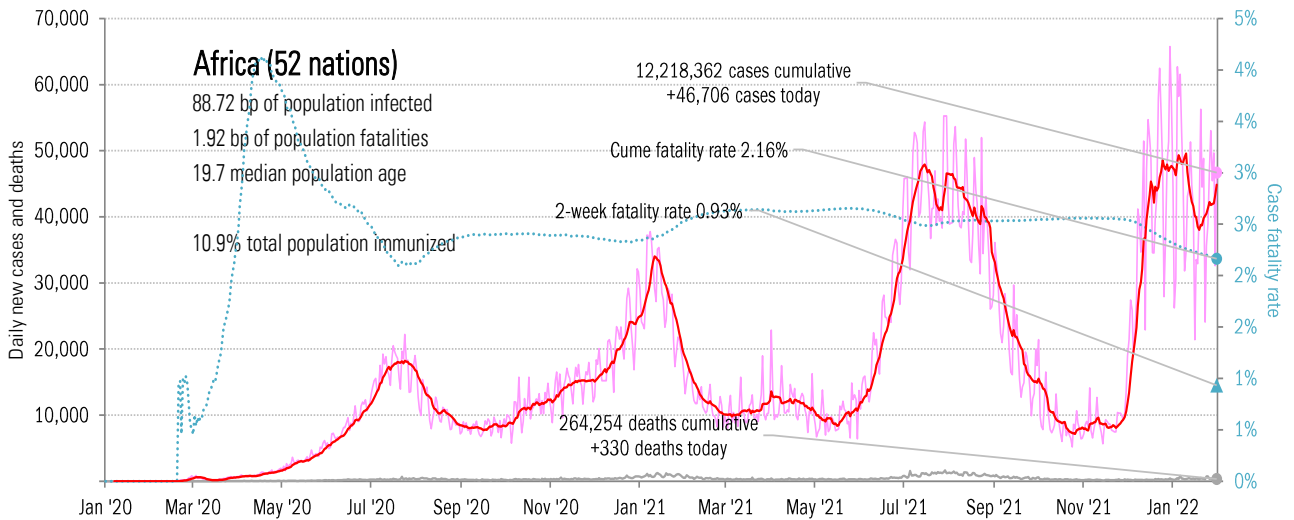
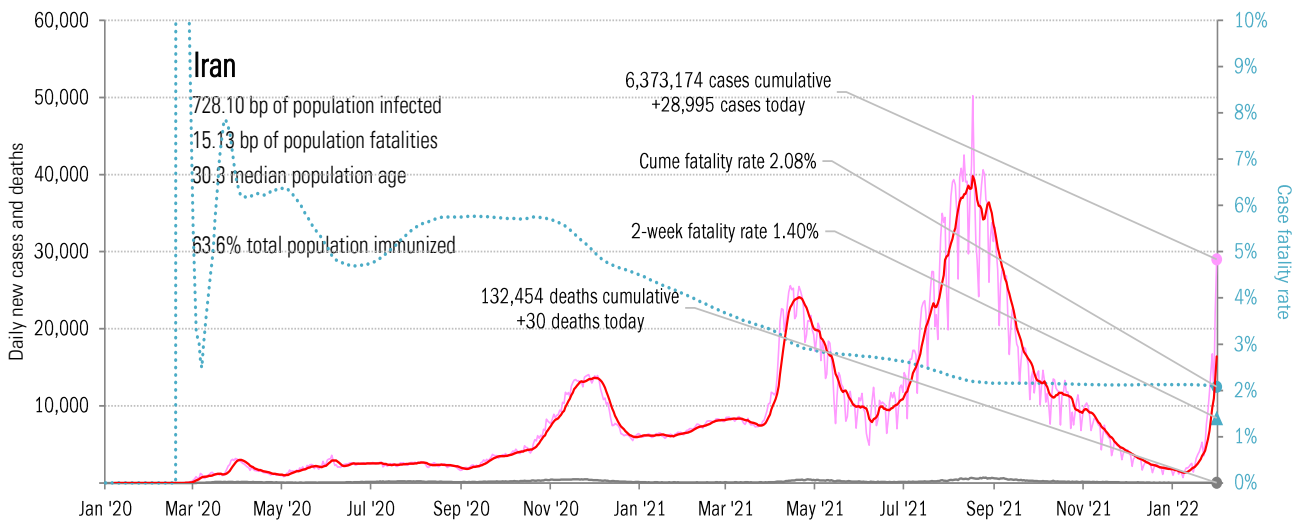
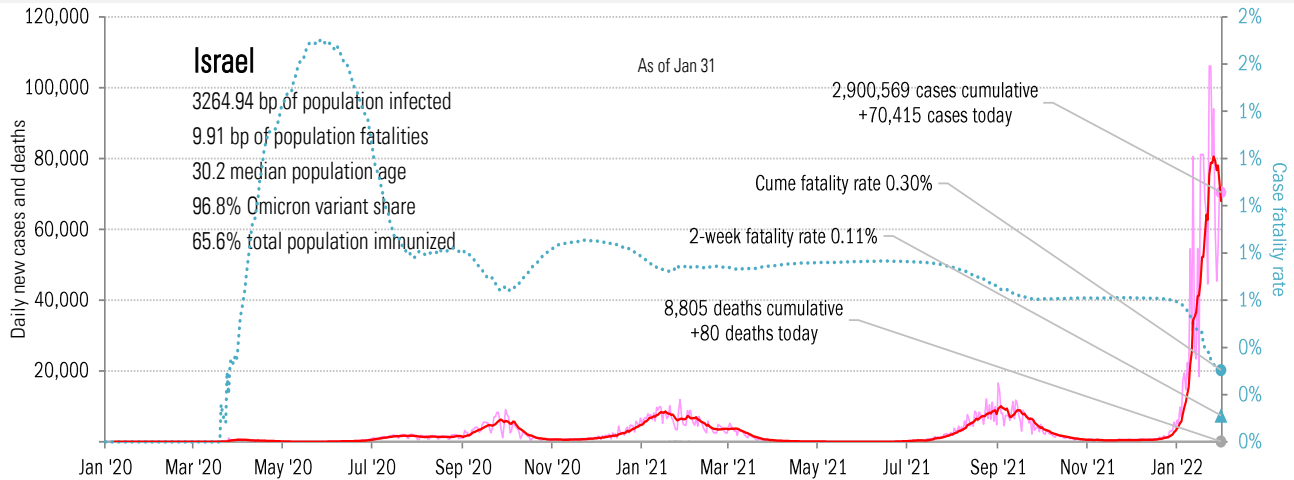
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

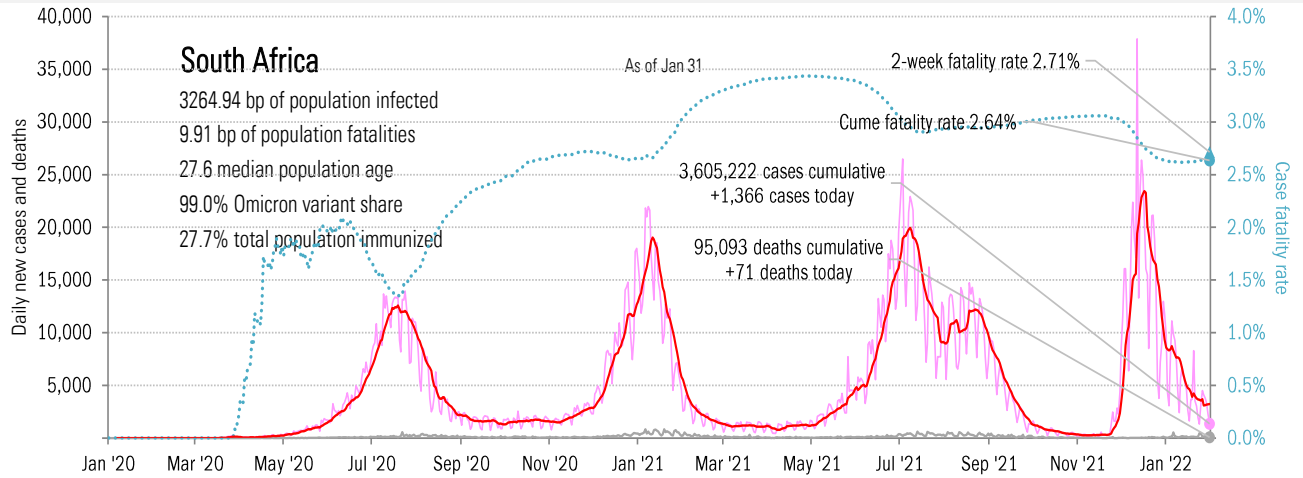
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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