

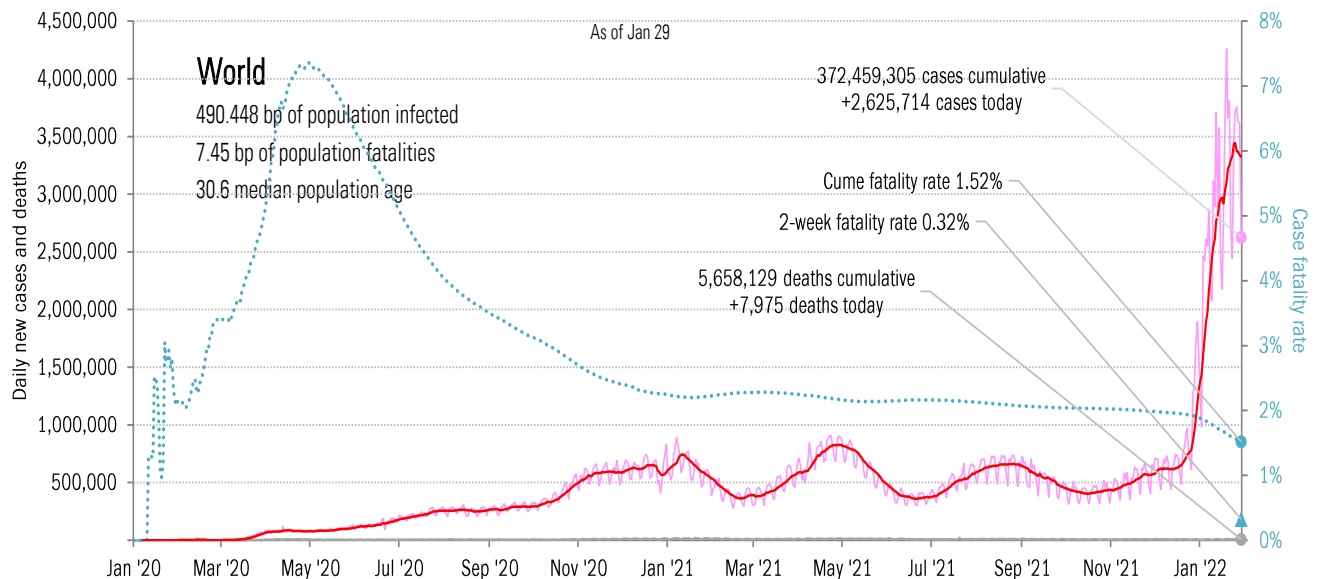
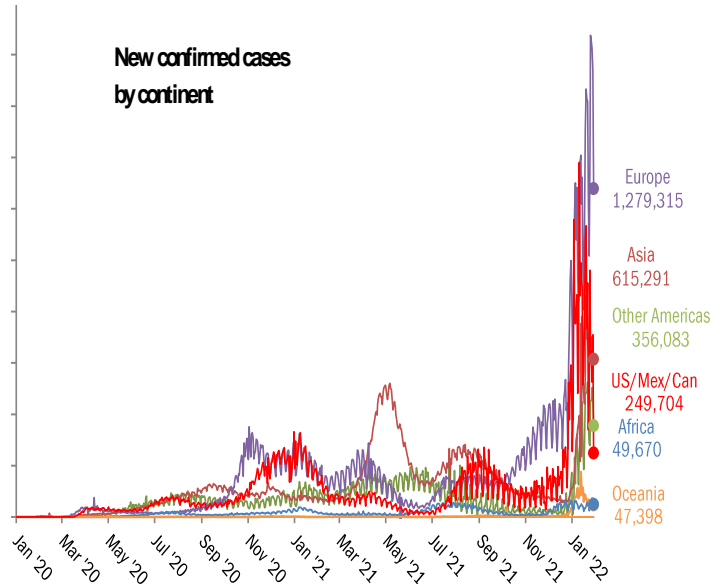
## Data Insights: Covid-2019 Monitor

Sunday, January 30, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
France	332,415	United States	1,228
India	234,281	India	893
Brazil	205,597	Brazil	700
United States	197,255	Russia	656
Italy	137,427	Mexico	522
Germany	113,190	Italy	377
Russia	112,302	United Kingdom	296
Turkey	94,783	Colombia	272
Japan	84,795	Poland	231
United Kingdom	72,405	Argentina	179
<b>1,584,450</b>		<b>5,354</b>	
World	2,625,714	World	7,975
Top ten	60%	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

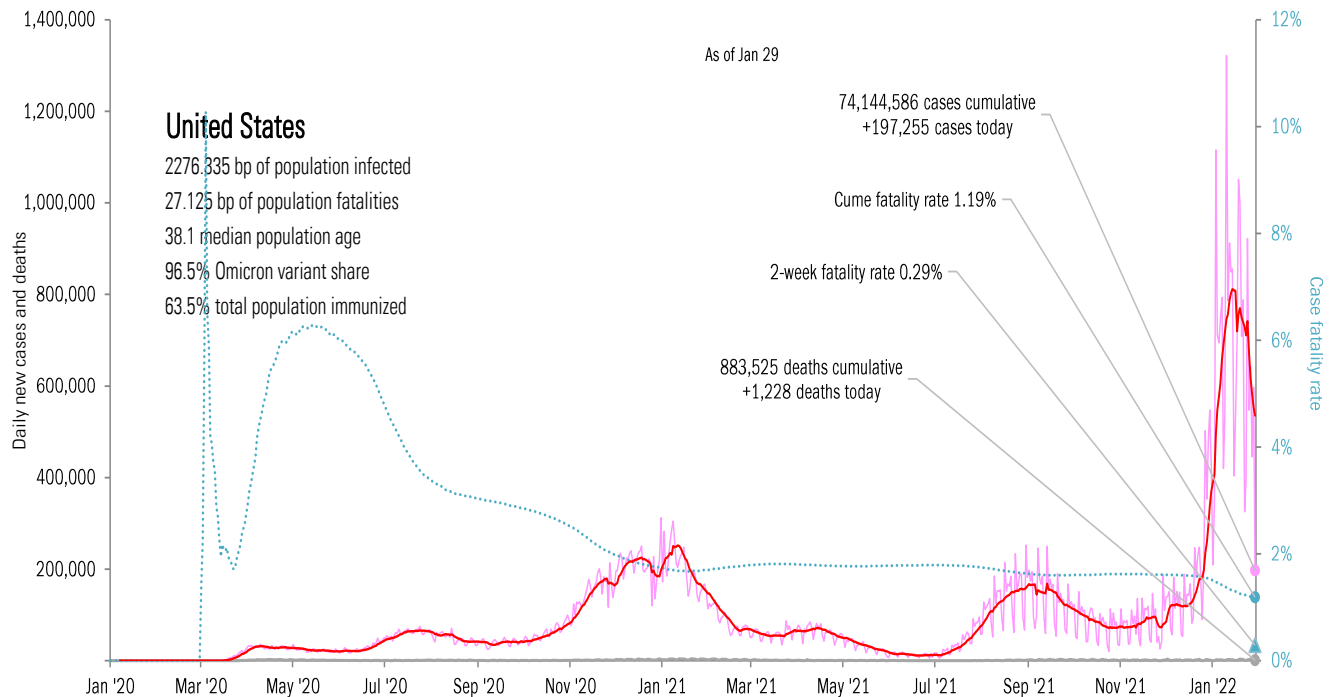
## The ten worst US states

New cases			New Deaths		New in hospital		Cum cases		Cum deaths		Cum in hospital		Hospital use		ICU use							
TX	38,558		NY	202	KY	206	CA	8,275,373	CA	79,764	TX	454,626	GA	86%	AL	95%						
FL	28,253		TX	200	NY	146	TX	6,201,110	TX	79,267	CA	388,370	RI	86%	OK	94%						
CA	22,014		AZ	182	AL	97	FL	5,430,678	NY	64,718	FL	387,541	MD	86%	TX	91%						
AZ	15,506		FL	170	CO	84	NY	4,790,901	FL	64,541	NY	231,712	WV	86%	NM	91%						
PA	12,167		PA	154	OK	65	IL	2,897,174	PA	40,548	GA	191,848	MN	85%	MS	90%						
NY	12,164		CA	75	NC	54	PA	2,649,247	IL	33,121	CH	179,497	PA	85%	RI	90%						
AL	10,751		NJ	71	TN	49	CH	2,571,021	CH	33,071	PA	165,051	MO	85%	NV	90%						
OK	10,539		TN	69	OR	35	NC	2,374,866	GA	32,868	IL	147,416	MA	83%	GA	90%						
IA	8,922		MD	45	NE	32	GA	2,346,518	MI	32,197	MI	131,944	WA	83%	NH	90%						
MO	8,713		AL	39	WV	24	MI	2,235,180	NJ	31,391	KY	131,021	NH	83%	KY	89%						
167,587			1,207		792		39,772,068		491,486		2,409,026											
All states			197,255		1,228		-973		All states		74,144,586		883,525		4,353,140		All states		70%		67%	
Top ten			85%		98%		-81%		Top ten		54%		56%		55%		Median		79%		82%	

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-59,542	CA	-214	FL	-211	FR	+30 bp
WA	-36,579	MI	-212	AZ	-126	AL	+10 bp
AL	-31,657	AL	-182	UT	-88	AZ	+10 bp
MI	-31,534	GA	-150	KS	-42	CA	+10 bp
NC	-22,631	IN	-136	MS	-38	CO	+10 bp



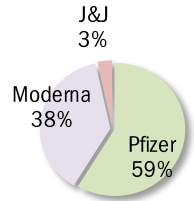
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	551,686,009		+0.858 million		US	63.5%	75.2%	
Boosters	88,565,239		+0.433 million		UK	70.9%	76.7%	
	One dose	% Pop	Immune	% pop	New immune today	France	76.1%	79.7%
Total population	257,191,041	77%	217,590,512	65%	+0.191 million	Spain	81.9%	87.5%
Age 12 to 17	16,921,315	67%	14,291,284	56%	+0.020 million	Germany	73.2%	75.1%
Age 18 to 64	173,623,390	85%	147,077,429	72%	+0.094 million	Italy	76.2%	83.0%
Age 65 and over	57,895,290	100%	50,091,959	91%	+0.011 million	Australia	78.3%	83.9%

Israel	65.5%	72.0%
Canada	78.9%	84.9%
Japan	79.1%	80.4%
Africa	10.8%	15.9%
India	50.3%	67.4%
Brazil	70.0%	79.4%
China	85.0%	87.7%

Global data differs due to sources, timing



AK
67.8%
58.3%

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

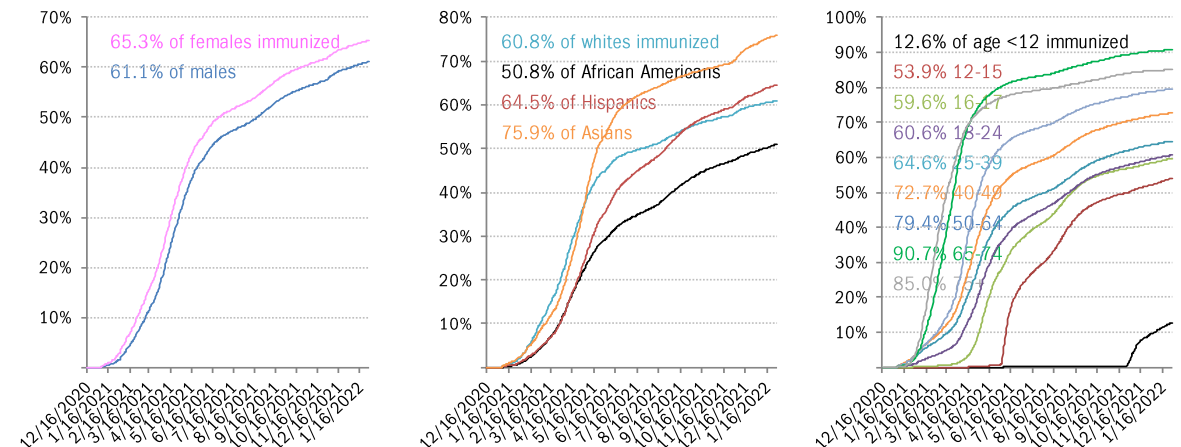


"Immunity" = two doses

As of Jan 29

WI	70.3%	63.5%	ME	88.5%	77.5%																
WA	78.6%	59.5%	MT	63.8%	64.0%	MN	73.5%	75.1%	MI	65.1%	NY	87.5%	VT	92.0%	NH	95.0%					
	69.9%	52.1%		55.2%		53.9%		67.0%		66.0%		68.0%		65.1%		74.0%		79.3%		68.7%	
OR	76.1%	NV	72.8%	WY	57.2%	SD	73.8%	IA	66.6%	IN	59.9%	OH	62.3%	PA	81.9%	NJ	87.4%	MA	94.8%		
	67.8%		58.4%		49.8%		58.8%		60.3%		53.2%		56.7%		65.7%		72.6%		76.4%		
CA	80.2%	UT	69.7%	CO	77.3%	NE	68.6%	MO	64.6%	KY	64.6%	WV	63.5%	VA	83.0%	MD	83.6%	CT	92.5%	RI	94.5%
	69.0%		60.6%		68.2%		61.5%		54.3%		55.6%		56.1%		70.5%		72.5%		76.5%		78.9%
		AZ	70.0%	NM	84.4%	KS	72.4%	AR	65.0%	TN	60.6%	NC	80.7%	SC	65.6%	DC	93.1%	DE	80.3%		
			58.7%		68.3%		59.0%		52.7%		52.7%		58.4%		54.8%		69.9%		66.2%		
				OK	69.1%	LA	59.4%	MS	58.0%	AL	61.1%	GA	63.6%								
					55.1%		51.7%		50.0%		49.4%		52.8%								
HI	84.9%	75.8%	TX	69.6%	58.8%	FL	77.1%	65.0%	PR	92.9%	79.3%										

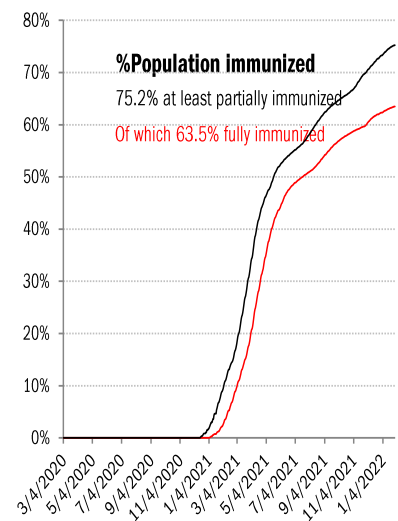
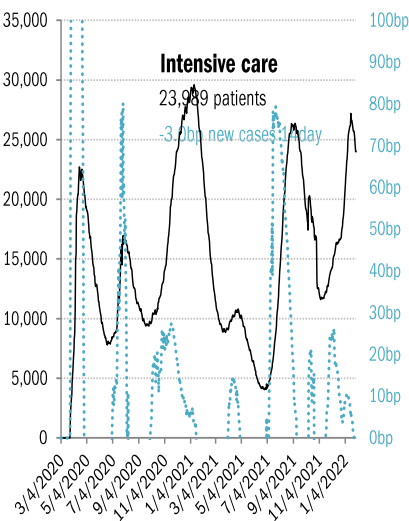
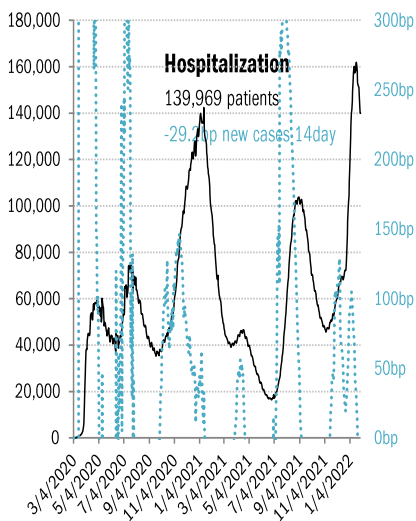
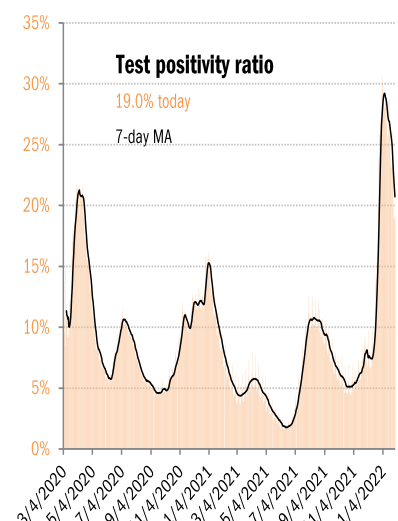
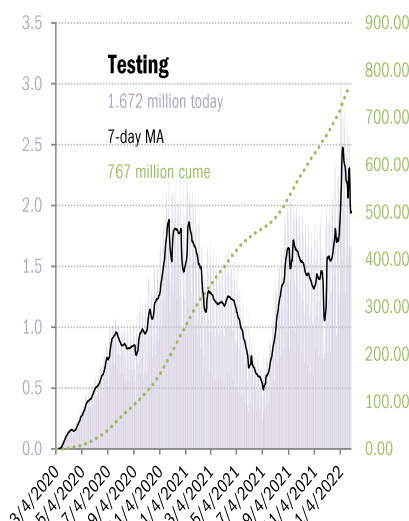
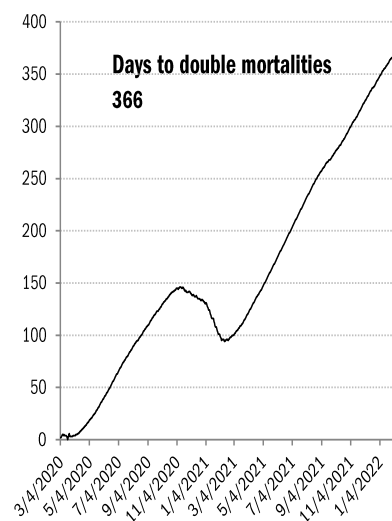
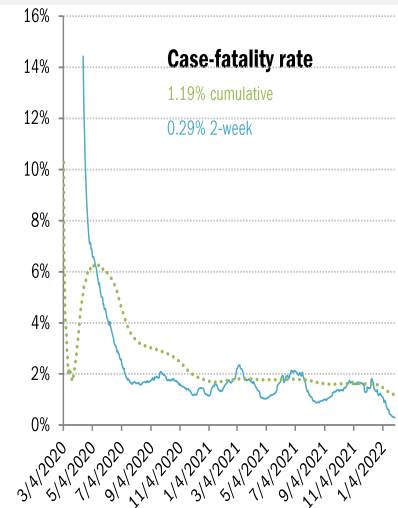
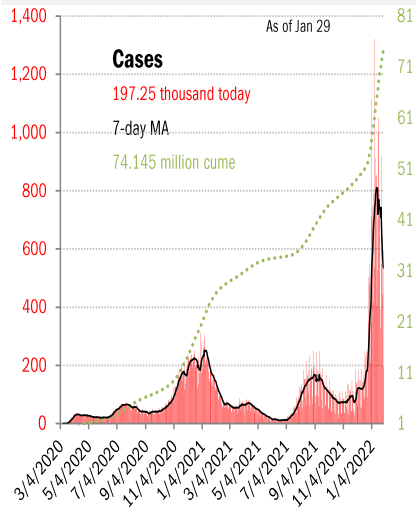
## The demographics of US vaccination



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

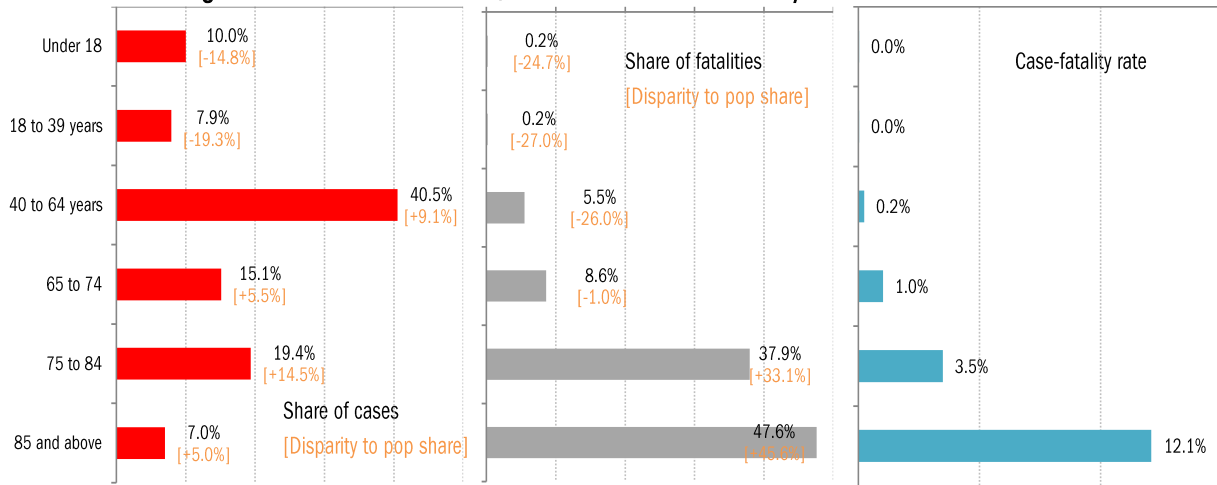
# US deep-dive

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

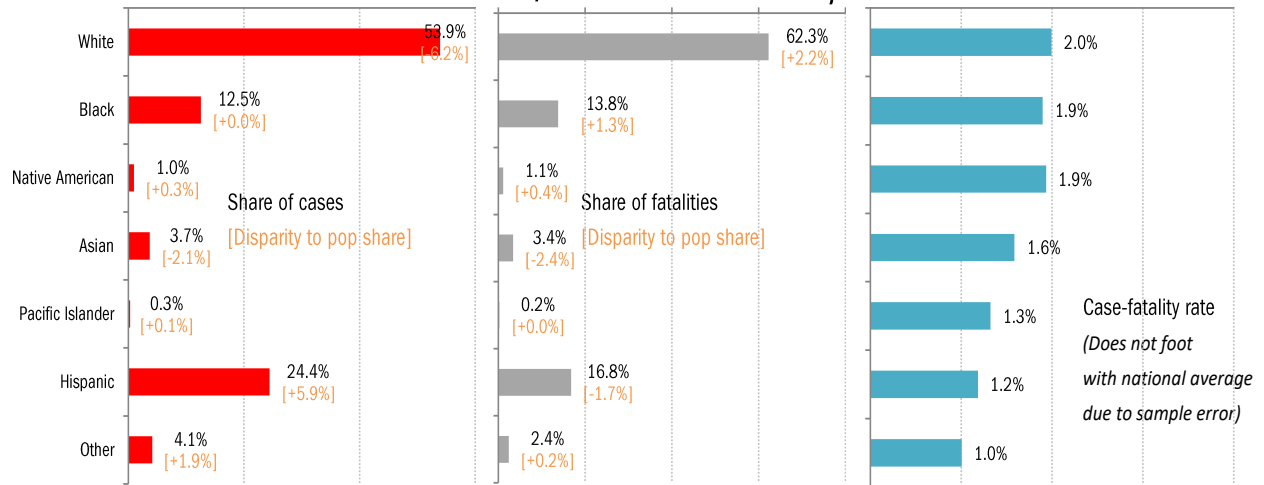


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

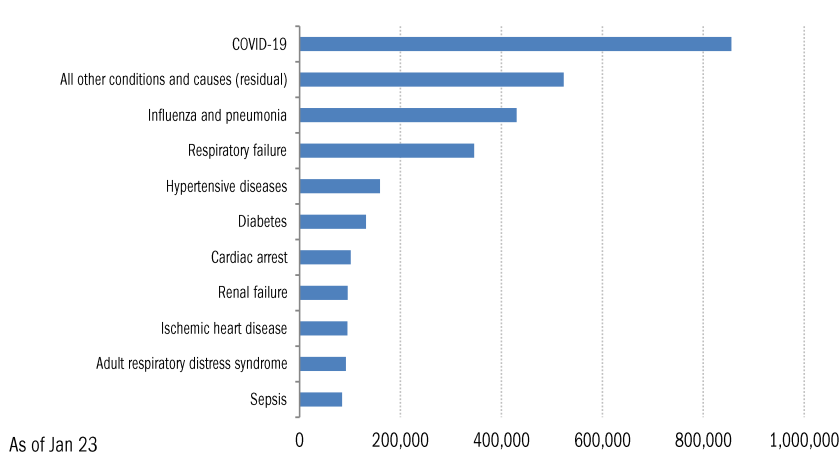


Racial distribution of US cases, fatalities and case-fatality rates



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

[Cases Jump Ahead of China Olympics; Iran Outbreak](#)

*Bloomberg*

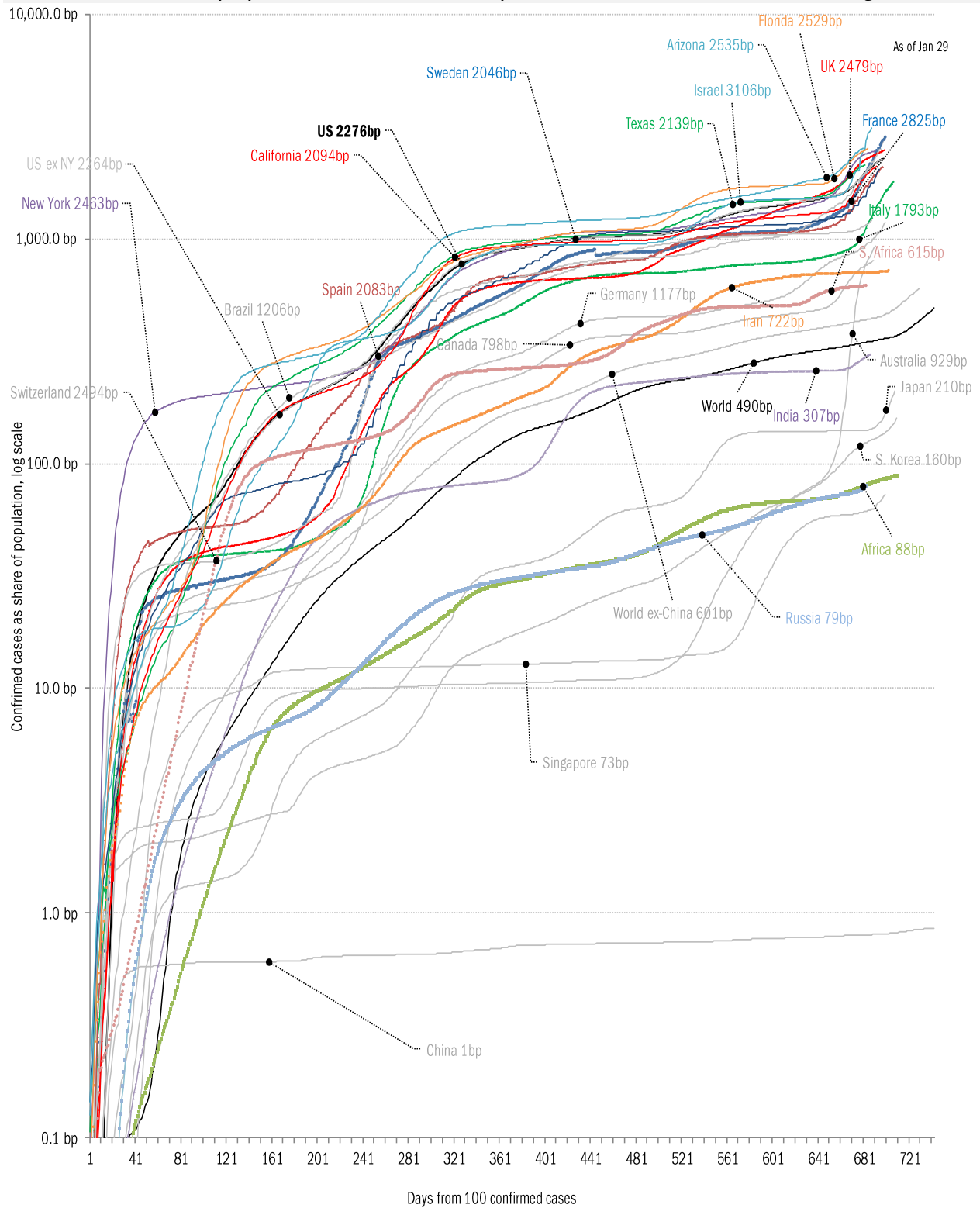
January 29, 2022

## Meme of the day



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

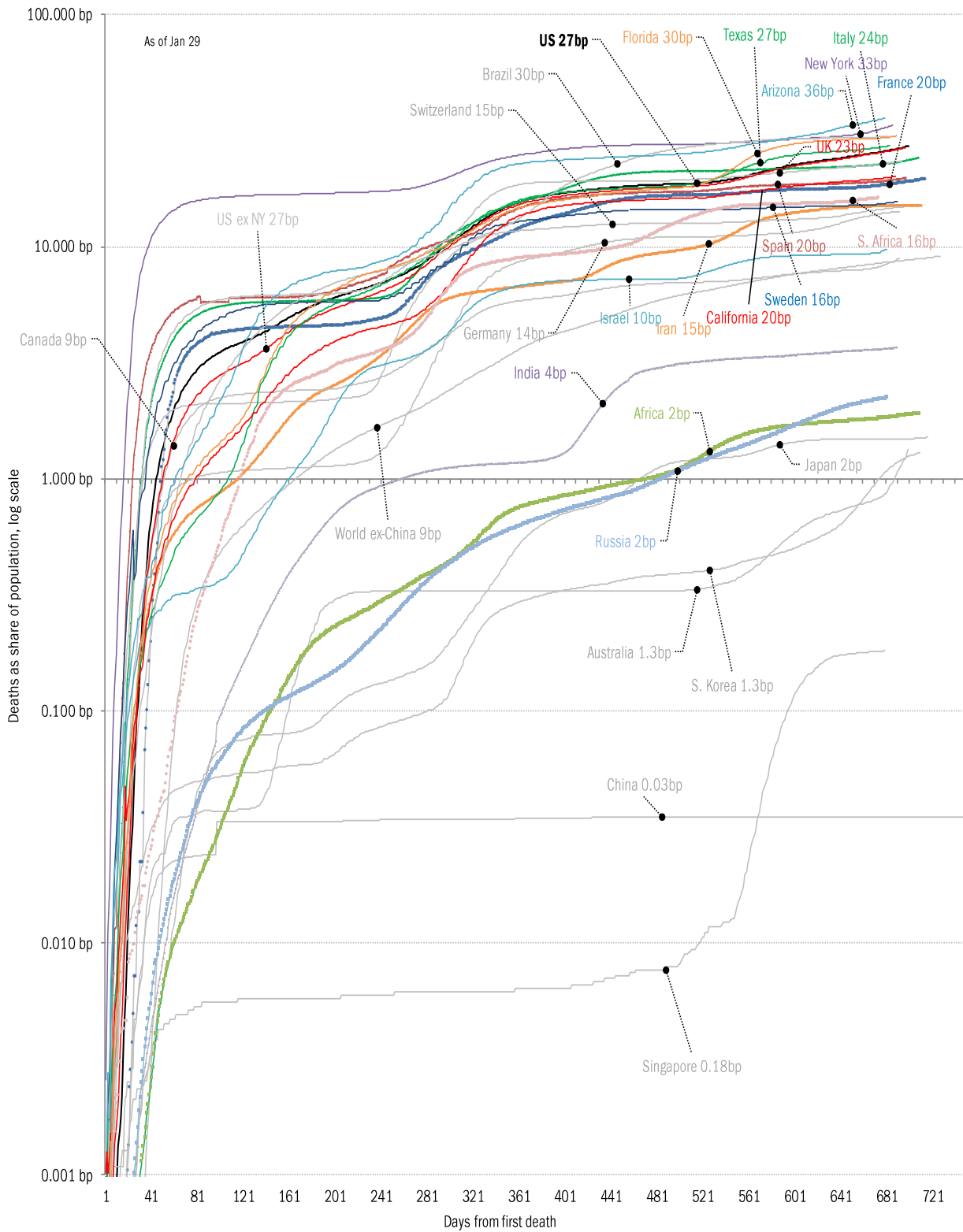
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



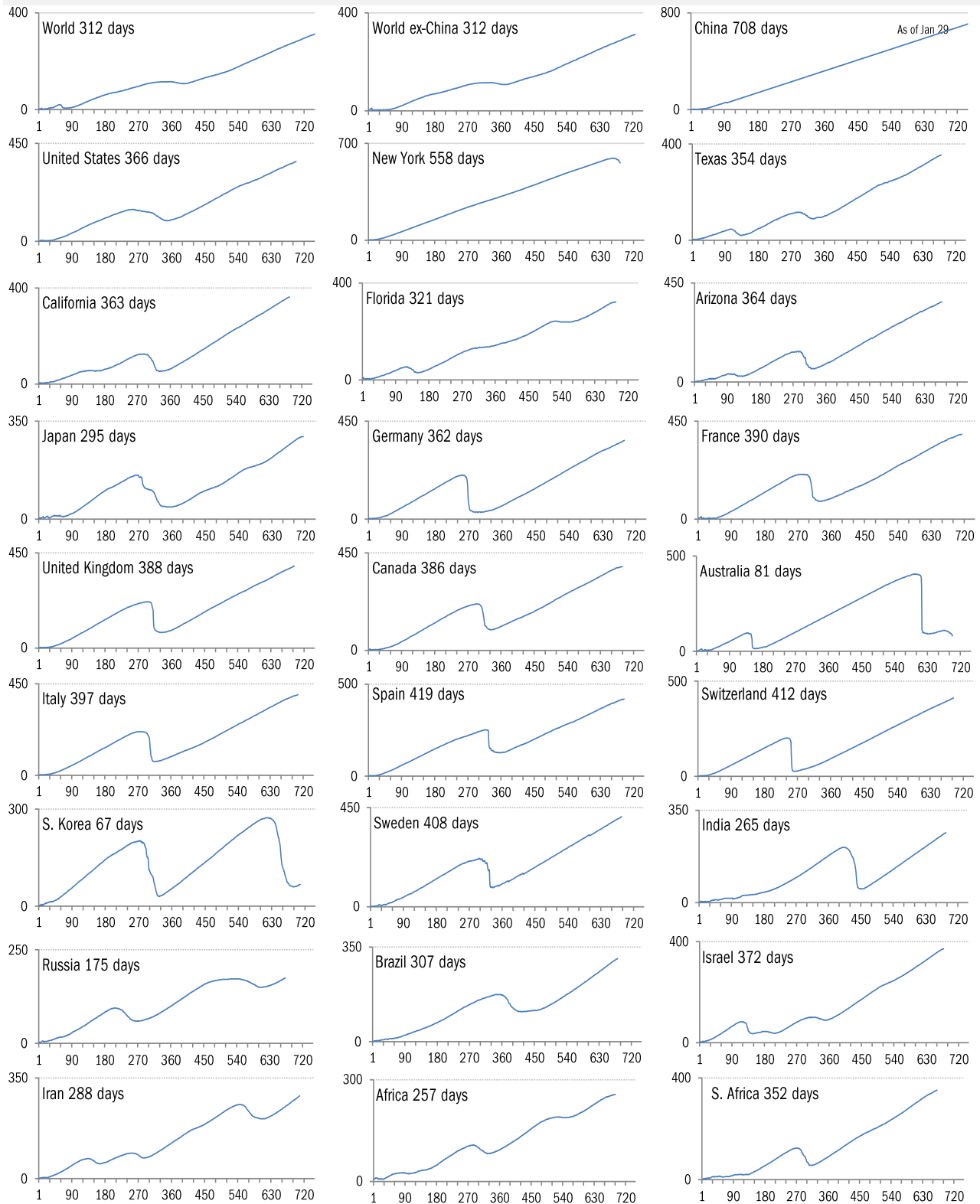
Source: [Johns Hopkins](#), TrendMacro calculations



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

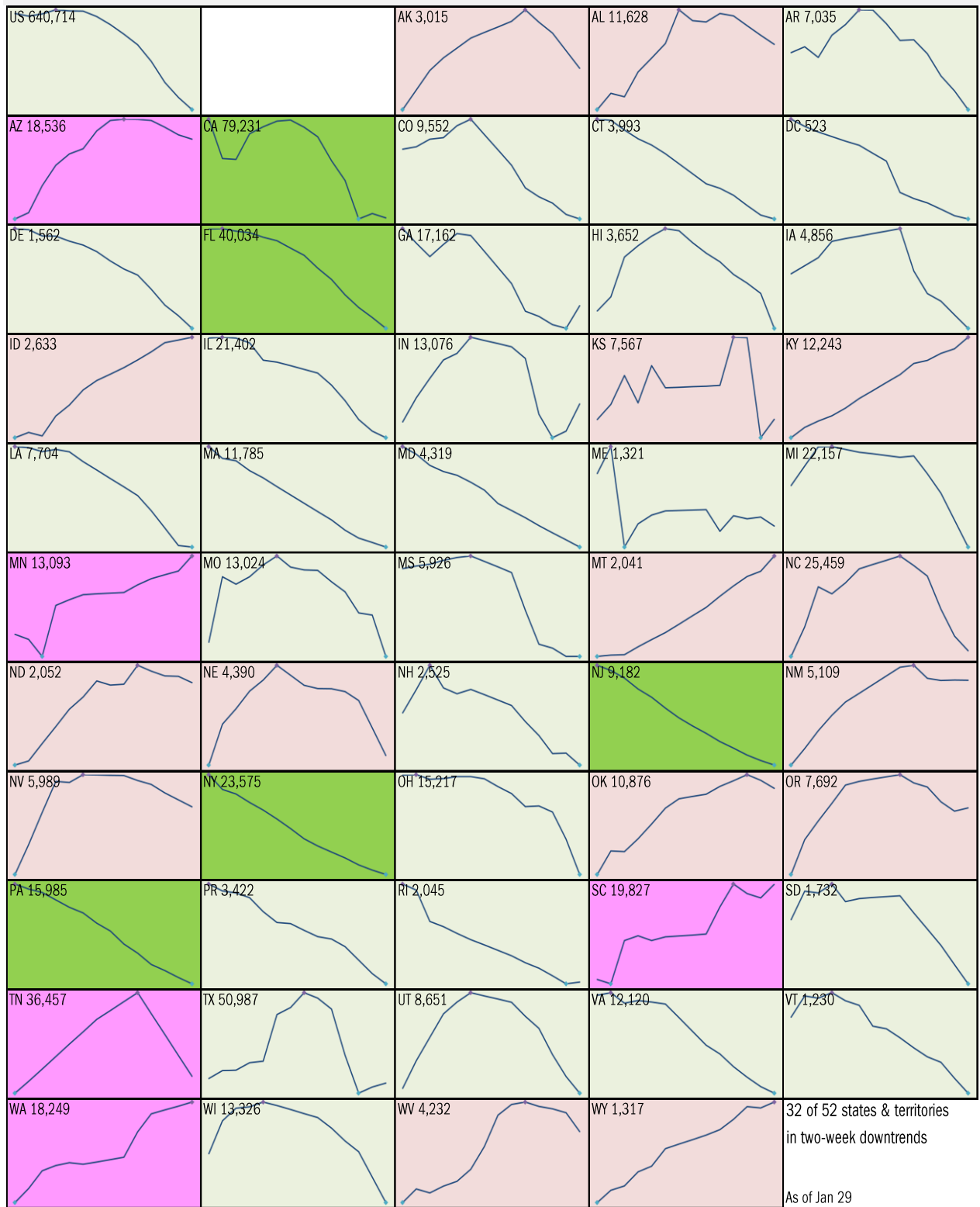


Source: [Johns Hopkins](#), TrendMacro calculations

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

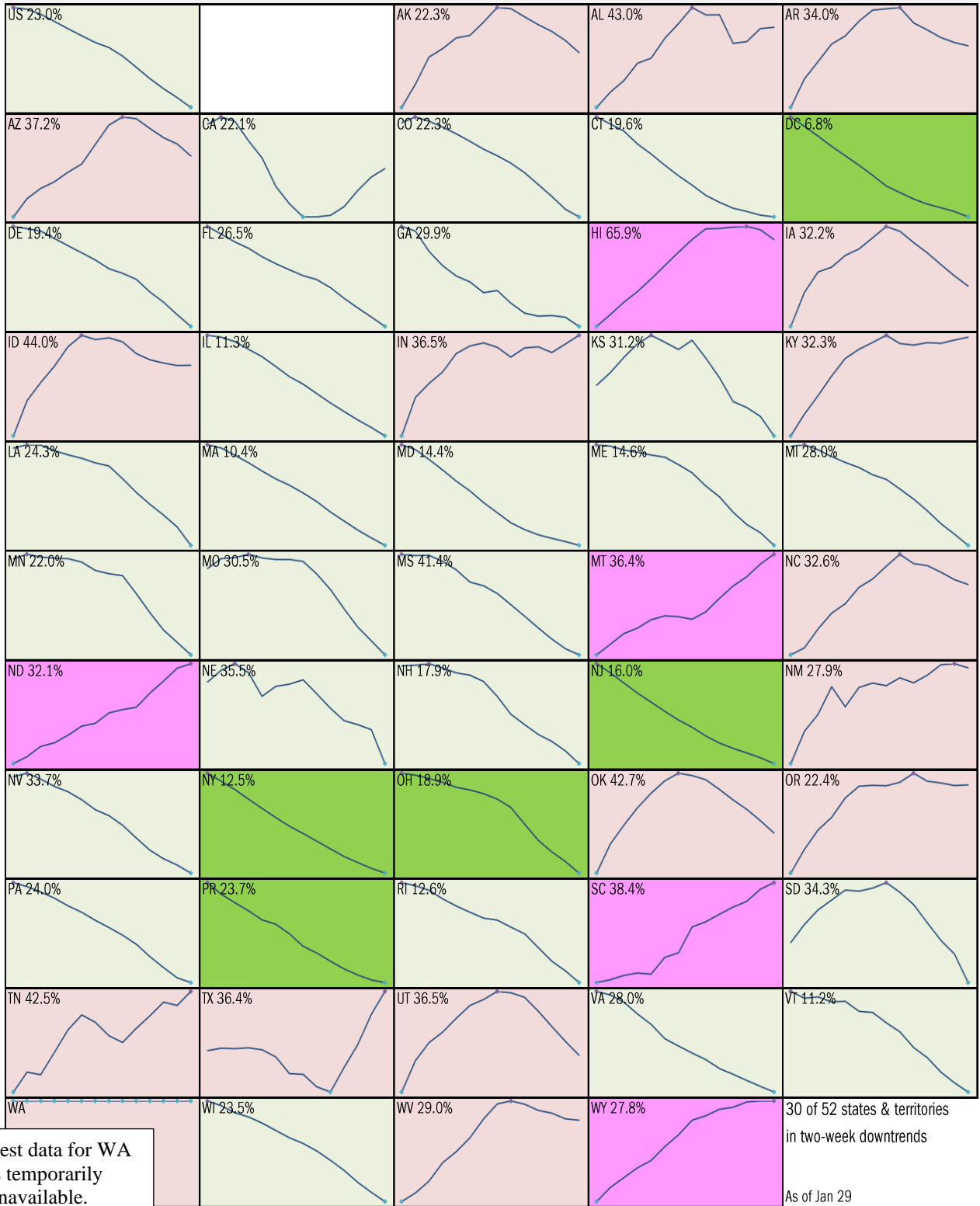


Source: [Johns Hopkins](#), TrendMacro calculations

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

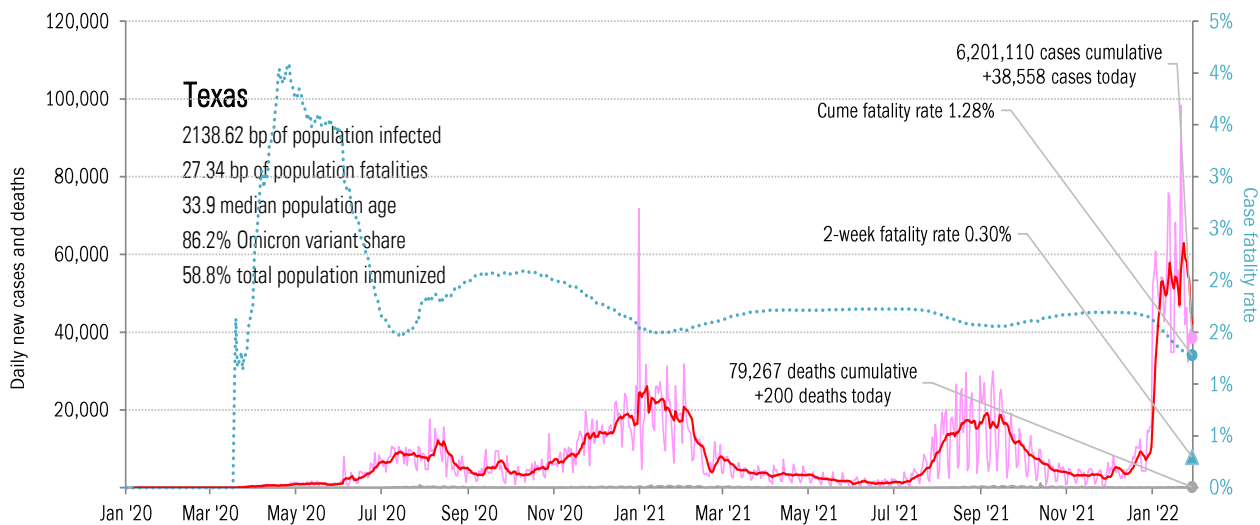
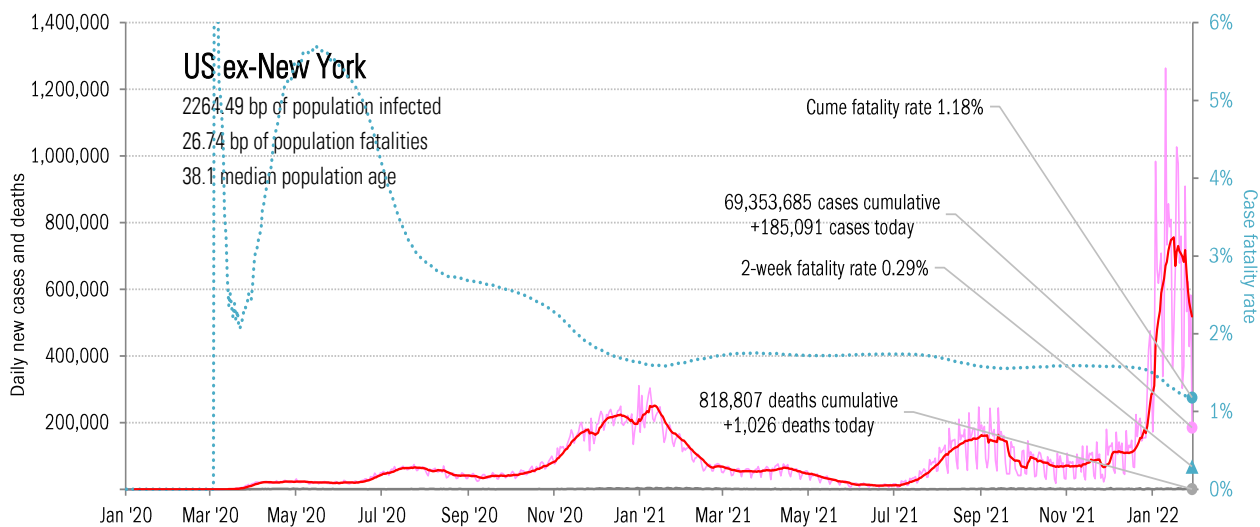
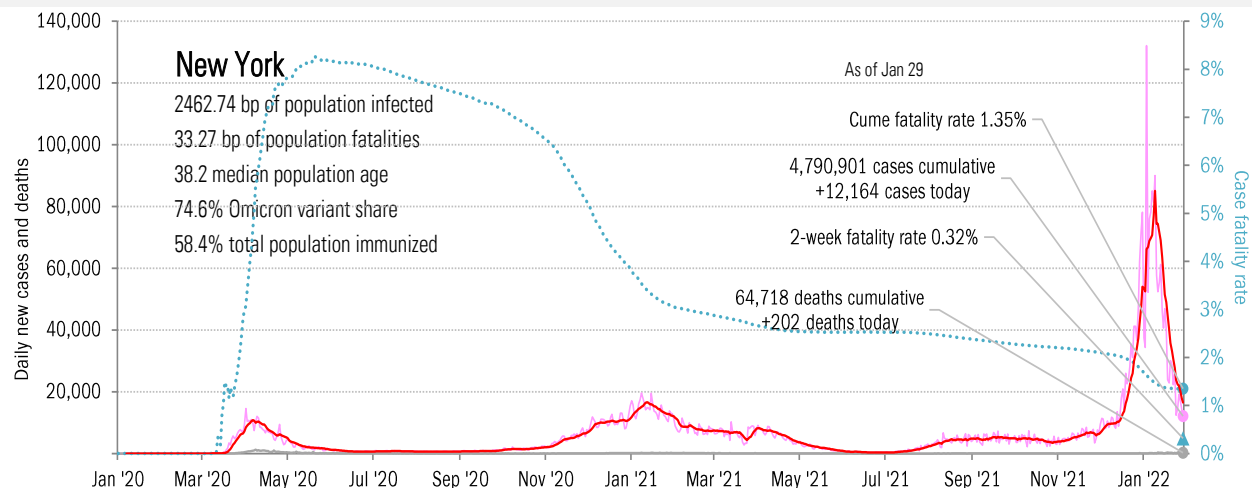


Test data for WA is temporarily unavailable.

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

# From Ground Zero to the Rio Grande

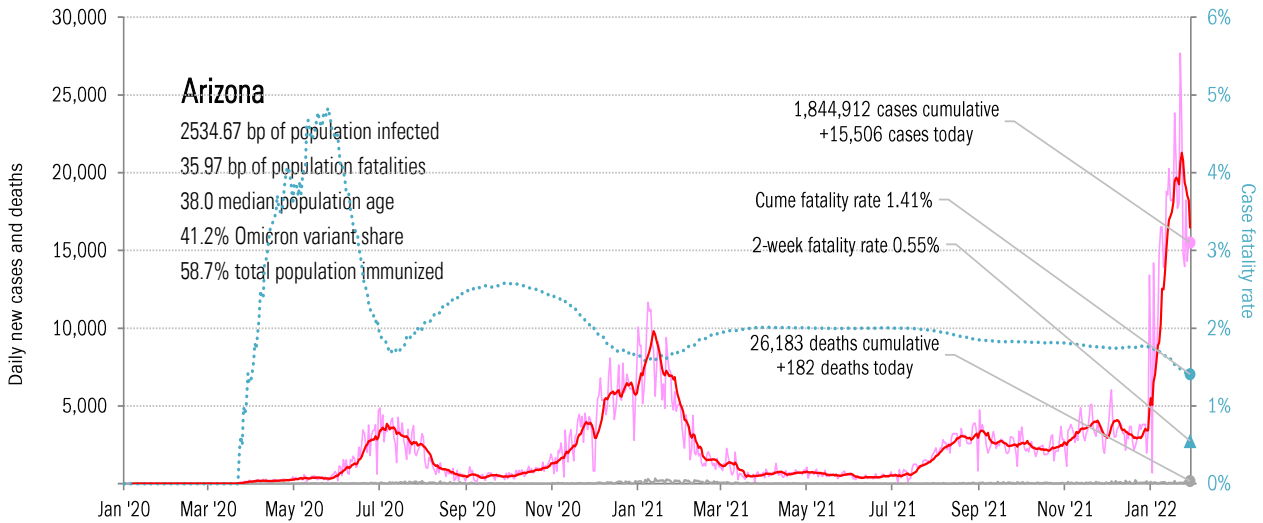
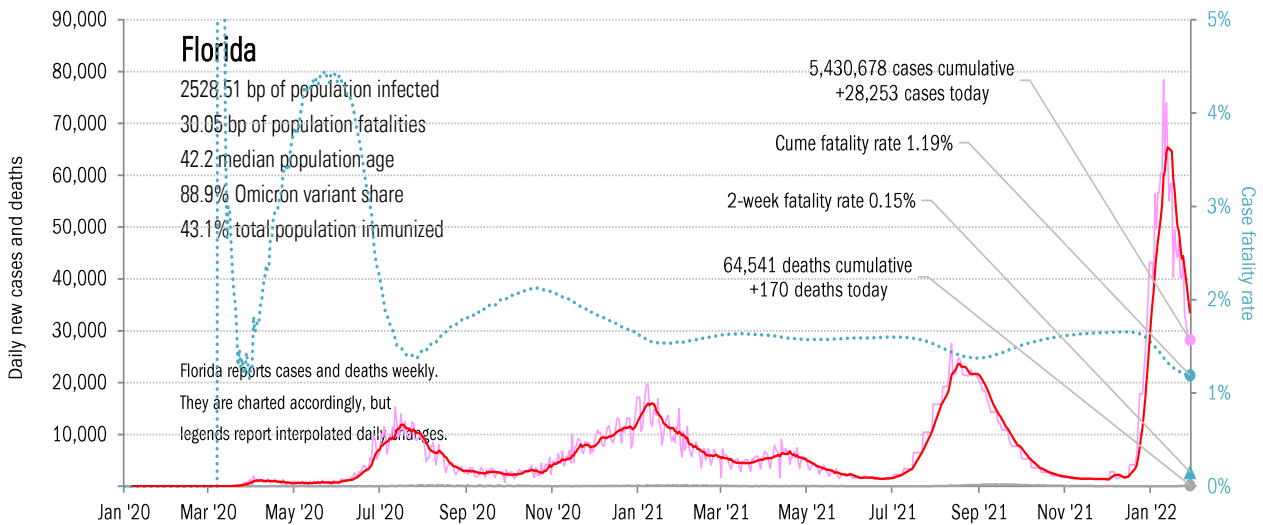
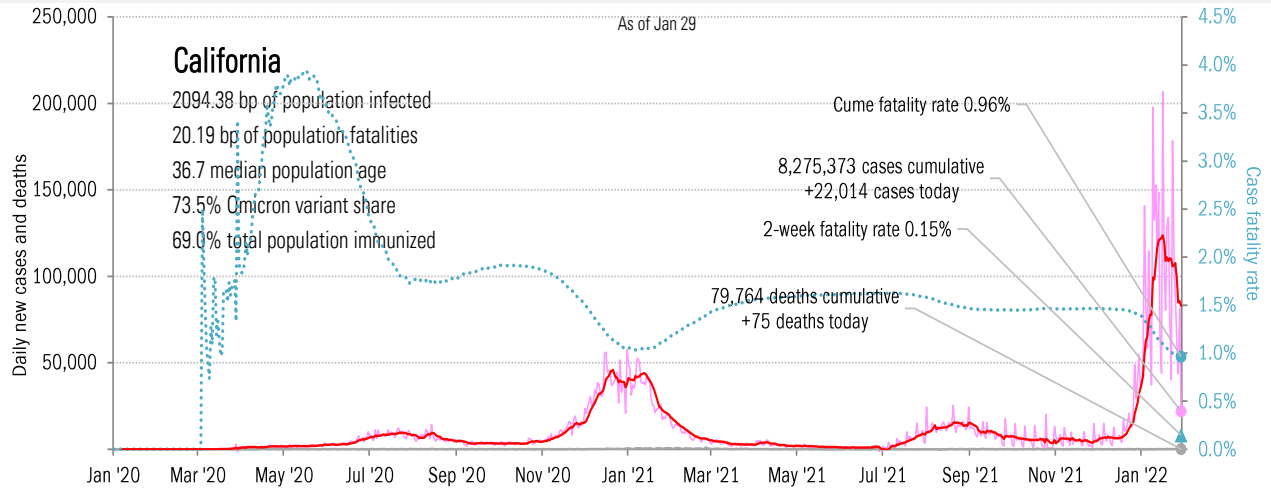
Cases: 7-day average and daily Deaths: Daily



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

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

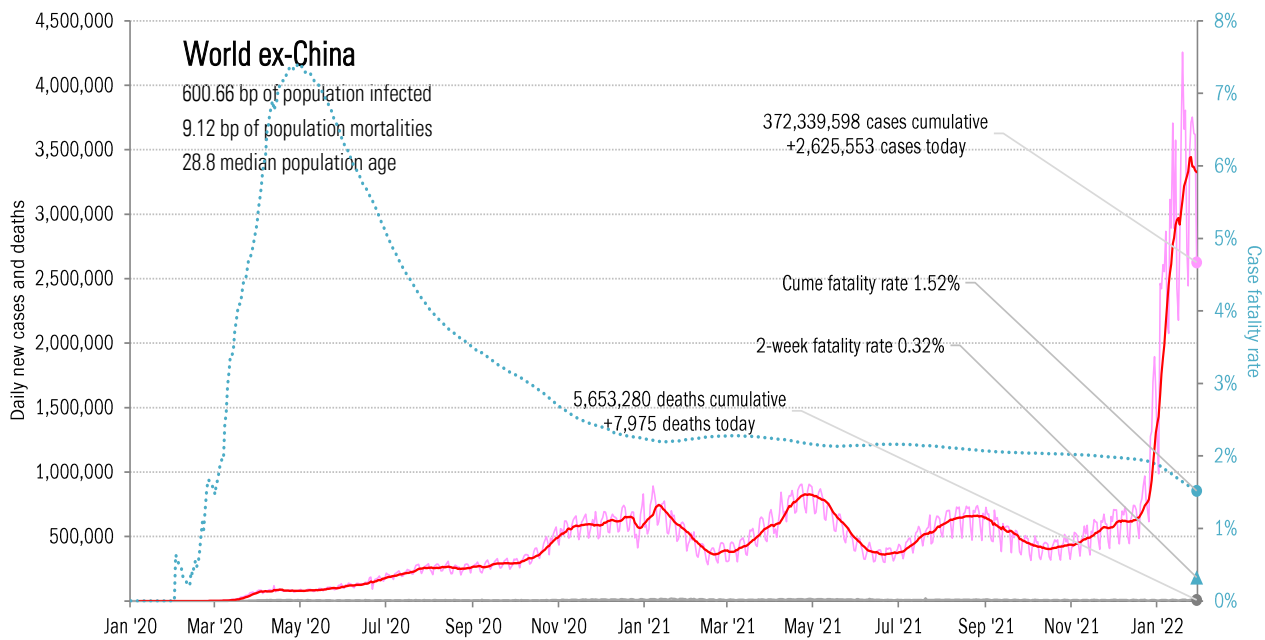
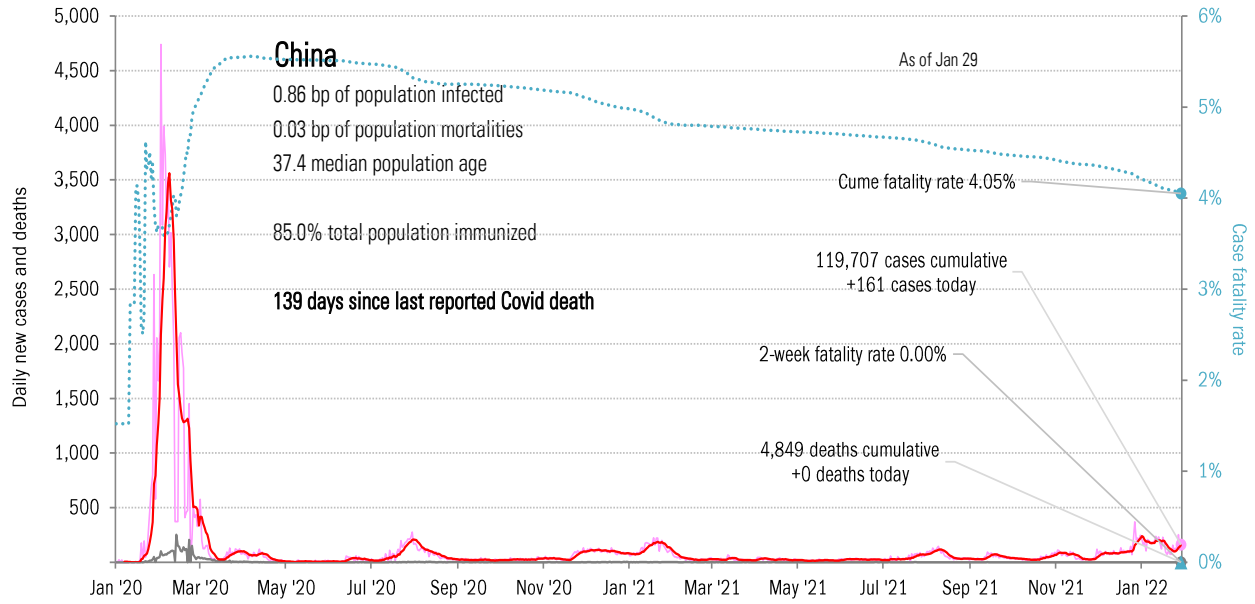
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

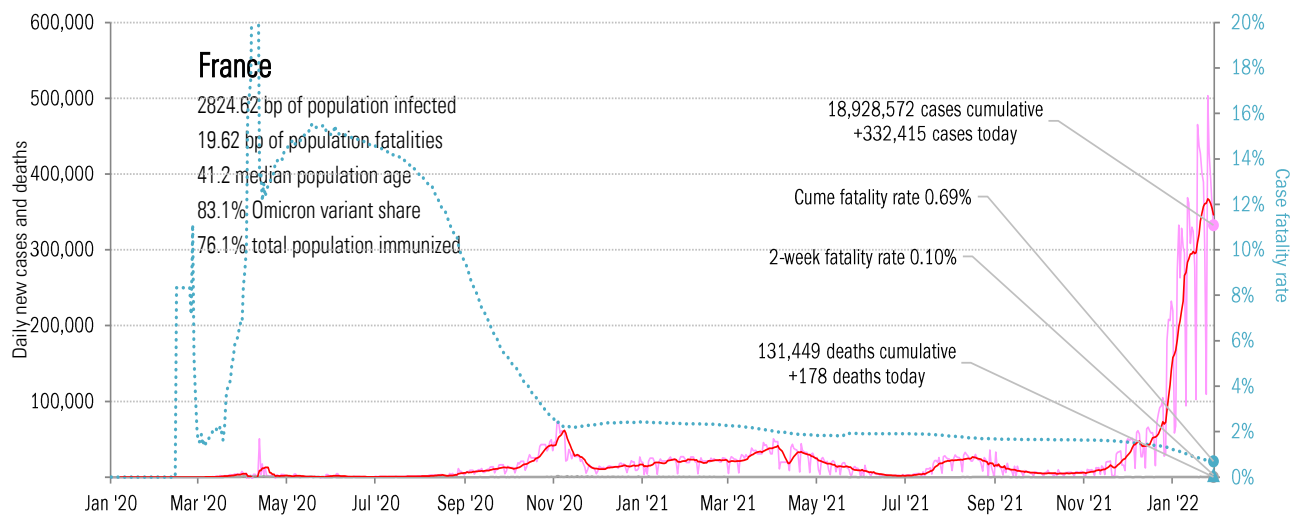
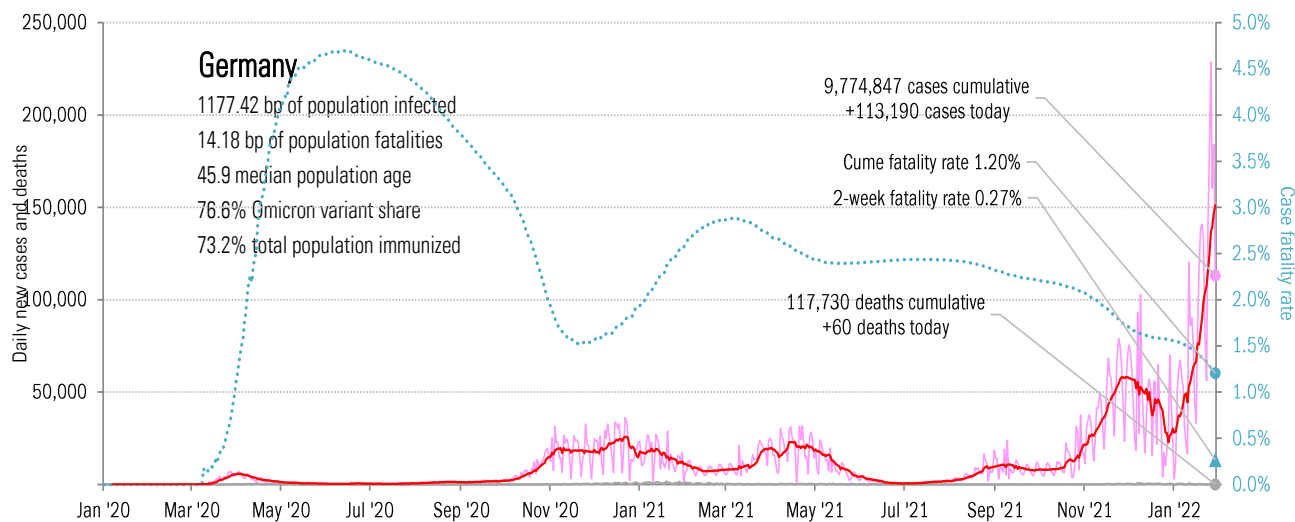
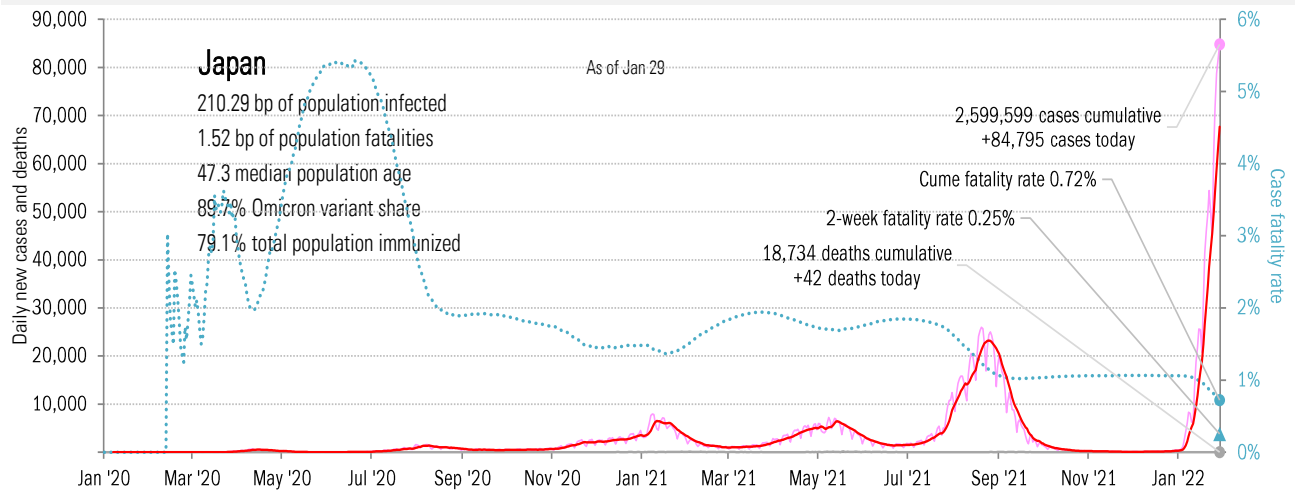
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

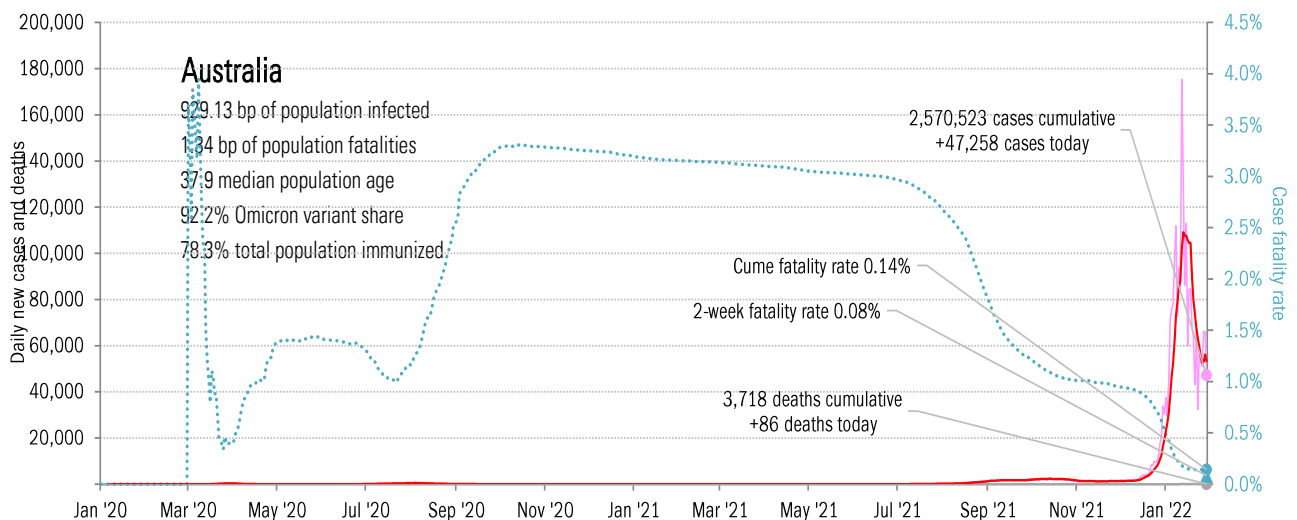
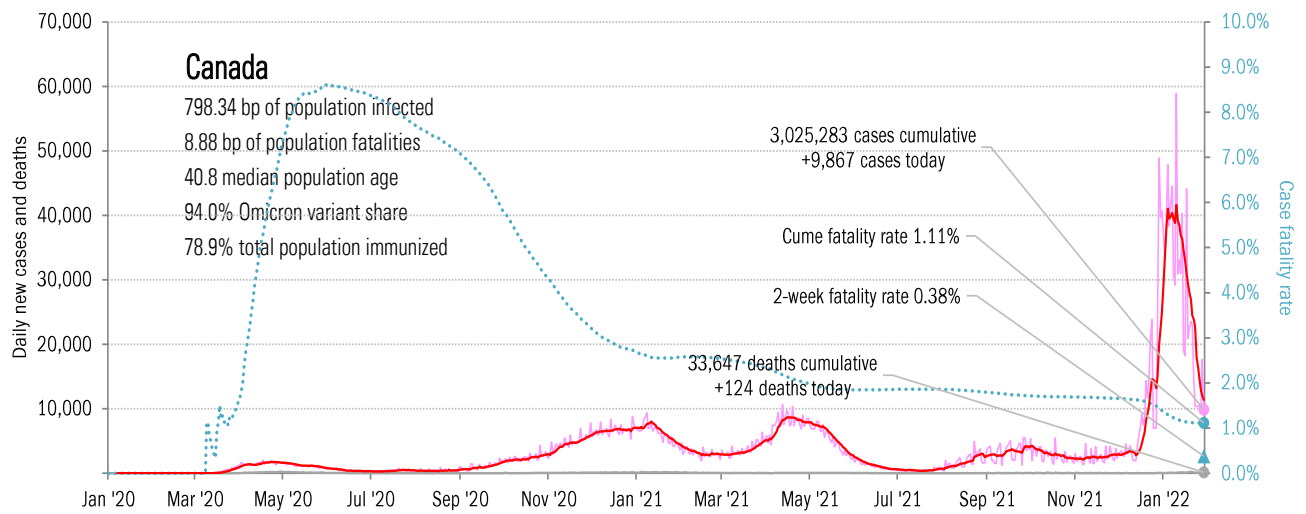
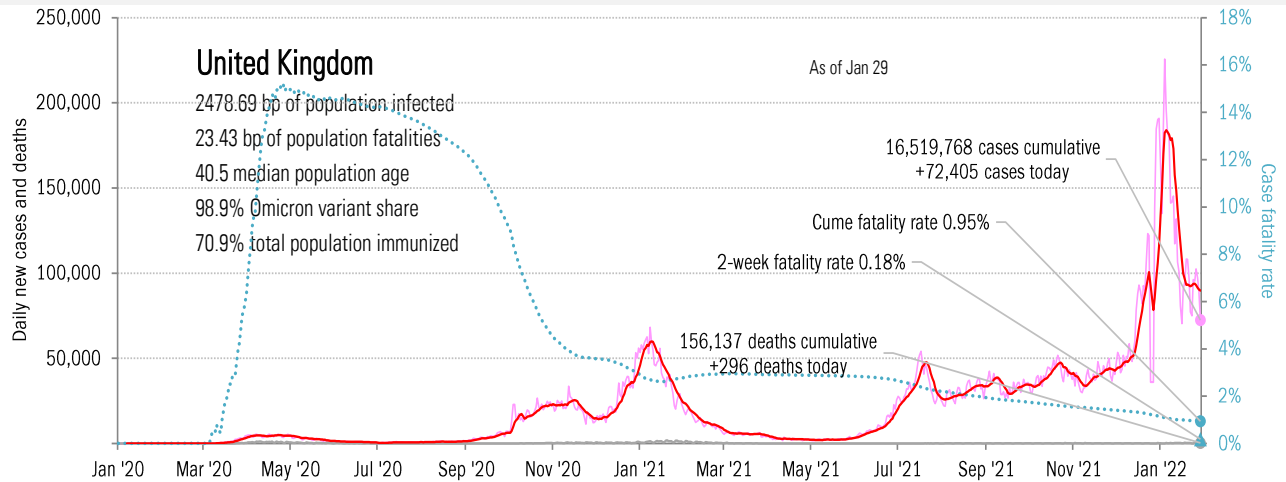


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

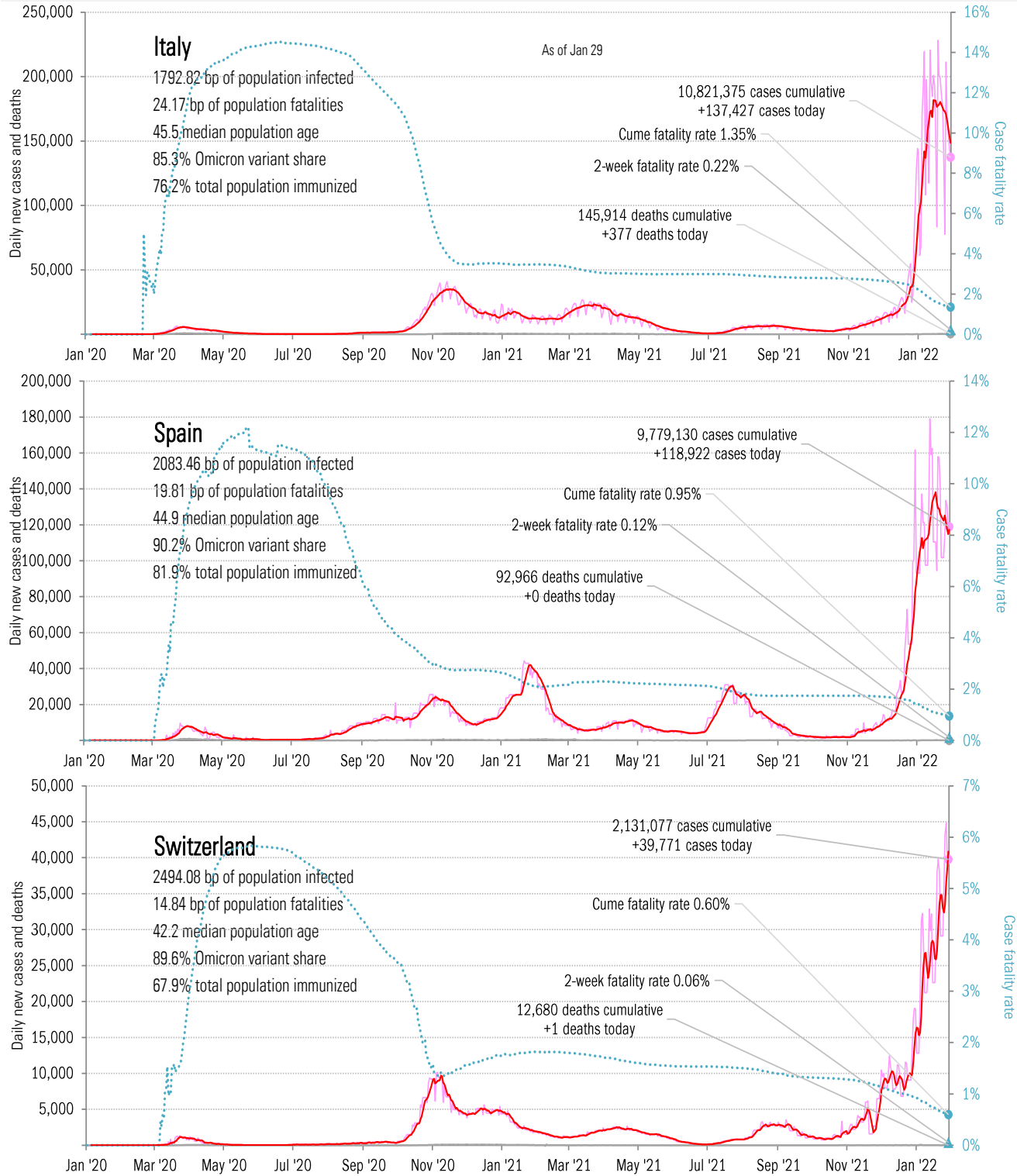
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

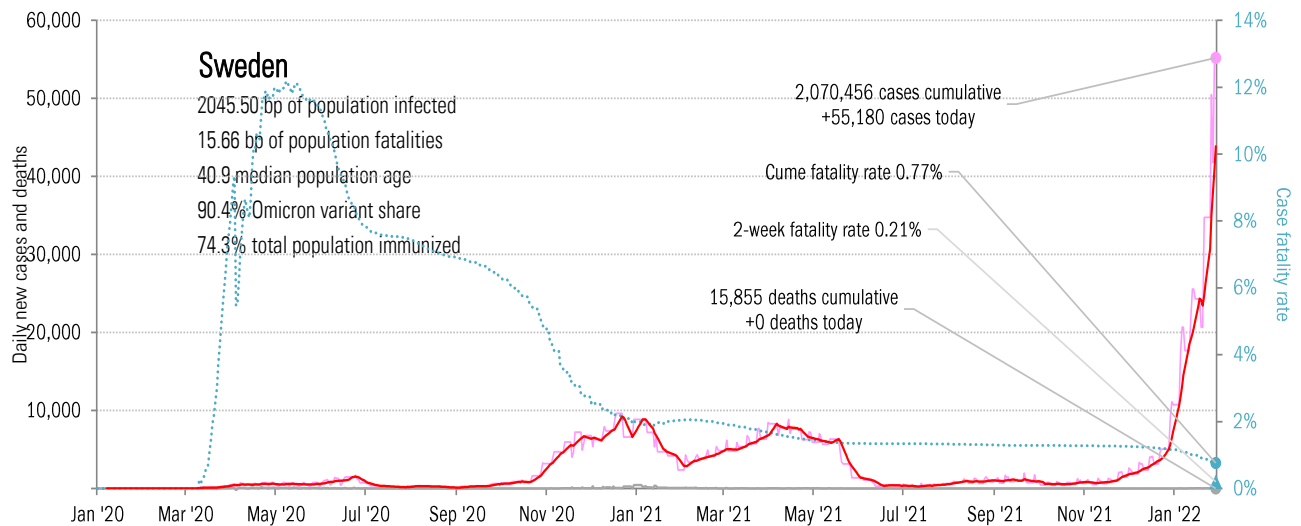
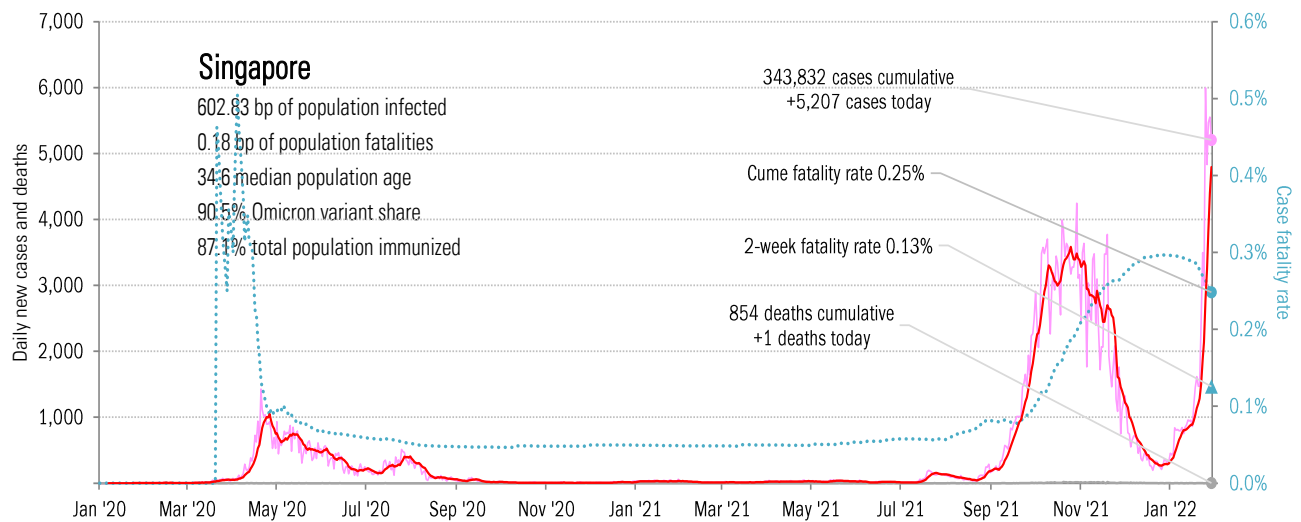
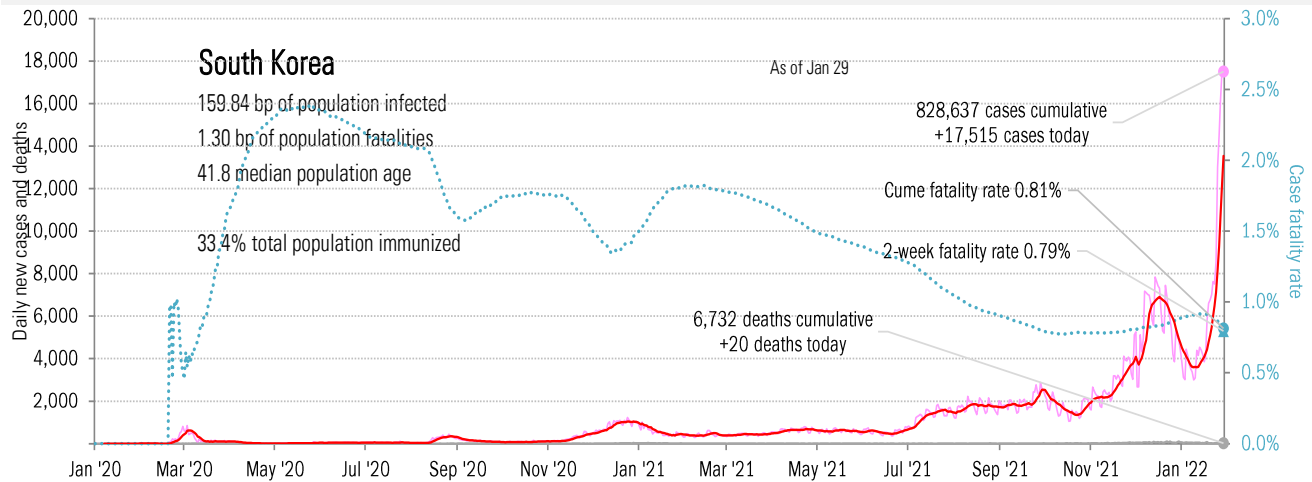
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

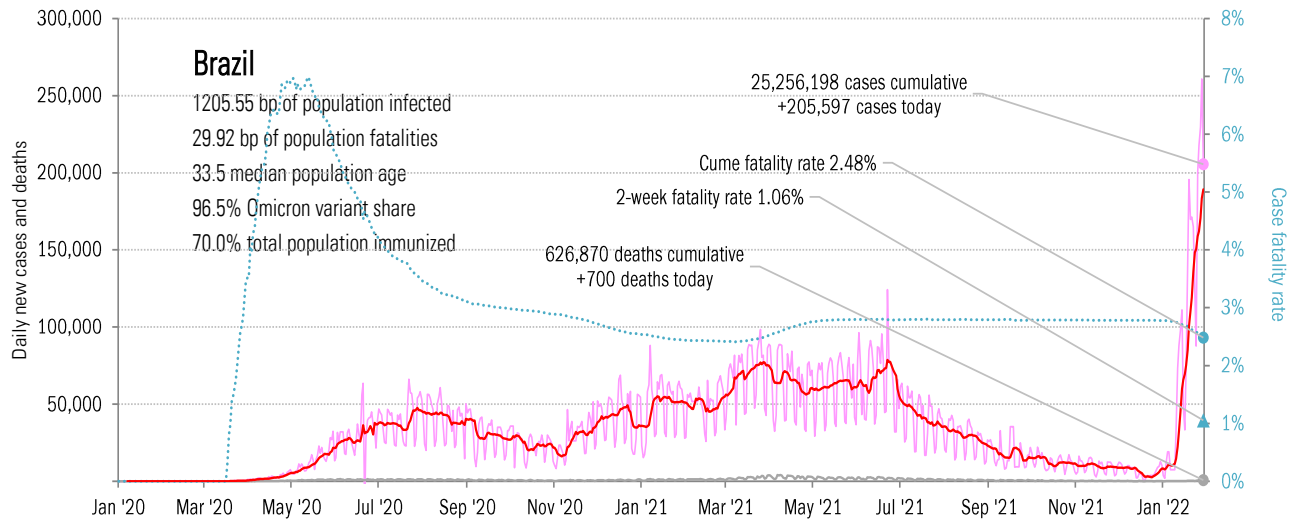
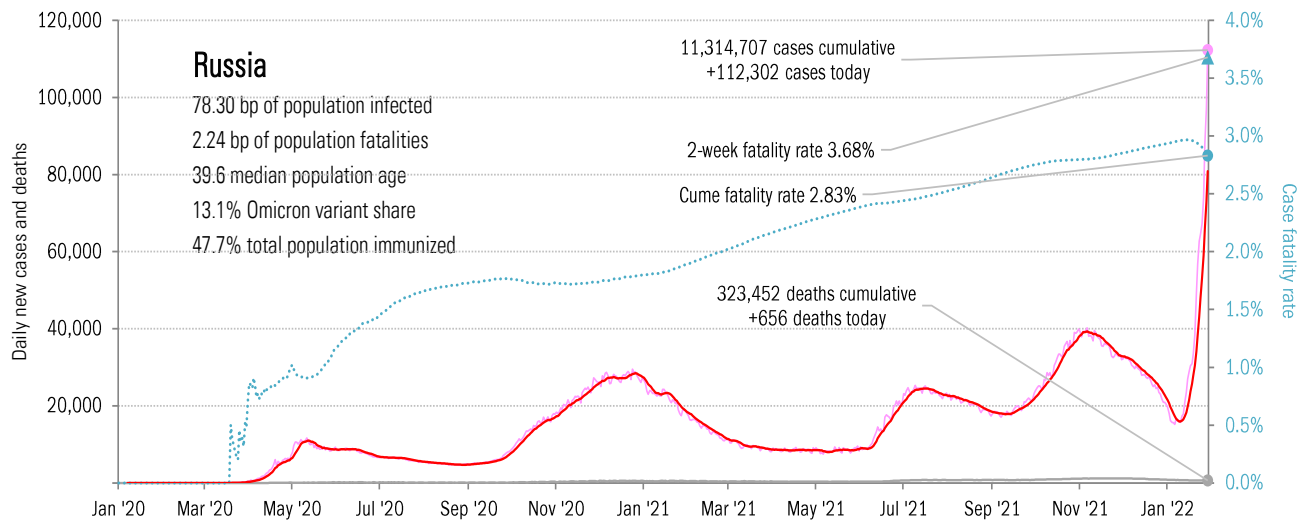
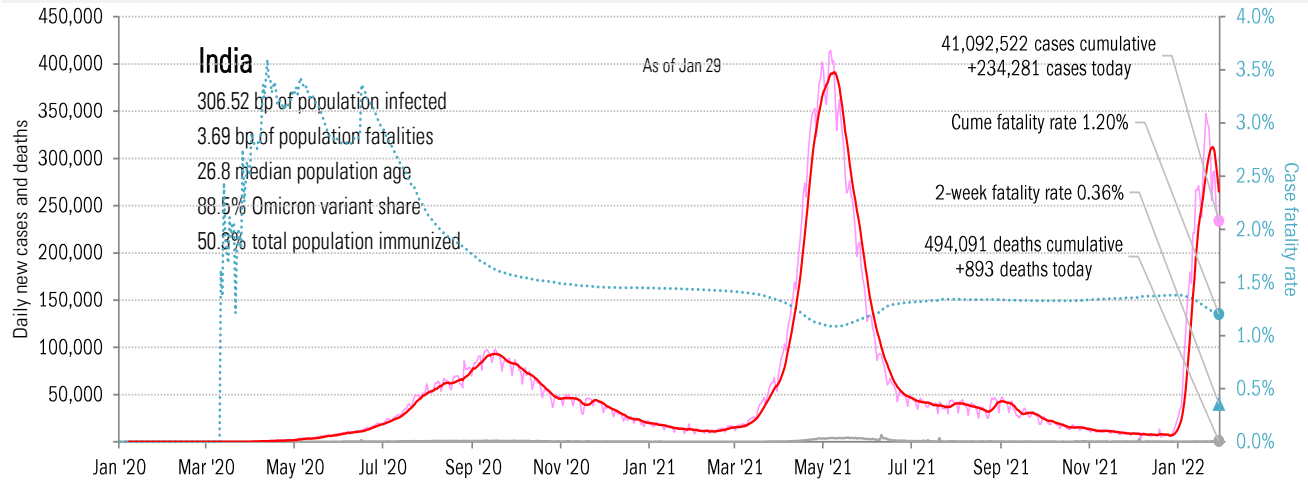
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

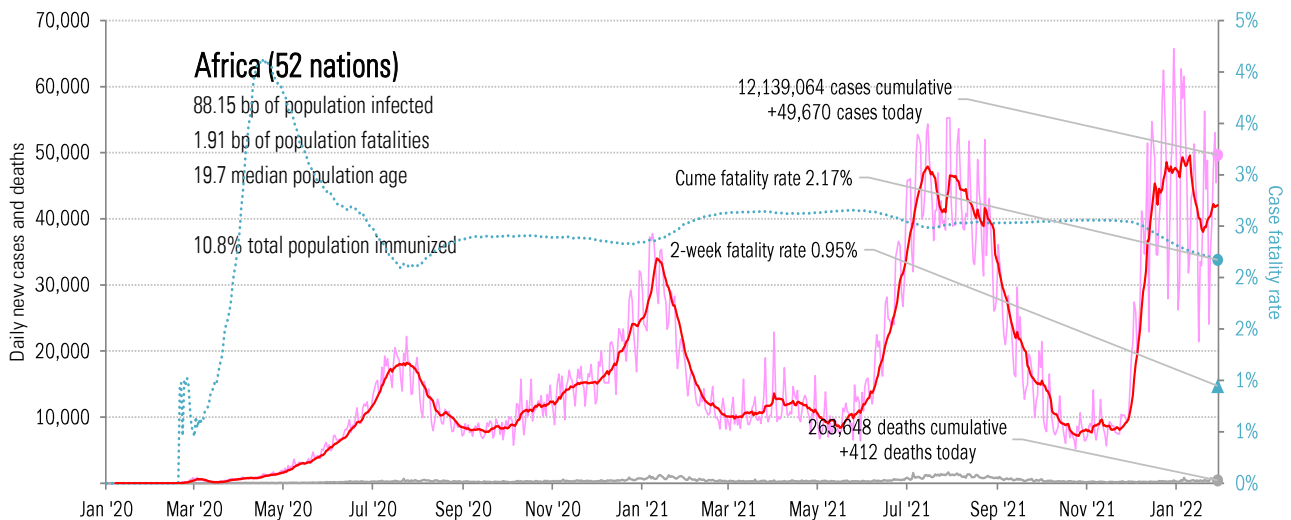
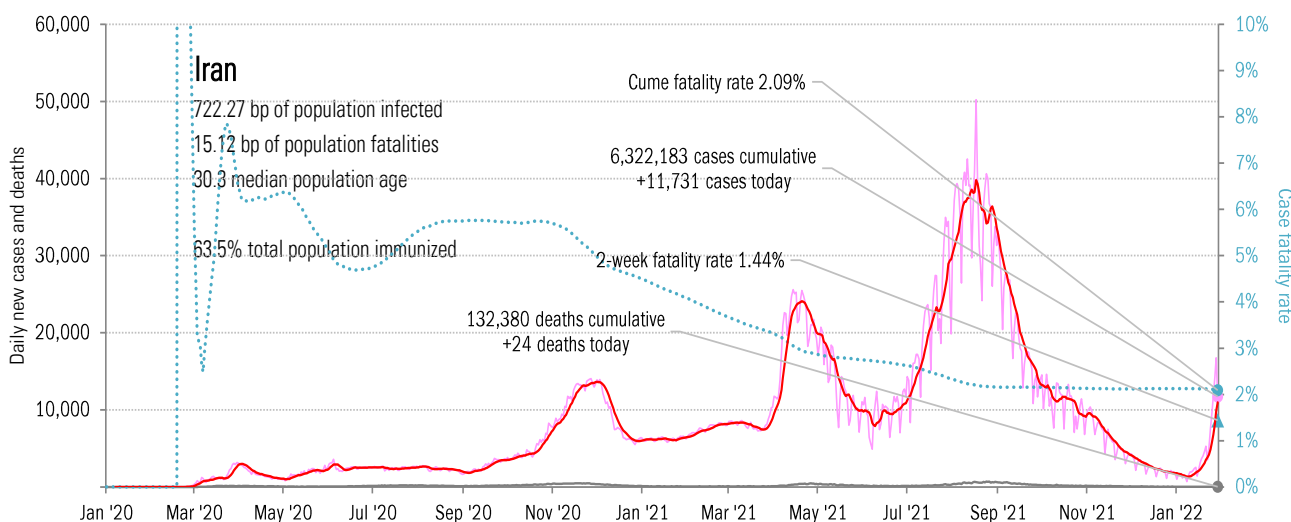
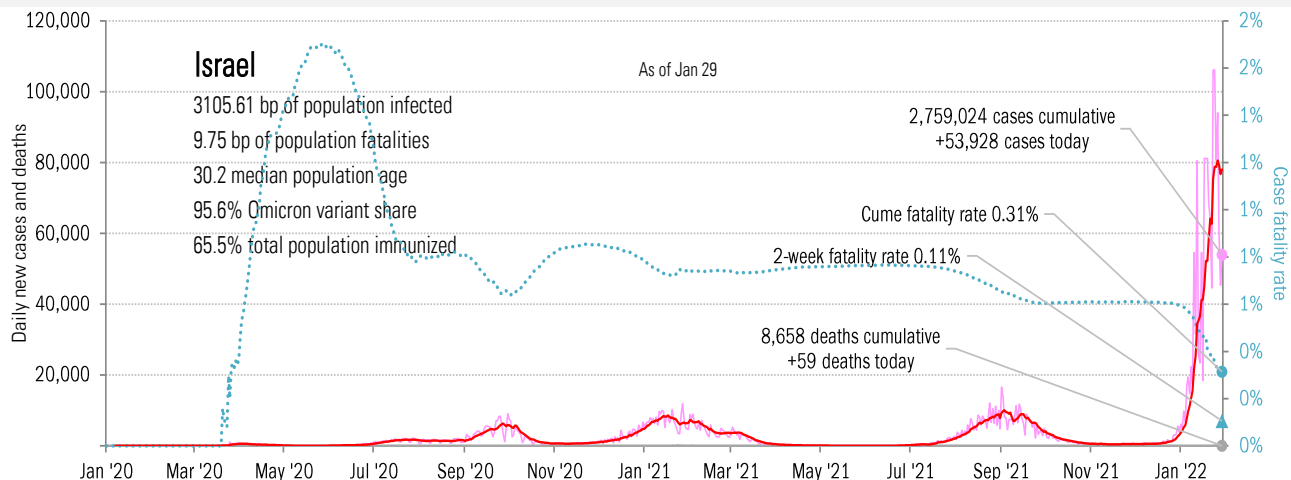
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

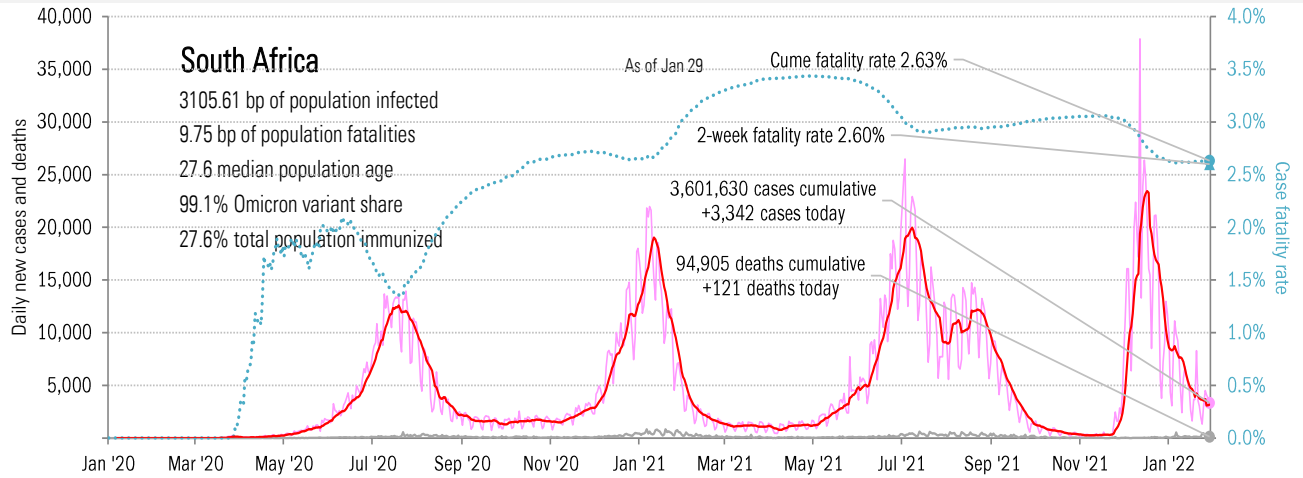
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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