

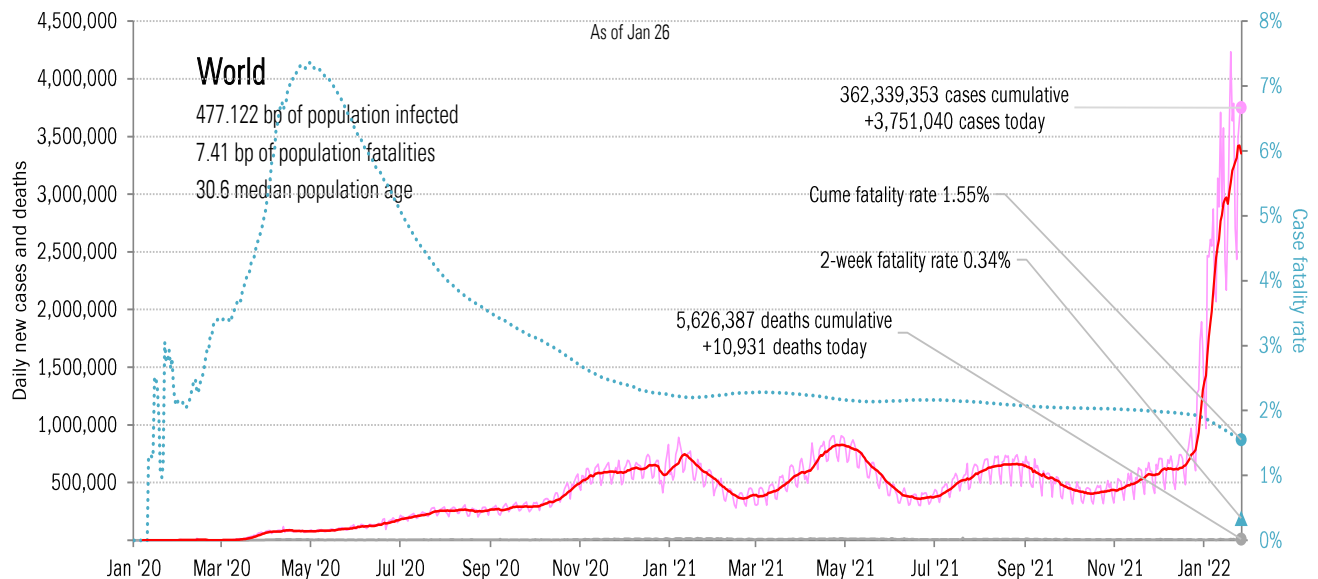
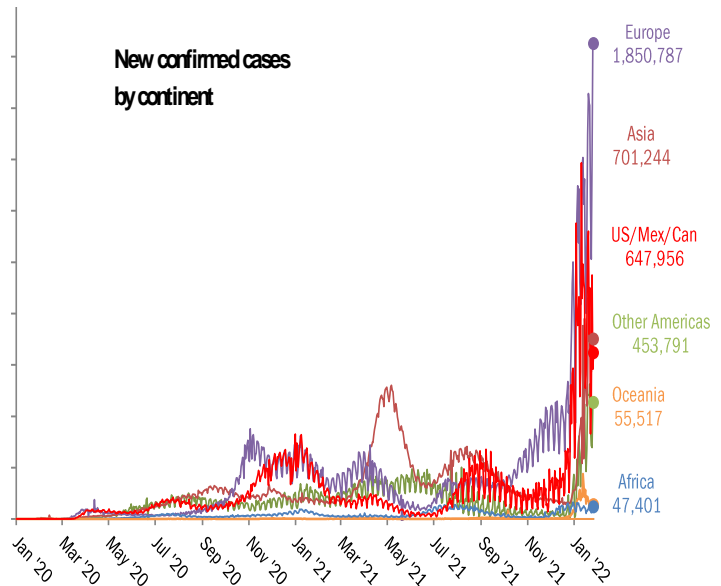
Data Insights: Covid-2019 Monitor

Thursday, January 27, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	647,464	United States	4,170
France	427,722	Russia	640
India	286,384	Brazil	588
Germany	228,608	India	573
Brazil	217,771	Italy	427
Italy	170,940	United Kingdom	346
Spain	133,553	Argentina	316
United Kingdom	102,427	Colombia	282
Israel	93,983	Poland	276
Argentina	88,503	France	256
2,397,355		7,874	
World	3,751,040	World	10,931
Top ten	64%	Top ten	72%



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

For more information contact us:

Donald Luskin: 214 550 2121 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

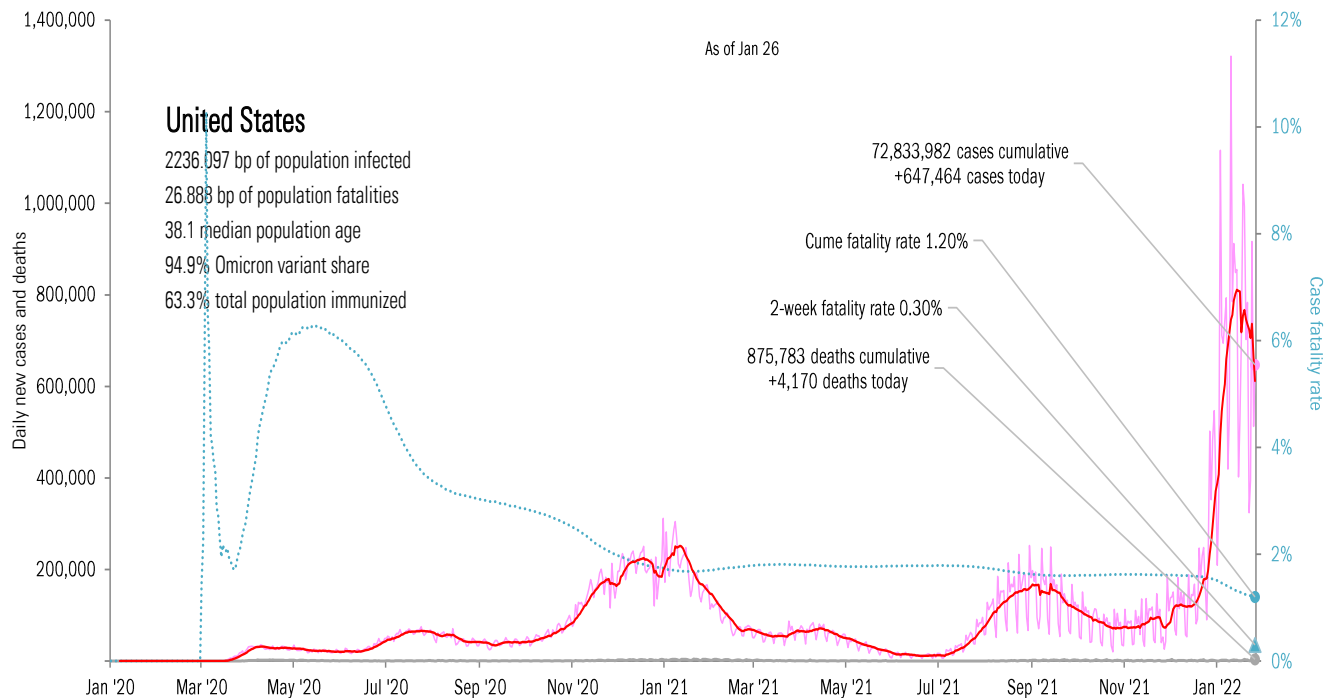
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
TN	118,639		MI	446		OK	107		CA	8,057,587		CA	79,139		TX	449,150		MD	89%	AL	95%
CA	66,515		TX	292		GA	66		TX	6,083,164		TX	78,624		FL	383,207		GA	87%	KY	92%
SC	62,740		AZ	275		AL	61		FL	5,344,601		NY	64,094		CA	382,894		RI	87%	TX	91%
WA	54,607		NY	270		SC	38		NY	4,747,535		FL	64,086		NY	228,472		PA	86%	OK	91%
MI	35,279		CA	252		MO	20		IL	2,867,299		PA	39,932		GA	190,085		WA	86%	RI	91%
TX	32,336		IA	184		IA	18		PA	2,605,439		IL	32,852		CH	177,506		MA	86%	NV	91%
FL	32,005		PA	183		WY	15		CH	2,540,864		GA	32,603		PA	163,414		NY	86%	GA	90%
CH	20,752		IL	143		ID	14		NC	2,323,482		CH	32,489		IL	146,047		MN	85%	AR	89%
NC	20,286		NJ	143		OR	12		GA	2,306,025		MI	31,985		MI	130,734		WV	84%	MS	88%
NY	19,113		FL	130		WV	12		MI	2,203,646		NJ	31,093		KY	129,538		FL	84%	MO	88%
462,272			2,318			363			39,079,642			486,897			2,381,047						
All states 647,464			4,170			-2,458			All states 72,833,982			875,783			4,299,813			All states 70%		67%	
Top ten 71%			56%			-15%			Top ten 54%			56%			55%			Median 79%		83%	

Some states not reporting

Five most improved US states

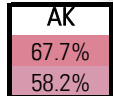
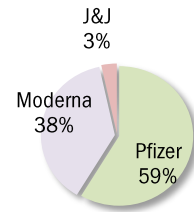
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AL	-171,616	AL	-176	TX	-422	UT	+30 bp
MN	-19,926	MA	-72	NY	-220	CA	+10 bp
TX	-13,990	CO	-66	AR	-202	CT	+10 bp
IA	-5,606	FL	-63	NC	-195	DE	+10 bp
IN	-4,776	WI	-59	KY	-192	GA	+10 bp



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	550,734,301		+0.837 million	US	63.3%	75.8%
Boosters	86,384,499		+0.424 million	UK	70.7%	76.6%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	258,999,818	78%	216,900,941	65%	+0.171 million	France 76.0% 79.6%
Age 12 to 17	16,979,633	67%	14,197,542	56%	+0.018 million	Spain 81.9% 87.4%
Age 18 to 64	174,863,822	86%	146,742,112	72%	+0.087 million	Germany 72.9% 74.9%
Age 65 and over	58,520,481	100%	50,049,340	91%	+0.011 million	Italy 75.8% 82.7%
						Australia 78.1% 83.3%
						Israel 65.4% 72.0%
						Canada 78.7% 84.8%
						Japan 79.1% 80.4%
						Africa 10.5% 15.8%
						India 49.7% 67.1%
						Brazil 69.8% 78.9%
						China 84.8% 87.6%



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



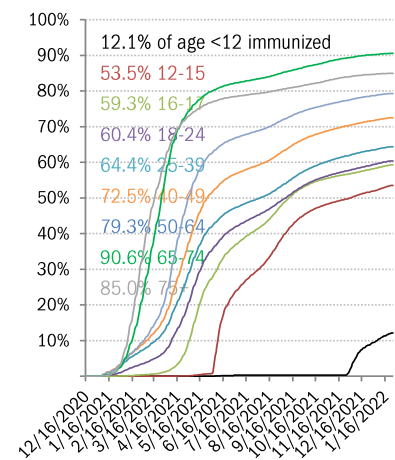
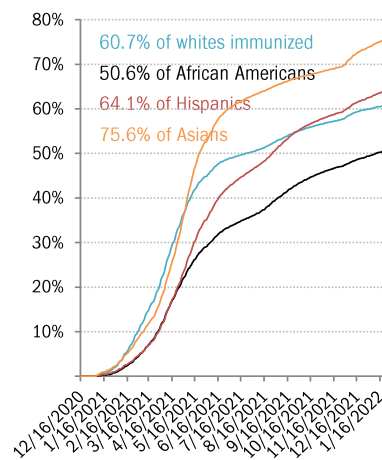
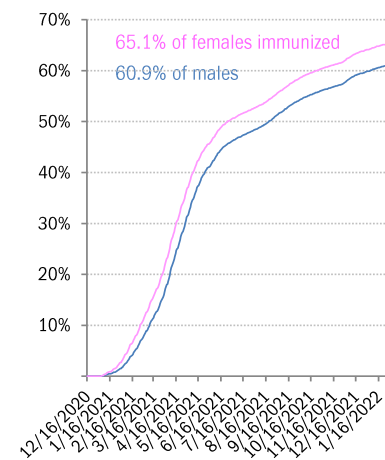
Immunity = two doses

As of Jan 31

Global data differs due to sources, timing

State	At least partial immunity as % population	Full immunity as % population
AK	67.7%	58.2%
WI	70.1%	63.3%
ME	88.3%	77.4%
WA	78.4%	69.8%
ID	59.4%	52.0%
MT	63.6%	55.1%
ND	63.8%	53.9%
MN	73.3%	66.8%
IL	75.1%	65.9%
MI	65.0%	58.0%
NY	87.2%	73.8%
VT	91.9%	79.2%
NH	95.0%	68.6%
OR	75.9%	67.7%
NV	72.7%	58.2%
WY	57.1%	49.7%
SD	73.6%	58.7%
IA	66.5%	60.2%
IN	59.7%	53.0%
OH	62.2%	56.6%
PA	81.6%	65.5%
NJ	87.0%	72.3%
MA	94.5%	76.2%
CA	86.3%	68.5%
UT	69.5%	60.6%
CO	77.2%	68.0%
NE	68.5%	61.3%
MO	64.4%	54.2%
KY	64.4%	55.5%
WV	63.4%	56.0%
VA	82.9%	70.4%
MD	83.3%	72.3%
CT	92.2%	76.3%
RI	94.2%	78.6%
AZ	69.8%	58.6%
NM	84.1%	68.1%
KS	72.2%	58.8%
AR	64.8%	52.5%
TN	60.4%	52.5%
NC	80.5%	58.2%
SC	65.5%	54.7%
DC	92.7%	69.7%
DE	80.0%	66.0%
OK	68.9%	54.9%
LA	59.3%	51.6%
MS	57.9%	49.9%
AL	61.0%	49.3%
GA	63.5%	52.7%
TX	69.4%	58.5%
HI	84.7%	75.7%
FL	77.0%	64.9%
PR	92.0%	78.9%

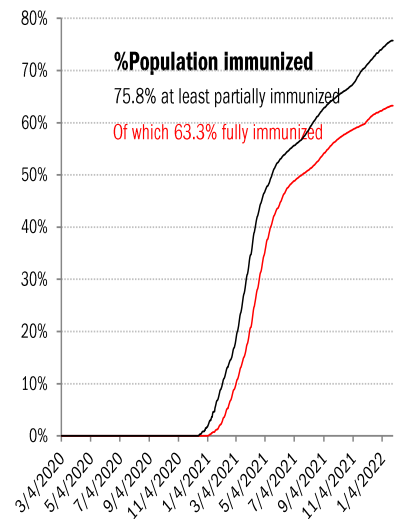
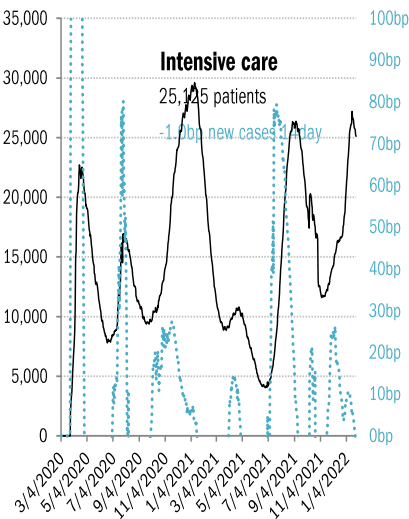
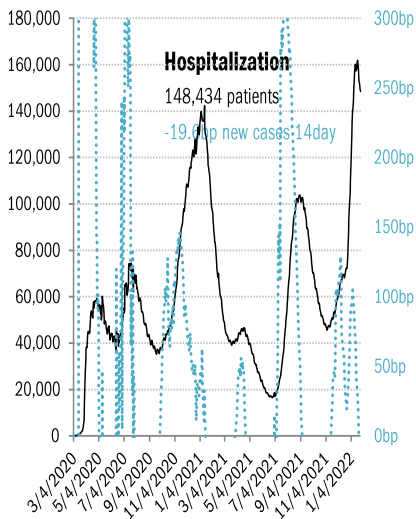
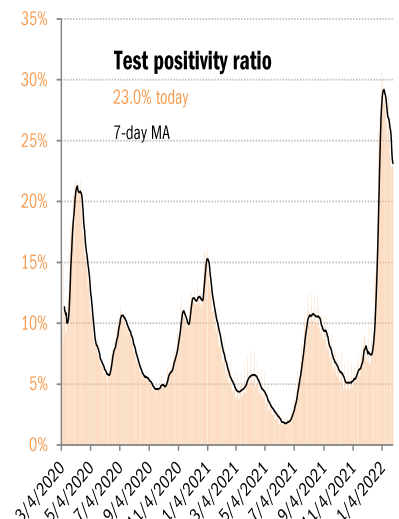
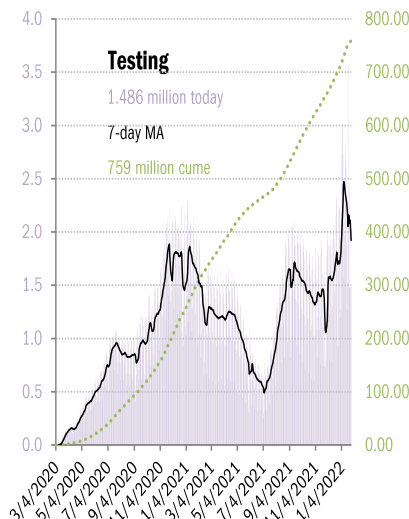
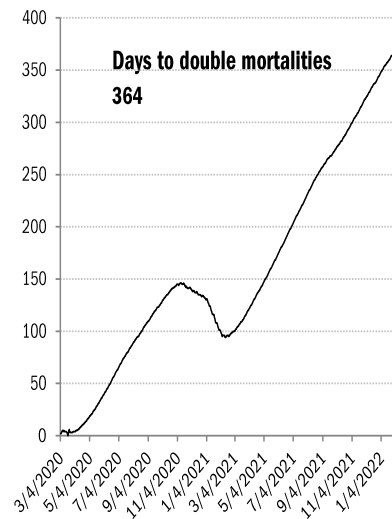
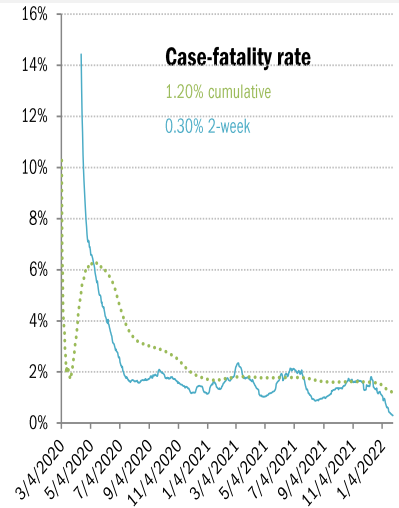
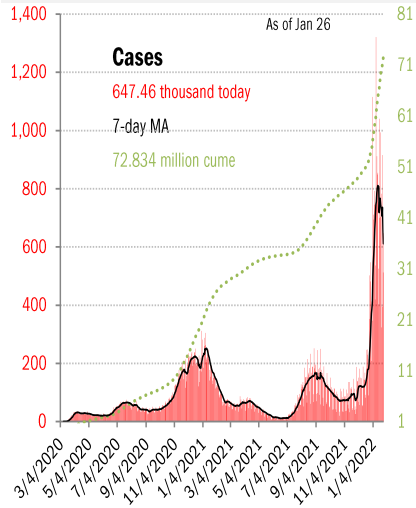
The demographics of US vaccination



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

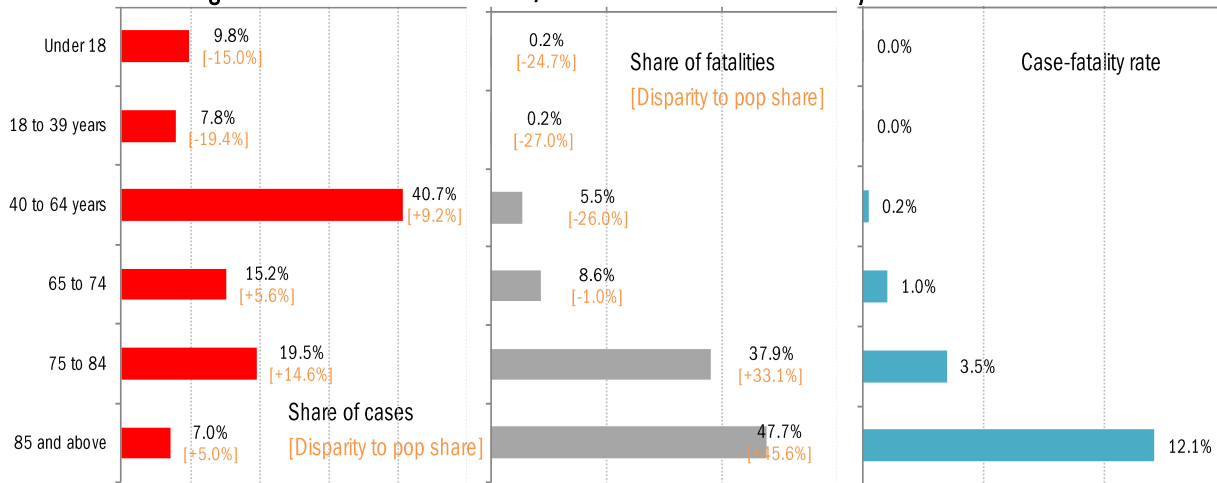
US deep-dive

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

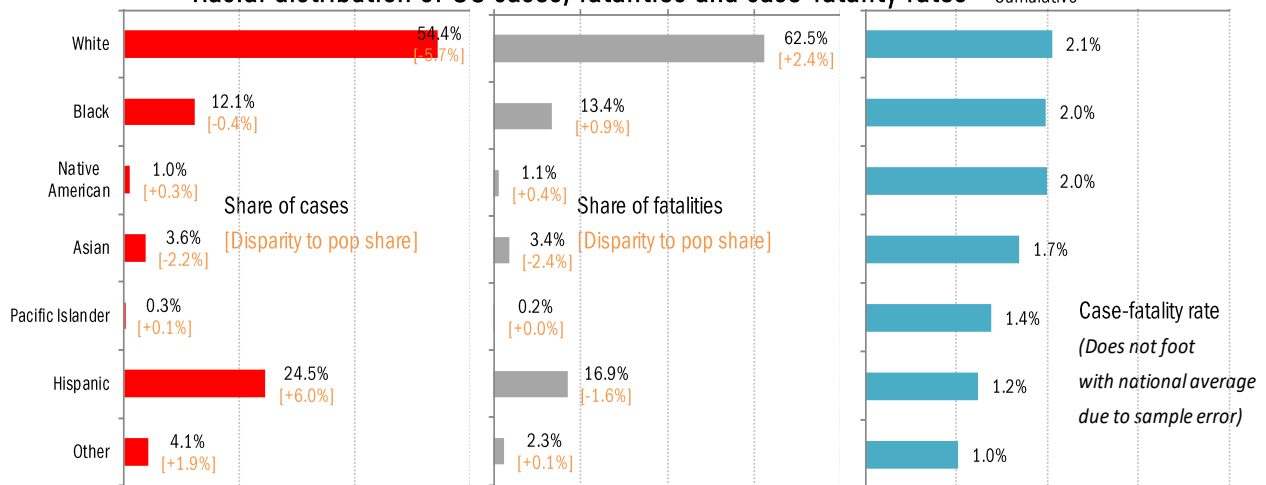


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

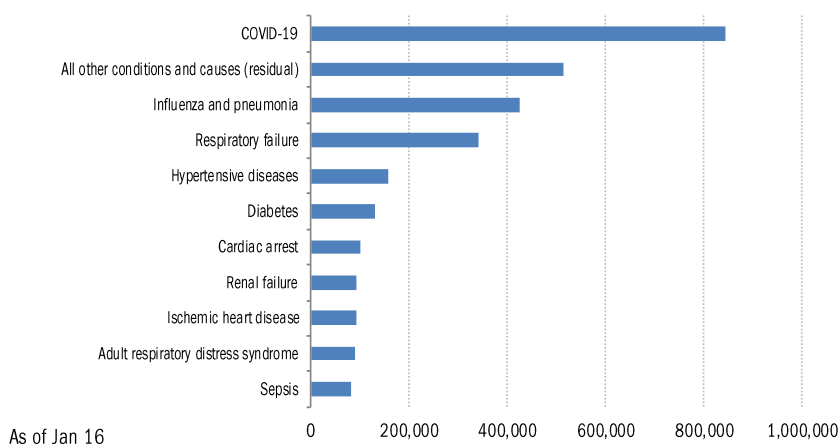


Racial distribution of US cases, fatalities and case-fatality rates



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

[The High Cost of Disparaging Natural Immunity to Covid](#)

Marty Makary
Wall Street Journal
January 26, 2022

[Witness at scene of CDC lab monkeys crash has developed symptoms](#)

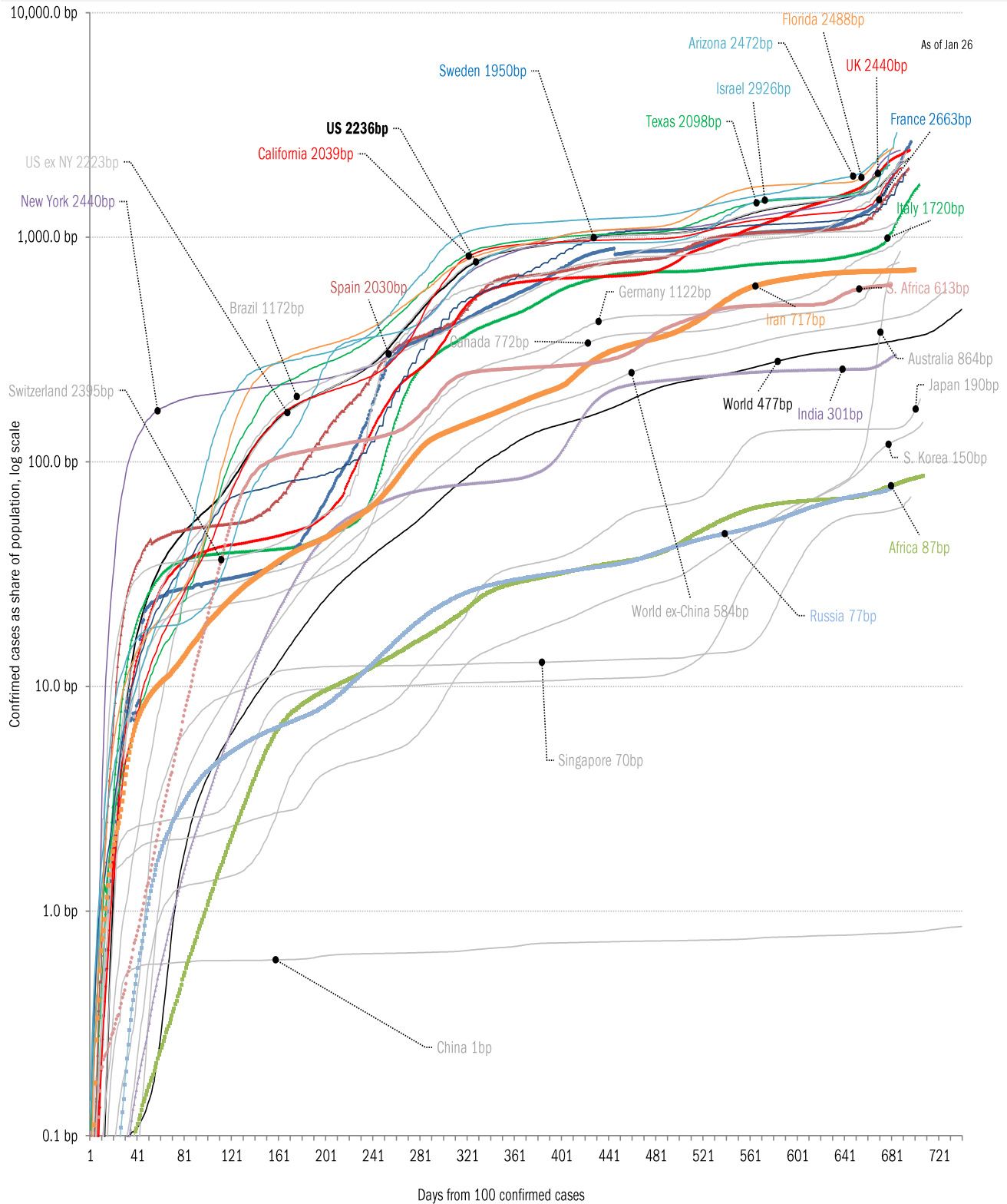
Caroline Machiraju
Harrisburg 100
January 24, 2022

Meme of the day



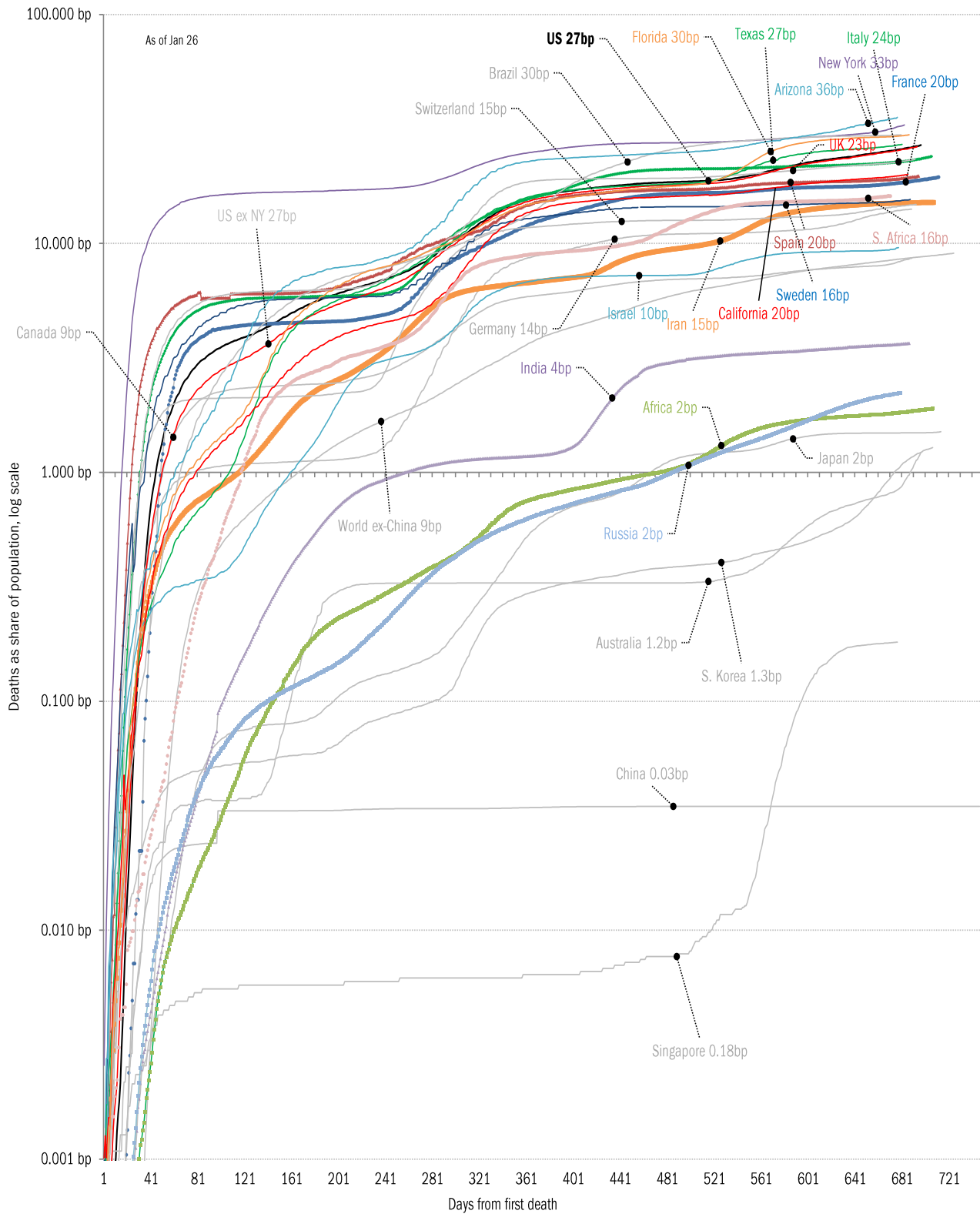
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

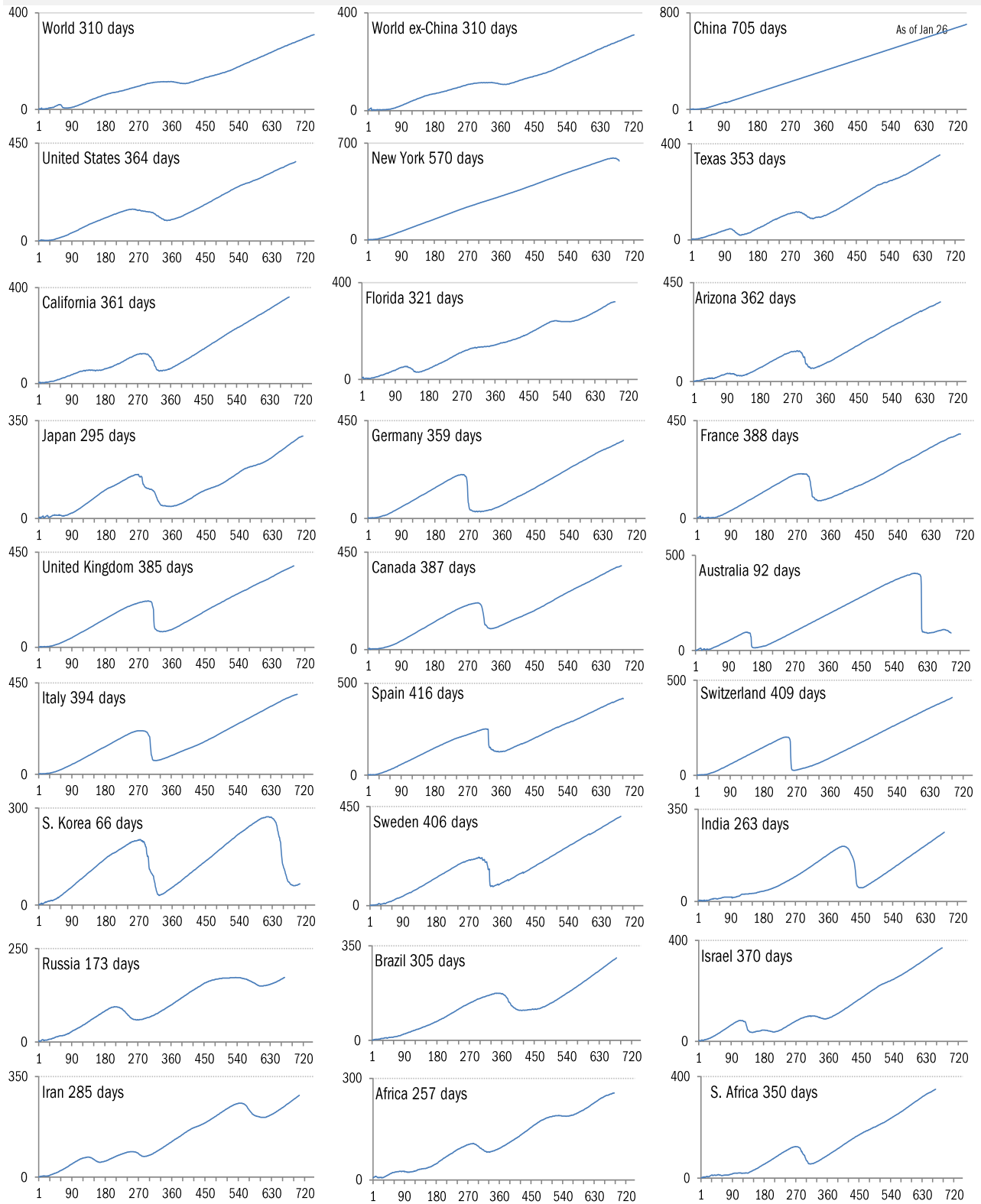


Source: [Johns Hopkins](#), TrendMacro calculations

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

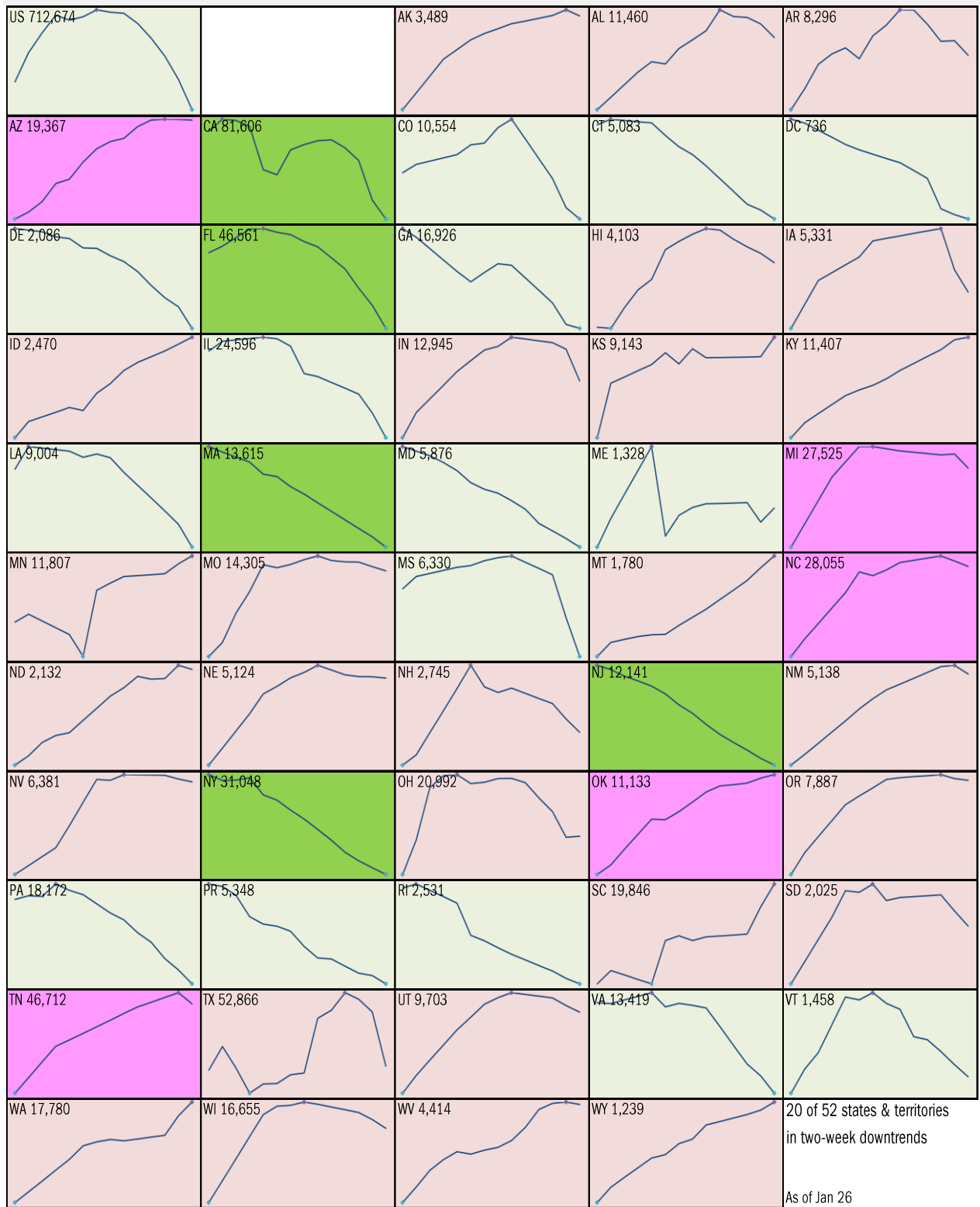
Vertical: days to double deaths Horizontal: days from first death

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

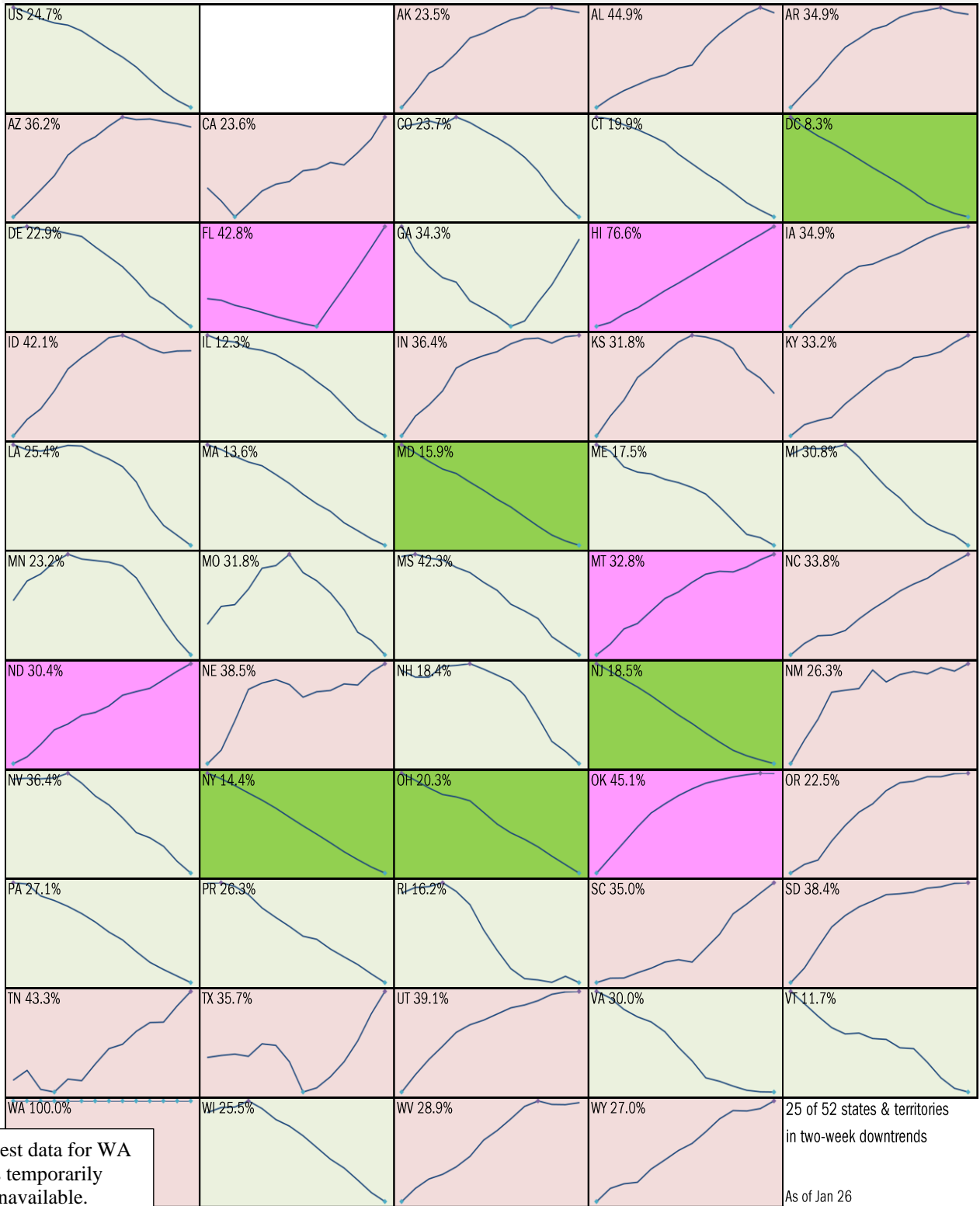


Source: [Johns Hopkins](#), TrendMacro calculations

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

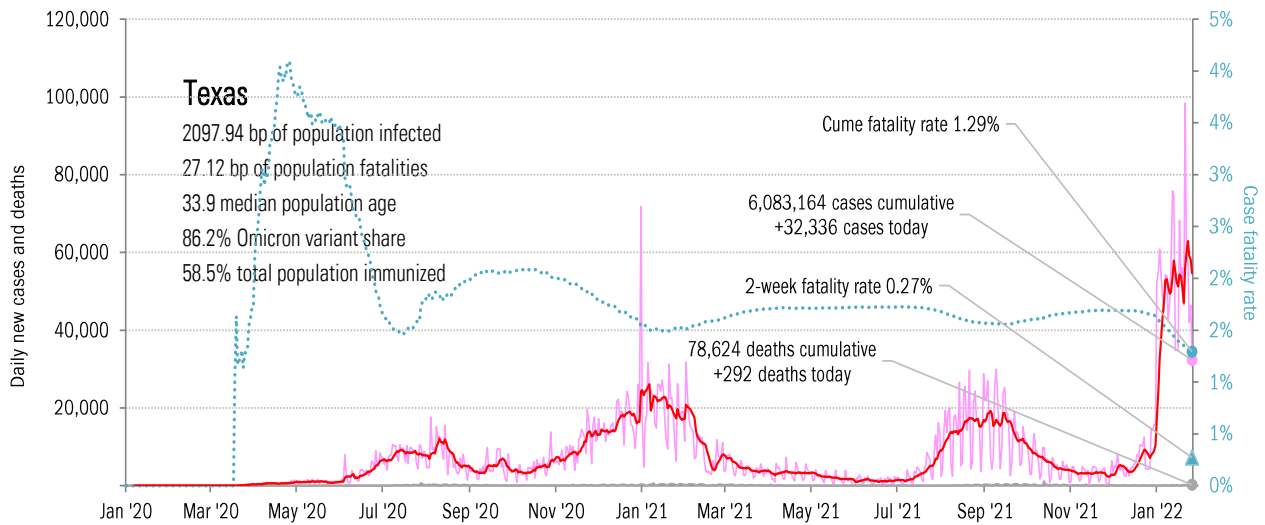
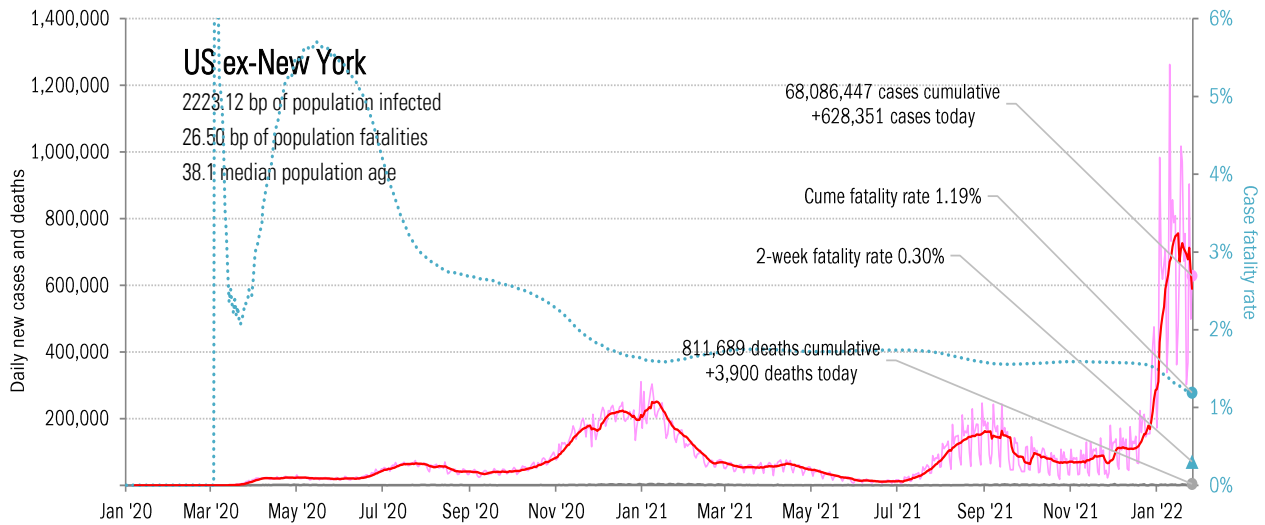
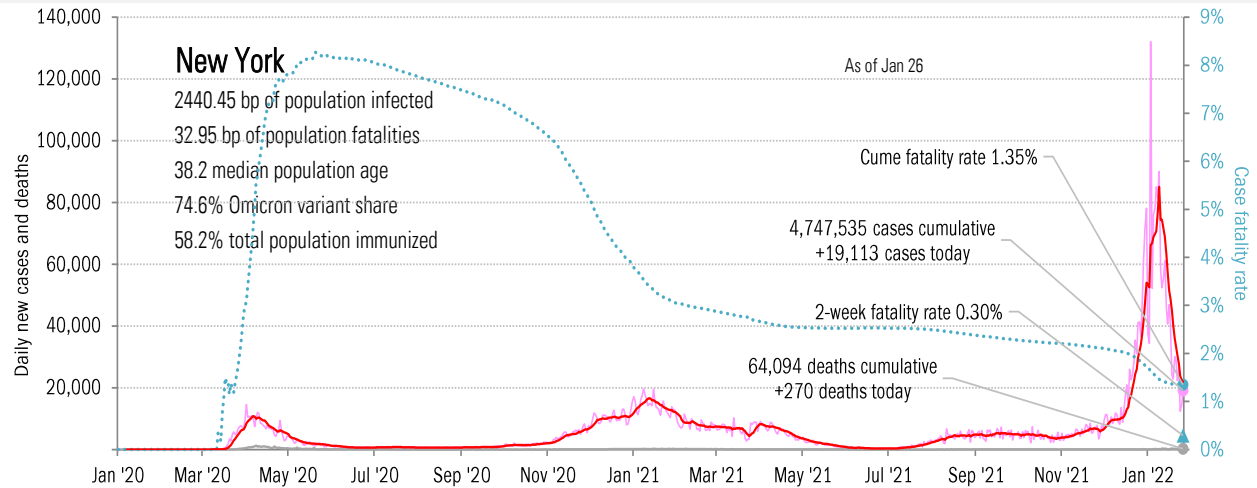


Test data for WA is temporarily unavailable.

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

From Ground Zero to the Rio Grande

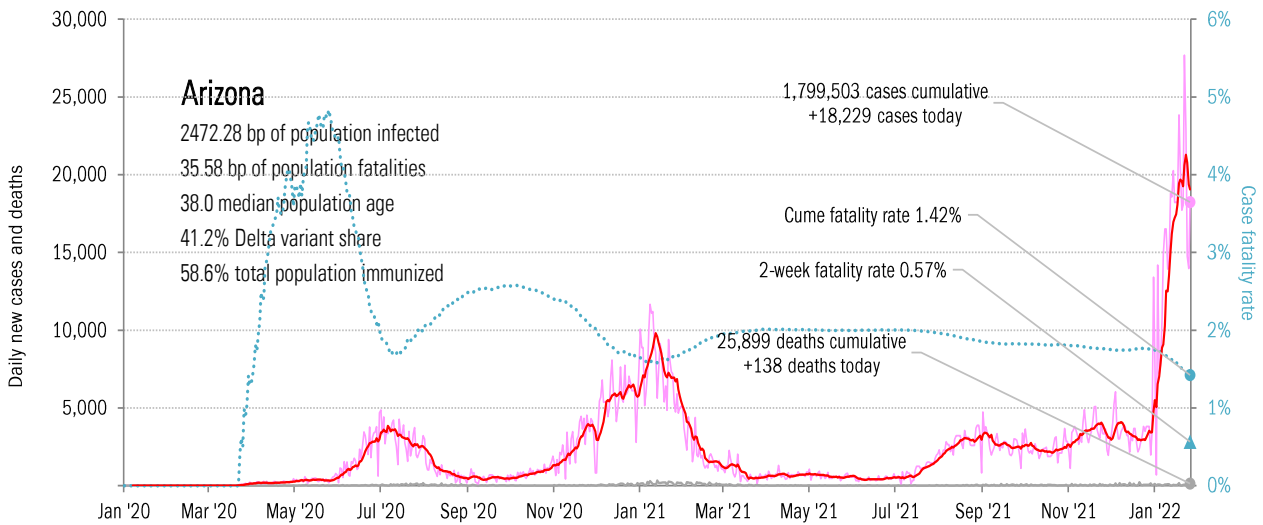
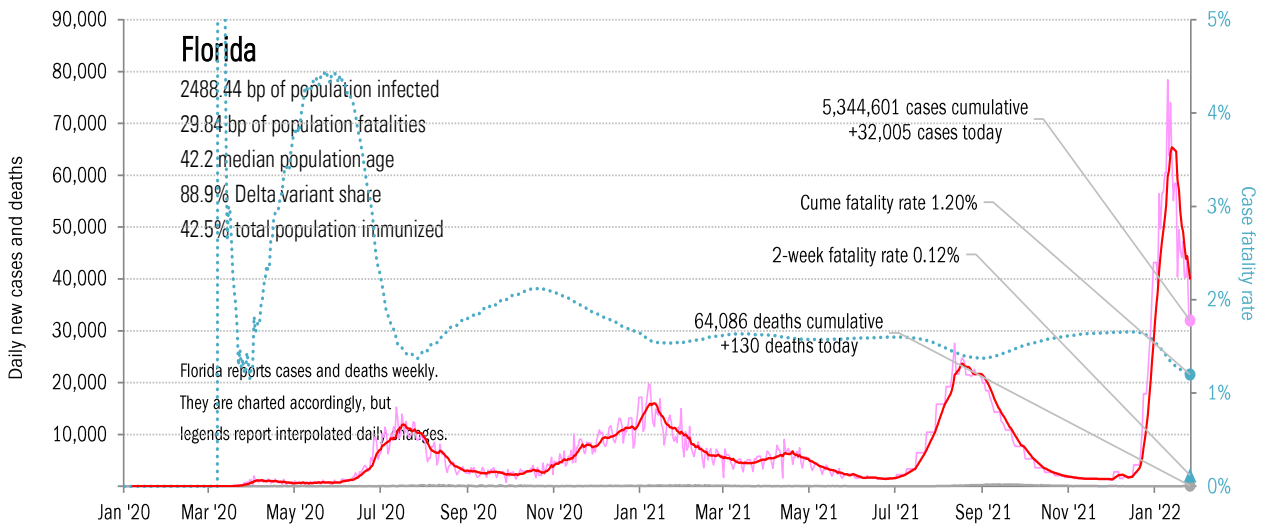
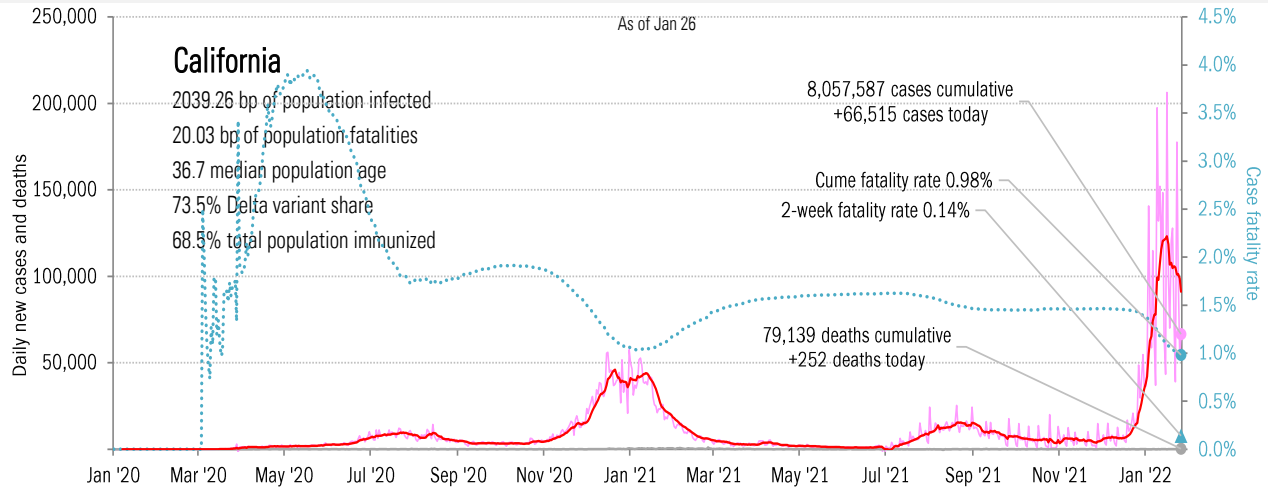
Cases: 7-day average and daily Deaths: Daily



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

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

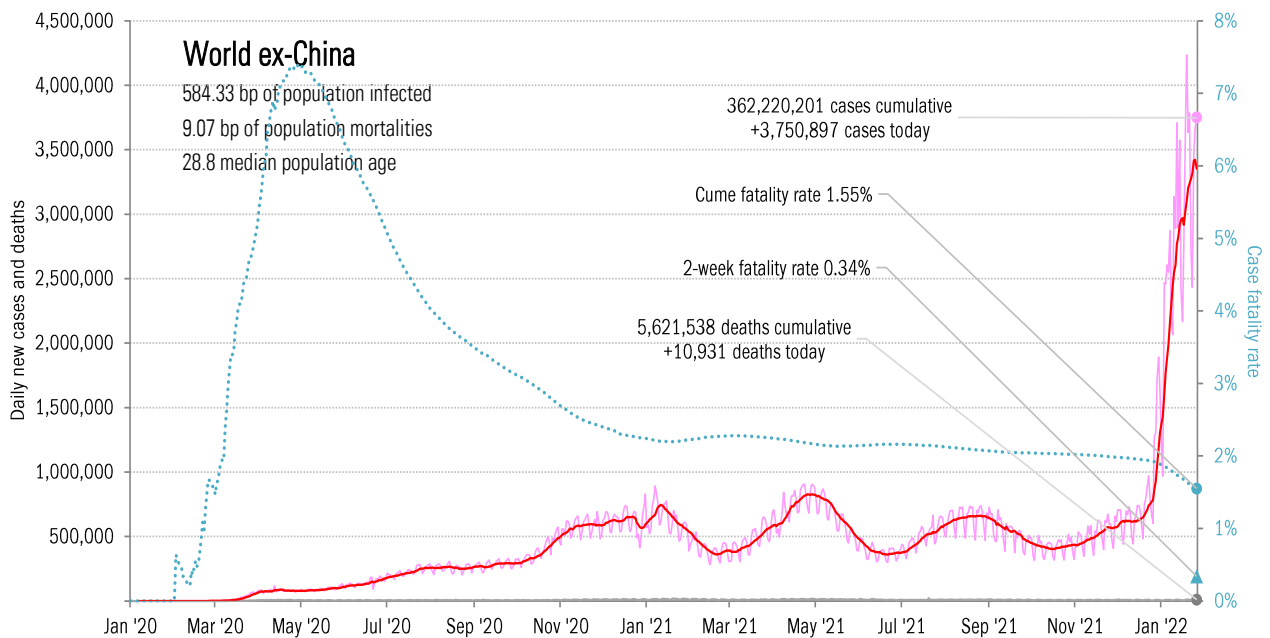
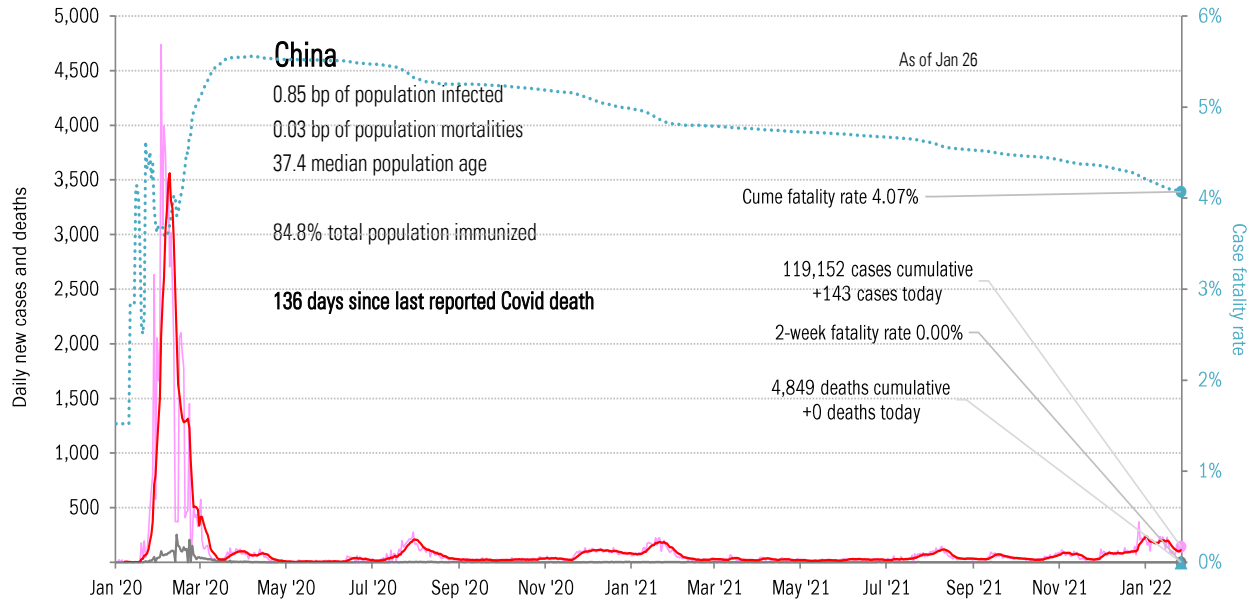
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

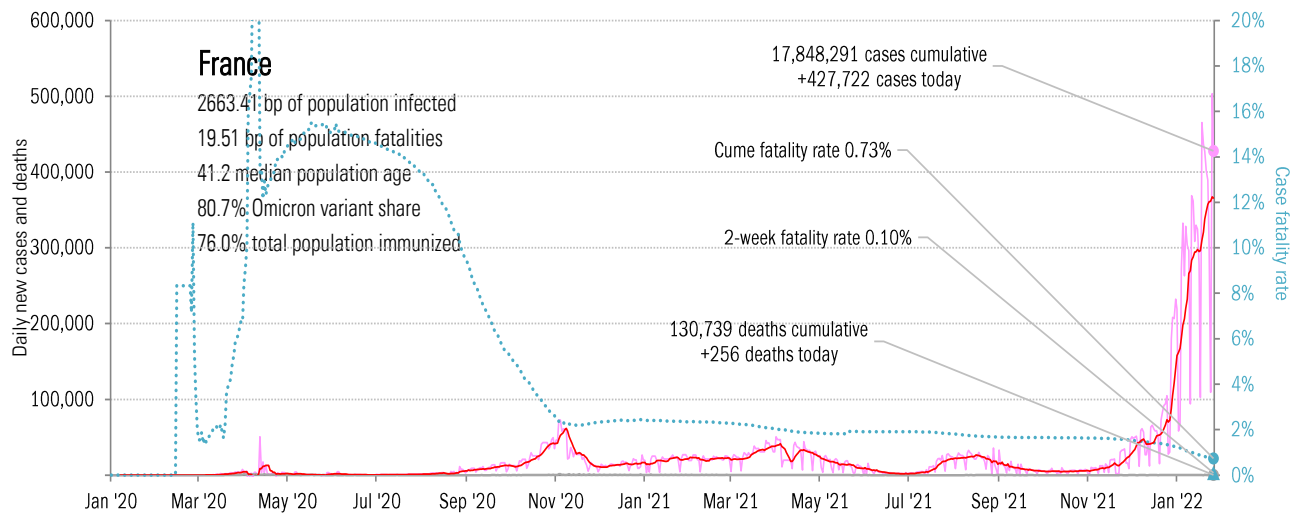
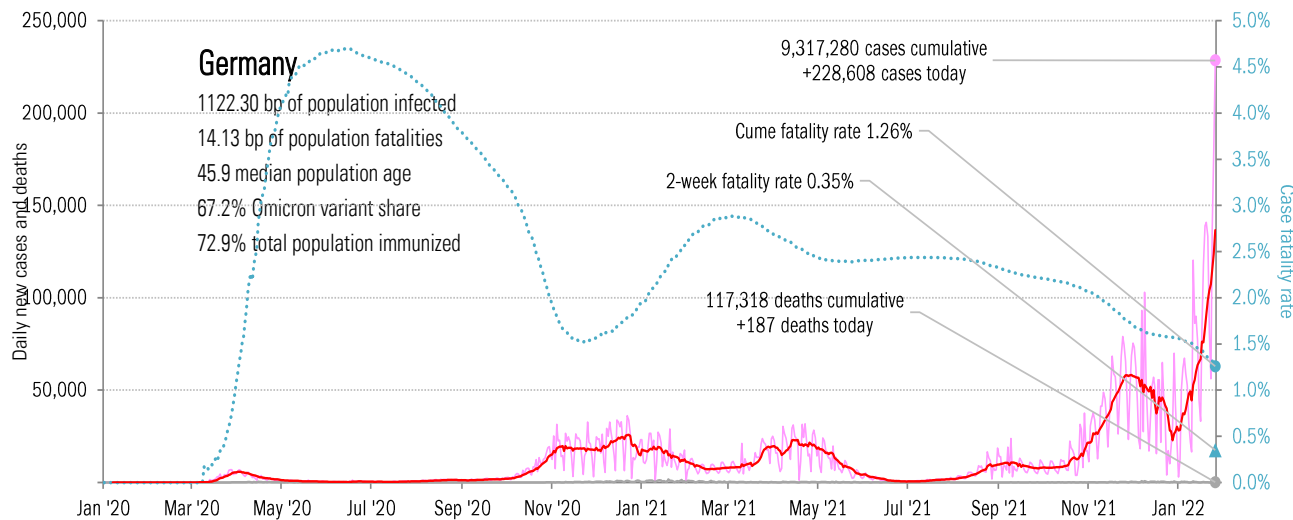
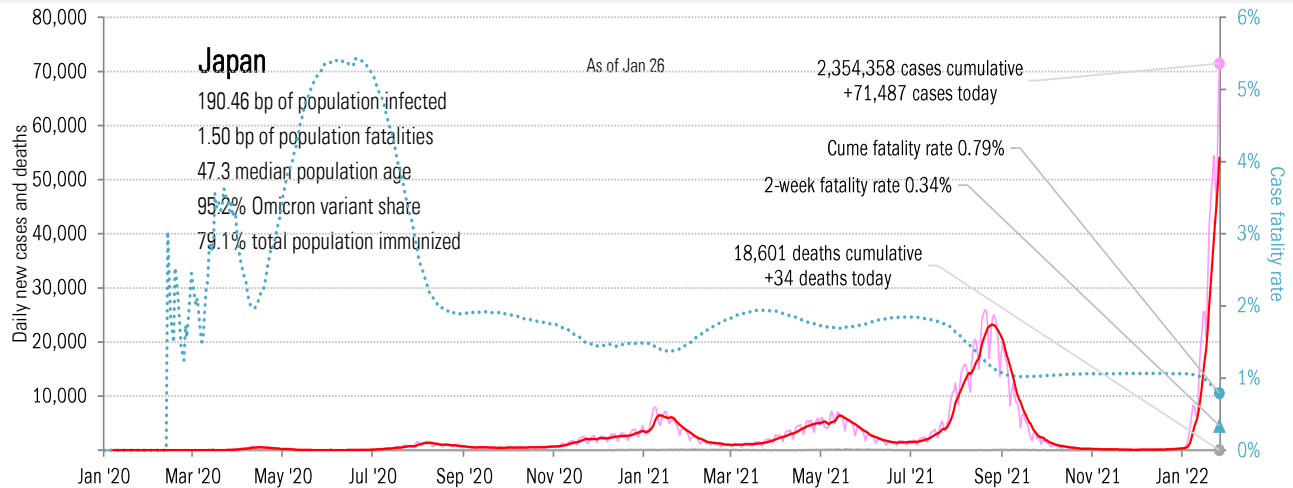
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

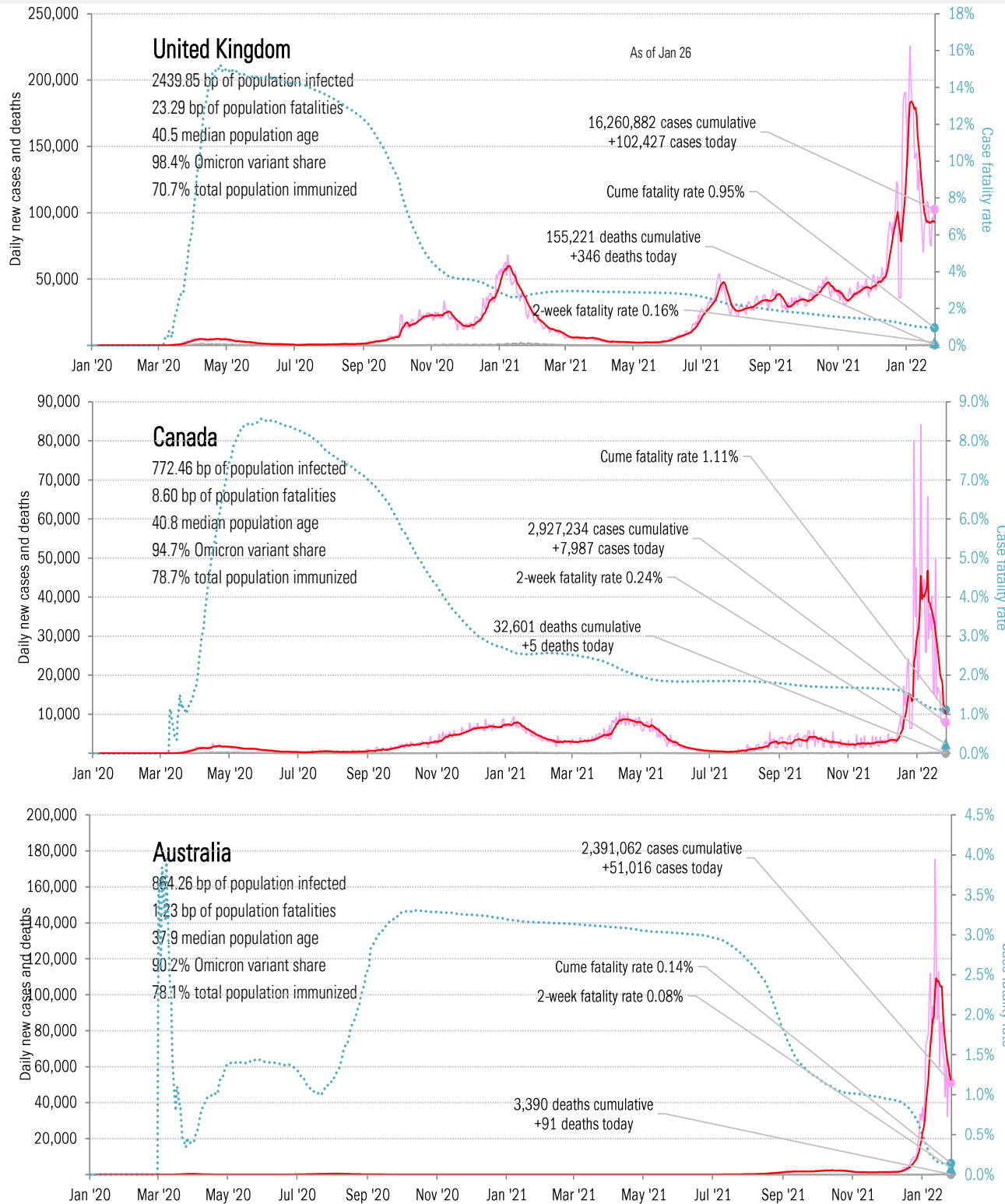
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

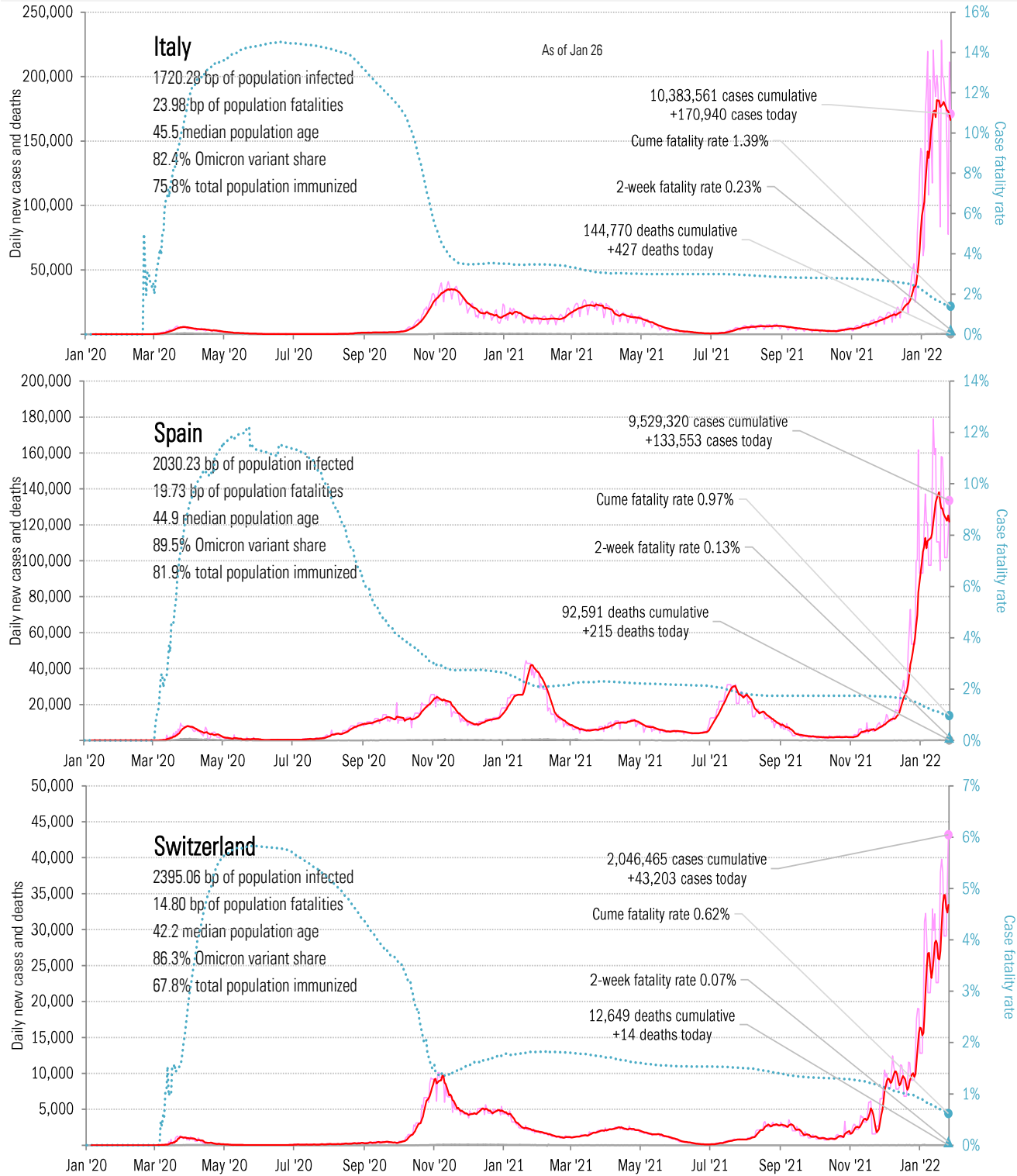
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

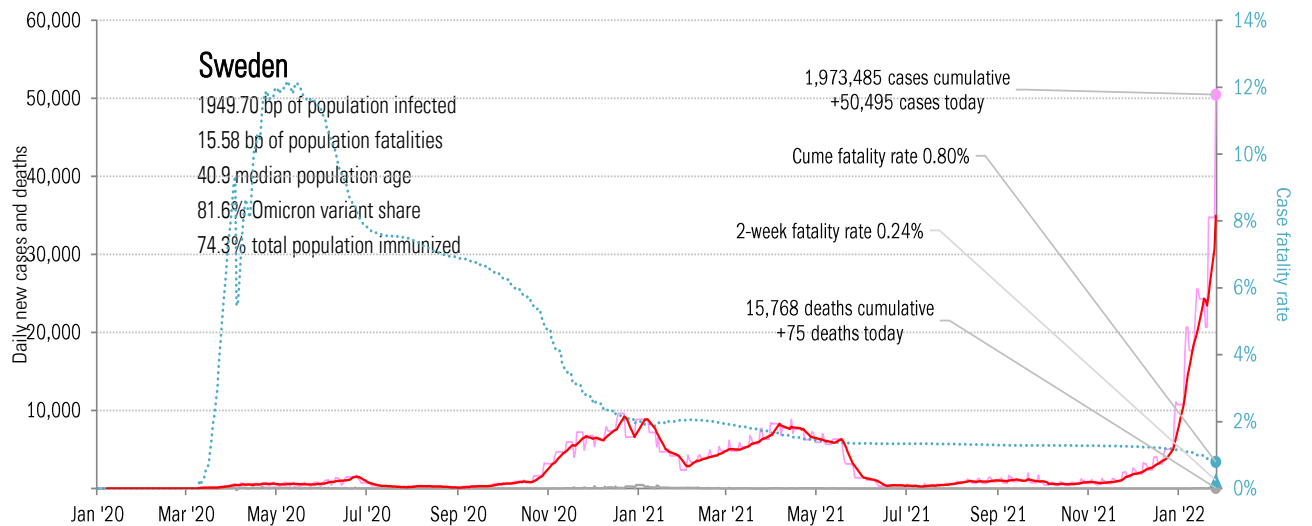
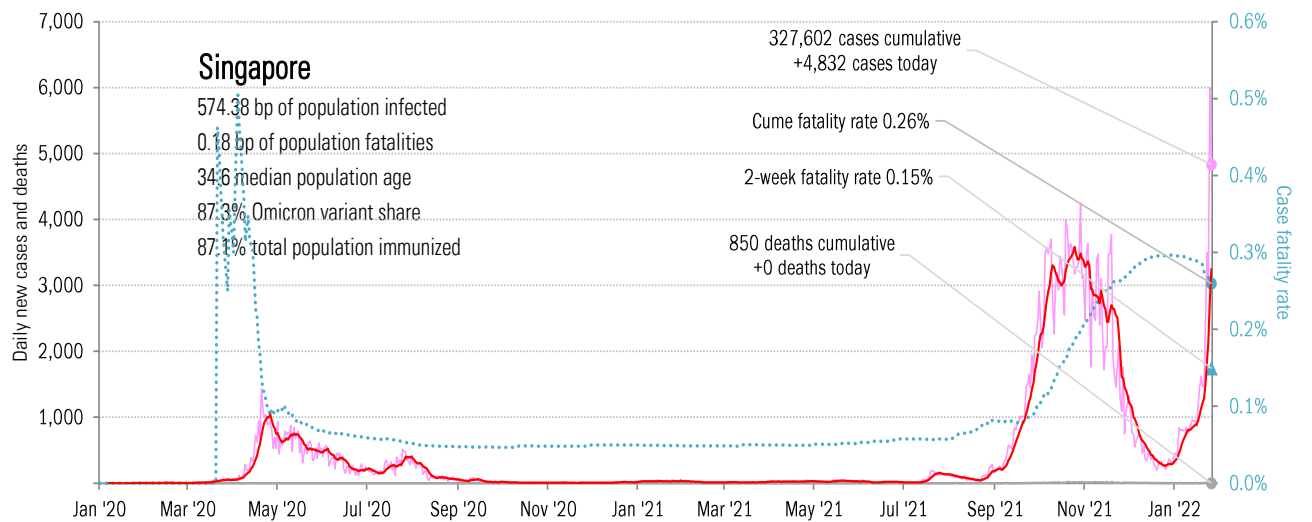
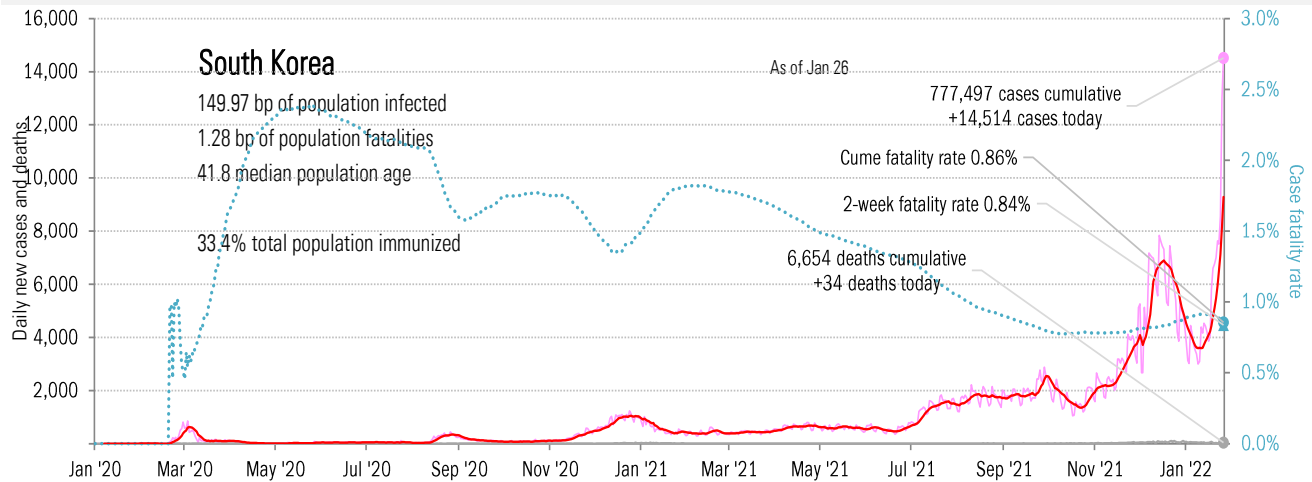
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

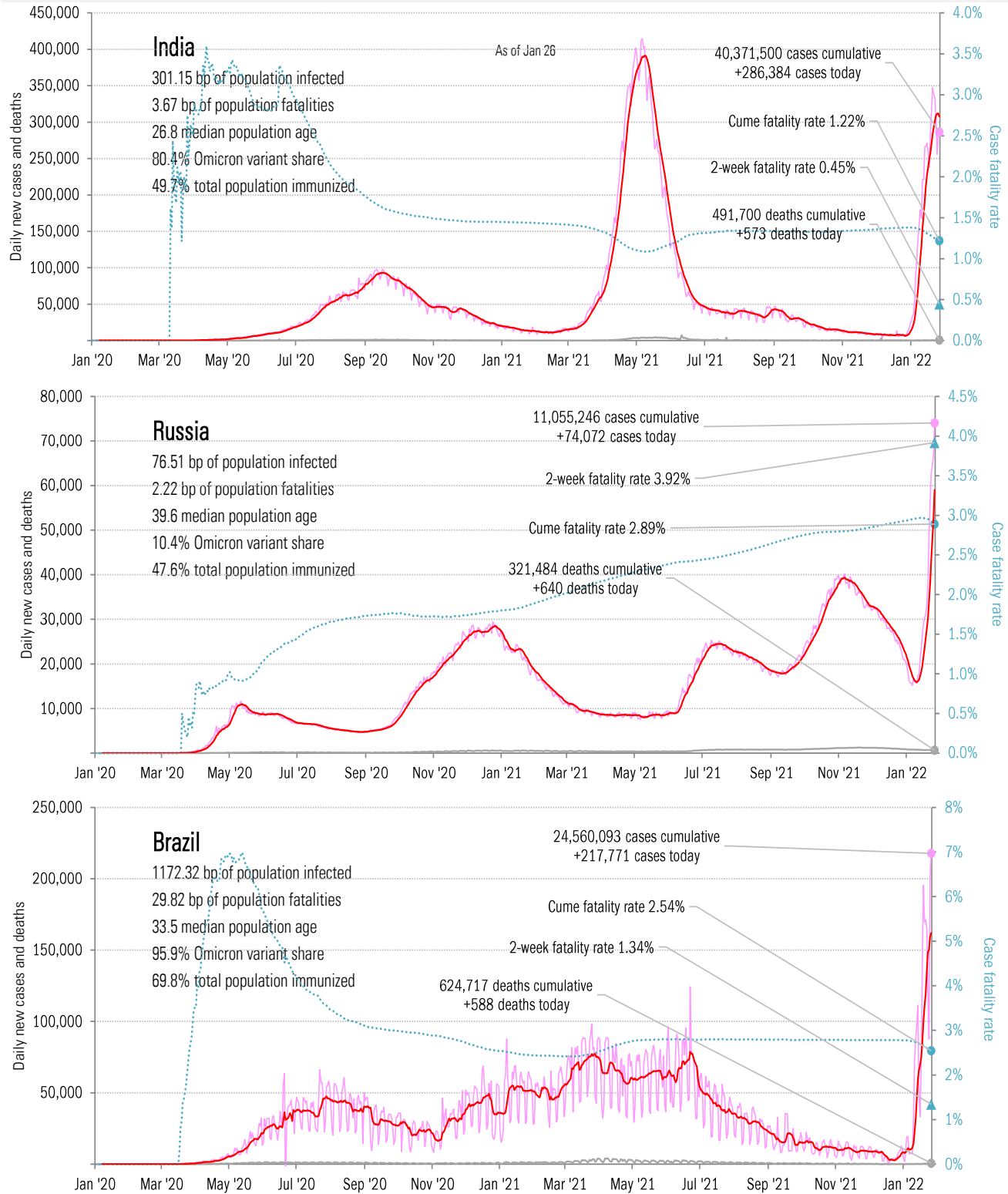
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

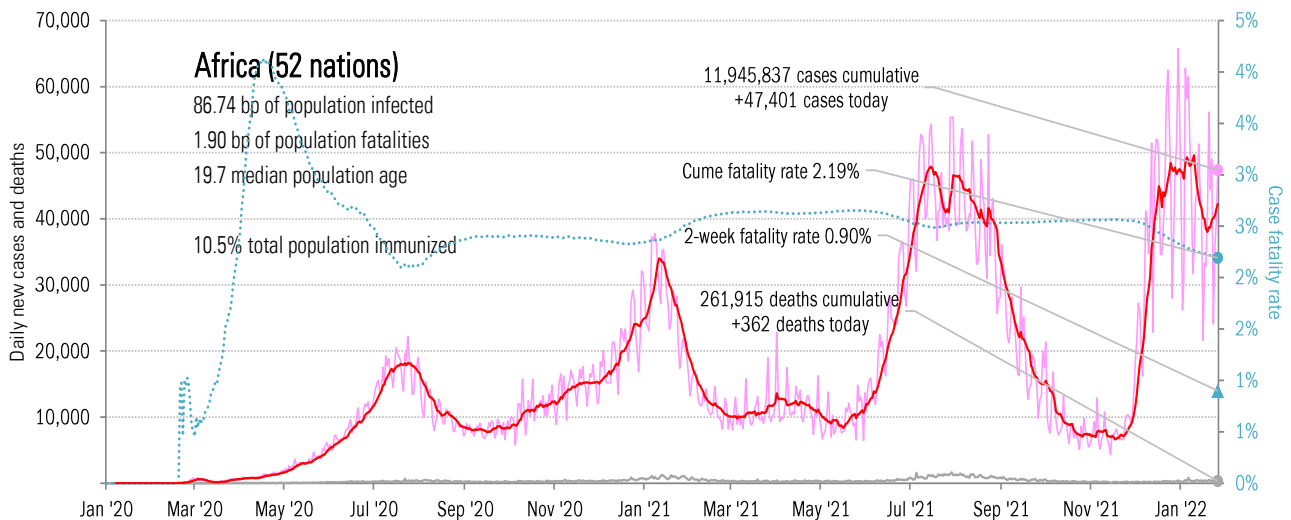
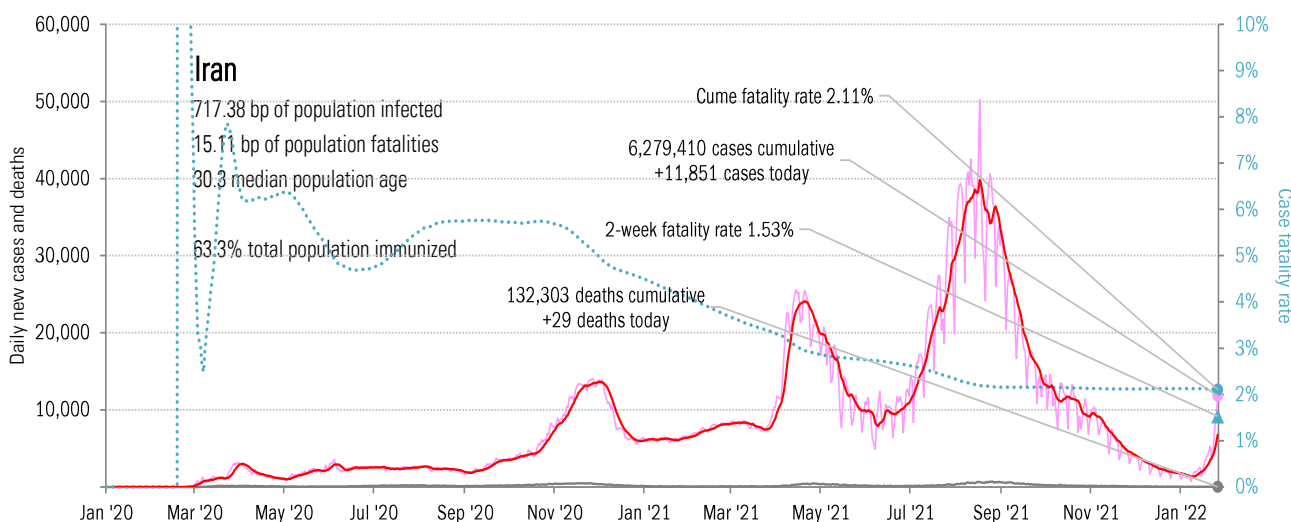
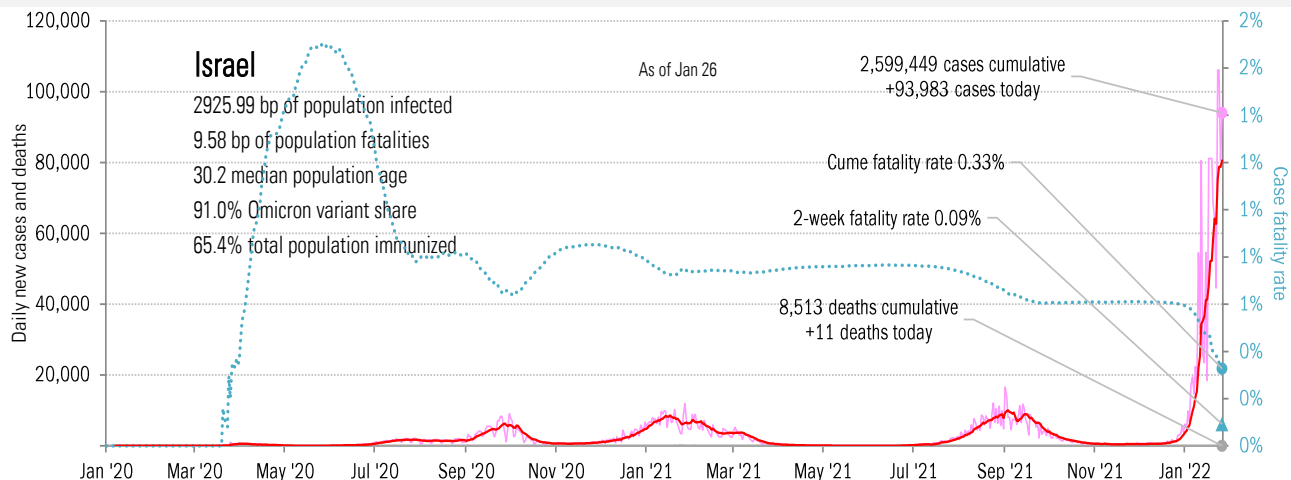
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

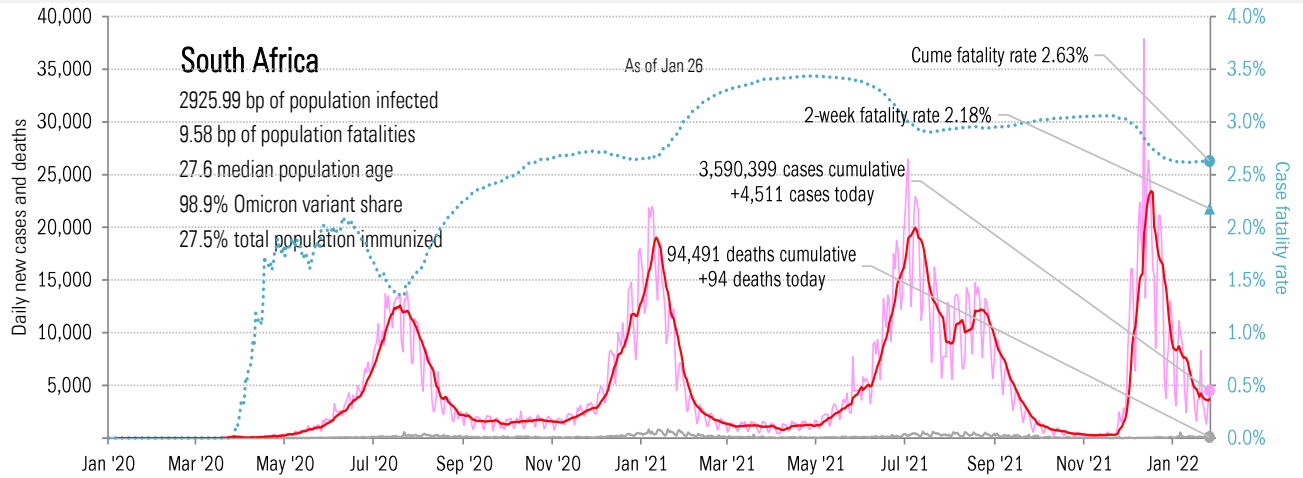
Cases: 7-day average and daily Deaths: Daily



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