Trend Macrolytics, LLC
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Data Insights: Covid-2019 Monitor

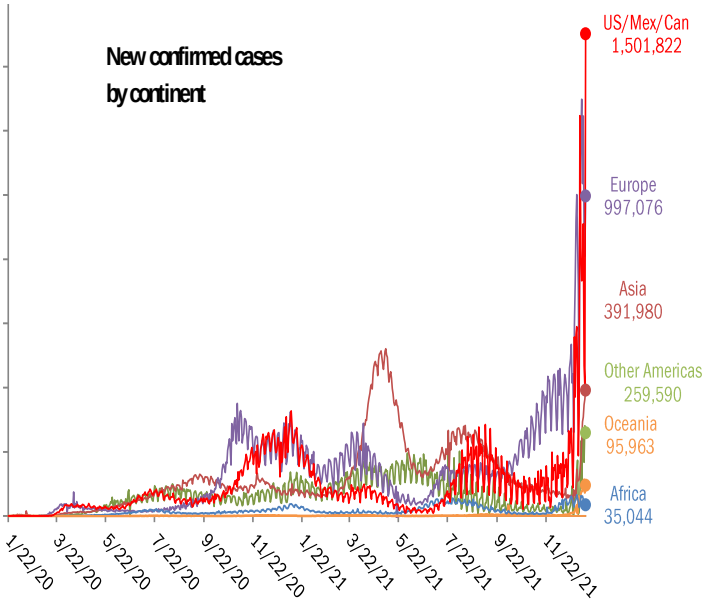
Tuesday, January 11, 2022

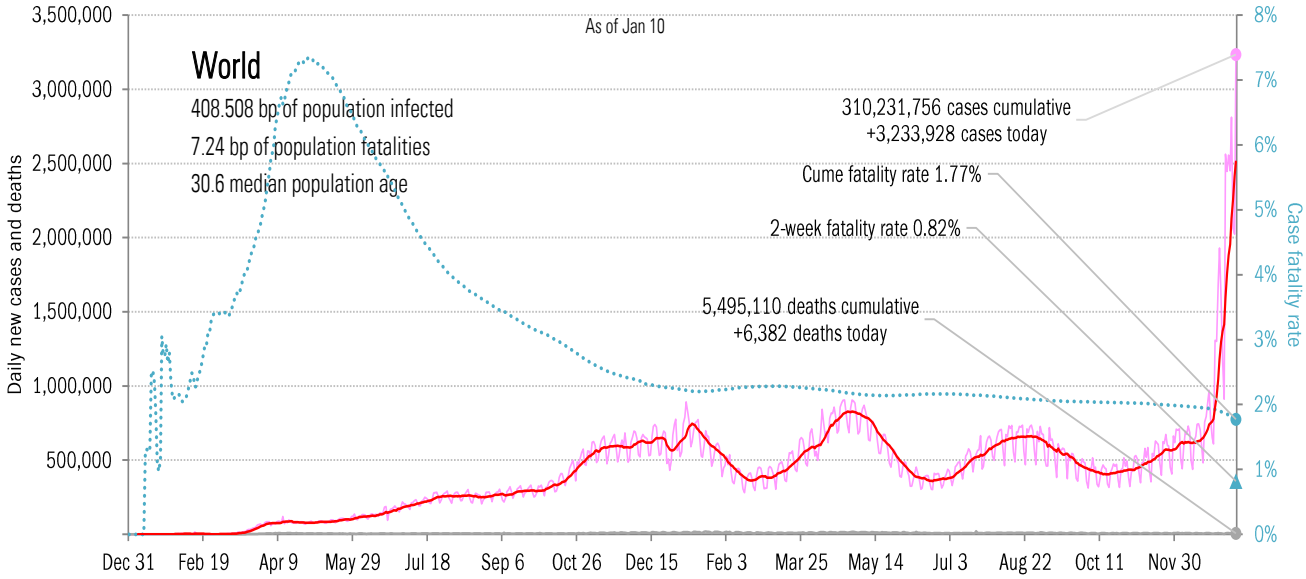
The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries

New cases		New Deaths	
United States	1,436,109	United States	1,828
Spain	292,394	Russia	726
India	168,063	France	280
United Kingdom	145,230	India	277
Italy	117,405	Italy	227
France	93,941	Vietnam	212
Australia	93,806	Spain	202
Argentina	88,352	Cuba	167
Canada	65,713	Hungary	167
Turkey	65,236	Philippines	143
	2,566,249		4,229
World	3,233,928	World	6,382
Top ten	79%	Top ten	66%





Source: Johns Hopkins, TrendMacro calculations

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

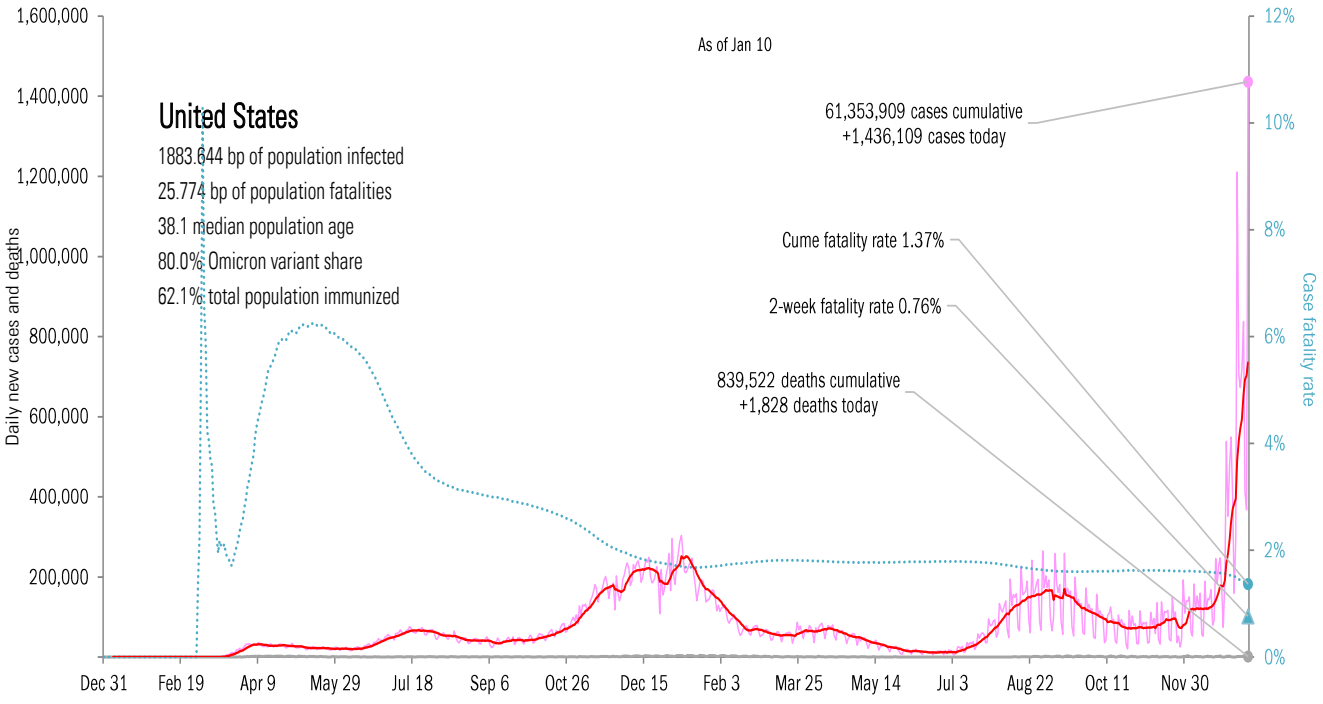
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
CA	228,395	IL	207	CA	527	CA	6,313,572	CA	77,203	TX	417,833	DE	87%	TX	94%
GA	96,320	IN	182	TX	426	TX	5,087,686	TX	76,530	FL	353,756	MN	87%	NM	93%
FL	78,449	GA	173	FL	270	FL	4,554,897	FL	62,832	CA	350,358	GA	87%	DE	92%
IL	77,833	CA	147	GA	112	NY	4,205,019	NY	60,689	NY	208,544	MD	86%	KY	89%
NC	71,180	NY	78	AZ	111	IL	2,460,270	PA	37,686	GA	178,187	WA	85%	MO	89%
MA	64,715	MA	75	OH	102	PA	2,295,089	GA	31,694	OH	164,810	RI	85%	AL	88%
NY	57,865	WI	73	MI	90	OH	2,207,270	IL	31,001	PA	151,428	PA	84%	OK	88%
VA	57,703	AZ	69	CT	78	GA	2,025,262	OH	30,072	IL	134,641	MA	84%	IN	87%
CO	51,101	TN	69	OK	72	MI	1,904,949	MI	30,014	KY	122,961	CT	83%	MN	87%
MI	49,291	KY	67	VA	69	NC	1,887,560	NJ	29,494	MI	122,890	MO	83%	NH	87%
	832,852		1,140		1,857		32,941,574		467,215		2,205,408				
All states	1,436,109		1,828		2,604	All states	61,353,909		839,522		3,979,275	All states	70%		67%
Top ten	58%		62%		71%	Top ten	54%		56%		55%	Median	77%		81%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NY	-32,156	NY	-92	NY	-572	NM	+20 bp
MD	-7,569	FL	-56	FL	-518	AL	+10 bp
AL	-6,202	TX	-13	NJ	-360	CO	+10 bp
NJ	-5,456	PR	-12	PA	-265	FL	+10 bp
PR	-1,659	MD	-6	KY	-238	IN	+10 bp



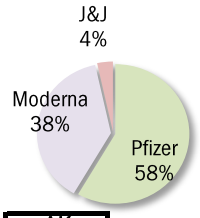
Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative				Today
Doses	533,550,956				+0.833 million
Boosters	76,910,474				+0.461 million
	One dose	% Pop	Immune	% pop	New immune today
Total population	253,066,463	76%	212,947,636	64%	+0.134 million
Age 12 to 17	15,429,768	65%	12,924,465	54%	+0.014 million
Age 18 to 64	171,062,916	84%	144,468,473	71%	+0.057 million
Age 65 and over	58,012,259	100%	49,765,606	91%	+0.006 million

Immunity	Full	Partial
US	62.1%	74.4%
UK	70.0%	76.2%
France	74.5%	78.9%
Spain	81.5%	85.8%
Germany	71.4%	74.0%
Italy	74.7%	81.1%
Australia	77.3%	79.8%
Israel	64.3%	71.4%
Canada	77.6%	84.1%
Japan	78.9%	80.2%
Africa	9.7%	14.8%
India	45.5%	63.8%
Brazil	67.6%	77.9%
China	84.2%	87.4%

Global data differs due to sources, timing



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

Best
Middle
Worst

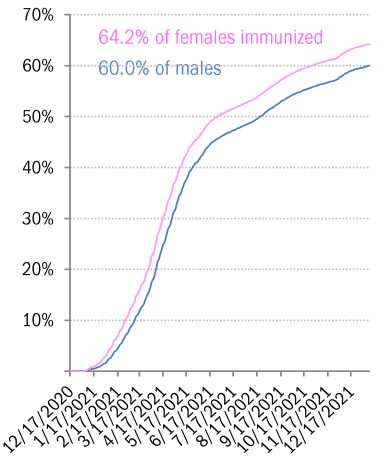
Every American >18 immunized in
724 days
by Jan 4, 2024

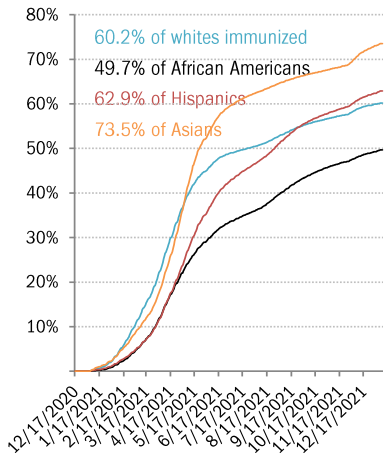
75.2% of population >18 immunized
21.6% previously tested positive
96.8% vs 60% adult herd immunity

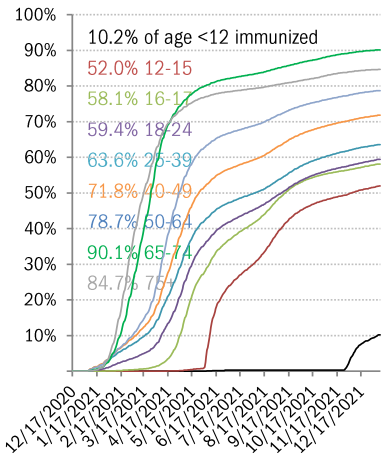
As of Jan 10

AK					WI					ME
65.5%					69.0%					86.8%
56.7%					62.5%					76.4%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
76.3%	52.5%	62.4%	62.8%	72.1%	73.4%	64.1%		85.5%	90.4%	95.0%
68.3%	46.5%	54.3%	53.0%	66.0%	64.8%	57.3%		72.6%	78.2%	67.7%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
74.6%	70.7%	56.4%	71.8%	65.4%	58.5%	61.2%	79.7%	85.1%	92.1%	
66.9%	57.1%	47.9%	57.6%	59.4%	52.4%	55.8%	64.5%	71.2%	75.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
84.1%	67.9%	75.3%	67.0%	62.8%	63.1%	62.4%	80.0%	81.4%	90.3%	90.7%
66.9%	59.3%	66.8%	60.4%	53.3%	54.7%	55.4%	68.5%	71.0%	75.3%	77.3%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	68.3%	81.7%	70.3%	63.5%	59.2%	78.2%	63.5%	90.0%	77.6%	
	57.6%	66.9%	57.6%	51.7%	51.7%	57.3%	53.5%	68.2%	64.7%	
			OK	LA	MS	AL	GA			
			67.1%	58.1%	56.4%	59.2%	61.7%			
			54.0%	50.7%	48.8%	48.1%	51.4%			
HI			TX					FL		PR
91.6%			67.7%					75.4%		89.9%
64.6%			57.5%					63.9%		77.5%

The demographics of US vaccination



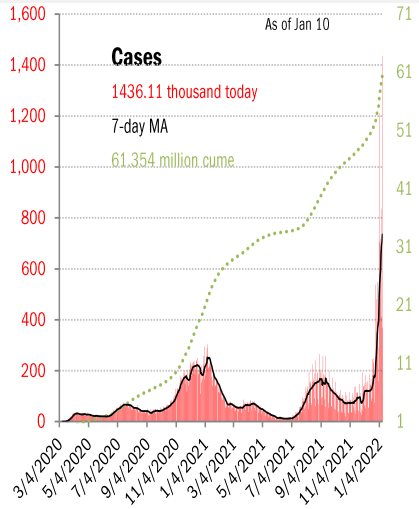


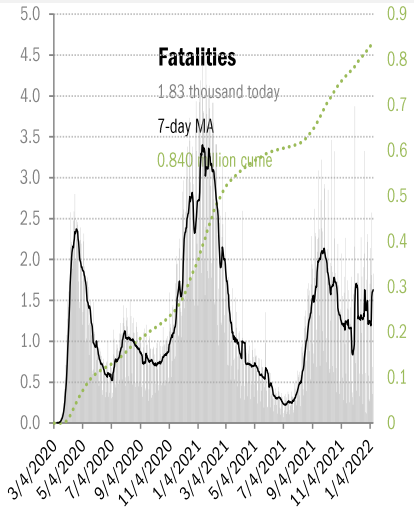


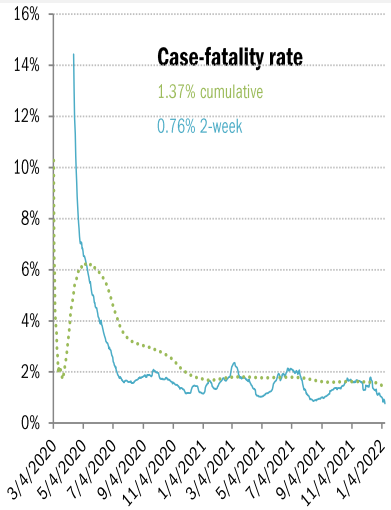
Source: CDC, CDC, Our World in Data, TrendMacro calculations

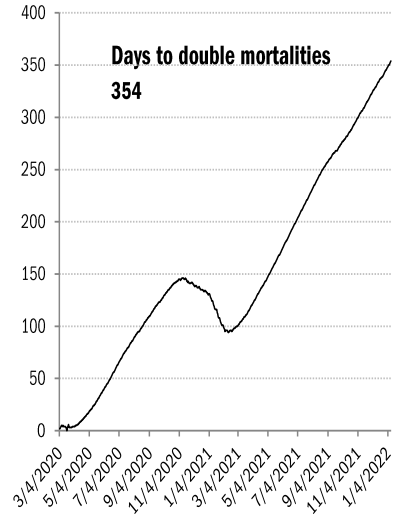
US deep-dive

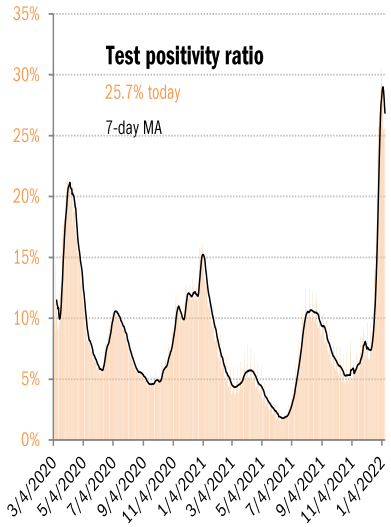
National and state-by-state data do not line up because of different sources

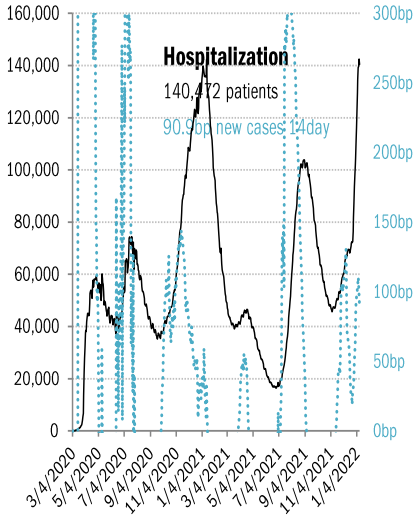


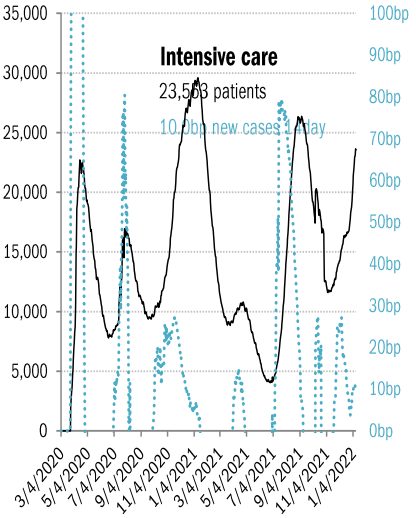


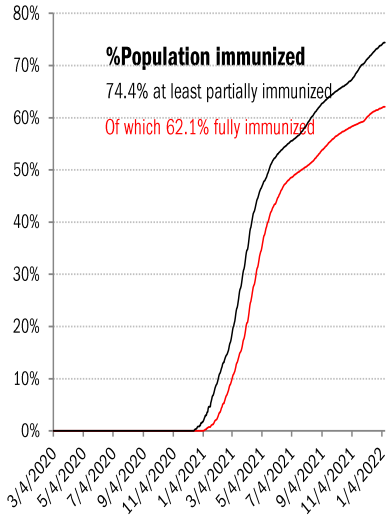












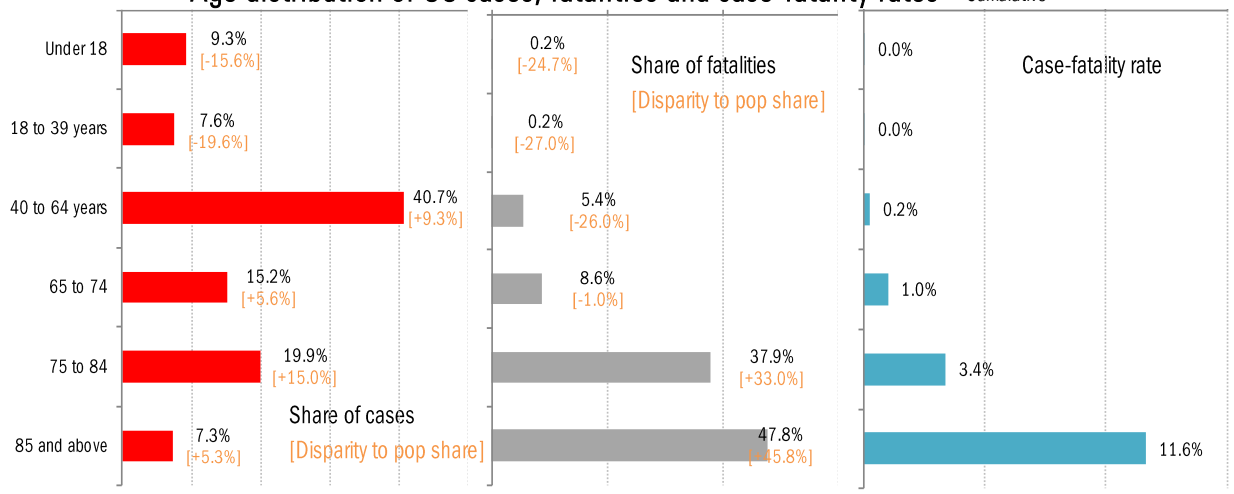
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

US deep-dive on the demographics of age, race and health

Updates weekly on Sundays

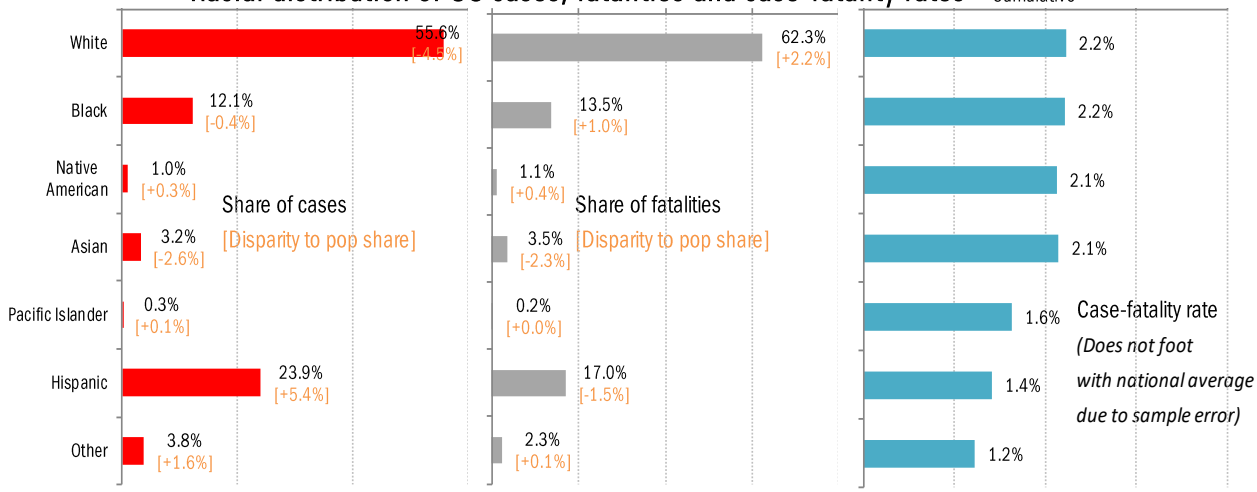
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



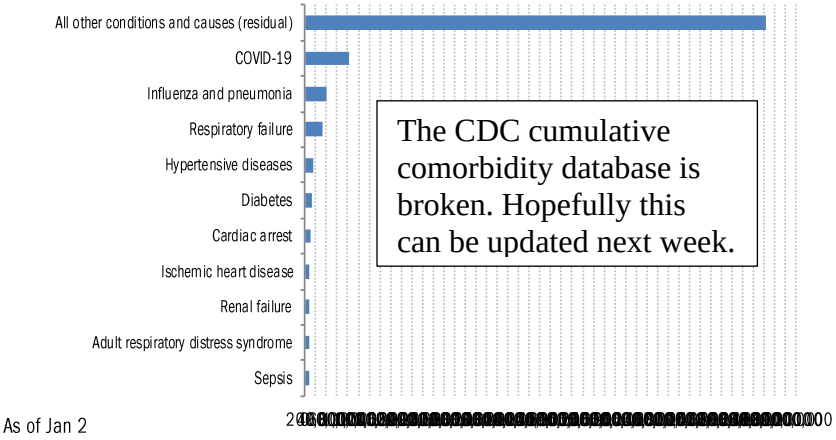
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jan 2

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

[Media, CDC Quietly Admit 3 COVID Truths After 2 Years Of Lies. Did They Think We Wouldn't Notice?]
Elle Reynolds
The Federalist
January 10, 2022

[Slow the Spread? Speeding It May Be Safer]
Vivek Ramaswamy and Apoorva Ramaswamy
Wall Street Journal
January 10, 2022

[Omicron Inches Closer to Beijing Ahead of Winter Olympics]
Bloomberg
January 9, 2022

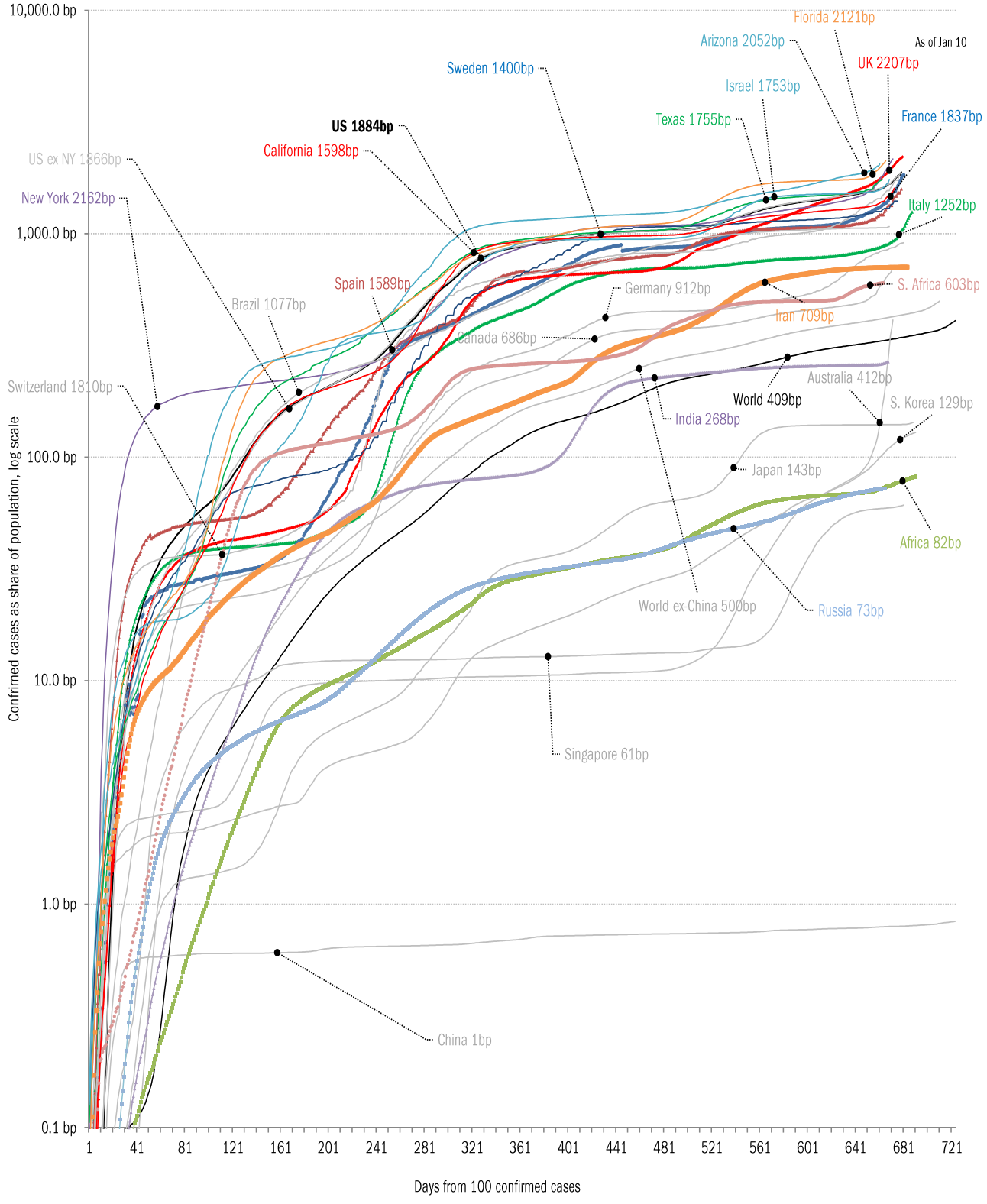
[Inflation up, virus down as priorities in US: AP-NORC poll]
Will Weissert and Hannah Fingerhut
AP
January 10, 2022

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

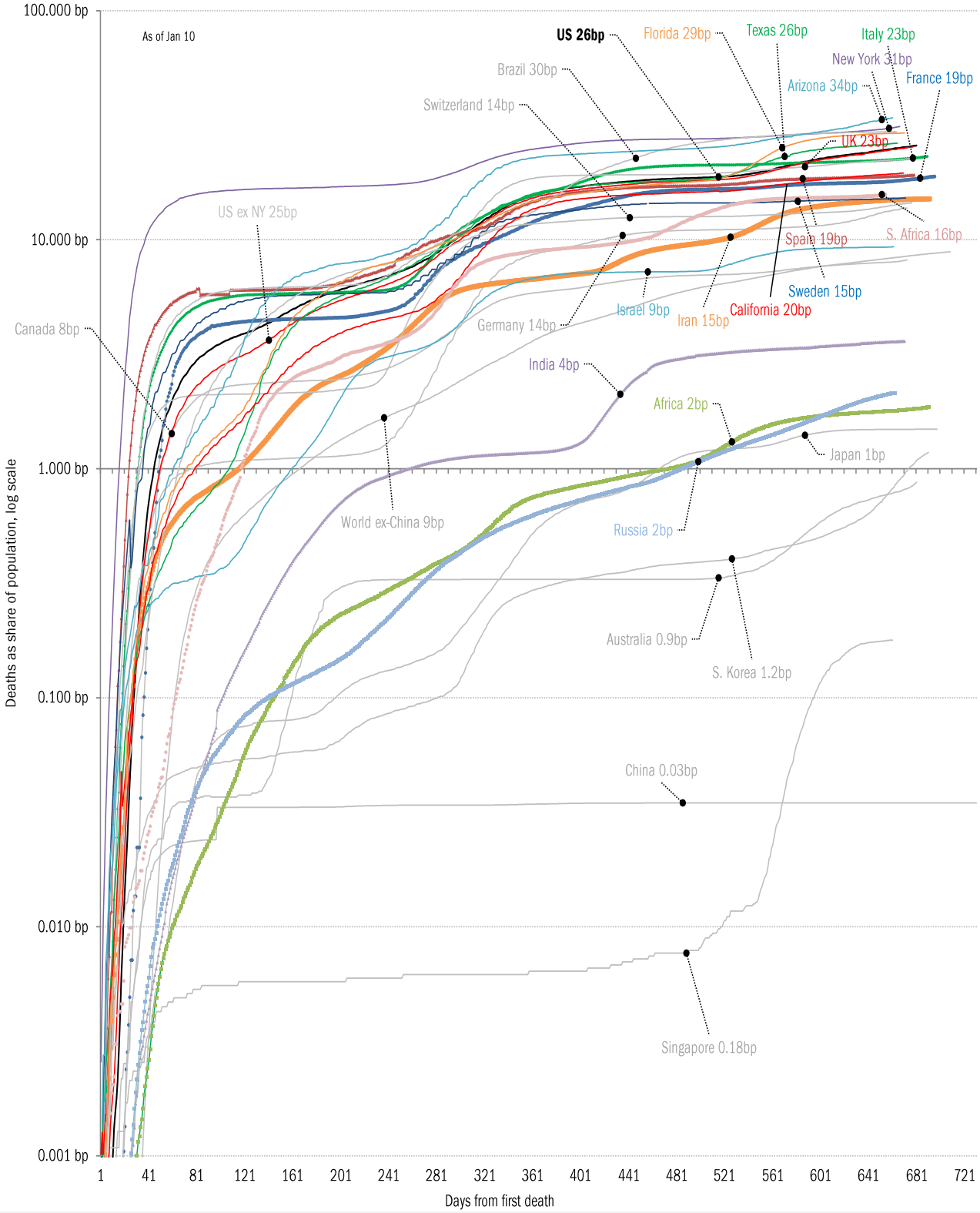
Share of infected population from first day with 100 confirmed cases, log scale



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

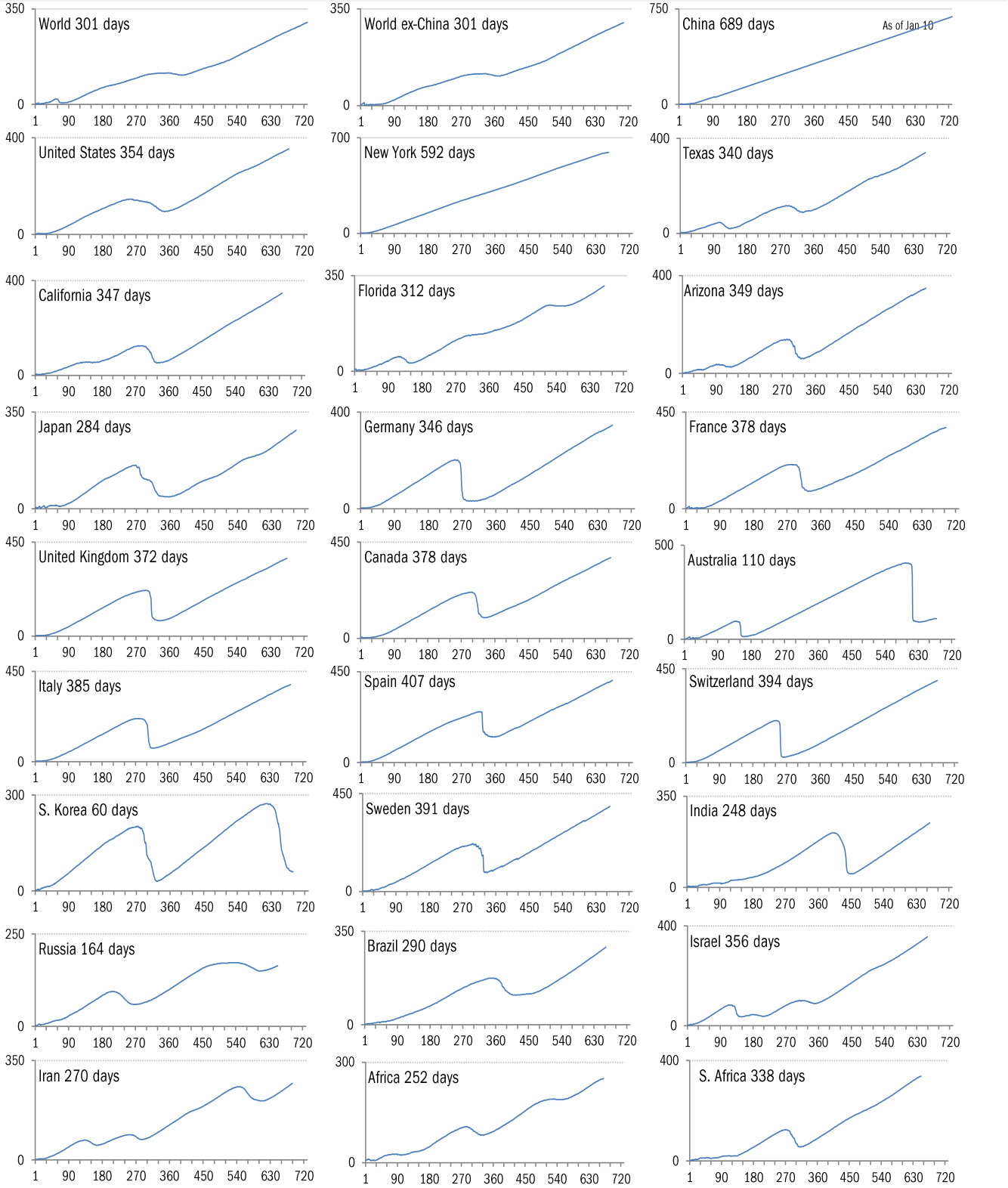


Source: Johns Hopkins, TrendMacro calculations

"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

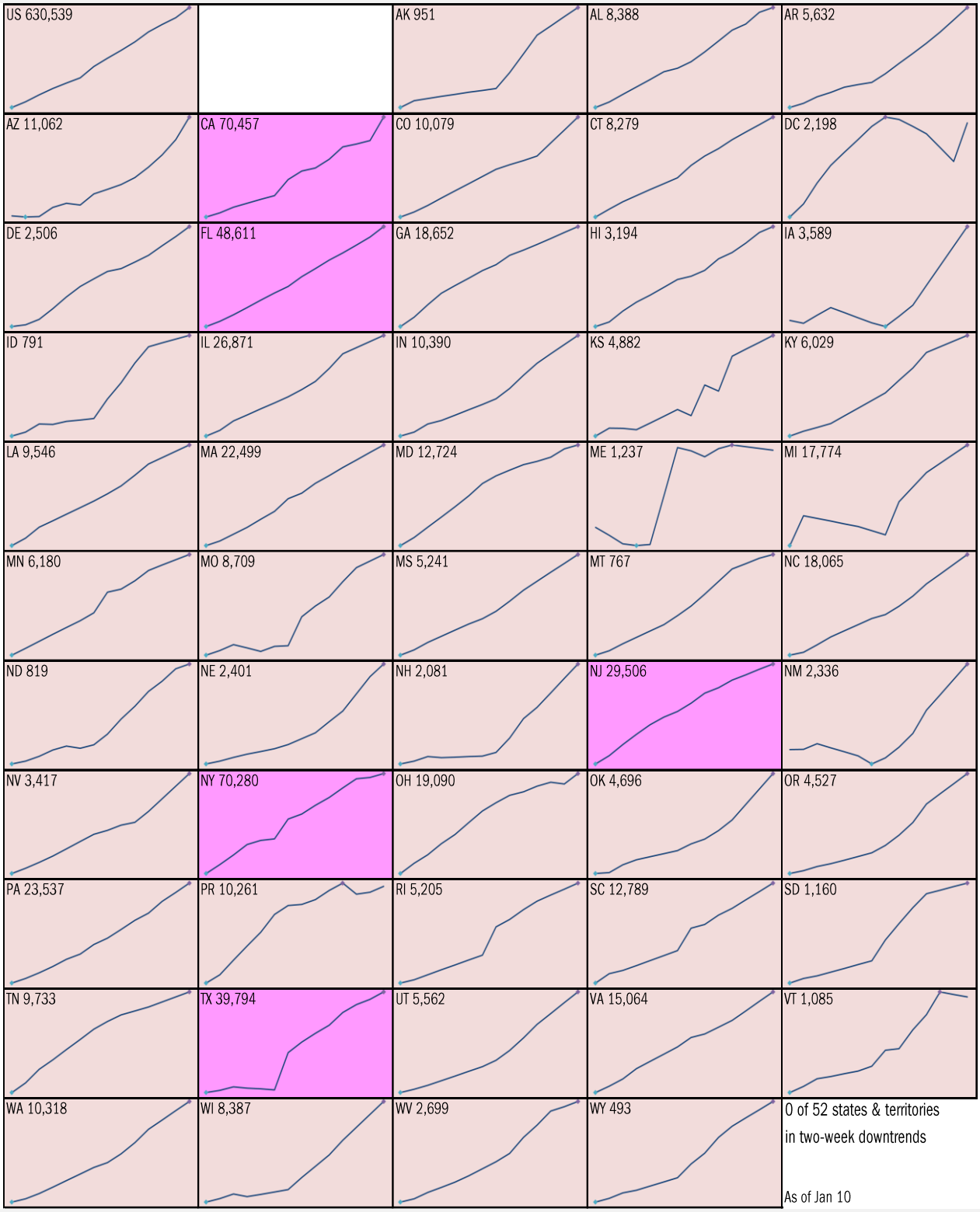


Source: Johns Hopkins, TrendMacro calculations

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

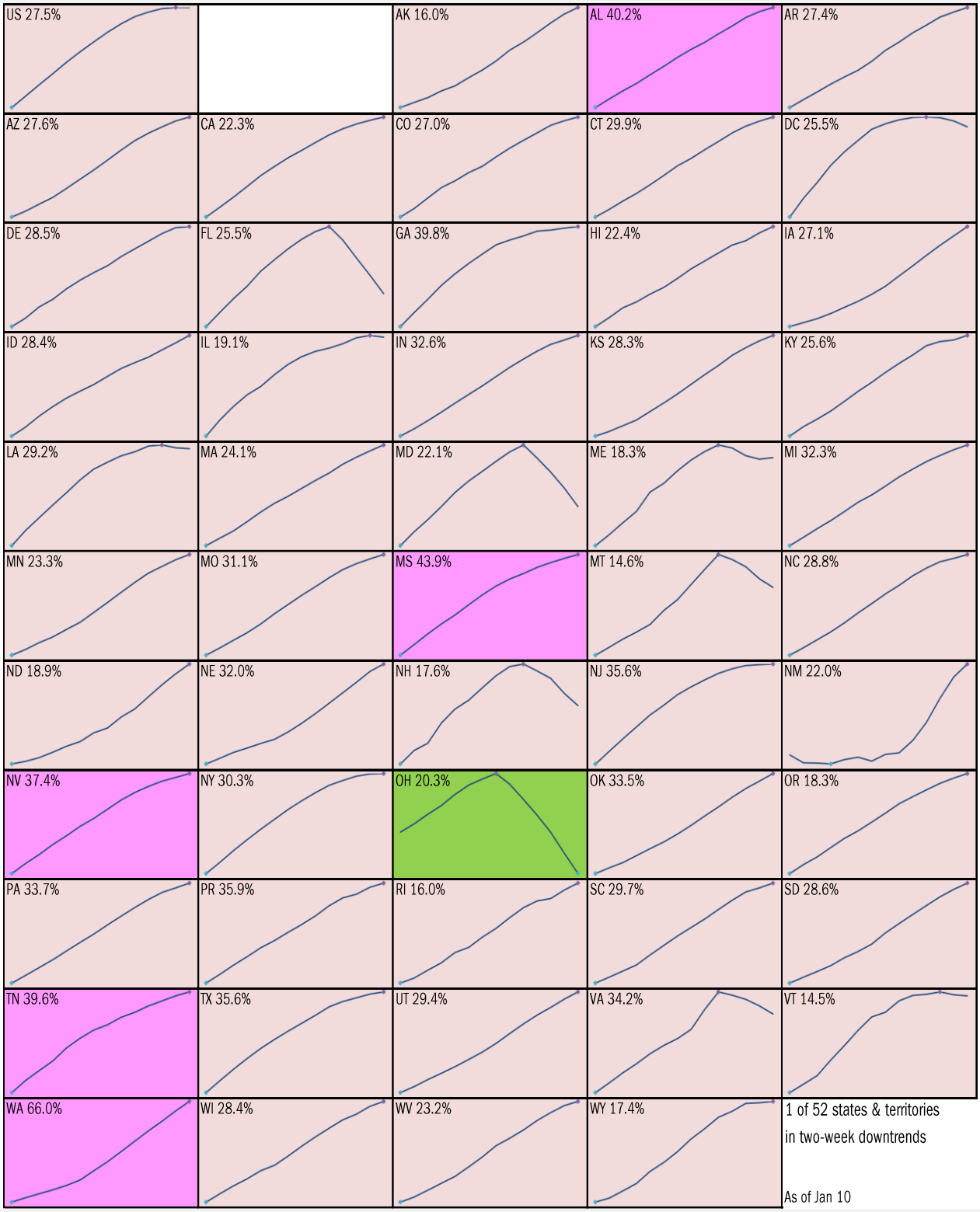


Source: Johns Hopkins, TrendMacro calculations

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

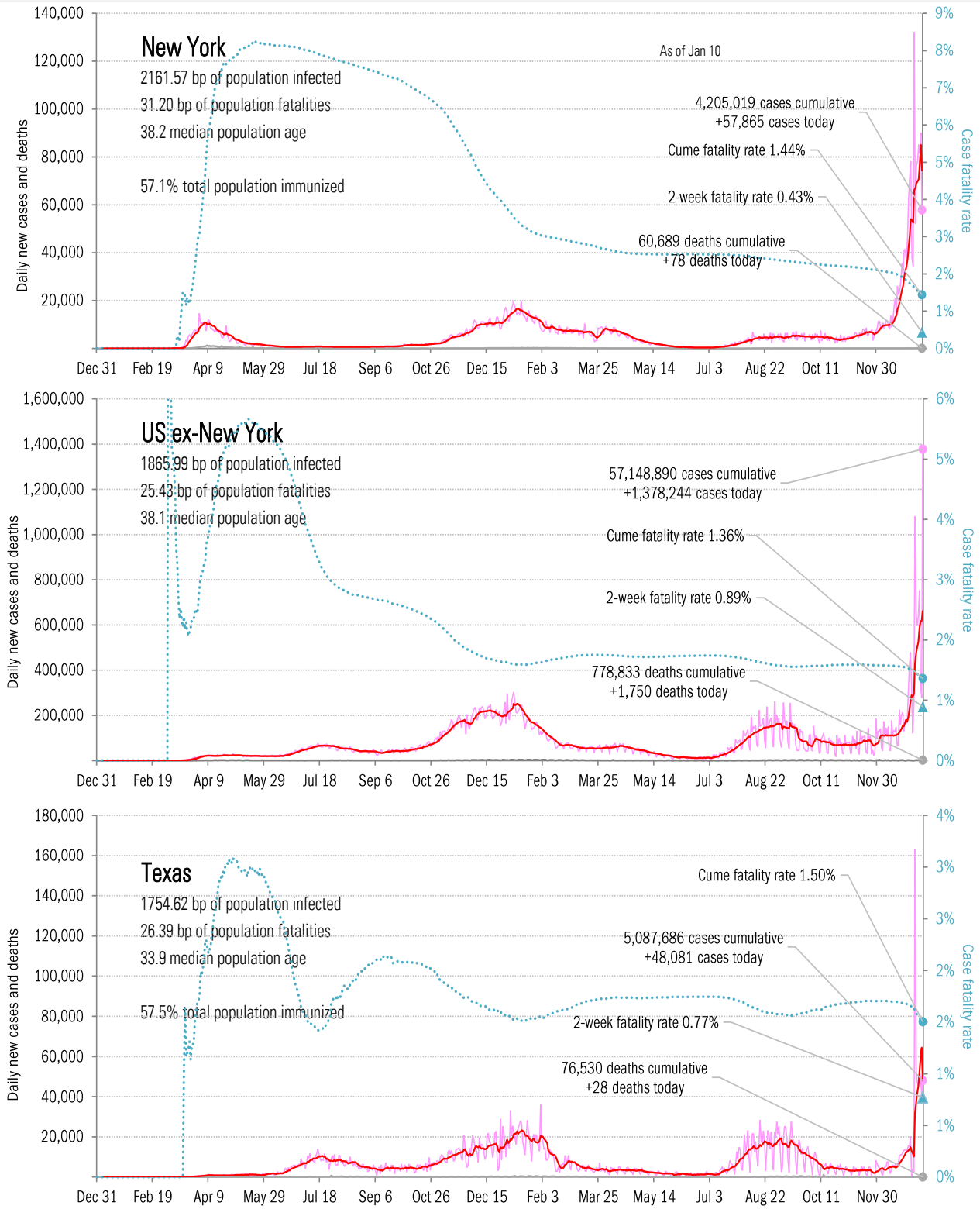
Downward trajectory Five best Upward trajectory Five worst



Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande

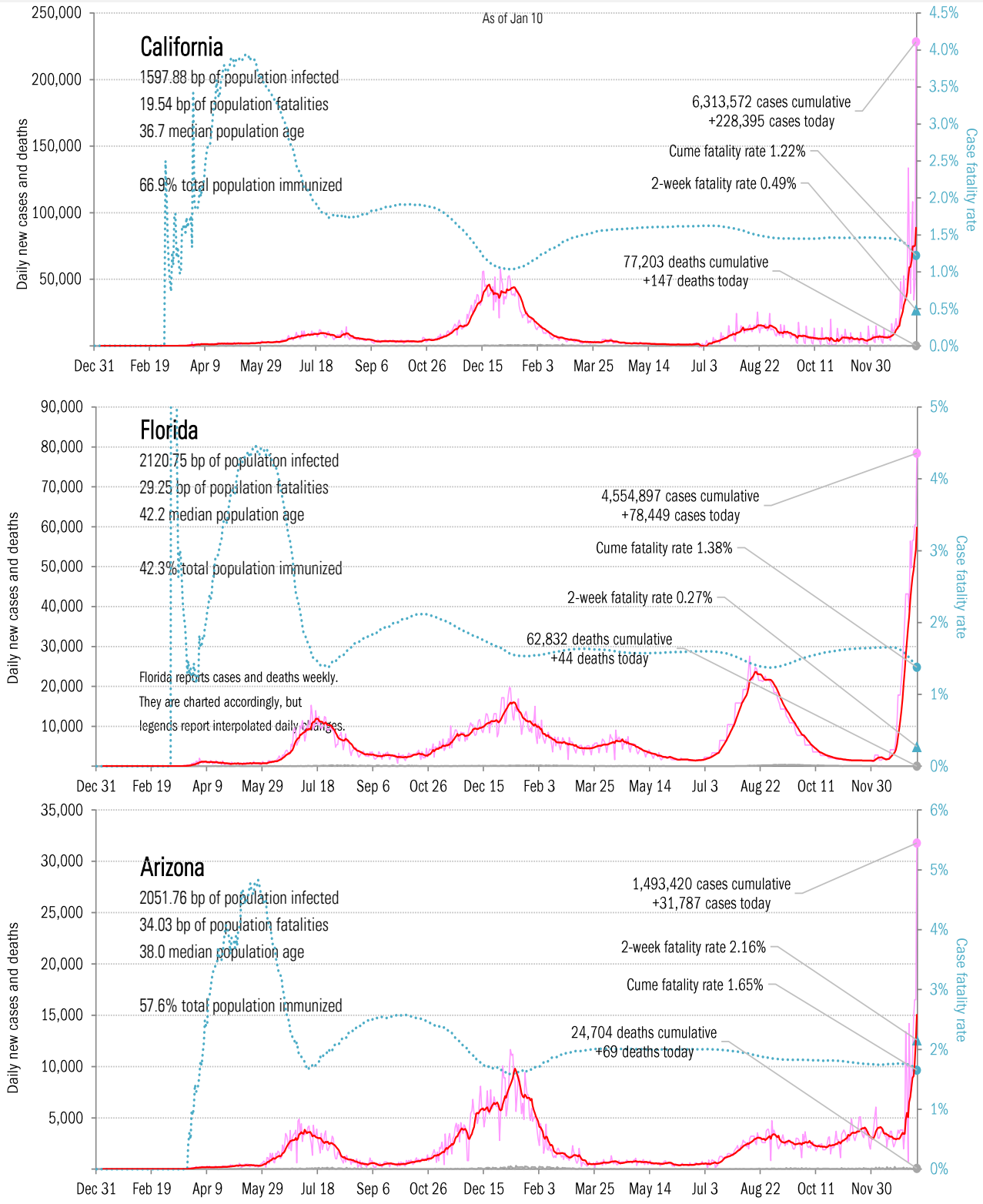
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

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

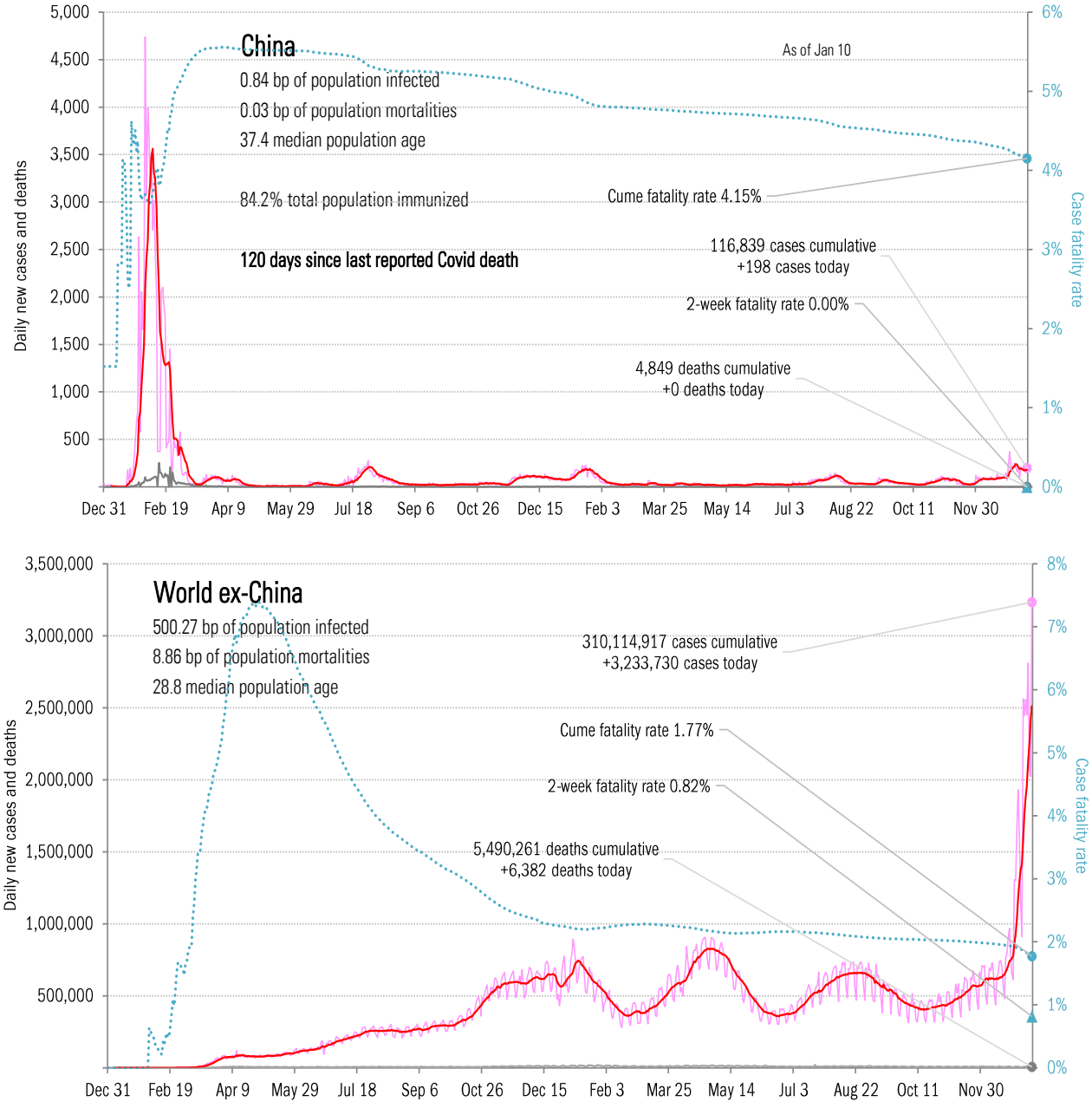
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else

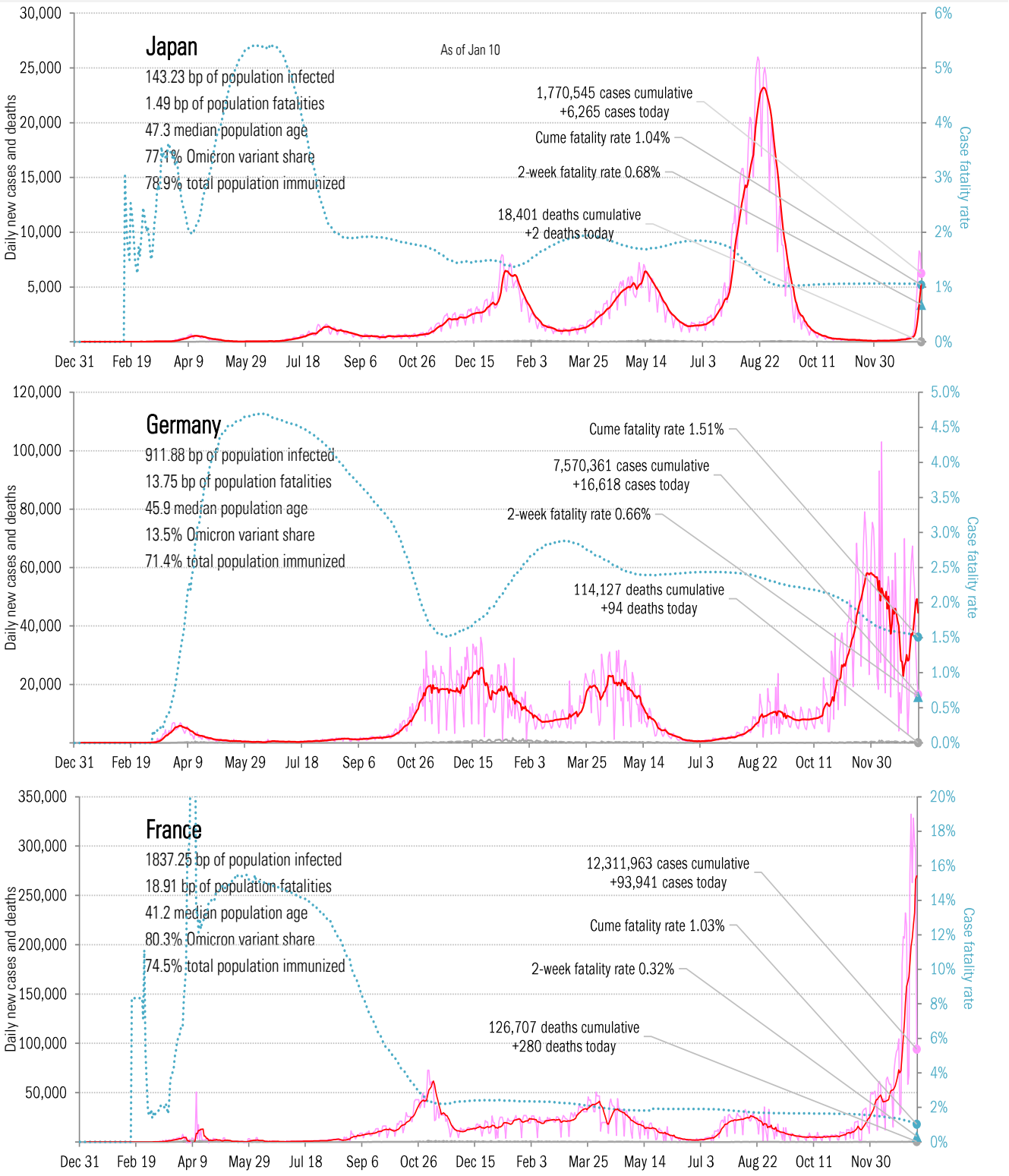
Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies

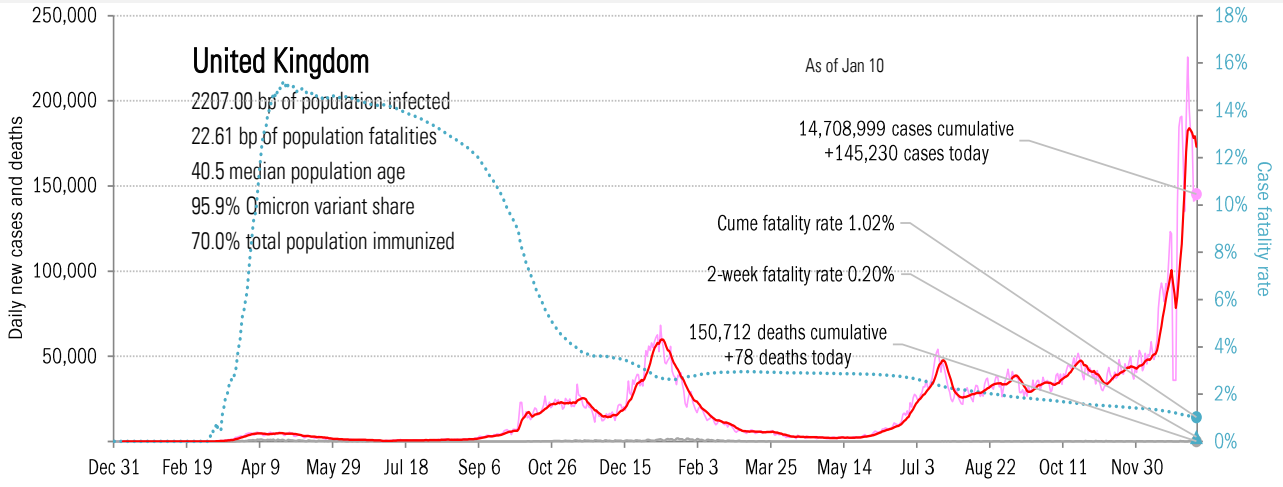
Cases: 7-day average and daily Deaths: Daily

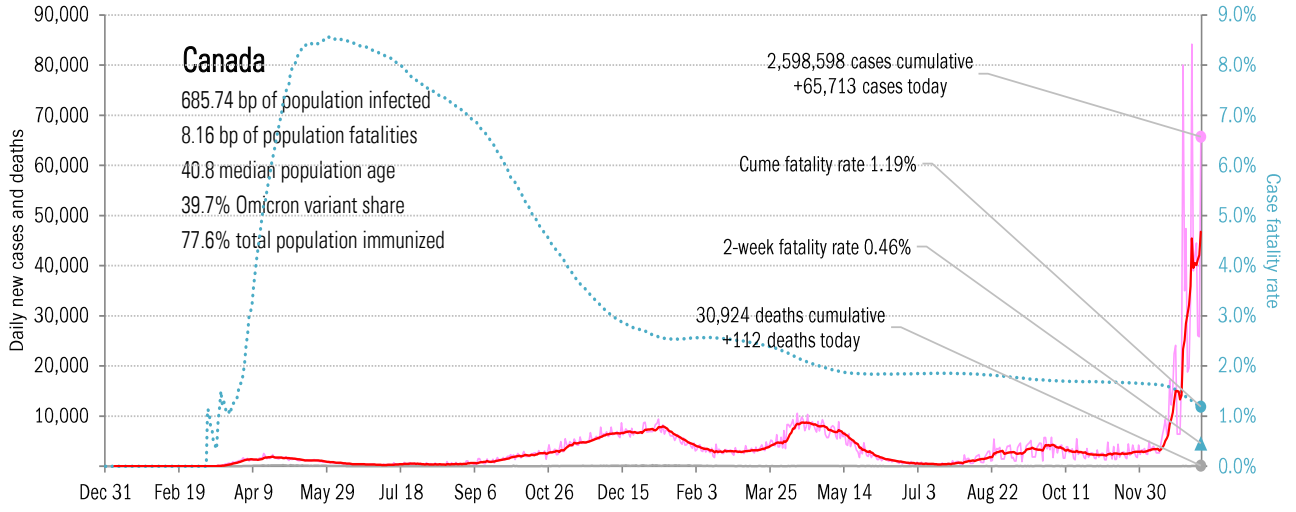


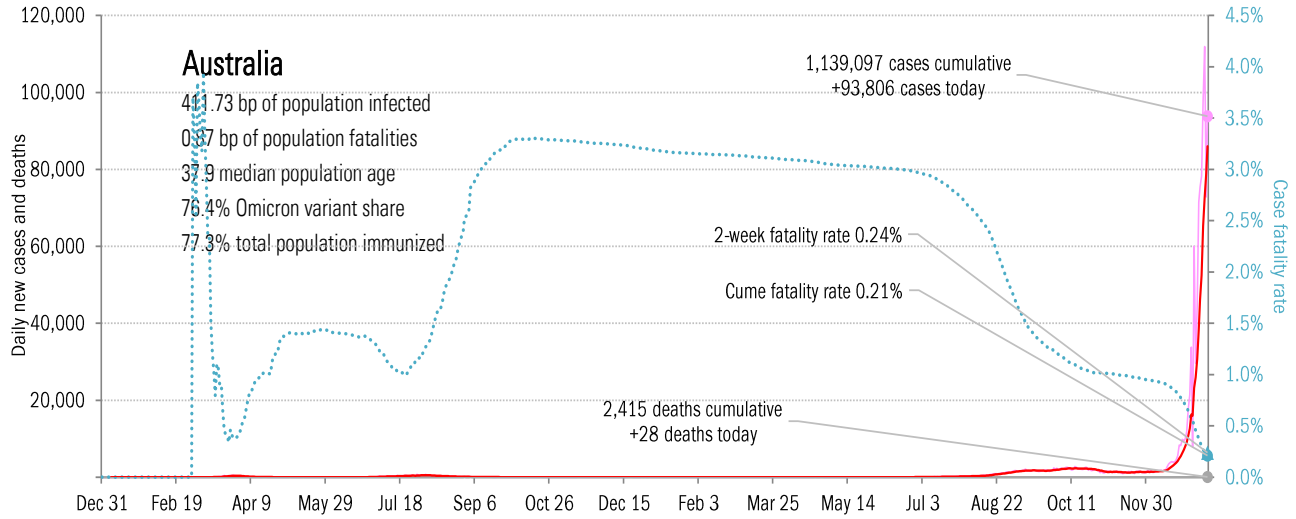
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily



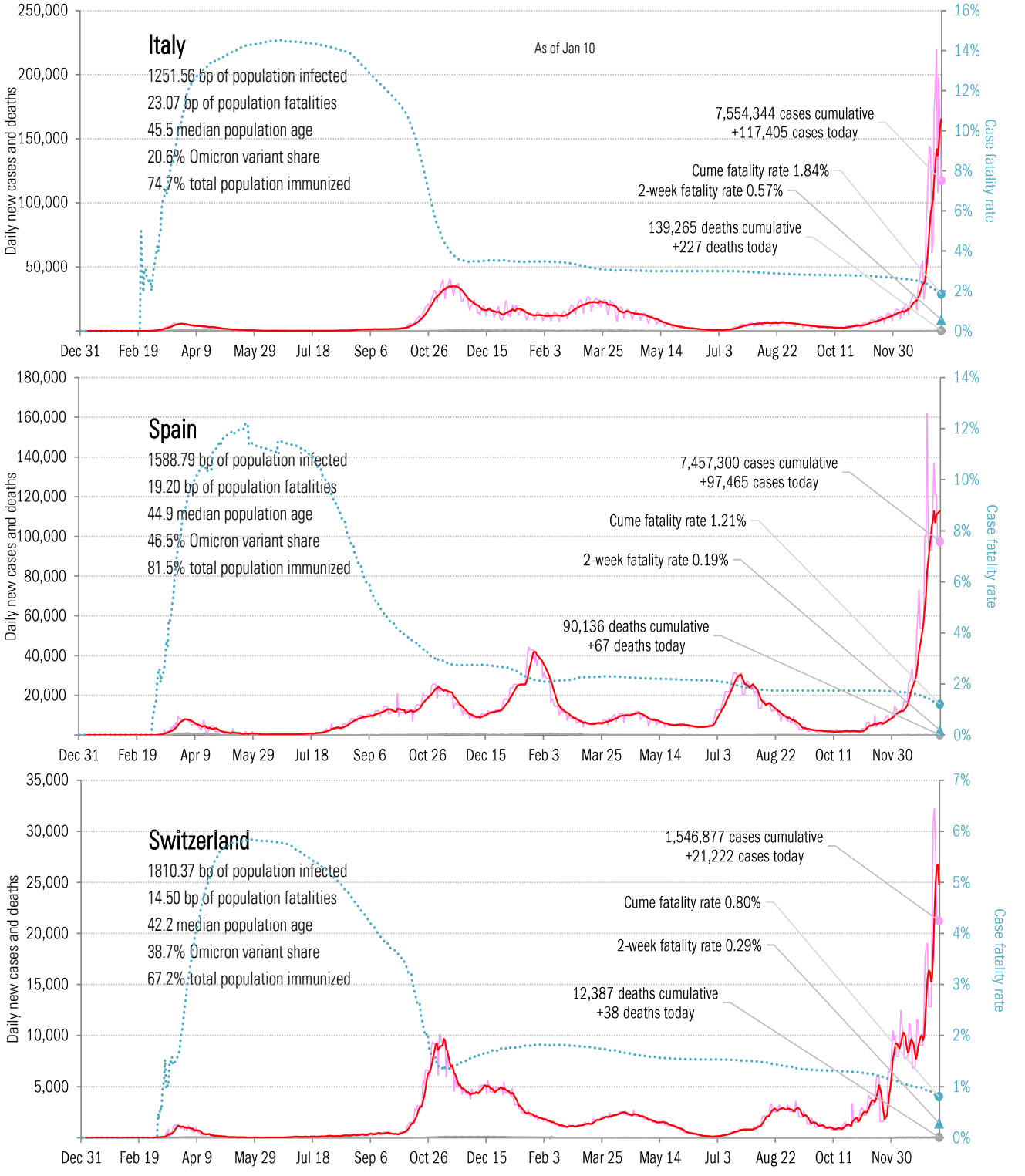




Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe

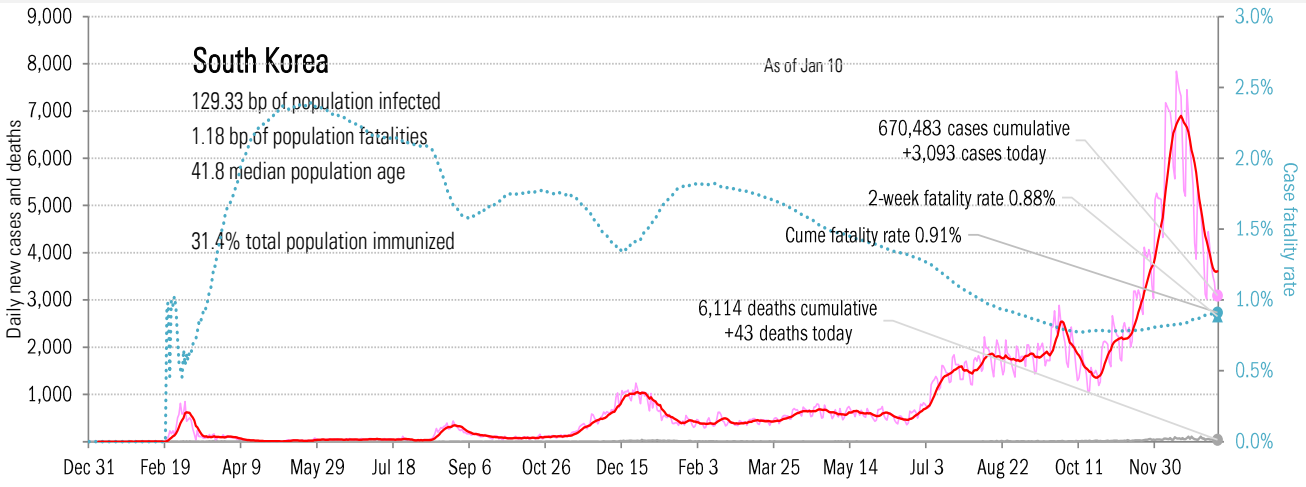
Cases: 7-day average and daily Deaths: Daily

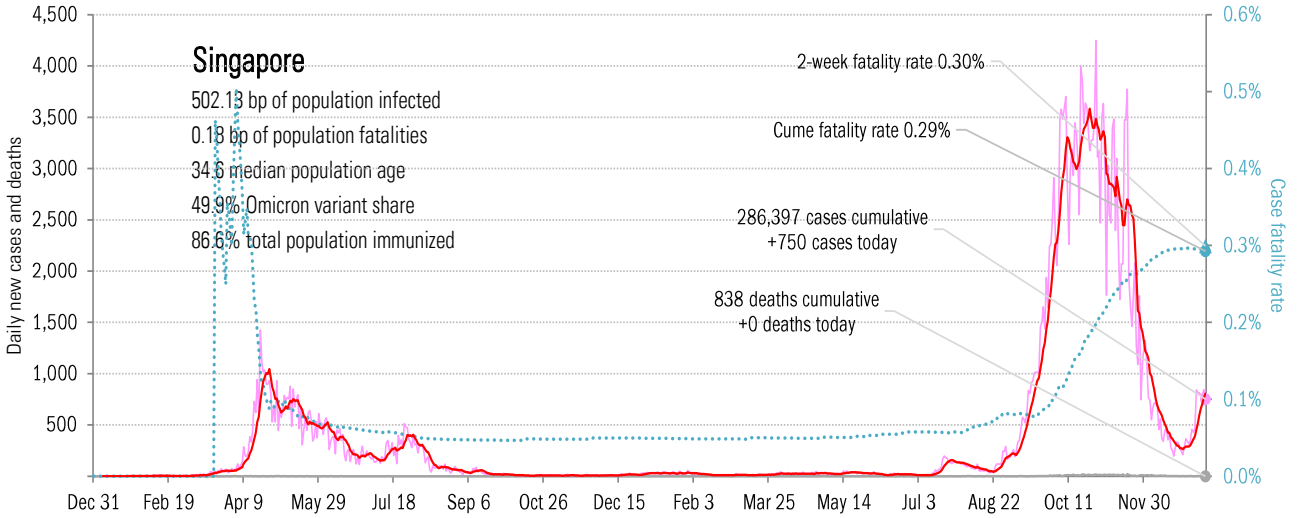


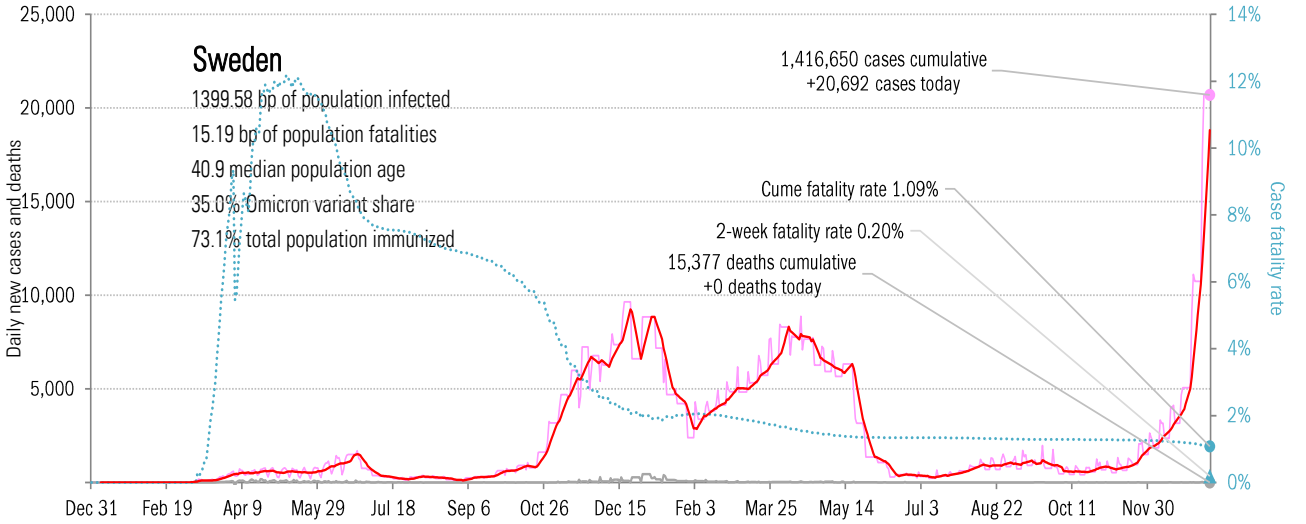
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots

Cases: 7-day average and daily Deaths: Daily



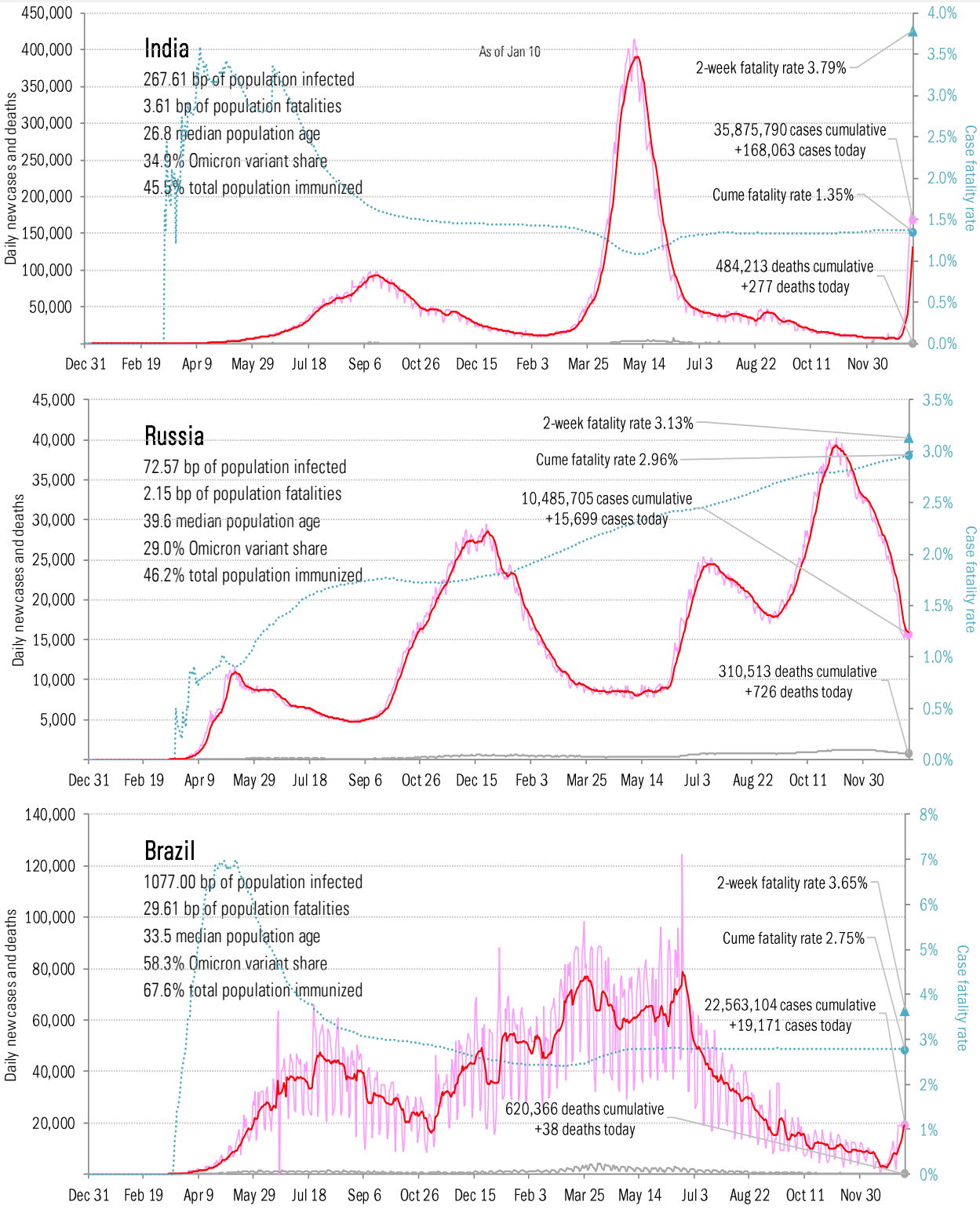




Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China

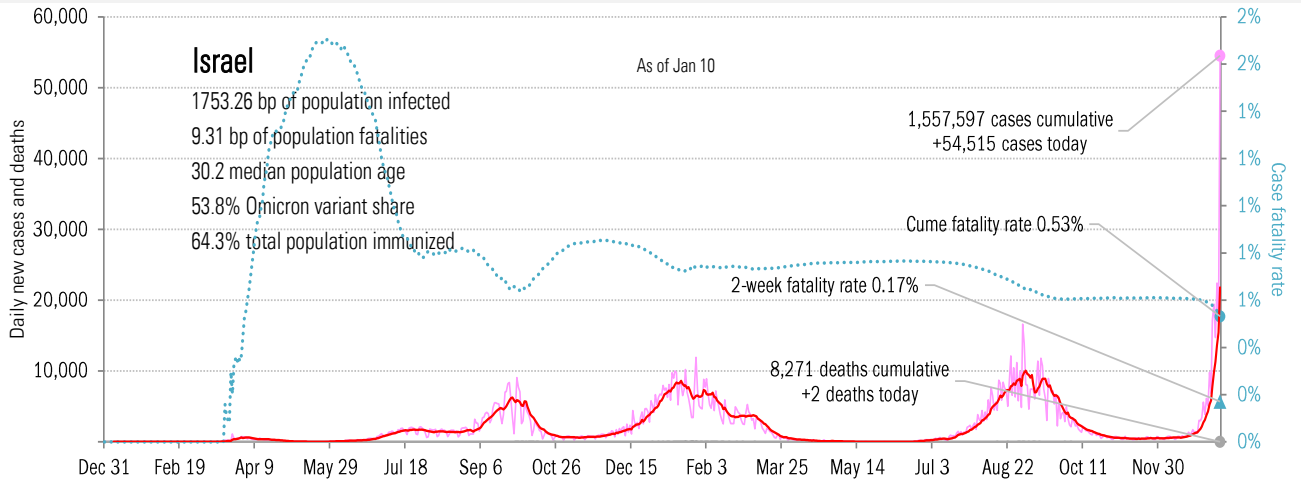
Cases: 7-day average and daily Deaths: Daily

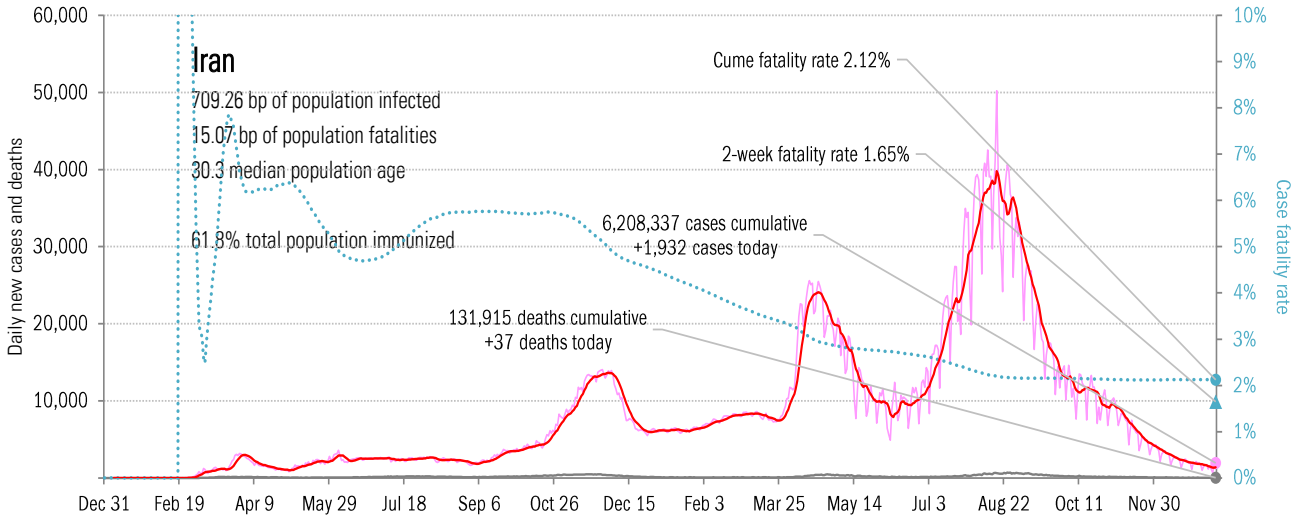


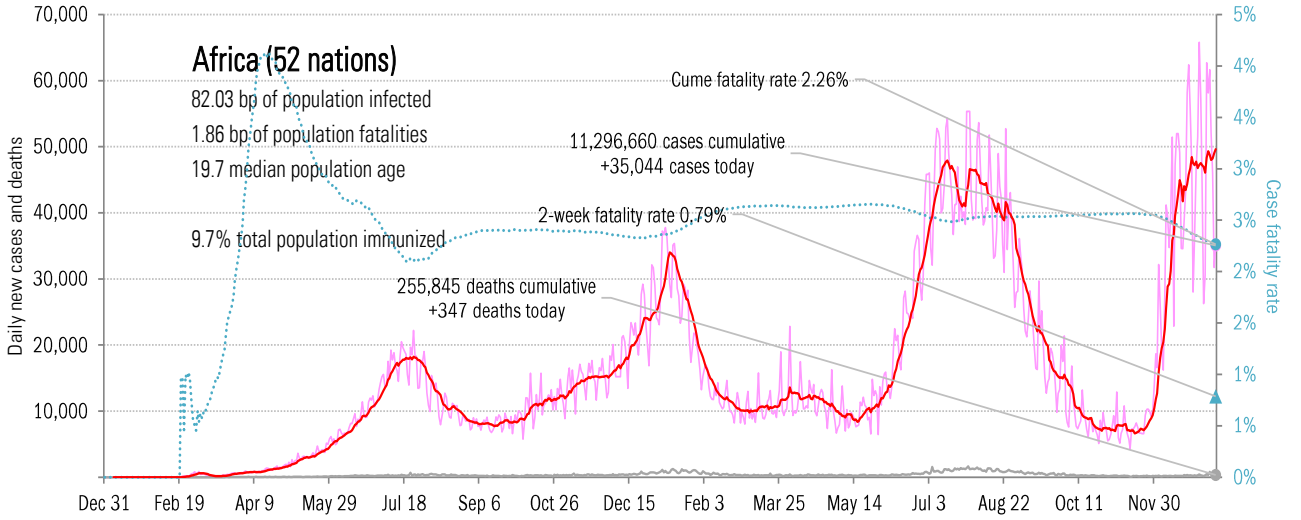
Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa

Cases: 7-day average and daily Deaths: Daily



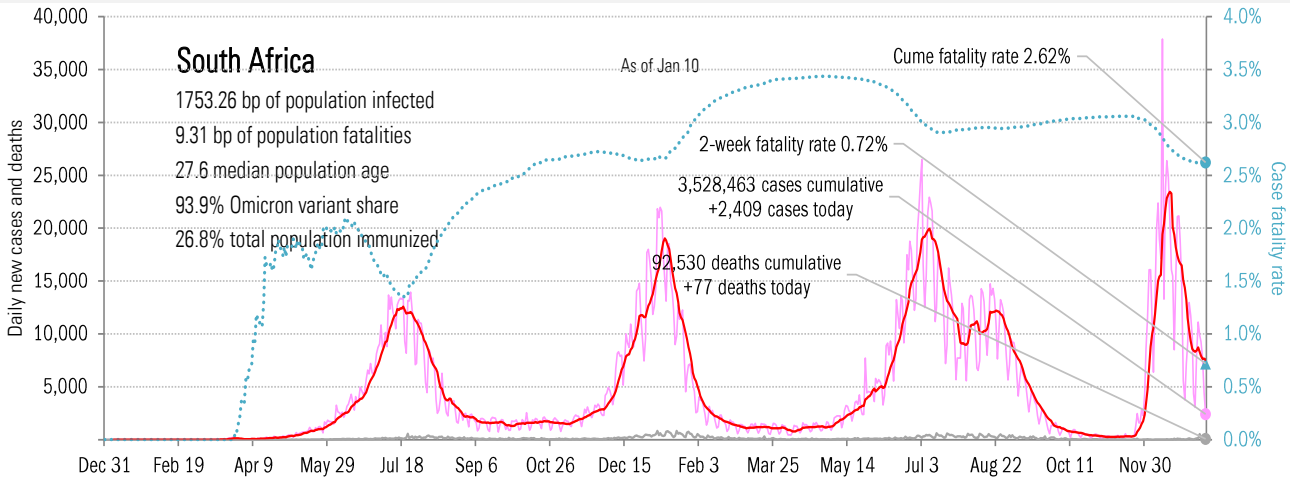




Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, TrendMacro calculations