

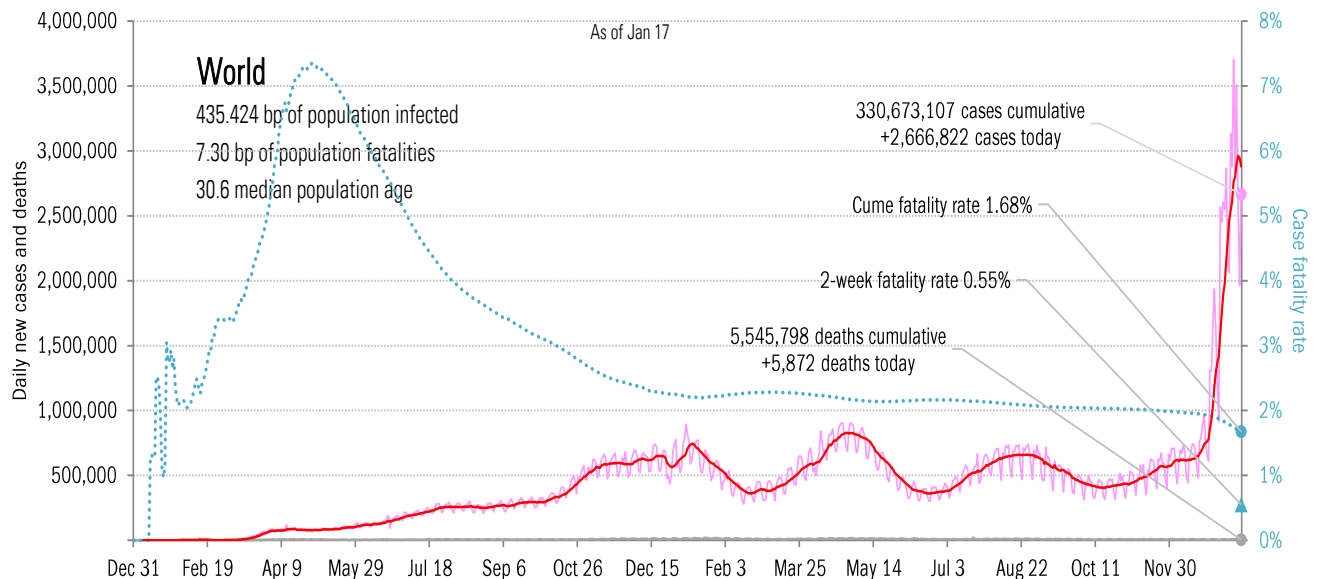
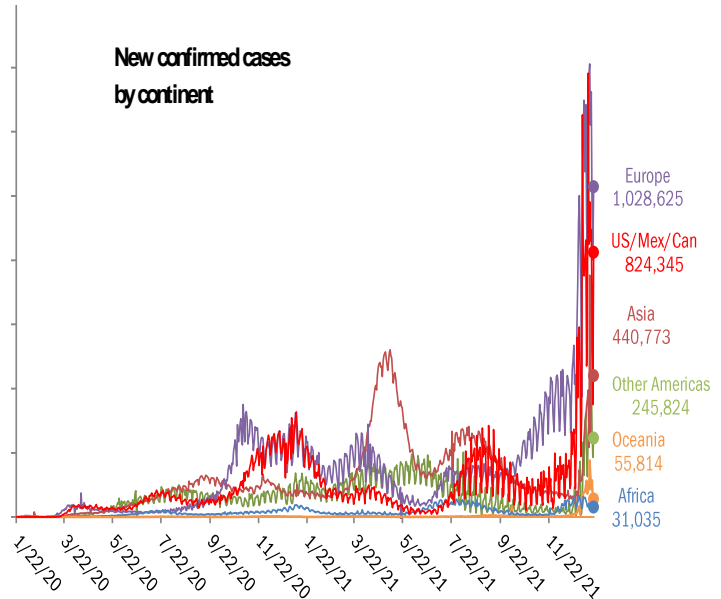
Data Insights: Covid-2019 Monitor

Tuesday, January 18, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
	New cases		New Deaths
United States	758,280	United States	1,078
Spain	331,467	Russia	657
India	238,018	India	310
Argentina	102,458	Italy	287
United Kingdom	90,411	Hungary	270
Italy	83,387	Spain	234
Germany	82,818	Germany	192
Brazil	74,381	Argentina	191
Belgium	73,296	Canada	176
Switzerland	67,905	Turkey	162
	1,902,421		3,557
World	2,666,822	World	5,872
Top ten	71%	Top ten	61%



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

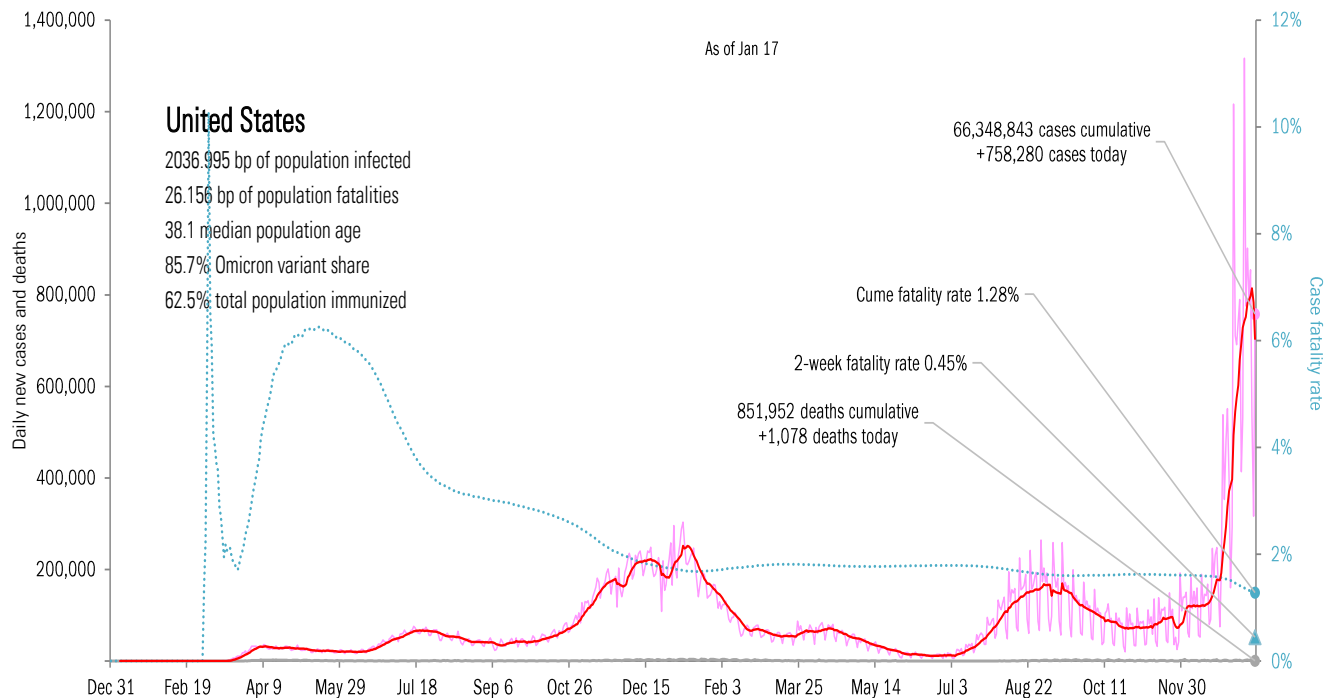
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	216,727		NJ	300		CA	170		CA	7,141,445		CA	77,938		TX	431,516		GA	89%	RI	97%
TX	65,168		NY	261		GA	135		TX	5,565,444		TX	77,221		FL	368,060		DE	88%	TX	94%
AZ	54,666		CA	164		MA	101		FL	4,969,012		FL	62,726		CA	364,727		RI	87%	AL	92%
WI	51,223		IN	82		AZ	81		NY	4,547,472		NY	62,073		NY	219,309		MA	86%	NV	90%
VA	45,498		GA	69		PR	81		IL	2,589,640		PA	38,619		GA	184,082		WA	86%	GA	90%
FL	40,406		TN	69		OK	73		PA	2,474,466		GA	31,997		CH	171,238		MN	85%	KY	90%
NY	39,758		WI	56		MN	68		CH	2,403,645		IL	31,532		PA	157,612		MD	84%	DE	88%
IN	36,579		MD	52		IN	62		GA	2,148,468		CH	30,922		IL	140,603		CT	83%	MO	88%
GA	35,149		CO	42		WA	48		NC	2,011,302		MI	30,709		MI	126,487		PA	83%	OK	88%
CO	29,952		AZ	41		KY	41		NJ	2,003,455		NJ	30,389		KY	125,653		CA	83%	MS	88%
615,126			1,136			860			35,854,349			474,126			2,289,287						
All states	758,280			1,078			-76		All states	66,348,843			851,952			4,128,535		All states	70%		67%
Top ten	81%			105%			-1132%		Top ten	54%			56%			55%		Median	78%		81%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AL	-43,798	FL	-309	TX	-451	AK	+10 bp
PA	-17,522	TX	-131	FL	-438	AL	+10 bp
NY	-7,100	AL	-93	CA	-373	CA	+10 bp
CH	-6,579	AZ	-62	NY	-229	CO	+10 bp
NJ	-6,492	PR	-9	IL	-187	CT	+10 bp



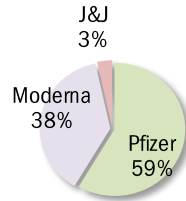
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial	
Doses	540,362,987	+1.316 million	US	62.5%	74.9%	
Boosters	80,810,349	+0.728 million	UK	70.2%	76.3%	
One dose		new immune today	France	75.0%	79.1%	
Total population	254,738,005	+0.206 million	Spain	81.6%	86.3%	
Age 12 to 17	15,582,204	+0.019 million	Germany	72.0%	74.3%	
Age 18 to 64	172,089,471	+0.106 million	Italy	75.1%	81.8%	
Age 65 and over	58,127,571	+0.015 million	Australia	77.6%	81.1%	
	100%	49,853,551	91%	Israel	64.7%	71.8%
			Canada	77.9%	84.2%	
			Japan	78.9%	80.3%	
			Africa	10.0%	15.3%	
			India	46.9%	65.2%	
			Brazil	68.0%	78.0%	
			China	84.5%	87.5%	

Because of the Martin Luther King Jr. Day holiday, the CDC did not update its vaccine database.

Every American >18 immunized in **365 days** by Jan 16, 2023
 75.5% of population >18 immunized
 23.0% previously tested positive
98.5% vs 60% adult herd immunity



State	Best	Middle	Worst
At least partial immunity as % population	Blue	Purple	Red
Full immunity as % population	Blue	Purple	Red

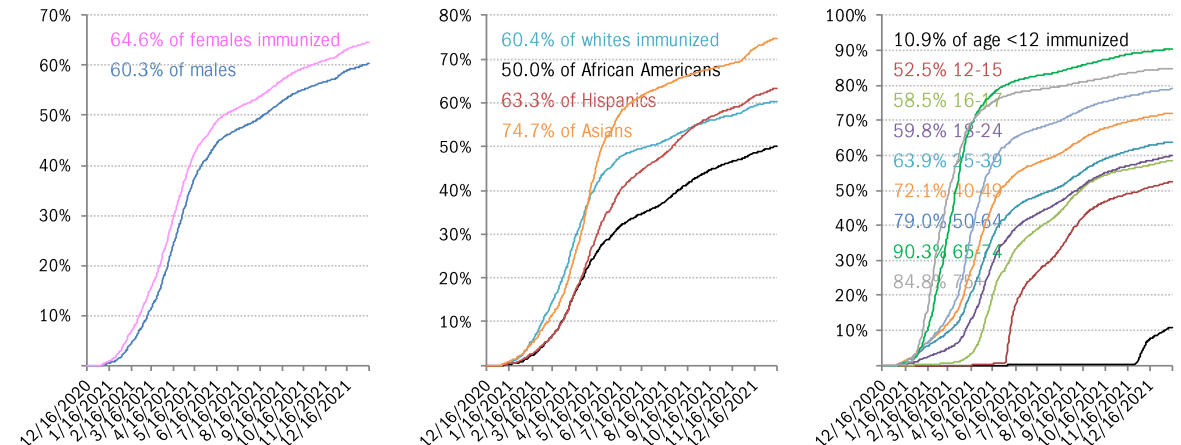
AK
65.9%
57.0%

As of Jan 16

WI	69.4%	ME	87.4%
	62.8%		76.8%
WA	76.8%	ID	52.8%
	68.8%		46.6%
MT	62.8%	ND	63.1%
	54.5%		53.3%
MN	72.5%	IL	73.9%
	66.3%		65.1%
MI	64.4%	NY	86.1%
	57.6%		73.0%
OR	75.0%	VT	90.8%
	67.2%		78.5%
NV	71.2%	NH	95.0%
	57.3%		68.0%
WY	56.8%	MA	92.9%
	48.2%		75.6%
SD	72.4%	PA	80.4%
	58.0%		64.9%
IA	65.8%	NJ	85.8%
	59.7%		71.6%
IN	58.9%	OH	61.5%
	52.6%		56.0%
OH	61.5%	VA	80.5%
	56.0%		68.9%
PA	80.4%	MD	82.1%
	64.9%		71.6%
CA	84.8%	CT	90.9%
	67.3%		75.7%
UT	68.4%	RI	91.8%
	59.7%		77.8%
CO	75.8%	DE	78.4%
	67.1%		65.1%
NE	67.4%	DC	90.9%
	60.6%		68.7%
MO	63.4%	NC	79.0%
	53.6%		53.9%
KY	63.5%	SC	64.1%
	54.9%		62.3%
WV	62.8%	GA	62.3%
	55.6%		51.8%
VA	80.5%	AL	59.6%
	68.9%		48.4%
MD	82.1%	LA	58.4%
	71.6%		50.9%
CT	90.9%	MS	56.9%
	75.7%		49.1%
RI	91.8%	TX	68.2%
	77.8%		57.8%
HI	83.9%	FL	75.8%
	74.6%		64.1%
		PR	90.5%
			77.9%

Global data differs due to sources, timing

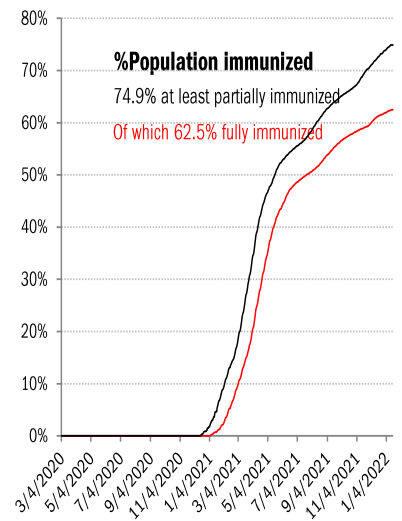
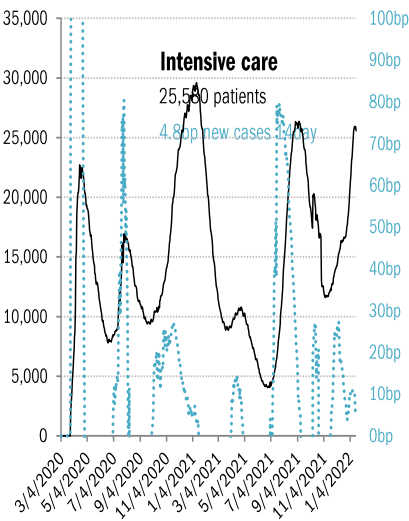
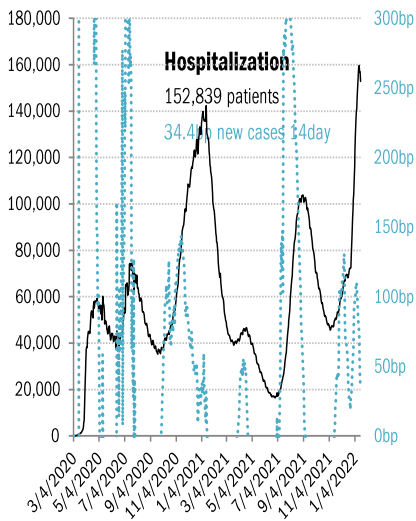
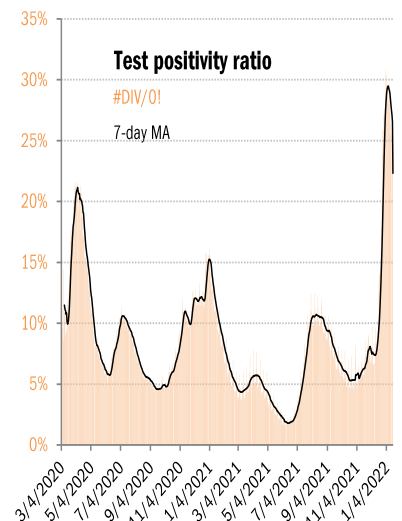
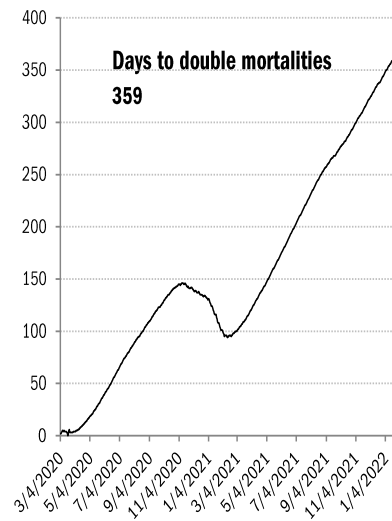
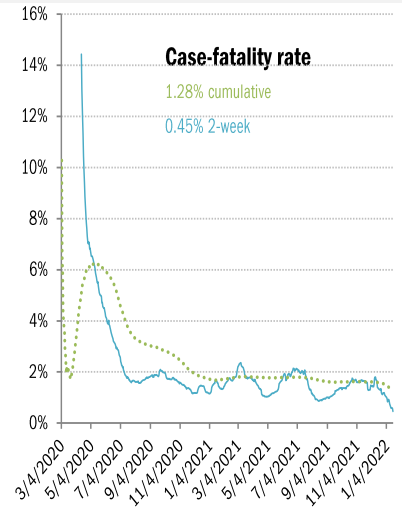
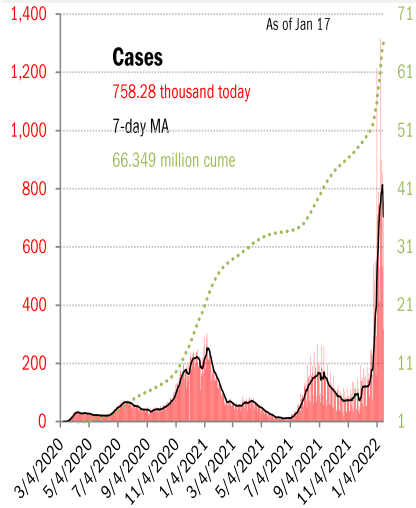
The demographics of US vaccination



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

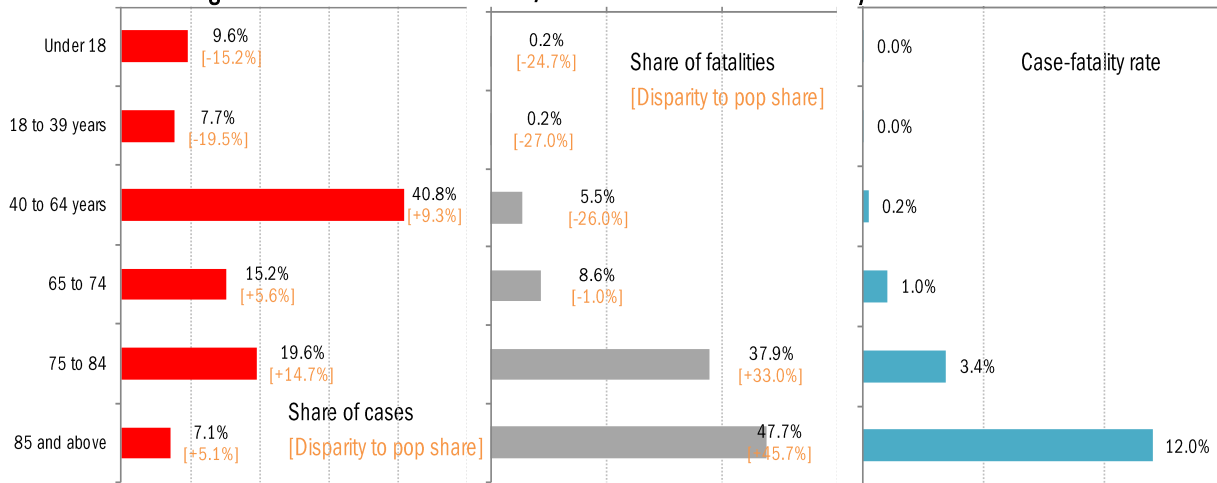
US deep-dive

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

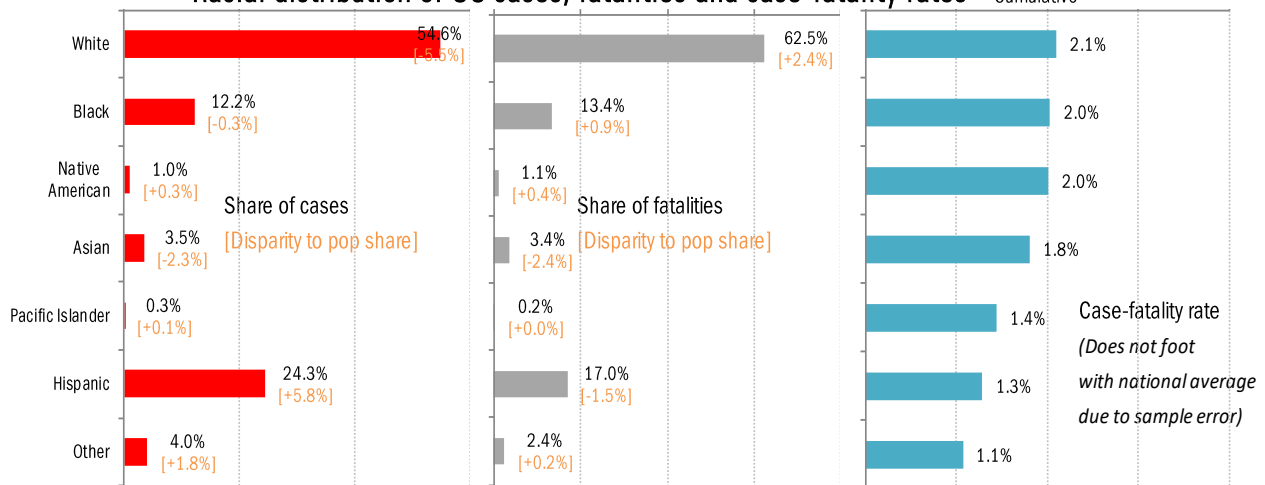


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

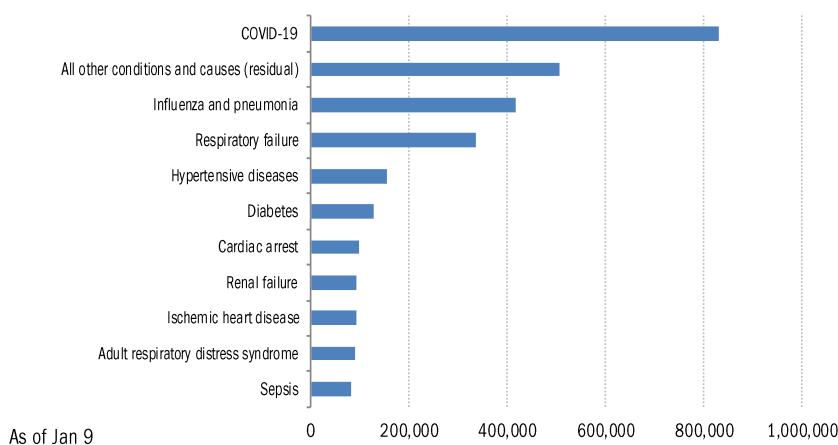


Racial distribution of US cases, fatalities and case-fatality rates



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

[Herd Immunity Is Over—Long Live Superimmunity](#)

Allysia Finley
Wall Street Journal
January 17, 2022

[Texas Rabbi Recounts Dramatic Escape From Synagogue](#)

Ruth Graham
New York Times
January 17, 2022

[Interview with Charité virologist Drosten: "How long will this torture continue?"](#)

Sascha Karberg Richard Friebe
Der Tagesspiegel
January 16, 2022

[Joint Chiefs chairman and Marine Corps chief have COVID-19](#)

AP
January 17, 2022

[Israeli study shows 4th shot of COVID-19 vaccine less effective on Omicron](#)

Reuters
January 17, 2022

[The C.D.C.'s New Challenge? Grappling With Imperfect Science](#)

Apoorva Mandavilli
New York Times
January 17, 2022

[Omicron Surge Spurs New Covid-19 Relief Push in Congress](#)

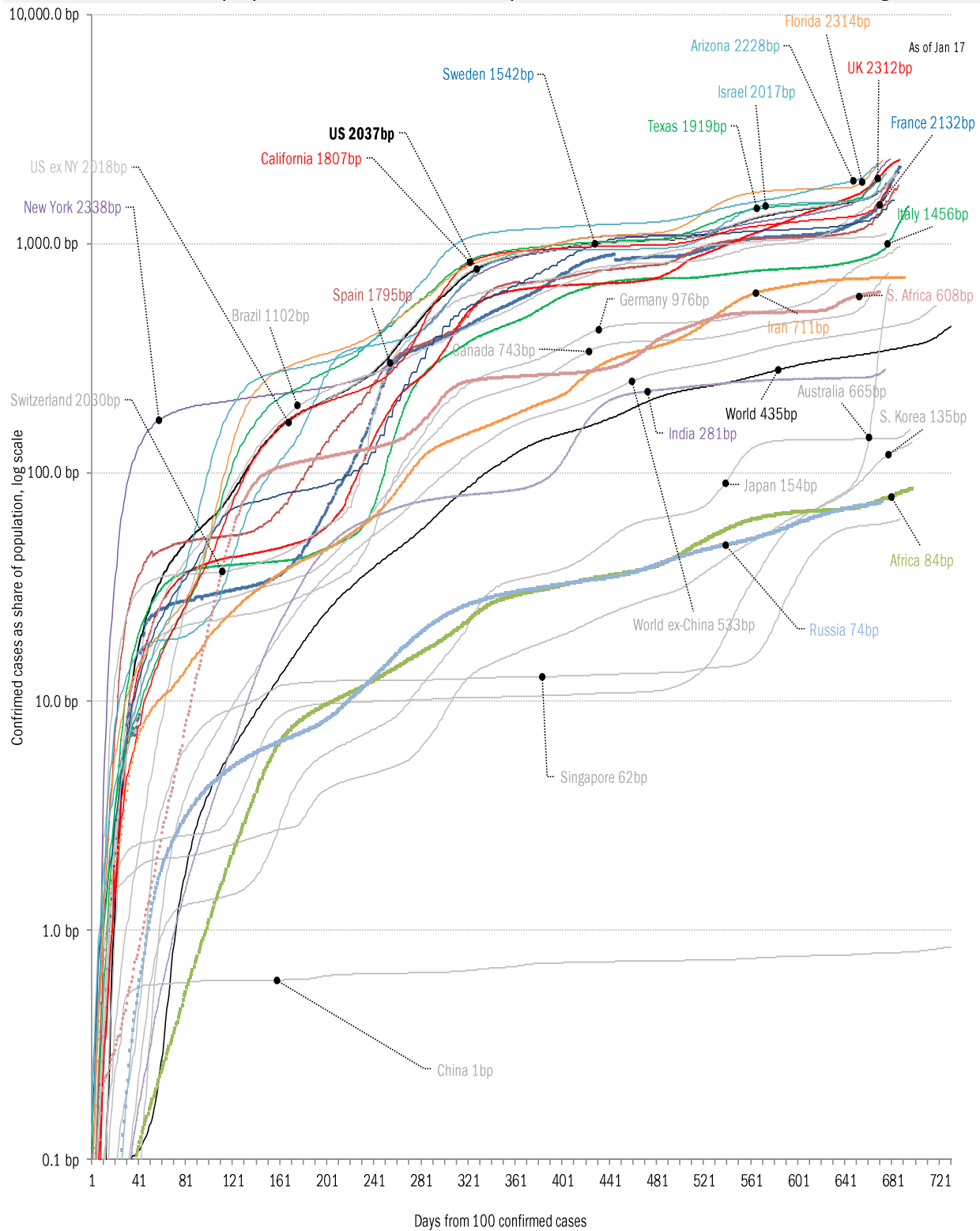
Brody Mullins
Wall Street Journal
January 16, 2022

Meme of the day



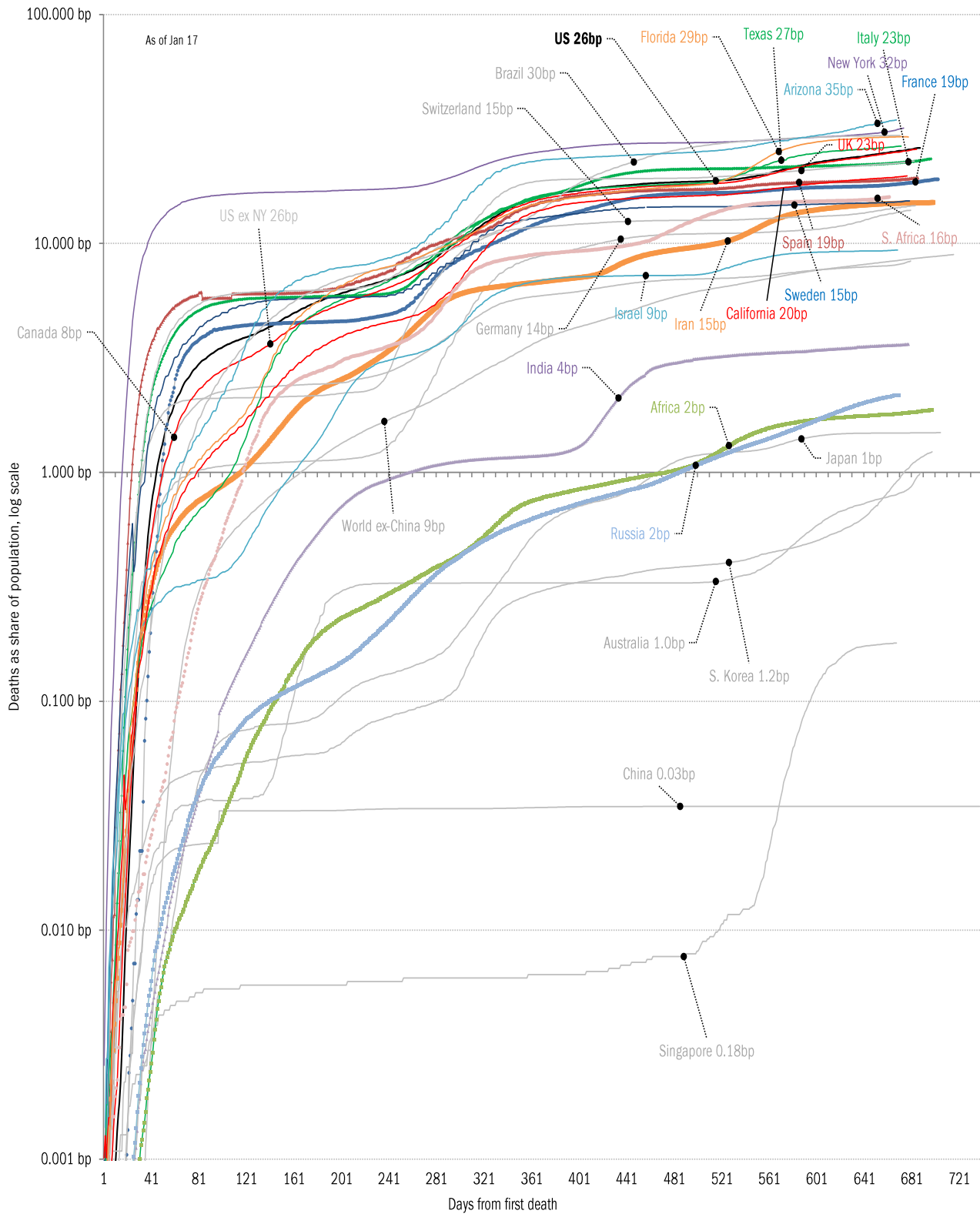
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

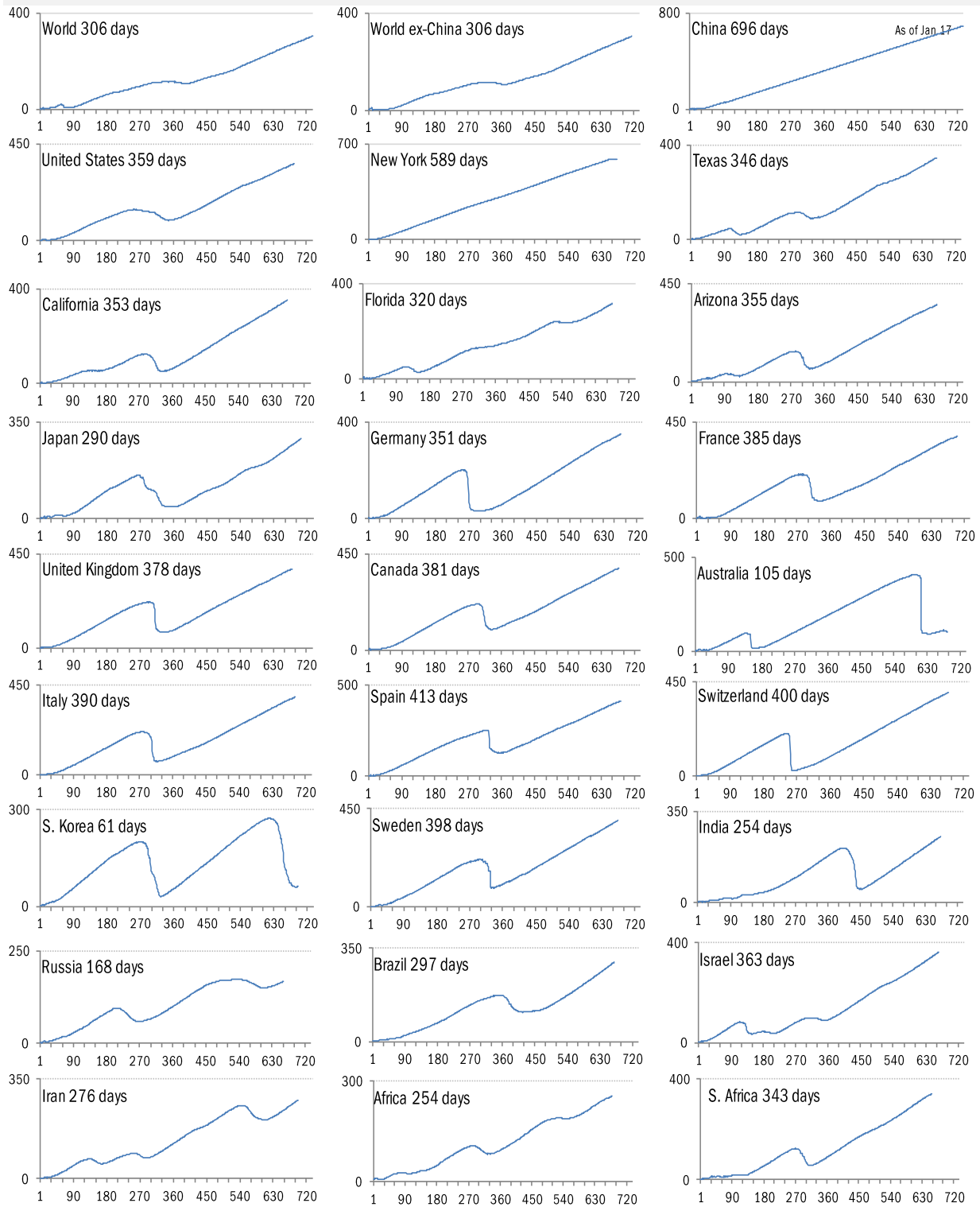


Source: [Johns Hopkins](#), TrendMacro calculations

"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

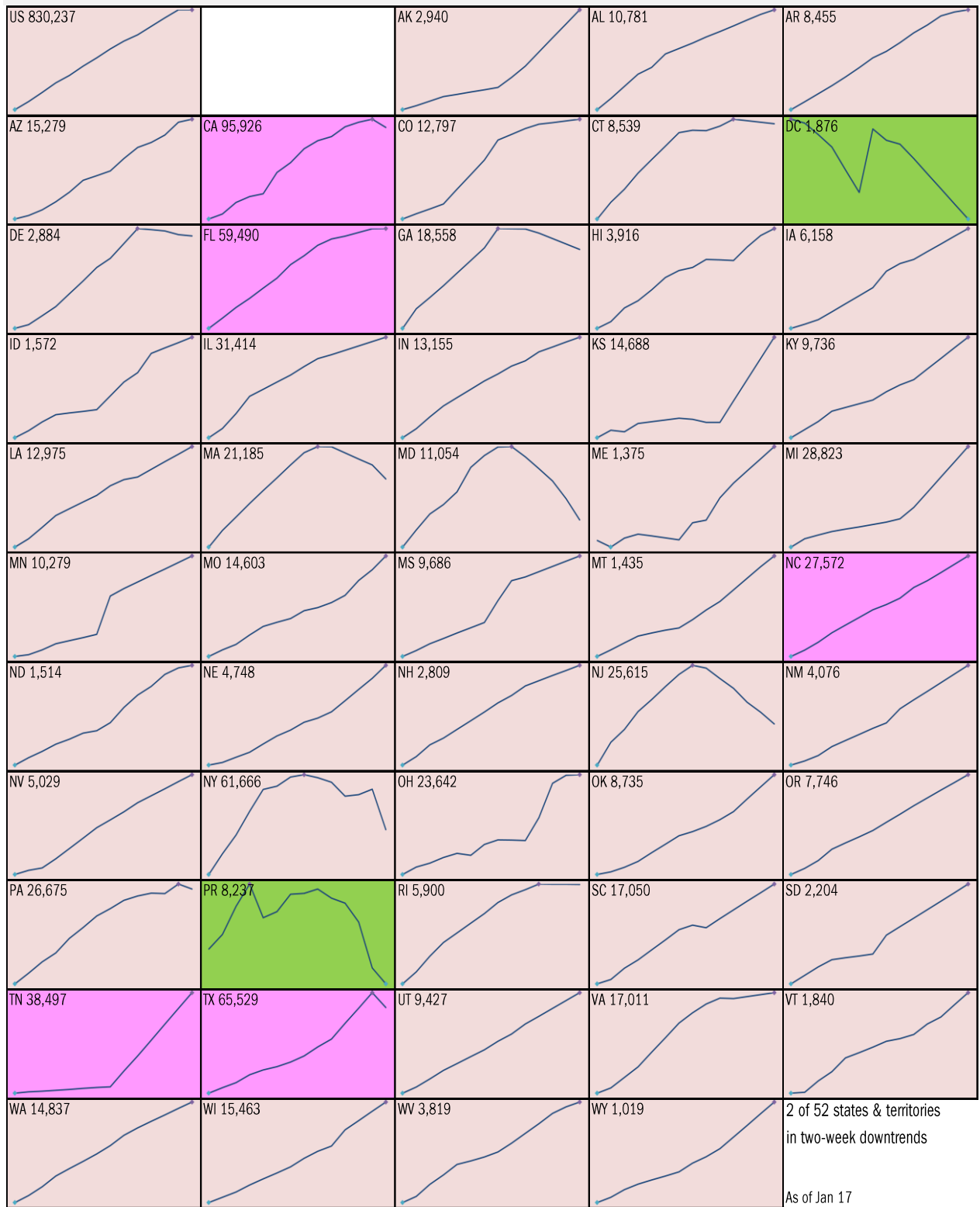


Source: [Johns Hopkins](#), TrendMacro calculations

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

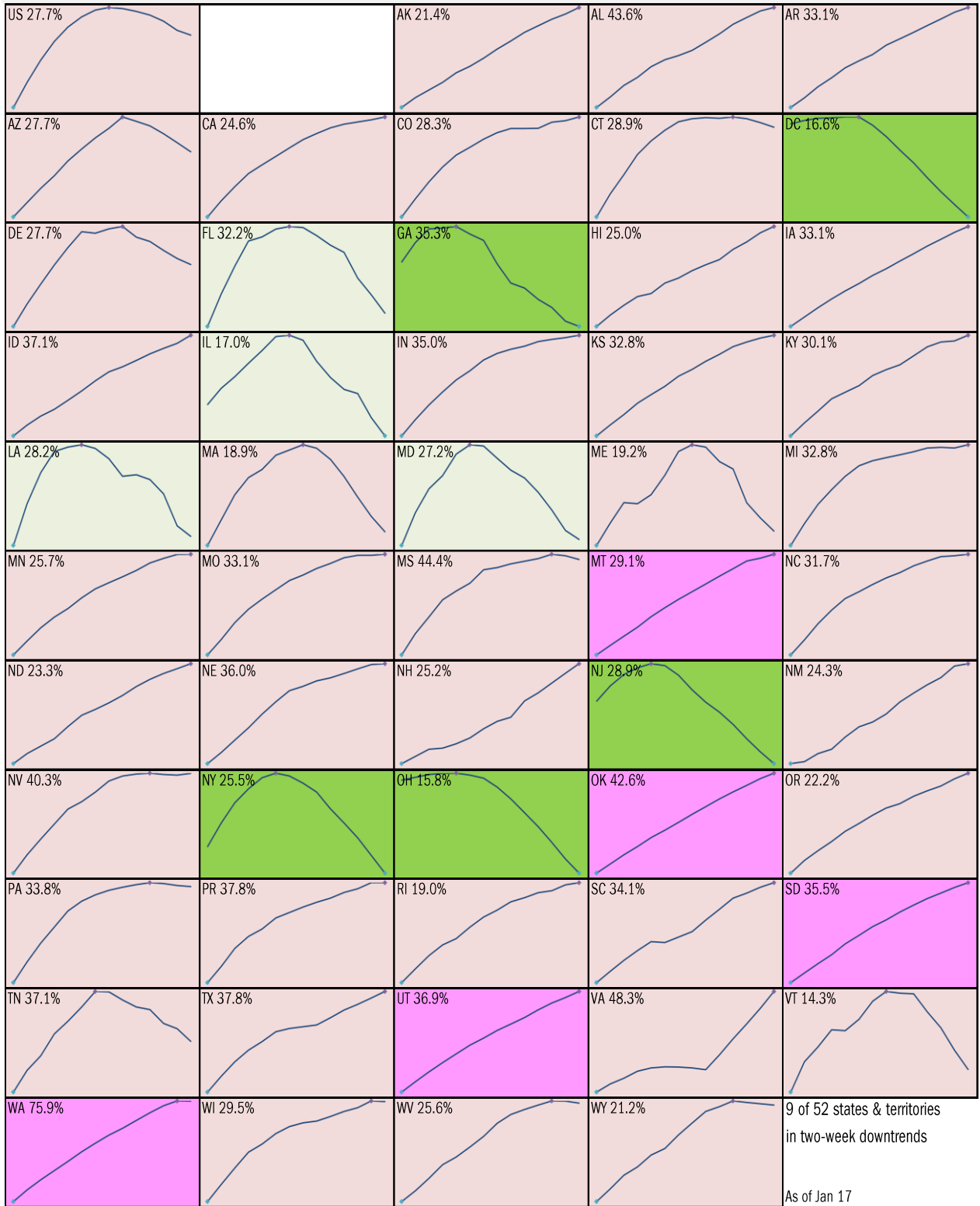


Source: [Johns Hopkins](#), TrendMacro calculations

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

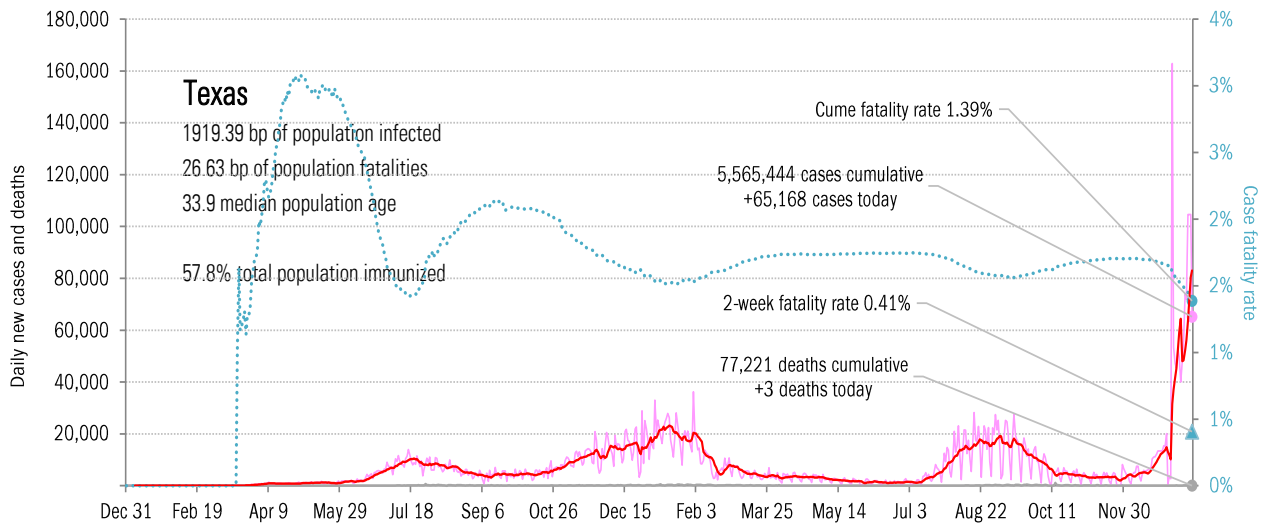
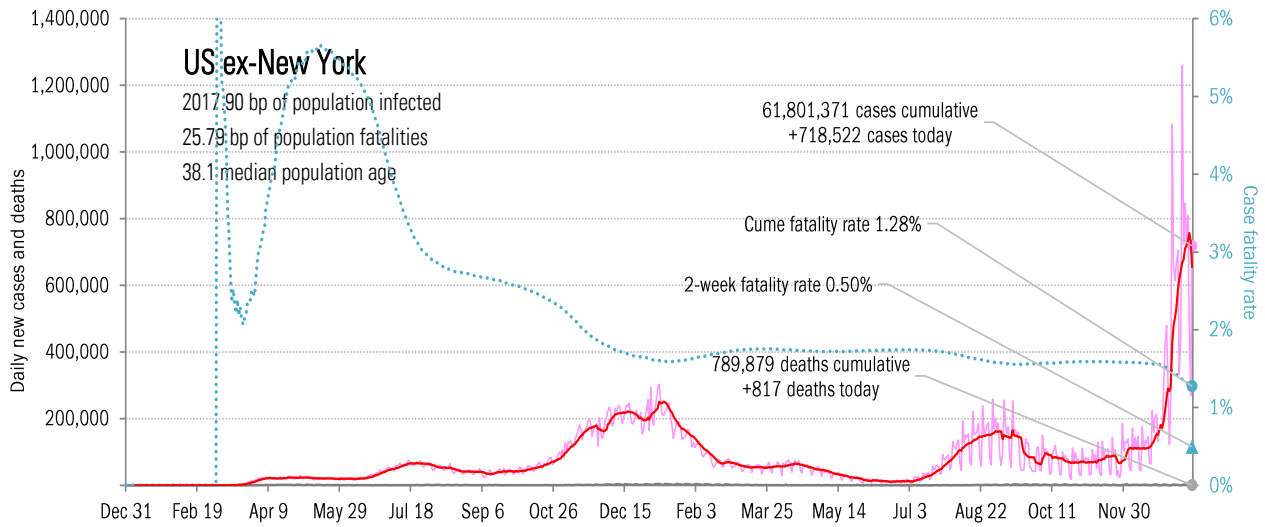
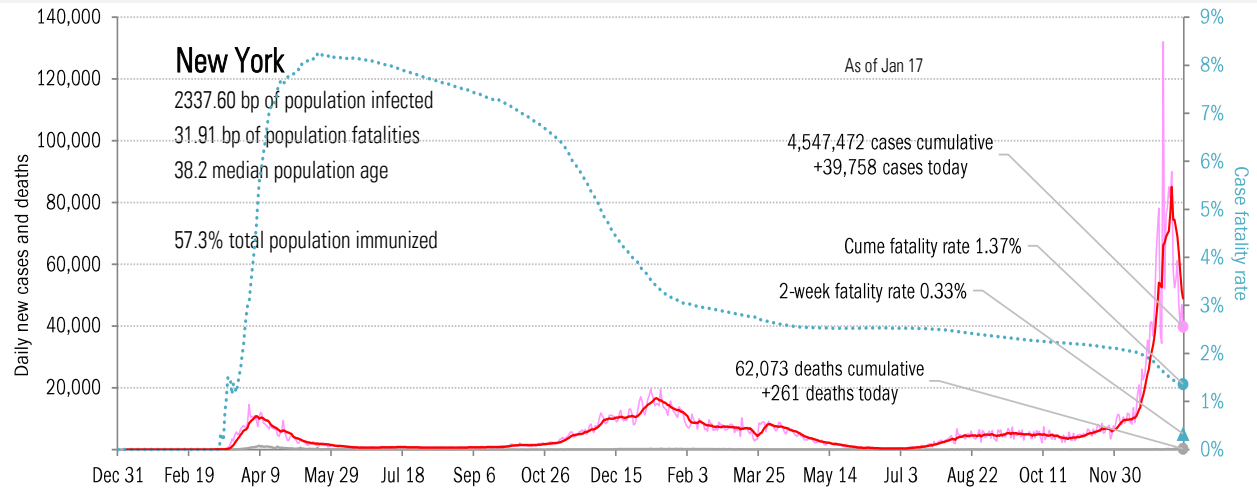
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

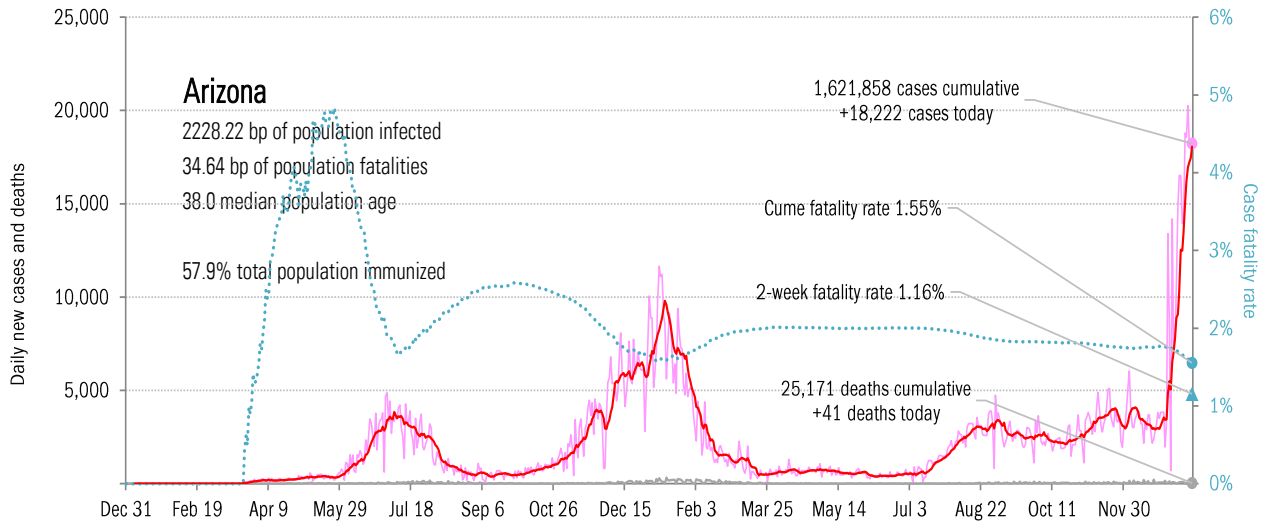
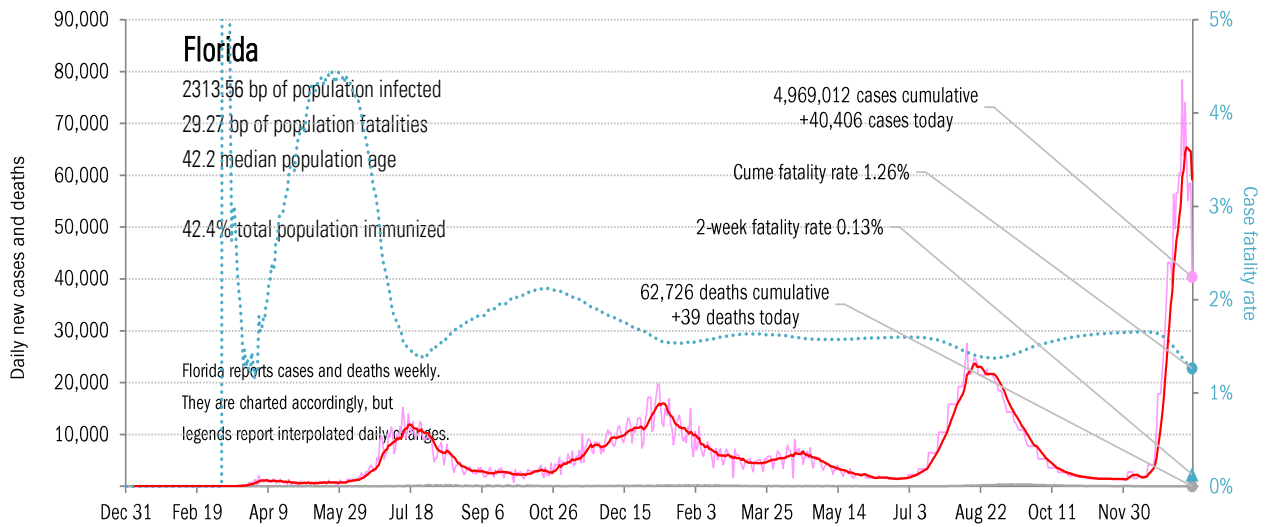
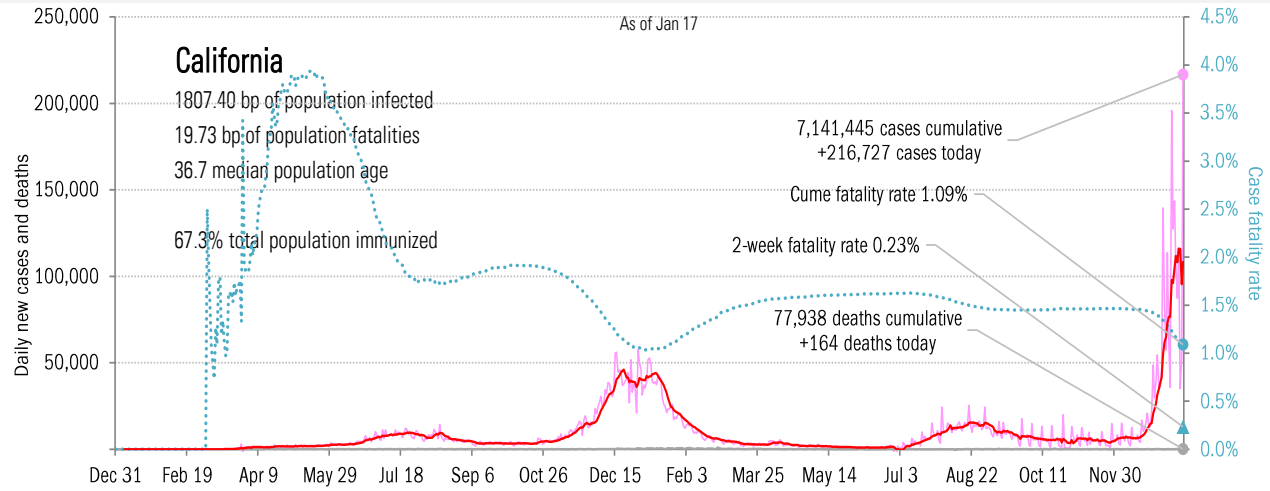
Cases: 7-day average and daily Deaths: Daily



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

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

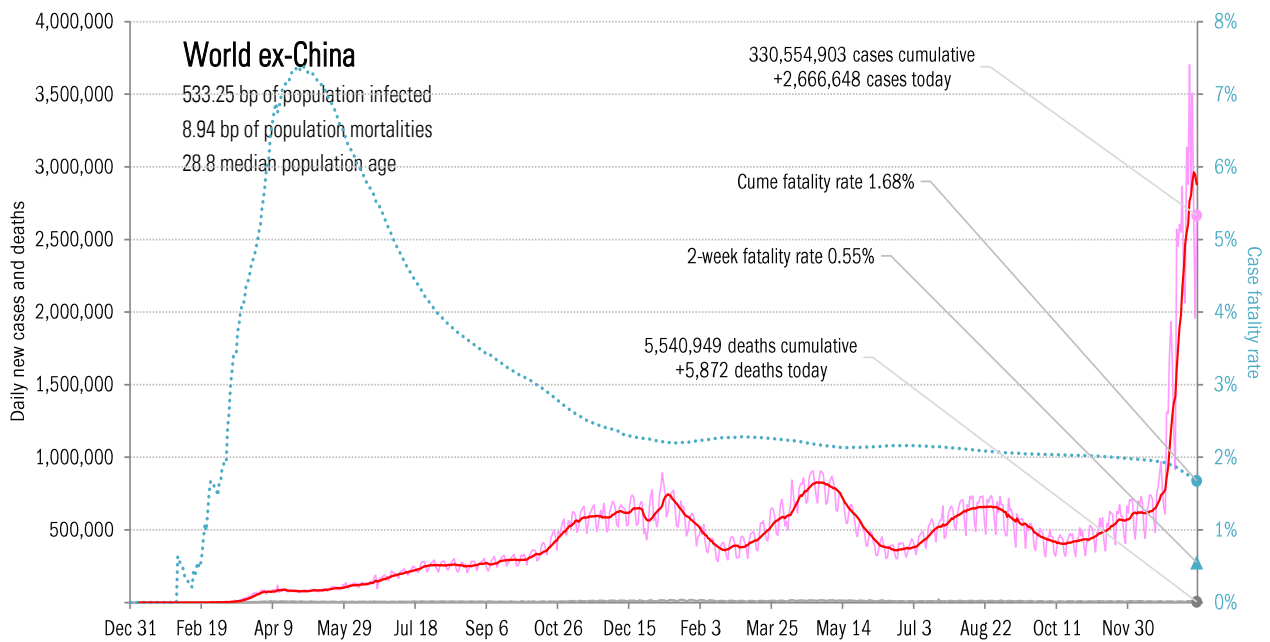
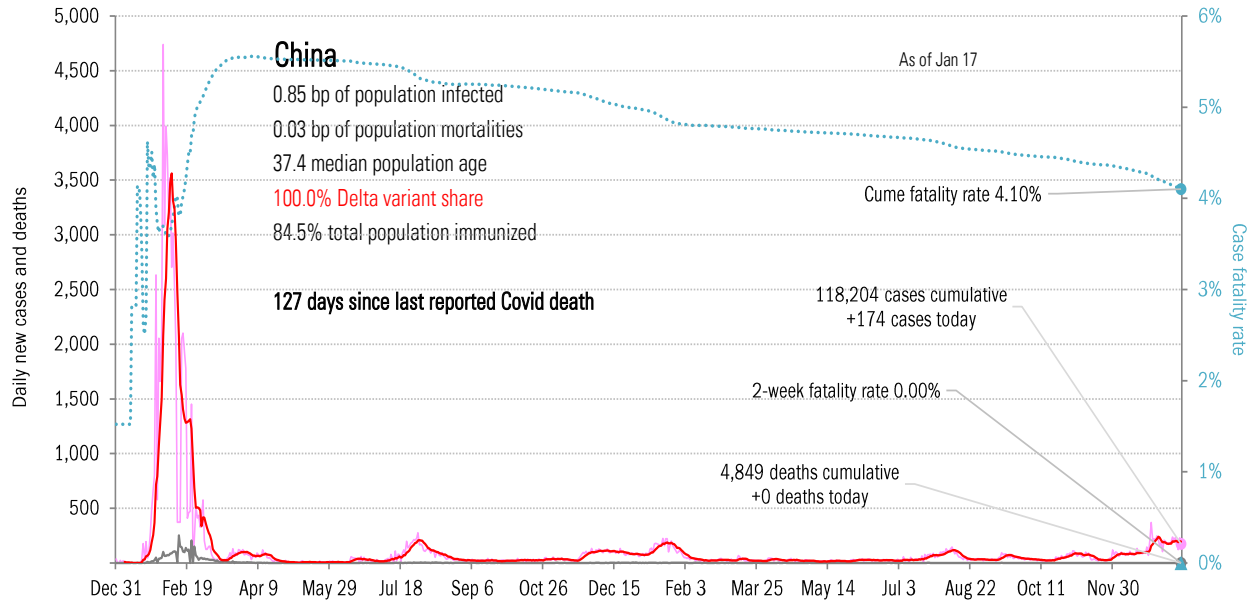
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

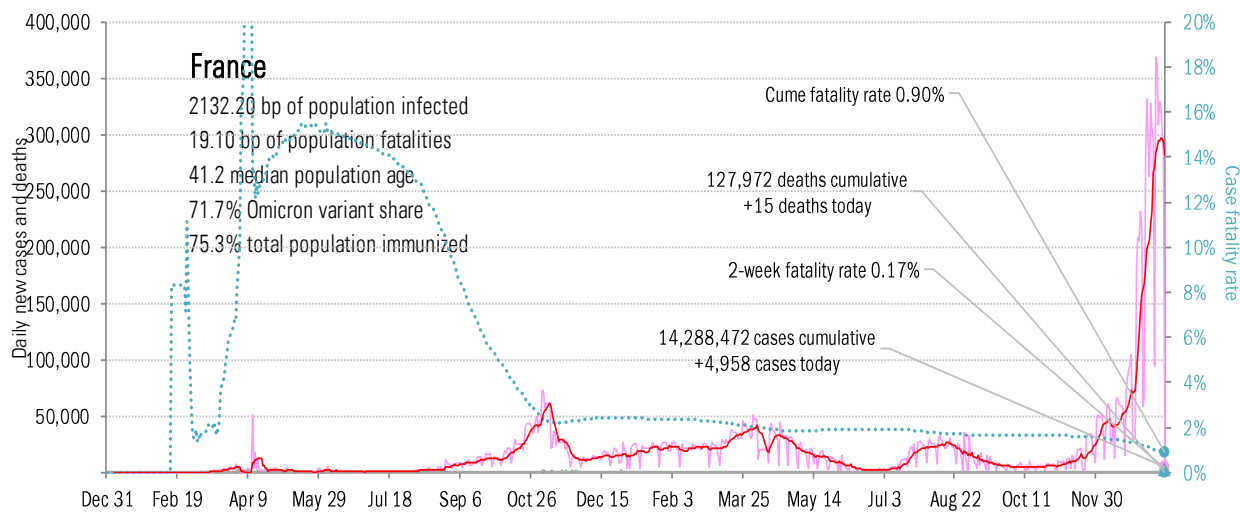
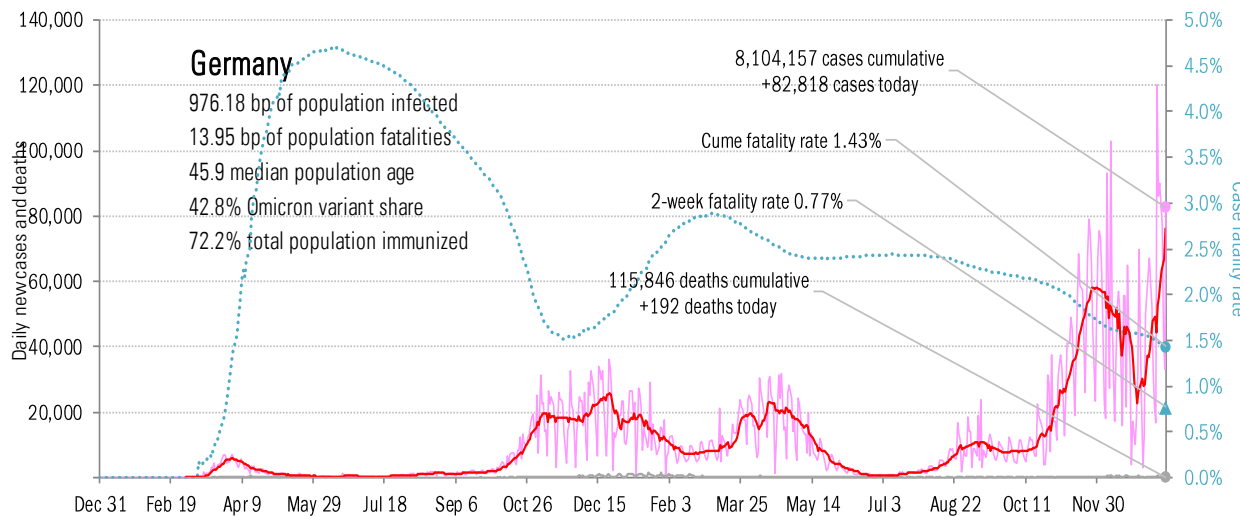
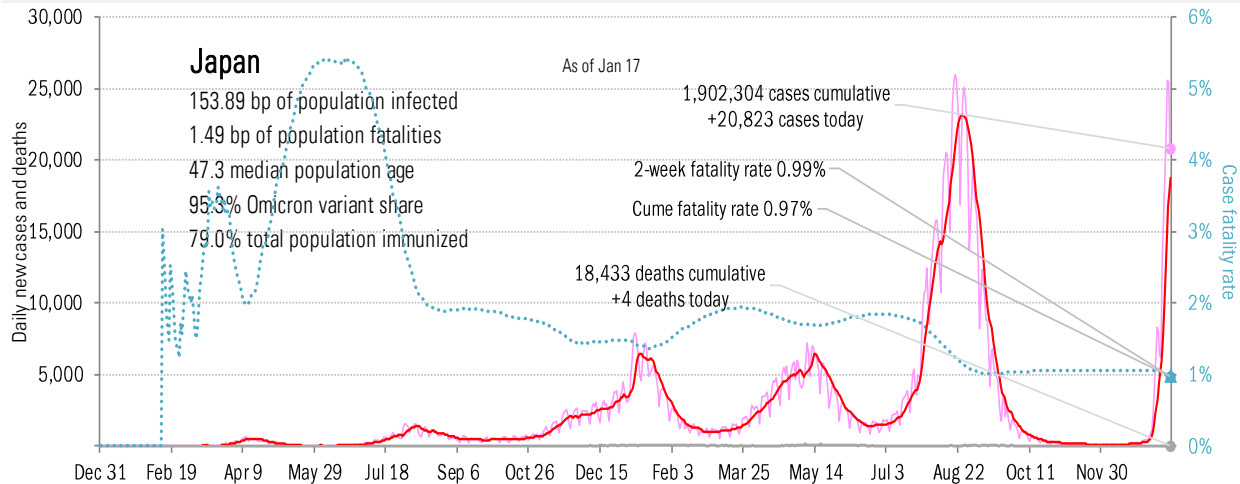
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

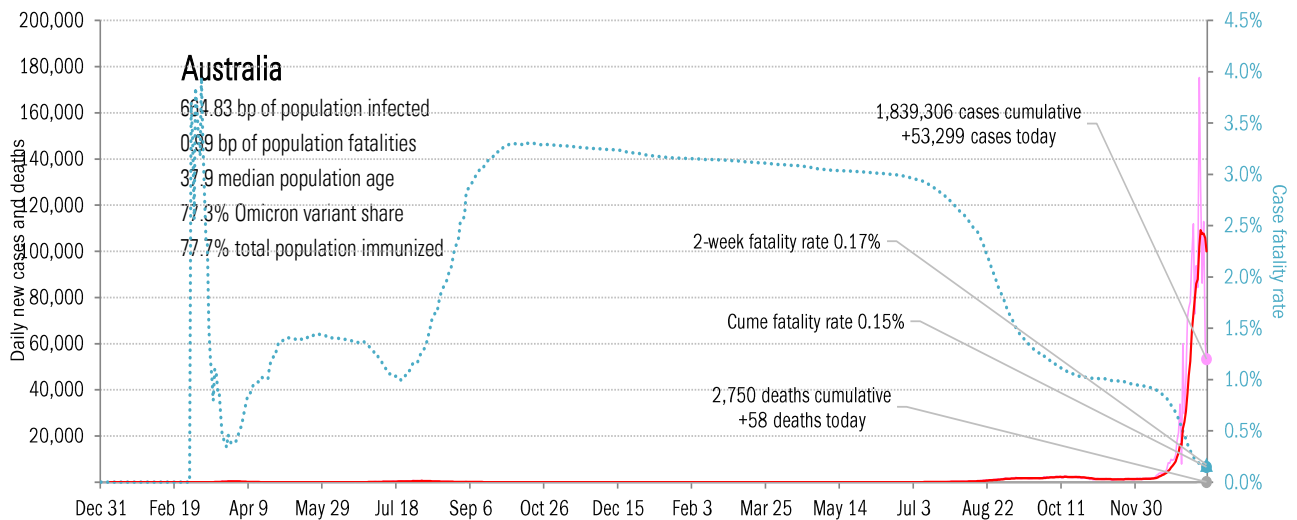
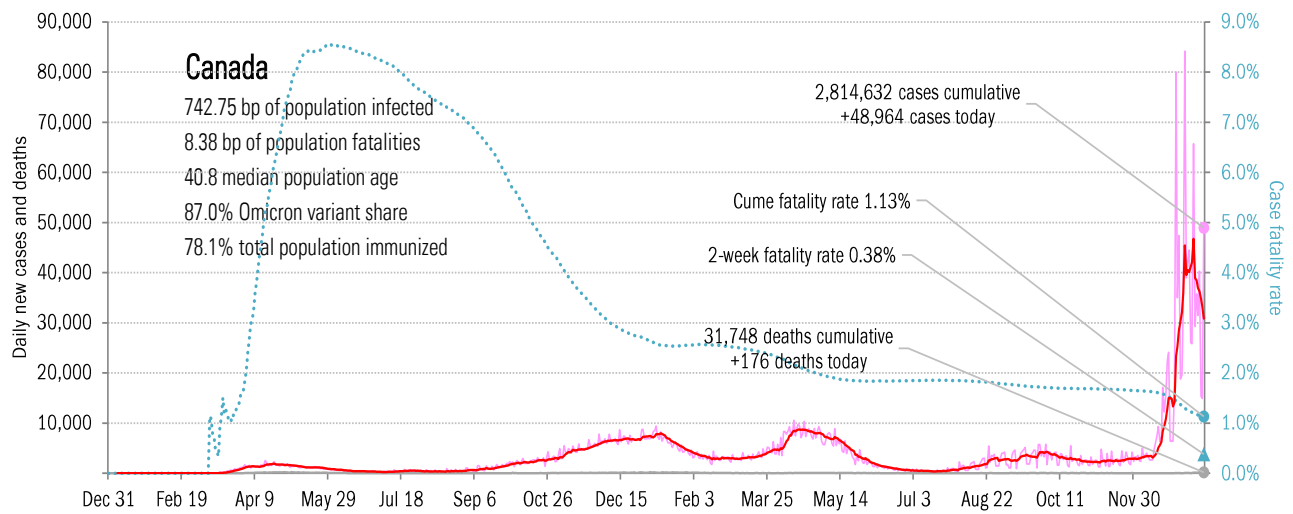
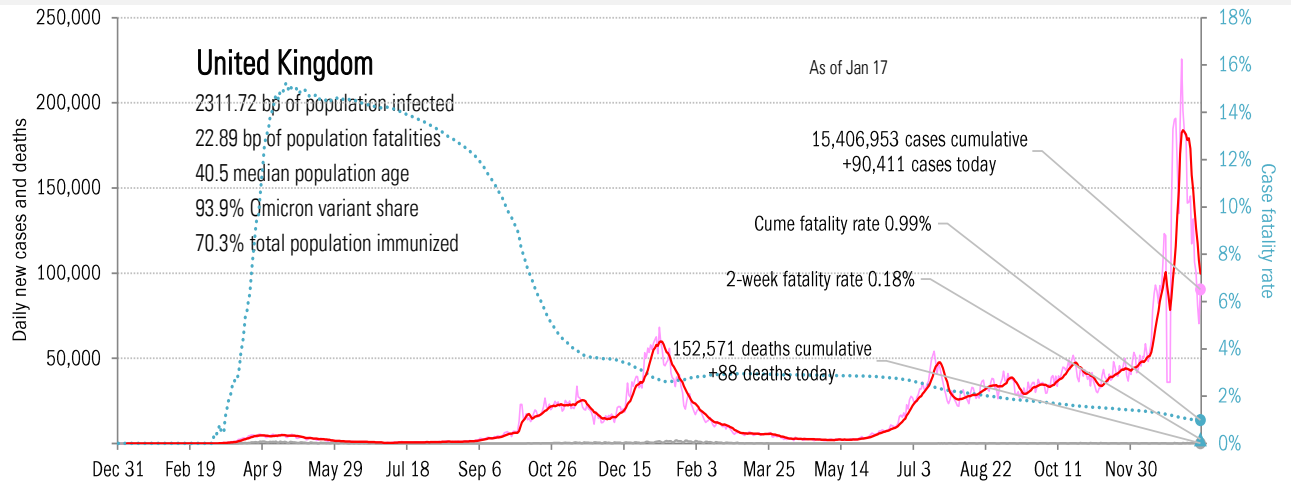
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

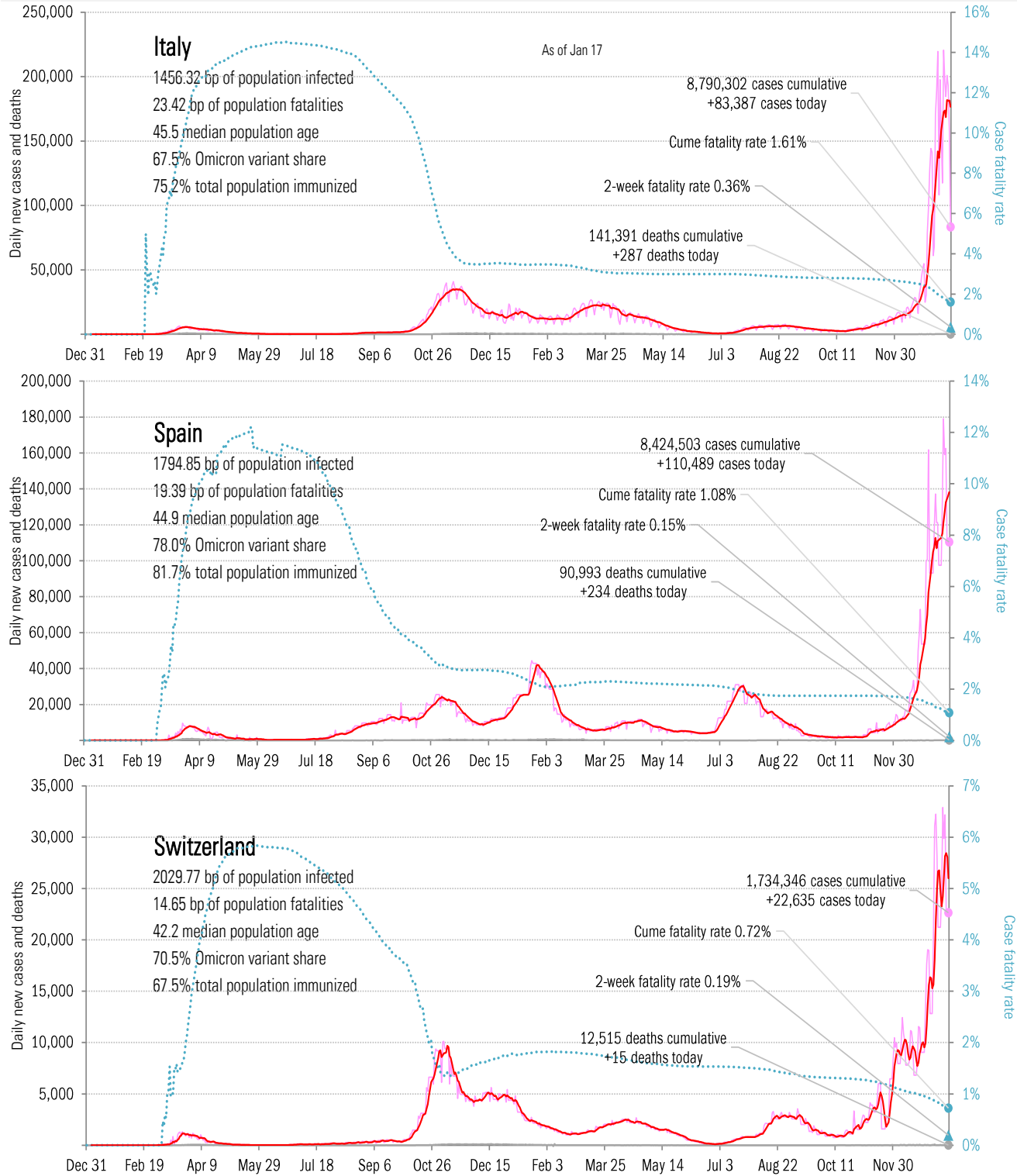
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

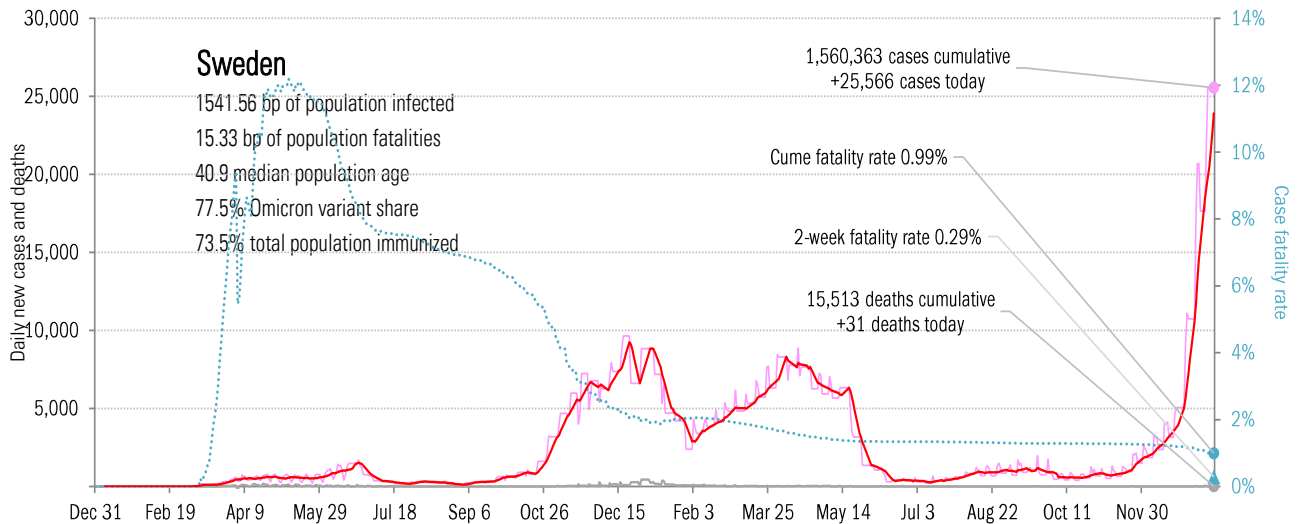
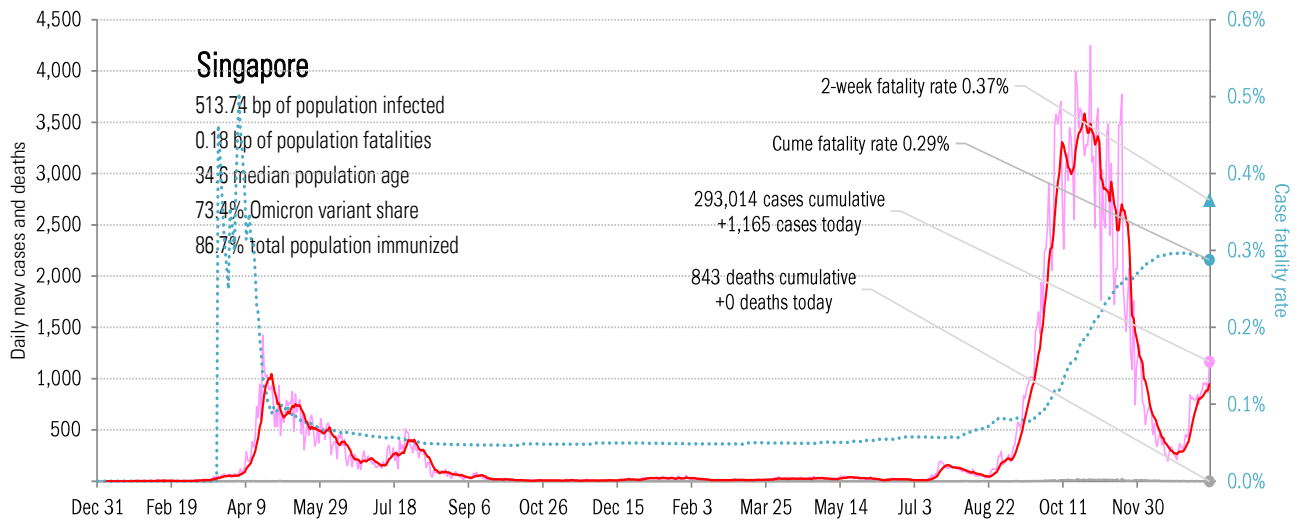
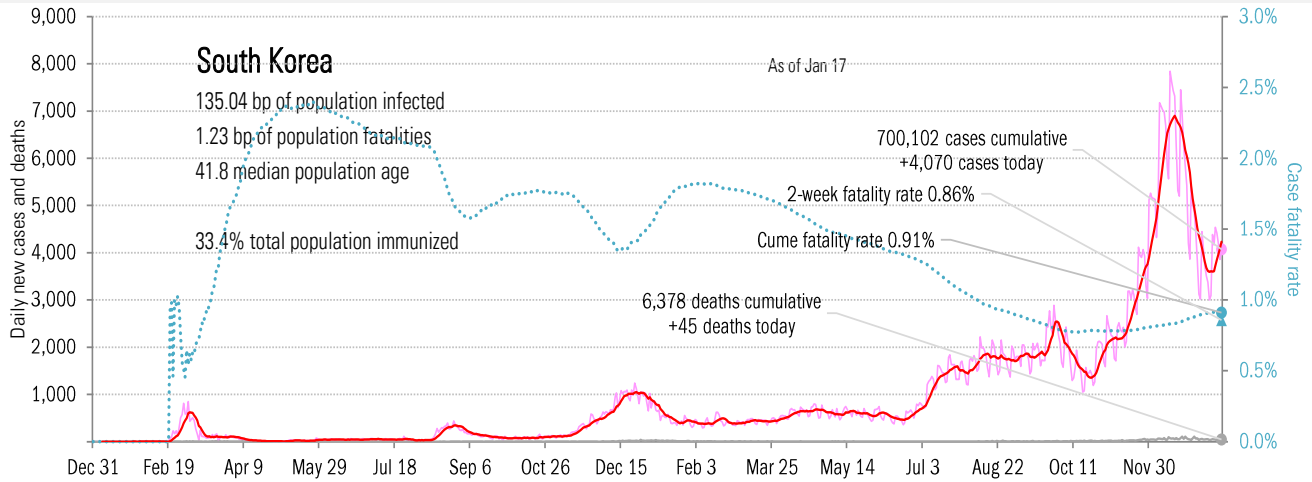
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

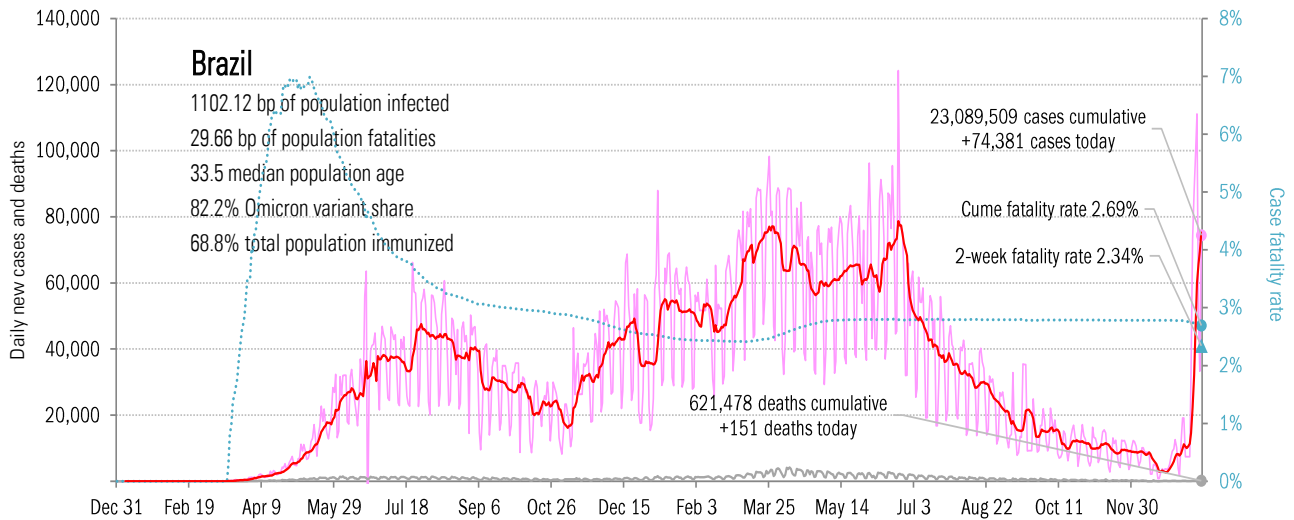
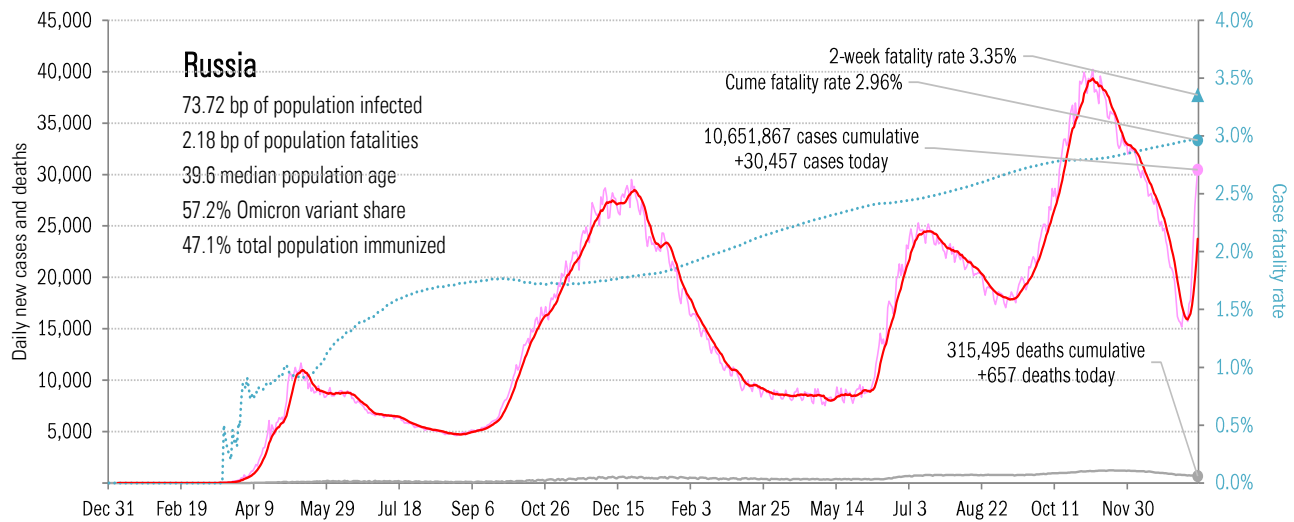
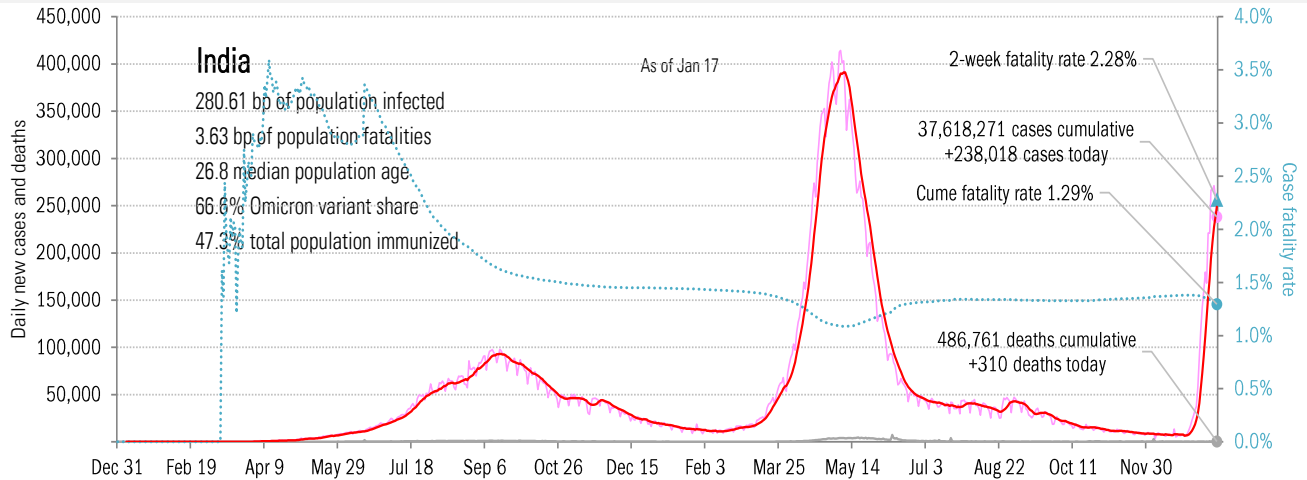
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

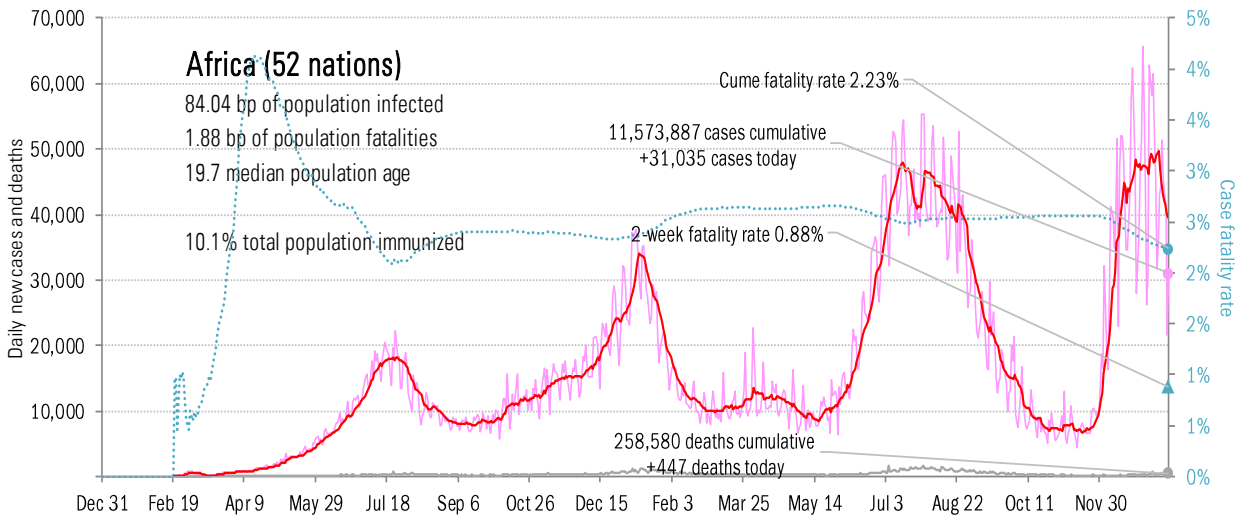
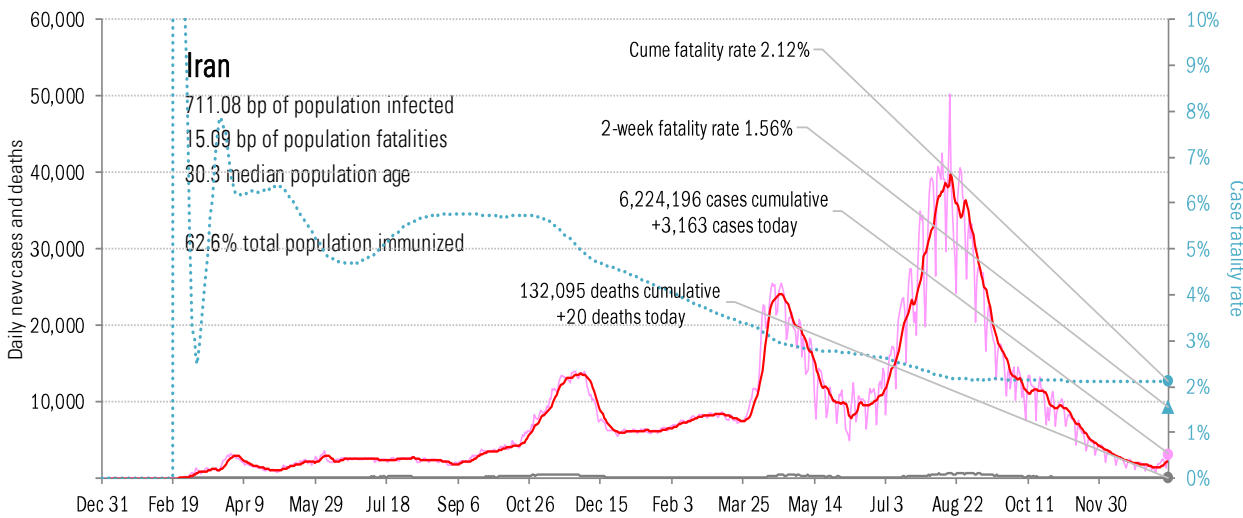
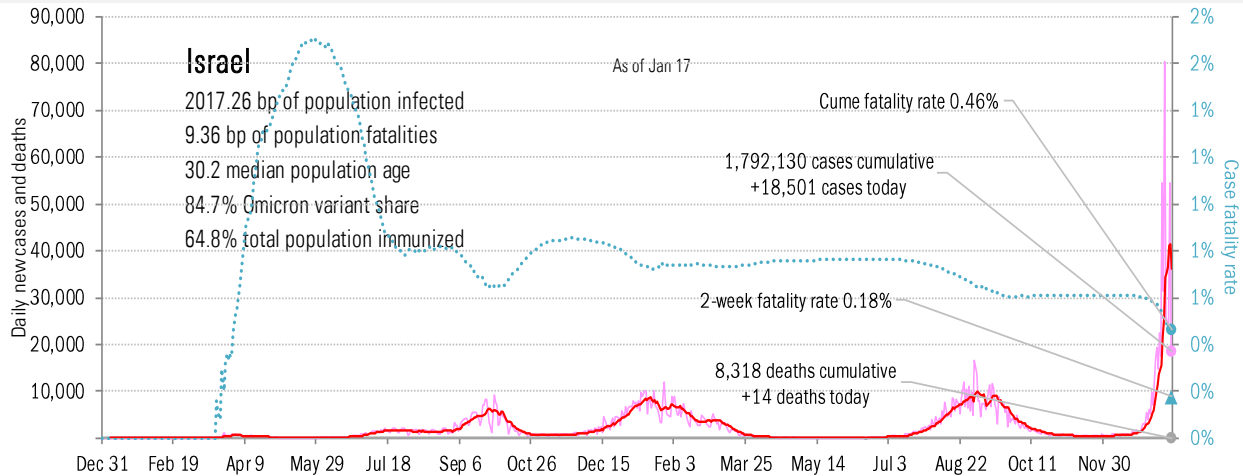
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

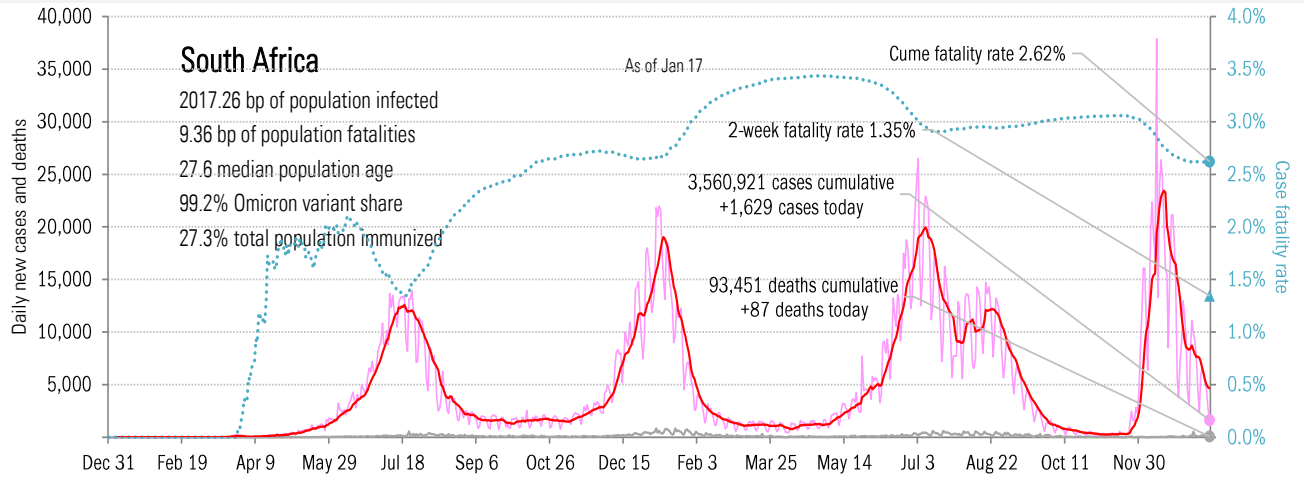
Cases: 7-day average and daily Deaths: Daily



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