

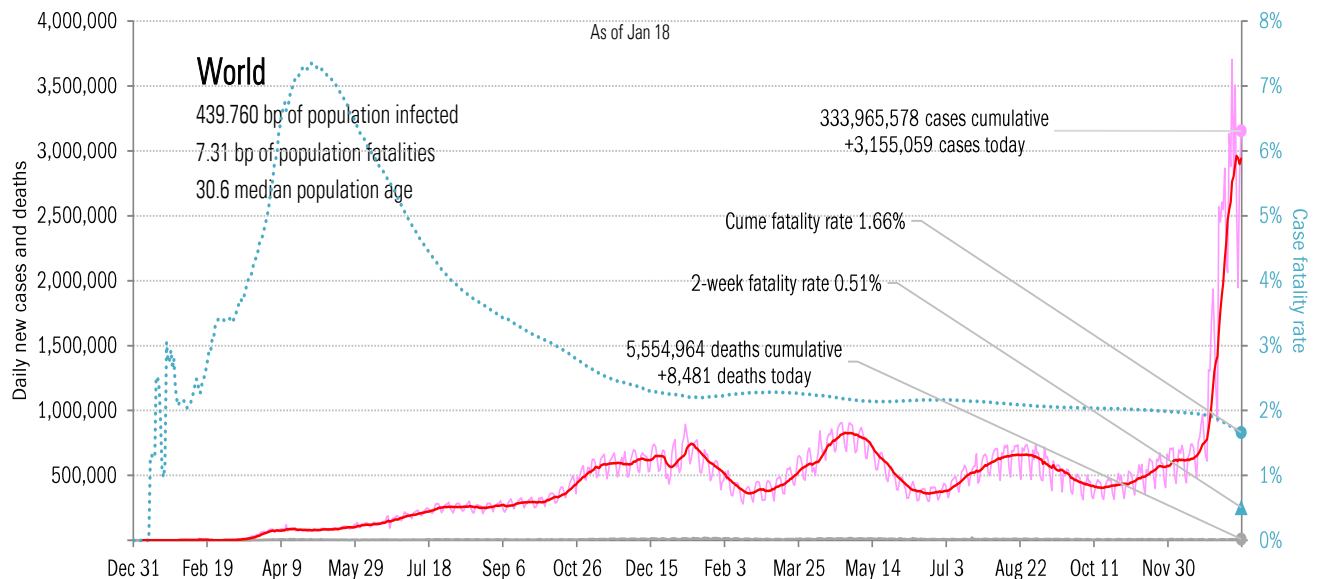
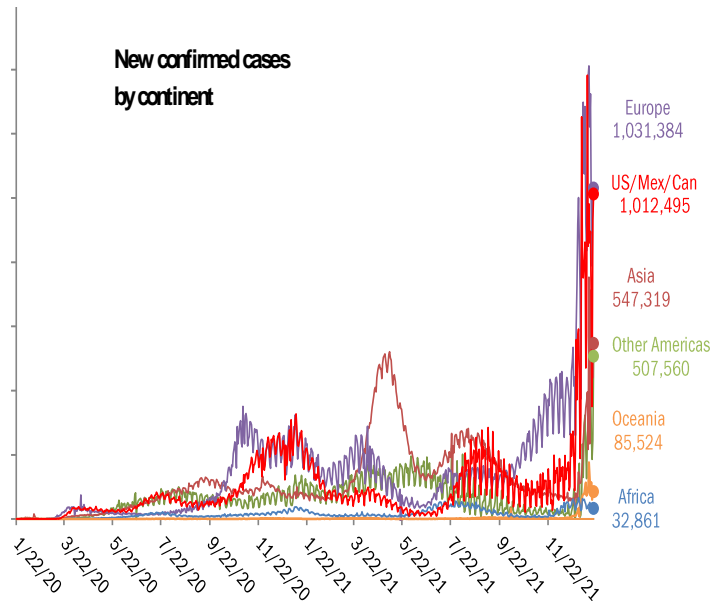
## Data Insights: Covid-2019 Monitor

Wednesday, January 19, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	998,663	United States	1,852
India	282,970	Russia	673
Italy	228,123	India	441
Brazil	140,342	United Kingdom	440
Argentina	120,982	Italy	434
Germany	118,105	Poland	377
Sweden	97,248	France	375
United Kingdom	94,634	Vietnam	363
Spain	94,472	Brazil	325
Australia	84,615	Spain	284
<b>2,260,154</b>		<b>5,564</b>	
World	3,155,059	World	8,481
Top ten	72%	Top ten	68%



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

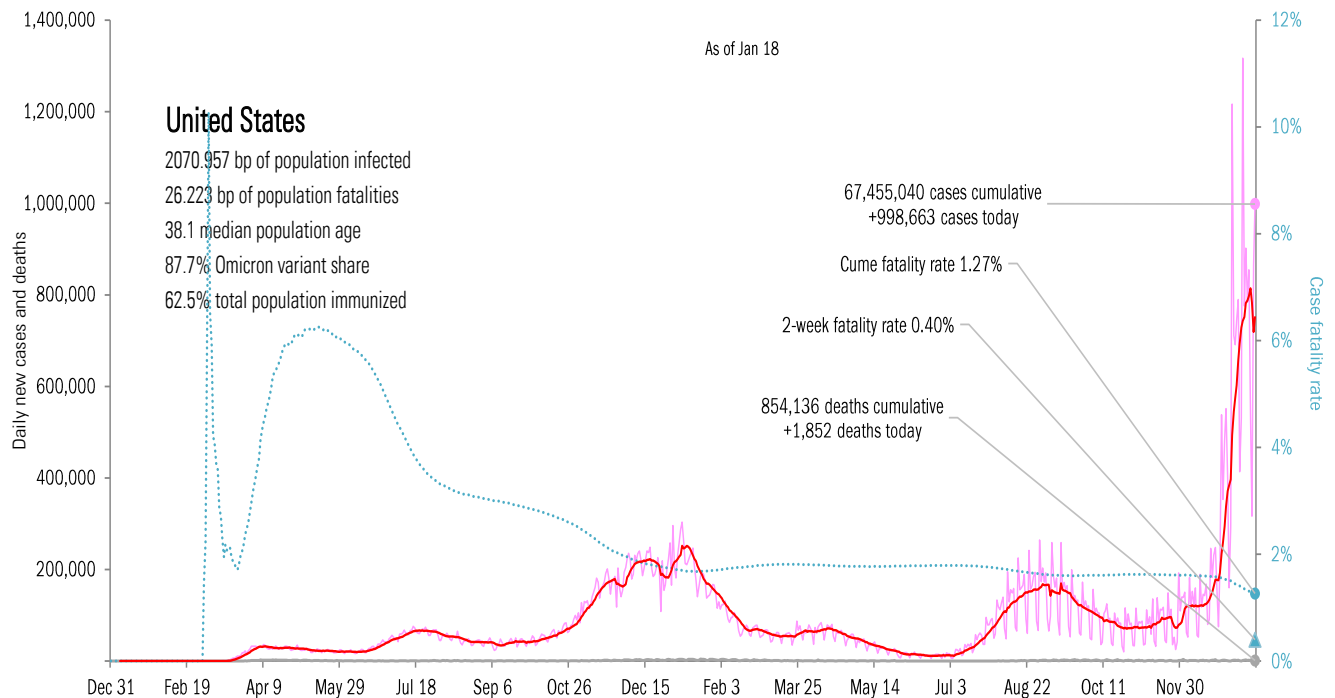
## The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
NC	119,101		NY	334	OK	44	CA	7,216,335	CA	78,013	TX	433,236	NV	89%	RI	96%					
IL	93,343		IL	251	UT	21	TX	5,623,930	TX	77,362	FL	369,569	DE	89%	TX	94%					
CA	73,017		AZ	183	CR	20	FL	5,018,549	FL	62,682	CA	366,551	GA	88%	NV	93%					
SC	72,445		TX	141	KY	19	NY	4,571,356	NY	62,407	NY	220,075	RI	87%	AL	92%					
WA	64,166		CK	113	FR	16	IL	2,682,983	PA	38,655	GA	184,556	WA	85%	GA	90%					
MA	60,994		SC	101	AR	14	PA	2,490,929	GA	32,030	CH	171,650	MA	84%	NH	90%					
FL	49,537		NC	97	RI	8	CH	2,418,722	IL	31,783	PA	158,045	MD	84%	KY	89%					
UT	39,882		KY	96	SD	8	GA	2,160,539	CH	31,245	IL	141,262	FL	83%	IN	89%					
KY	39,357		IN	77	VT	5	NC	2,130,403	MI	30,709	MI	127,038	MN	83%	CK	88%					
LA	29,125		CA	75	MN	4	NJ	2,014,702	NJ	30,170	KY	126,009	PA	82%	NM	87%					
640,967			1,468			159			36,328,448			475,056			2,297,991						
All states 998,663			1,852			-4,242			All states 67,455,040			854,136			4,143,637			All states 70%		67%	
Top ten 64%			79%			-4%			Top ten 54%			56%			55%			Median 78%		81%	

Some states not reporting

## Five most improved US states

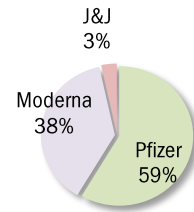
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-145,583	NJ	-519	NY	-871	WY	+10 bp
TX	-106,448	FL	-266	CA	-637	AL	+10 bp
WI	-63,648	CA	-89	FL	-598	TN	+10 bp
VA	-35,490	CO	-40	TX	-473	IN	+10 bp
AZ	-30,830	GA	-36	PA	-468	ND	+10 bp



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	542,750,039	+0.796 million	US	62.5%	74.9%
Boosters	82,180,881	+0.457 million	UK	70.3%	76.4%
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>
Total population	255,428,640	76%	214,473,409	64%	+0.106 million
Age 12 to 17	15,654,650	66%	13,077,259	55%	+0.012 million
Age 18 to 64	172,498,884	85%	145,259,562	71%	+0.055 million
Age 65 and over	58,172,277	100%	49,872,727	91%	+0.006 million



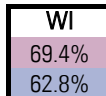
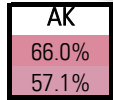
State
At least partial immunity as % population
Full immunity as % population



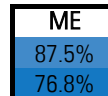
Every American >18 immunized in **714 days** by Jan 3, 2024  
 75.6% of population >18 immunized  
 23.8% previously tested positive  
**99.3%** vs 60% adult herd immunity

France	75.3%	79.3%
Spain	81.7%	86.5%
Germany	72.2%	74.5%
Italy	75.2%	82.0%
Australia	77.7%	81.5%
Israel	64.8%	71.8%
Canada	78.1%	84.4%
Japan	79.0%	80.3%
Africa	10.1%	15.5%
India	47.3%	65.5%
Brazil	68.8%	78.2%
China	84.5%	87.5%

Global data differs due to sources, timing

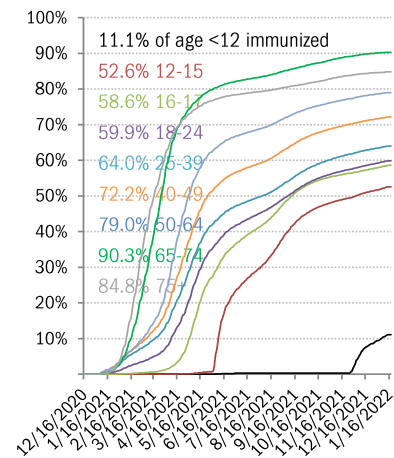
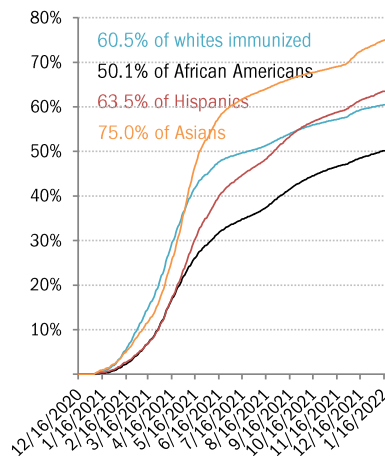
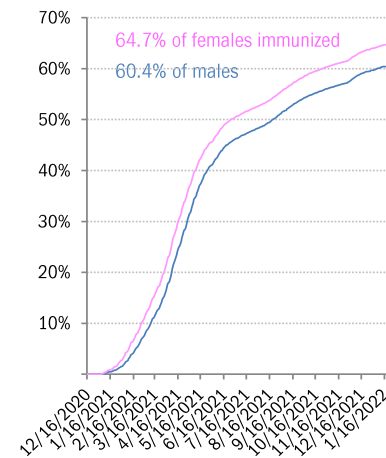


As of Jan 19



WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
76.9%	52.9%	62.8%	63.1%	72.5%	74.3%	64.6%	86.4%	91.0%	95.0%	
68.8%	46.7%	54.5%	53.3%	66.3%	65.3%	57.6%	73.1%	78.6%	68.1%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
75.2%	71.5%	56.8%	72.5%	65.8%	59.1%	61.6%	80.7%	86.1%	93.3%	
67.3%	57.5%	48.2%	58.0%	59.7%	52.7%	56.1%	65.0%	71.7%	75.7%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
85.0%	68.5%	75.9%	67.4%	63.6%	63.6%	62.8%	80.8%	82.4%	91.3%	92.1%
67.4%	59.8%	67.2%	60.6%	53.7%	55.0%	55.6%	69.0%	71.7%	75.8%	77.9%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
68.9%	82.6%	70.8%	64.0%	59.7%	79.2%	64.3%	91.3%	78.4%		
58.0%	67.3%	57.9%	52.0%	52.0%	57.6%	53.9%	68.8%	65.1%		
OK	LA	MS	AL	GA						
67.8%	58.5%	56.9%	59.7%	62.3%						
54.3%	51.0%	49.1%	48.4%	51.8%						
TX										
68.4%										
57.9%										
HI							FL		PR	
84.1%							76.0%		90.7%	
74.7%							64.2%		78.0%	

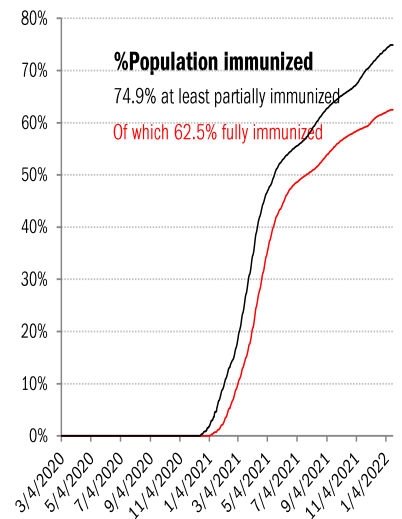
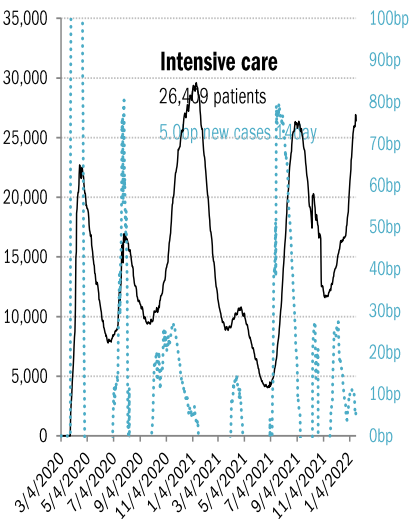
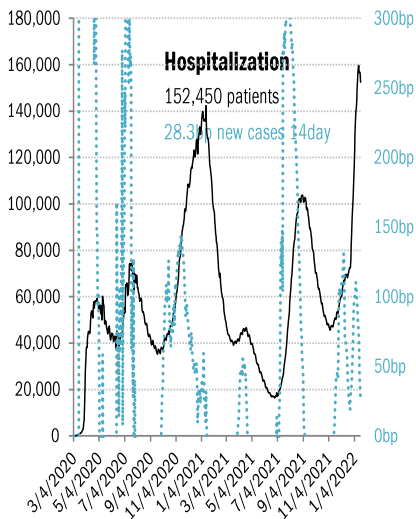
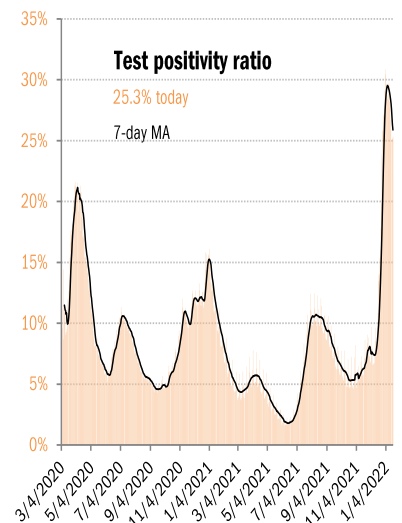
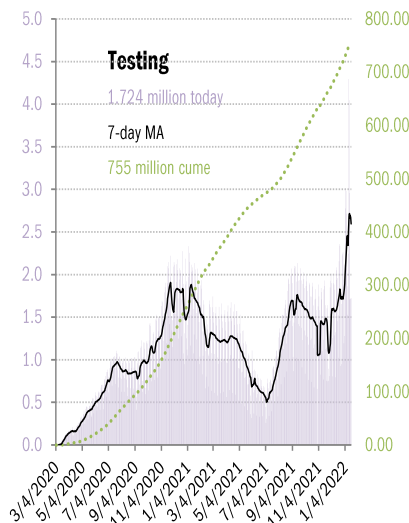
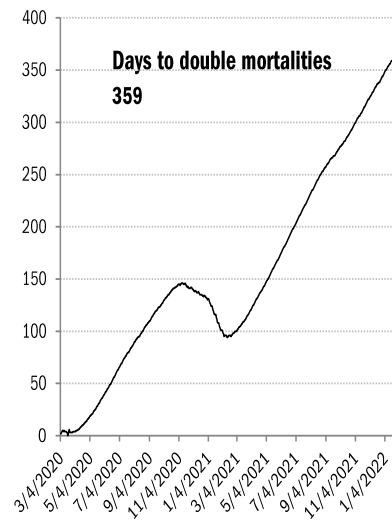
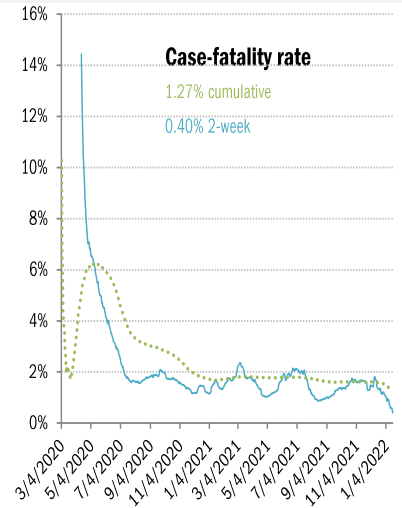
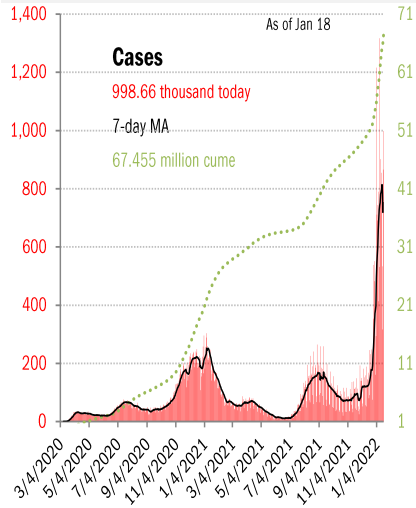
## The demographics of US vaccination



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

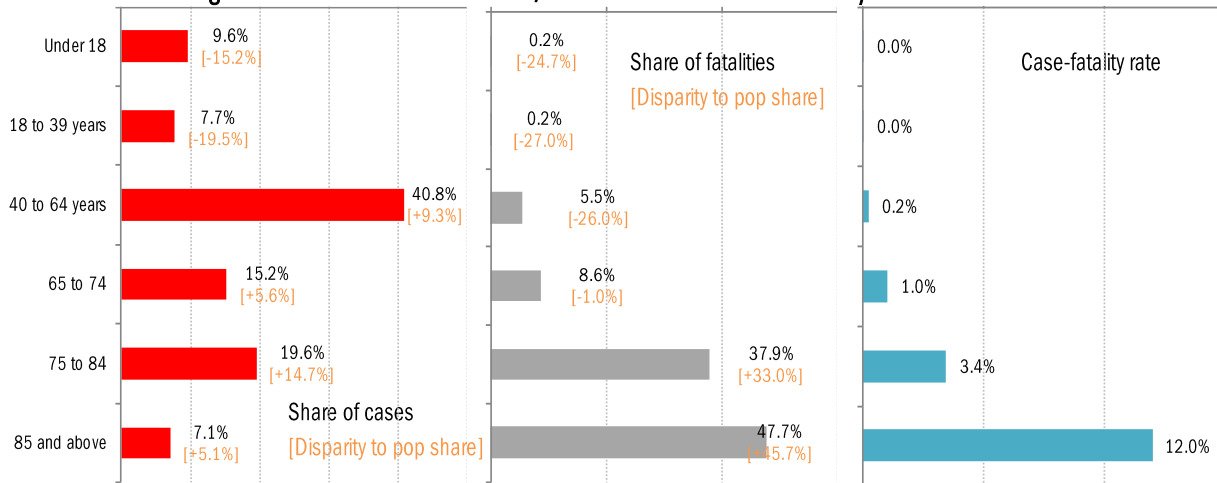
# US deep-dive

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

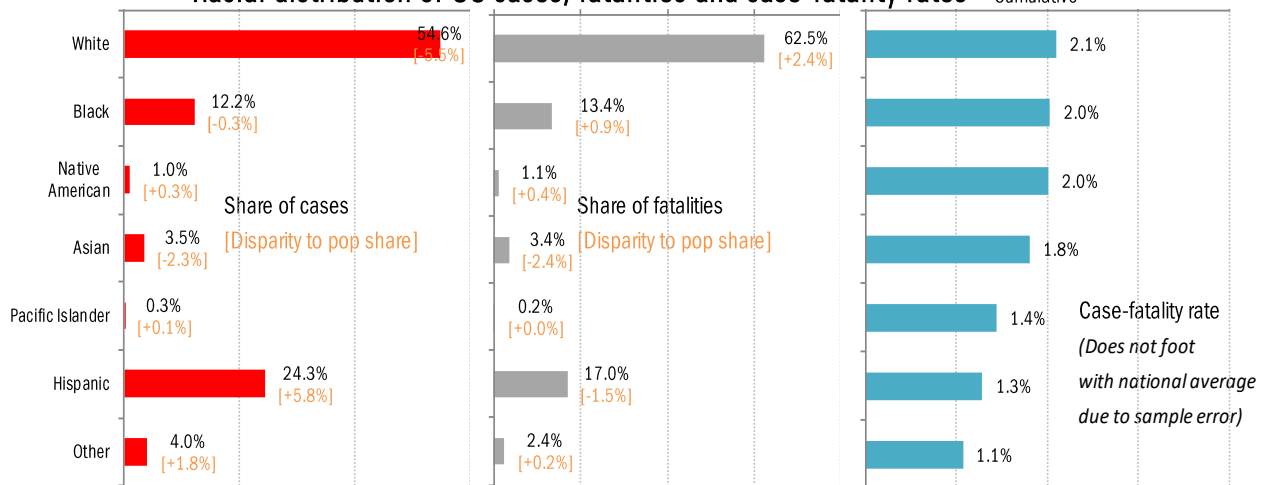


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

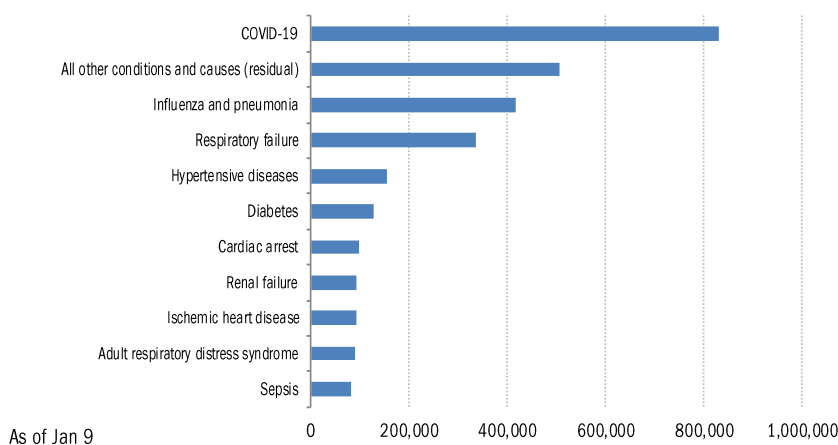


Racial distribution of US cases, fatalities and case-fatality rates



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

[FBI Letter Shows Pfizer Tied to Investigation of Project Veritas](#)

*Judicial Watch*  
January 18, 2022

[Rand Paul asks if YouTube will 'kiss my .... and apologize' as the CDC revises cloth mask guidance months after he was suspended from the site for claiming they don't work](#)

Melissa Koenig  
*Daily Mail*  
January 16, 2022

[CDC Director Aims to Improve Covid-19 Messaging, Data Collection](#)

Sarah Toy  
*Wall Street Journal*  
January 18, 2022

[U.S. Political Party Preferences Shifted Greatly During 2021](#)

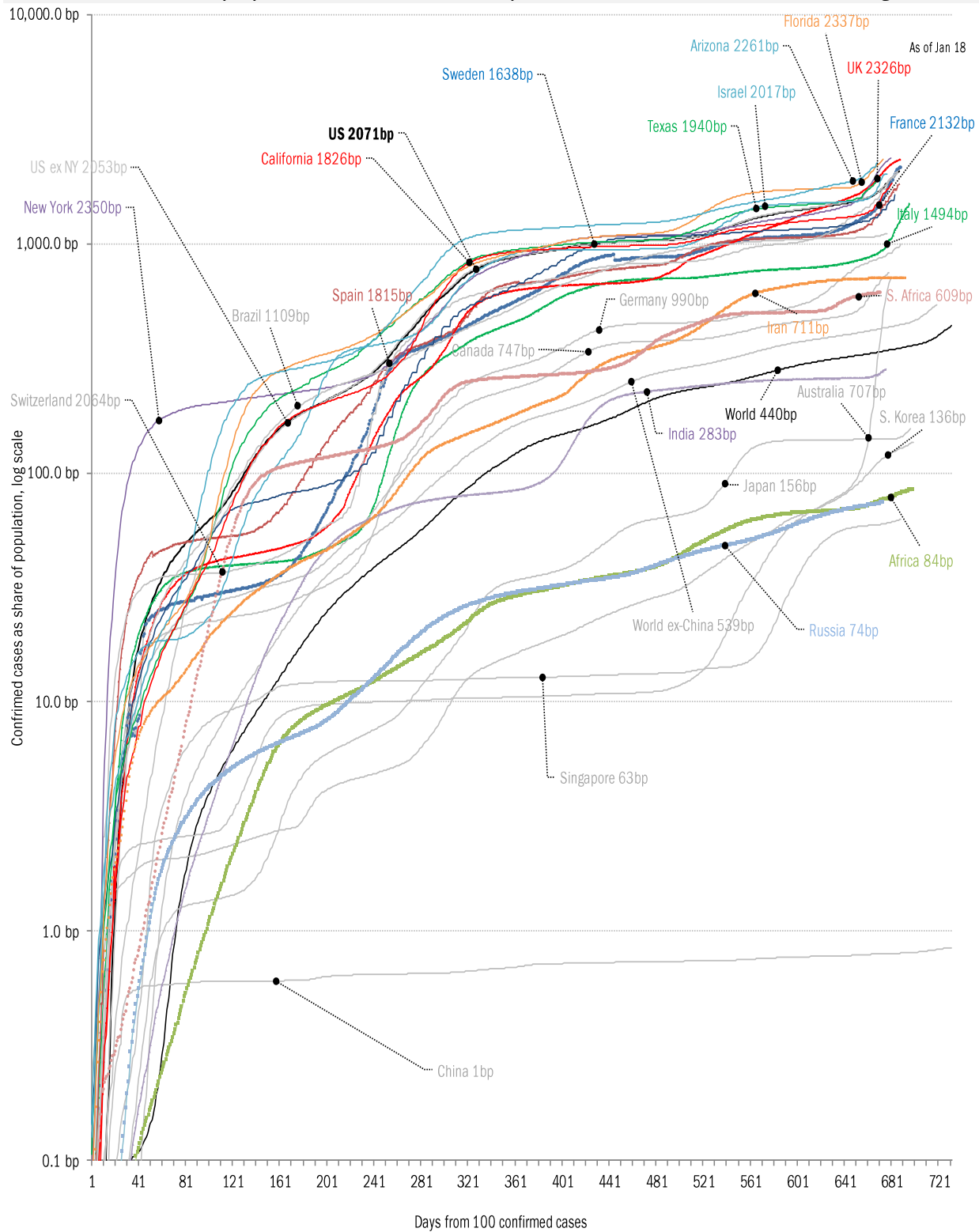
Jeffrey M. Jones  
*Gallup*  
January 17, 2022

## Meme of the day



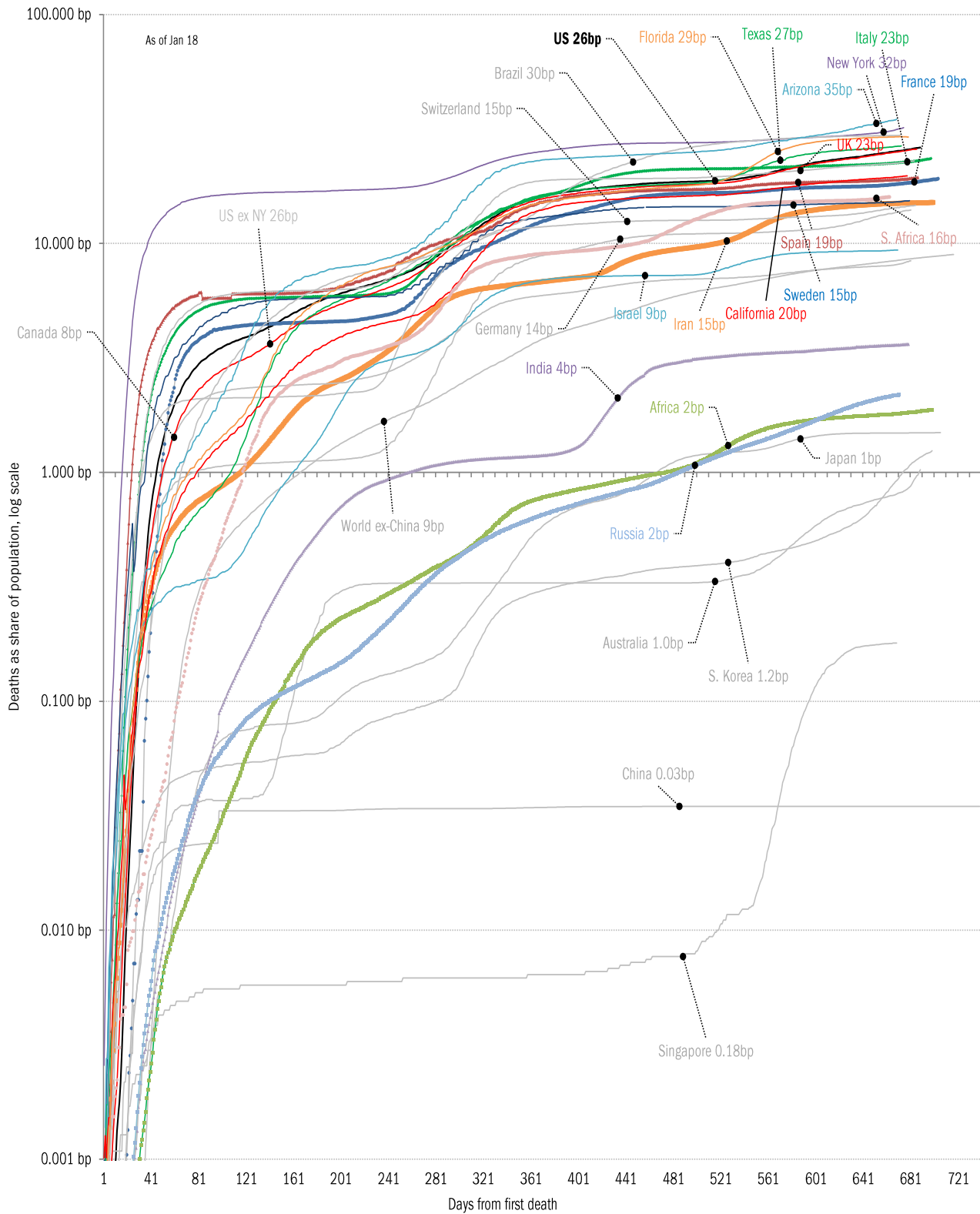
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



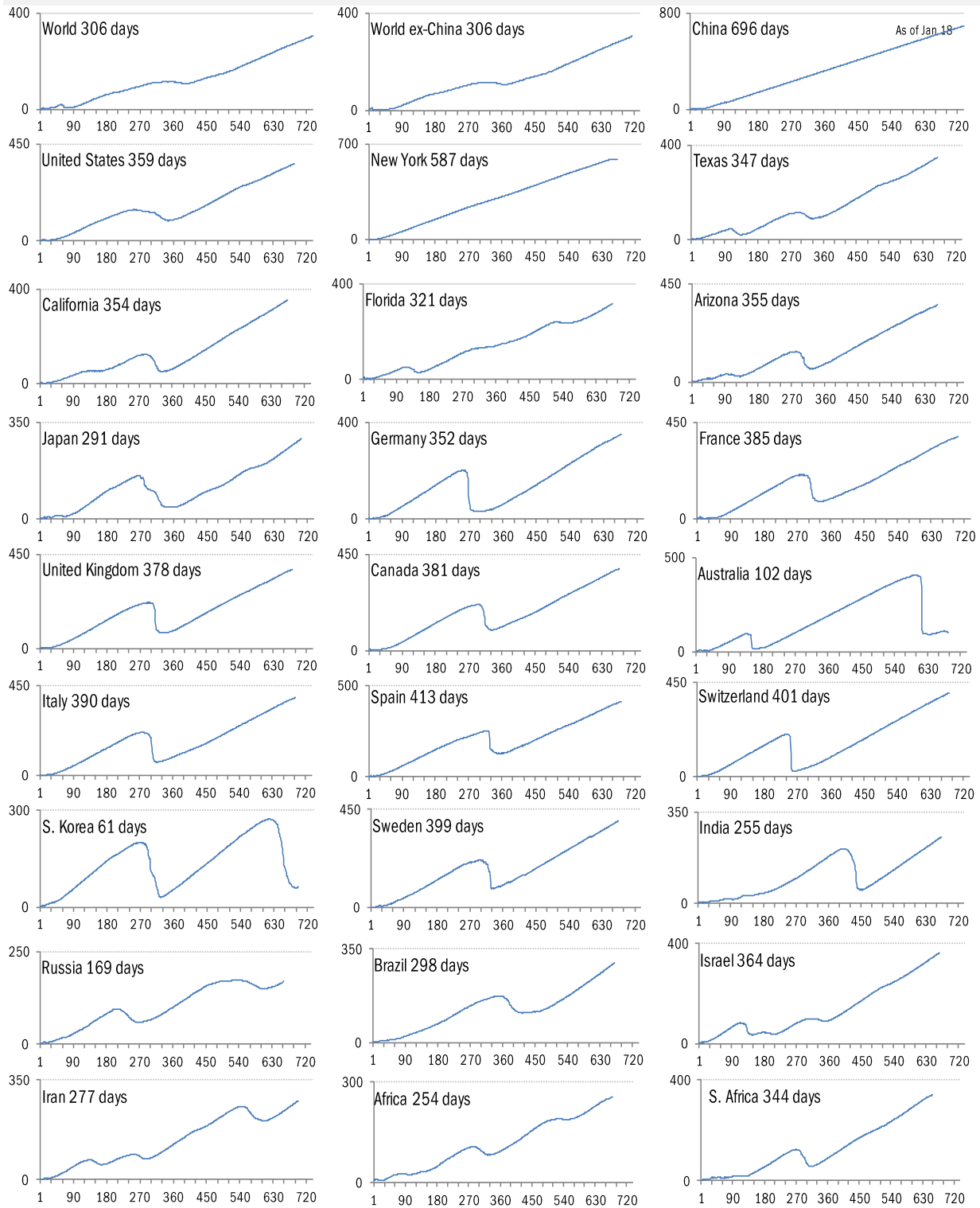
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

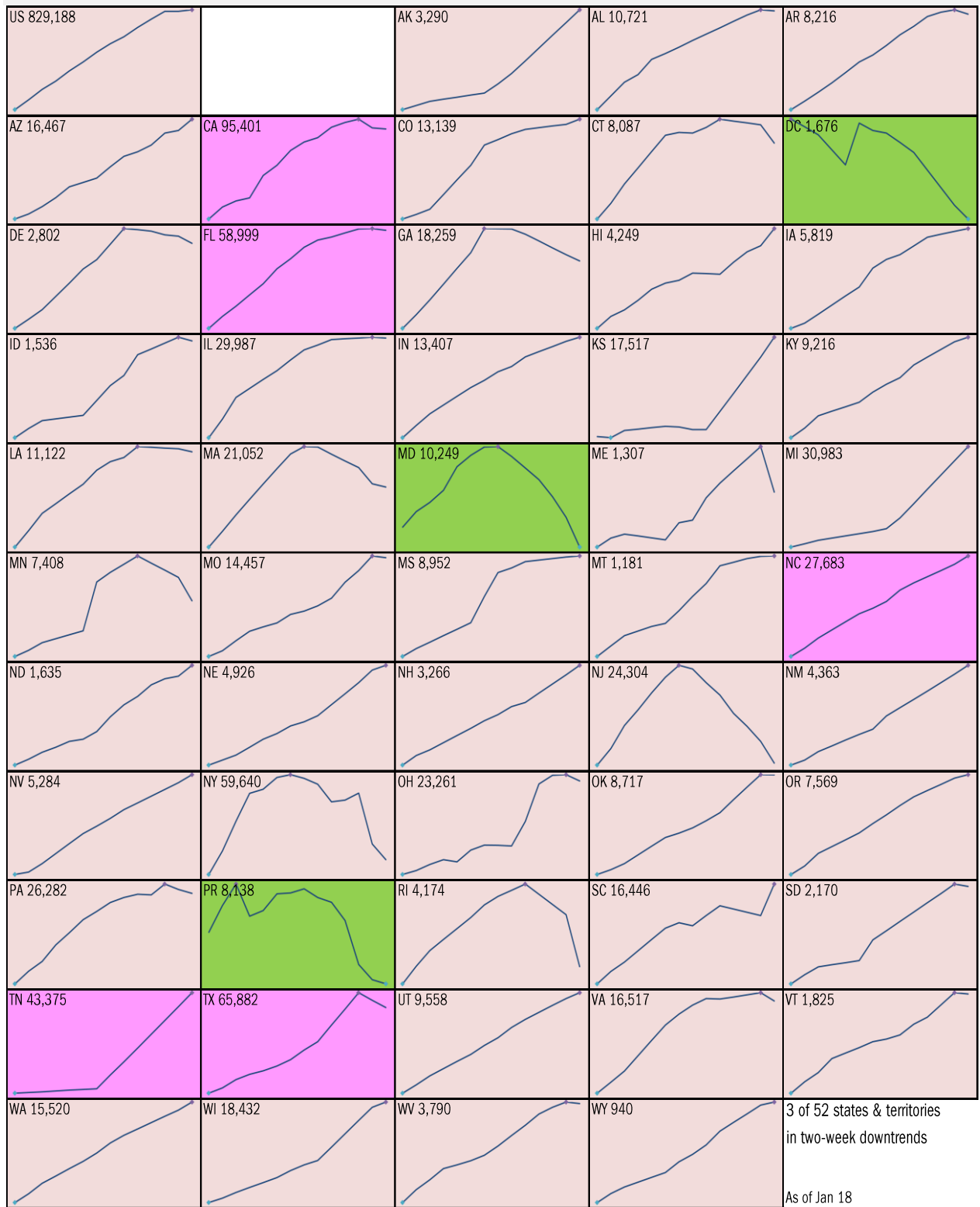


Source: [Johns Hopkins](#), TrendMacro calculations

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

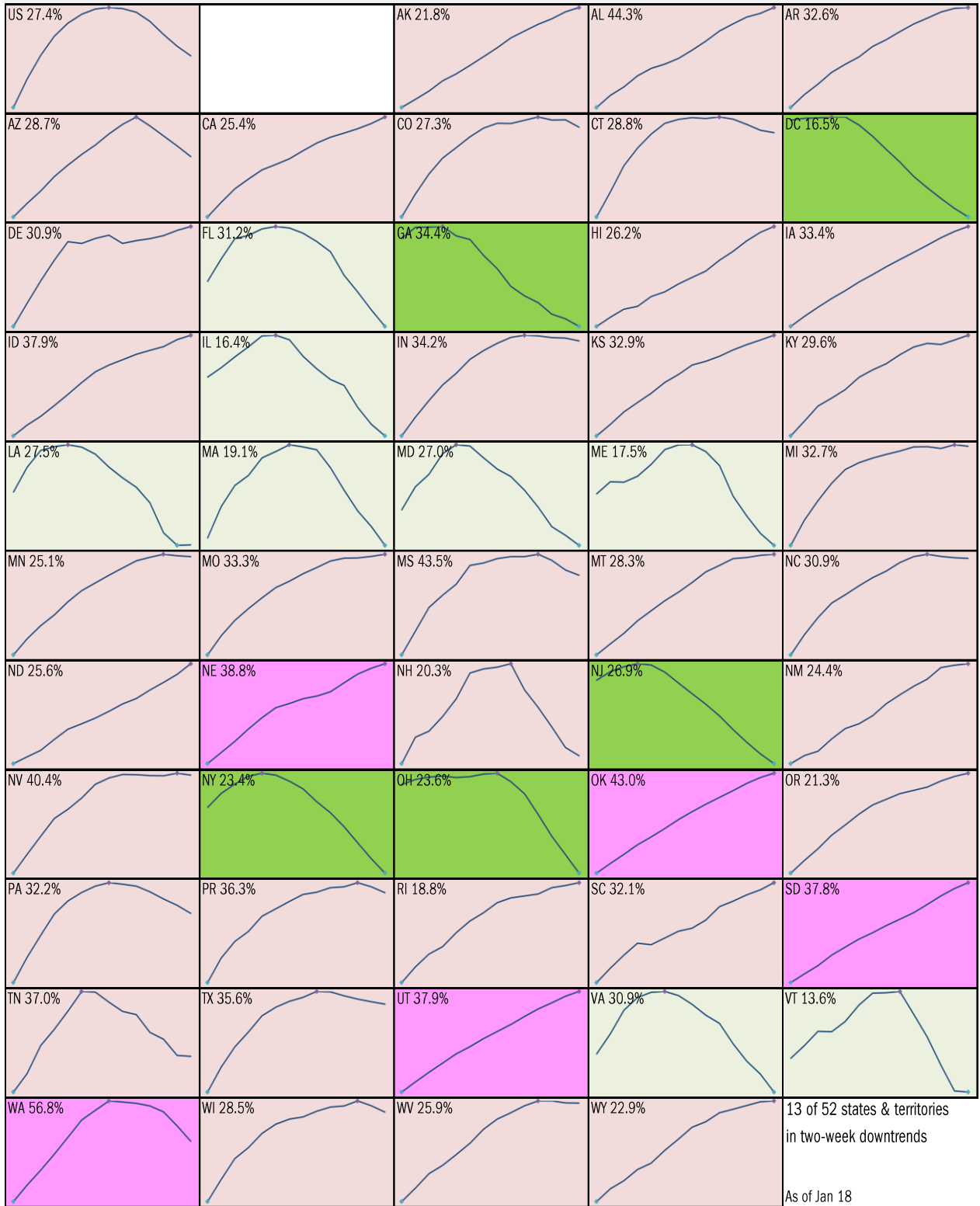


Source: [Johns Hopkins](#), TrendMacro calculations

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

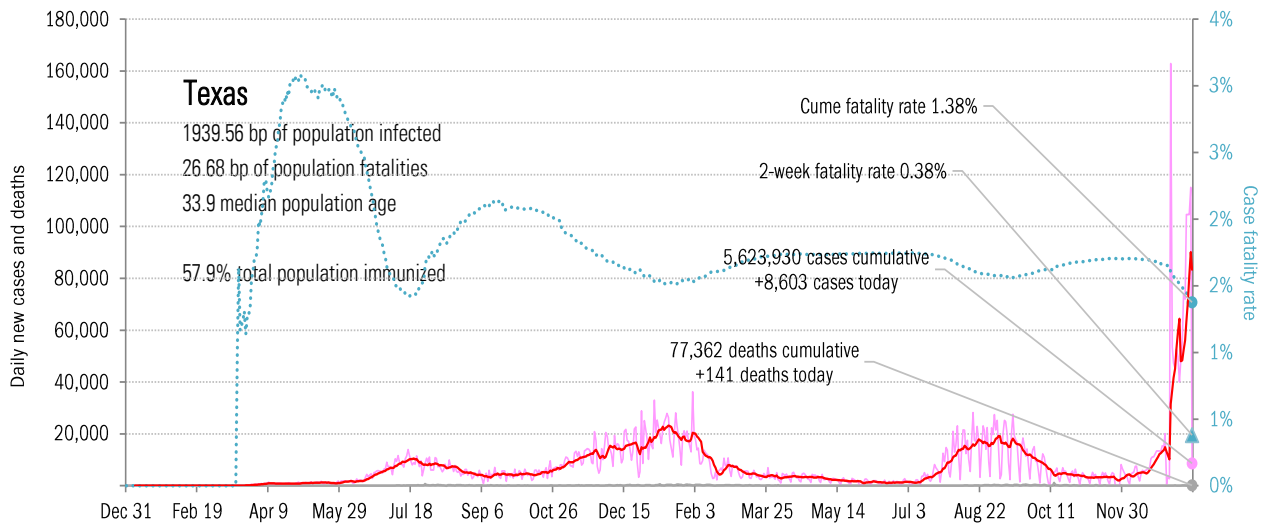
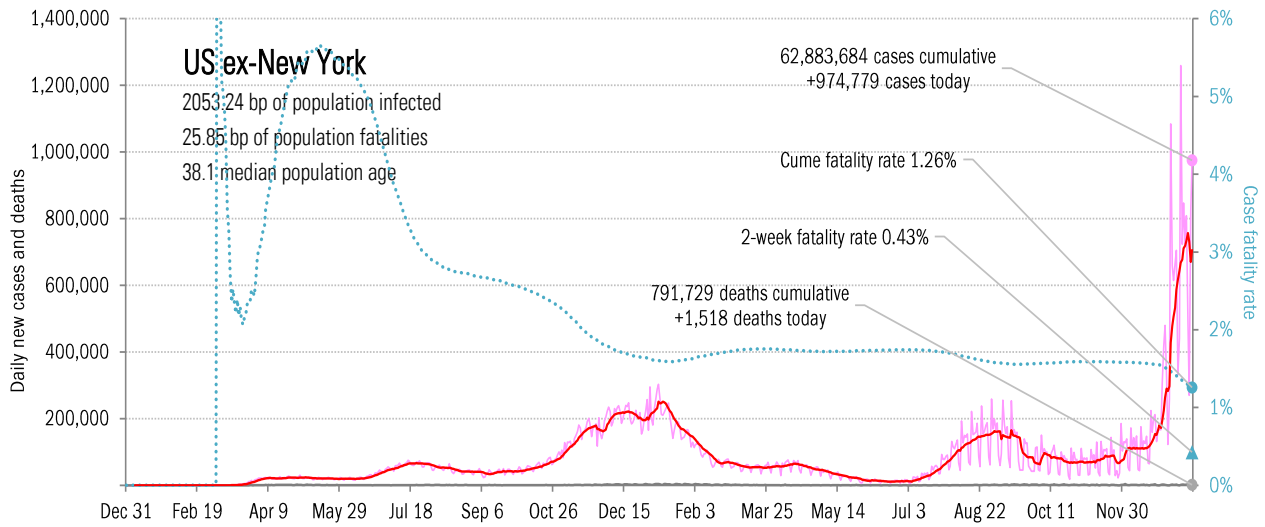
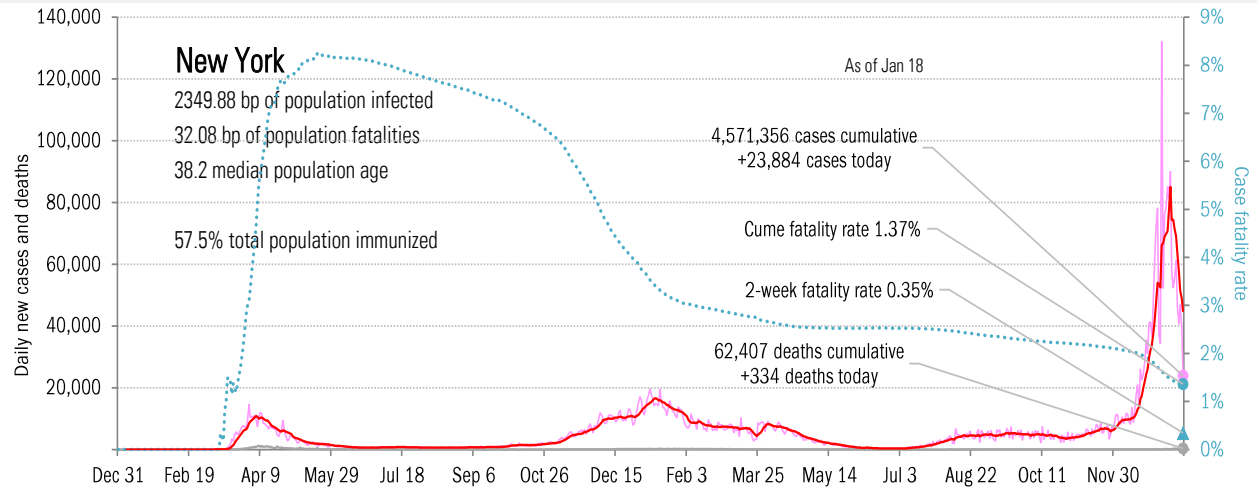
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

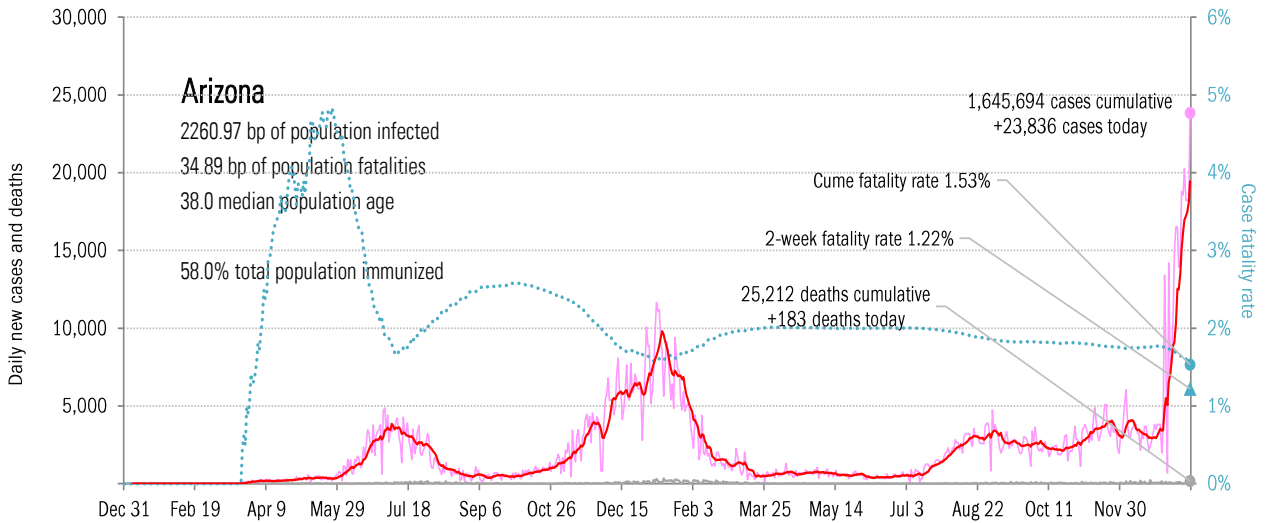
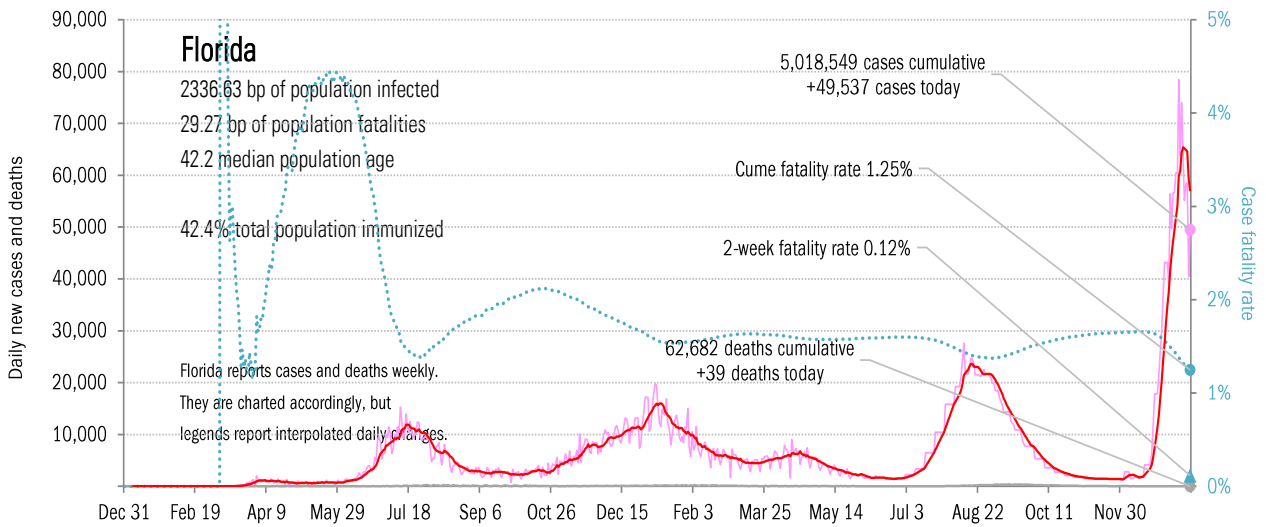
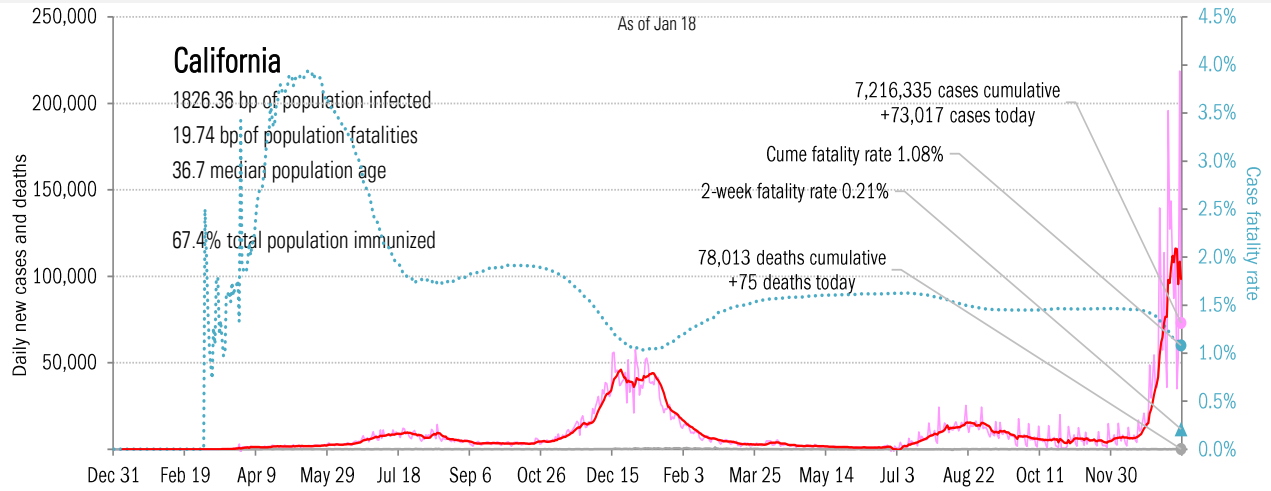
Cases: 7-day average and daily Deaths: Daily



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

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

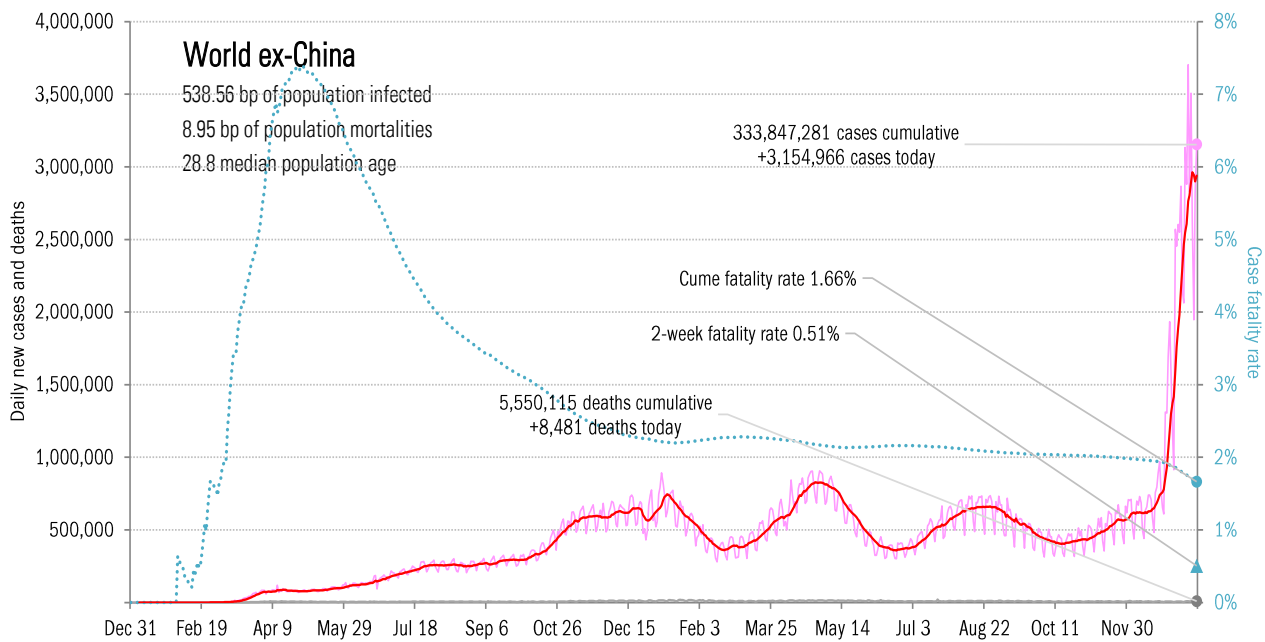
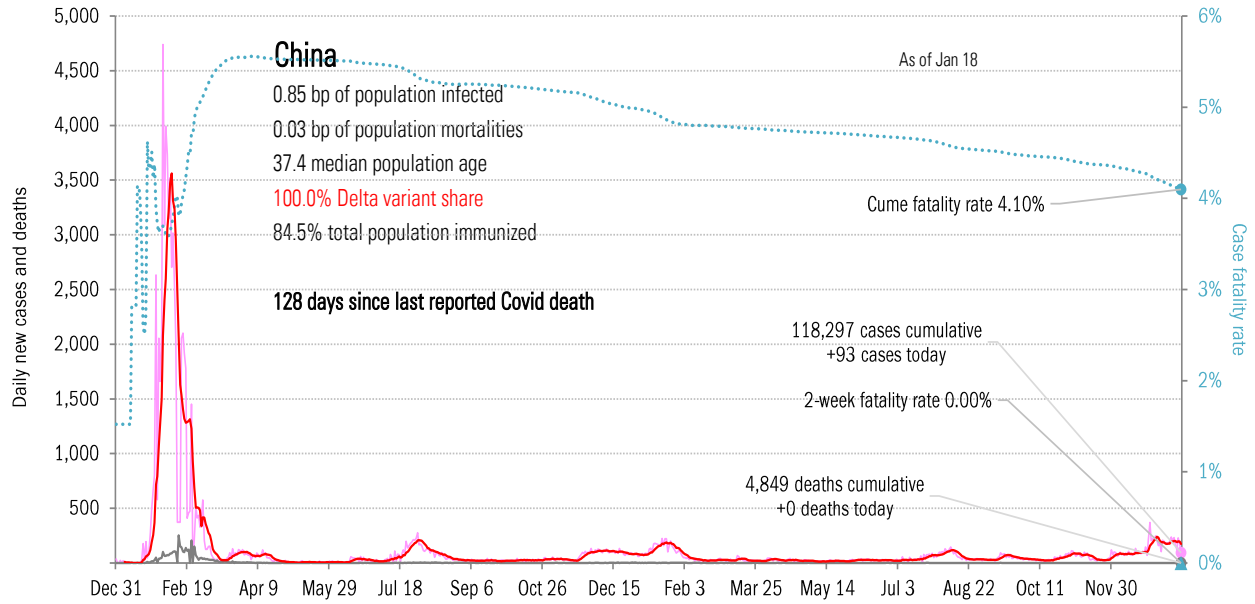
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

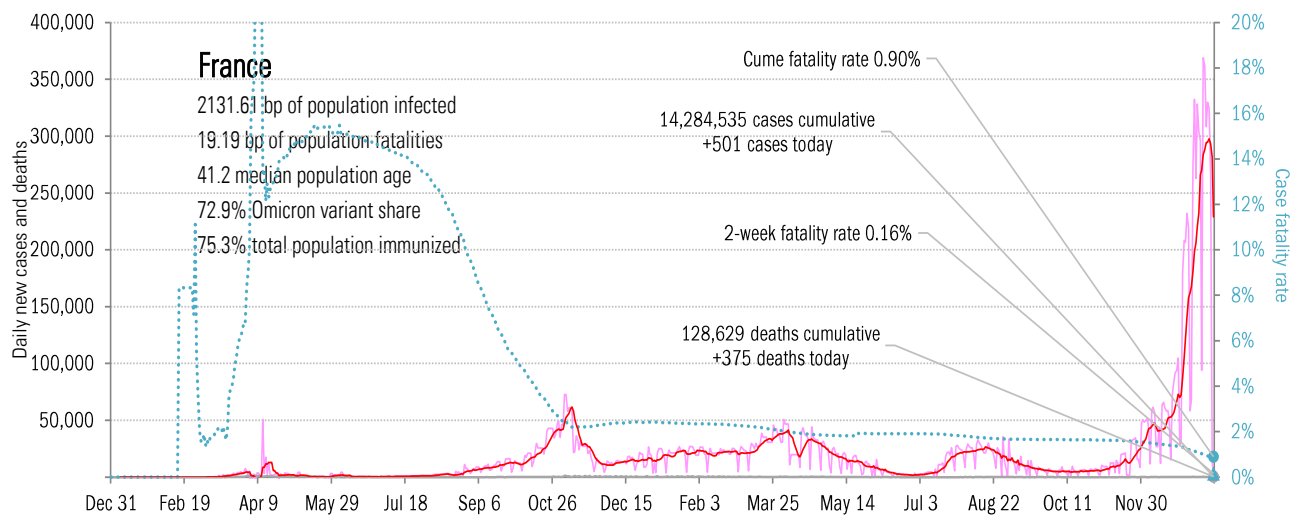
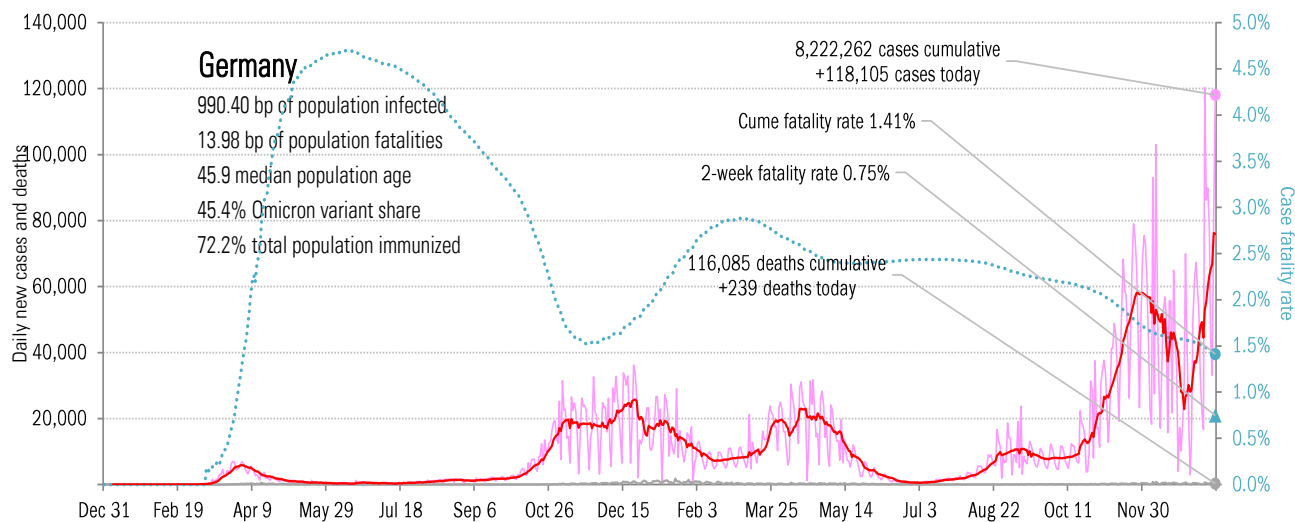
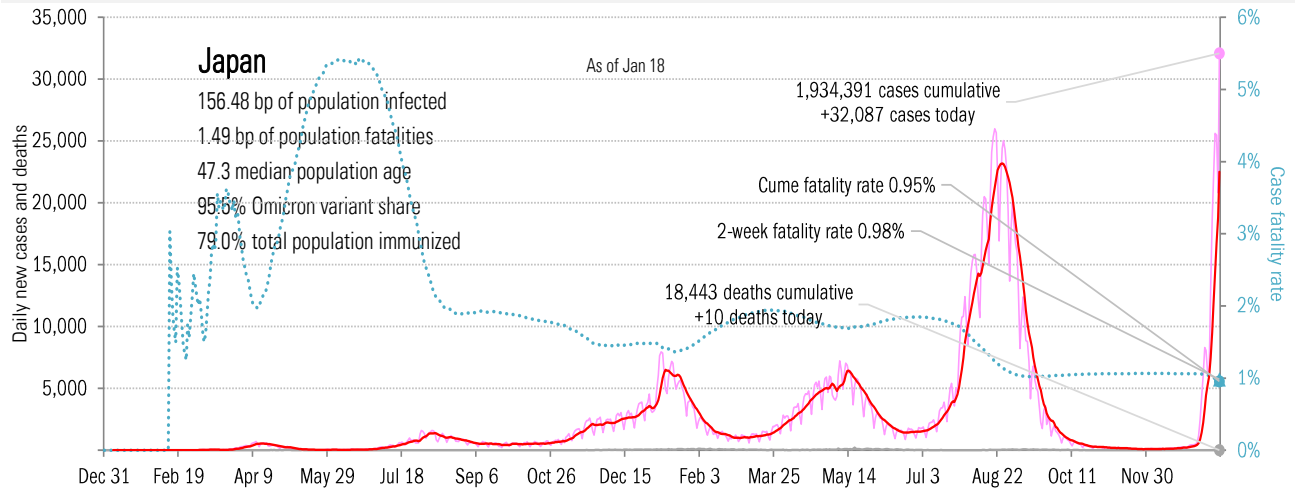
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

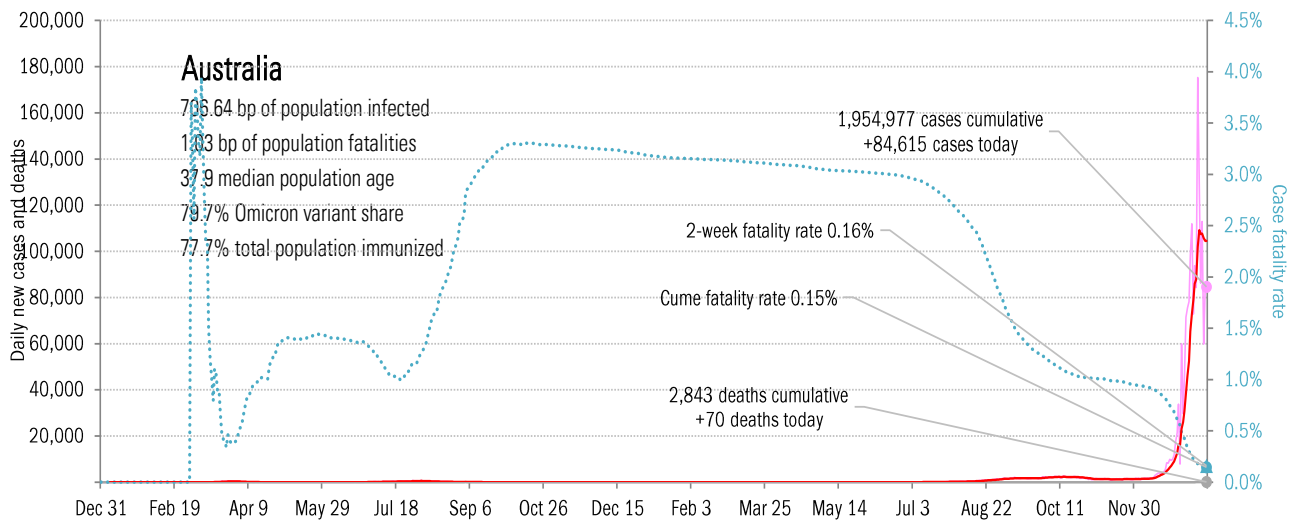
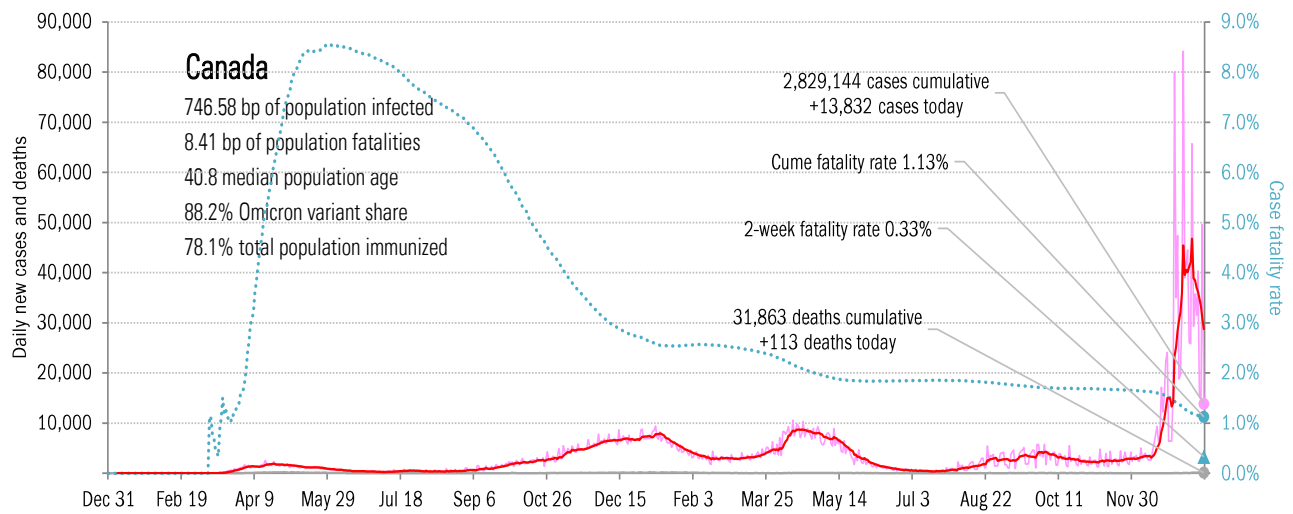
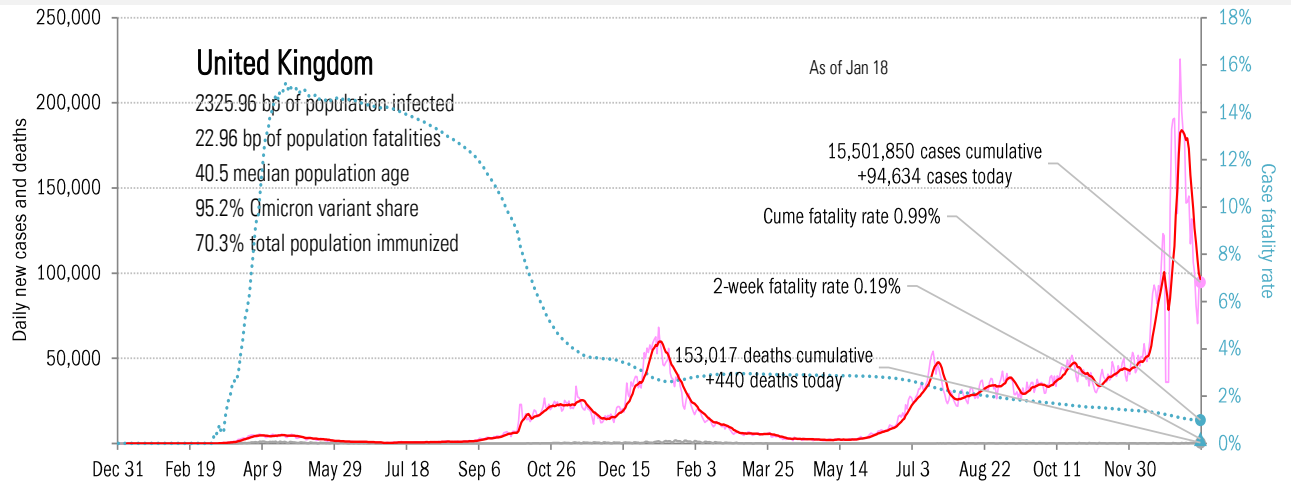
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

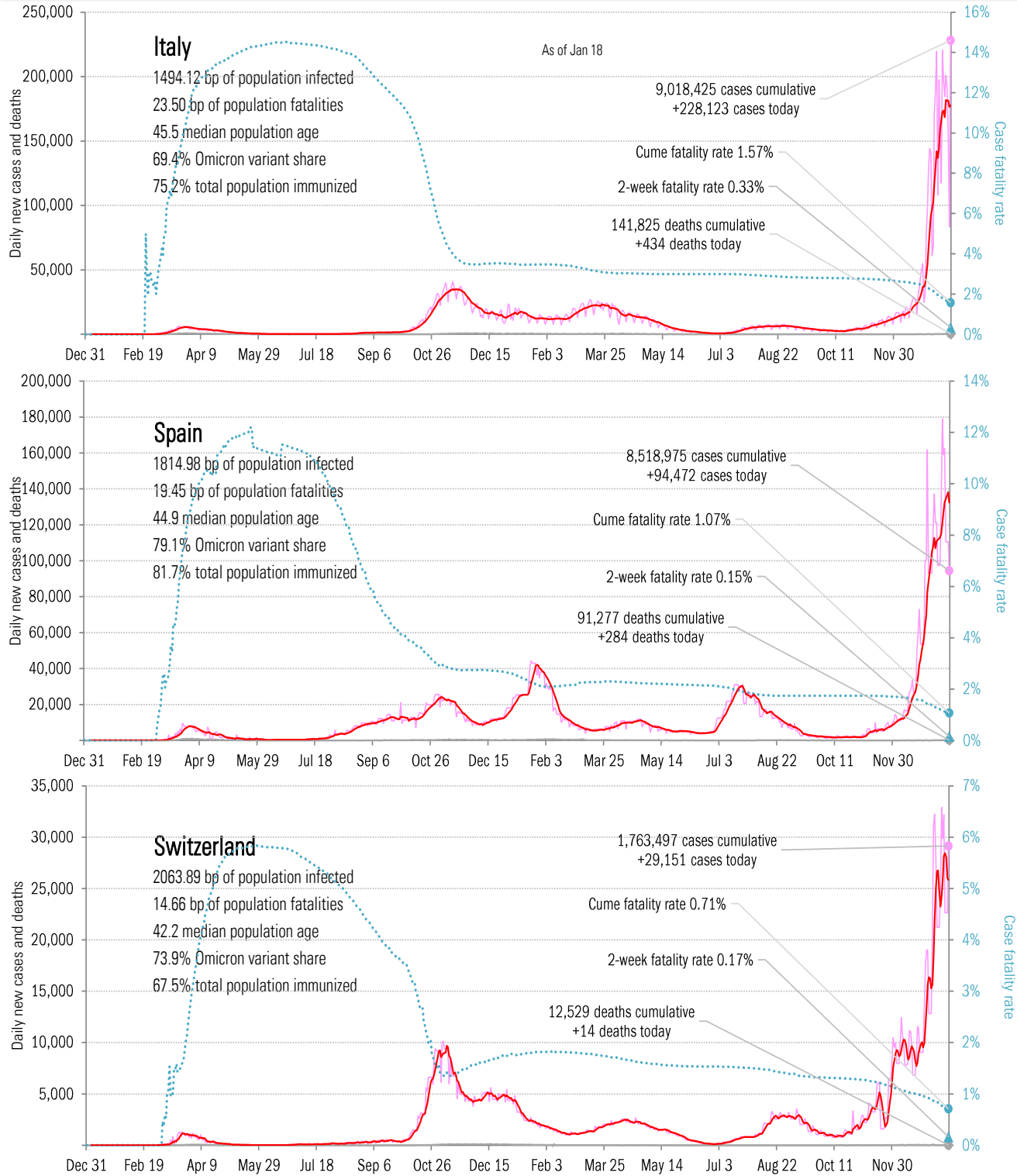


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

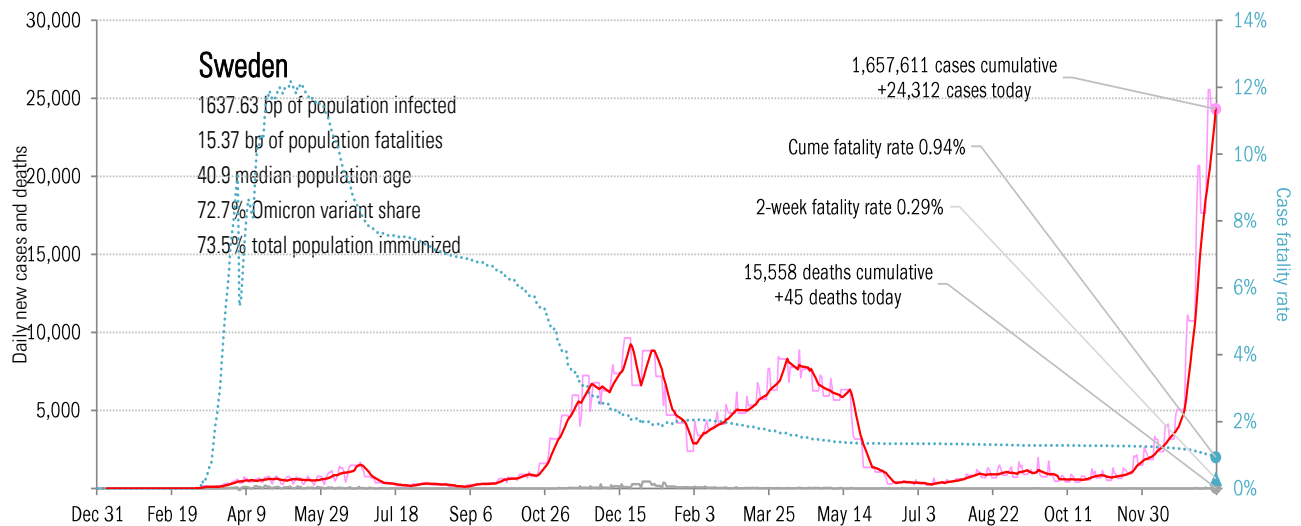
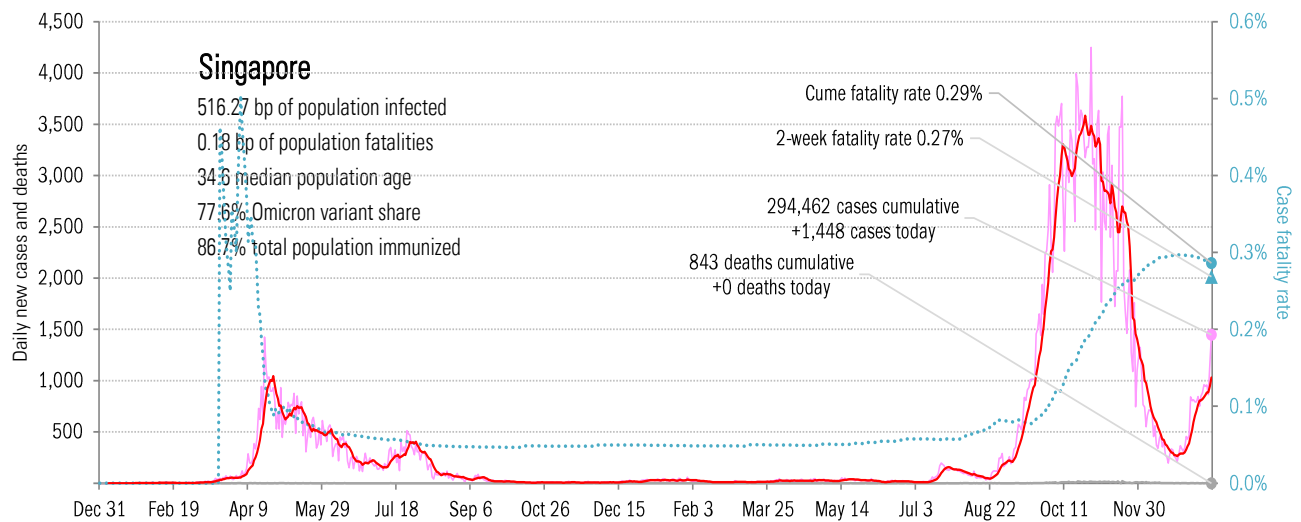
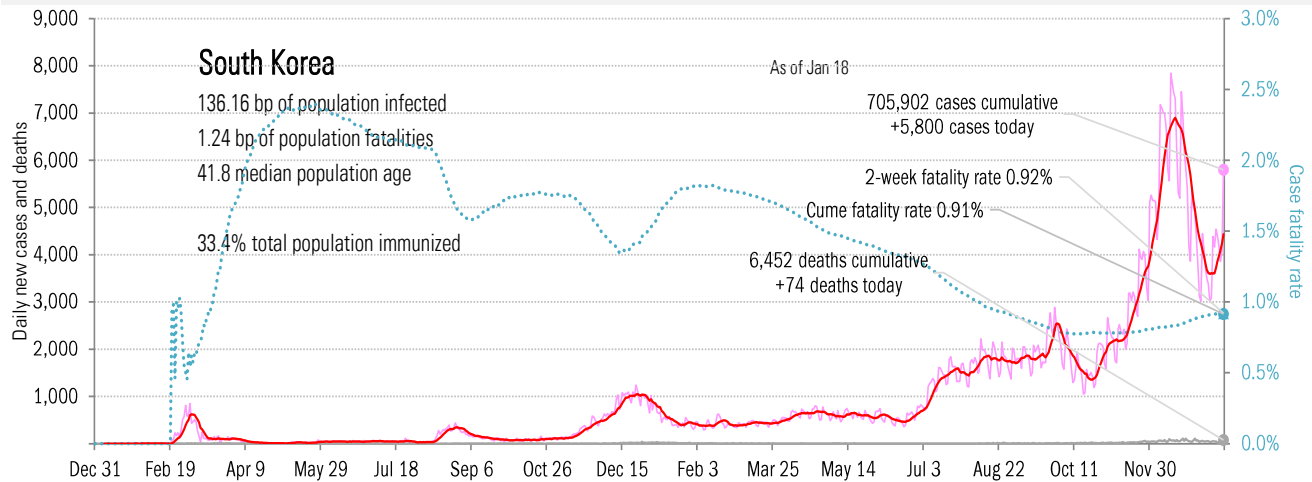
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

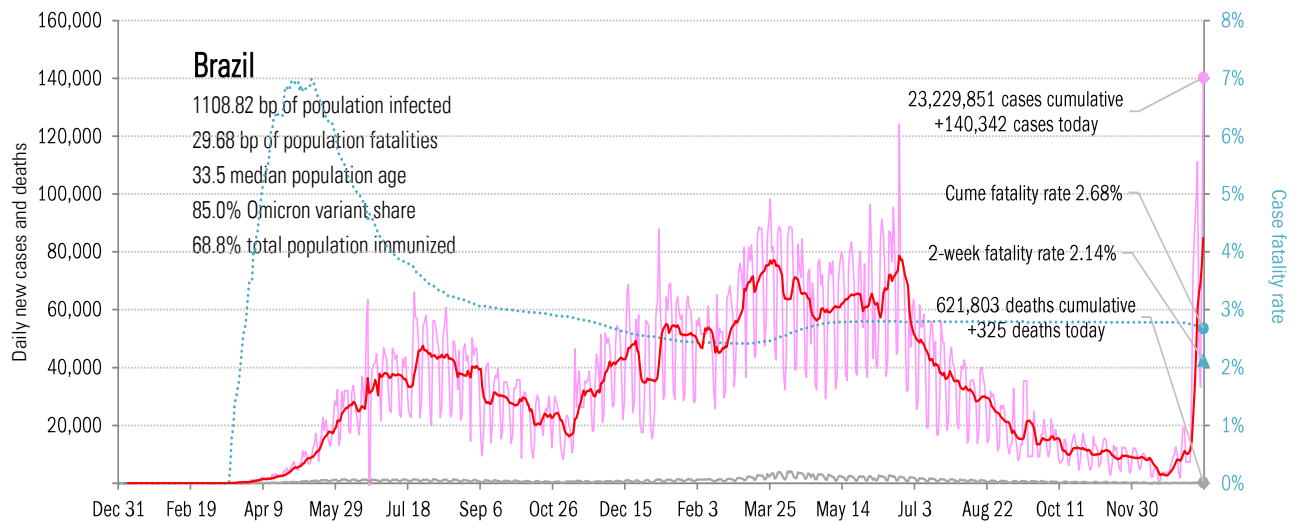
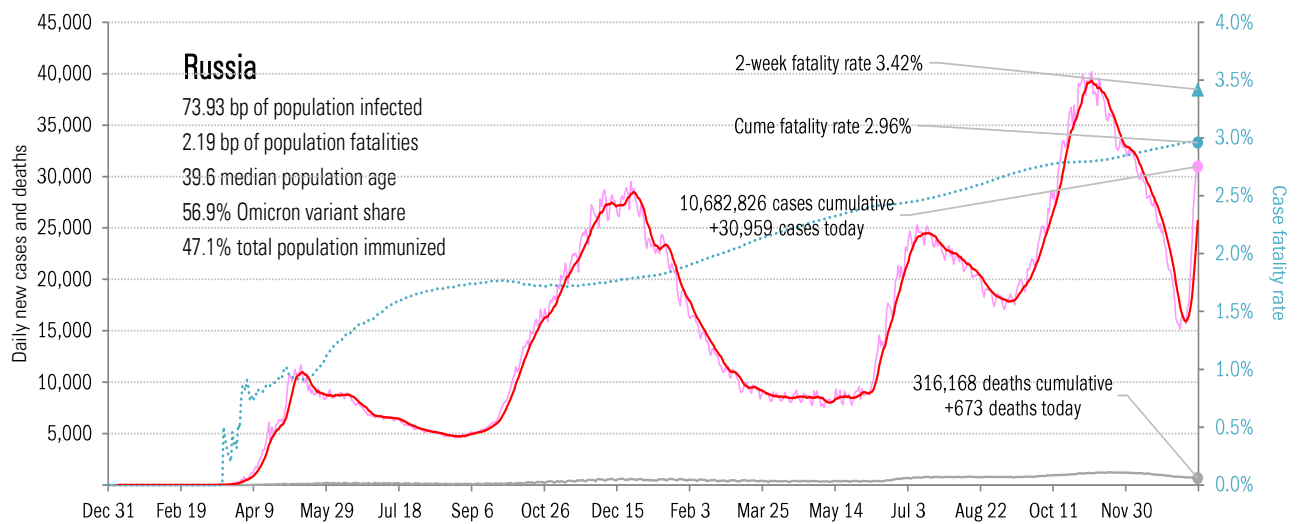
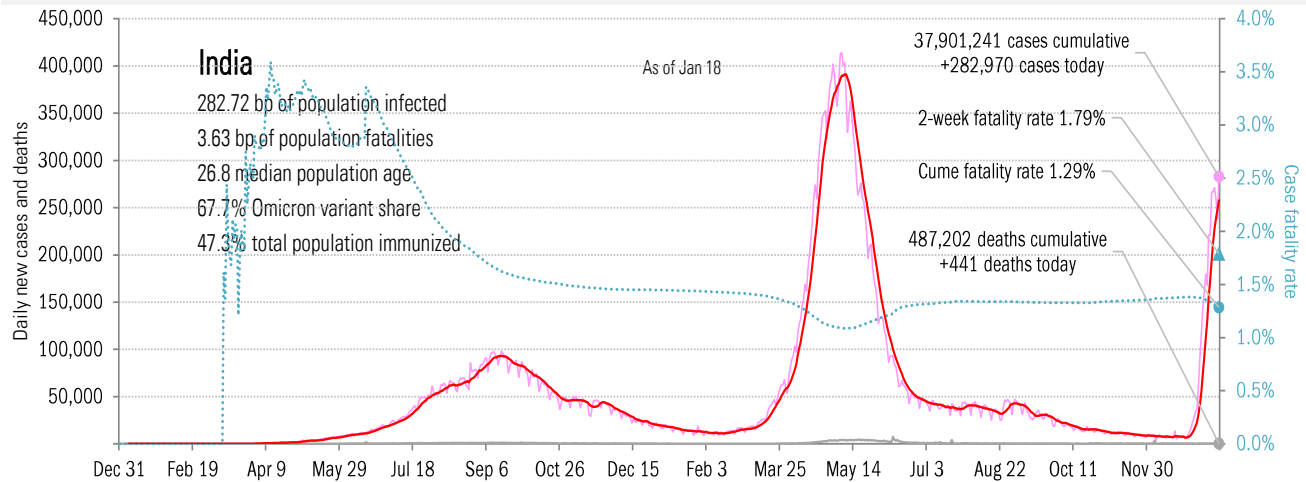
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

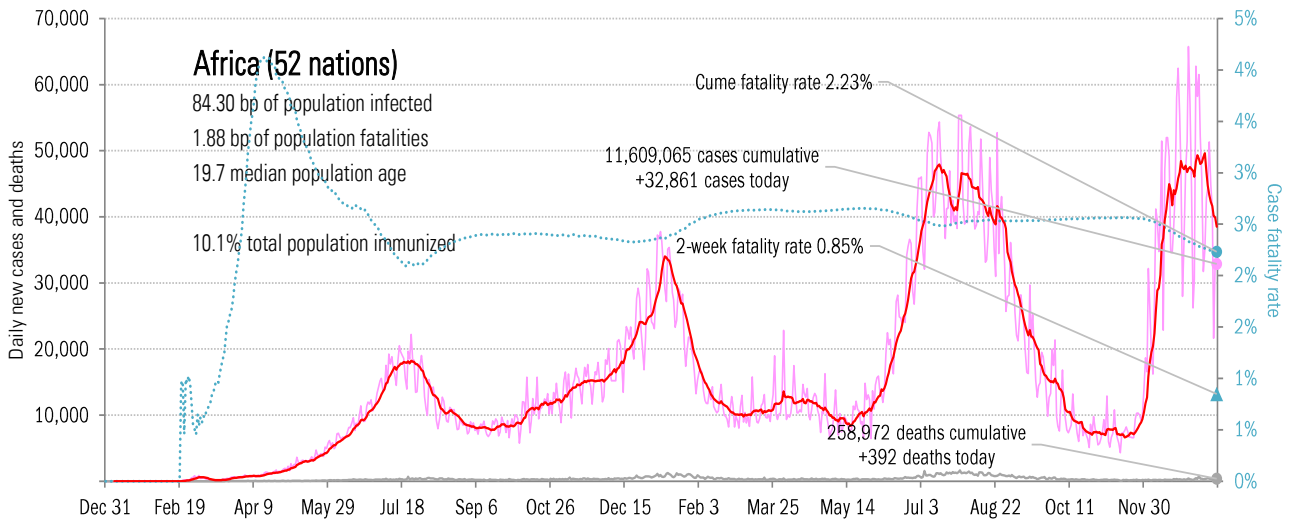
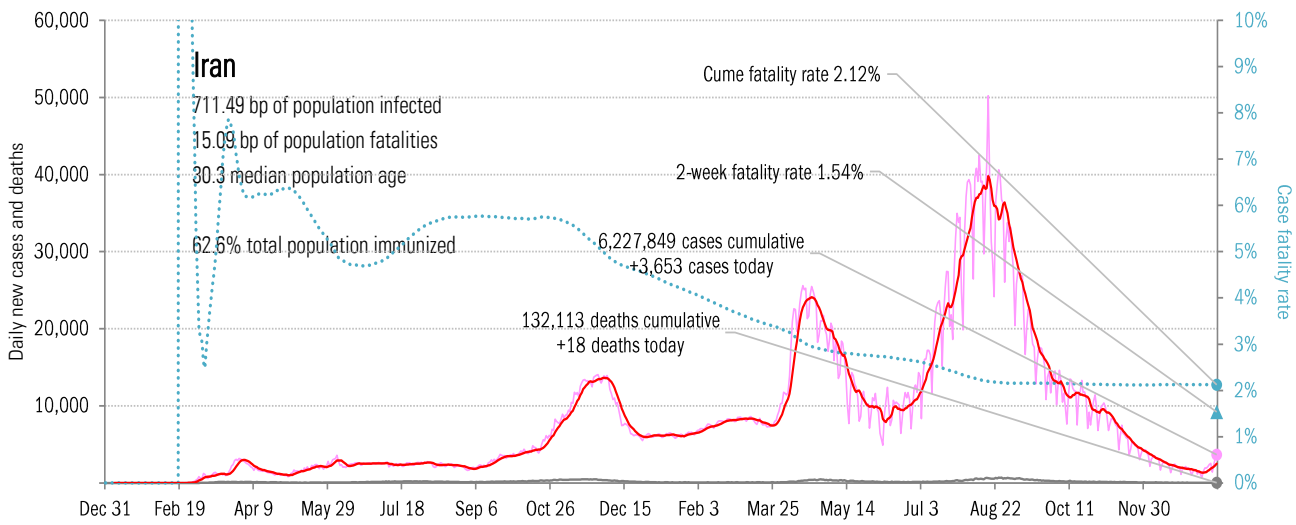
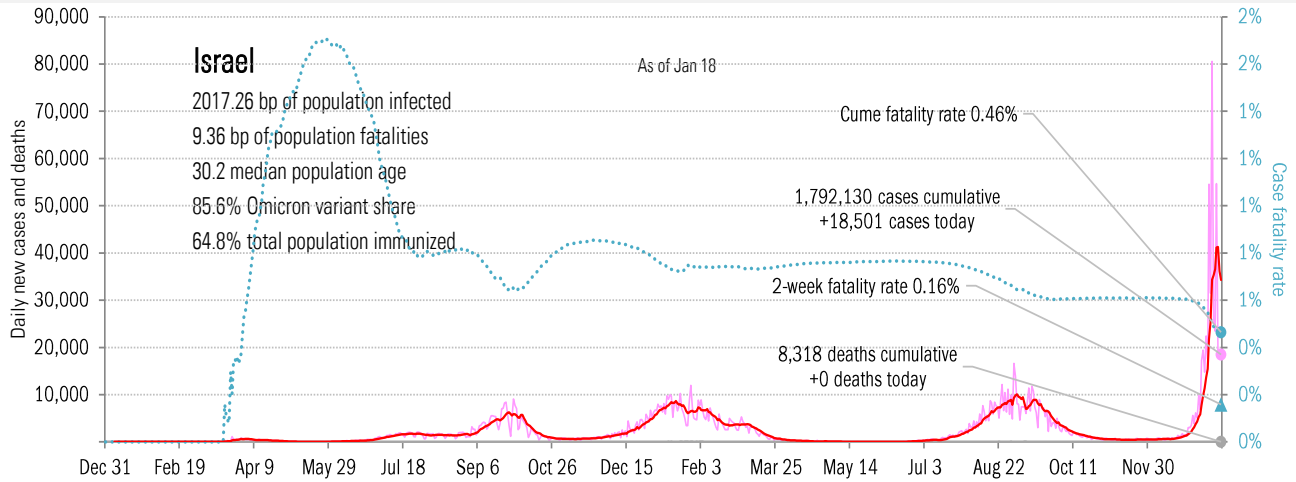
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

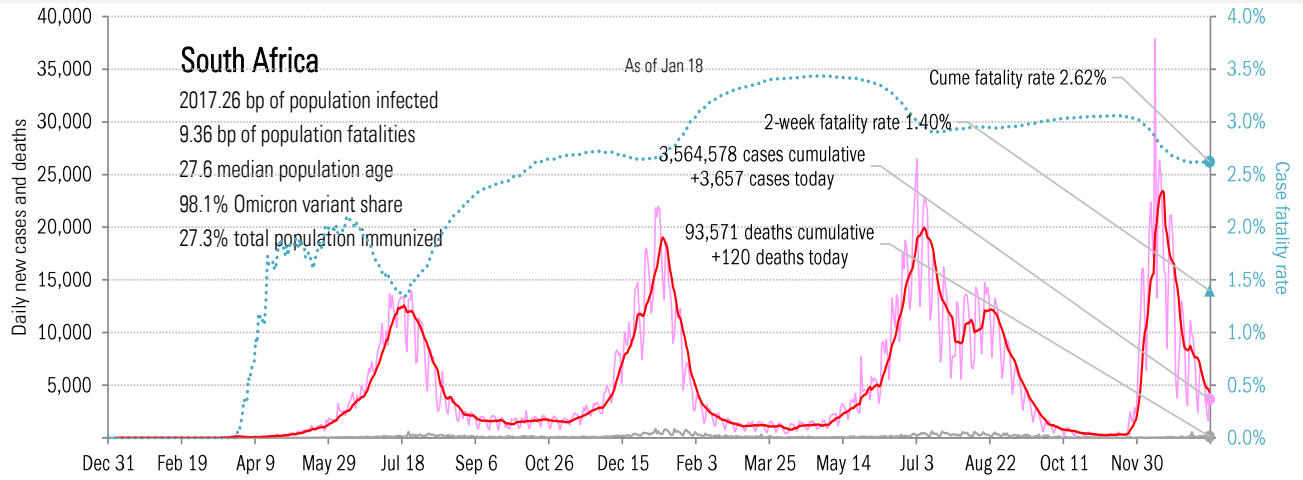
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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