

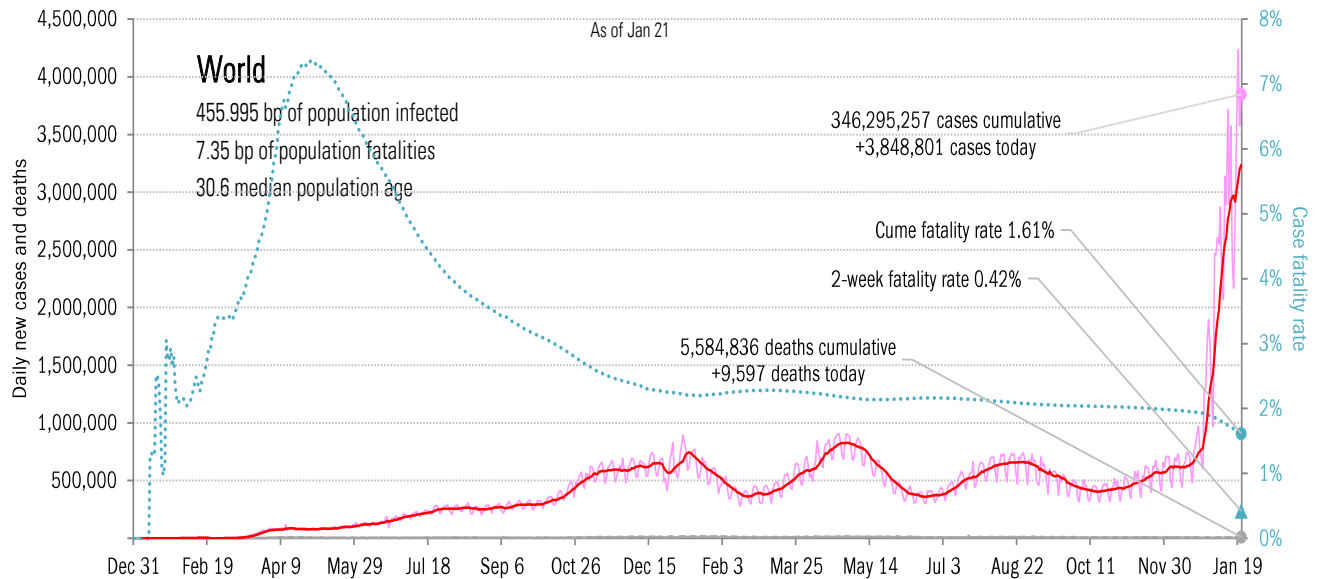
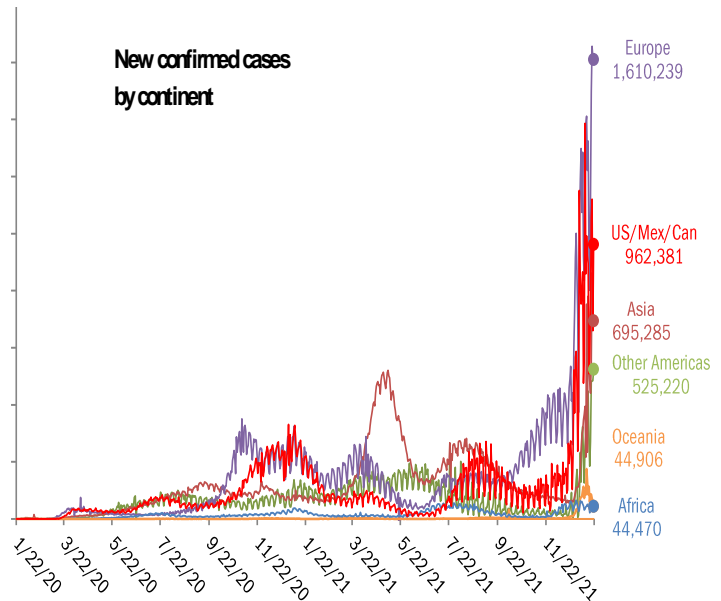
Data Insights: Covid-2019 Monitor

Saturday, January 22, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	846,280	United States	3,001
France	401,419	Russia	677
India	337,704	Mexico	609
Italy	185,600	India	488
Brazil	171,321	Brazil	399
Spain	141,095	Italy	373
Germany	133,329	United Kingdom	291
Argentina	118,171	Poland	248
Mexico	100,279	France	233
United Kingdom	96,424	Colombia	197
2,531,622		6,516	
World	3,848,801	World	9,597
Top ten	66%	Top ten	68%



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

For more information contact us:

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

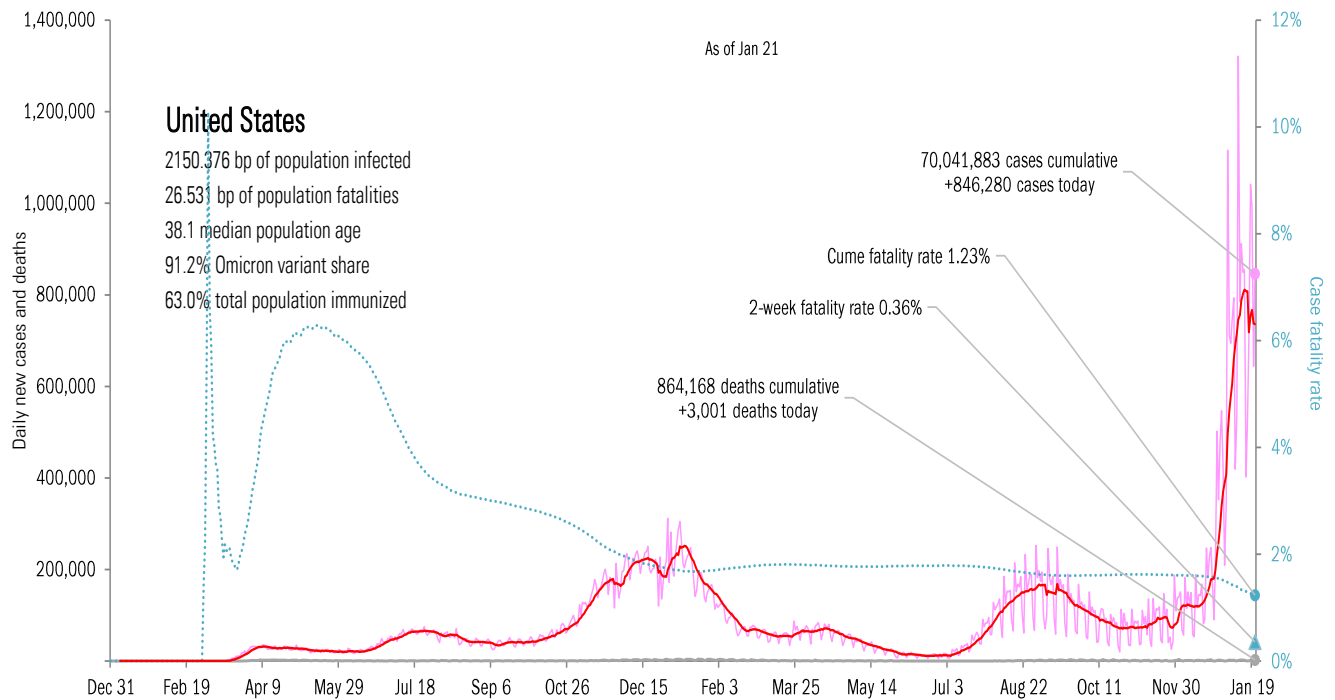
The ten worst US states

New cases			New Deaths		New in hospital		Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
CA	135,310		PA	269	KY	108	CA	7,624,185	CA	78,482	TX	439,879	GA	89%	UT	156%			
TX	98,355		NY	225	AL	83	TX	5,845,214	TX	77,894	FL	375,526	RI	88%	TX	95%			
FL	47,251		MI	224	AR	62	FL	5,155,380	NY	63,098	CA	373,221	MA	87%	AL	94%			
MI	41,203		MO	216	MO	55	NY	4,653,025	FL	62,776	NY	223,981	MD	87%	MS	93%			
IL	40,642		TX	196	CR	45	IL	2,773,362	PA	39,362	GA	186,834	PA	86%	GA	91%			
NC	35,395		CA	175	WV	45	PA	2,542,816	GA	32,294	CH	174,145	MN	86%	CK	91%			
NY	28,768		NJ	142	OK	43	CH	2,480,566	IL	32,278	PA	160,483	WA	85%	VT	90%			
KS	20,100		IL	137	NM	34	GA	2,229,675	CH	31,987	IL	143,303	NH	85%	NV	90%			
CH	19,697		IN	114	VA	32	NC	2,212,752	MI	31,499	MI	128,635	MO	85%	IN	89%			
PA	18,860		MA	106	NC	30	MI	2,124,186	NJ	30,618	KY	127,656	WV	84%	MO	89%			
485,581			1,804		537		37,641,161			480,288			2,333,663						
All states	846,280		3,001		-1,417		All states	70,041,883	864,168			4,210,546			All states	70%	67%		
Top ten	57%		60%		-38%		Top ten	54%	56%			55%			Median	80%	83%		

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
WI	-5,145	FL	-84	FL	-394	WY	+100 bp
IA	-4,795	IL	-61	CA	-386	CA	+40 bp
MD	-4,161	PA	-57	NY	-346	FR	+40 bp
GA	-4,013	WA	-47	TX	-275	CO	+10 bp
LA	-2,889	GA	-46	MA	-208	CT	+10 bp



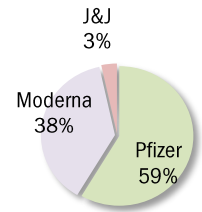
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	546,367,548		+1.003 million	US	63.0%	75.4%
Boosters	84,162,376		+0.569 million	UK	70.5%	76.5%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	257,717,818	77%	216,062,649	65%	+0.185 million	France 75.7% 79.5%
Age 12 to 17	15,830,313	66%	13,209,871	55%	+0.019 million	Spain 81.8% 87.2%
Age 18 to 64	174,136,049	86%	146,362,764	72%	+0.084 million	Germany 72.6% 74.7%
Age 65 and over	58,429,908	100%	50,003,725	91%	+0.012 million	Italy 75.5% 82.4%

Australia	77.9%	82.5%
Israel	65.1%	71.9%
Canada	78.2%	84.5%
Japan	79.0%	80.4%
Africa	10.1%	15.3%
India	48.6%	66.4%
Brazil	69.3%	78.5%
China	84.5%	87.5%

Global data differs due to sources, timing



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

AK
67.5%
58.1%

WI
69.9%
63.1%

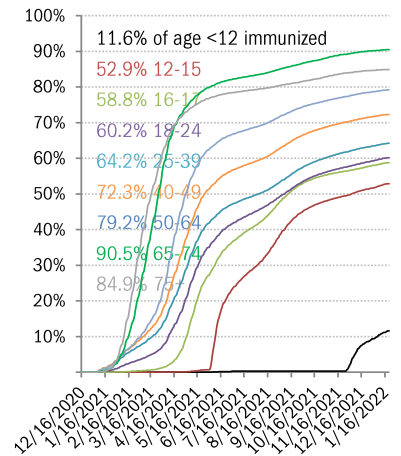
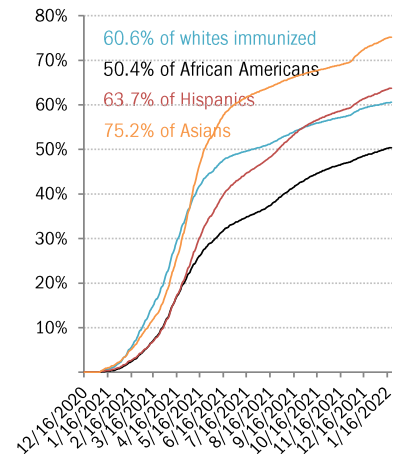
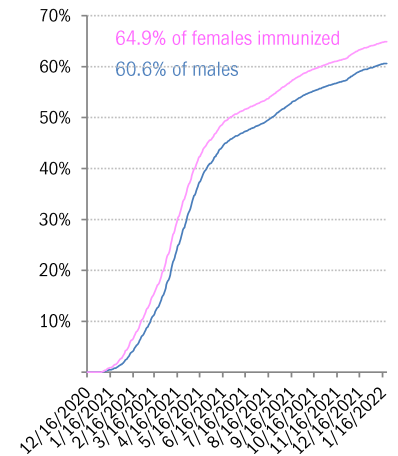
As of Jan 22

ME
88.1%
77.2%

WA 78.1% 69.6%	ID 54.0% 47.6%	MT 63.4% 55.0%	ND 63.7% 53.7%	MN 73.0% 66.7%	IL 74.5% 65.4%	MI 64.8% 57.8%	NY 86.8% 73.5%	VT 91.6% 79.0%	NH 95.0% 68.4%	
OR 75.6% 67.5%	NV 72.3% 58.0%	WY 56.8% 49.6%	SD 73.3% 58.5%	IA 66.3% 60.0%	IN 59.5% 52.9%	OH 62.0% 56.4%	PA 81.2% 65.2%	NJ 86.5% 72.0%	MA 93.9% 75.9%	
CA 85.9% 68.3%	UT 69.0% 60.2%	CO 76.9% 67.8%	NE 68.3% 61.2%	MO 64.1% 54.1%	KY 64.2% 55.3%	WV 63.3% 55.9%	VA 82.7% 70.2%	MD 83.0% 72.1%	CT 91.8% 76.1%	RI 93.6% 78.2%
	AZ 69.5% 58.4%	NM 83.6% 67.9%	KS 71.9% 58.6%	AR 64.6% 52.4%	TN 60.3% 52.4%	NC 80.1% 58.0%	SC 65.3% 54.5%	DC 92.2% 69.5%	DE 79.5% 65.7%	
		OK 68.6% 54.7%	LA 59.1% 51.4%	MS 57.7% 49.7%	AL 60.6% 49.0%	GA 63.3% 52.5%				
			TX 69.0% 58.3%				FL 76.7% 64.7%		PR 91.5% 78.6%	

HI
84.3%
75.5%

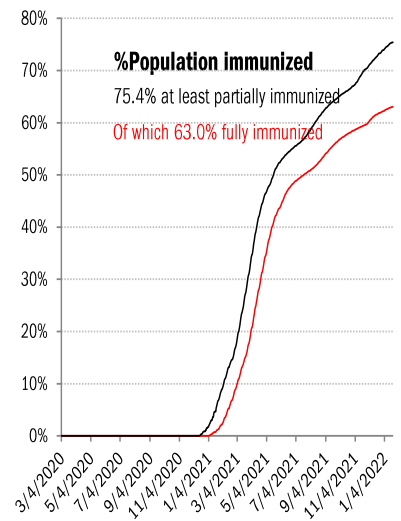
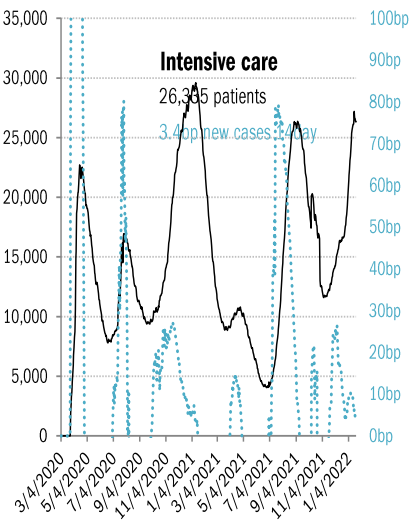
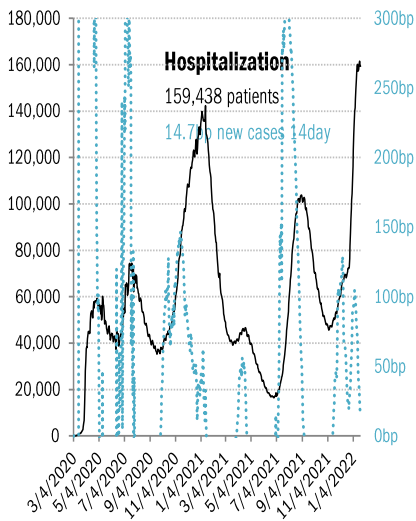
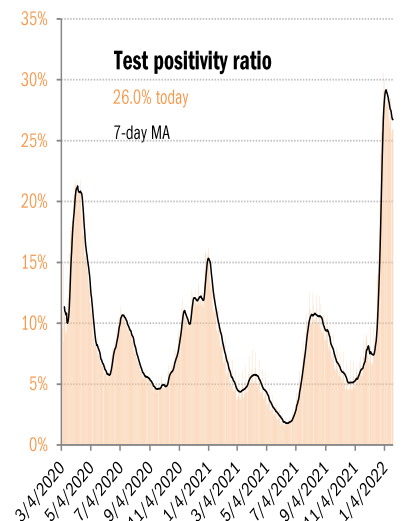
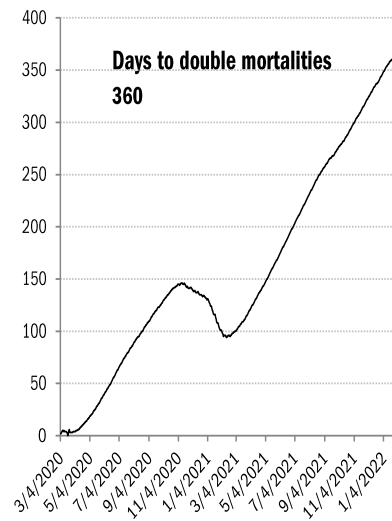
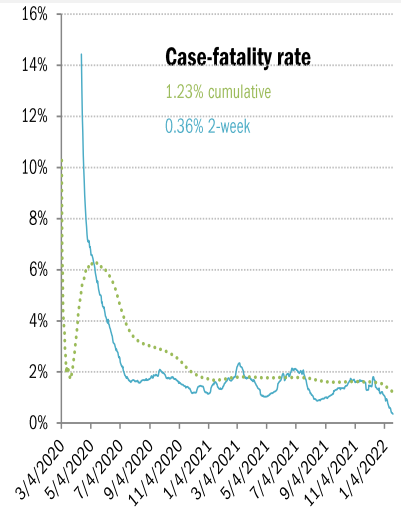
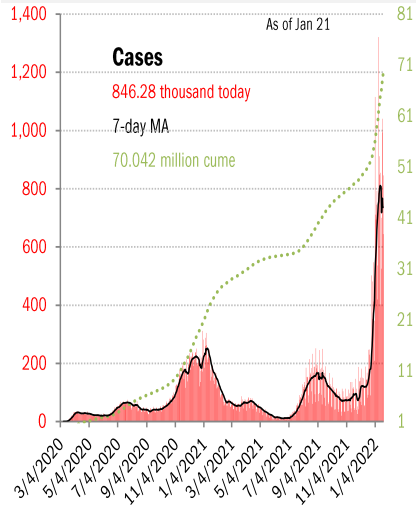
The demographics of US vaccination



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

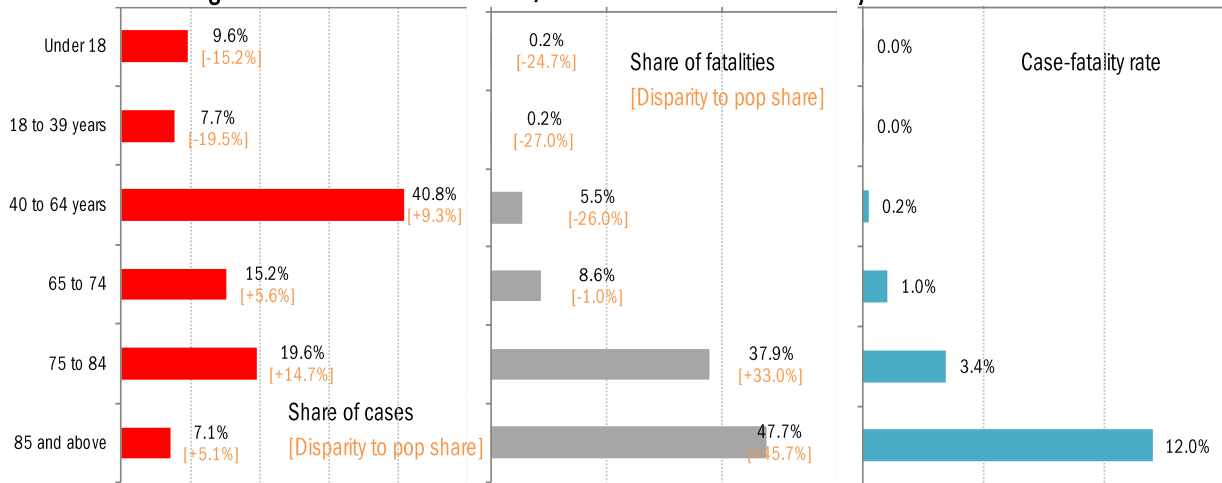
US deep-dive

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

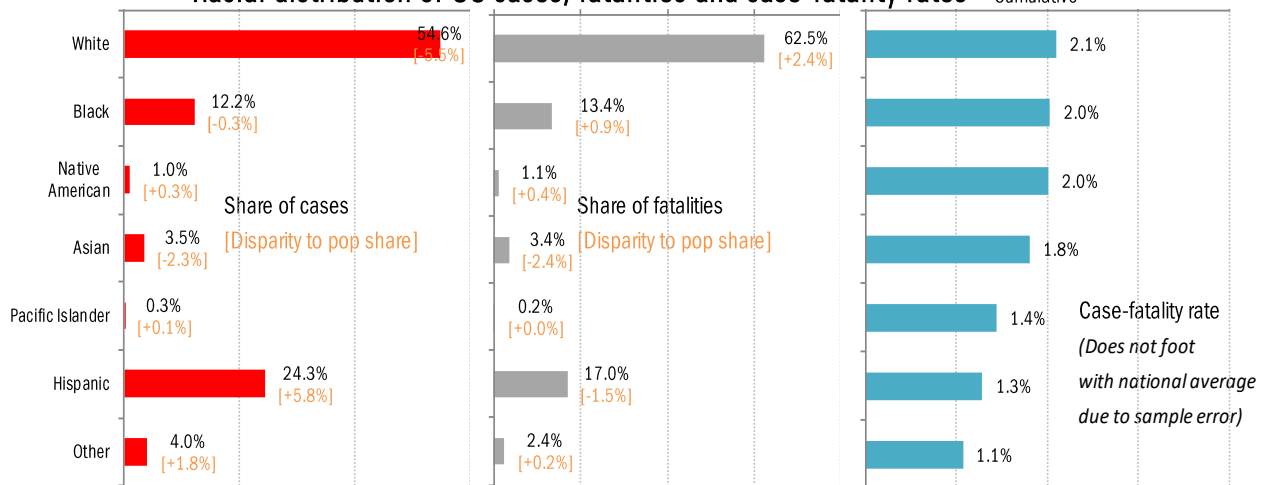


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

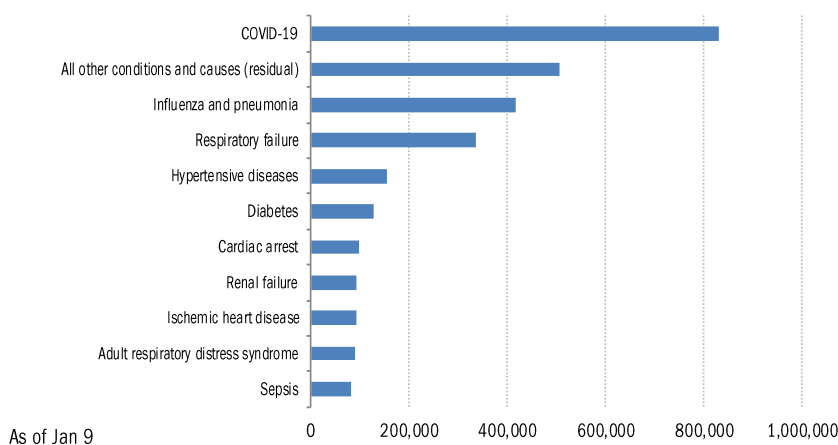


Racial distribution of US cases, fatalities and case-fatality rates



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

[Court Battle Over a Ventilator Takes a Patient From Minnesota to Texas](#)

Maria Cramer
New York Times
January 21, 2022

[How to verify for yourself that over 150,000 Americans have been killed by the COVID vaccines](#)

Steve Kirsch
Steve Kirsch's Newsletter
January 5, 2022

[Arizona Sues to Stop Treasury From Recouping Relief Funds](#)

Alan Rappeport
New York Times
January 21, 2022

[Effectiveness of a Third Dose of mRNA Vaccines Against COVID-19–Associated Emergency Department and Urgent Care Encounters and Hospitalizations Among Adults During Periods of Delta and Omicron Variant Predominance — VISION Network, 10 States, August 2021–](#)

Mark G. Thompson et al.
CDC
January 21, 2022

[Judge Blocks Biden Covid-19 Vaccine Mandate for Federal Workers](#)

Jacob Gershman
Wall Street Journal
January 21, 2022

[Indiana bill proposal seeks ivermectin as COVID treatment. Why pharmacists are up in arms](#)

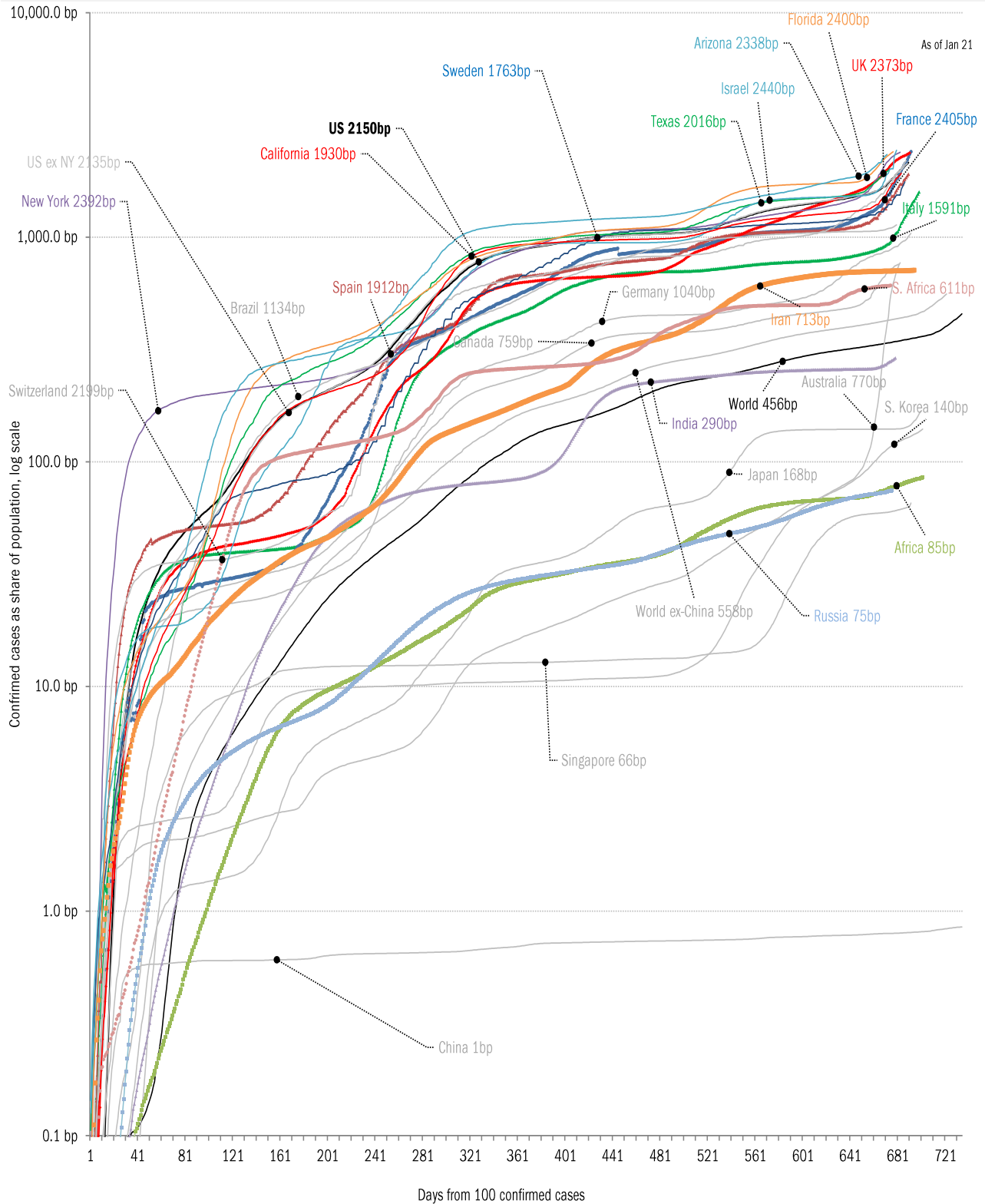
Shari Rudavsky
Indianapolis Star
January 20, 2022

Meme of the day



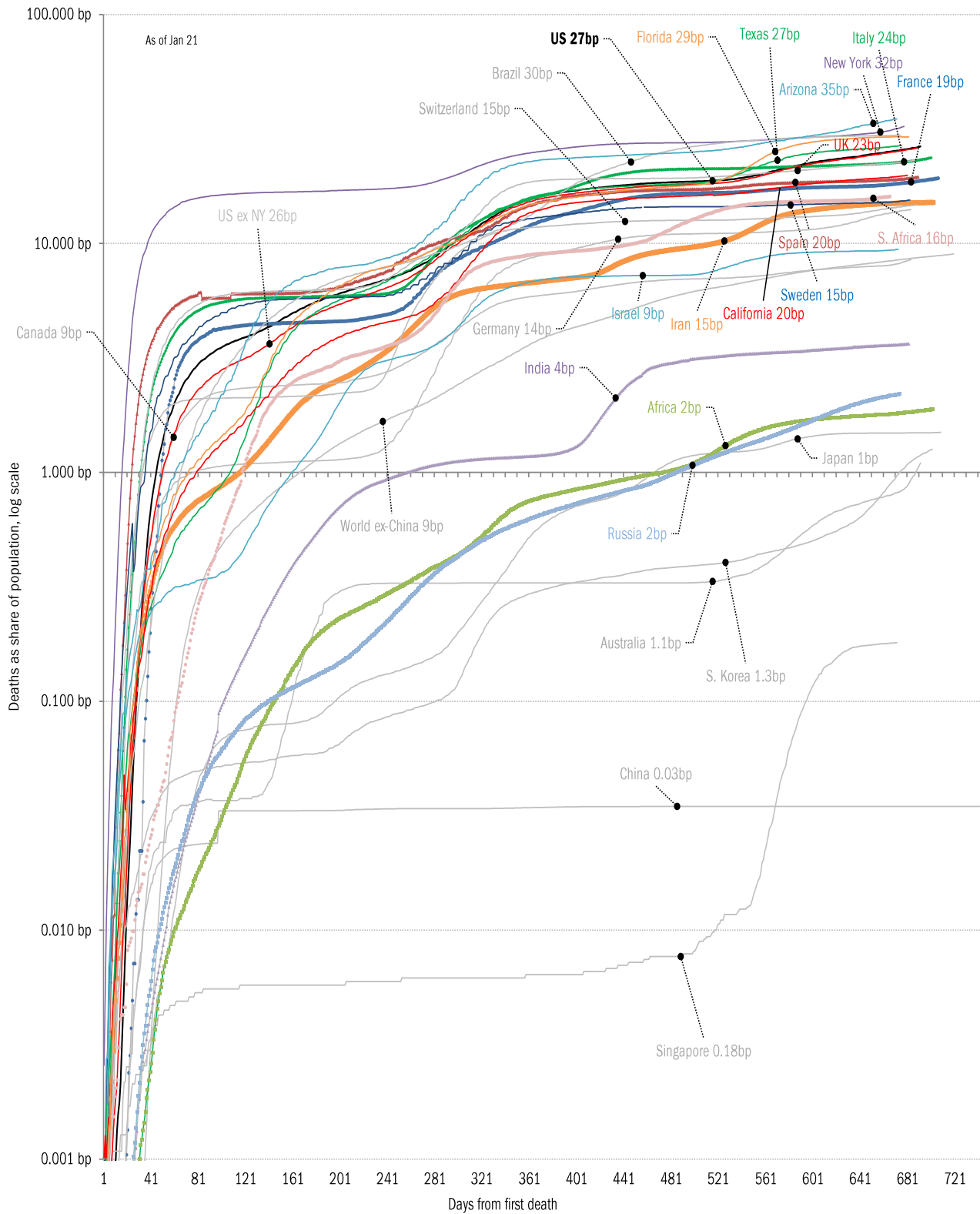
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

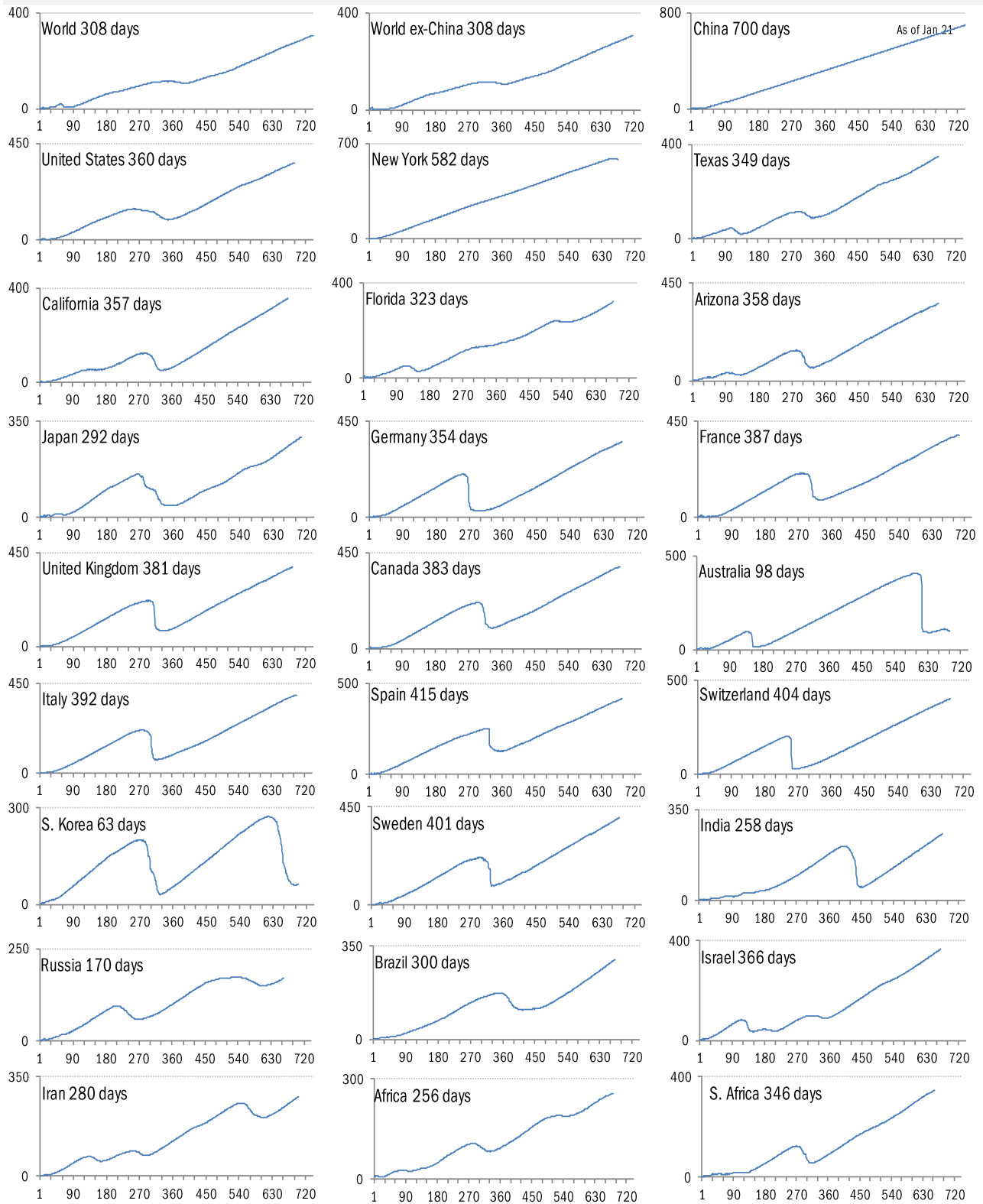


Source: [Johns Hopkins](#), TrendMacro calculations

"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



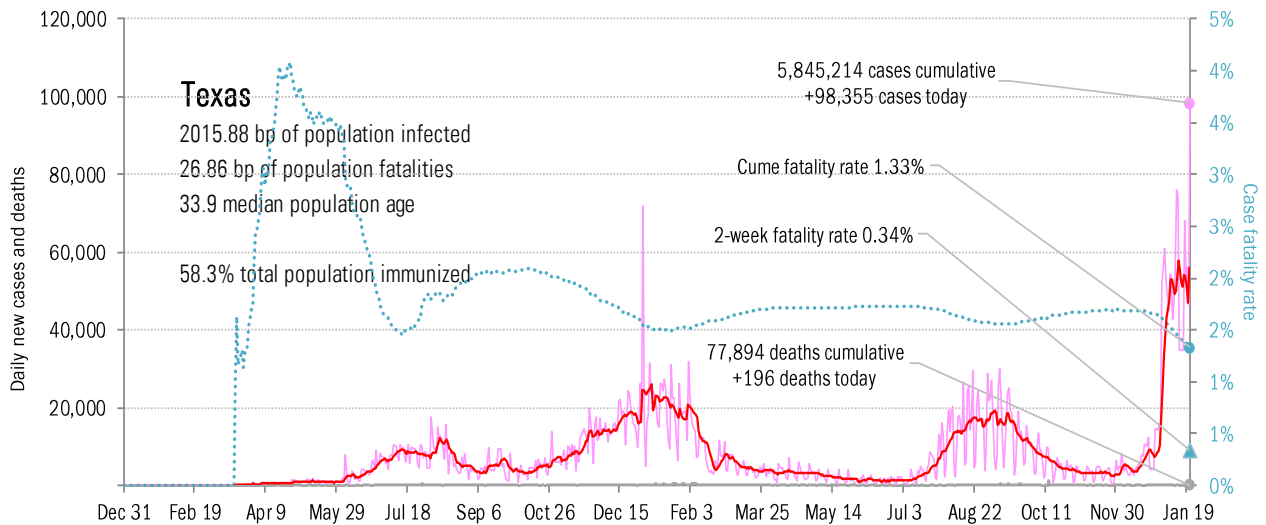
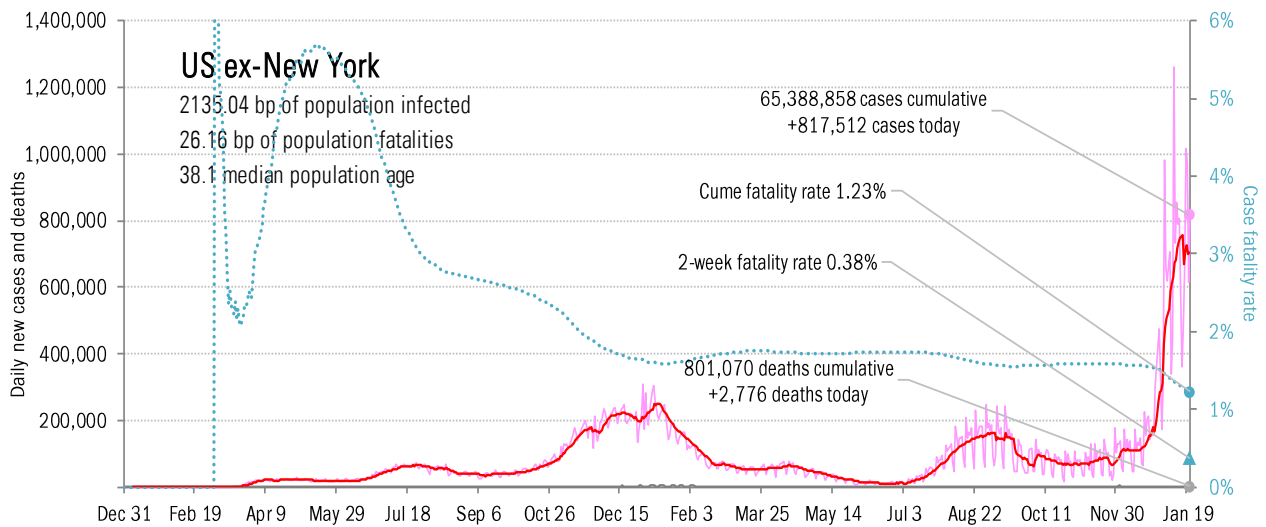
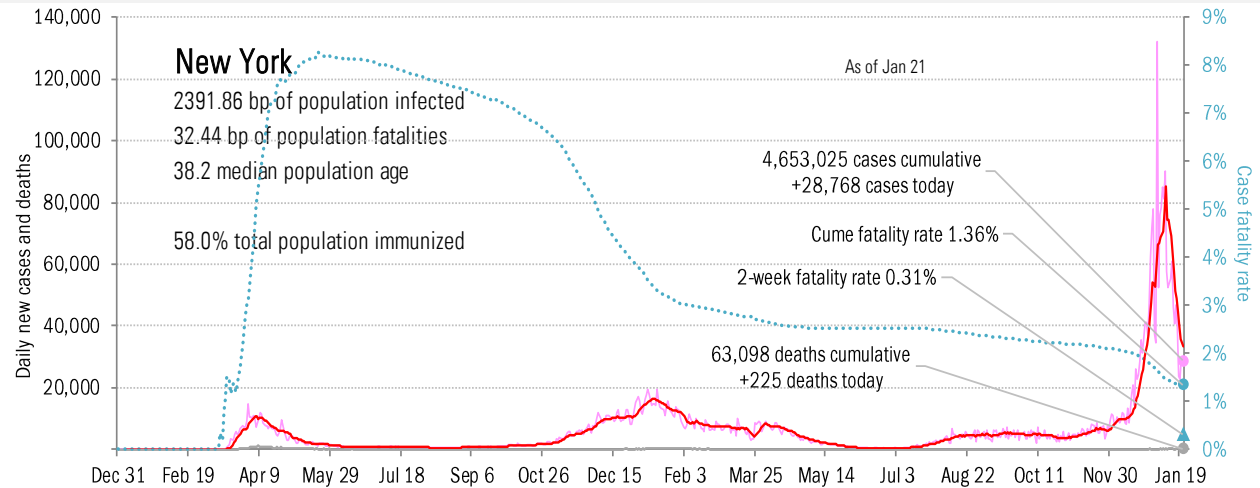
Test data for WA is temporarily not available.

17 of 52 states & territories in two-week downtrends
As of Jan 21

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

From Ground Zero to the Rio Grande

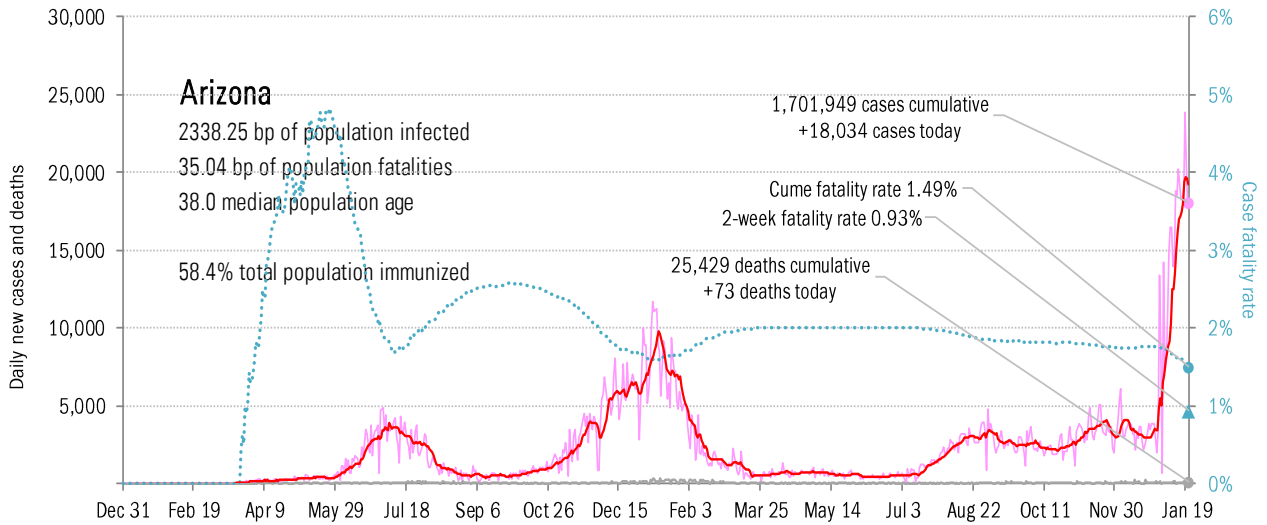
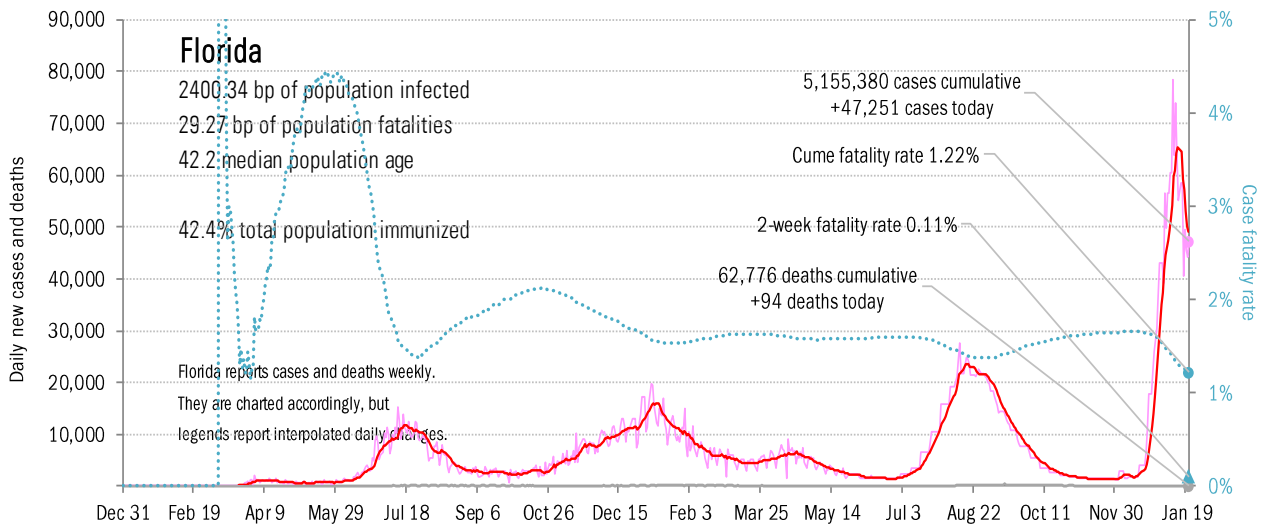
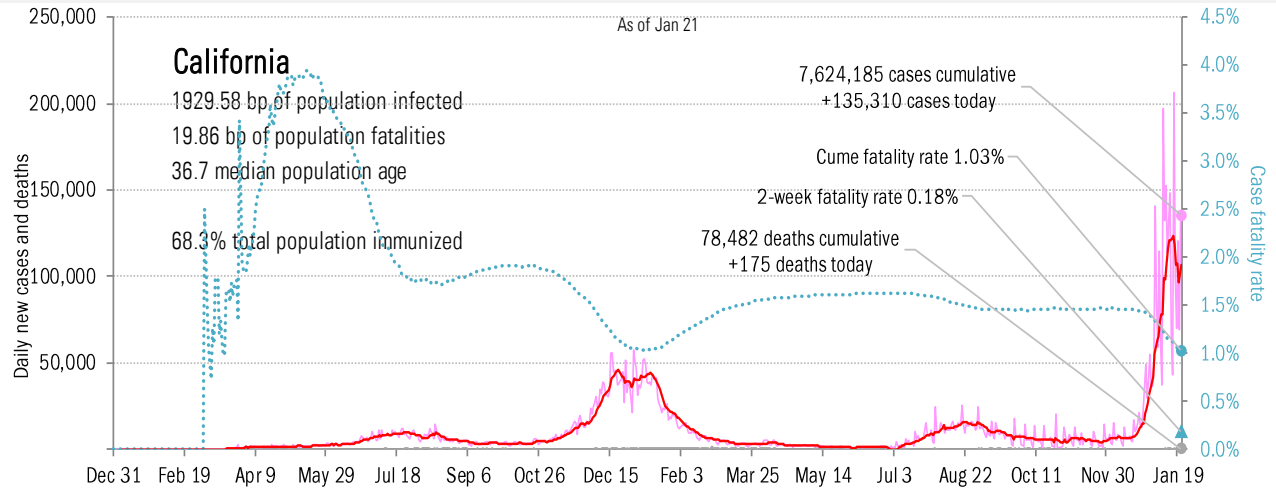
Cases: 7-day average and daily Deaths: Daily



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

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

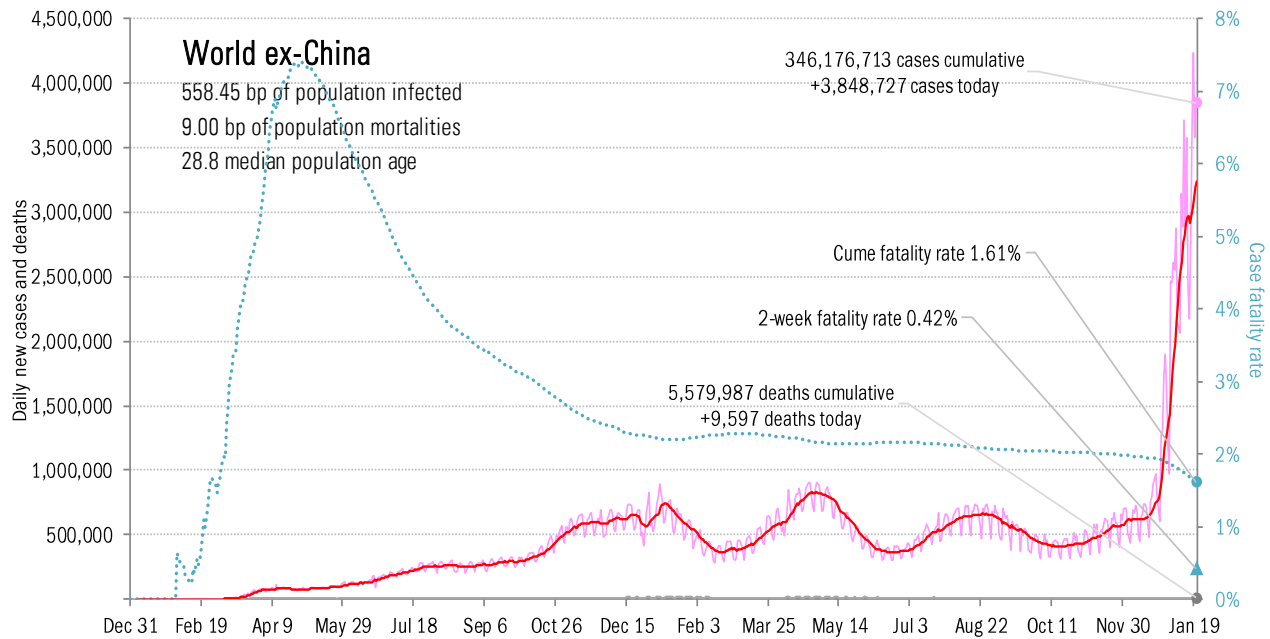
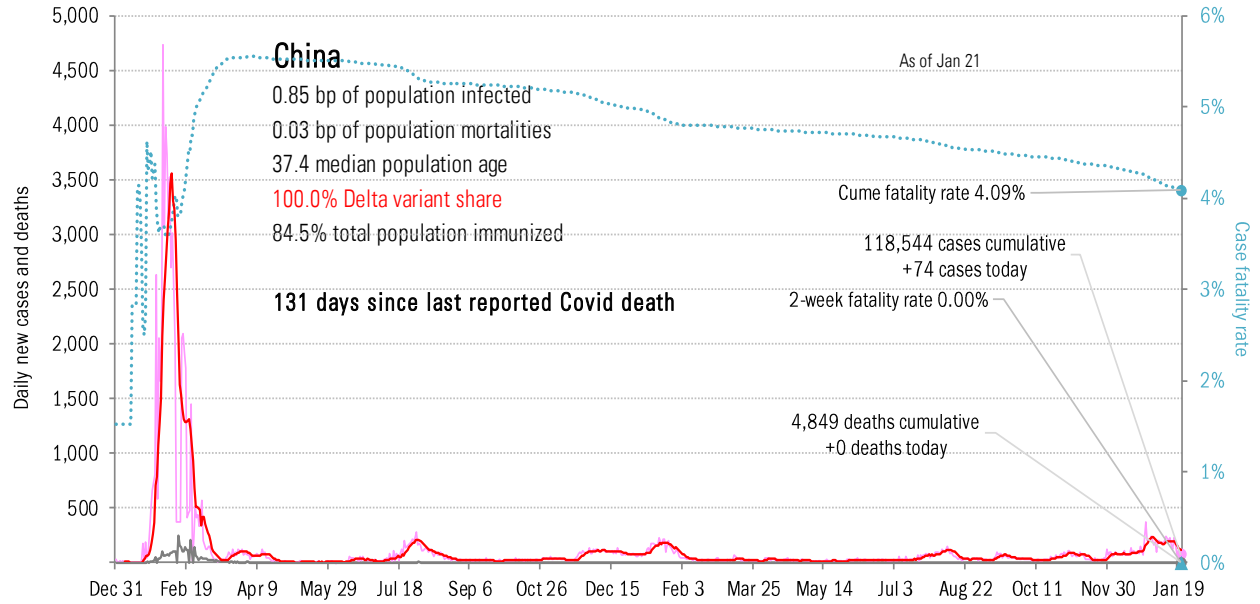
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

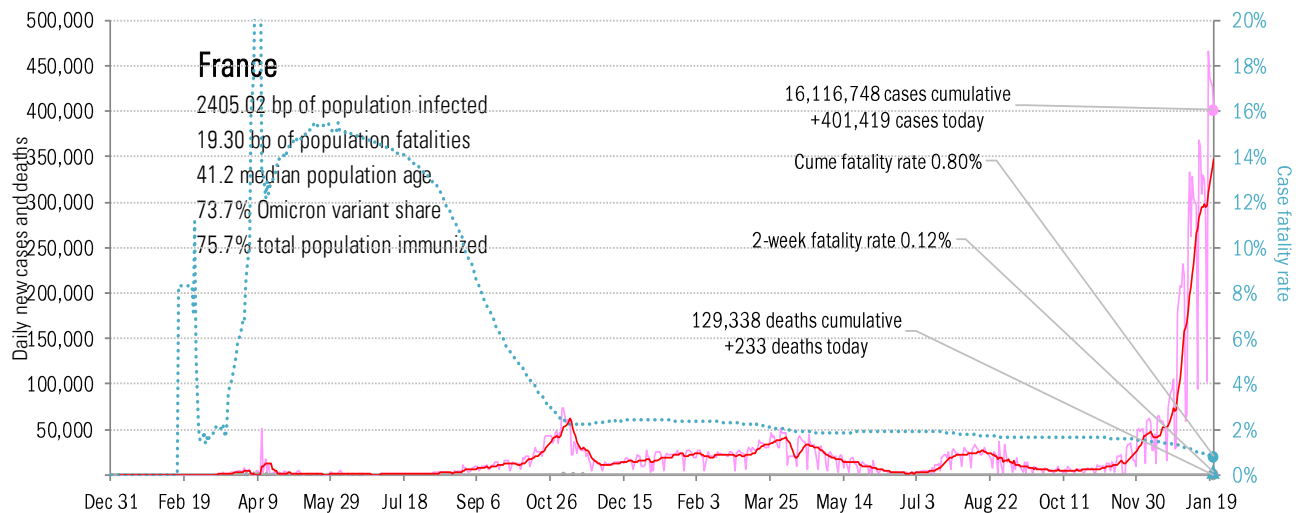
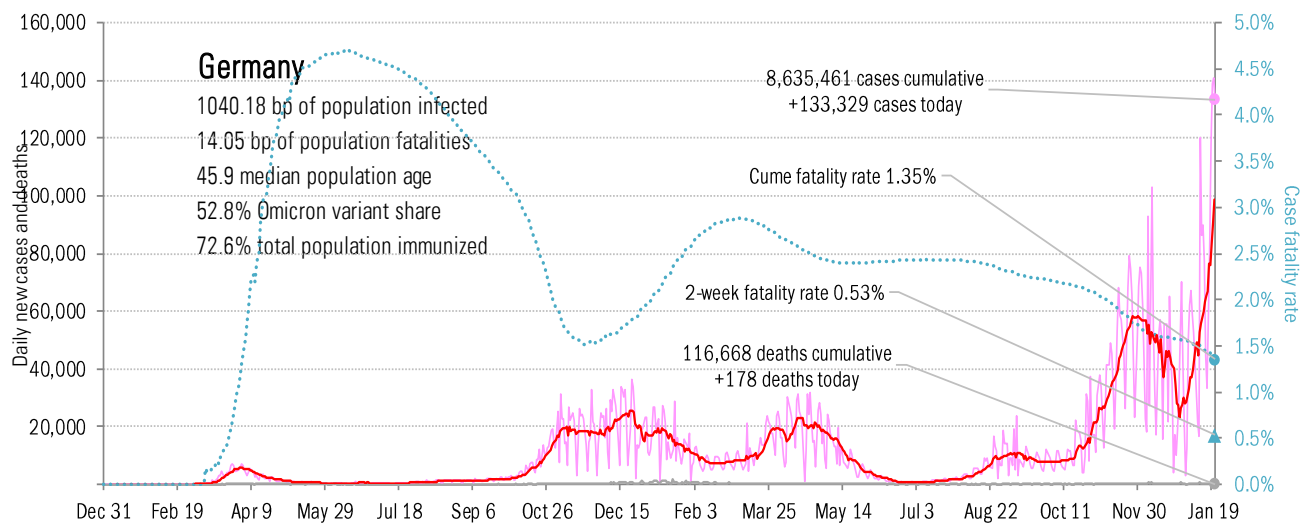
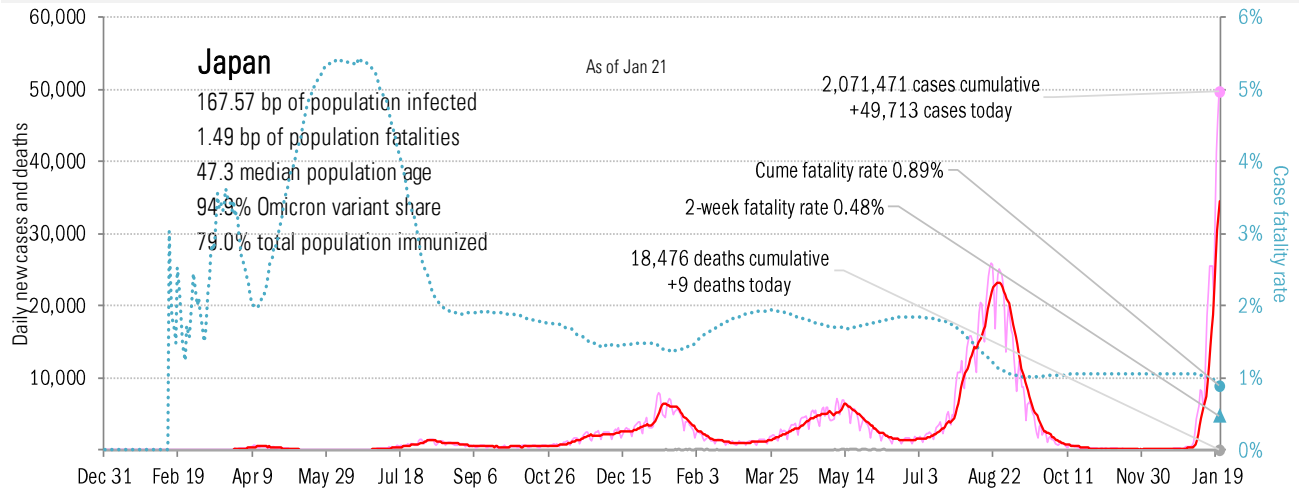
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

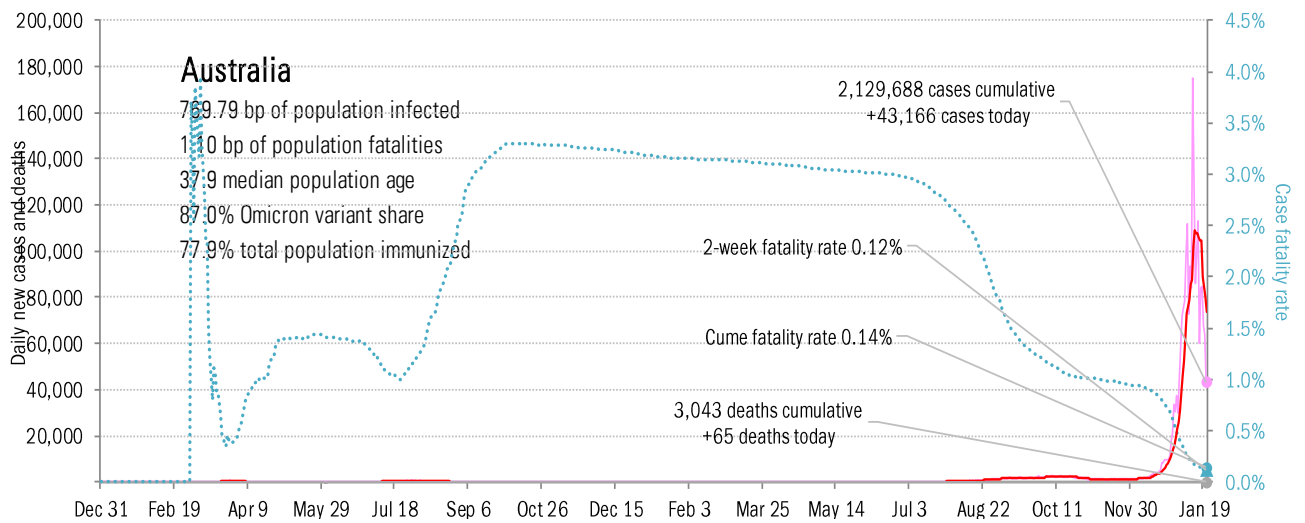
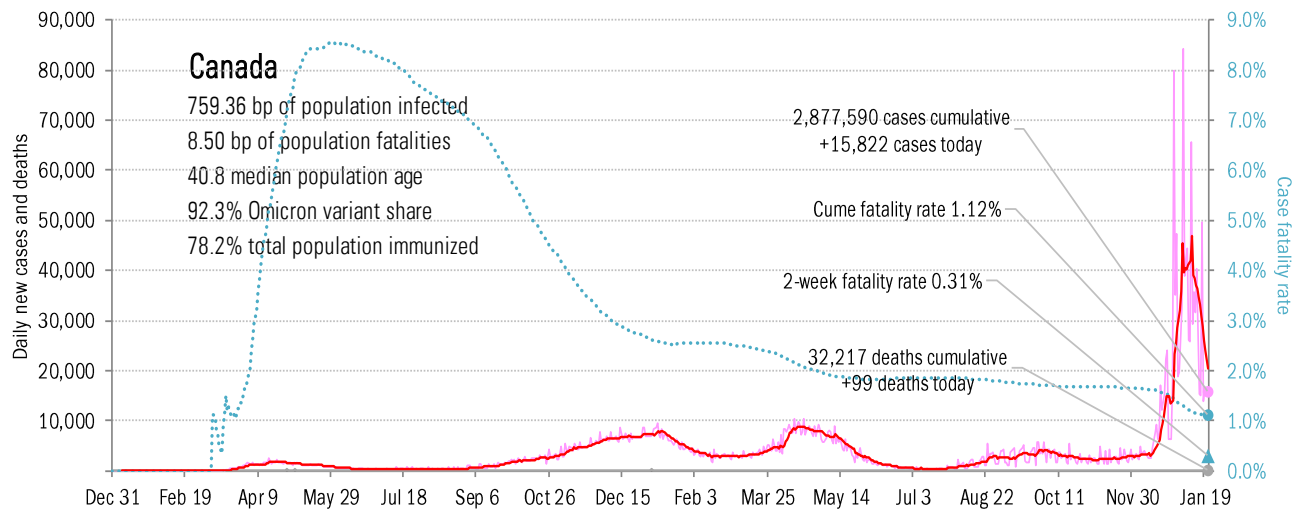
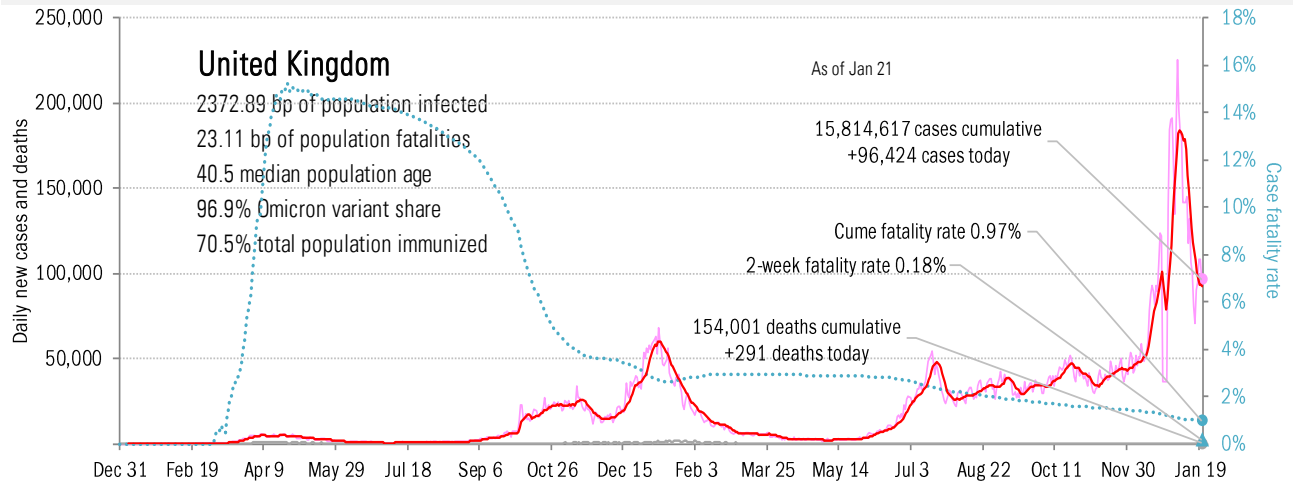
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

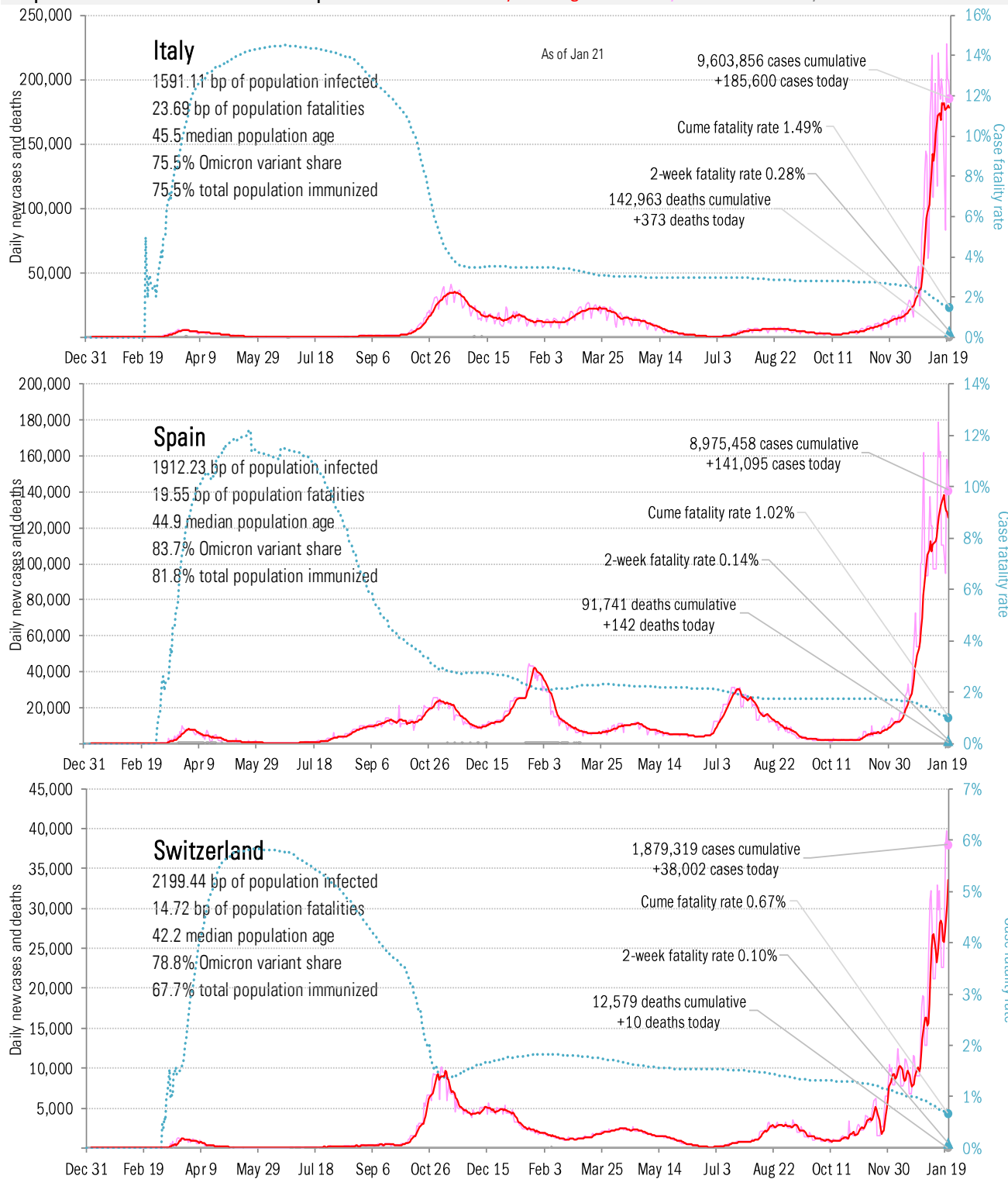
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

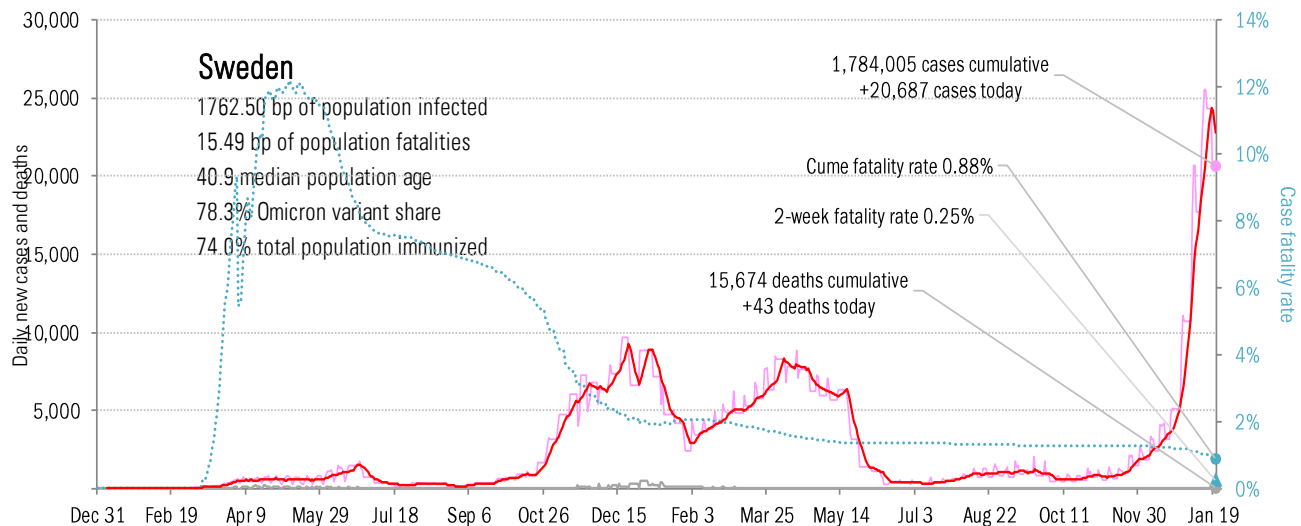
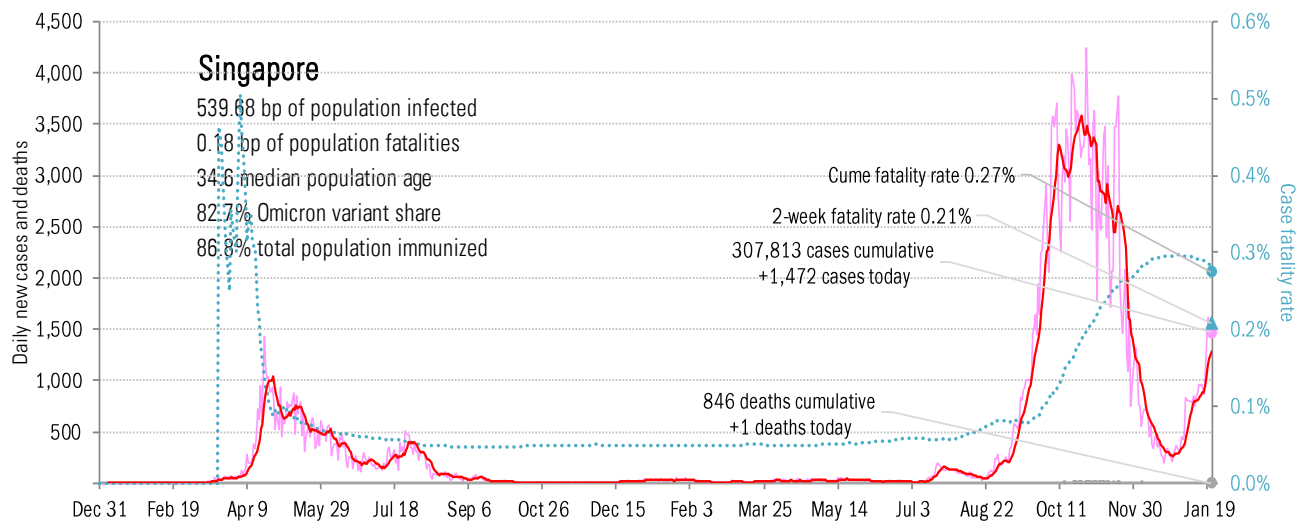
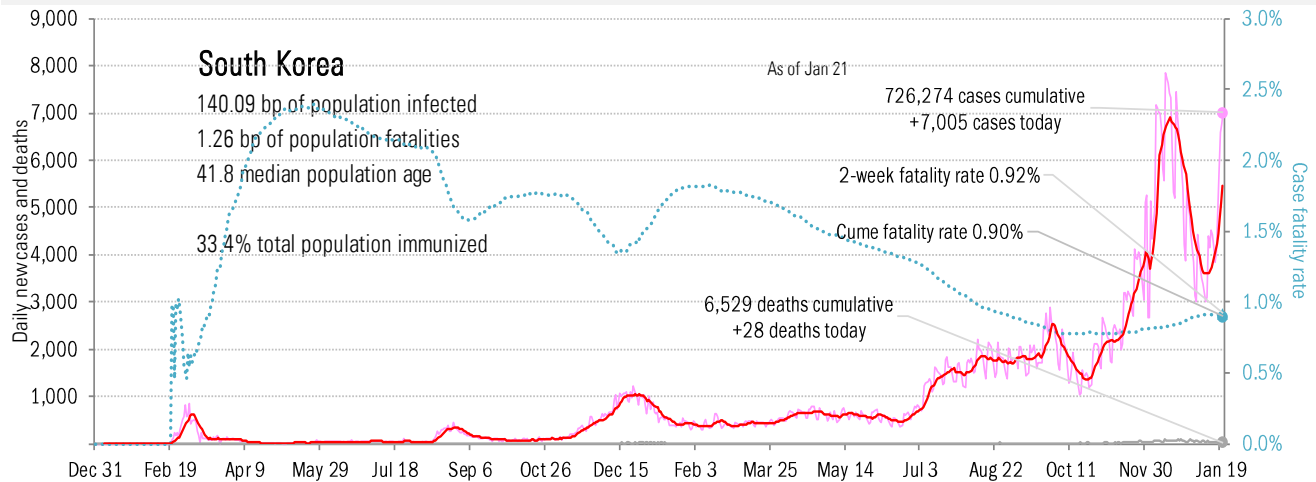
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

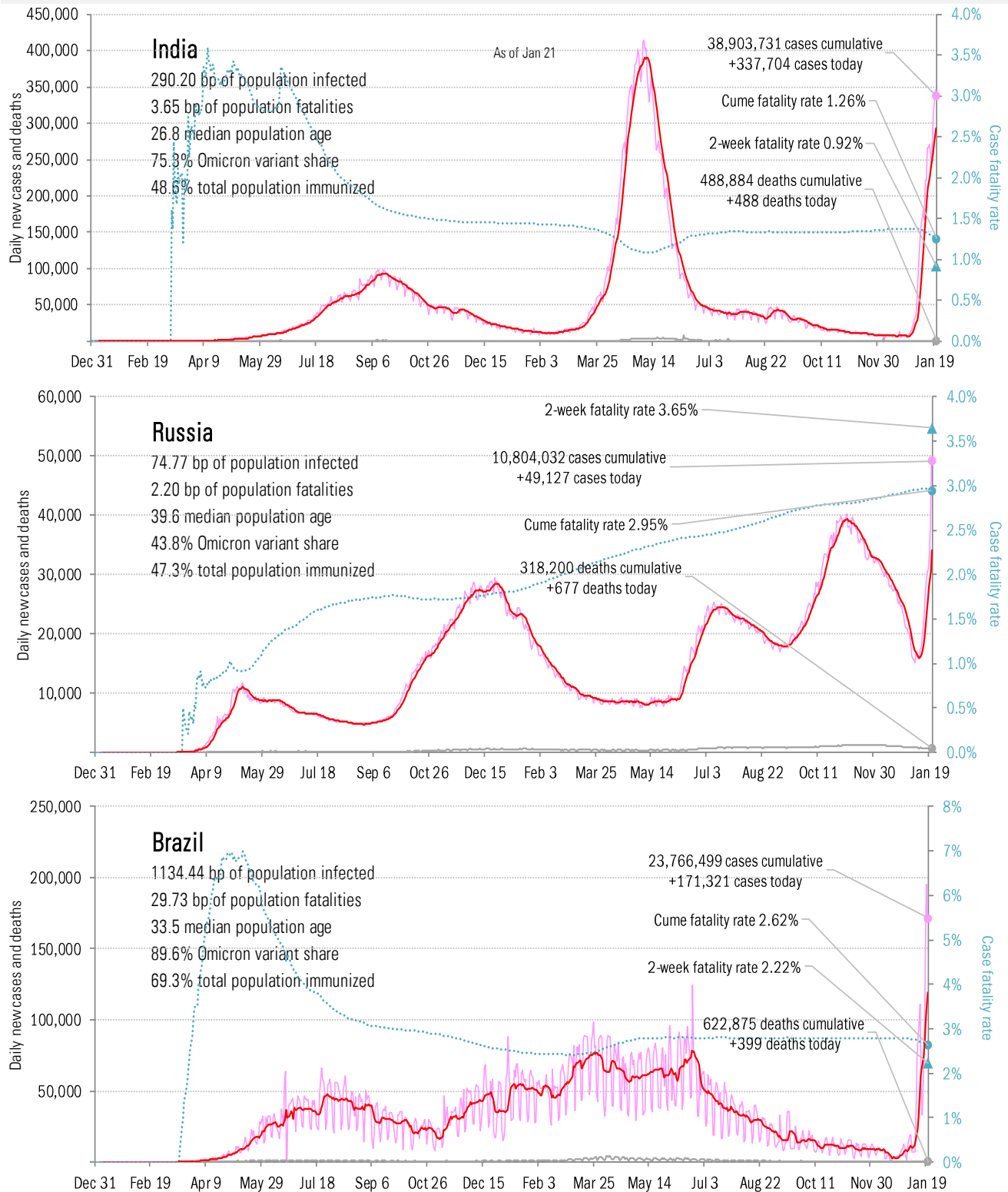
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

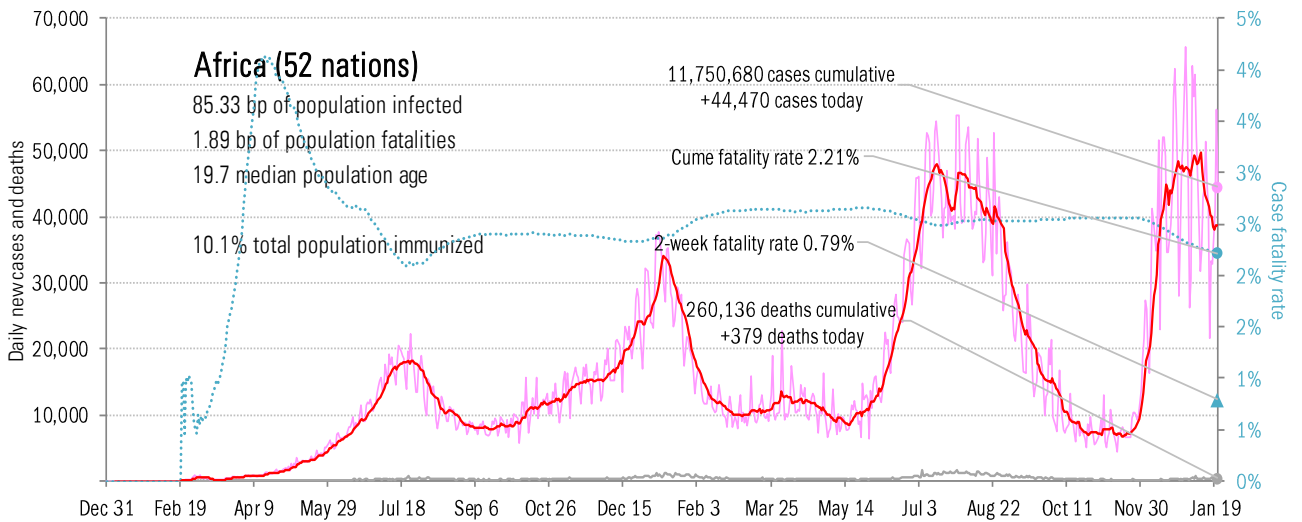
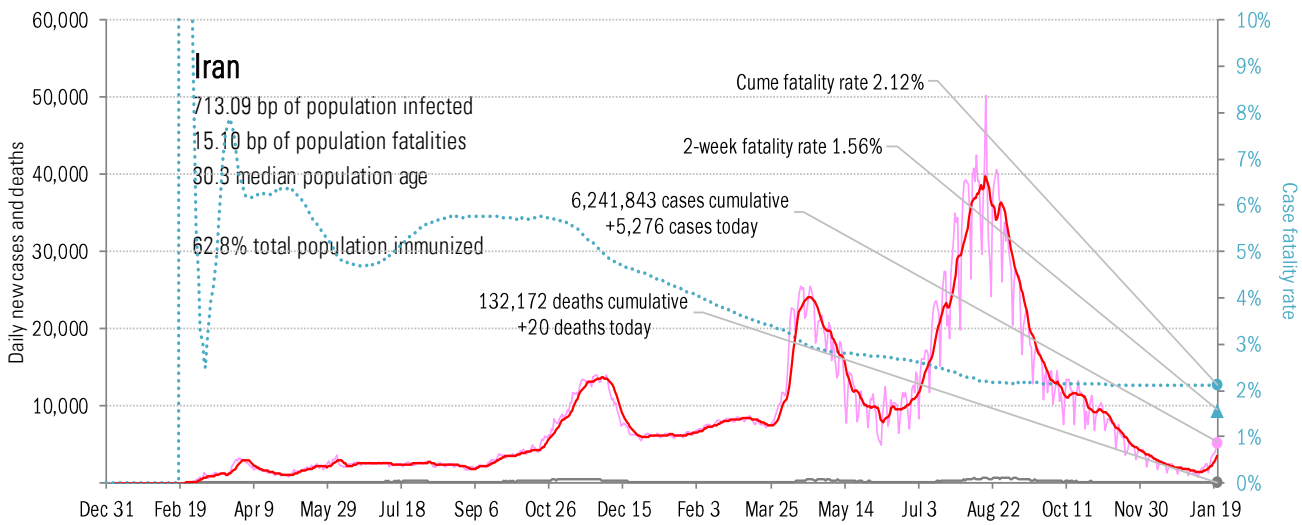
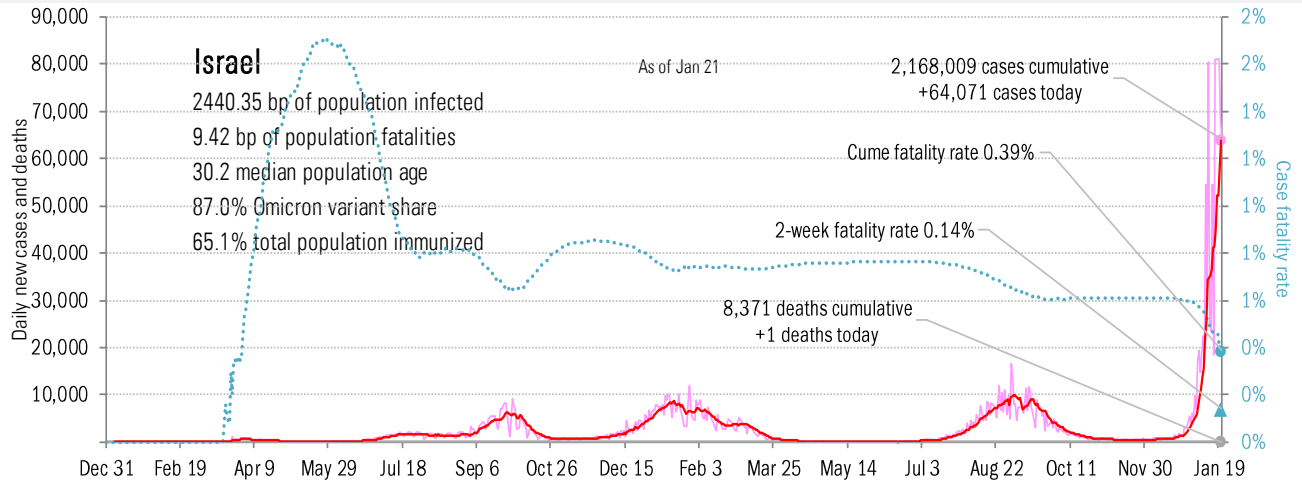
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

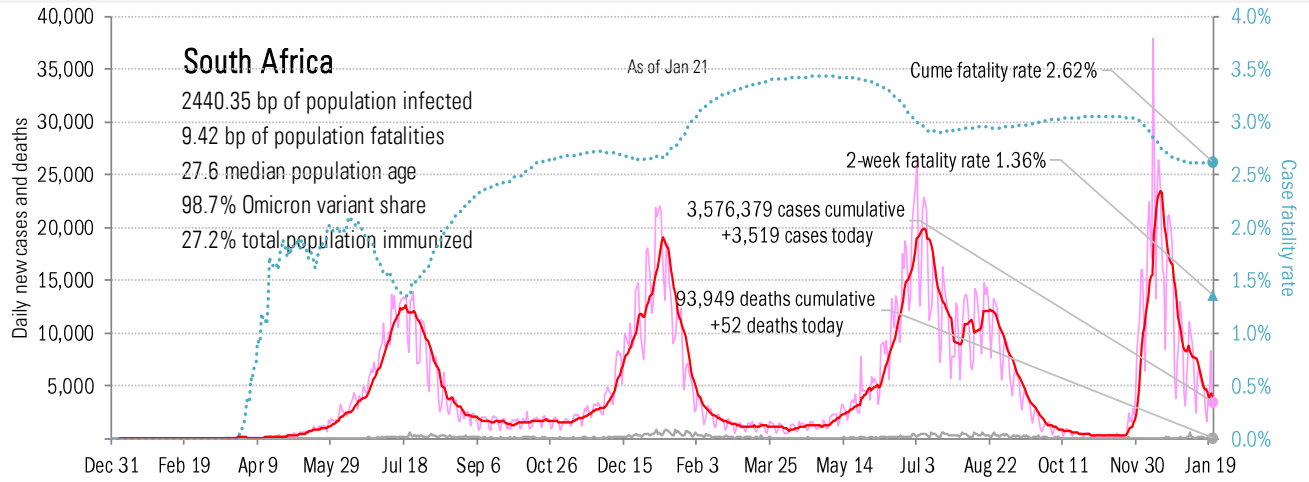
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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