

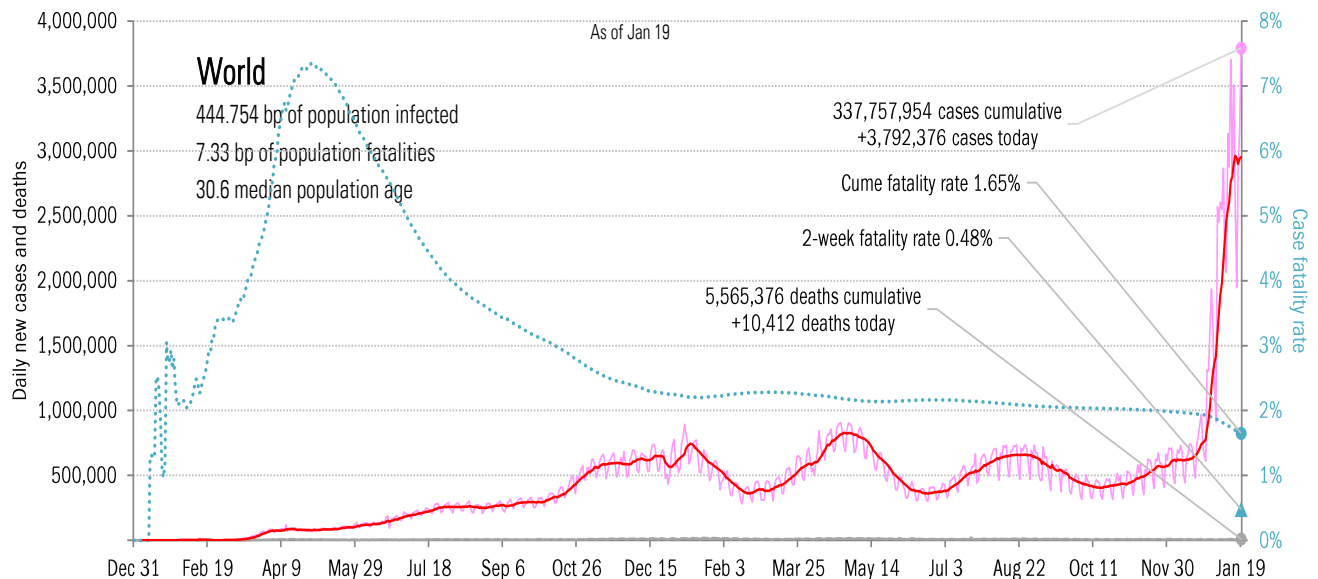
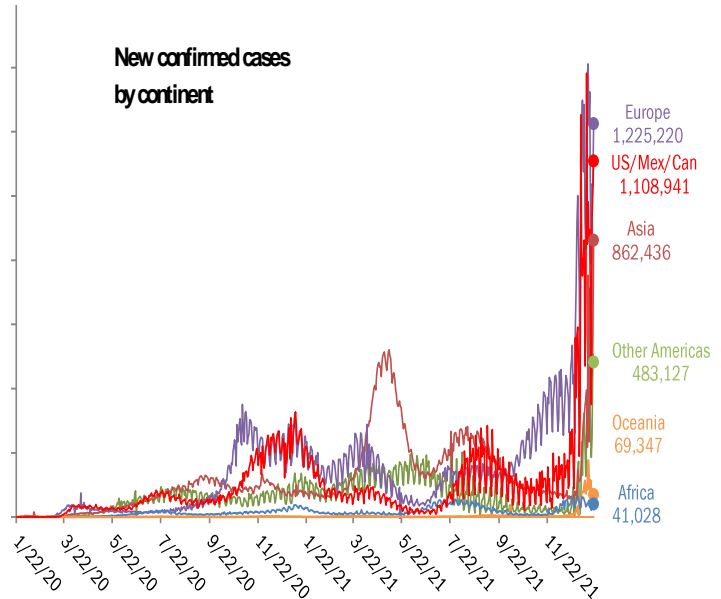
Data Insights: Covid-2019 Monitor

Thursday, January 20, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	982,197	United States	3,810
India	317,532	Russia	684
Israel	243,295	Mexico	643
Italy	200,966	India	491
Brazil	195,541	Italy	380
Spain	157,941	Poland	376
Germany	139,000	United Kingdom	361
Argentina	128,321	Brazil	322
Mexico	109,895	Germany	236
United Kingdom	108,219	Argentina	208
2,582,907		7,511	
World 3,792,376		World 10,412	
Top ten 68%		Top ten 72%	



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

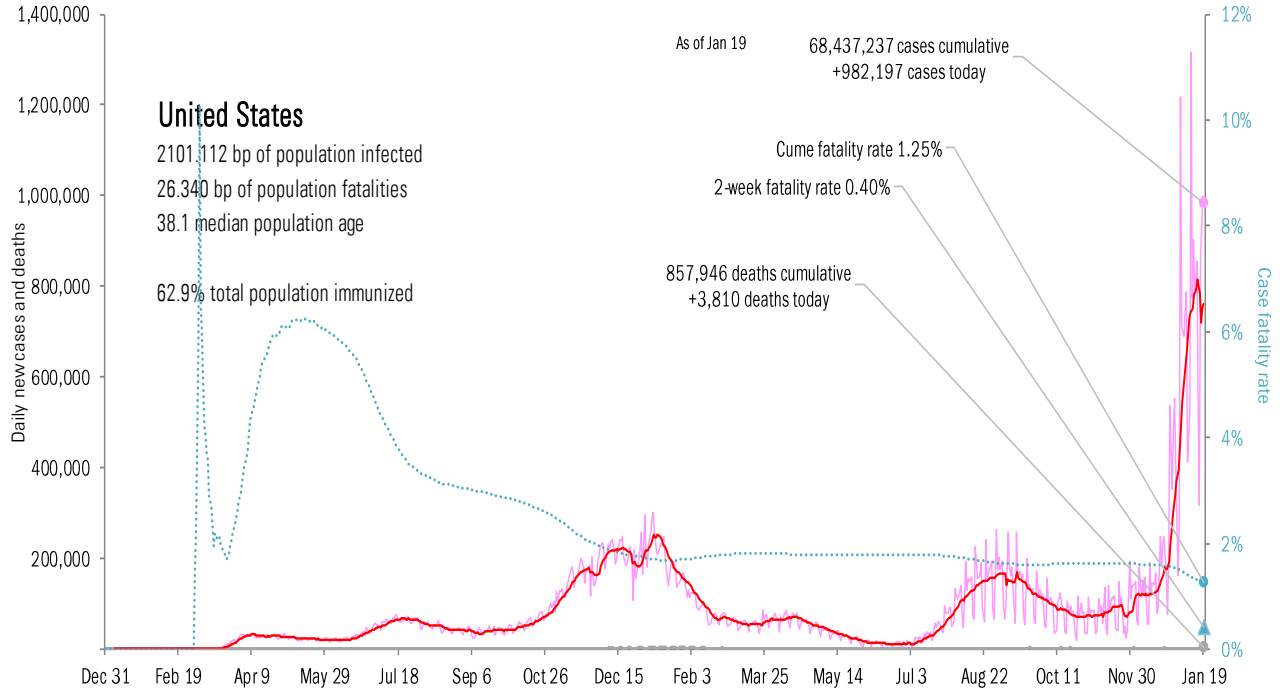
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
TN	112,629	MI	566	AZ	79	CA	7,326,549	CA	78,101	TX	435,214	GA	89%	KY	94%						
CA	110,214	NY	265	OK	73	TX	5,679,310	TX	77,515	FL	371,994	RI	87%	AL	92%						
MI	98,927	MA	208	AL	58	FL	5,064,005	FL	62,682	CA	368,986	WA	86%	TX	91%						
TX	55,380	IL	160	AR	45	NY	4,594,182	NY	62,672	NY	221,310	MD	85%	NV	91%						
FL	45,456	TX	153	OR	44	IL	2,709,474	PA	38,767	GA	185,136	MN	85%	OK	91%						
MN	44,616	MO	150	MS	41	PA	2,506,602	GA	32,072	OH	172,412	PA	85%	GA	90%						
KS	38,804	NJ	145	PR	37	CH	2,439,205	IL	31,943	PA	158,851	MA	84%	RI	90%						
NV	31,066	KS	130	NE	31	GA	2,188,320	MI	31,275	IL	142,047	NH	84%	MS	89%						
GA	27,781	IA	116	NM	28	NC	2,147,777	CH	31,245	MI	127,649	FL	84%	IN	89%						
IL	26,491	IN	115	UT	17	MI	2,082,983	NJ	30,315	KY	126,591	AZ	83%	MO	88%						
591,364			2,008			453			36,738,407			476,587			2,310,190						
All states 982,197			3,810			-2,045			All states 68,437,237			857,946			4,167,054			All states 70%		67%	
Top ten 60%			53%			-22%			Top ten 54%			56%			55%			Median 79%		83%	

Some states not reporting

Five most improved US states

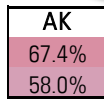
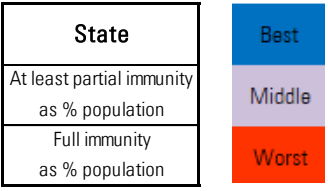
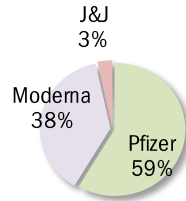
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NC	-101,727	FL	-178	CA	-561	MP	+40 bp
IL	-66,852	AZ	-162	PA	-480	NV	+20 bp
SC	-61,283	IL	-91	NY	-444	AR	+10 bp
WA	-50,560	SC	-87	FL	-324	AZ	+10 bp
MA	-44,873	OK	-74	IL	-286	KS	+10 bp



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

Rolling out the vaccines in the US and the world

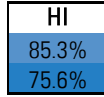
Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	543,916,574		+1.167 million		US	62.9%	75.2%	
Boosters	82,827,441		+0.647 million		UK	70.4%	76.5%	
	One dose	% Pop	Immune	% pop	New immune today	France	75.5%	79.4%
Total population	257,143,384	77%	215,542,186	65%	+1.069 million	Spain	81.7%	86.7%
Age 12 to 17	15,775,377	66%	13,163,398	55%	+0.086 million	Germany	72.4%	74.6%
Age 18 to 64	173,790,651	85%	146,094,668	72%	+0.835 million	Italy	75.4%	82.2%
Age 65 and over	58,378,901	100%	49,942,862	91%	+0.070 million	Australia	77.8%	82.0%
						Israel	65.1%	71.9%
						Canada	78.1%	84.5%
						Japan	79.0%	80.3%
						Africa	10.1%	15.3%
						India	47.9%	66.0%
						Brazil	69.0%	78.3%
						China	84.5%	87.5%



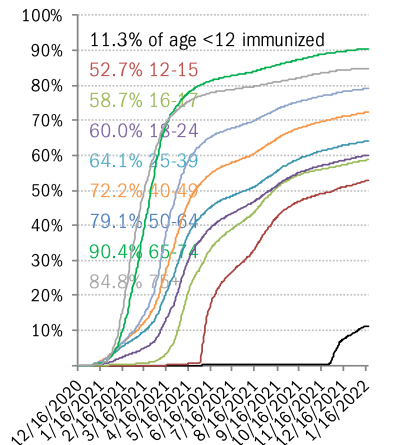
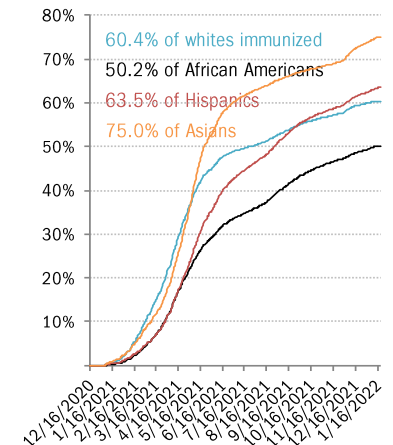
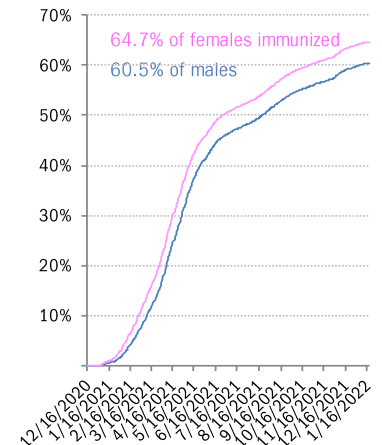
As of Jan 20



WA 78.0% 69.5%	ID 54.0% 47.6%	MT 63.3% 54.9%	ND 63.6% 53.7%	MN 72.9% 66.5%	IL 74.6% 65.5%	MI 64.7% 57.7%	NY 86.6% 73.3%	VT 91.4% 78.9%	NH 95.0% 68.3%	
OR 75.4% 67.4%	NV 72.1% 57.9%	WY 57.3% 48.5%	SD 73.1% 58.4%	IA 66.2% 59.9%	IN 59.3% 52.8%	OH 61.9% 56.3%	PA 80.9% 65.1%	NJ 86.3% 71.8%	MA 93.5% 75.8%	
CA 85.6% 67.8%	UT 69.0% 60.2%	CO 76.7% 67.6%	NE 68.1% 61.1%	MO 64.0% 54.0%	KY 64.1% 55.2%	WV 63.2% 55.9%	VA 82.5% 70.1%	MD 82.7% 71.9%	CT 91.5% 75.9%	RI 93.0% 78.1%
	AZ 69.3% 58.3%	NM 83.3% 67.7%	KS 71.7% 58.5%	AR 64.5% 52.3%	TN 60.2% 52.4%	NC 79.9% 57.9%	SC 65.2% 54.5%	DC 91.9% 69.3%	DE 79.3% 65.6%	
		OK 68.4% 54.6%	LA 59.0% 51.3%	MS 57.6% 49.6%	AL 60.4% 48.9%	GA 63.2% 52.4%				
		TX 68.9% 58.2%					FL 76.6% 64.6%		PR 90.9% 78.1%	



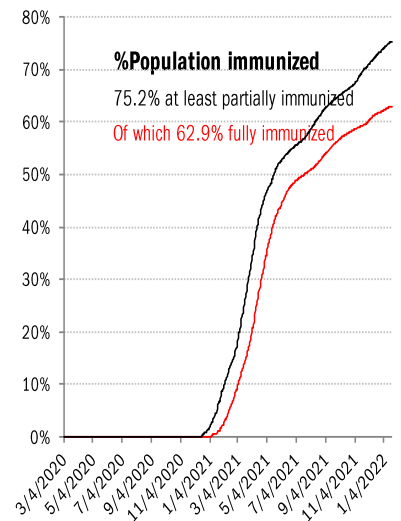
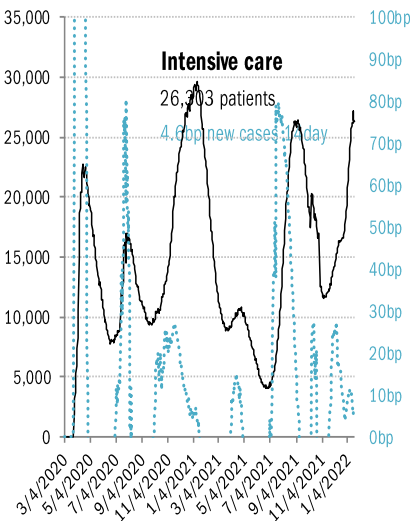
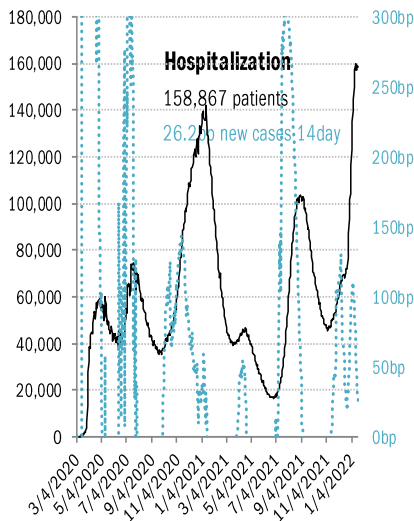
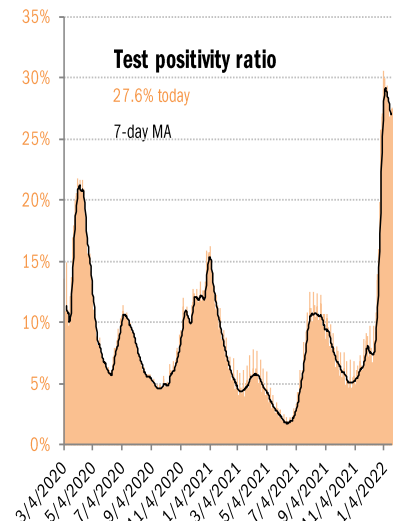
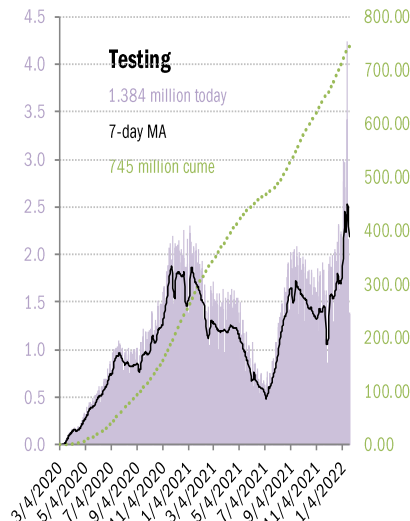
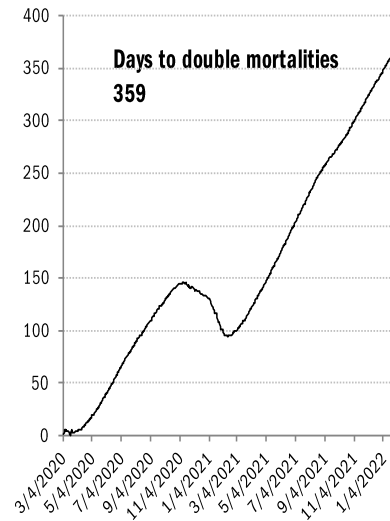
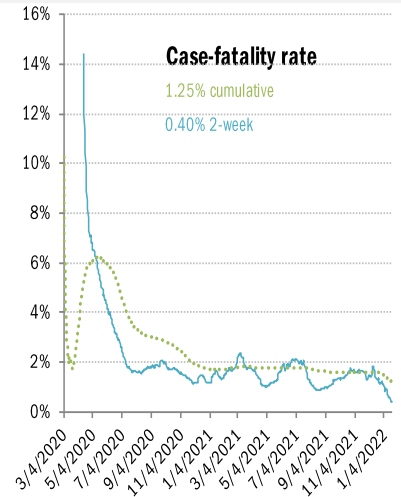
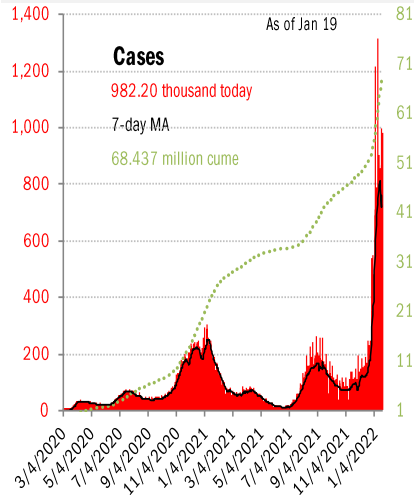
The demographics of US vaccination



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

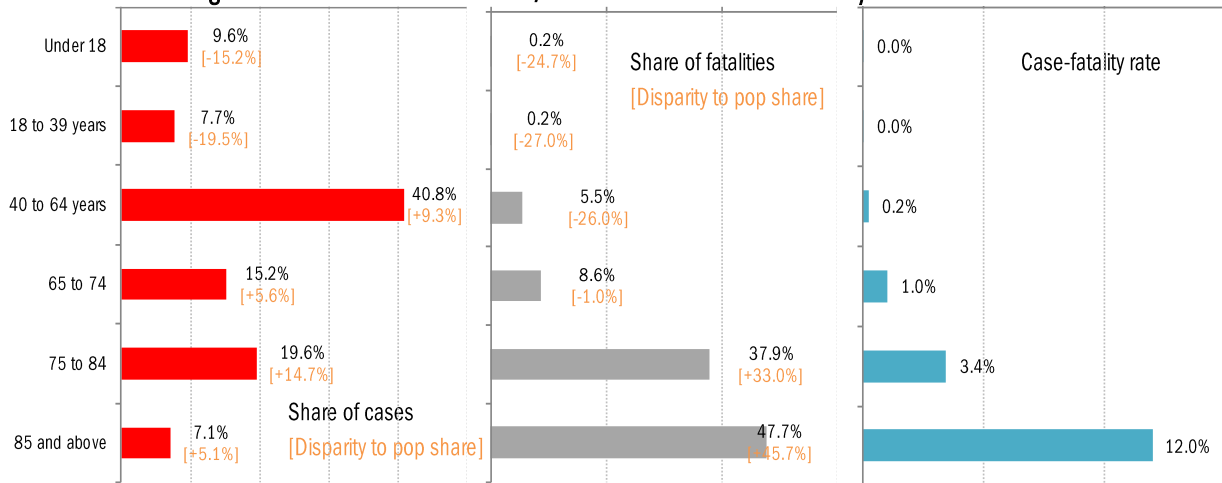
US deep-dive

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

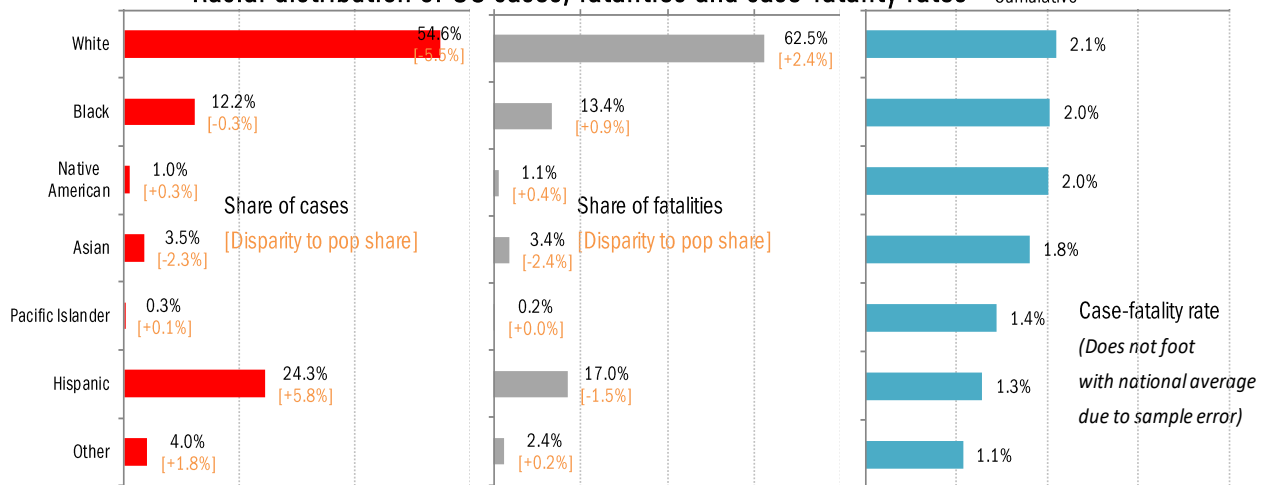


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

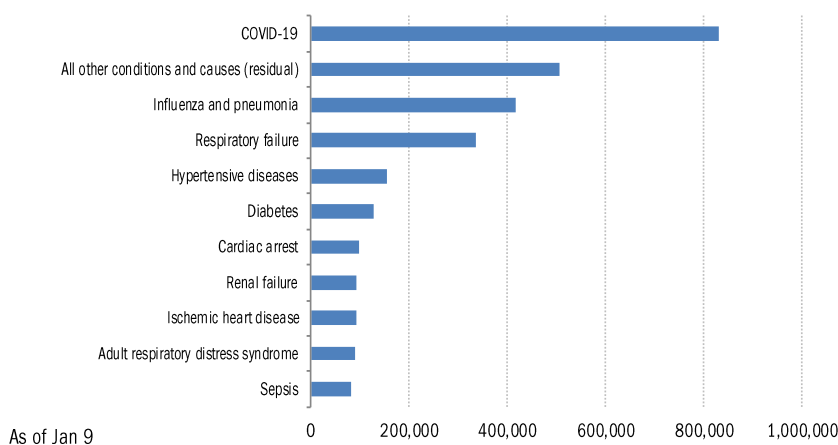


Racial distribution of US cases, fatalities and case-fatality rates



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

[Executive Branch Personnel Public Financial Disclosure Report: Anthony Fauci](#)
US Office of Government Ethics
2019 and 2020

[Disclosures Show Dr. Fauci's Household Made \\$1.7 Million In 2020, Including Income, Royalties, Travel Perks And Investment Gains](#)
Adam Andrzejewski
Forbes
January 15, 2022

[Ivermectin Prophylaxis Used for COVID-19: A Citywide, Prospective, Observational Study of 223,128 Subjects Using Propensity Score Matching](#)
Lucy Kerr et al.
Cureus
January 15, 2022

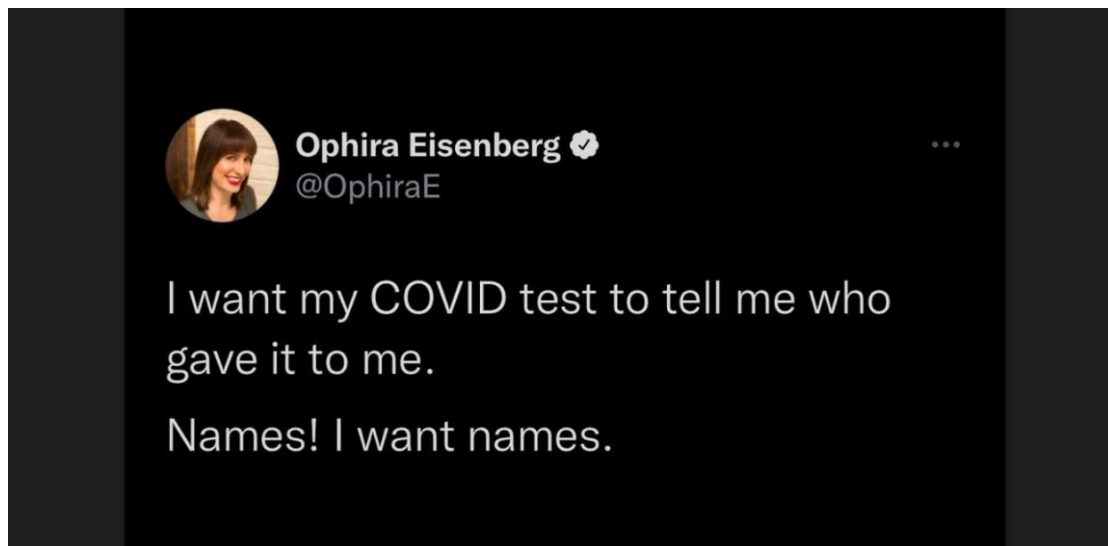
[New Peer-Reviewed Study Shows Ivermectin 'Significantly' Reduces COVID Infections, Hospitalization, and Mortality Rates](#)
Debra Heine
American Greatness
January 18, 2022

[An Economic Evaluation of Covid Lockdowns](#)
Tomas J. Philipson
Wall Street Journal
January 19, 2022

[COVID-19 Cases and Hospitalizations by COVID-19 Vaccination Status and Previous COVID-19 Diagnosis — California and New York, May–November 2021](#)
Tomás M. León et al.
CDC
January 19, 2022

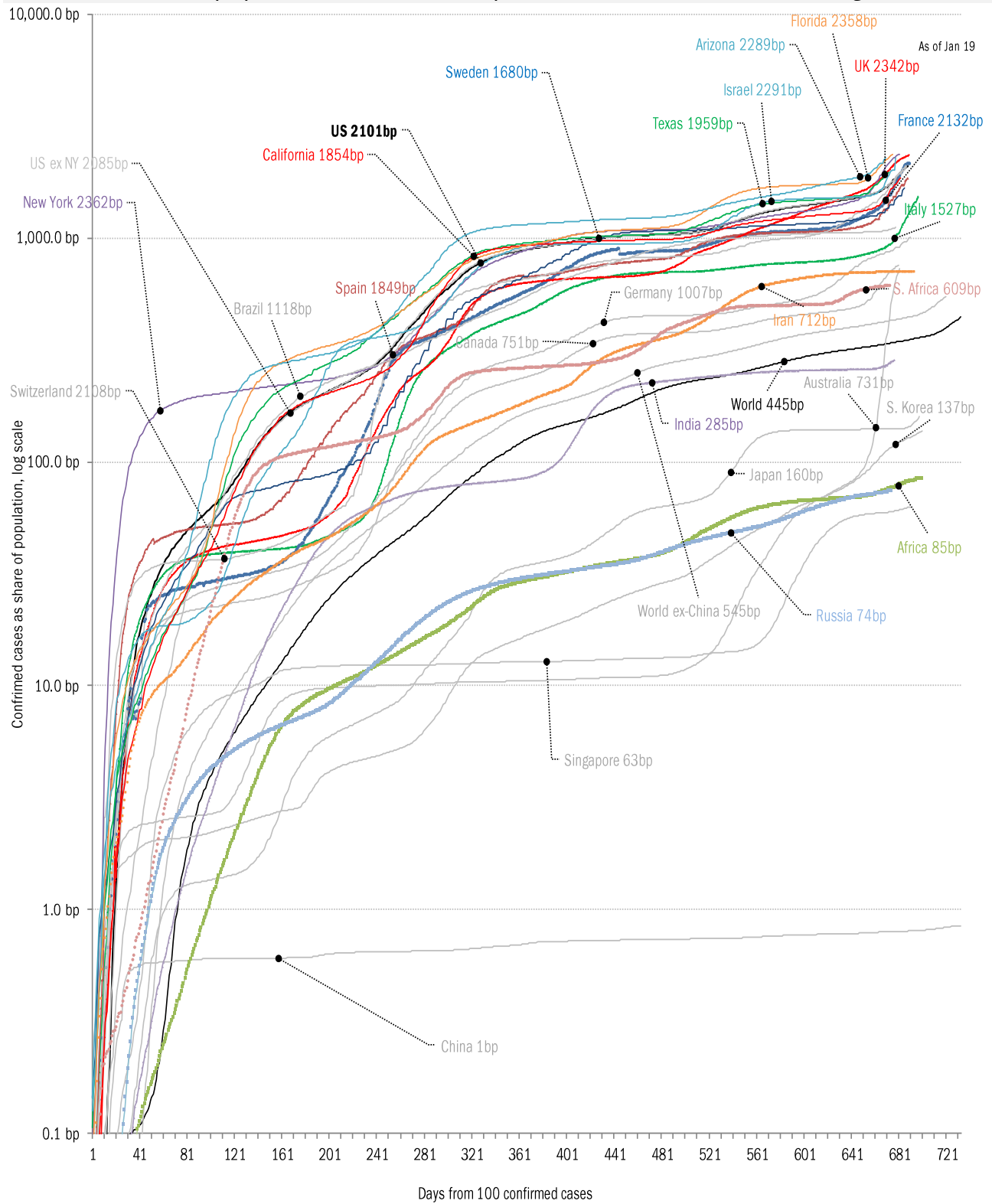
[Hong Kong Orders 2,000 Hamsters to Be Killed After Pet Shop Covid-19 Cases](#)
Dan Strumpf
Wall Street Journal
January 18, 2022

Meme of the day



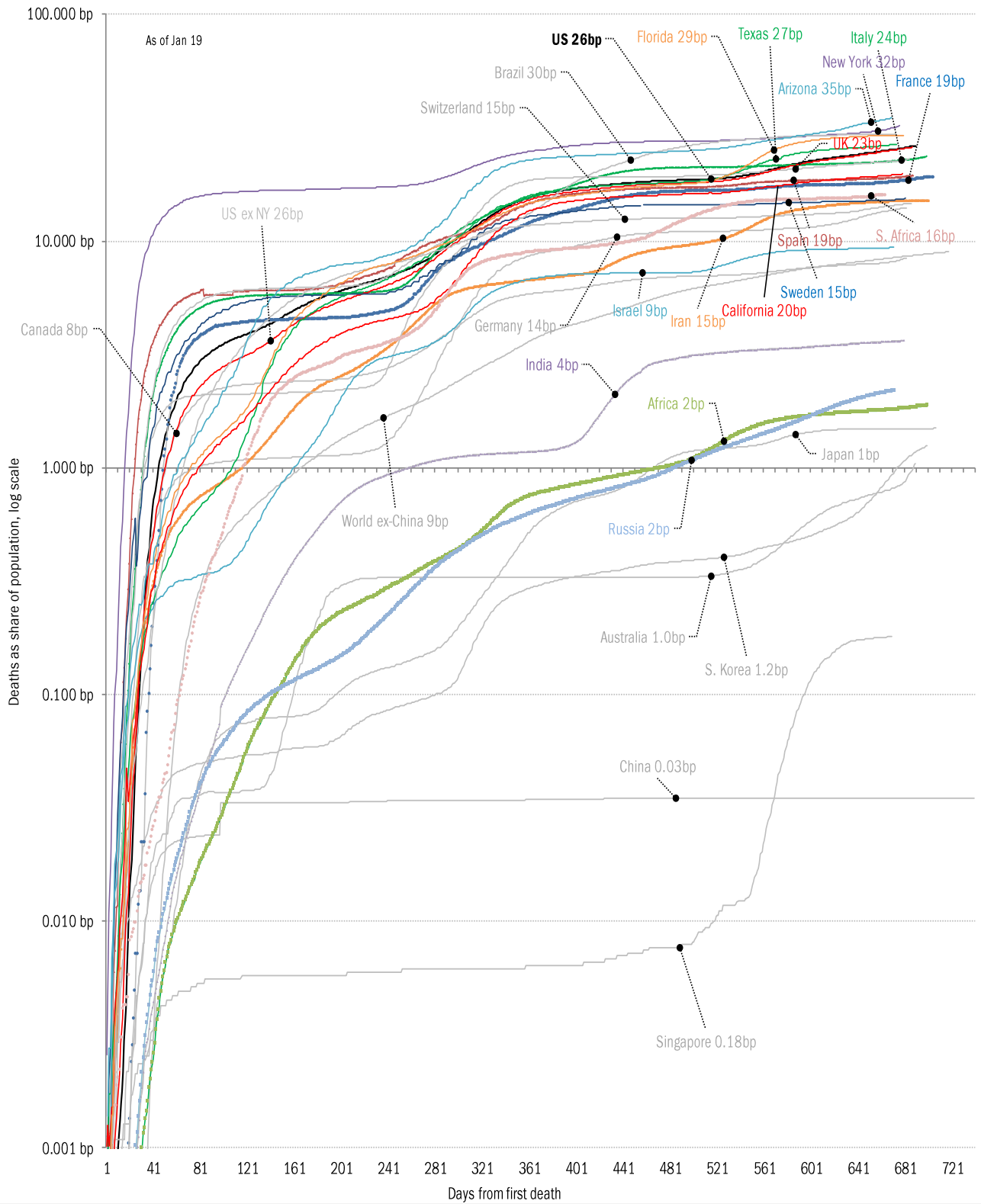
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

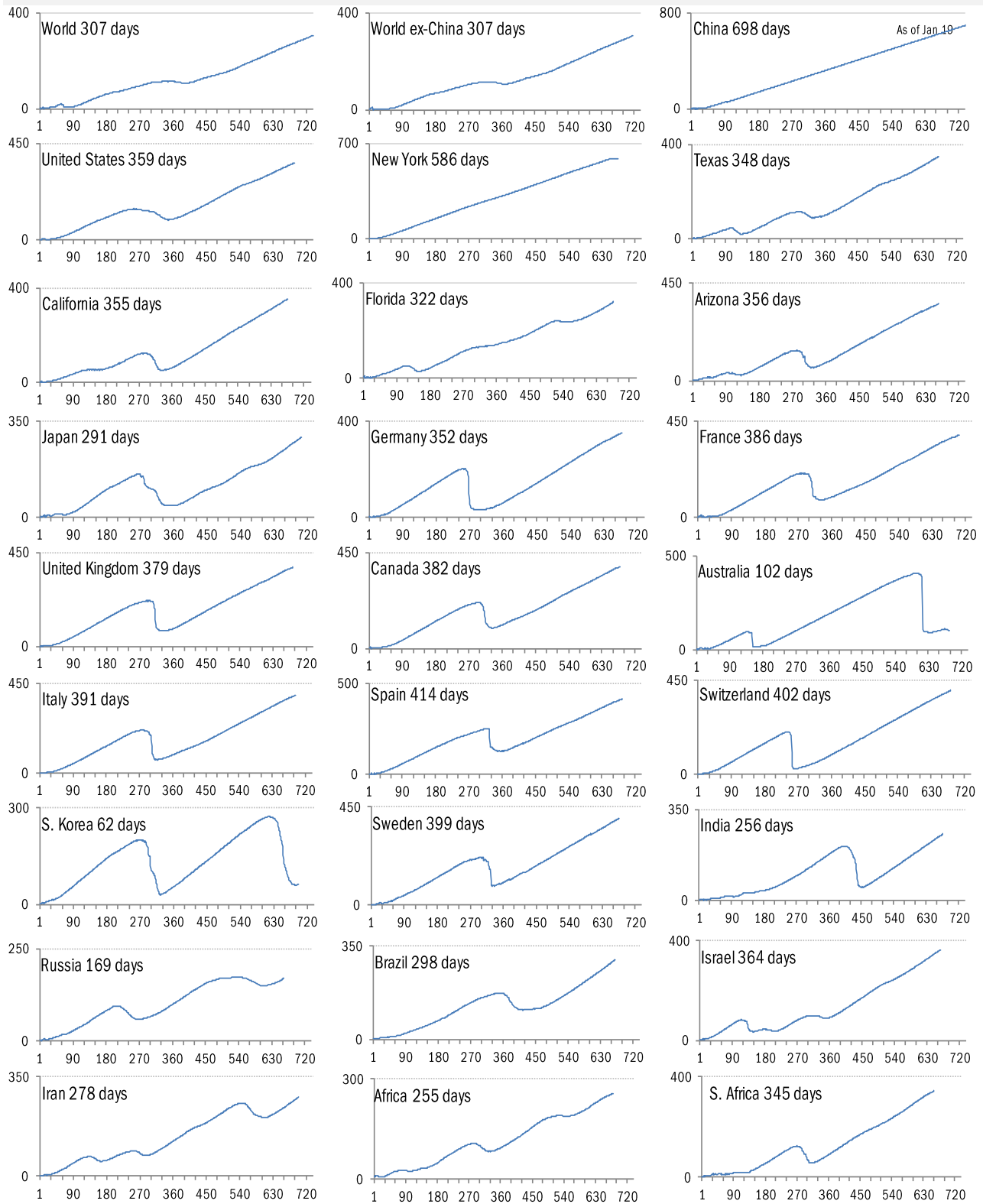


Source: [Johns Hopkins](#), TrendMacro calculations

"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

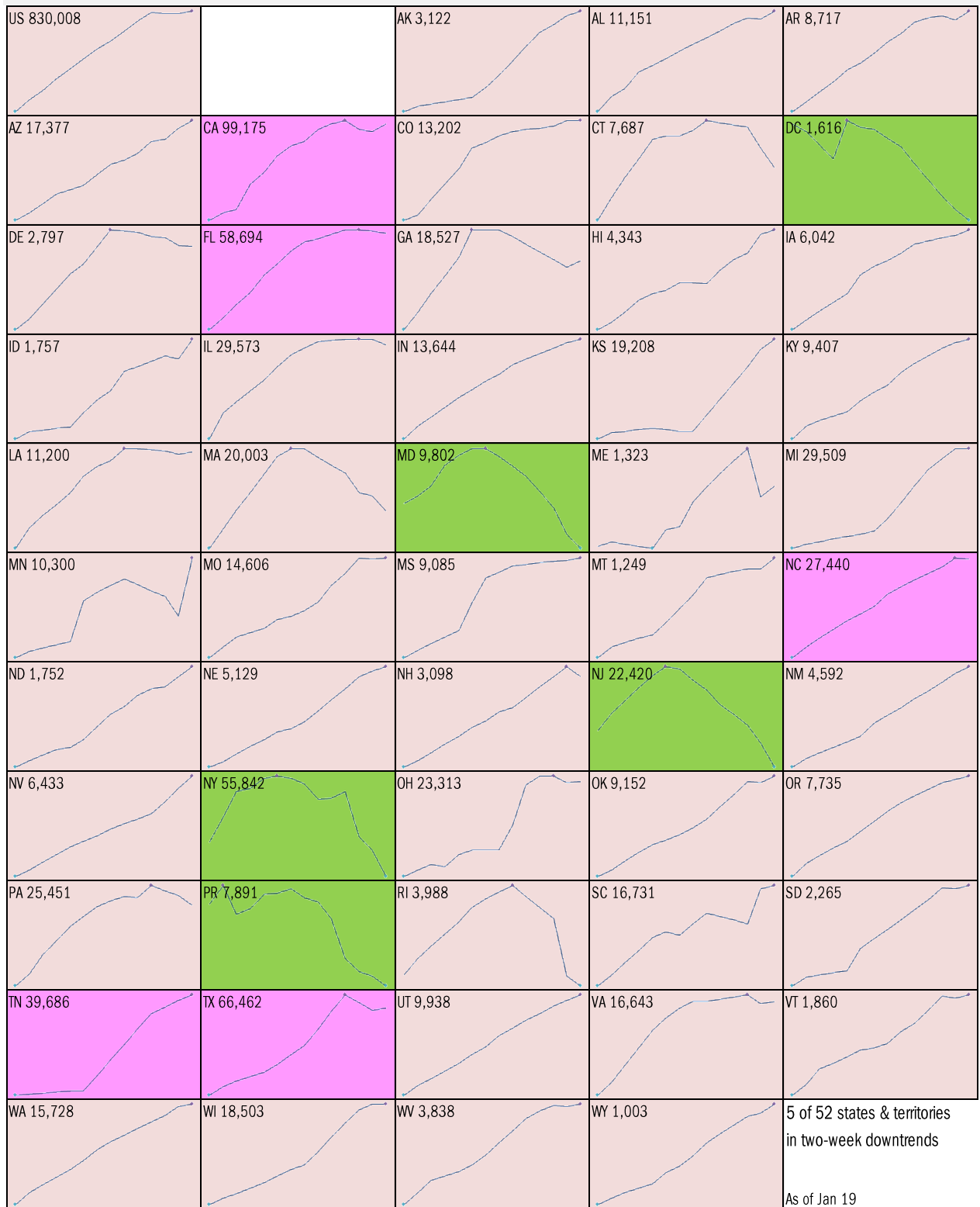


Source: [Johns Hopkins](#), TrendMacro calculations

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

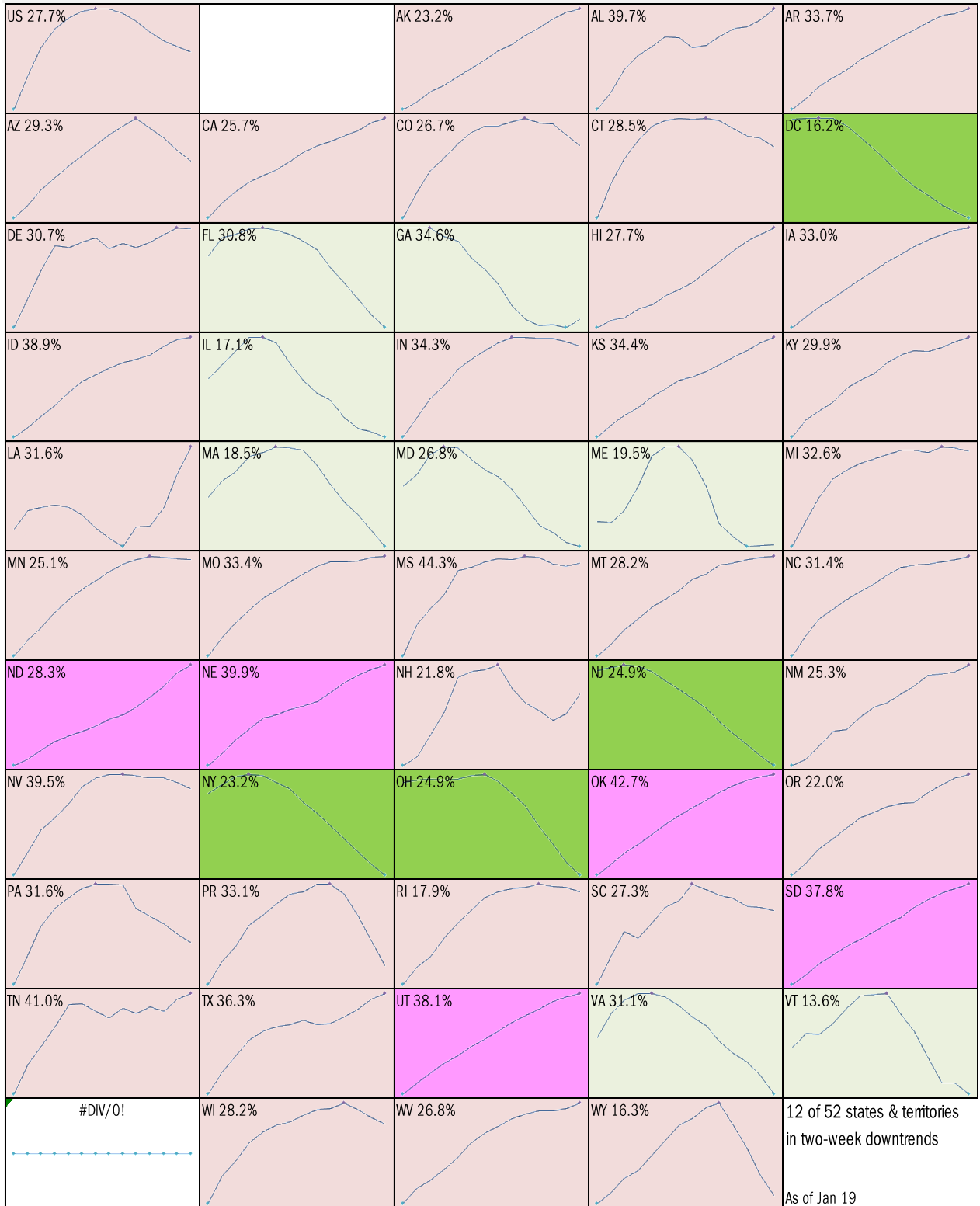


Source: [Johns Hopkins](#), TrendMacro calculations

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

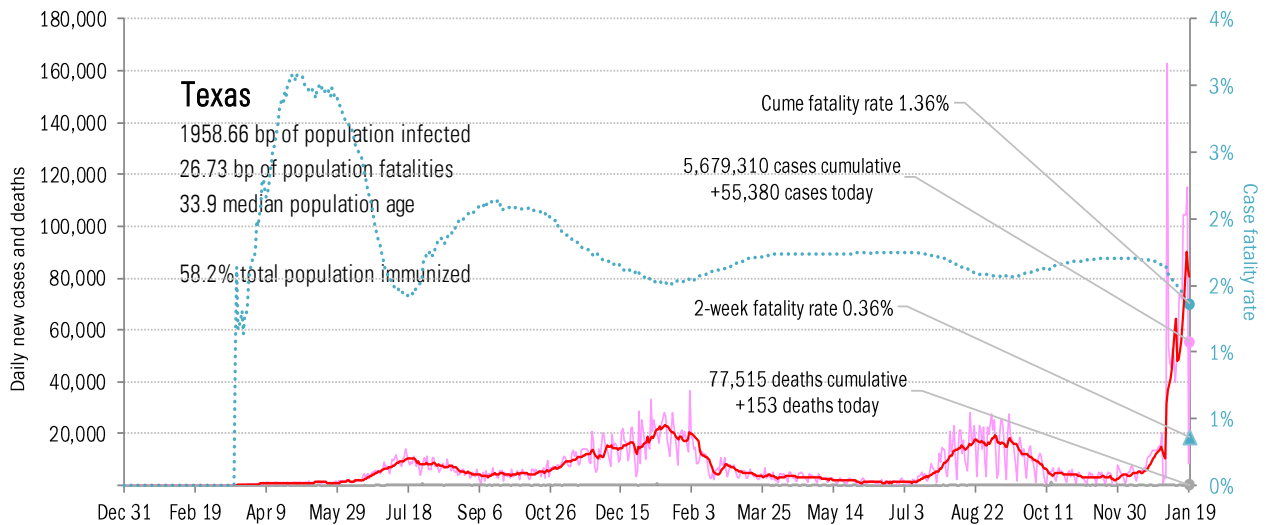
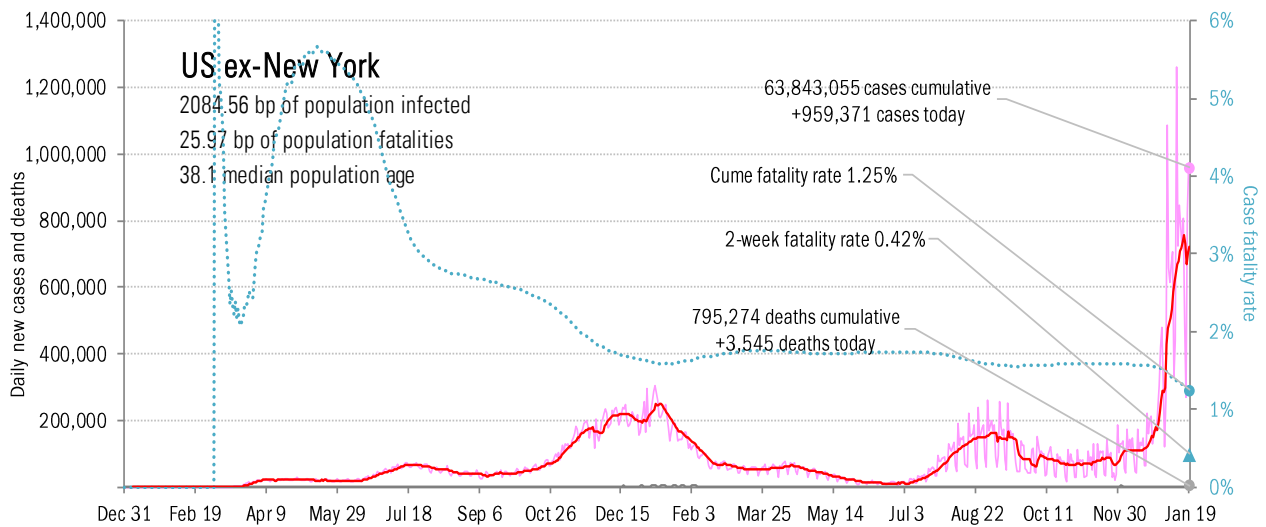
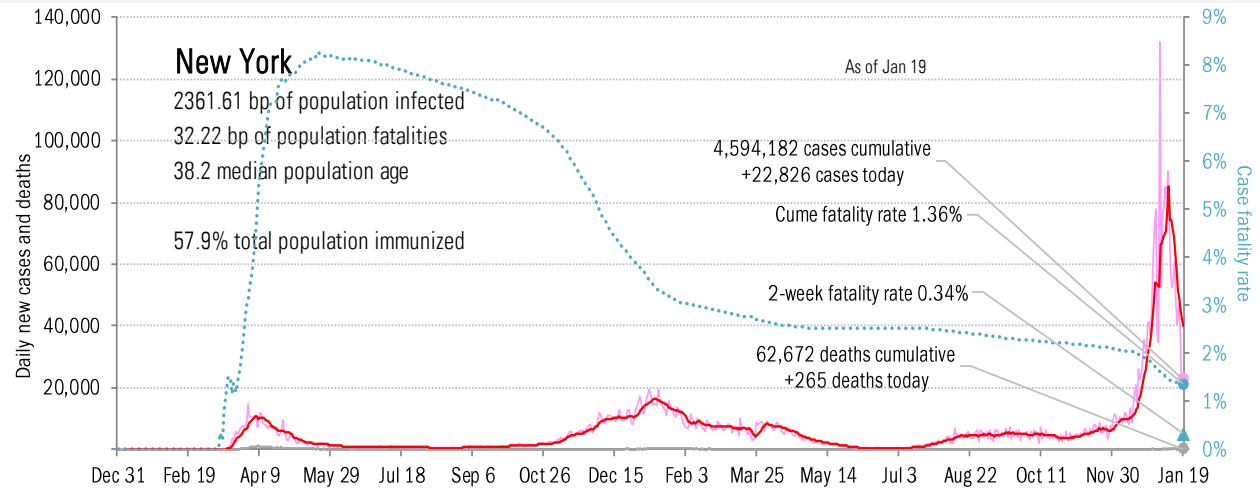
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

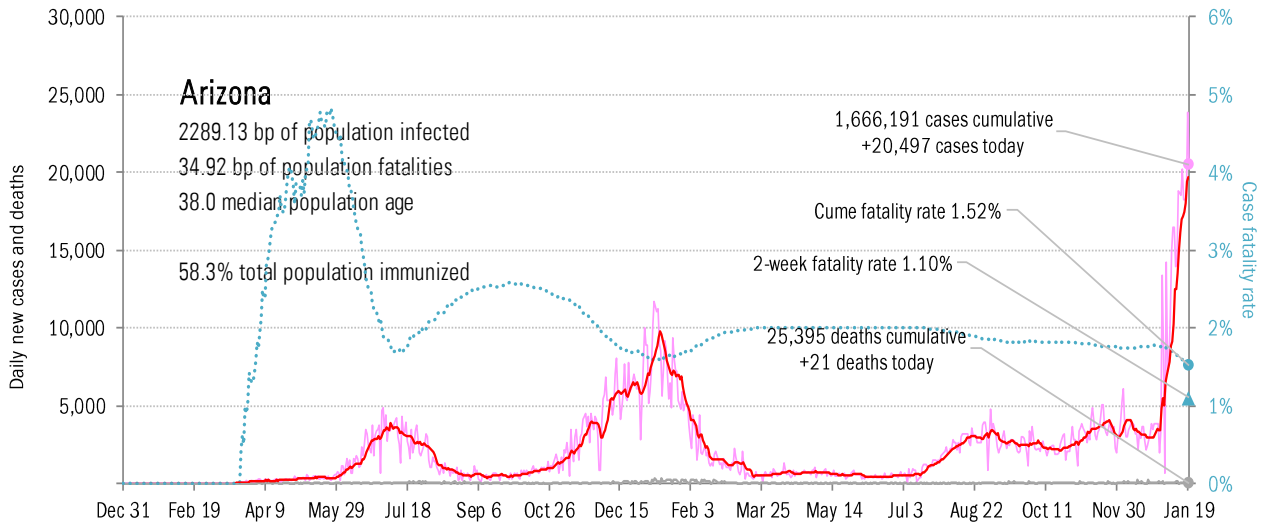
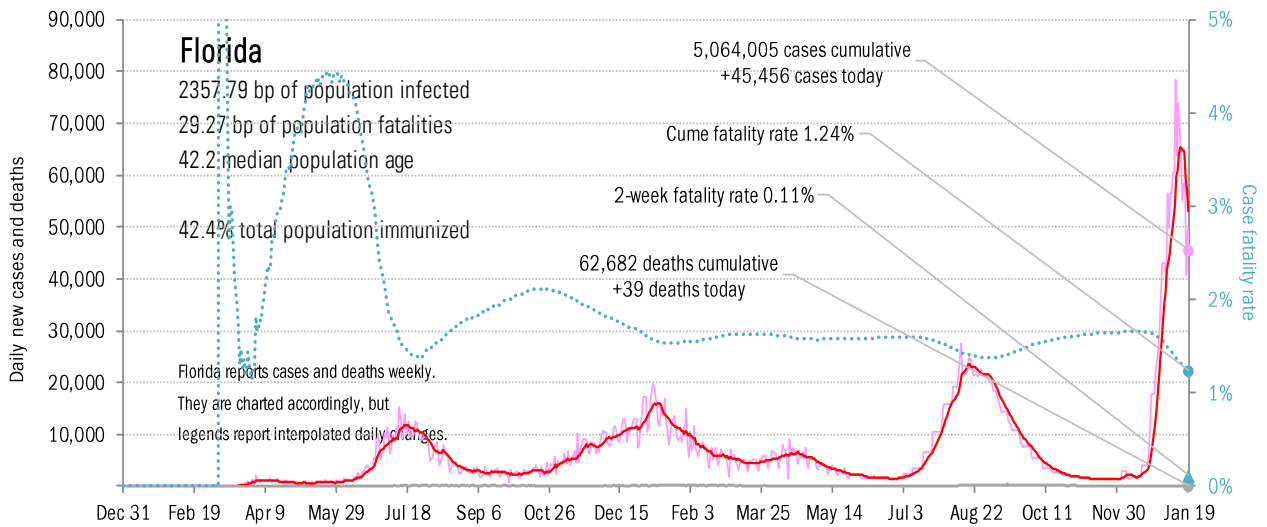
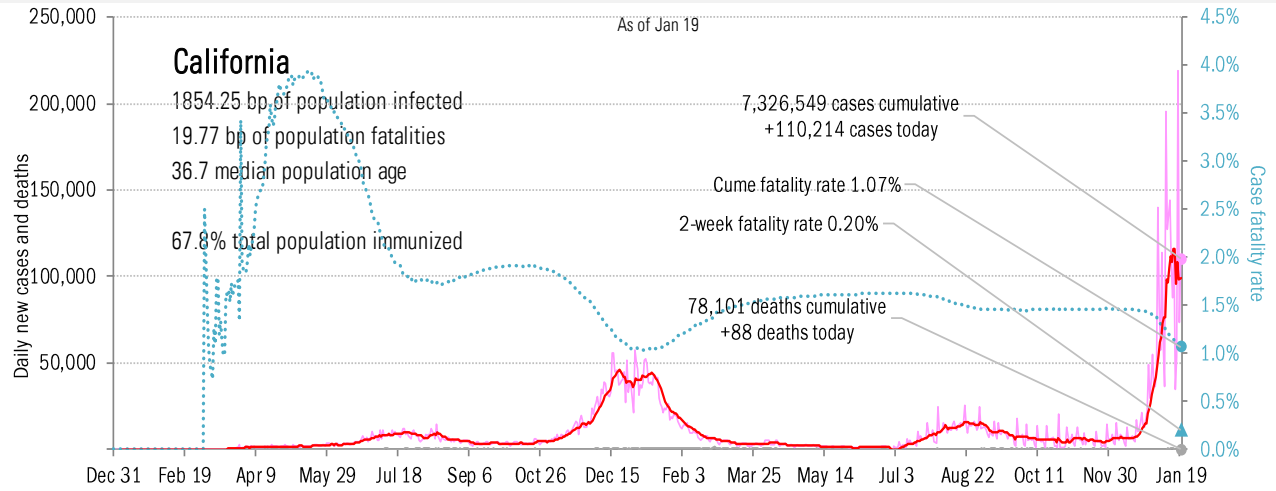
Cases: 7-day average and daily Deaths: Daily



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

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

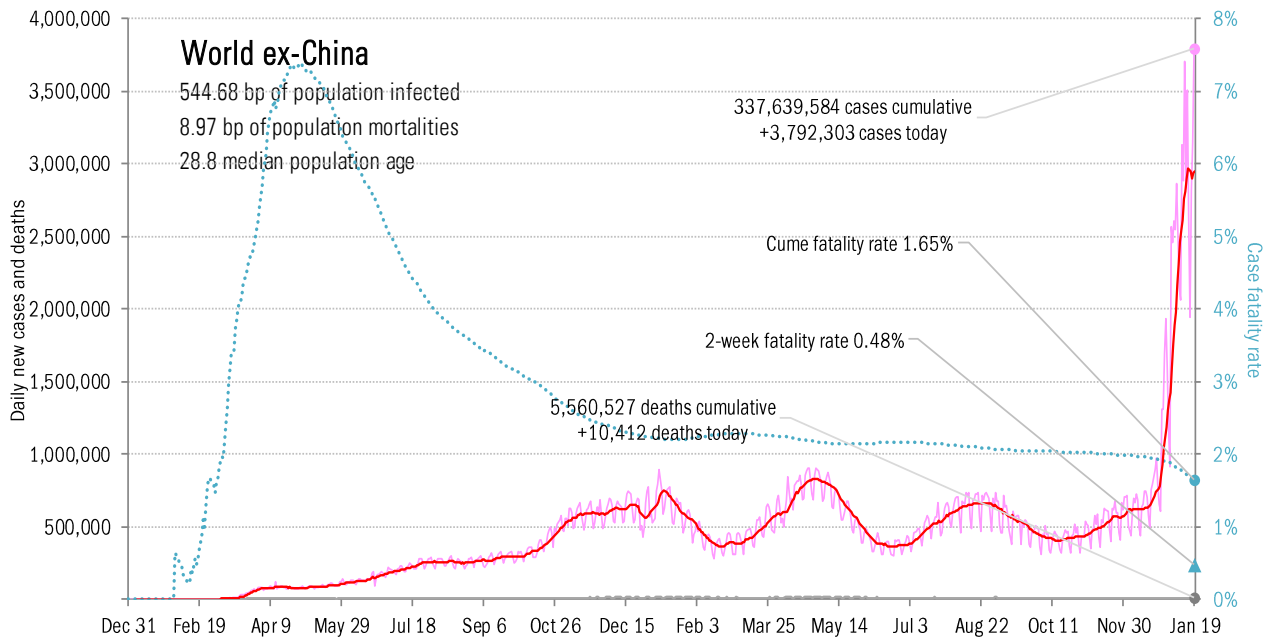
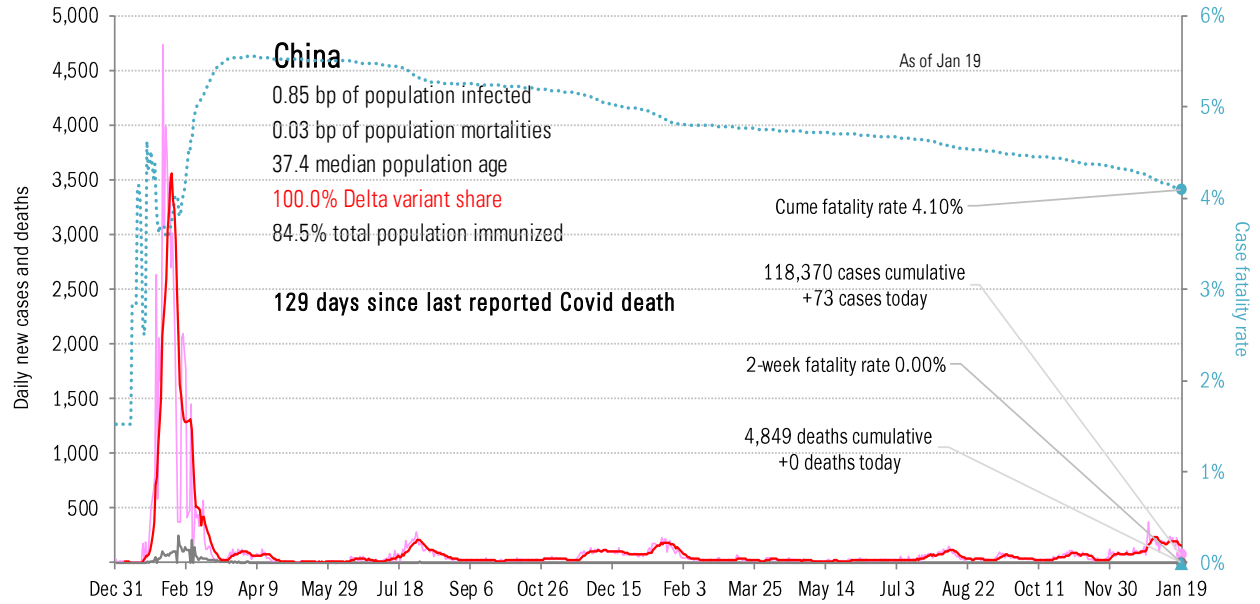
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

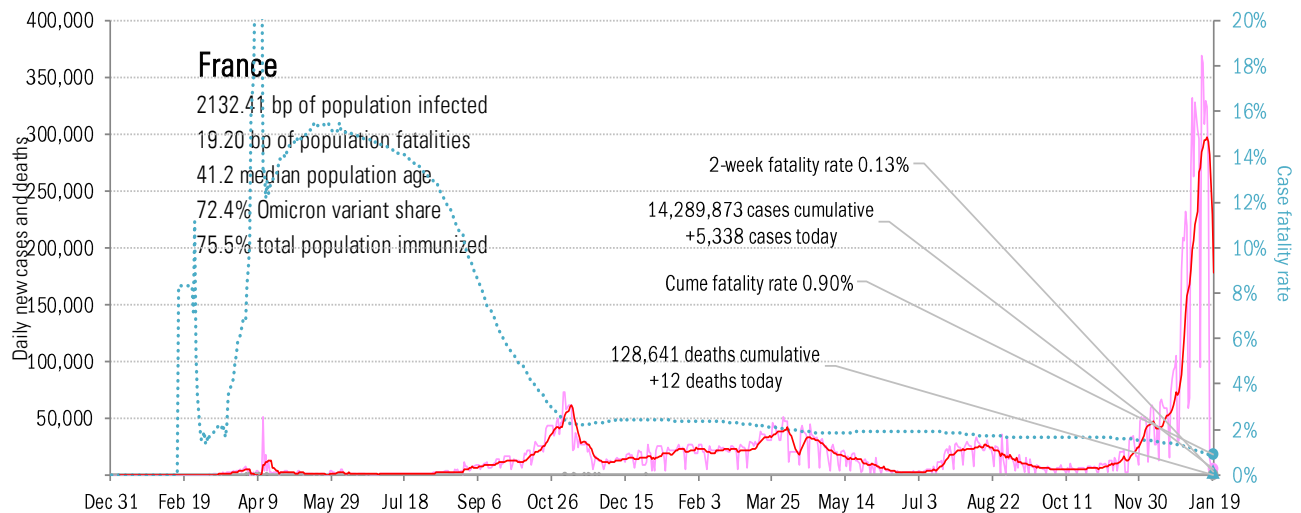
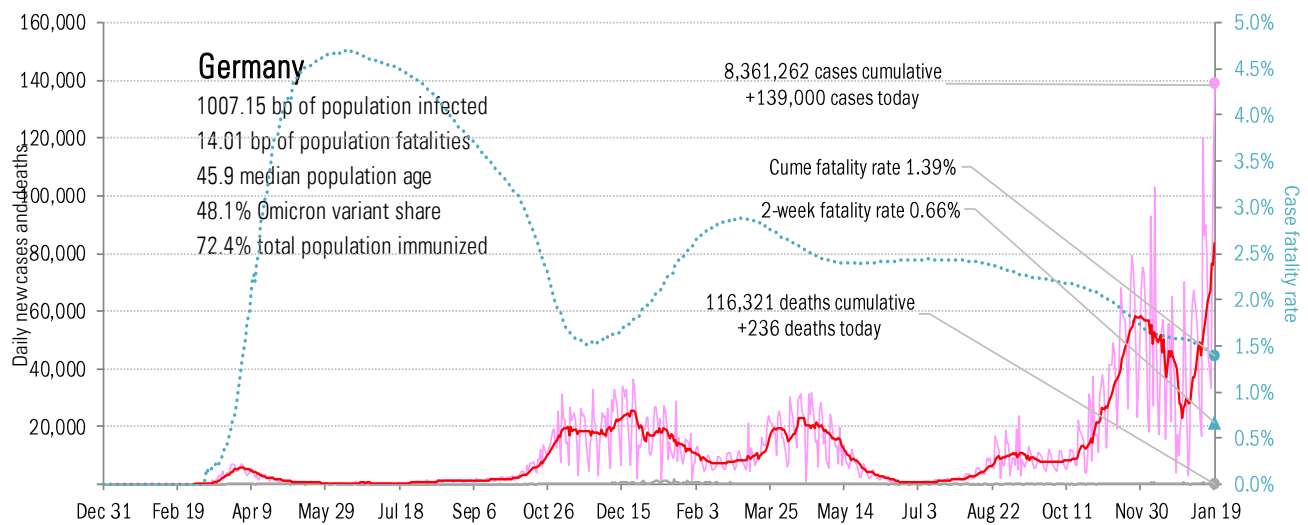
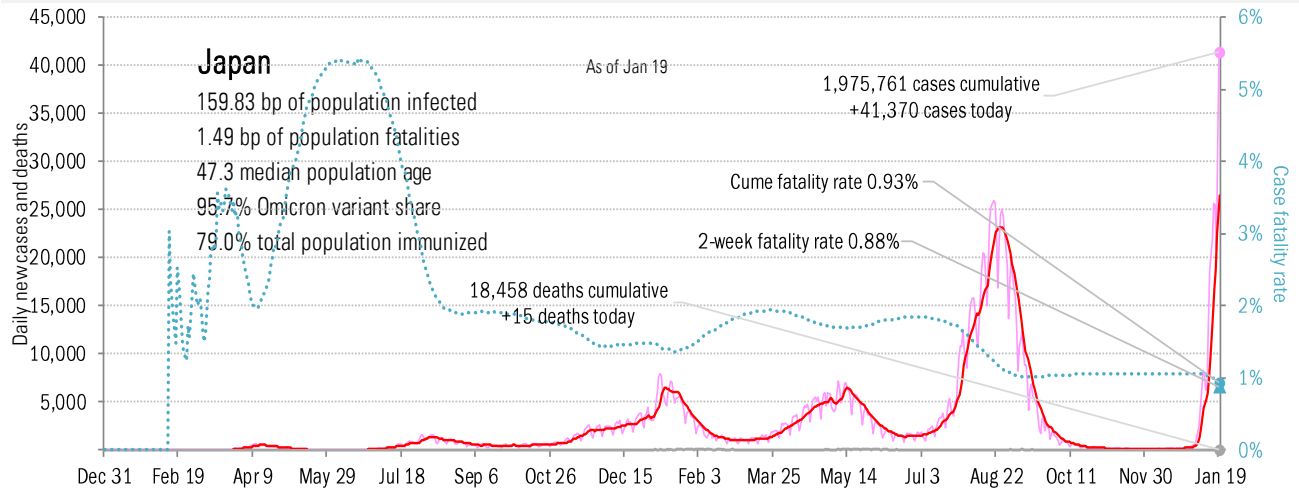
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

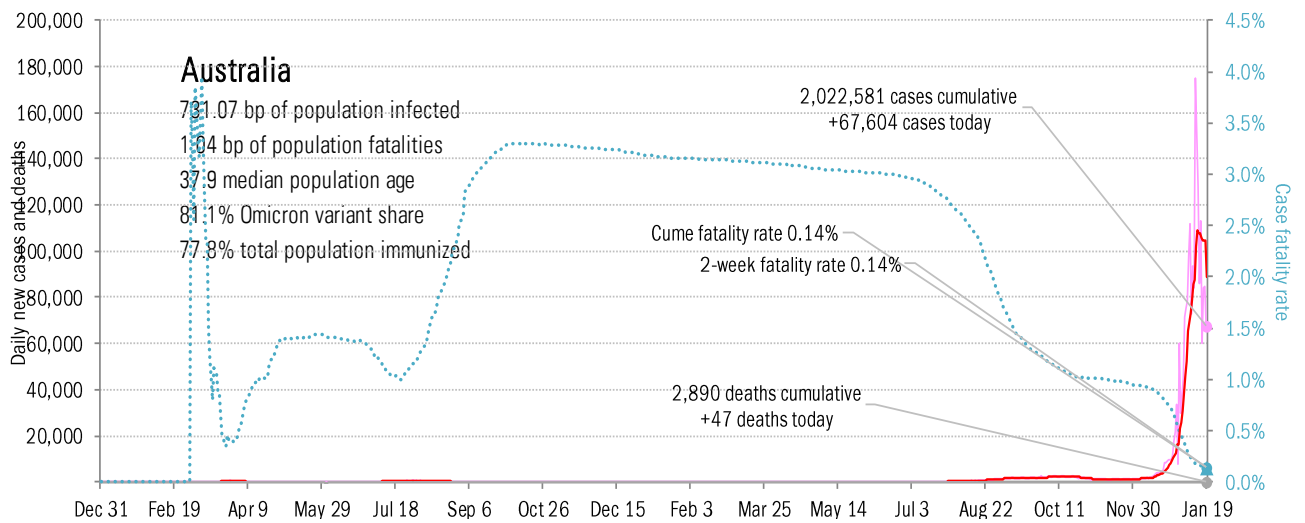
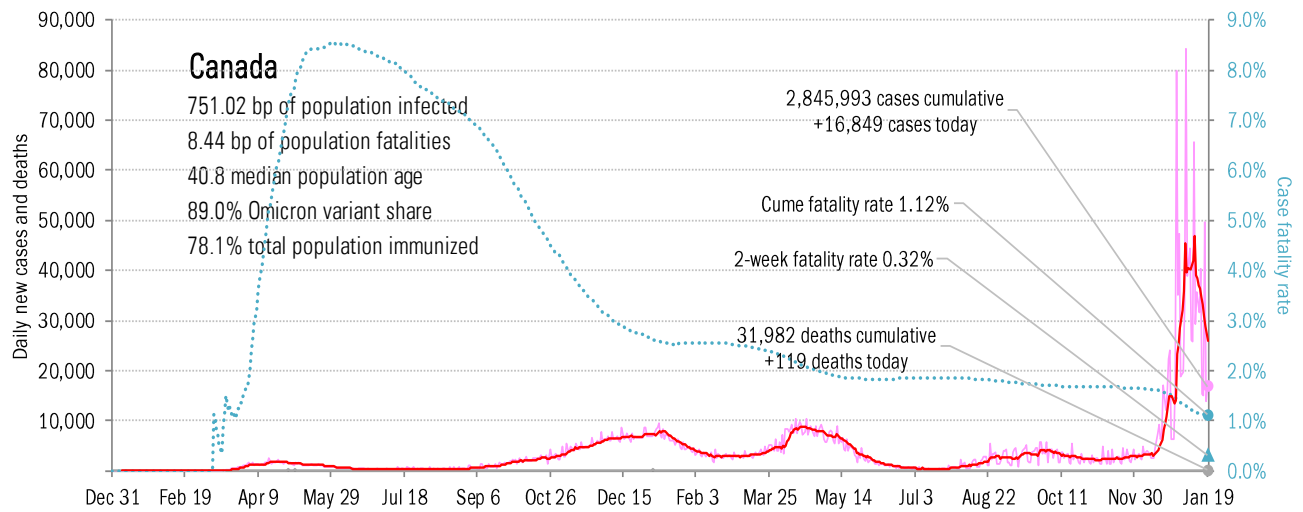
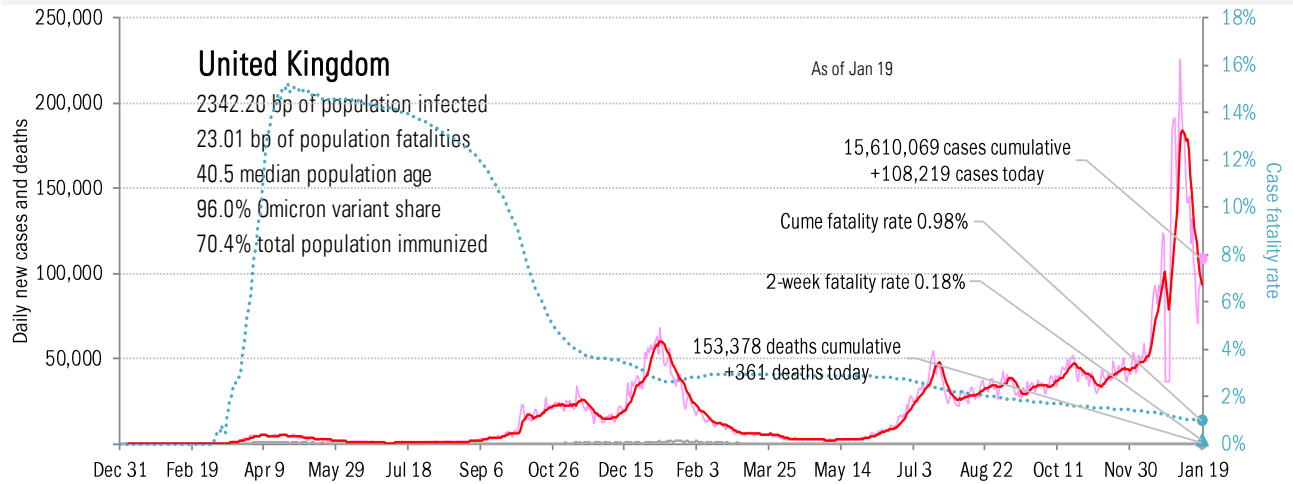
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

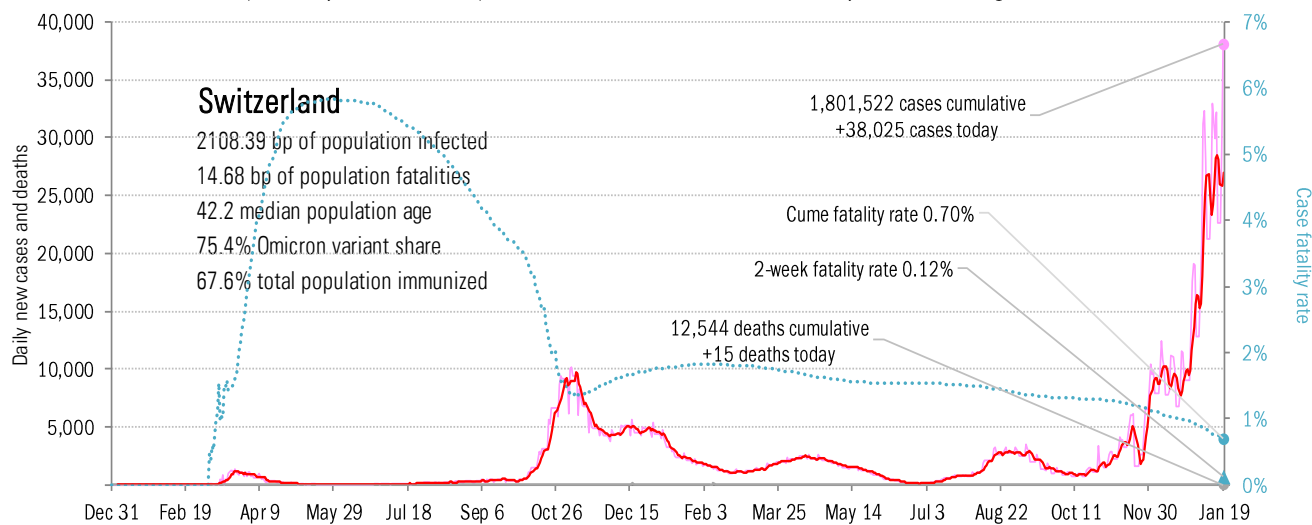
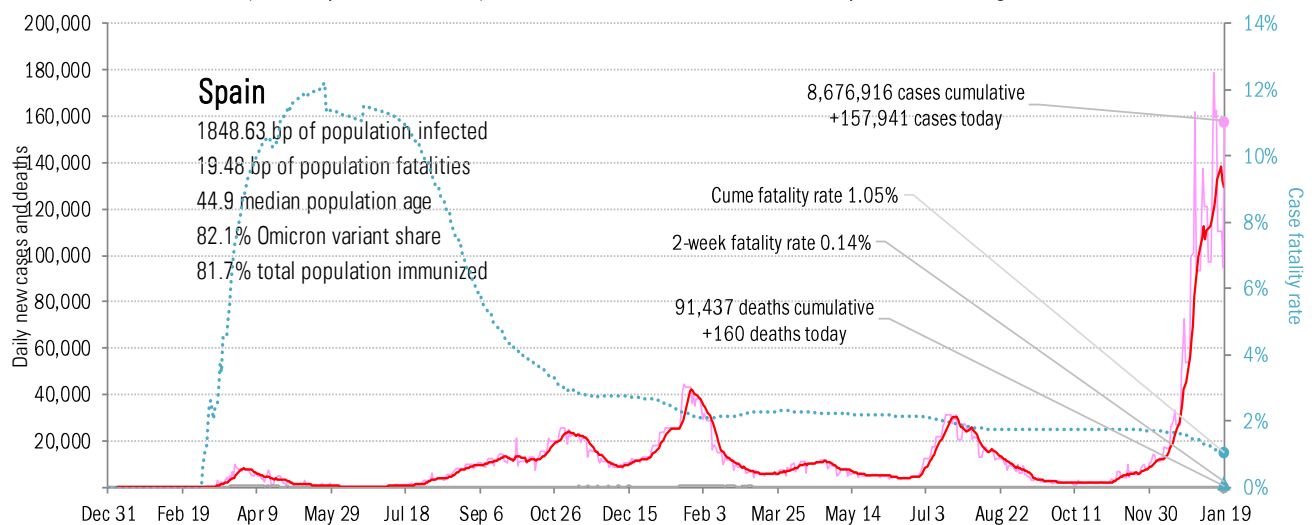
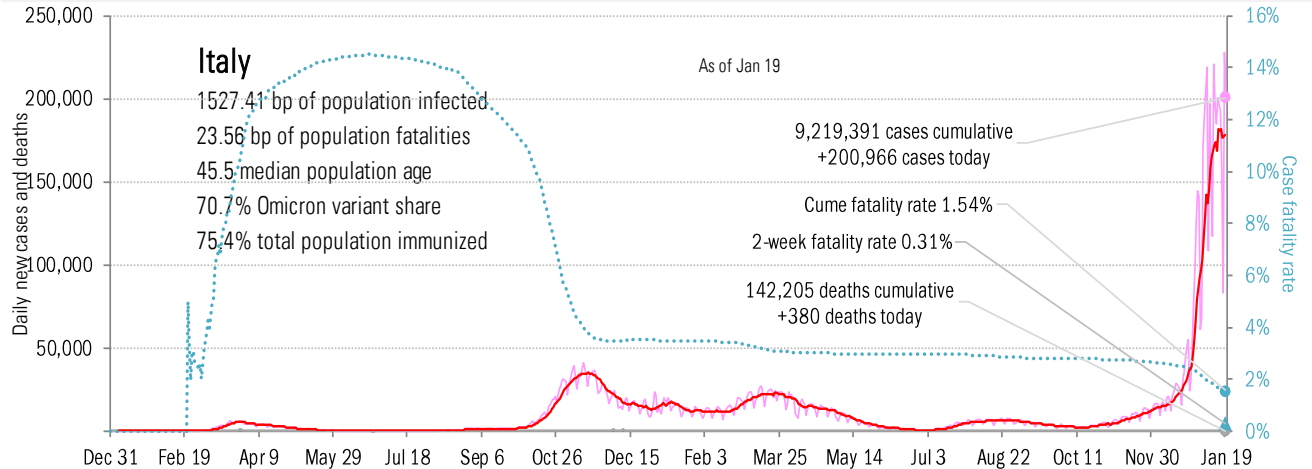
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

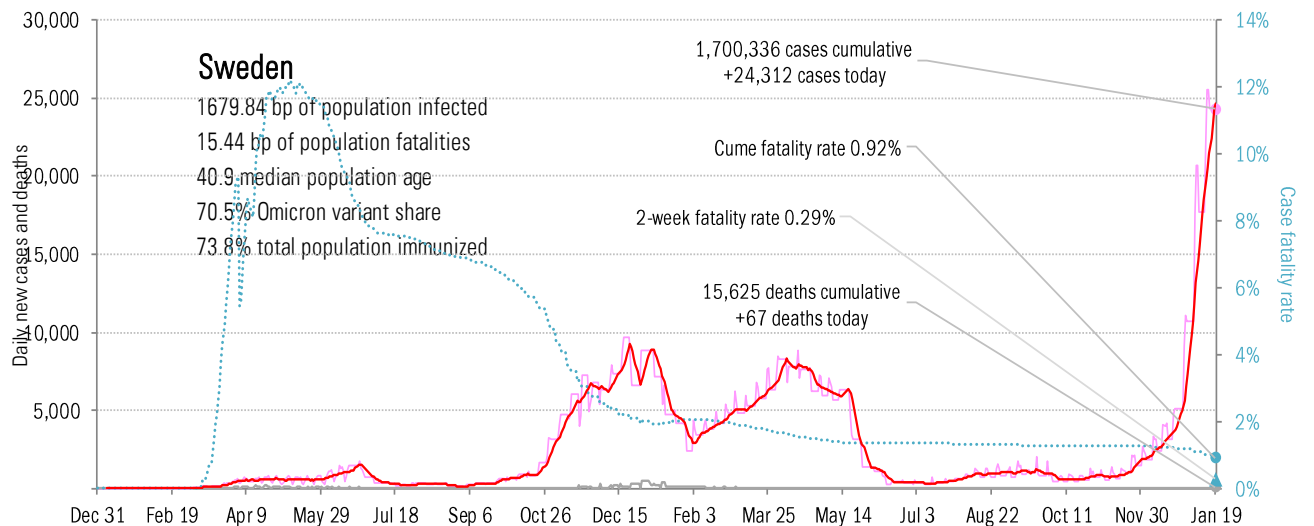
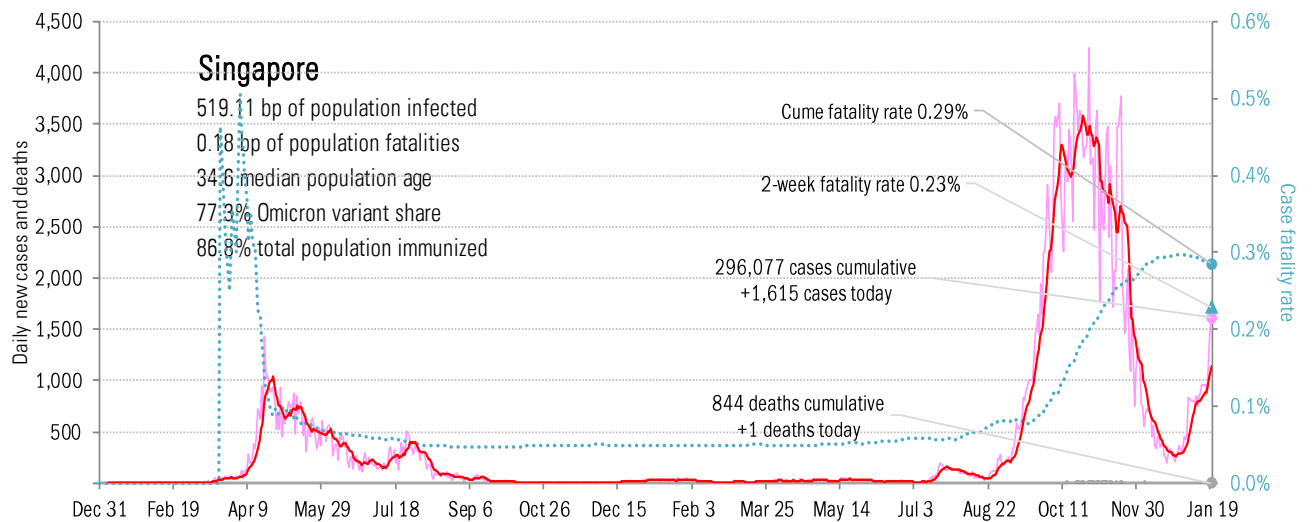
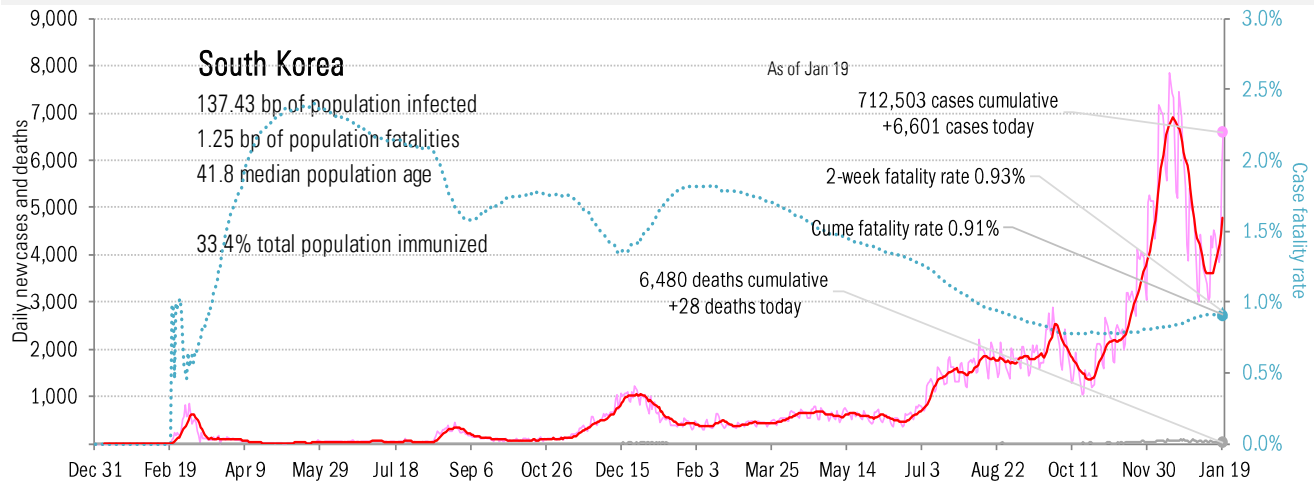
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

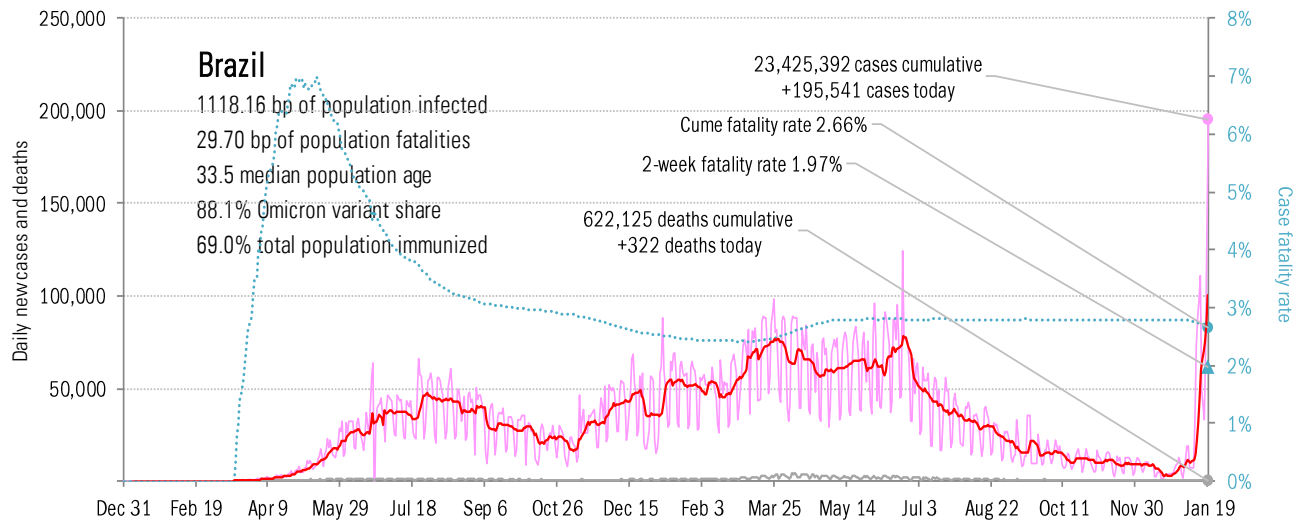
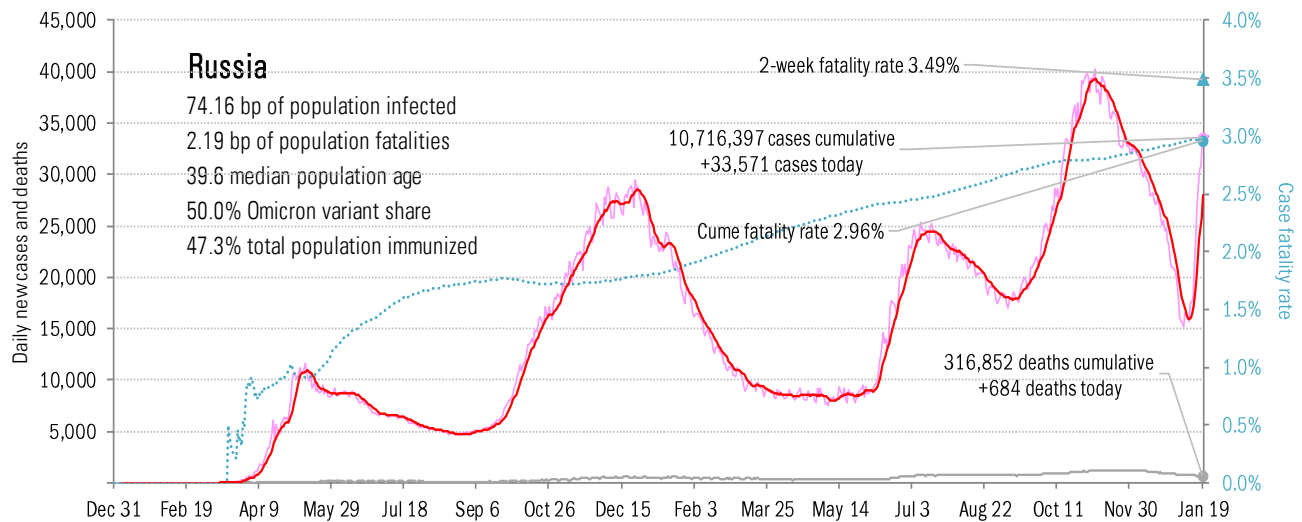
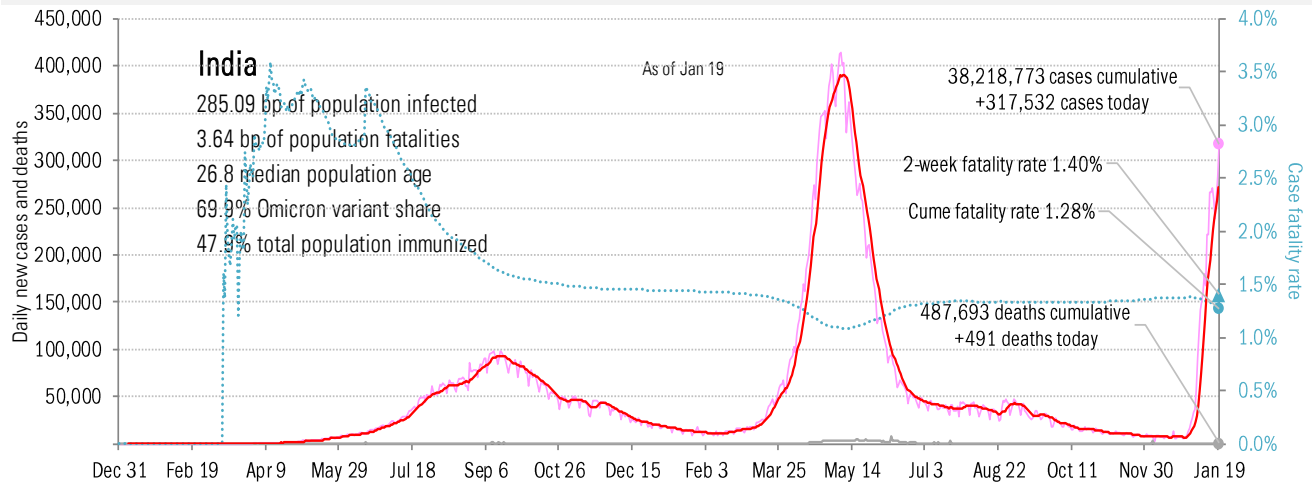
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

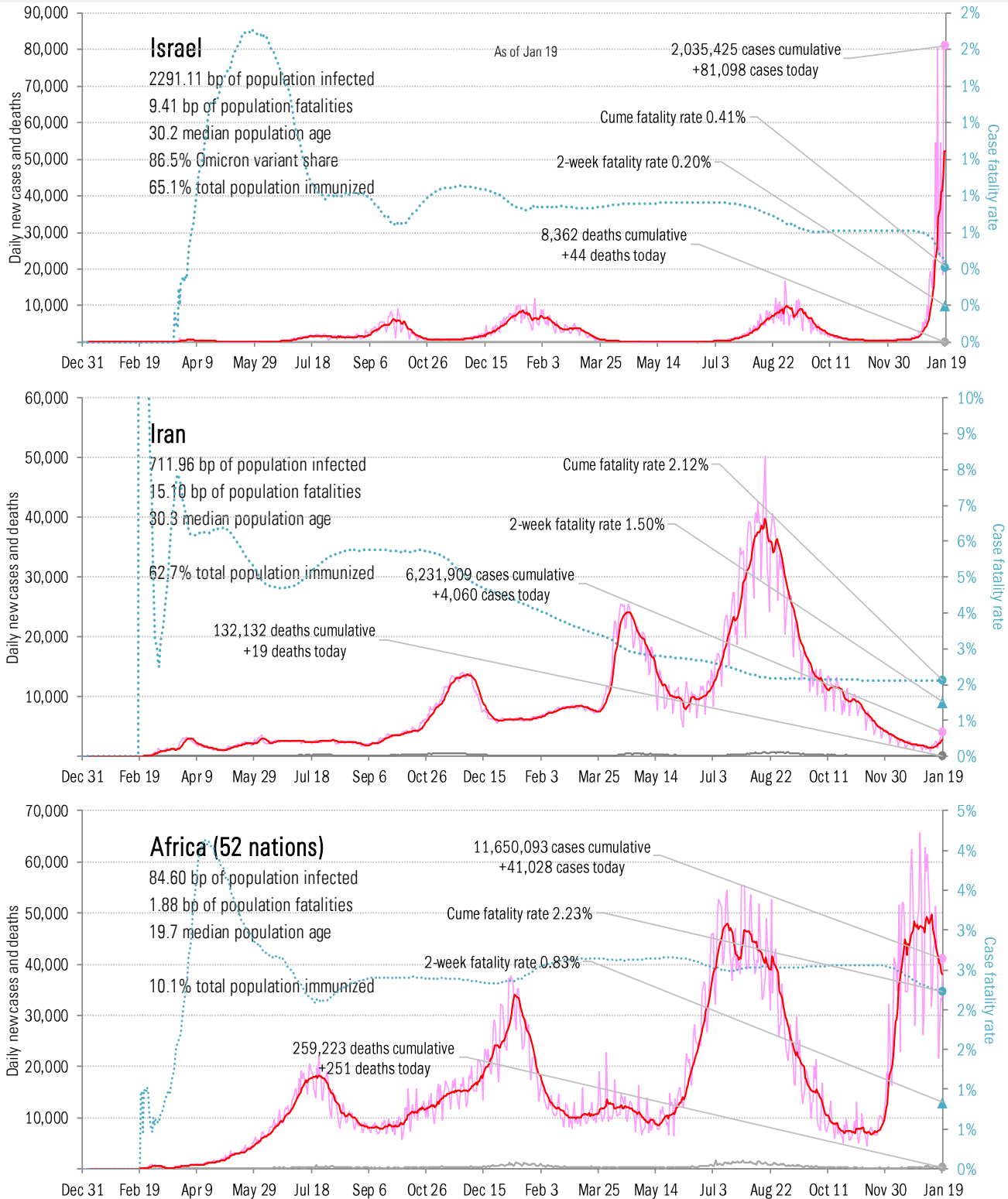
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

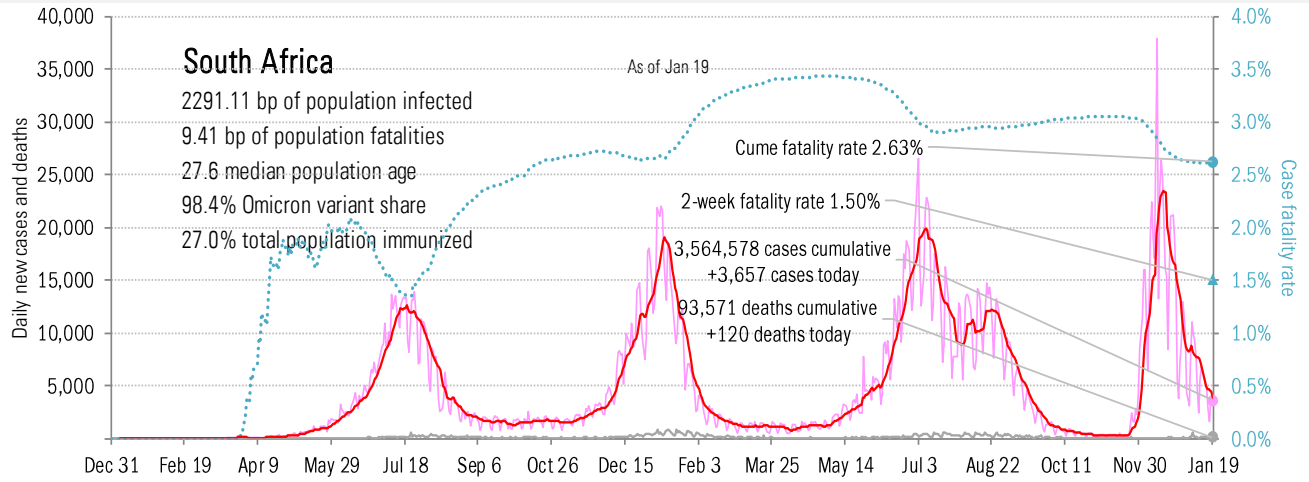
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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