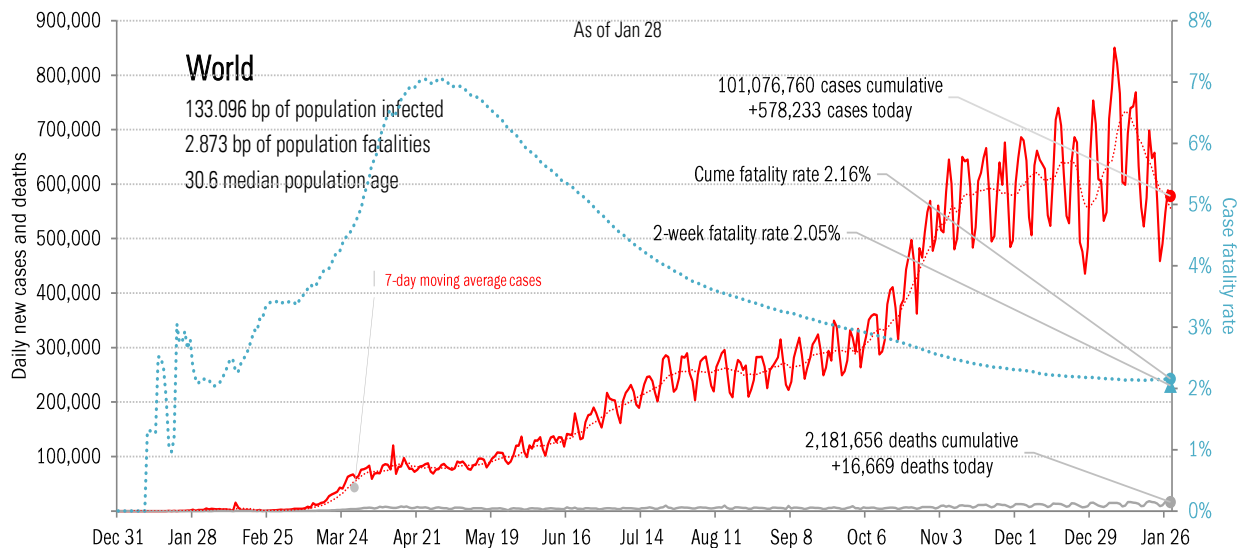
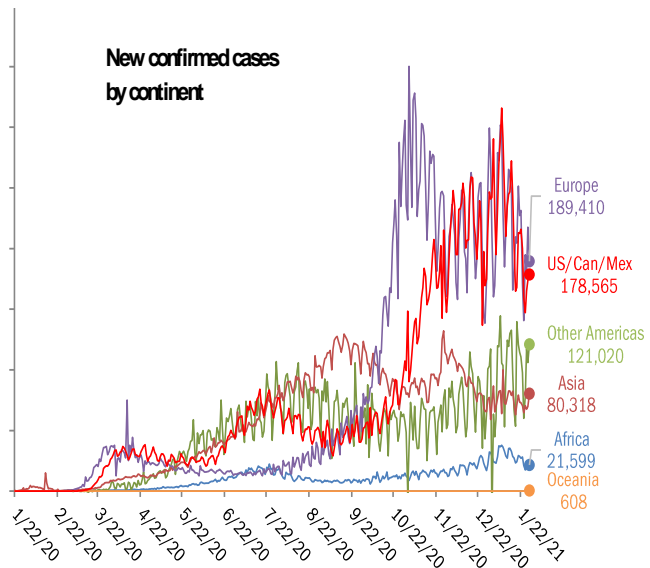


Data Insights: Covid-2019 Monitor

Friday, January 29, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+155,333	United States	+4,011
Brazil	+61,811	Mexico	+1,506
Spain	+34,899	Brazil	+1,386
United Kingdom	+28,811	Germany	+1,385
Russia	+18,856	United Kingdom	+1,239
India	+18,855	Russia	+562
Mexico	+18,670	South Africa	+555
Portugal	+16,432	Spain	+515
Germany	+14,883	Italy	+492
Italy	+14,360	Indonesia	+476
+382,910		+12,127	
World	+578,233	World	+16,669
Top ten	66%	Top ten	73%



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

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

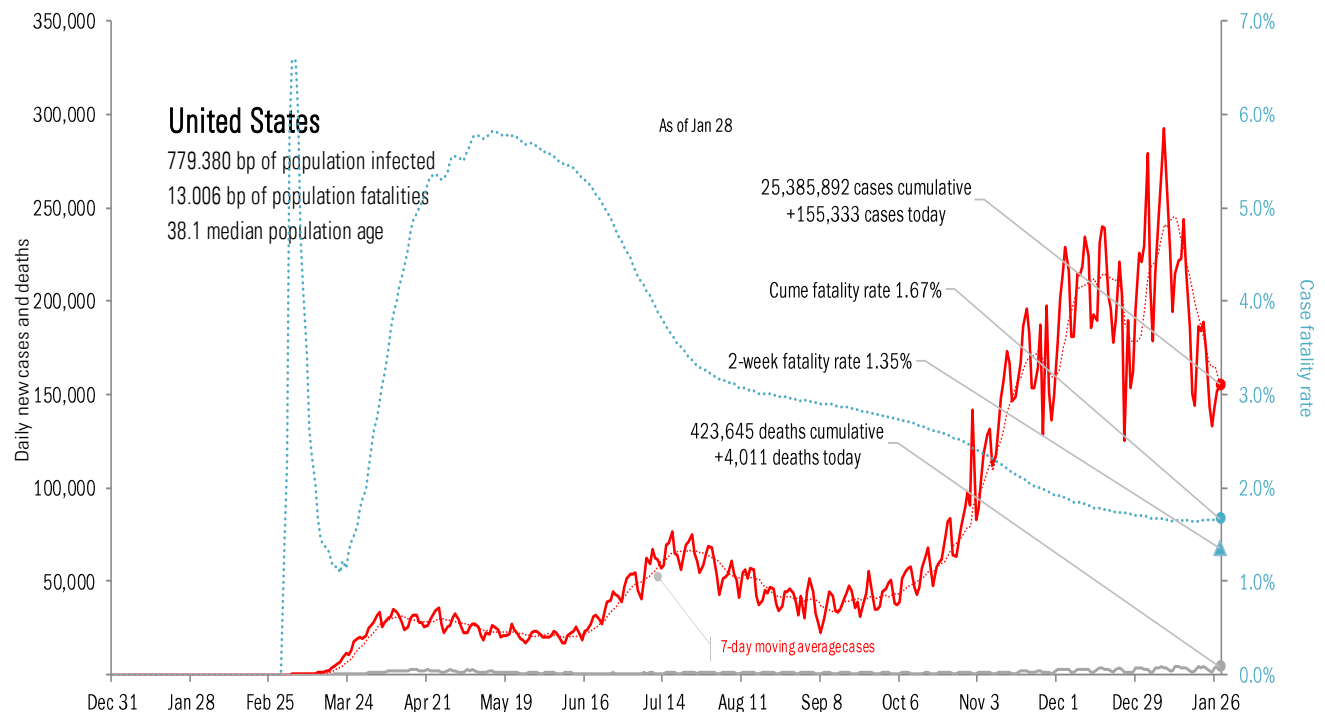
The ten worst US states

New cases			New Deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use		
TX	+18,220		CA	+737		VT	+15		CA	3,186,610		CA	38,961		NY	89,995		RI	102%		AL	93%
CA	+16,696		TX	+471		IN	+13		TX	2,310,952		TX	35,639		FL	72,603		GA	86%		GA	92%
NY	+13,398		SC	+230		MO	+8		FL	1,656,697		NY	34,742		NJ	60,125		SC	84%		CA	89%
FL	+11,190		FL	+207		DC	+2		NY	1,374,480		FL	26,456		AZ	51,349		MA	83%		TX	88%
NC	+6,490		PA	+198		RI	+1		IL	1,116,372		PA	21,303		GA	49,608		FL	82%		CK	87%
PA	+6,036		GA	+184		AS	+0		CH	883,716		NJ	21,301		CH	45,786		CT	81%		FL	86%
CH	+5,432		AZ	+176		ID	+0		PA	824,405		IL	21,074		AL	41,483		MD	81%		NC	84%
GA	+5,379		AL	+168		KS	+0		AZ	743,232		MI	15,402		IN	40,018		DC	81%		DE	84%
VA	+5,121		NY	+163		MN	+0		NC	739,500		MA	14,348		MD	31,614		CA	80%		NV	83%
NJ	+4,746		NC	+131		MP	+0		GA	737,205		GA	13,827		MIN	24,126		PA	80%		SC	83%
+92,708			+2,665			+39			13,573,169			243,053			506,707							
All states	+155,333		+4,011			-3141			All states	25,385,892		423,645			798,799			All states	75%		78%	
Top ten	60%		66%			-1%			Top ten	53%		57%			63%			Median	73%		75%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
KS	-3,262	AL	-108	TX	-359	MA	+35,329
TN	-1,623	KS	-96	CA	-238	TX	+27,275
TX	-1,393	TN	-53	AZ	-192	PA	+13,073
LA	-1,361	MA	-40	NY	-191	AL	+8,932
AZ	-1,247	MS	-37	VA	-183	CH	+7,477

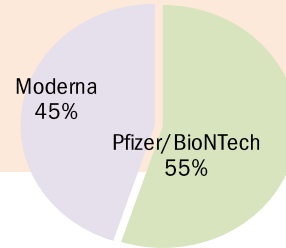


Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US

US overall	Over last day
48.39 million doses distributed	+1.16 million/day
26.19 million doses administered	+1.54 million/day
21.70 million persons with one or more shot	+1.01 million/day
4.26 million persons with two or more shots	+0.46 million/day
2.90 million shots in long-term care	None: mission accomplished

54.1% of distributed doses administered
8.0% of US population vaccinated
6.6% of US population one shot
1.3% of US population two shots
2 doses to all long-term care residents



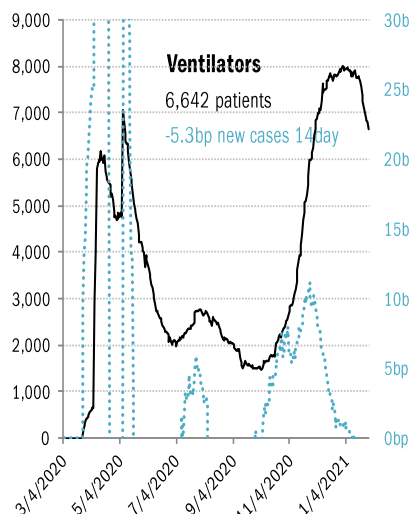
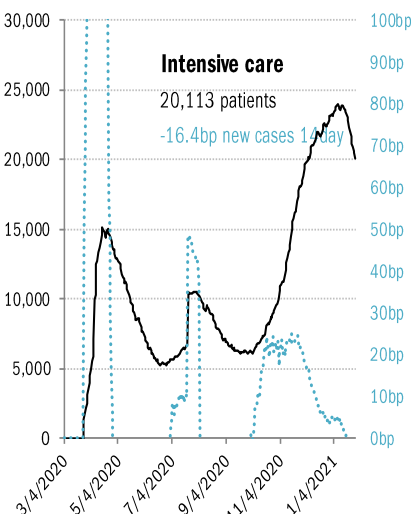
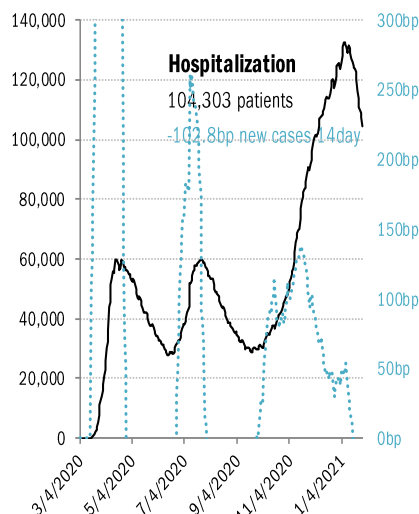
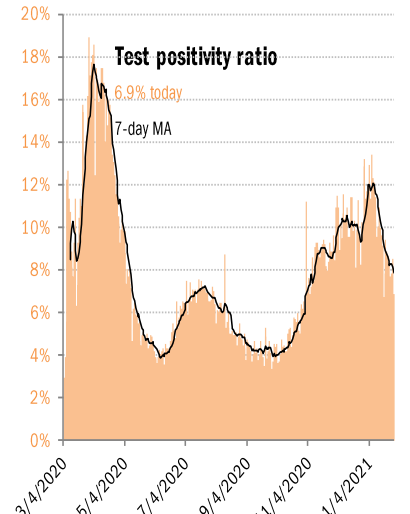
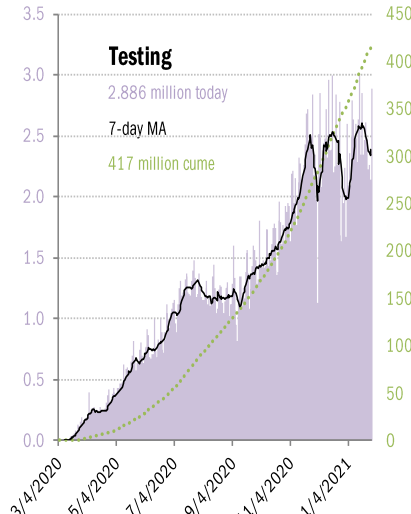
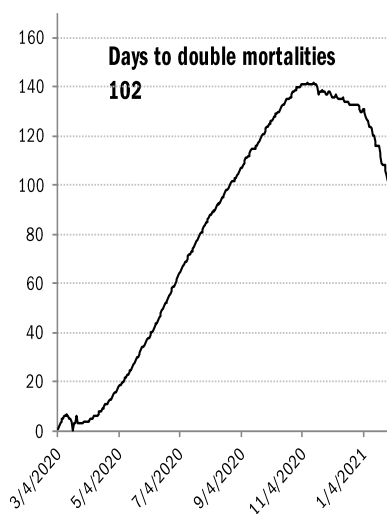
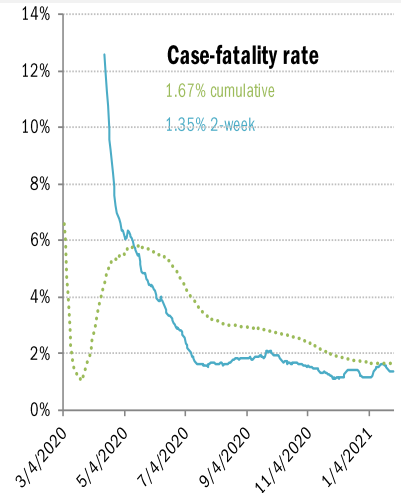
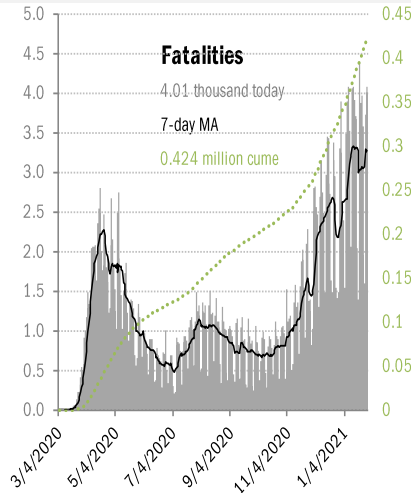
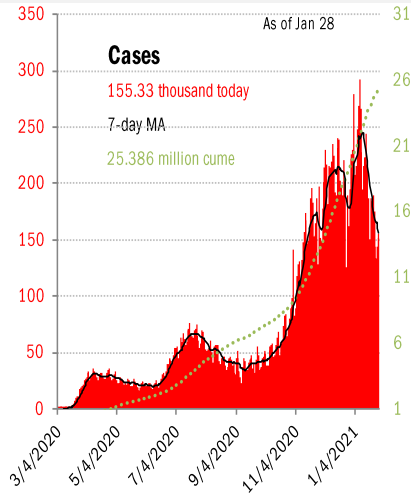
State	Best	Middle	Worst
AK	24.3%	11.7%	2.7%
ME	15.5%	6.6%	1.9%
WI	13.6%	5.2%	1.0%
VT	15.8%	7.4%	2.0%
NH	14.8%	6.5%	1.6%
WA	13.2%	6.2%	1.2%
ID	11.8%	4.8%	0.9%
MT	13.0%	6.4%	1.7%
ND	13.9%	7.9%	2.4%
MN	14.2%	5.6%	1.5%
IL	12.9%	5.1%	1.3%
MI	13.6%	6.6%	1.4%
NY	14.5%	6.8%	1.2%
MA	14.8%	5.9%	1.2%
OR	14.4%	6.8%	1.3%
NV	11.0%	5.4%	0.9%
WY	14.3%	6.6%	0.9%
SD	14.0%	7.6%	2.8%
IA	12.4%	5.4%	1.3%
IN	13.7%	6.7%	1.5%
OH	13.1%	5.8%	0.9%
PA	15.0%	5.4%	1.2%
NJ	13.9%	6.3%	1.0%
CT	16.0%	8.8%	1.7%
RI	14.5%	5.8%	1.8%
CA	14.0%	5.8%	1.2%
UT	12.5%	6.3%	0.9%
CO	14.0%	6.8%	1.7%
NE	14.9%	6.0%	1.7%
MO	13.4%	4.8%	1.4%
KY	13.7%	6.7%	1.0%
WV	15.5%	9.7%	2.8%
VA	13.7%	6.5%	1.1%
MD	14.1%	5.9%	0.9%
DE	14.6%	7.1%	1.3%
AZ	13.9%	5.7%	1.0%
NM	15.0%	8.6%	2.0%
KS	13.9%	5.4%	1.1%
AR	15.0%	6.9%	1.4%
TN	13.8%	5.6%	1.8%
NC	13.3%	6.9%	1.1%
SC	10.7%	5.9%	1.1%
DC	20.5%	7.9%	2.2%
OK	15.0%	7.8%	1.3%
LA	13.3%	7.0%	1.1%
MS	14.0%	6.1%	0.7%
AL	13.4%	4.9%	0.8%
GA	13.6%	6.2%	0.8%
HI	16.0%	5.9%	1.4%
TX	12.1%	6.0%	1.3%
FL	14.4%	7.0%	1.0%
PR	16.4%	5.2%	1.4%

As of Jan 28

Source: [CDC](https://www.cdc.gov), TrendMacro calculations

US deep-dive

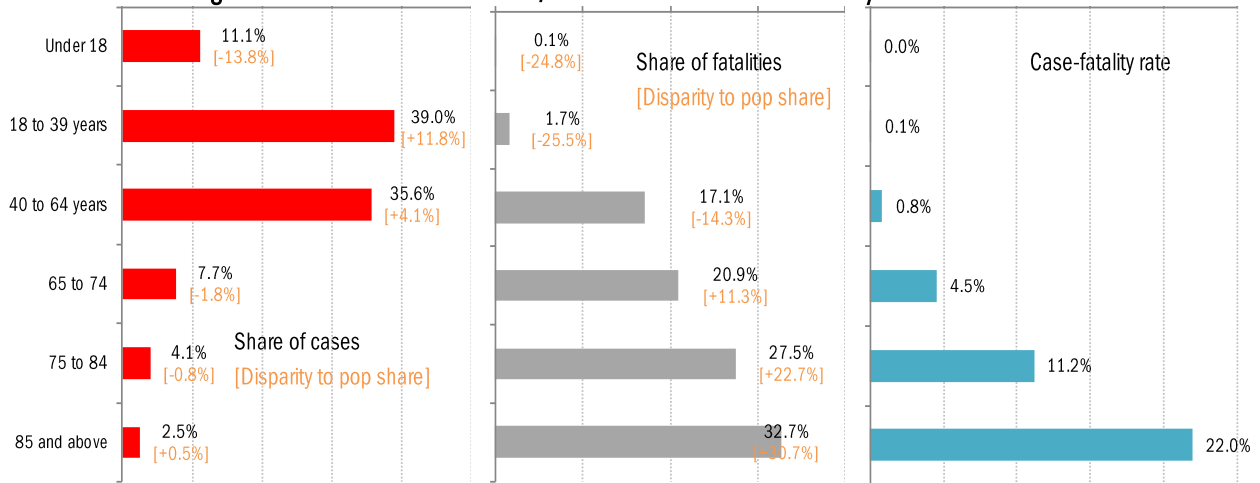
National and state-by-state data do not line up because of different sources



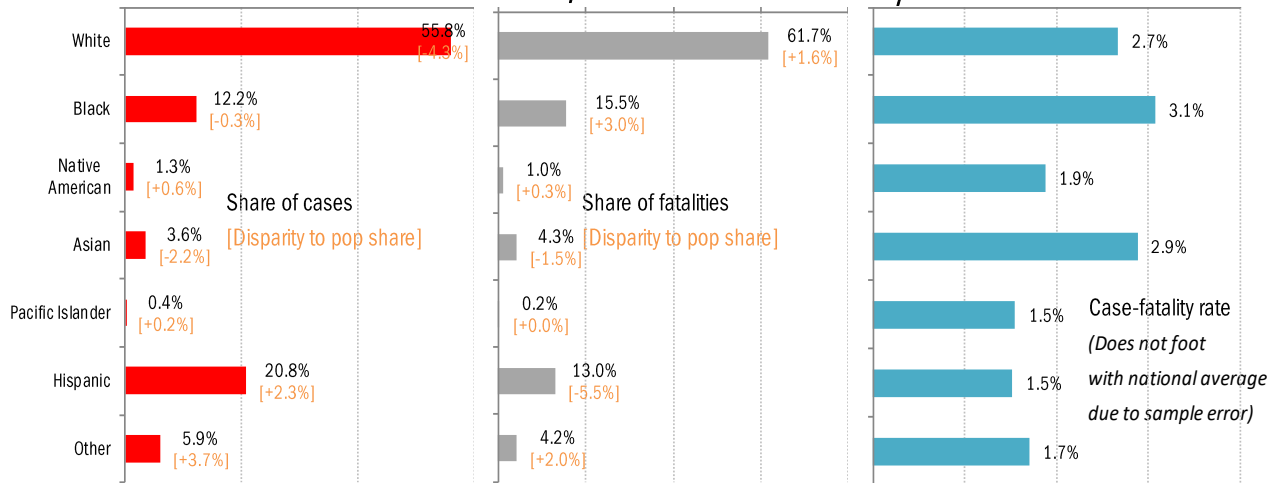
Source: [Covid Tracking Project](#), TrendMacro calculations

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

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

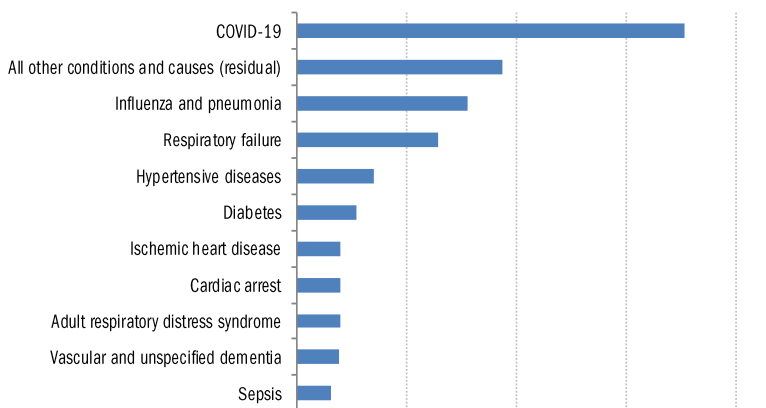


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jan 24

For 6% of the deaths, COVID-19 was the only cause mentioned. For deaths with conditions or causes in addition to COVID-19, on average, there were 2.9 additional conditions or causes per death.

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

Recommended reading

[Cereal shortage: Are you having trouble finding a box of Grape-Nuts? You are not alone and here's why](#)

Kelly Tyko
USA Today
January 28, 2021

[New Study Makes Discovery About Controversial Drug Hydroxychloroquine](#)

Erin Coates
Western Journal
January 28, 2021

[School Reopenings Are Biden's First Big Test](#)

Michael Bloomberg
Bloomberg
January 28, 2021

[German panel advises against AstraZeneca vaccine for over-65s](#)

Guy Chazan, Donato Paolo Mancini and Jim Pickard
Financial Times
January 28, 2021

[Cuomo administration underreported nursing home Covid deaths by up to 50%, NY attorney general says](#)

Will Feuer
CNBC
January 28, 2021

[EDUCATION JAN. 25, 2021](#)

['I Want to Meet My Teacher' A war over reopening schools has upended the progressive politics of the New Jersey suburbs.](#)

Andrew Rice
New York Magazine
January 25, 2021

[The Ethics of Vaccinating Teachers—and Keeping Schools Closed](#)

David Zweig
Wired
January 27, 2021

[Vaccine found 92% effective in Israel, in first controlled result outside trials](#)

Nathan Jeffay
Times of Israel
January 28, 2021

[Will the Truth on COVID Restrictions Really Prevail?](#)

Scott Atlas
RealClear Politics
January 27, 2021

[Sweden's Public Health Chief Caught Disobeying Face Mask Advice](#)

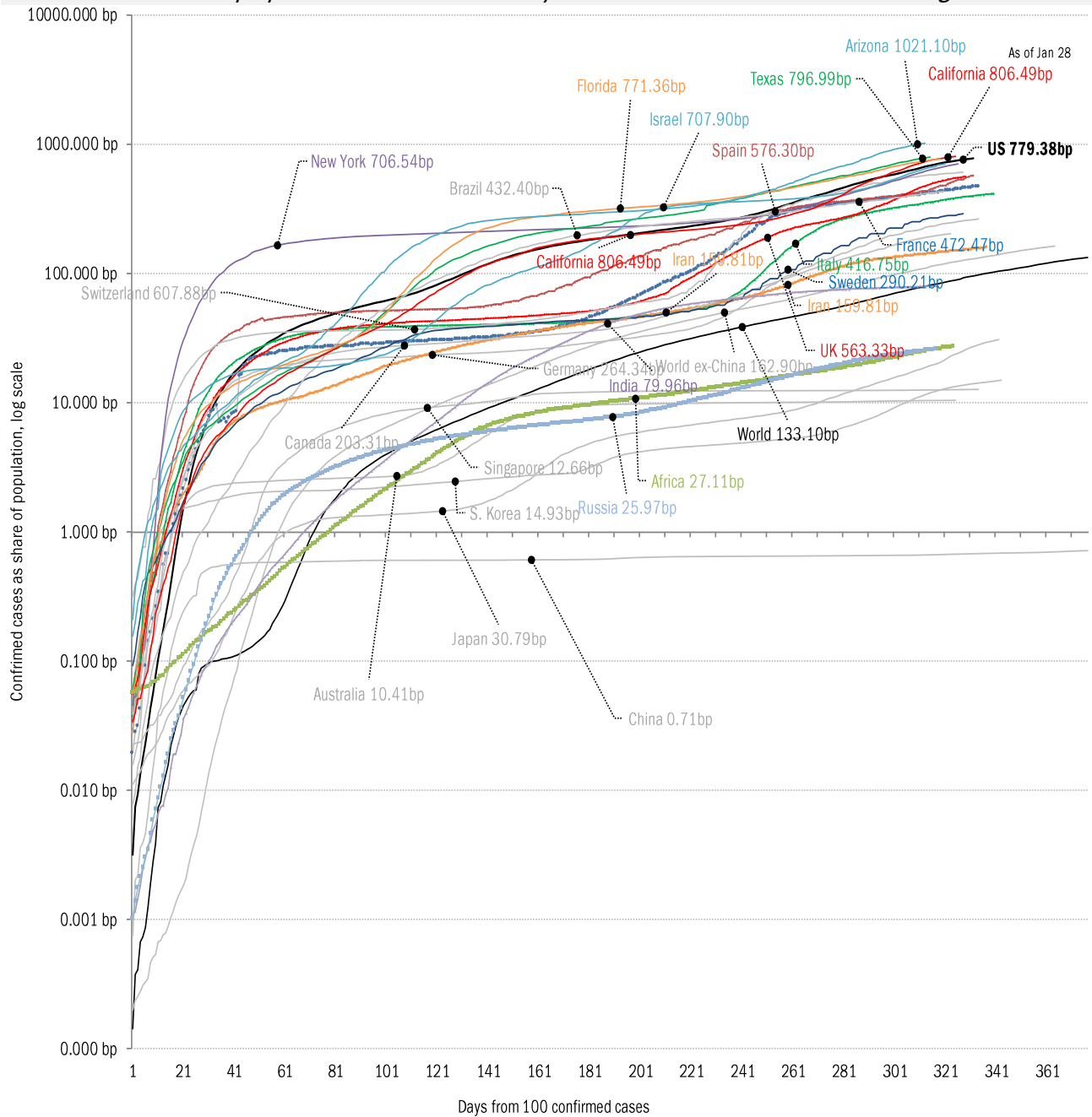
Rafaella Lindeberg
Bloomberg
January 28, 2021

Meme of day



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

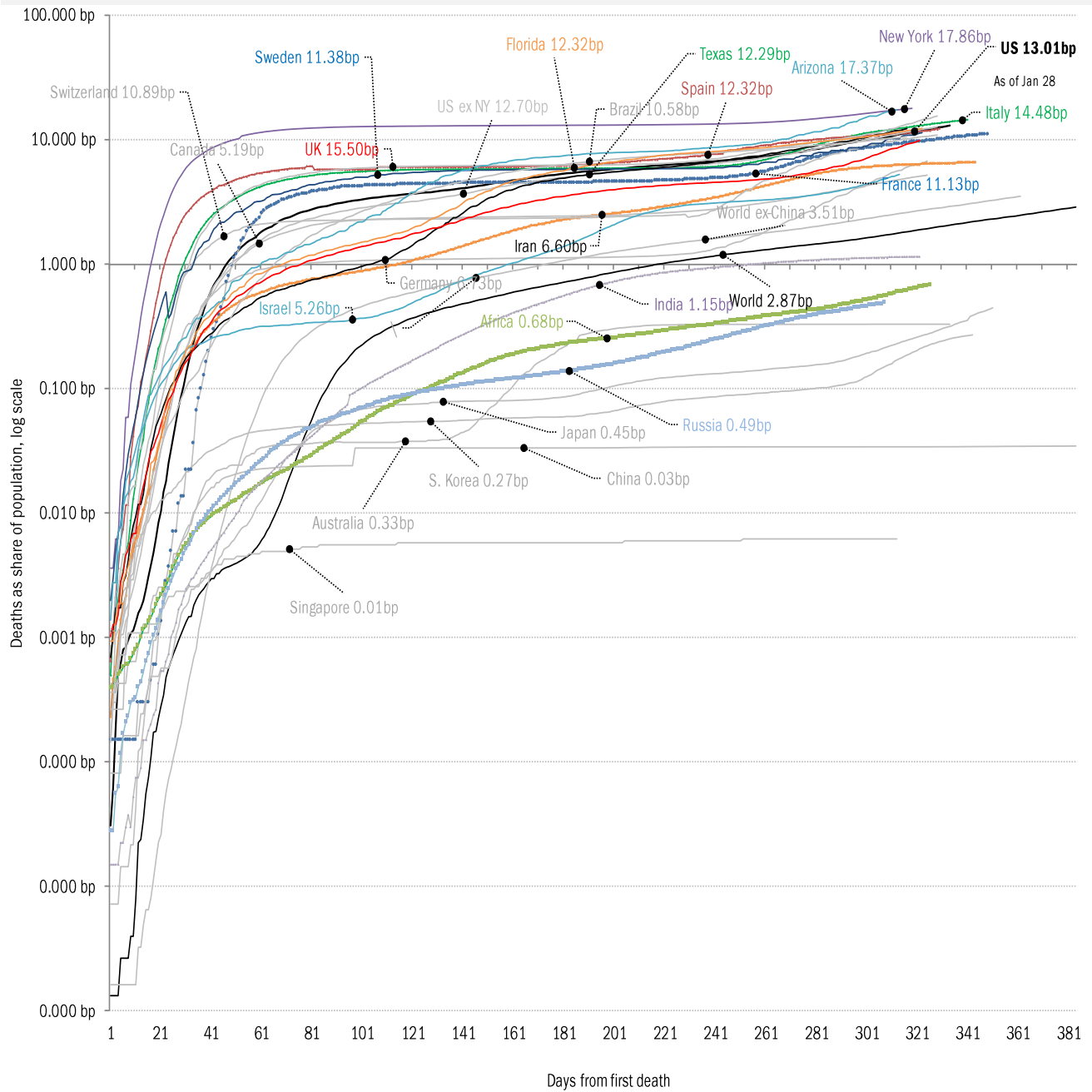
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

The coronavirus mortality accelerometer ... tracking the world's fatality curves

Share of deceased population from day of first fatality

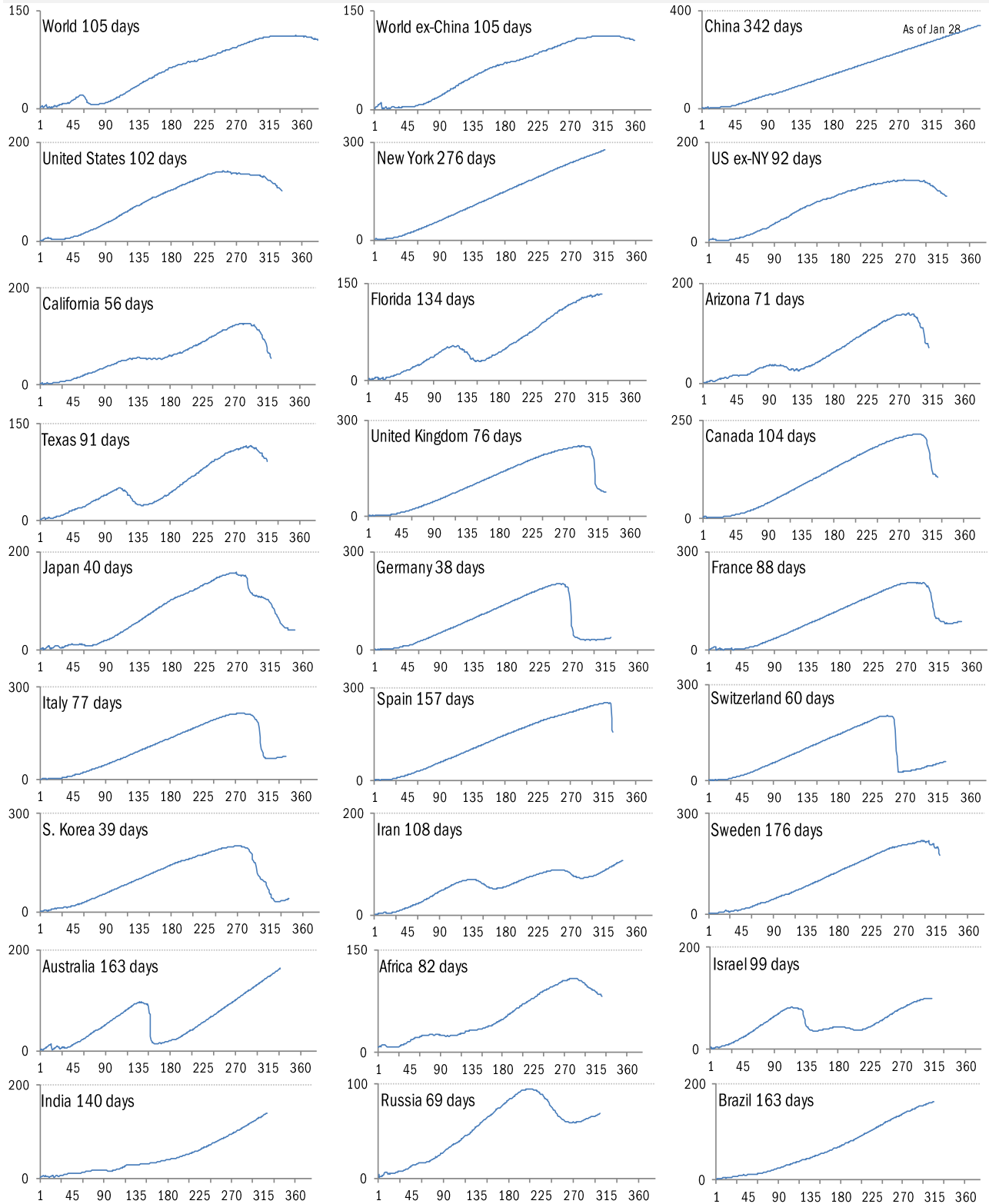


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-19

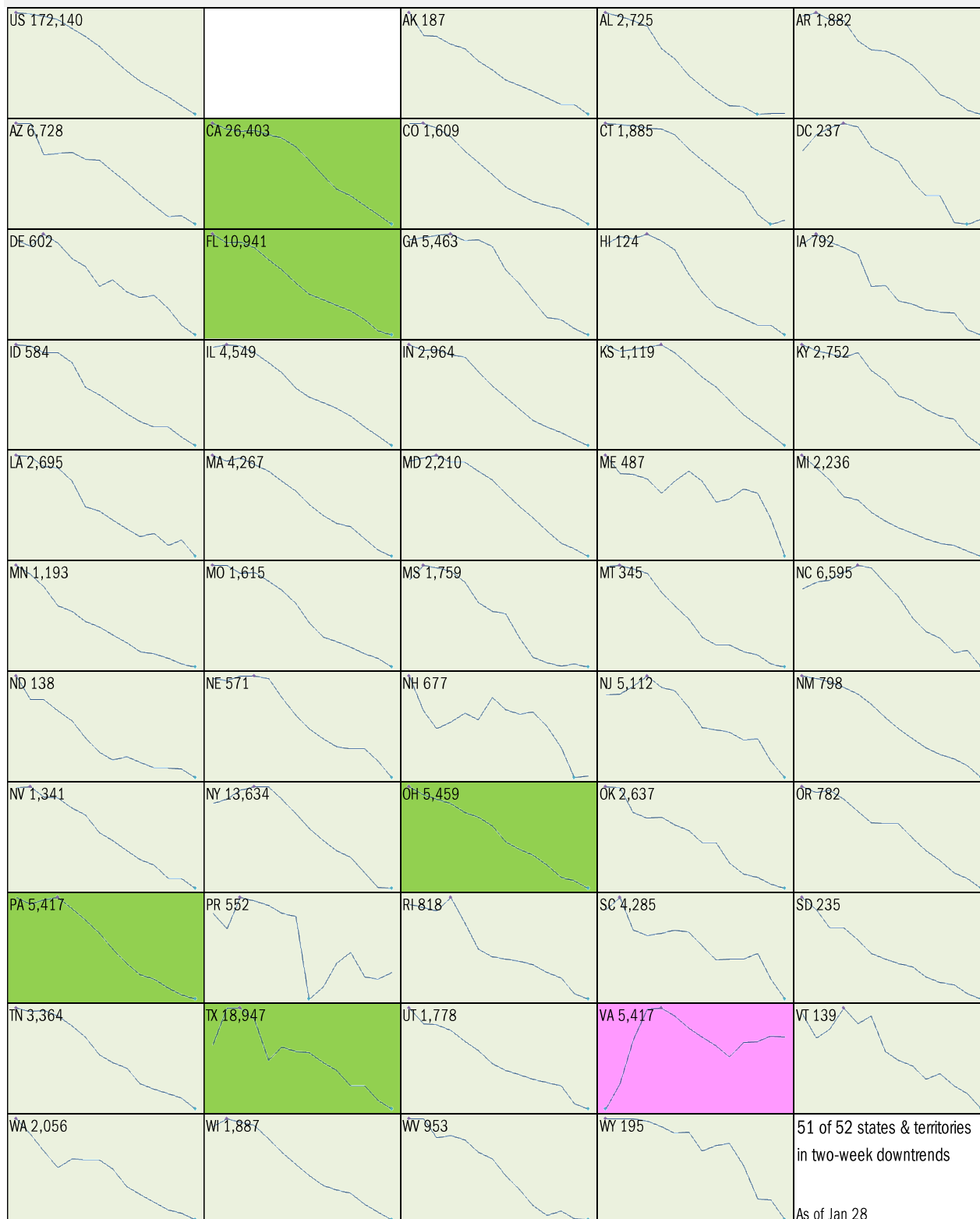
Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



Source: [Johns Hopkins, Covid Tracking Project](#), 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

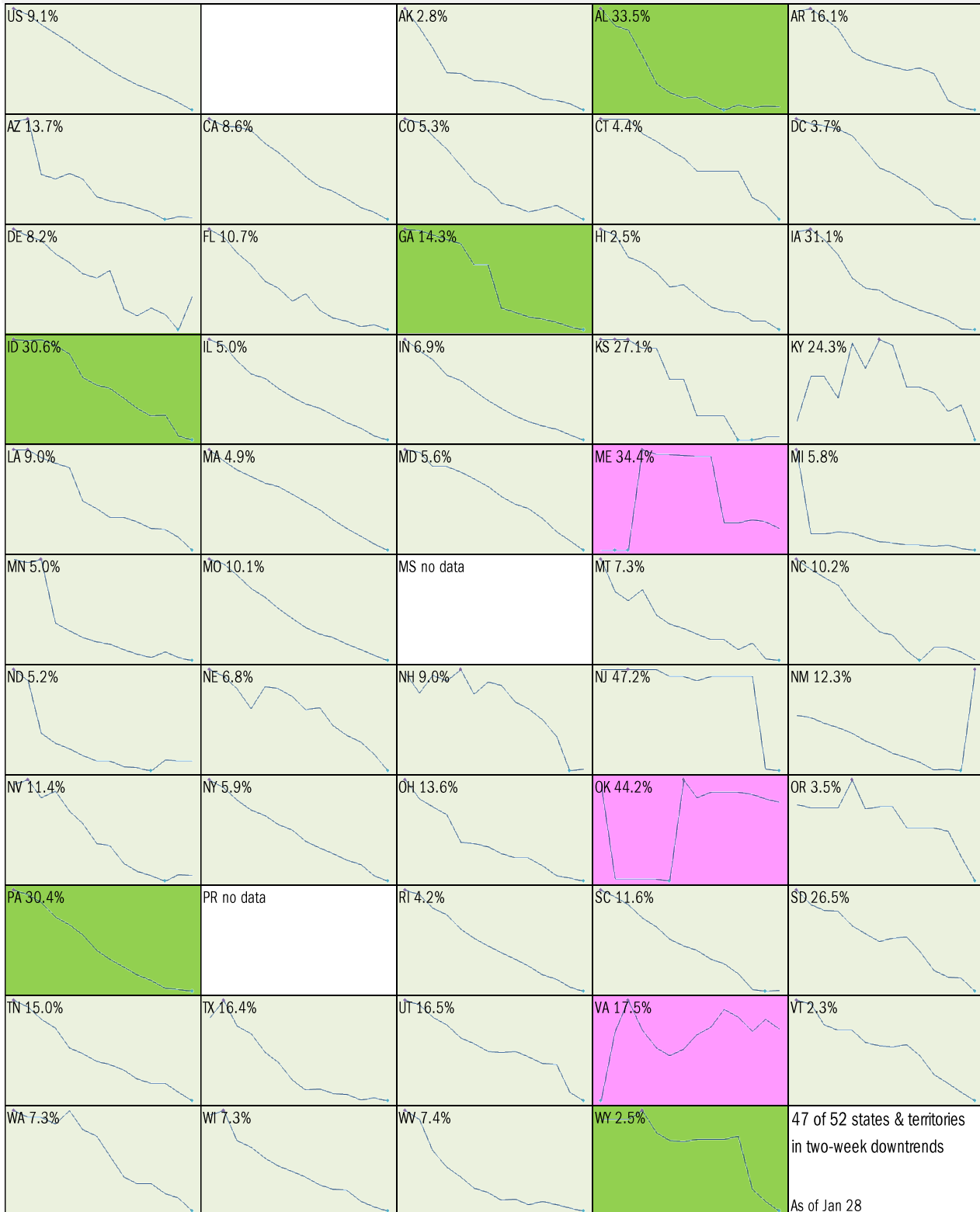


Source: [Covid Tracking Project](#), TrendMacro calculations

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



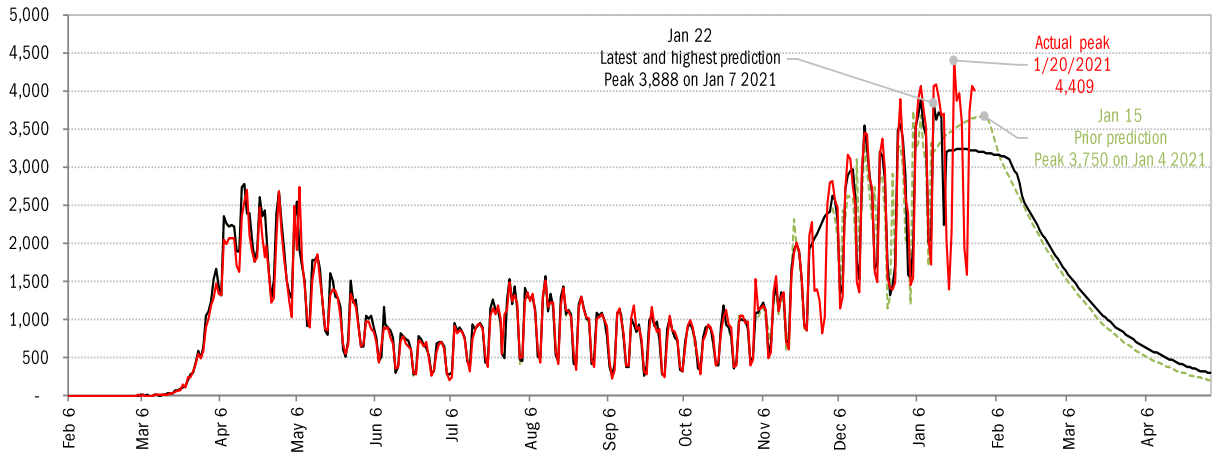
Source: [Covid Tracking Project](#), TrendMacro calculations

Reality-checking the models: actuals versus [IHME predictions](#)

New daily fatalities

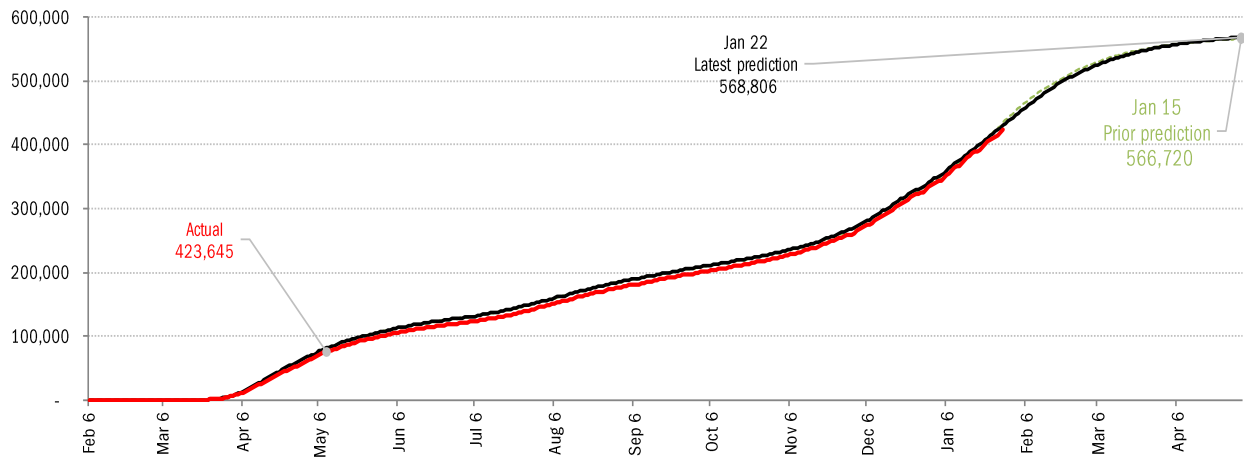
As of Jan 28

Actual versus first, highest, lowest and latest model mean predictions

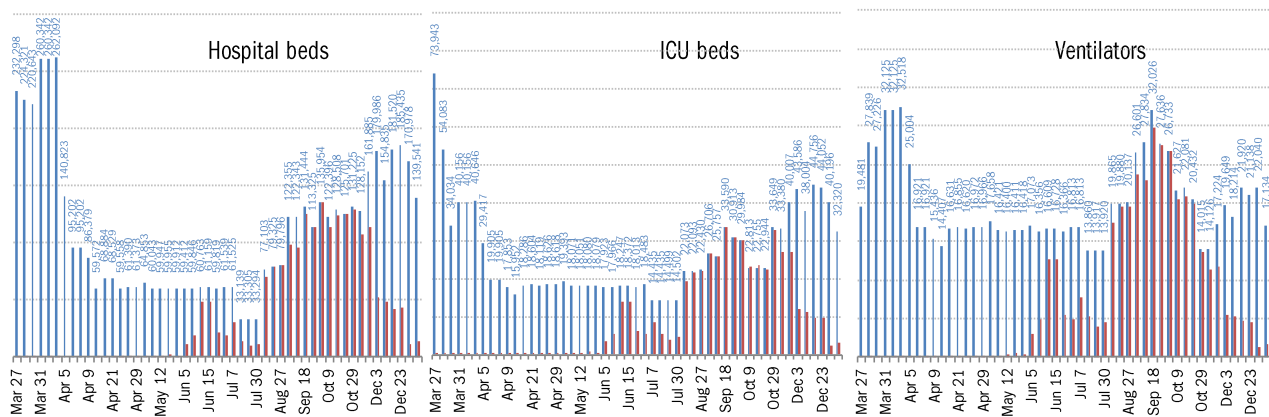


Cumulative fatalities

Actual versus first, highest, lowest and latest model mean predictions

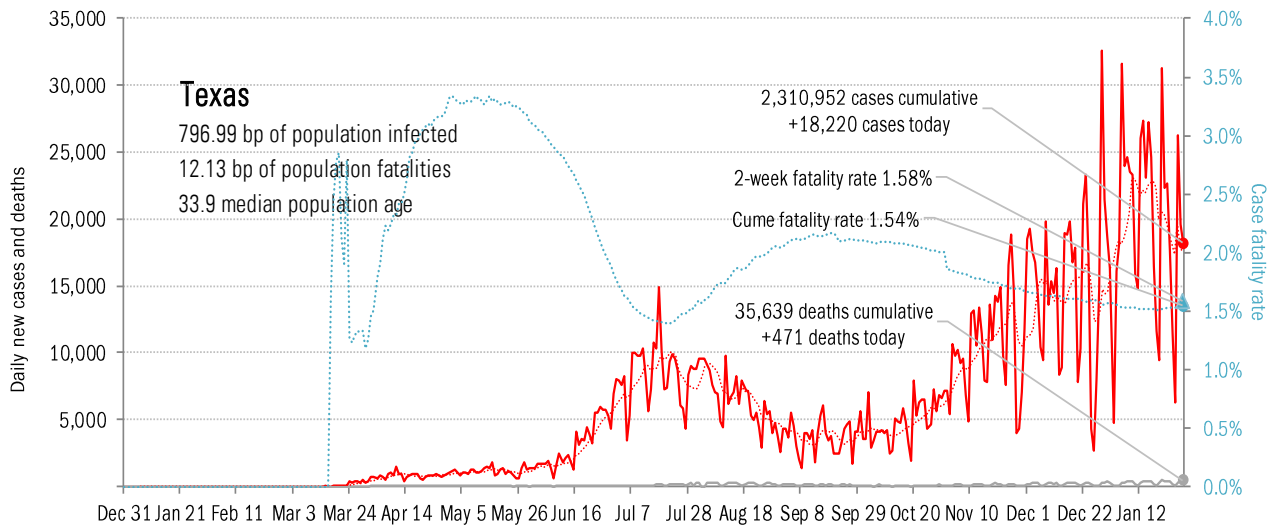
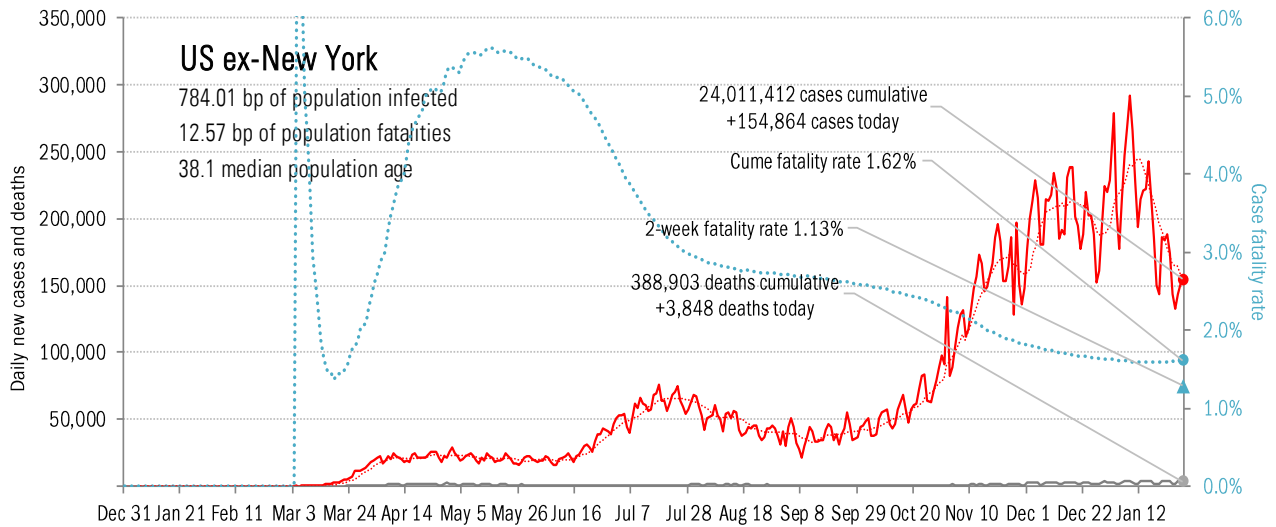
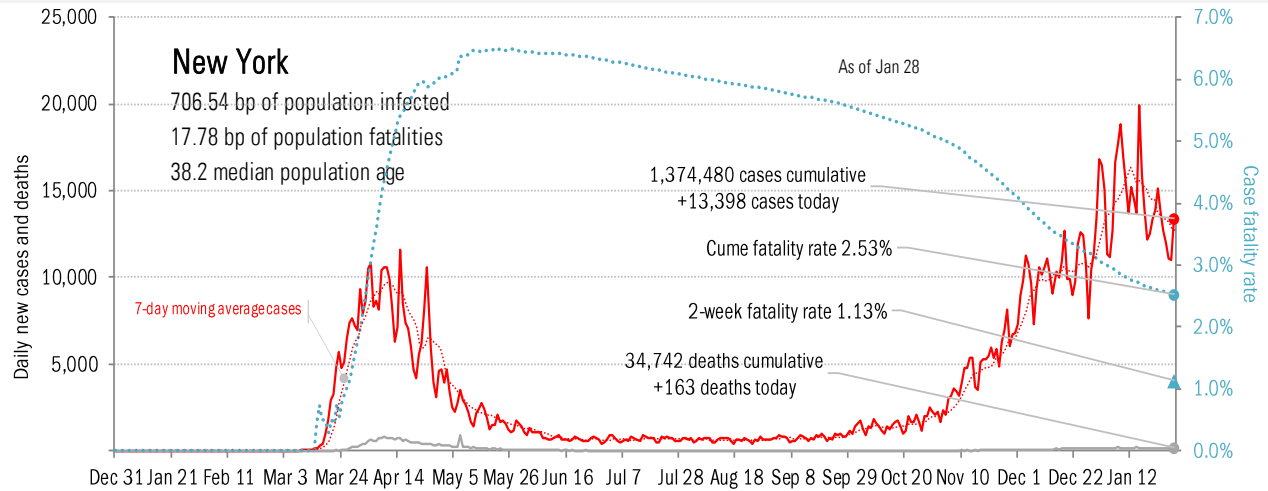


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



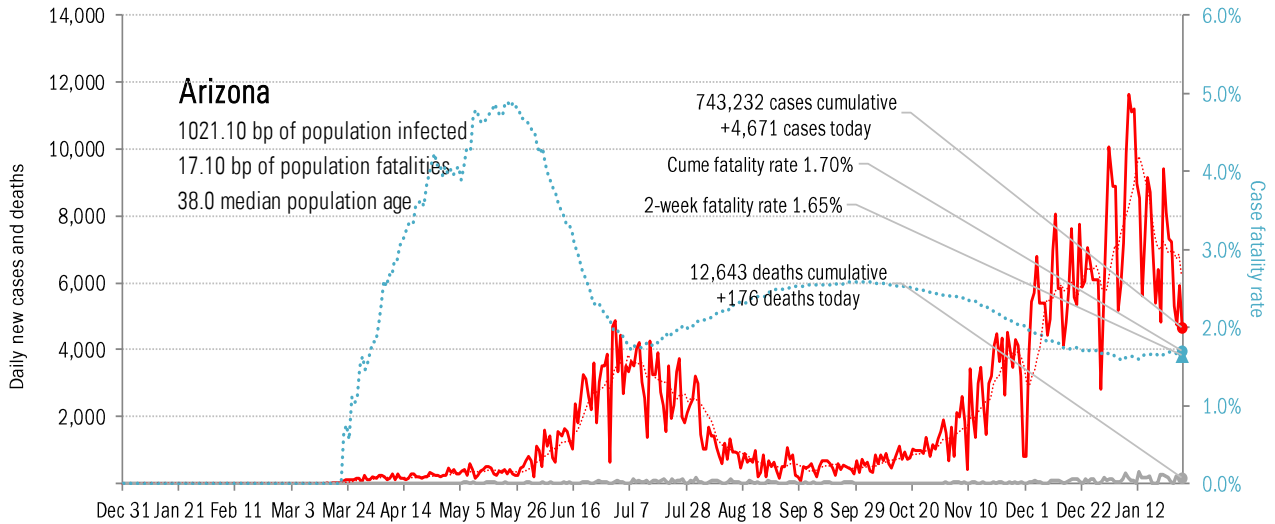
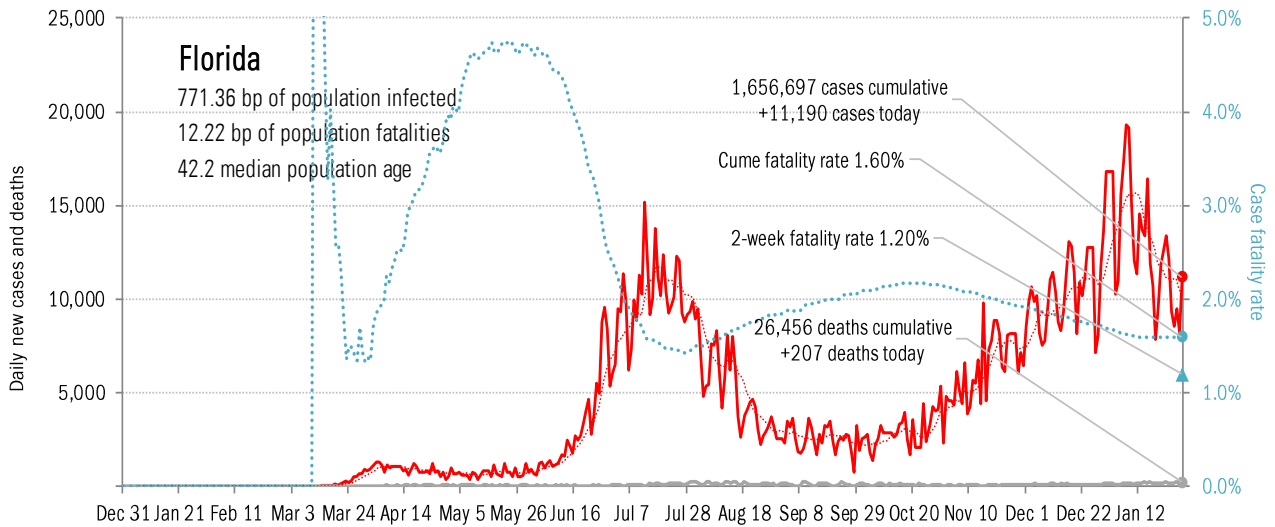
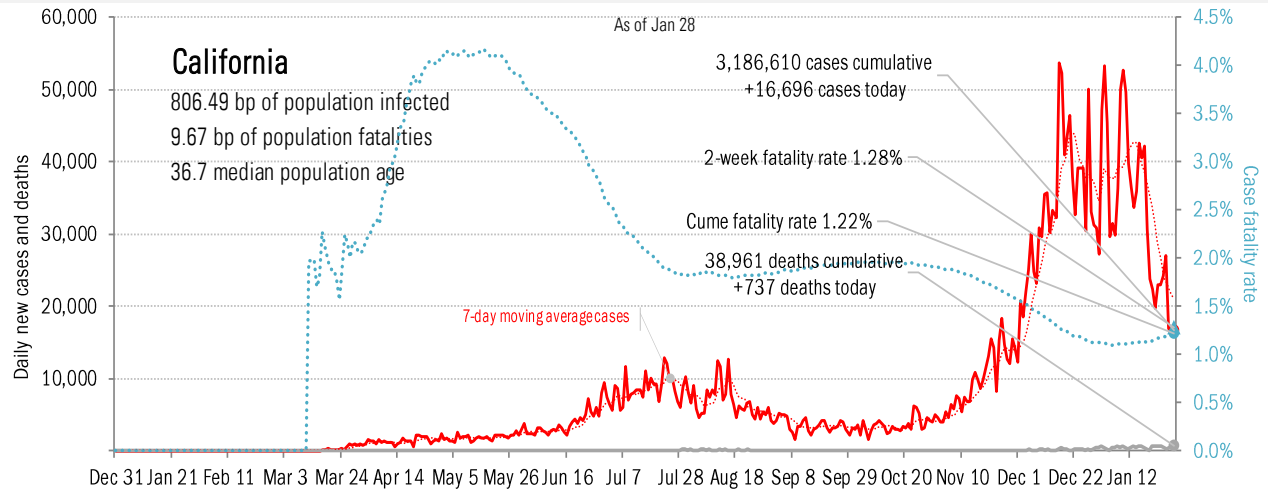
Source: [IHME Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



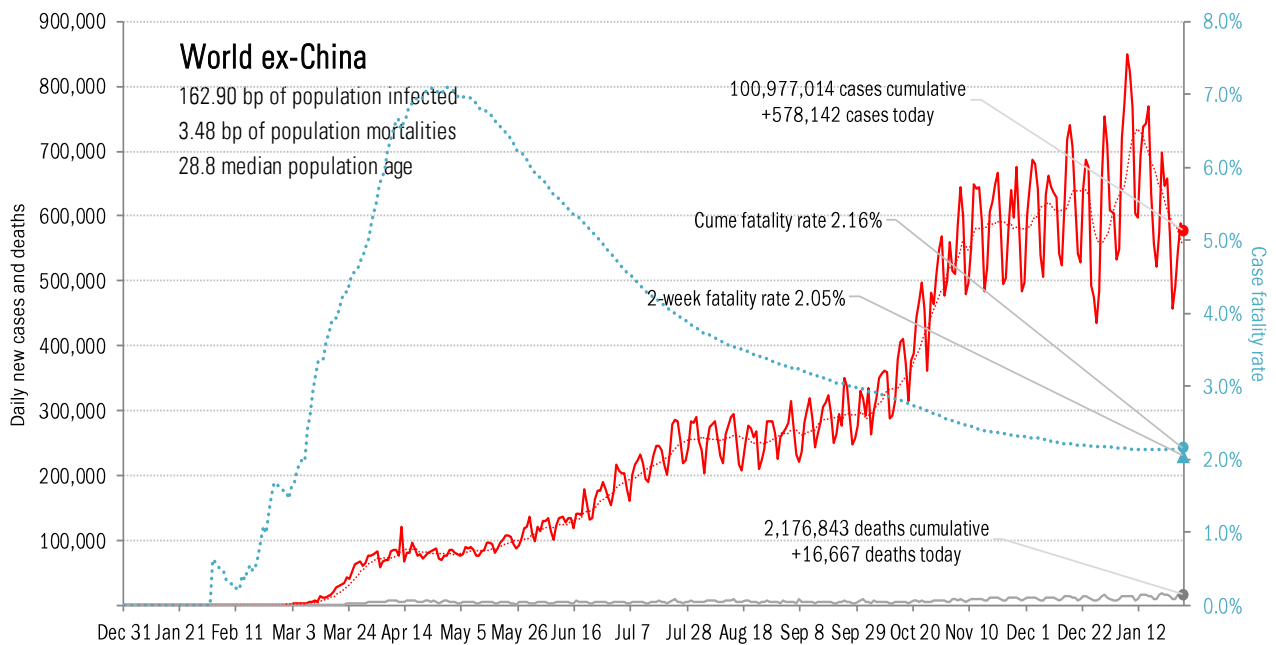
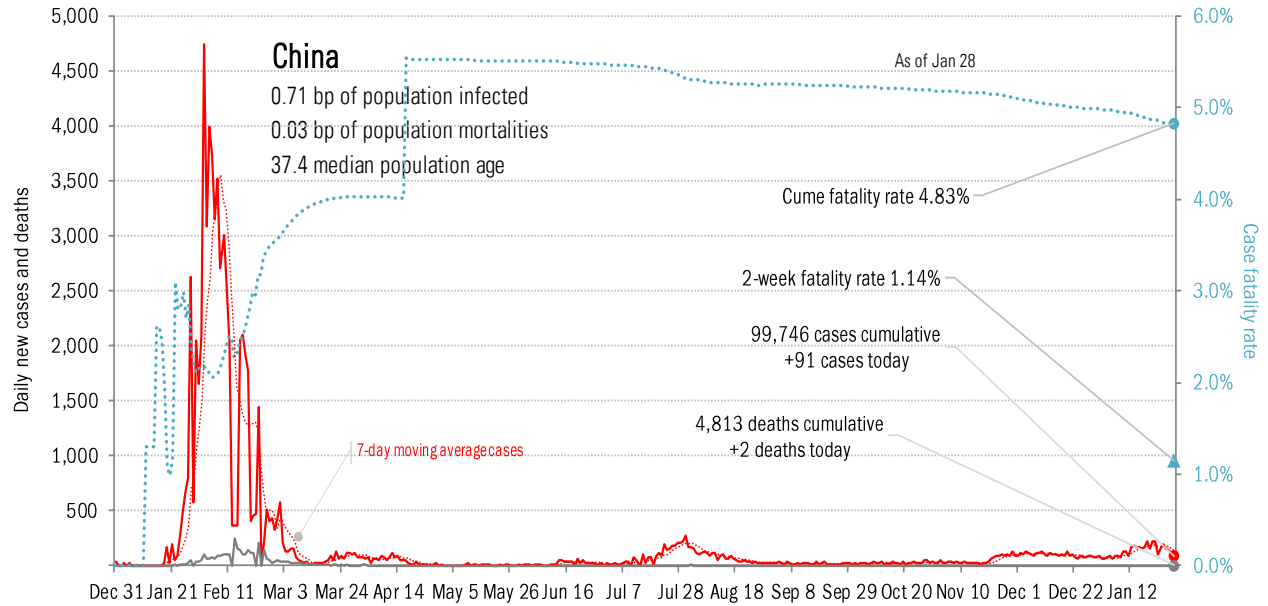
Source: [Covid Tracking Project](#), TrendMacro calculations

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



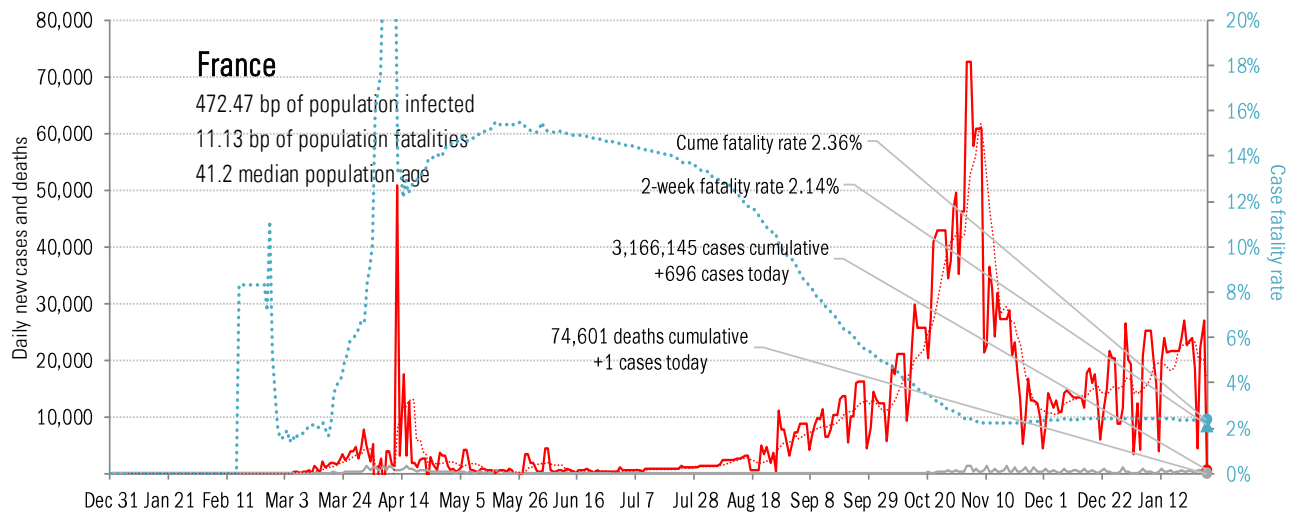
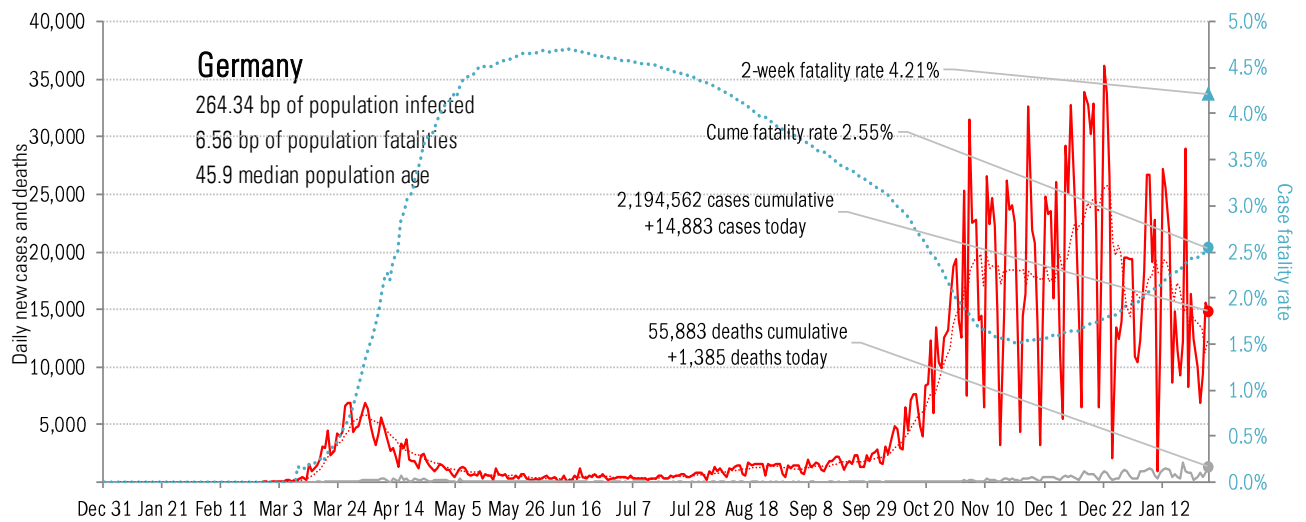
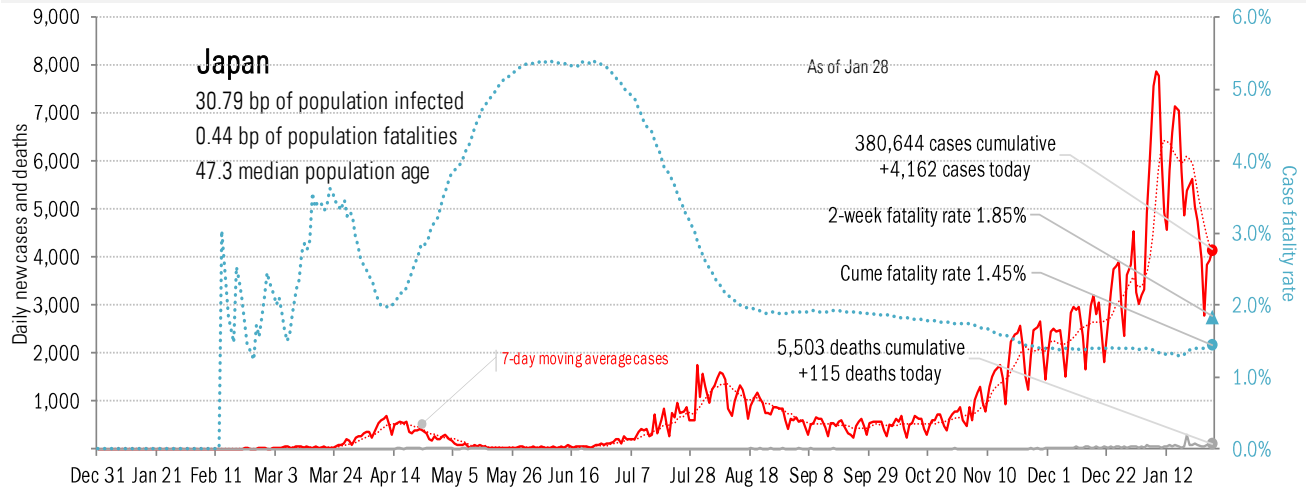
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



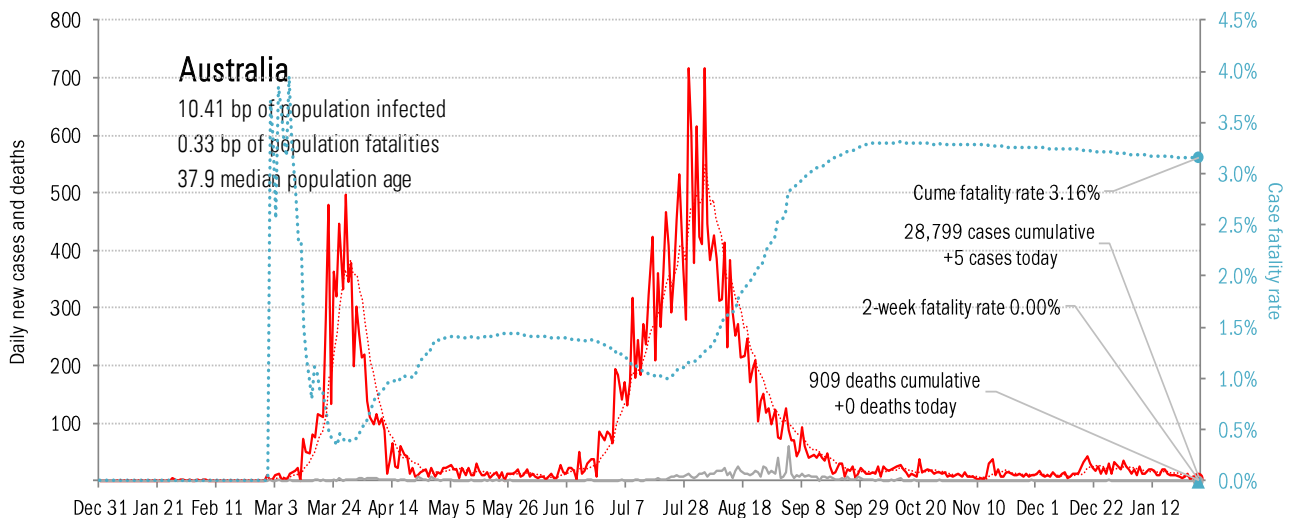
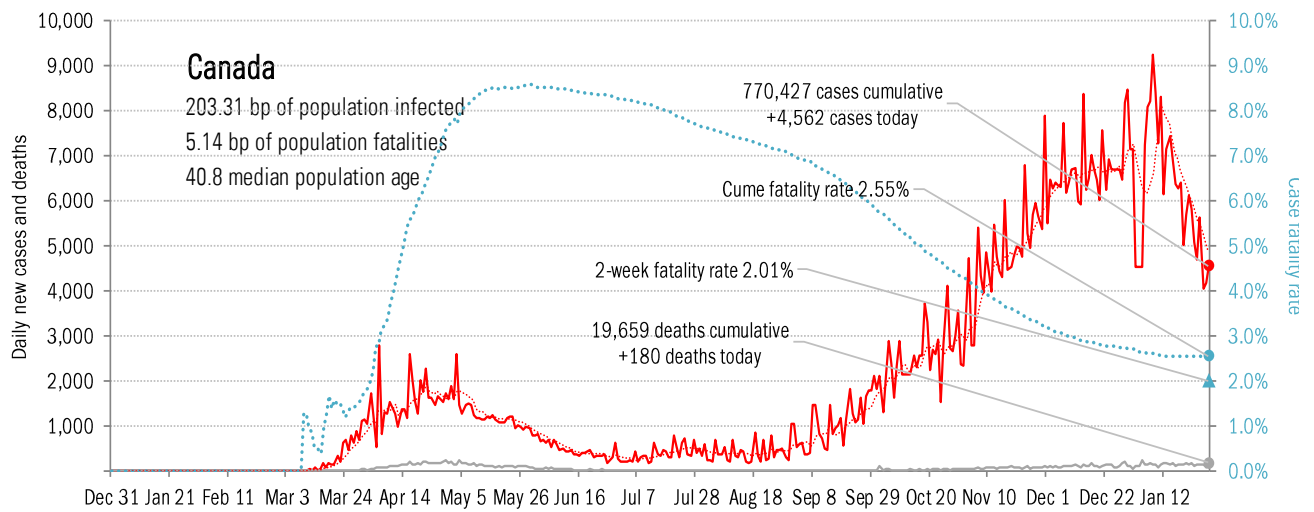
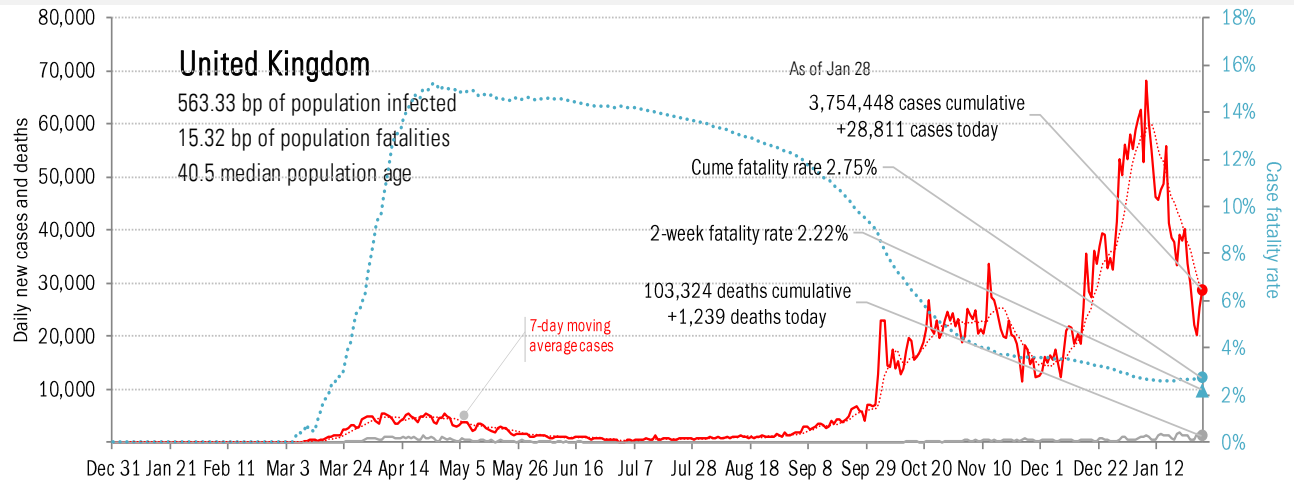
Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



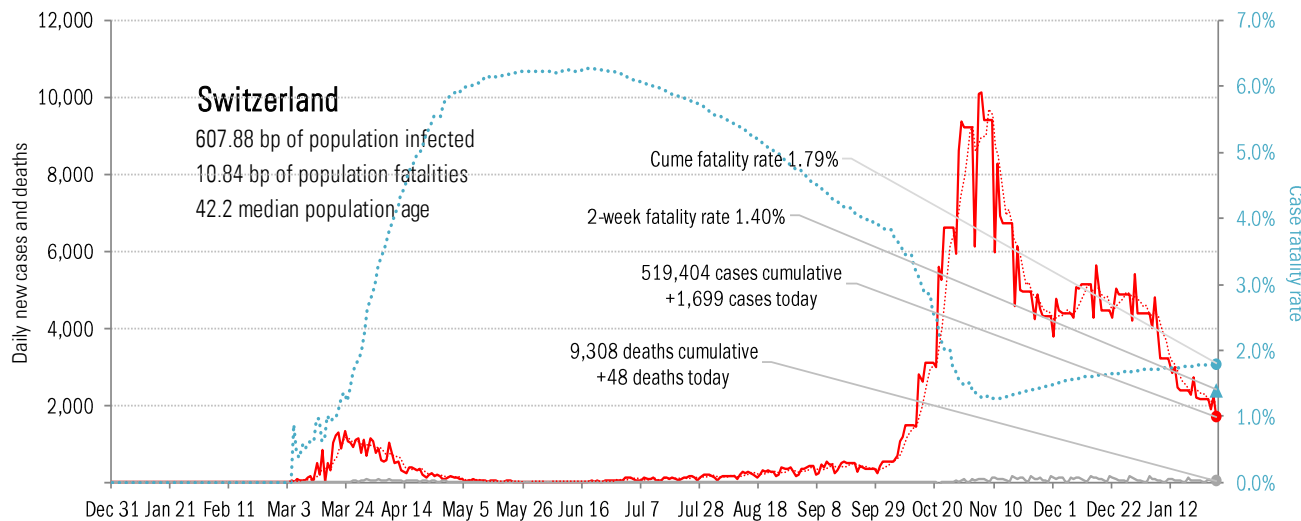
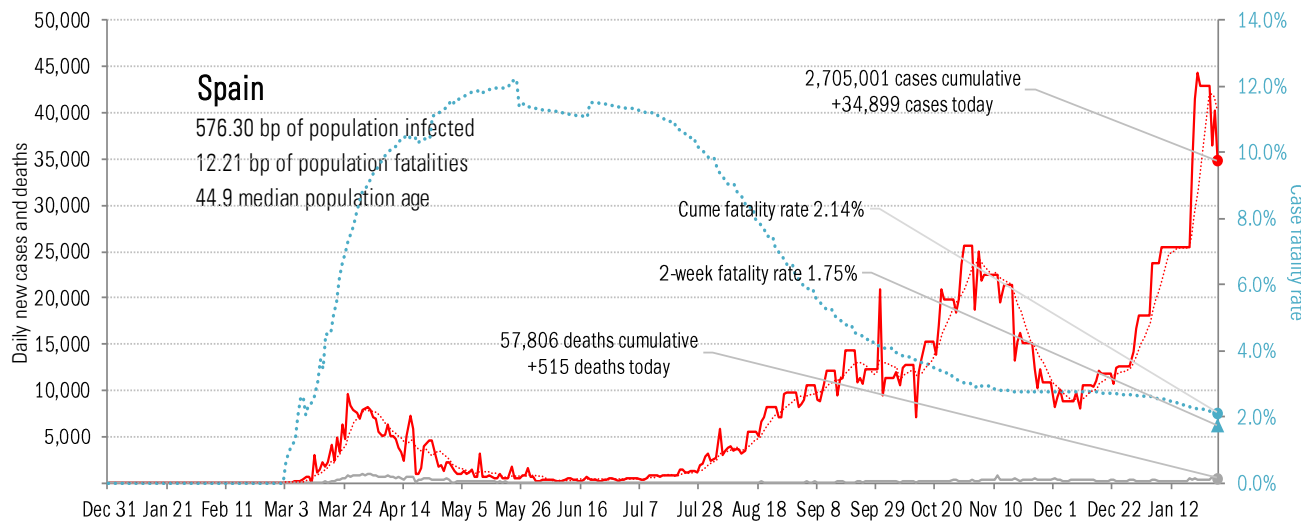
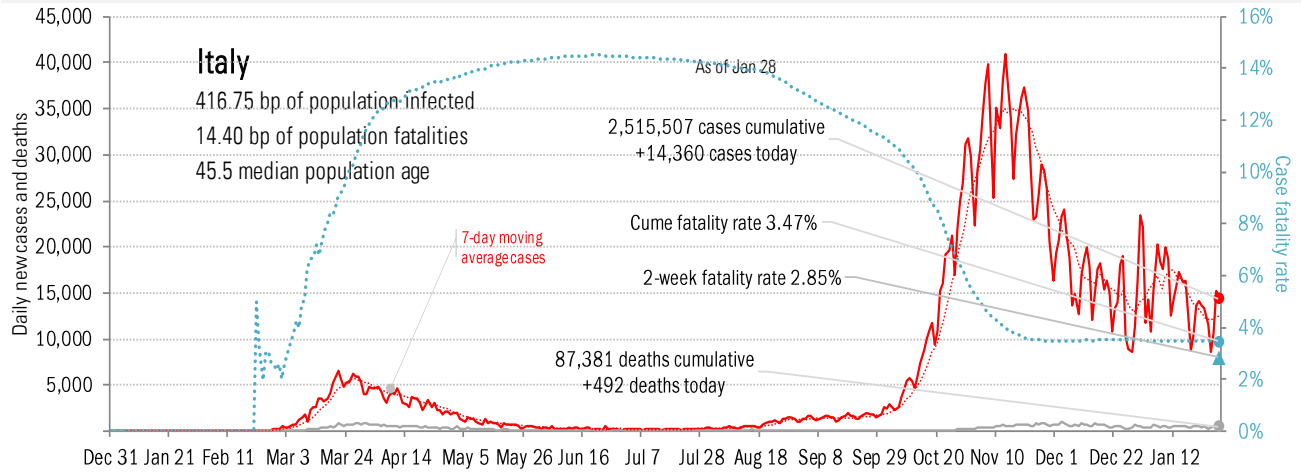
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



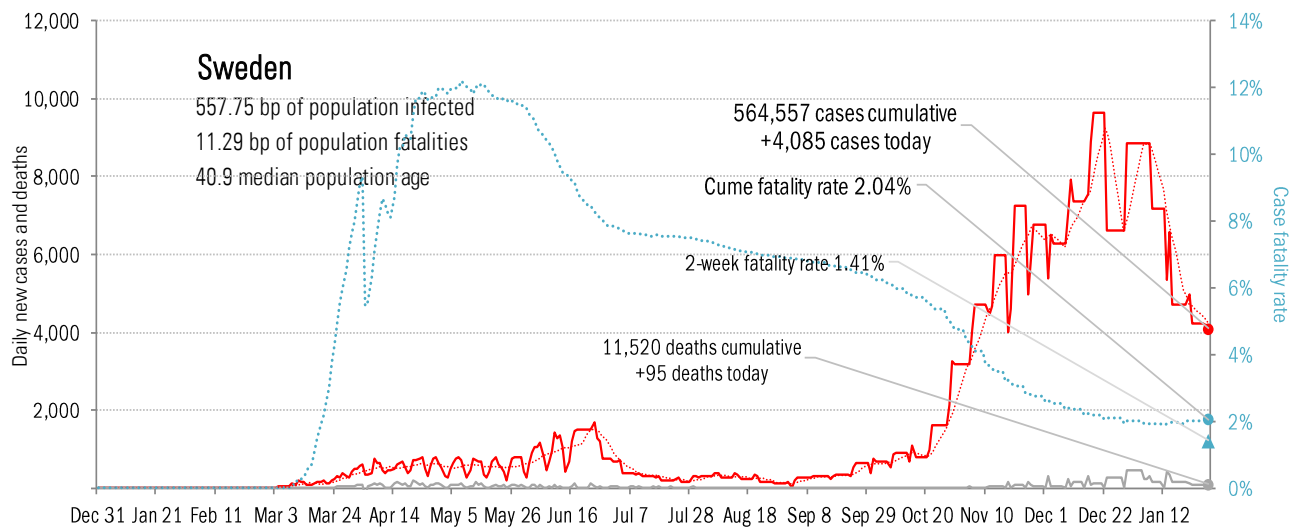
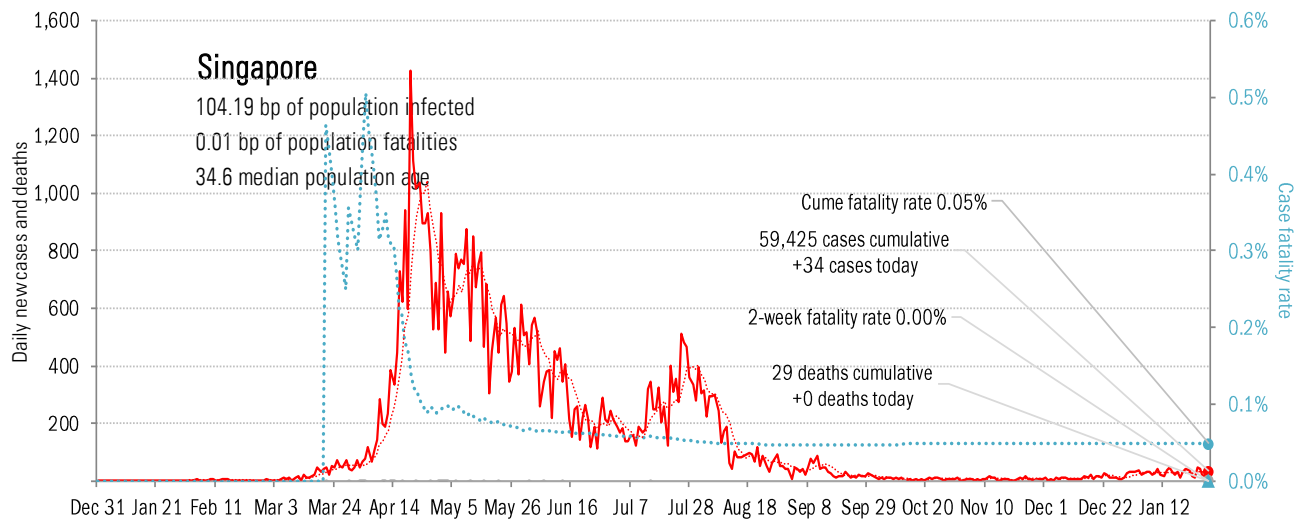
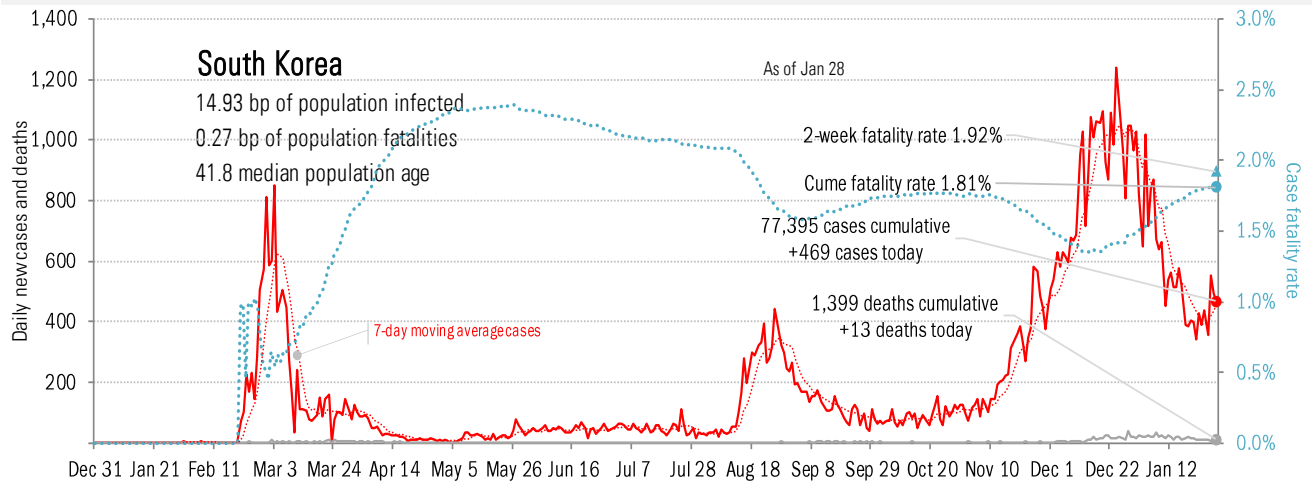
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



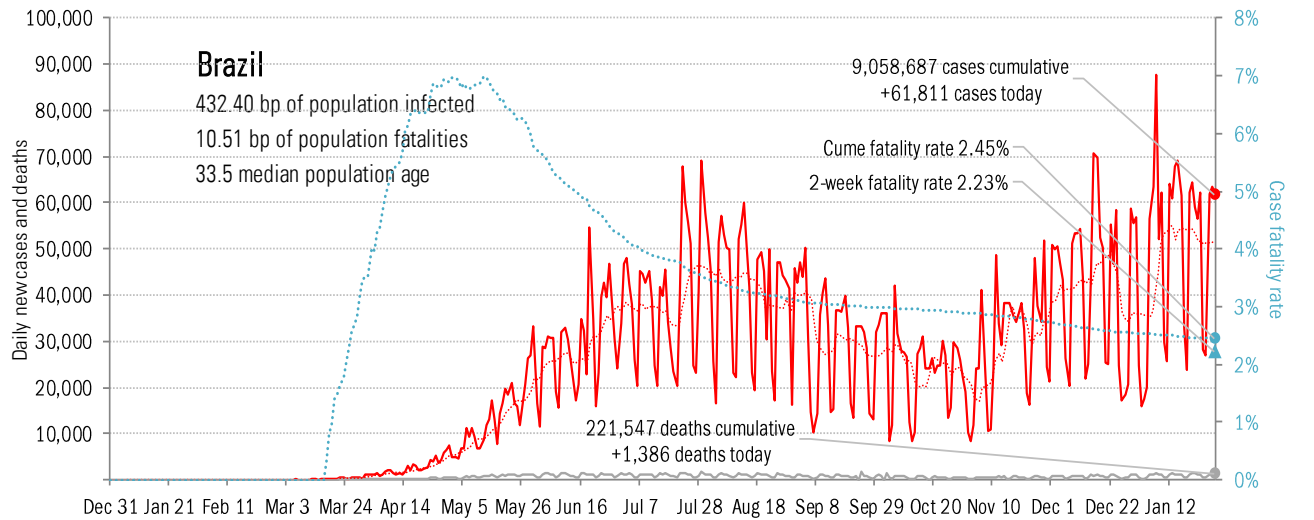
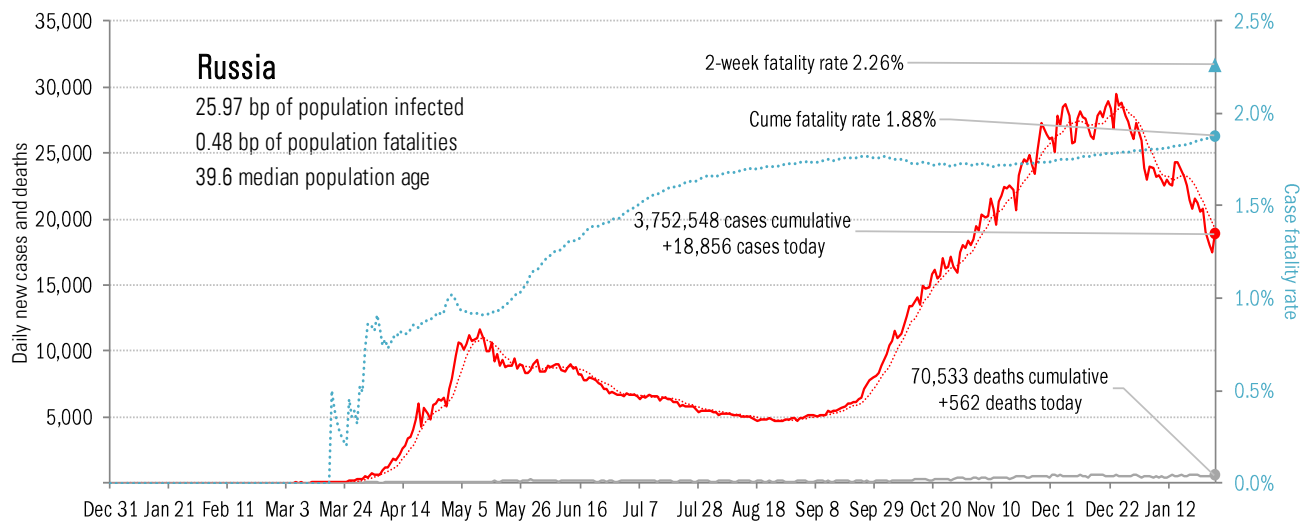
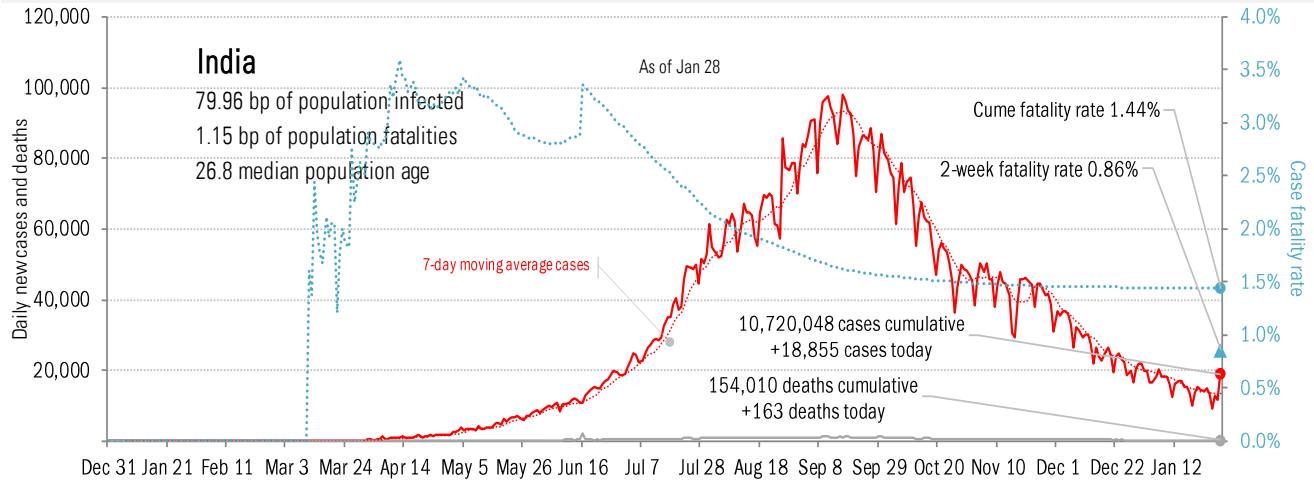
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



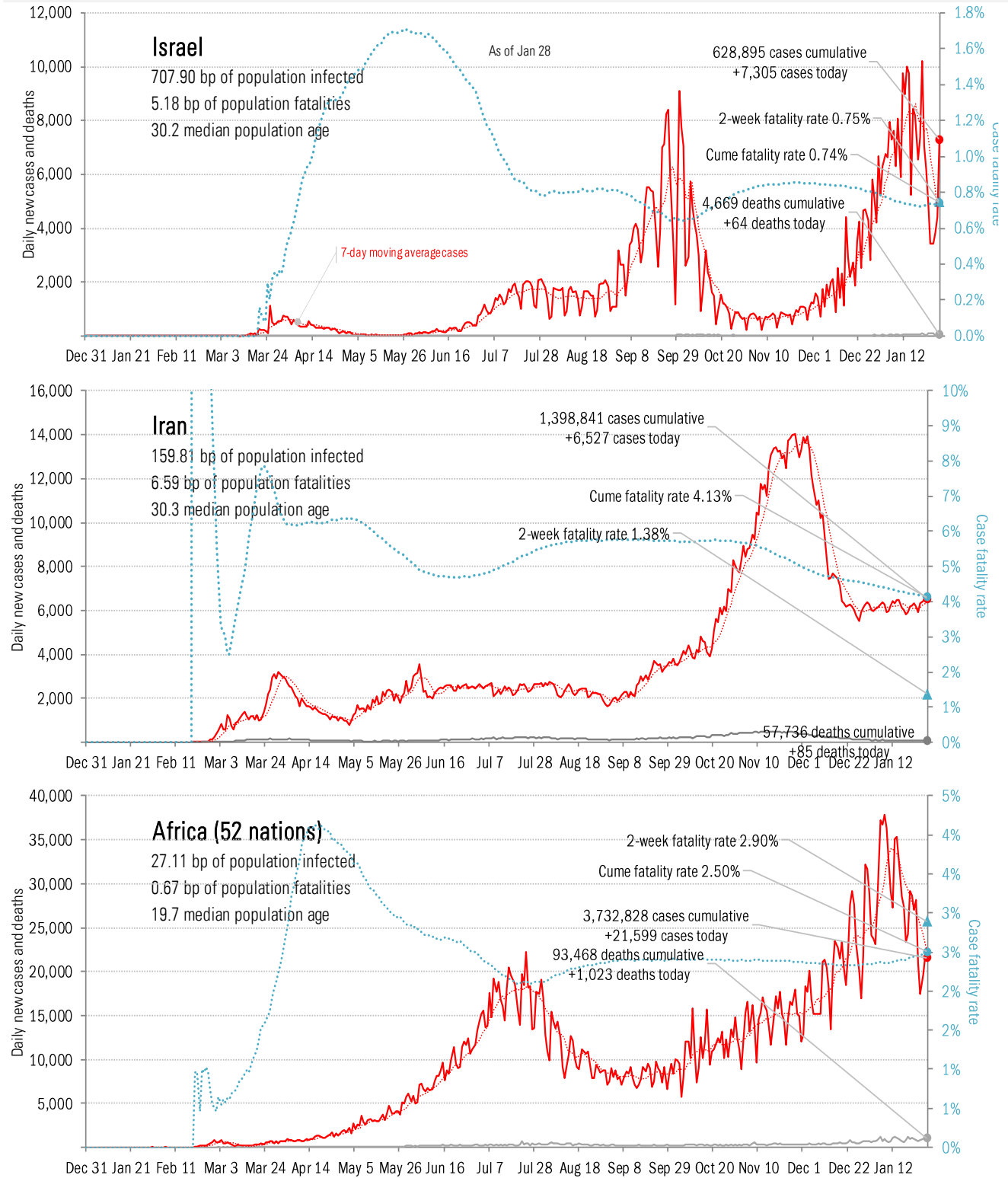
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



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

Impact in the Middle East and Africa



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