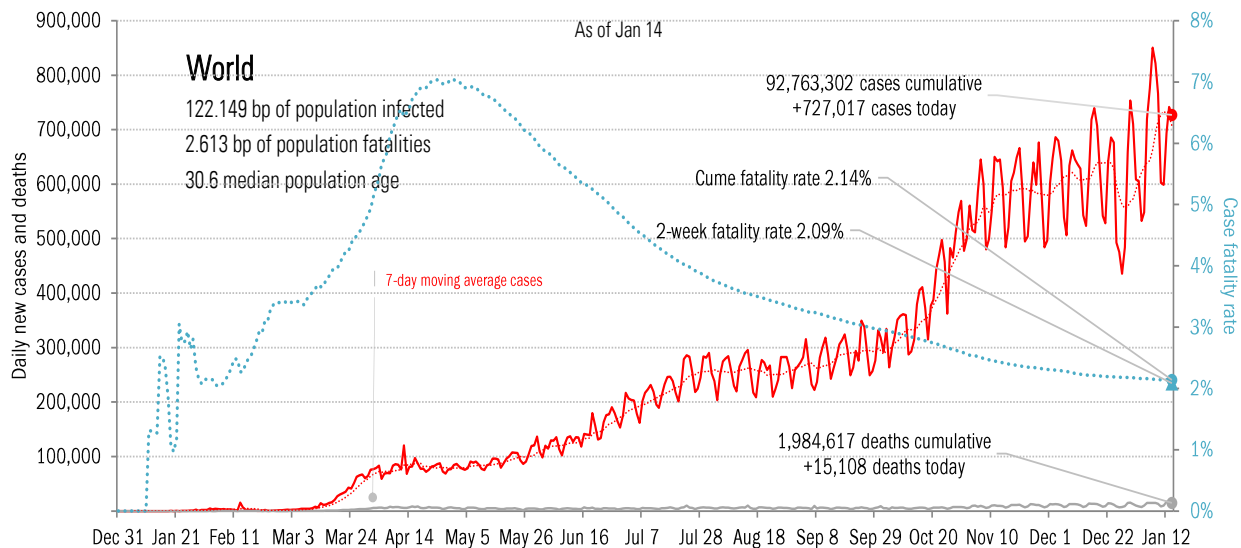
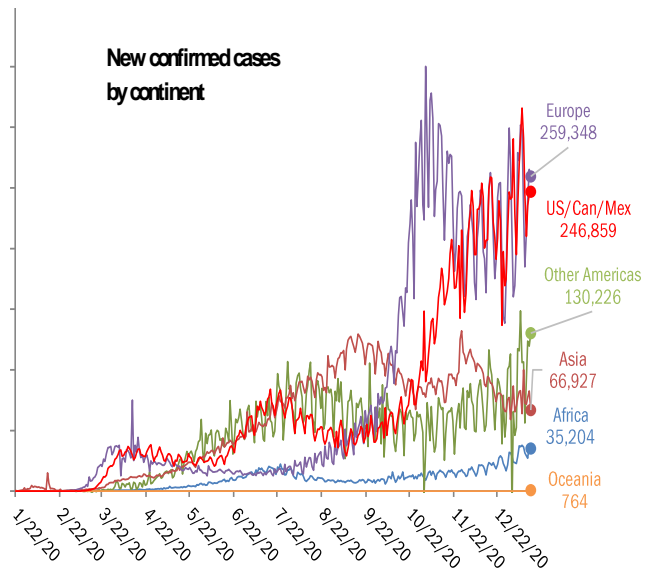


Data Insights: Covid-2019 Monitor

Friday, January 15, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+222,944	United States	+3,915
Brazil	+67,758	United Kingdom	+1,253
United Kingdom	+48,804	Brazil	+1,131
Spain	+35,878	Germany	+1,111
Russia	+24,303	Mexico	+999
France	+21,431	South Africa	+712
Germany	+21,343	Russia	+553
South Africa	+18,503	Italy	+522
Italy	+17,243	Poland	+382
Colombia	+17,121	Colombia	+367
+495,328		+10,945	
World	+727,017	World	+15,108
Top ten	68%	Top ten	72%



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

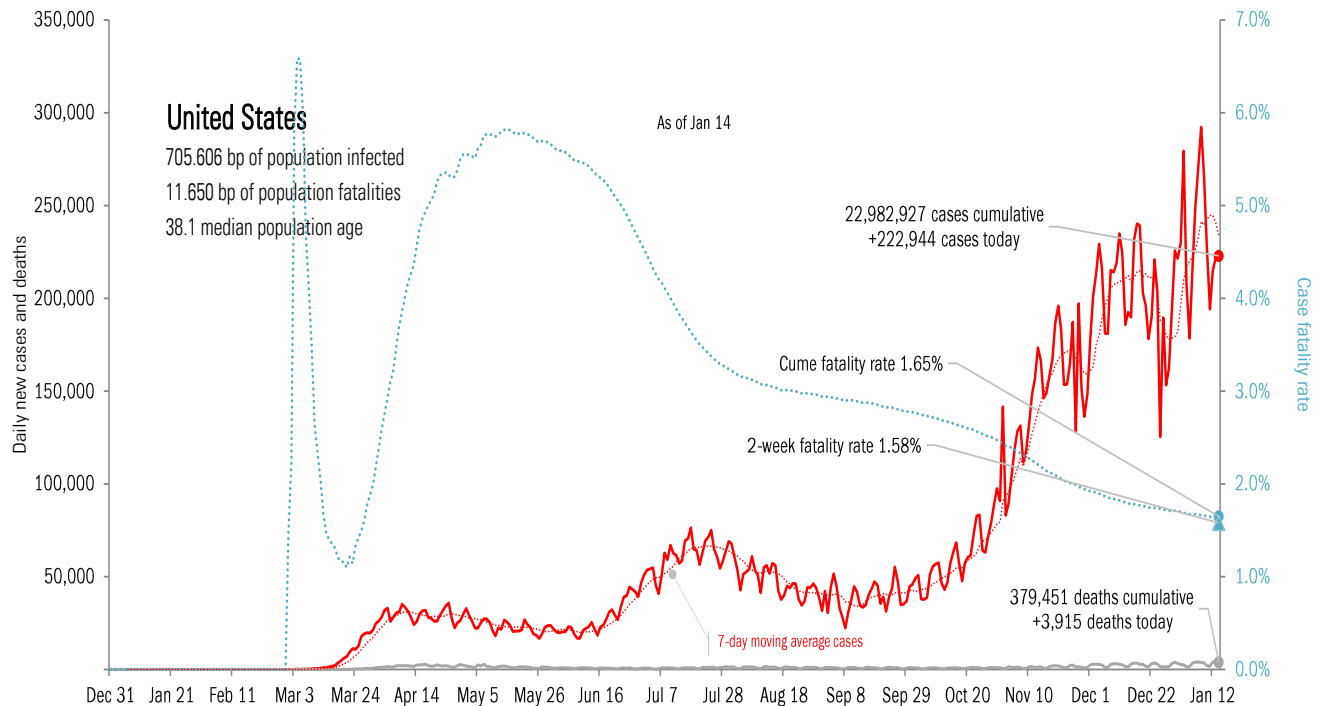
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	+35,930		CA	+552		FL	+178		CA	2,816,969		NY	32,379		NY	89,995		RI	90%	AL	96%
TX	+23,064		TX	+426		MO	+69		TX	2,045,699		CA	31,654		FL	68,011		GA	89%	GA	94%
NY	+13,661		PA	+313		ID	+55		FL	1,503,529		TX	31,050		NJ	54,004		SC	88%	RI	91%
FL	+13,381		FL	+222		NC	+39		NY	1,183,608		FL	23,981		GA	45,893		MD	86%	OK	91%
NC	+9,853		NY	+204		WI	+37		IL	1,052,682		NJ	20,253		AZ	45,260		DC	84%	CA	89%
CH	+7,654		AL	+185		MA	+26		CH	807,293		IL	19,724		CH	42,491		FL	83%	NM	89%
AZ	+7,311		AZ	+182		OR	+23		PA	748,564		PA	18,742		AL	38,450		CA	81%	TN	89%
PA	+7,175		MI	+175		FR	+19		TN	670,482		MI	14,511		IN	37,868		PA	81%	TX	88%
NJ	+7,092		GA	+172		CO	+17		GA	660,720		MA	13,433		MD	29,123		AZ	81%	MS	87%
IL	+6,652		CH	+109		IA	+16		NC	650,926		GA	11,975		MN	23,113		MA	81%	SC	87%
+131,773			+2,540			+479			12,140,472			217,702			474,208			All states 76%		80%	
All states +222,944			+3,915			-1444			All states 22,982,927			379,451			746,650			All states 76%		80%	
Top ten 59%			65%			-33%			Top ten 53%			57%			64%			Median 73%		78%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
KS	-4,539	KS	-100	KS	-302	MA	+30,681
TX	-4,279	CT	-70	CA	-225	TX	+18,580
CT	-2,561	TN	-53	IL	-220	PA	+12,867
UT	-2,446	WA	-41	GA	-151	AL	+10,277
NY	-916	CA	-37	NJ	-111	TN	+7,909

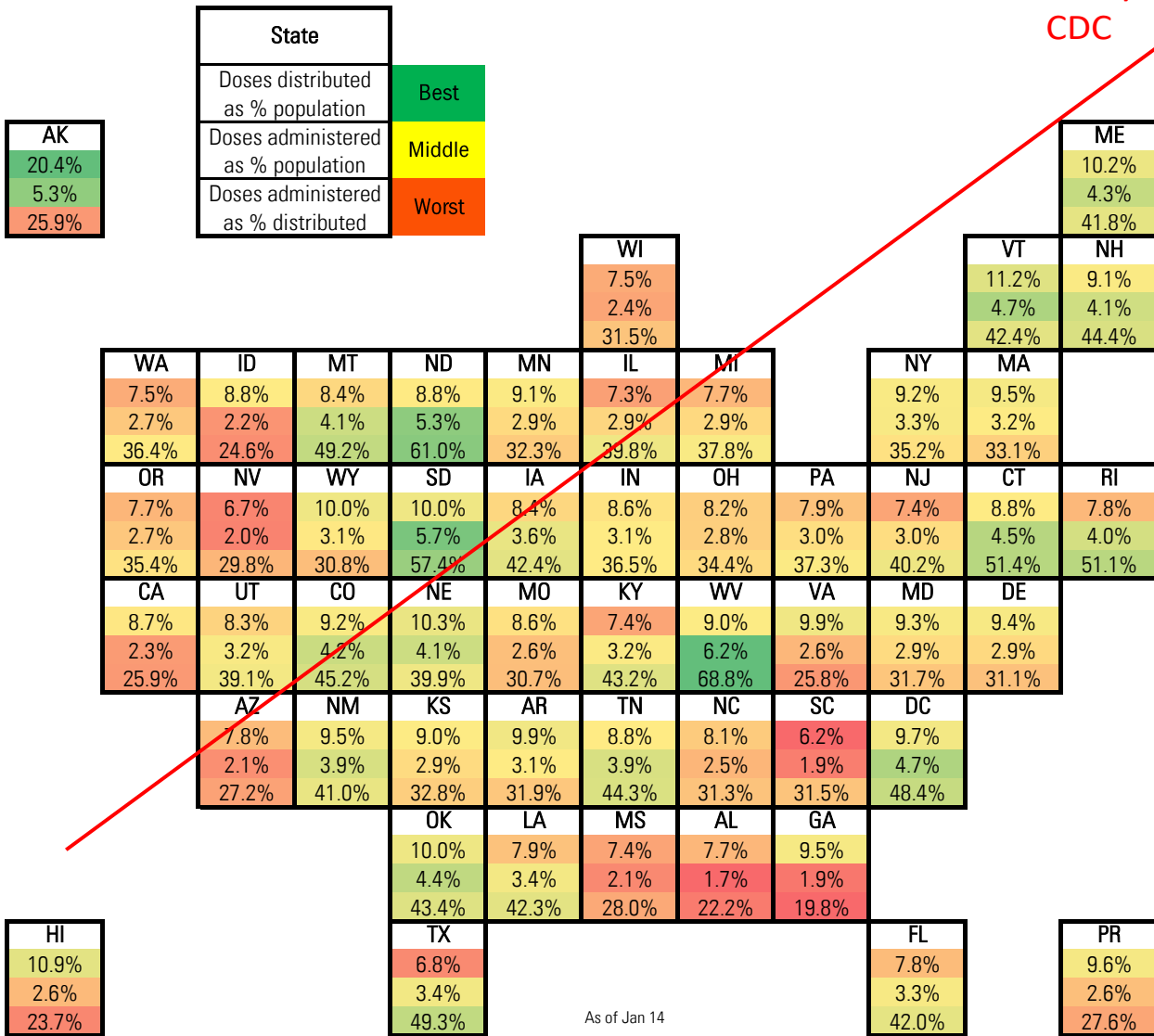


Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US

US overall	
30.63 million doses distributed	+1.25 million/day
11.15 million 1st doses received	+0.87 million/day
4.56 million distributed to long term care	+0.00 million/day
1.23 million 1st doses long-term care	+0.14 million/day
36.4% of distributed doses administered	
3.4% of US population vaccinated	

Data not reported today by CDC

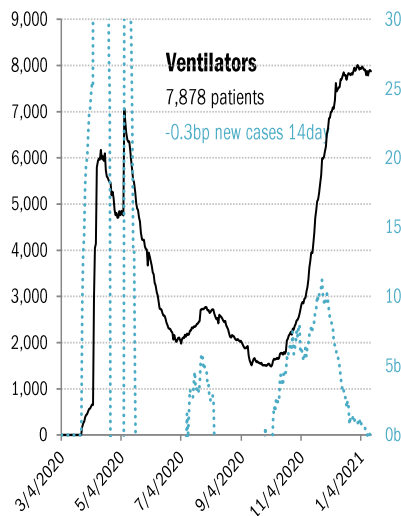
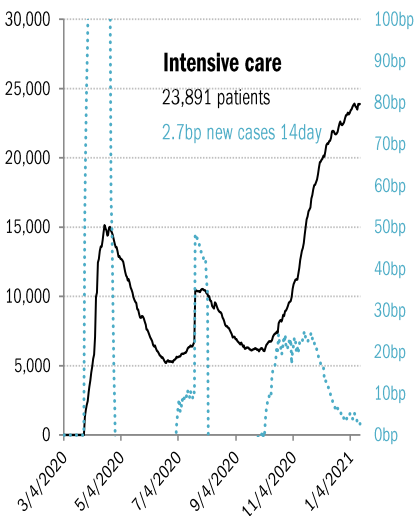
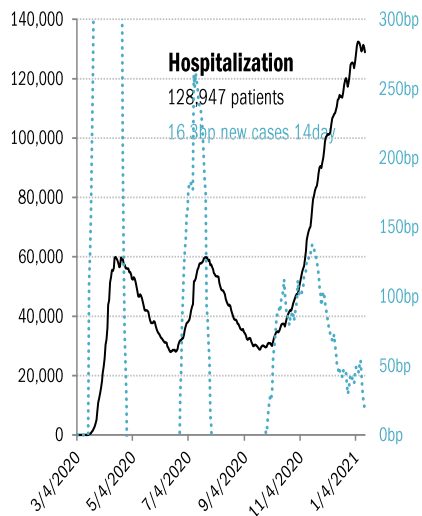
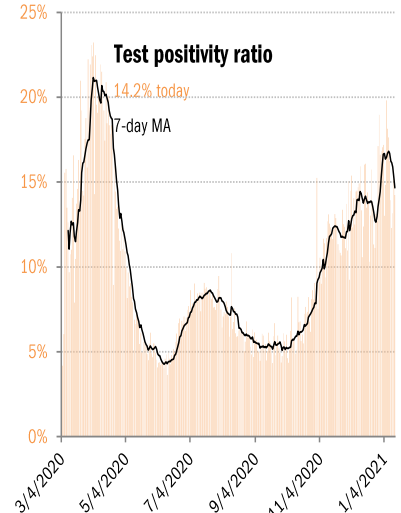
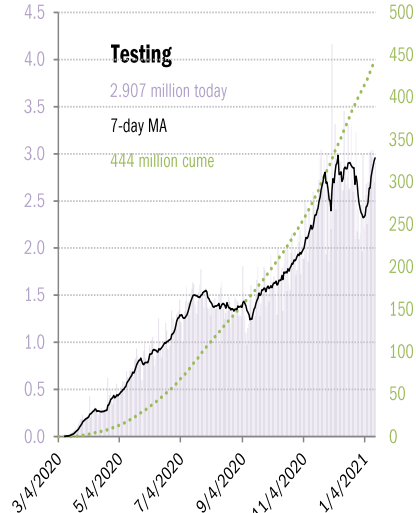
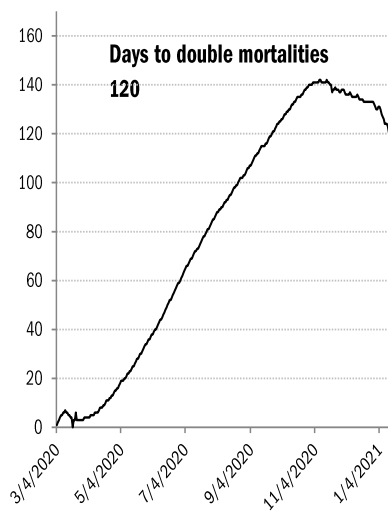
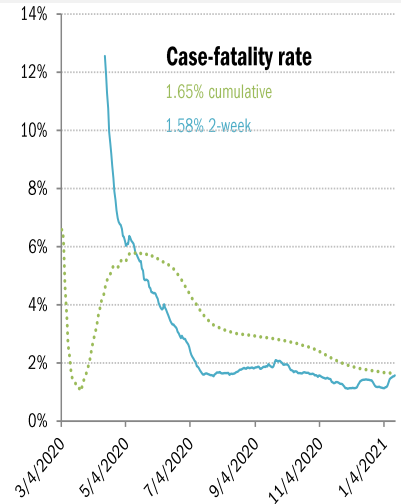
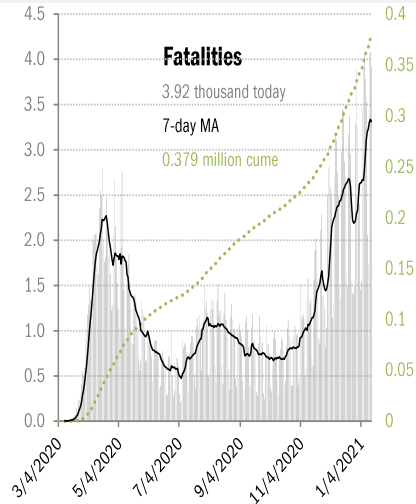
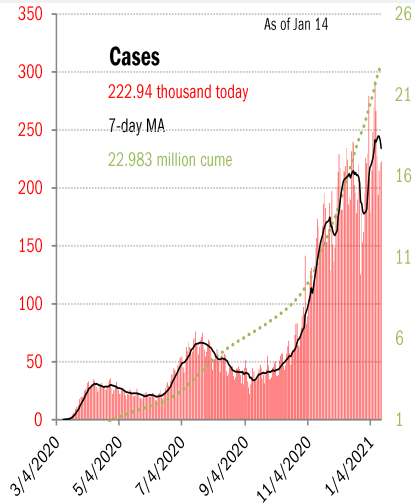


As of Jan 14

Source: [CDC](#), TrendMacro calculations

US deep-dive

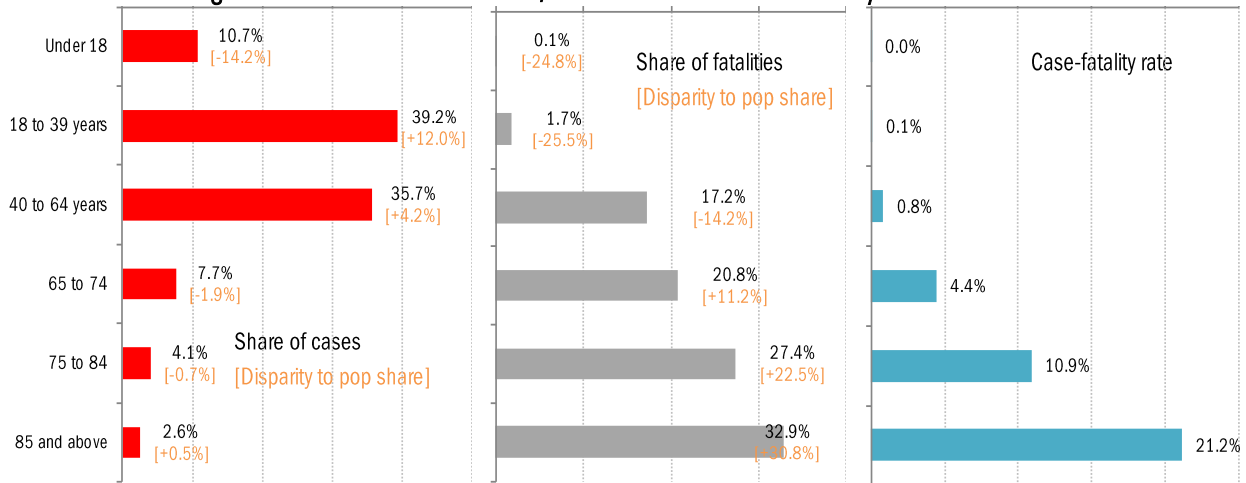
National and state-by-state data do not line up because of different sources



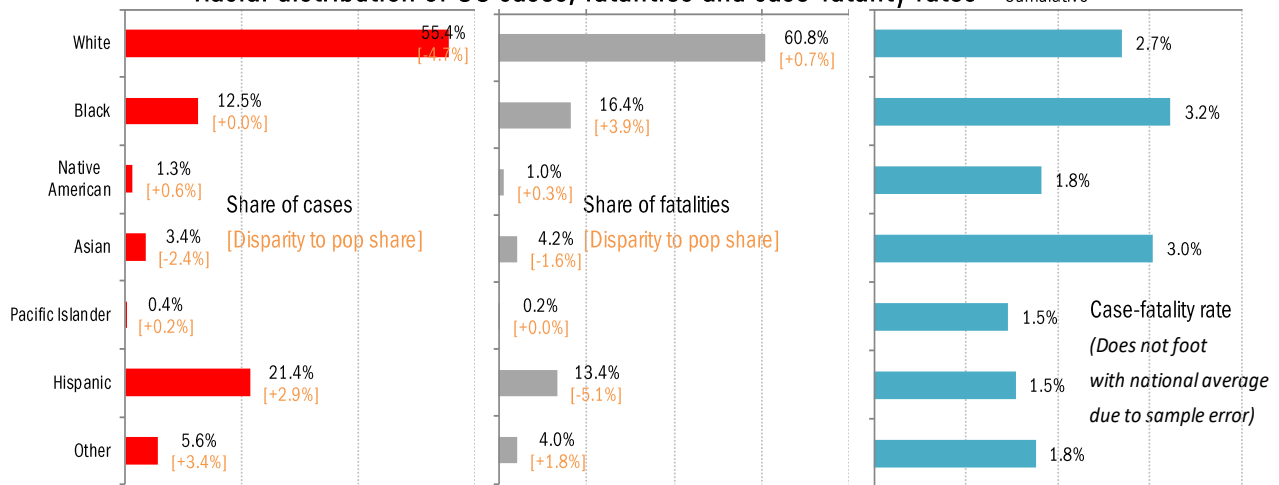
Source: [Covid Tracking Project](https://covidtracking.com), TrendMacro calculations

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

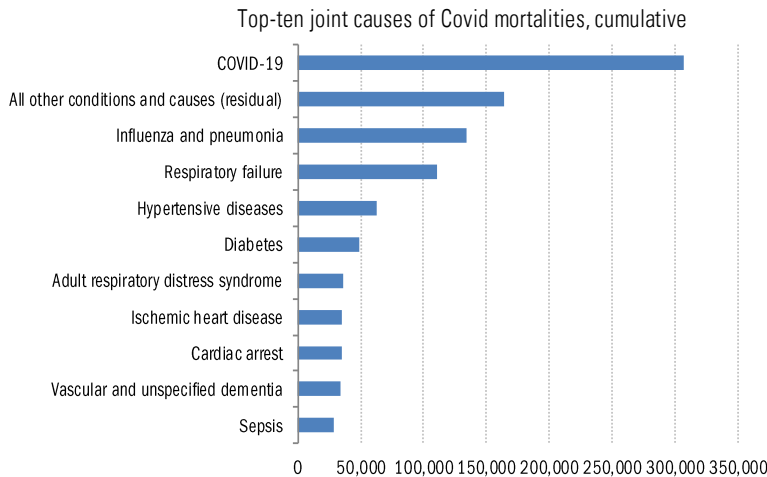
Age distribution of US cases, fatalities and case-fatality rates



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



Comorbidities



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

[The Good News on Cancer](#)

Wall Street Journal
January 14, 2021

[How Covid paved the Road to Serfdom](#)

Rob Sutton
The Critic
January 12, 2021

[Haystacks of needles: vaccinating India](#)

The Economist
January 15, 2021

[Those \\$2,000 Checks Won't Boost the Economy](#)

John F. Cogan and John B. Taylor
Wall Street Journal
January 14, 2021

[New York Congressman Who Got Vaccine Diagnosed With Covid](#)

Teaganne Finn
Bloomberg
January 14, 2021

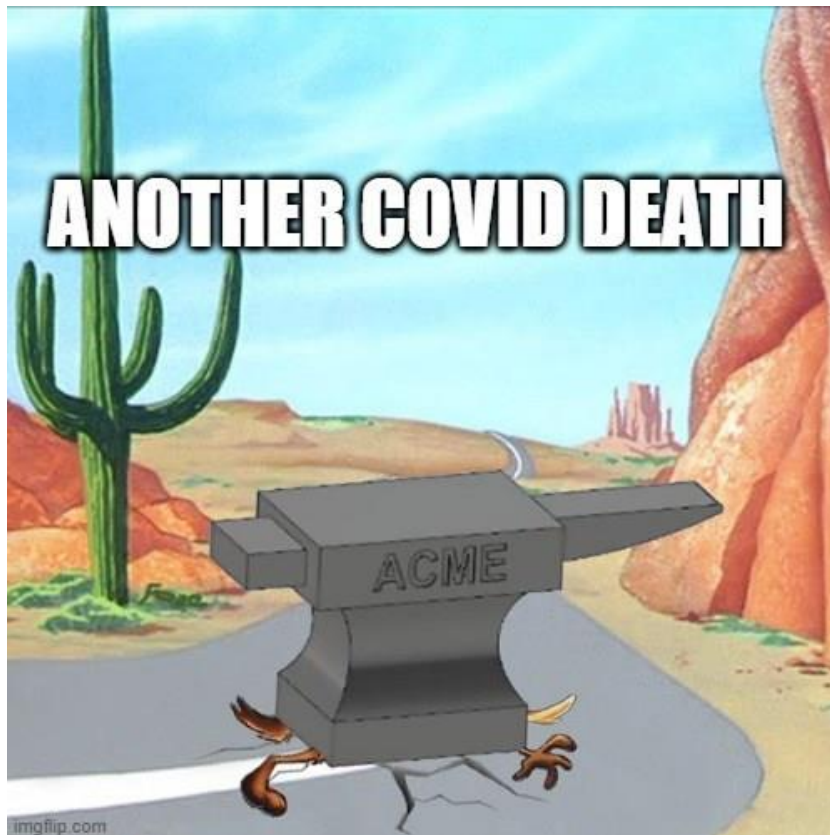
[Comedy Group Capitol Steps To Shut Down After Four Decades](#)

Colleen Grablick and Elliot C. Williams
DCist
January 13, 2021

[Business travel: 'We don't know how many people will choose to fly'](#)

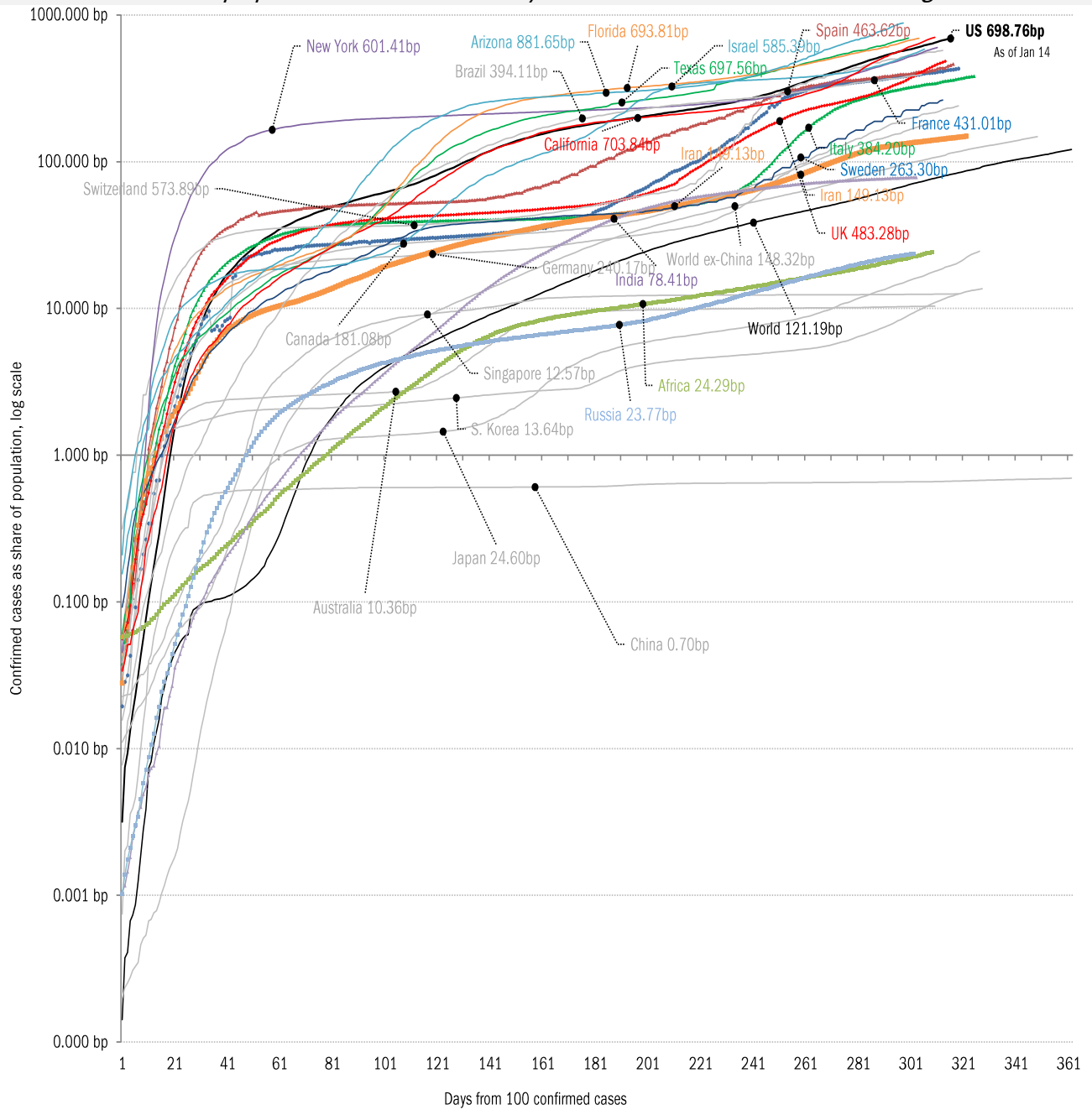
Alice Hancock and Philip Georgiadis
Financial Times
January 13, 2021

Meme of day



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

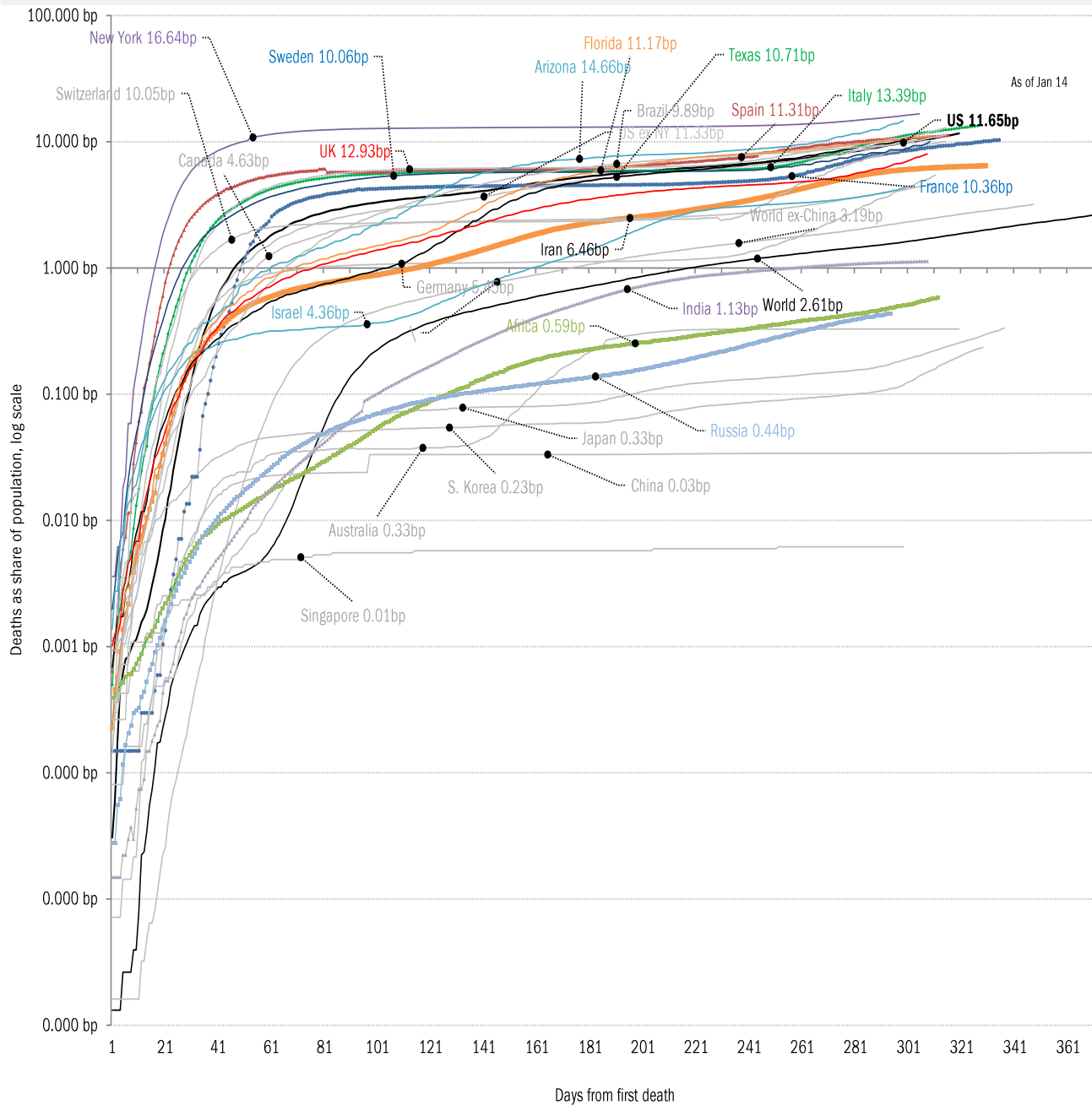
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

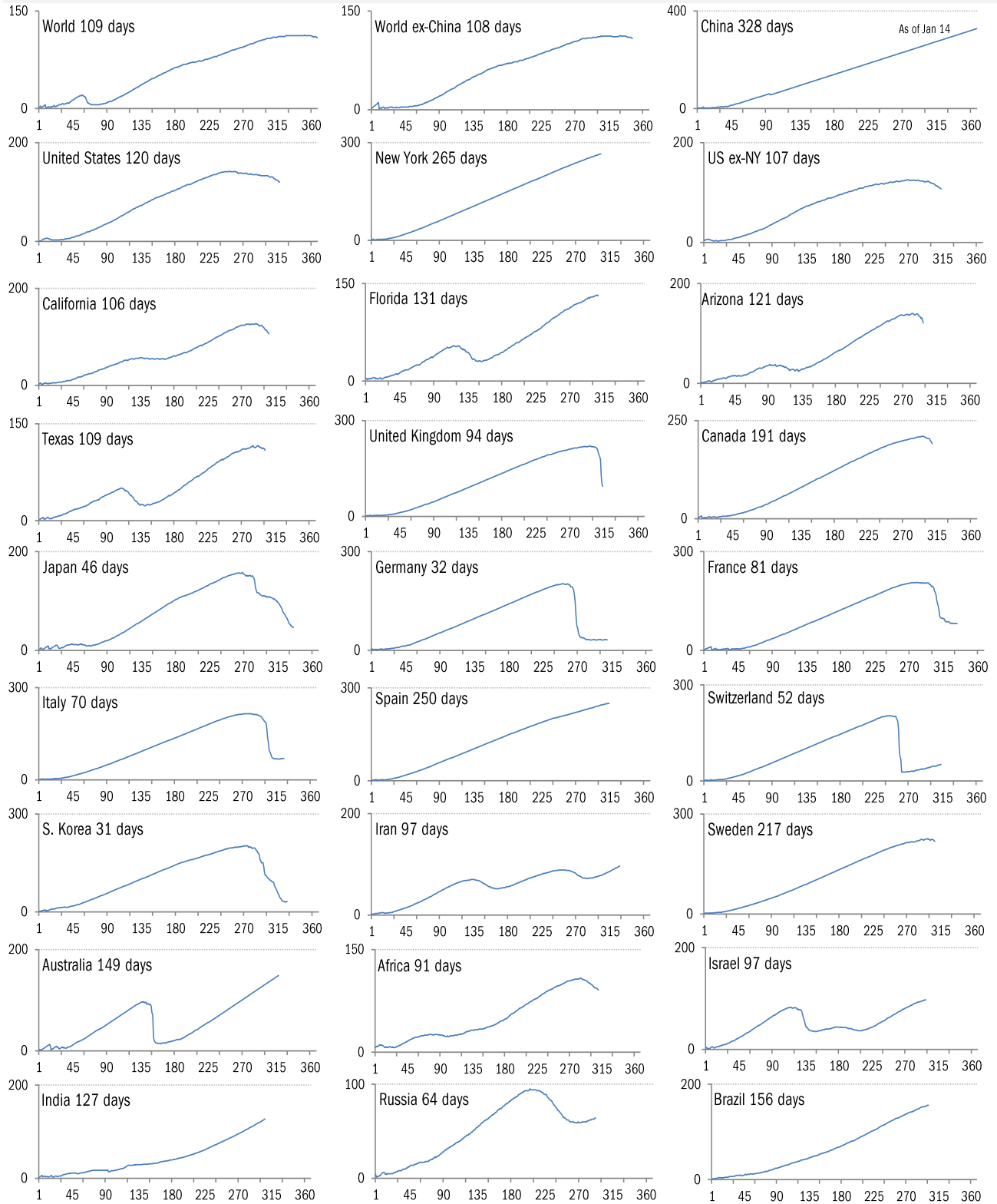


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

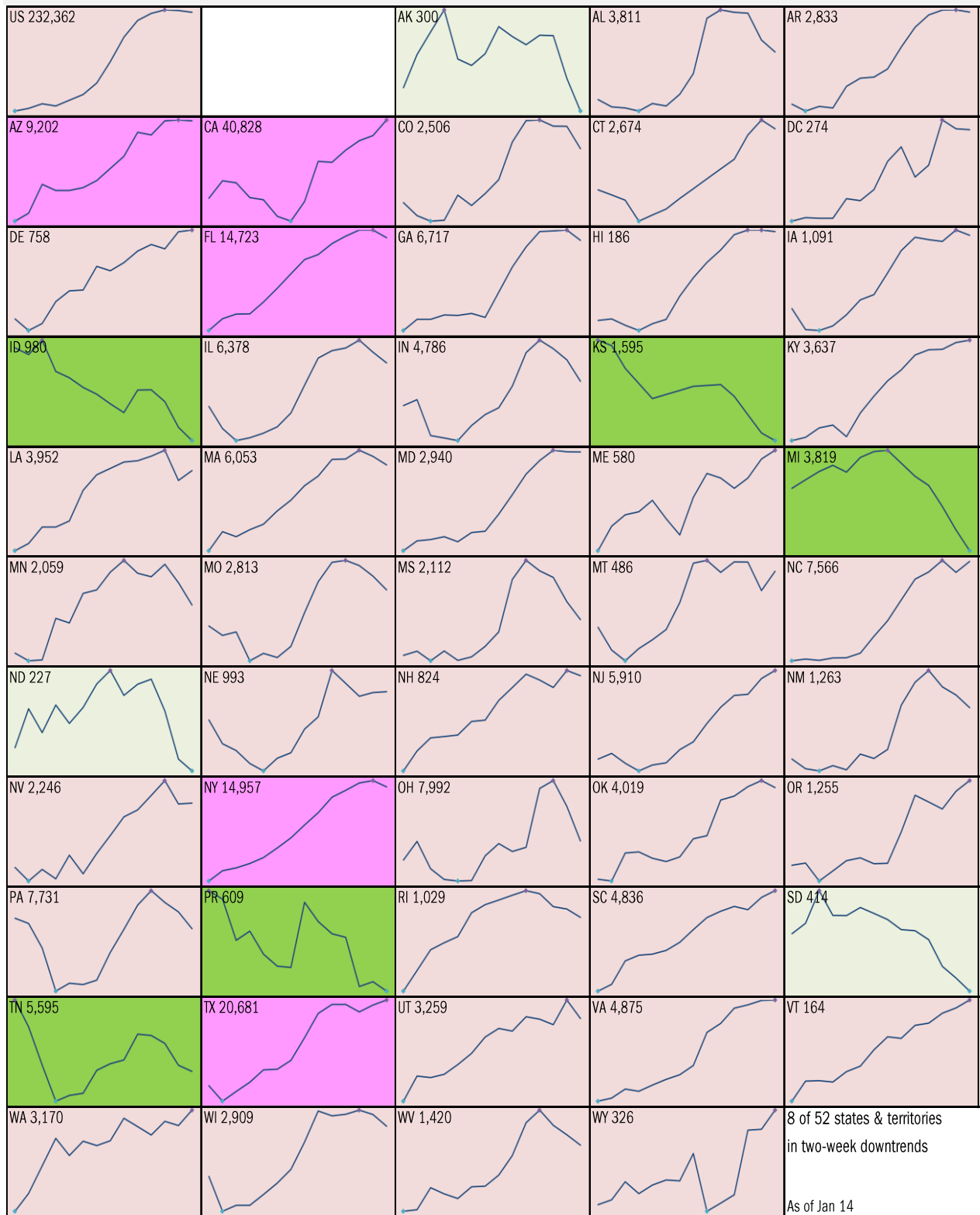
Vertical: days to double deaths Horizontal: days from first death

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

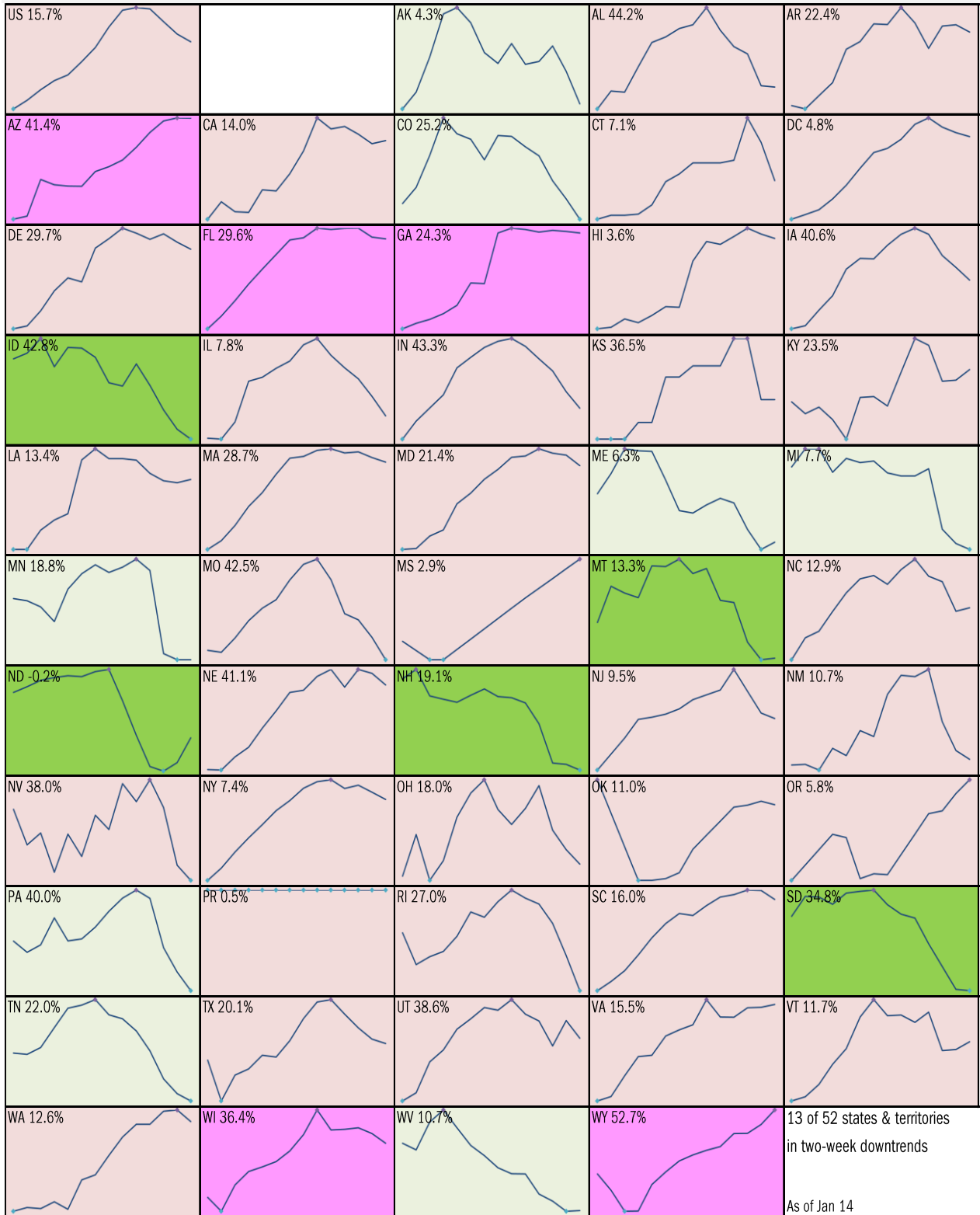


Source: [Covid Tracking Project](#), TrendMacro calculations

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



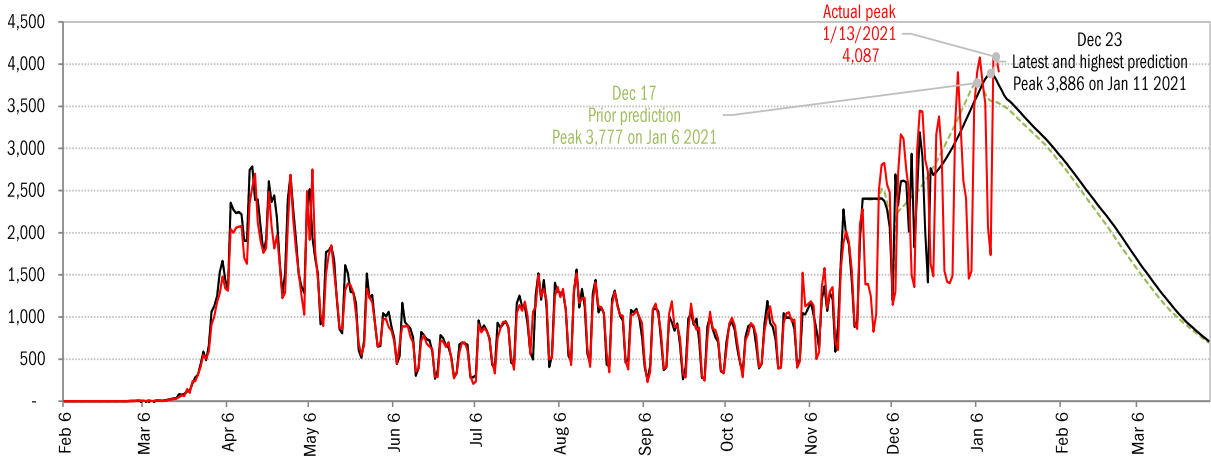
Source: [Covid Tracking Project](#), TrendMacro calculations

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

New daily fatalities

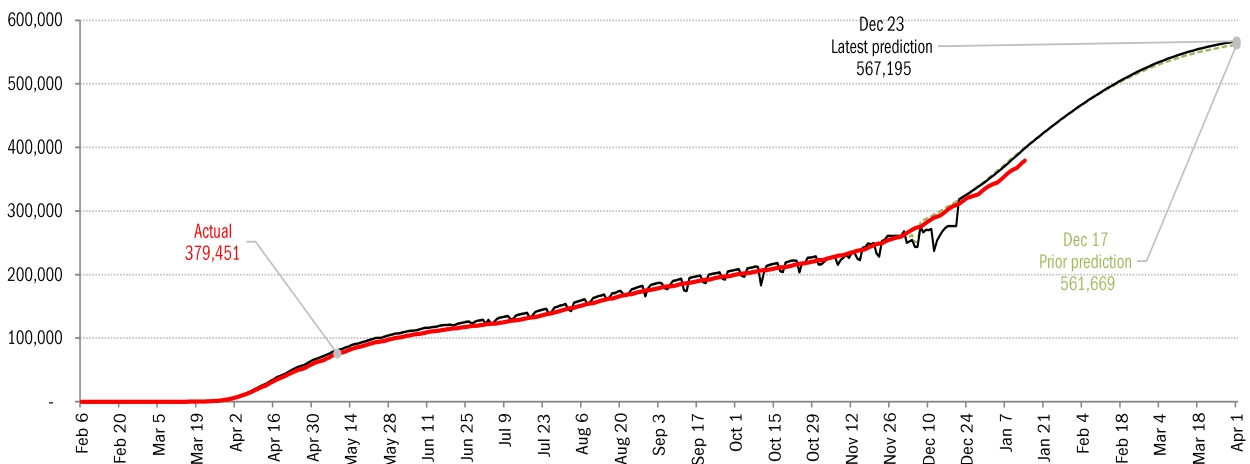
As of Jan 14

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

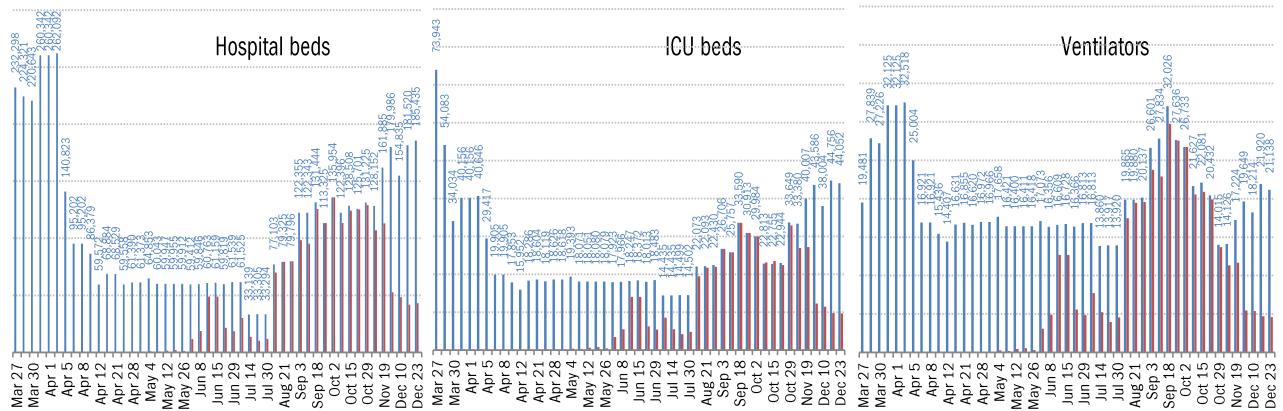


Cumulative fatalities

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

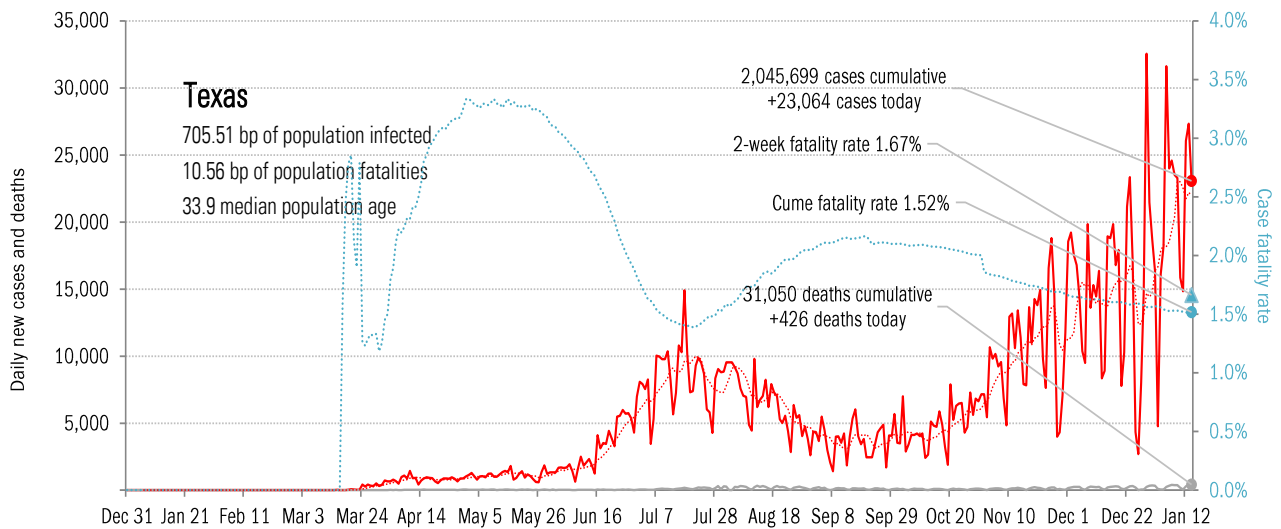
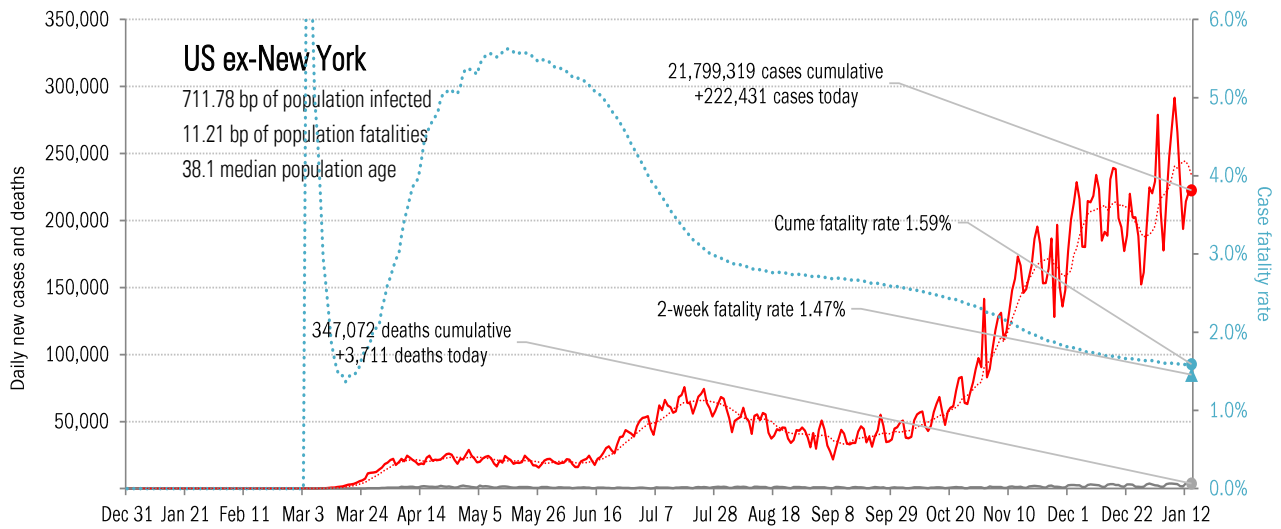
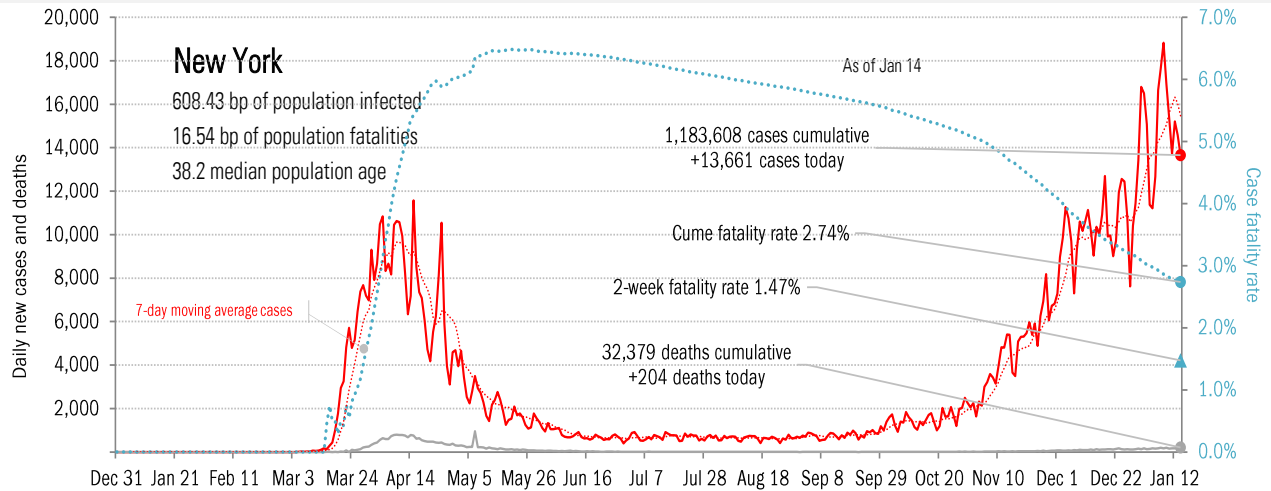


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



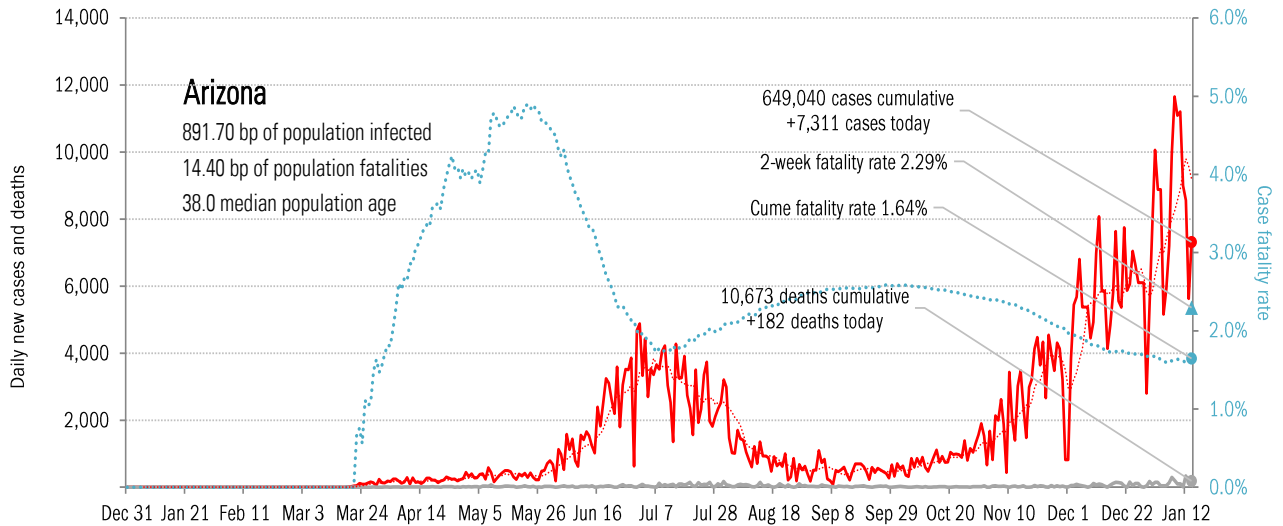
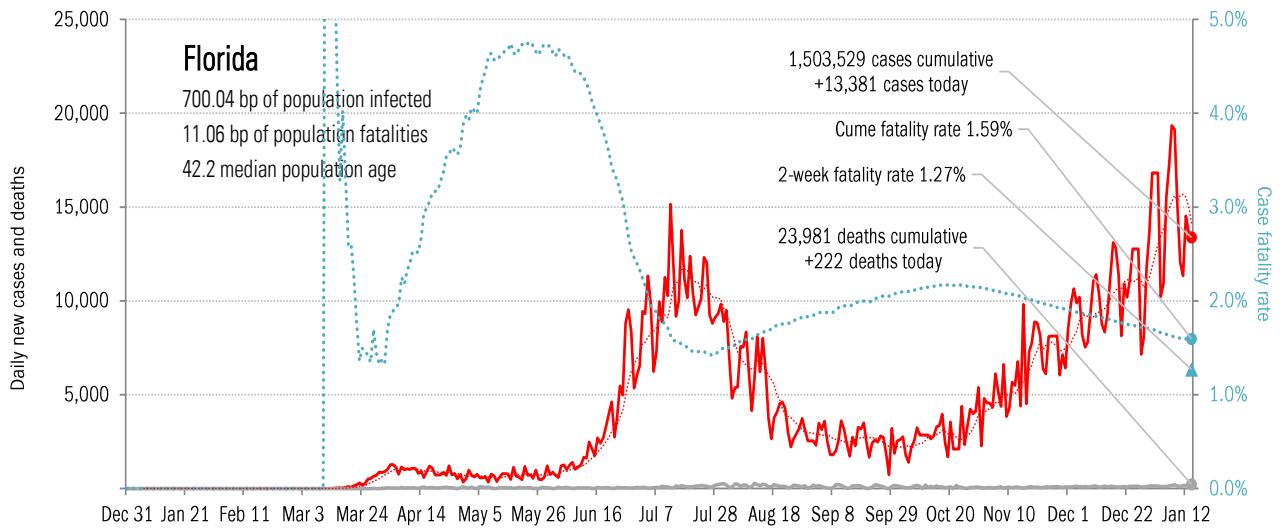
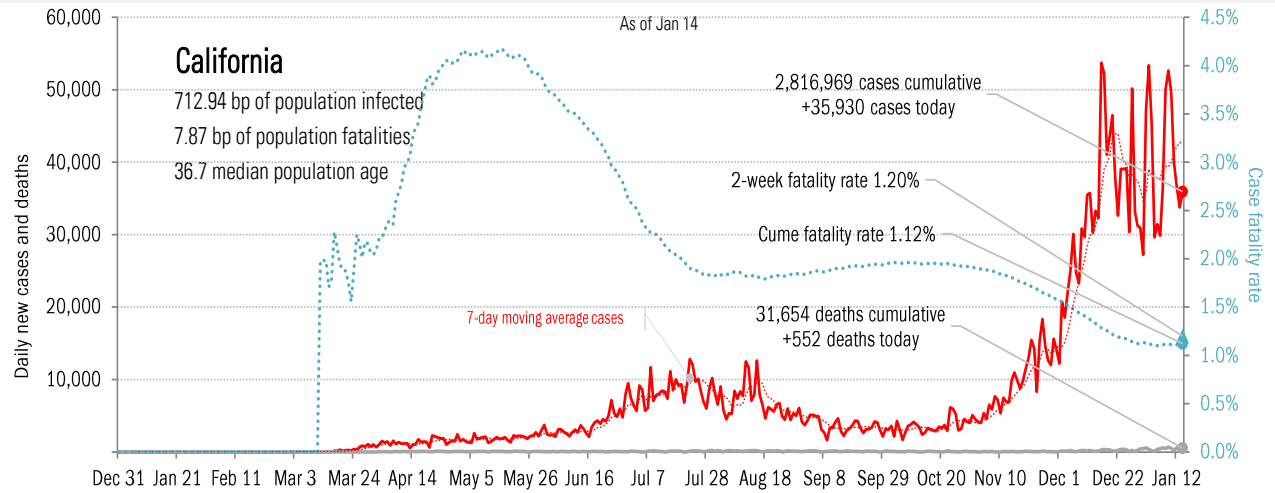
Source: [IHME](#), [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



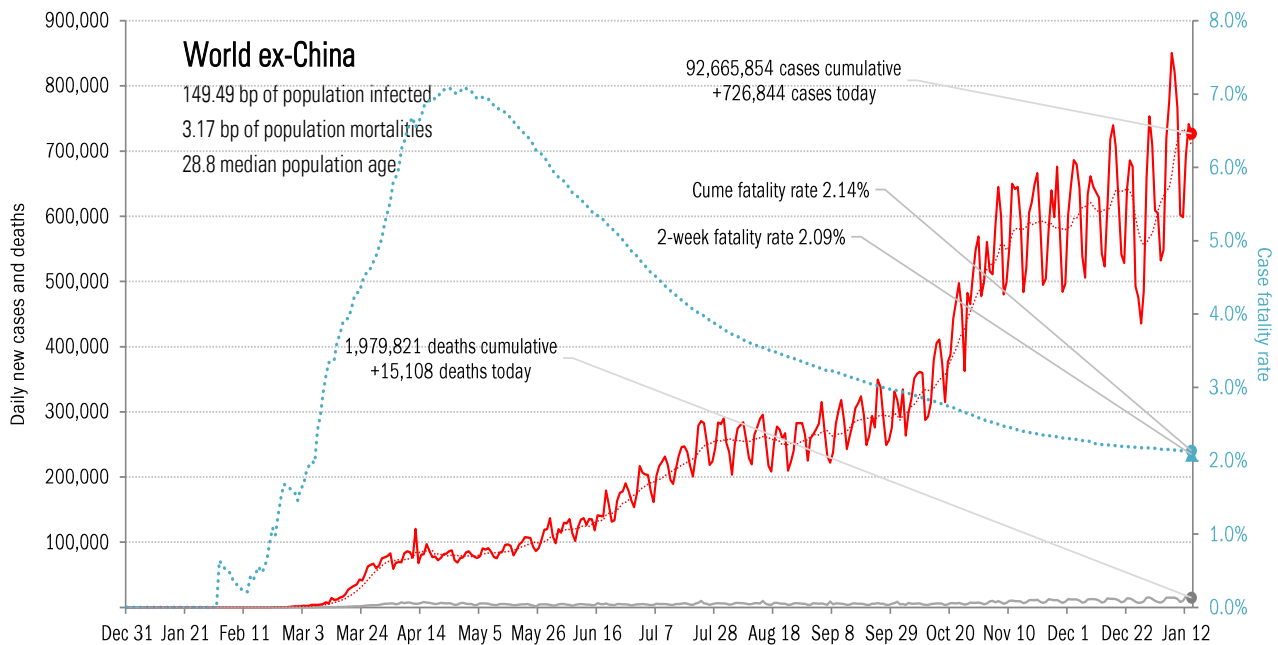
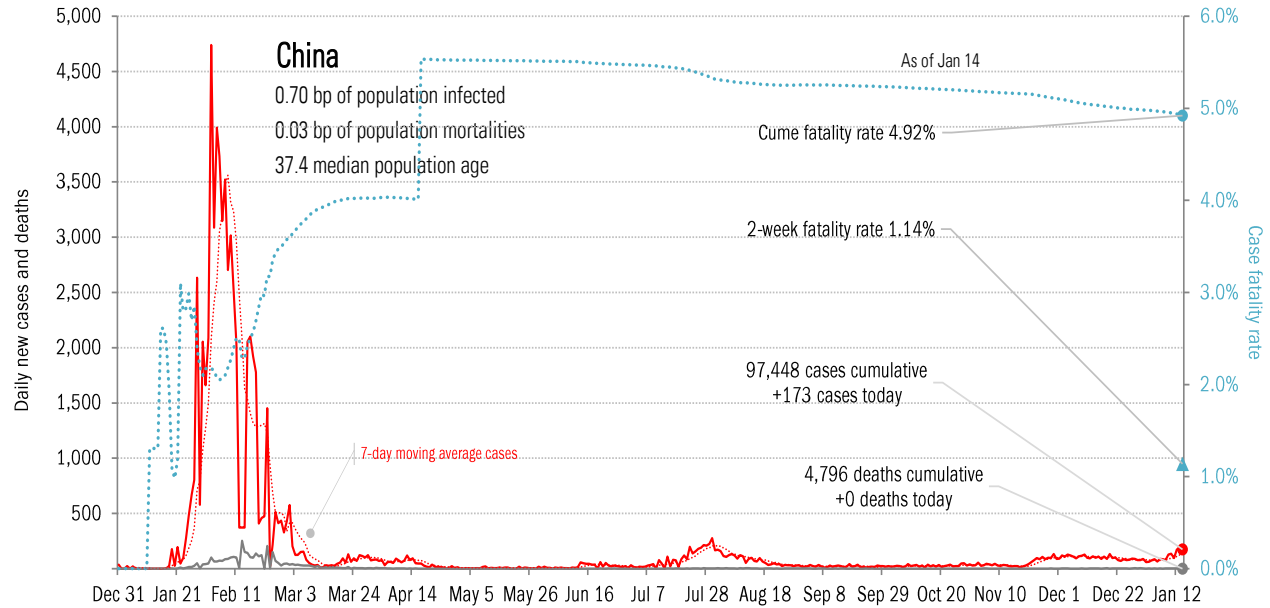
Source: [Covid Tracking Project](#), TrendMacro calculations

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



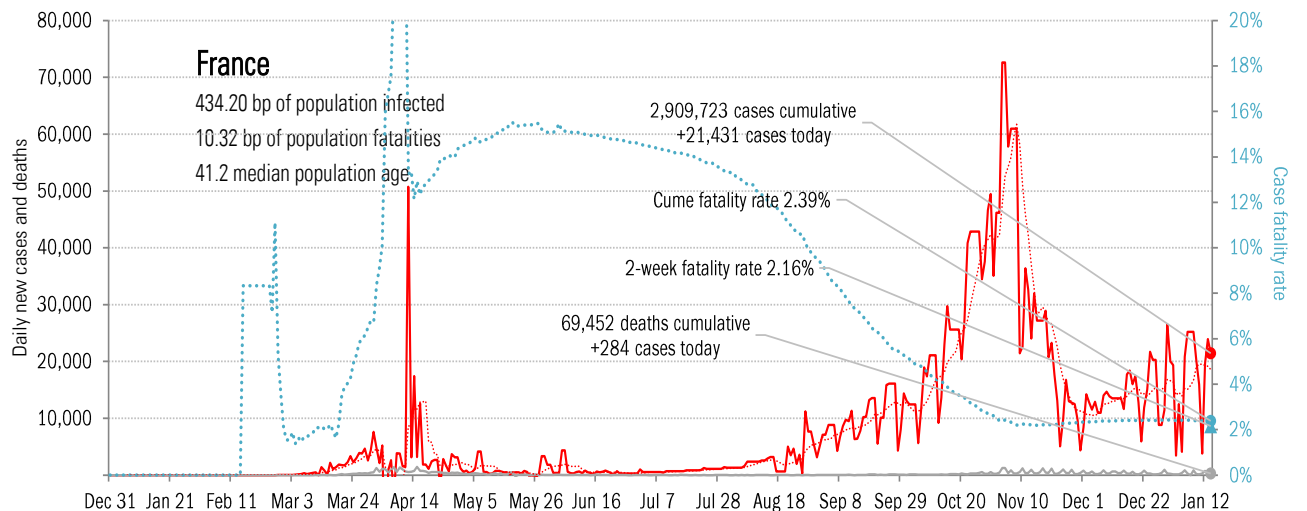
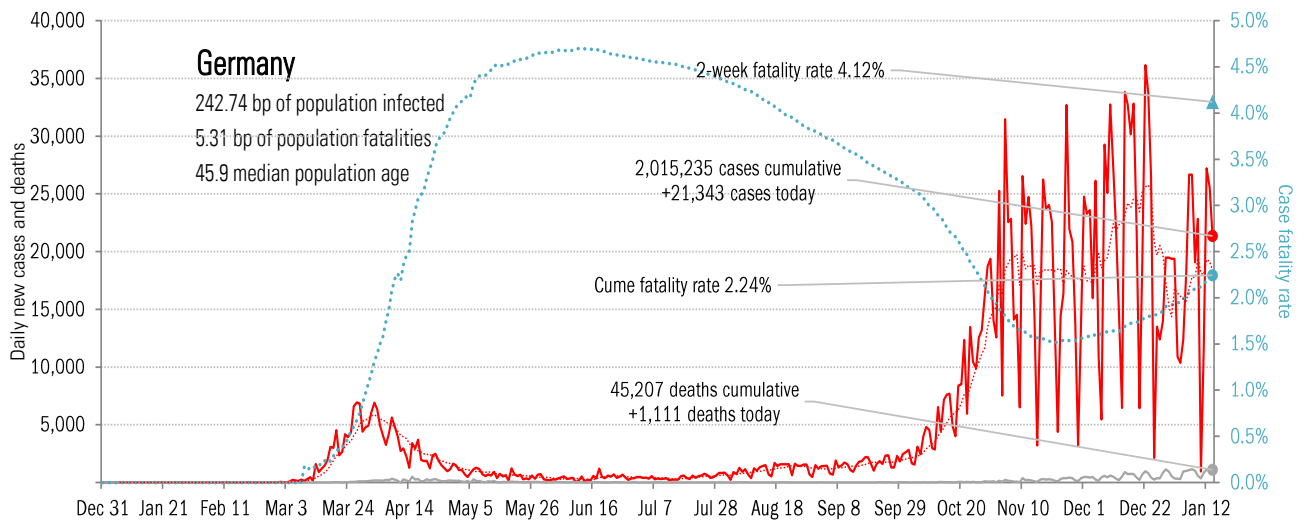
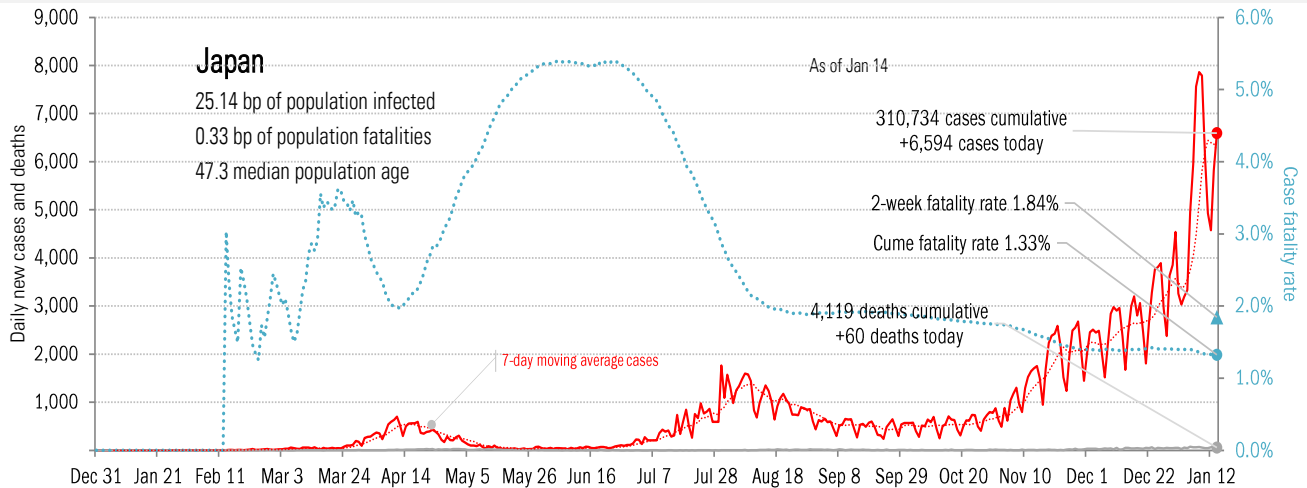
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



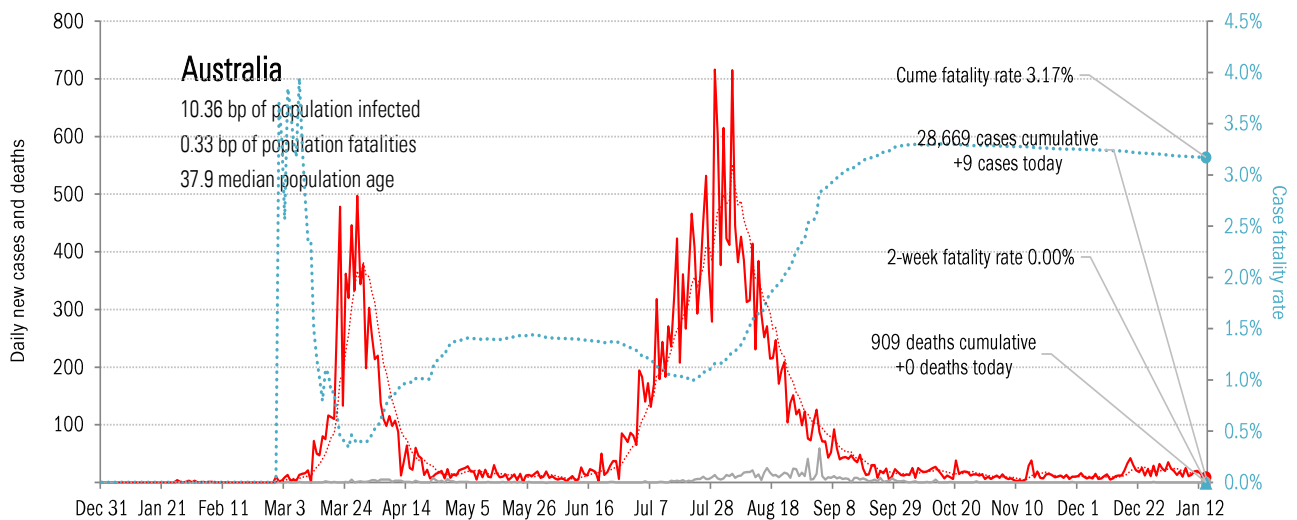
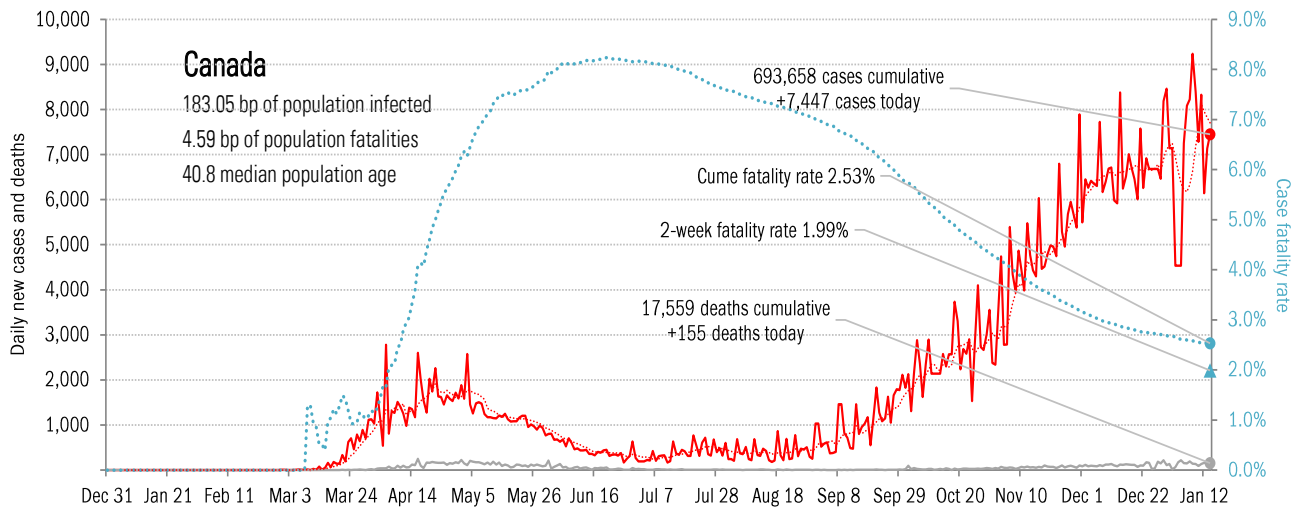
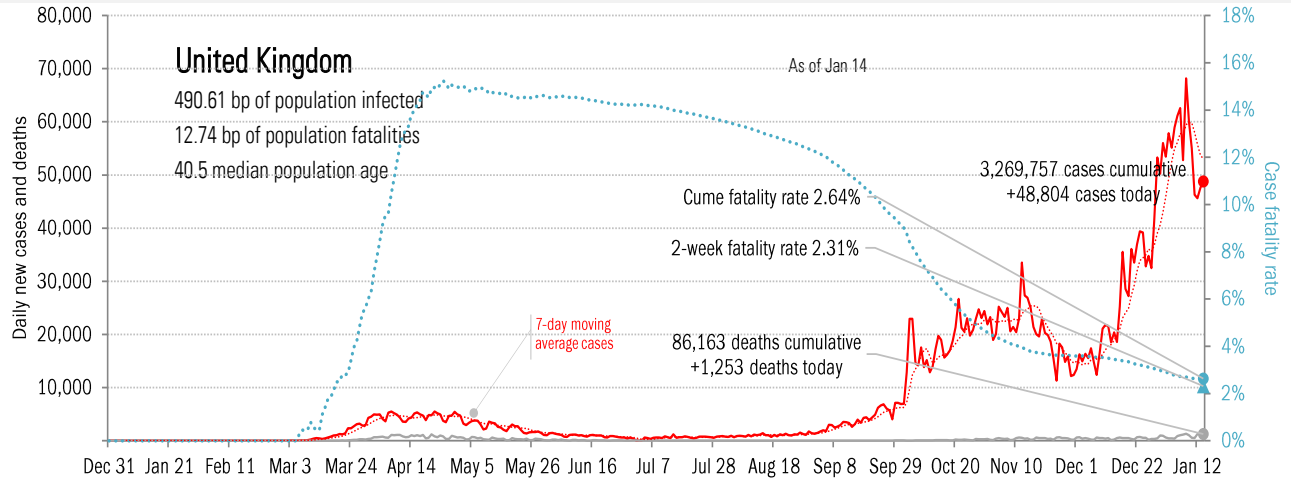
Source: [Johns Hopkins, Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



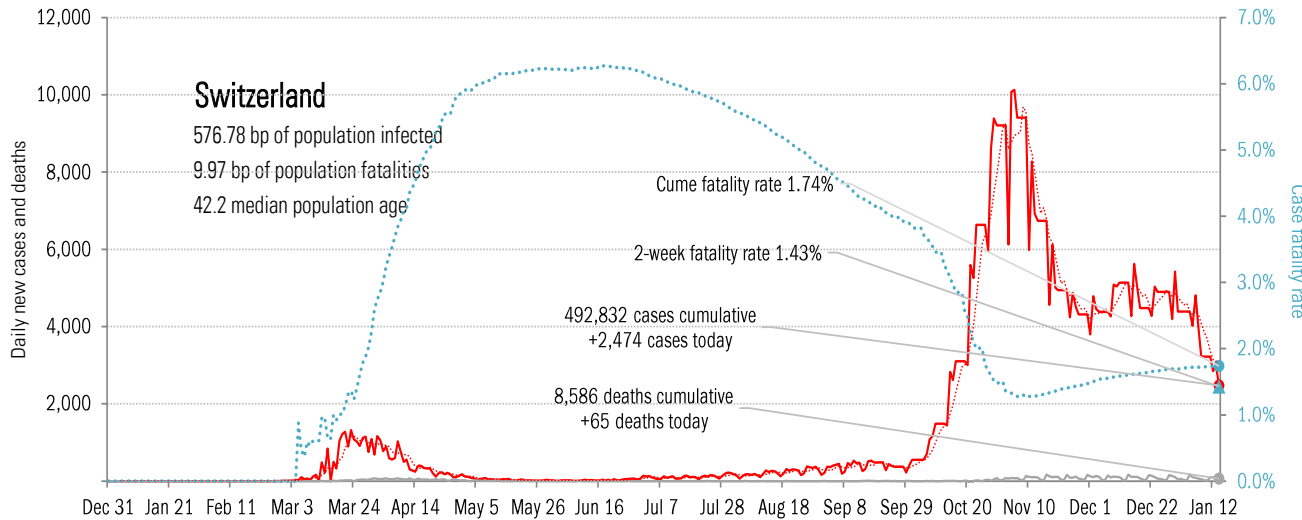
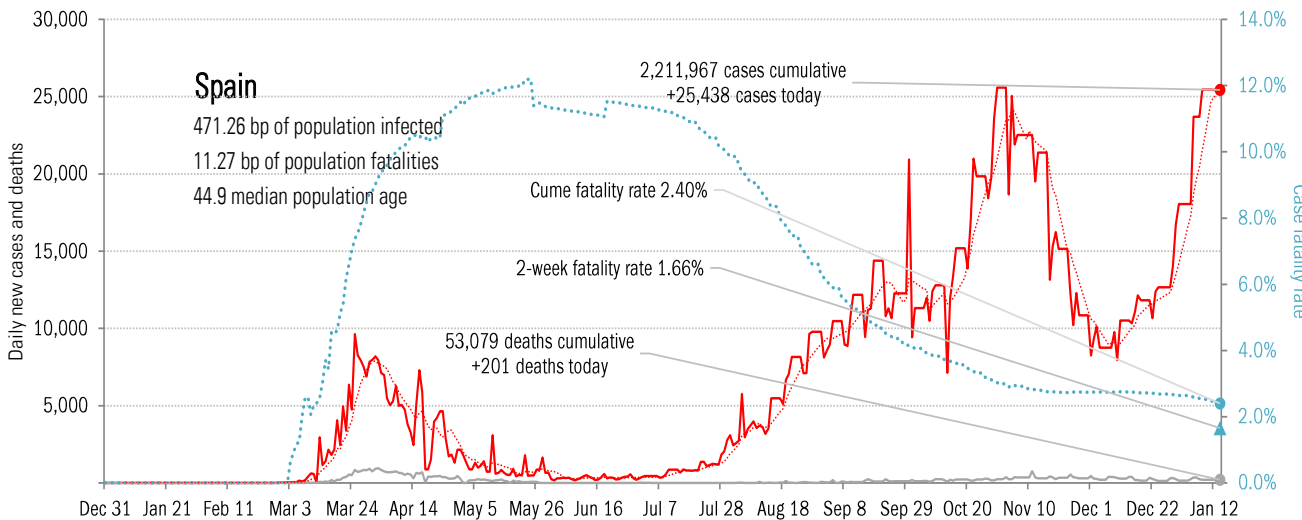
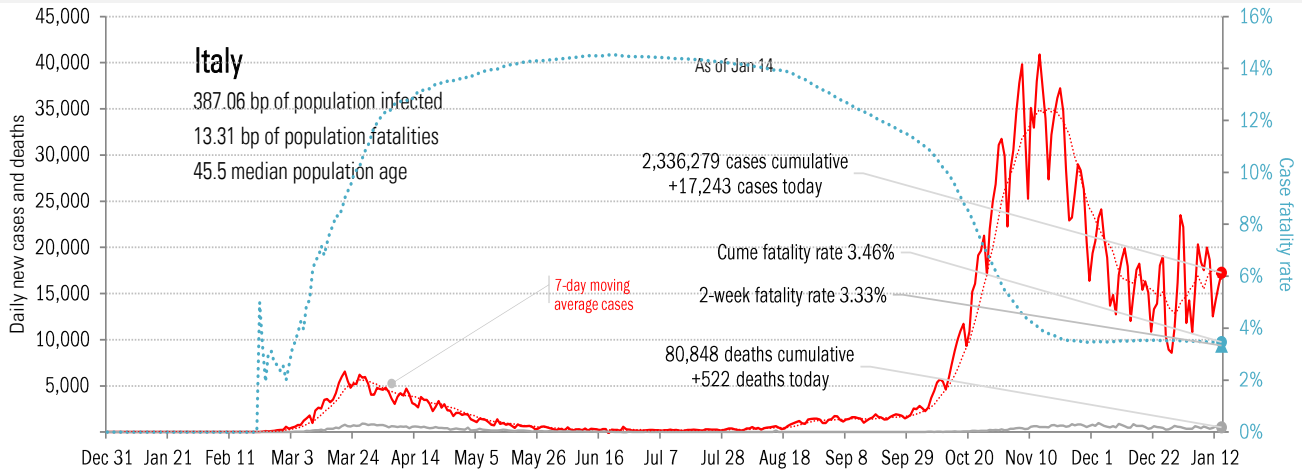
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



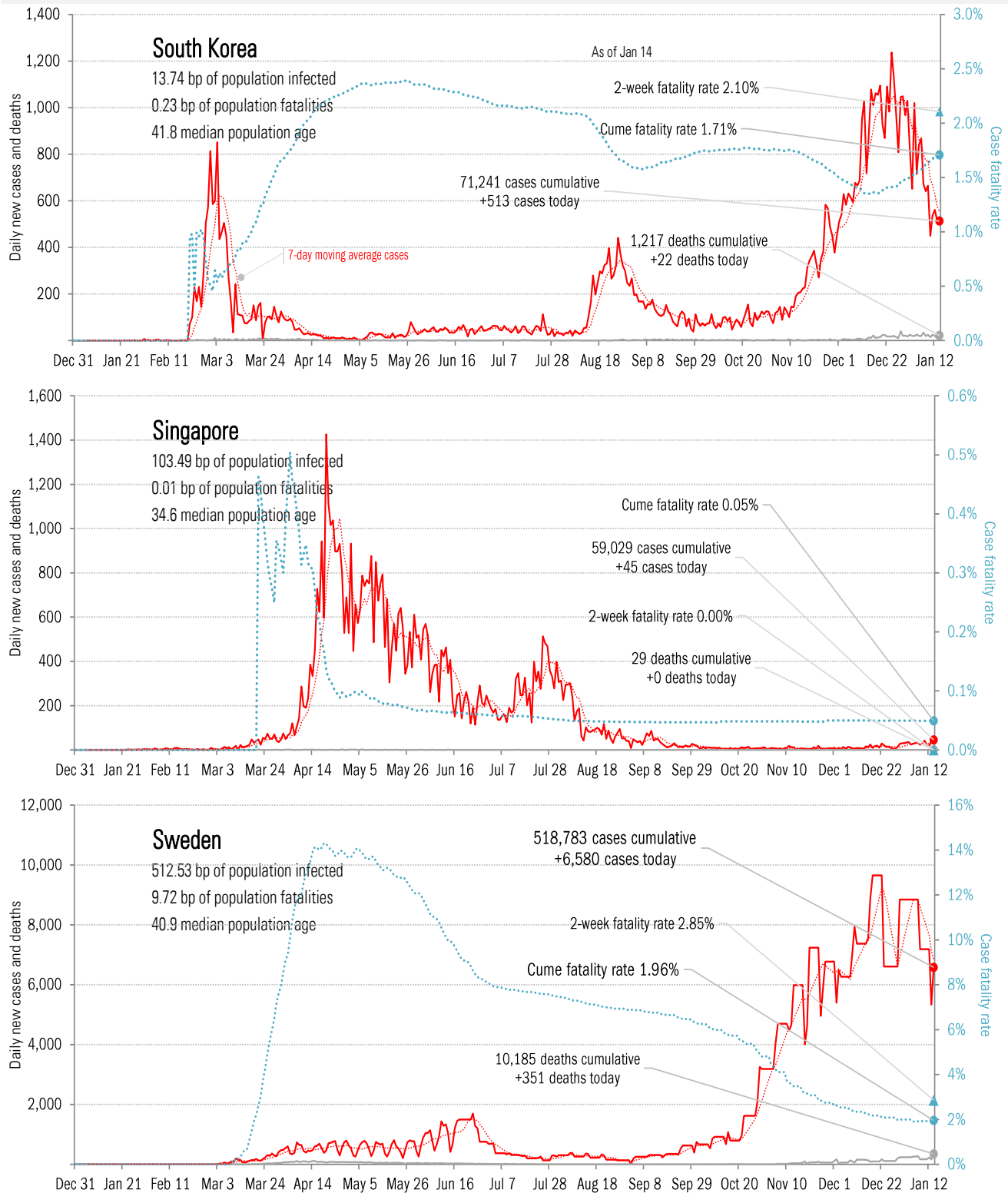
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



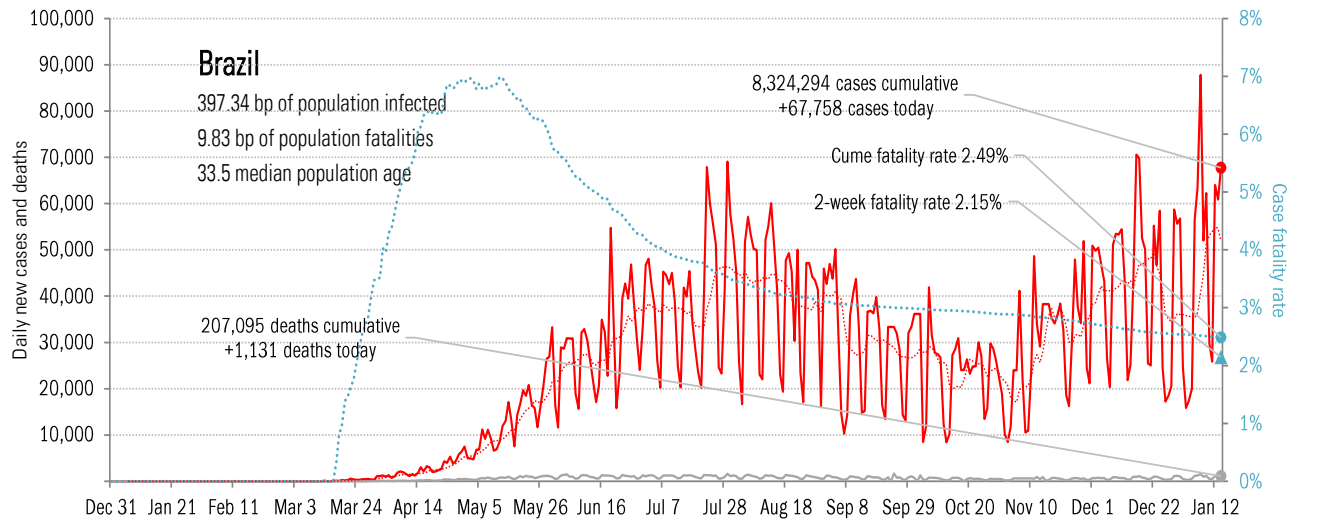
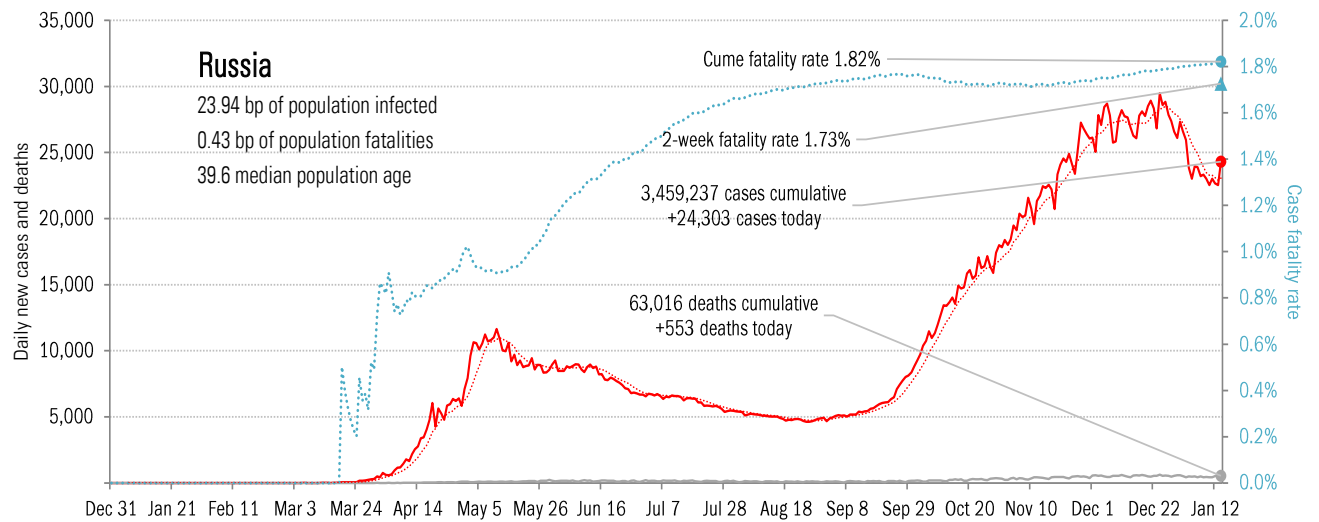
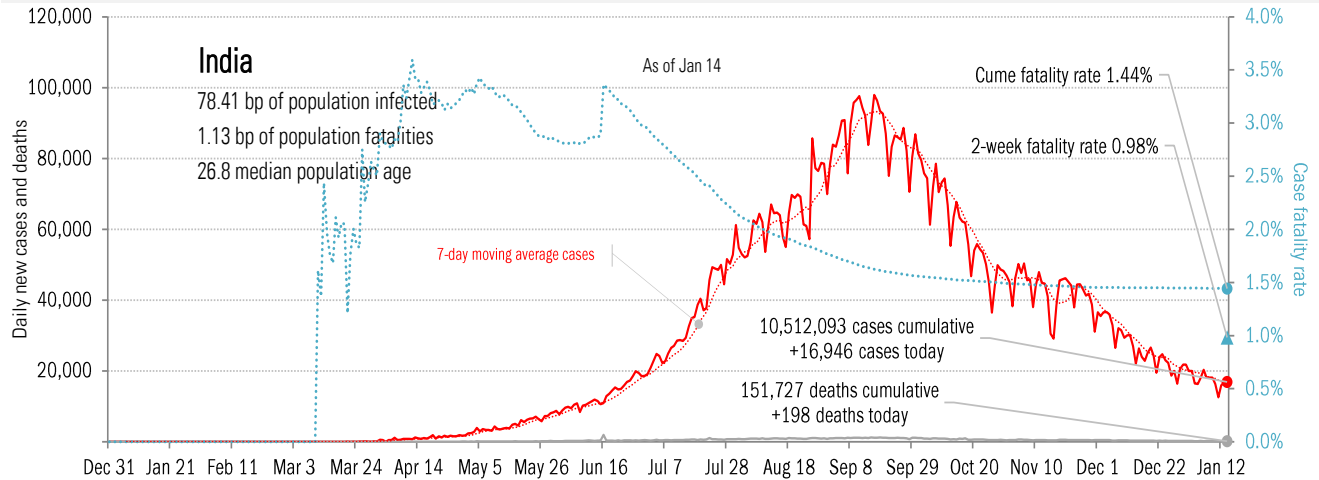
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



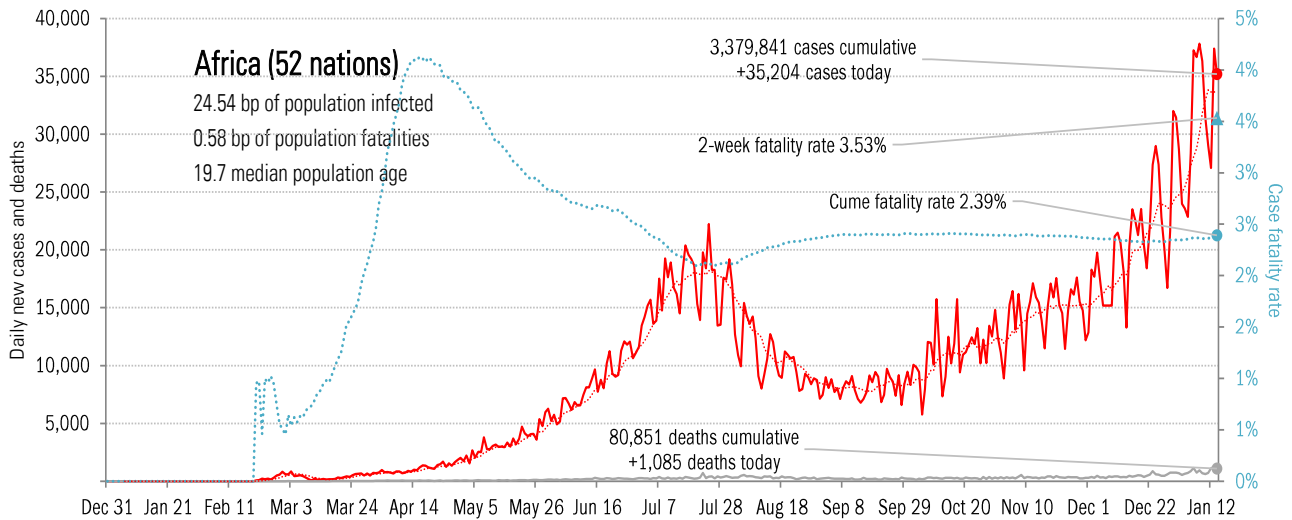
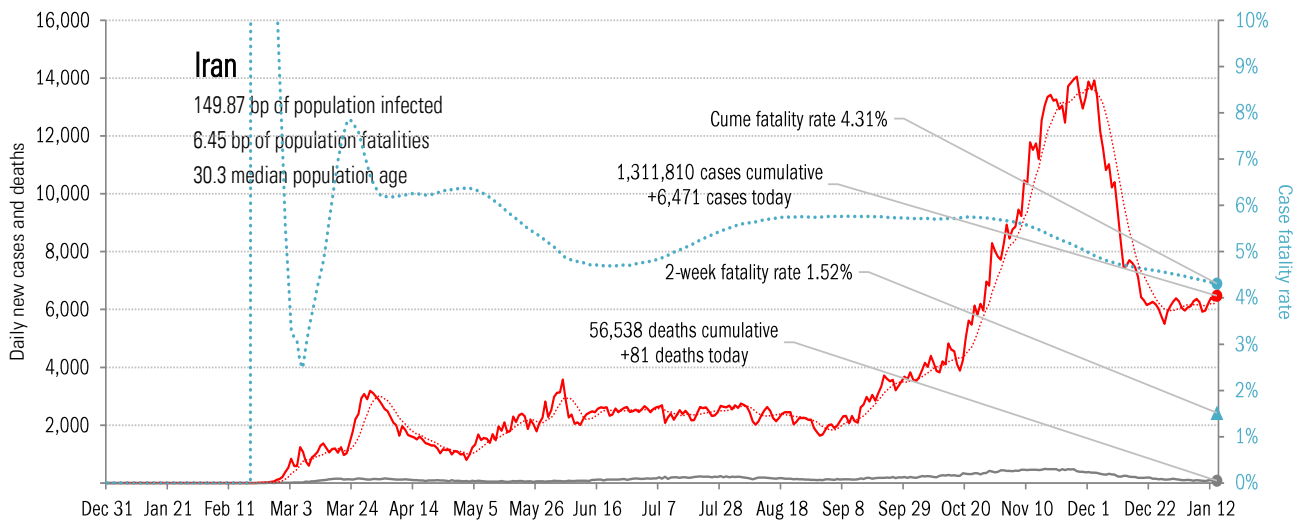
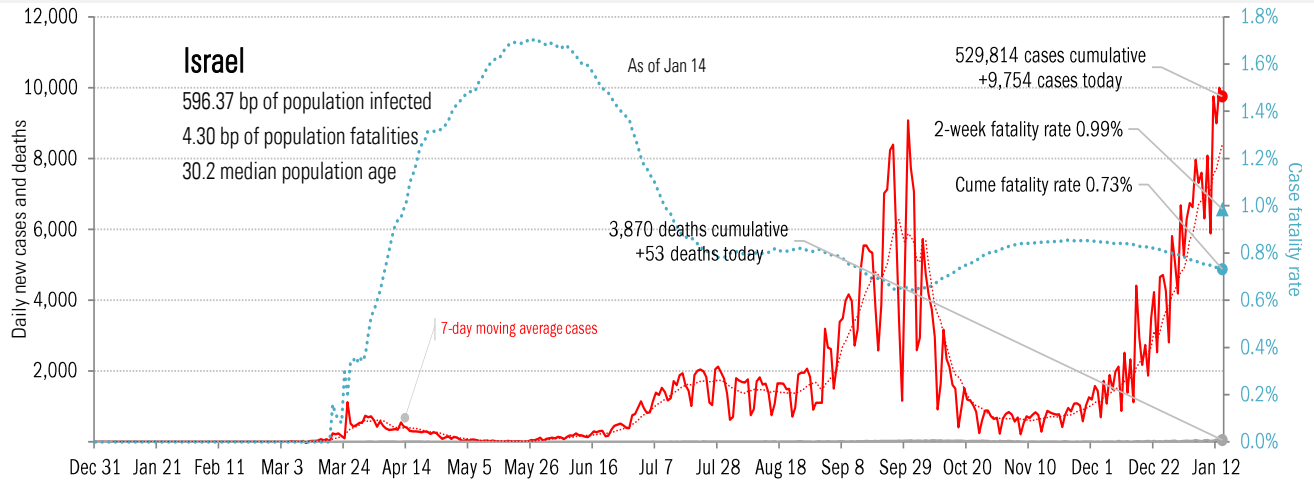
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



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

Impact in the Middle East and Africa



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