

Data Insights: Covid-2019 Monitor

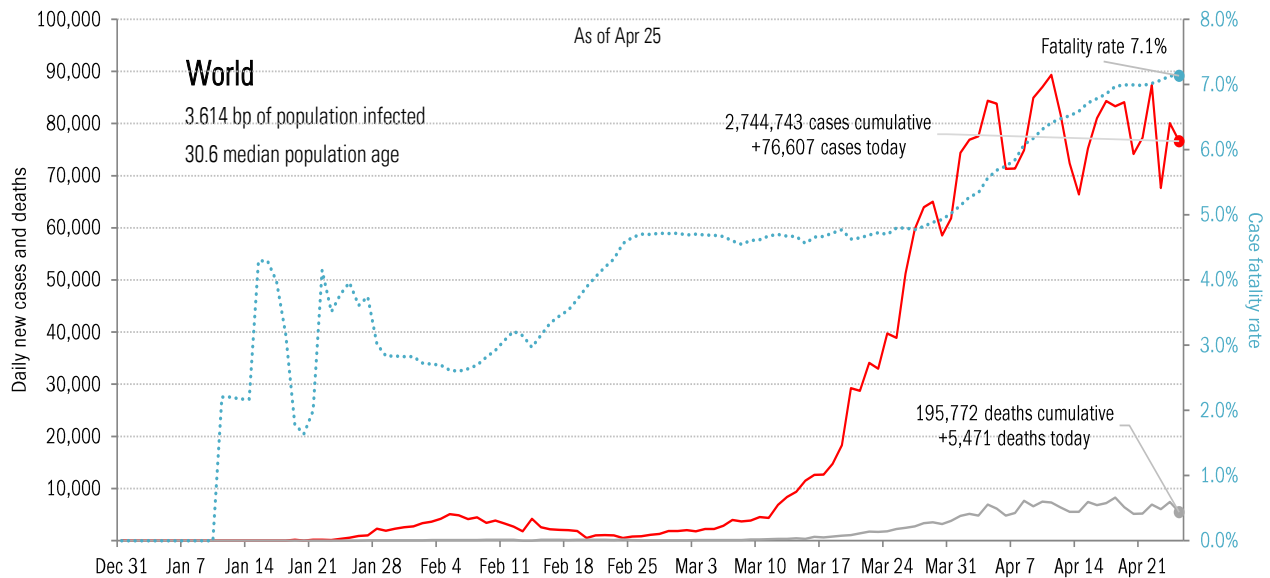
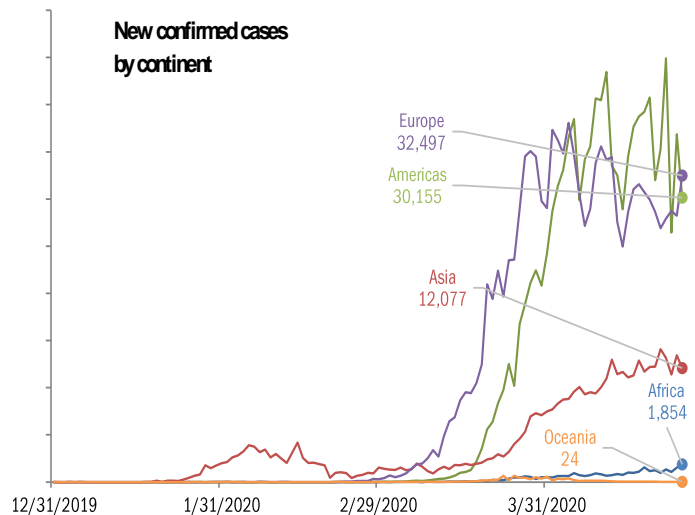
Saturday, April 25, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+21,352	US	+1,054
Spain	+6,740	UK	+768
Russia	+5,849	Italy	+420
UK	+5,386	France	+389
Brazil	+3,503	Spain	+367
Turkey	+3,122	Brazil	+357
Italy	+3,021	Chile	+326
Germany	+2,055	Belgium	+189
Canada	+1,778	Germany	+179
France	+1,773	Canada	+156
+54,579		+4,205	
World	+76,607	World	+5,471
Top ten	71%	Top ten	77%

New confirmed cases by continent



Source: [ECDC](#), 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

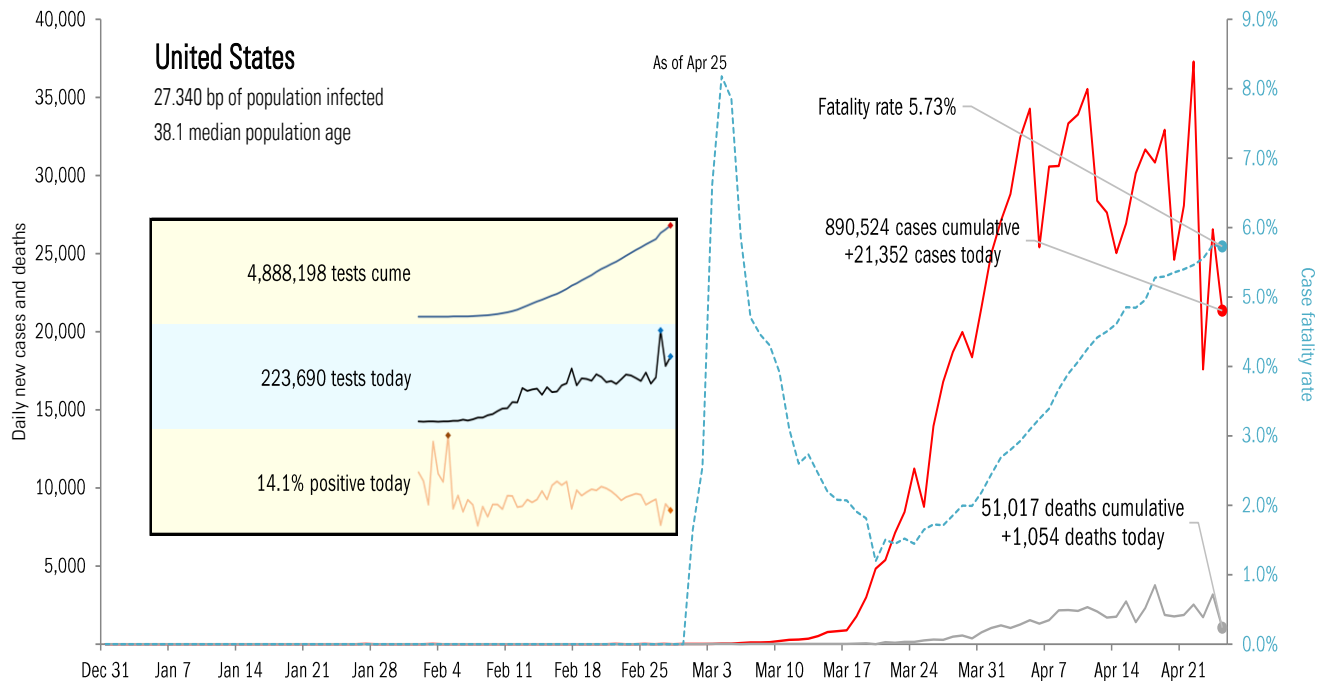
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
NY	+8,130	NY	+422	AZ	+984	NY	271,590	NY	16,162	NY	57,103
IL	+2,724	NJ	+249	FL	+195	NJ	102,196	NJ	5,617	FL	4,888
NJ	+2,207	CT	+125	GA	+152	MA	46,023	MI	3,085	MA	4,493
PA	+2,005	MI	+108	MD	+141	IL	39,658	MA	2,360	GA	4,221
CA	+1,885	IL	+107	CO	+114	CA	39,254	IL	1,795	MD	3,618
MI	+1,350	CA	+93	OH	+93	PA	38,652	CT	1,764	OH	3,053
FL	+1,342	PA	+71	VA	+84	MI	36,641	LA	1,601	CO	2,237
MD	+879	LA	+61	MN	+44	FL	30,174	CA	1,562	VA	1,837
TX	+862	FL	+52	NM	+36	LA	26,140	PA	1,492	WI	1,353
CT	+821	MD	+50	WI	+35	CT	23,921	FL	1,031	KY	1,115
+22,205		+1,338		+1,878		654,249		36,469		83,918	
All states	+31,498	All states	+1,772	All states	+1,999	All states	890,816	All states	45,786	All states	93,107
Top ten	70%	Top ten	76%	Top ten	94%	Top ten	73%	Top ten	80%	Top ten	90%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
MA	-3,079	MA	-178	MA	-4,493	LA	+14,927
NJ	-1,917	MD	-67	AL	-38	TX	+1,131
AL	-259	MI	-56	FL	-29	UT	+202
SC	-156	NJ	-56	KY	-19	TN	+177
GA	-137	CA	-22	OK	-19	SD	+126



Source: States and test data [Covid Tracking Project](#), US data [ECDC](#), TrendMacro calculations

Recommended reading

[Effect of changing case definitions for COVID-19 on the epidemic curve and transmission parameters in mainland China: a modelling study](#)

Tim K. Tsang et al.
The Lancet
April 21, 2020

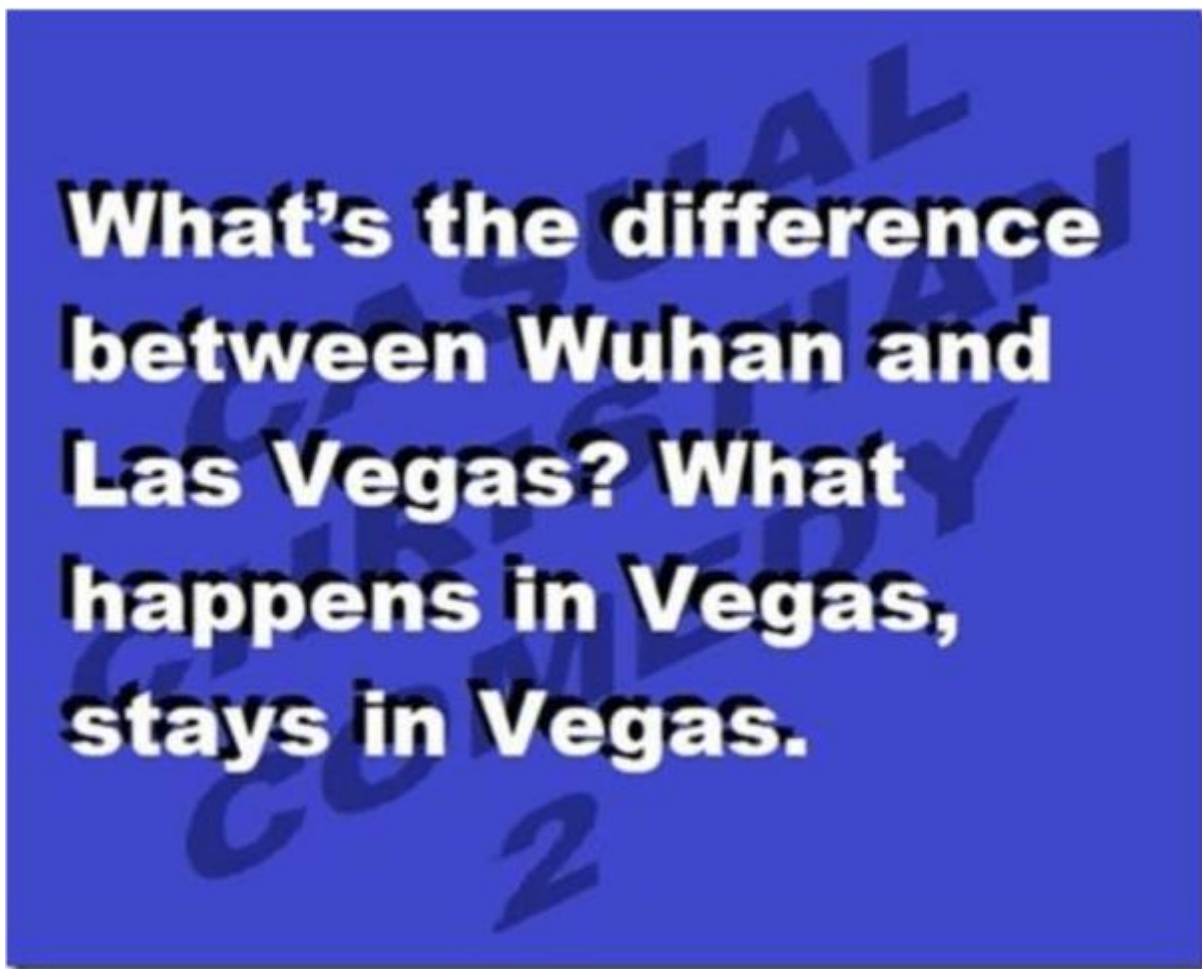
[Coronavirus study points to vast number of cases under the radar in China](#)

Josephine Ma
South China Morning Post
April 23, 2020

[Lockdowns Don't Work](#)

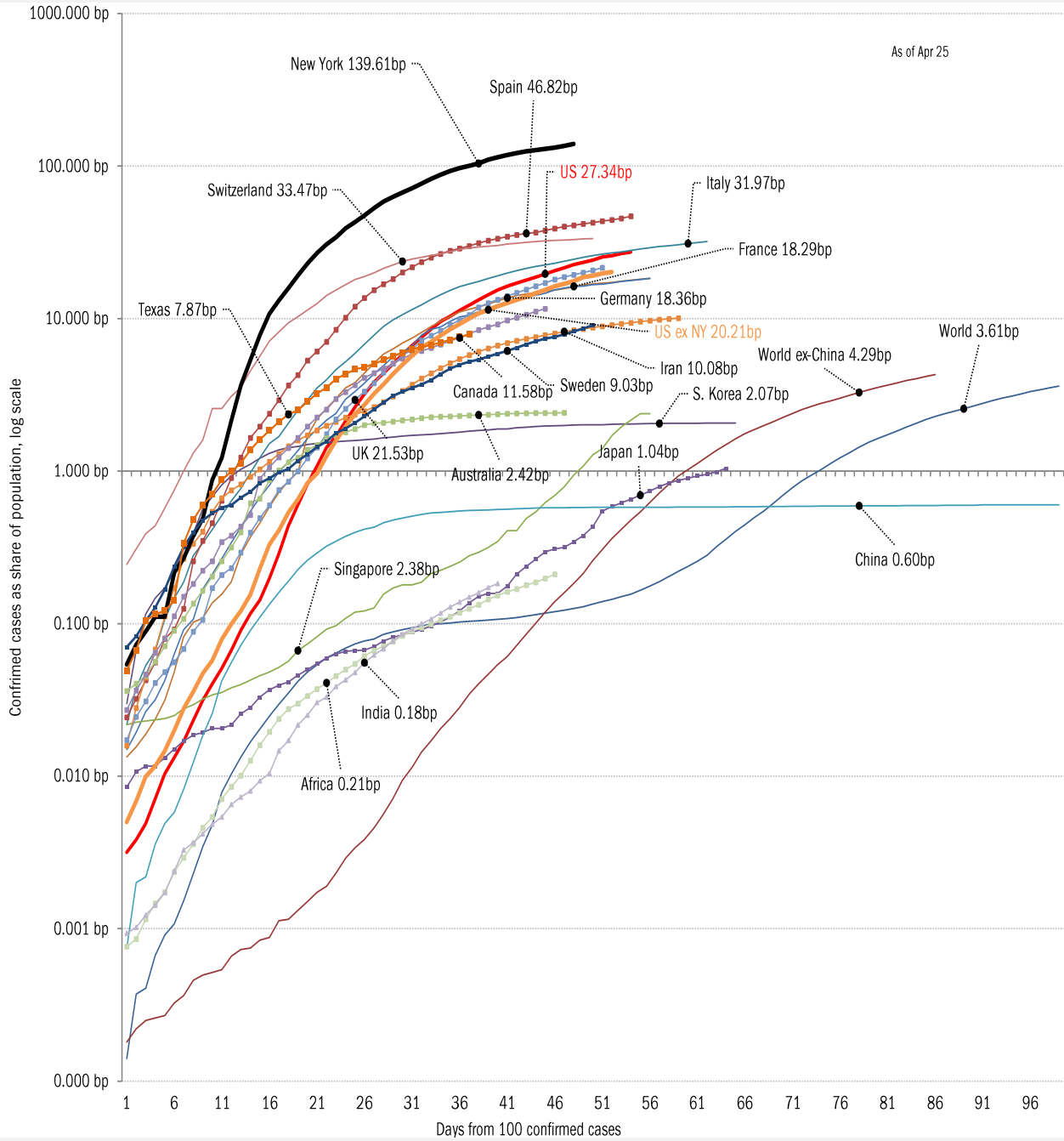
Lyman Stone
The Public Discourse
April 21, 2020

Meme of the day



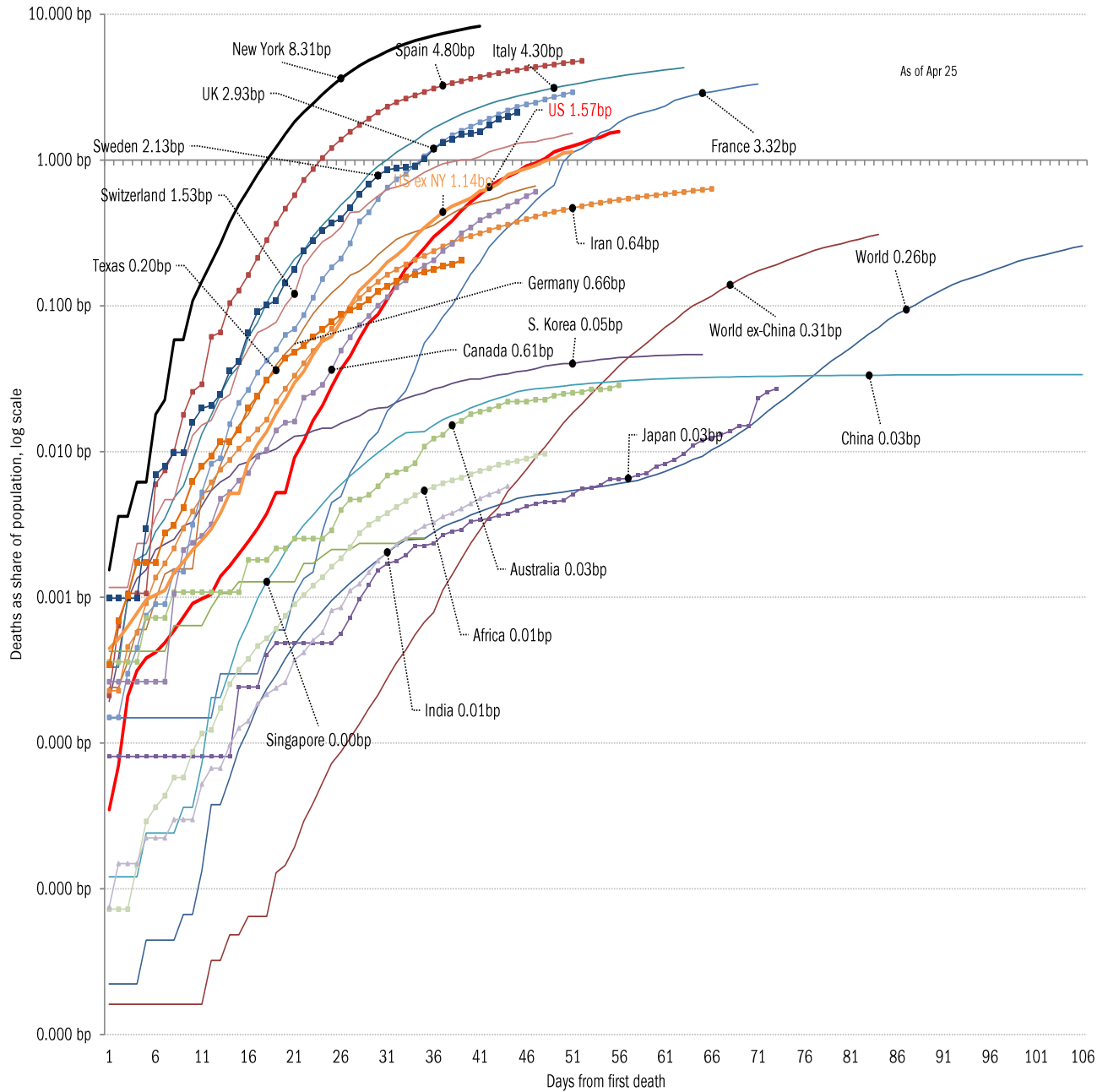
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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



Source: [ECDC](#), TrendMacro calculations

The coronavirus mortality accelerometer ... tracking the world's fatality curves
Share of deceased population from day of first fatality



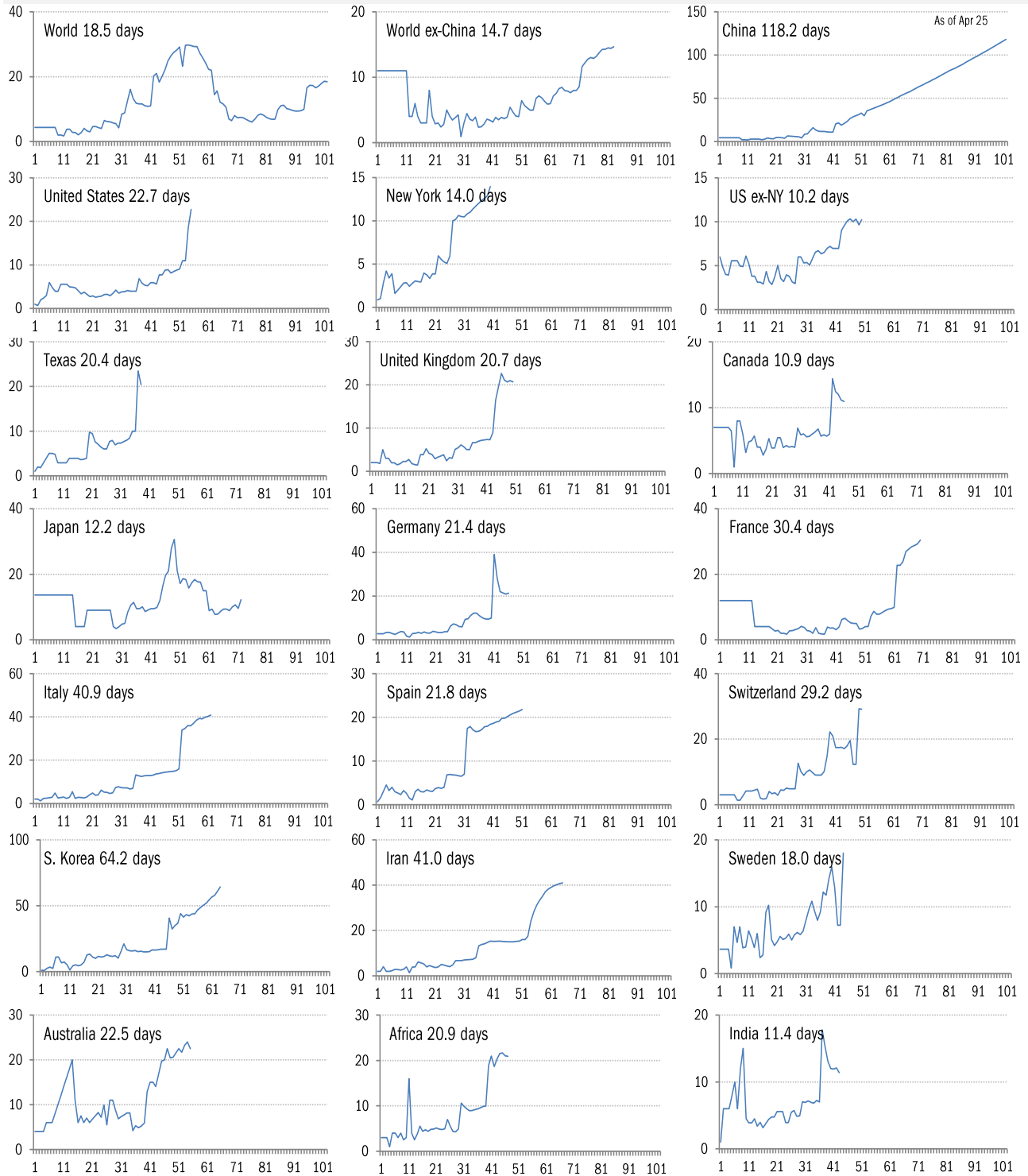
Source: [ECDC](#), TrendMacro calculations

Our most reliable evidence of slowing the Moore's law of Covid-19

Vertical: number of days it takes to double deaths Horizontal: days from first death

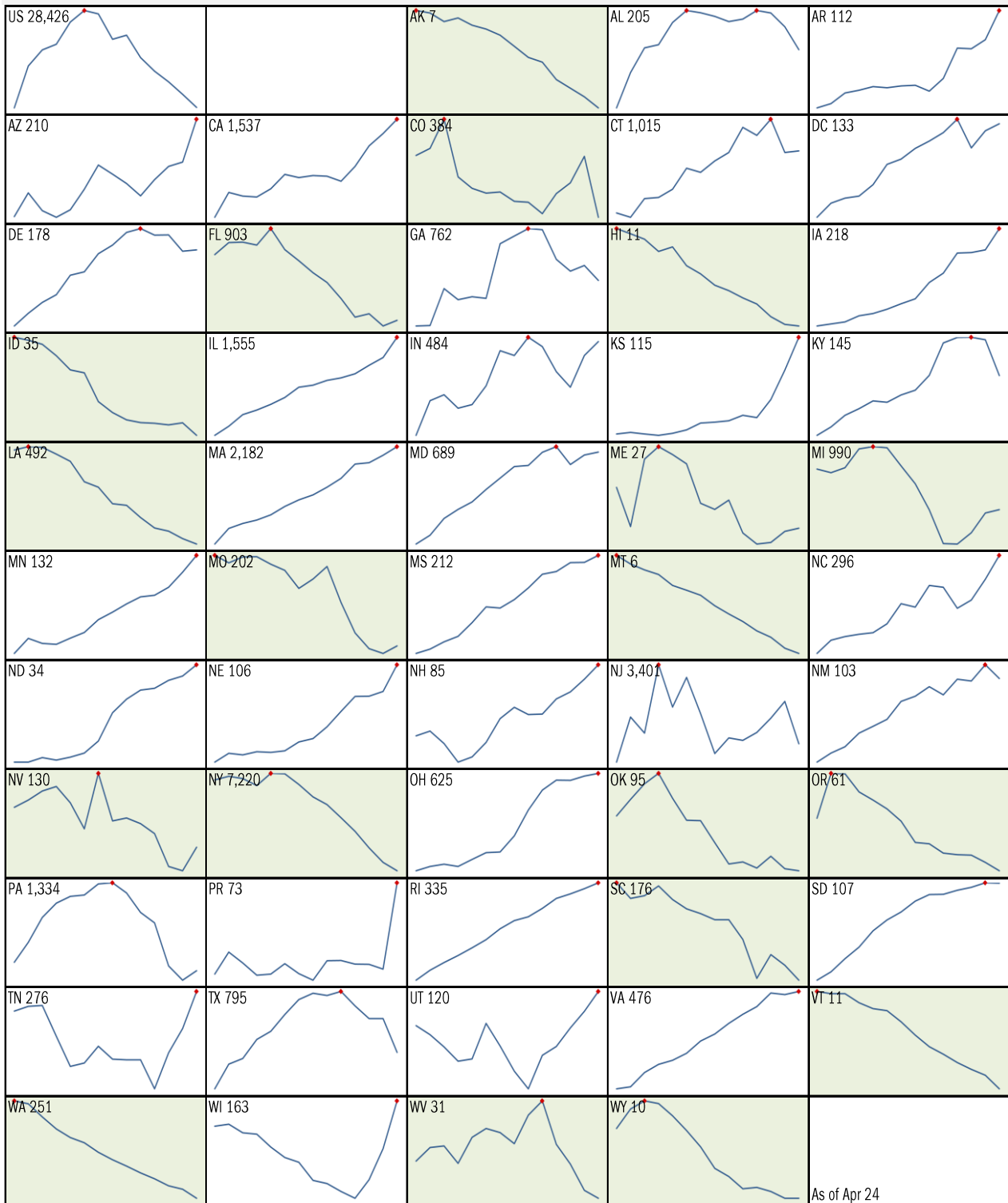
Progress means seeing the line move up and to the right. . .

Extrapolated between actual doubling points. The most anomalous extrapolations are smoothed.



Source: [ECDC](#), TrendMacro calculations

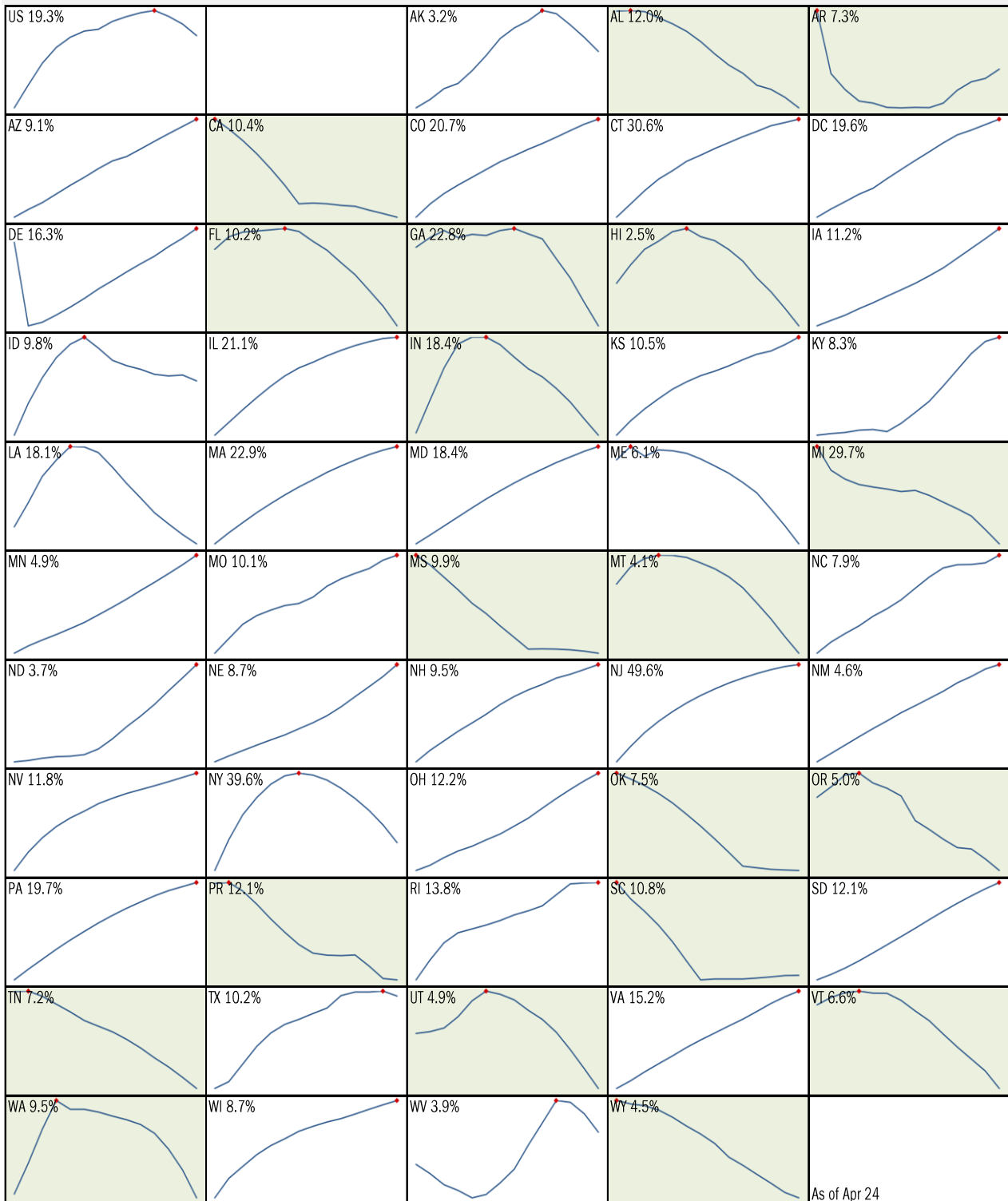
Requirement to [Open Up America Again](#): ■ 14-day "downward trajectory" in new cases
 14-day moving average, last 14 days *Most recent value displayed*



As of Apr 24

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



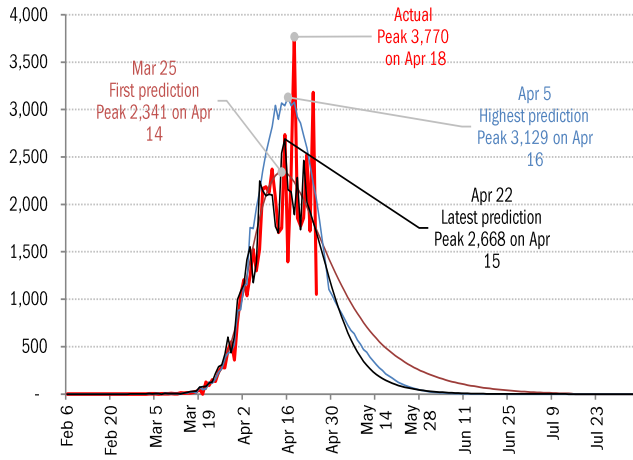
Source: [Covid Tracking Project](#), TrendMacro calculations

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

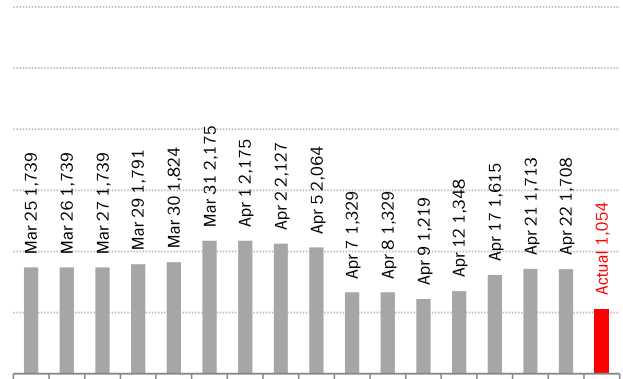
New daily fatalities

As of Apr 25

Actual versus first, highest and latest model mean predictions

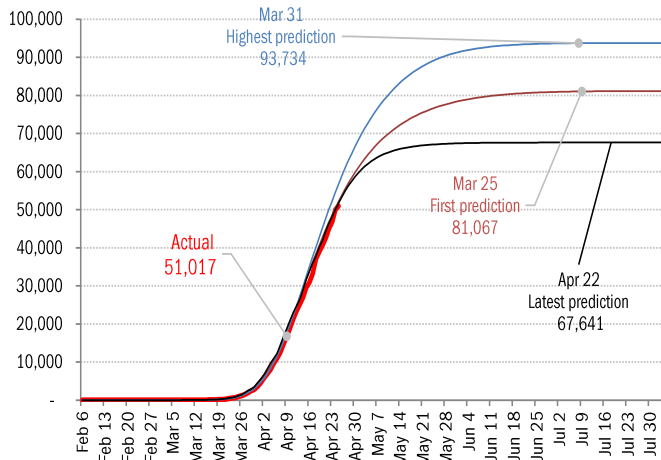


For this day, versus all model mean predictions

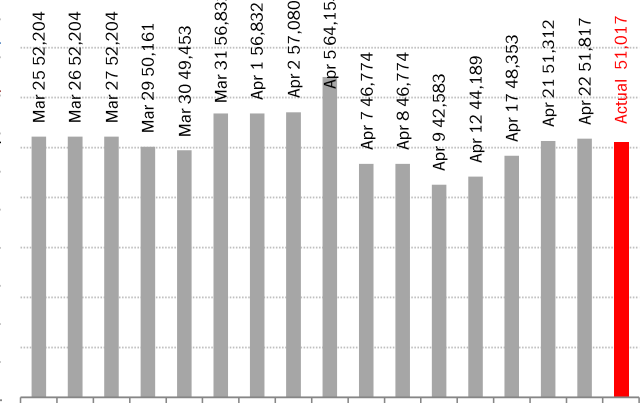


Cumulative fatalities

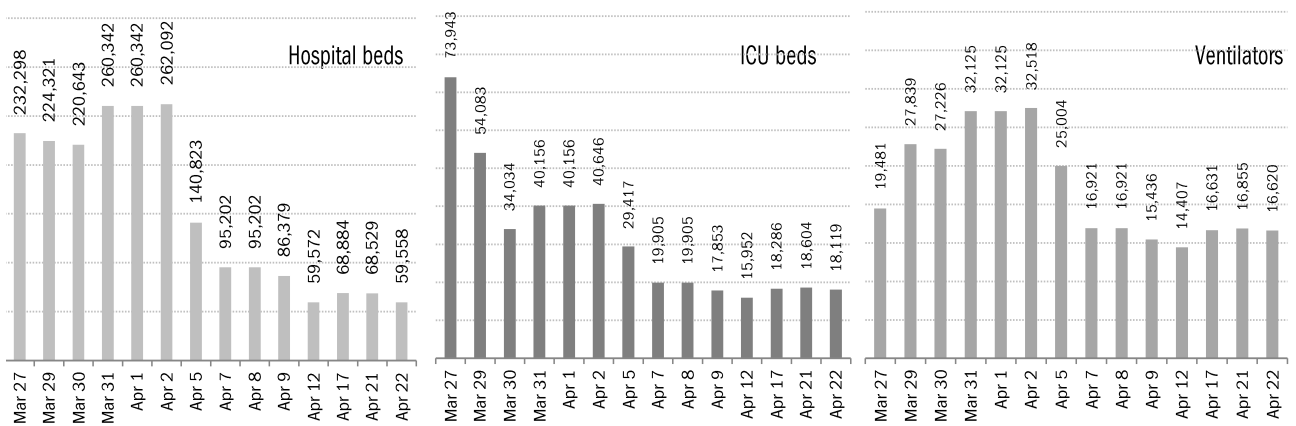
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

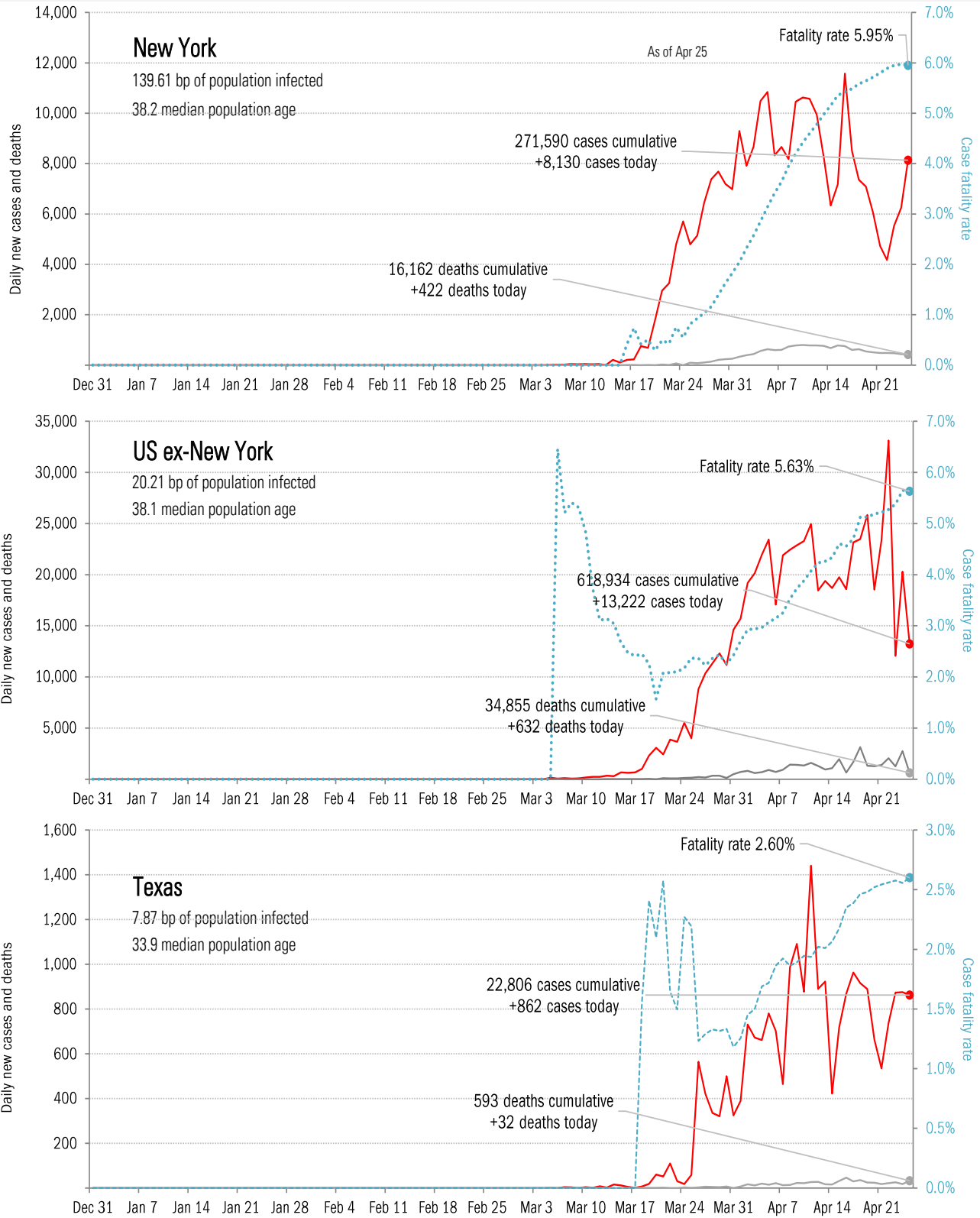


Healthcare system stress, peak estimated at each model revision



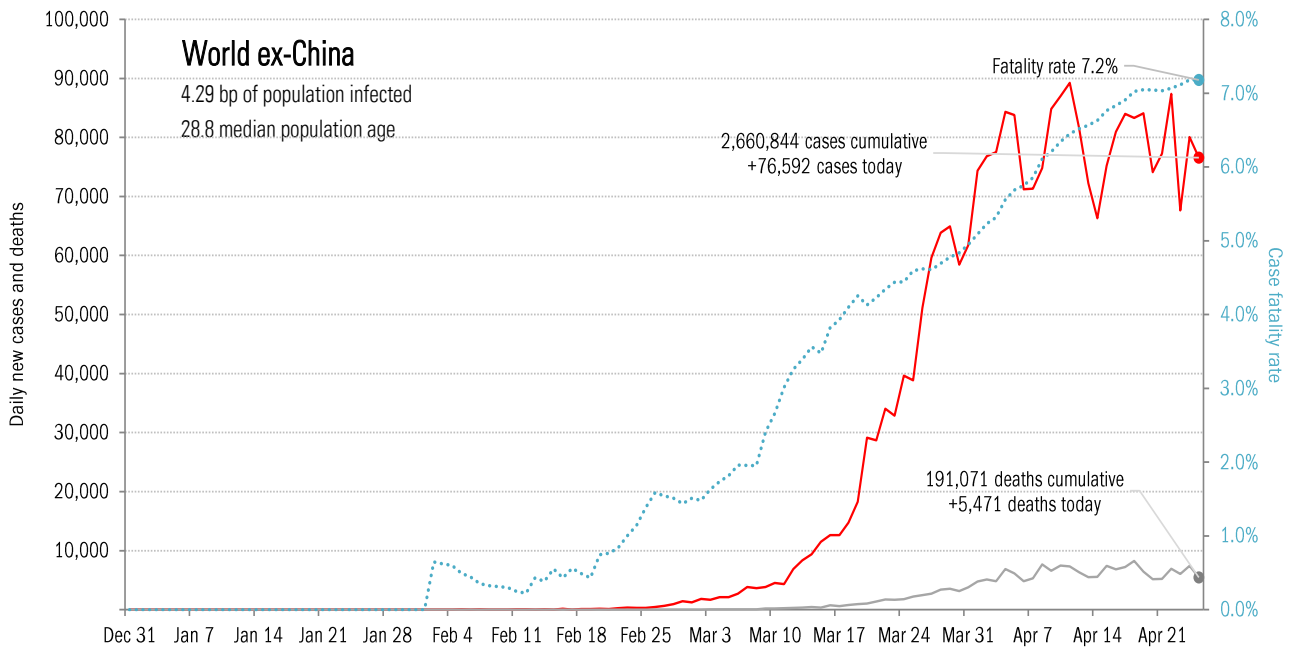
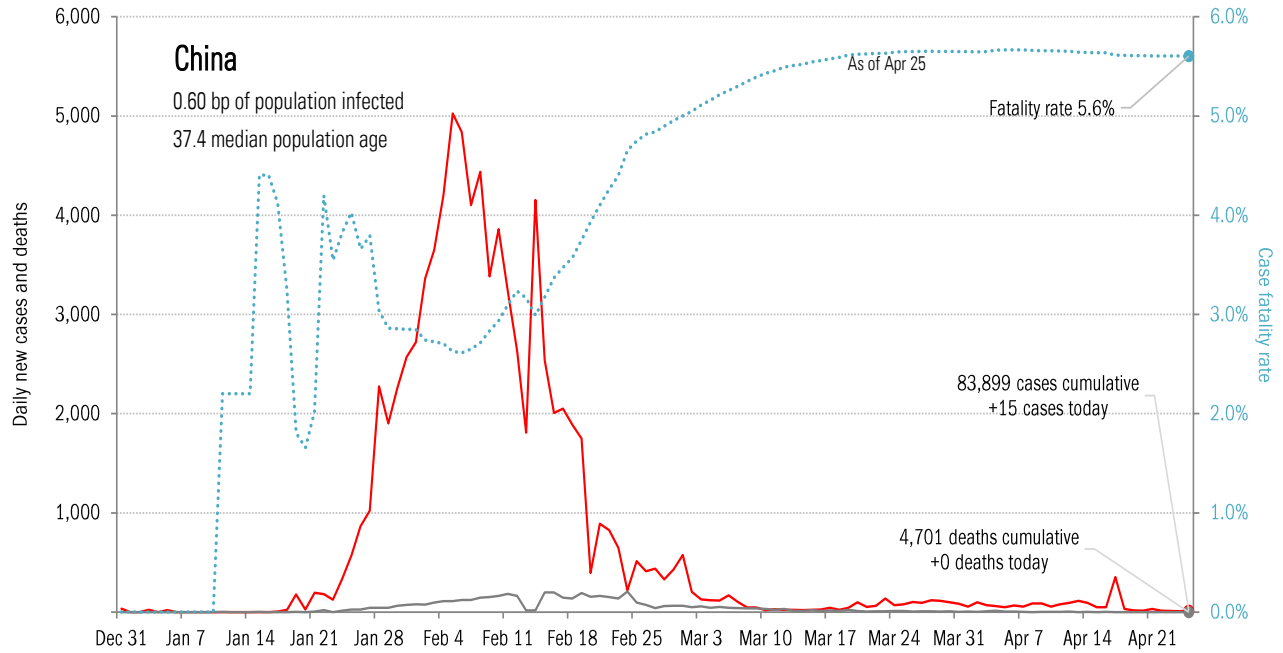
Source: [ECDC](#), TrendMacro calculations

From Ground Zero to the Rio Grande



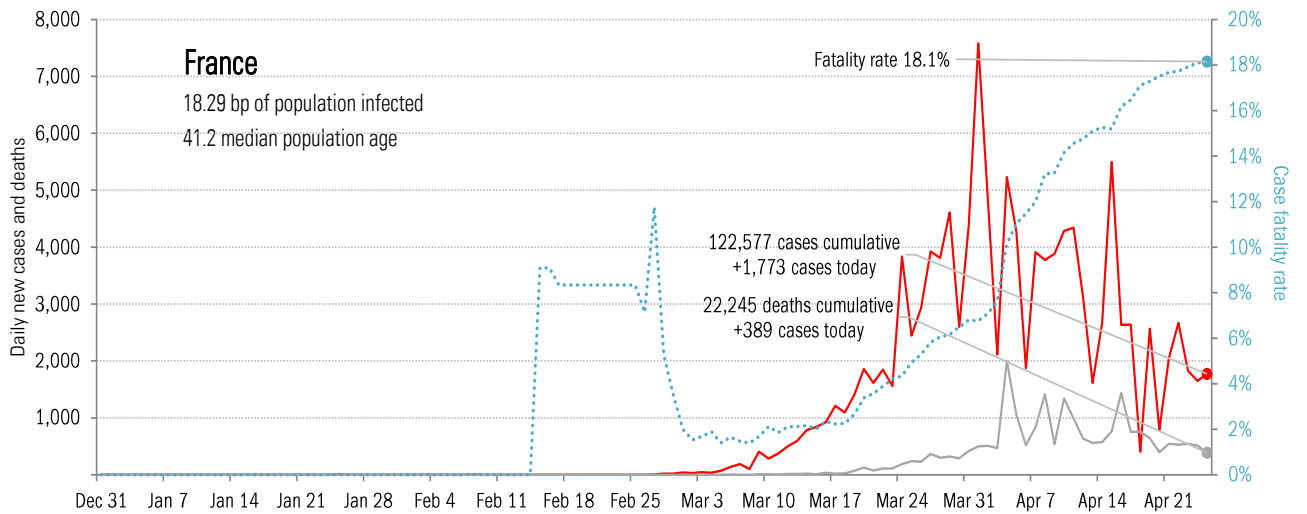
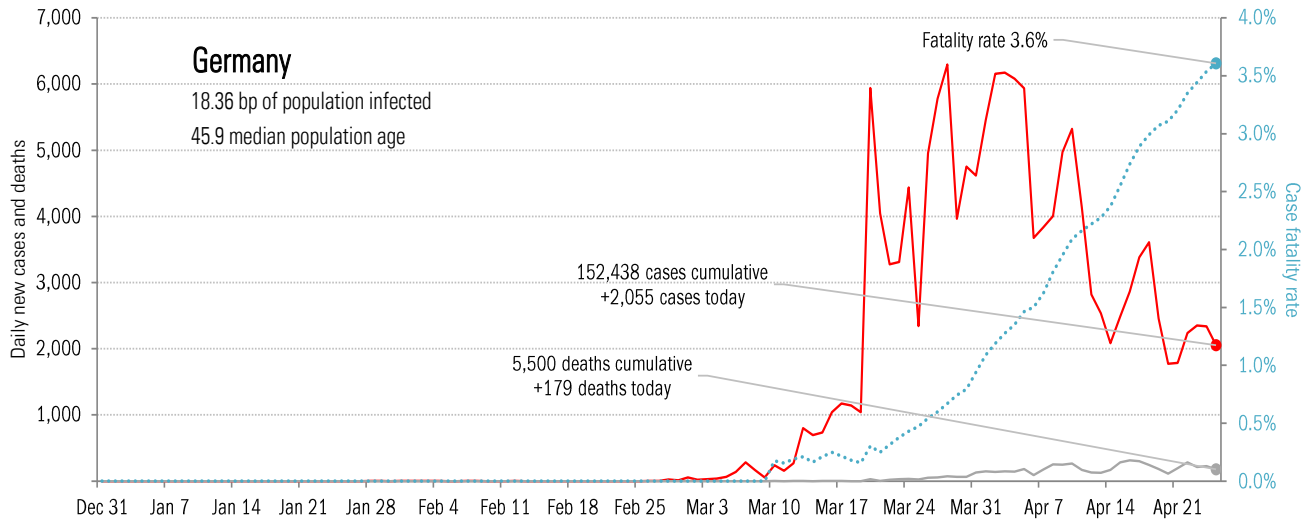
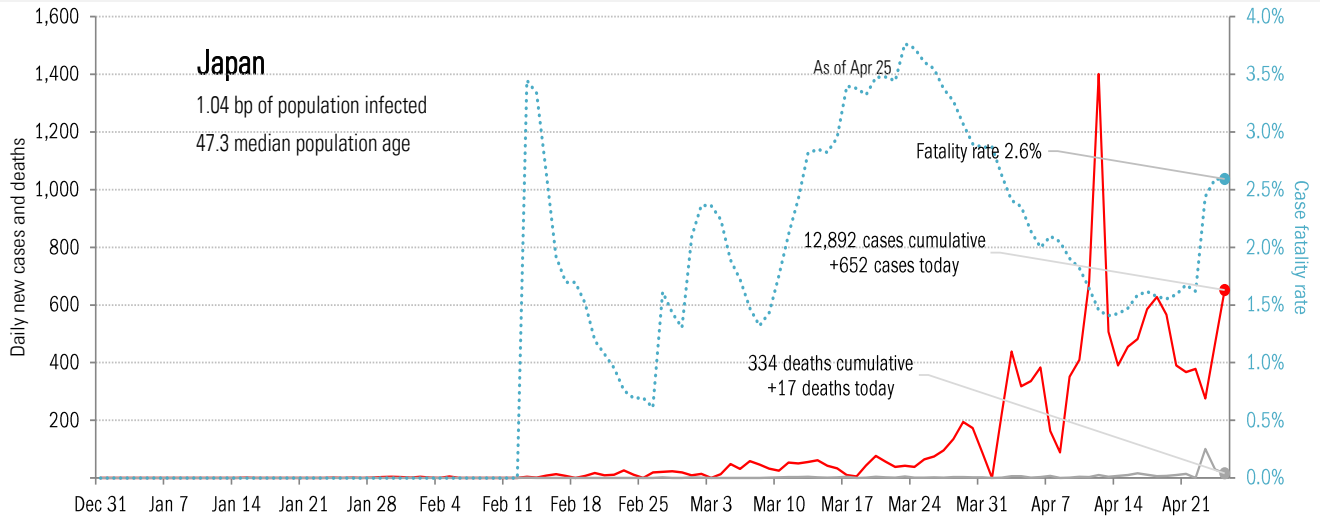
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



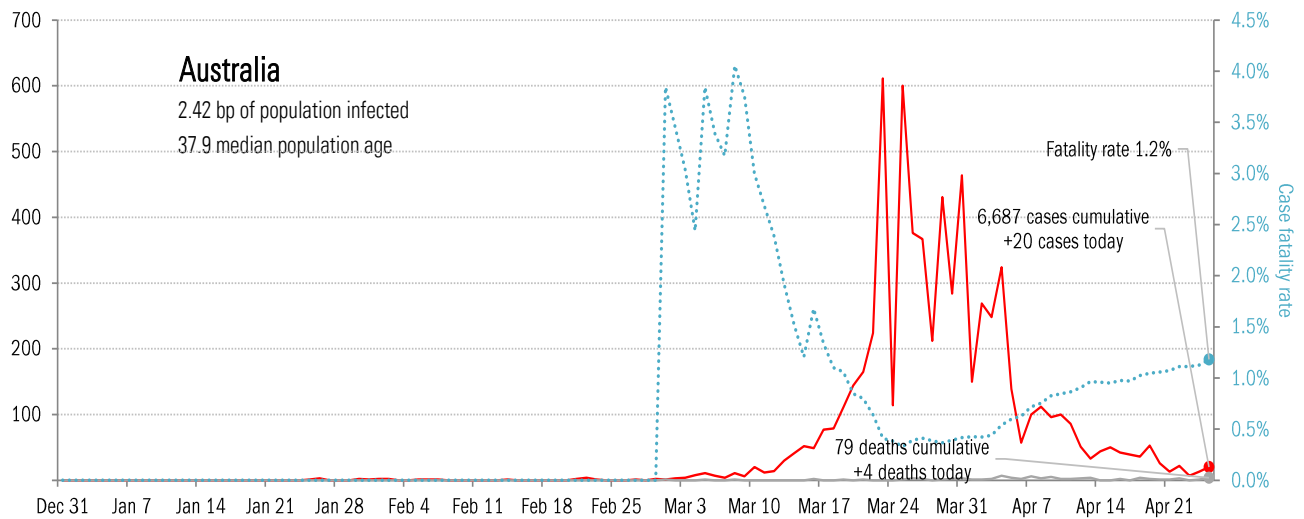
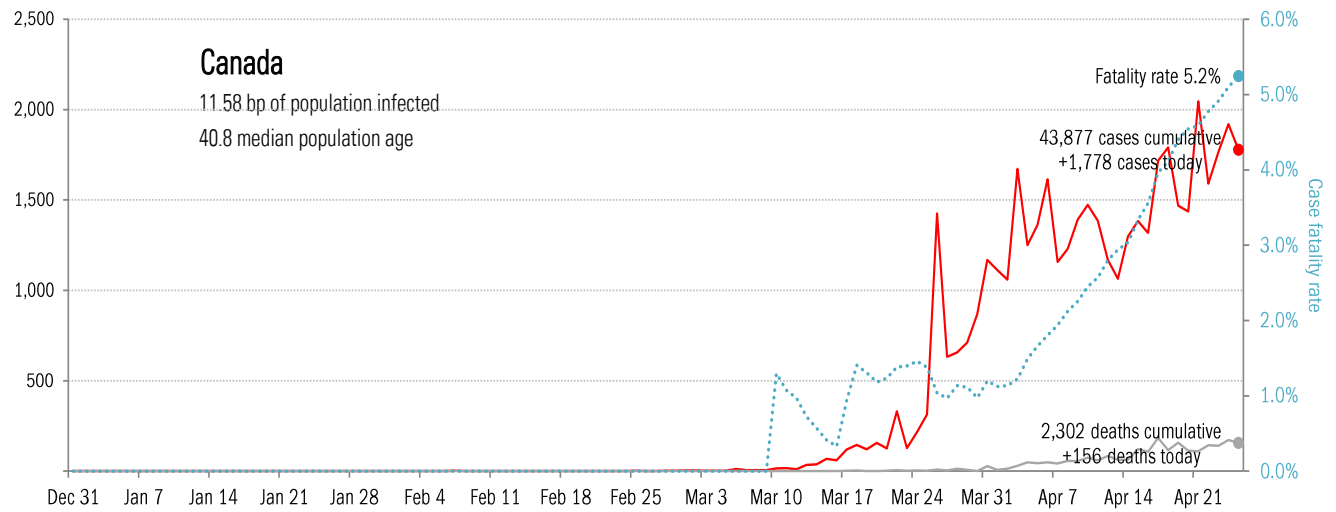
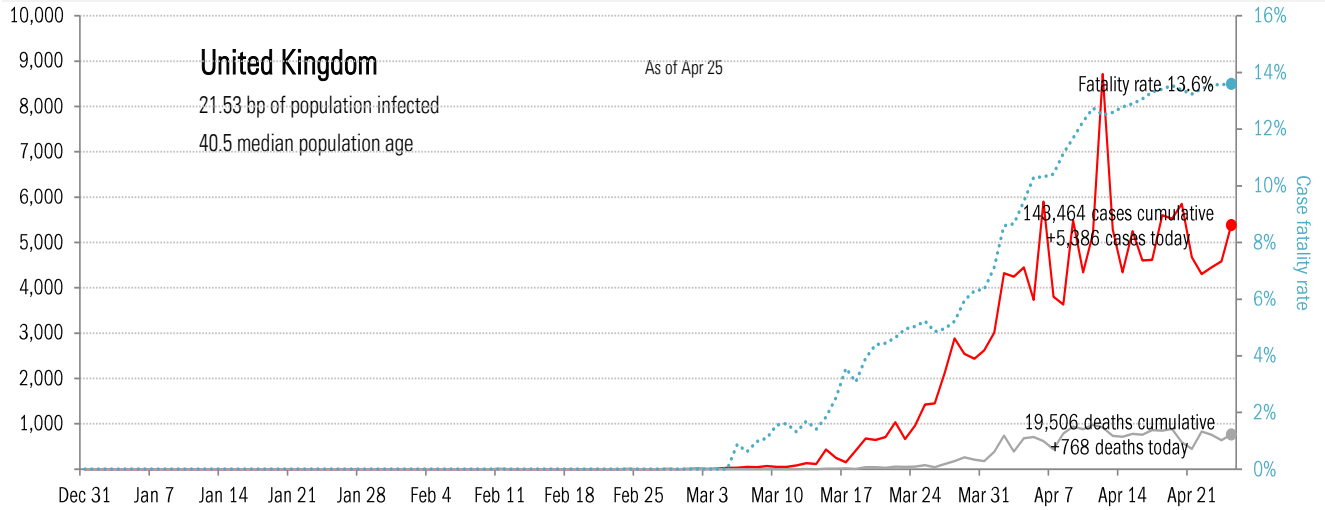
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



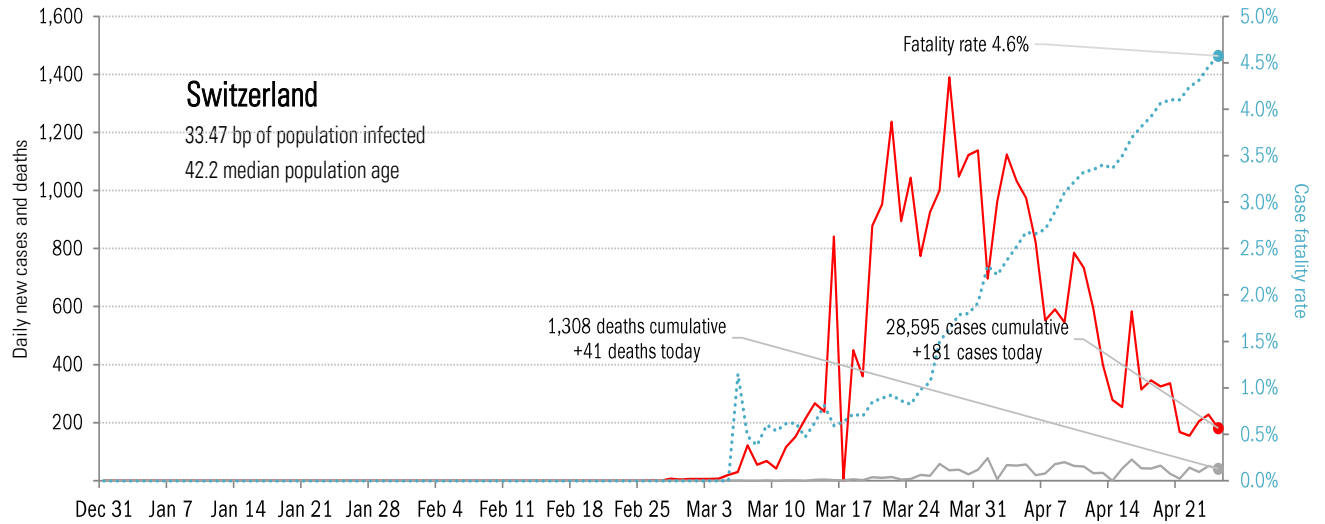
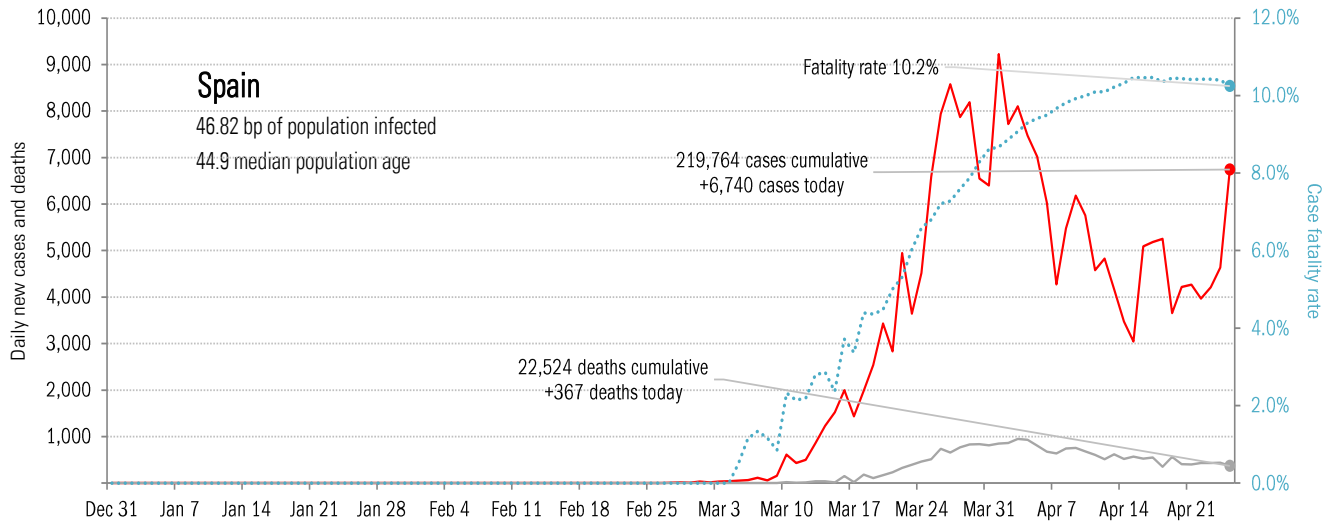
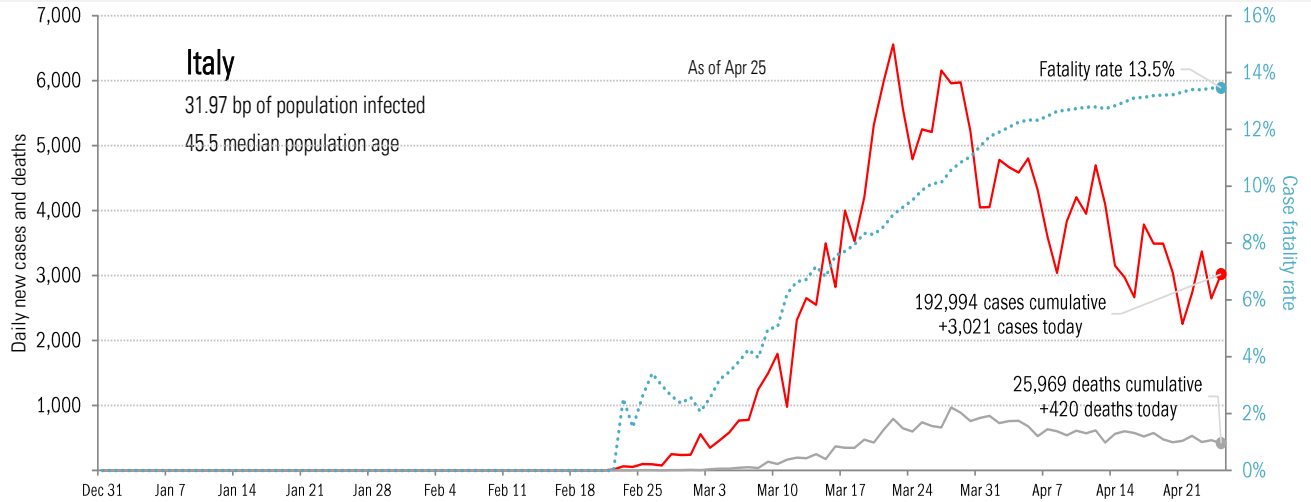
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



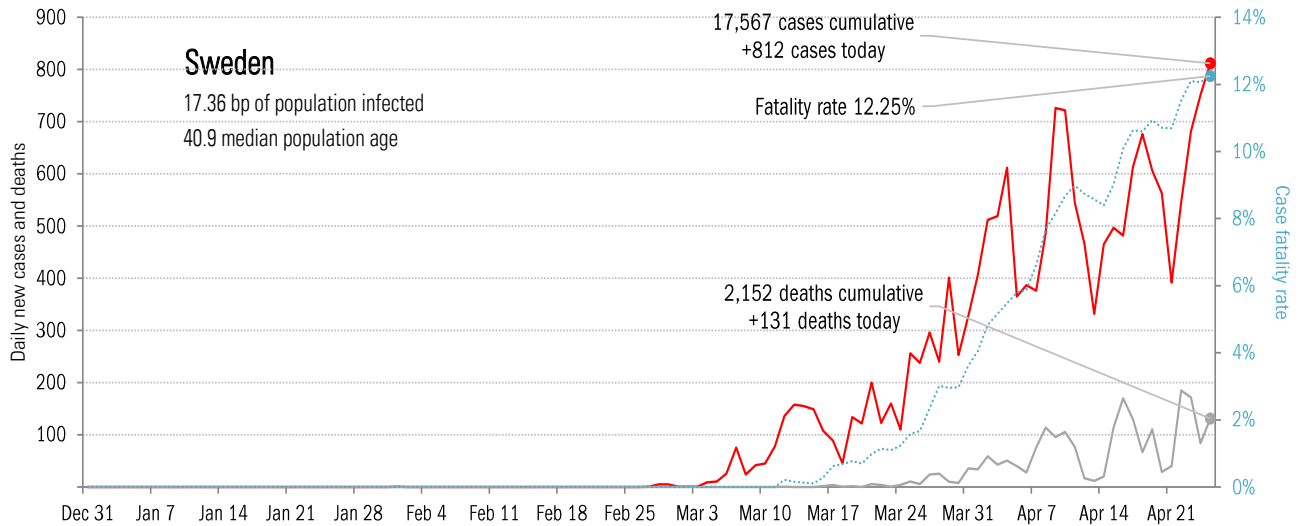
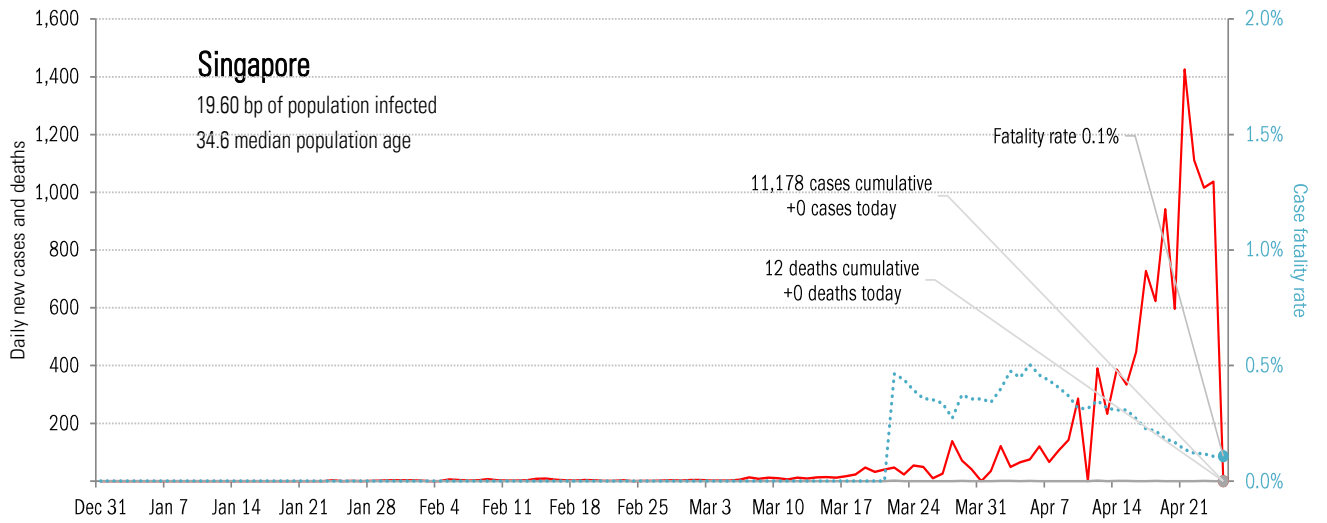
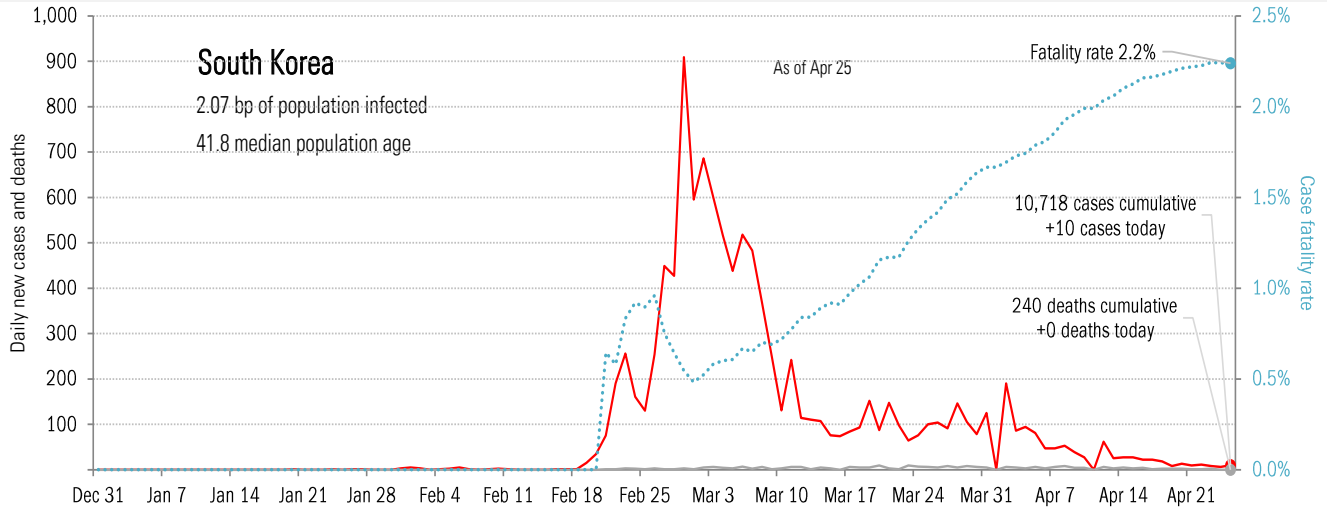
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



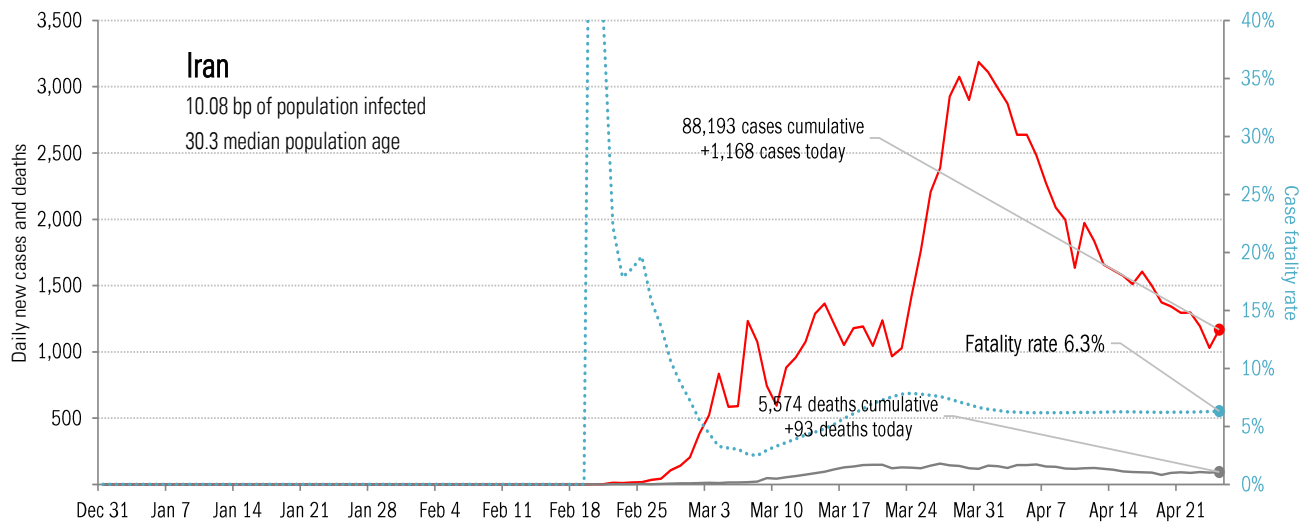
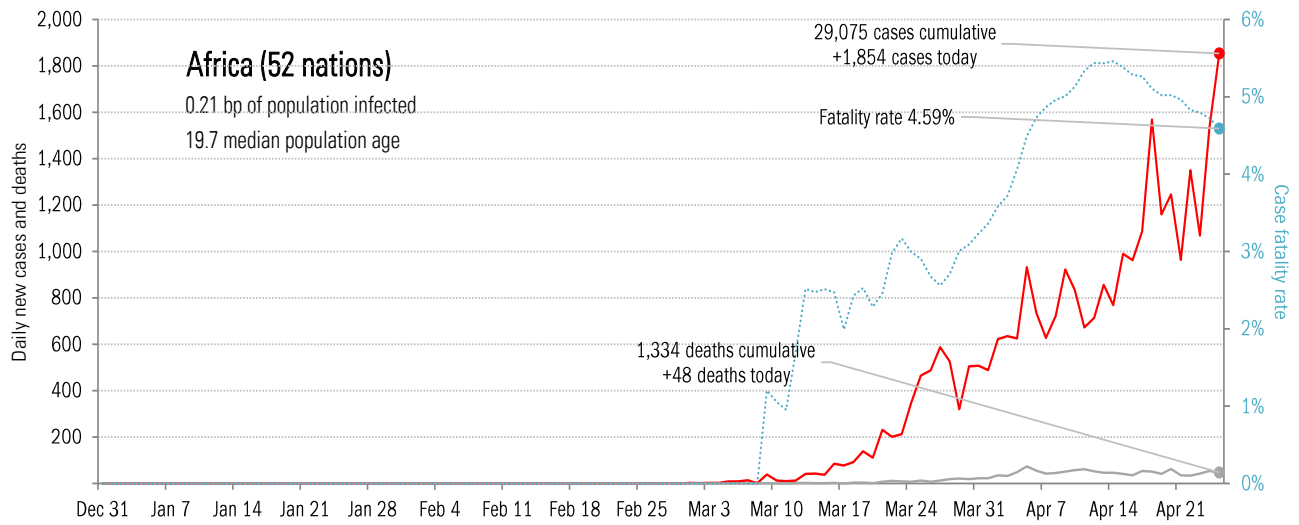
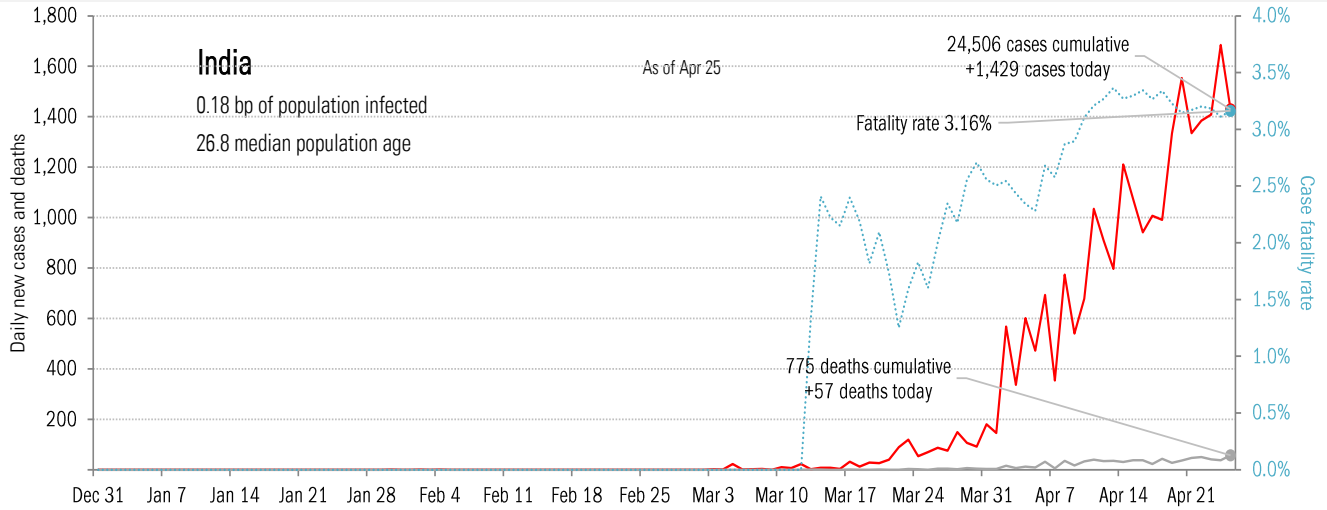
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

Impact in the fragile emerging world



Source: [ECDC](#), TrendMacro calculations