

Data Insights: Covid-2019 Monitor

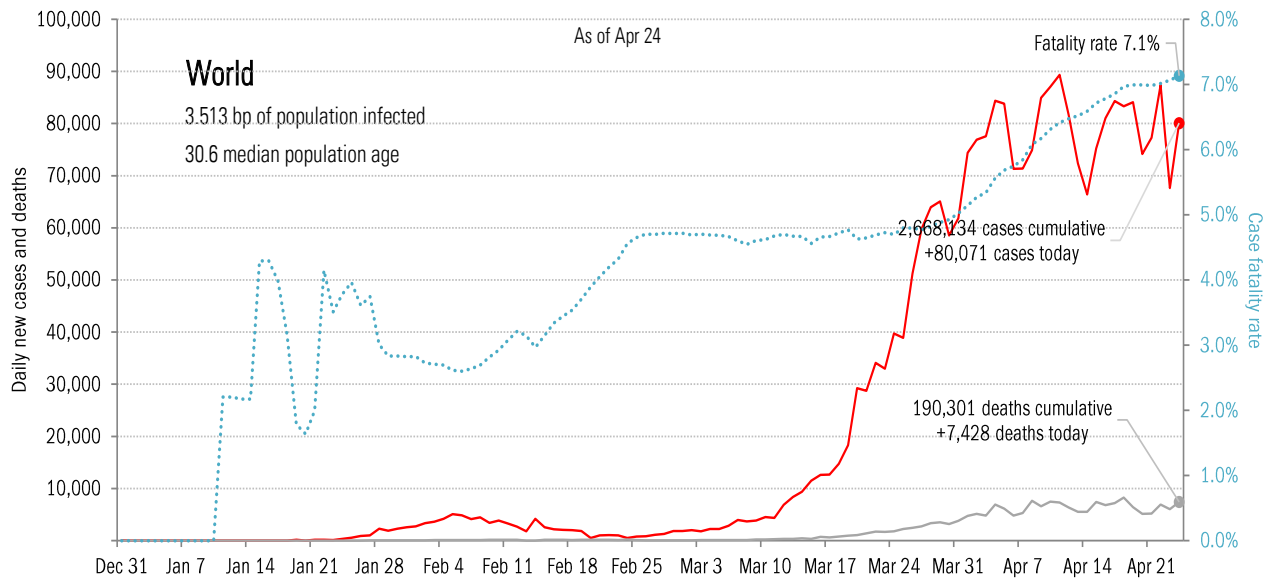
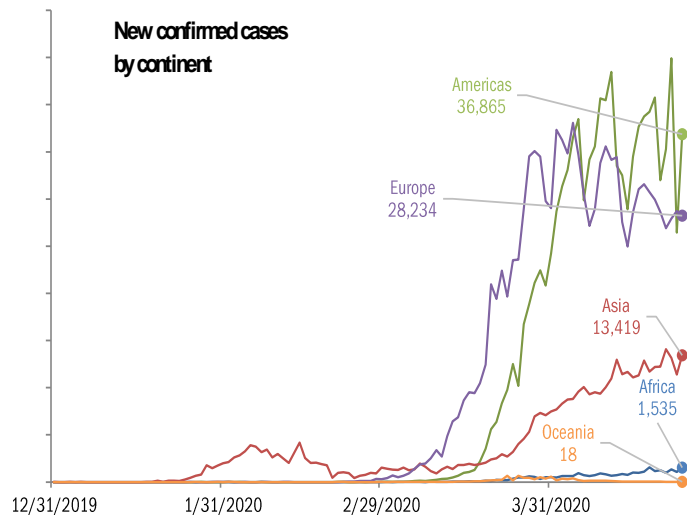
Friday, April 24, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+26,543	US	+3,179
Russia	+4,774	UK	+638
Spain	+4,635	France	+516
UK	+4,583	Italy	+464
Brazil	+3,735	Spain	+440
Turkey	+3,116	Brazil	+407
Italy	+2,646	Belgium	+228
Germany	+2,337	Germany	+227
Canada	+1,920	Canada	+172
India	+1,684	Netherlands	+123
+55,973		+6,394	
World	+80,071	World	+7,428
Top ten	70%	Top ten	86%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

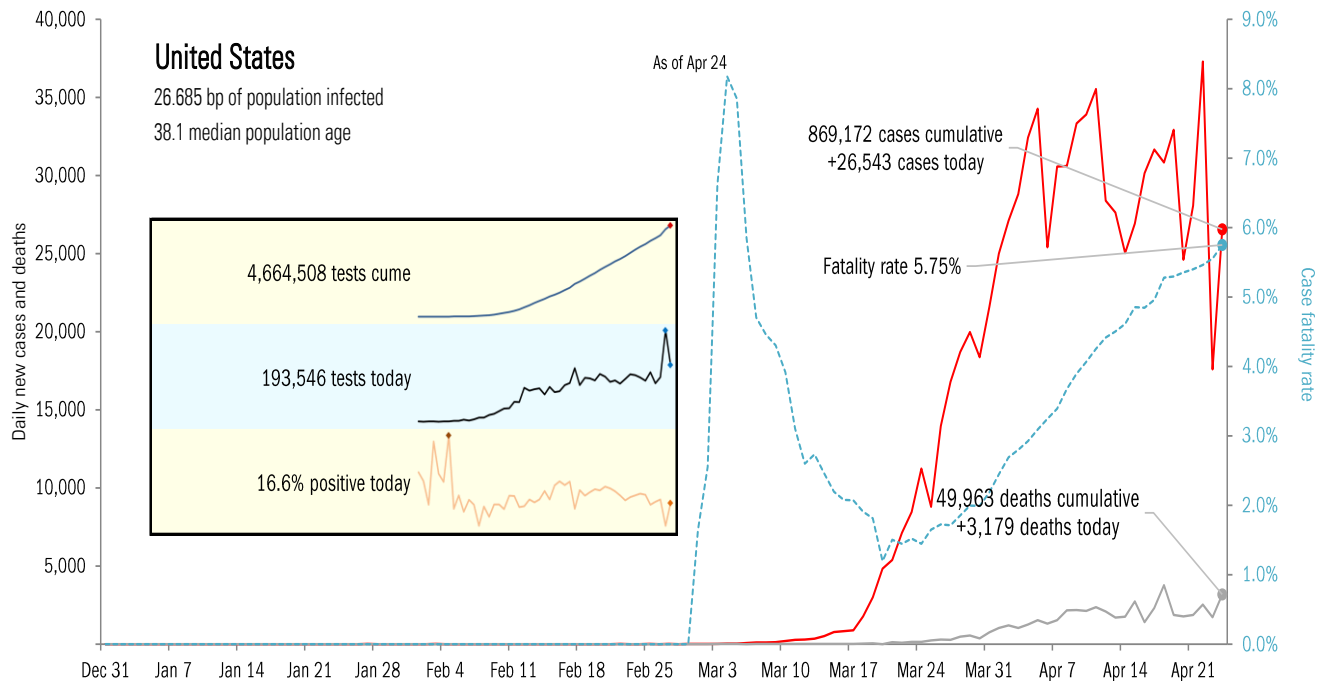
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cure cases		Cure deaths		Cure in hospital	
NY	+6,244	NY	+438	MA	+4,493	NY	263,460	NY	15,740	NY	57,103
NJ	+4,124	NJ	+305	FL	+224	NJ	99,989	NJ	5,368	FL	4,693
MA	+3,079	MA	+178	VA	+172	MA	46,023	MI	2,977	MA	4,493
CA	+1,973	MI	+164	MD	+152	CA	37,369	MA	2,360	GA	4,069
IL	+1,826	IL	+123	CO	+120	IL	36,934	IL	1,688	MD	3,477
PA	+1,602	MD	+117	GA	+110	PA	36,647	CT	1,639	OH	2,960
MI	+1,325	CA	+115	OH	+78	MI	35,291	LA	1,540	CO	2,123
VA	+1,176	CT	+95	MN	+52	FL	28,832	CA	1,469	VA	1,753
MD	+962	FL	+69	AL	+38	LA	25,739	PA	1,421	WI	1,318
TX	+875	LA	+67	MS	+36	CT	23,100	FL	979	KY	1,105
+23,186		+1,671		+5,475		633,384		35,181		83,094	
All states	+32,170	All states	+1,911	All states	+5,643	All states	859,318	All states	44,014	All states	91,108
Top ten	72%	Top ten	87%	Top ten	97%	Top ten	74%	Top ten	80%	Top ten	91%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CT	-1,478	PA	-259	GA	-70	TX	+684
FL	-291	MA	-43	SC	-61	MN	+219
IL	-223	NY	-36	AK	-36	TN	+181
SC	-166	CT	-26	WI	-34	SD	+127
CA	-162	WA	-20	CH	-25	OK	+112



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

Recommended reading

[Stopping a Lawsuit Epidemic](#)

Wall Street Journal
April 23, 2020

[New York Finds Virus Marker in 13.9%, Suggesting Wide Spread](#)

Angelica LaVito, Kristen V Brown, and Keshia Clukey
Bloomberg
April 23, 2020

[US business groups seek protection from coronavirus lawsuits](#)

Andrew Edgecliffe-Johnson and Lauren Fedor
Financial Times
April 23, 2020

[Switch to Bachelier Options Pricing Model](#)

CME Group
April 21, 2020

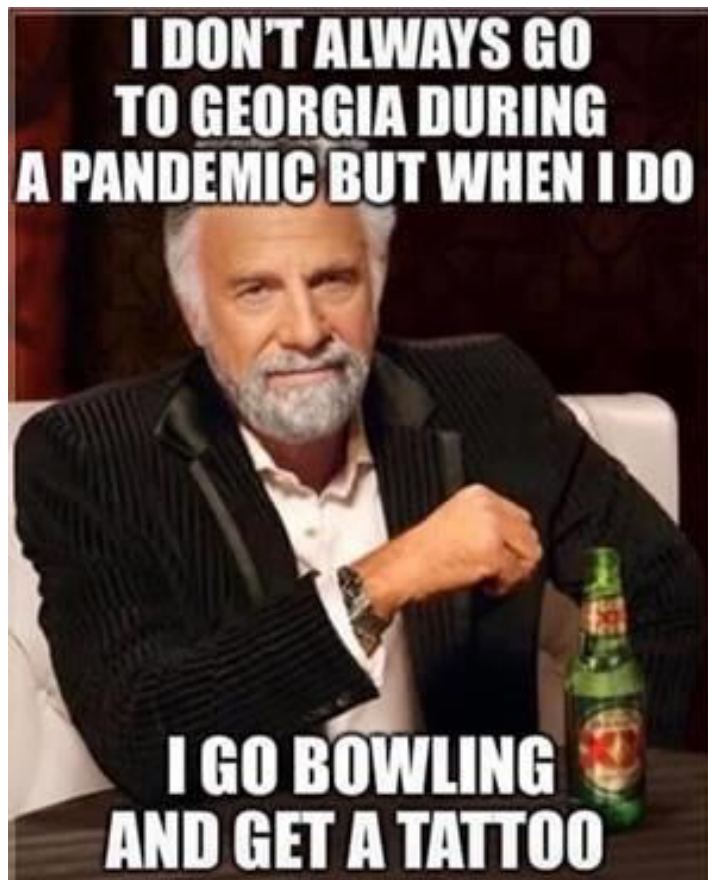
[Policy Implications Of Models Of The Spread Of Coronavirus: Perspectives And Opportunities For Economists](#)

Christopher Avery et al.
National Bureau Of Economic Research
April 2020

[The culture of corona](#)

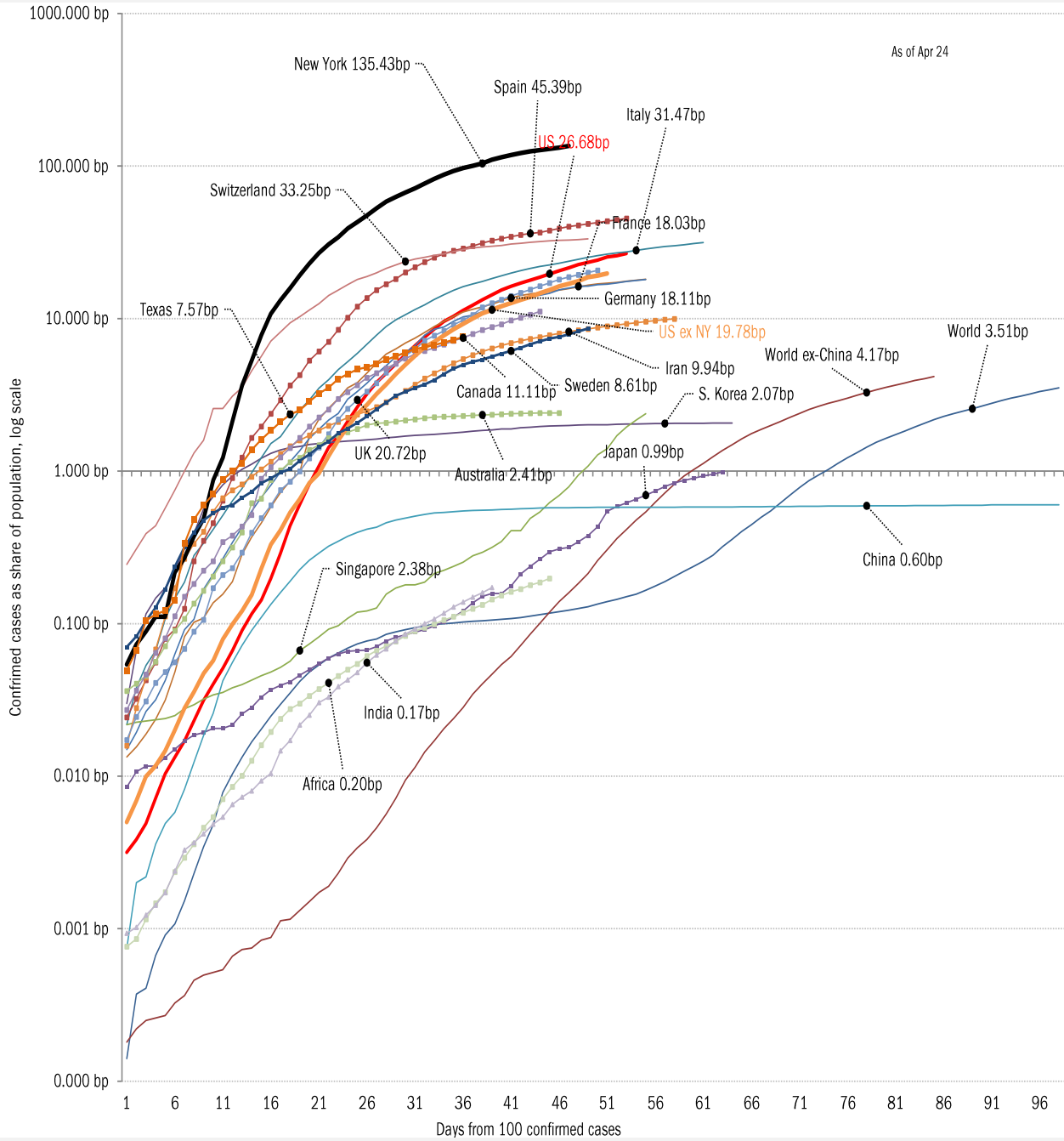
Roger Kimball
New Criterion
May 2020

Meme of the day



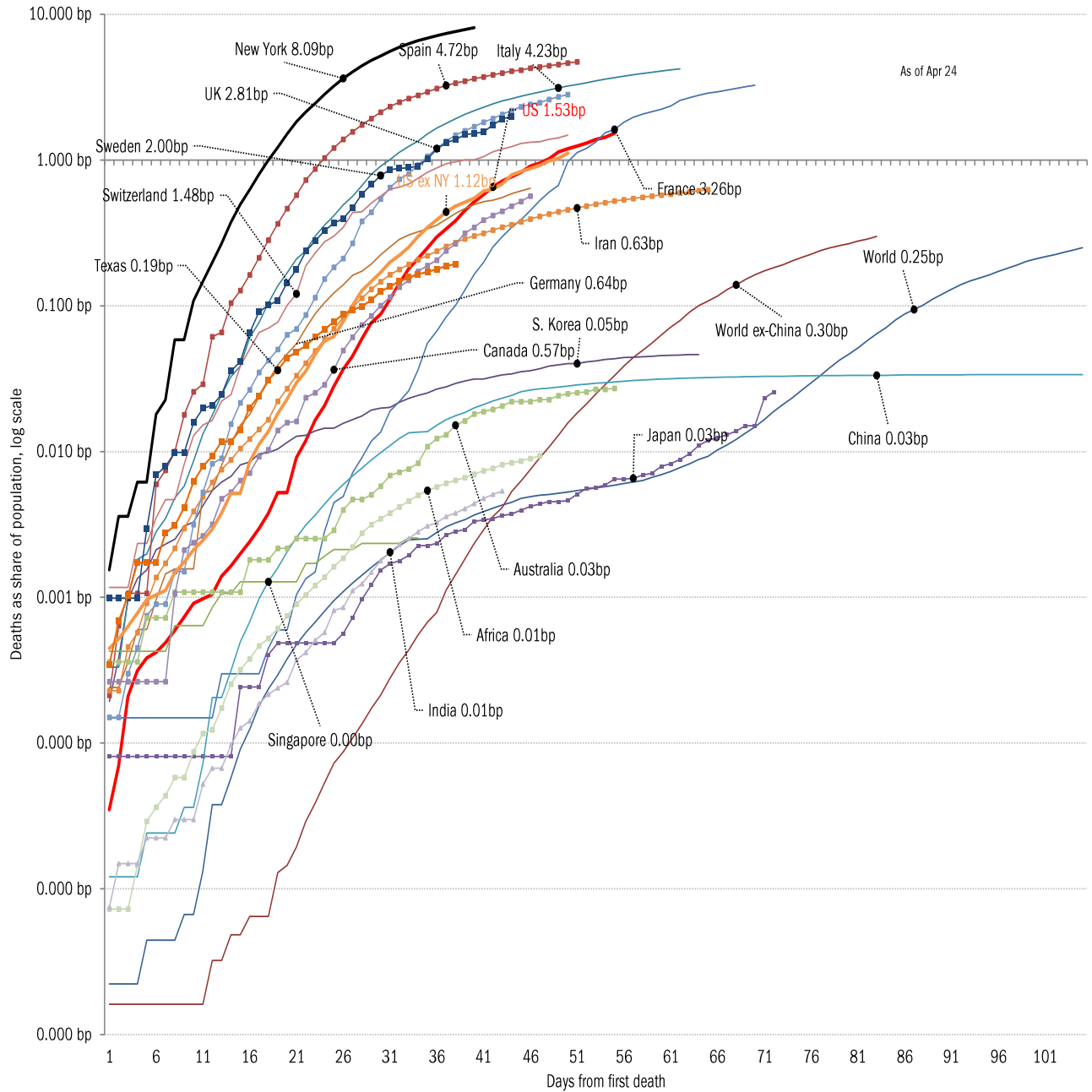
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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



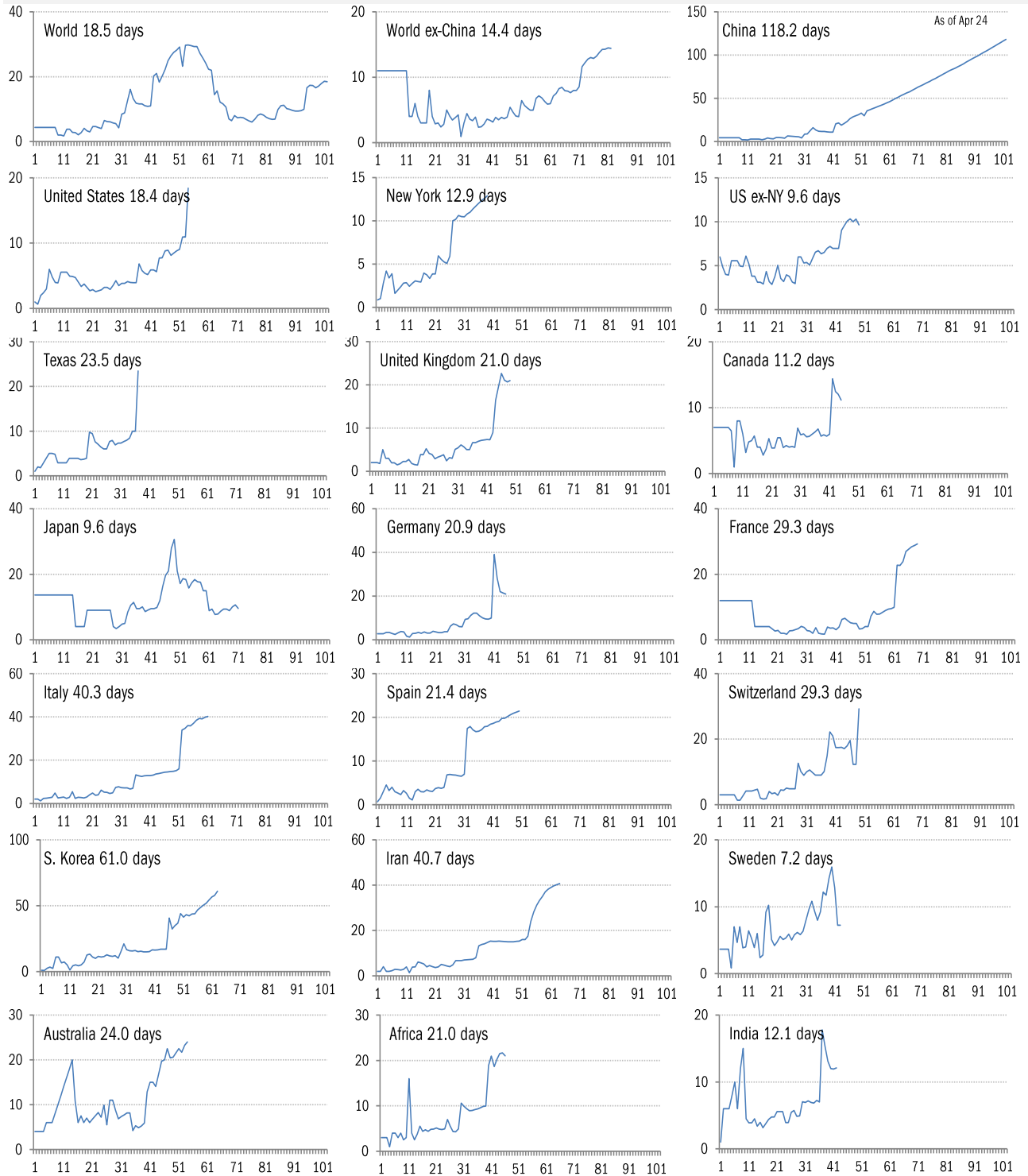
Source: [ECDC](#), TrendMacro calculations

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

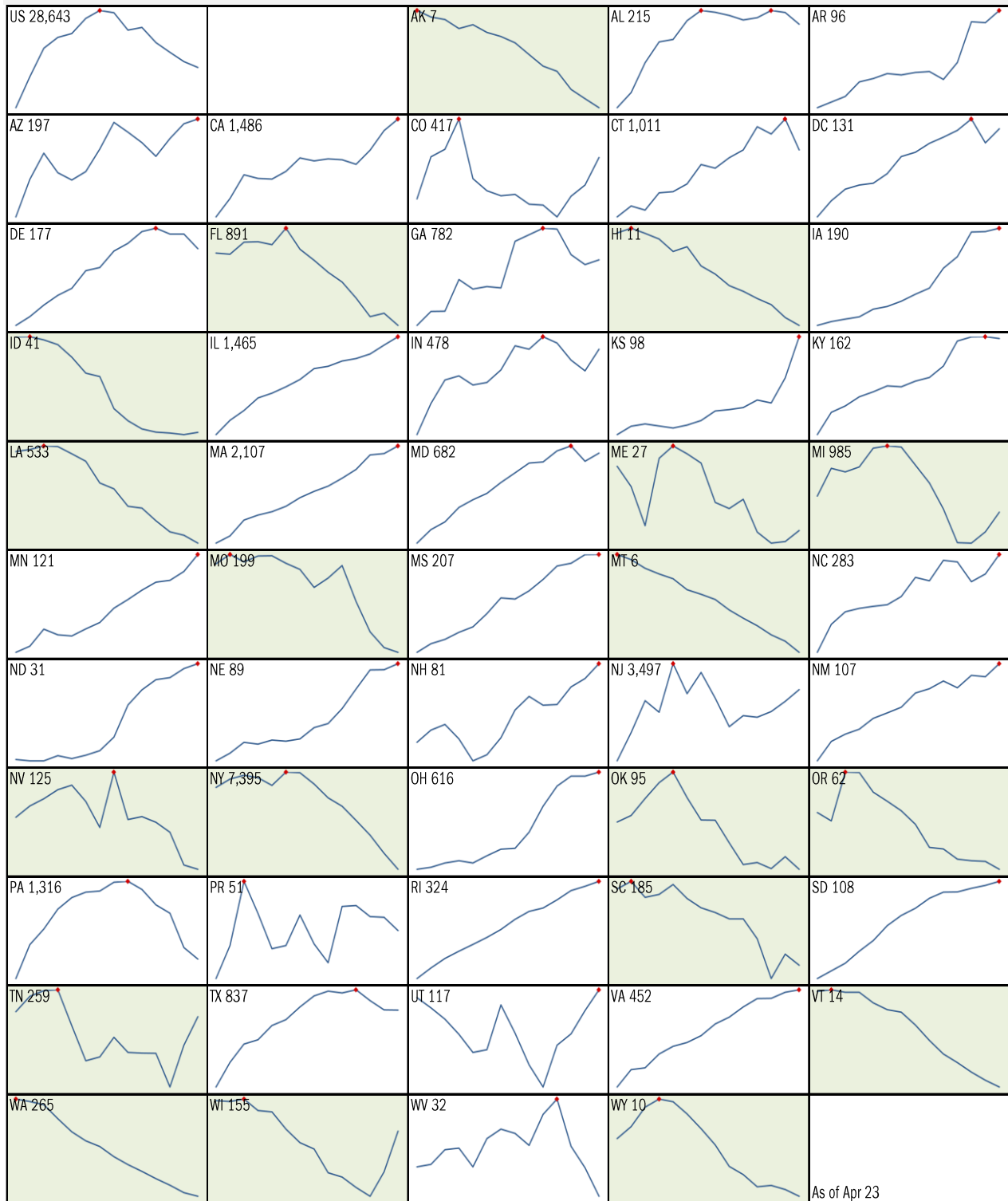
Progress means seeing the line move up and to the right...

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



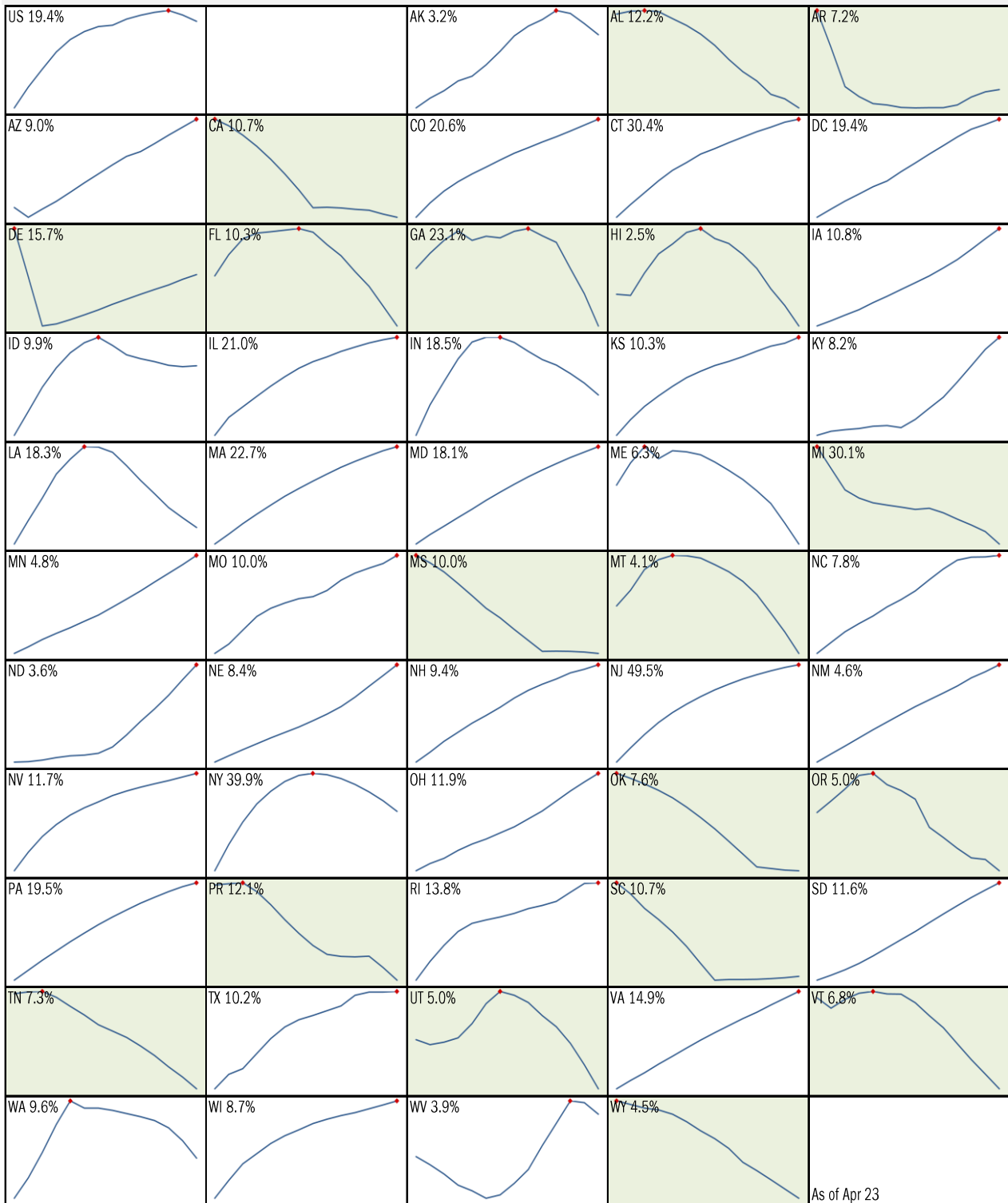
Source: [ECDC](#), TrendMacro calculations

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



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



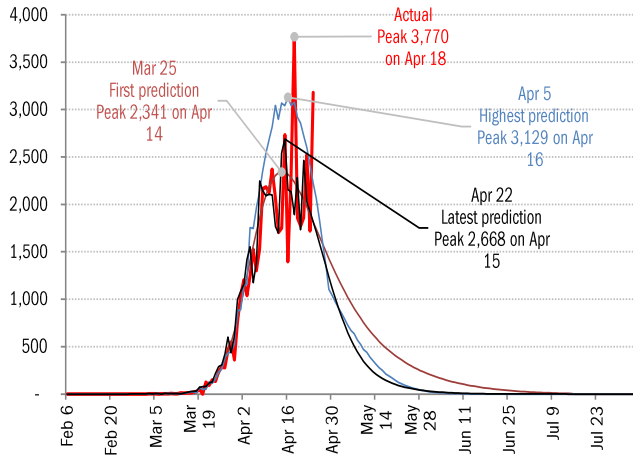
Source: [Covid Tracking Project](#), TrendMacro calculations

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

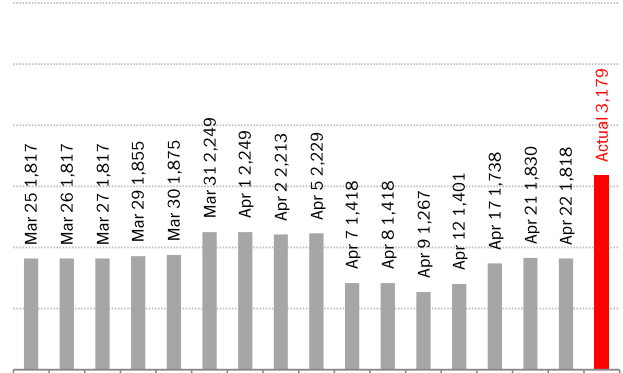
New daily fatalities

As of Apr 24

Actual versus first, highest and latest model mean predictions

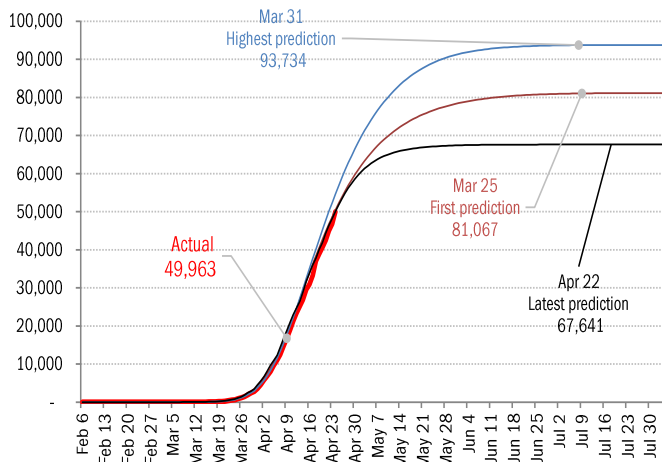


For this day, versus all model mean predictions

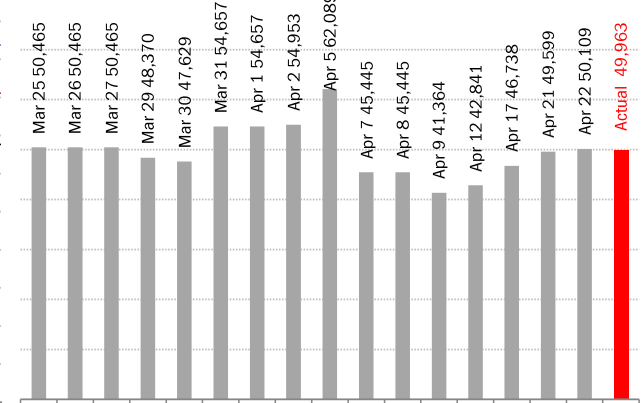


Cumulative fatalities

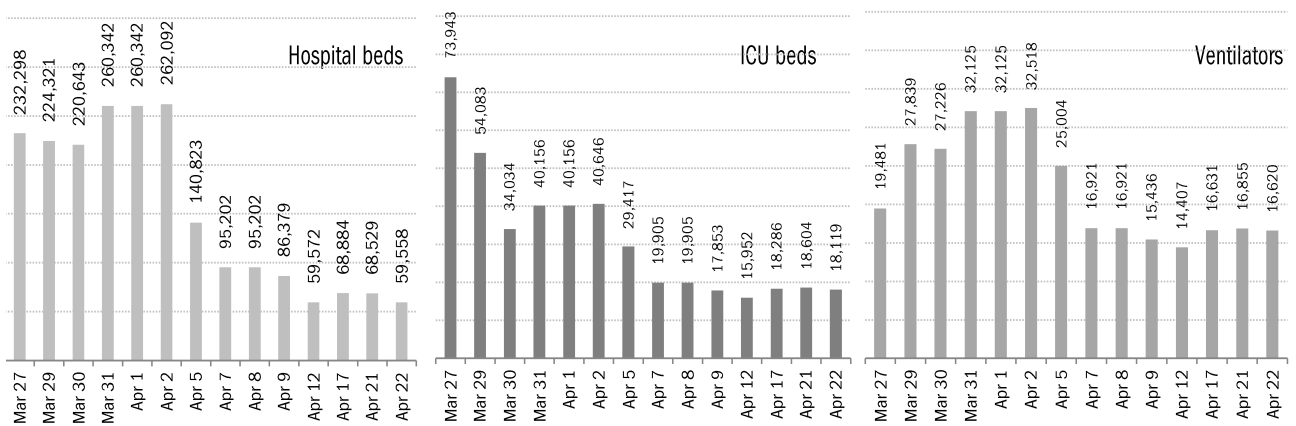
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

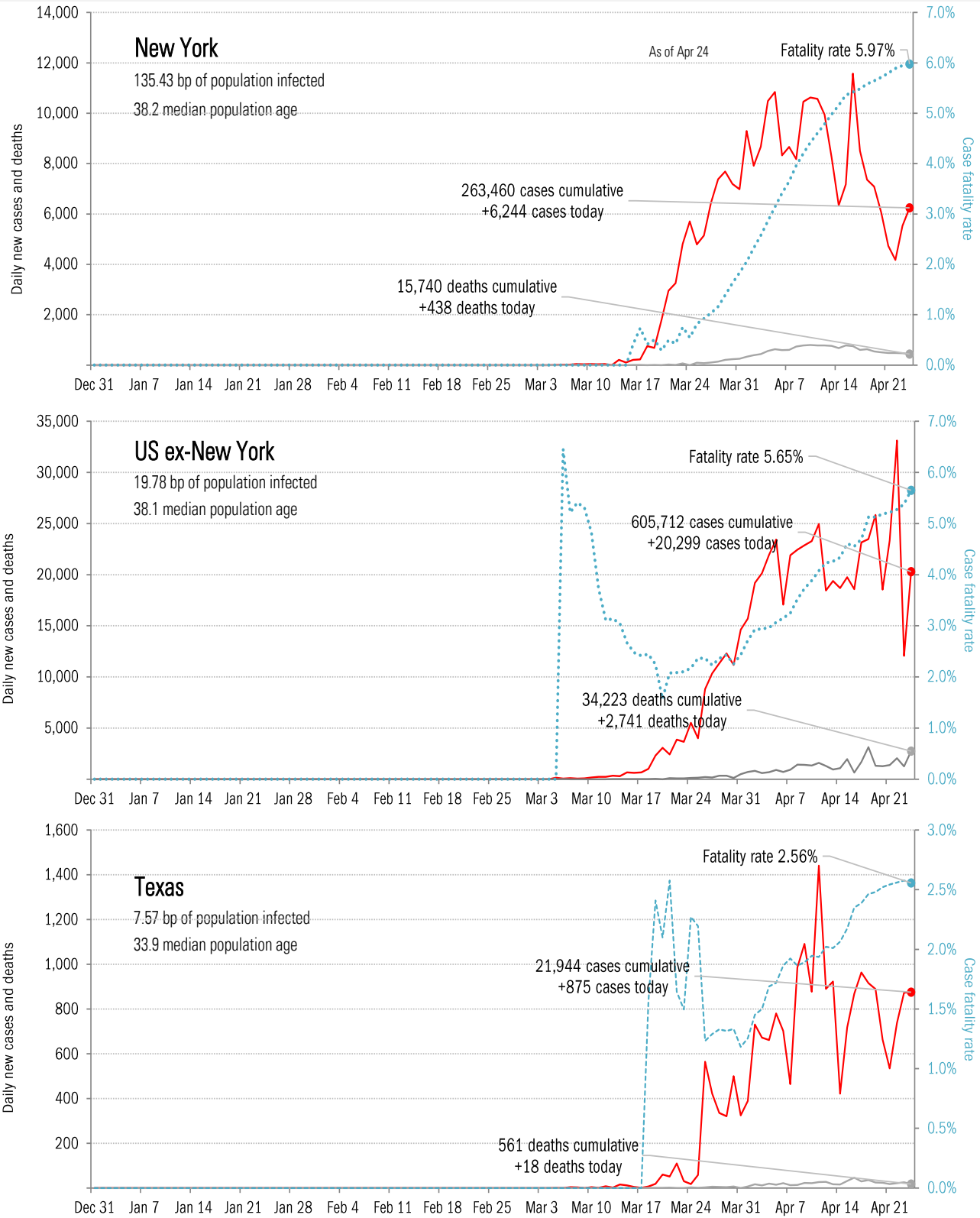


Healthcare system stress, peak estimated at each model revision



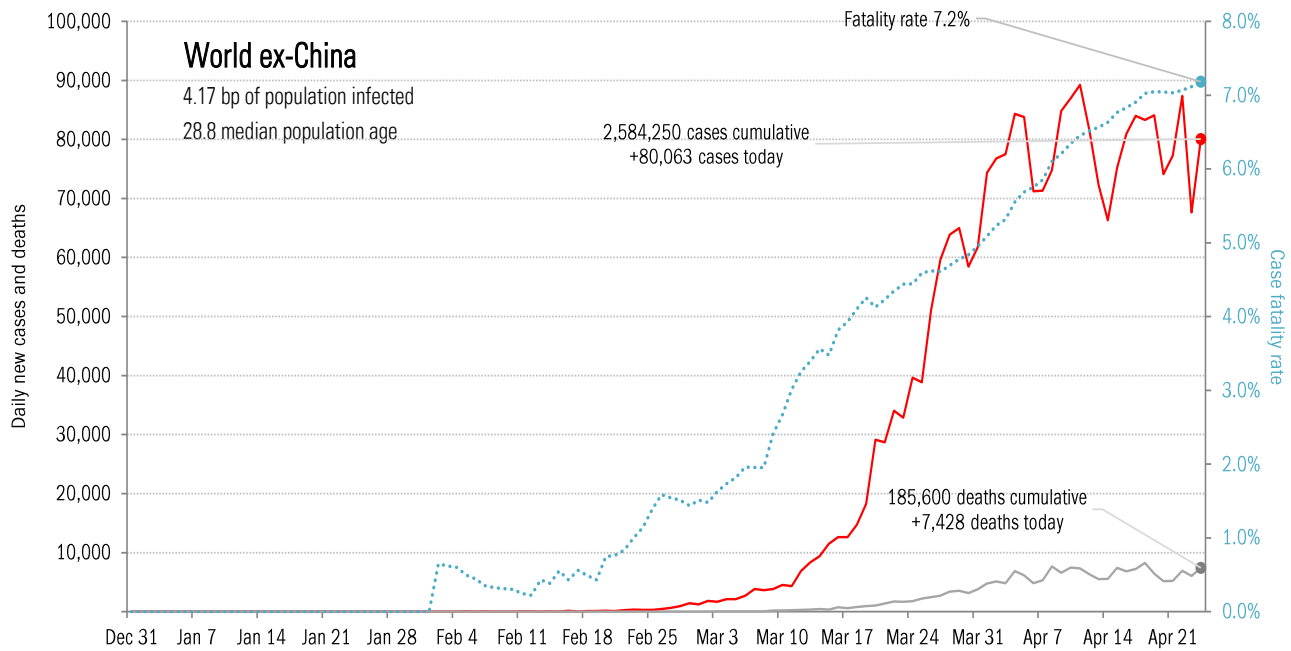
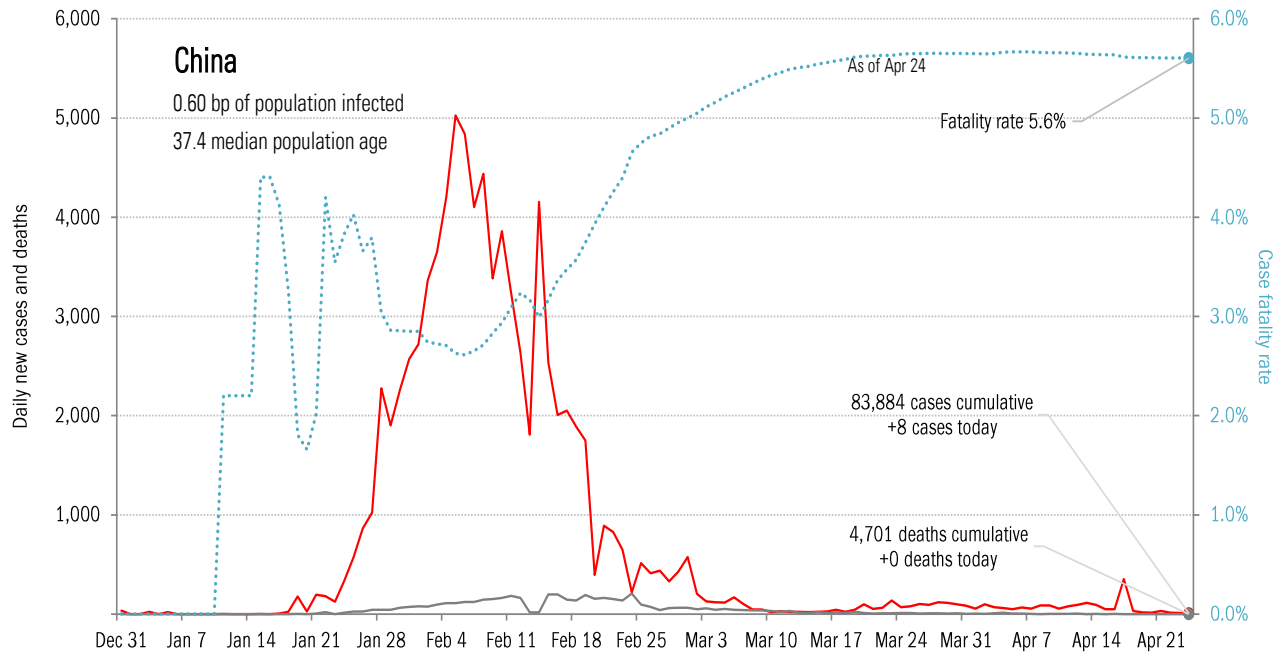
Source: [ECDC](#), TrendMacro calculations

From Ground Zero to the Rio Grande



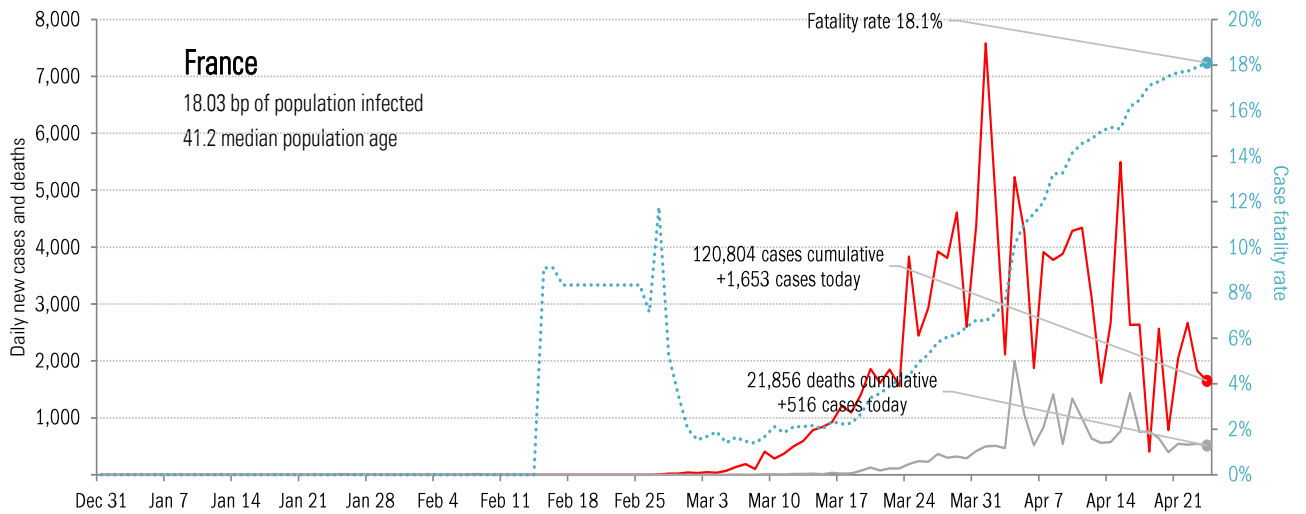
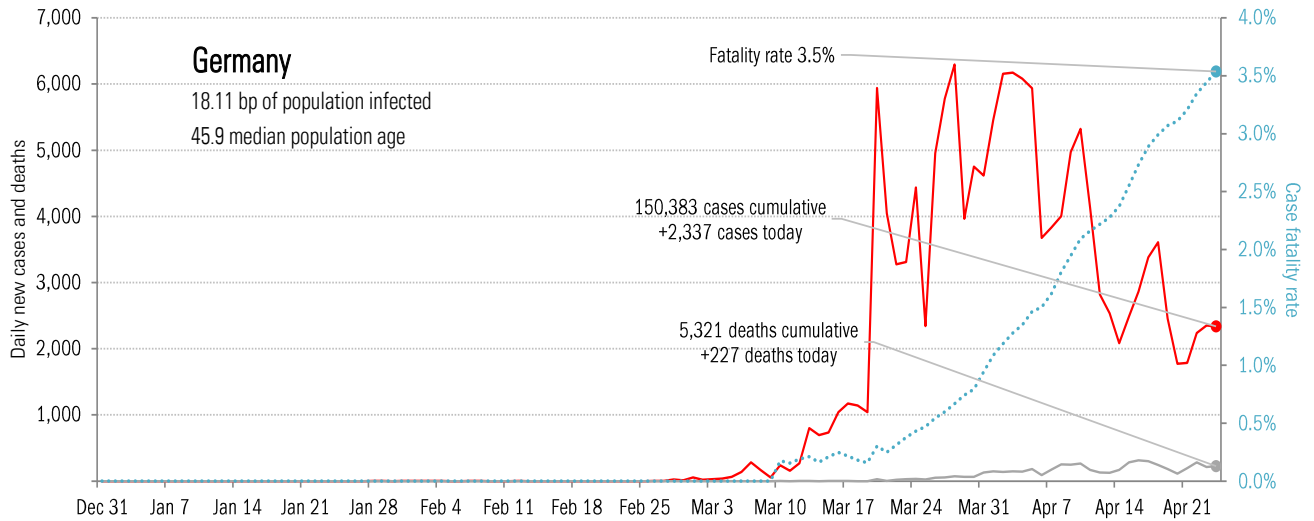
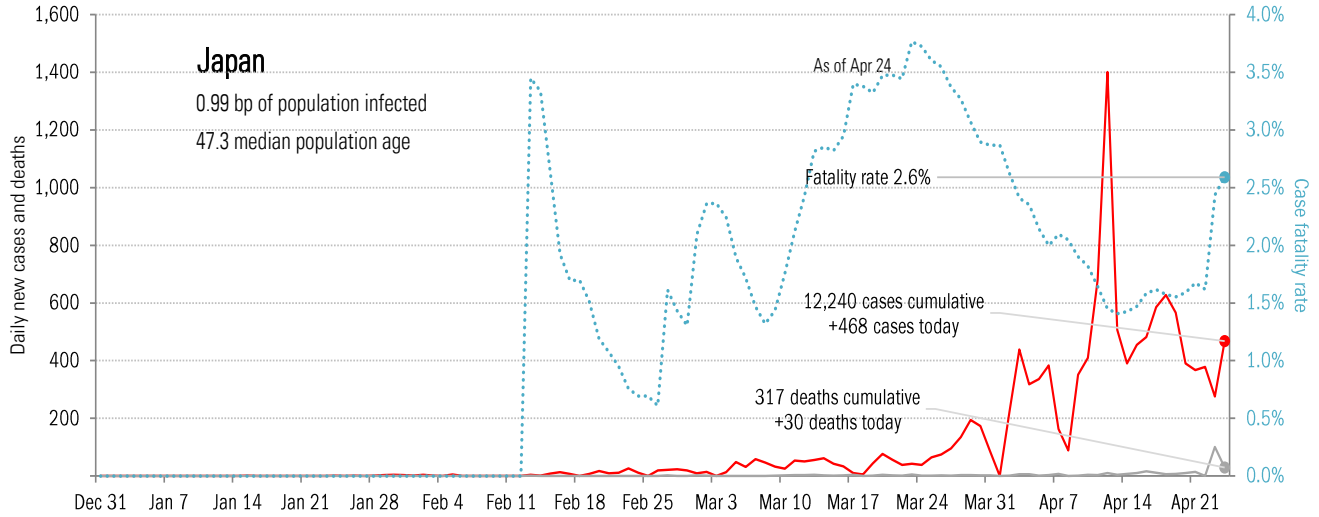
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



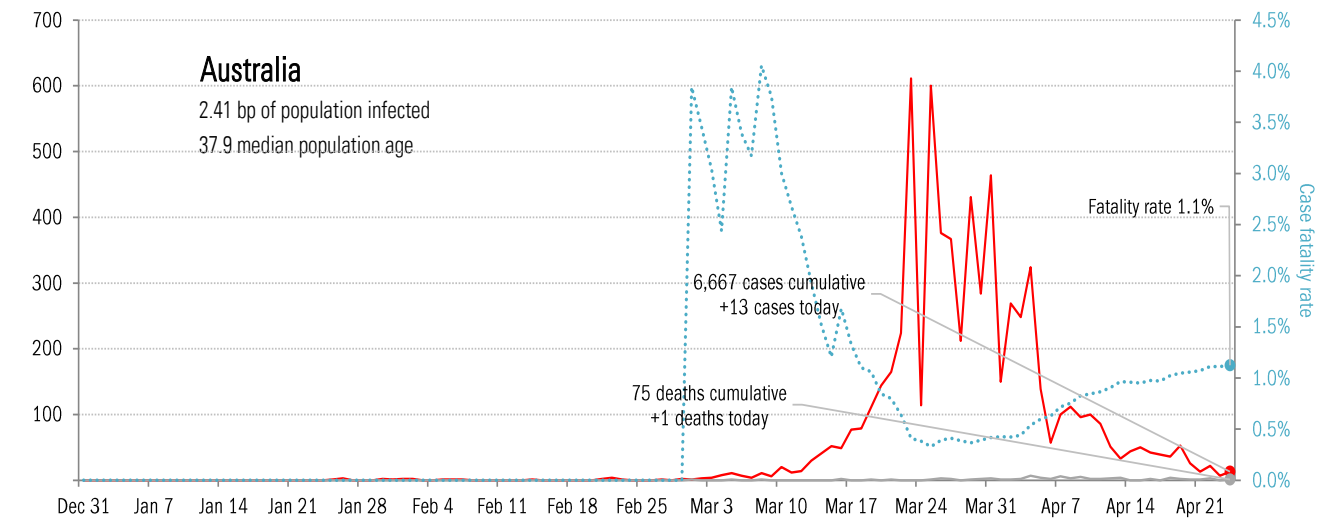
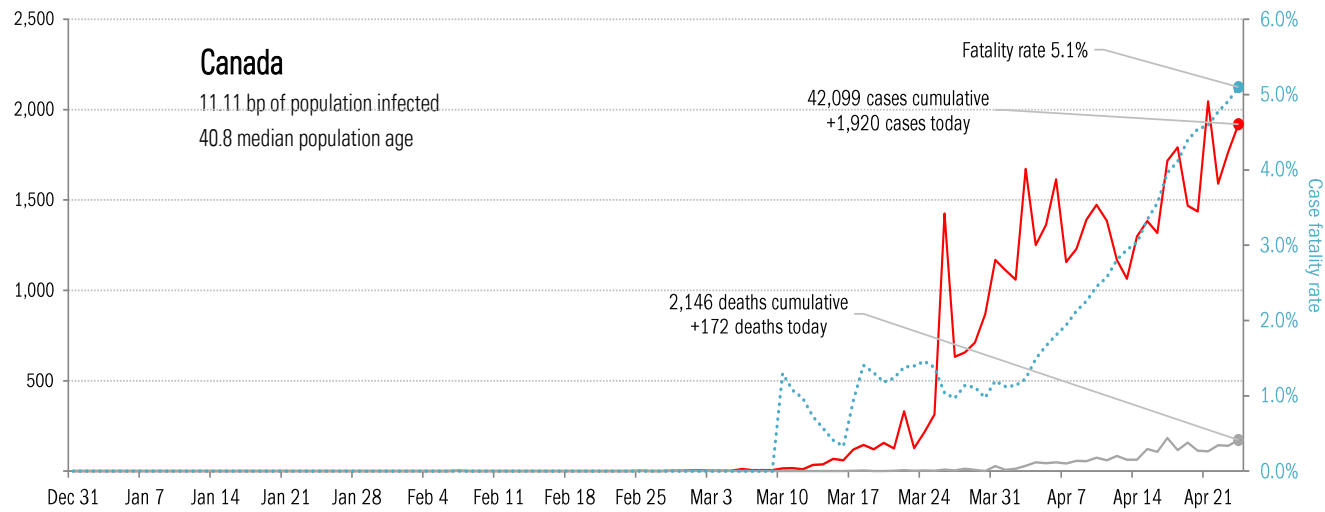
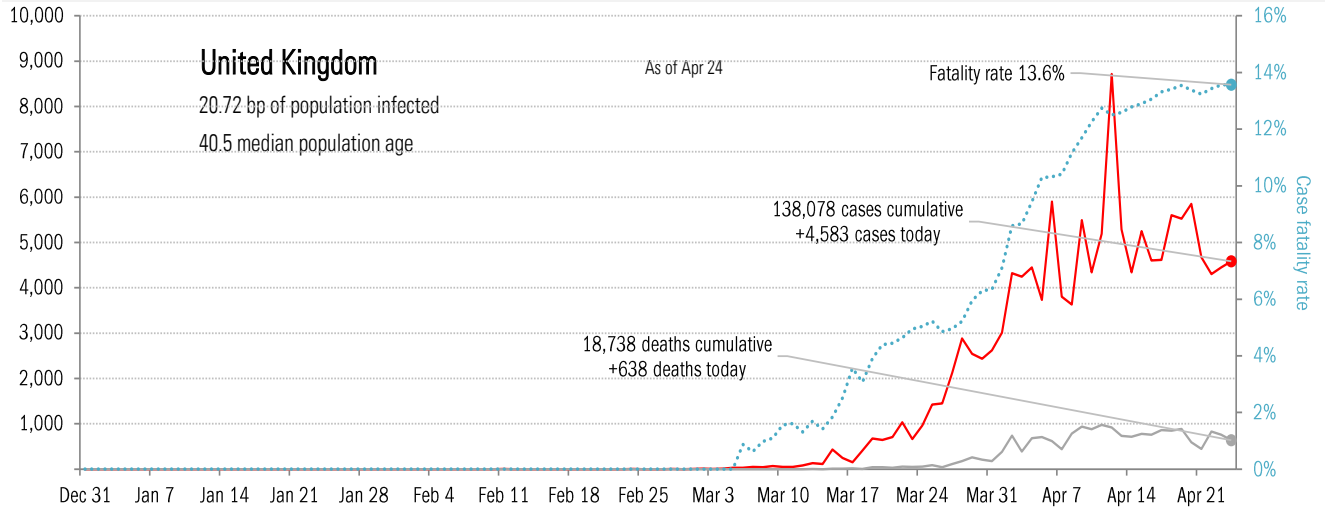
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



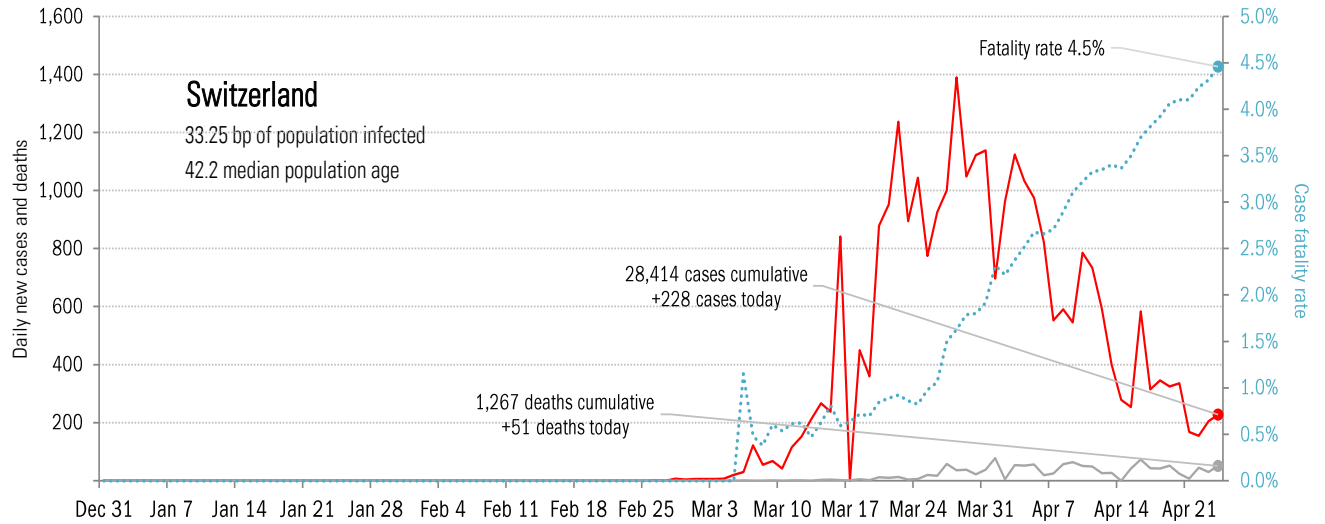
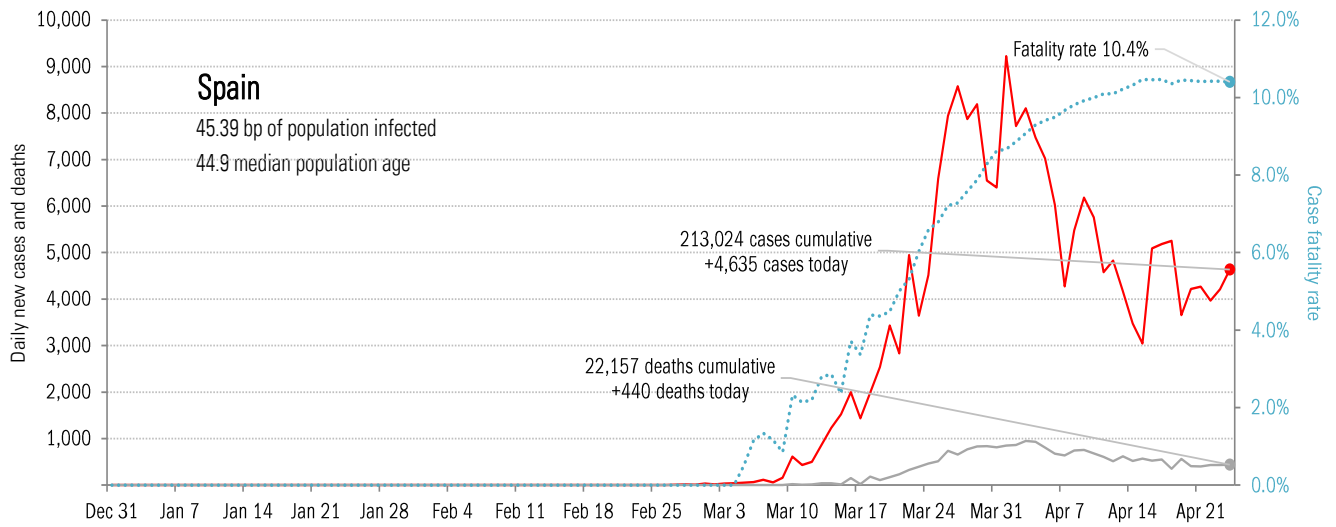
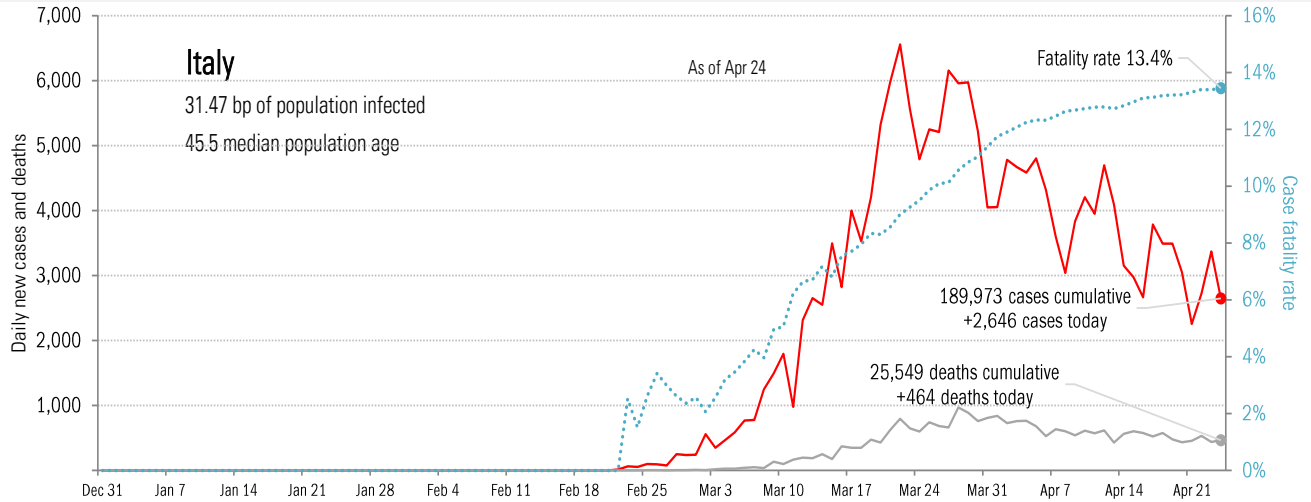
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



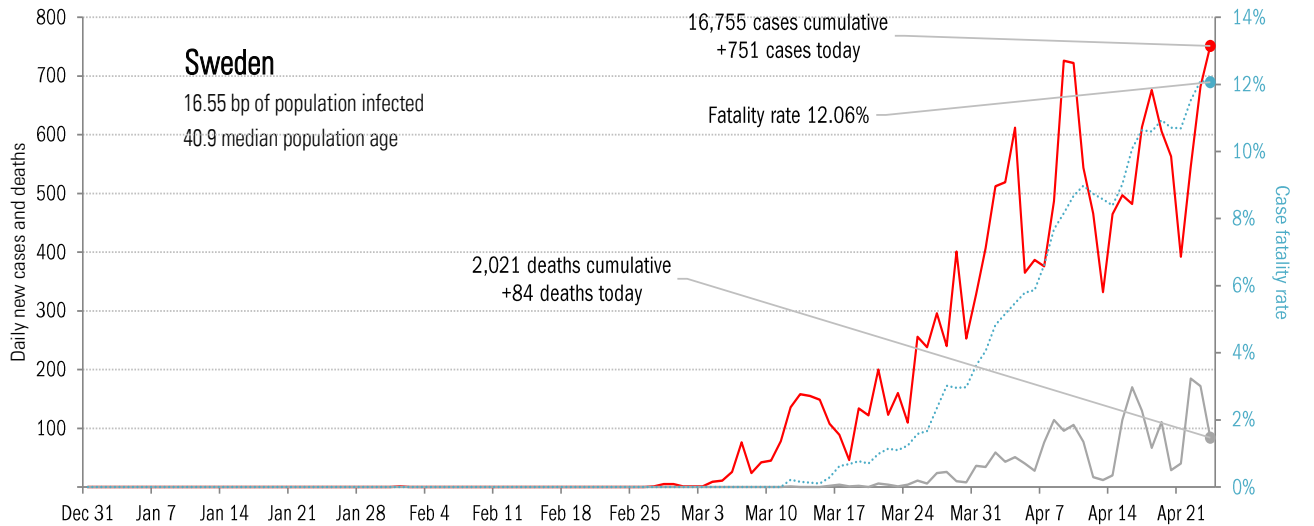
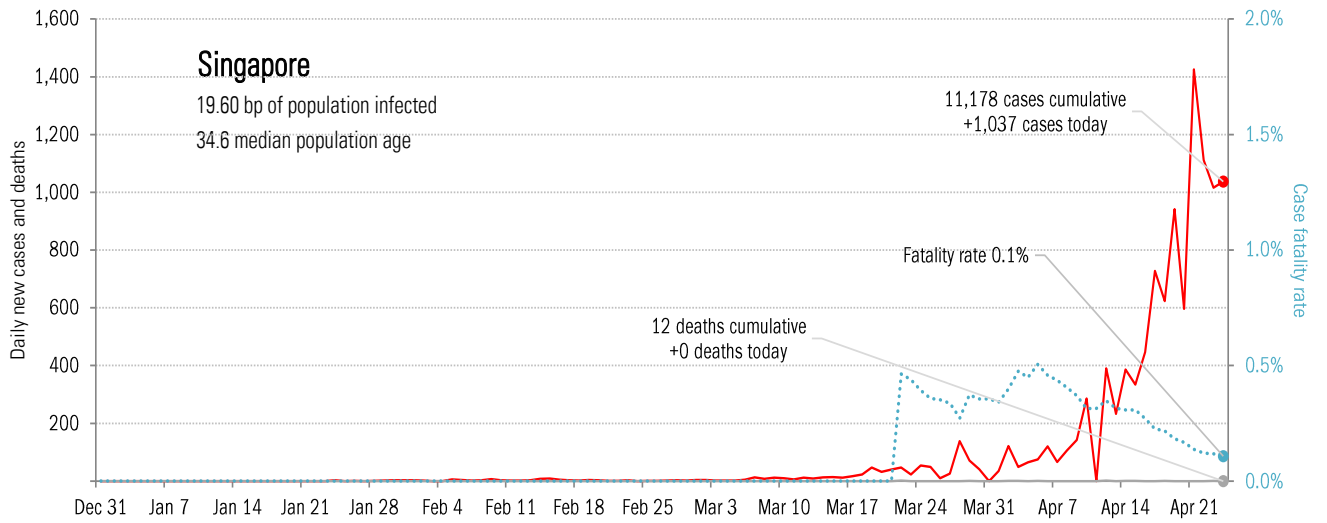
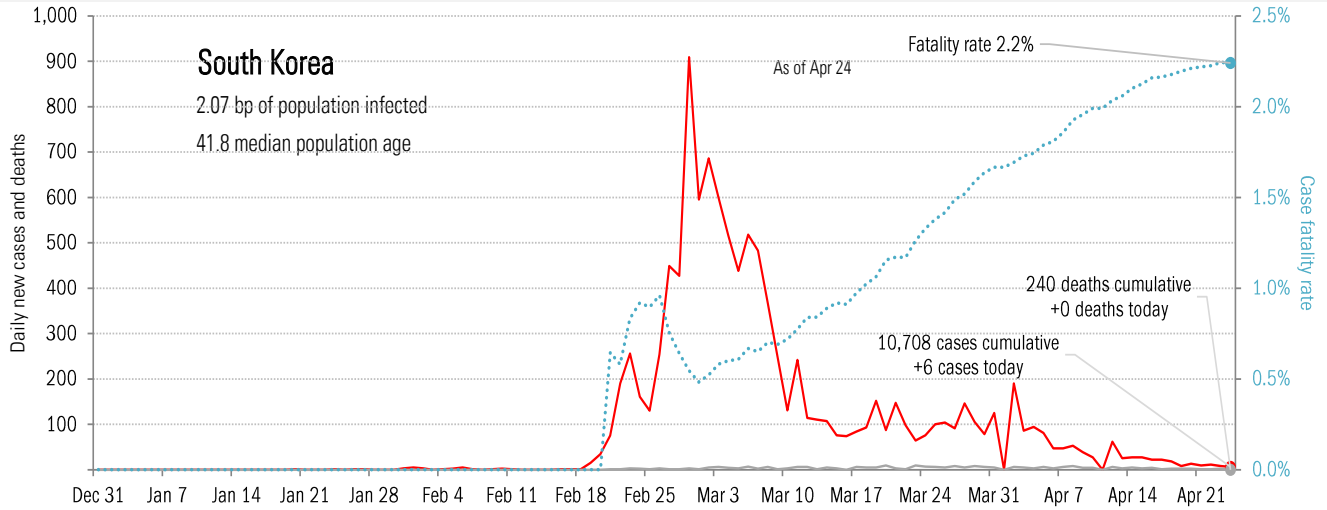
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



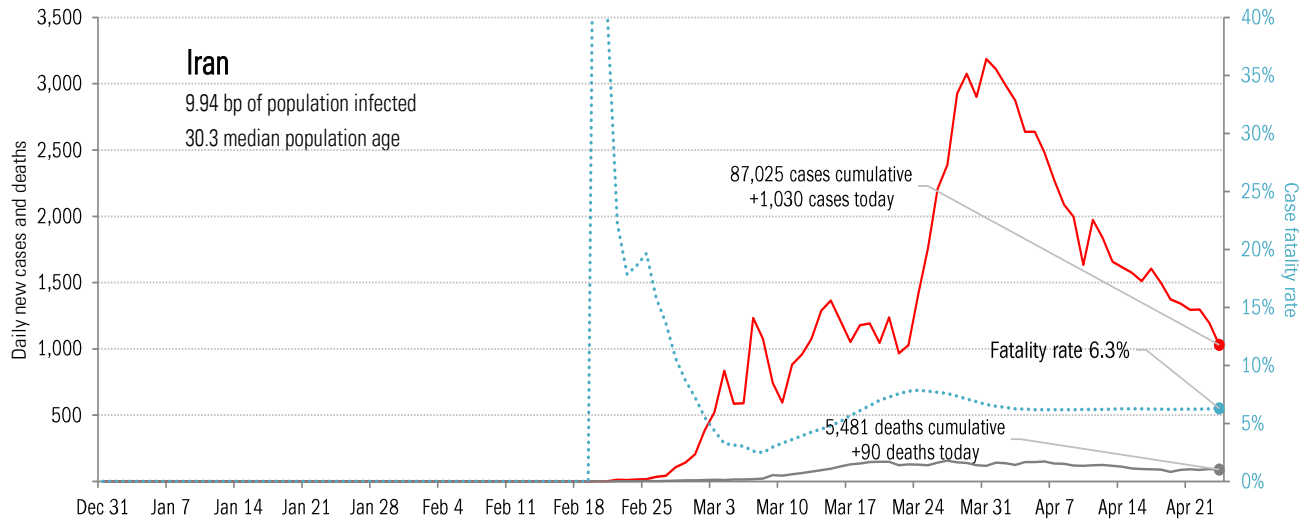
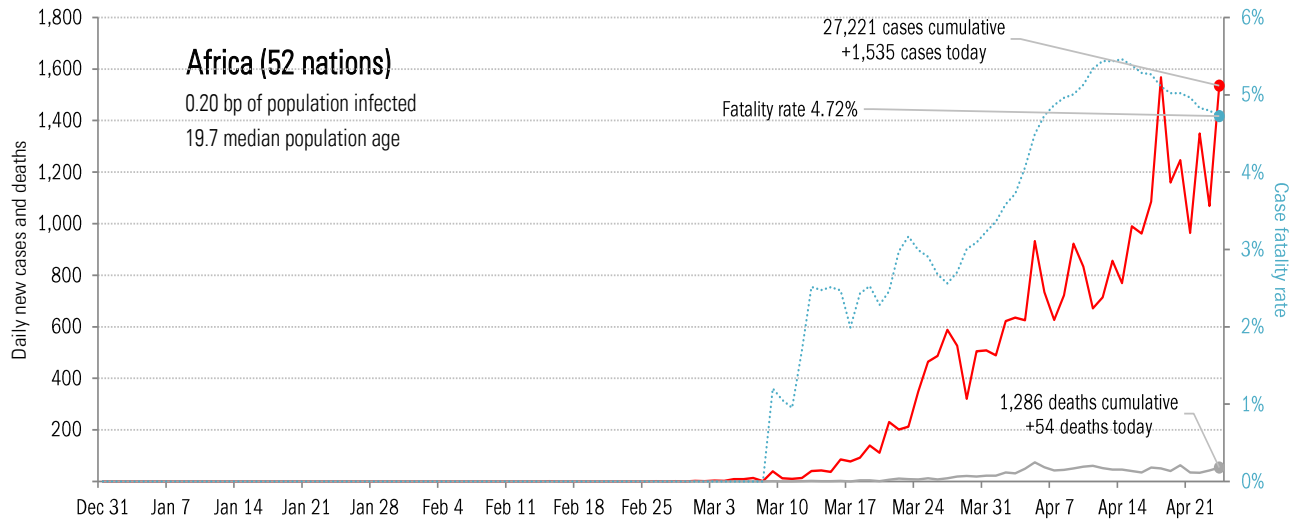
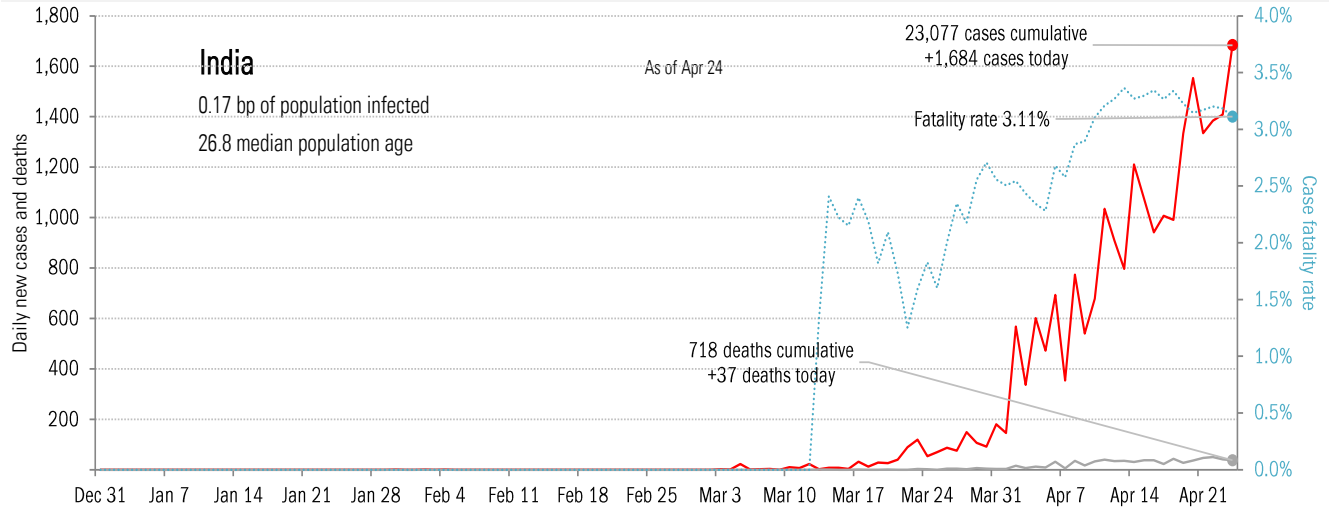
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

Impact in the fragile emerging world



Source: [ECDC](#), TrendMacro calculations