

Data Insights: Covid-2019 Monitor

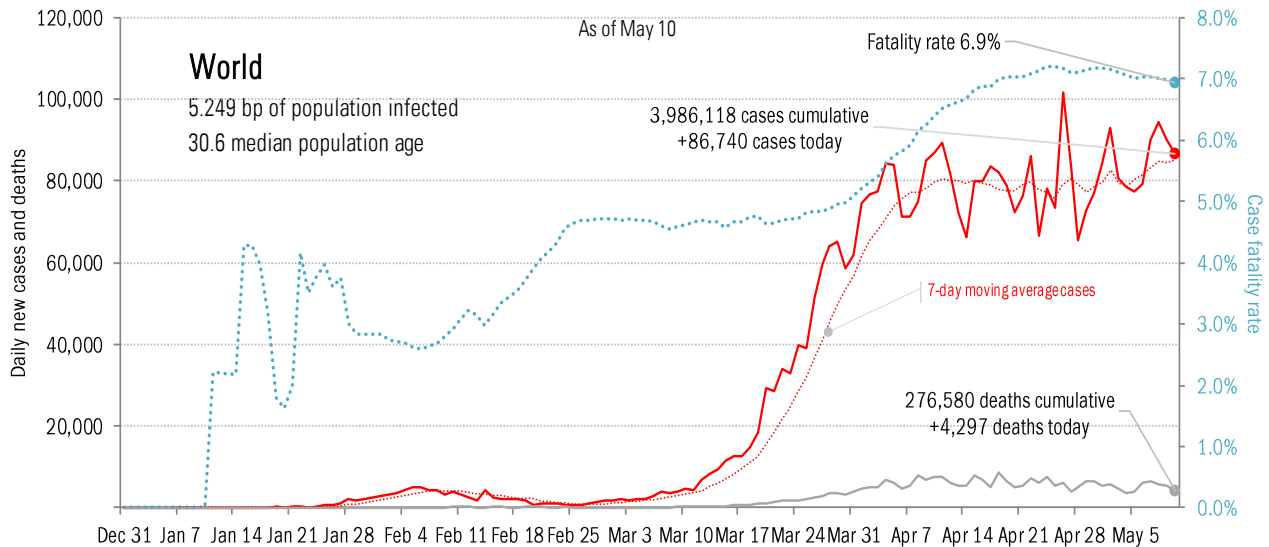
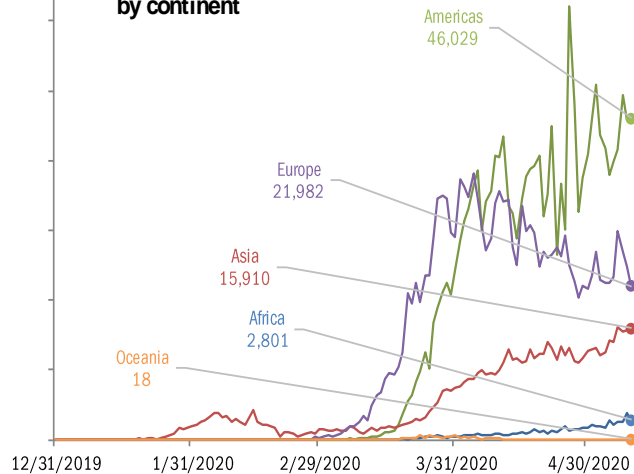
Sunday, May 10, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+25,612	US	+1,614
Russia	+10,817	Brazil	+730
Brazil	+10,611	UK	+346
UK	+3,896	Italy	+194
India	+3,277	Mexico	+193
Peru	+3,168	India	+128
Pakistan	+1,991	Canada	+124
Mexico	+1,938	Russia	+104
Saudi	+1,704	Peru	+100
Turkey	+1,546	France	+80
+64,560		+3,613	
World	+86,740	World	+4,297
Top ten	74%	Top ten	84%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

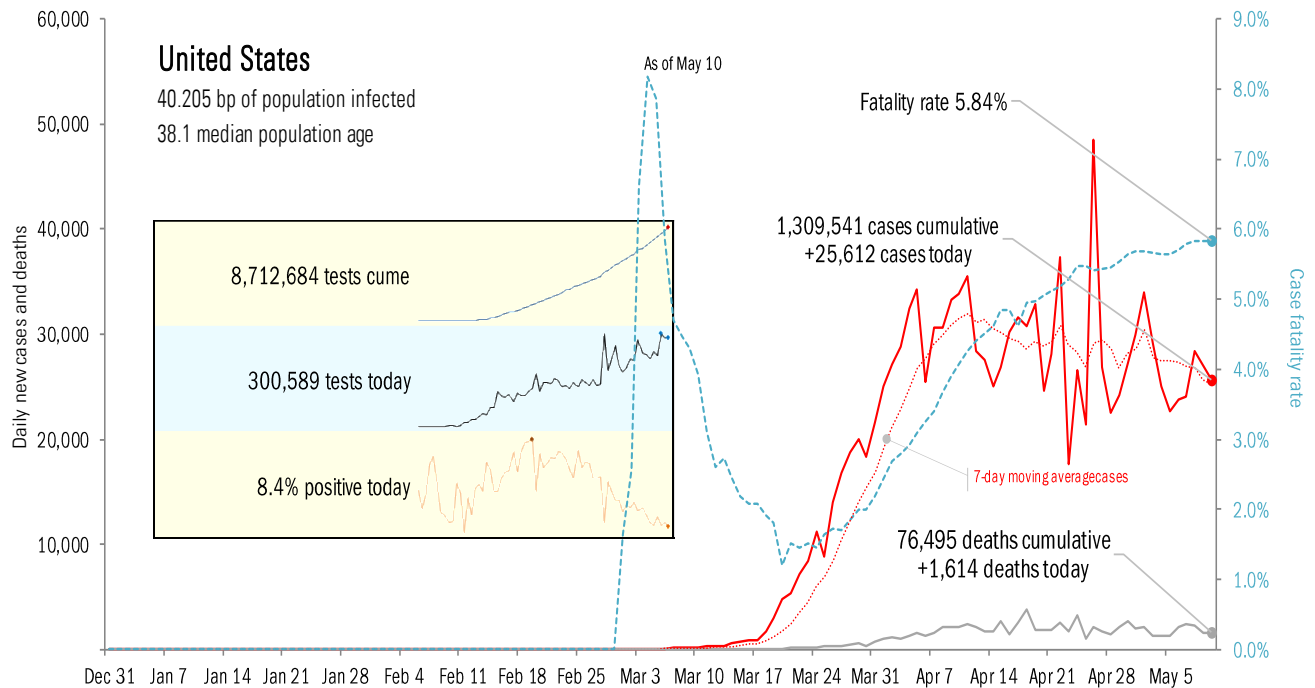
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
NY	+2,715	NY	+226	WA	+3,450	NY	333,122	NY	21,271	NY	72,255
IL	+2,325	NJ	+164	NY	+576	NJ	137,085	NJ	9,116	CT	9,389
CA	+2,049	MA	+138	FL	+168	MA	76,743	MA	4,840	MA	7,551
NJ	+1,631	MI	+133	MD	+121	IL	76,085	MI	4,526	FL	7,325
MA	+1,410	IL	+108	MA	+117	CA	64,561	PA	3,688	GA	5,987
TX	+1,251	CA	+93	SC	+100	PA	55,316	IL	3,349	MD	5,932
PA	+1,078	PA	+72	VA	+95	MI	46,756	CT	2,932	VA	4,717
MD	+1,049	CT	+58	OH	+82	FL	40,001	CA	2,678	IN	4,389
VA	+854	MD	+54	MN	+63	TX	37,860	LA	2,267	OH	4,300
FL	+802	FL	+47	GA	+52	CT	32,984	FL	1,785	CO	3,600
+15,164		+1,093		+4,824		900,513		56,452		125,445	
All states	+25,179	All states	+1,529	All states	+5,175	All states	1,301,095	All states	73,291	All states	147,212
Top ten	60%	Top ten	71%	Top ten	93%	Top ten	69%	Top ten	77%	Top ten	85%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CO	-945	PA	-128	IN	-4,389	MI	+7,027
IL	-562	AZ	-52	CO	-528	TX	+944
MI	-250	CO	-41	VA	-89	AZ	+937
PA	-245	VA	-28	MA	-80	AR	+809
GA	-241	FL	-24	KY	-56	NY	+802



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

Recommended reading

[A New Coronavirus Threat to Children](#)

Pam Belluck
New York Times
May 8, 2020

[Formal Talks Paused on Next Stimulus Package, Trump Economic Adviser Larry Kudlow Says](#)

Andrew Restuccia and Natalie Andrews
Wall Street Journal
May 8, 2020

[After Recovery From the Coronavirus, Most People Carry Antibodies](#)

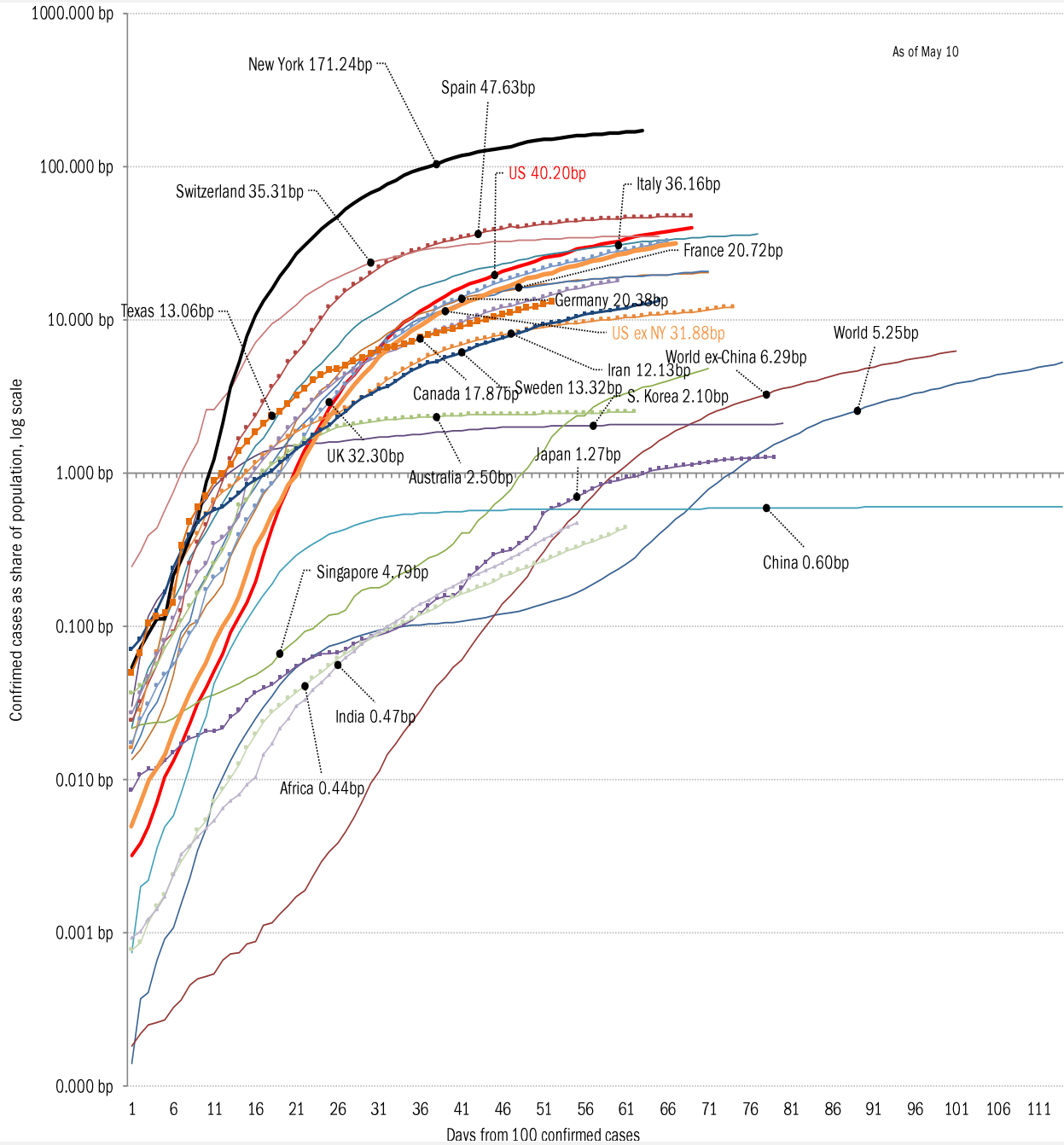
Apoorva Mandavilli
New York Times
May 7, 2020

Meme of the day



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

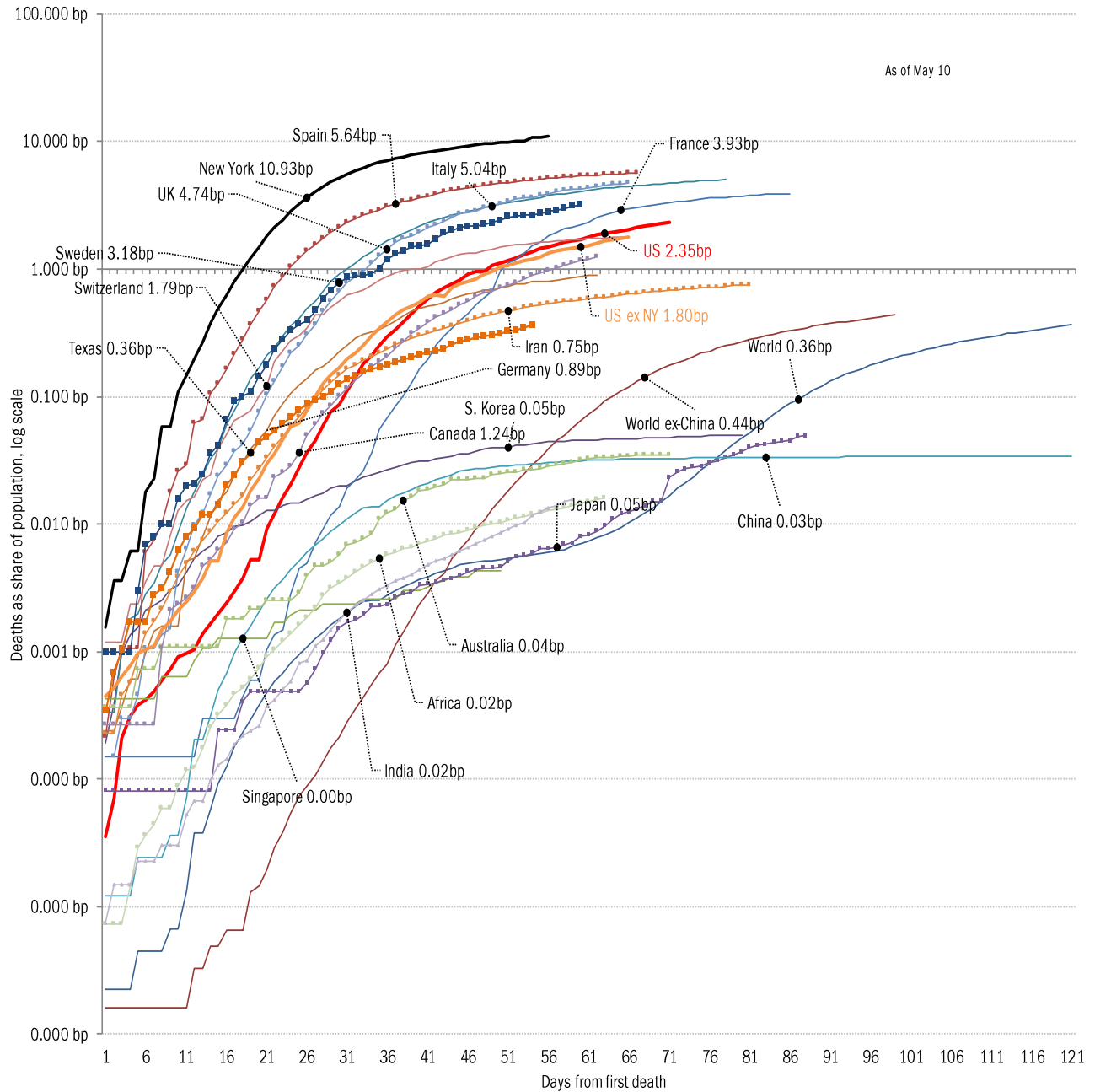
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality



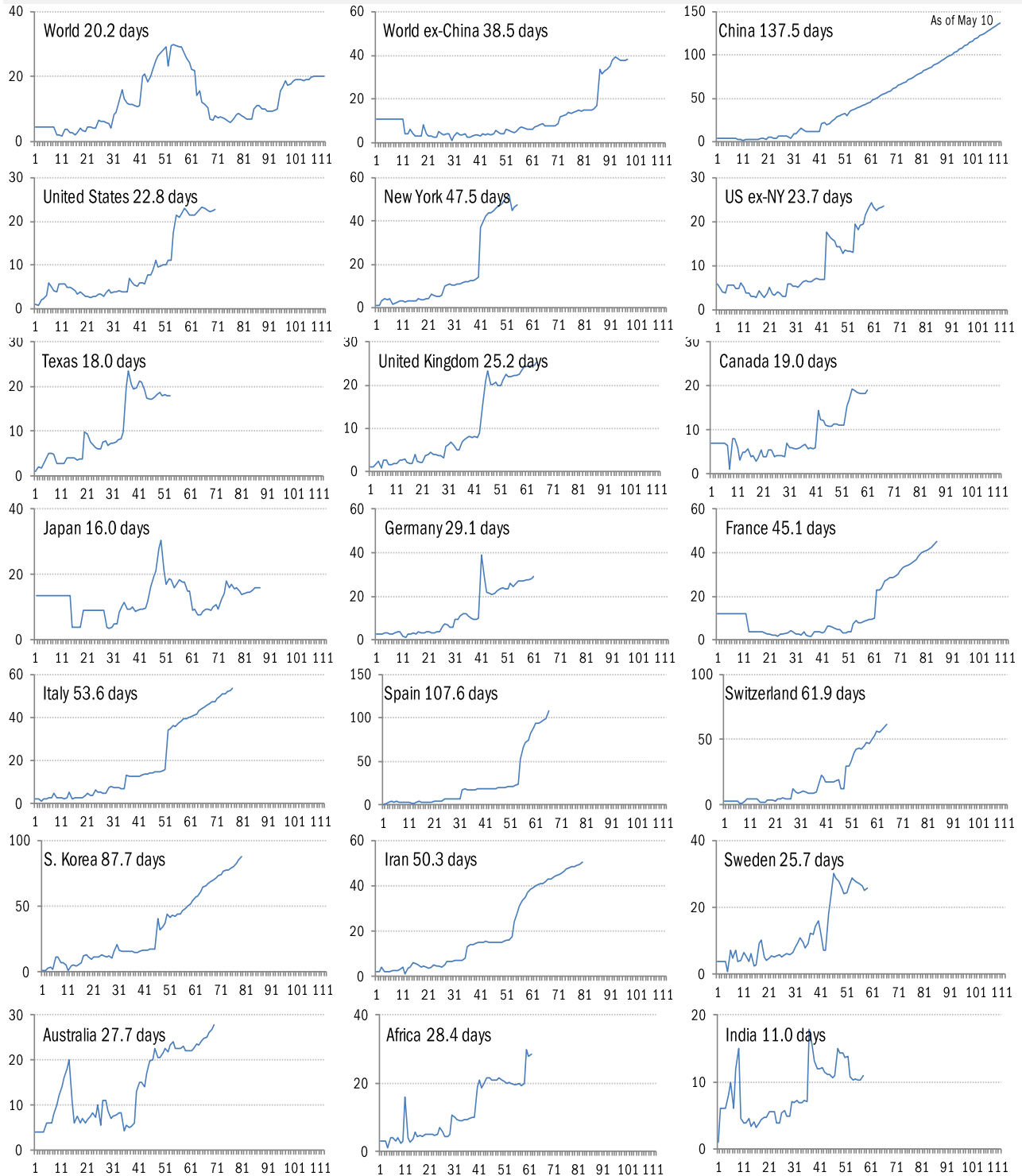
Source: [ECDC](#), TrendMacro calculations

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

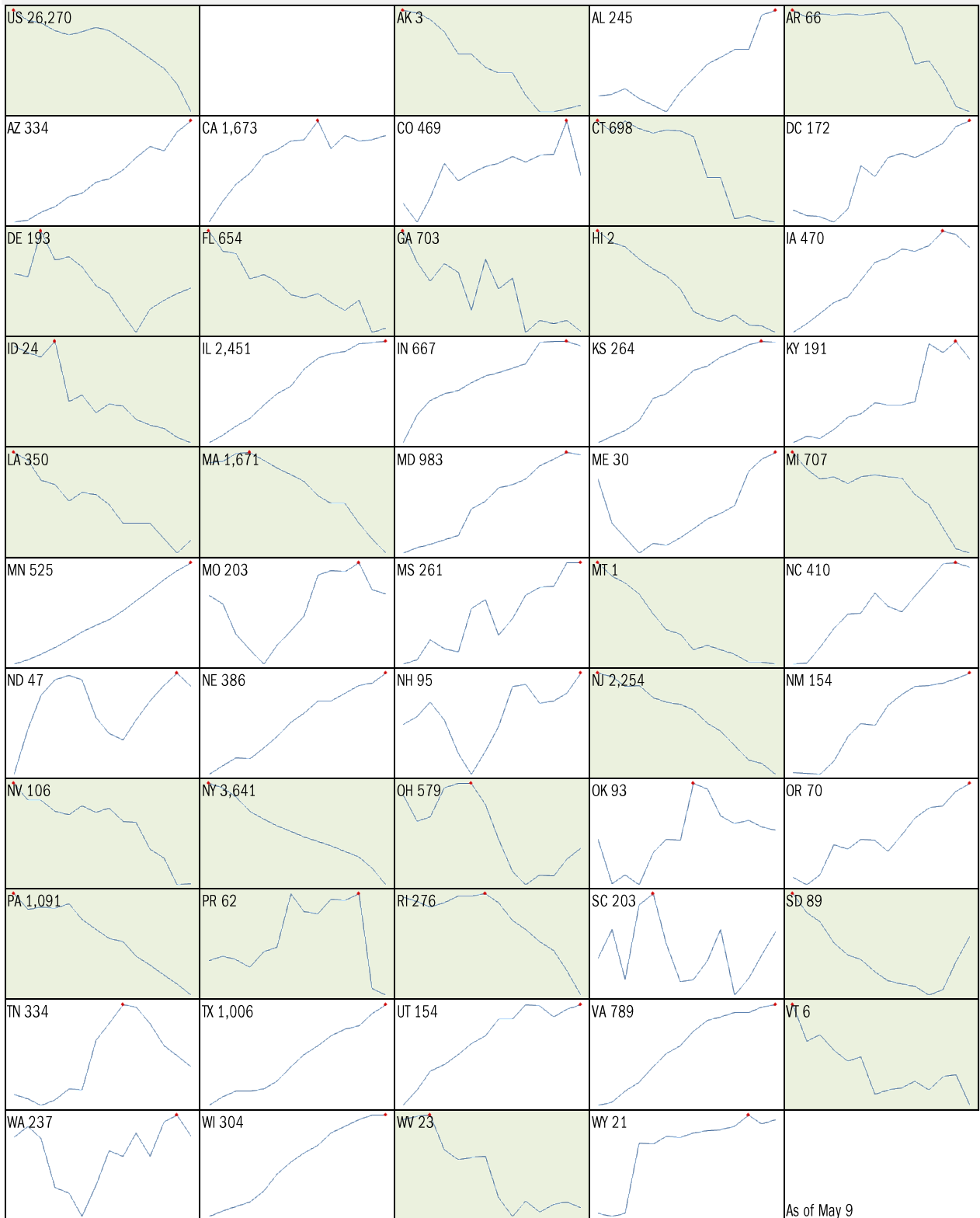
Progress means seeing the line move up and to the right. . .

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



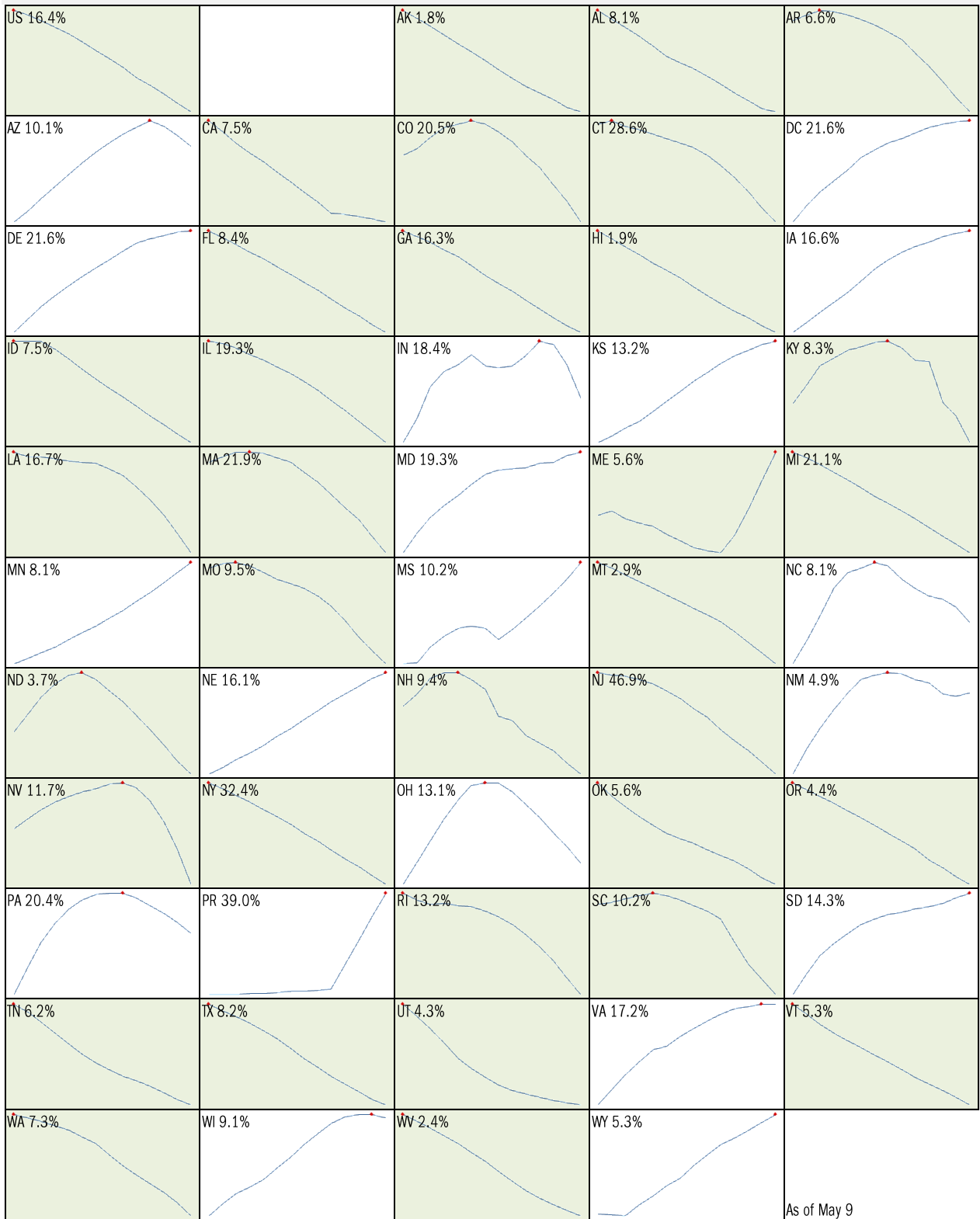
Source: [ECDC](#), TrendMacro calculations

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



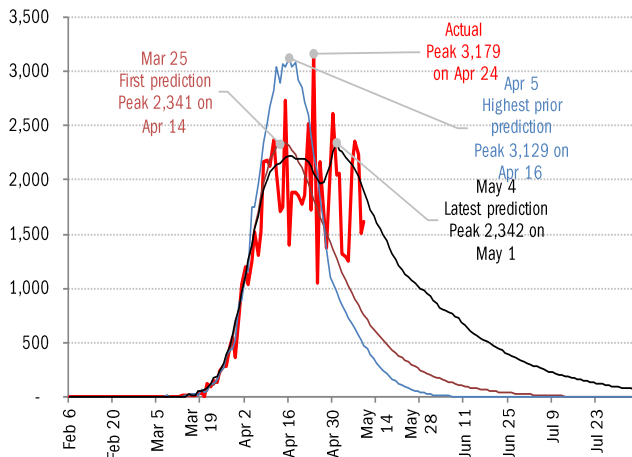
Source: [Covid Tracking Project](#), TrendMacro calculations

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

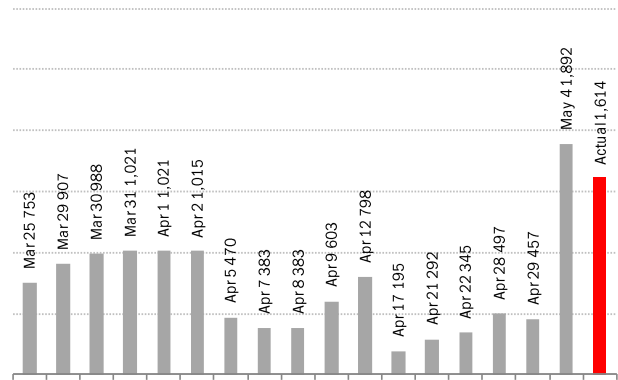
New daily fatalities

As of May 10

Actual versus first, highest and latest model mean predictions

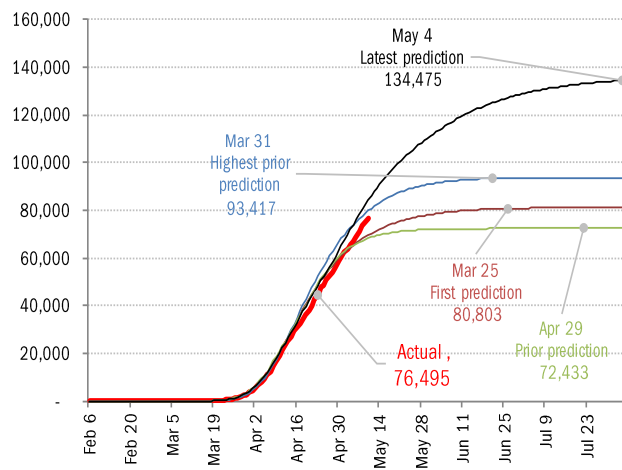


For this day, versus all model mean predictions

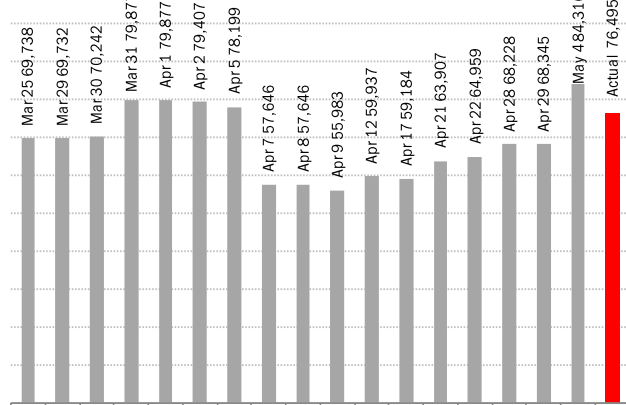


Cumulative fatalities

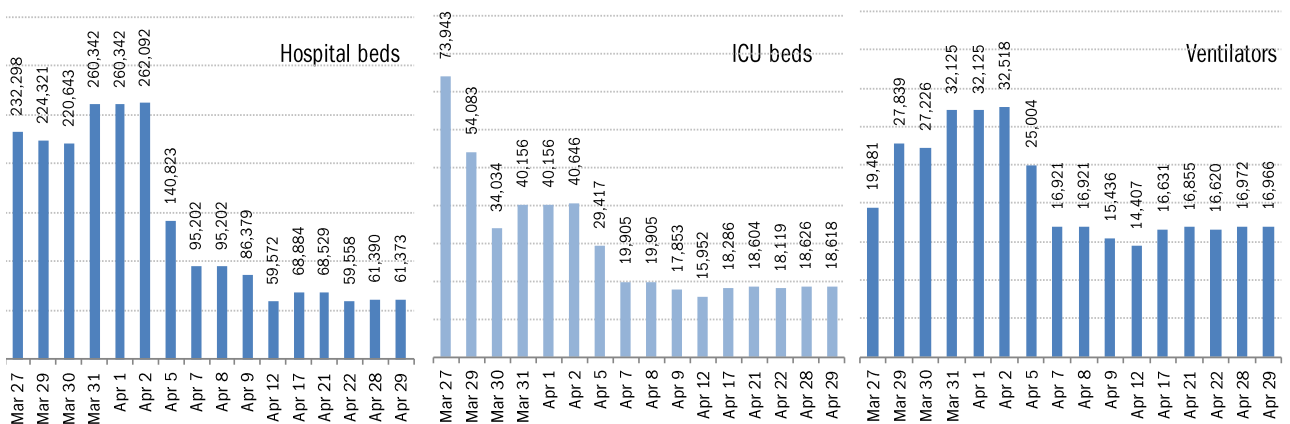
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

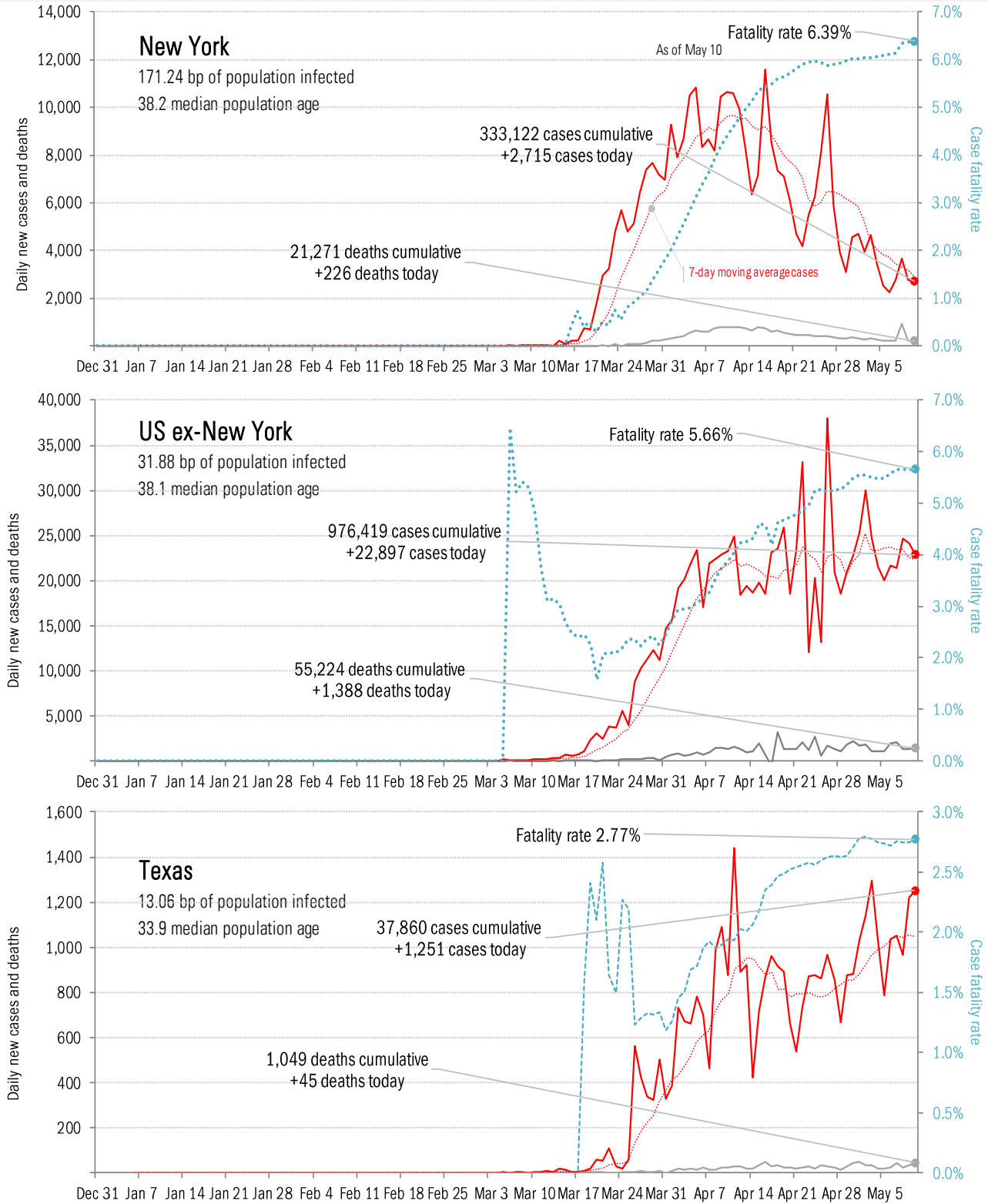


Healthcare system stress, peak estimated at each model revision



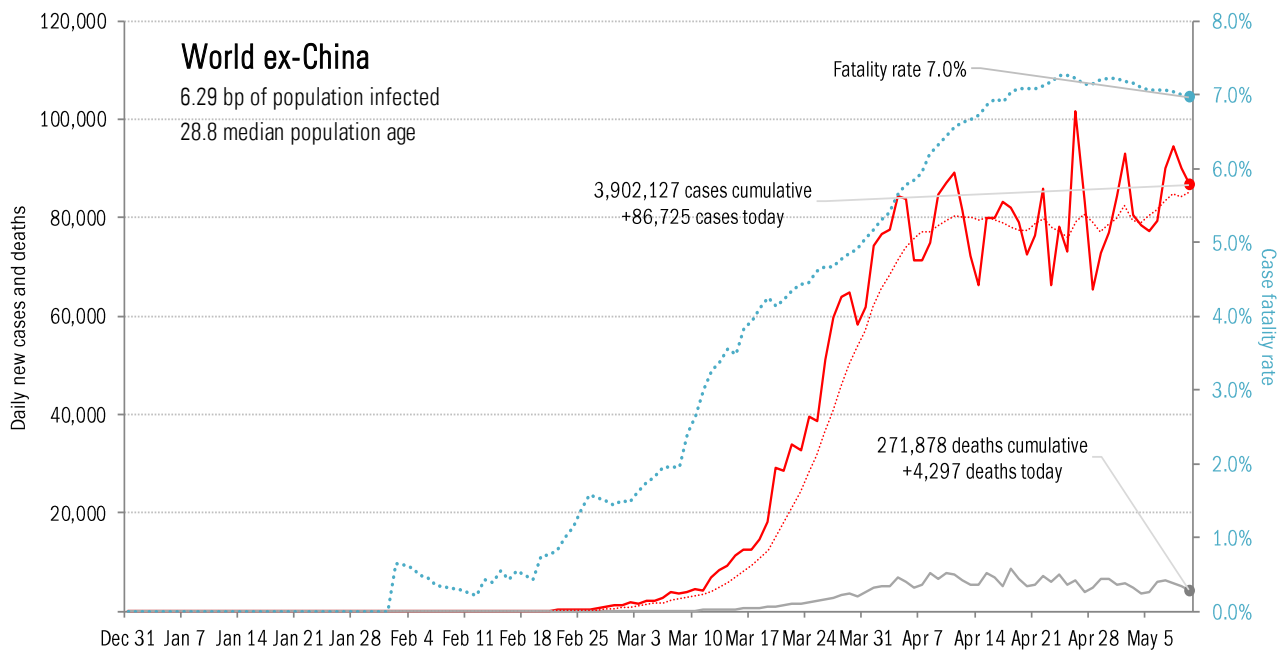
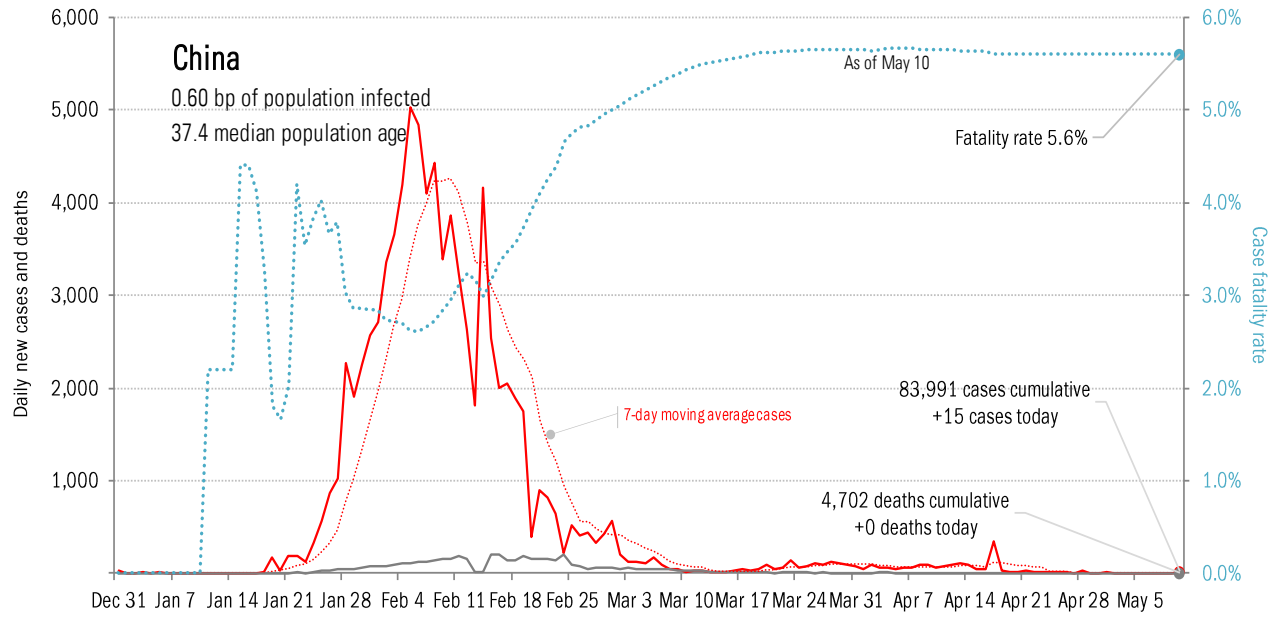
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



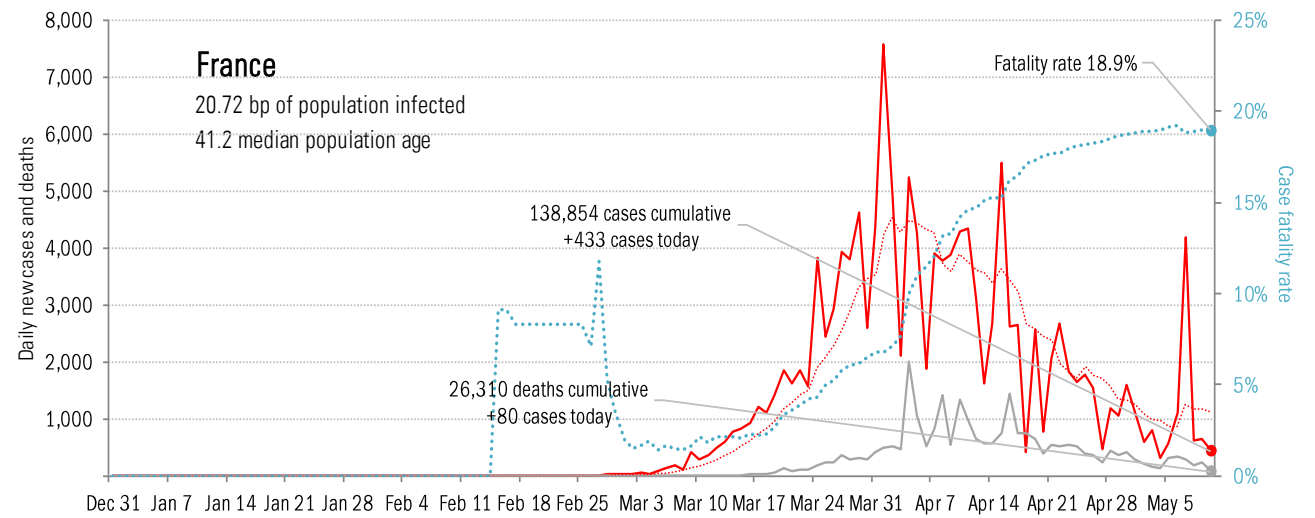
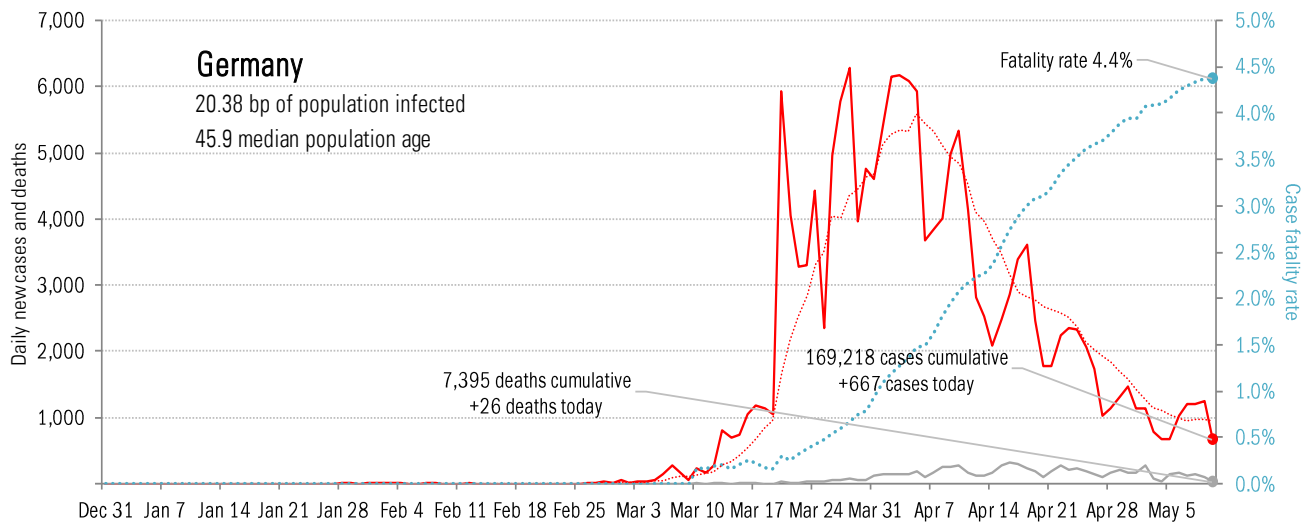
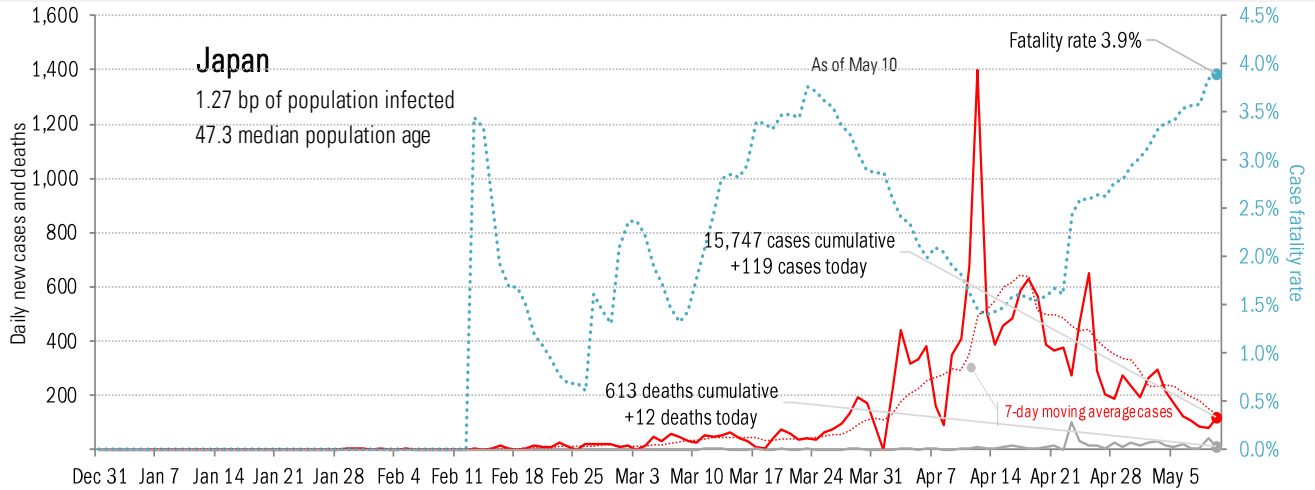
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



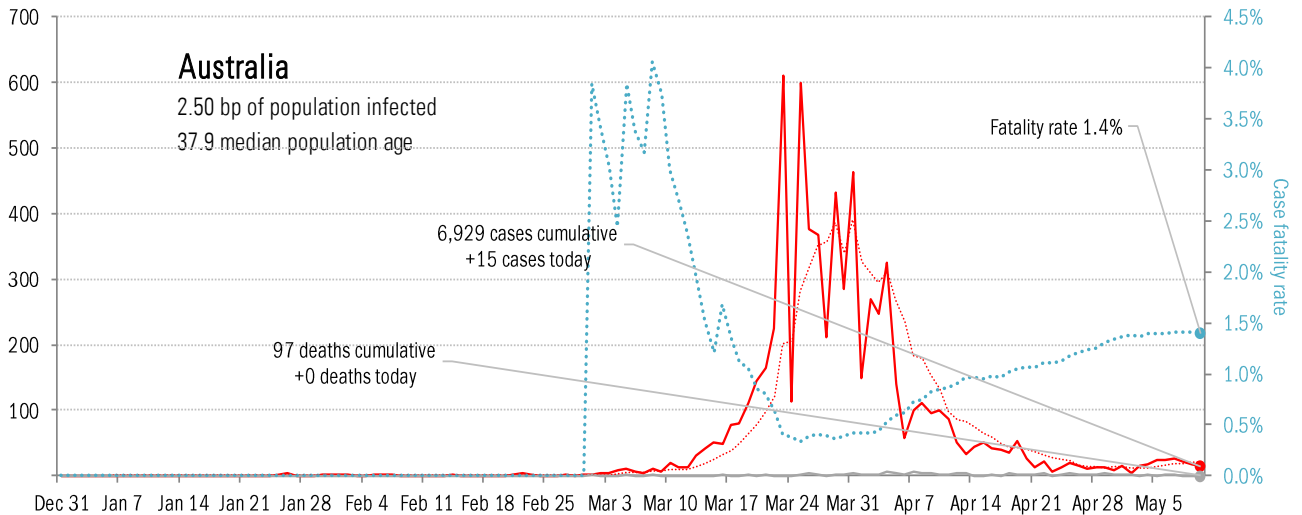
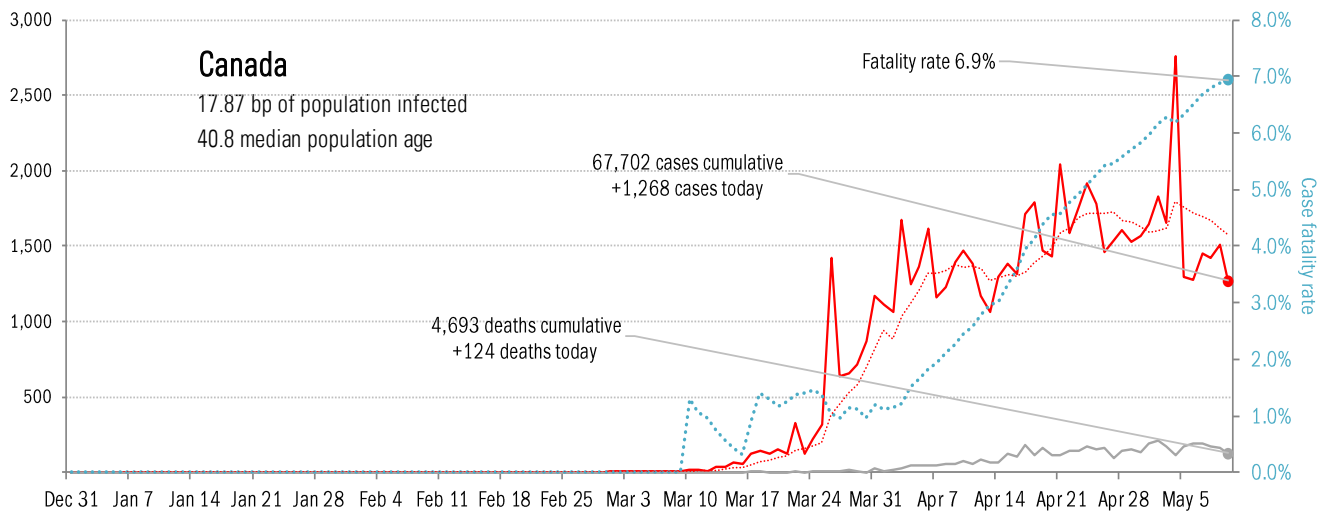
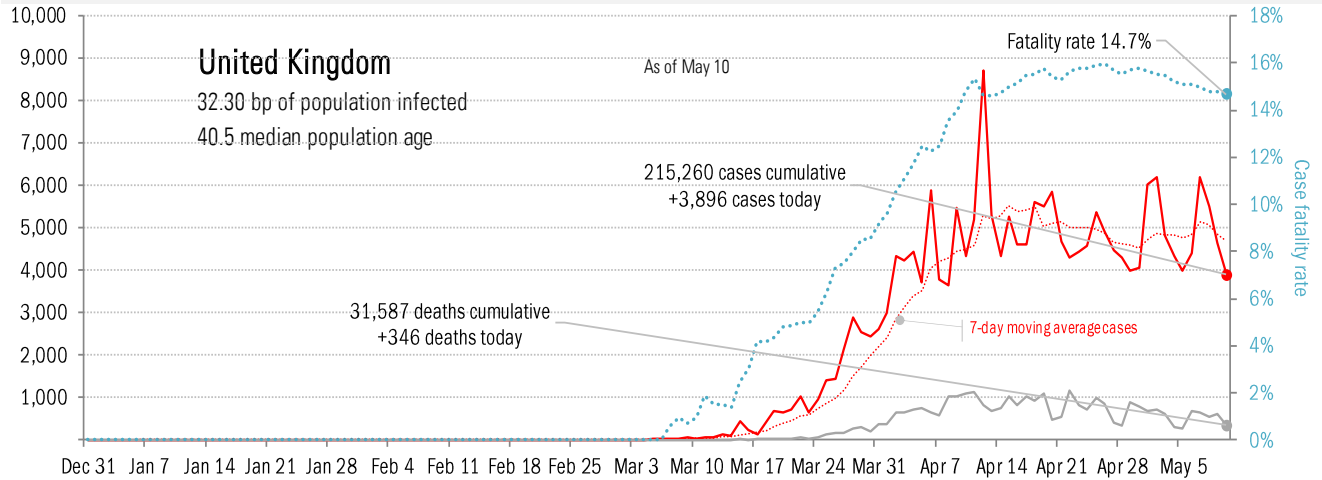
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



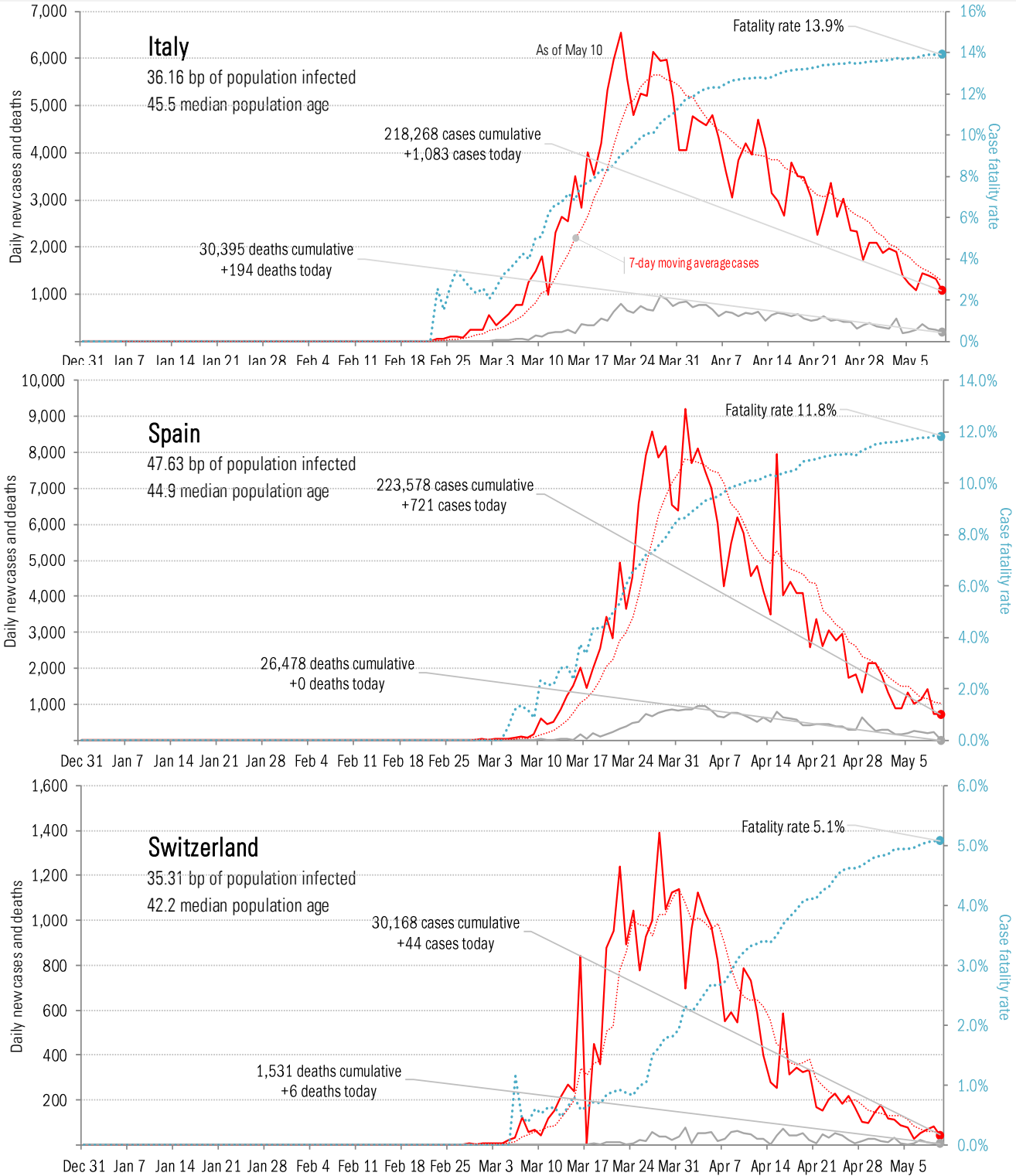
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



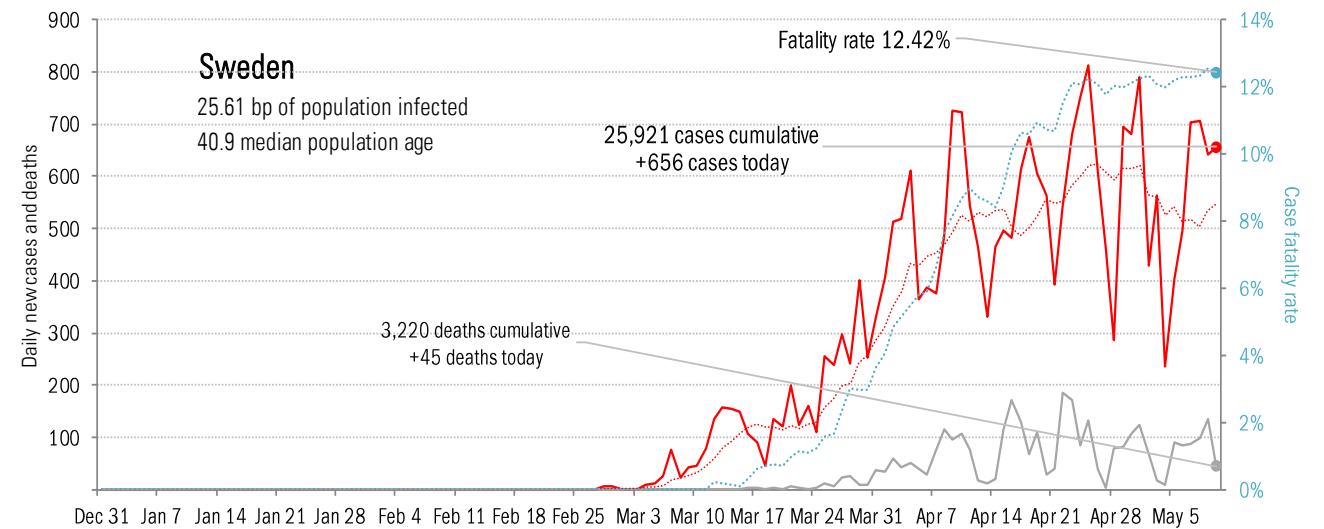
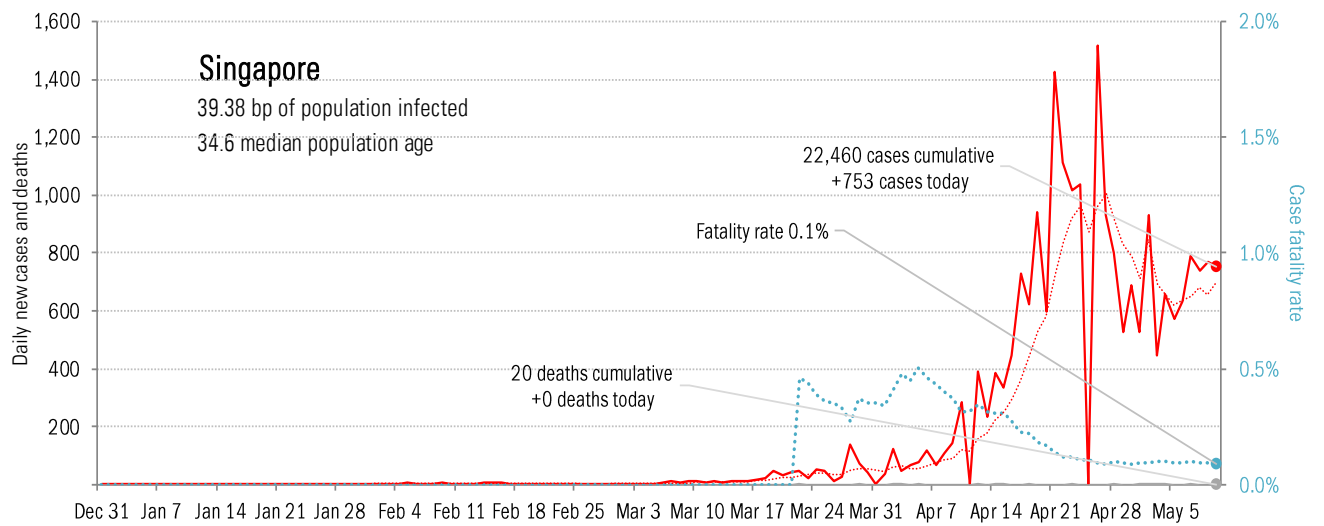
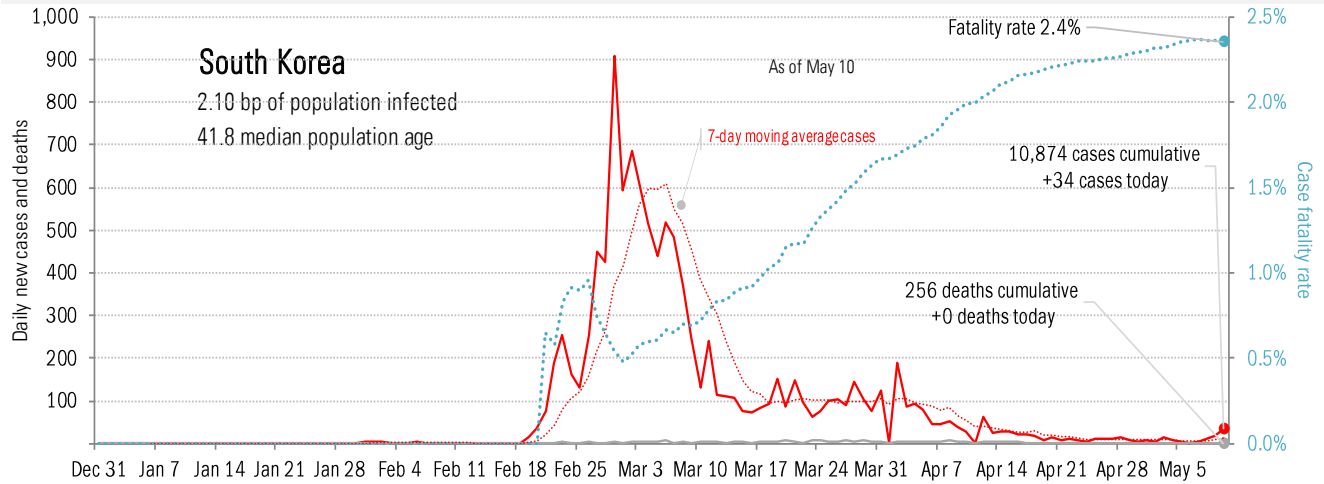
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



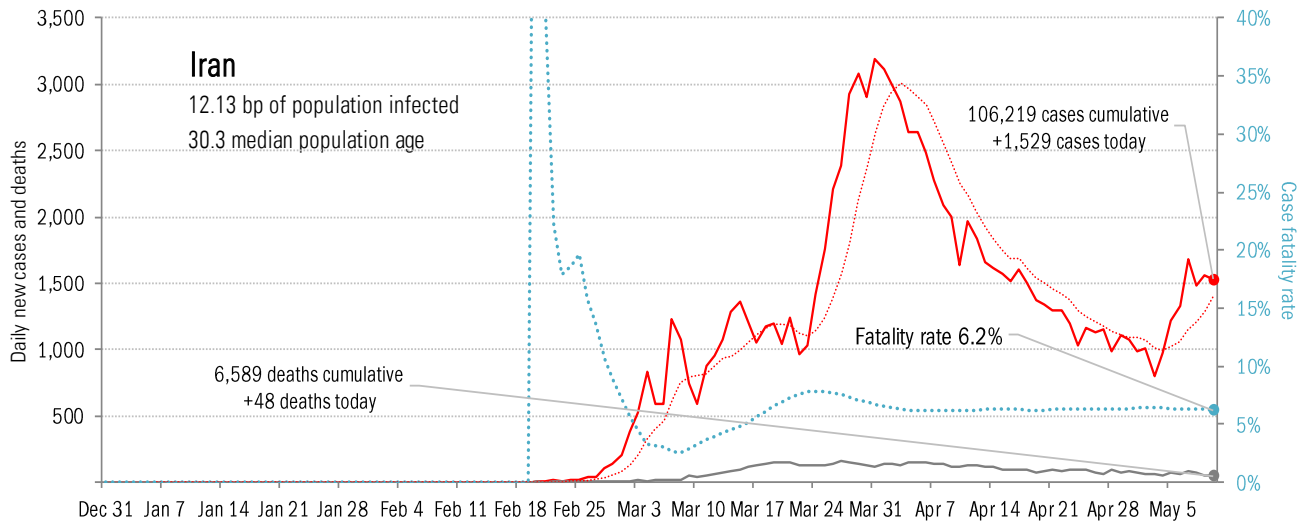
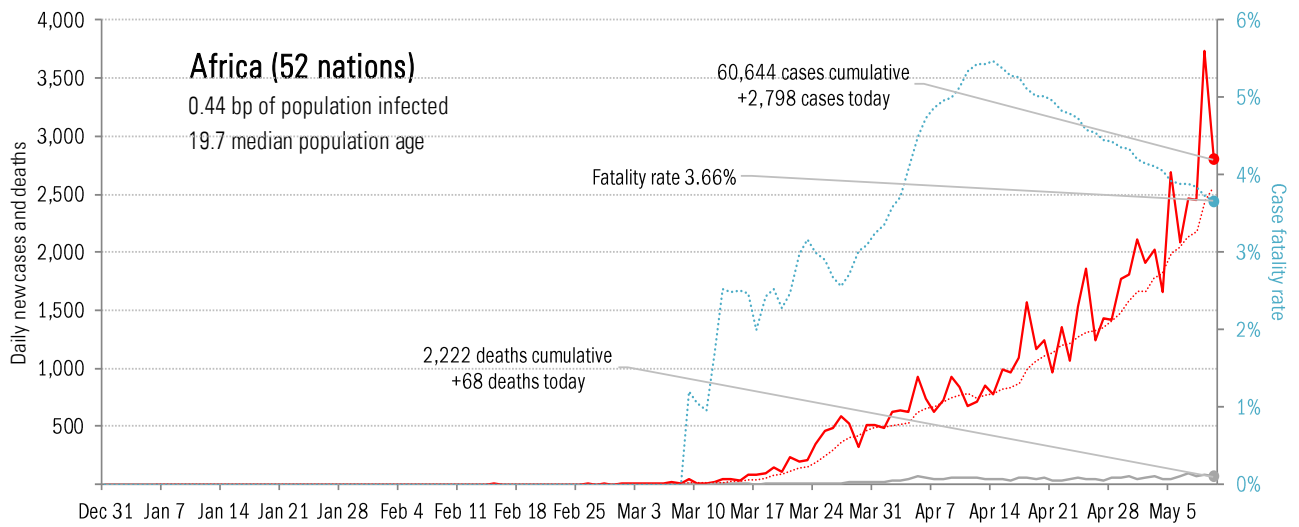
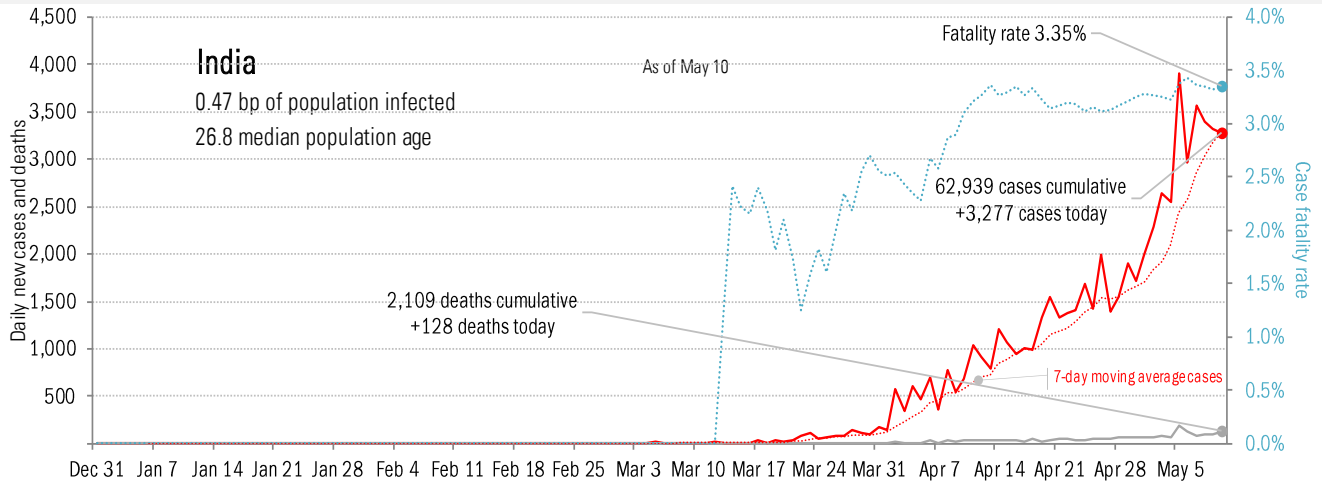
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

Impact in the fragile emerging world



Source: [ECDC](#), TrendMacro calculations