

Data Insights: Covid-2019 Monitor

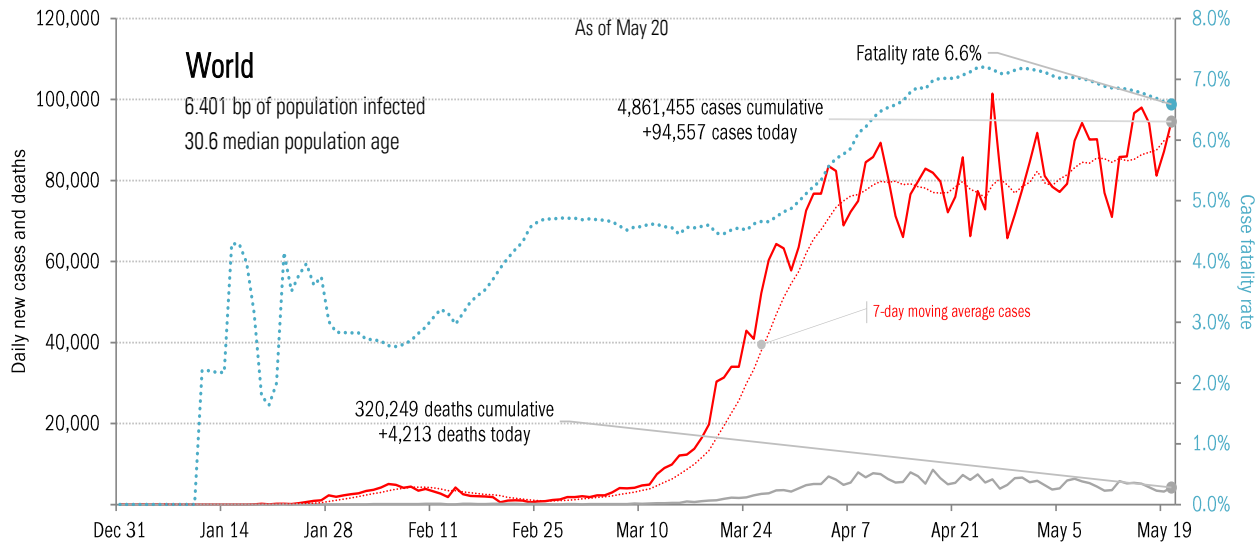
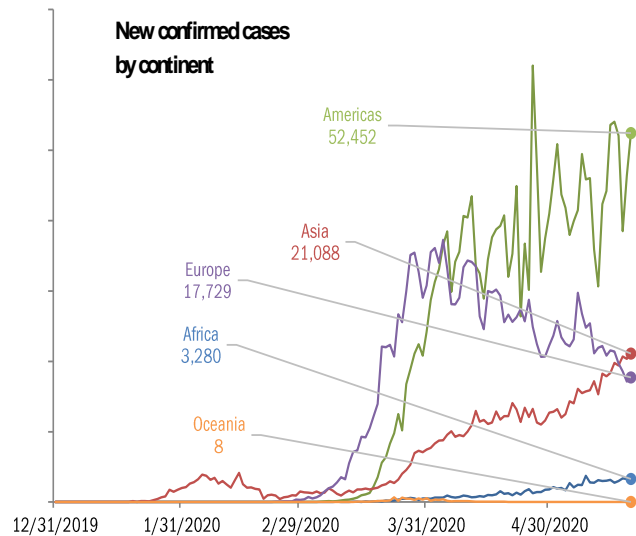
Wednesday, May 20, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+19,970	US	+1,568
Brazil	+17,408	Brazil	+616
Russia	+9,263	UK	+545
India	+5,611	Mexico	+334
Peru	+4,550	Italy	+162
Chile	+3,520	India	+140
Mexico	+2,713	Peru	+125
Saudi	+2,509	Russia	+115
UK	+2,412	Germany	+83
Iran	+2,111	Canada	+70
+70,067		+3,758	
World	+94,557	World	+4,213
Top ten	74%	Top ten	89%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

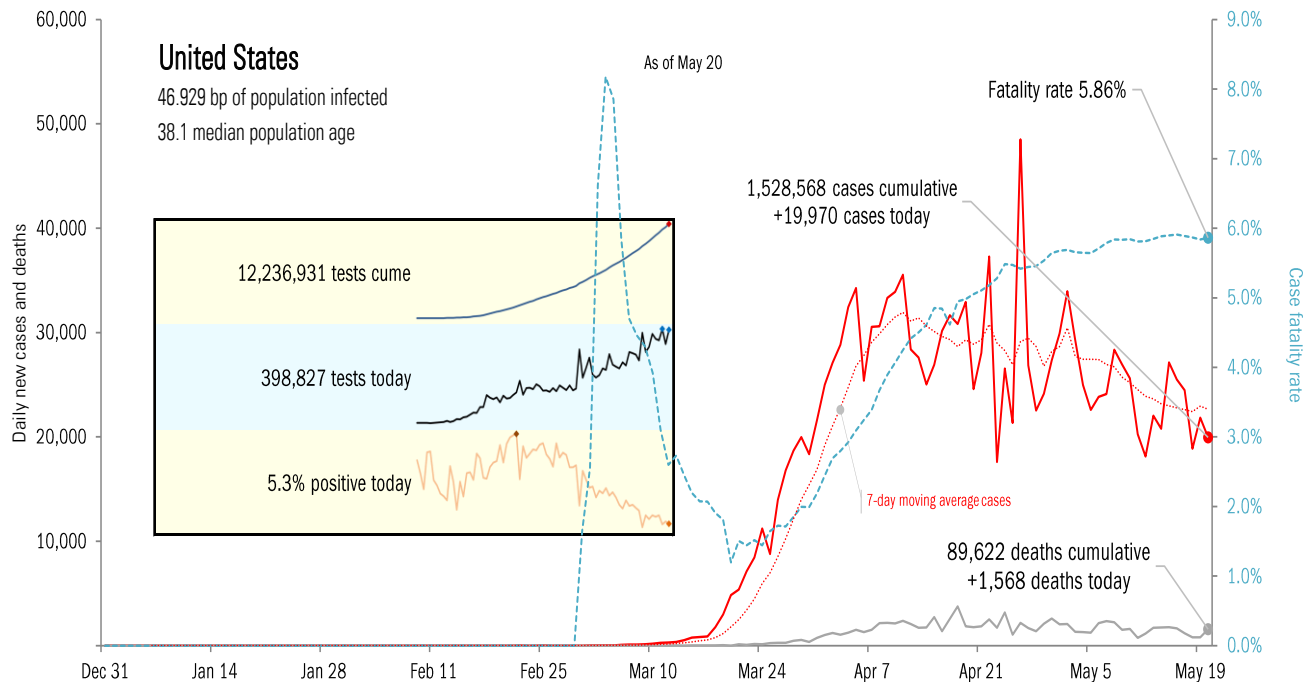
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cure cases		Cure deaths		Cure in hospital	
MA	+1,915	NJ	+151	NY	+298	NY	352,845	NY	22,843	NY	76,168
MD	+1,784	IL	+145	MA	+227	NJ	149,013	NJ	10,586	CT	10,946
IL	+1,545	MA	+141	FL	+191	IL	98,030	MA	5,938	MA	8,766
NY	+1,474	PA	+119	VA	+159	MA	87,925	MI	5,017	FL	8,744
CA	+1,365	NY	+114	OH	+119	CA	81,795	PA	4,624	MD	7,199
TX	+1,219	MI	+102	MD	+113	PA	63,666	IL	4,379	GA	7,027
VA	+1,005	CH	+63	GA	+111	MI	52,350	CT	3,472	VA	5,768
NJ	+974	IN	+59	MN	+93	TX	49,912	CA	3,334	OH	5,117
NC	+677	MD	+58	KY	+84	FL	46,944	LA	2,581	IN	4,389
MN	+657	FL	+56	WI	+42	MD	41,546	FL	2,129	CO	3,899
+12,615		+1,008		+1,437		1,024,026		64,903		138,023	
All states	+21,056	All states	+1,430	All states	+1,671	All states	1,520,778	All states	86,070	All states	159,634
Top ten	60%	Top ten	70%	Top ten	86%	Top ten	67%	Top ten	75%	Top ten	86%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
IL	-749	LA	-54	NY	-47	TN	+1,083
NJ	-731	CT	-18	KS	-16	TX	+988
KS	-454	CO	-14	GA	-15	IA	+806
CT	-383	GA	-14	UT	-9	MN	+776
FL	-352	CA	-9	AR	-5	WI	+585



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

Recommended reading

[Illinois Has Most Coronavirus Restrictions In Country: Study](#)

Rebecca Bream (Hughes)
Patch
May 19, 2020

[Our Four Largest States: Compare and Contrast](#)

John Hinderaker
Powerline Blog
May 19, 2020

[Hydroxychloroquine Has about 90 Percent Chance of Helping COVID-19 Patients](#)

Association of American Physicians and Surgeons
April 28, 2020

[Life After Mass Transit – Save Your Life and Drive a Car](#)

Ashby Foote
Bigger Pie Forum
May 18, 2020

[The COVID 'Spike' in Reopened Texas: CNN Gets It Wrong](#)

Sean Trende
Real Clear Politics
May 19, 2020

[Pre-existing and de novo humoral immunity to SARS-CoV-2 in humans](#)

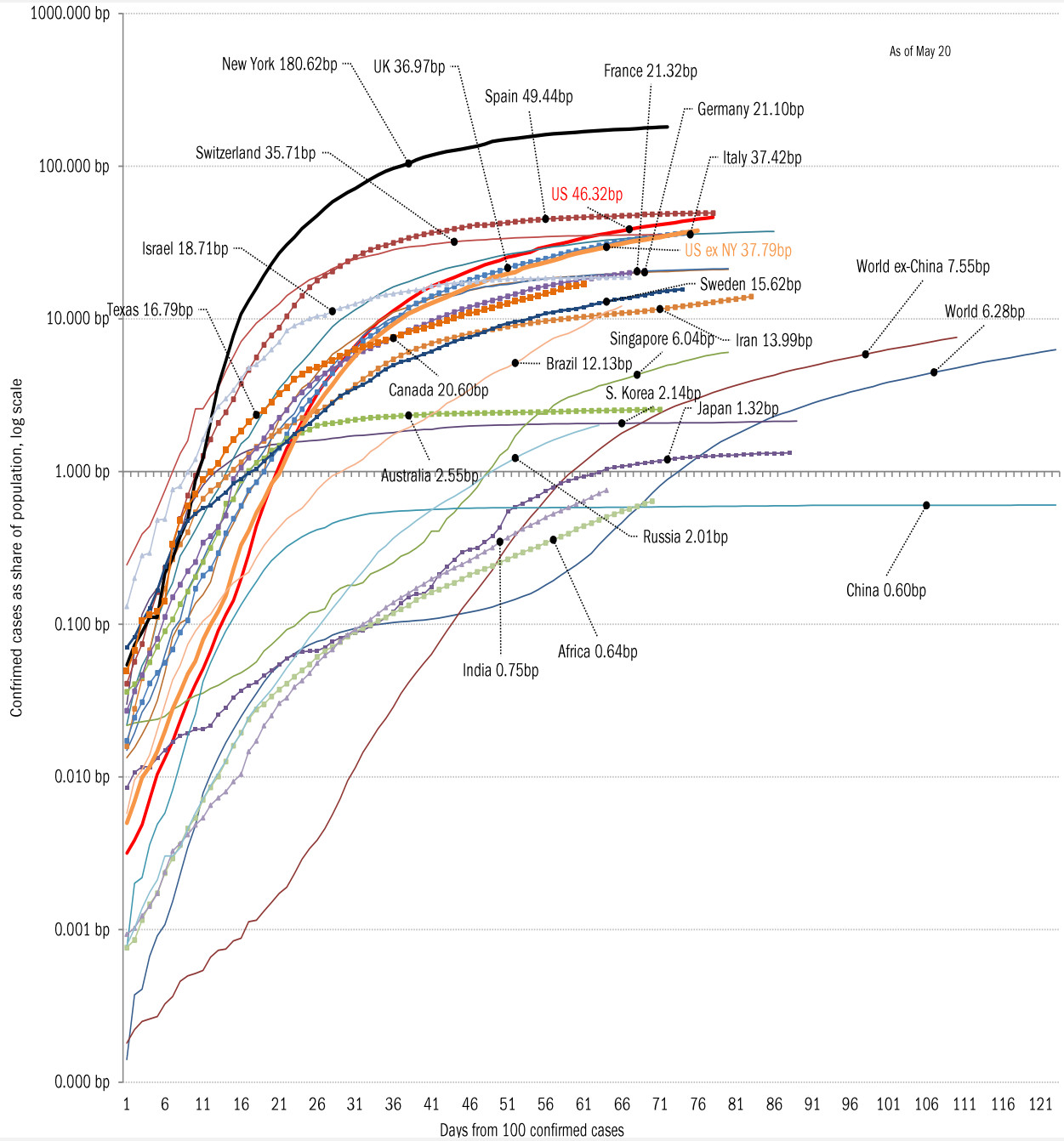
Kevin Ng et al.
medRxiv
May 15, 2020

Meme of the day



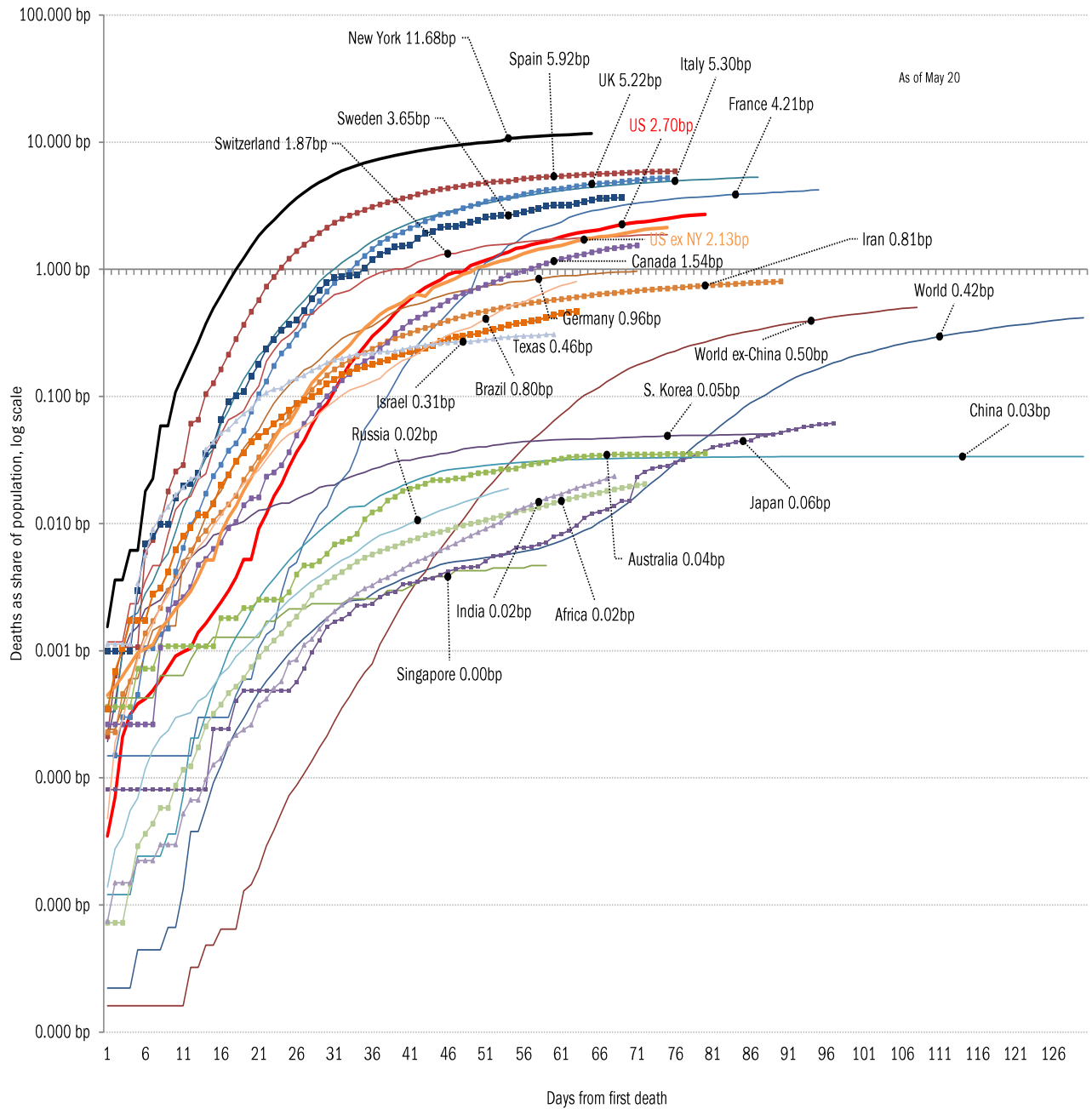
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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

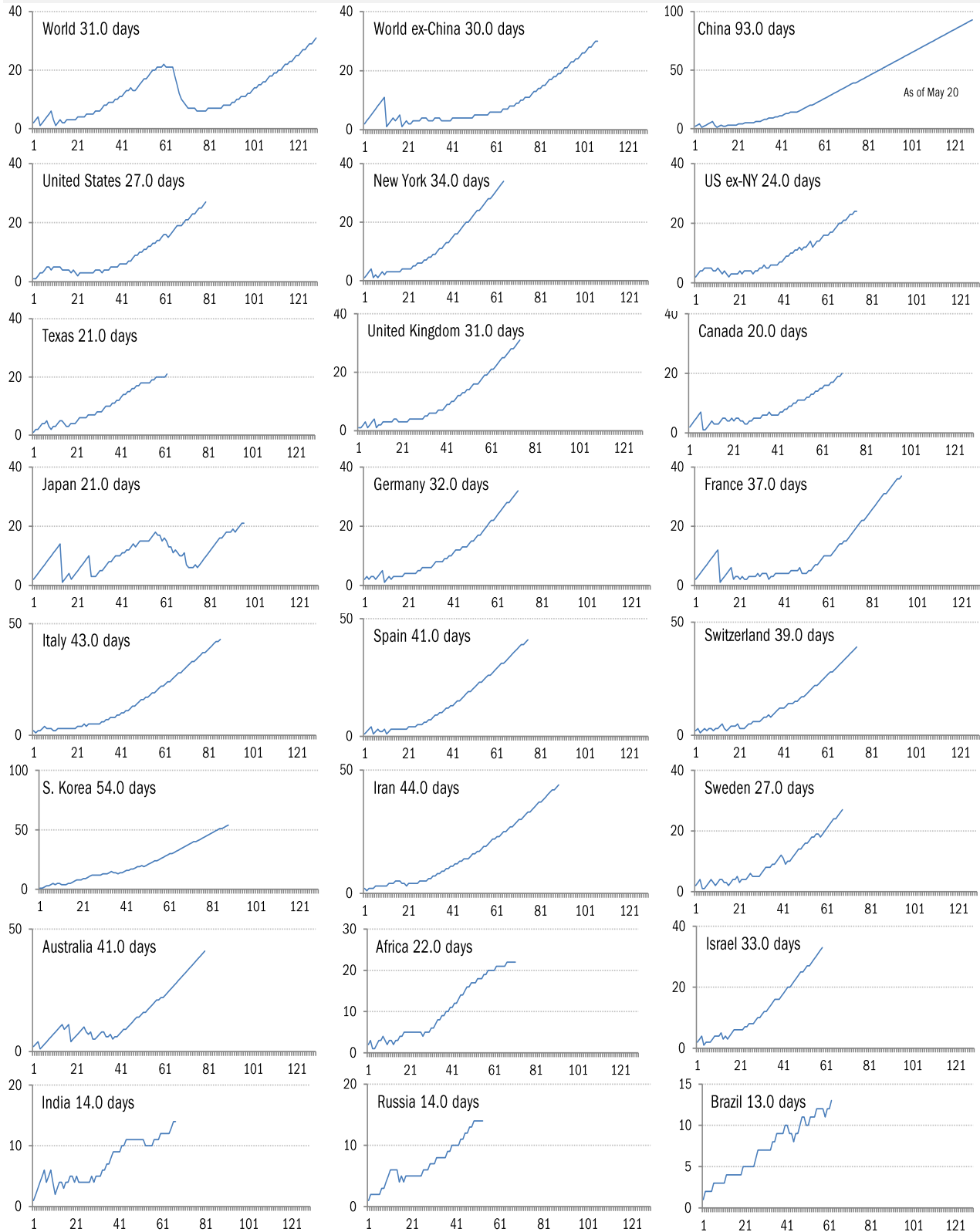
The coronavirus mortality accelerometer ... tracking the world's fatality curves
Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

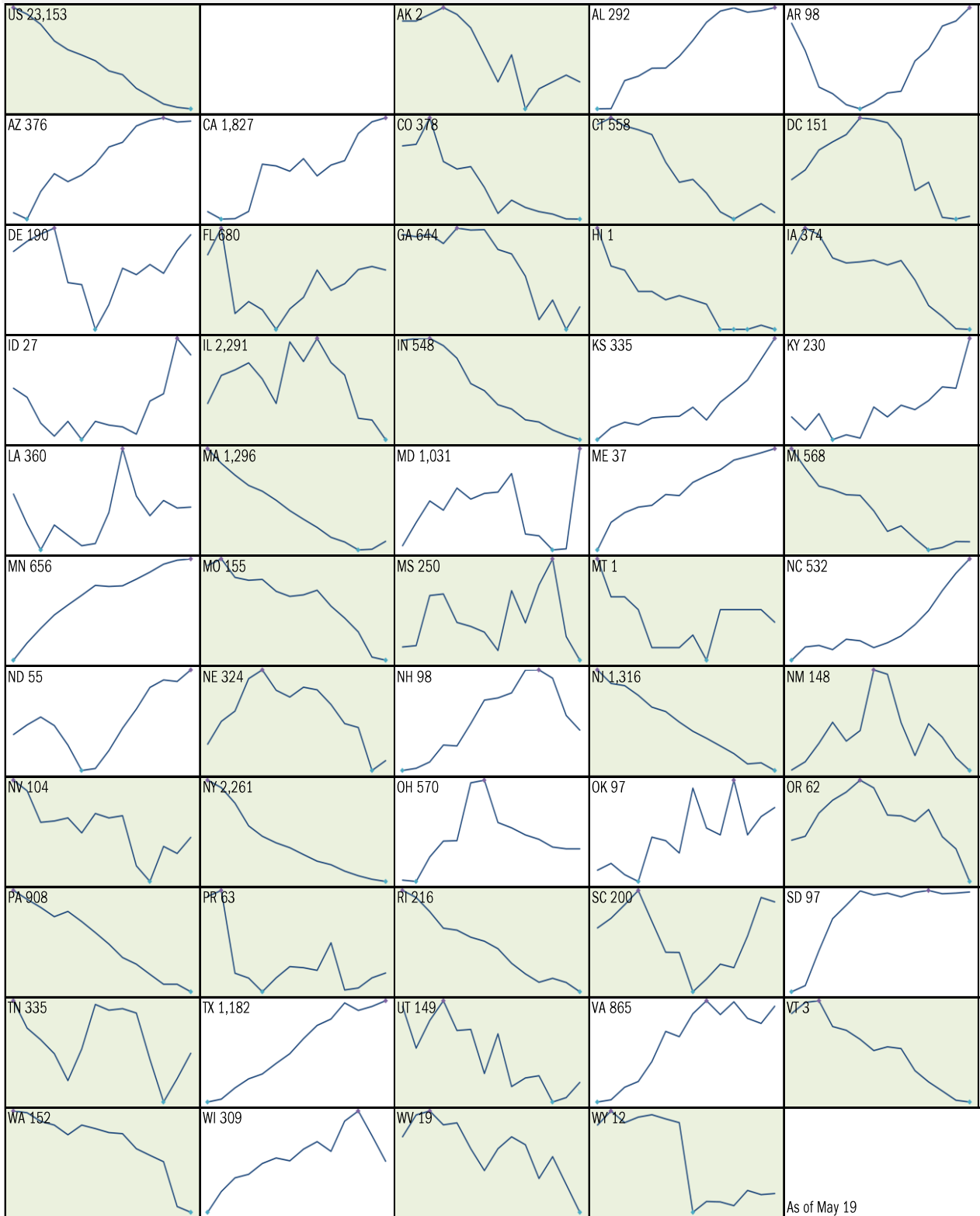
Our most reliable evidence of slowing exponential growth of Covid-2019

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



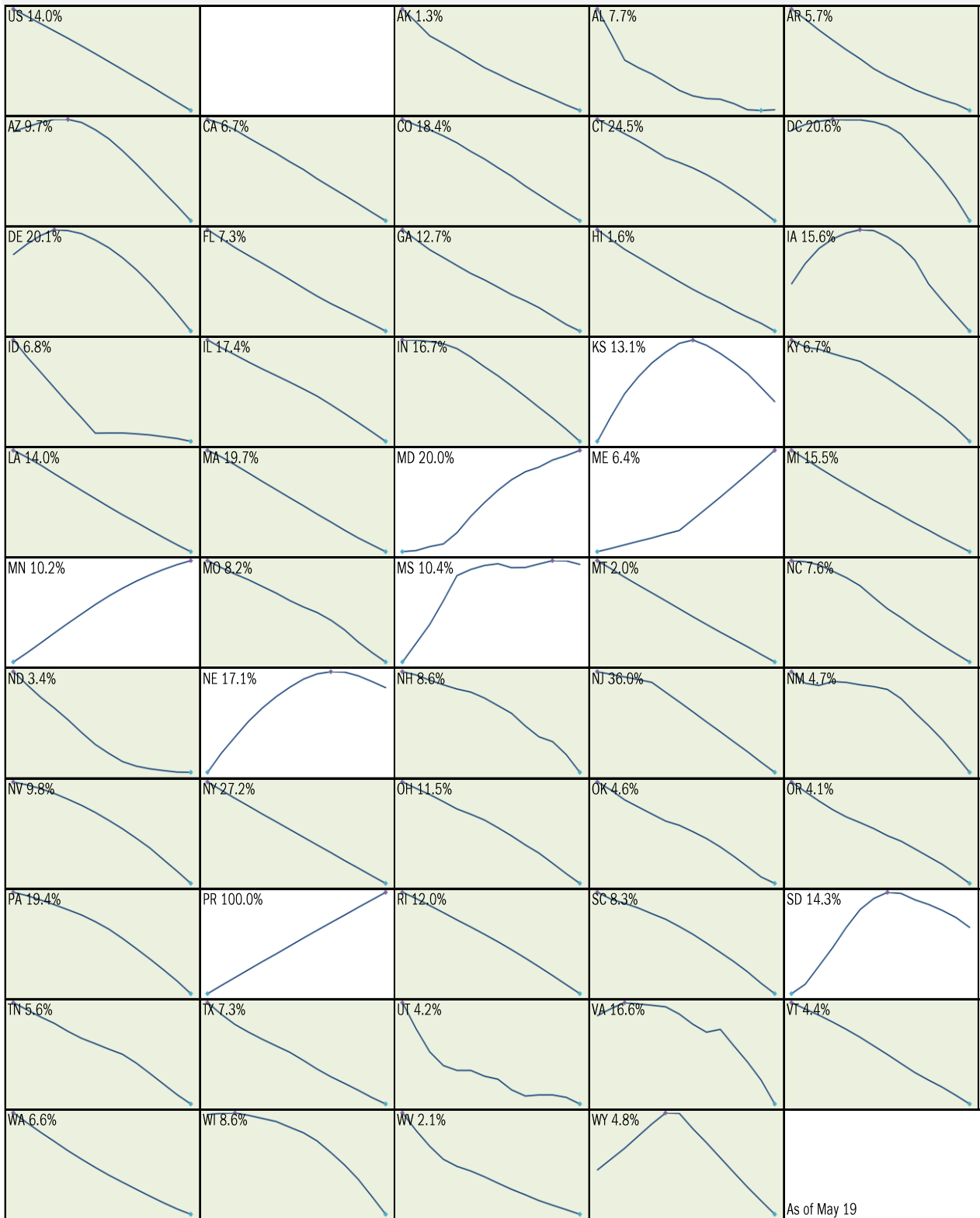
Source: [ECDC](#), TrendMacro calculations

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



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



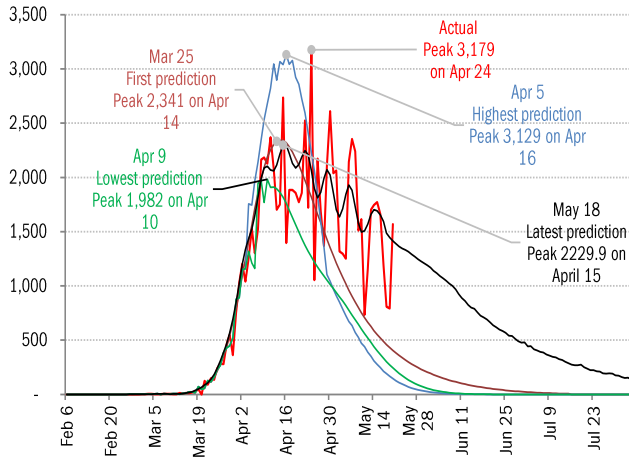
Source: [Covid Tracking Project](#), TrendMacro calculations

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

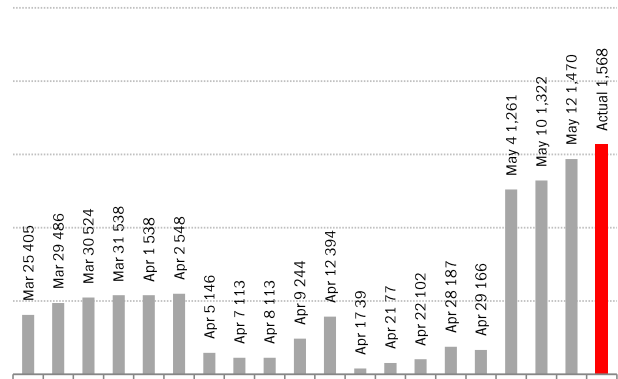
New daily fatalities

As of May 20

Actual versus first, highest and latest model mean predictions

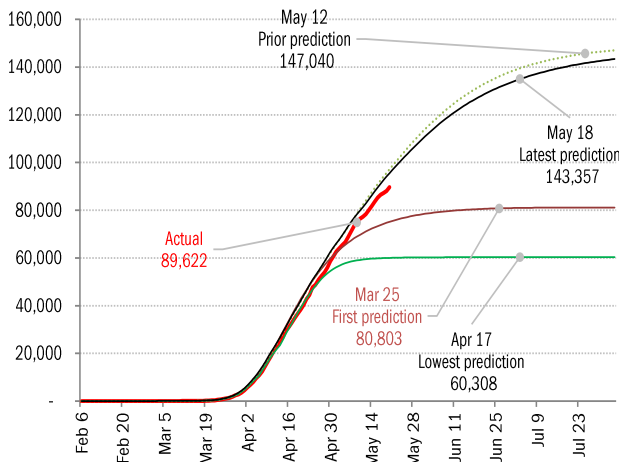


For this day, versus all model mean predictions

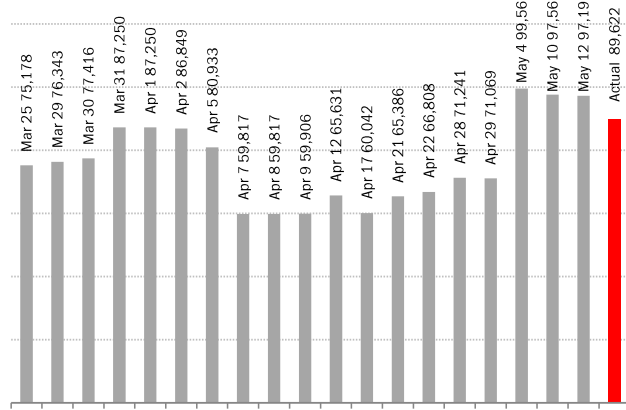


Cumulative fatalities

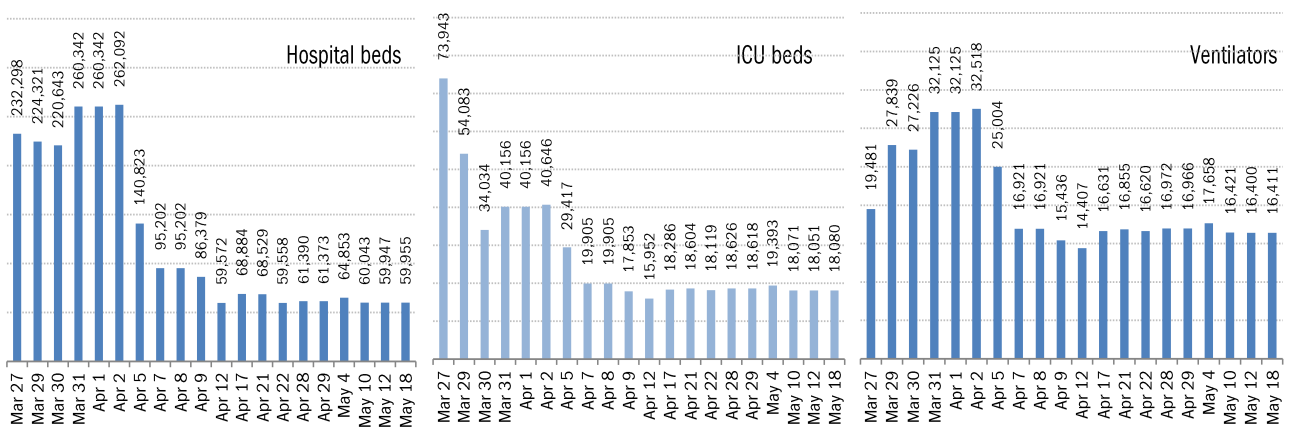
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

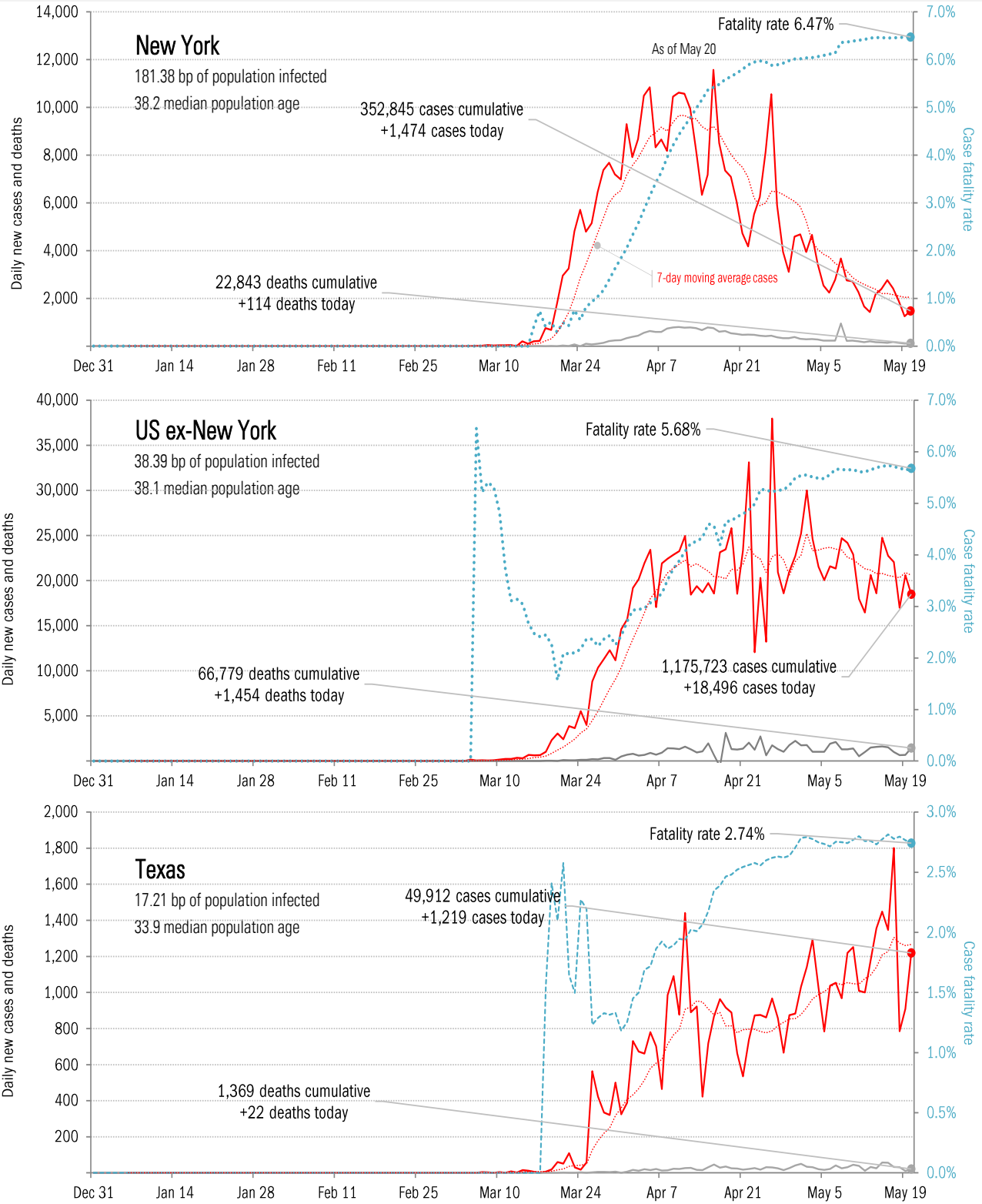


Healthcare system stress, peak estimated at each model revision



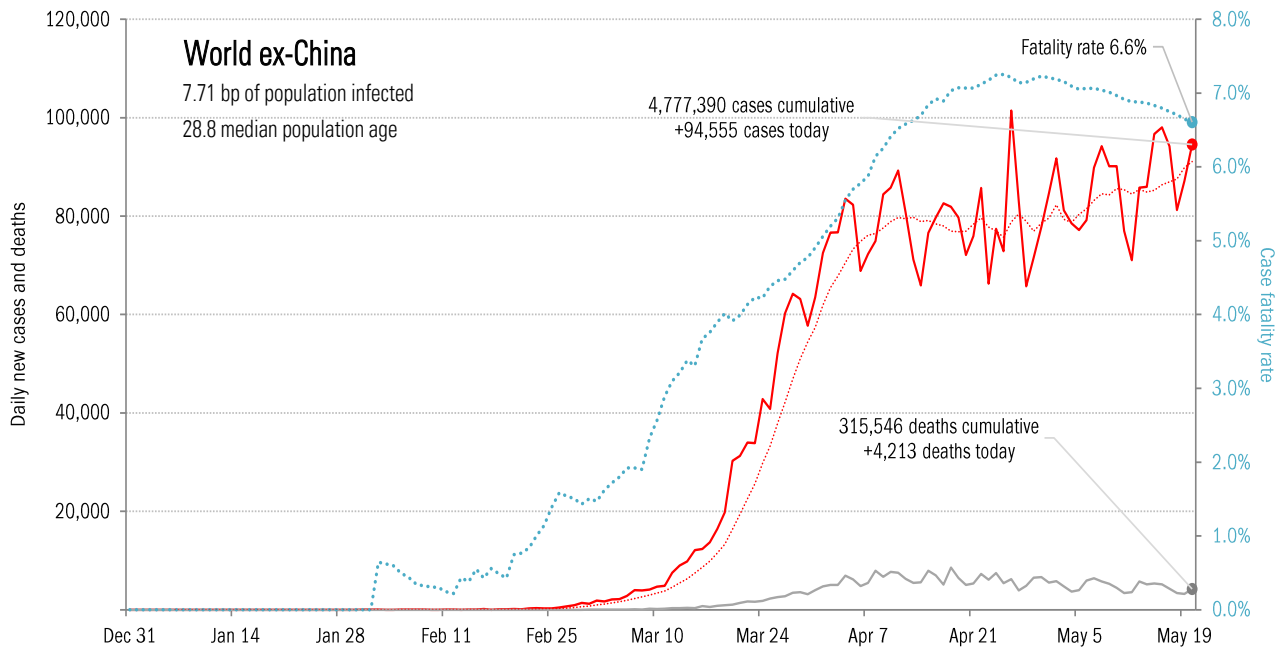
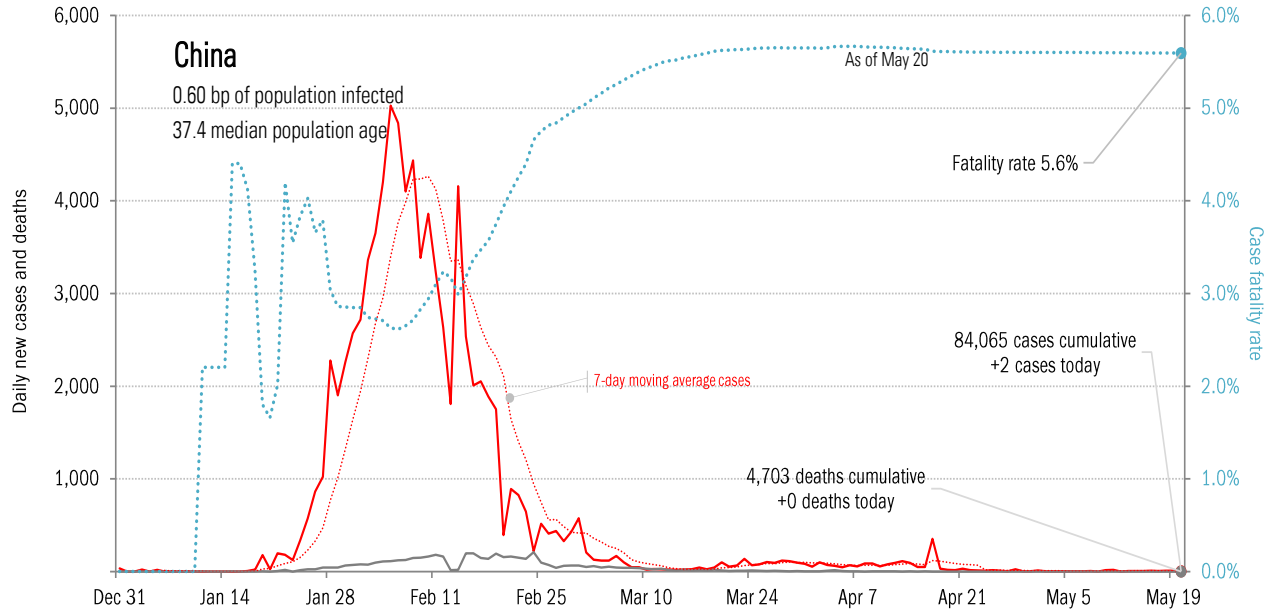
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



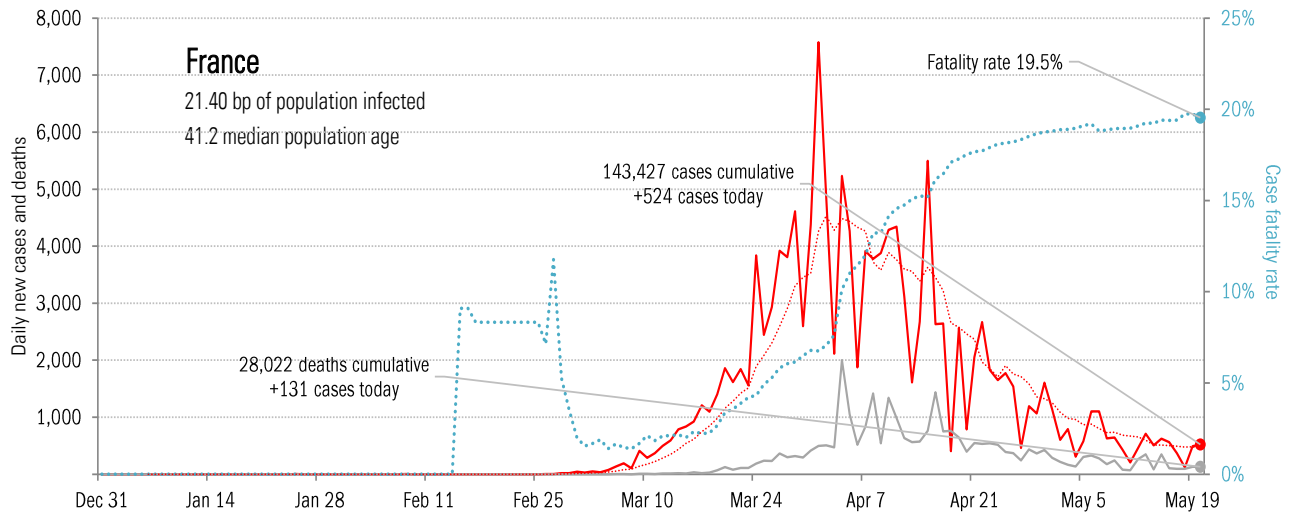
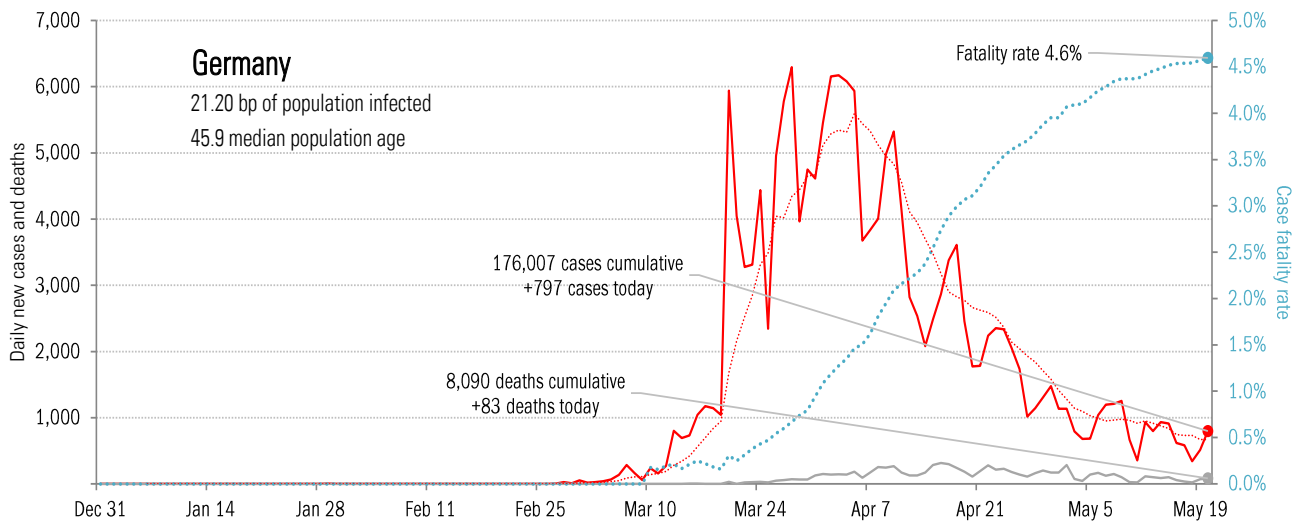
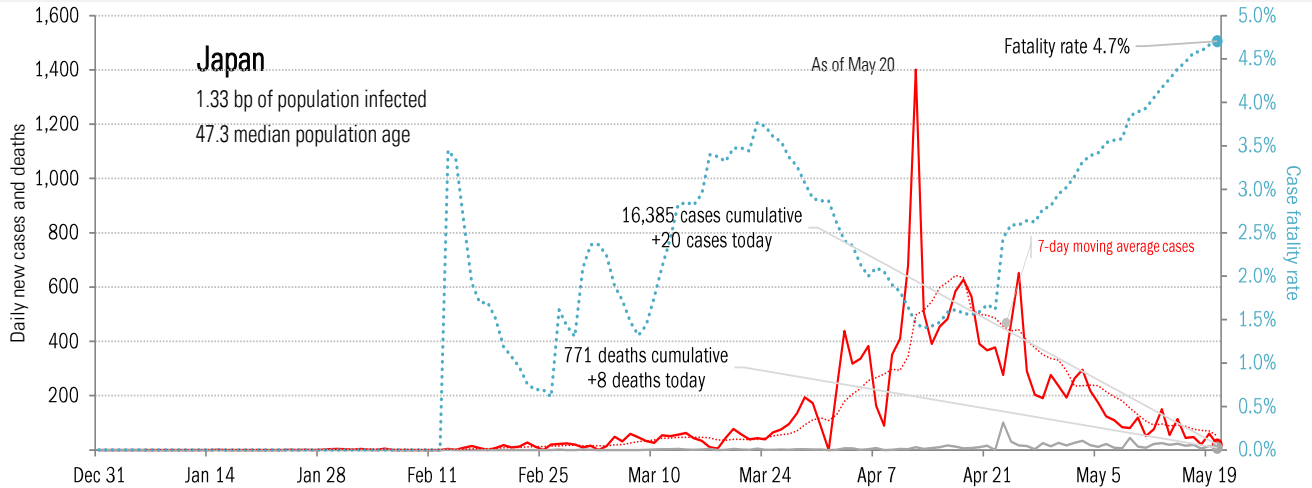
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



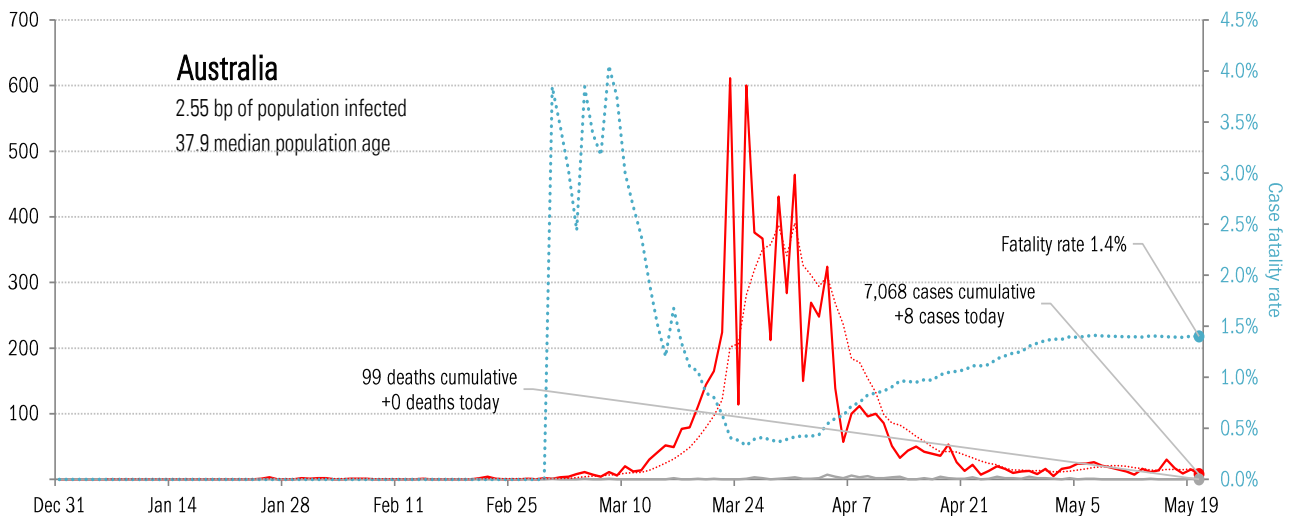
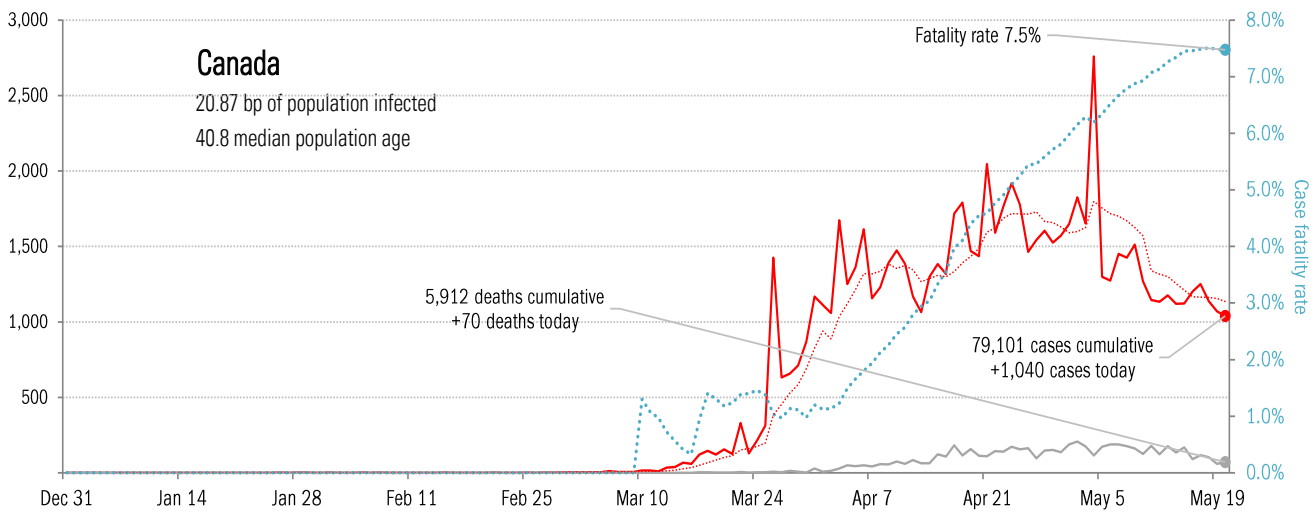
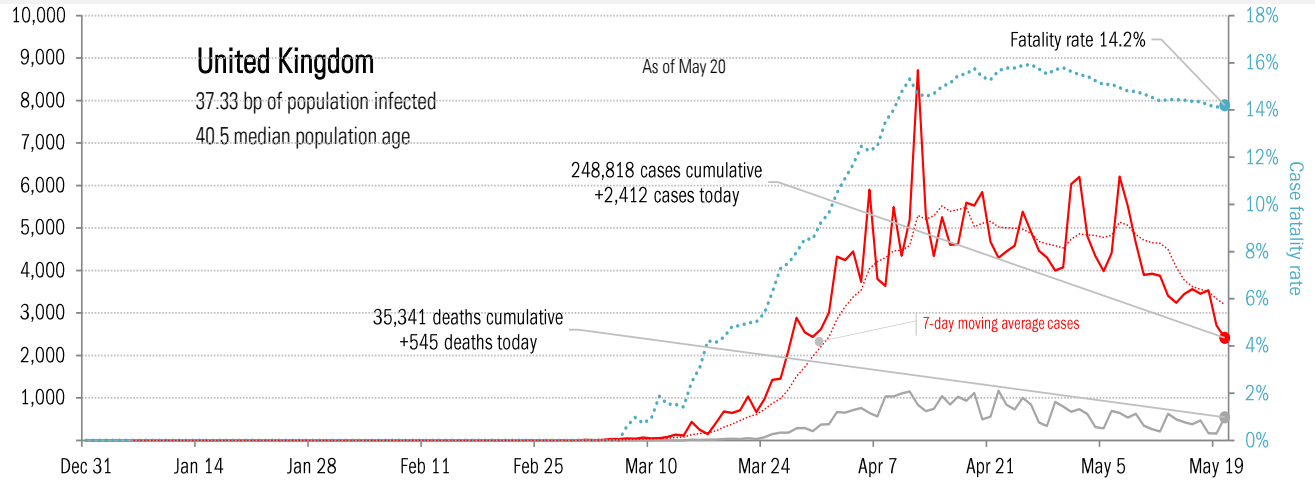
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



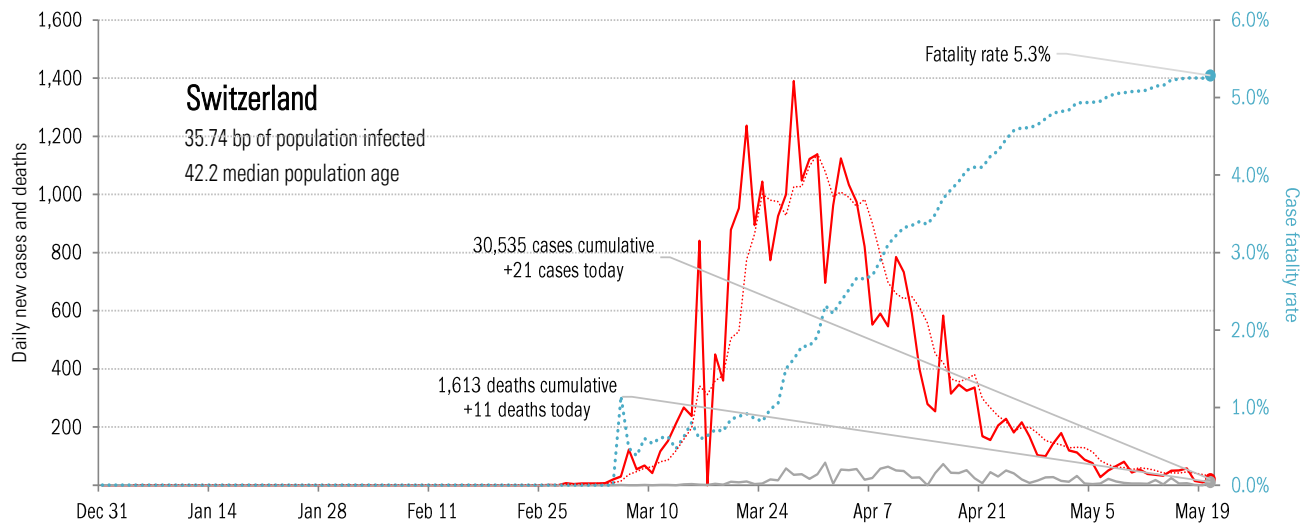
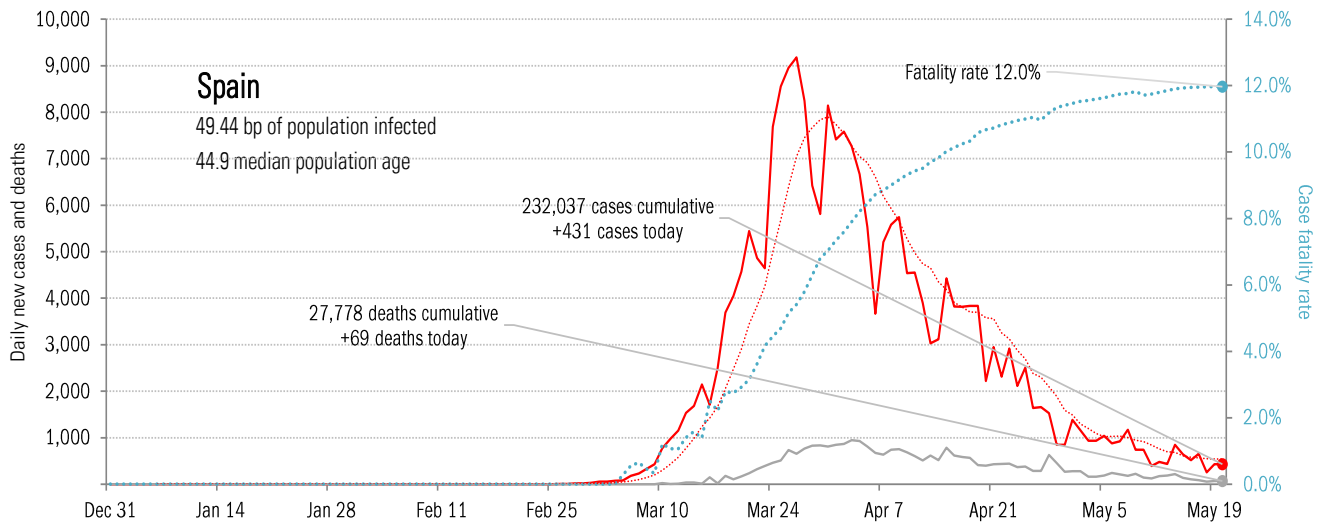
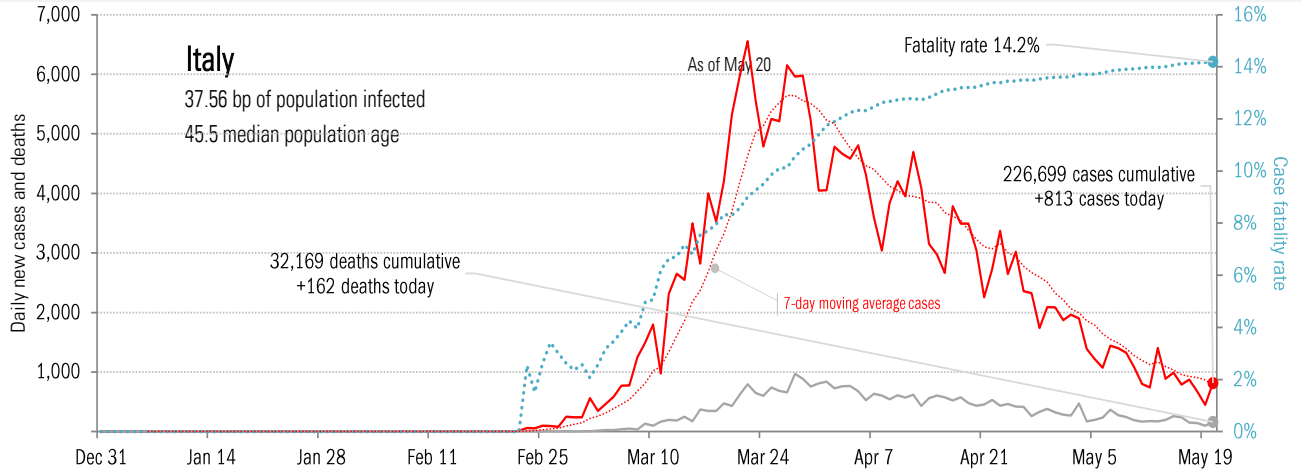
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



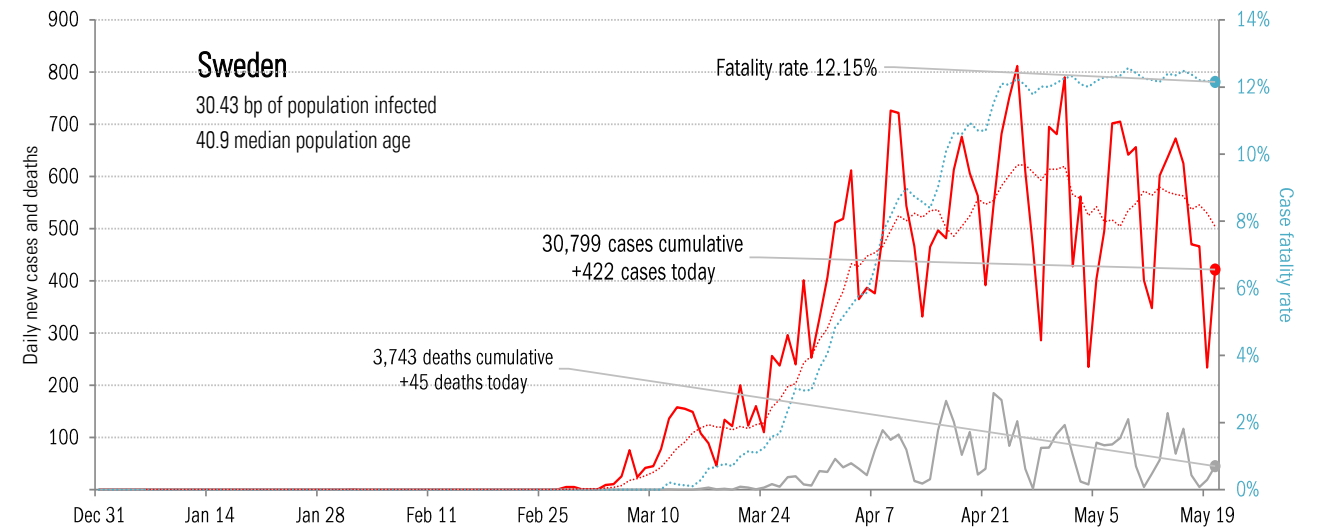
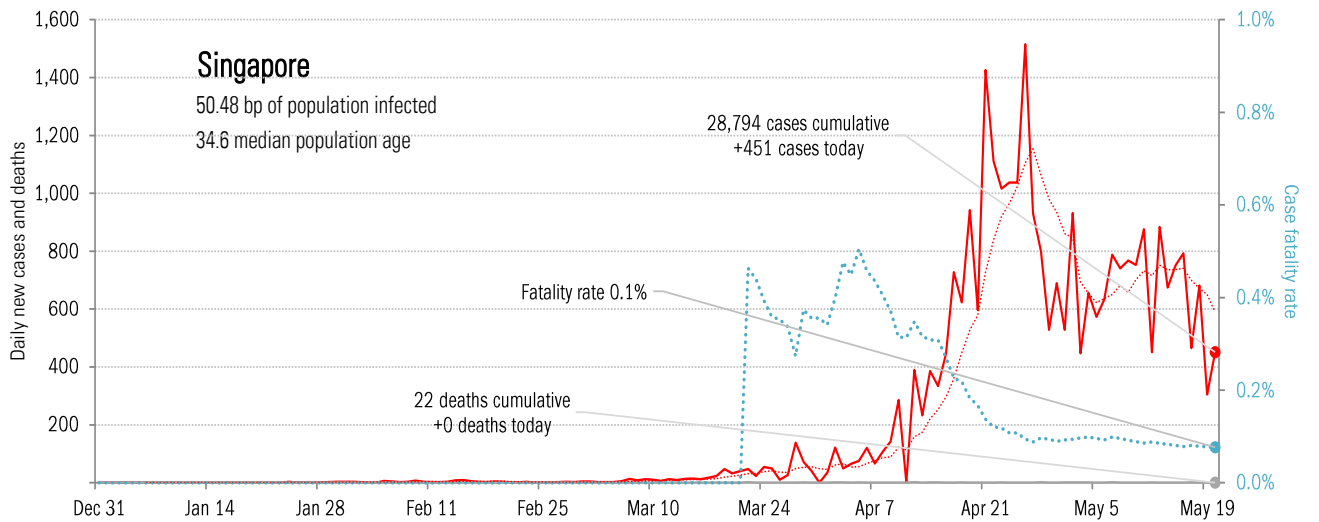
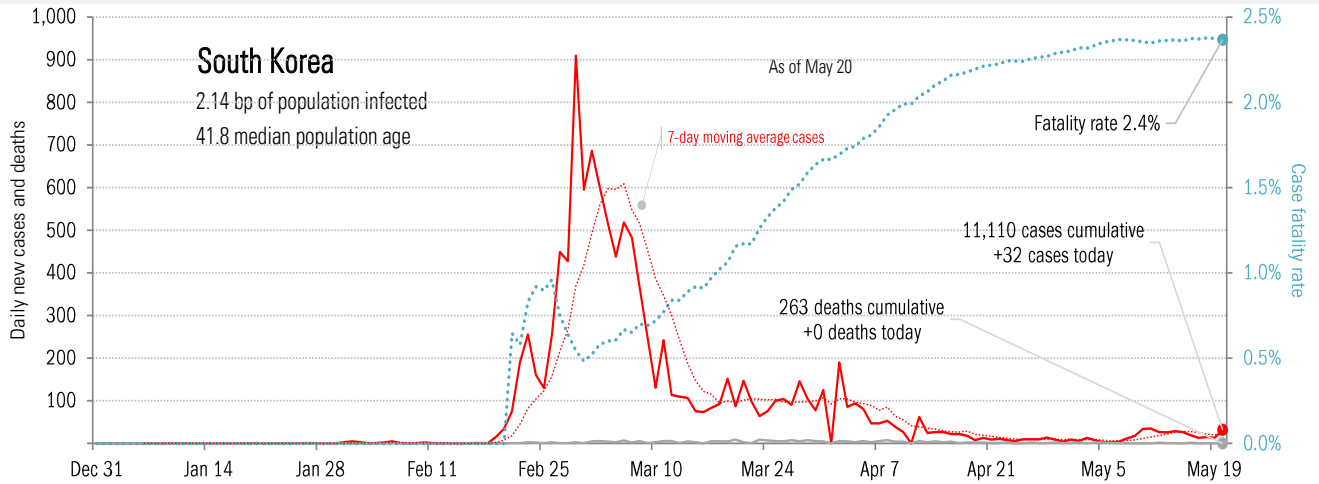
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



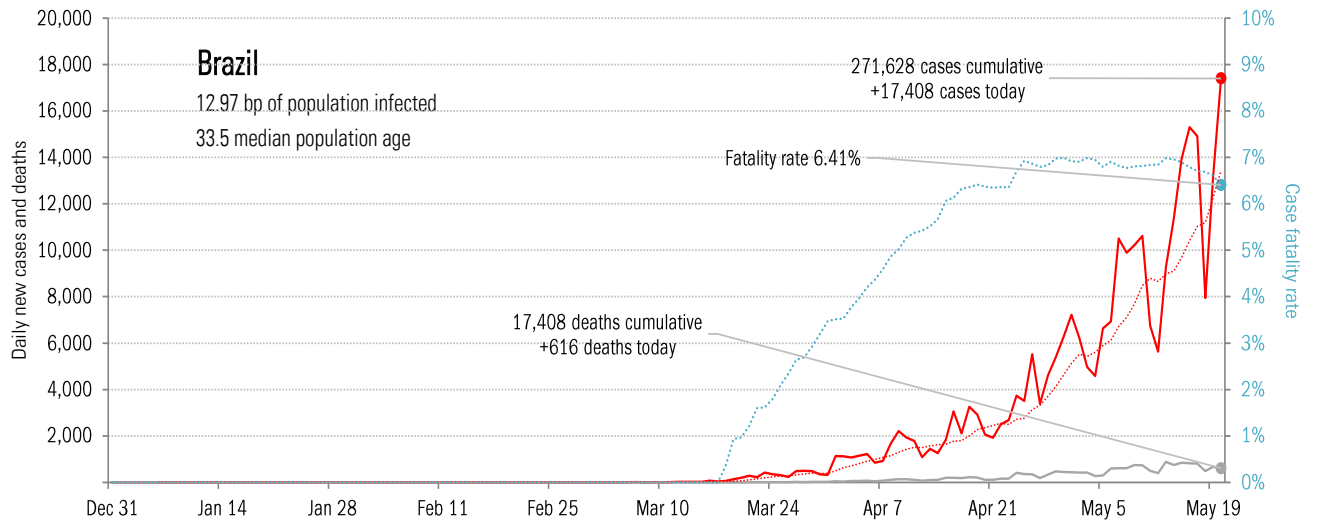
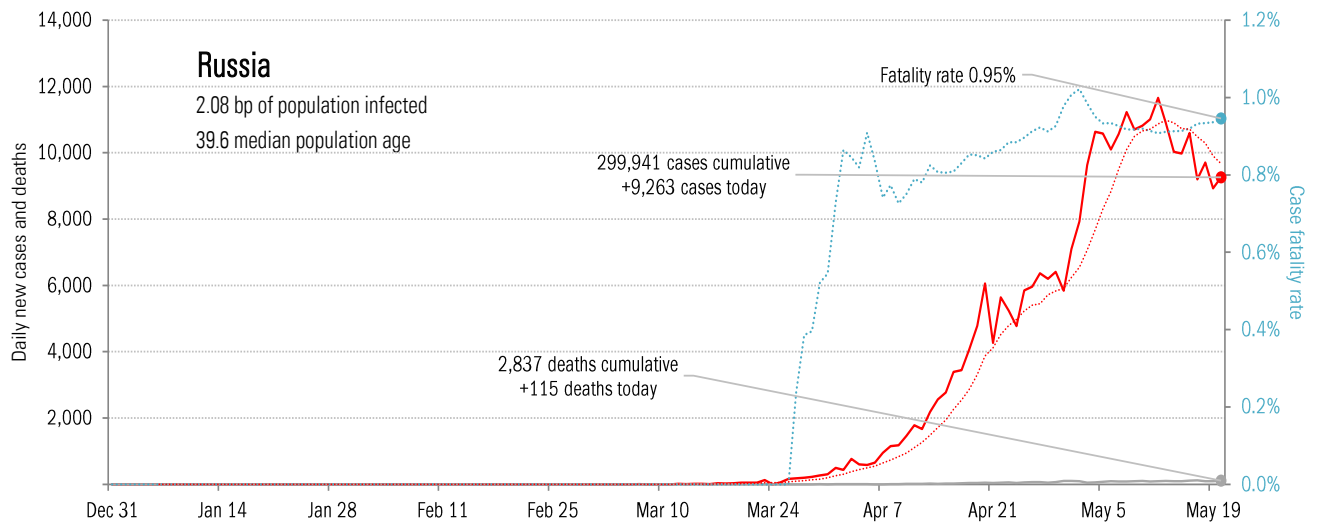
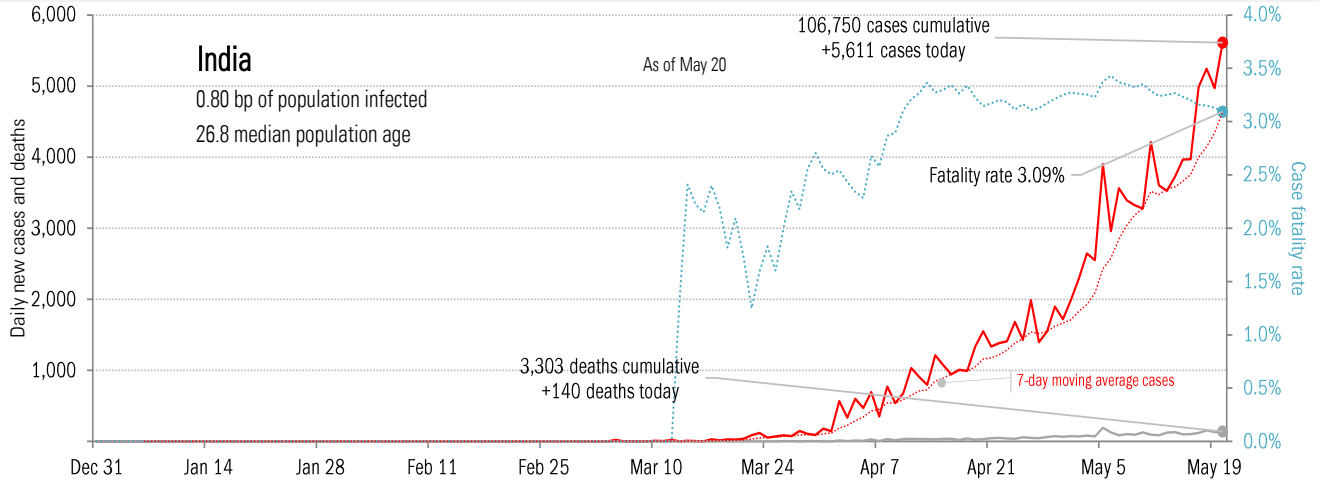
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



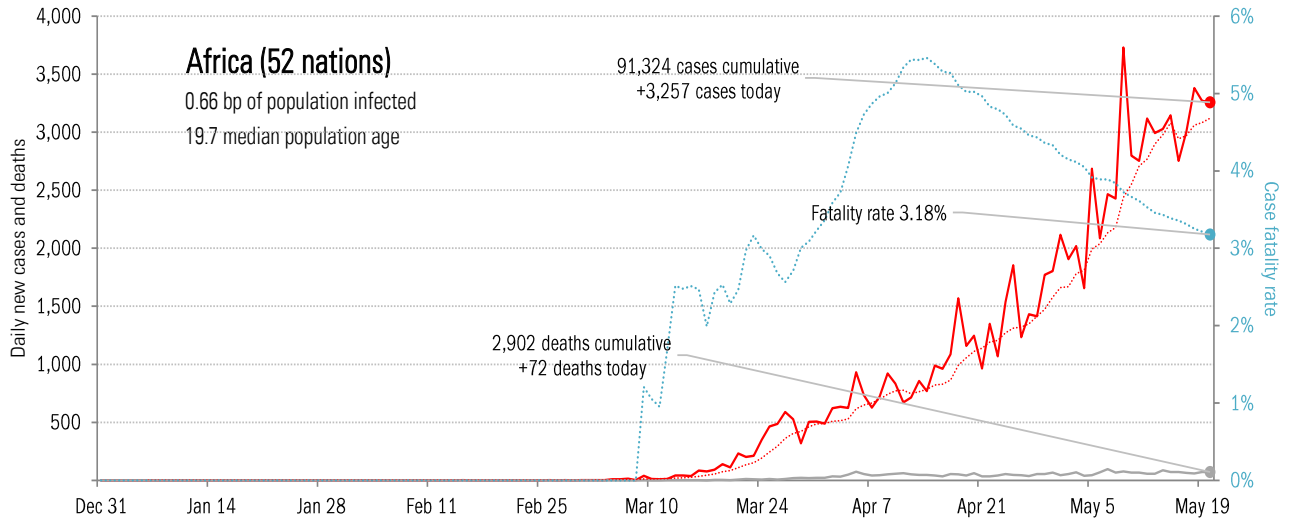
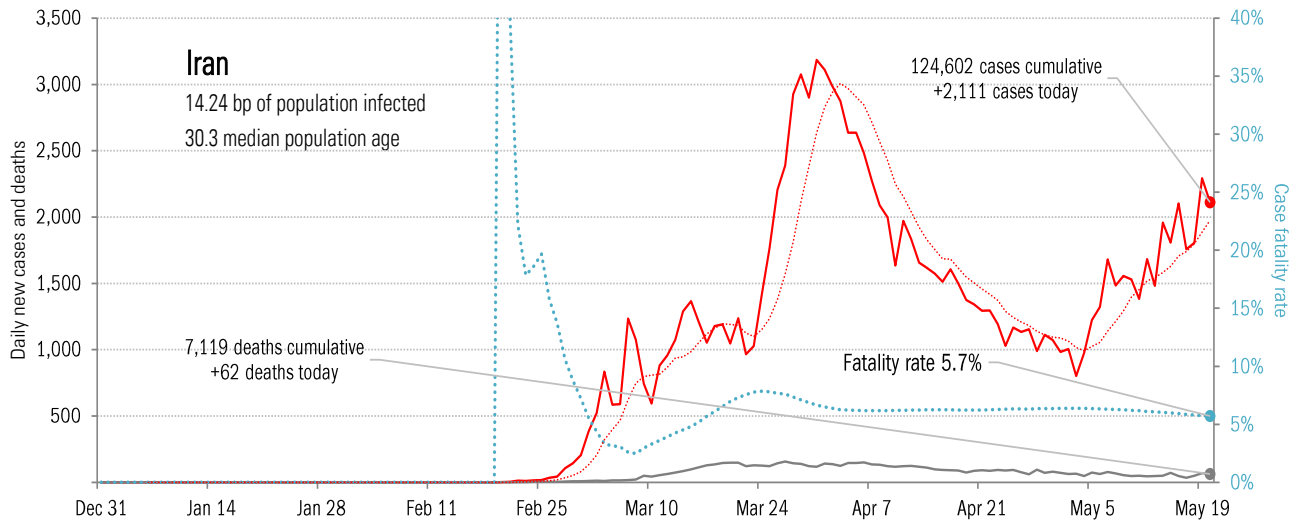
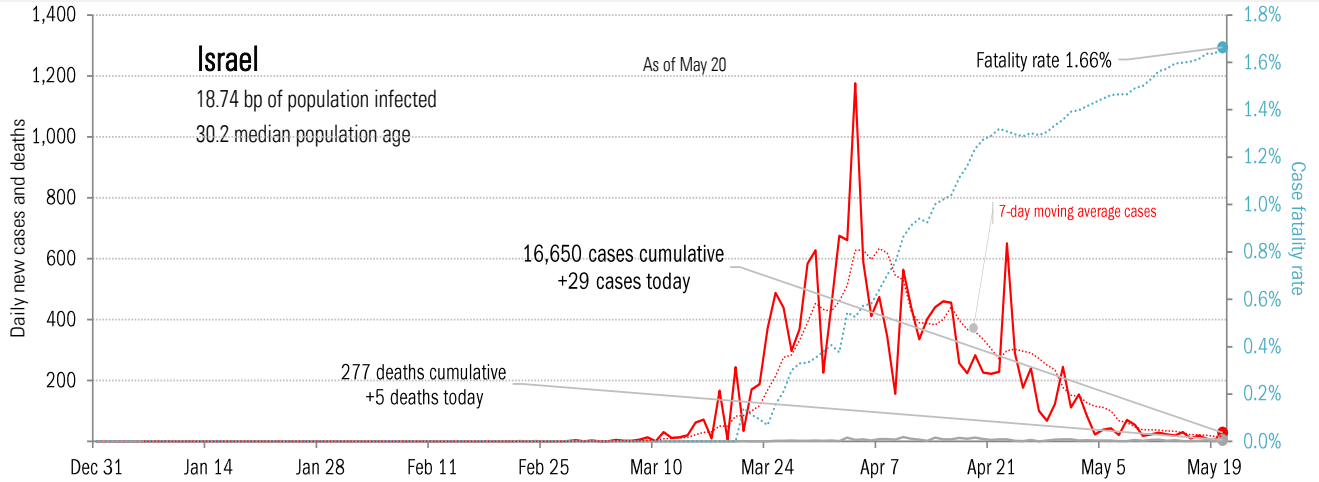
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations