

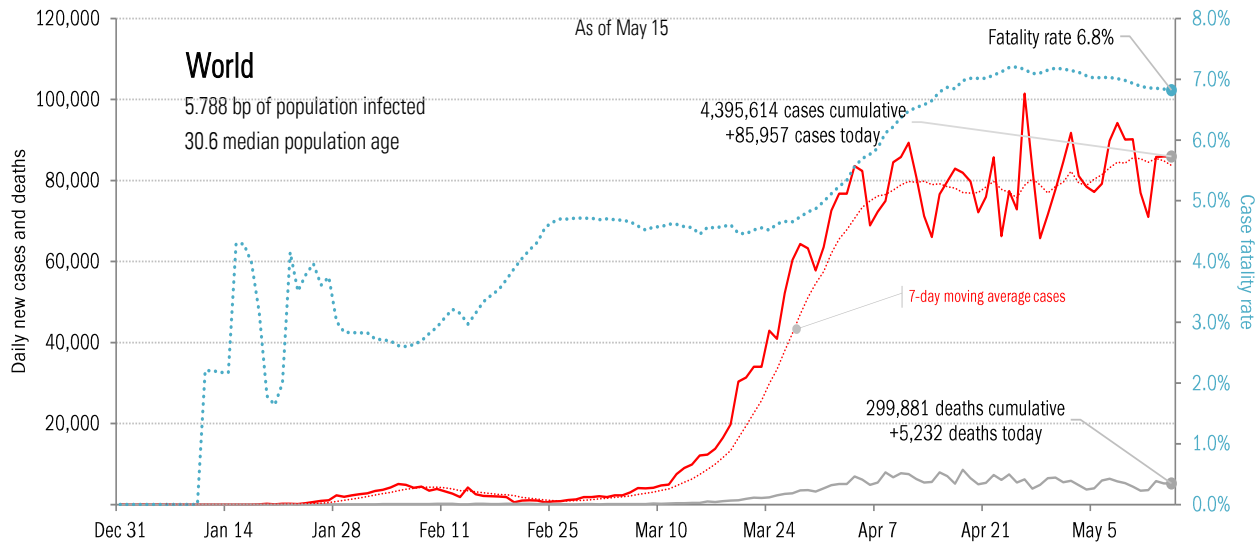
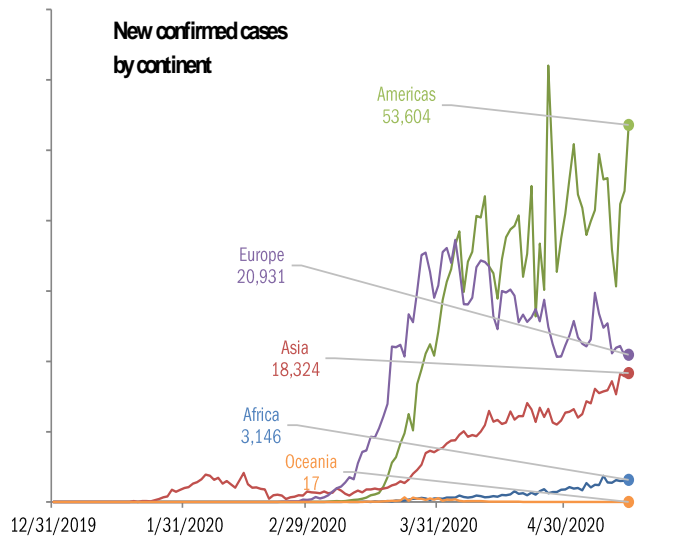
Data Insights: Covid-2019 Monitor

Friday, May 15, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+27,143	US	+1,773
Brazil	+13,944	Brazil	+844
Russia	+9,974	UK	+428
Peru	+4,298	France	+351
India	+3,967	Italy	+262
UK	+3,446	Mexico	+257
Chile	+2,659	Canada	+168
Mexico	+2,409	Germany	+101
Saudi	+2,039	India	+100
Iran	+1,808	Peru	+98
+71,687		+4,382	
World	+85,957	World	+5,232
Top ten	83%	Top ten	84%



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

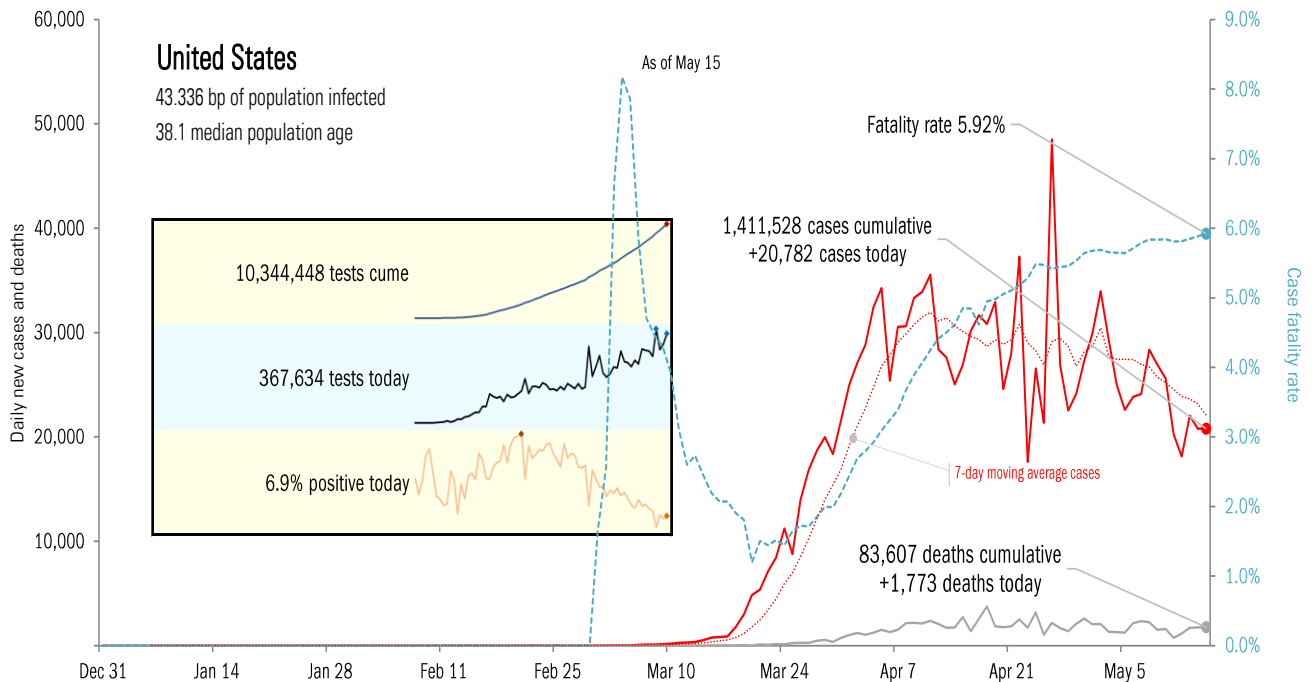
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cure cases		Cure deaths		Cure in hospital	
IL	+3,239	PA	+275	CT	+1,557	NY	343,051	NY	22,170	NY	74,433
NY	+2,390	NJ	+244	NY	+470	NJ	142,704	NJ	9,946	CT	10,946
CA	+2,023	NY	+157	FL	+158	IL	87,937	MA	5,315	MA	8,032
TX	+1,448	IL	+136	MD	+149	MA	80,497	MI	4,787	FL	7,993
MI	+1,191	CA	+98	VA	+131	CA	73,164	PA	4,218	MD	6,553
NJ	+1,144	CT	+94	OH	+100	PA	59,636	IL	3,928	GA	6,345
MD	+1,091	MI	+73	GA	+86	MI	49,582	CT	3,219	VA	5,211
VA	+1,067	TX	+58	MN	+64	TX	43,851	CA	3,032	OH	4,718
PA	+938	MD	+57	MS	+51	FL	43,210	LA	2,417	IN	4,389
LA	+827	CO	+53	TN	+47	MD	35,903	FL	1,948	CO	3,735
+15,358		+1,245		+2,813		959,535		60,980		132,355	
All states	+25,203	All states	+1,741	All states	+3,049	All states	1,407,507	All states	80,084	All states	152,396
Top ten	61%	Top ten	72%	Top ten	92%	Top ten	68%	Top ten	76%	Top ten	87%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
MA	-1,165	MA	-174	NY	-350	TX	+968
KS	-352	IL	-55	MA	-190	CT	+851
GA	-171	GA	-22	KY	-48	NY	+565
ND	-76	IN	-14	KS	-44	MN	+324
OR	-67	RI	-12	GA	-43	WI	+321



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

Recommended reading

[Take the Shutdown Skeptics Seriously](#)

Conor Friedersdorf
The Atlantic
May 10, 2020

[The Acquired Immune Deficiency Syndrome: The Ever-Broadening Clinical Spectrum](#)

Anthony S. Fauci, MD
Journal of the American Medical Association
May 6, 1983

[High-risk states are seeing fewer new coronavirus cases](#)

Sam Baker
Axios
May 13, 2020

[Early estimates of the indirect effects of the COVID-19 pandemic on maternal and child mortality in low-income and middle-income countries: a modelling study](#)

Timothy Roberton et al.
The Lancet
May 12, 2020

[Lloyd's market reveals huge coronavirus payout to customers](#)

Camilla Theakstone
Insurance Business
May 14, 2020

[Estimation of seroprevalence of novel coronavirus disease \(COVID-19\) using preserved serum at an outpatient setting in Kobe, Japan: A cross-sectional study.](#)

Asako Doi et al.
medRxiv
May 5, 2020

[Wisconsin Supreme Court strikes down Wisconsin's stay-at-home order that closed businesses to limit spread of coronavirus](#)

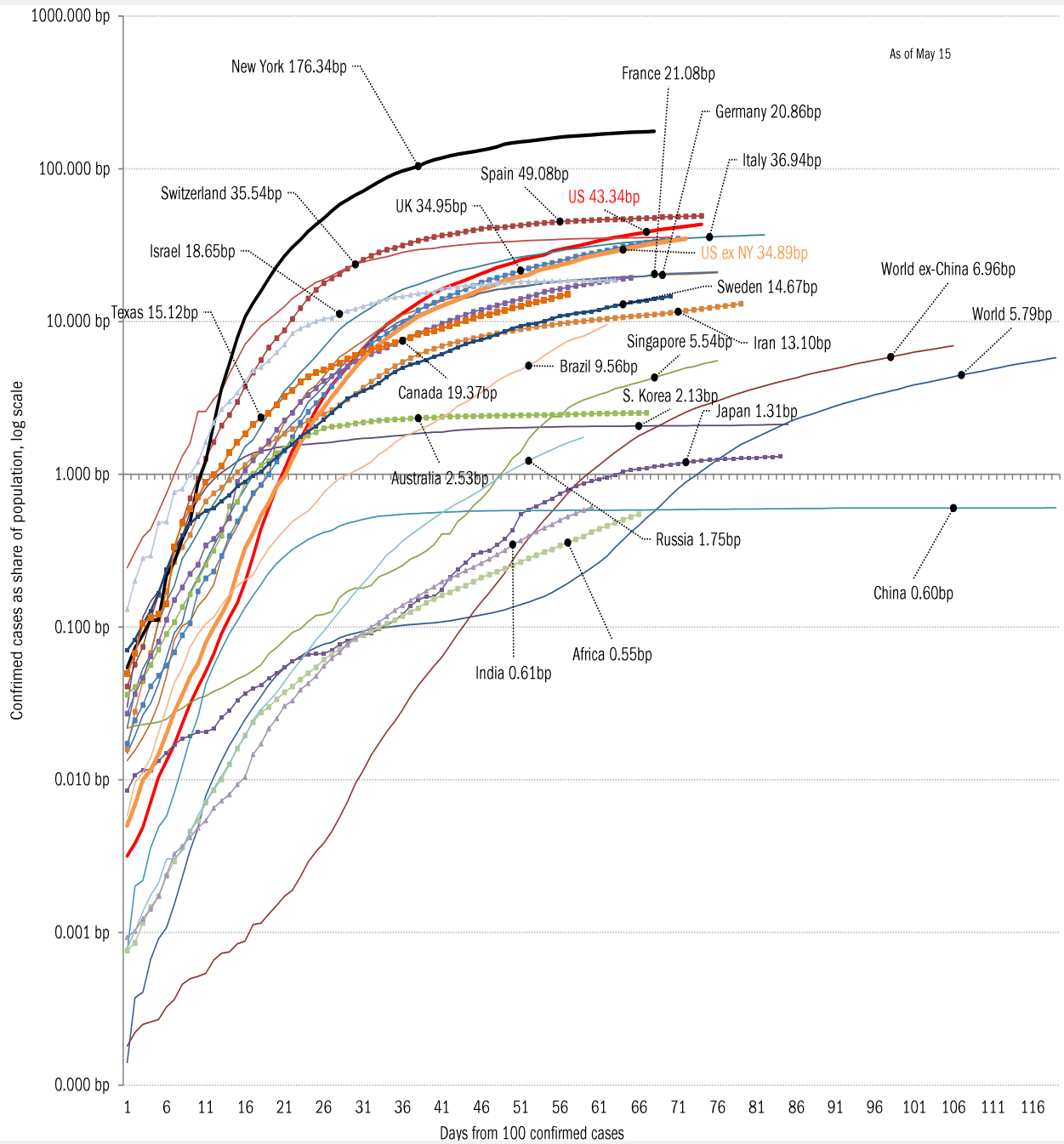
Molly Beck and Patrick Marley
Milwaukee Journal Sentinel
May 13, 2020

Meme of the day



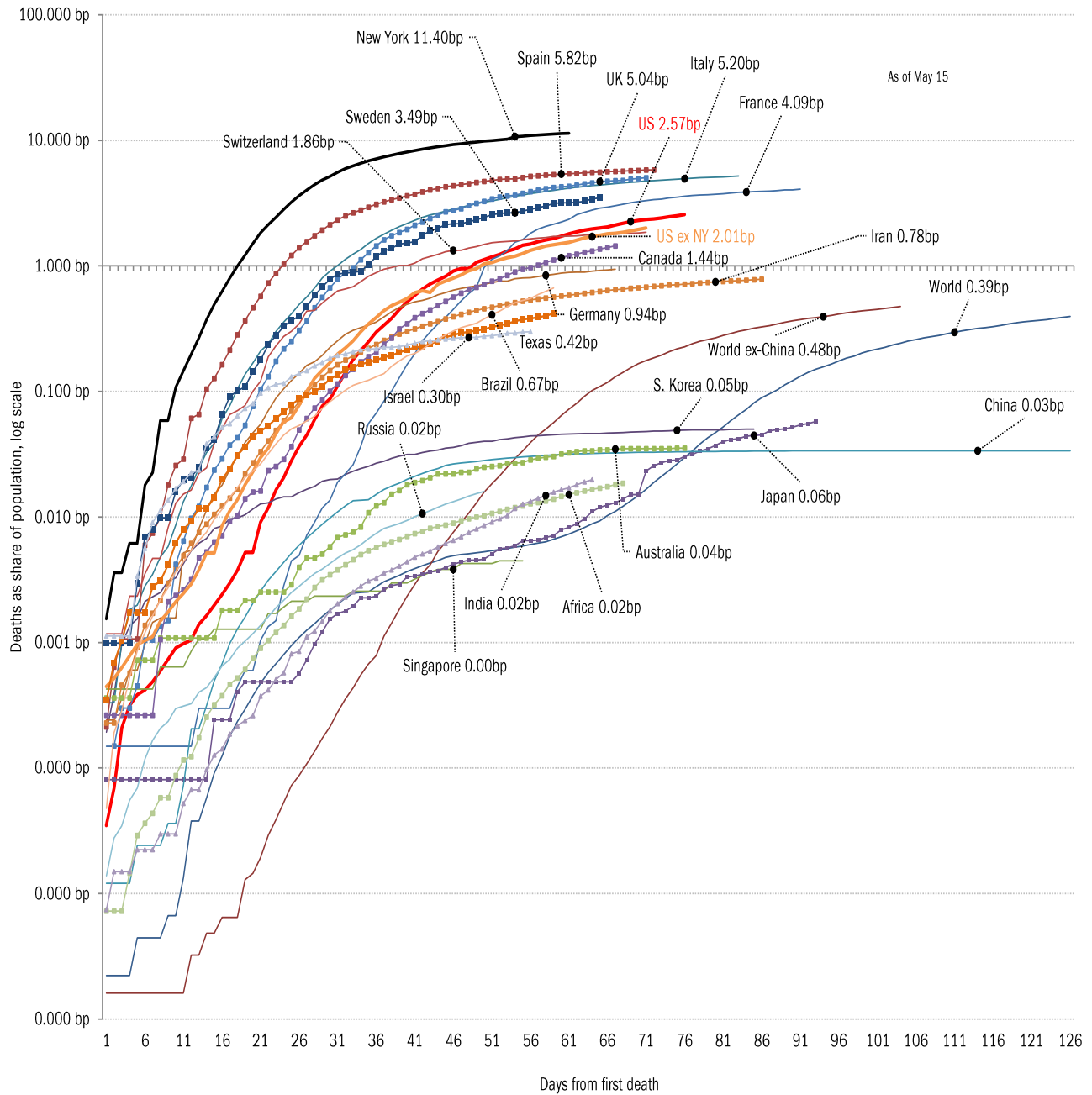
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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

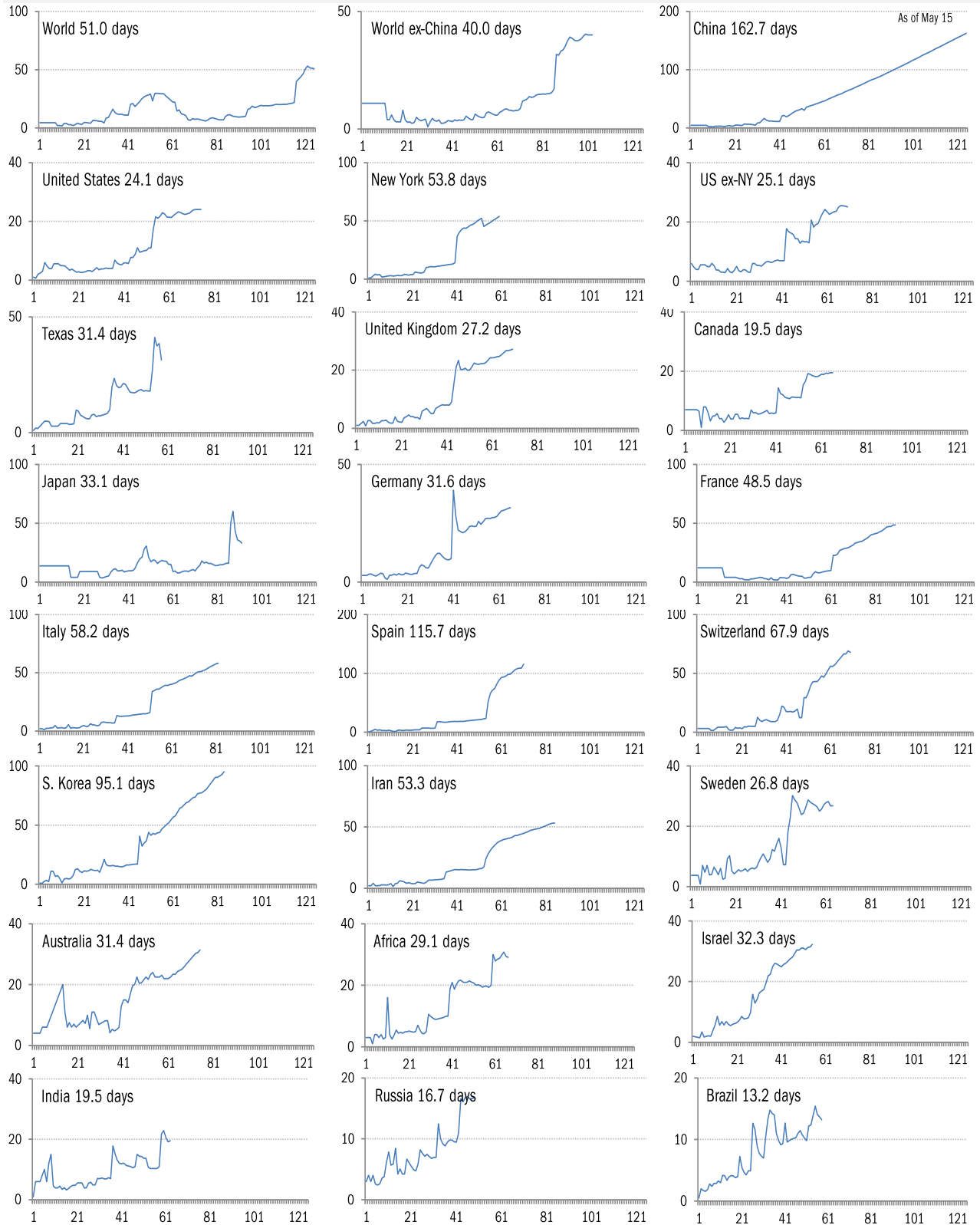
The coronavirus mortality accelerometer ... tracking the world's fatality curves
Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

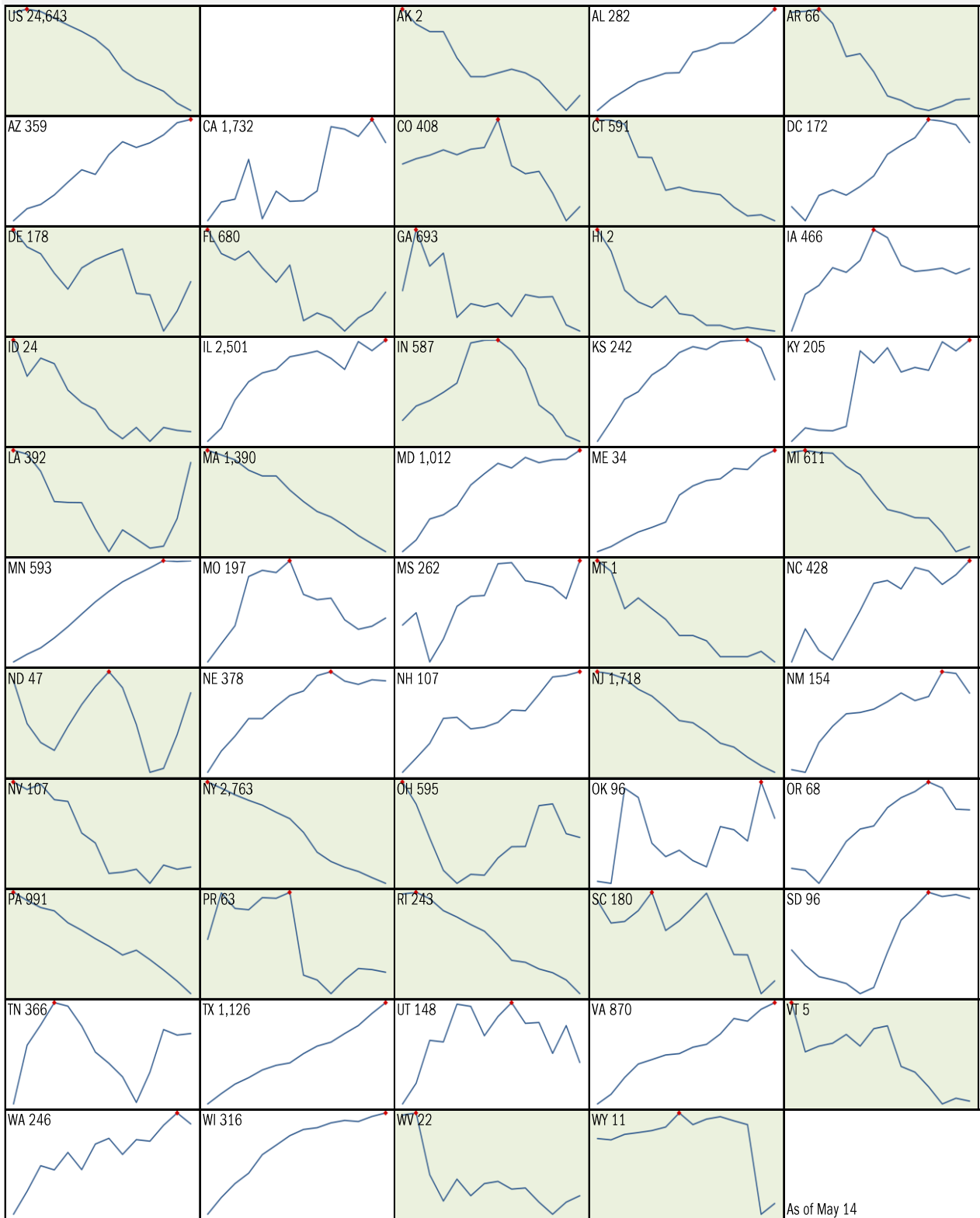
Our most reliable evidence of slowing the Moore's law of Covid-19

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



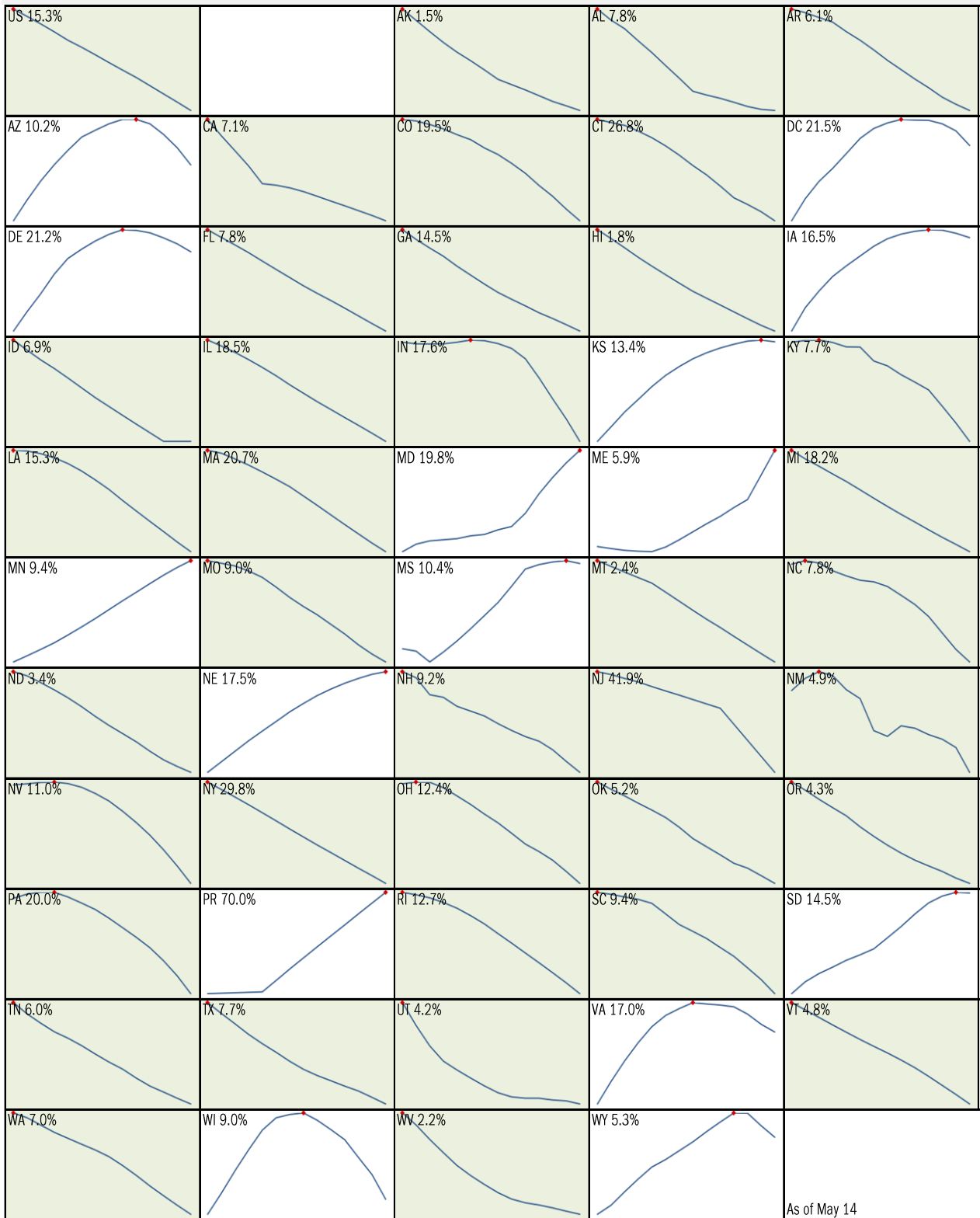
Source: [ECDC](#), TrendMacro calculations

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*



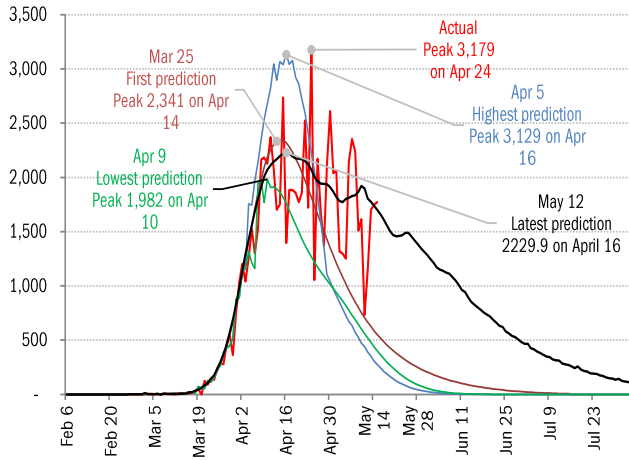
Source: [Covid Tracking Project](#), TrendMacro calculations

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

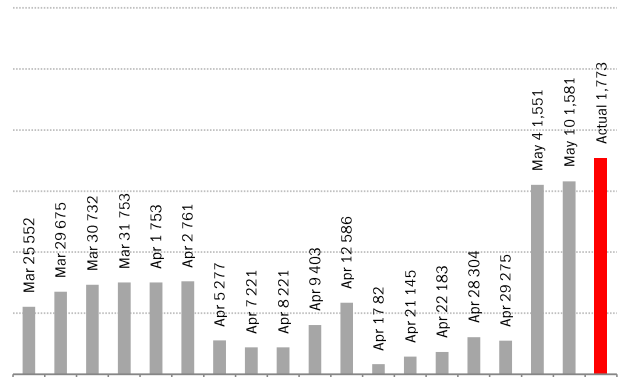
New daily fatalities

As of May 15

Actual versus first, highest and latest model mean predictions

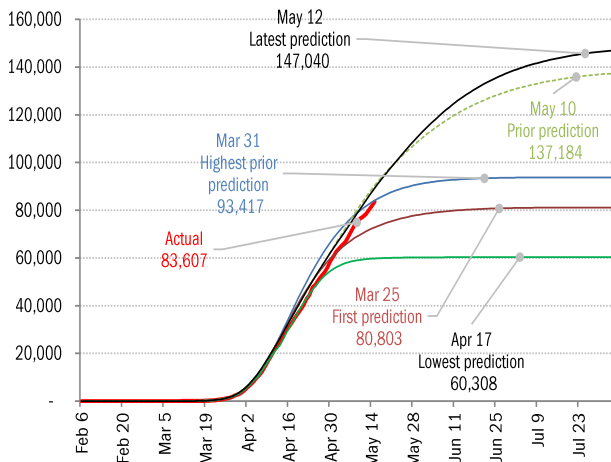


For this day, versus all model mean predictions

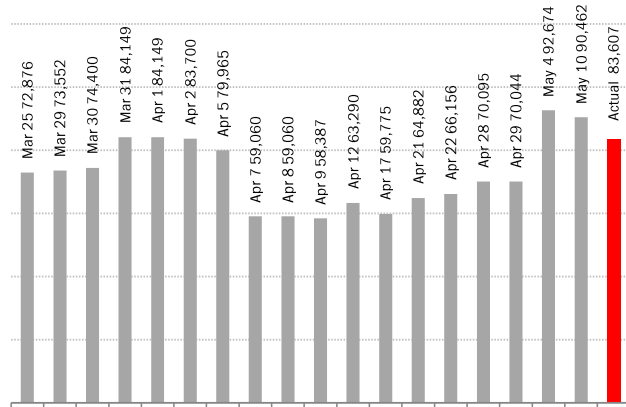


Cumulative fatalities

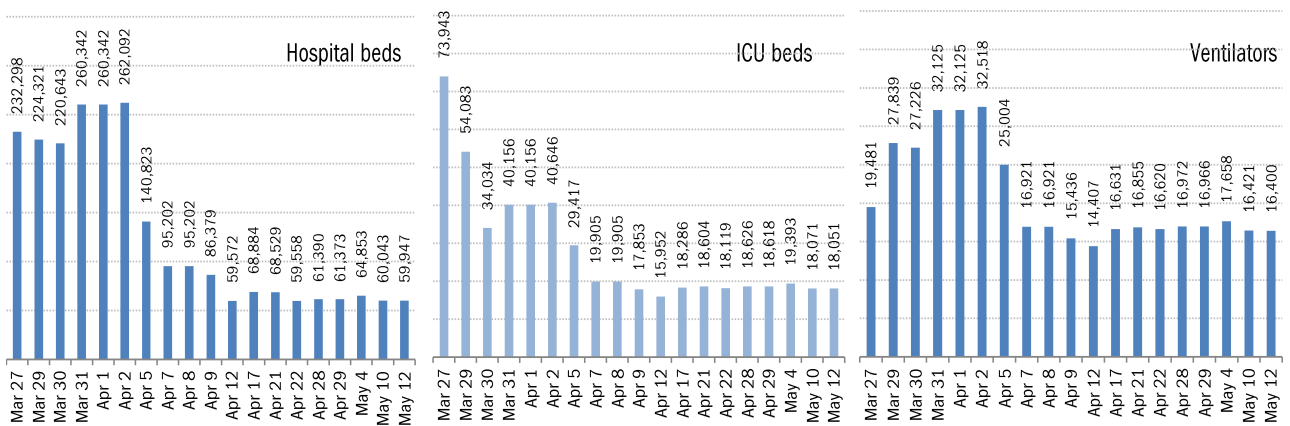
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

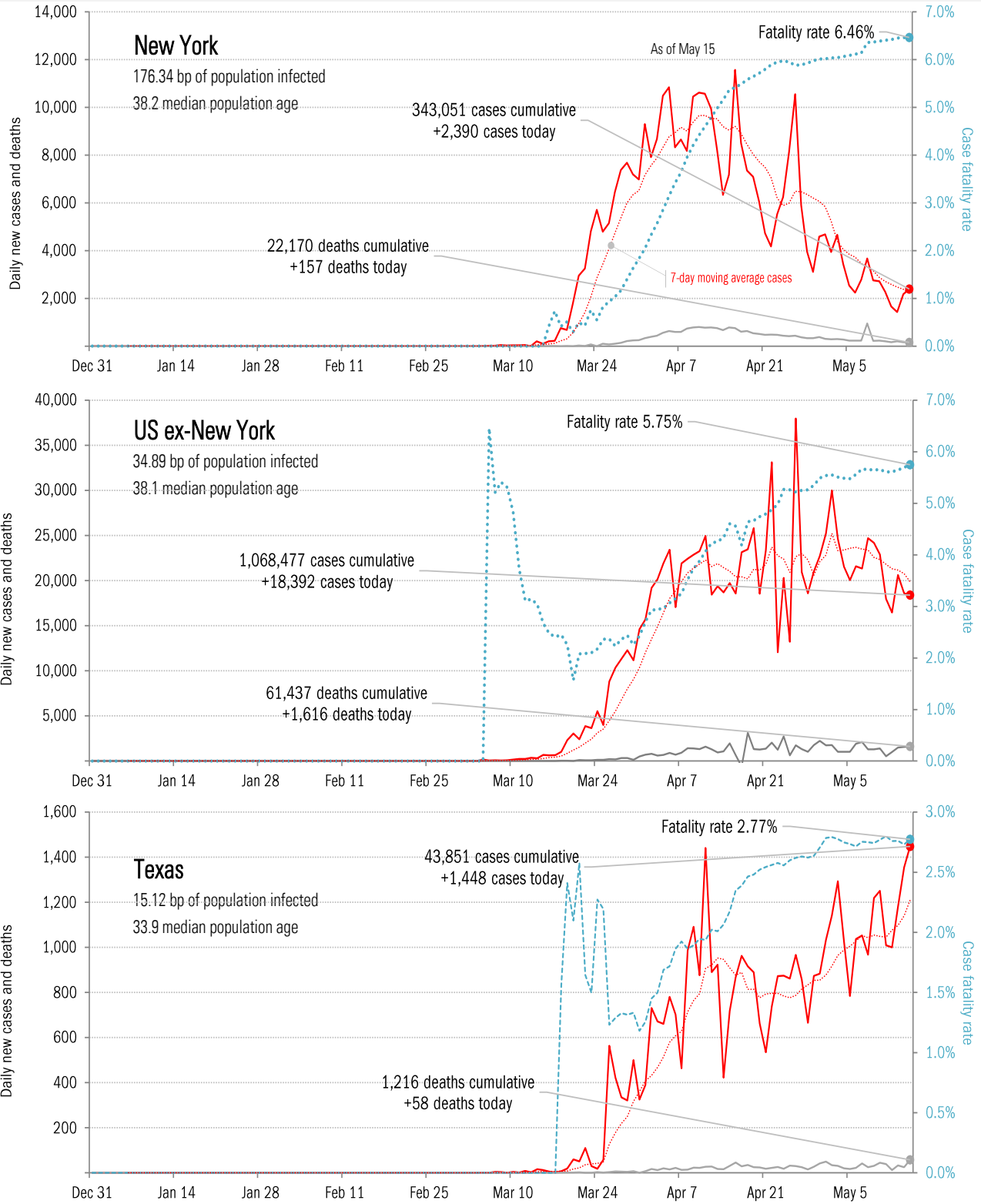


Healthcare system stress, peak estimated at each model revision



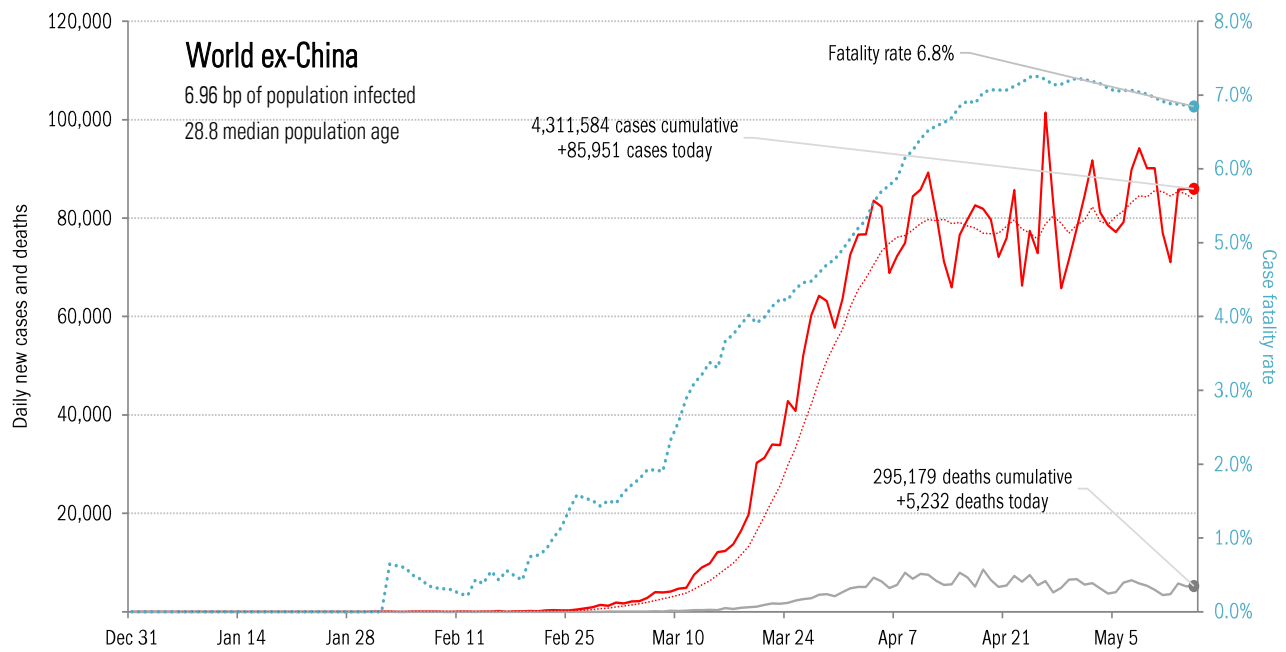
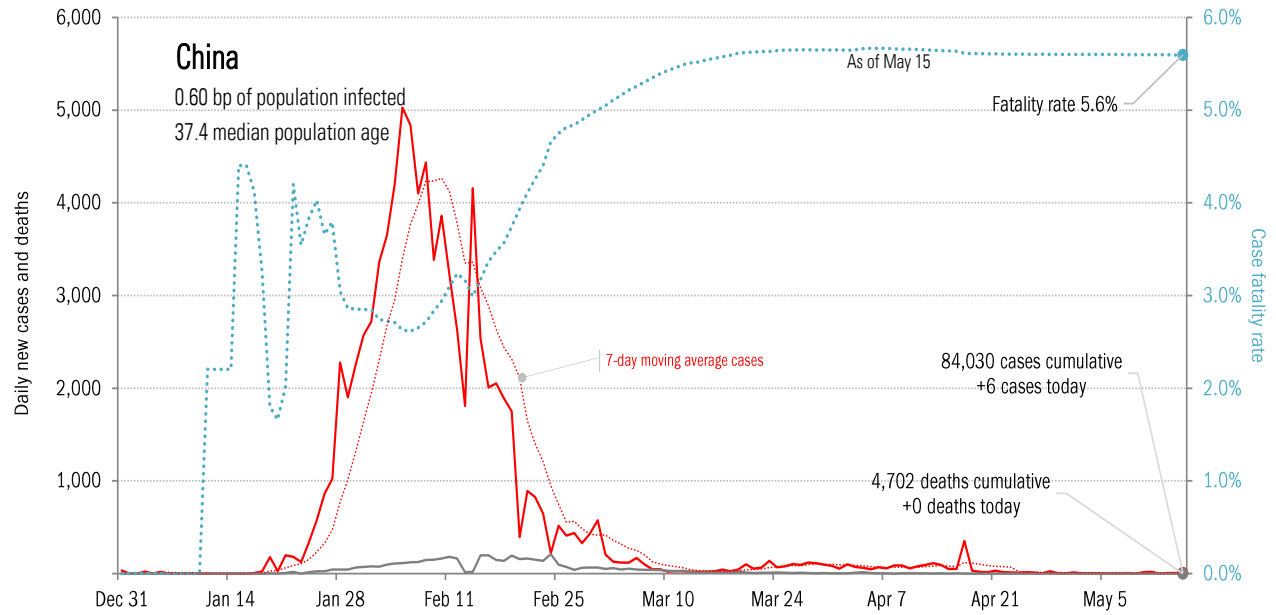
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



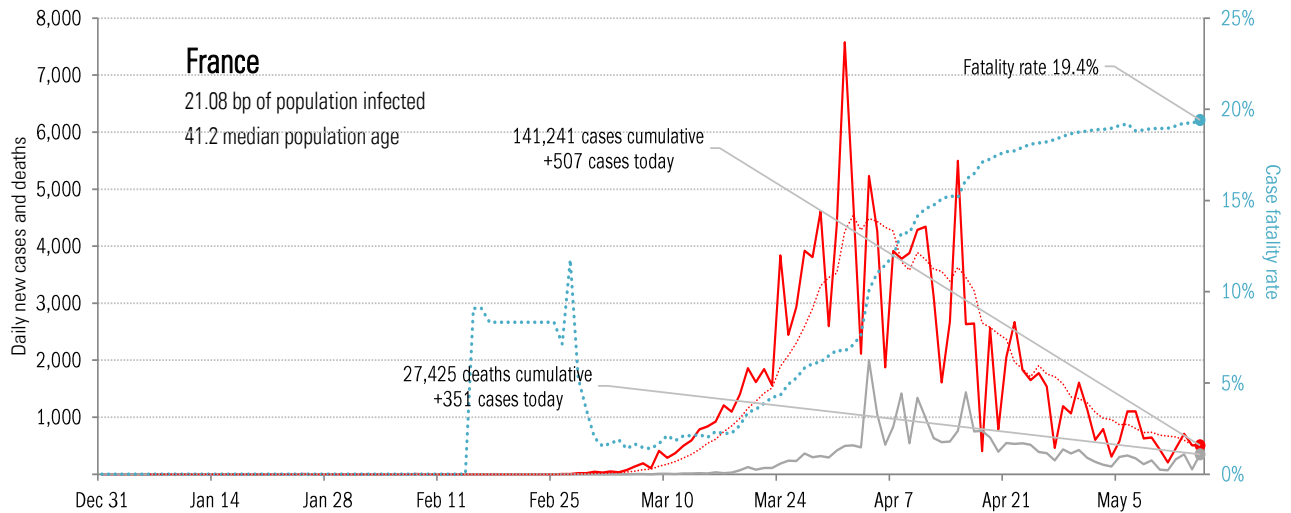
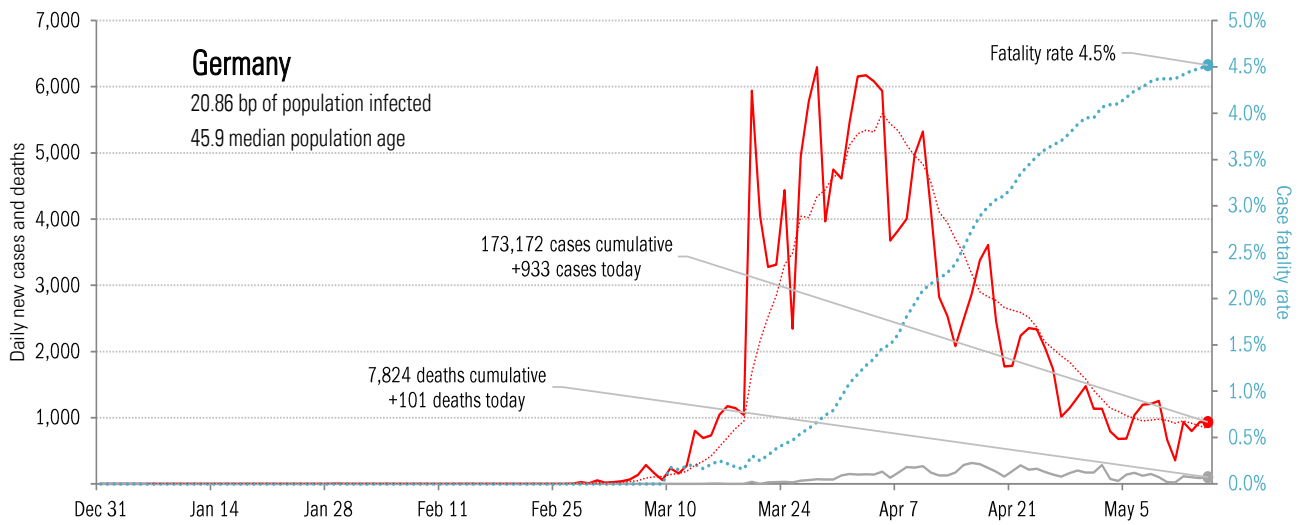
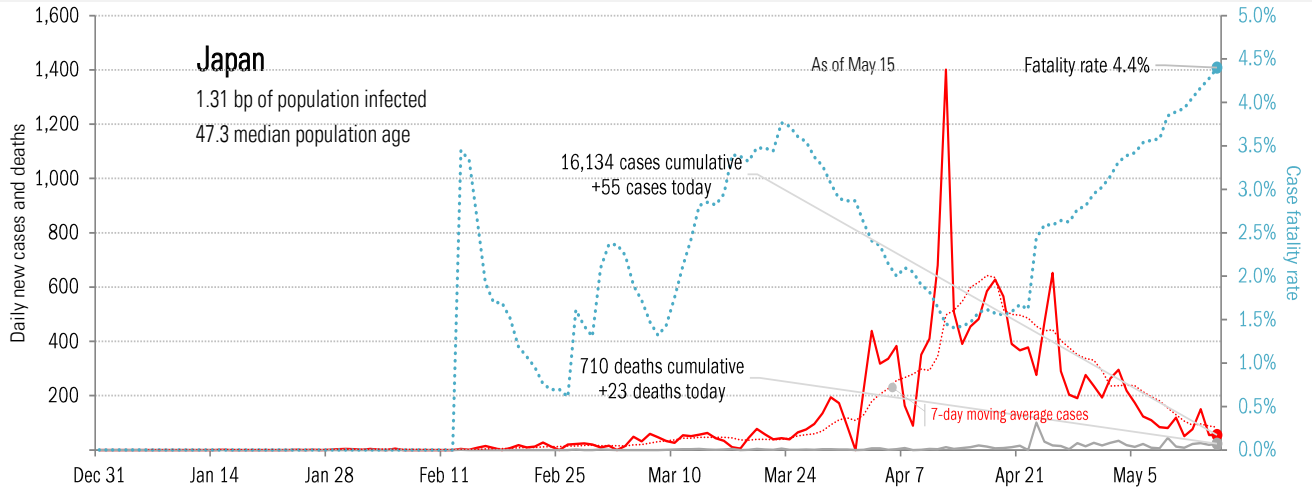
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



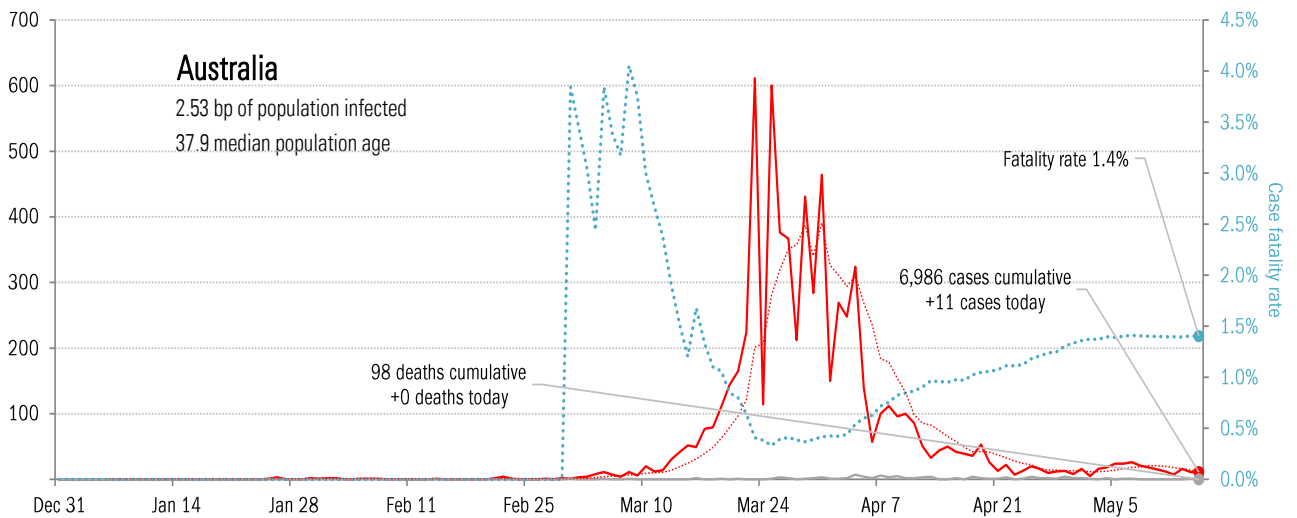
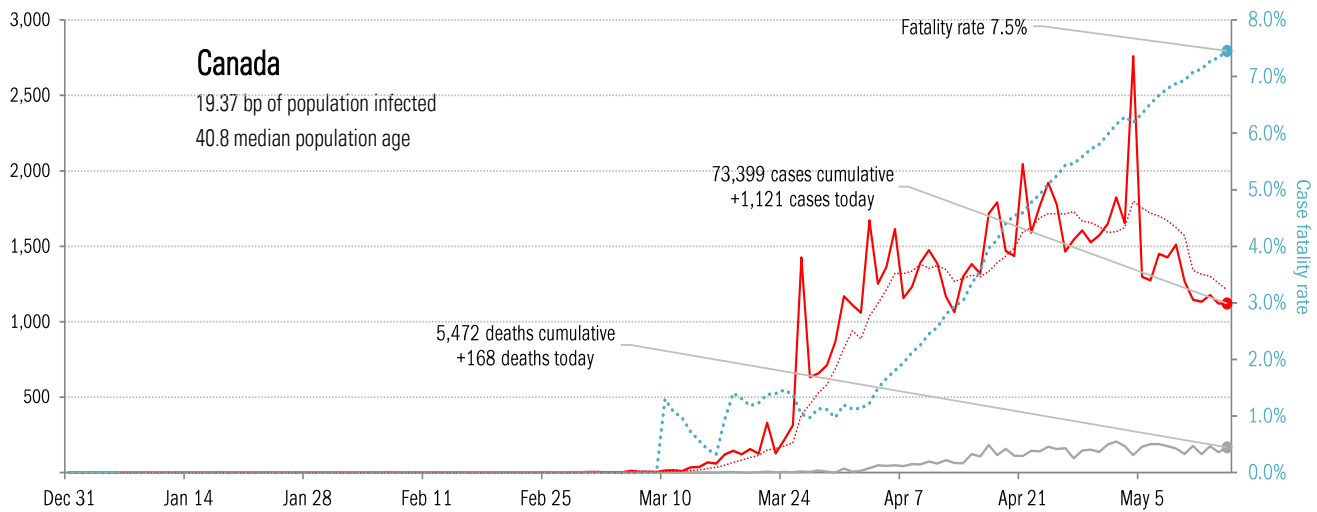
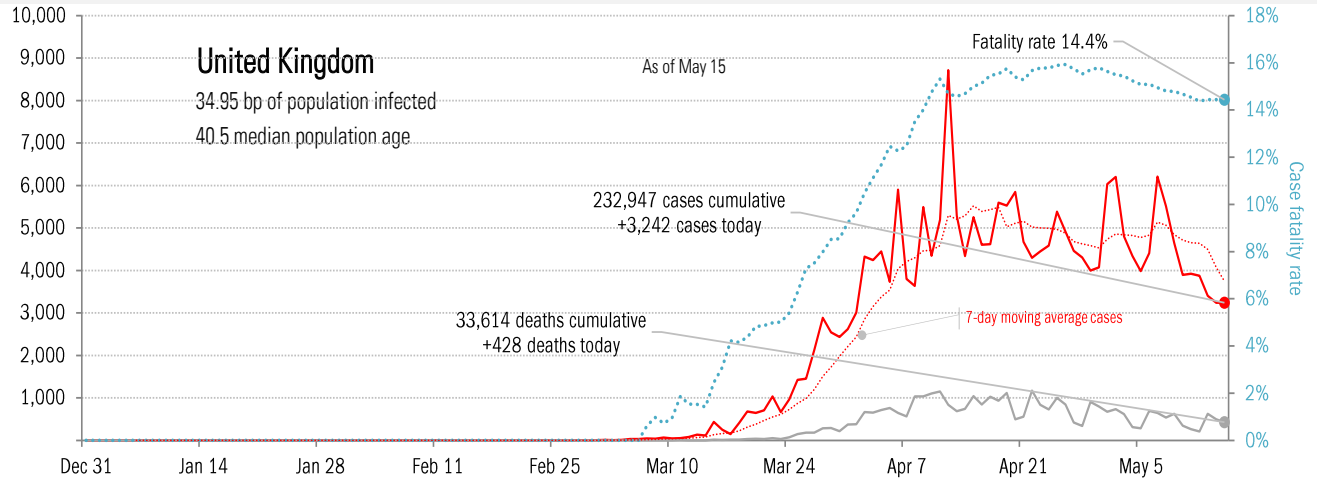
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



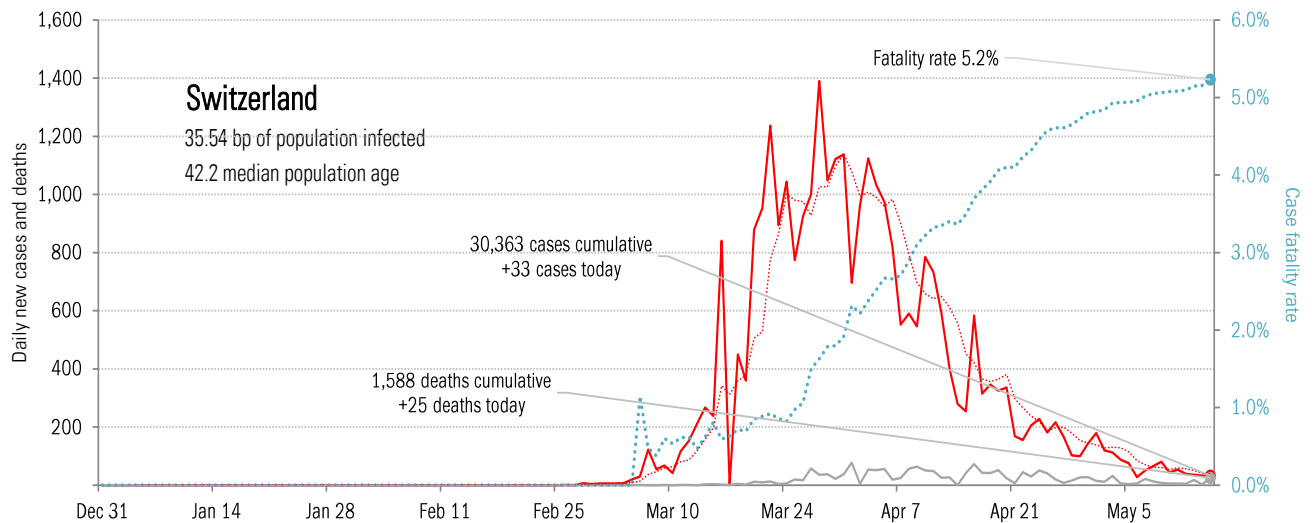
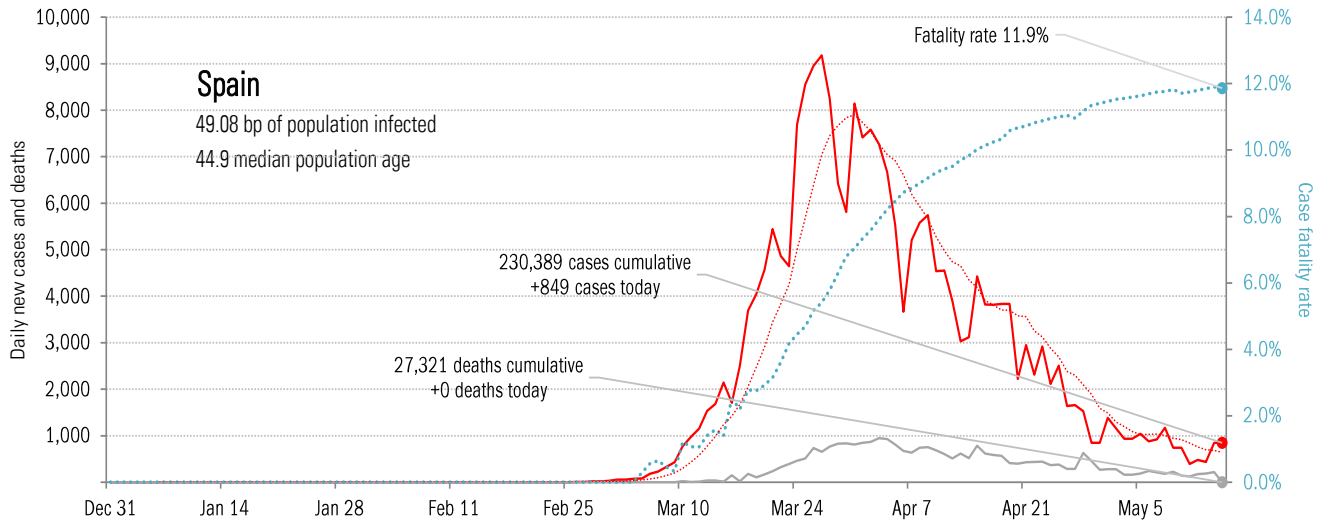
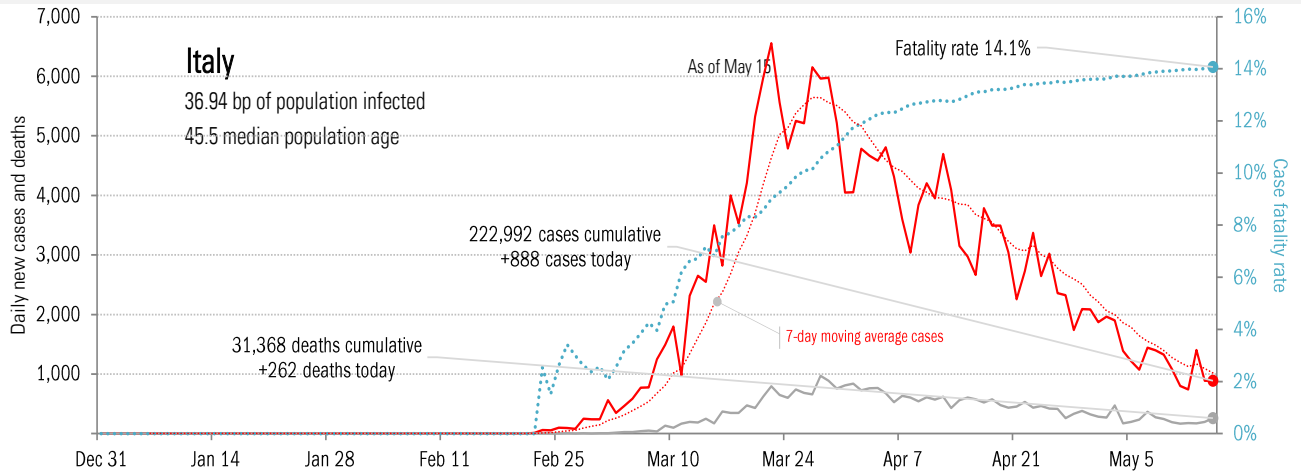
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



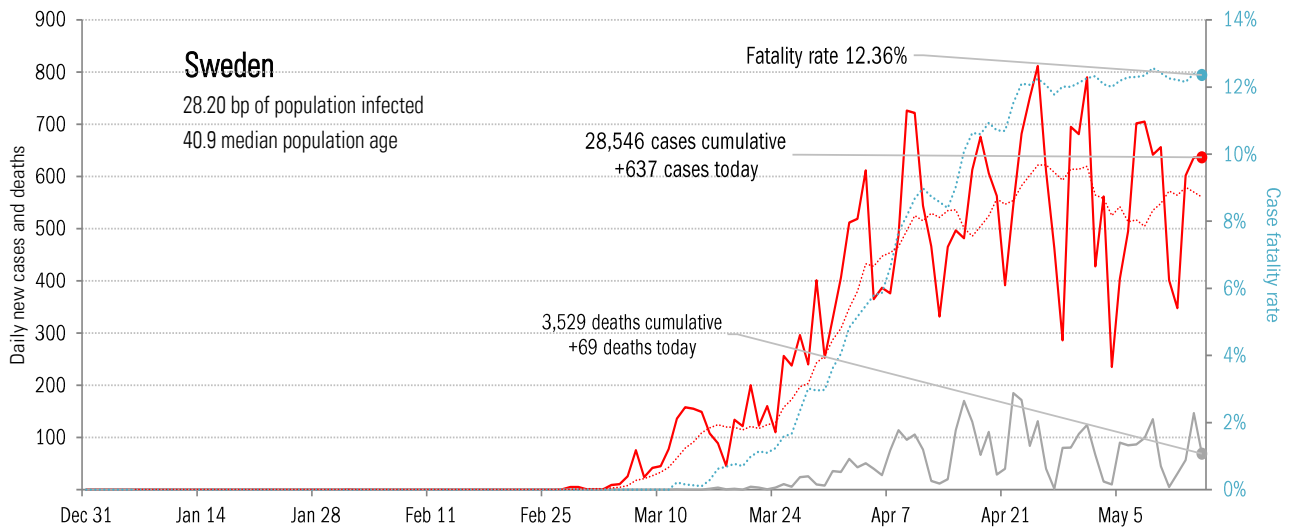
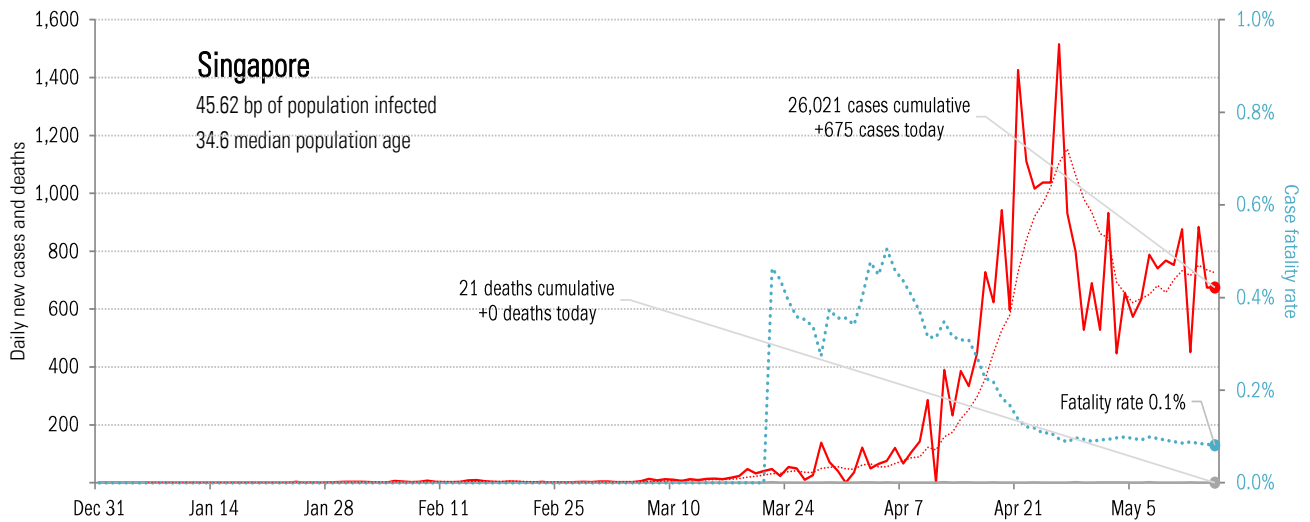
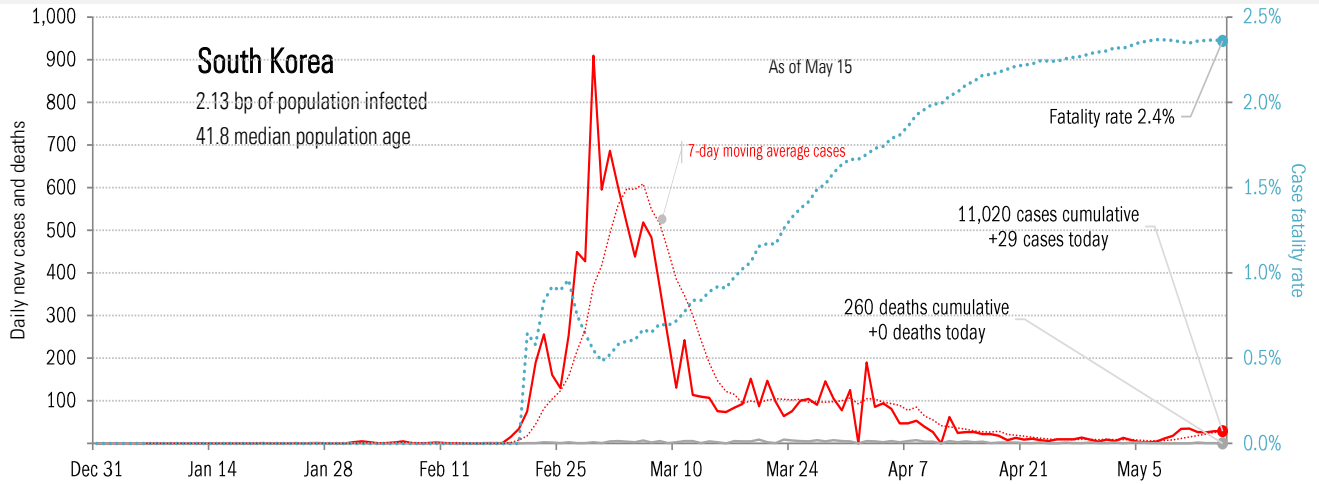
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



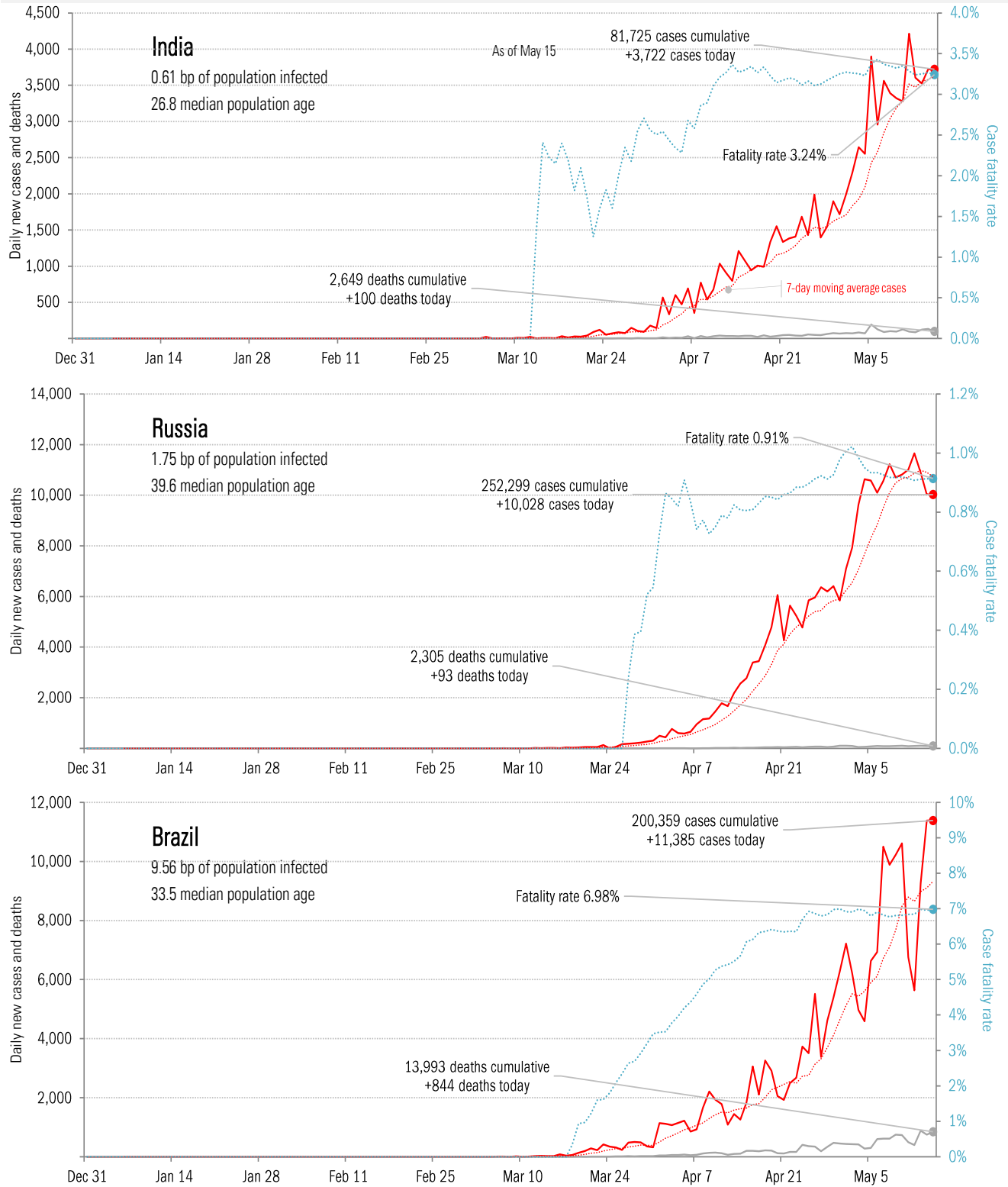
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



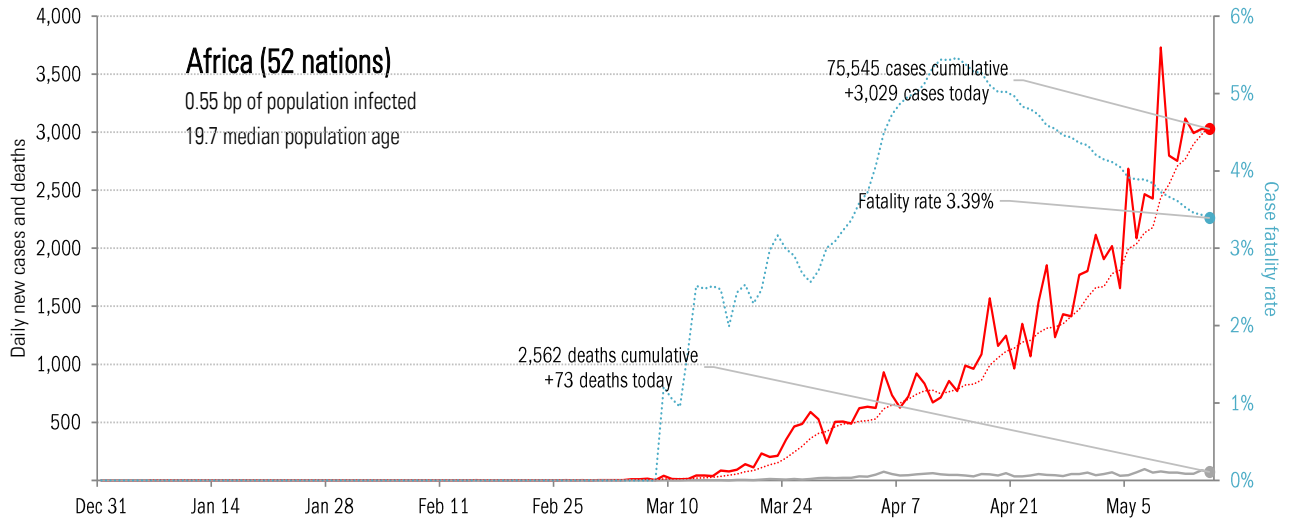
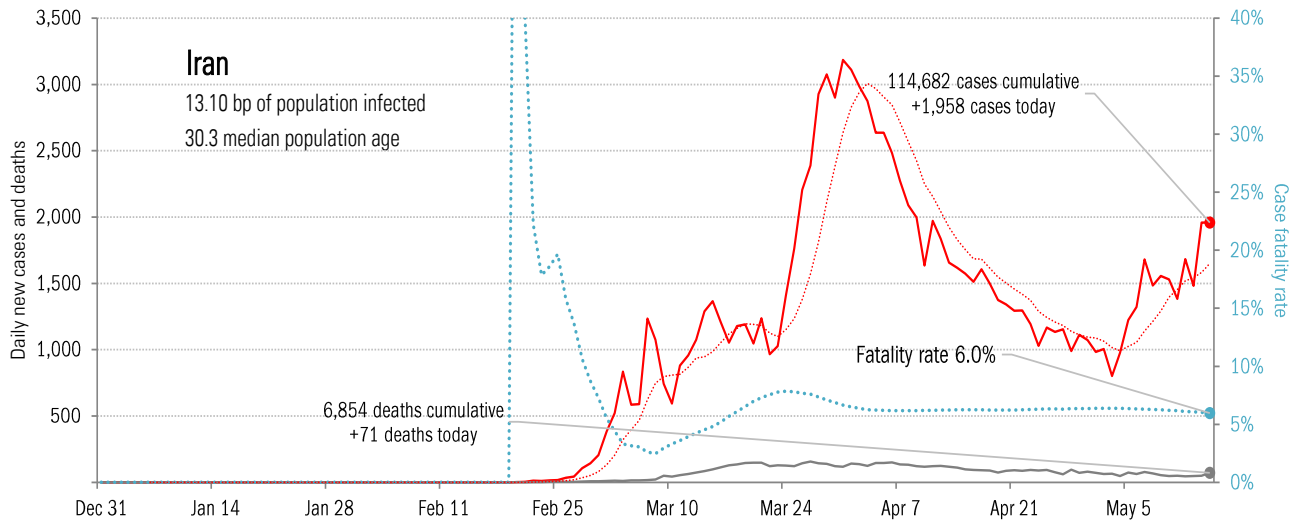
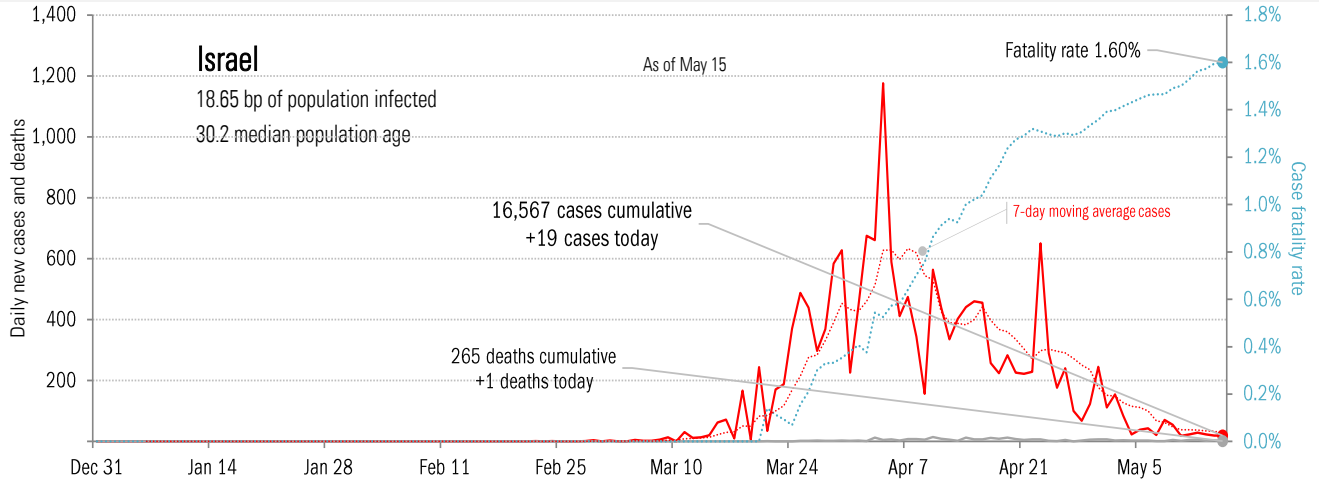
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations