

Data Insights: Covid-2019 Monitor

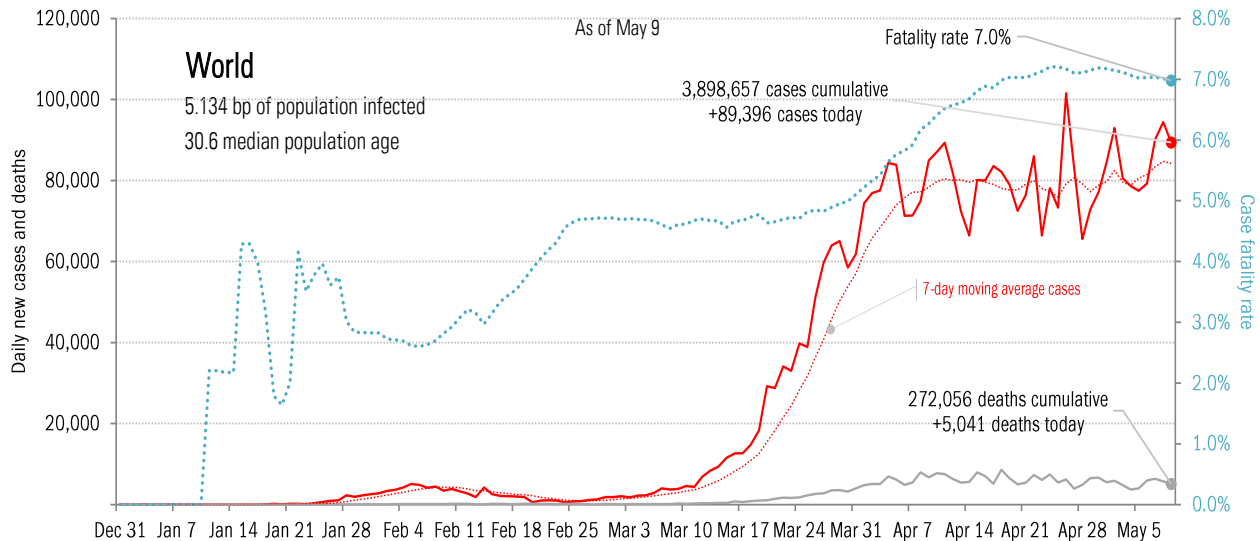
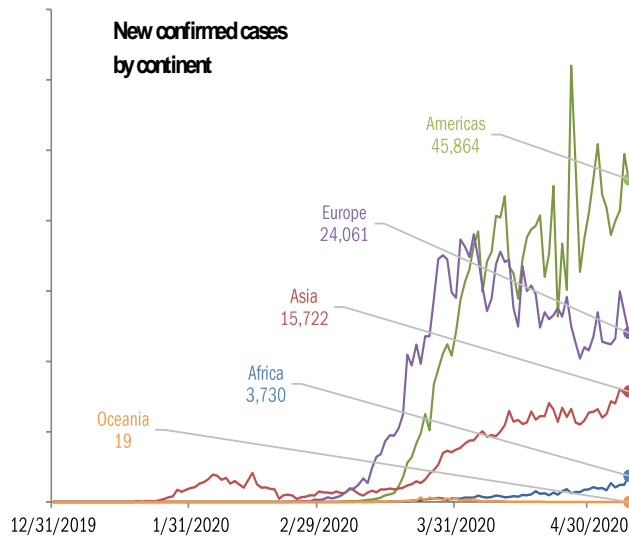
Saturday, May 9, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+26,957	US	+1,510
Russia	+10,699	Brazil	+751
Brazil	+10,222	UK	+626
UK	+4,649	France	+243
Peru	+3,321	Italy	+243
India	+3,320	Mexico	+199
Mexico	+1,906	Canada	+161
Turkey	+1,848	Sweden	+135
Saudi_Arabia	+1,701	Belgium	+106
Pakistan	+1,637	Germany	+103
+66,260		+4,077	
World	+89,396	World	+5,041
Top ten	74%	Top ten	81%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

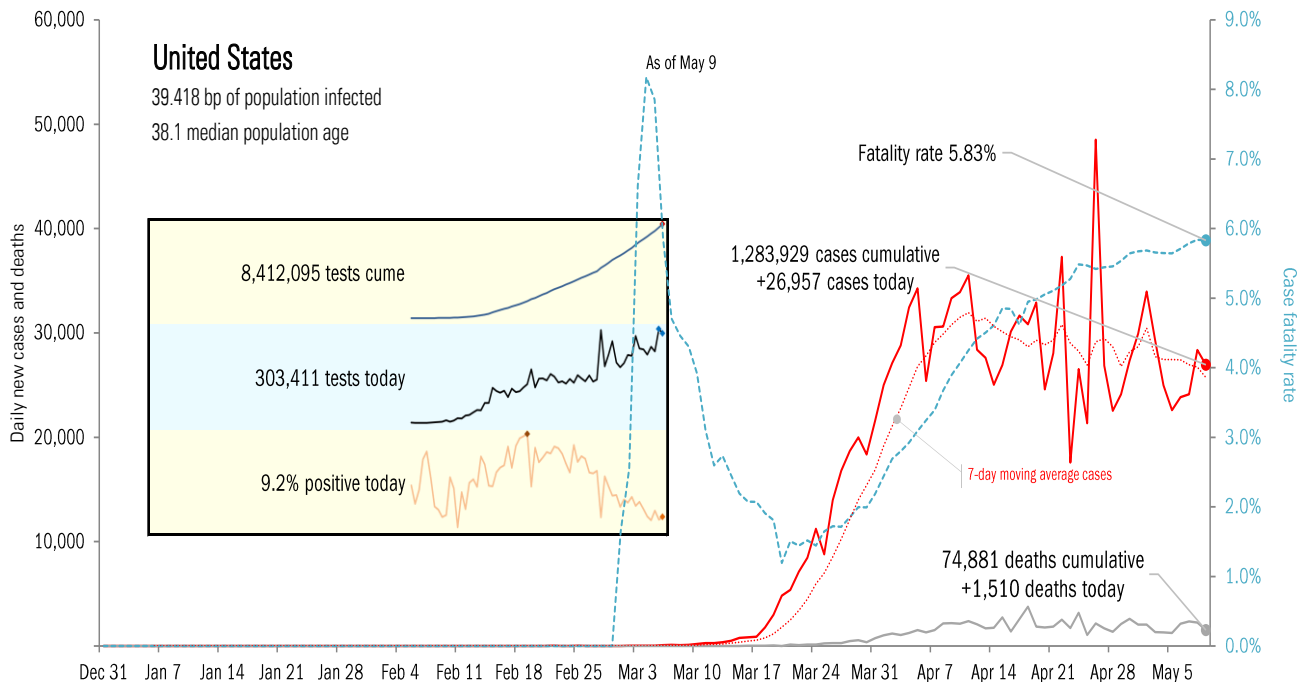
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cure cases		Cure deaths		Cure in hospital	
IL	+2,887	NY	+217	IN	+4,389	NY	330,407	NY	21,045	NY	71,679
NY	+2,758	PA	+200	CO	+571	NJ	135,454	NJ	8,952	CT	9,389
CA	+1,898	NJ	+151	NY	+527	MA	75,333	MA	4,702	MA	7,434
NJ	+1,819	MA	+150	MA	+197	IL	73,760	MI	4,393	FL	7,157
MA	+1,612	IL	+130	VA	+184	CA	62,512	PA	3,616	GA	5,935
PA	+1,323	CA	+81	FL	+167	PA	54,238	IL	3,241	MD	5,811
TX	+1,219	CT	+77	MD	+148	MI	46,326	CT	2,874	VA	4,622
MD	+1,111	FL	+71	GA	+100	FL	39,199	CA	2,585	IN	4,389
CO	+971	AZ	+67	MN	+90	TX	36,609	LA	2,227	OH	4,218
CH	+885	MD	+57	OH	+78	CT	32,411	FL	1,738	CO	3,557
+16,483		+1,201		+6,451		886,249		55,373		124,191	
All states	+27,779	All states	+1,760	All states	+6,861	All states	1,275,916	All states	71,762	All states	142,037
Top ten	59%	Top ten	68%	Top ten	94%	Top ten	69%	Top ten	77%	Top ten	87%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NY	-913	NY	-734	CT	-1,631	NY	+831
VA	-542	PA	-110	VA	-141	TX	+757
FL	-455	NJ	-101	NY	-86	IA	+419
IA	-257	LA	-74	FL	-47	MN	+389
NC	-168	MI	-43	OK	-32	TN	+228



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

Recommended reading

[When to release the lockdown: A wellbeing framework for analysing costs and benefits](#)

Andrew Clark et al.
Centre for Economic Performance
April 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

[Over Half of US Counties Have Had No COVID-19 Deaths](#)

Norbert Michel
Daily Signal
May 7, 2020

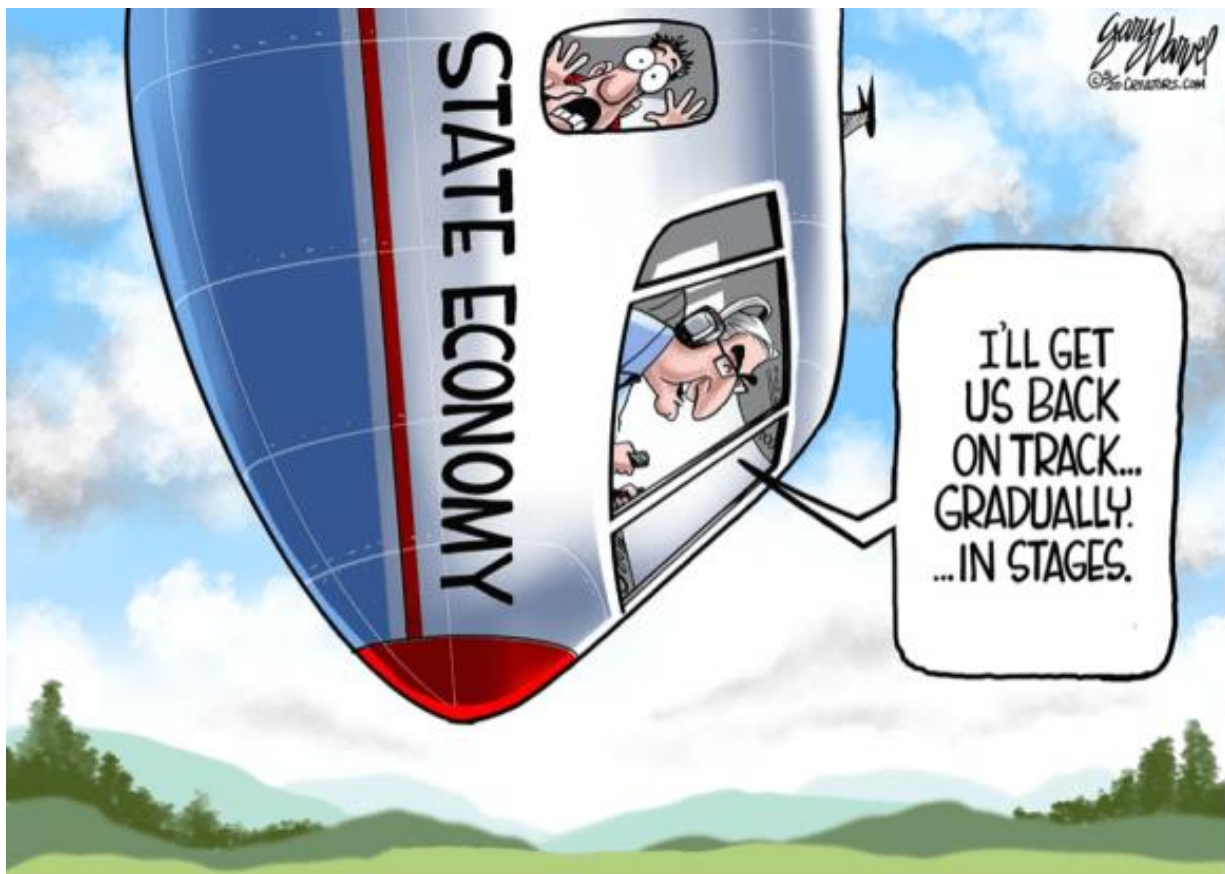
[Code Review of Ferguson's Model](#)

Sue Denim
Lockdown Sceptics
May 8, 2020

[How Germany Kept Its Factories Open During the Pandemic](#)

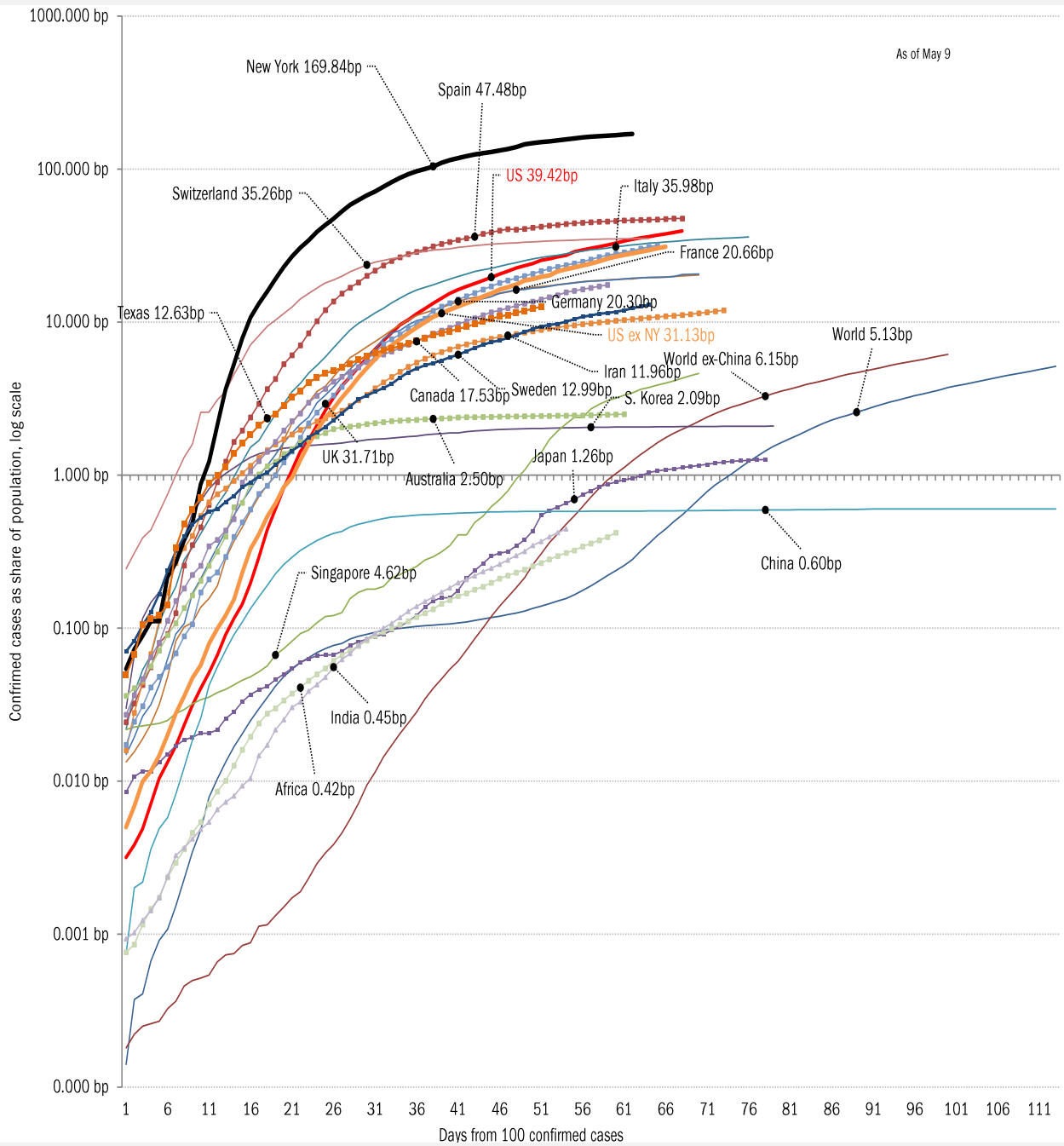
Tom Fairless
Wall Street Journal
May 6, 2020

Meme of the day



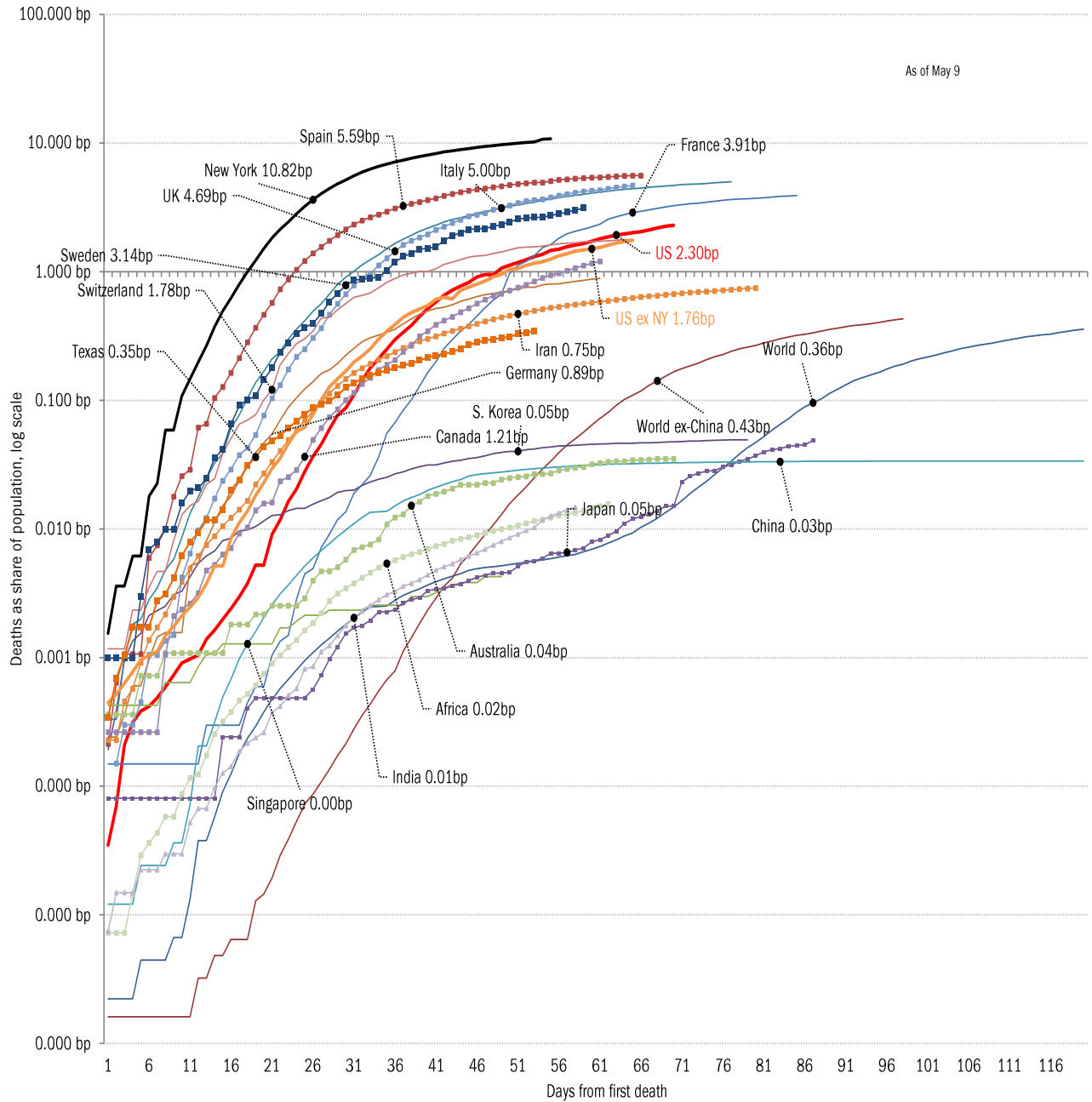
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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



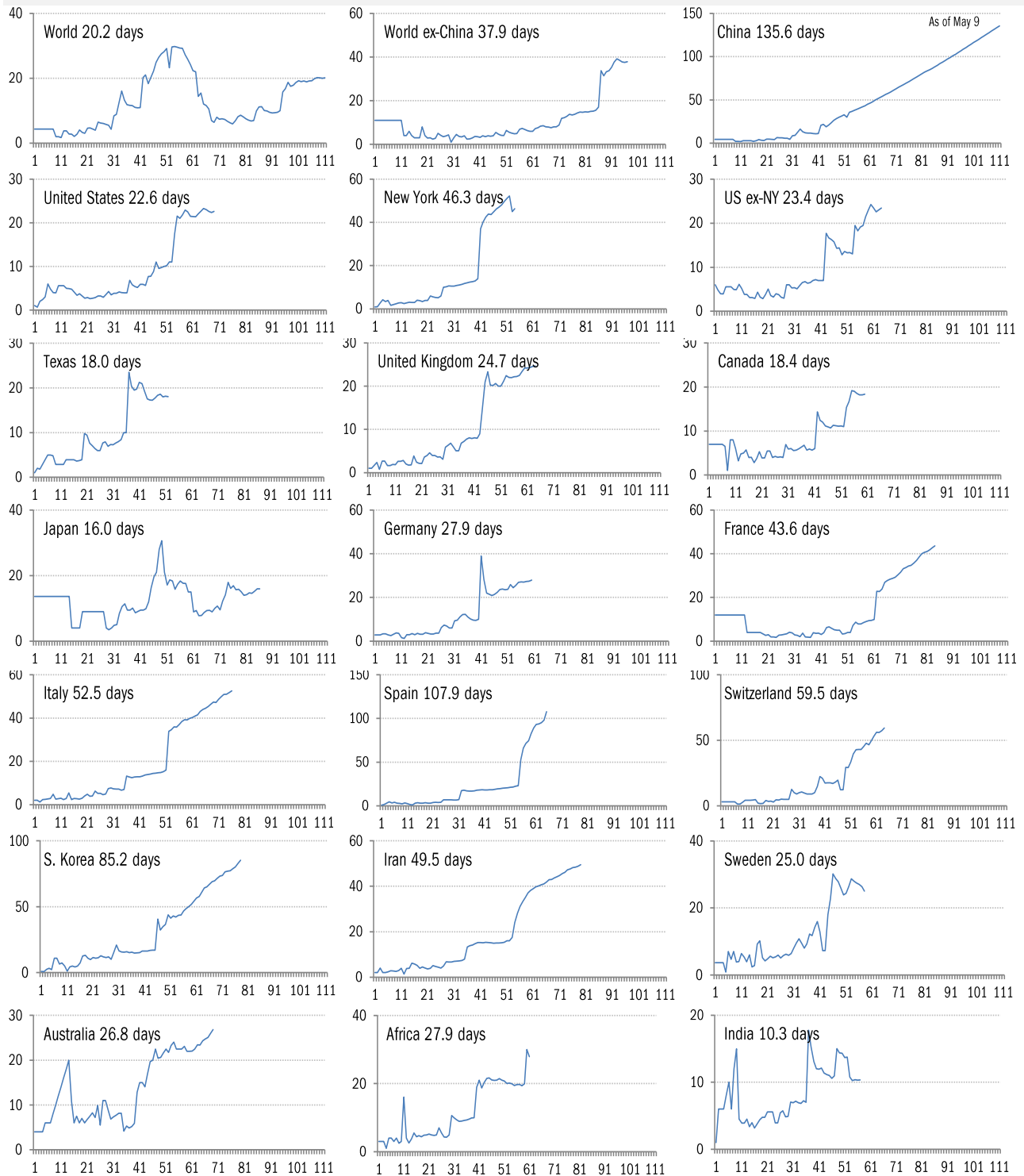
Source: [ECDC](#), TrendMacro calculations

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

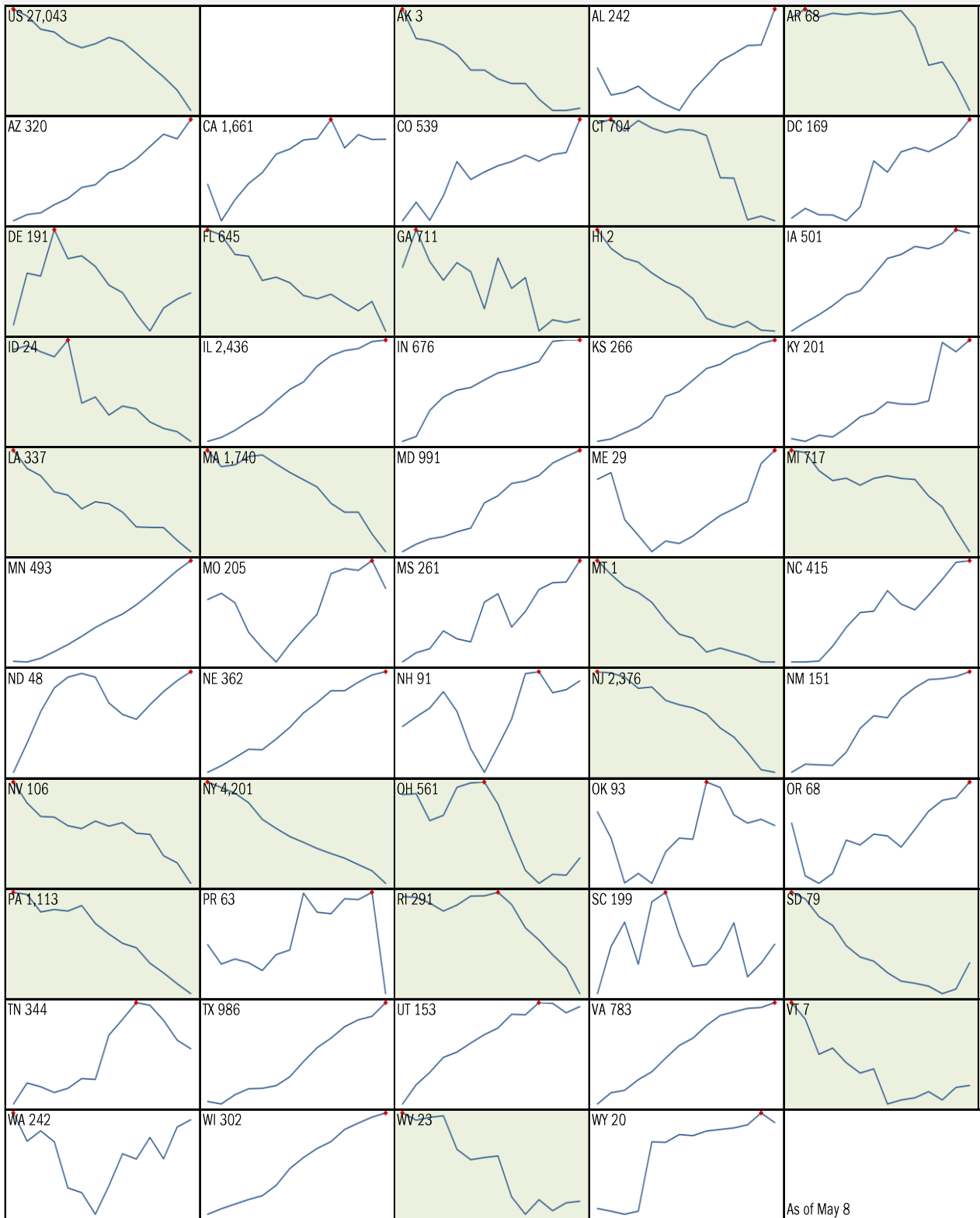
Progress means seeing the line move up and to the right. . .

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



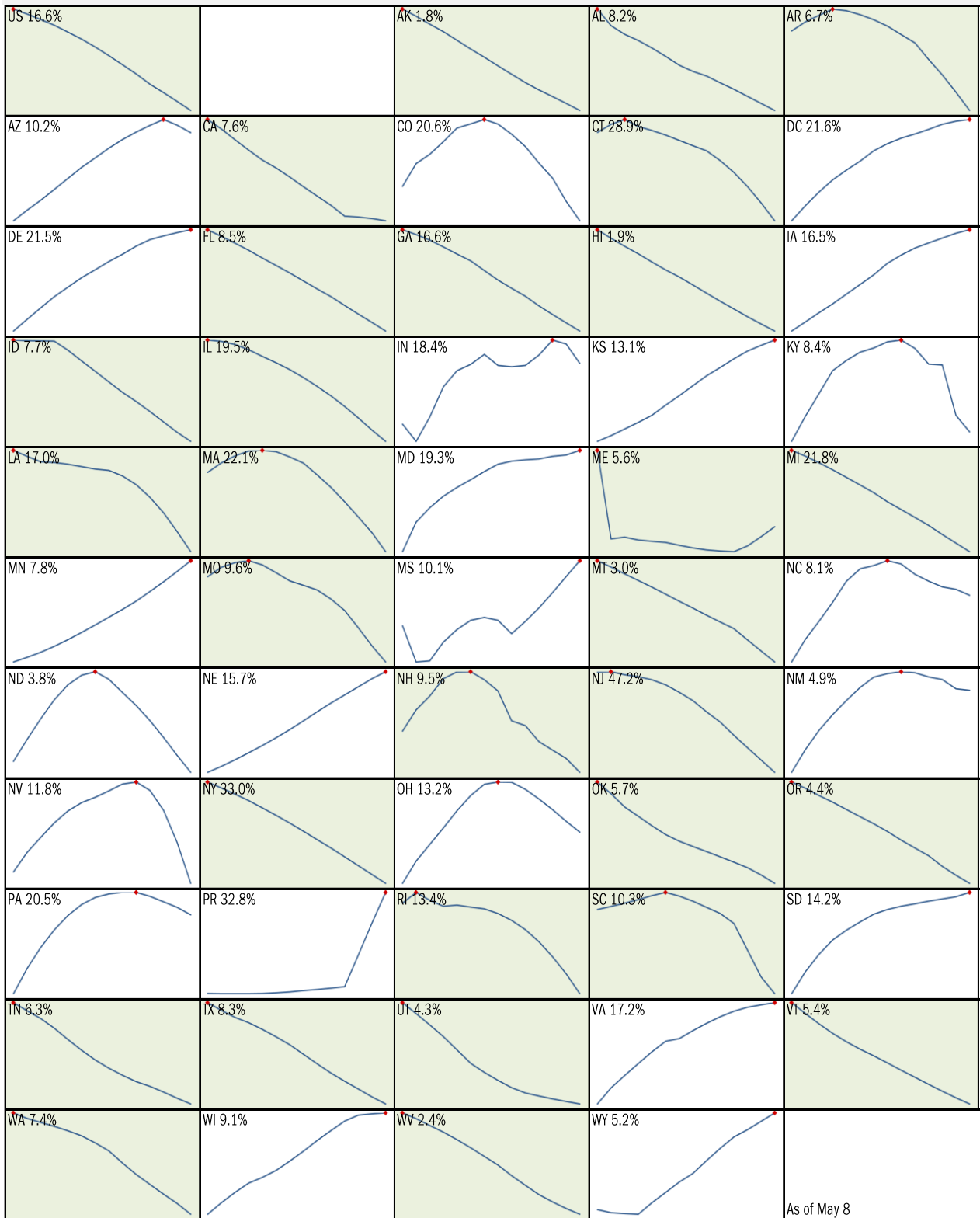
Source: [ECDC](#), TrendMacro calculations

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*



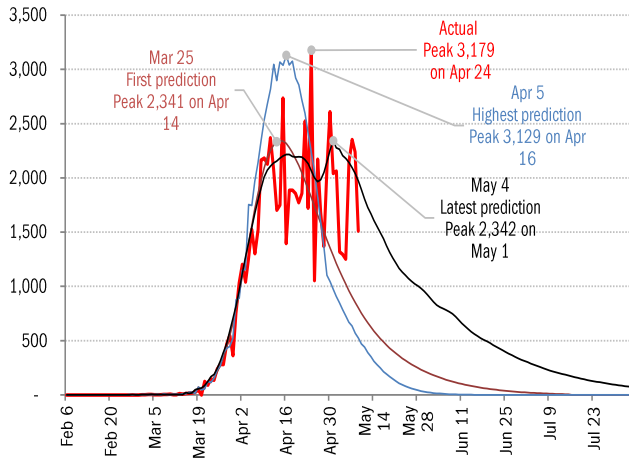
Source: [Covid Tracking Project](#), TrendMacro calculations

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

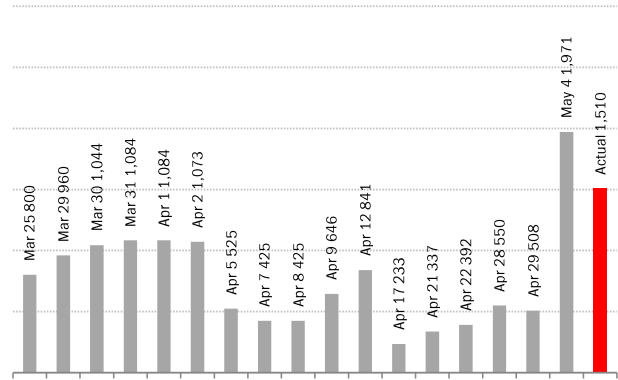
New daily fatalities

As of May 9

Actual versus first, highest and latest model mean predictions

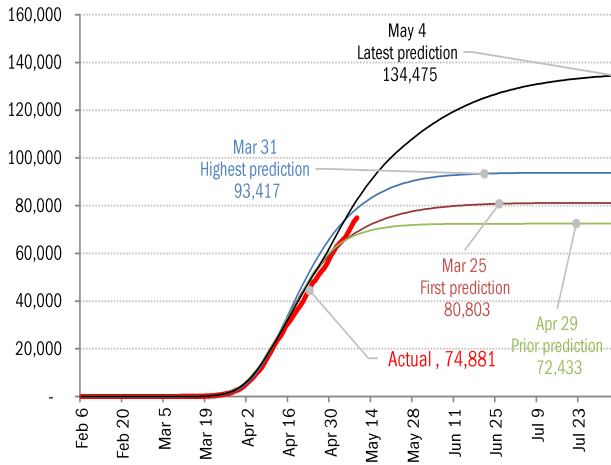


For this day, versus all model mean predictions

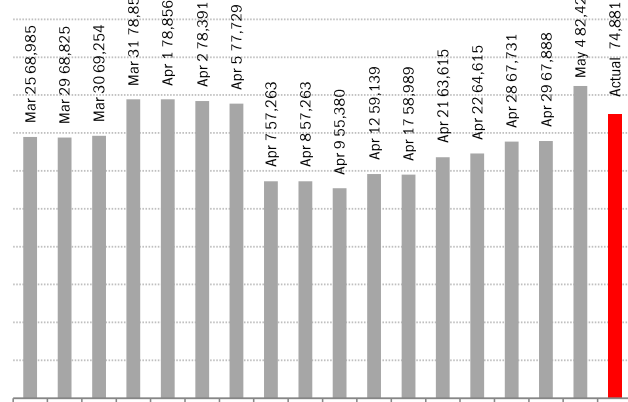


Cumulative fatalities

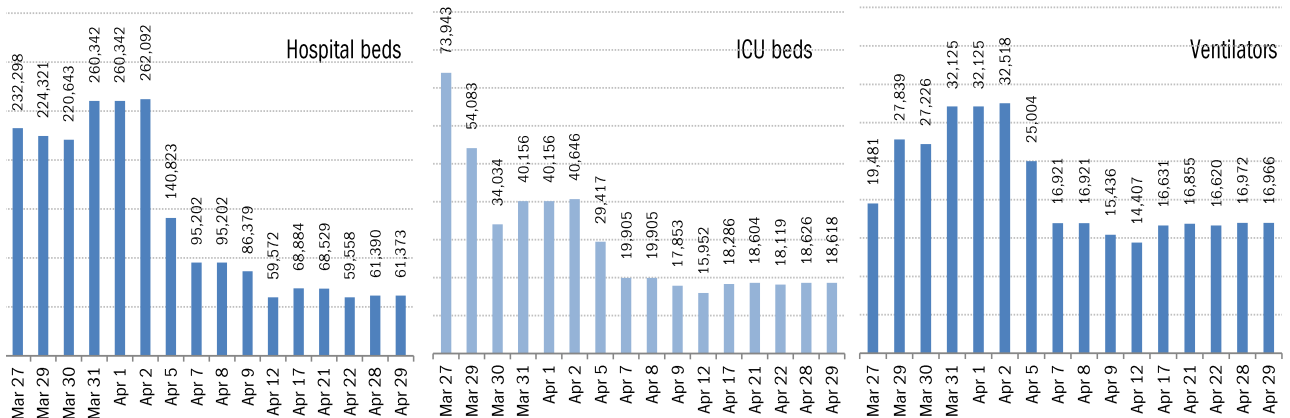
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

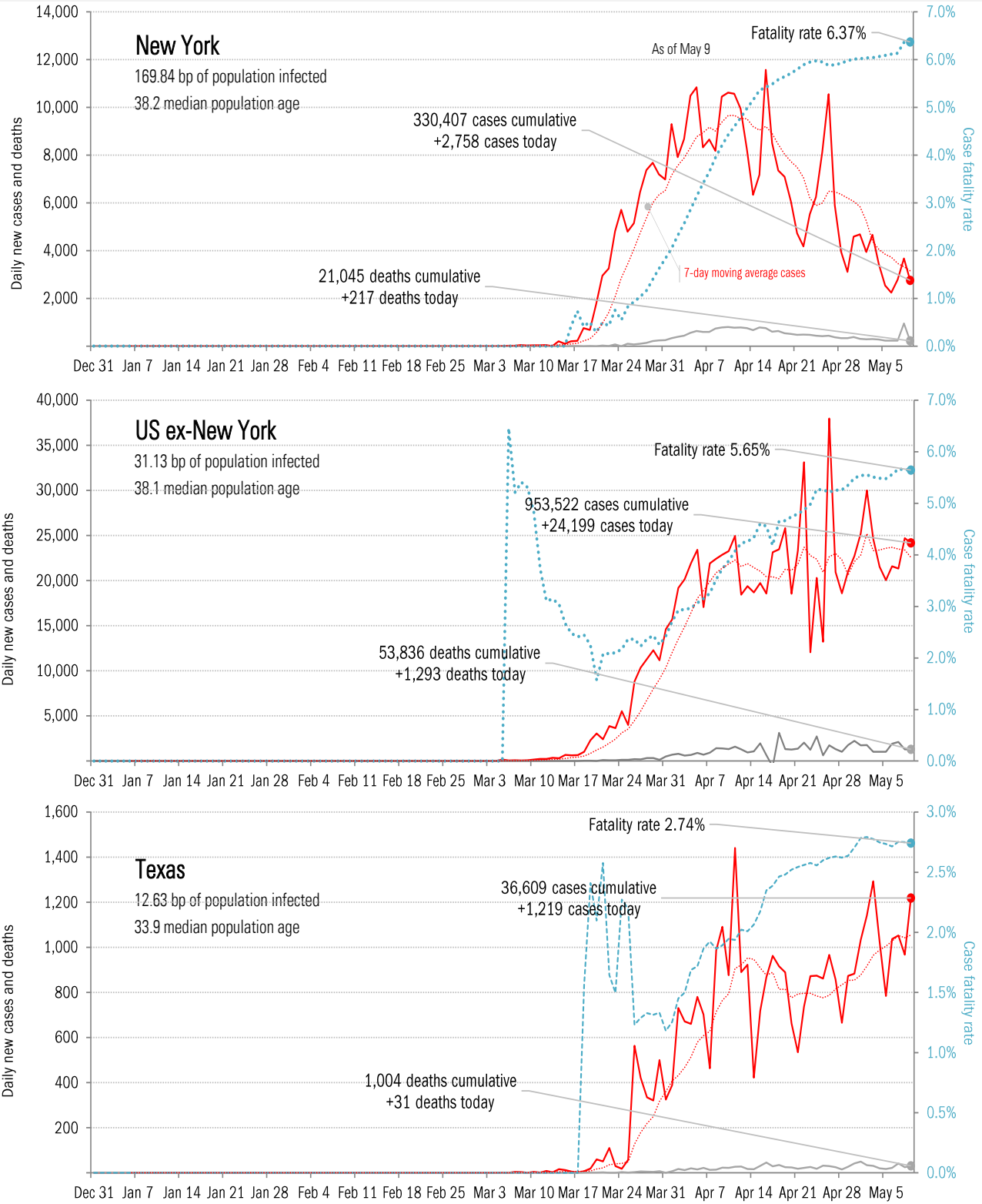


Healthcare system stress, peak estimated at each model revision



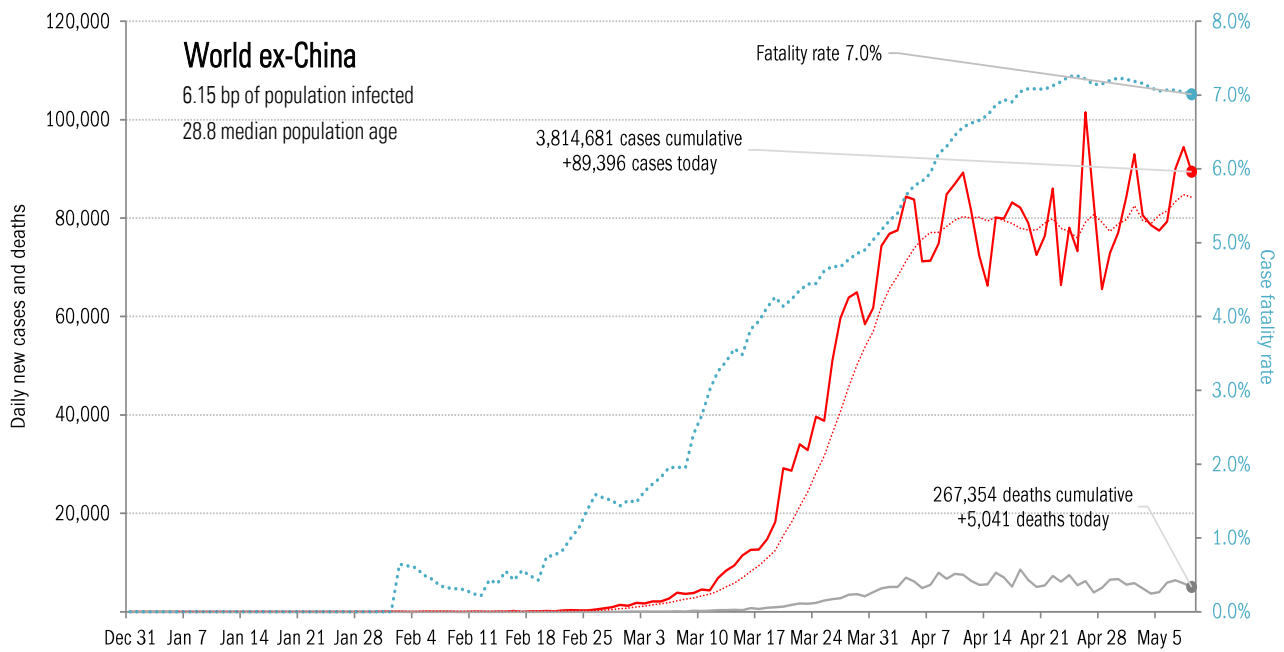
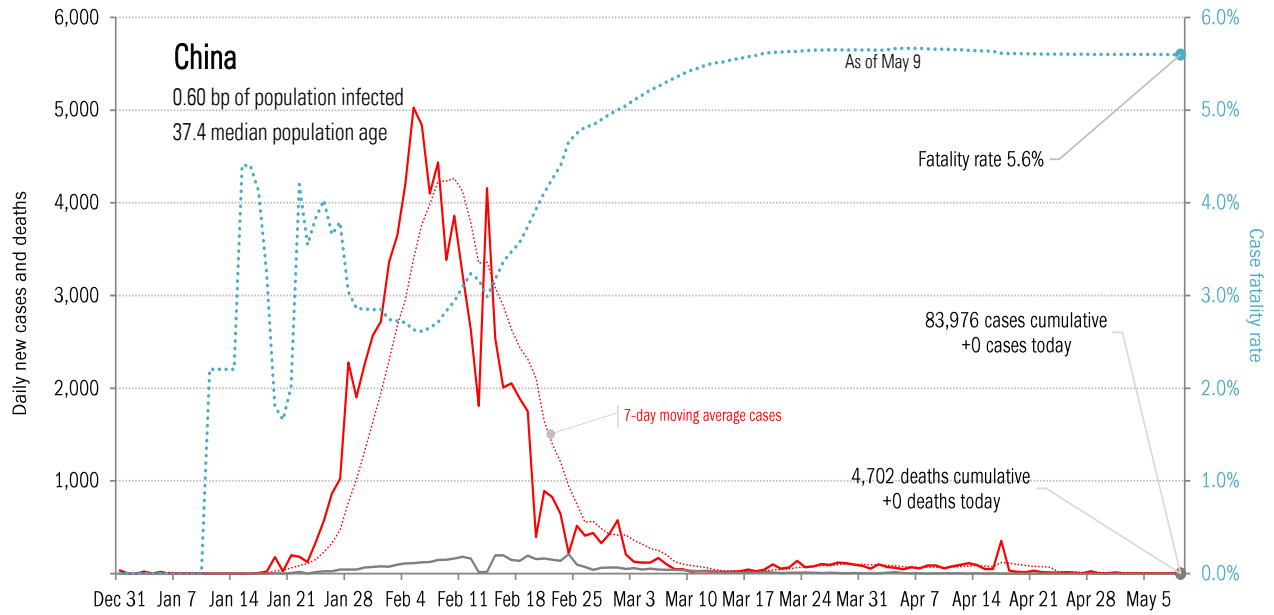
Source: [ECDC](#), TrendMacro calculations

From Ground Zero to the Rio Grande



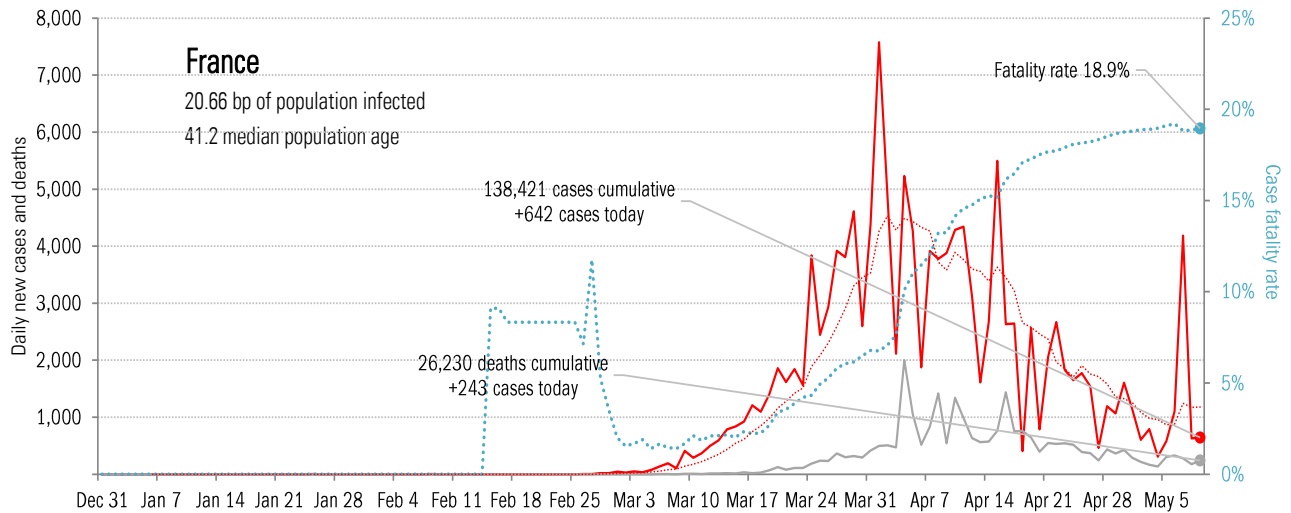
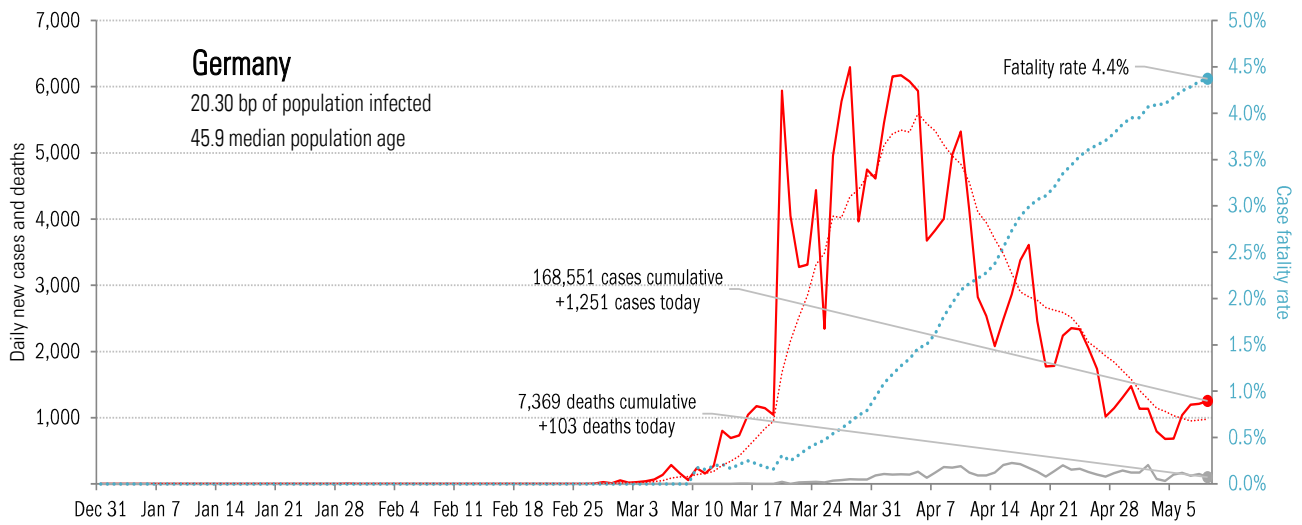
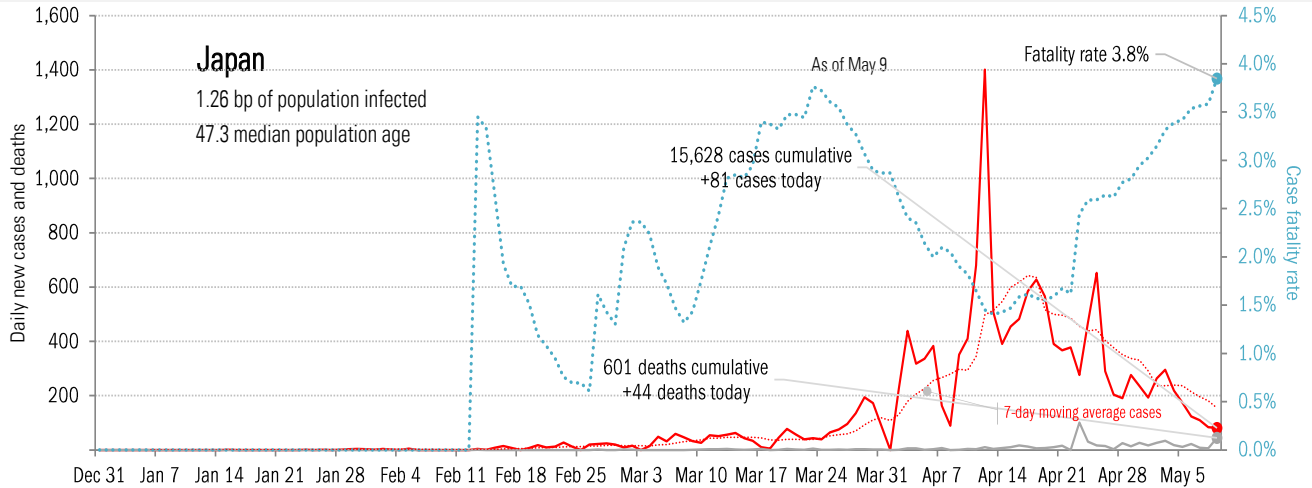
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



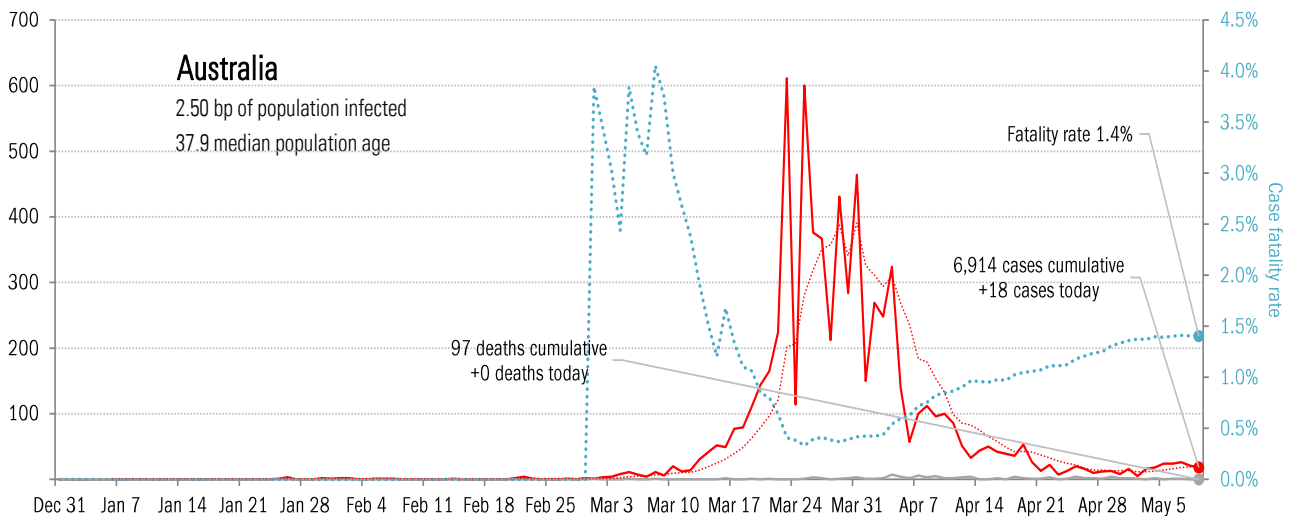
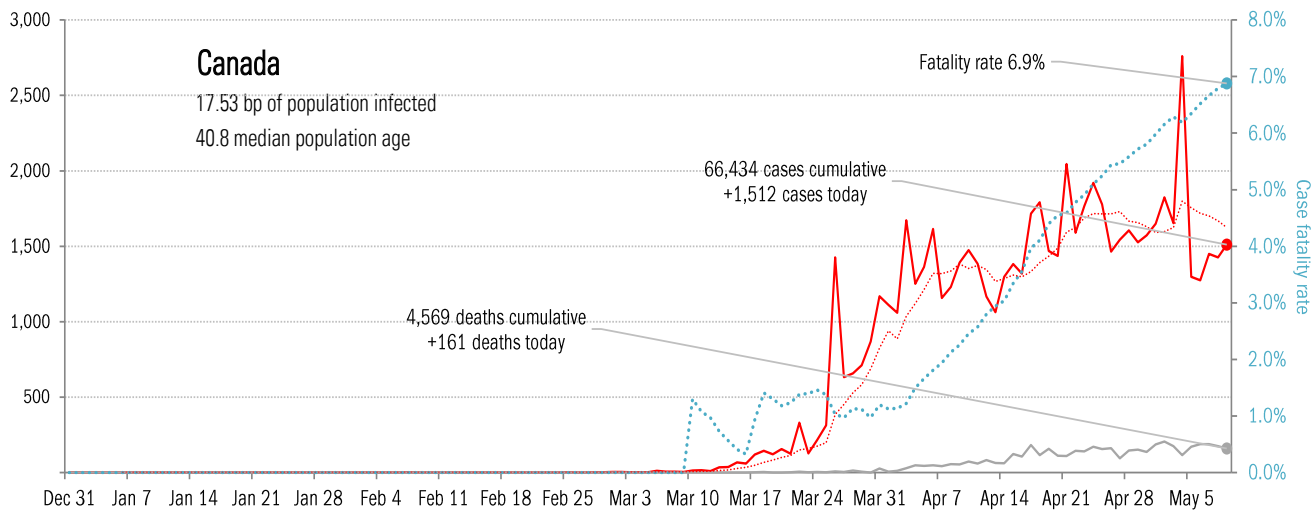
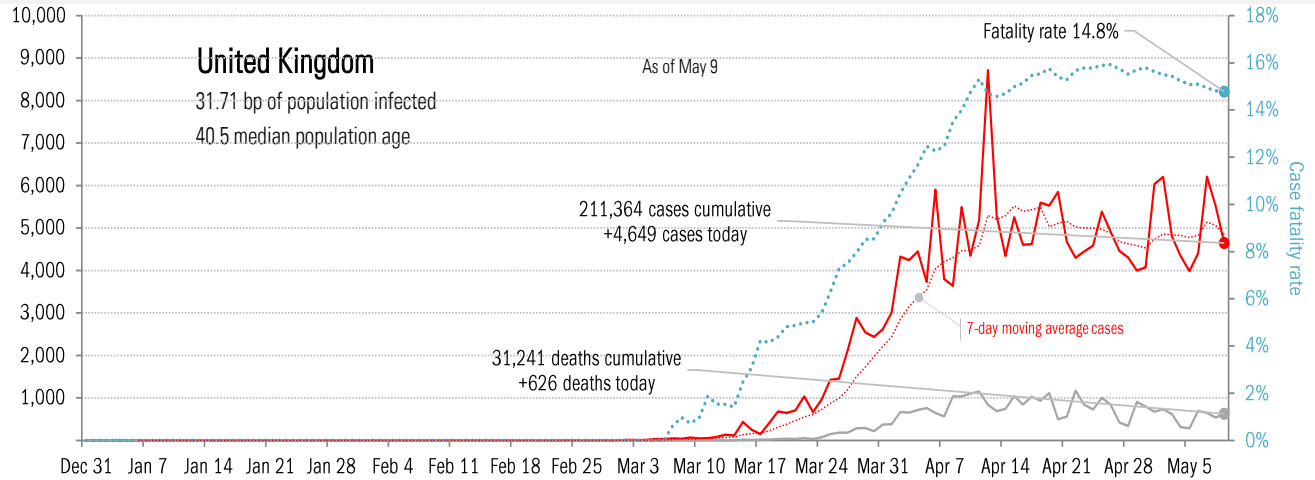
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



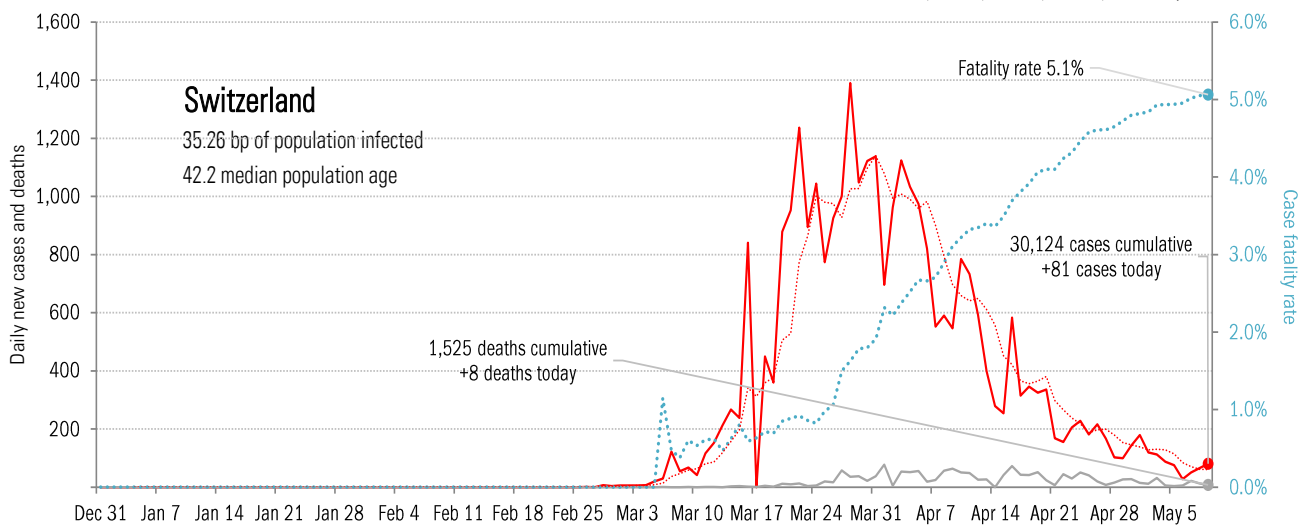
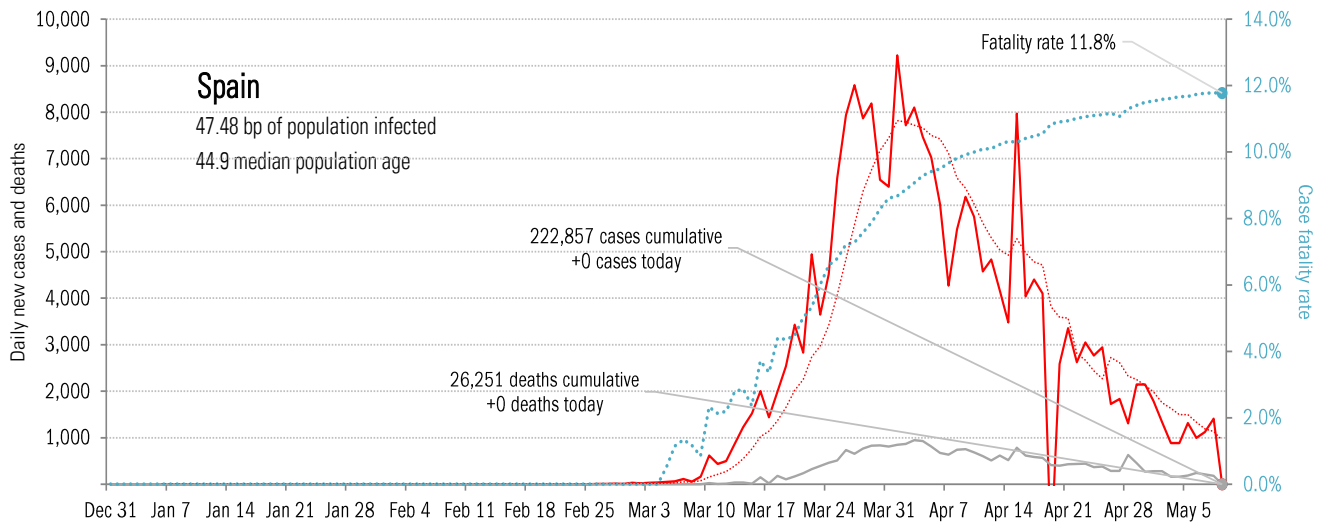
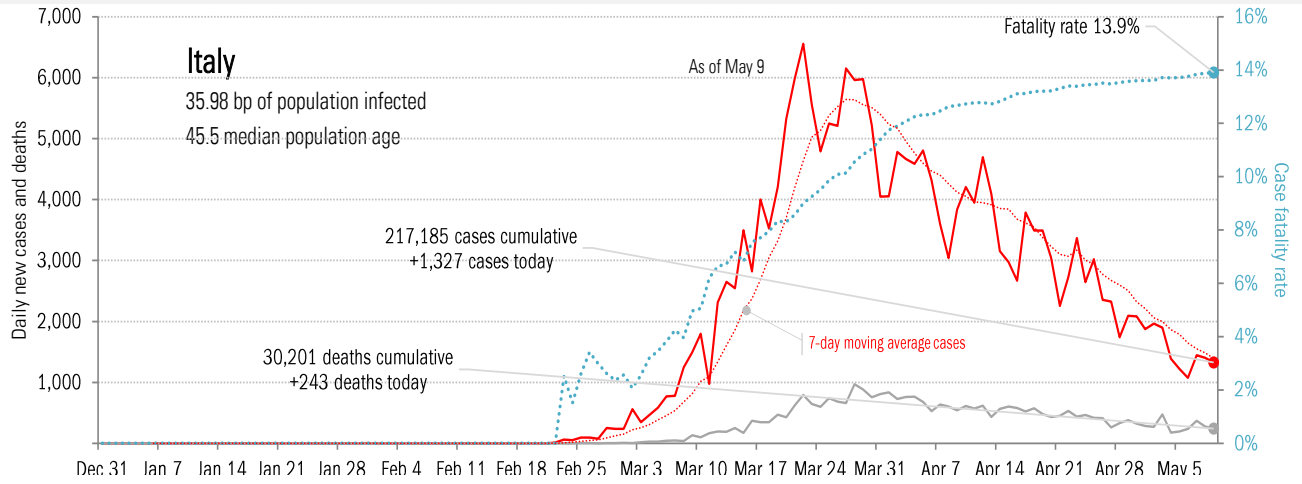
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



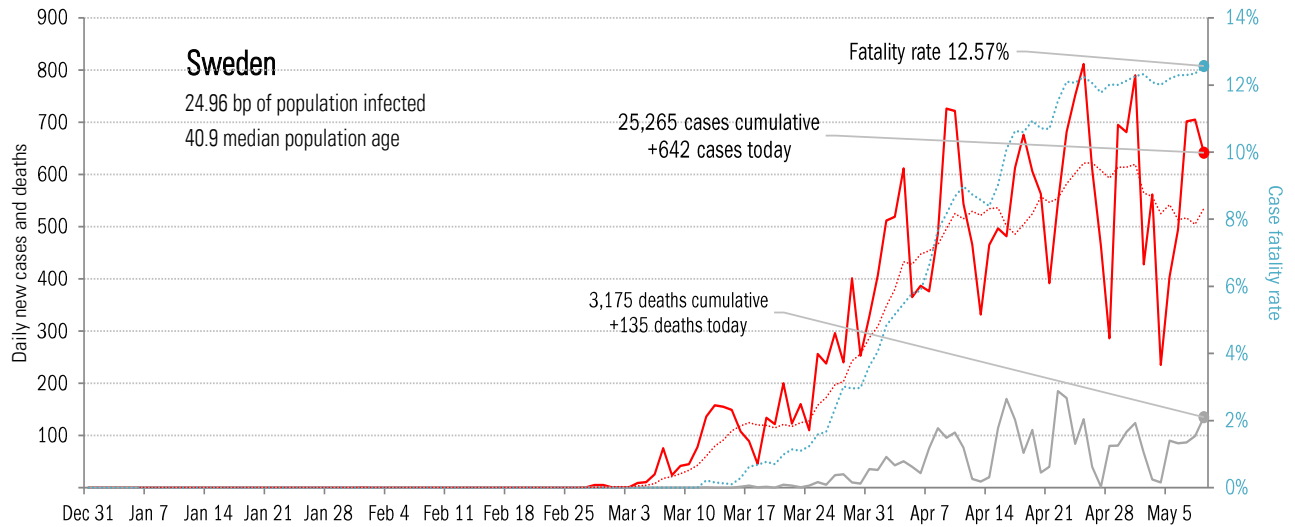
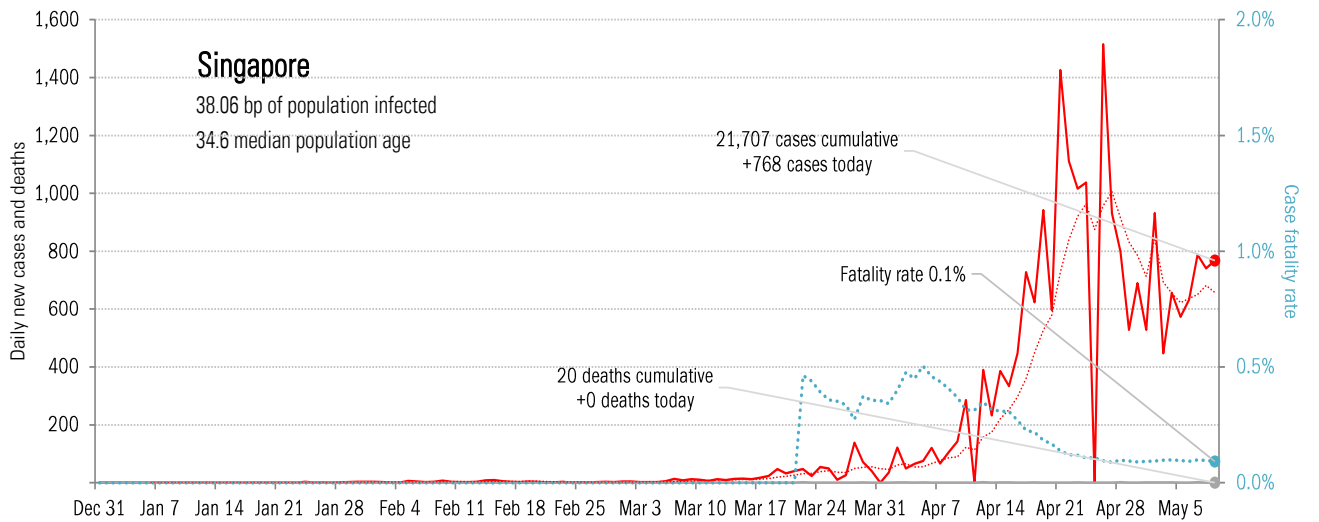
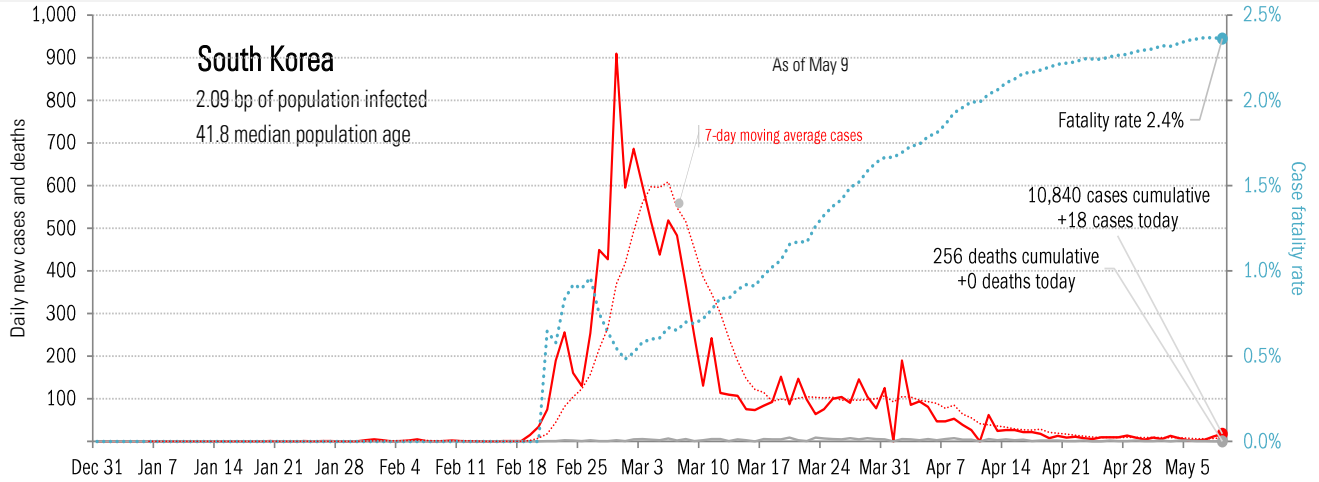
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



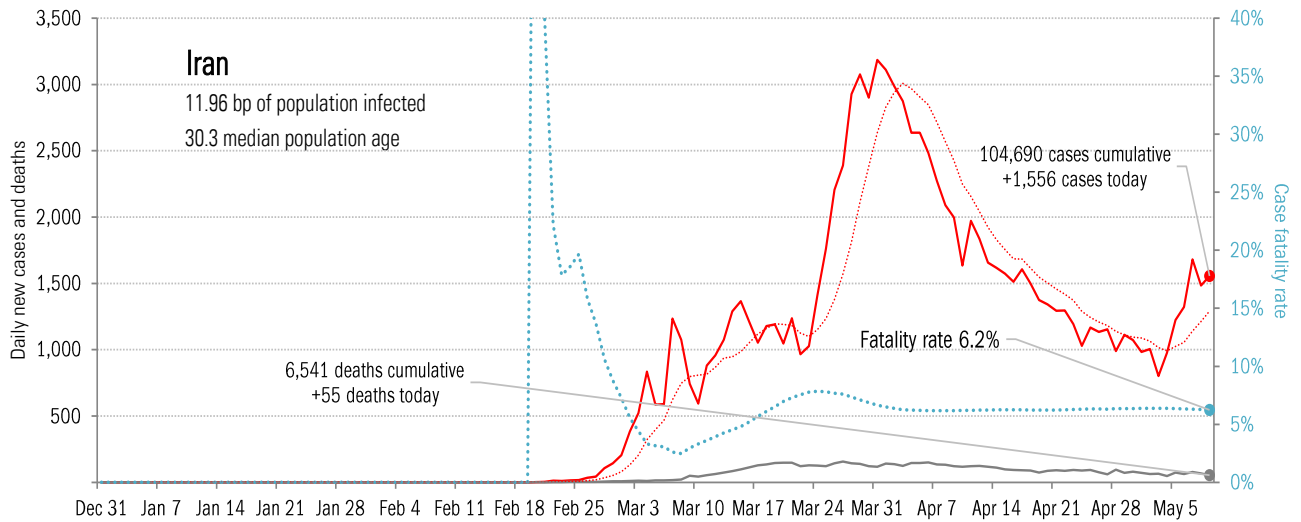
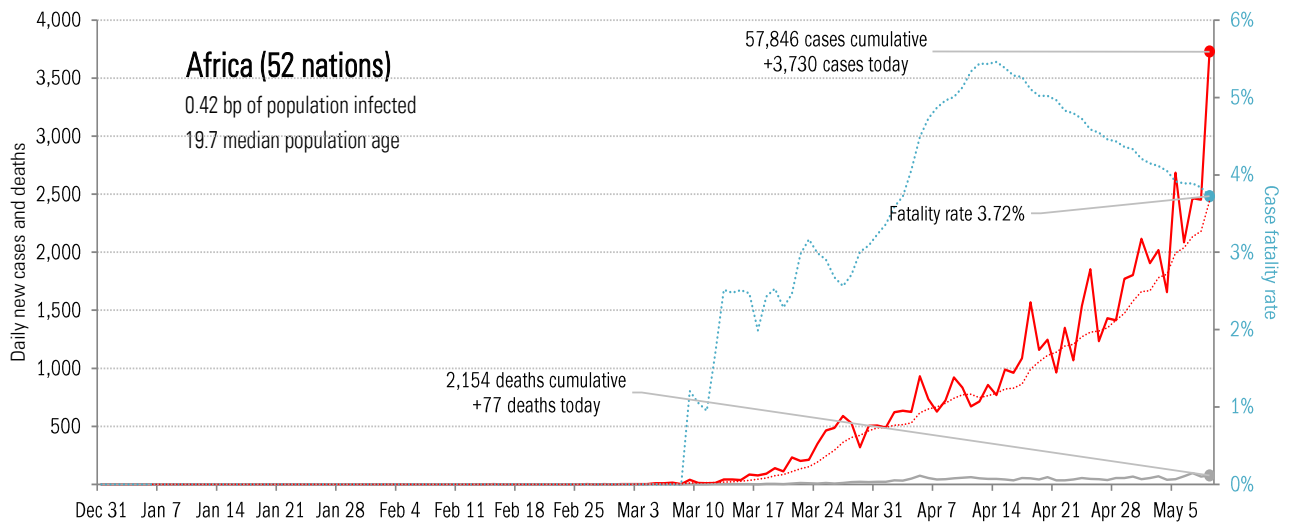
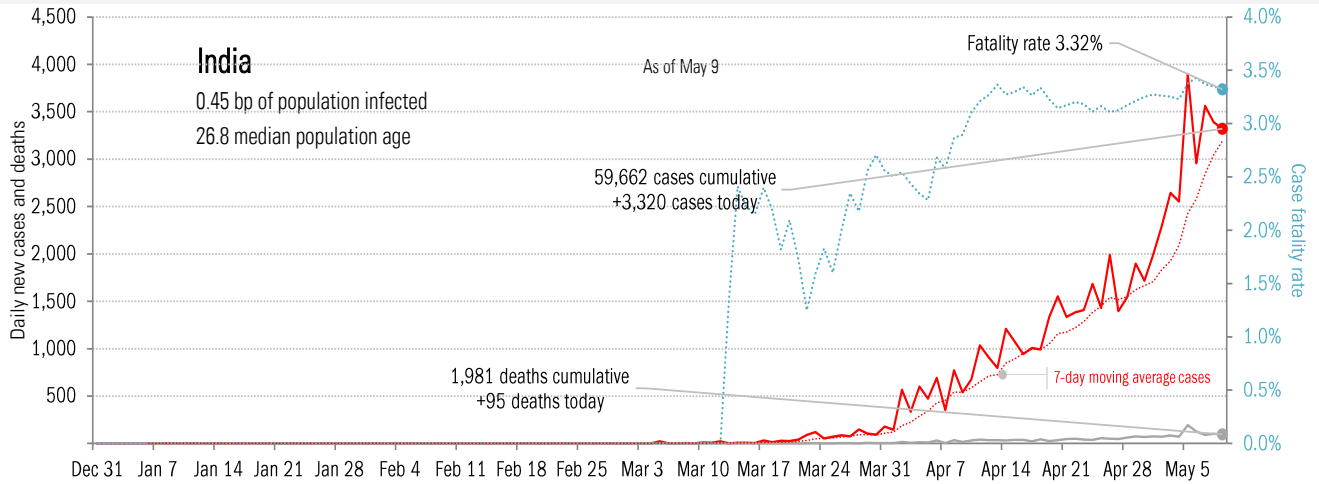
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

Impact in the fragile emerging world



Source: [ECDC](#), TrendMacro calculations