

Data Insights: Covid-2019 Monitor

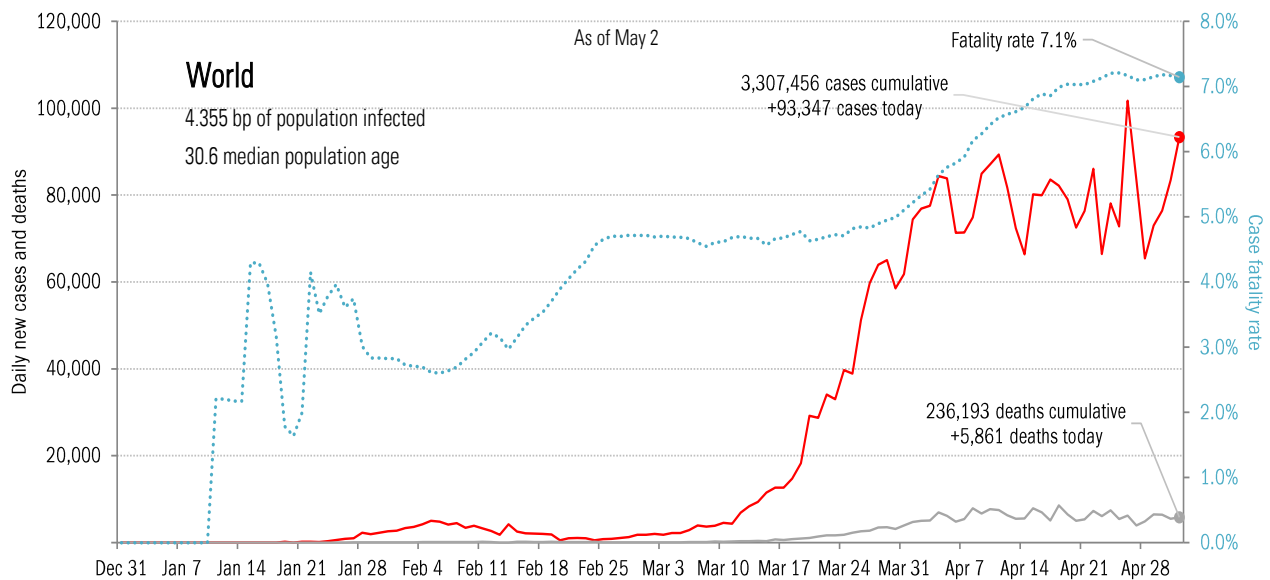
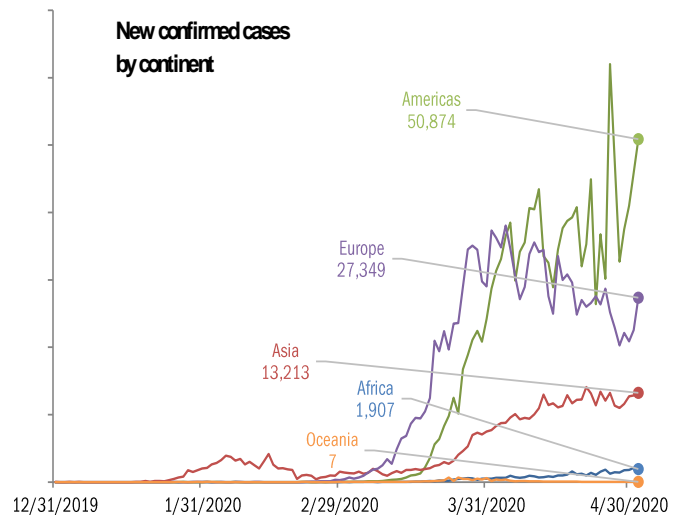
Saturday, May 2, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+33,955	US	+2,062
Russia	+7,933	UK	+739
Brazil	+6,209	Brazil	+428
UK	+6,201	Germany	+287
Peru	+3,483	Spain	+281
Germany	+2,584	Italy	+269
India	+2,293	France	+218
Turkey	+2,188	Canada	+207
Italy	+1,965	Ecuador	+163
Canada	+1,825	Mexico	+113
+68,636		+4,767	
World	+93,347	World	+5,861
Top ten	74%	Top ten	81%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

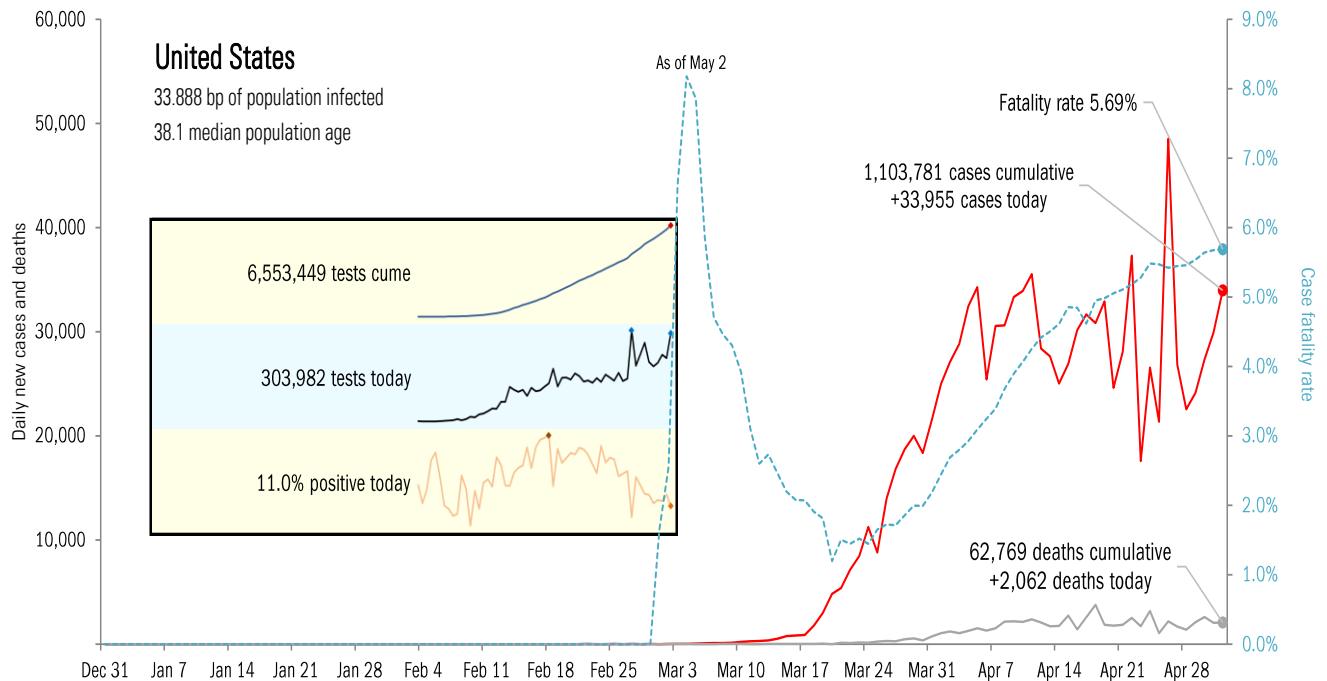
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cure cases		Cure deaths		Cure in hospital	
NY	+3,942	NJ	+310	CT	+7,758	NY	308,314	NY	18,610	NY	67,180
IL	+3,137	NY	+289	NY	+811	NJ	121,190	NJ	7,538	CT	7,758
NJ	+2,538	MA	+154	MA	+227	MA	64,311	MI	3,866	MA	6,169
MA	+2,106	IL	+102	MD	+159	IL	56,055	MA	3,716	FL	5,795
MD	+1,730	CA	+91	GA	+113	CA	50,442	IL	2,457	GA	5,269
CA	+1,525	CT	+82	SC	+110	PA	46,971	PA	2,354	MD	4,718
TN	+1,525	MI	+77	OH	+101	MI	42,356	CT	2,339	VA	3,654
PA	+1,208	LA	+65	TN	+100	FL	34,728	CA	2,073	OH	3,634
TX	+1,142	PA	+62	CO	+76	TX	29,229	LA	1,927	CO	2,697
GA	+1,115	IN	+61	MN	+52	CT	28,764	FL	1,314	WI	1,544
	+19,968		+1,293		+9,507		782,360		46,194		108,418
All states	+33,547	All states	+1,743	All states	+9,793	All states	1,095,681	All states	59,059	All states	121,748
Top ten	60%	Top ten	74%	Top ten	97%	Top ten	71%	Top ten	78%	Top ten	89%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CA	-892	NJ	-148	FL	-171	CT	+4,346
NY	-739	MI	-42	NY	-161	NY	+1,416
KS	-289	IL	-38	RI	-105	TX	+769
PA	-189	PA	-35	VA	-46	AR	+668
NC	-147	SC	-29	MN	-42	TN	+406



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

Recommended reading

[Intelligence Community Statement on Origins of COVID-19](#)

Office of the Director of National Intelligence
April 30, 2020

[We need the real CDC back, and we need it now](#)

Ashish K. Jha
Stat
April 29, 2020

[Oregonians have died at rate well above average since mid-March, but tie to COVID-19 unclear, state data show](#)

Andrew Theen
The Oregonian
April 29, 2020

[The Forgotten Hong Kong Flu Pandemic of 1968 Has Lessons for Today](#)

John Fund
National Review
April 26, 2020

[Full lockdown policies in Western Europe countries have no evident impacts on the COVID-19 epidemic.](#)

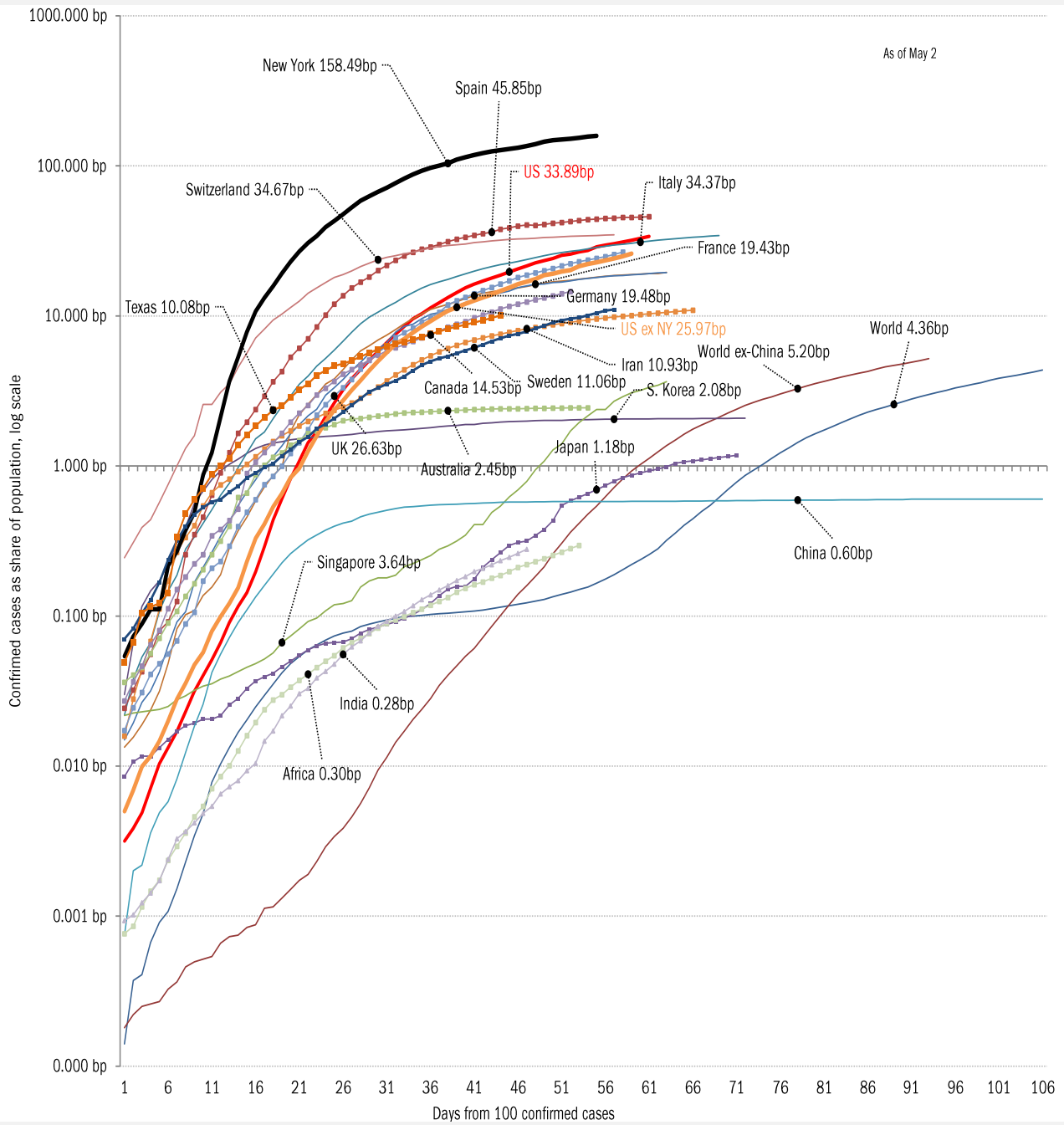
Thomas A. J. Meunier
medRxiv
May 1, 2020

Meme of the day



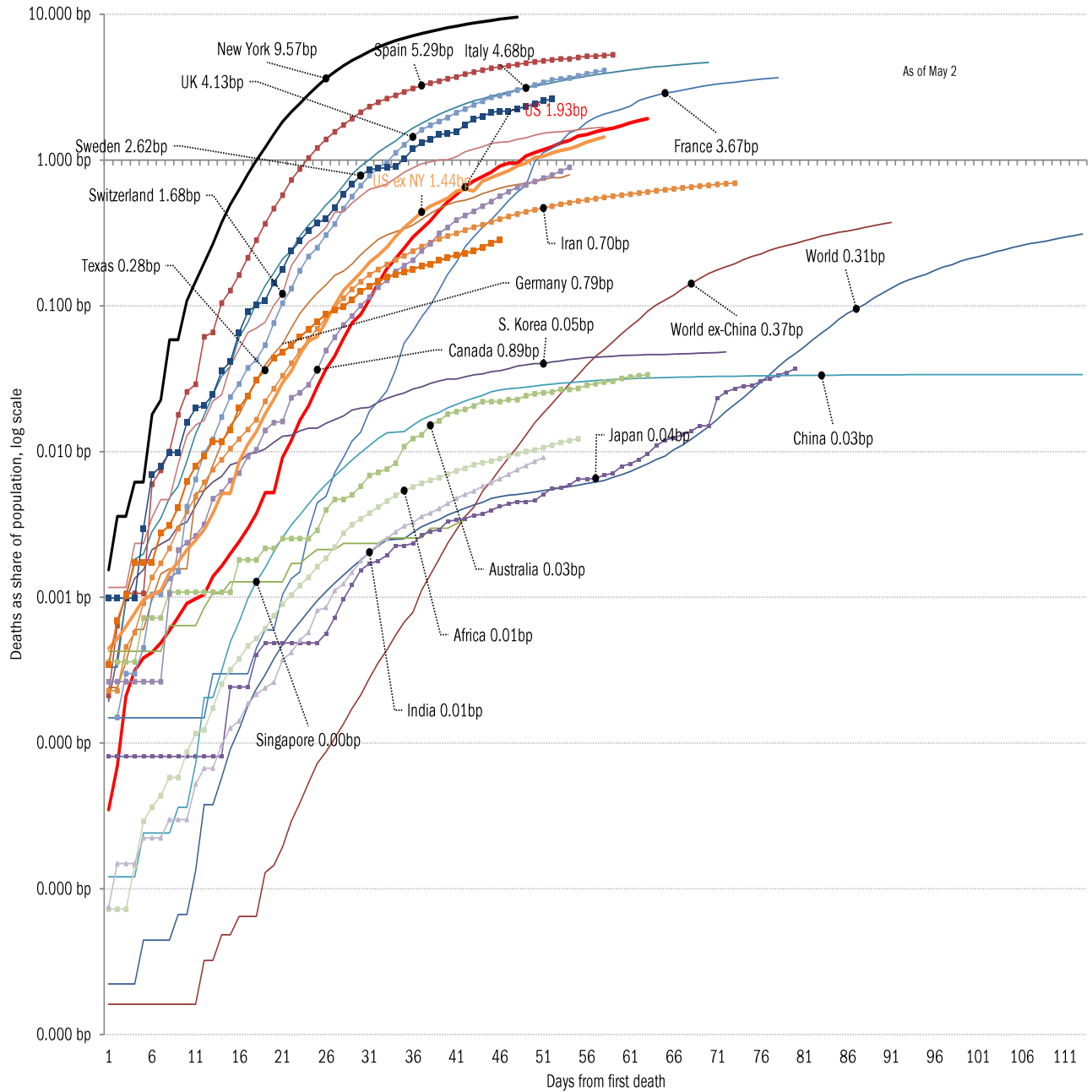
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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



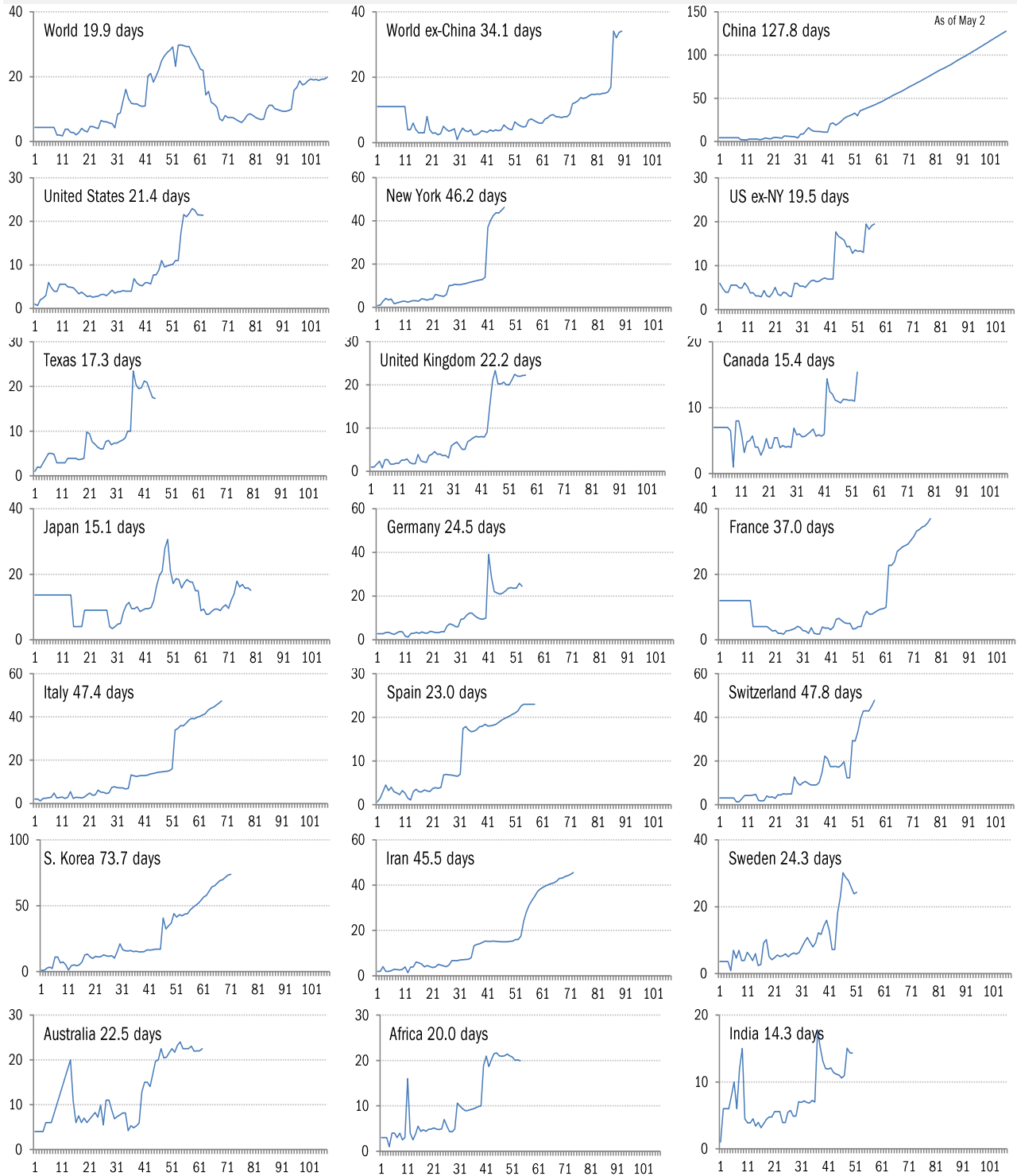
Source: [ECDC](#), TrendMacro calculations

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

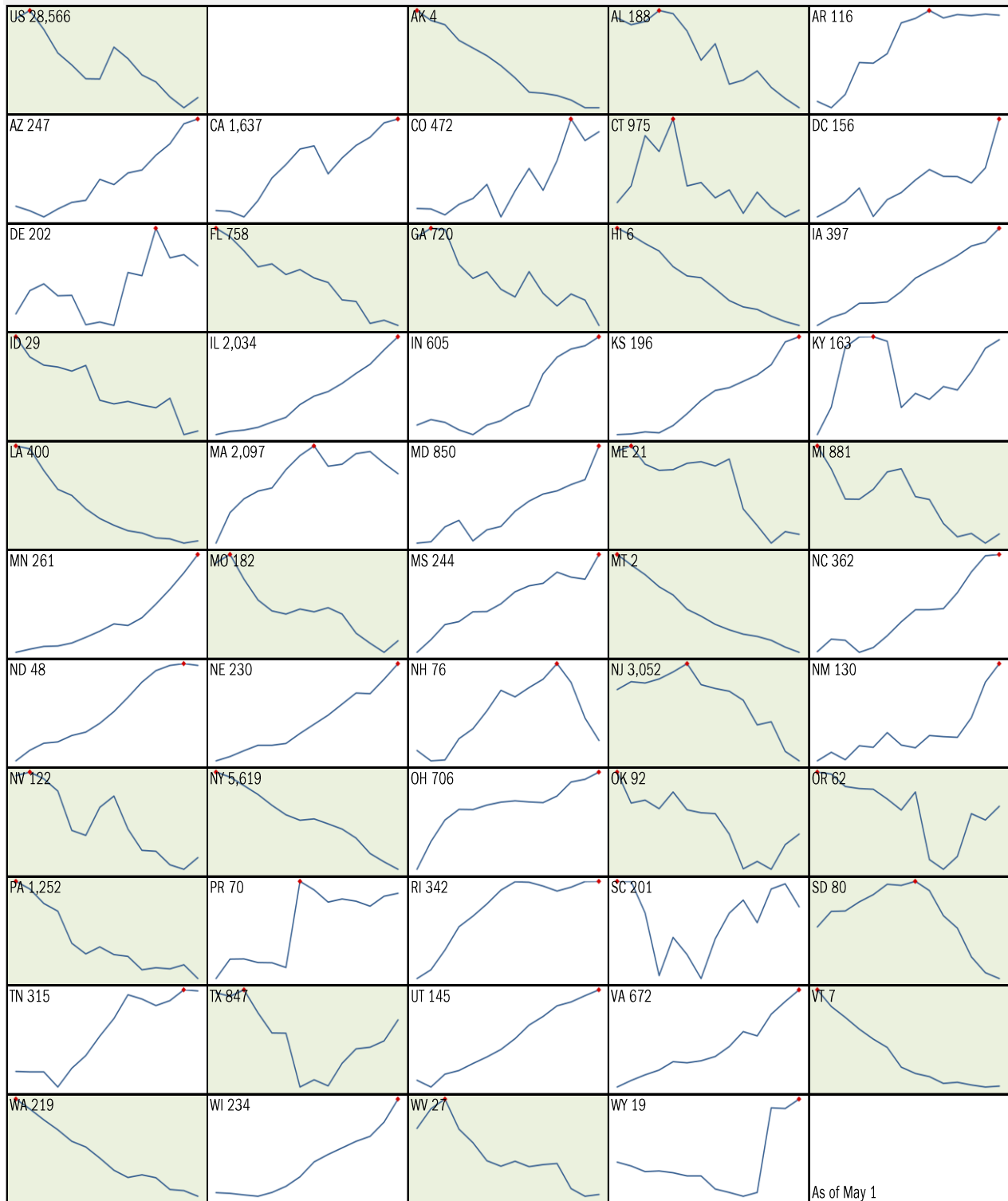
Progress means seeing the line move up and to the right. . .

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



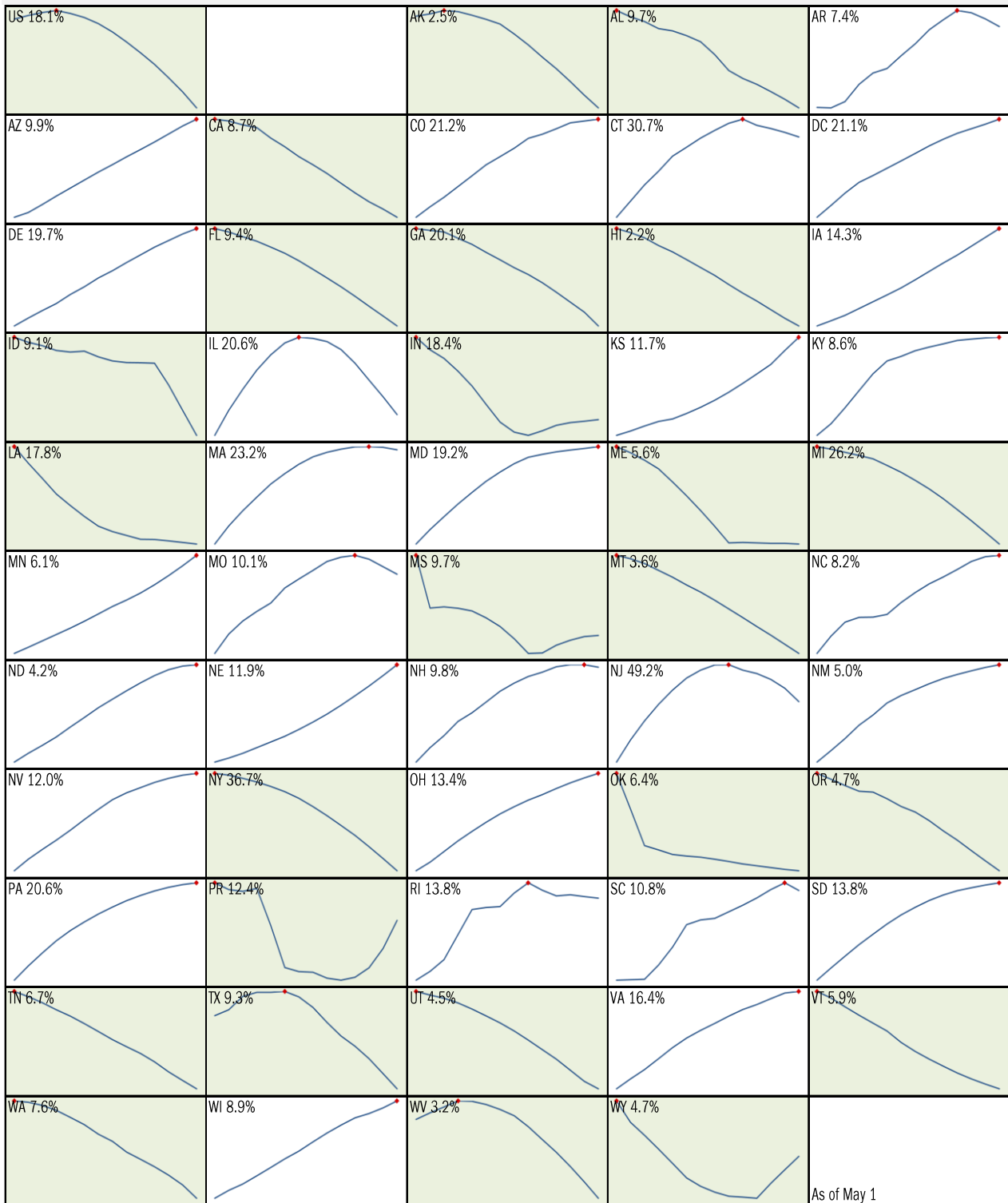
Source: [ECDC](#), TrendMacro calculations

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



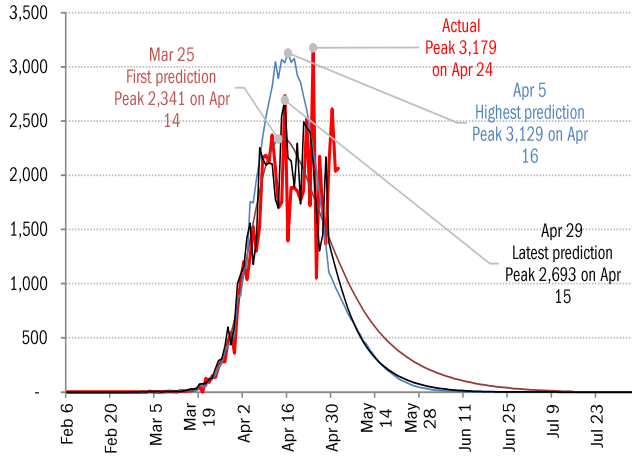
Source: [Covid Tracking Project](#), TrendMacro calculations

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

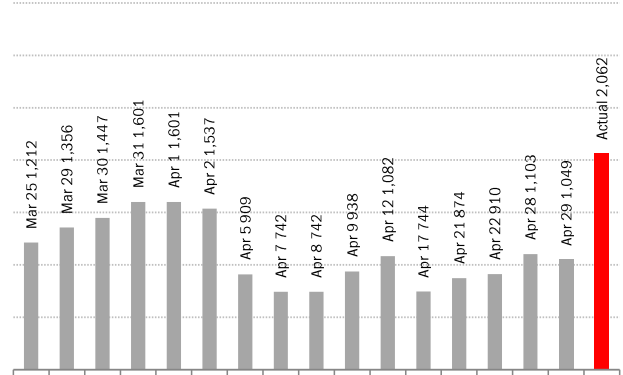
New daily fatalities

As of May 2

Actual versus first, highest and latest model mean predictions

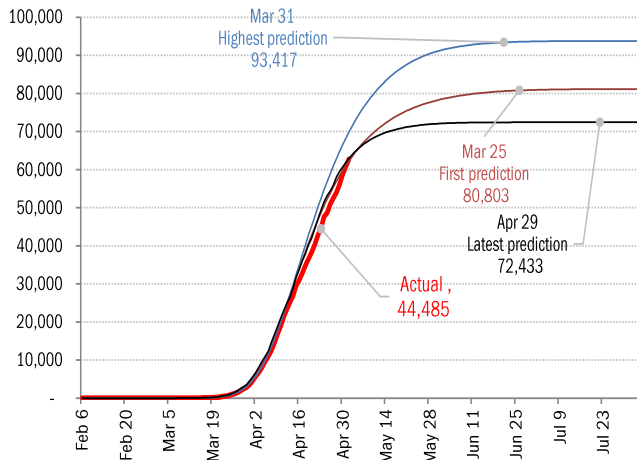


For this day, versus all model mean predictions

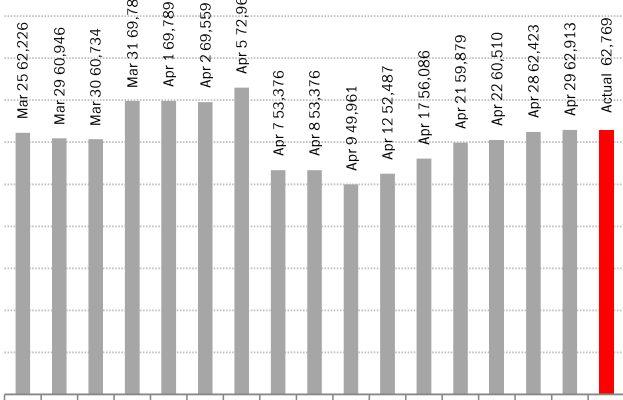


Cumulative fatalities

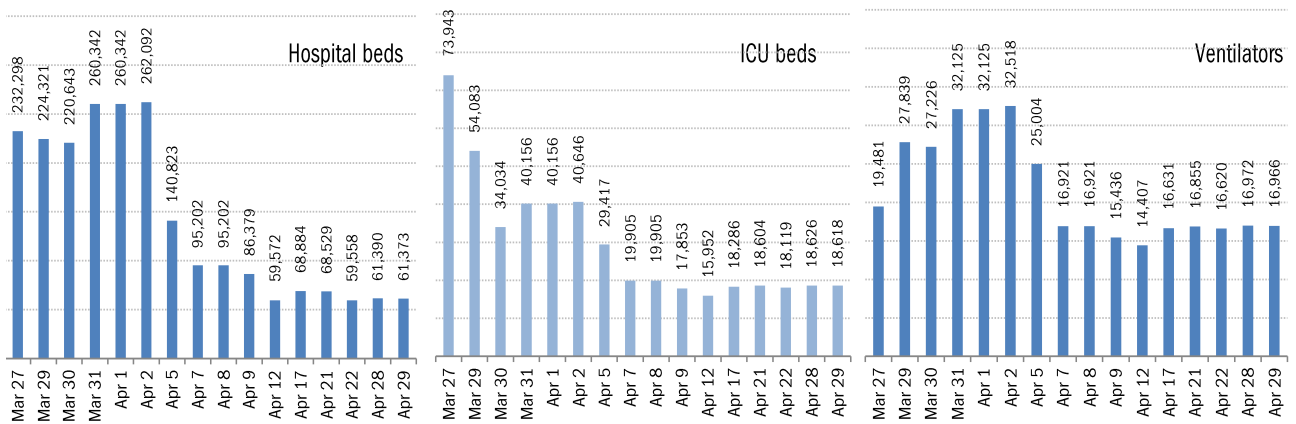
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

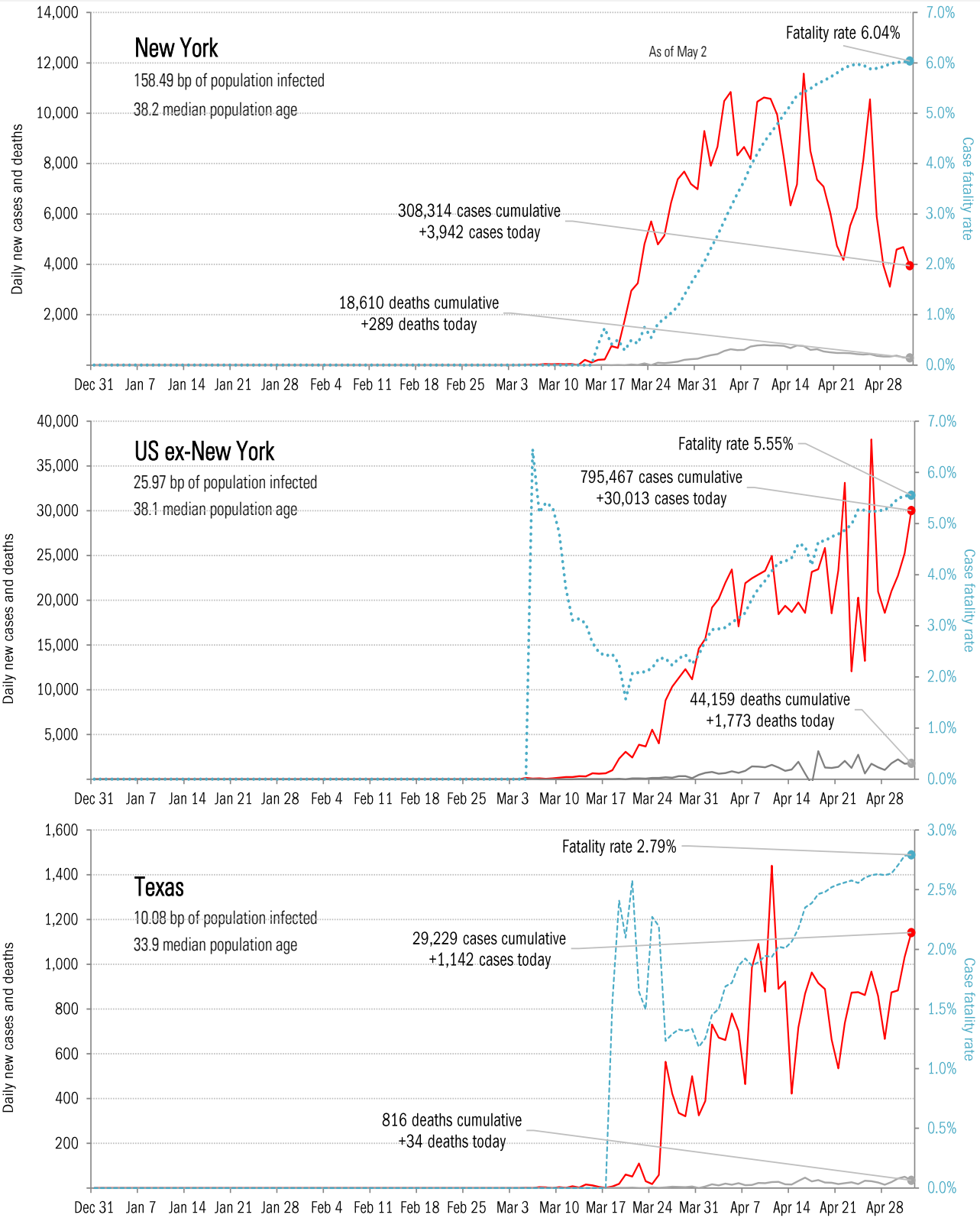


Healthcare system stress, peak estimated at each model revision



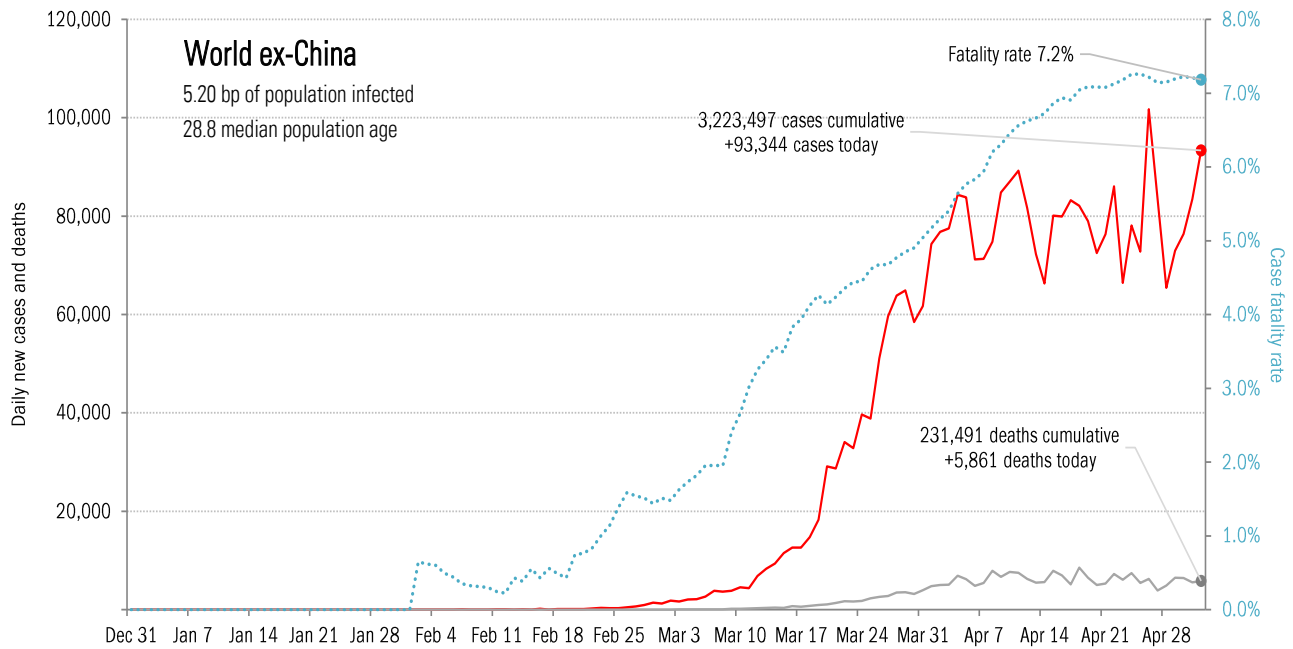
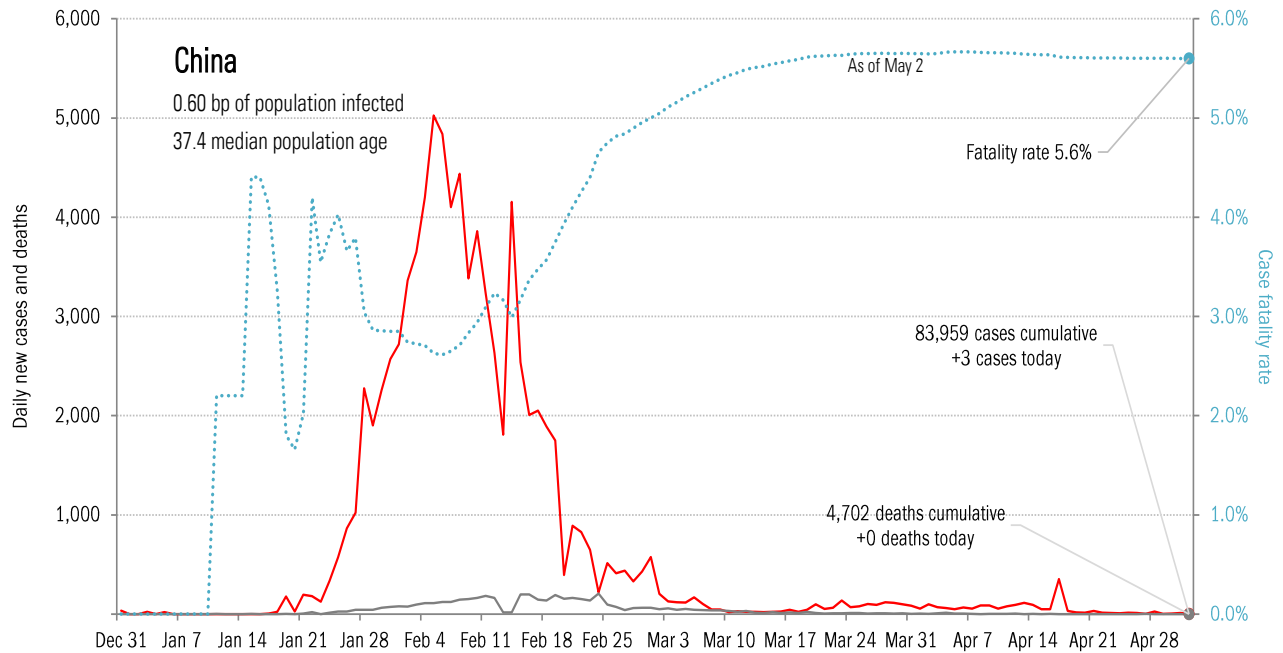
Source: [ECDC](#), TrendMacro calculations

From Ground Zero to the Rio Grande



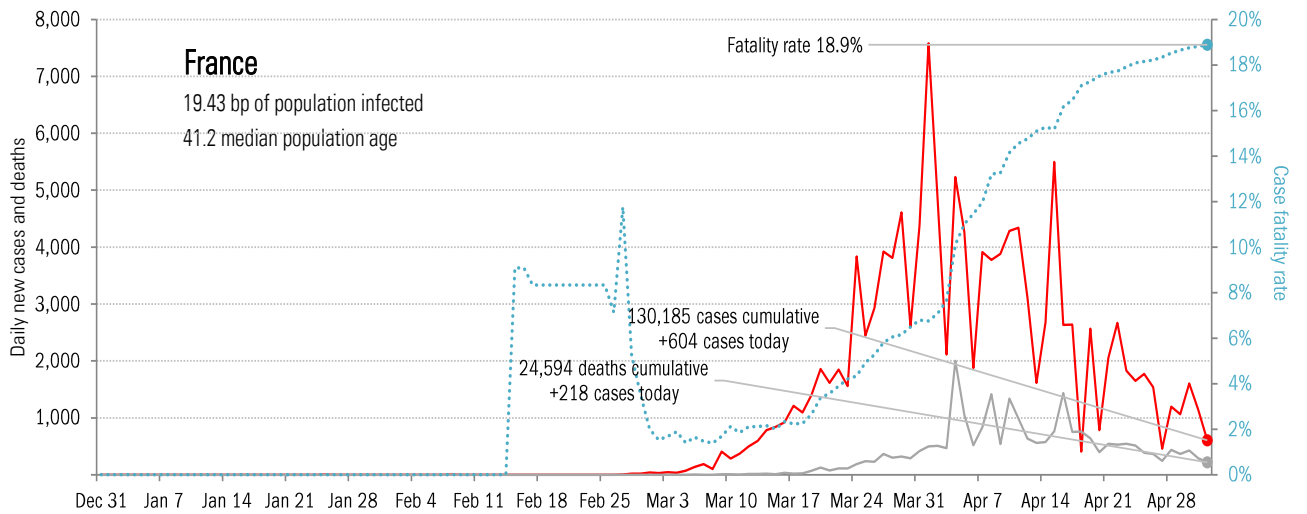
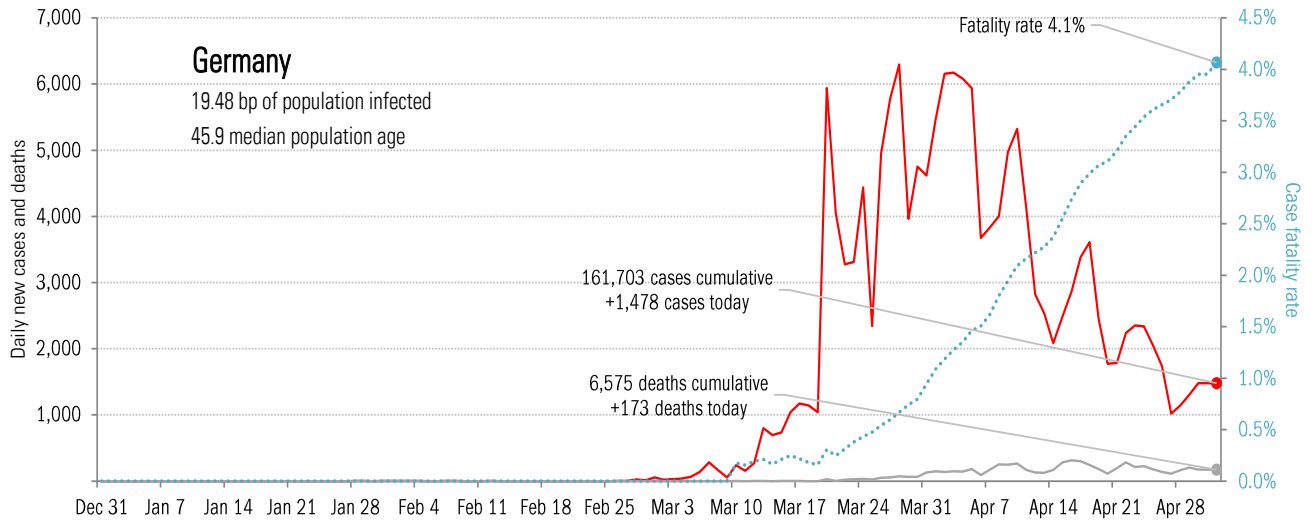
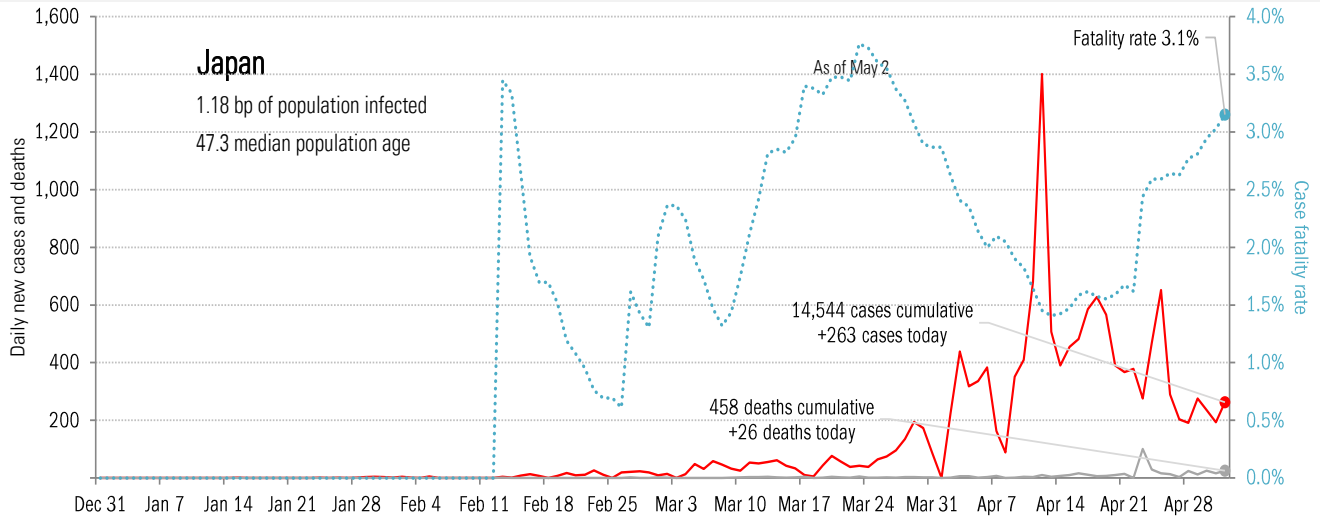
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



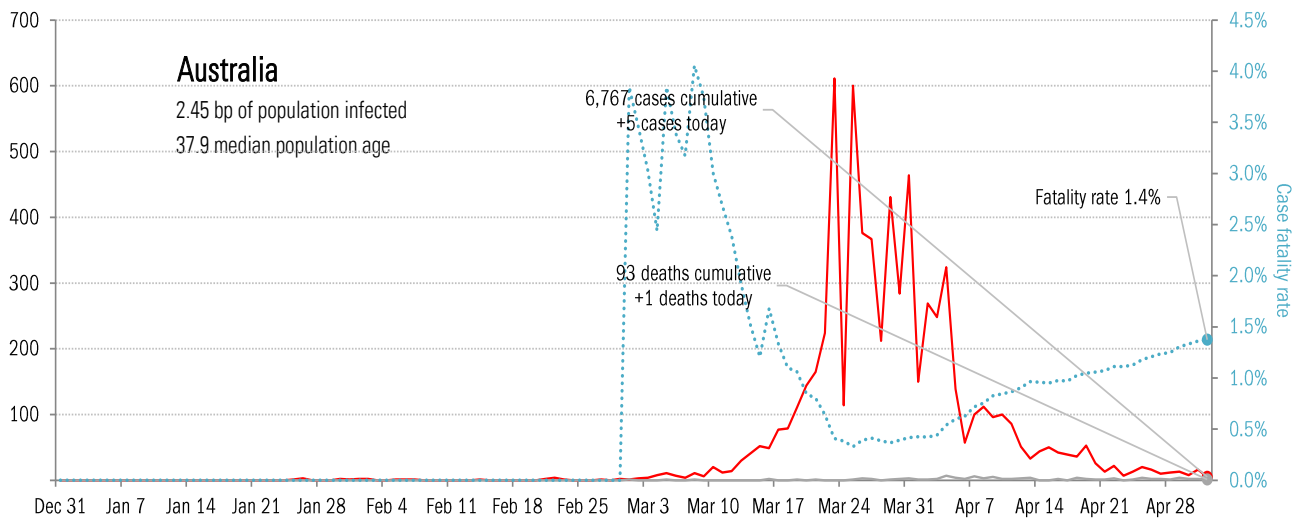
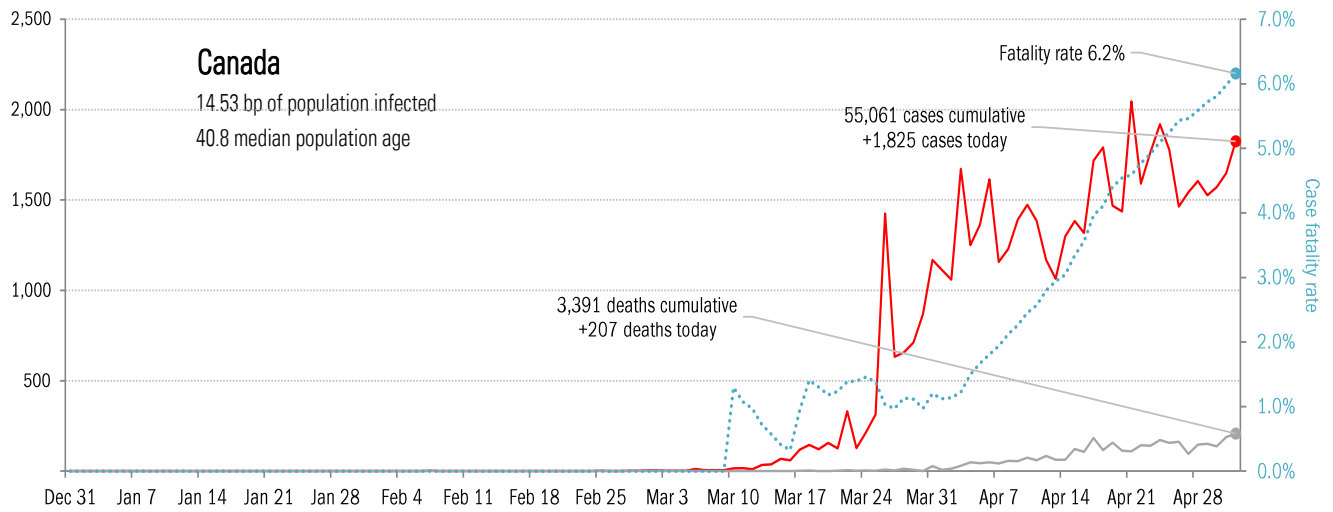
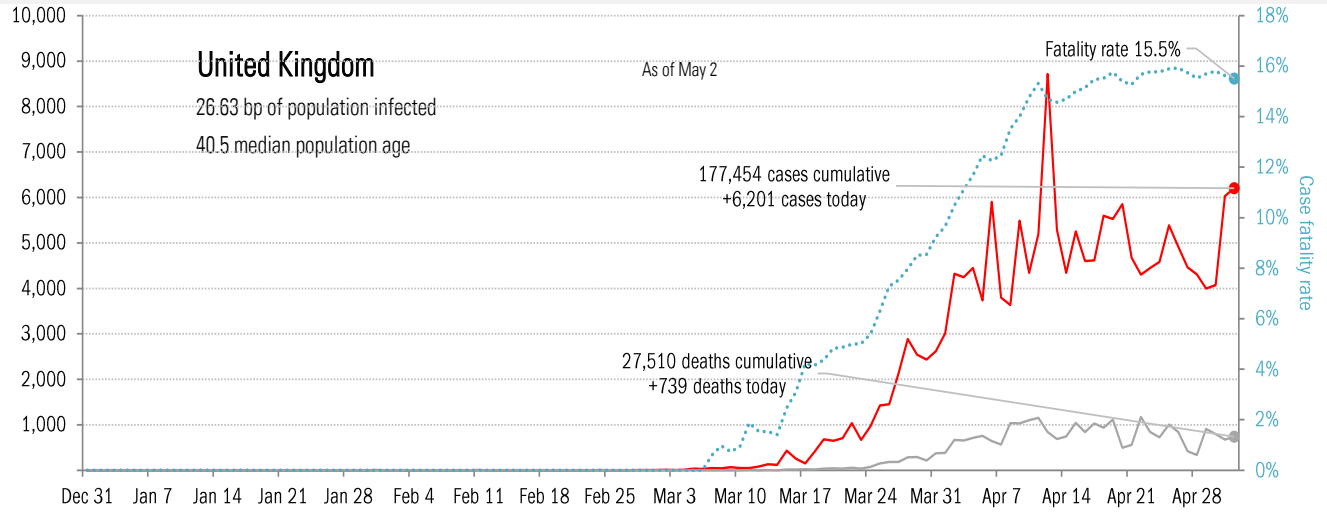
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



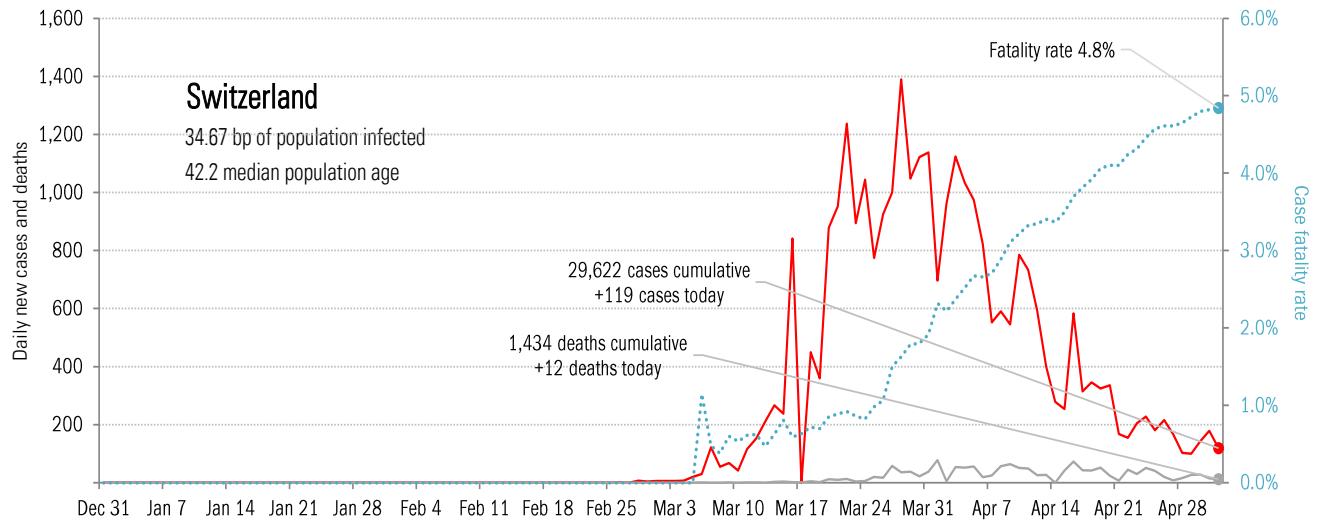
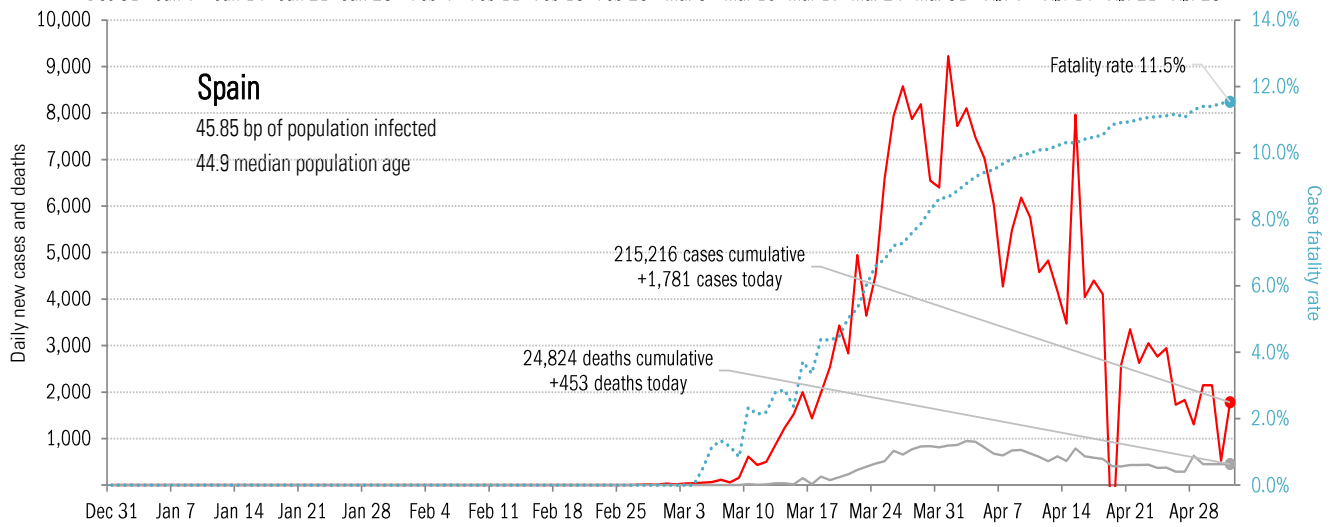
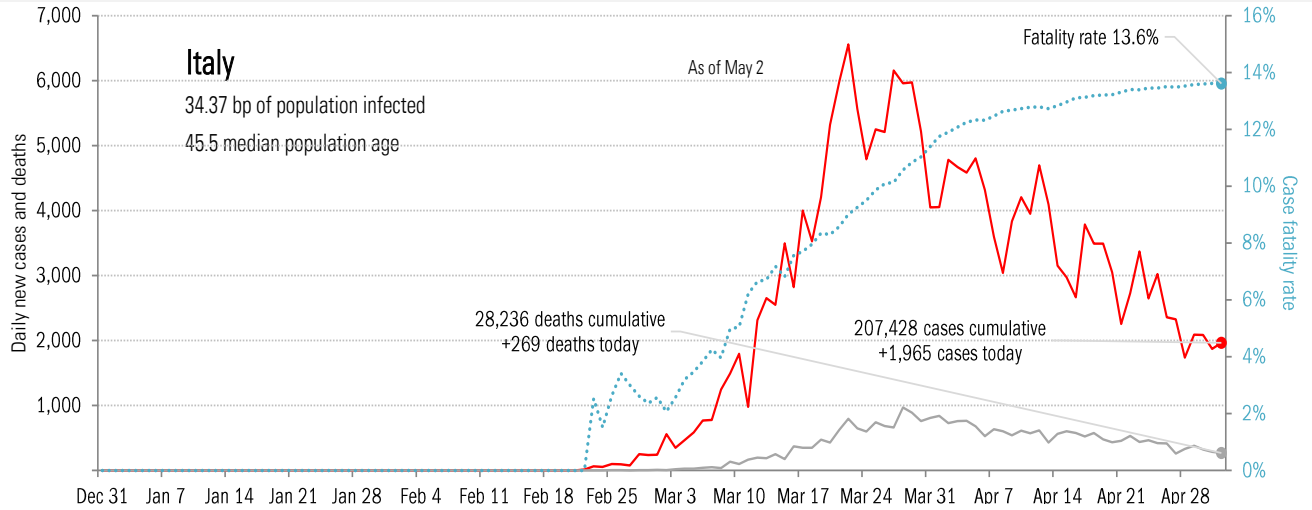
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



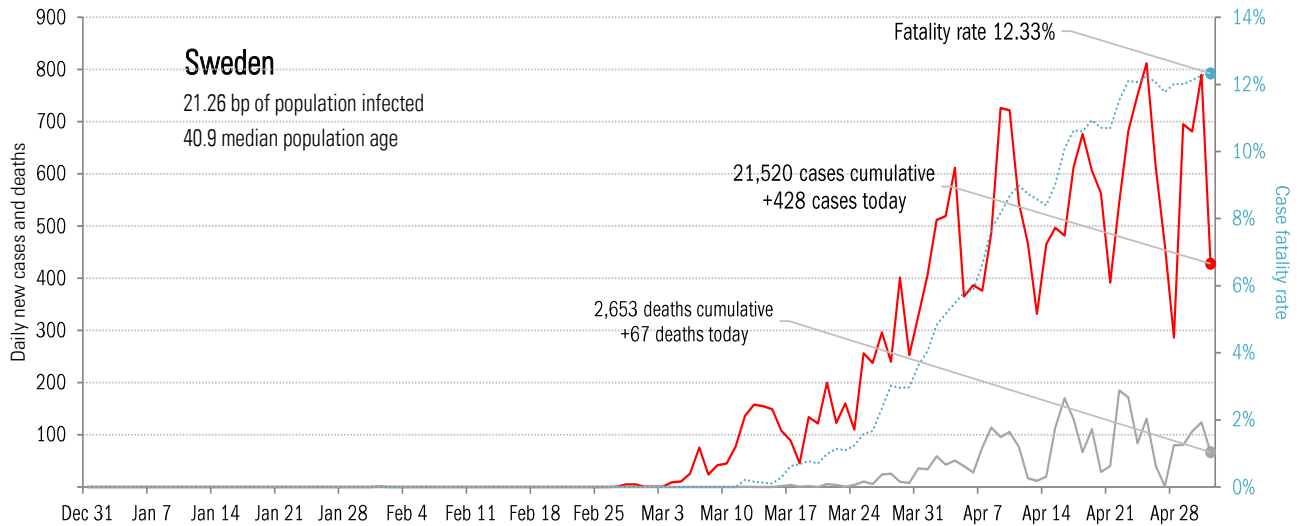
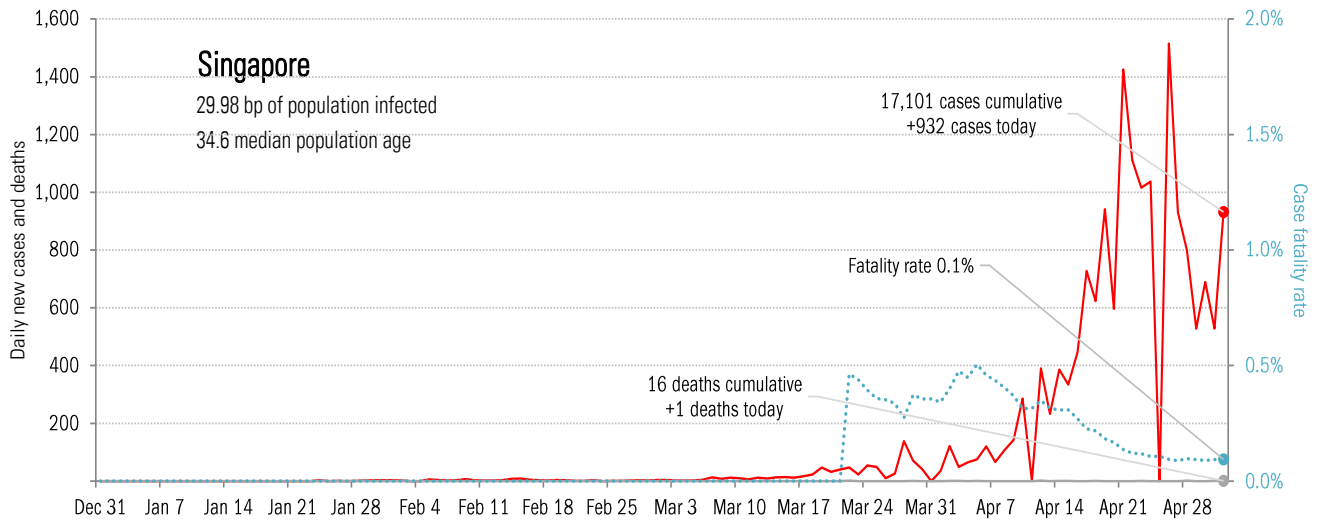
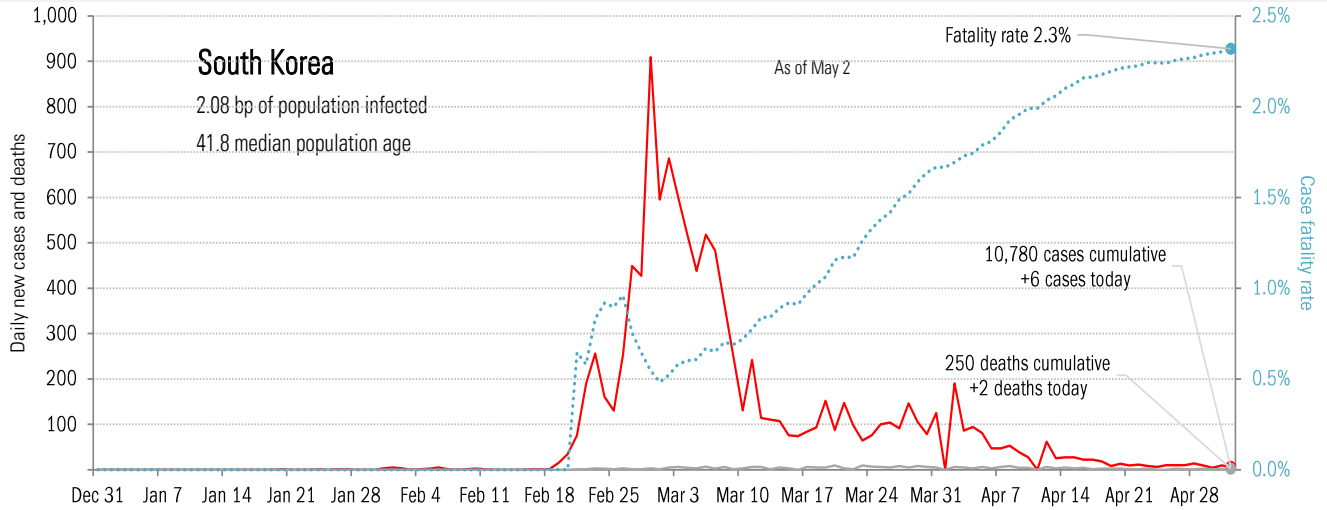
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



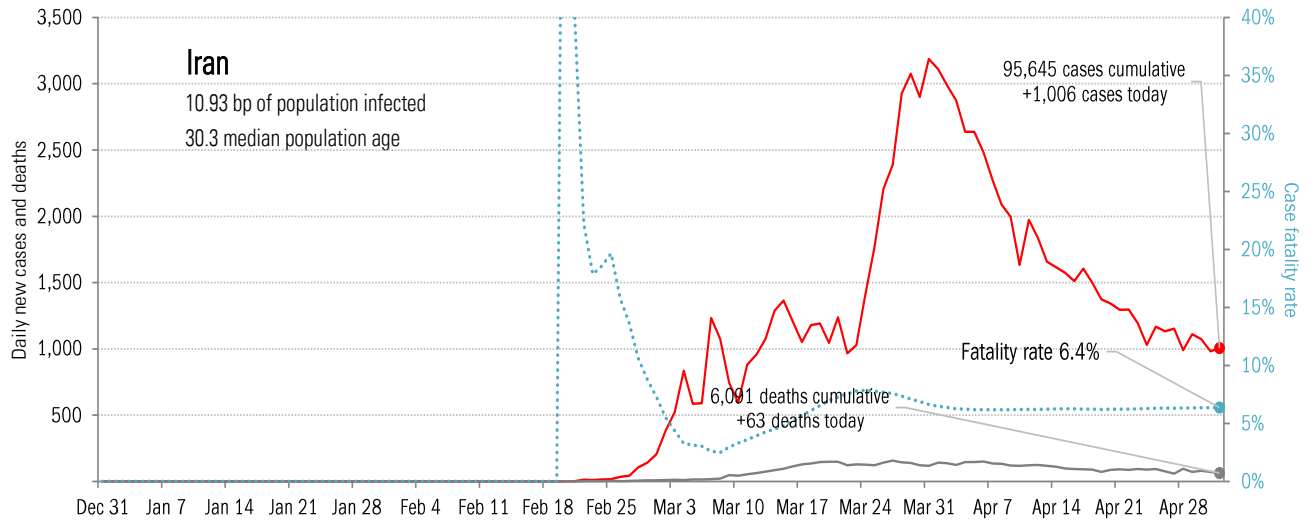
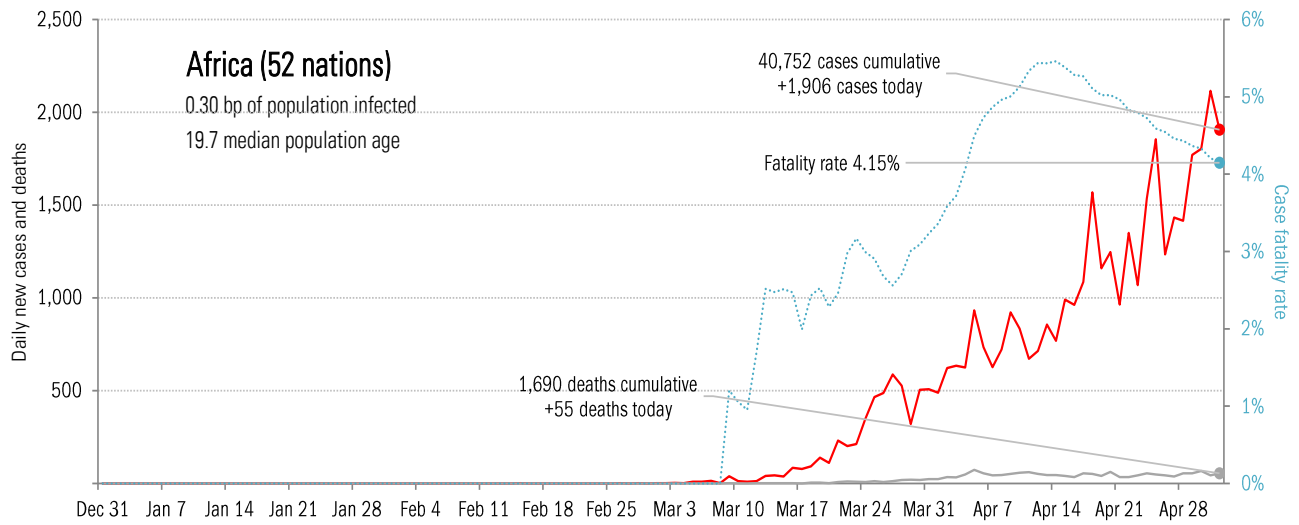
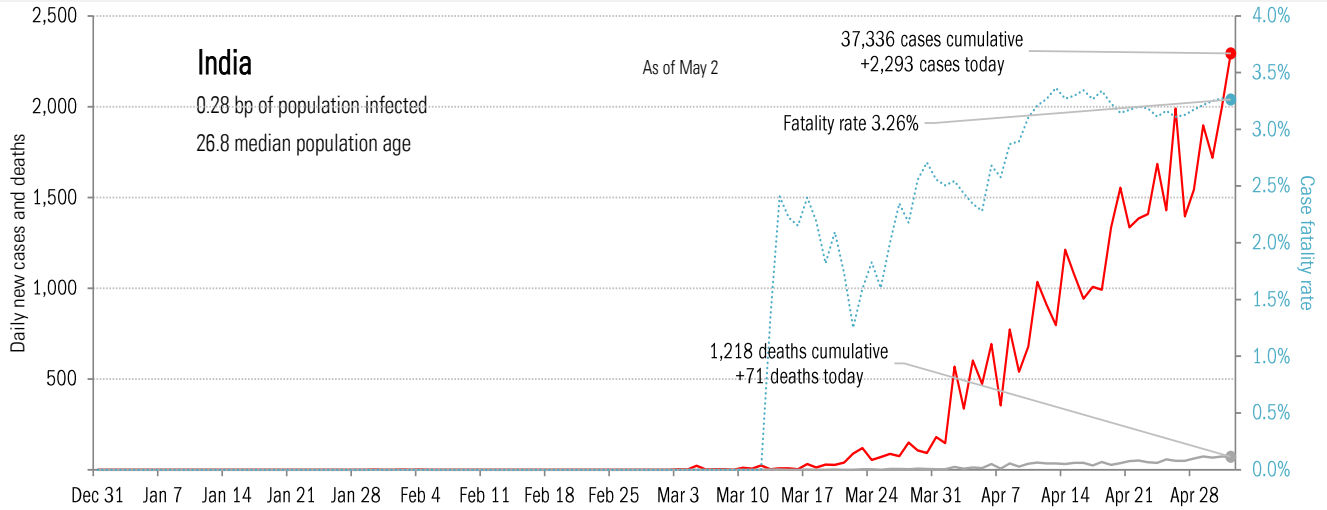
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

Impact in the fragile emerging world



Source: [ECDC](#), TrendMacro calculations