

## Data Insights: Covid-2019 Monitor

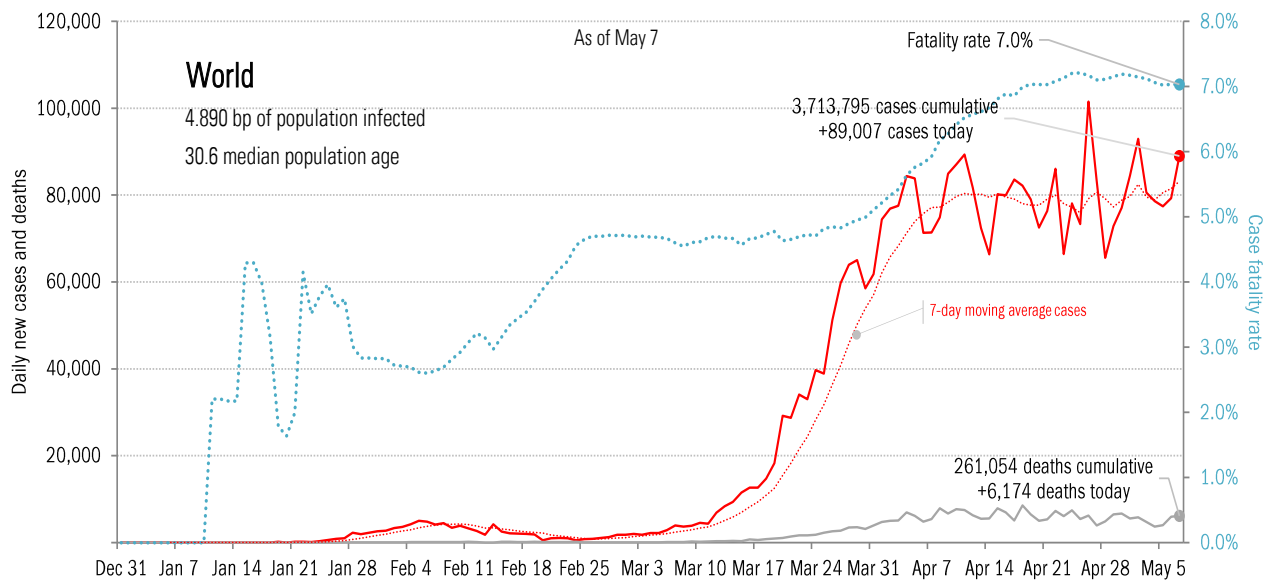
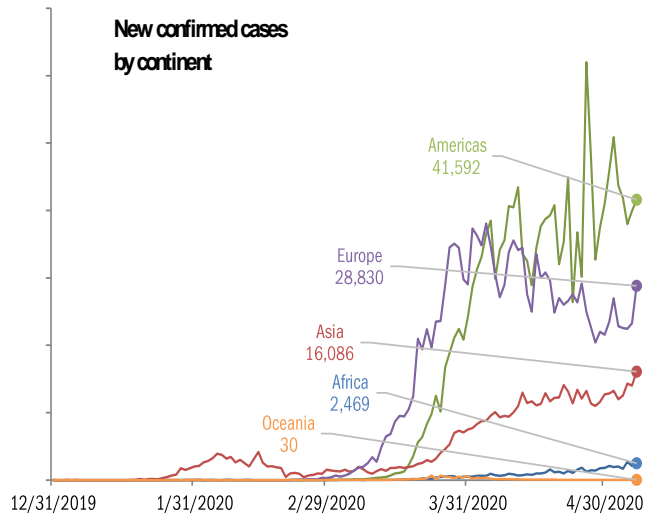
Thursday, May 7, 2020

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
US	+24,128	US	+2,353
Russia	+10,559	UK	+649
Brazil	+10,503	Brazil	+615
UK	+6,211	Italy	+369
France	+4,183	Belgium	+323
Peru	+3,628	France	+278
India	+3,561	Mexico	+197
Turkey	+2,253	Canada	+189
Saudi_Arabia	+1,687	Germany	+123
Iran	+1,680	India	+89
<b>+68,393</b>		<b>+5,185</b>	
World	+89,007	World	+6,174
Top ten	77%	Top ten	84%

#### New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

#### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

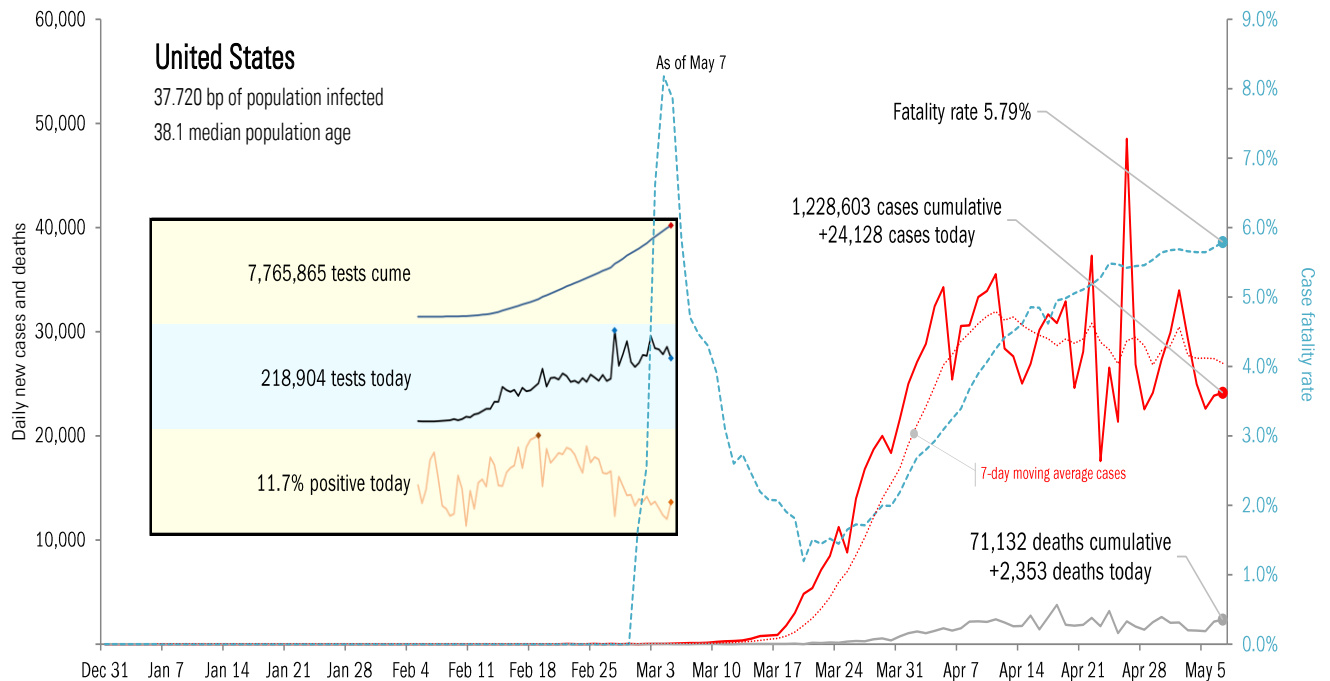
National and state-by-state data do not line up because of different sources

## The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
NY	+3,352	NJ	+305	NY	+672	NY	324,544	NY	19,877	NY	70,539
CA	+2,603	NY	+232	MA	+249	NJ	131,890	NJ	8,549	CT	7,758
IL	+2,270	MA	+208	FL	+230	MA	72,025	MA	4,420	MA	7,080
MA	+1,754	IL	+136	MD	+160	IL	68,232	MI	4,250	FL	6,776
NJ	+1,297	CA	+95	GA	+131	CA	58,815	PA	3,106	GA	5,765
TX	+1,053	PA	+94	OH	+96	PA	51,845	IL	2,974	MD	5,497
MD	+1,046	OH	+90	CO	+81	MI	45,054	CT	2,718	VA	4,113
GA	+985	CT	+85	KY	+74	FL	38,002	CA	2,412	OH	4,052
PA	+888	MI	+71	TN	+65	TX	34,422	LA	2,115	CO	2,919
IN	+837	FL	+69	MN	+55	CT	30,995	FL	1,605	WI	1,694
	+16,085		+1,385		+1,813		855,824		52,026		116,193
All states	+25,518	All states	+1,949	All states	+2,120	All states	1,221,123	All states	67,256	All states	131,477
Top ten	63%	Top ten	71%	Top ten	86%	Top ten	70%	Top ten	77%	Top ten	88%

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NJ	-1,027	PA	-460	VA	-103	TX	+831
CT	-960	MI	-59	NM	-60	VT	+706
VA	-764	CT	-53	CH	-51	MN	+391
WA	-145	LA	-51	MN	-24	OR	+265
IA	-115	FL	-44	OK	-20	IA	+231



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

## Recommended reading

[For the first time in its history, New York City deliberately shut down its entire subway system this morning](#)

Andy Rose  
*CNN*  
May 6, 2020

[BlackRock's Fink Delivers Grim Outlook With Tax Hikes for Corporate America](#)

Sridhar Natarajan  
*Bloomberg*  
May 6, 2020

[Influenza vaccination and respiratory virus interference among Department of Defense personnel during the 2017–2018 influenza season](#)

Greg G. Wolff  
*Vaccine*  
October 10, 2019

[New York survey shows many hospitalized coronavirus patients were not working or traveling](#)

*CNN*  
May 6, 2020

[Dumb reopening might just work](#)

John Cochrane  
*The Grumpy Economist*  
May 4, 2020

[Chloroquine is a potent inhibitor of SARS coronavirus infection and spread](#)

Martin J Vincent et al.  
*Virology Journal*  
August 22, 2005

[Hong Kong's airport begins use of 'disinfection' technologies](#)

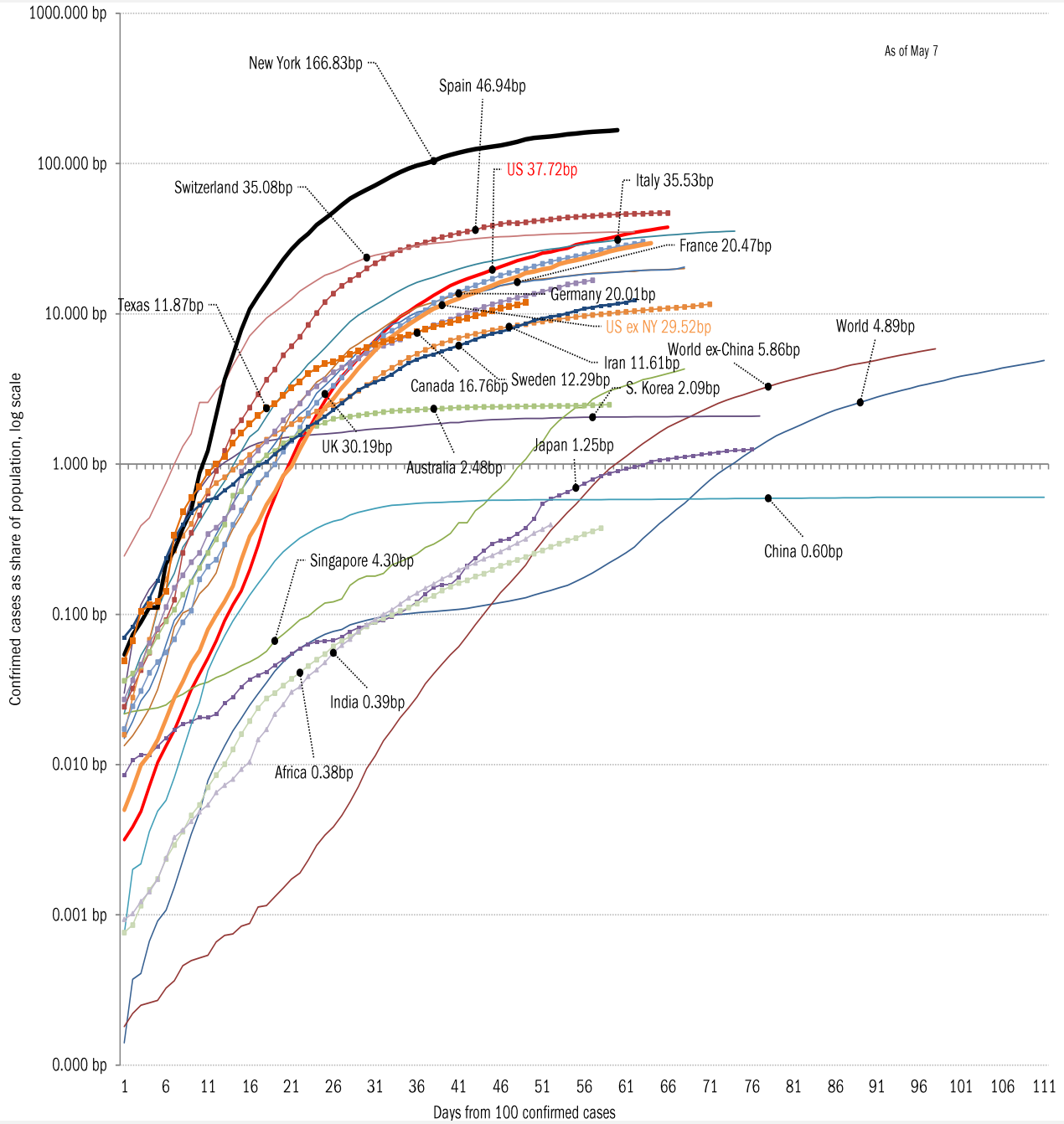
Joe Bates  
*Airport World*  
May 4, 2020

## Meme of the day



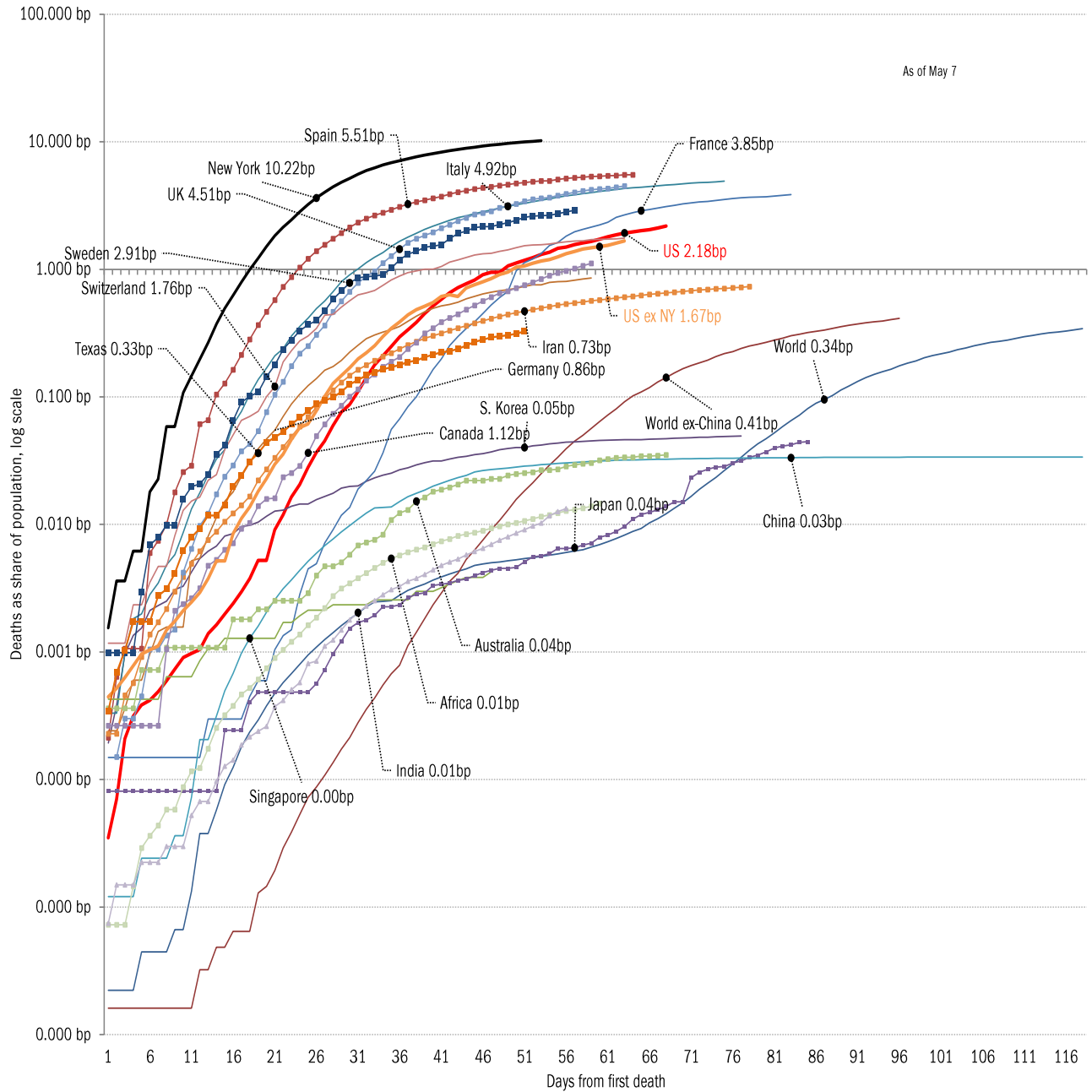
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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*



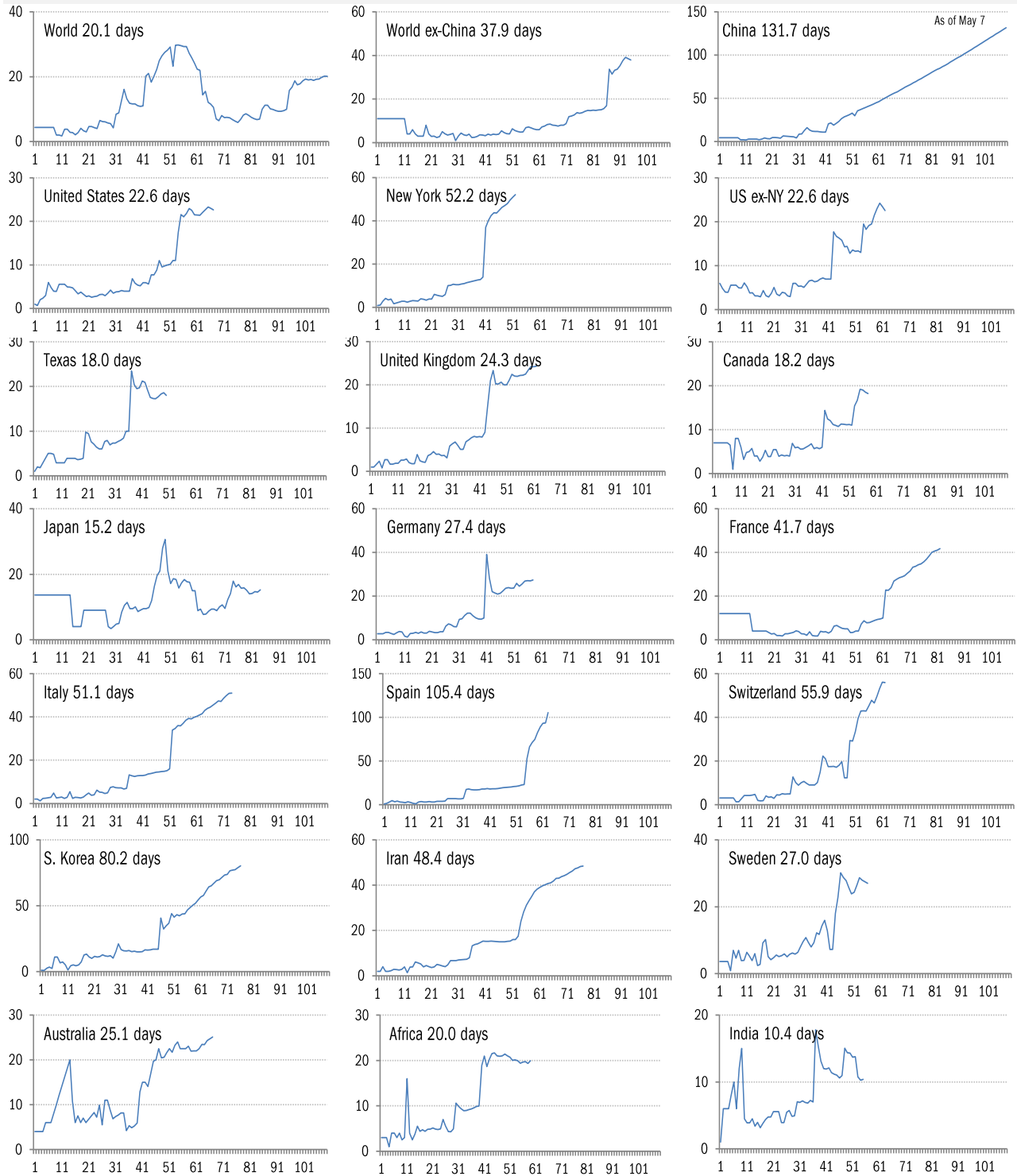
Source: [ECDC](#), TrendMacro calculations

# 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*

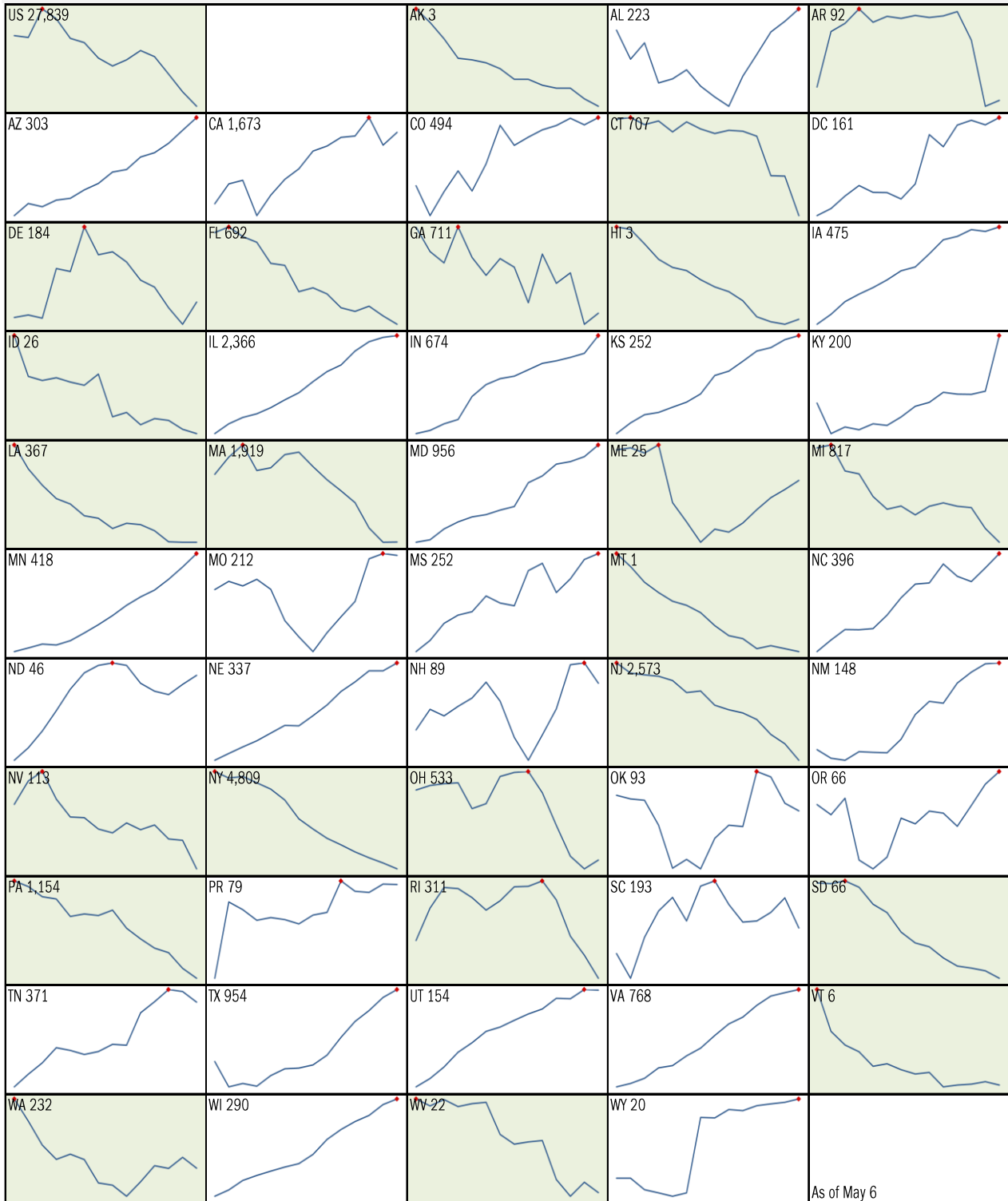
Progress means seeing the line move up and to the right. . .

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



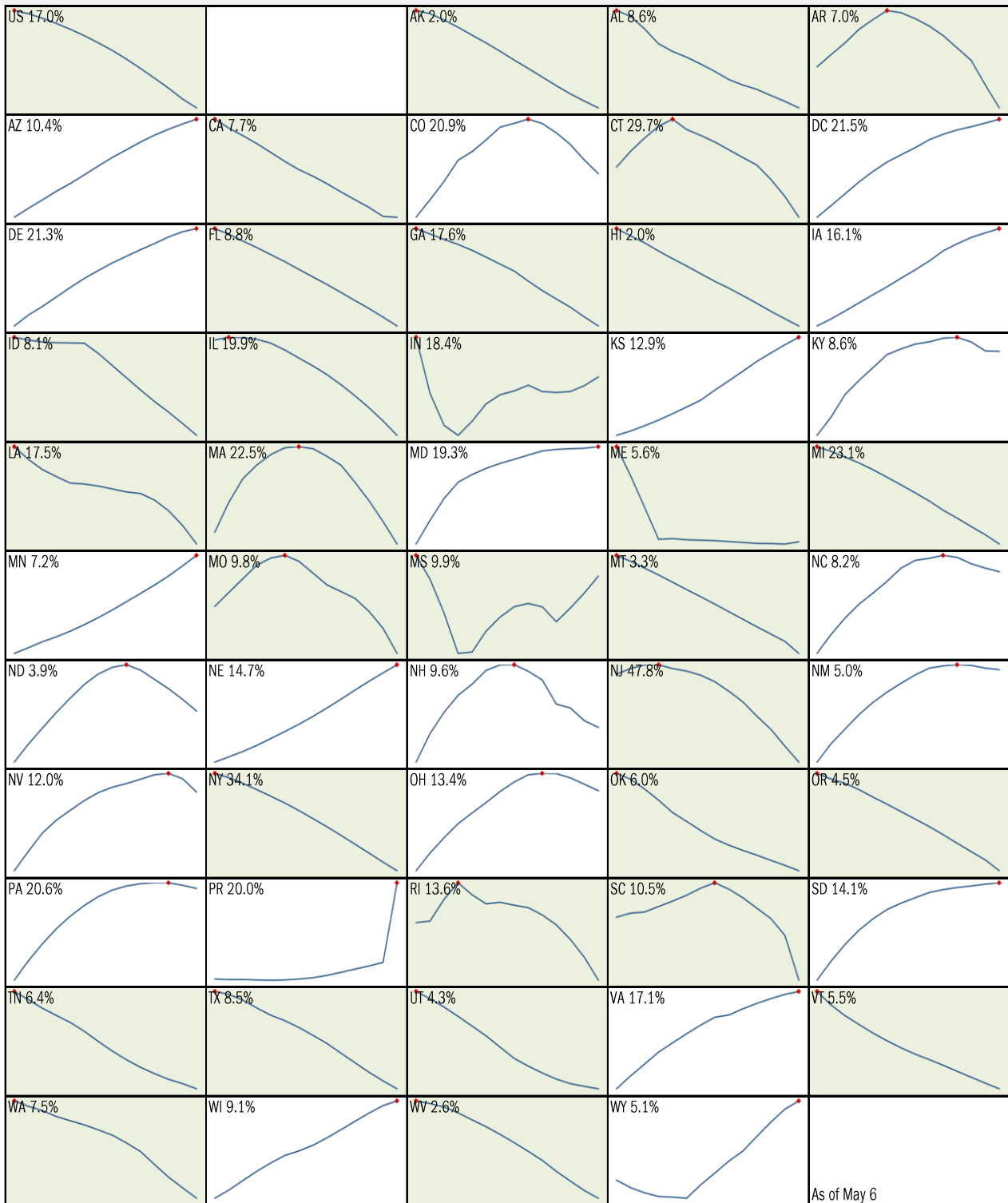
Source: [ECDC](#), TrendMacro calculations

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

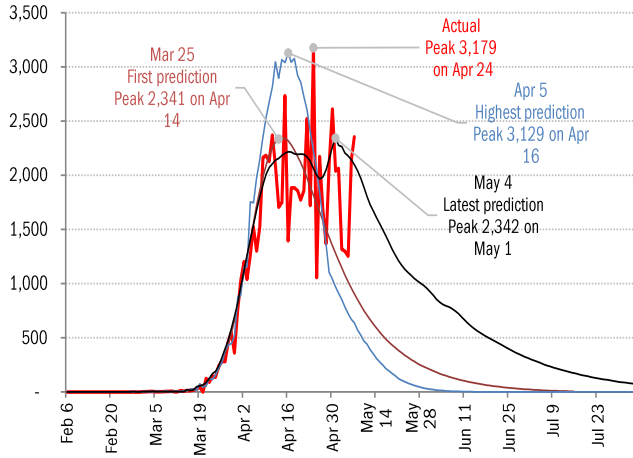


# Reality-checking the models: actuals versus [IHME predictions](#)

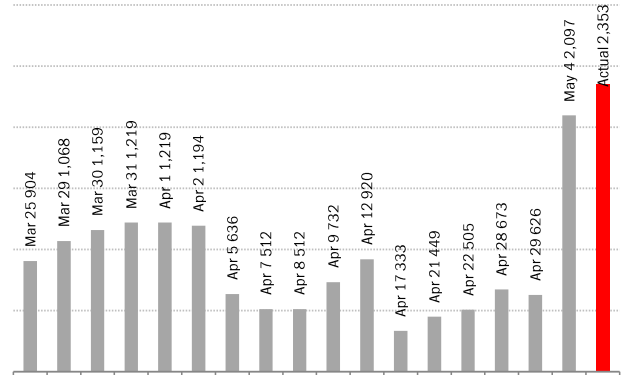
## New daily fatalities

As of May 7

Actual versus first, highest and latest model mean predictions

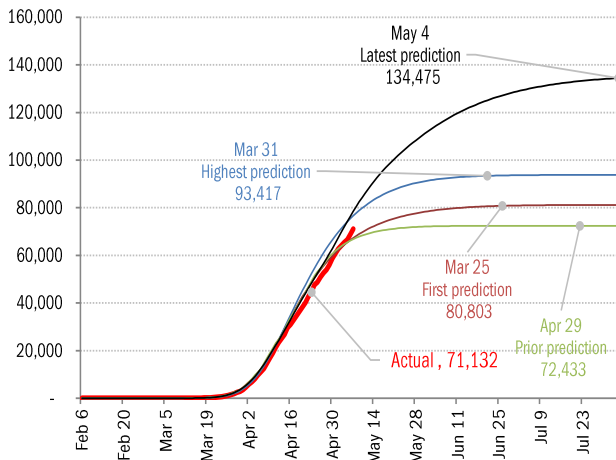


For this day, versus all model mean predictions

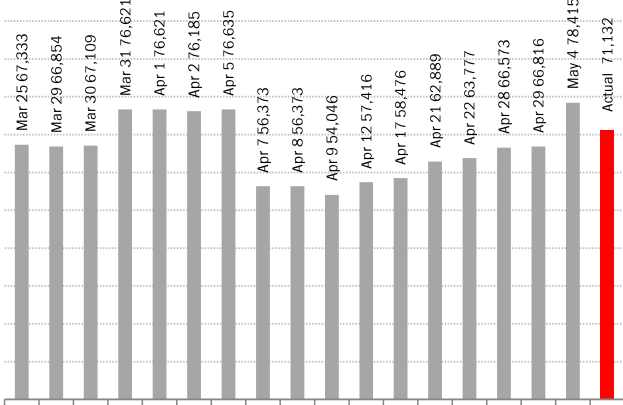


## Cumulative fatalities

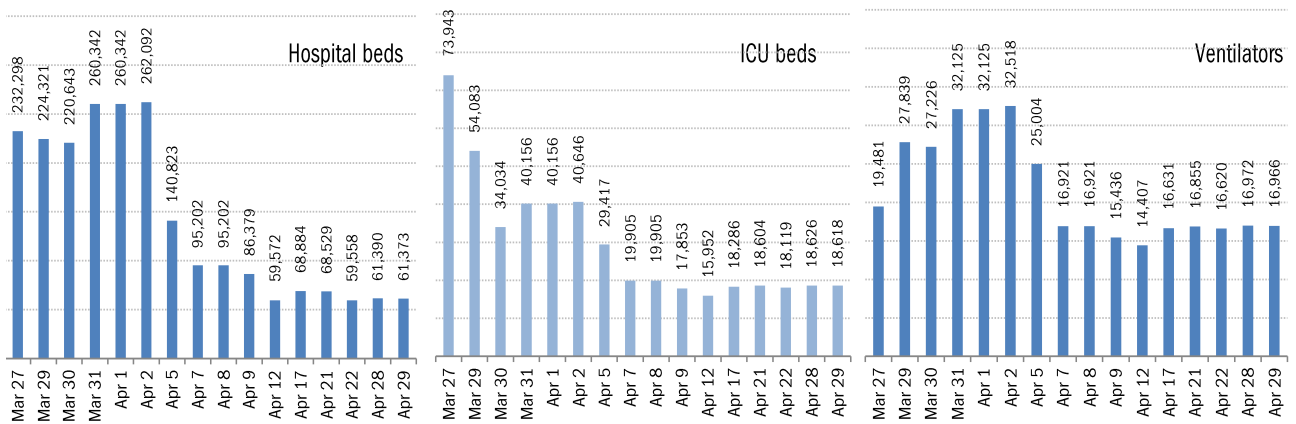
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

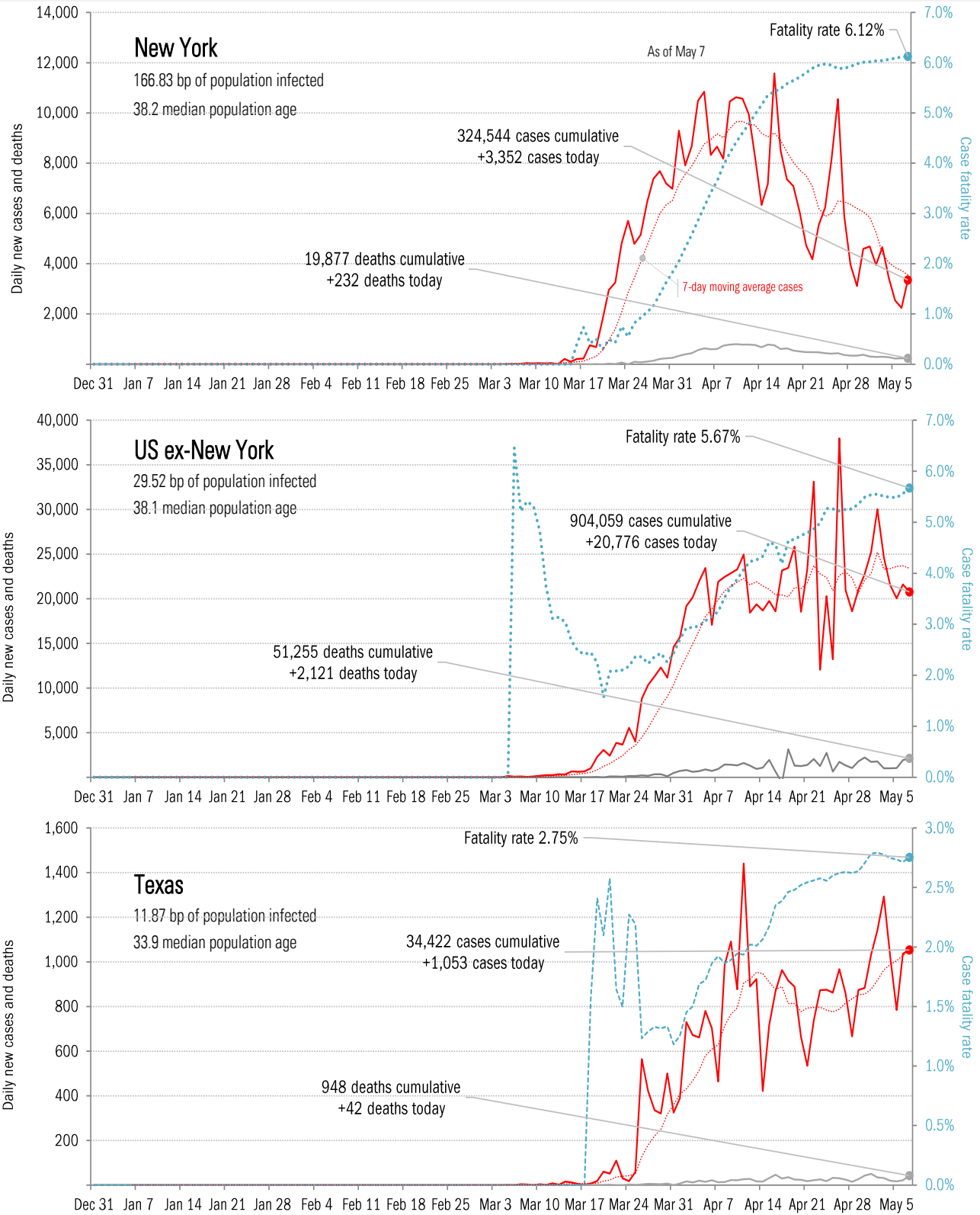


## Healthcare system stress, peak estimated at each model revision



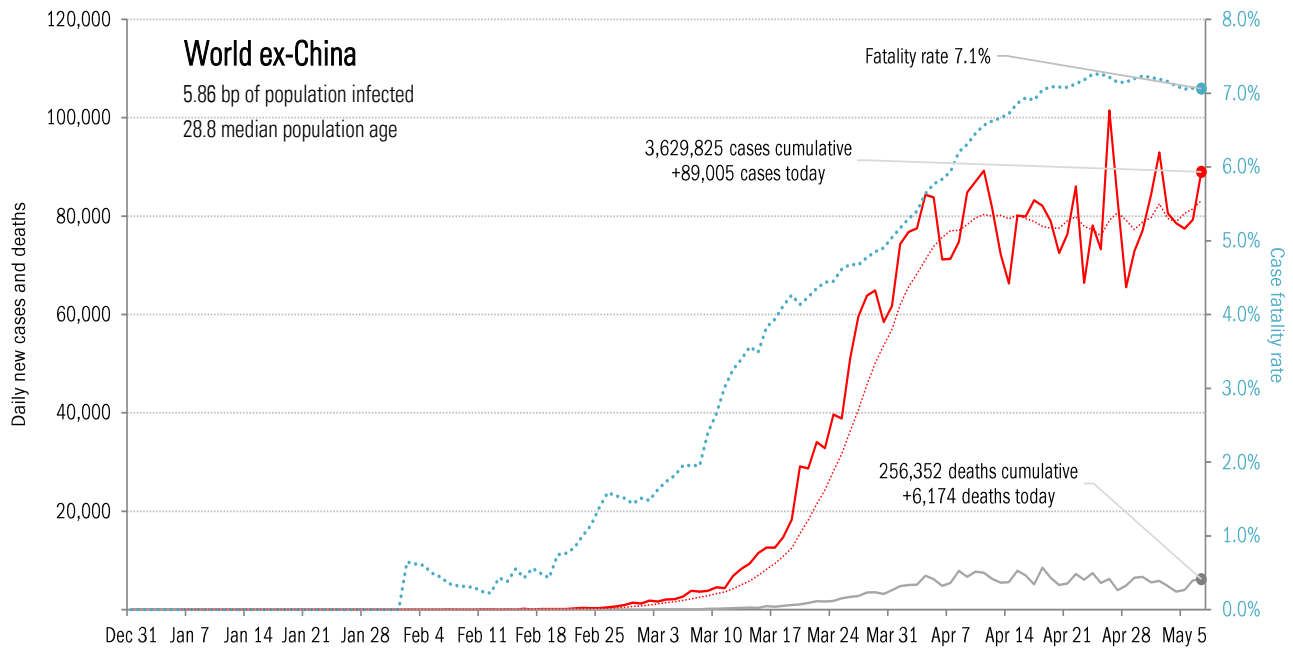
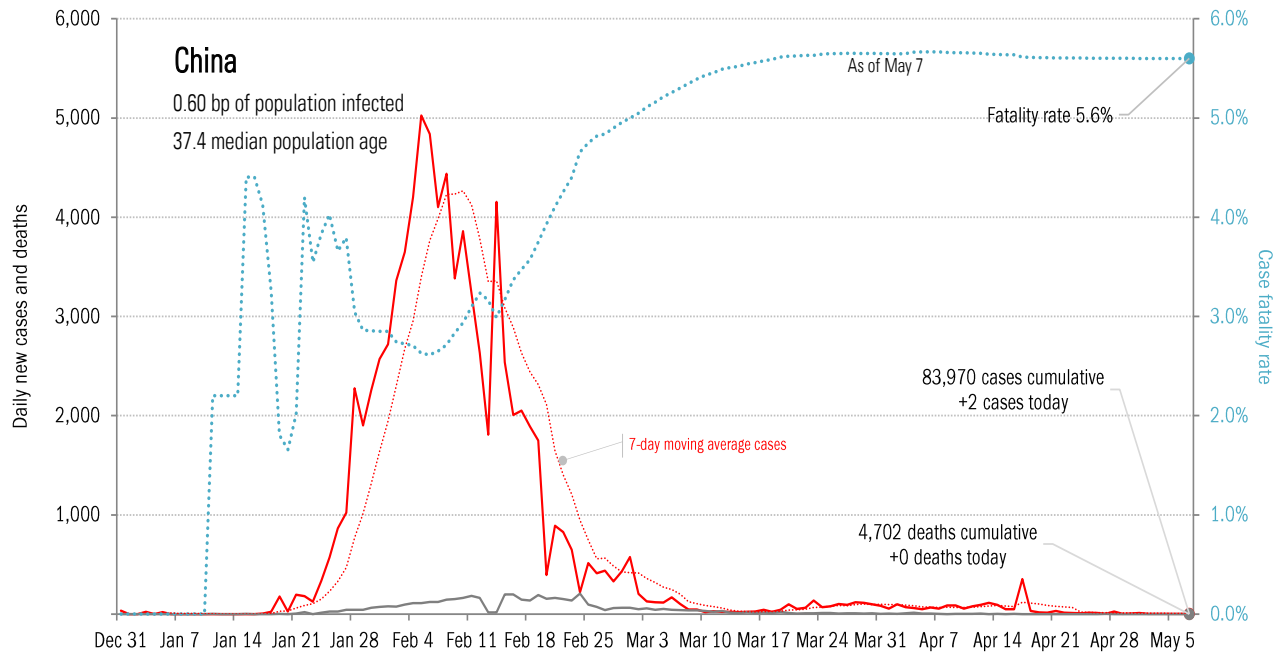
Source: [ECDC](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



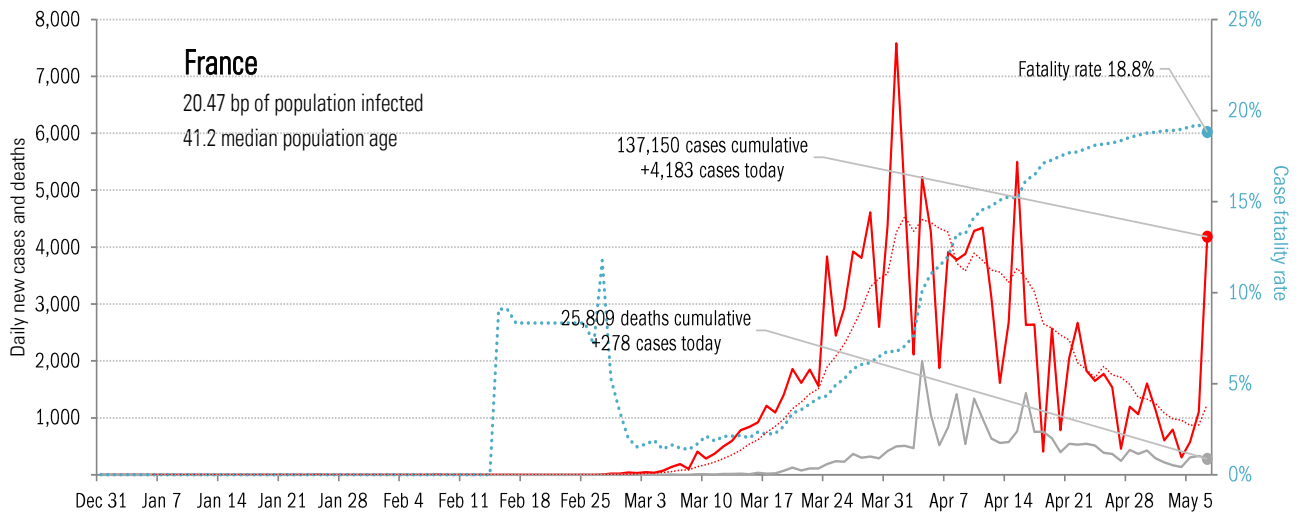
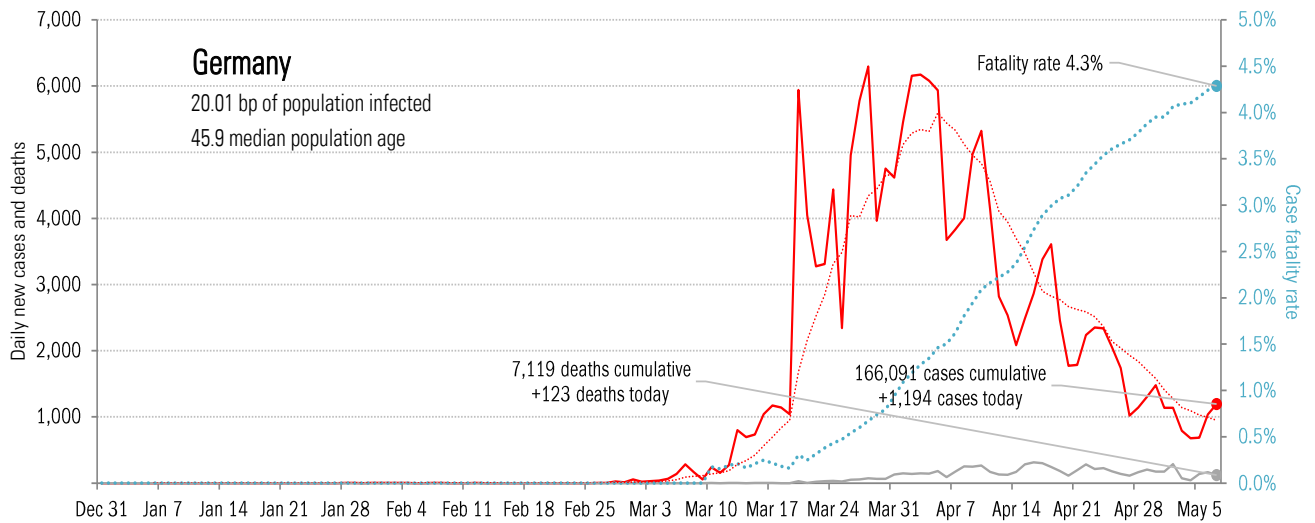
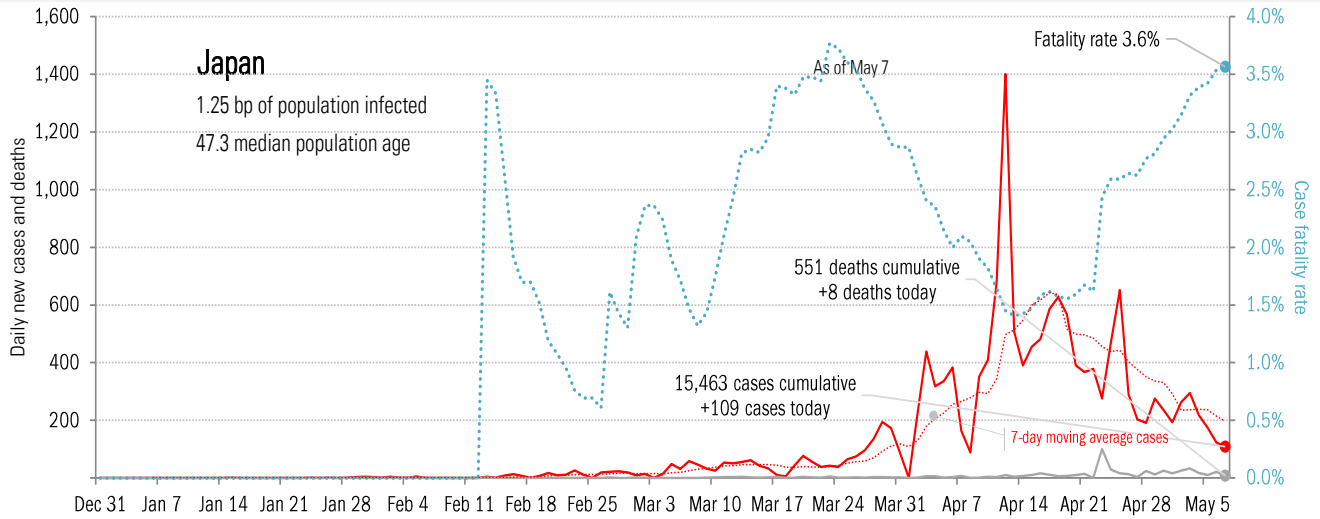
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



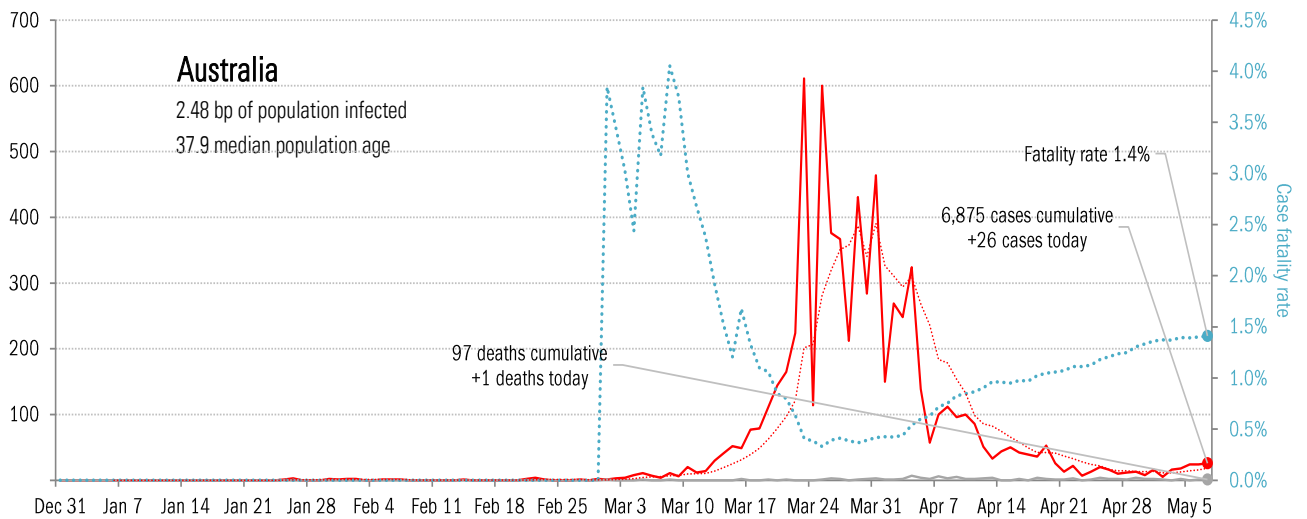
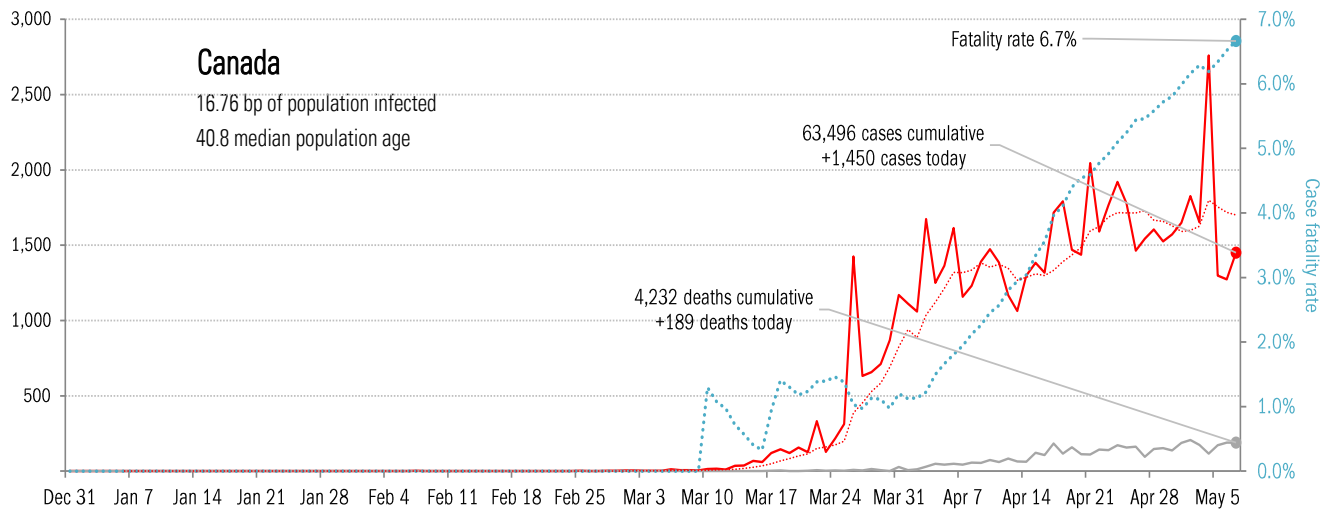
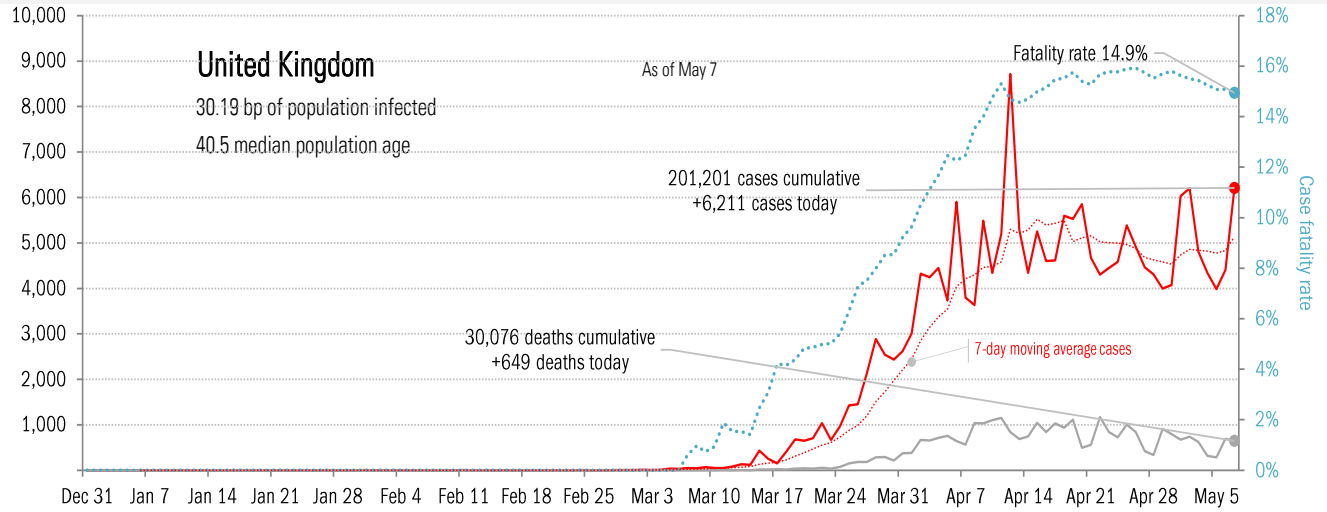
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



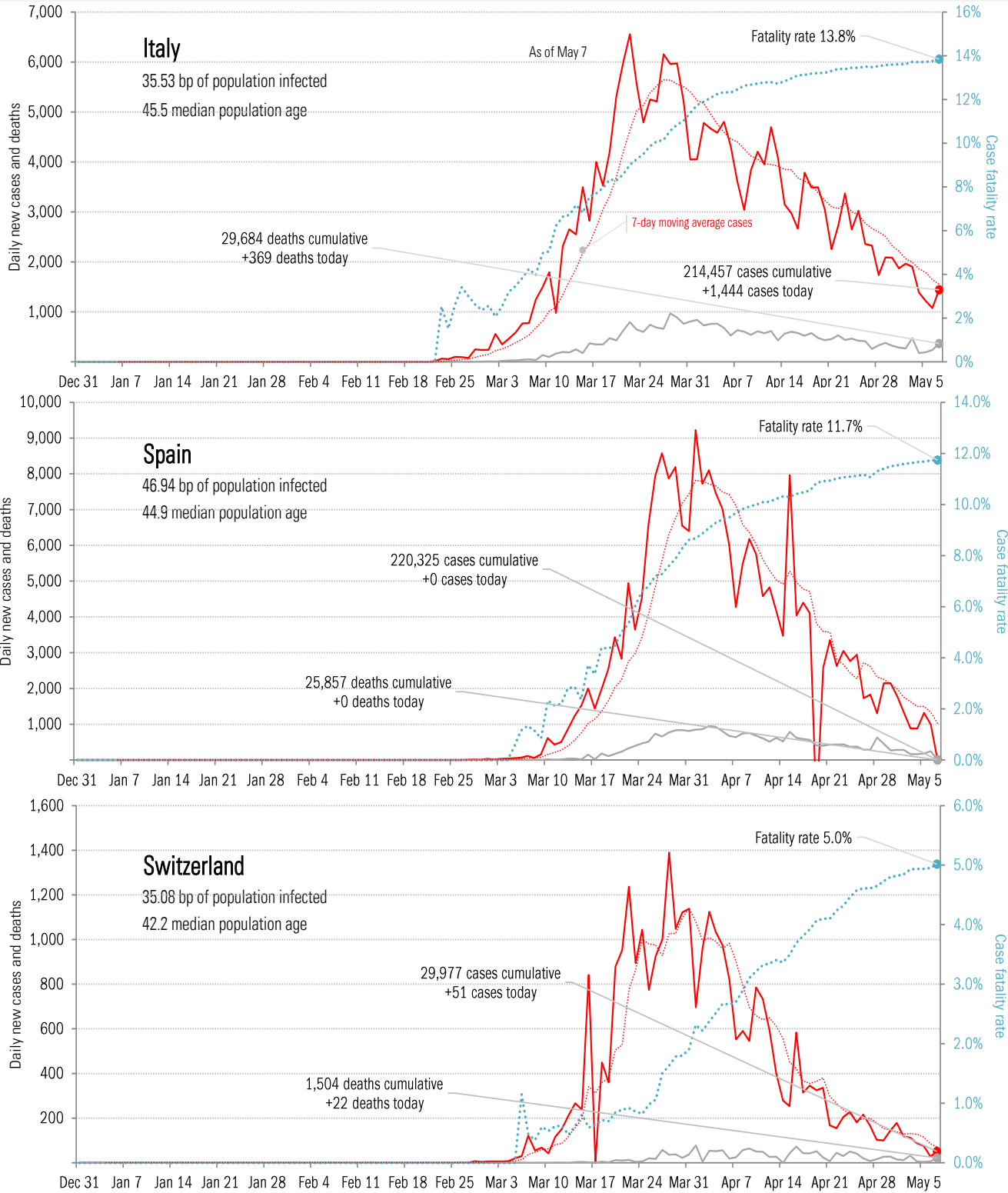
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



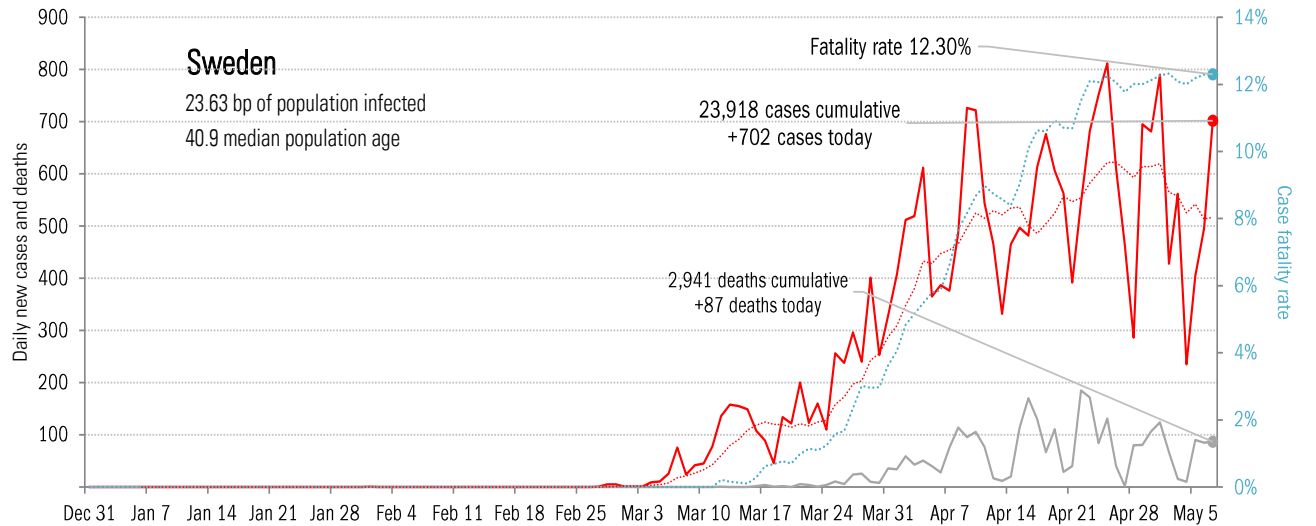
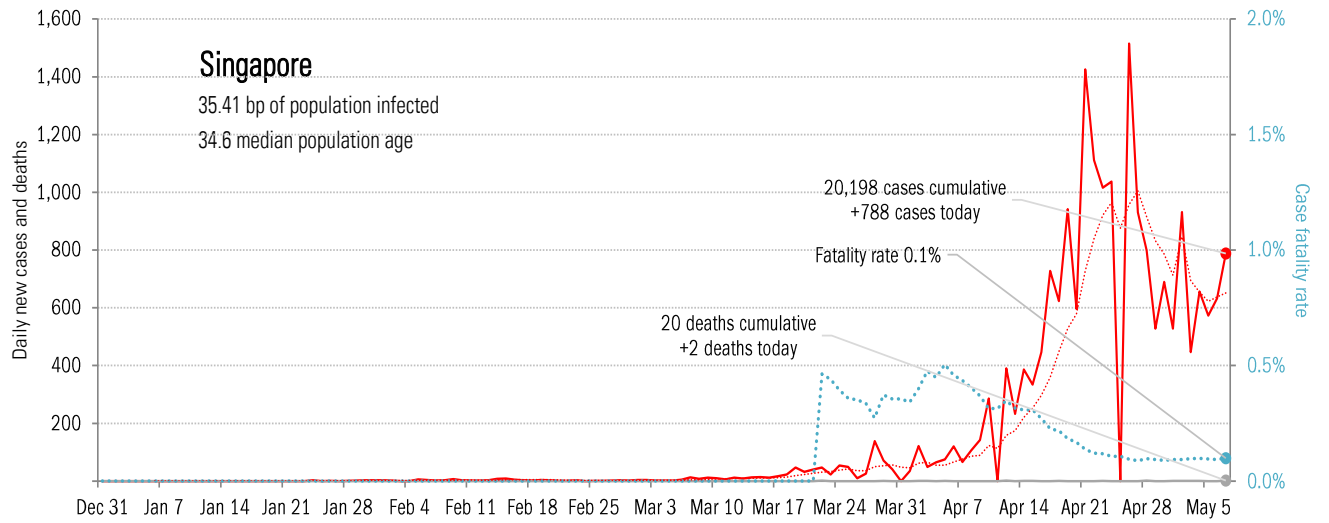
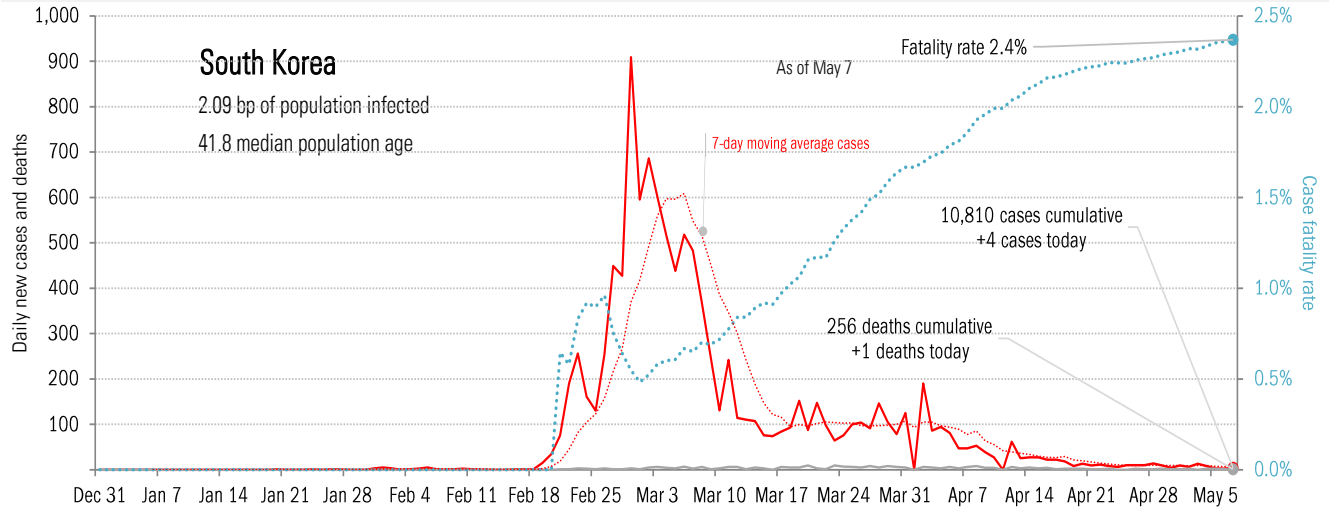
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



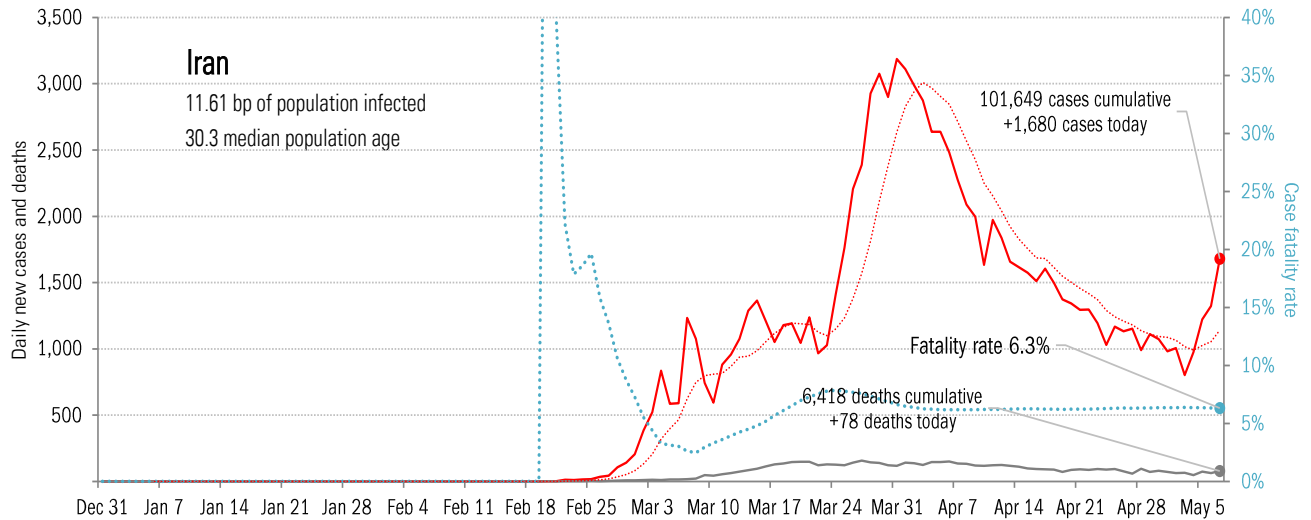
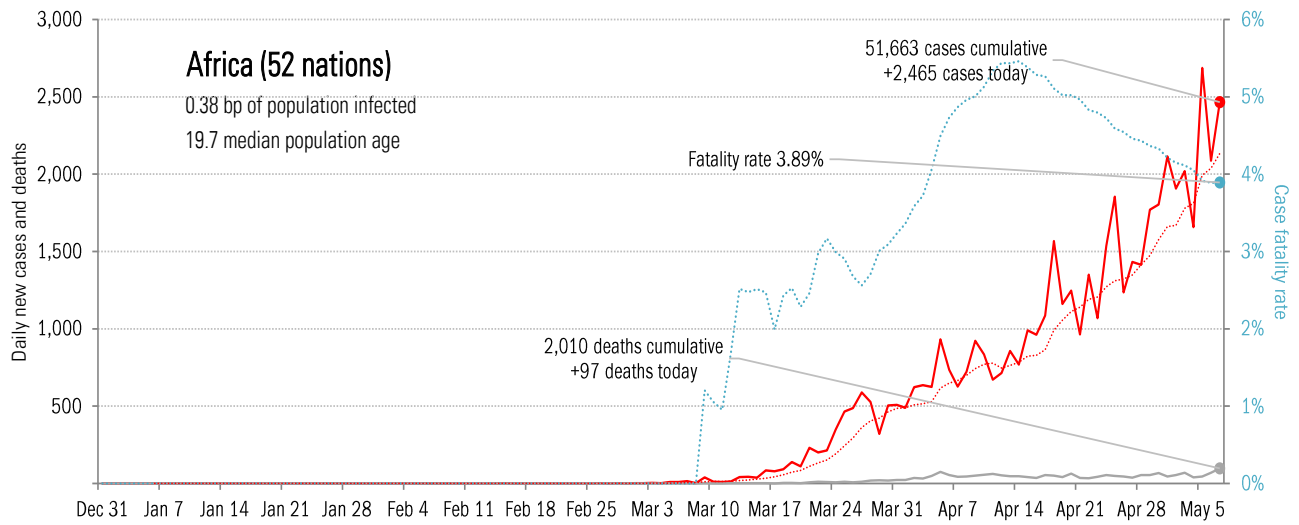
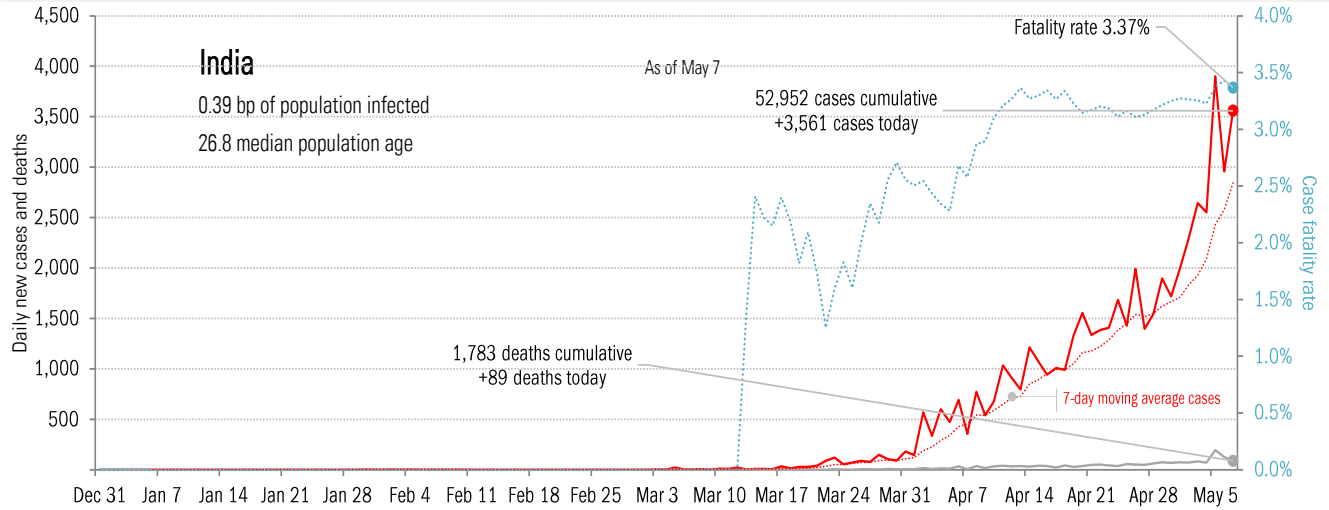
Source: [ECDC](#), TrendMacro calculations

## Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

# Impact in the fragile emerging world



Source: [ECDC](#), TrendMacro calculations