

## Data Insights: Covid-2019 Monitor

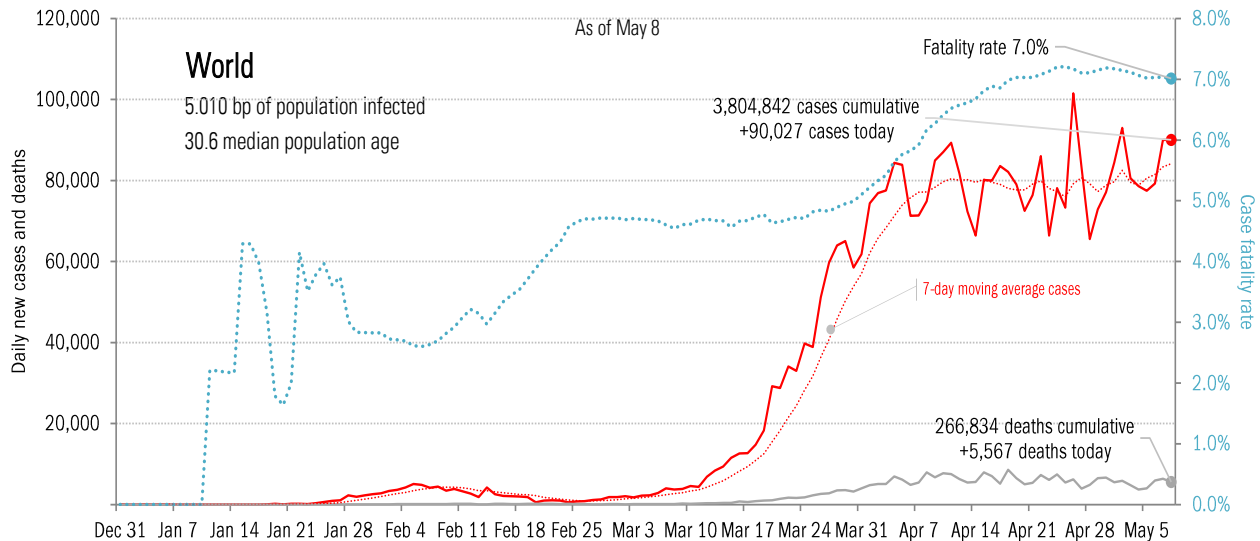
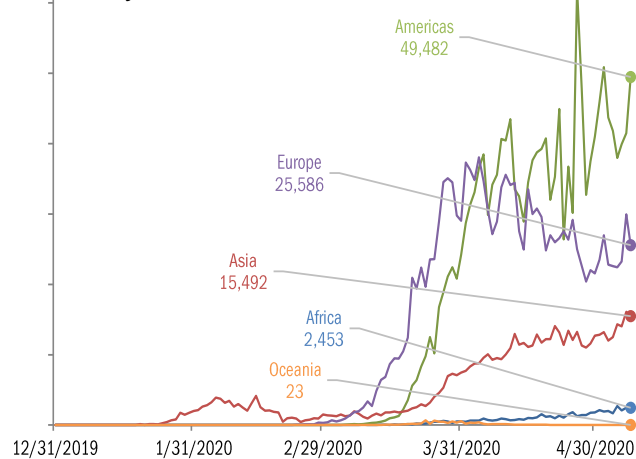
Friday, May 8, 2020

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
US	+28,369	US	+2,239
Russia	+11,231	Brazil	+610
Brazil	+9,888	UK	+539
UK	+5,514	Italy	+274
Peru	+3,709	Mexico	+257
India	+3,390	France	+178
Mexico	+1,982	Canada	+176
Turkey	+1,977	Germany	+147
Saudi_Arabia	+1,793	India	+103
Pakistan	+1,764	Sweden	+99
<b>+69,617</b>		<b>+4,622</b>	
World	+90,027	World	+5,567
Top ten	77%	Top ten	83%

#### New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

#### For more information contact us:

Donald Luskin: 312 273 6766 [don@trendmacro.com](mailto:don@trendmacro.com)  
 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

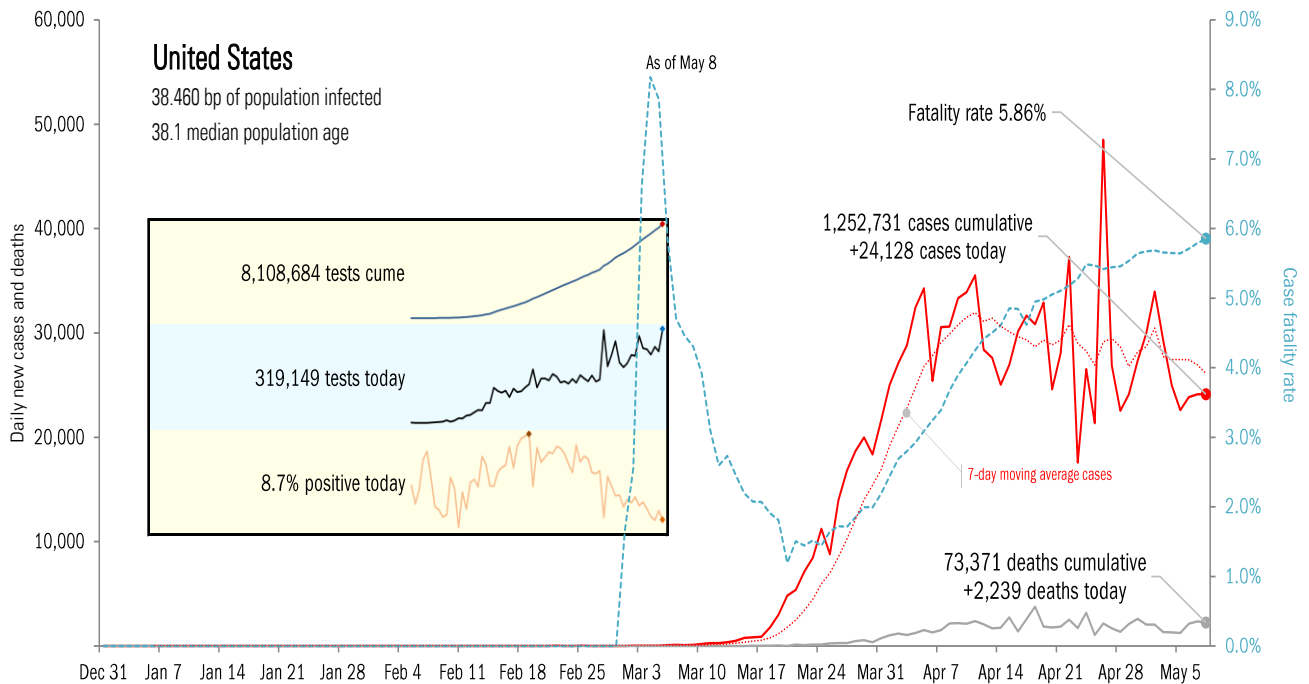
National and state-by-state data do not line up because of different sources

## The ten worst US states

New cases		New Deaths		New in hospital		Cure cases		Cure deaths		Cure in hospital	
NY	+3,671	NY	+951	CT	+1,631	NY	327,649	NY	20,828	NY	71,152
IL	+2,641	PA	+310	NY	+613	NJ	133,635	NJ	8,801	CT	9,389
CA	+1,799	NJ	+252	VA	+325	MA	73,721	MA	4,552	MA	7,237
NJ	+1,745	IL	+137	FL	+214	IL	70,873	MI	4,343	FL	6,990
MA	+1,696	MA	+132	MD	+166	CA	60,614	PA	3,416	GA	5,835
VA	+1,314	LA	+93	MA	+157	PA	52,915	IL	3,111	MD	5,663
MD	+1,211	MI	+93	OH	+88	MI	45,646	CT	2,797	VA	4,438
PA	+1,070	CA	+92	GA	+70	FL	38,828	CA	2,504	OH	4,140
TX	+968	CT	+79	CO	+67	TX	35,390	LA	2,208	CO	2,986
FL	+826	MD	+66	MN	+54	CT	31,784	FL	1,667	WI	1,732
<b>+16,941</b>		<b>+2,205</b>		<b>+3,385</b>		<b>871,055</b>		<b>54,227</b>		<b>119,562</b>	
All states	+27,580	All states	+2,746	All states	+3,699	All states	1,248,137	All states	70,002	All states	135,176
Top ten	61%	Top ten	80%	Top ten	92%	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	
CA	-804	MA	-76	MA	-92	CT	+1,067
KY	-465	NJ	-53	GA	-61	NY	+950
DE	-246	CH	-44	KY	-61	TX	+818
GA	-242	CO	-34	NY	-59	IA	+463
IN	-204	SC	-22	SC	-42	MN	+303



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

## Recommended reading

### [Travel From New York City Seeded Wave of U.S. Outbreaks](#)

Benedict Carey and James Glanz  
*New York Times*  
May 7, 2020

### [A Place in the U.S. With No Covid-19? Look to American Samoa.](#)

Simon Romero  
*New York Times*  
May 6, 2020

### [Wisconsin Sup. Ct. Justice: Isn't state's lockdown order "the very definition of tyranny?"](#)

*Legal Insurrection*  
May 5, 2020

### [An SIR model with behavior](#)

John Cochrane  
*The Grumpy Economist*  
May 4, 2020

### [China gets top score as citizens rank their governments' response to the coronavirus outbreak](#)

Karen Gilchrist  
*CNBC*  
May 6, 2020

## Meme of the day

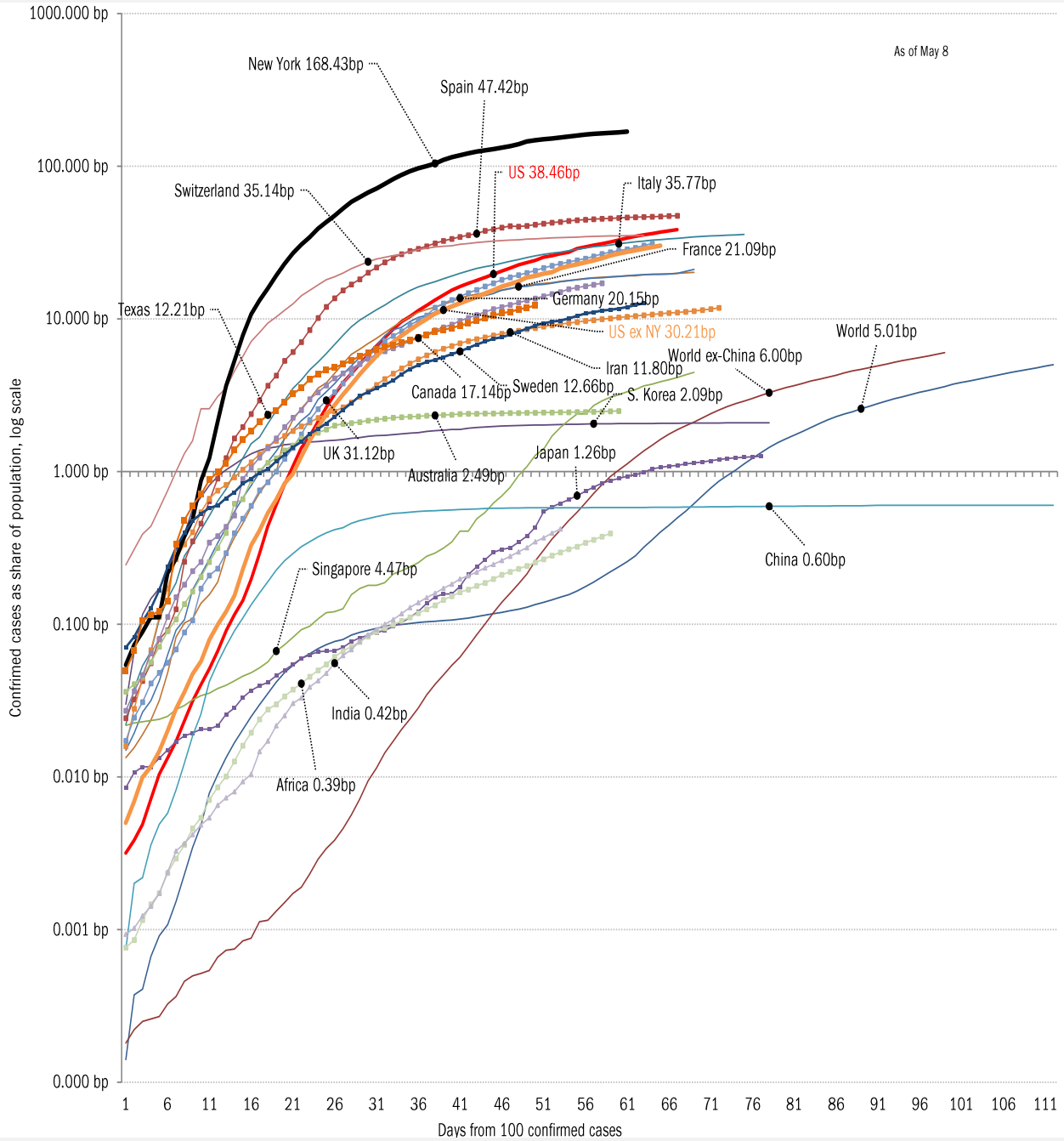
April: "At least it can't get any worse"

May:



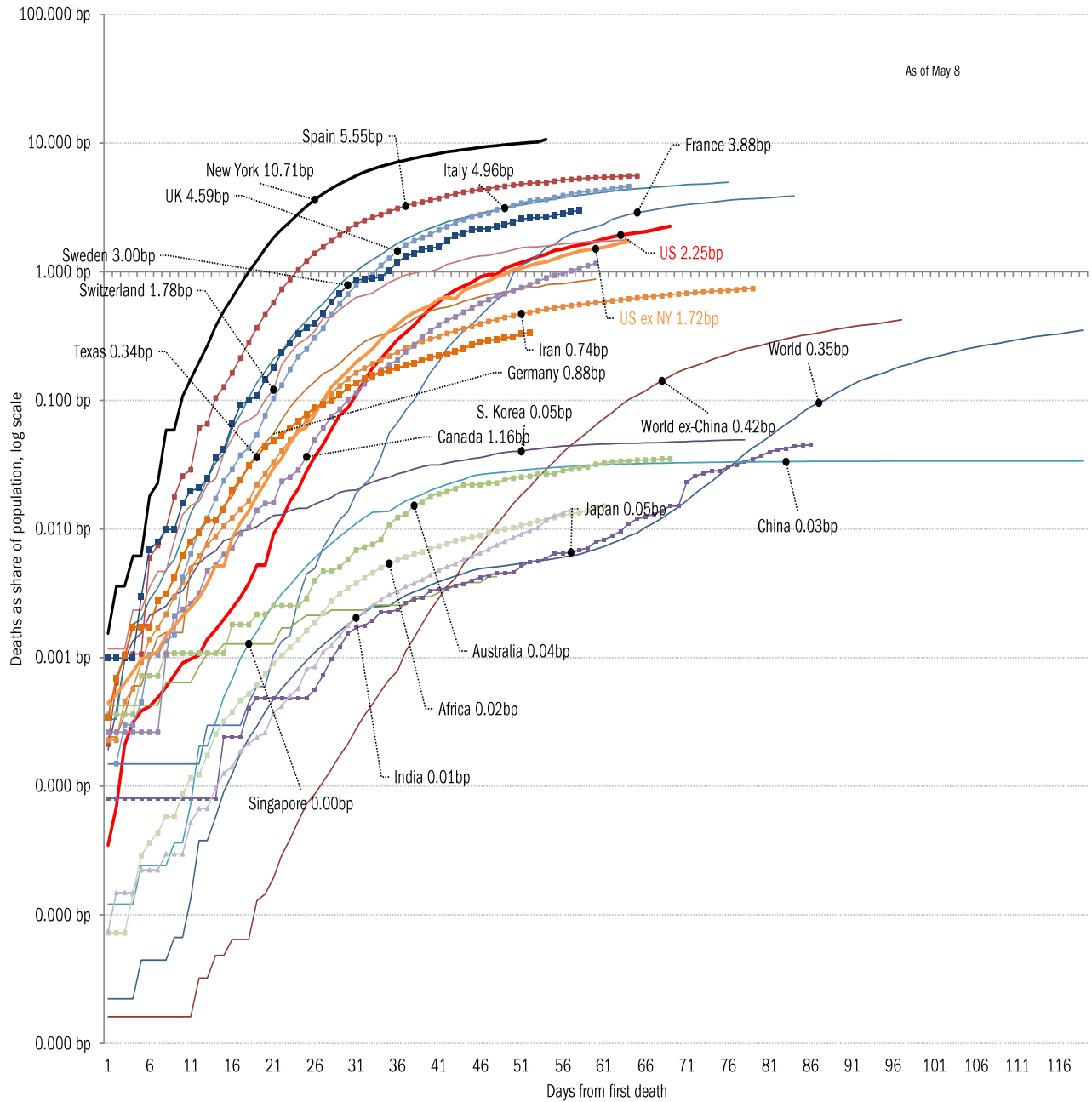
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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*



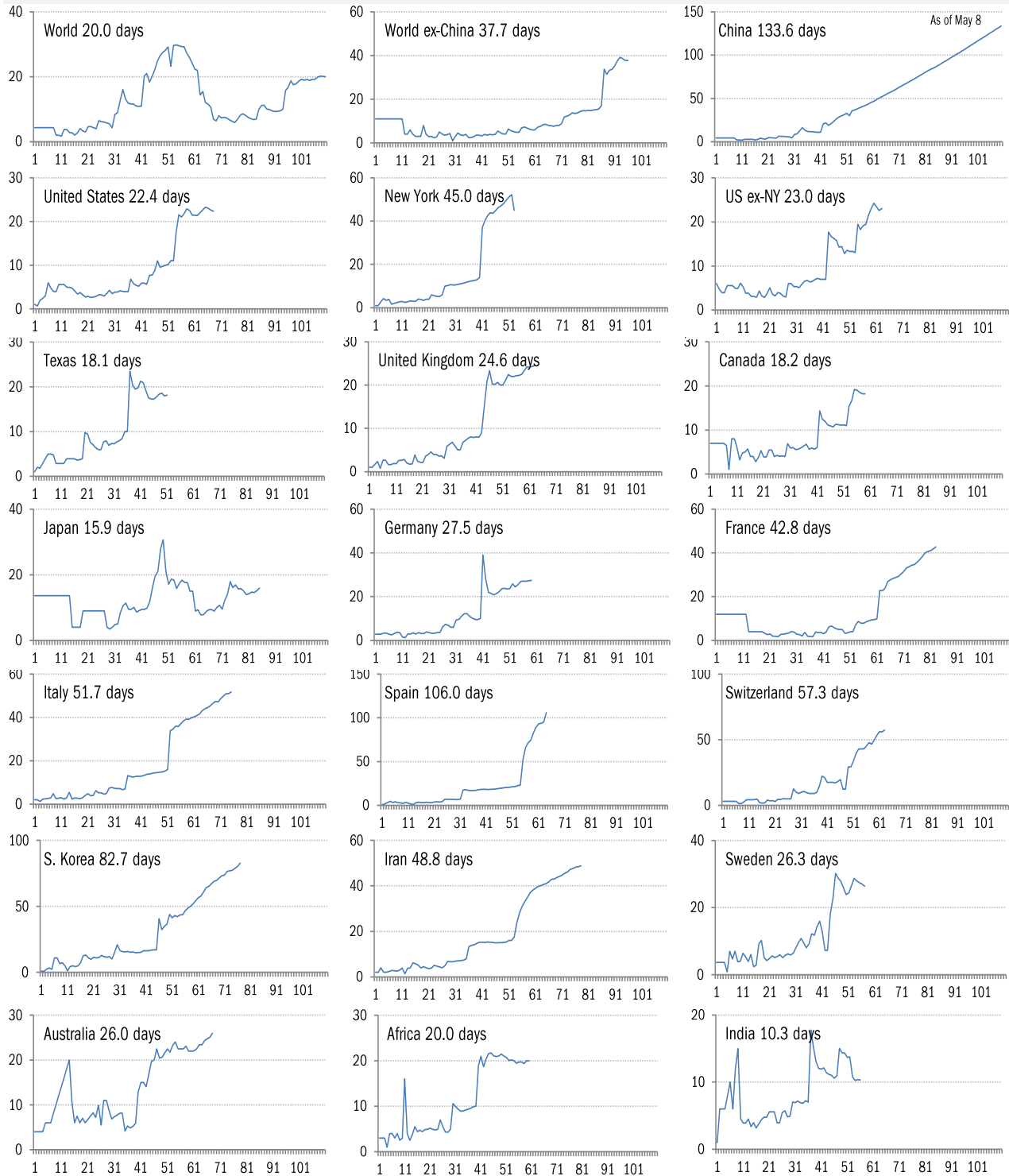
Source: [ECDC](#), TrendMacro calculations

# 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*

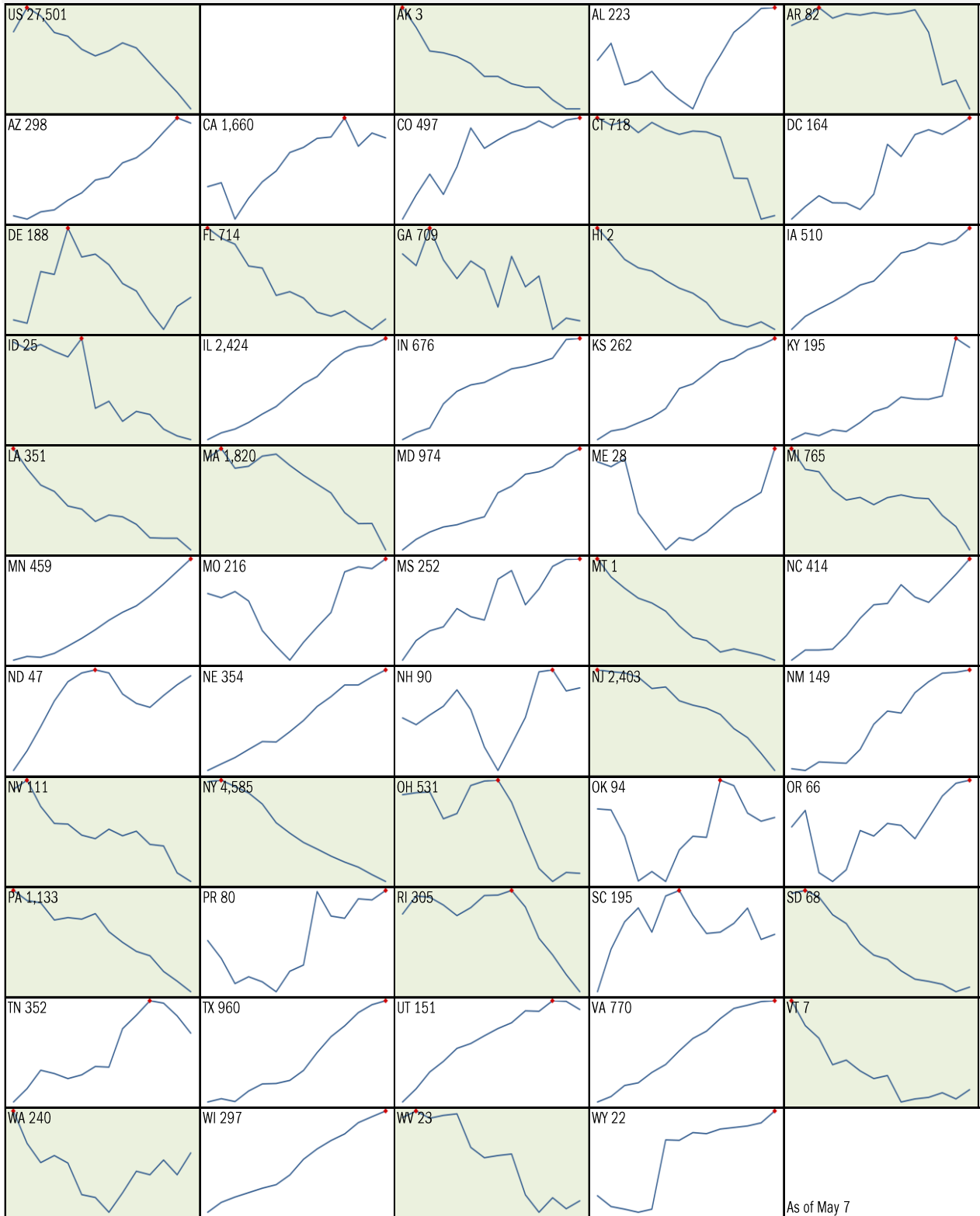
Progress means seeing the line move up and to the right. . .

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



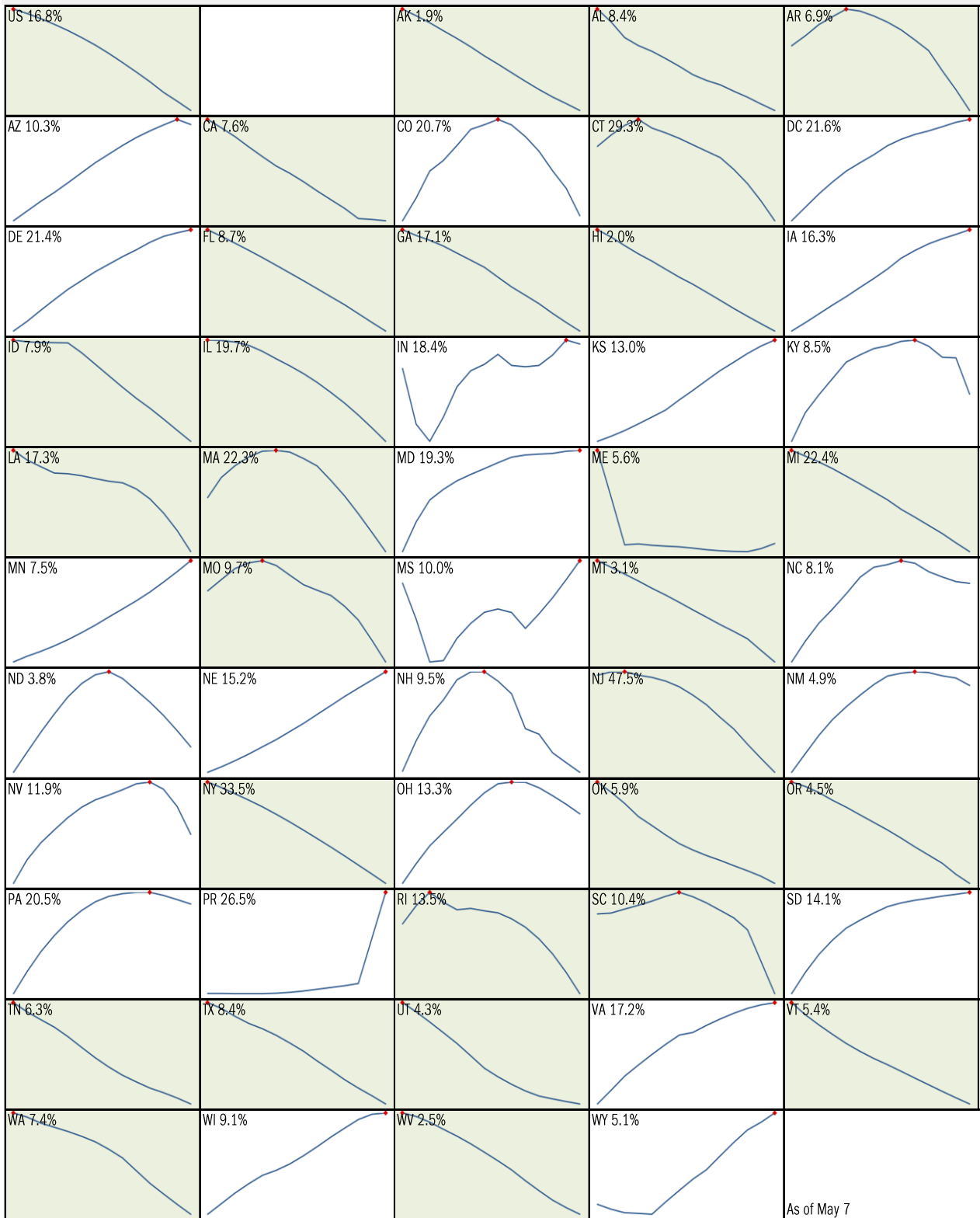
Source: [ECDC](#), TrendMacro calculations

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

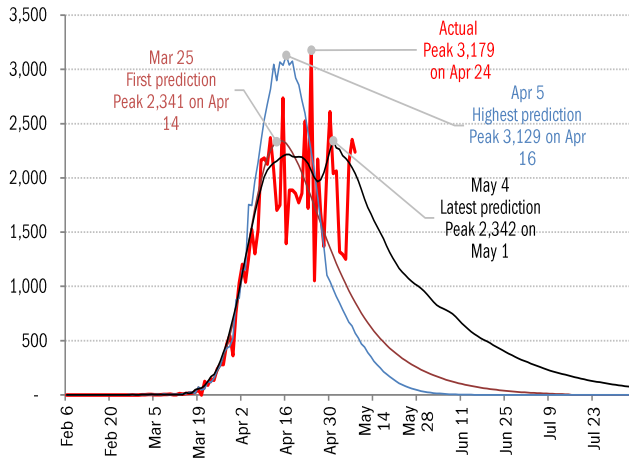


# Reality-checking the models: actuals versus [IHME predictions](#)

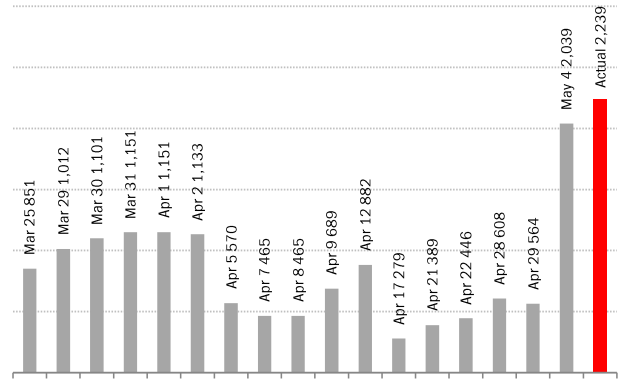
## New daily fatalities

As of May 8

Actual versus first, highest and latest model mean predictions

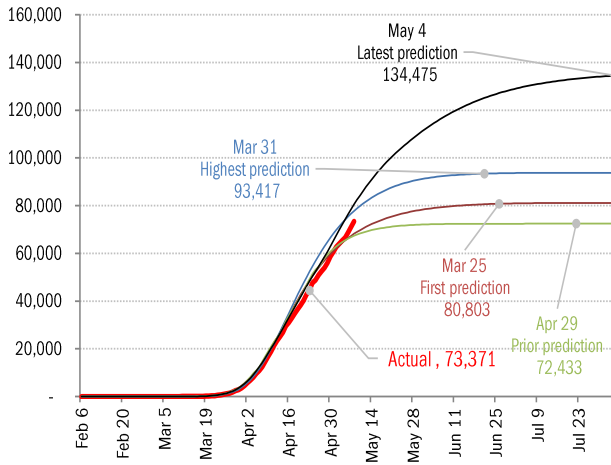


For this day, versus all model mean predictions

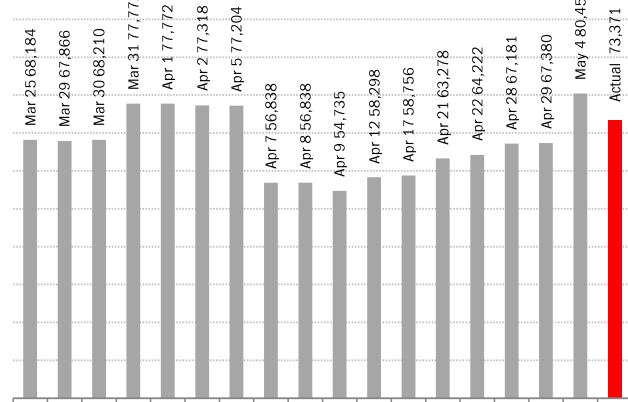


## Cumulative fatalities

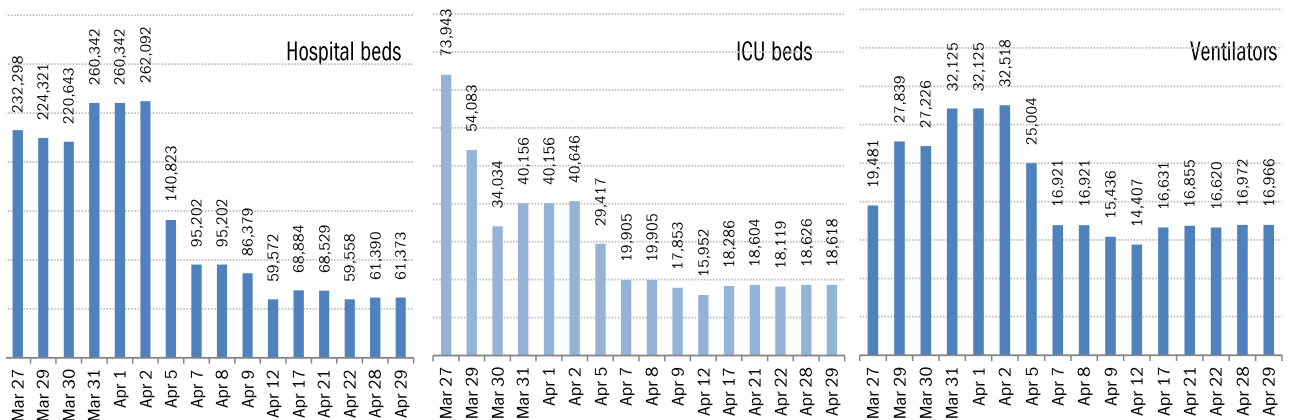
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

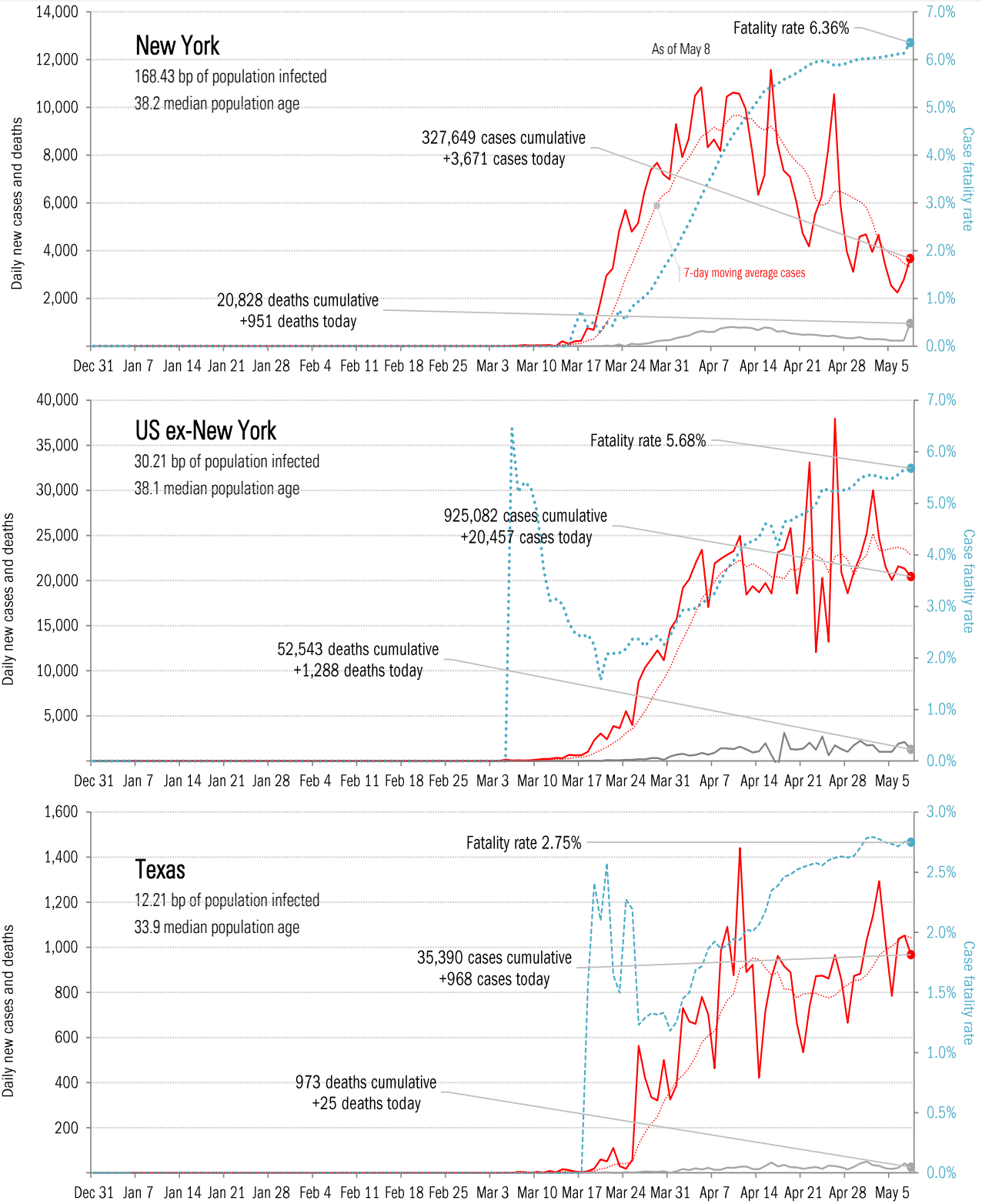


## Healthcare system stress, peak estimated at each model revision



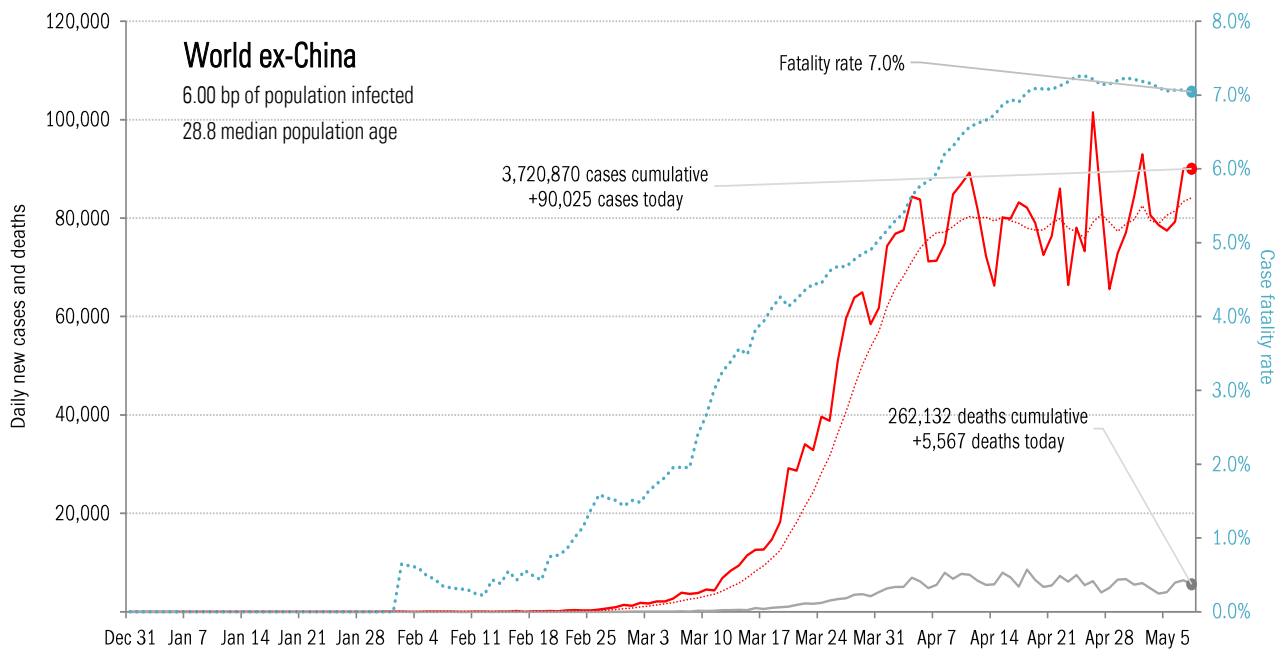
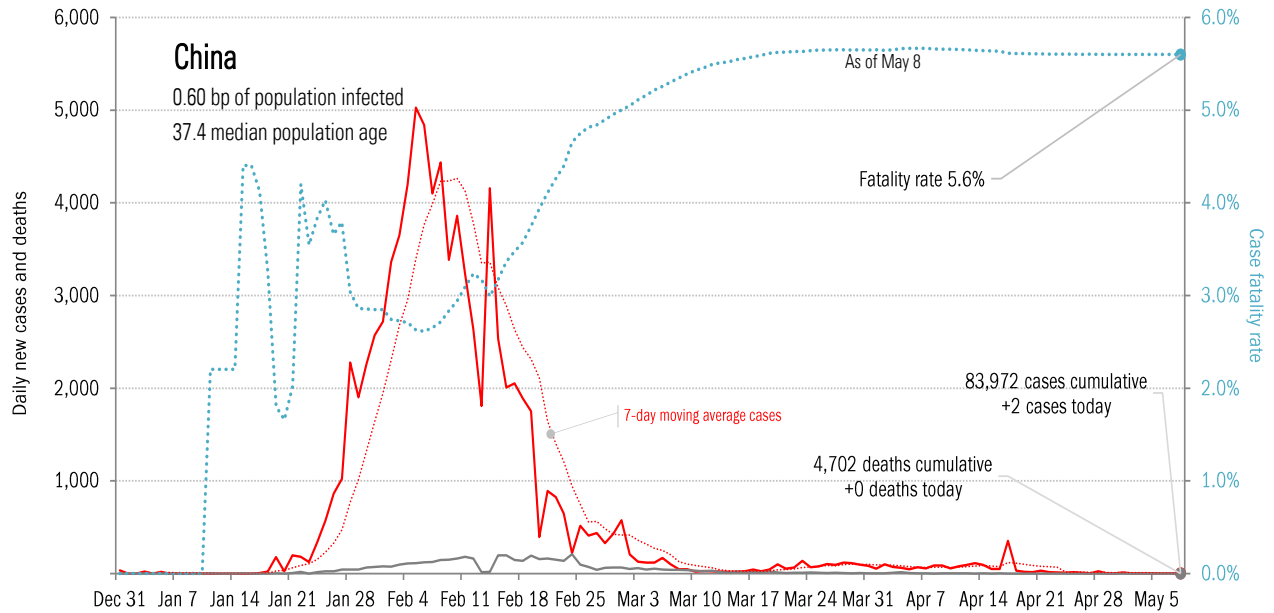
Source: [ECDC](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



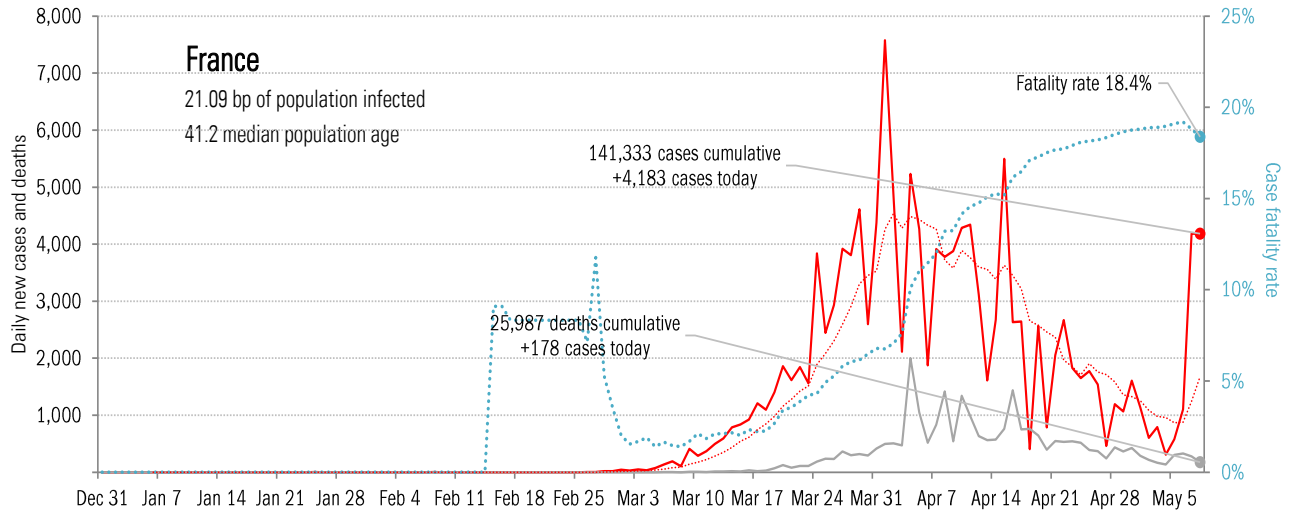
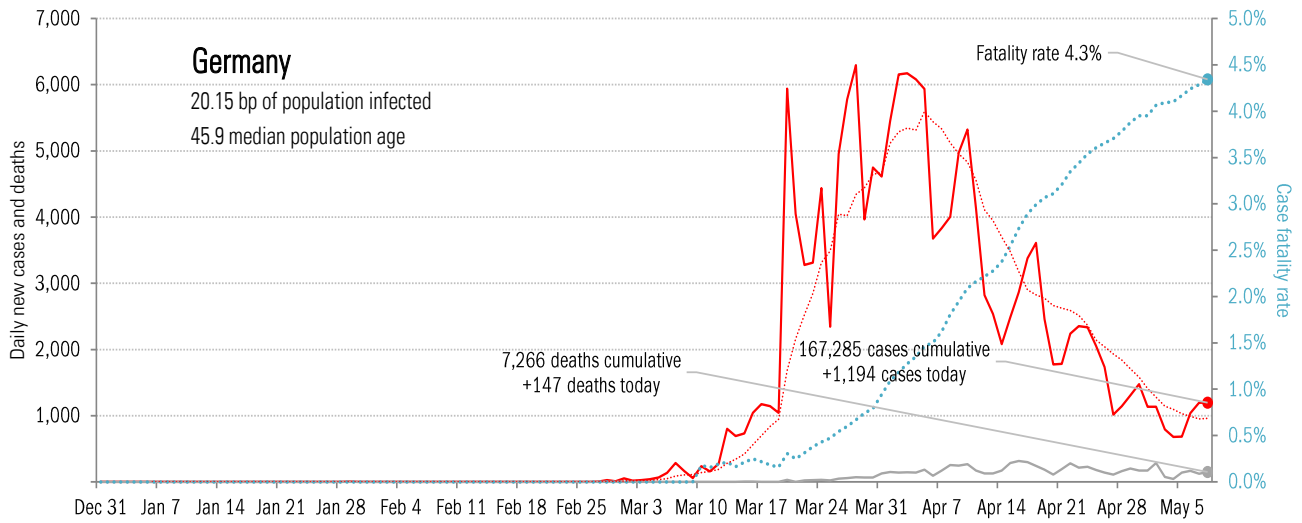
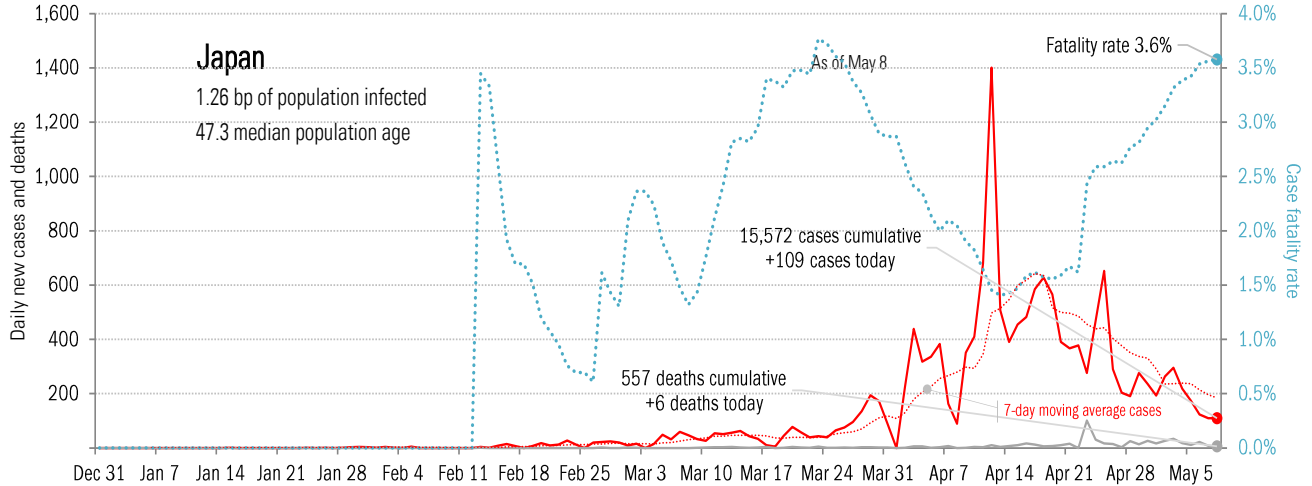
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



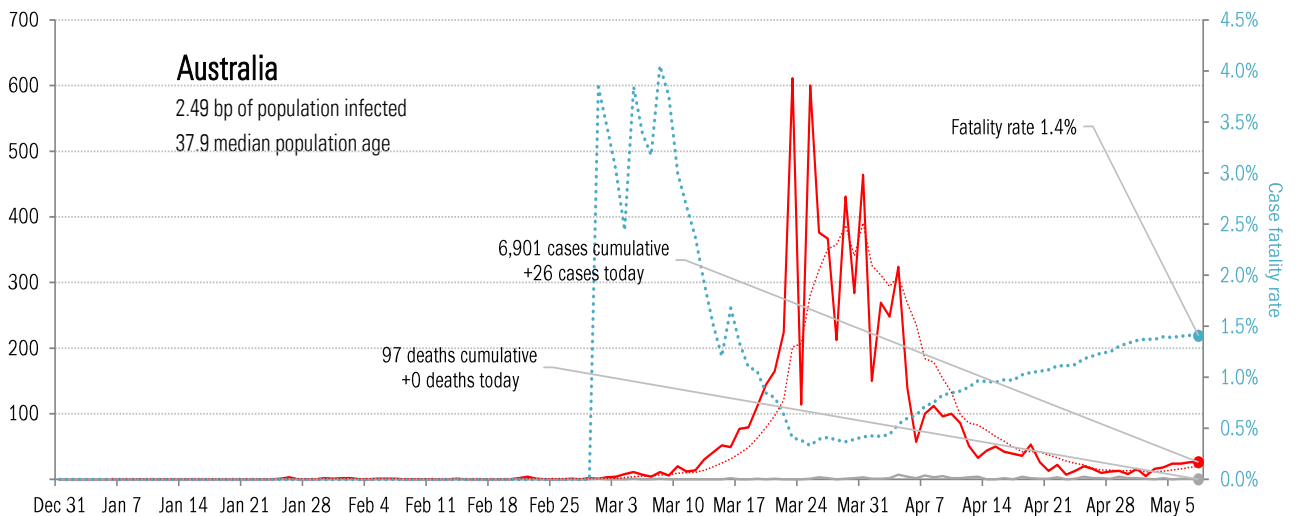
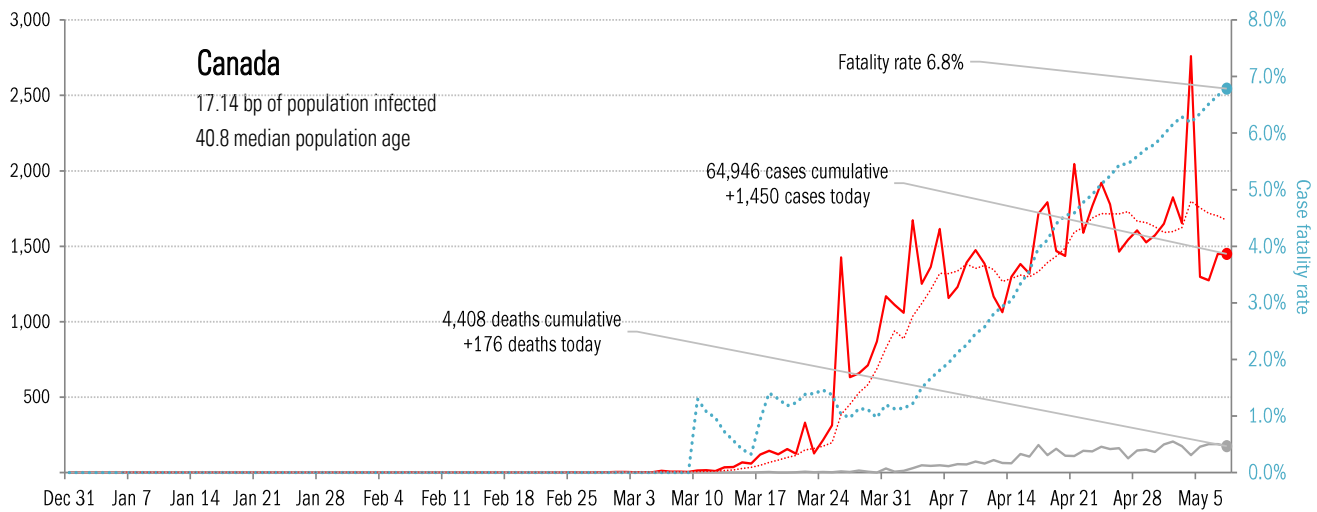
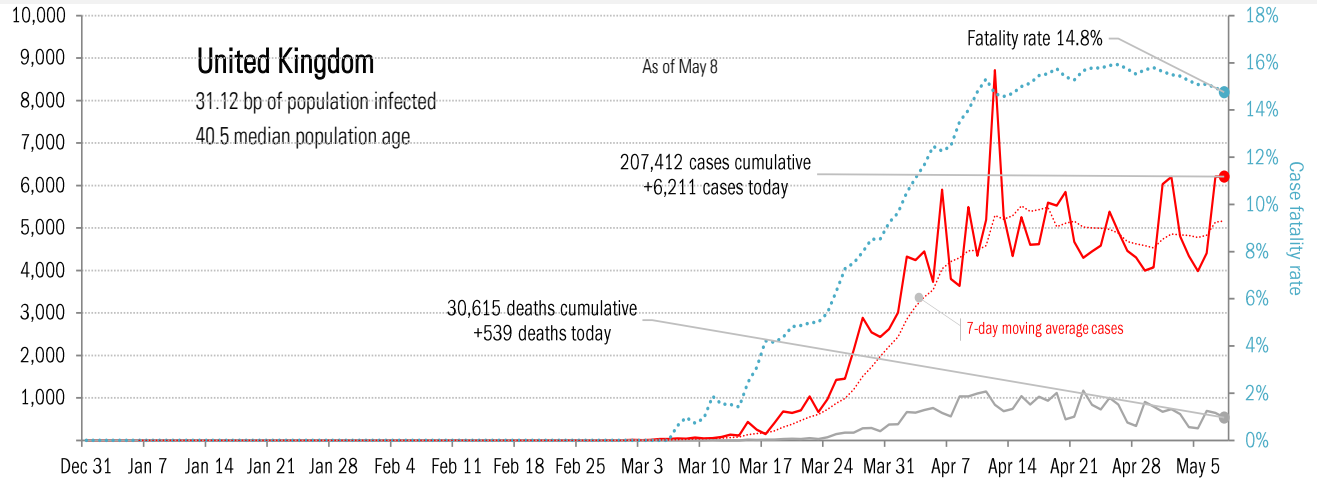
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



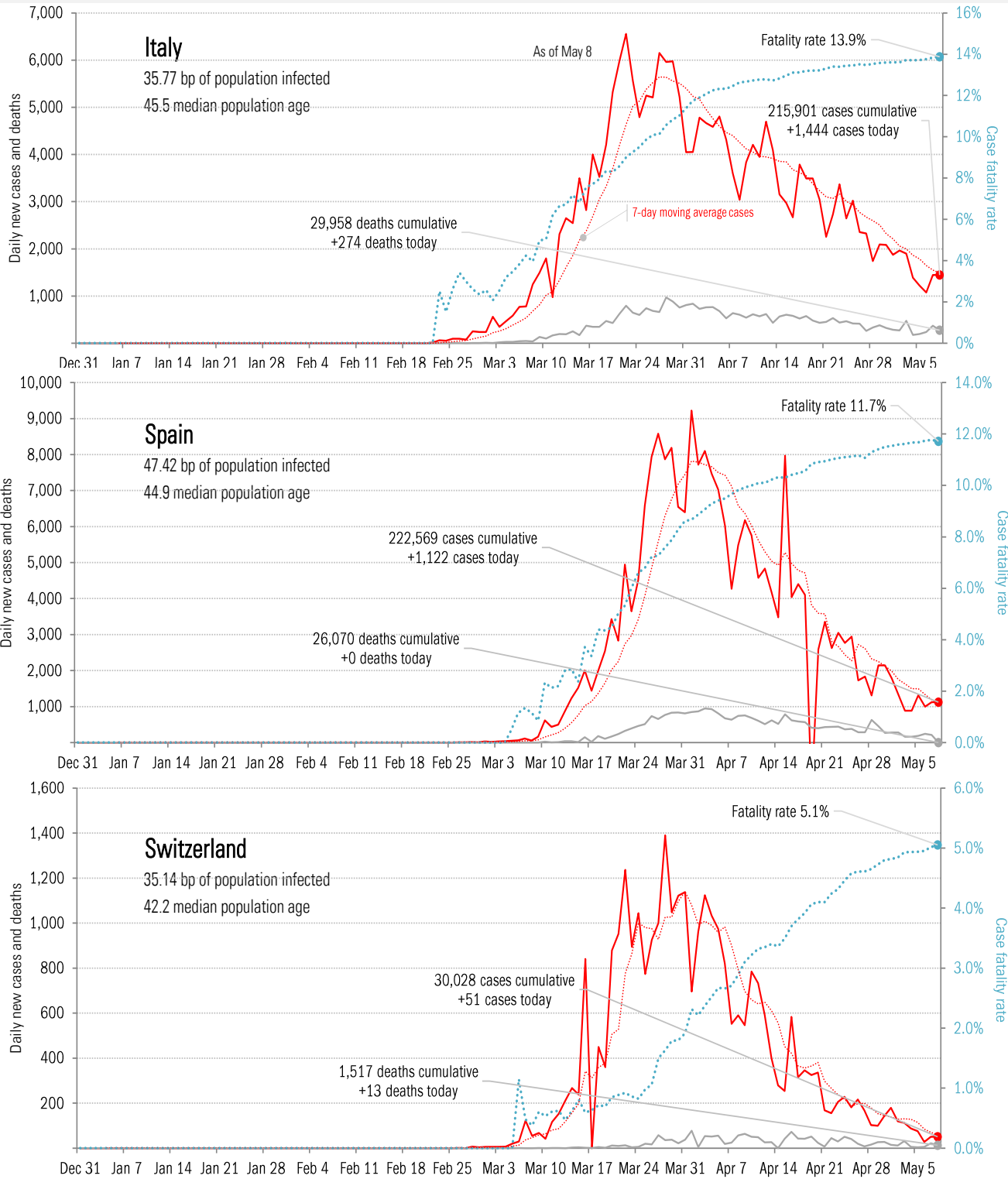
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



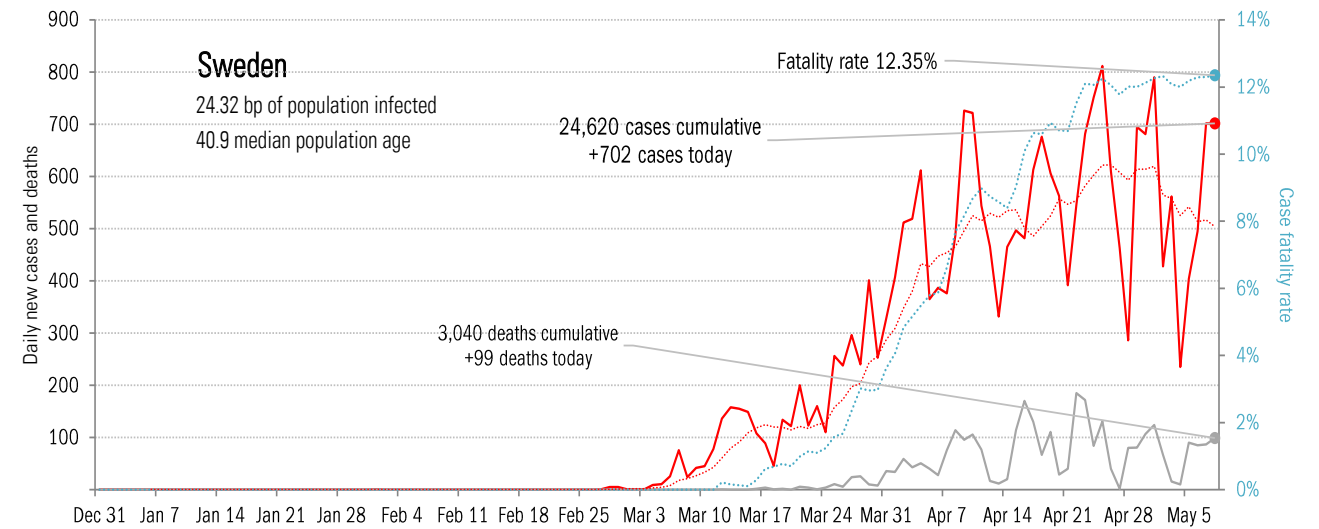
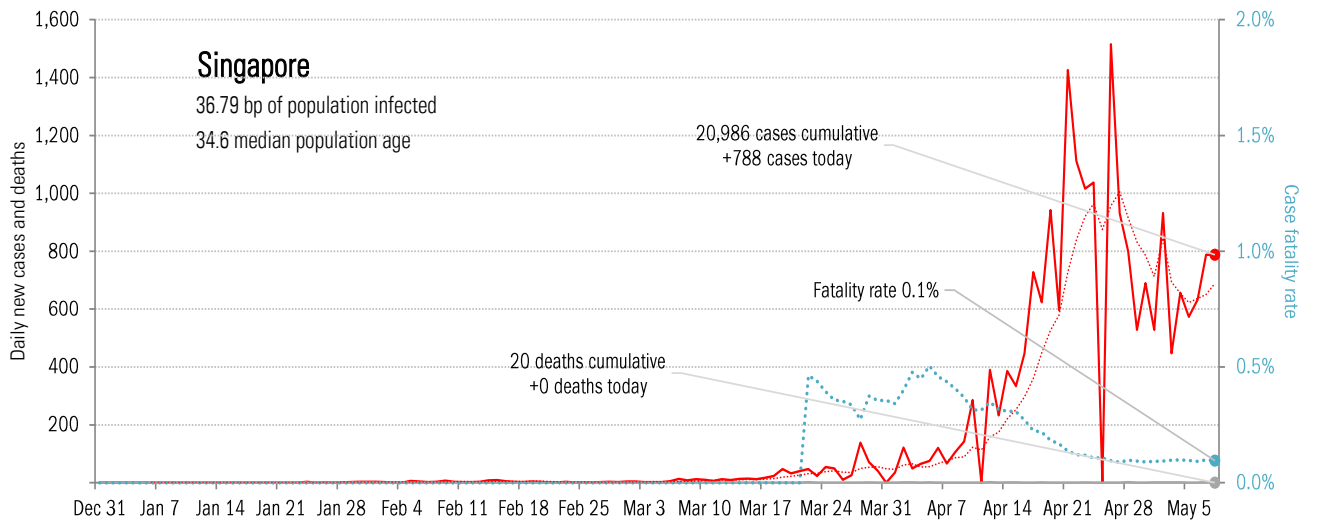
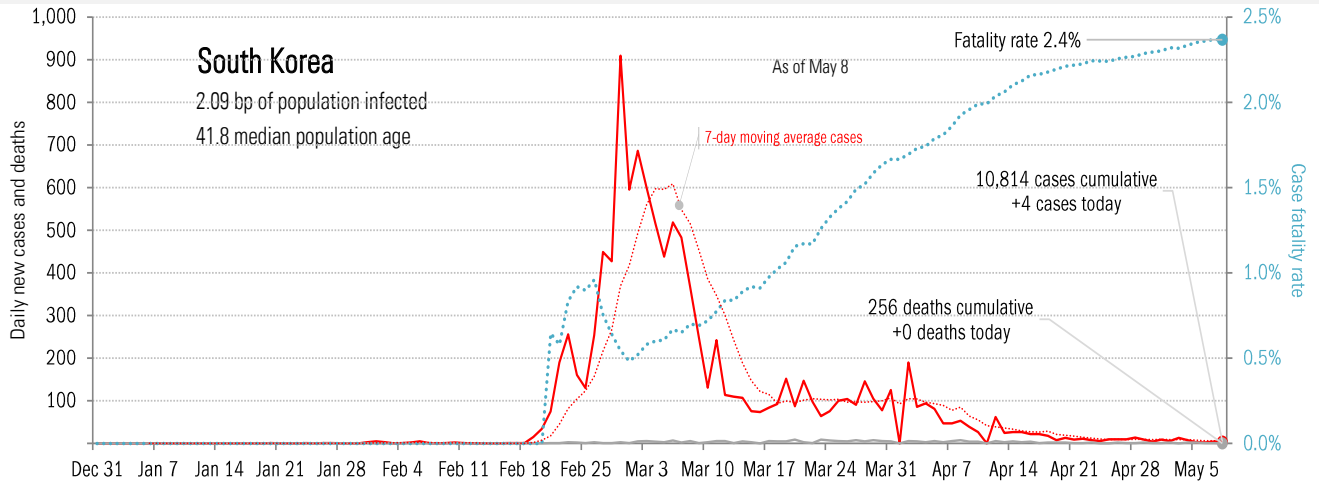
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



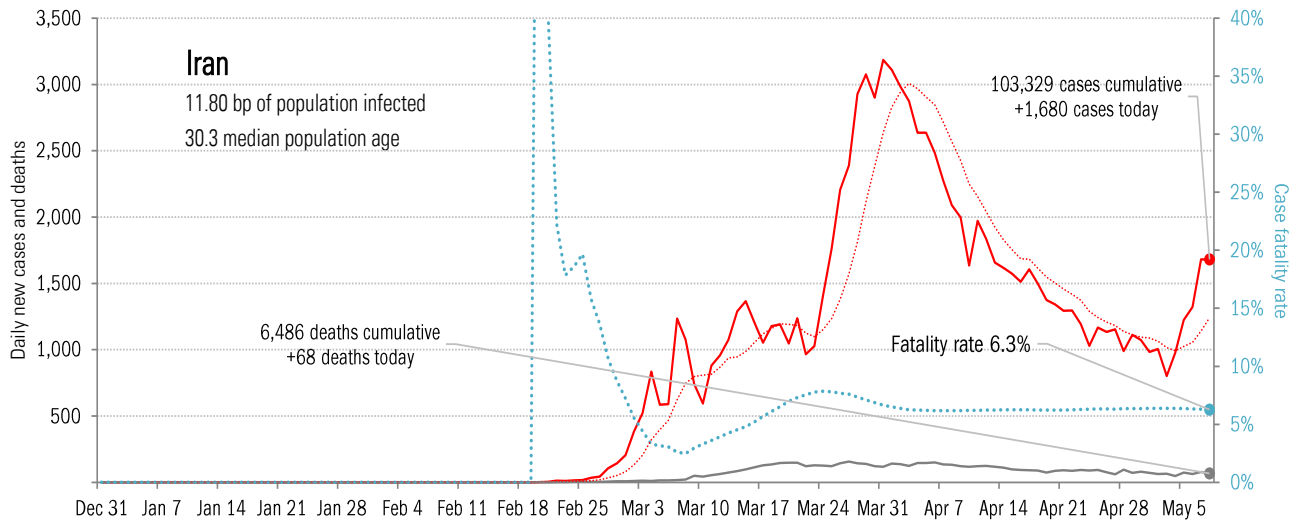
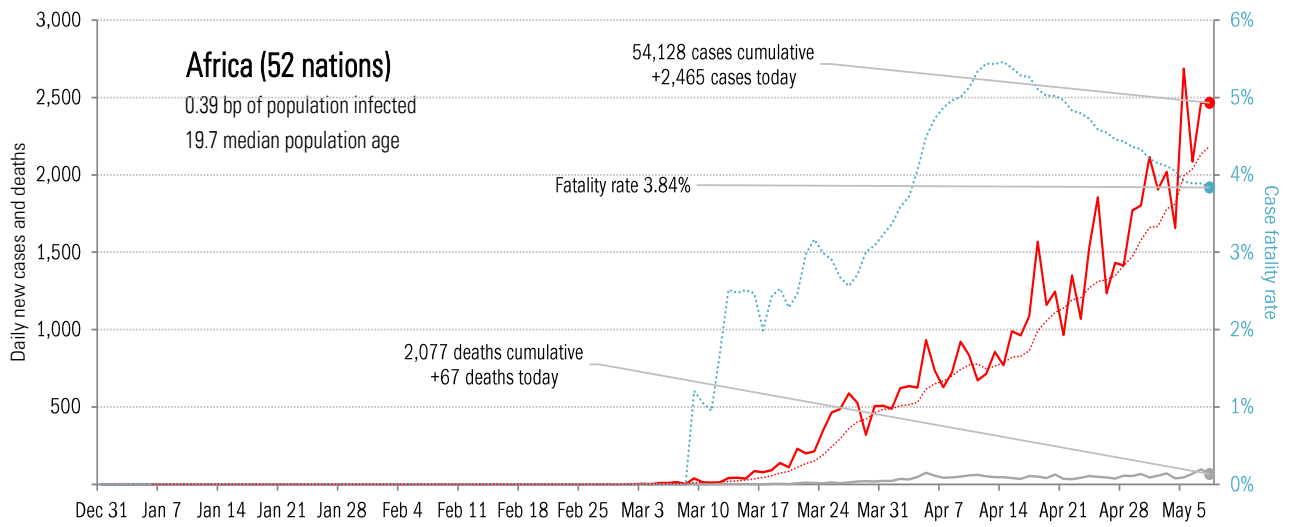
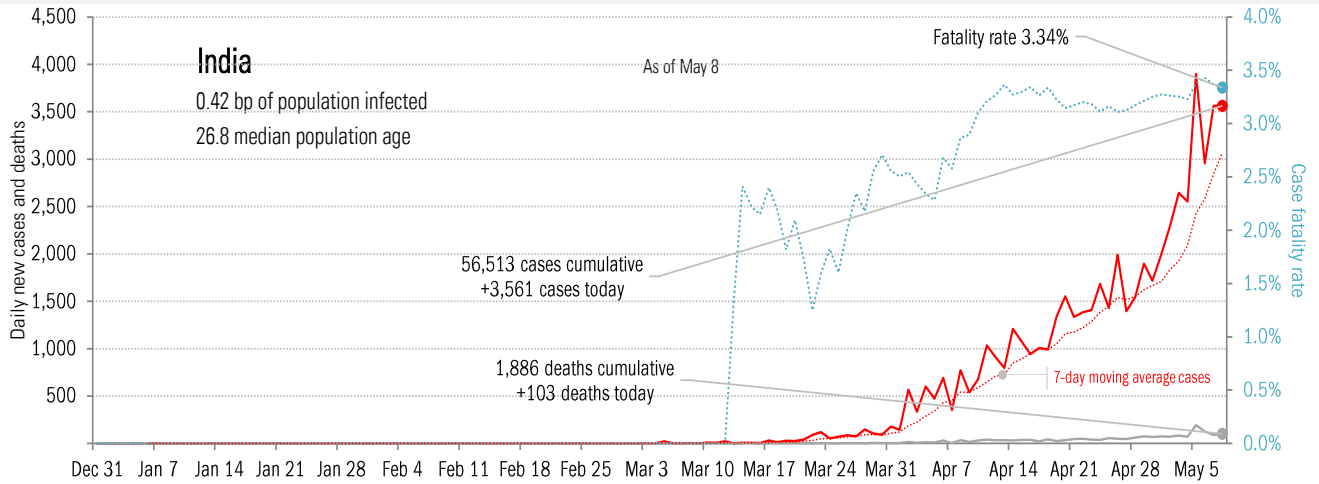
Source: [ECDC](#), TrendMacro calculations

# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

# Impact in the fragile emerging world



Source: [ECDC](#), TrendMacro calculations