

## Data Insights: Covid-2019 Monitor

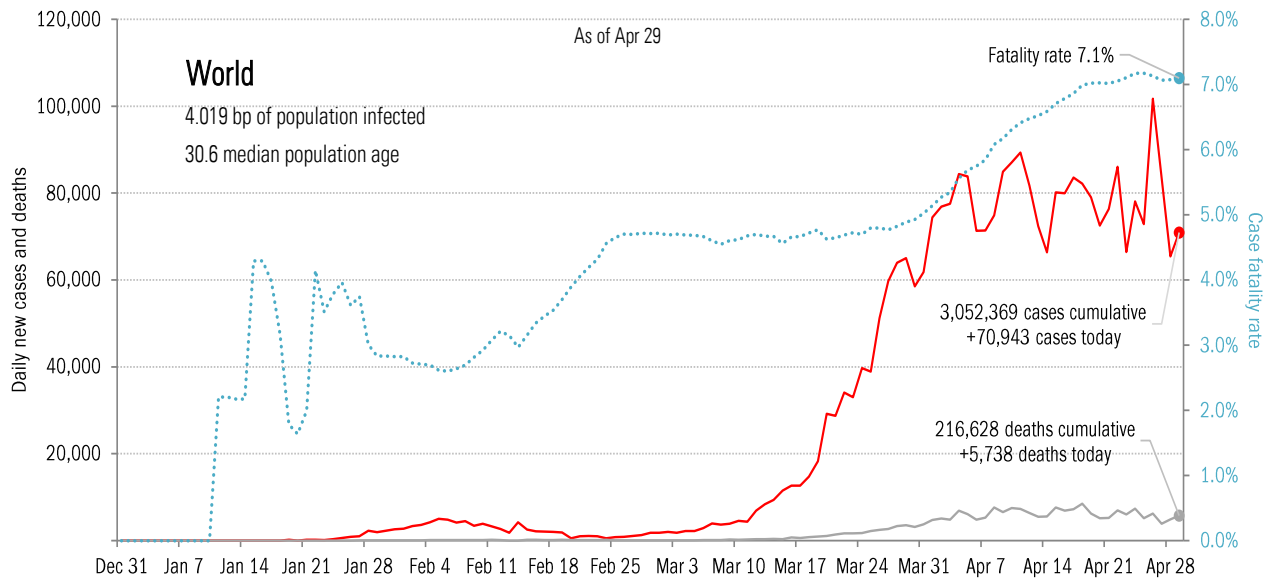
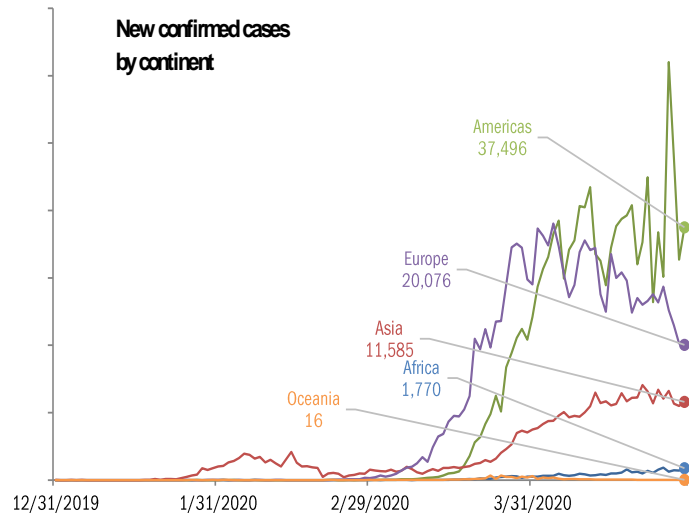
Wednesday, April 29, 2020

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
US	+24,132	US	+2,110
Russia	+6,411	UK	+586
Brazil	+5,385	Brazil	+474
UK	+3,996	Italy	+382
Peru	+2,491	France	+367
Turkey	+2,392	Ecuador	+208
Italy	+2,091	Germany	+202
India	+1,897	Canada	+152
Canada	+1,526	Mexico	+135
Germany	+1,304	Belgium	+124
<b>+51,625</b>		<b>+4,740</b>	
World	+70,943	World	+5,738
Top ten	73%	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

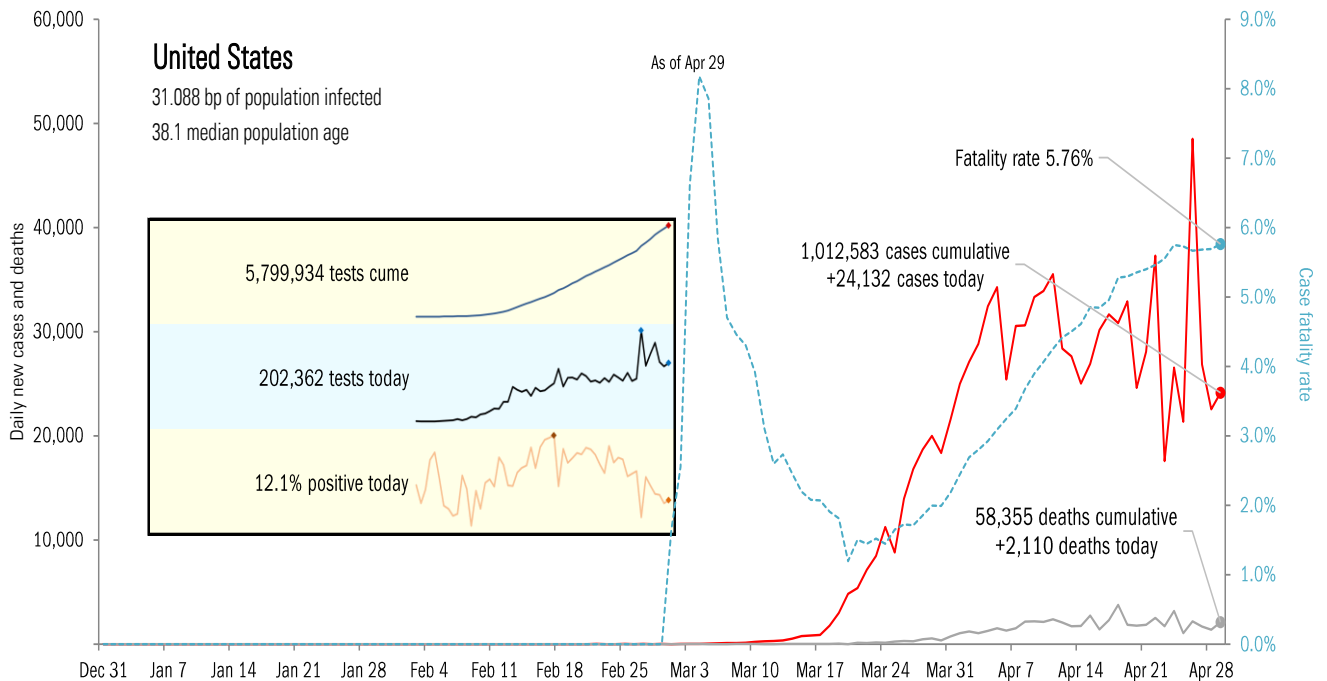
National and state-by-state data do not line up because of different sources

## The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
NY	+3,110	NJ	+398	NY	+748	NY	295,106	NY	17,638	NY	64,318
NJ	+2,668	NY	+335	MA	+278	NJ	113,856	NJ	6,442	MA	5,515
IL	+2,219	MI	+160	MD	+167	MA	58,302	MI	3,567	FL	5,266
MA	+1,840	MA	+150	GA	+133	IL	48,102	MA	3,153	GA	4,814
CA	+1,567	IL	+142	VA	+124	CA	45,031	IL	2,125	MD	4,268
PA	+1,214	LA	+131	OH	+108	PA	43,264	CT	2,089	VA	3,422
MI	+1,052	PA	+119	NM	+69	MI	39,262	CA	1,809	OH	3,340
CT	+1,043	CT	+91	TN	+57	FL	32,846	LA	1,801	CO	2,485
TX	+874	MD	+71	FL	+55	LA	27,286	PA	1,716	WI	1,456
FL	+708	IN	+57	MN	+51	CT	26,312	FL	1,154	KY	1,281
<b>+16,295</b>		<b>+1,654</b>		<b>+1,790</b>		<b>729,367</b>		<b>41,494</b>		<b>96,165</b>	
All states	+24,458	All states	+2,198	All states	+2,059	All states	1,005,592	All states	52,525	All states	106,308
Top ten	67%	Top ten	75%	Top ten	87%	Top ten	73%	Top ten	79%	Top ten	90%

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NY	-841	GA	-4	VA	-1,160	NJ	+15,642
VA	-788	NE	-4	NY	-296	NY	+922
IN	-322	DC	-2	GA	-189	TX	+616
MD	-280	ND	-2	MS	-31	TN	+201
TN	-117	NY	-2	RI	-13	AR	+159



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

## Recommended reading

### [Many US restaurants 'highly likely' to return small business aid](#)

Courtney Weaver  
*Financial Times*  
April 29, 2020

### [The Secret Group of Scientists and Billionaires Pushing a Manhattan Project for Covid-19](#)

Rob Copeland  
*Wall Street Journal*  
April 27, 2020

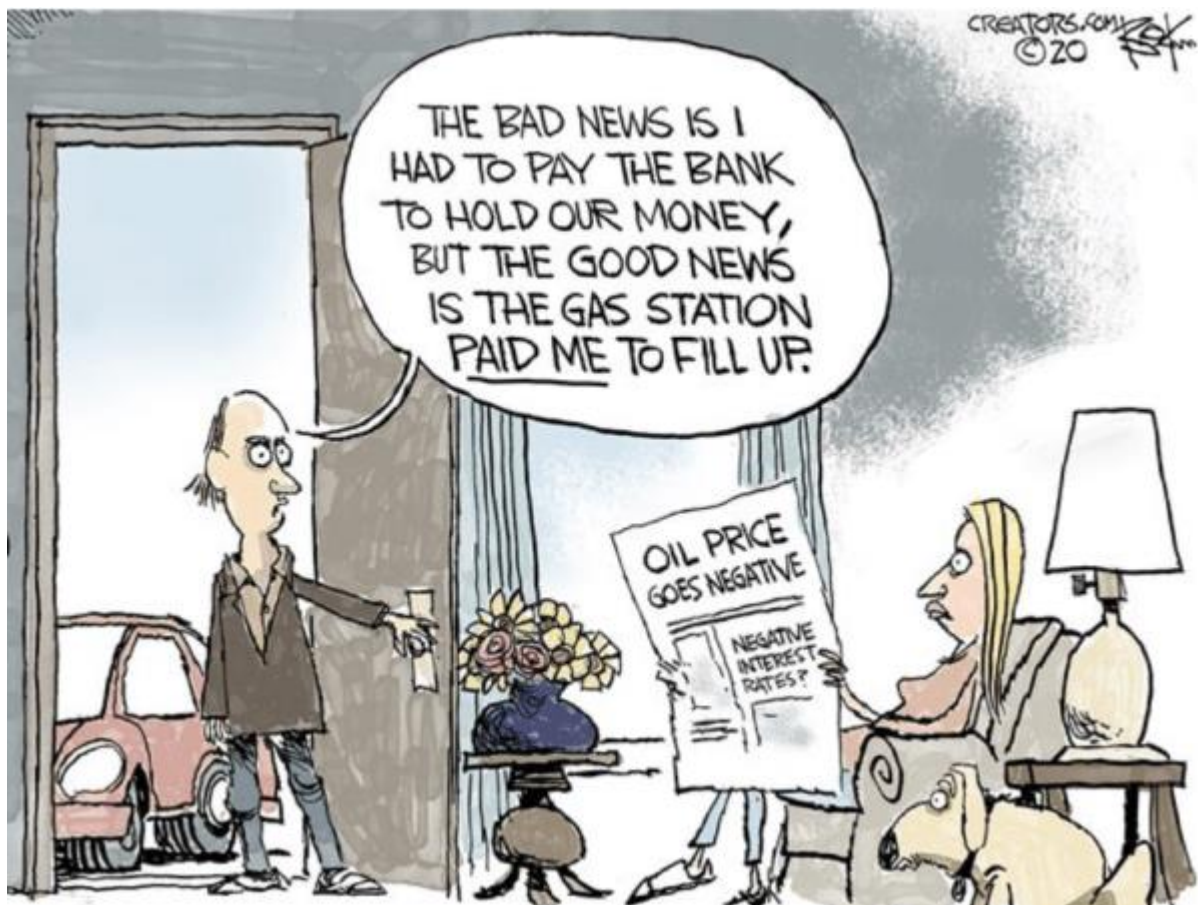
### ['Life Has to Go On': How Sweden Has Faced the Virus Without a Lockdown](#)

Thomas Erdbrink and Christina Anderson  
*New York Times*  
April 28, 2020

### [Ground Zero: A fifth to half of all coronavirus deaths have been in nursing homes](#)

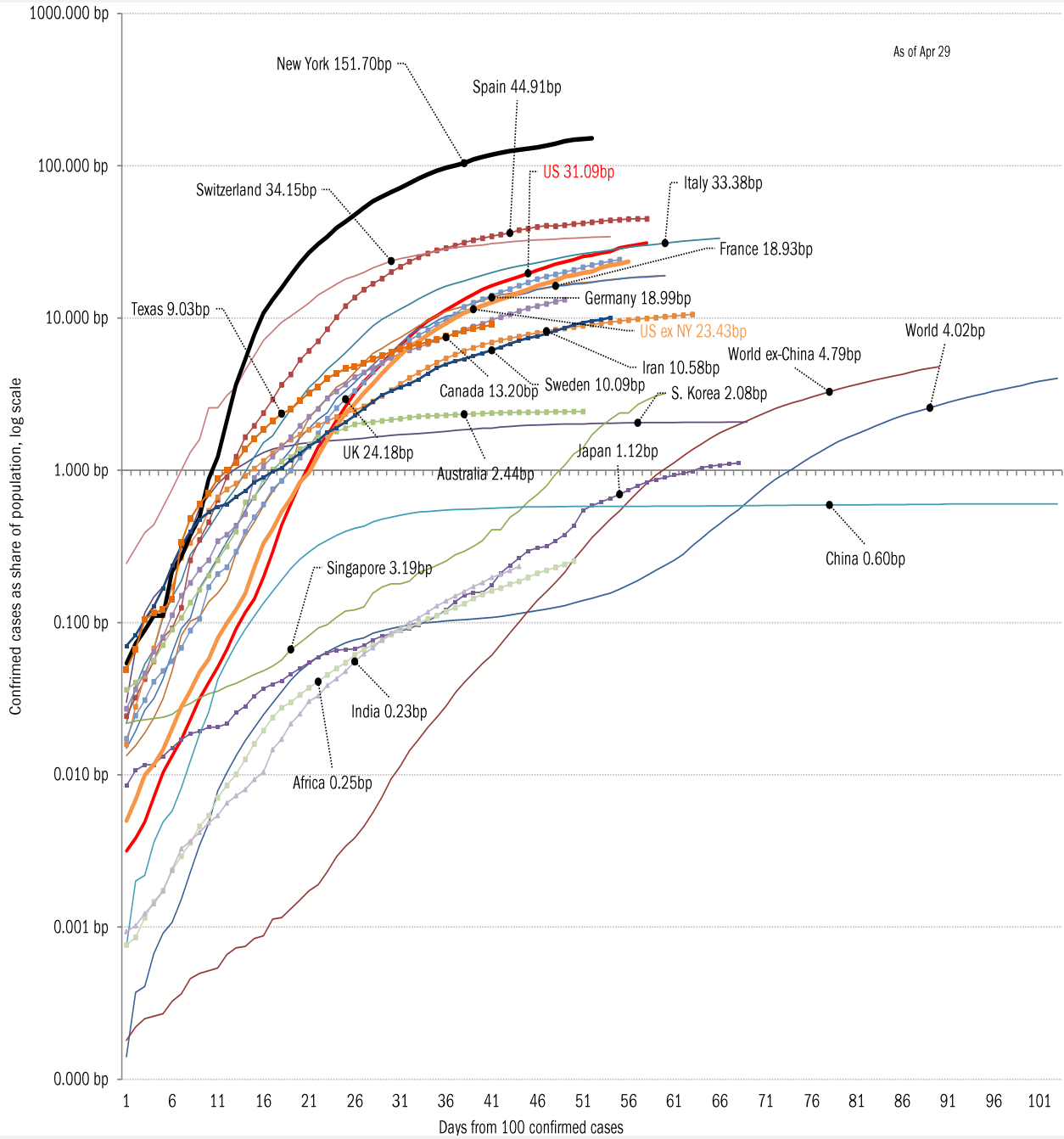
Christine Dolan  
*Just the News*  
April 27, 2020

## Meme of the day



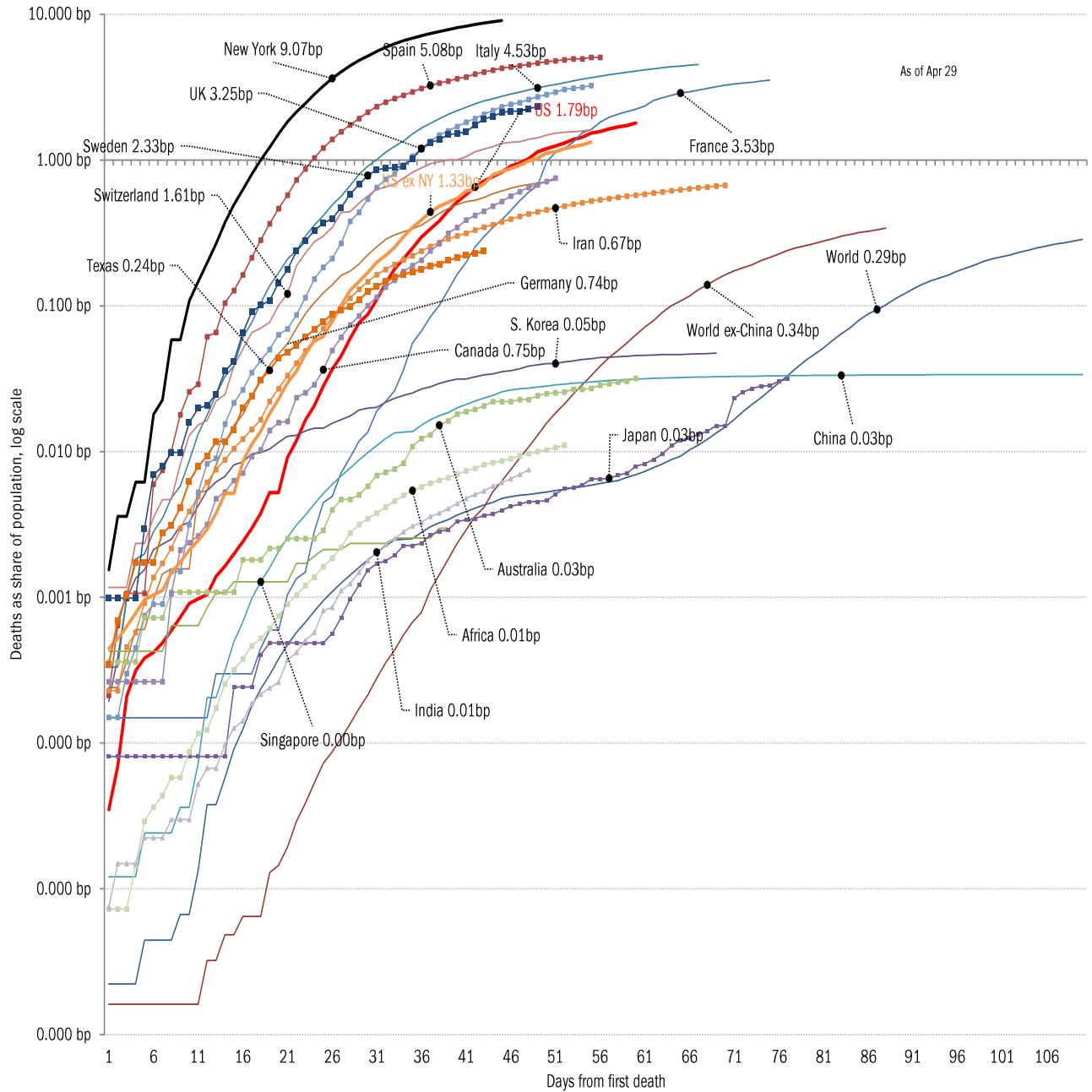
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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*



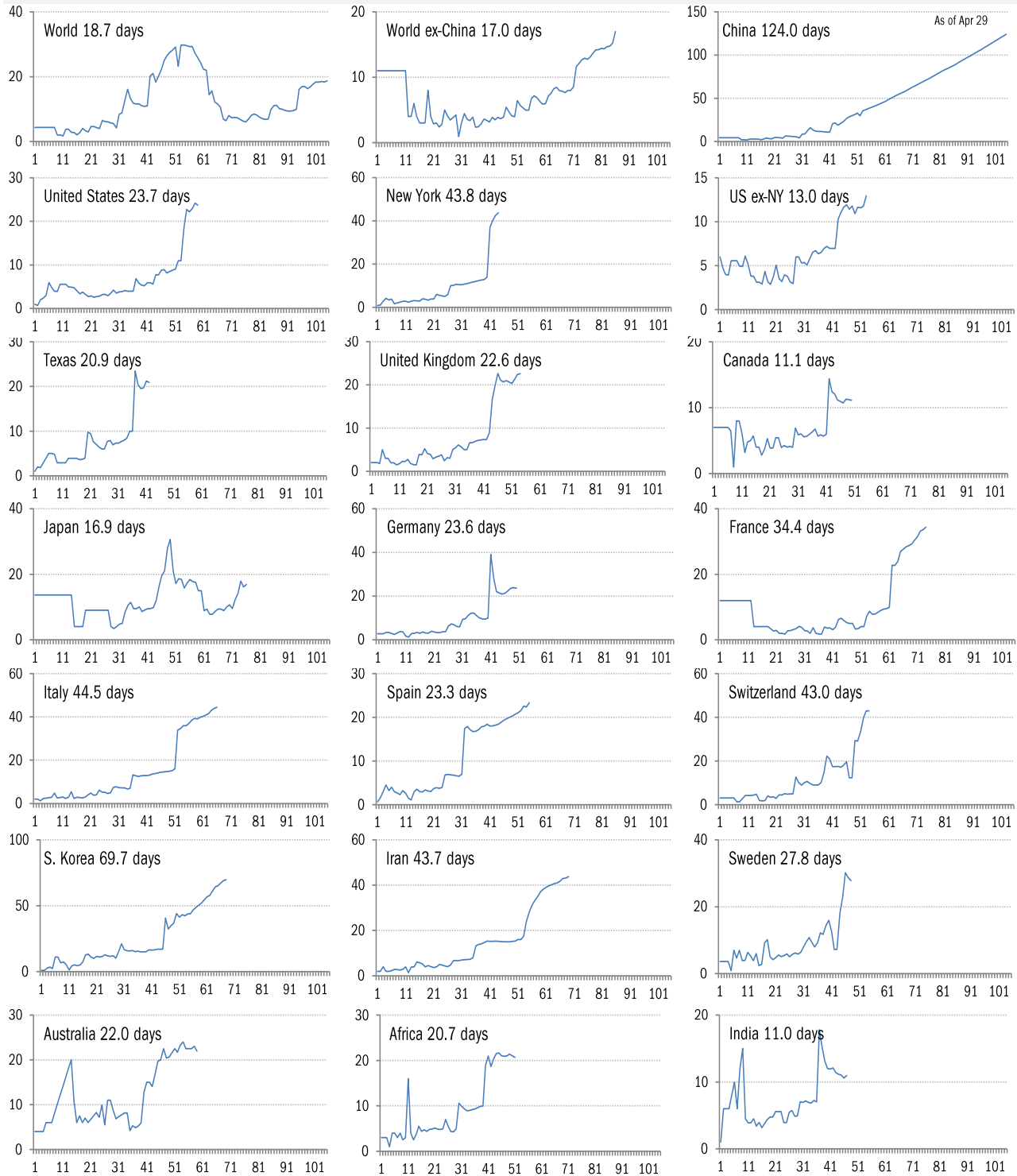
Source: [ECDC](#), TrendMacro calculations

# 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*

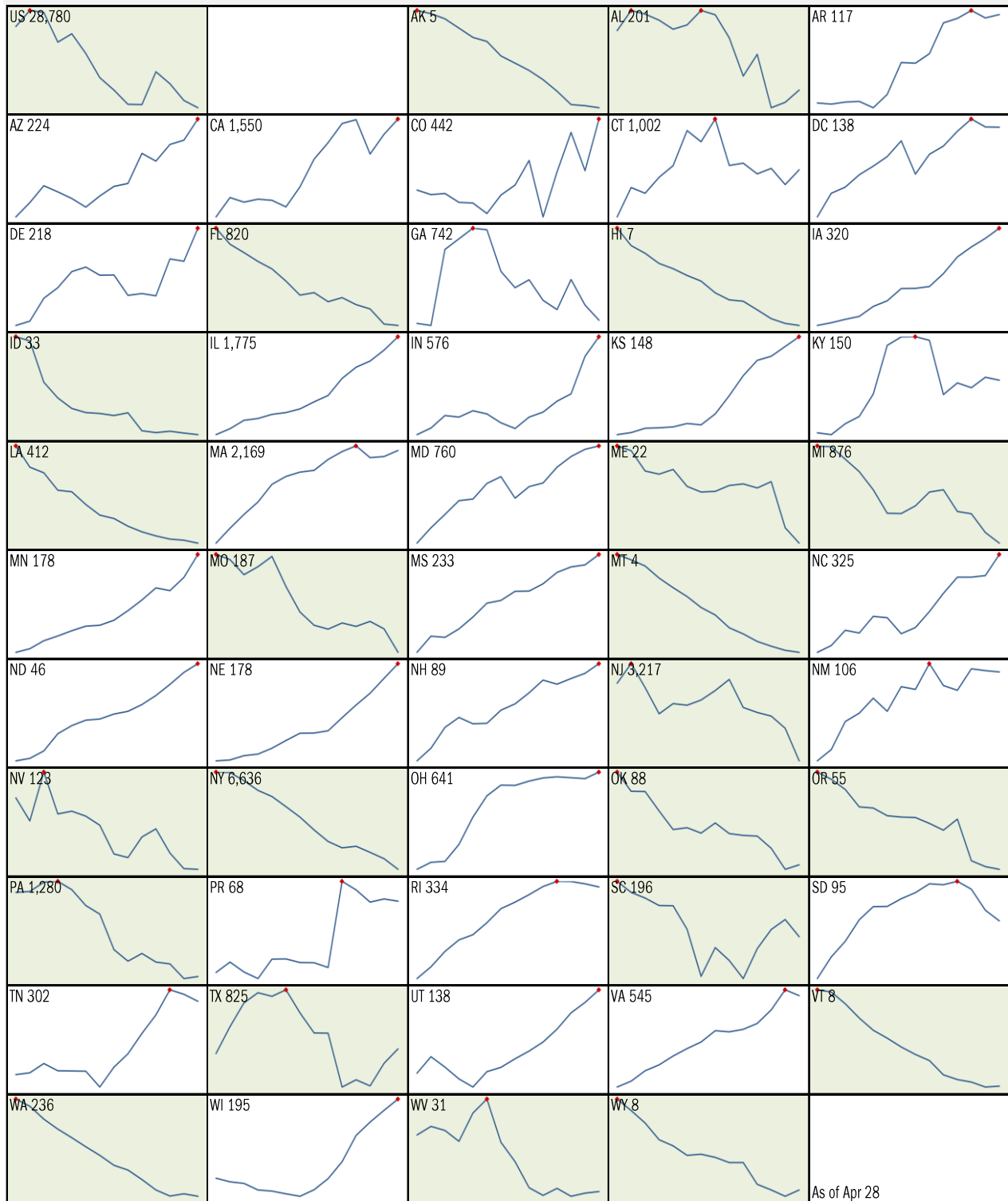
Progress means seeing the line move up and to the right...

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



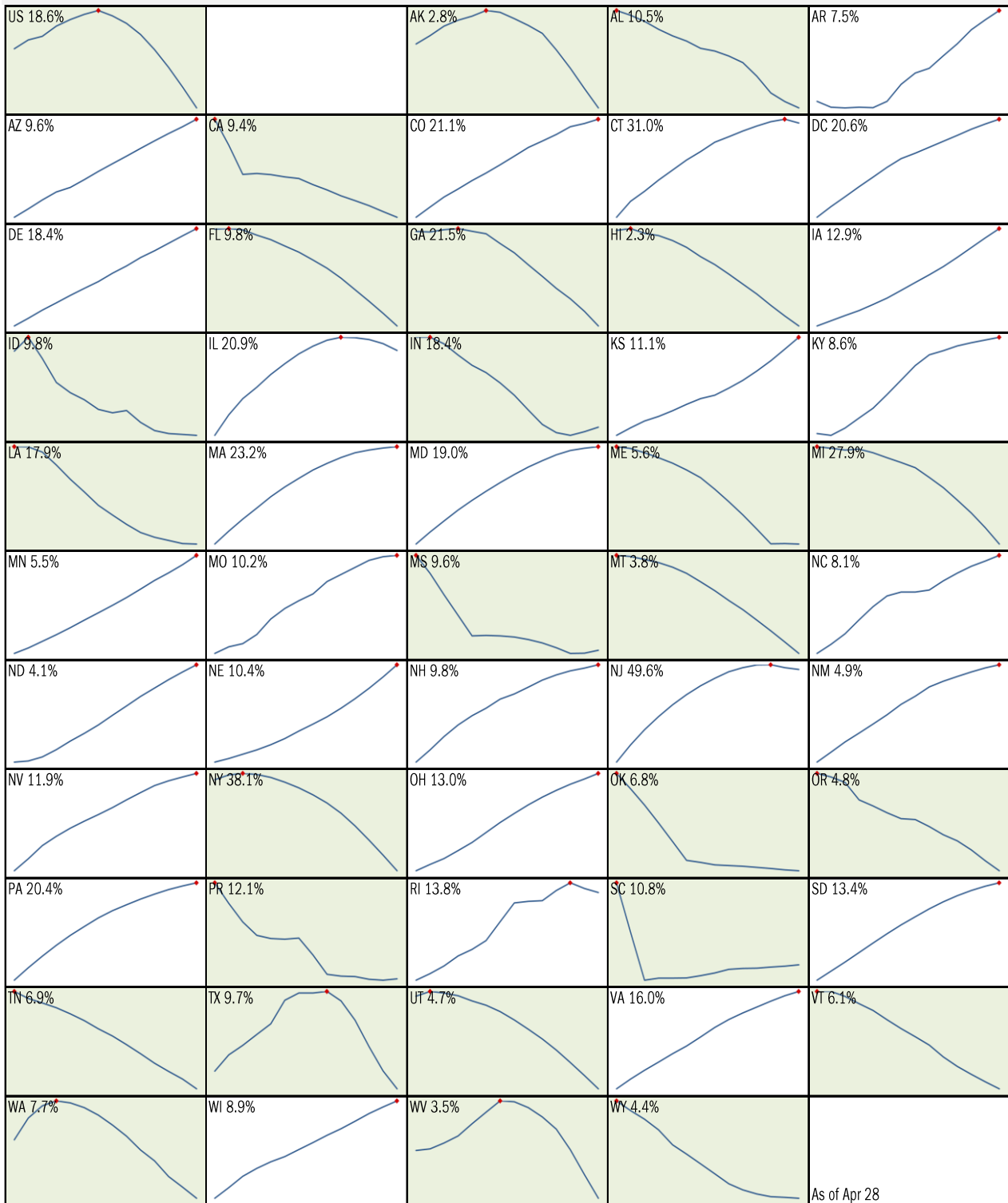
Source: [ECDC](#), TrendMacro calculations

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

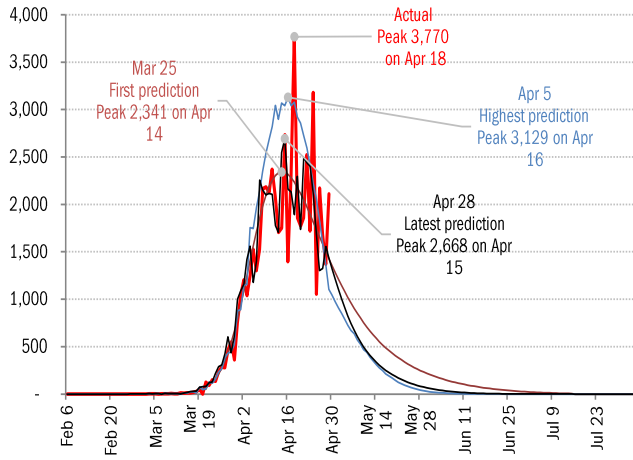


# Reality-checking the models: actuals versus [IHME predictions](#)

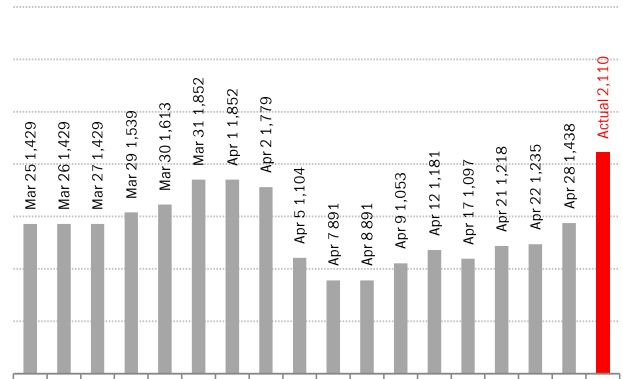
## New daily fatalities

As of Apr 29

Actual versus first, highest and latest model mean predictions

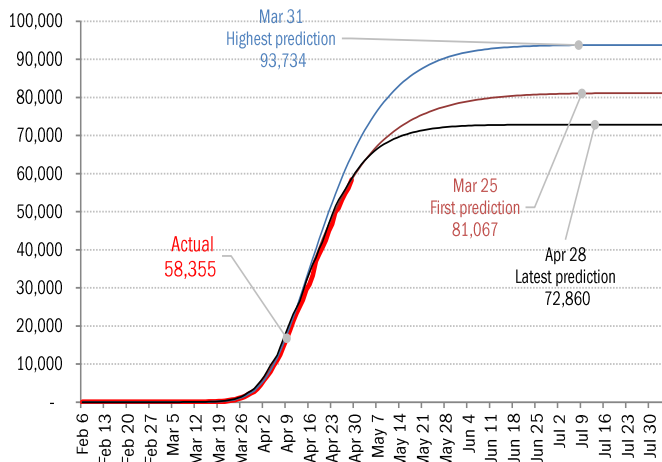


For this day, versus all model mean predictions

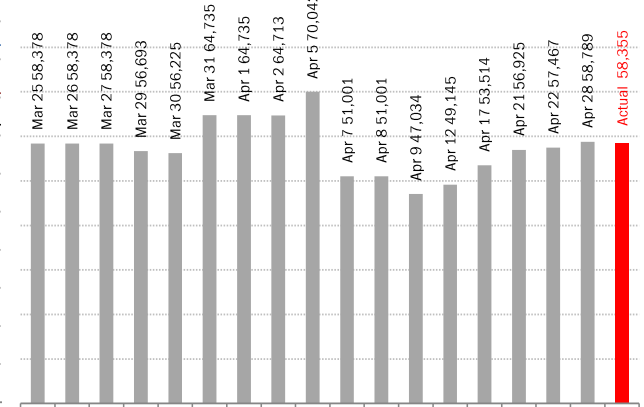


## Cumulative fatalities

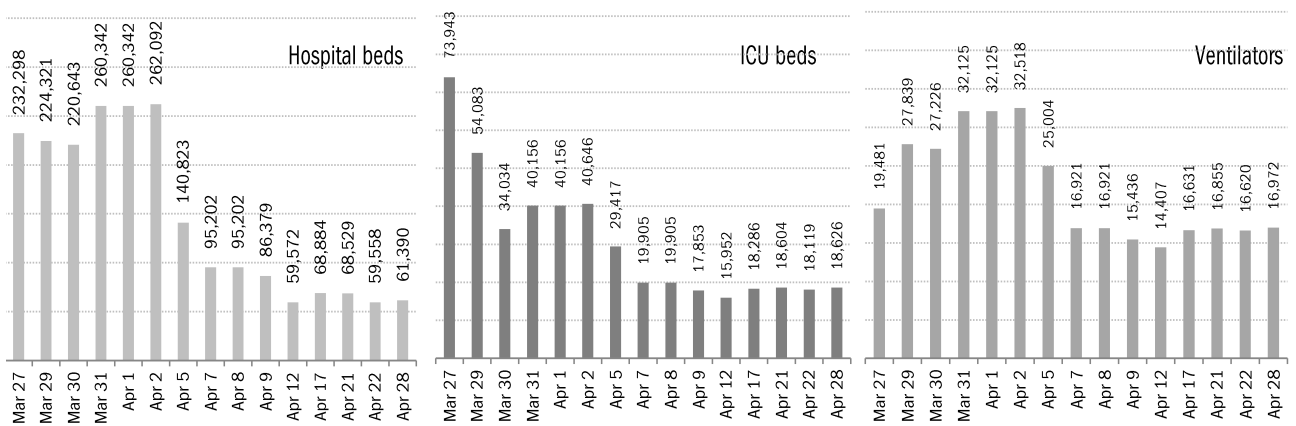
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

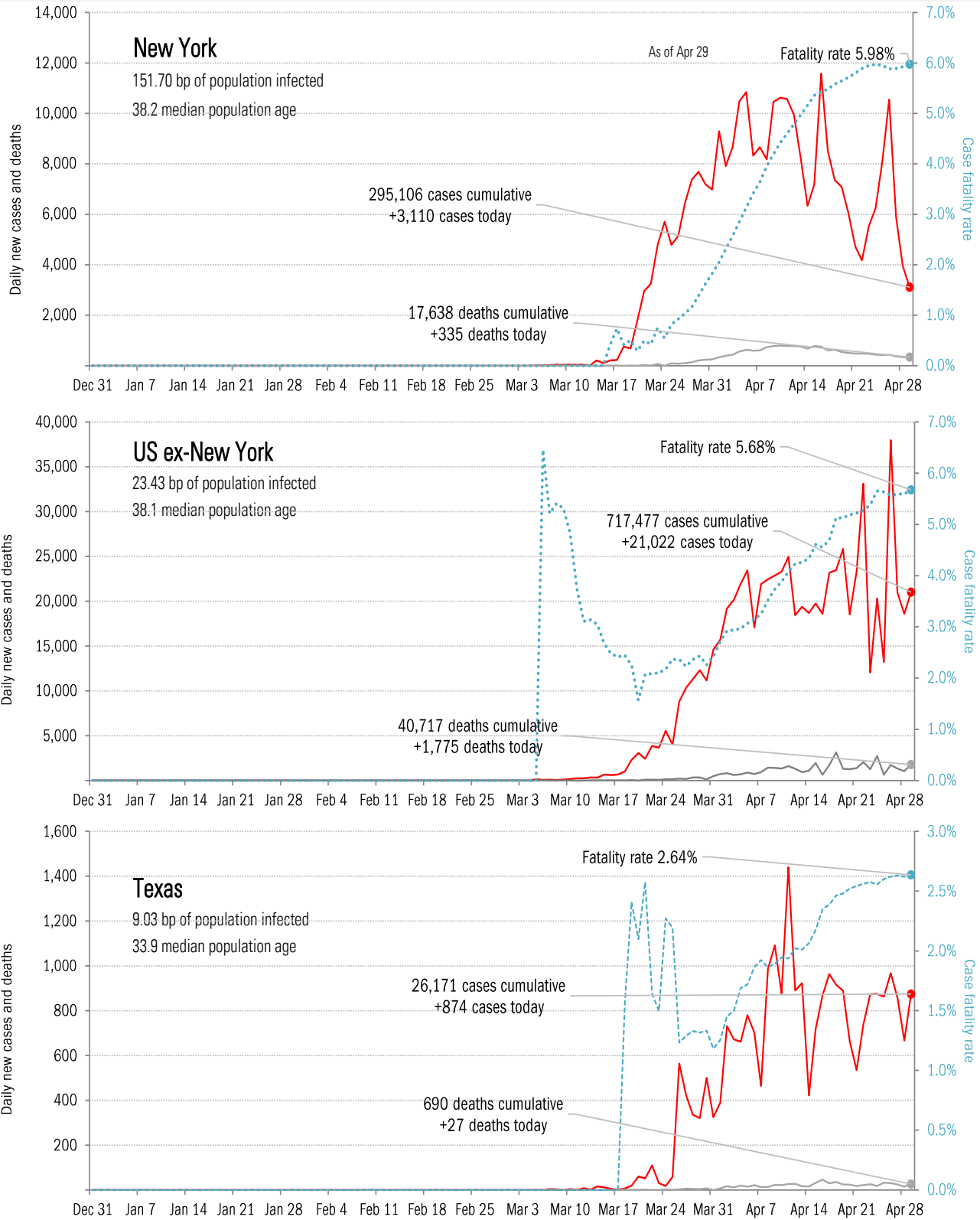


## Healthcare system stress, peak estimated at each model revision



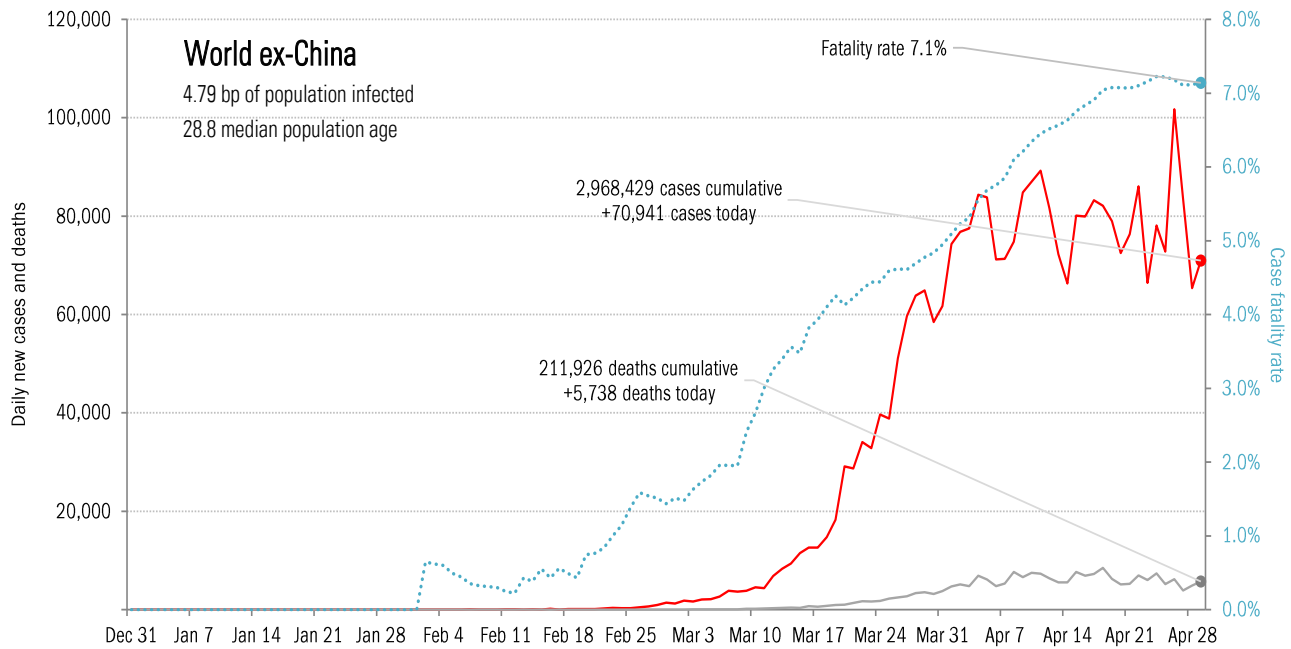
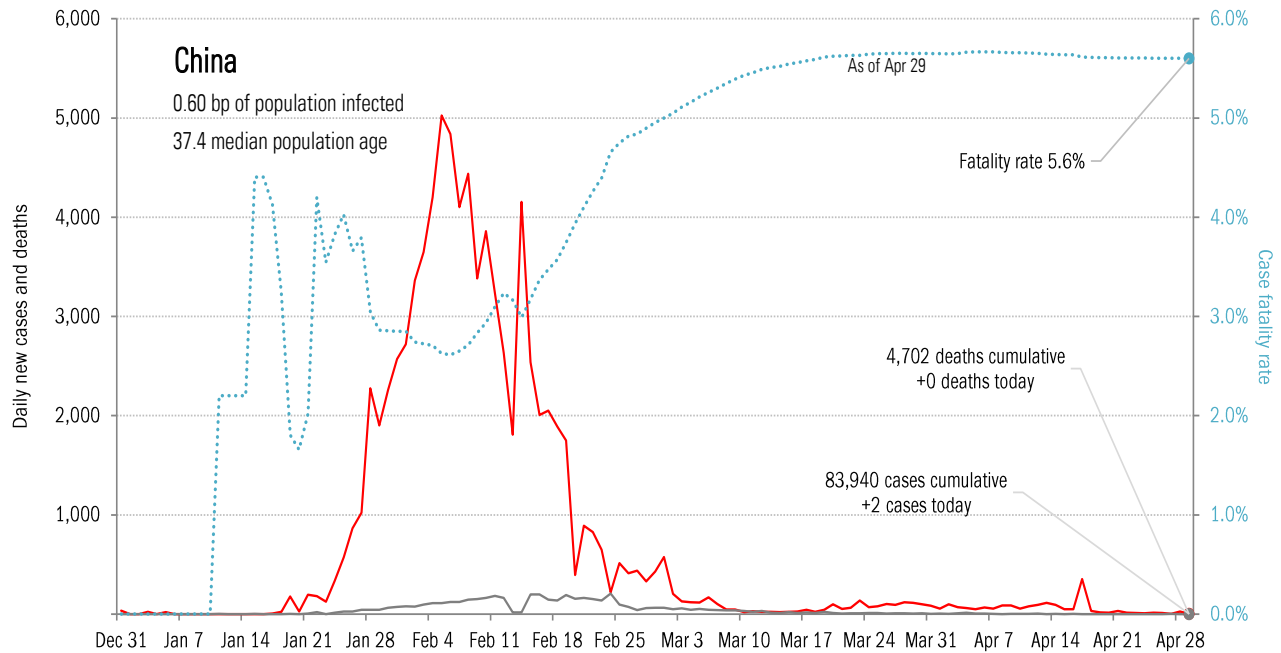
Source: [ECDC](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



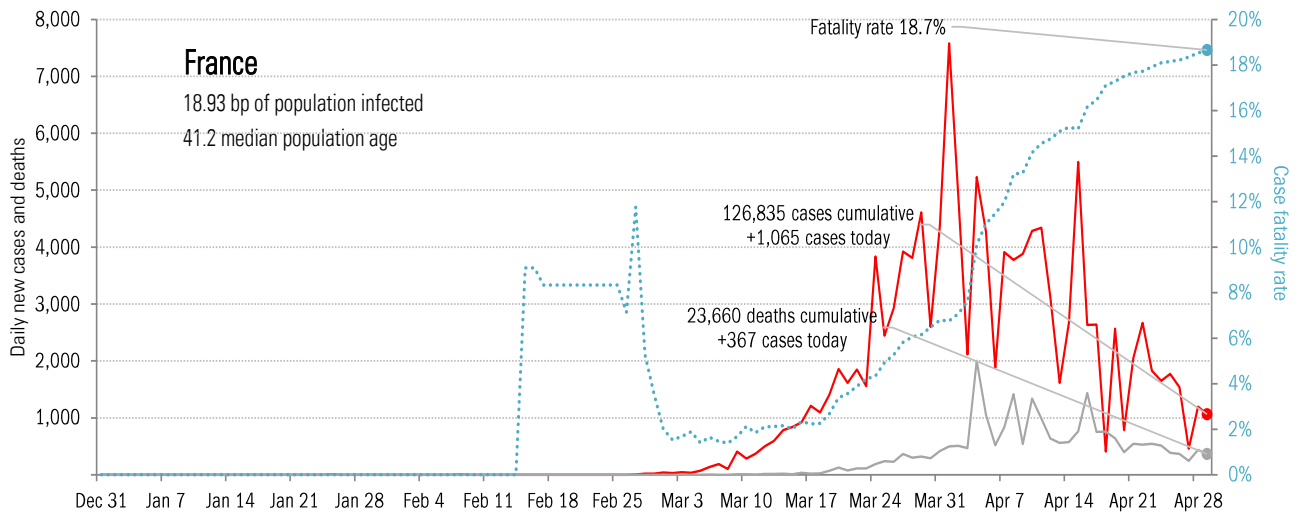
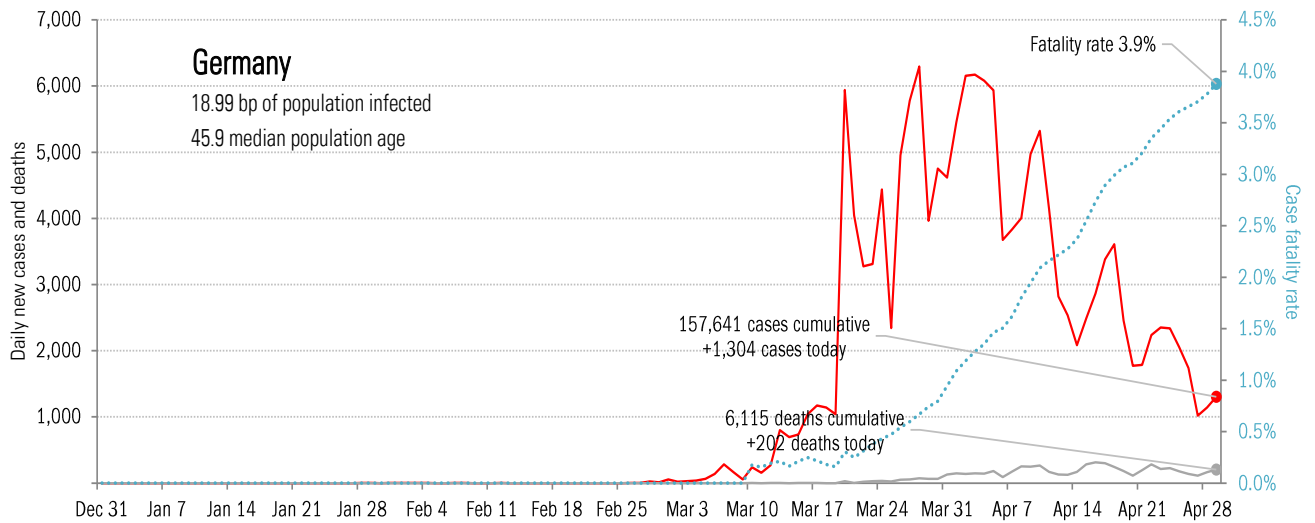
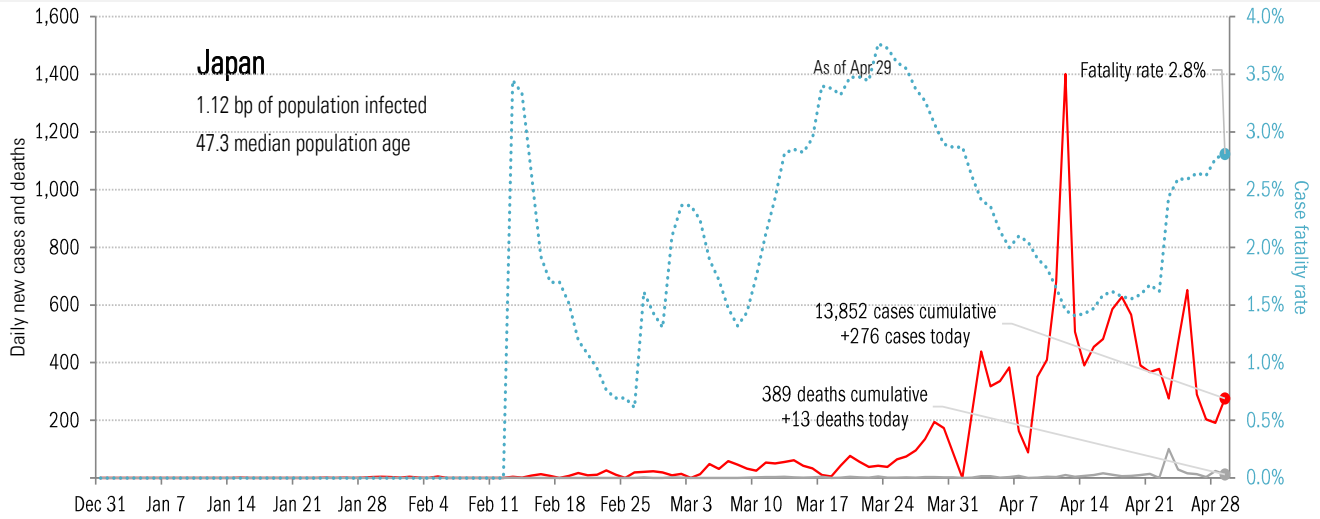
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



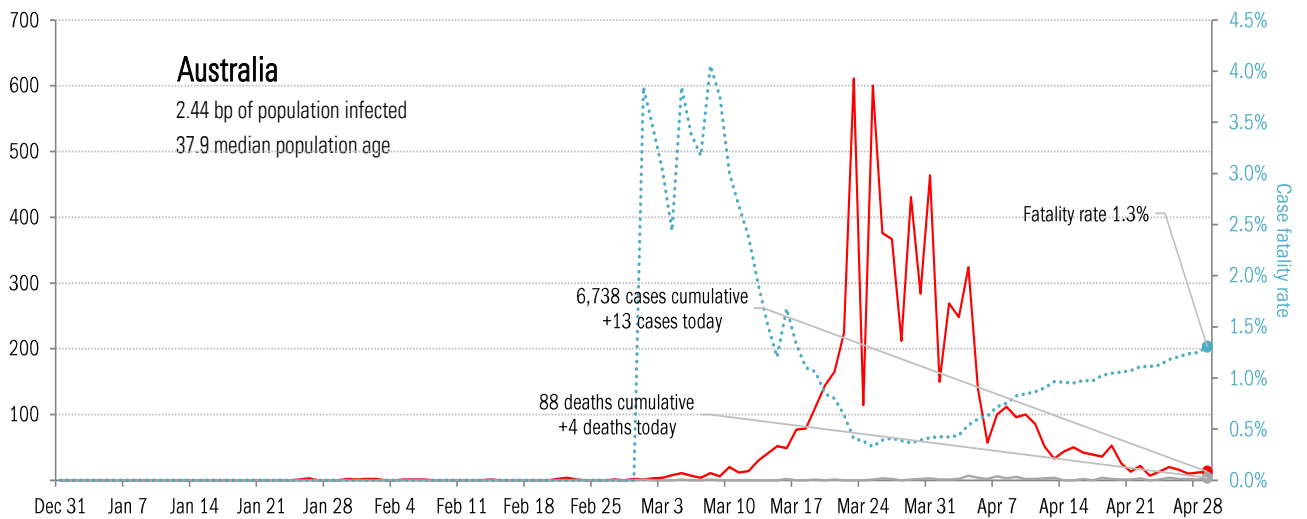
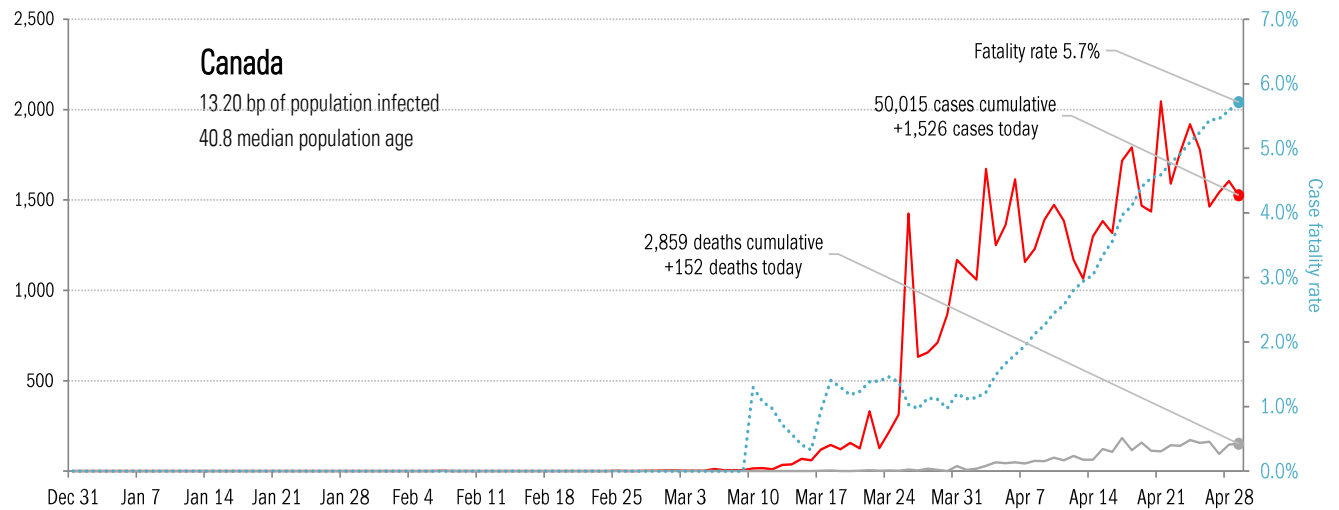
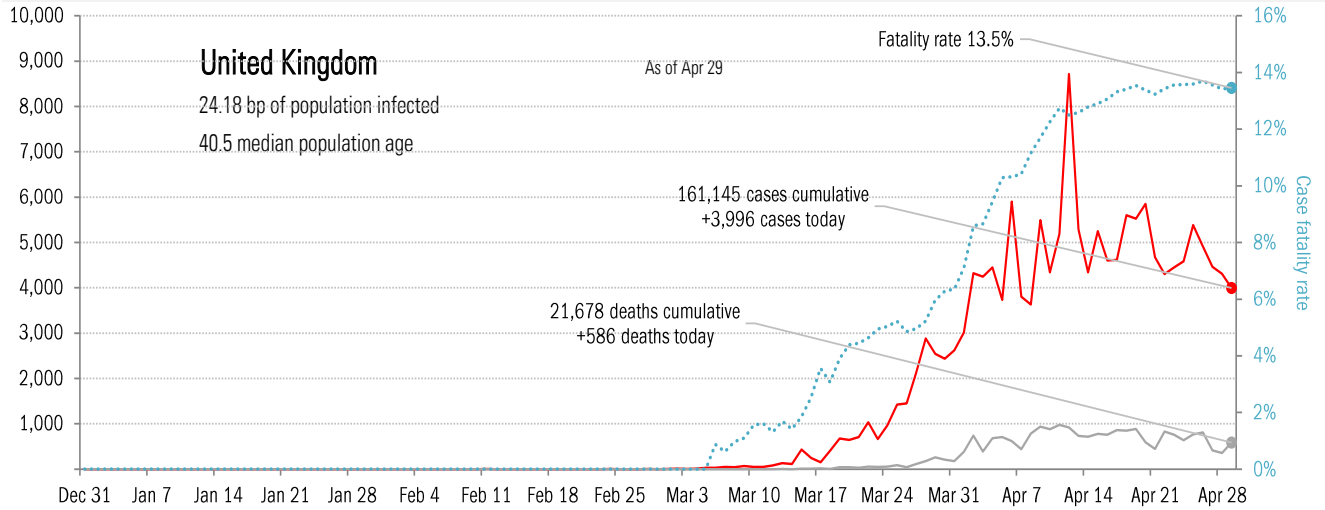
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



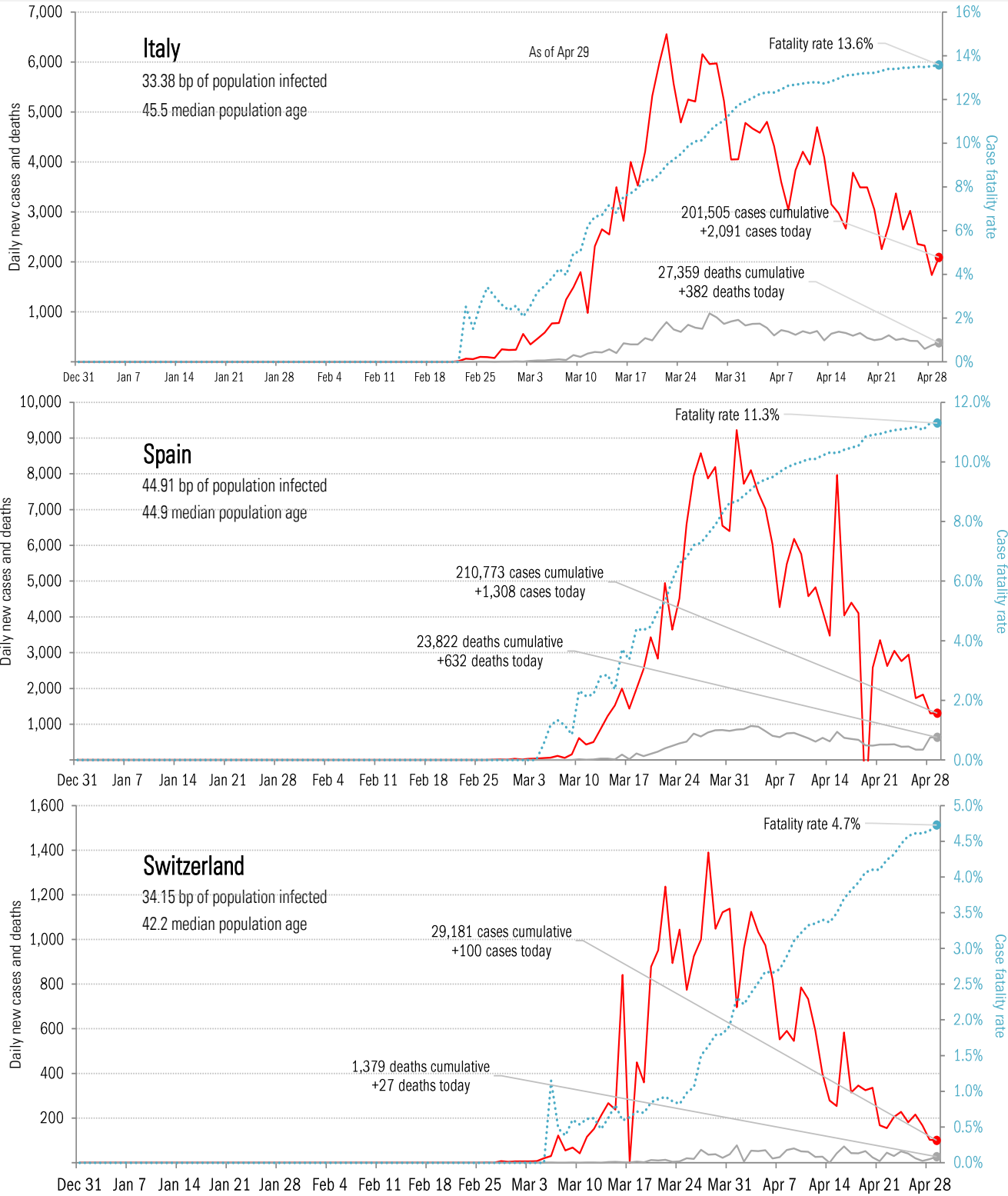
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



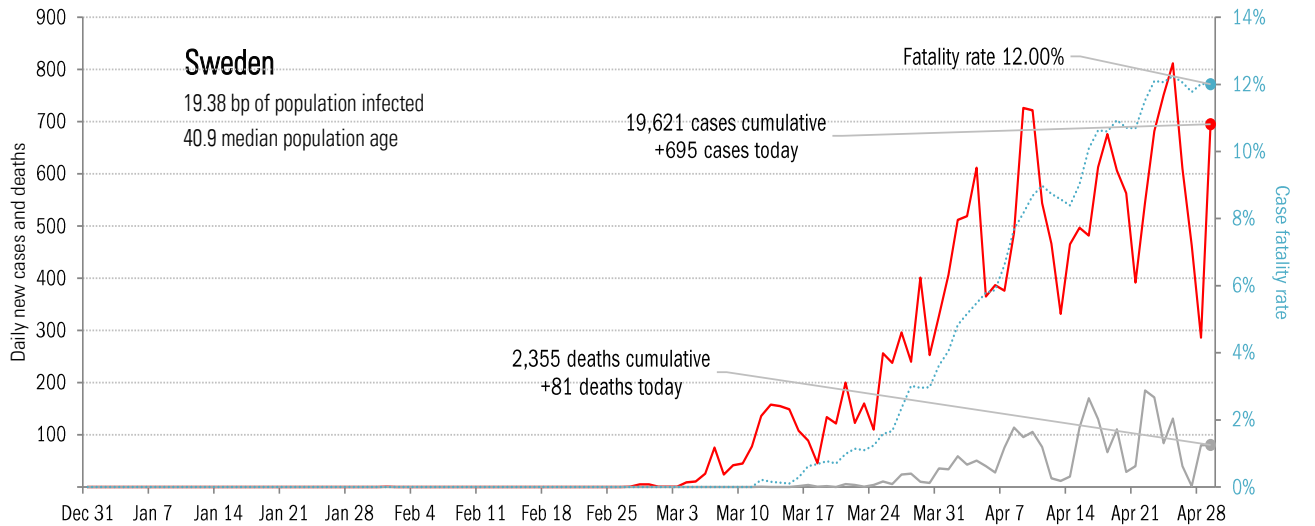
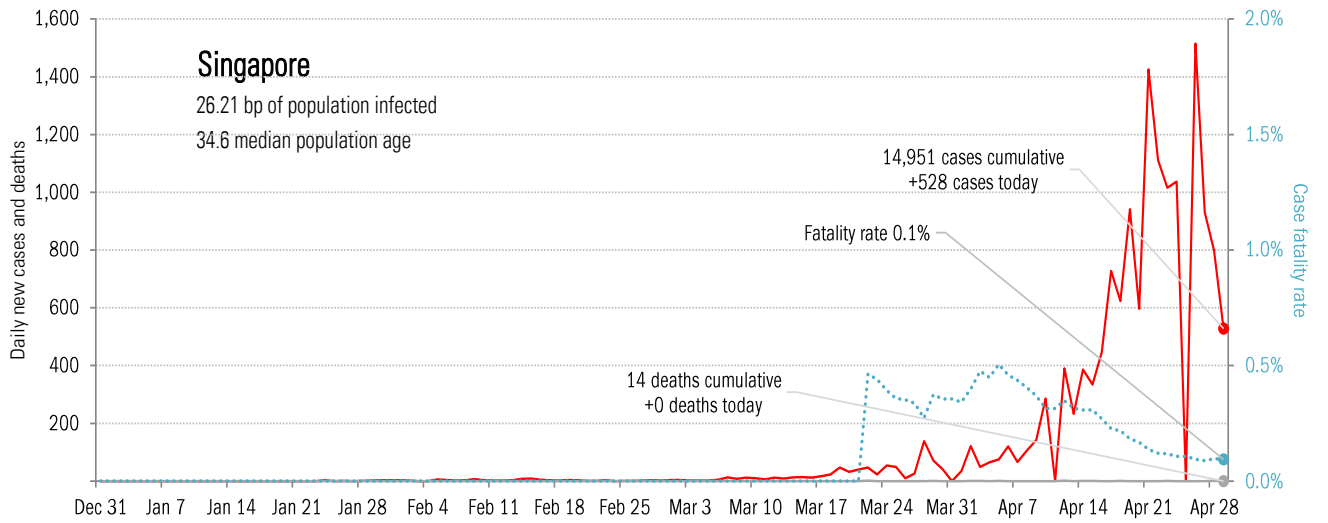
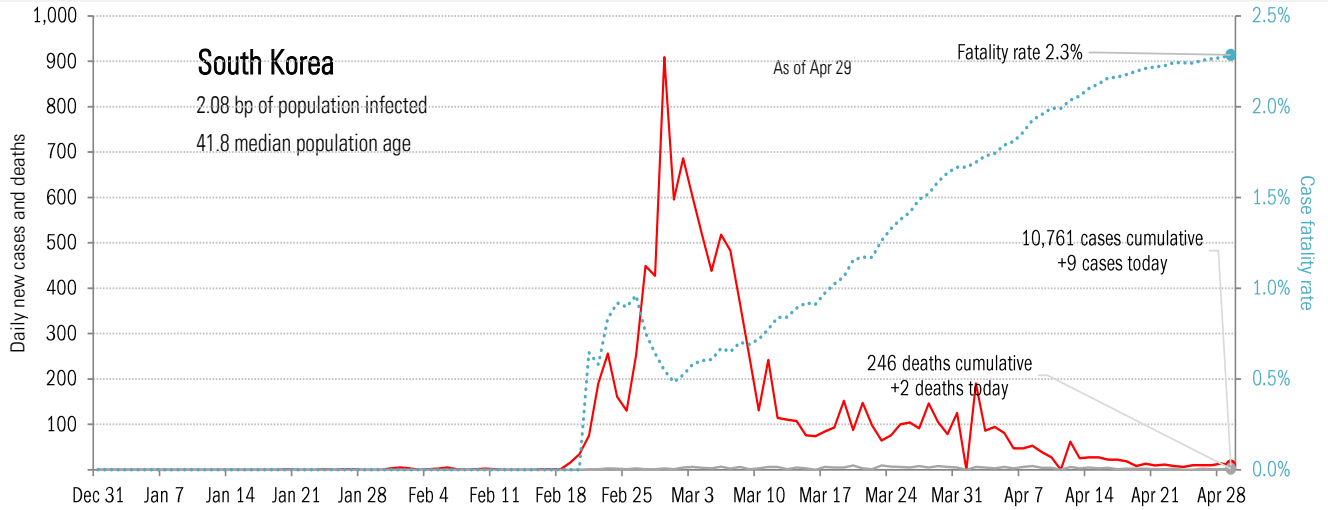
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



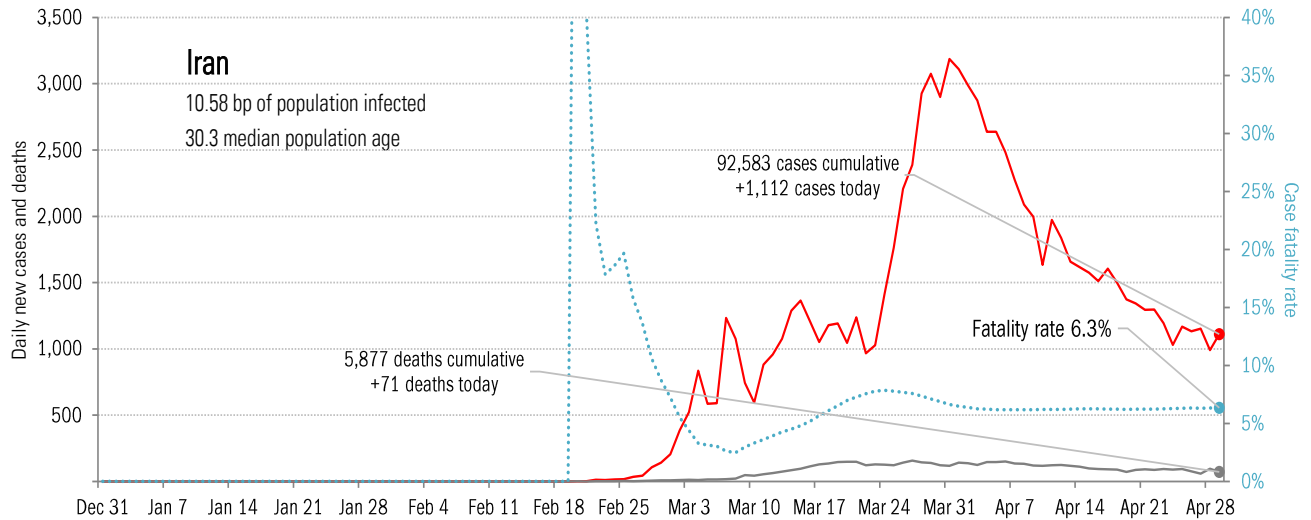
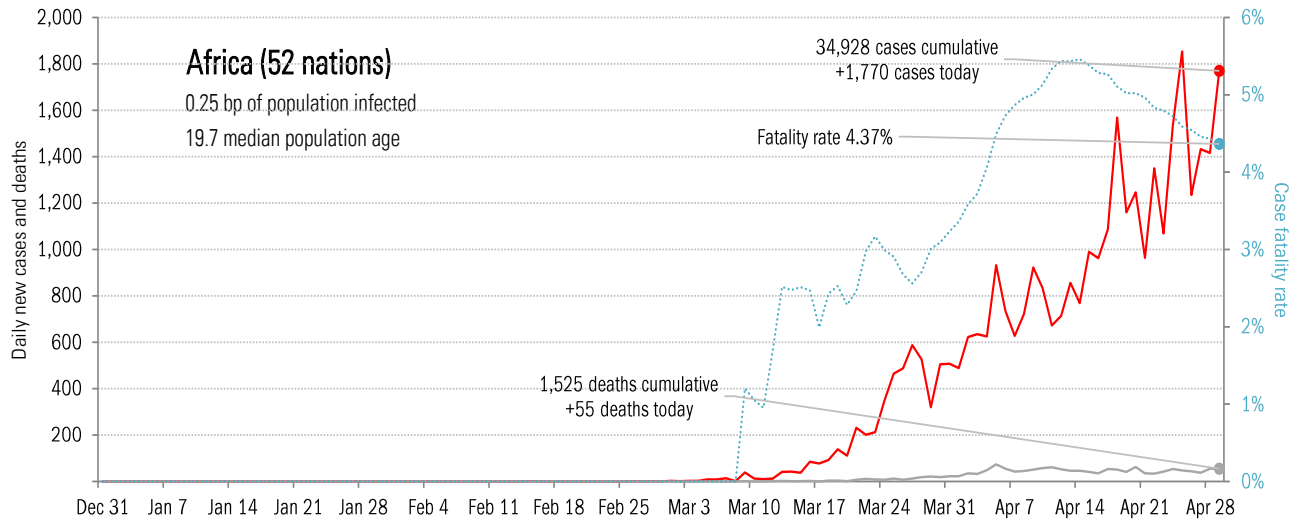
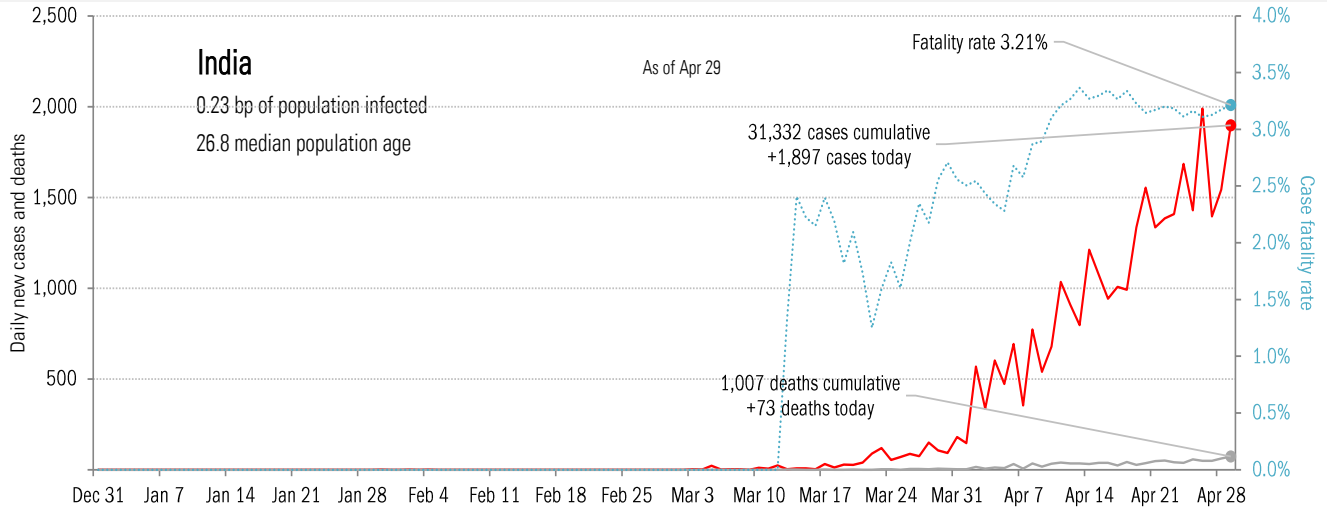
Source: [ECDC](#), TrendMacro calculations

# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

# Impact in the fragile emerging world



Source: [ECDC](#), TrendMacro calculations