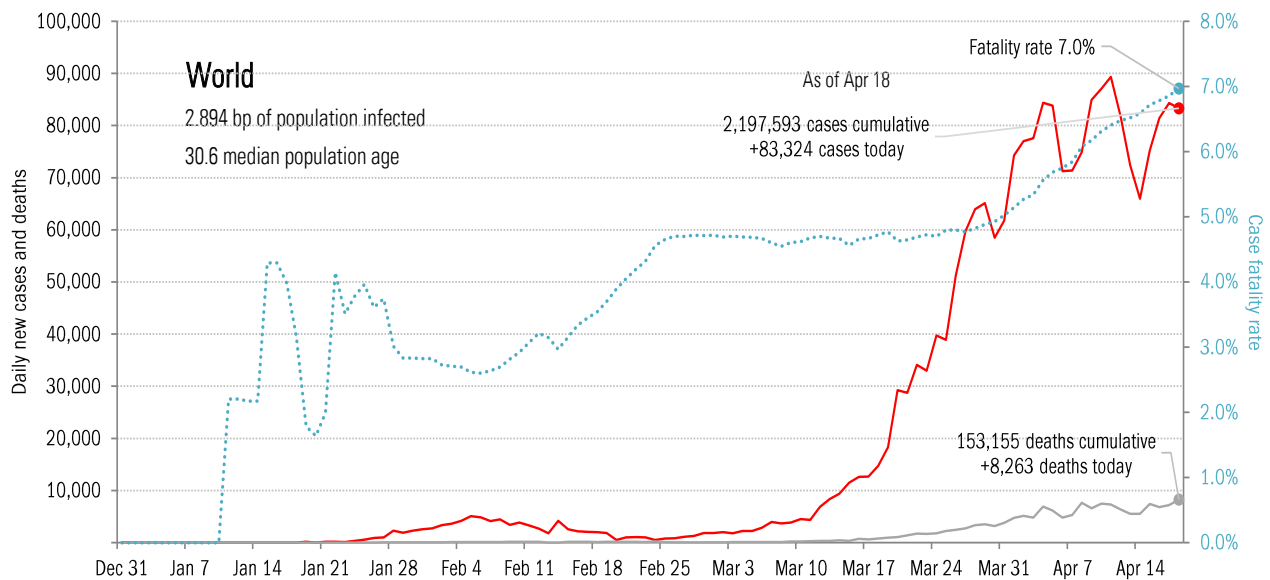
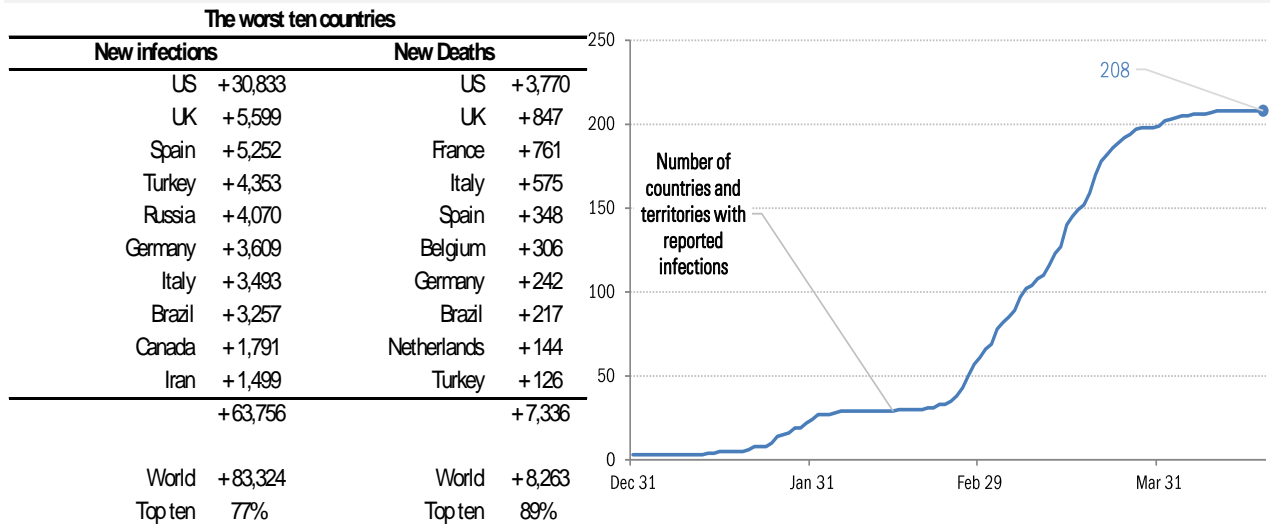


## Data Insights: Covid-2019 Monitor

Saturday, April 18, 2020

### The global scorecard



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

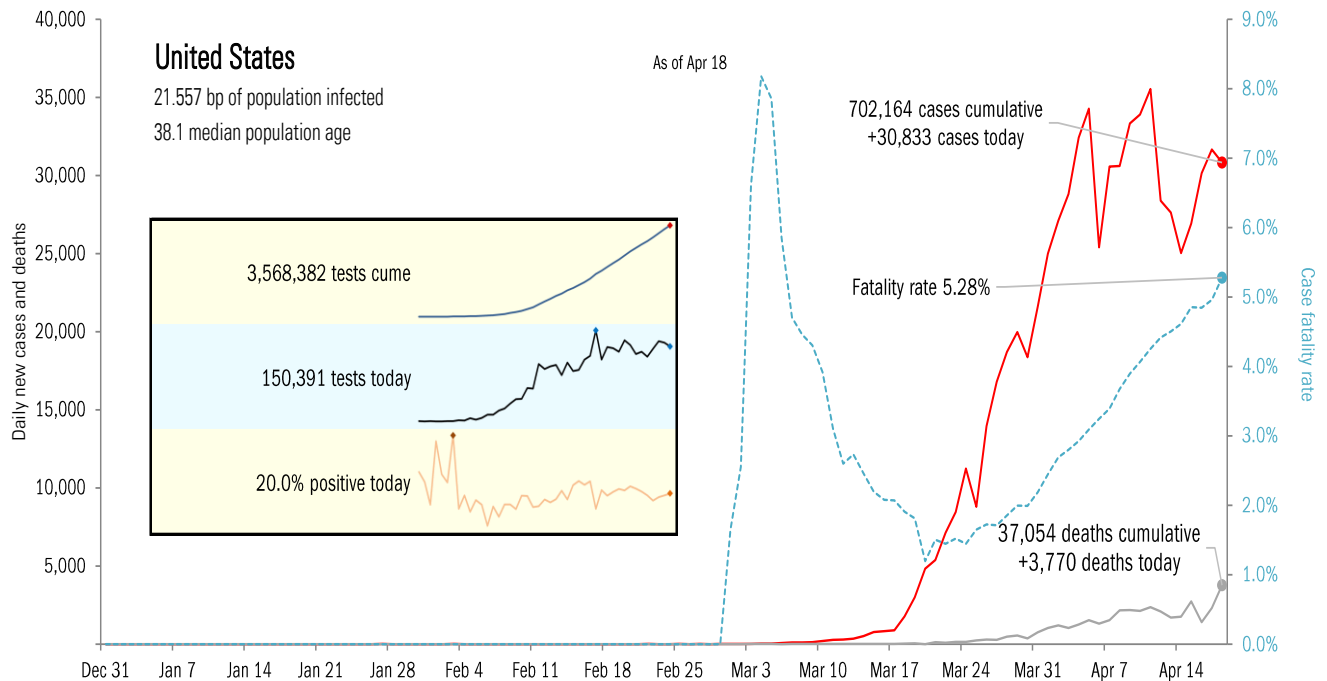
National and state-by-state data do not line up because of different sources

## The ten worst US states

New infections		New Deaths		New in hospital		Cure infections		Cure deaths		Cure in hospital	
NY	+7,358	NY	+630	NY	+1,974	NY	229,642	NY	12,822	NY	52,424
NJ	+3,150	NJ	+322	GA	+216	NJ	78,467	NJ	3,840	FL	3,665
MA	+2,221	MA	+159	FL	+205	MA	34,402	MI	2,227	GA	3,324
IL	+1,842	MI	+134	KY	+164	MI	30,023	MA	1,404	MD	2,612
PA	+1,706	CA	+95	MD	+161	PA	29,441	LA	1,213	OH	2,424
GA	+1,525	CT	+65	VA	+107	IL	27,575	IL	1,134	MA	2,340
CA	+1,346	GA	+63	OH	+93	CA	27,528	CT	1,036	CO	1,693
FL	+1,222	IL	+62	CO	+57	FL	24,119	CA	985	VA	1,221
CT	+925	LA	+57	MS	+54	LA	23,118	PA	756	WI	1,153
TX	+916	FL	+53	MN	+43	TX	17,371	FL	699	KY	971
<b>+22,211</b>		<b>+1,640</b>		<b>+3,074</b>		<b>521,686</b>		<b>26,116</b>		<b>71,827</b>	
All states	+31,260	All states	+2,069	All states	+3,250	All states	694,520	All states	32,365	All states	77,955
Top ten	71%	Top ten	79%	Top ten	95%	Top ten	75%	Top ten	81%	Top ten	92%

## Five most improved US states

Fewer daily infections		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NY	-1,147	IL	-62	NY	-2,275	TX	+513
NJ	-1,137	NJ	-40	MD	-59	ID	+390
MI	-444	CT	-38	CO	-23	TN	+231
CA	-412	MI	-38	NM	-19	VA	+159
CT	-204	CO	-11	OK	-18	KY	+94



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

## Recommended reading

### [New Data Suggest the Coronavirus Isn't as Deadly as We Thought](#)

Andrew Bogan  
*Wall Street Journal*  
April 17, 2020

### [Parachute use to prevent death and major trauma related to gravitational challenge: systematic review of randomised controlled trials](#)

Gordon C S Smith and Jill P Pell  
*BMJ*  
December 18, 2003

### [Governor Abbott Issues Executive Order Establishing Strike Force To Open Texas](#)

*State of Texas*  
April 17, 2020

### [Public Health Principles for a Phased Reopening During COVID-19: Guidance for Governors](#)

Caitlin Riverse et al.  
*Johns Hopkins Center for Health Security*  
April 15, 2020

### [When Should The Shutdowns End?](#)

John Hinderaker  
*Powerline Blog*  
April 17, 2020

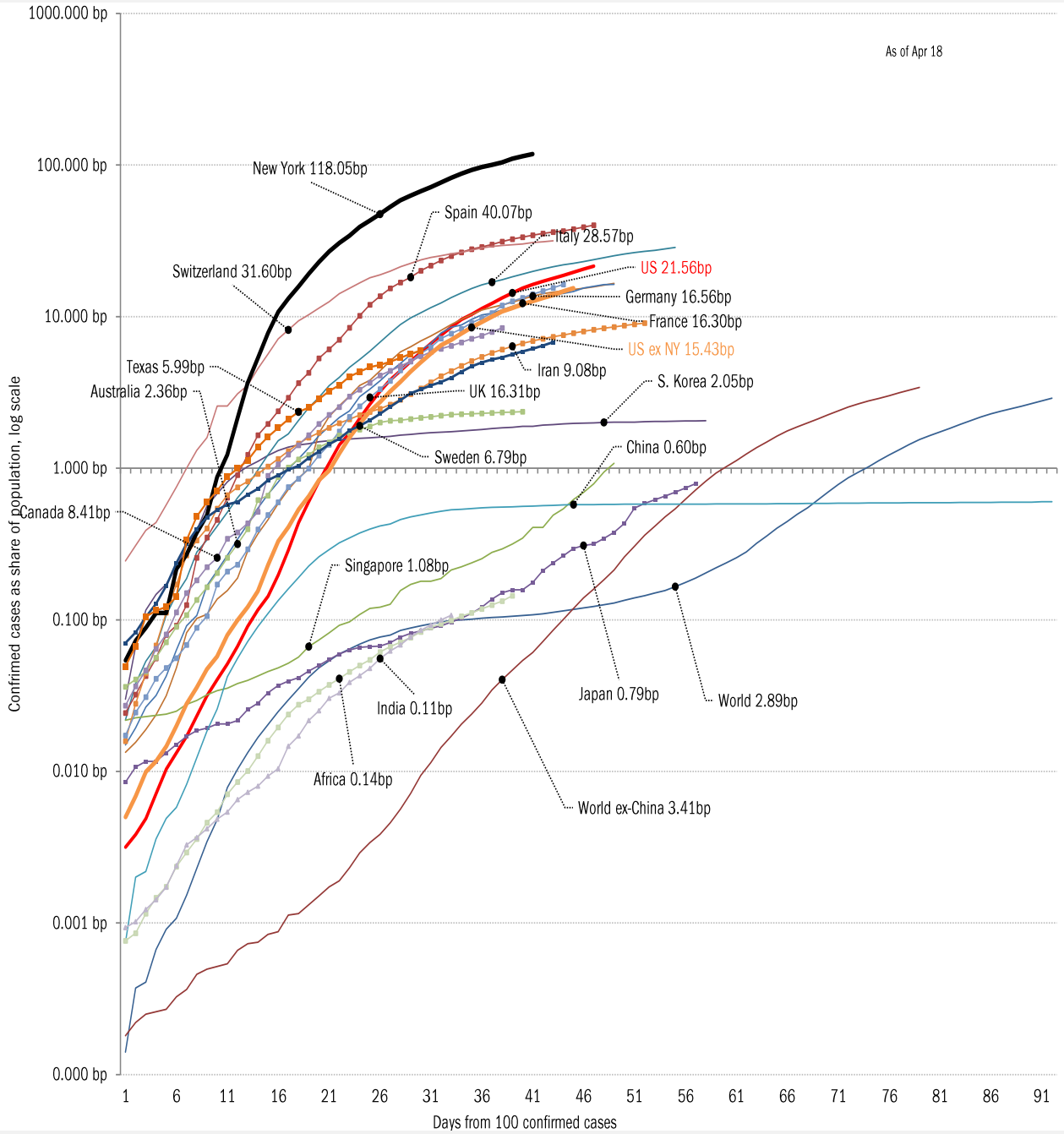
## Meme of the day

When bartenders find new jobs  
after all the bars close down



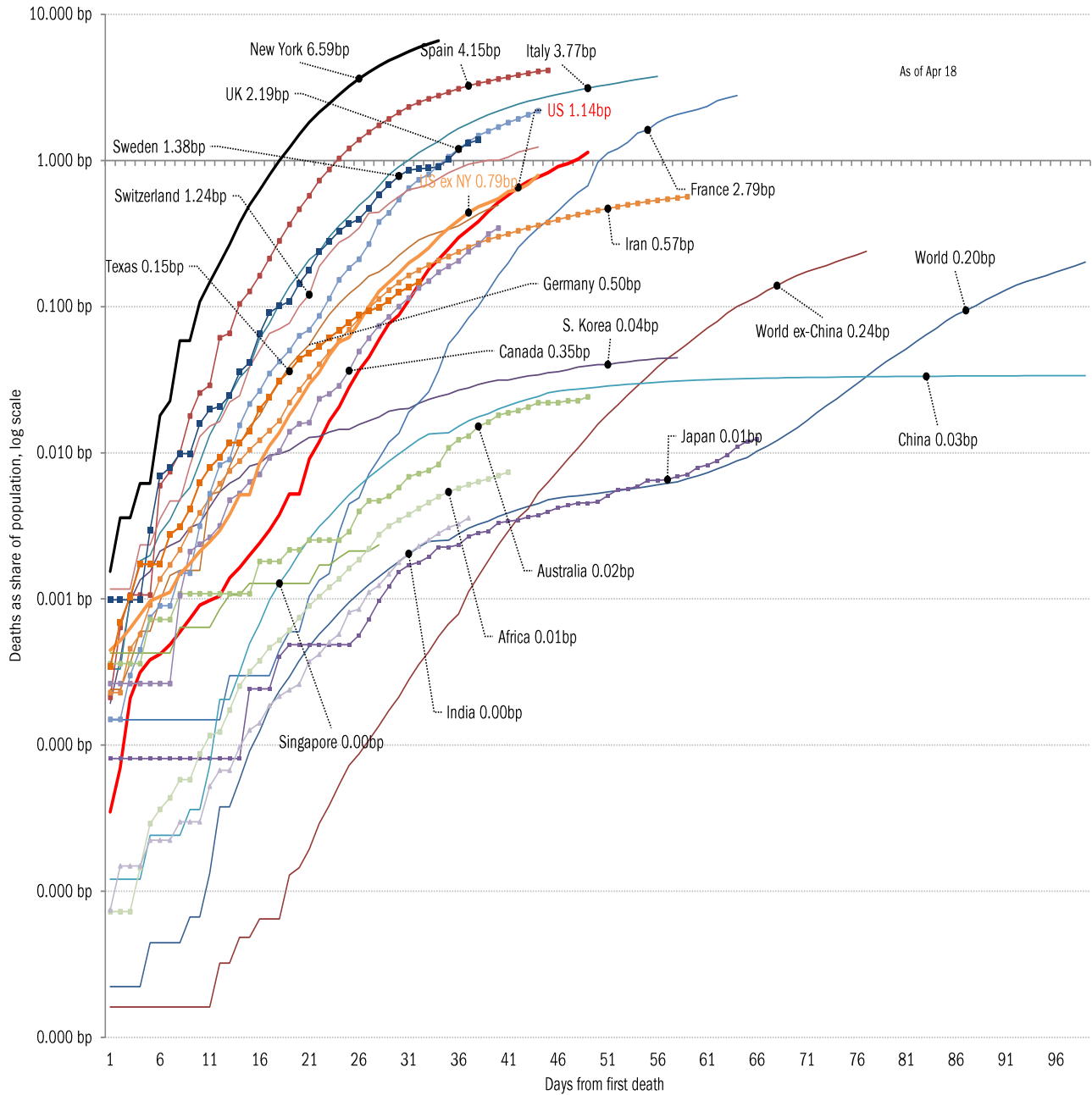
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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*



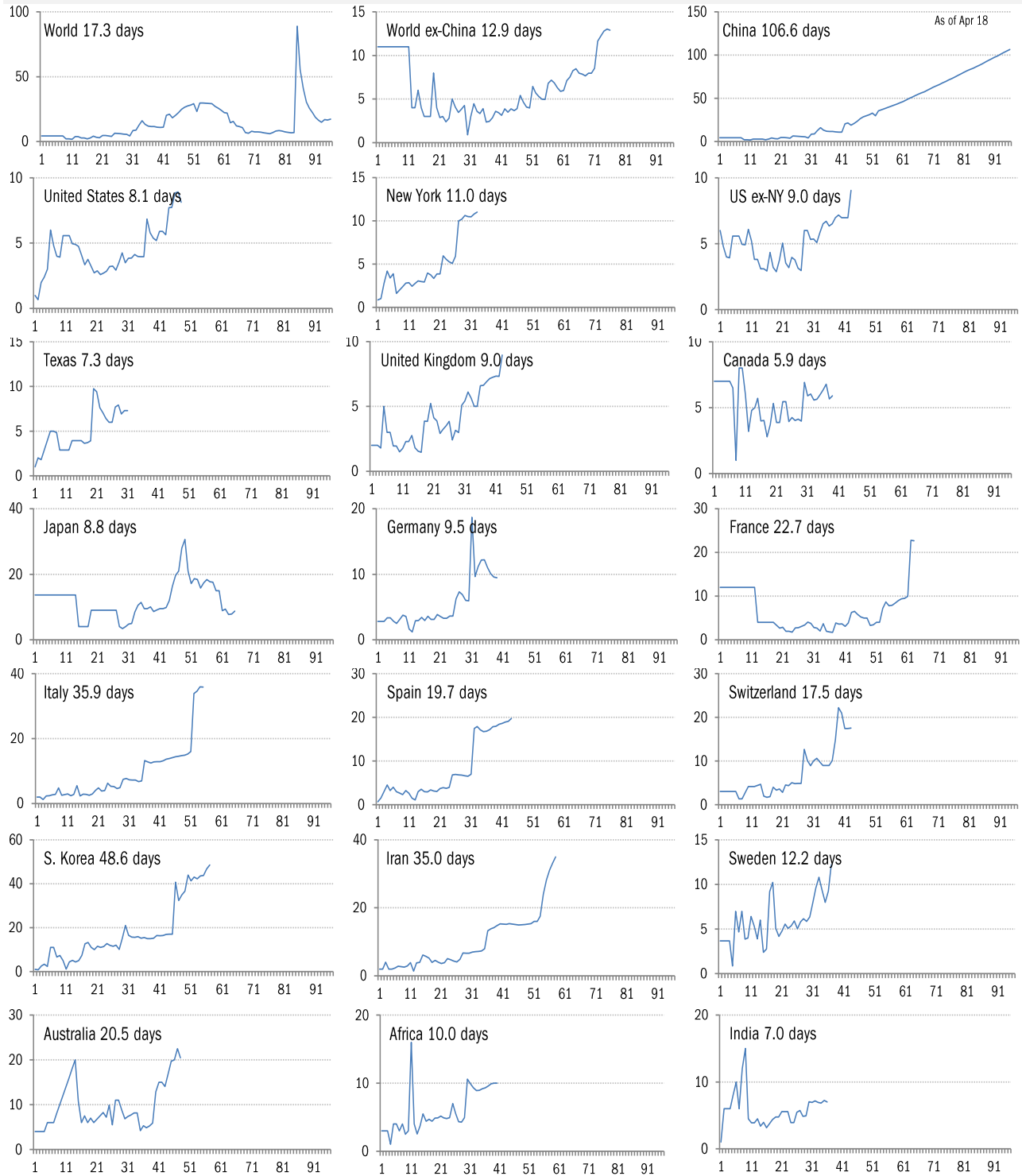
Source: [ECDC](#), TrendMacro calculations

# 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. . .

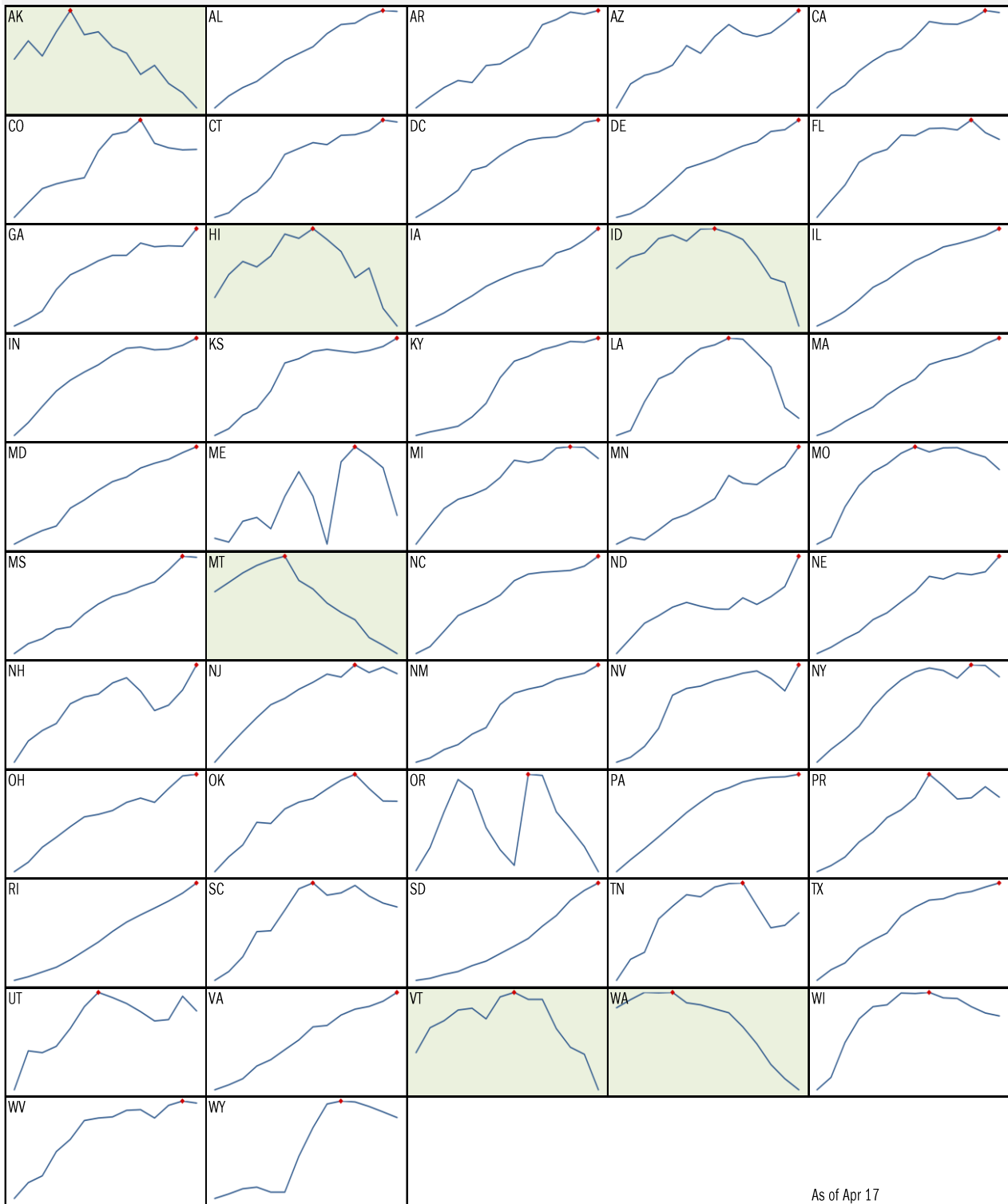
*Extrapolated between actual doubling points. The most anomalous extrapolations are smoothed.*



Source: [ECDC](#), TrendMacro calculations

Requirement to [Open Up America Again](#):

■ 14-day "downward trajectory" in new cases *14-day moving average, last 14 days*



As of Apr 17

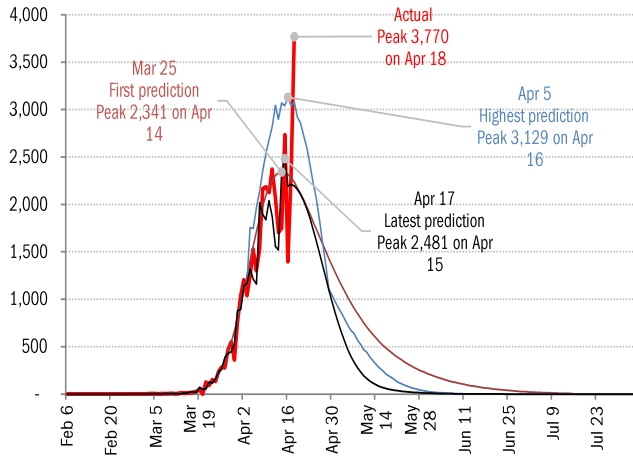
Source: [Covid Tracking Project](#) TrendMacro calculations

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

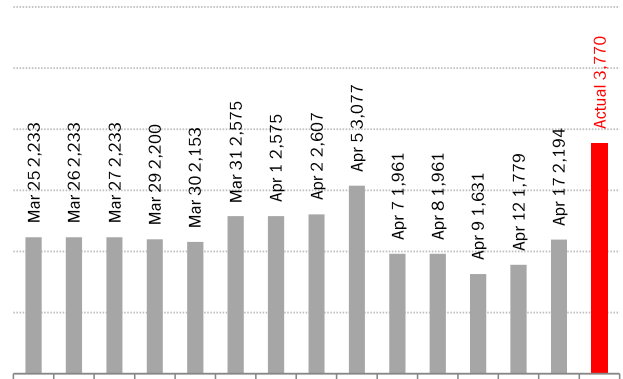
## New daily fatalities

As of Apr 18

Actual versus first, highest and latest model mean predictions

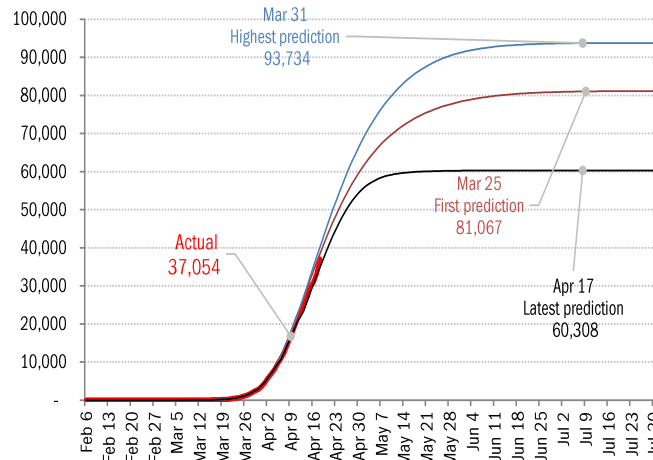


For this day, versus all model mean predictions

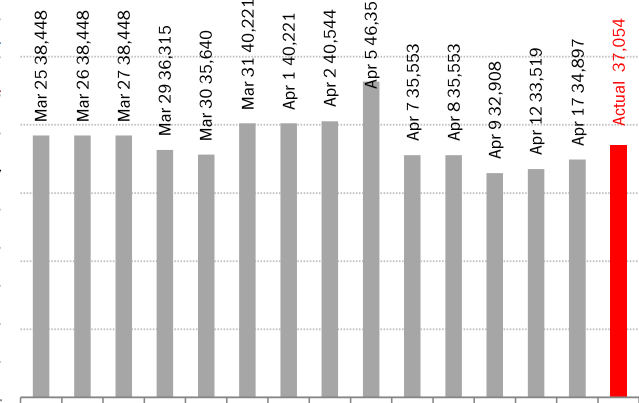


## Cumulative fatalities

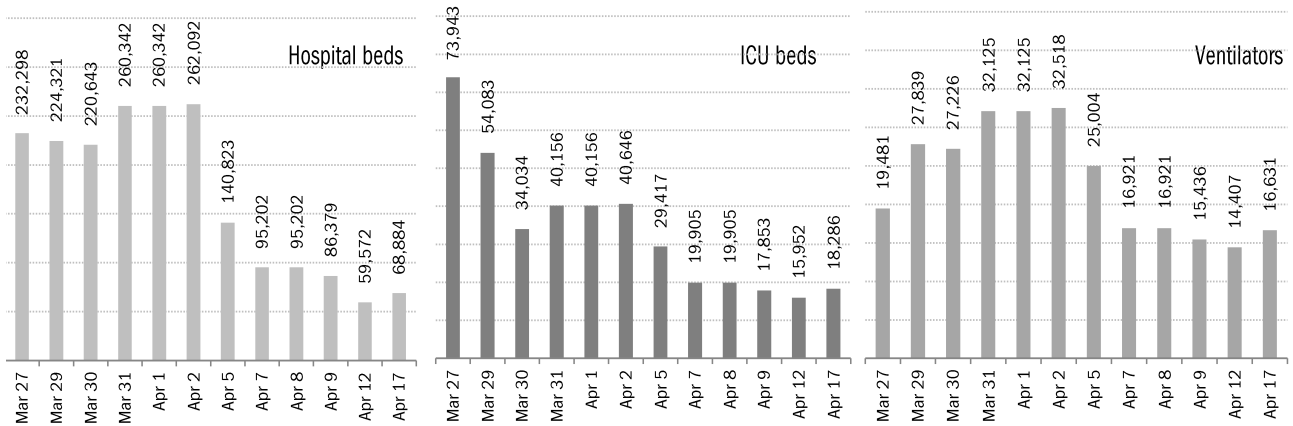
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions



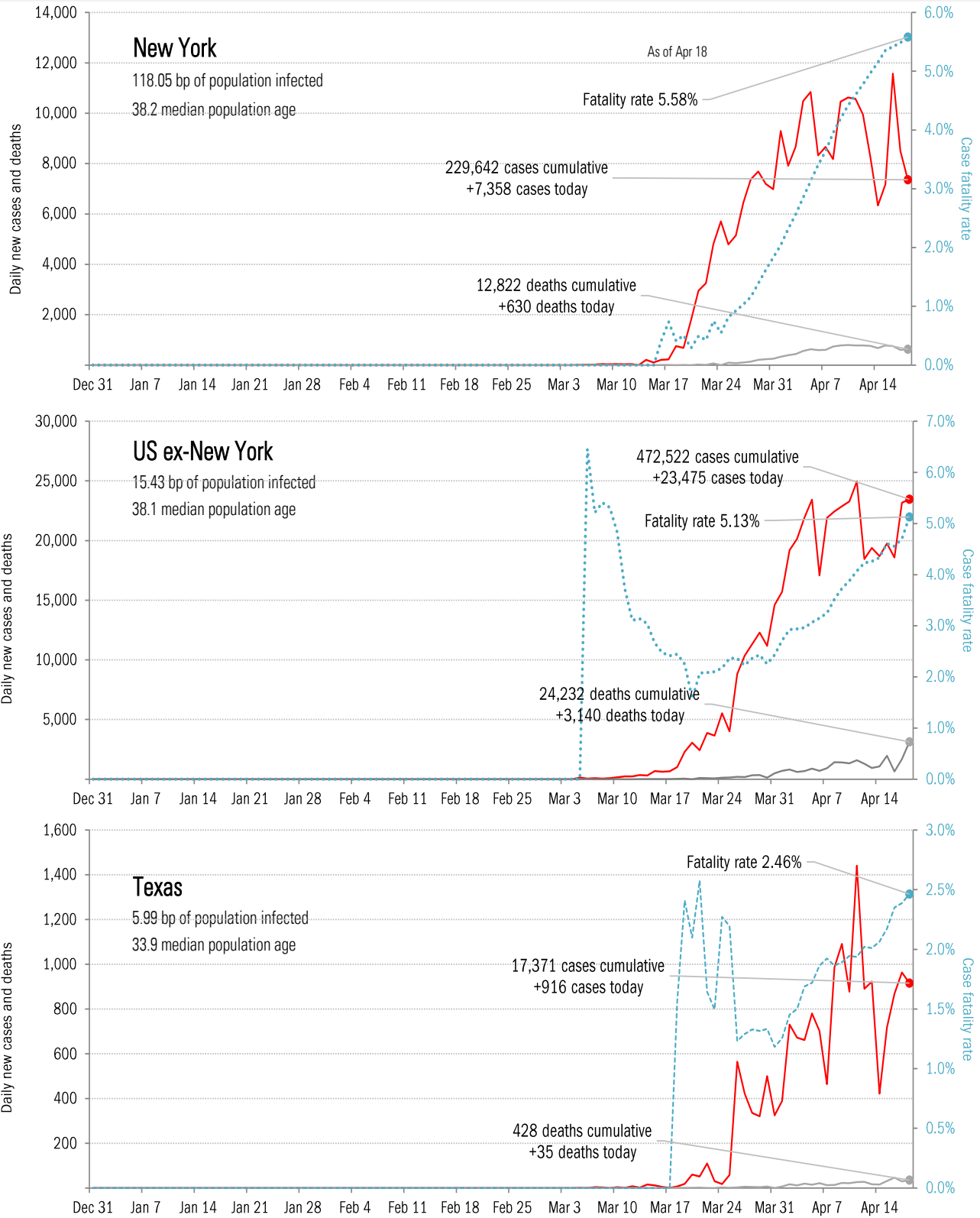
## Healthcare system stress, peak estimated at each model revision



Source: [ECDC](#), TrendMacro calculations

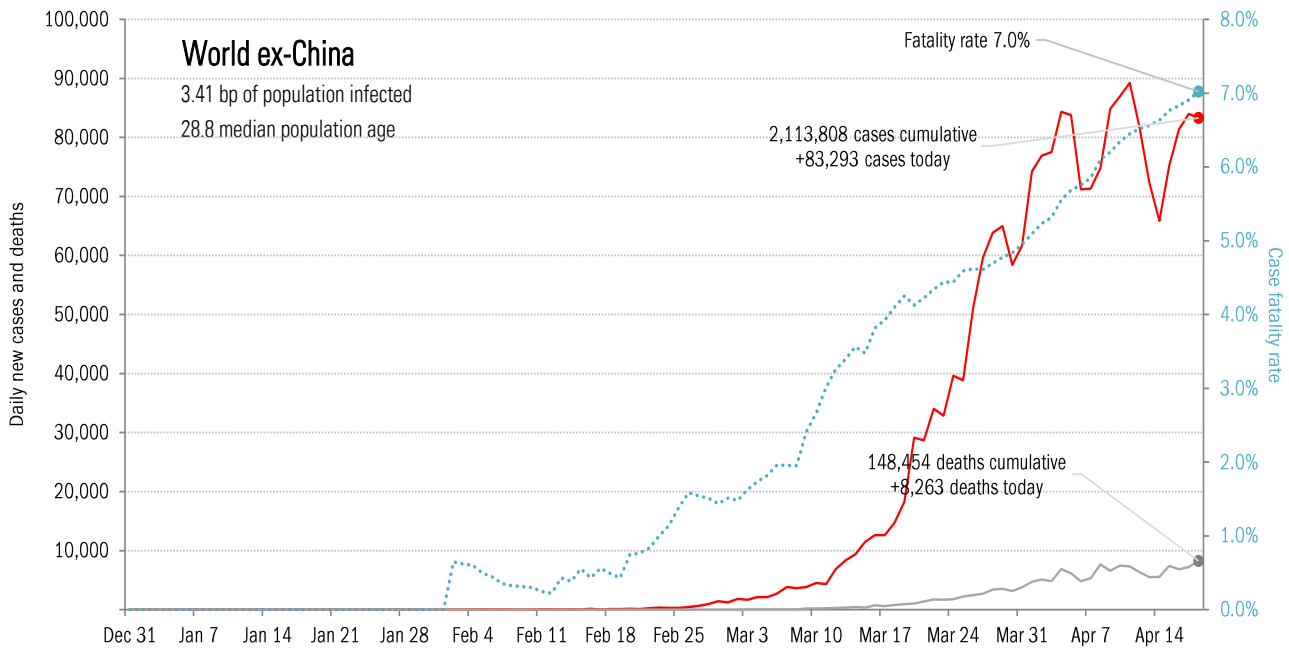
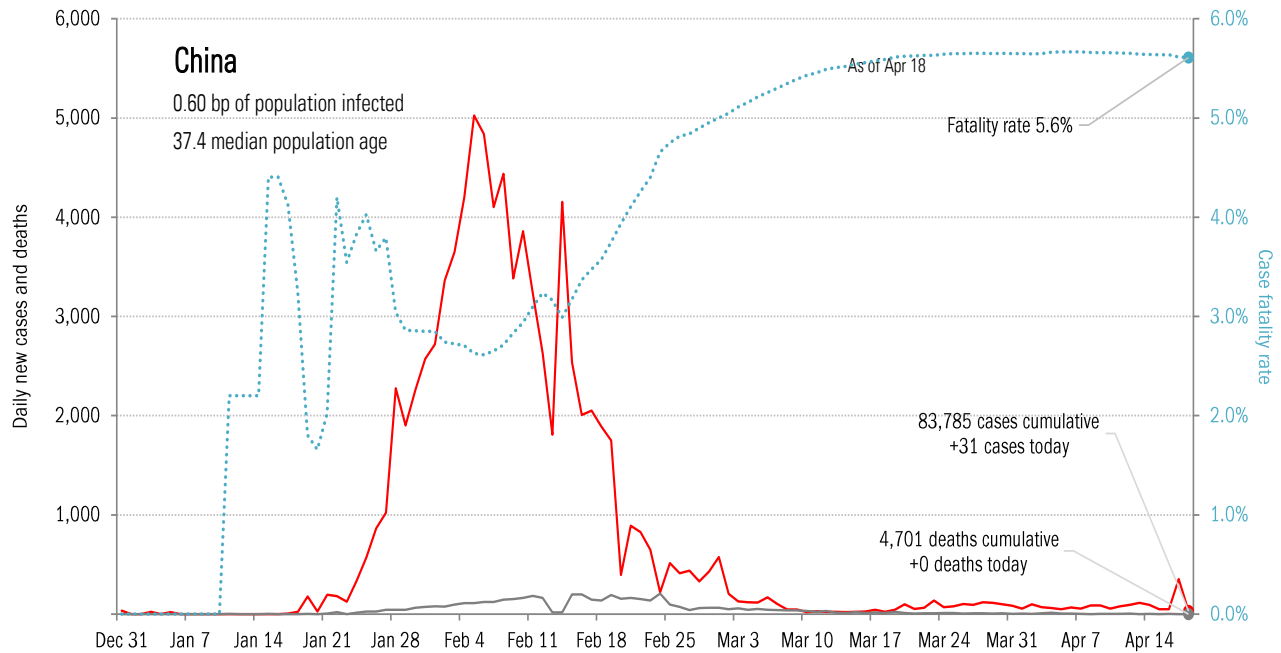


# From Ground Zero to the Rio Grande



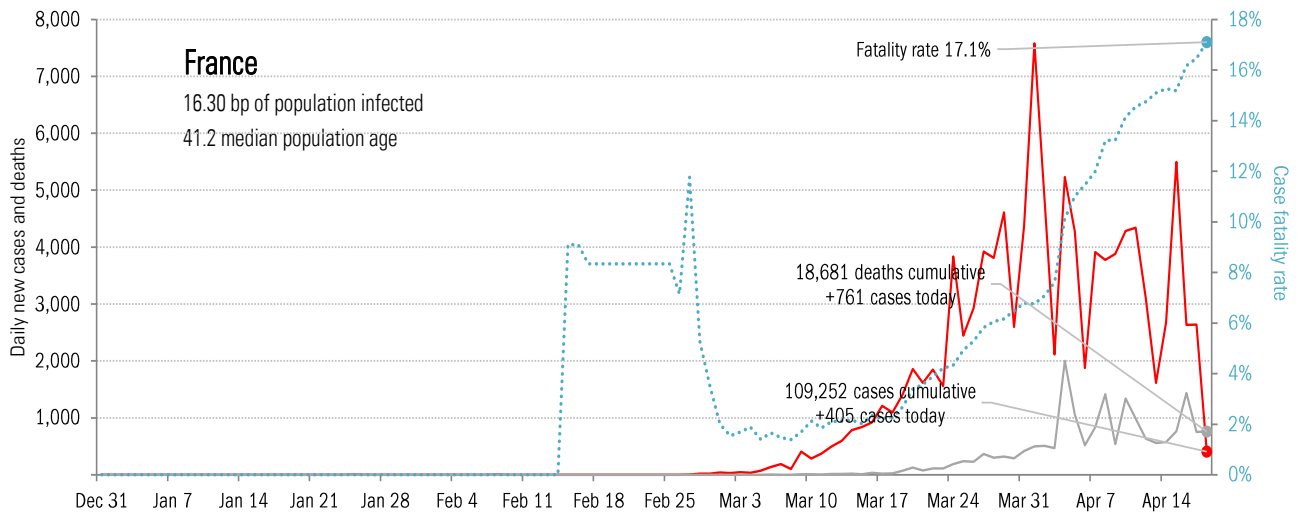
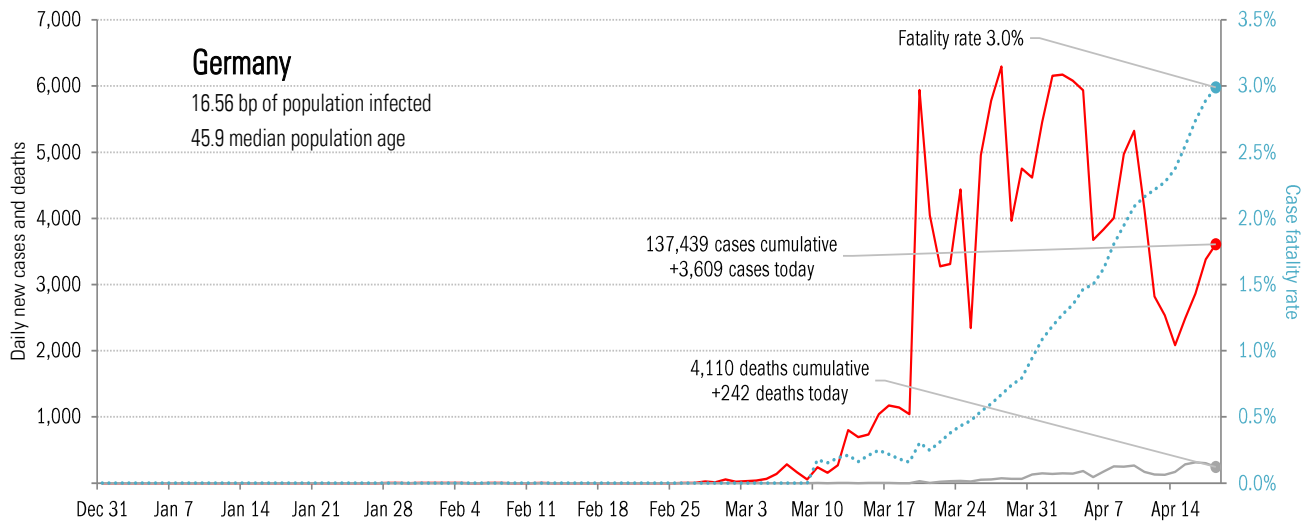
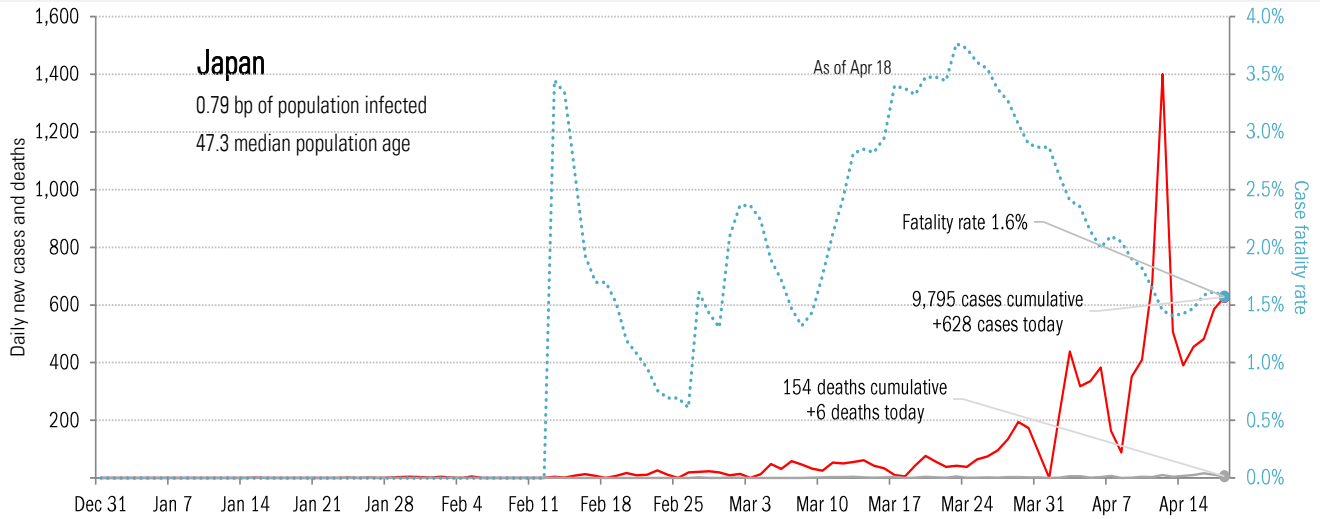
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



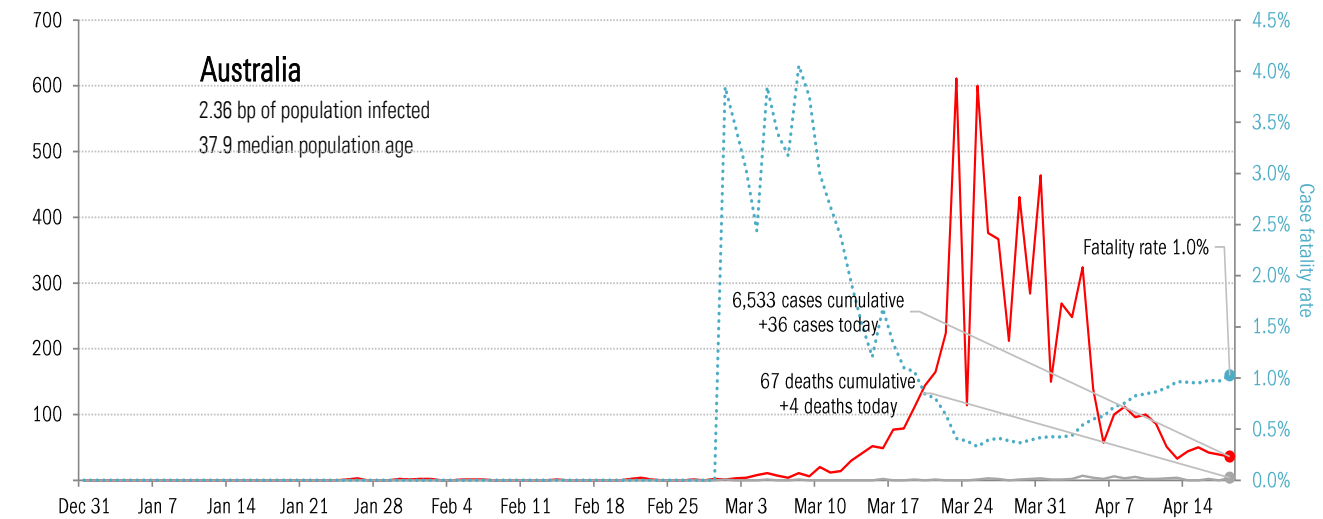
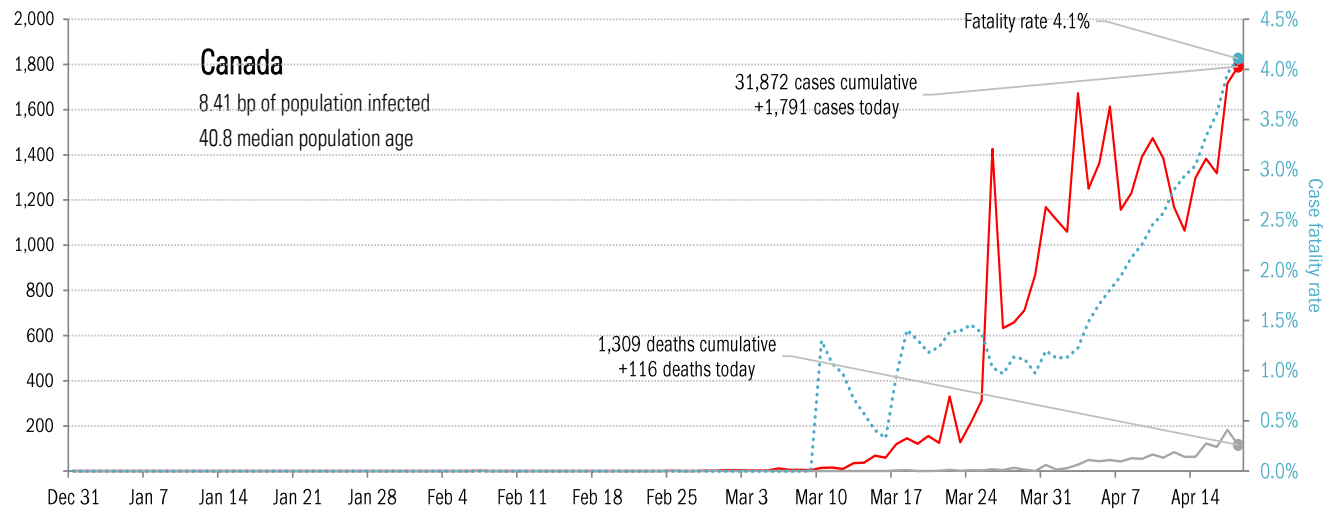
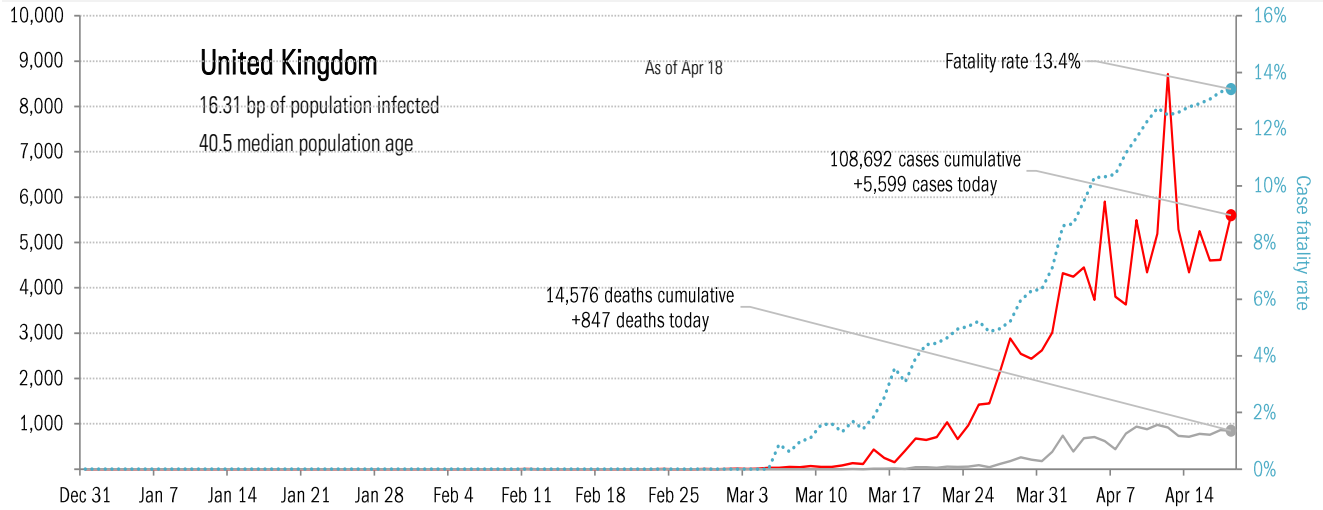
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



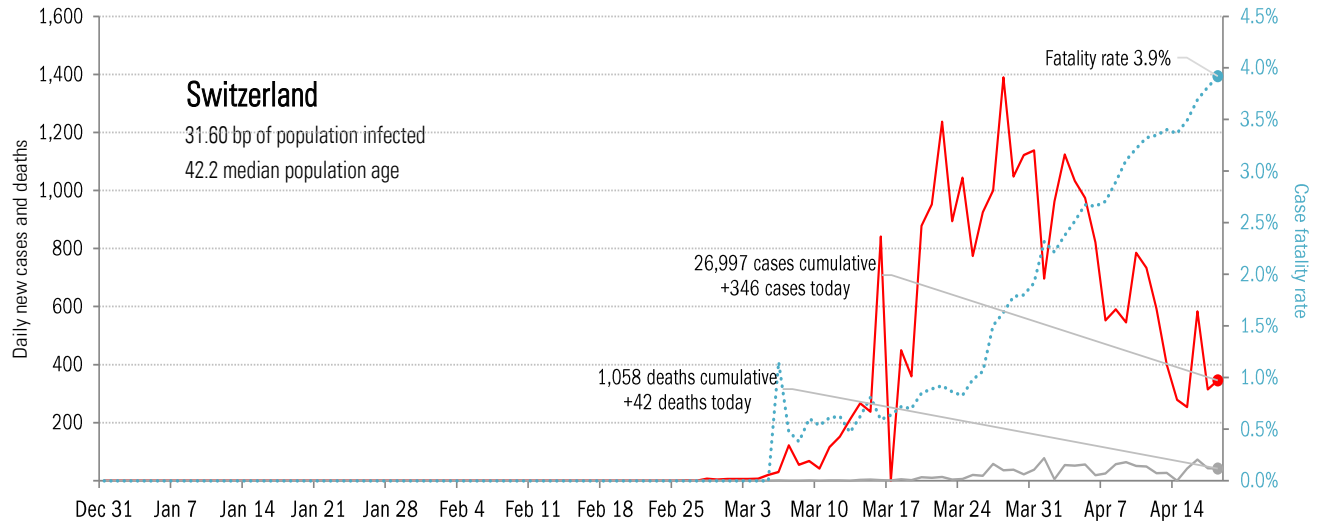
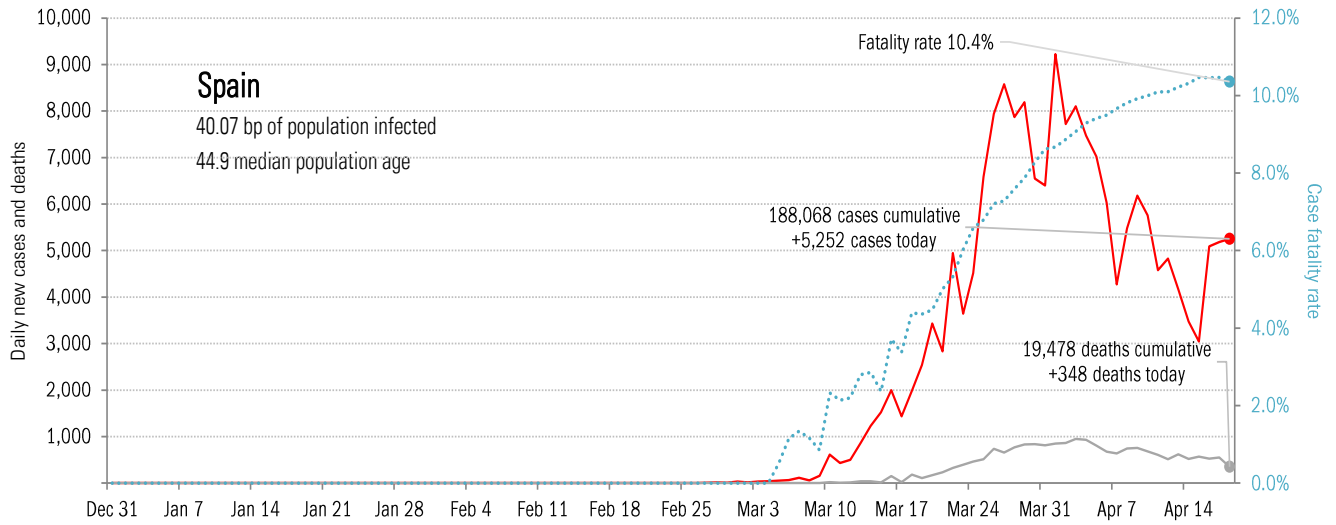
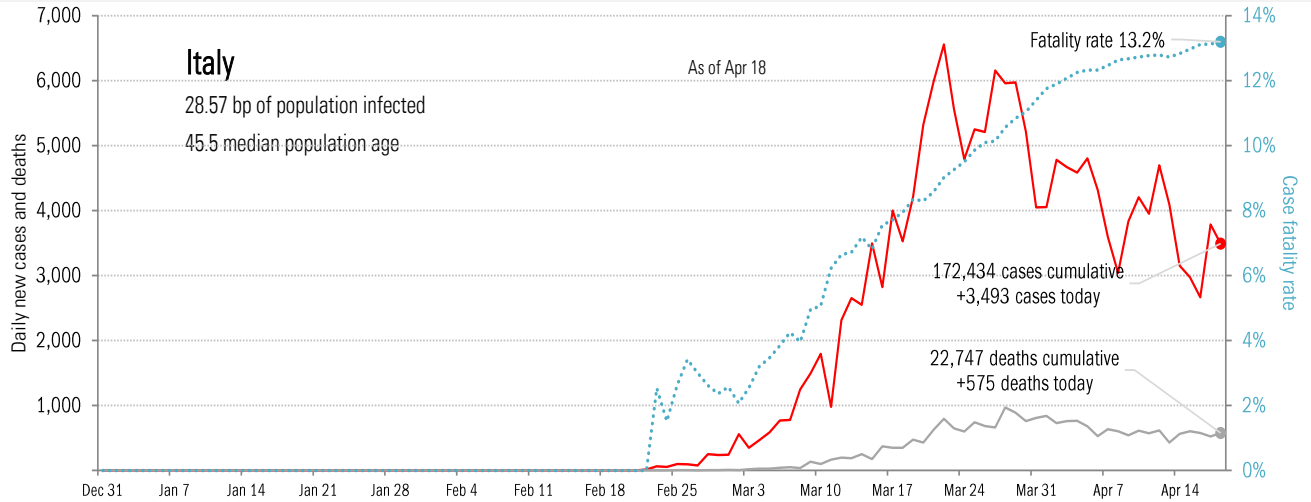
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



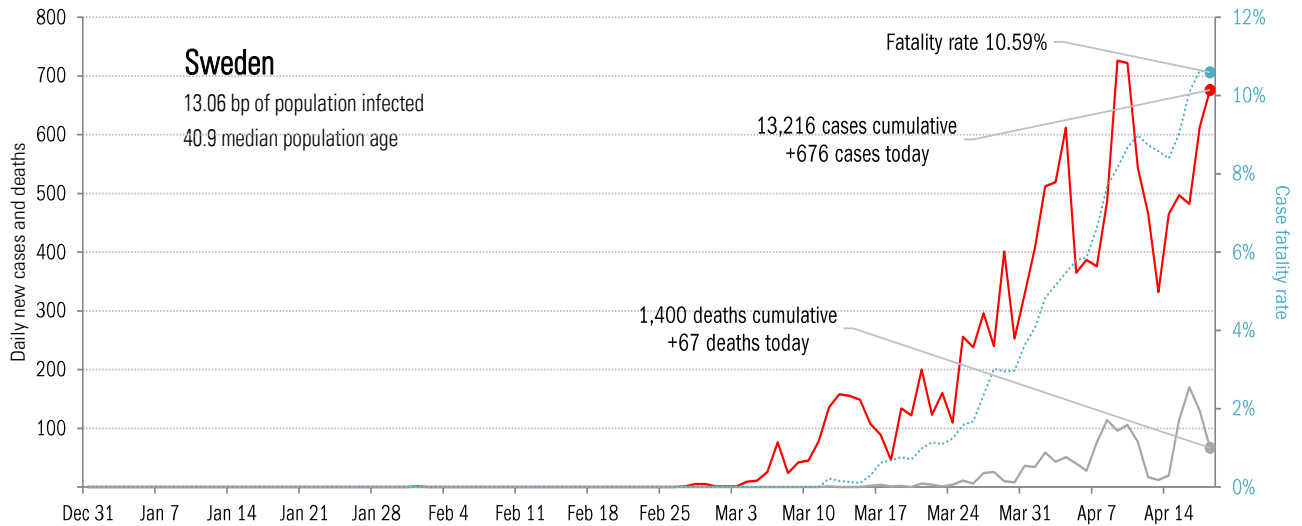
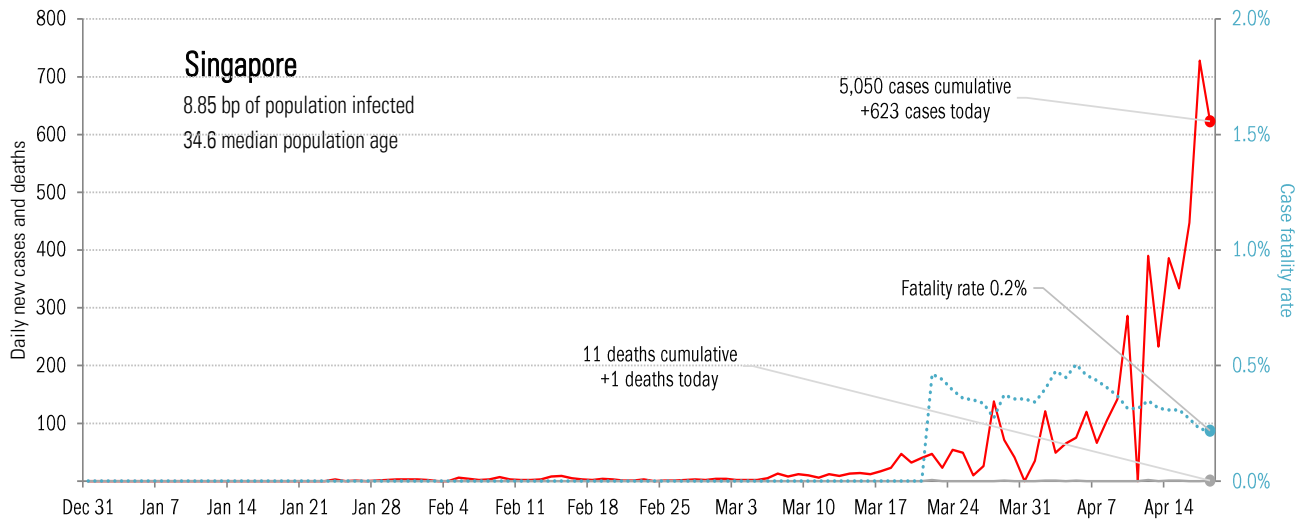
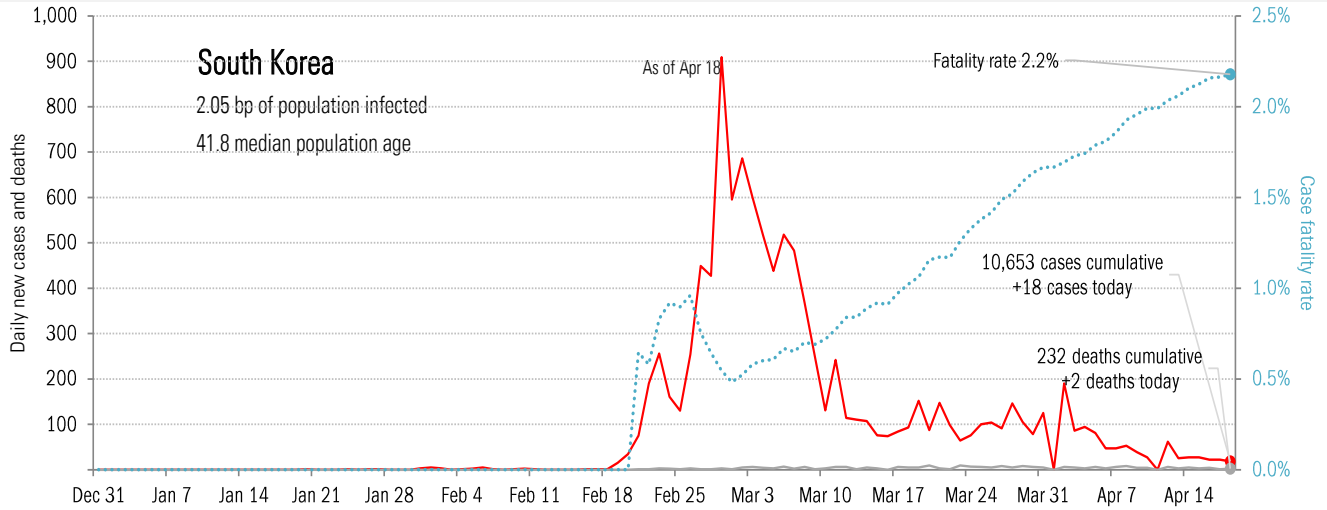
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



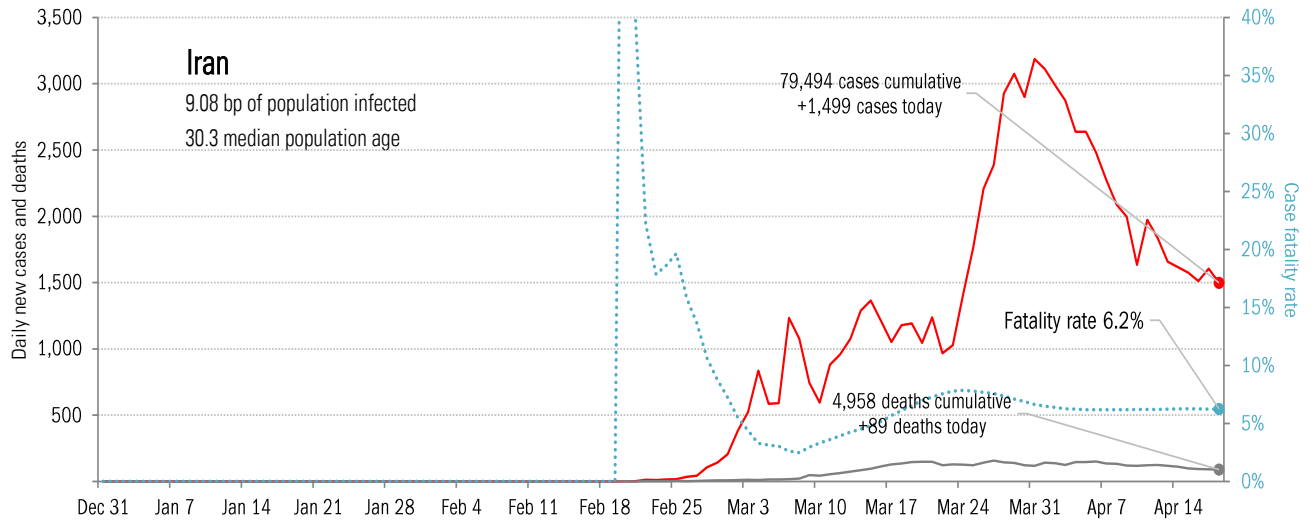
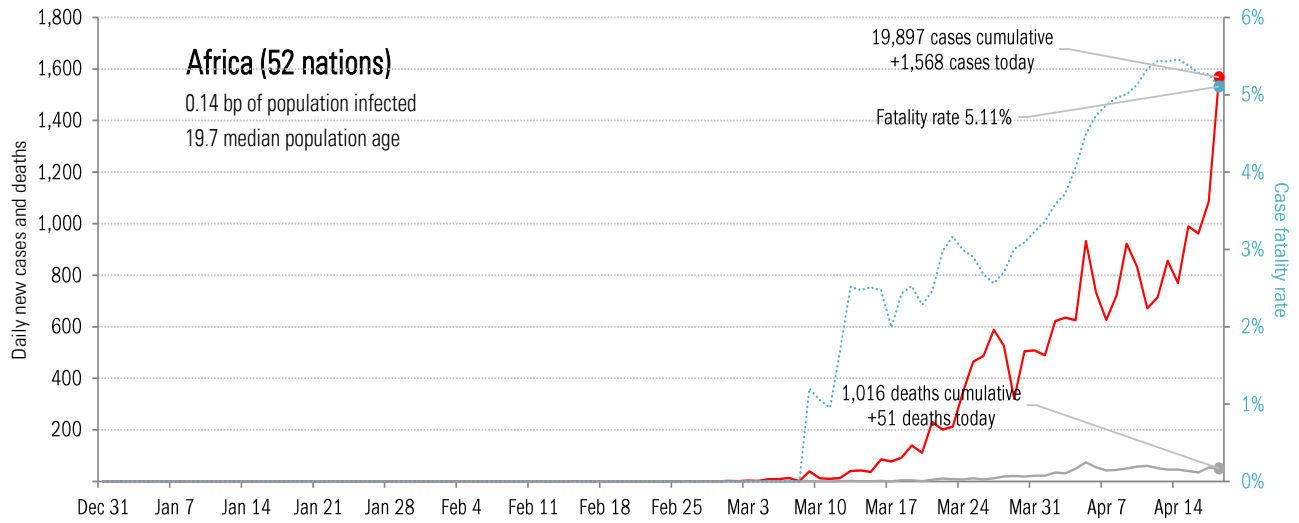
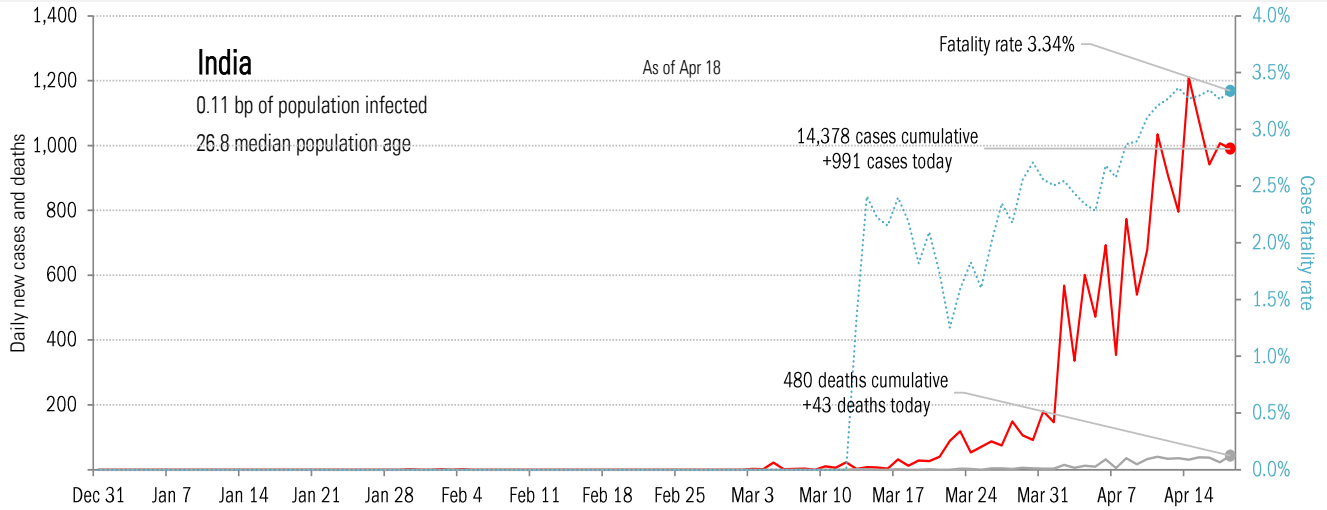
Source: [ECDC](#), TrendMacro calculations

# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

# Impact in the fragile emerging world



Source: [ECDC](#), TrendMacro calculations