

## Data Insights: Covid-2019 Monitor

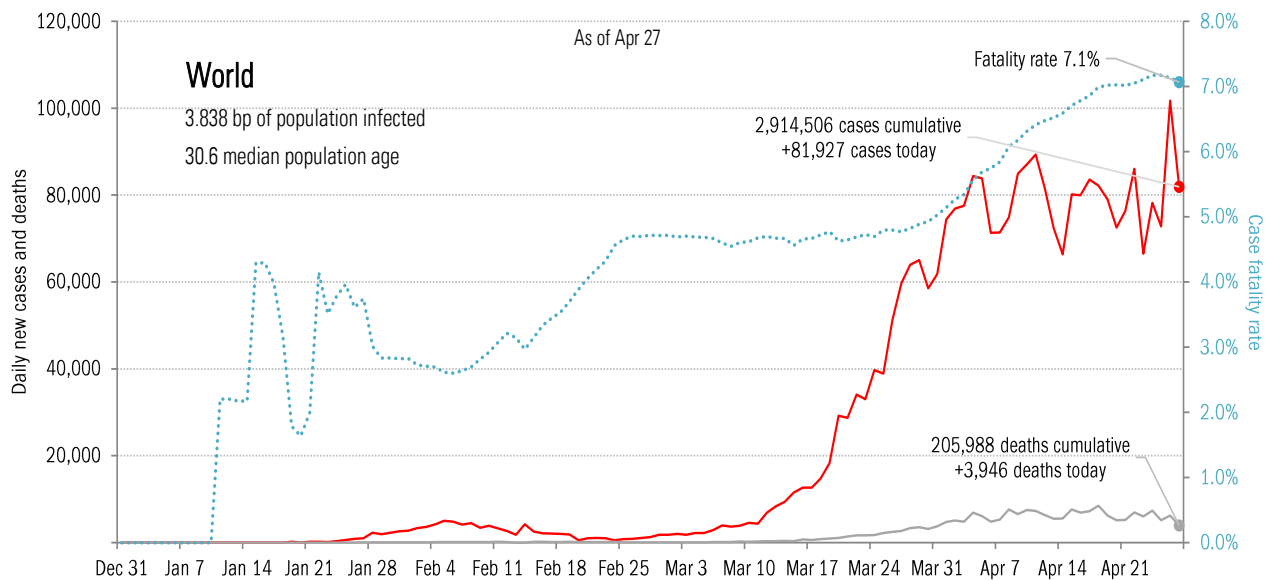
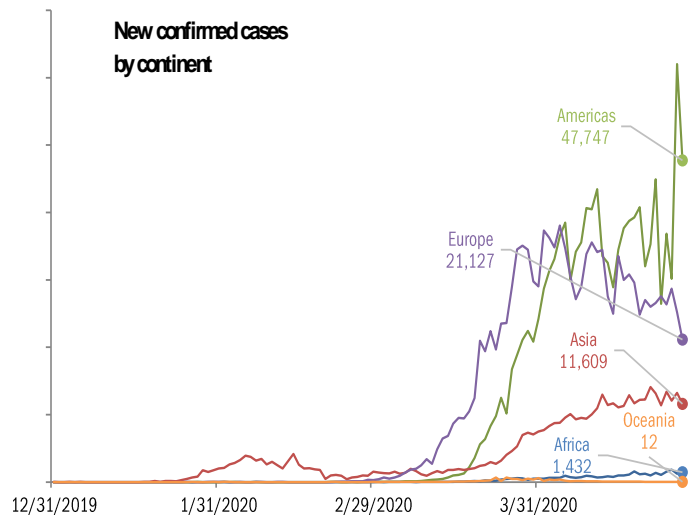
Monday, April 27, 2020

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
US	+26,857	US	+1,687
Ecuador	+11,536	UK	+413
Russia	+6,361	Italy	+260
UK	+4,463	France	+242
Brazil	+3,379	Brazil	+189
Turkey	+2,357	Belgium	+177
Italy	+2,324	Germany	+110
Peru	+2,186	Turkey	+99
Canada	+1,543	Canada	+95
India	+1,396	Netherlands	+66
<b>+62,402</b>		<b>+3,338</b>	
World	+81,927	World	+3,946
Top ten	76%	Top ten	85%

#### 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

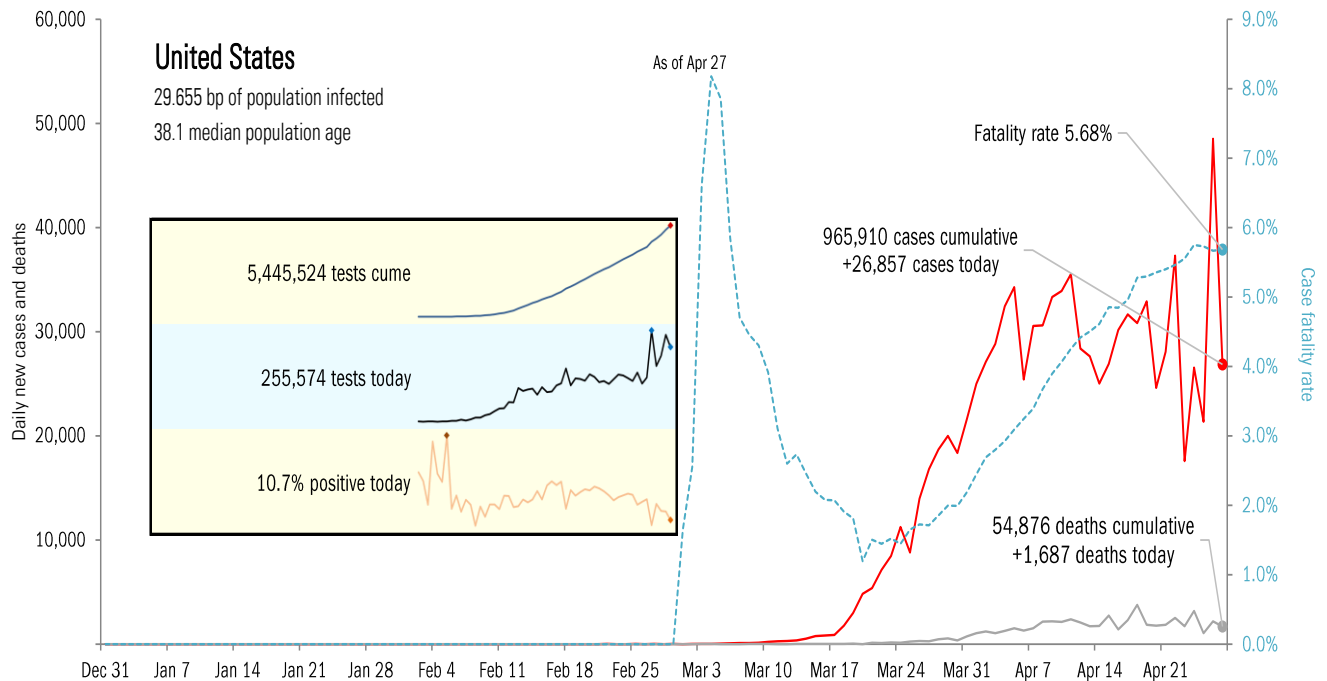
National and state-by-state data do not line up because of different sources

## The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
NY	+5,902	NY	+367	MD	+202	NY	288,045	NY	16,966	NY	57,103
NJ	+3,515	MA	+169	MA	+139	NJ	109,038	NJ	5,938	FL	5,155
IL	+2,126	NJ	+75	KY	+123	MA	54,938	MI	3,315	MA	5,104
MA	+1,590	CT	+62	RI	+115	IL	43,903	MA	2,899	GA	4,359
PA	+1,116	CA	+59	FL	+110	CA	42,164	IL	1,933	MD	3,962
CA	+1,027	IL	+59	VA	+72	PA	41,165	CT	1,924	OH	3,178
TX	+858	MI	+41	OH	+63	MI	37,778	CA	1,710	CO	2,410
MD	+815	MD	+35	CO	+44	FL	31,528	LA	1,670	VA	2,014
CO	+712	IN	+28	GA	+33	LA	26,773	PA	1,550	WI	1,397
GA	+706	MN	+28	MN	+32	CT	25,269	FL	1,094	KY	1,266
<b>+18,367</b>		<b>+923</b>		<b>+933</b>		<b>700,601</b>		<b>38,999</b>		<b>85,948</b>	
All states	+27,358	All states	+1,184	All states	+1,067	All states	959,056	All states	49,164	All states	95,810
Top ten	67%	Top ten	78%	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	
MA	-5,735	MA	-201	MA	-333	TX	+777
NY	-4,651	NJ	-171	SC	-107	NH	+199
CA	-856	MI	-148	CO	-85	IA	+177
NC	-364	CO	-124	GA	-72	UT	+169
MD	-335	NY	-70	AL	-65	KY	+160



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

## Recommended reading

### [Do Lockdowns Save Many Lives? In Most Places, the Data Say No](#)

T. J. Rodgers  
*Wall Street Journal*  
April 26, 2020

### [Economic Activity and the Value of Medical Innovation during a Pandemic](#)

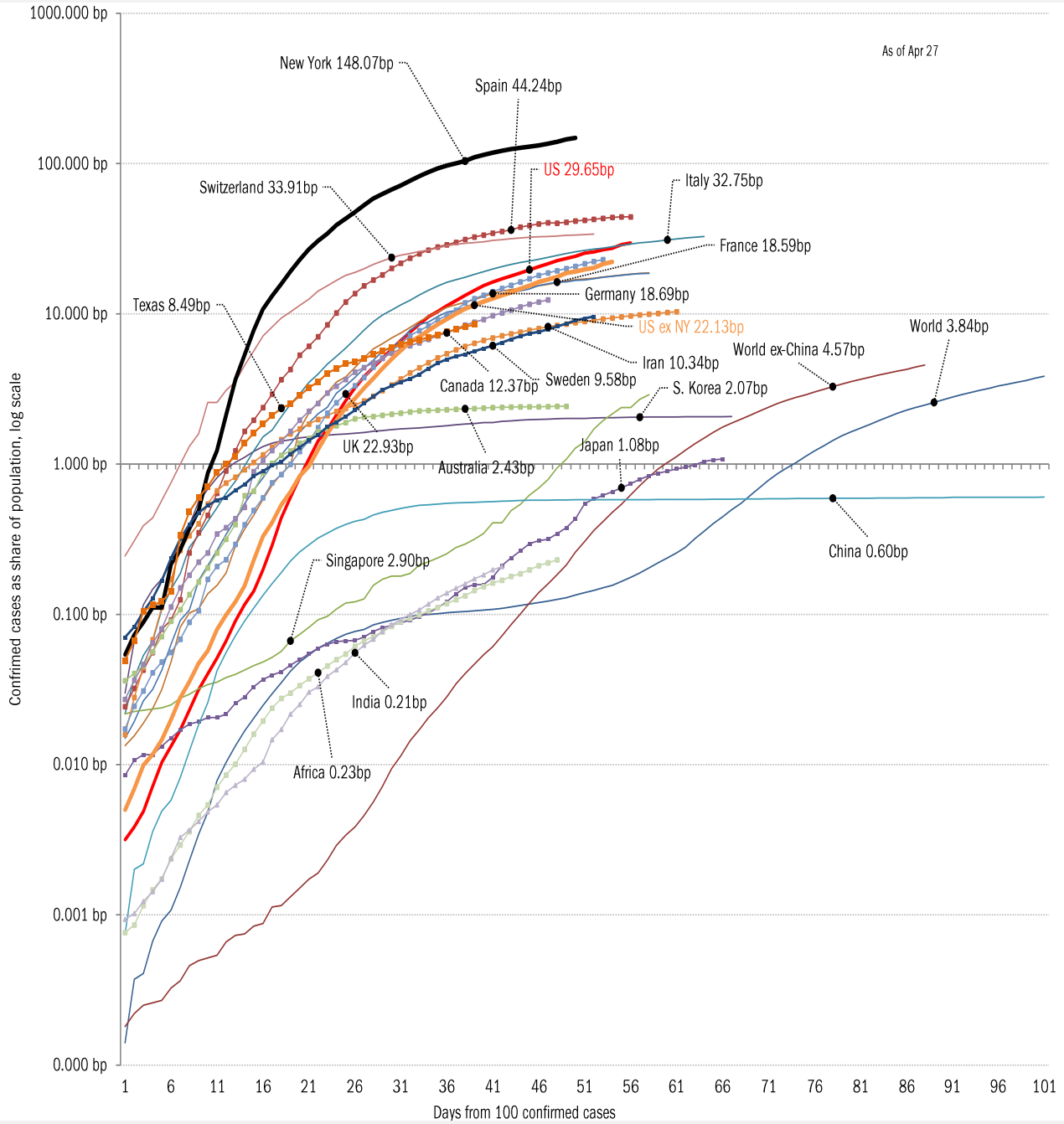
Casey B. Mulligan  
*Becker Friedman Center, University of Chicago*  
April 2020

## Meme of the day



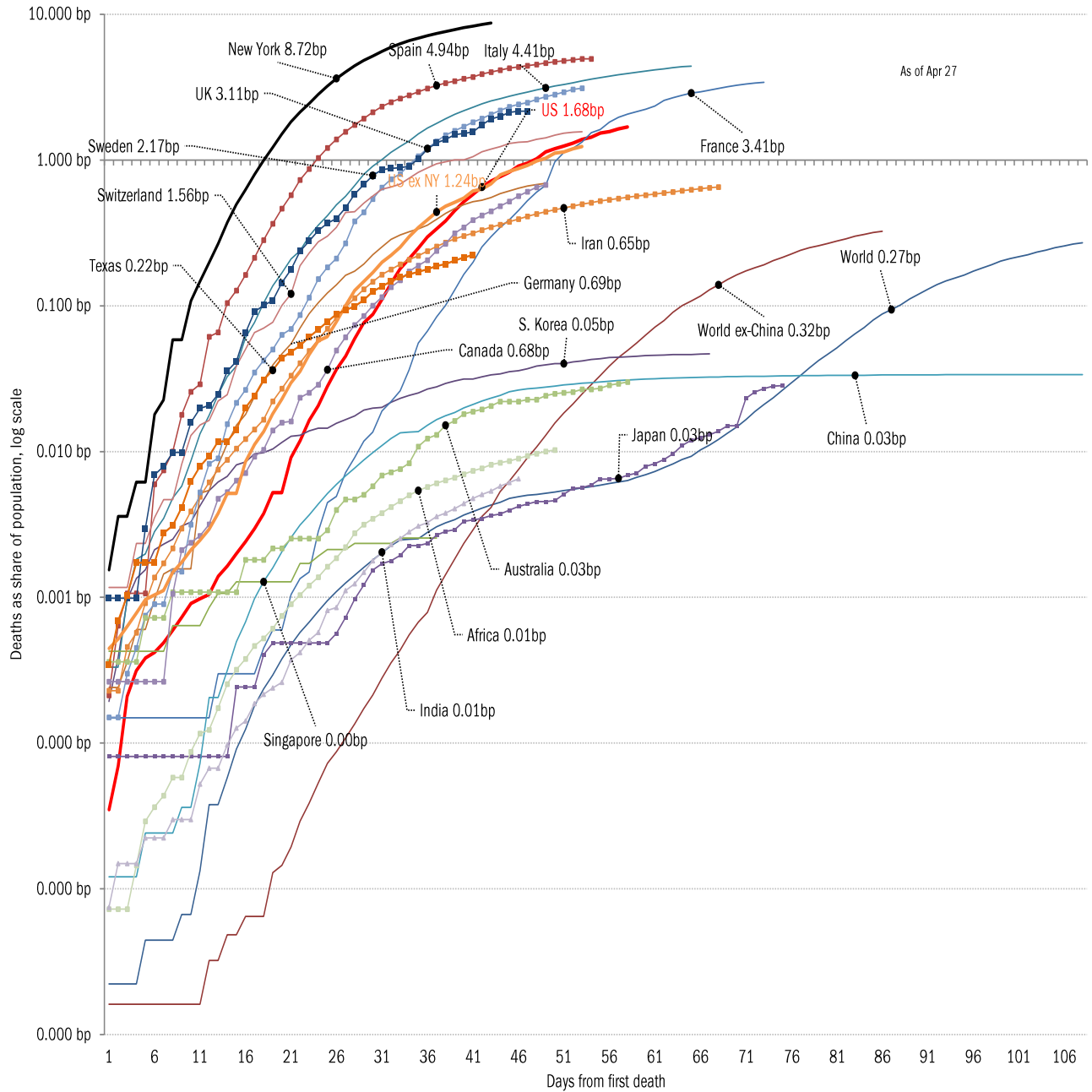
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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*



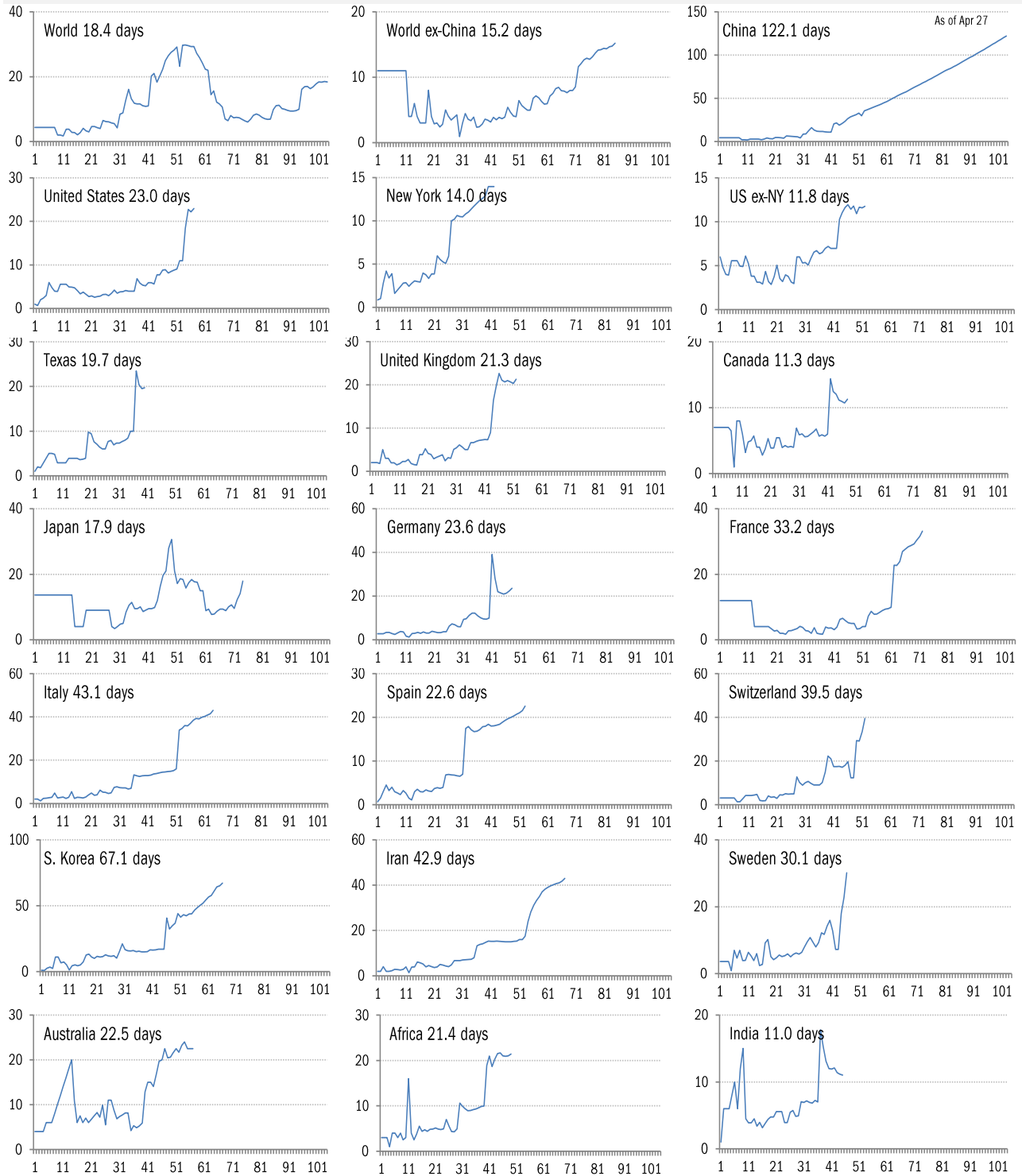
Source: [ECDC](#), TrendMacro calculations

# 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*

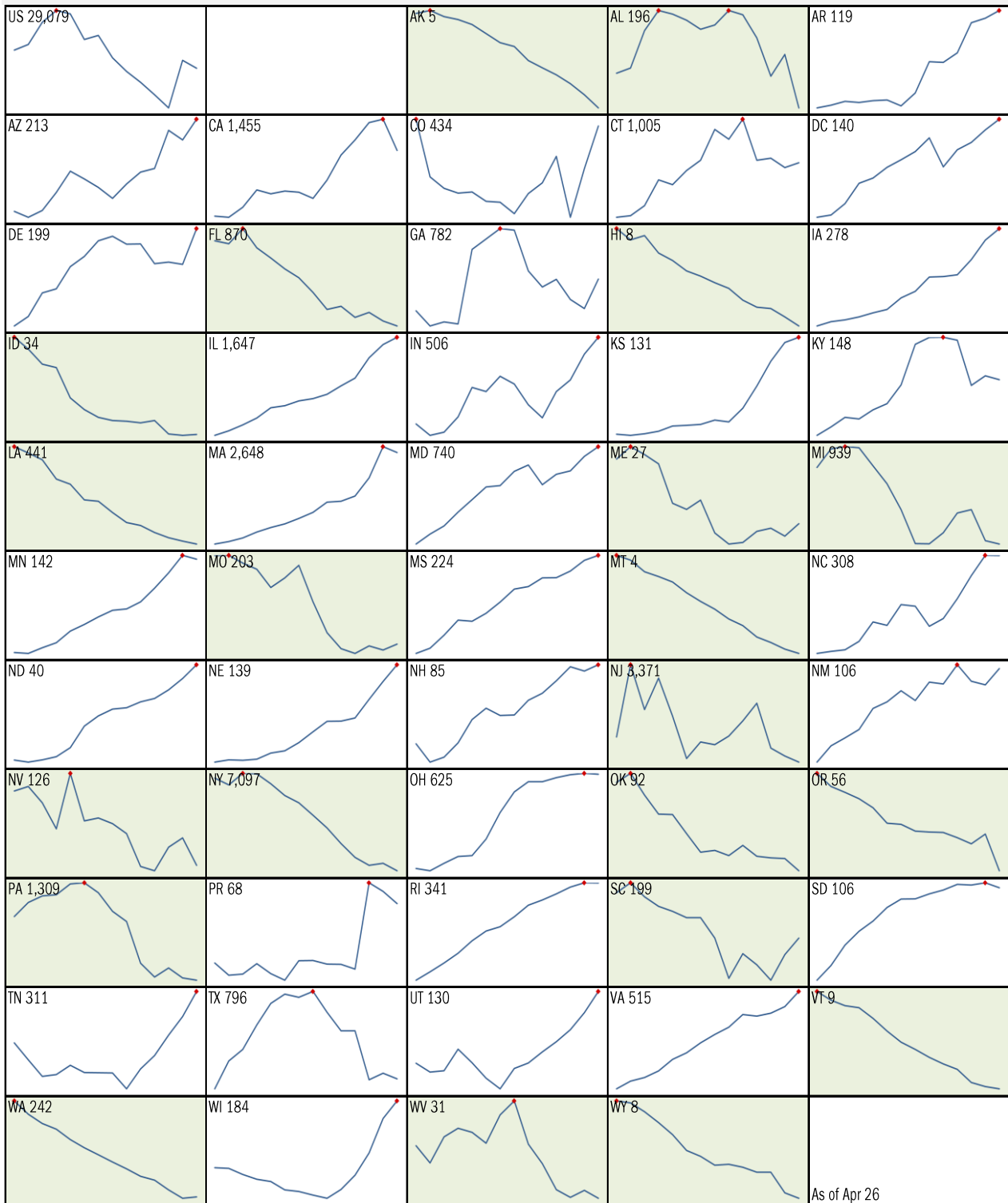
Progress means seeing the line move up and to the right. . .

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



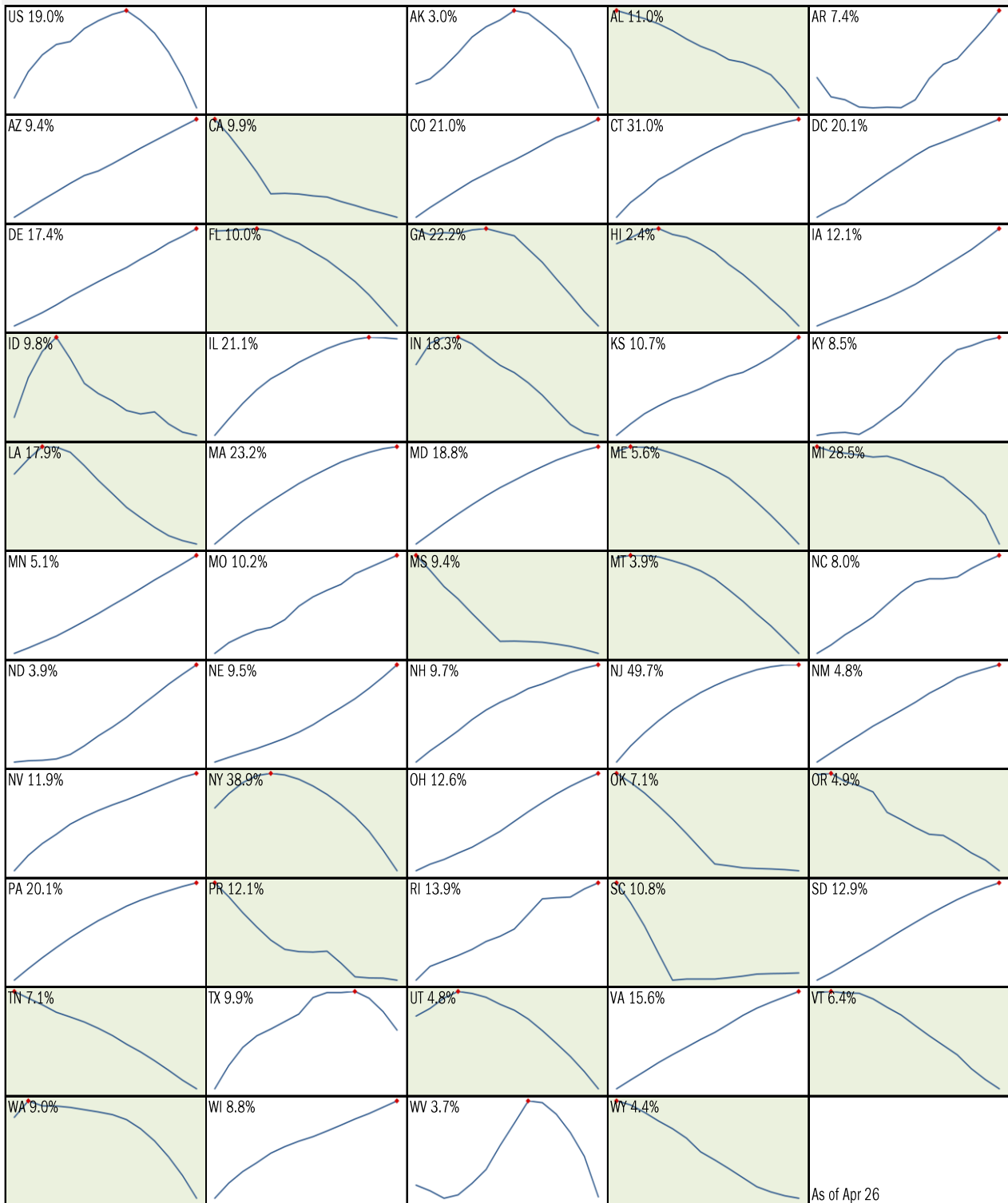
Source: [ECDC](#), TrendMacro calculations

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

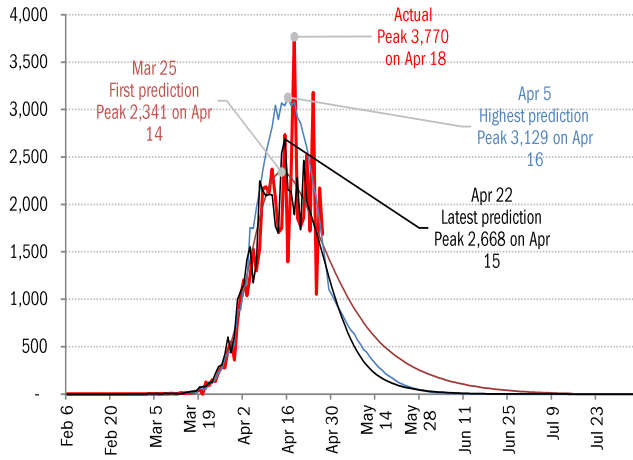


# Reality-checking the models: actuals versus [IHME predictions](#)

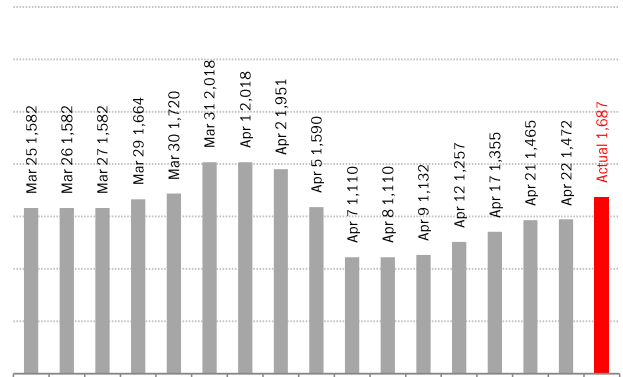
## New daily fatalities

As of Apr 27

Actual versus first, highest and latest model mean predictions

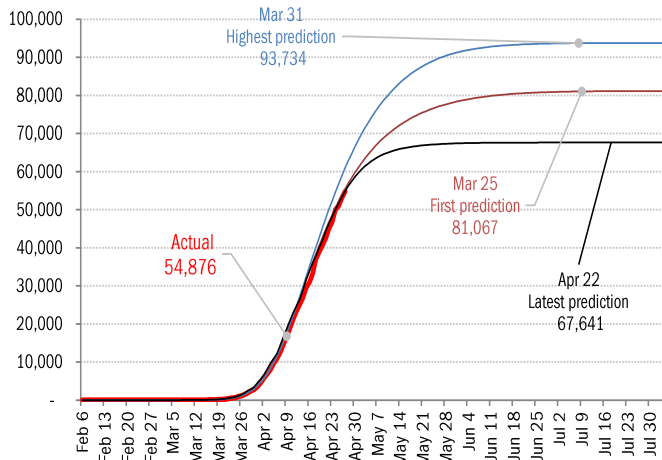


For this day, versus all model mean predictions

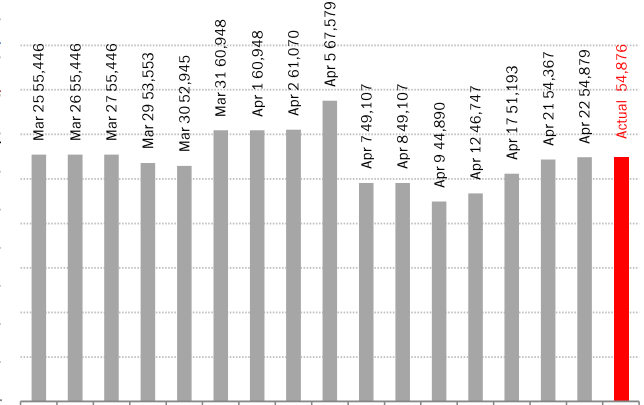


## Cumulative fatalities

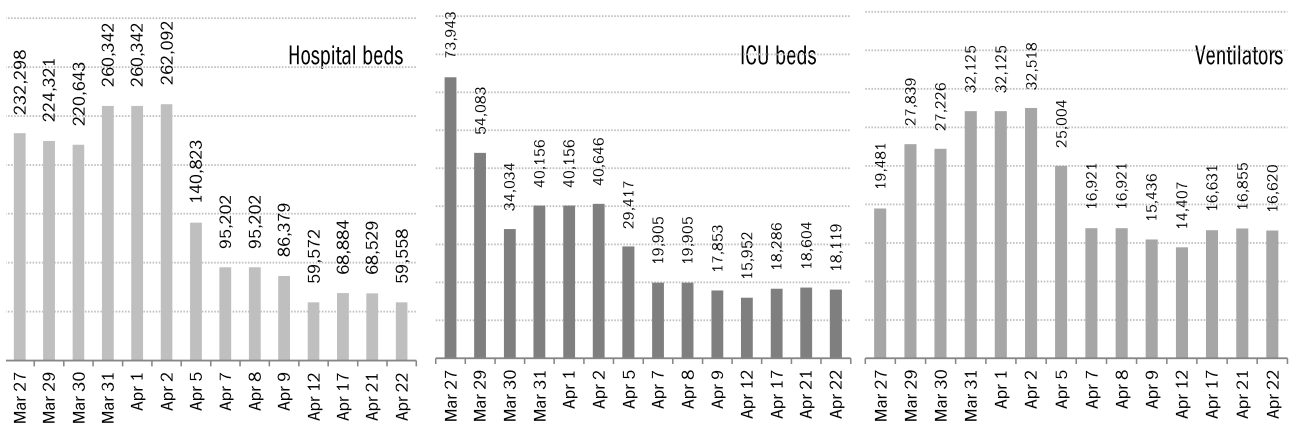
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

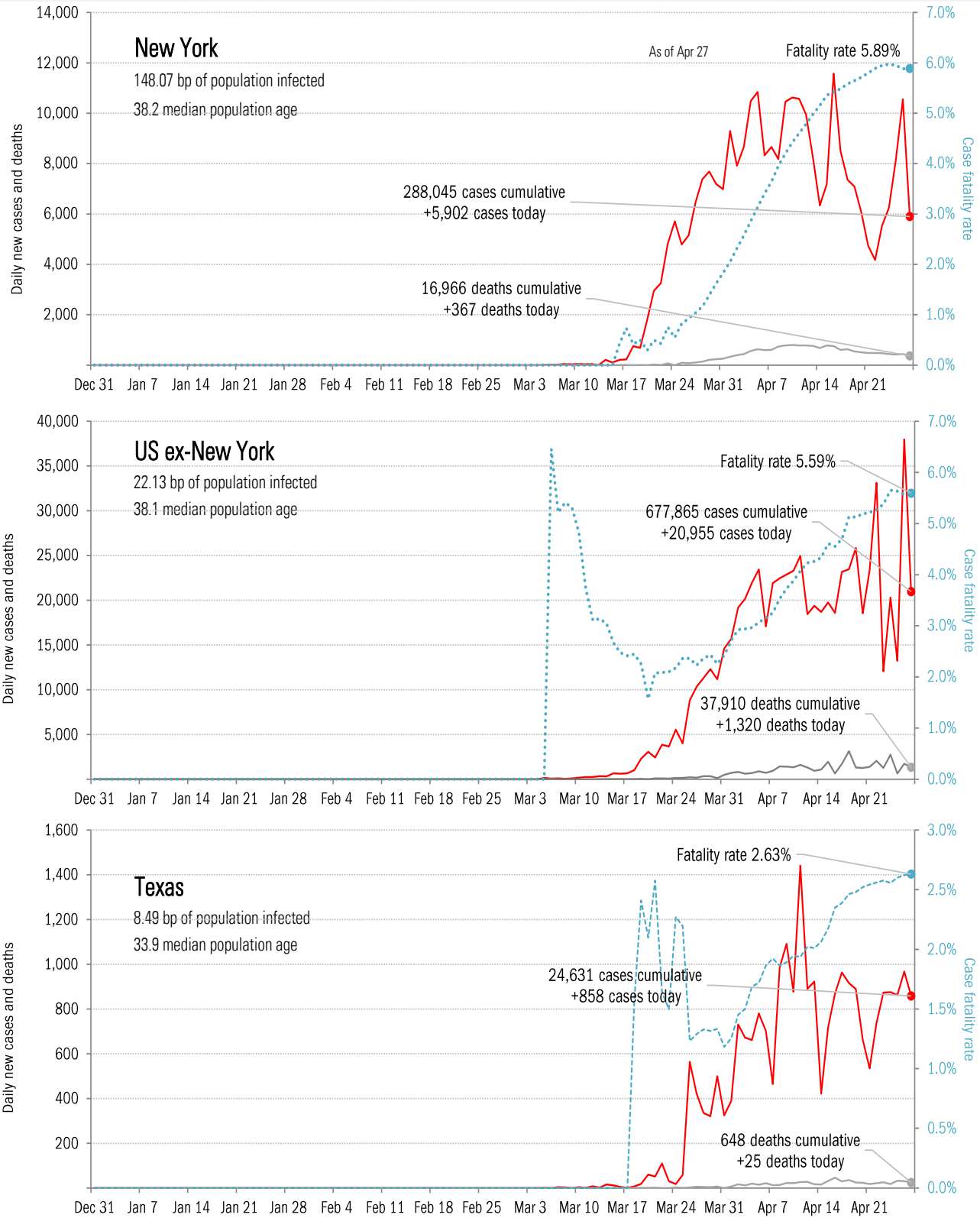


## Healthcare system stress, peak estimated at each model revision



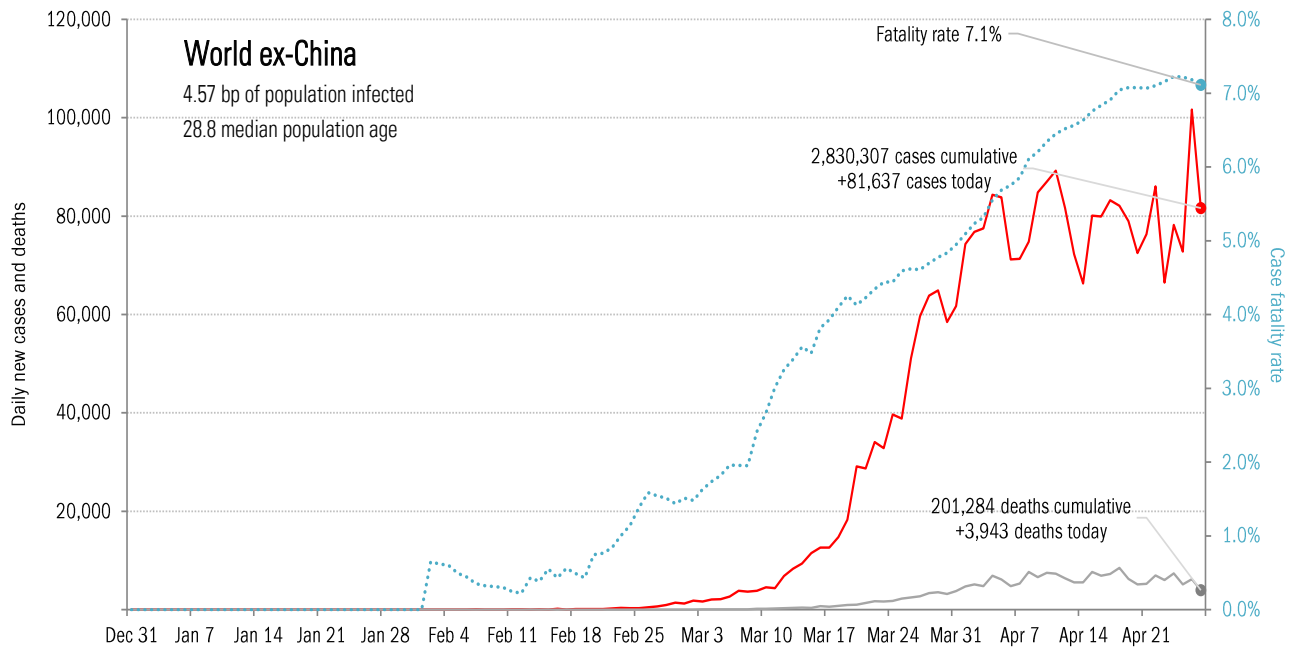
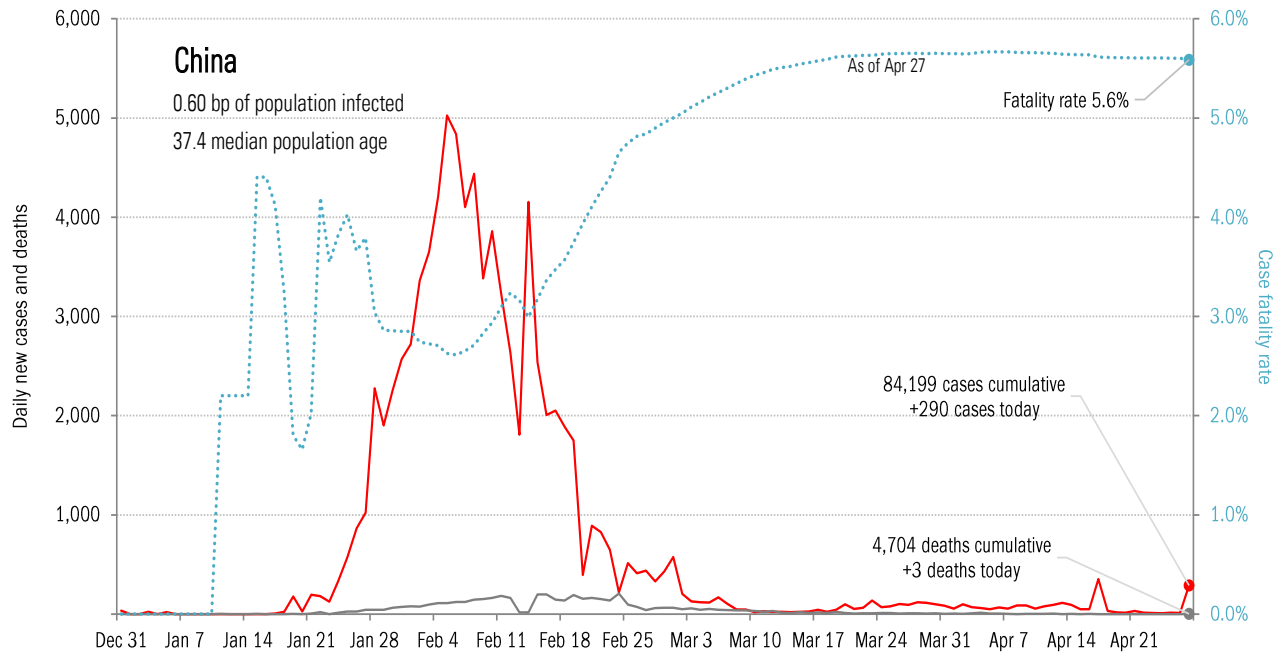
Source: [ECDC](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



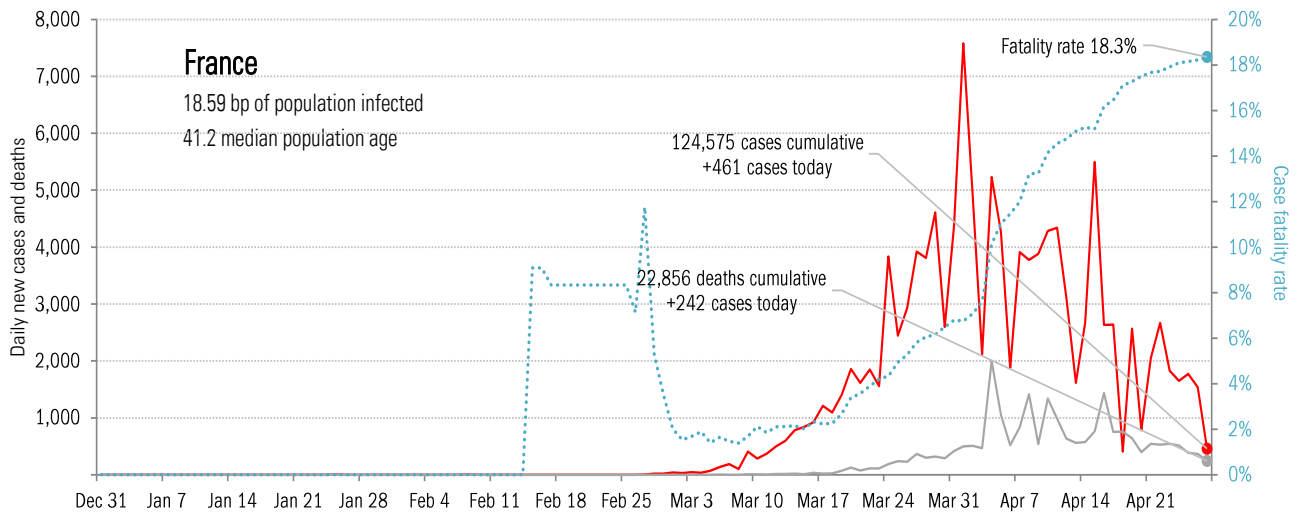
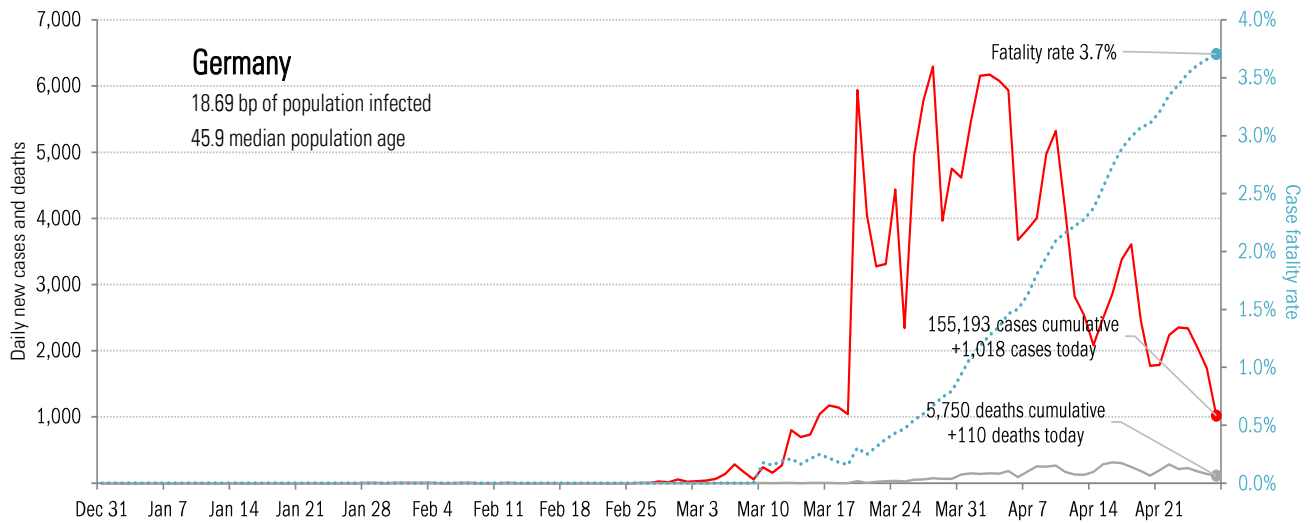
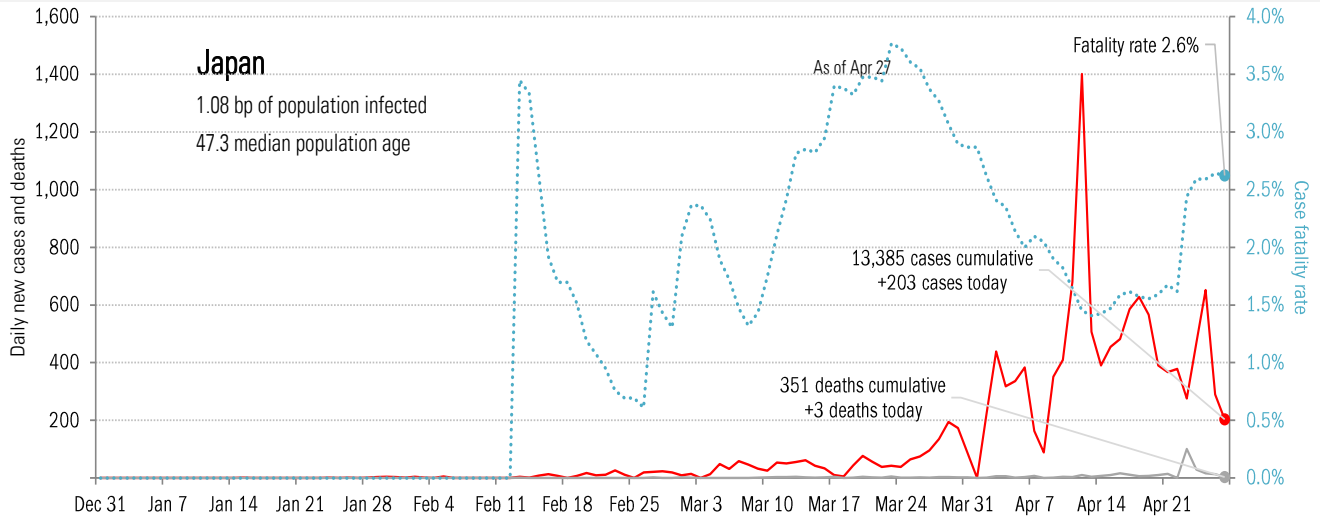
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



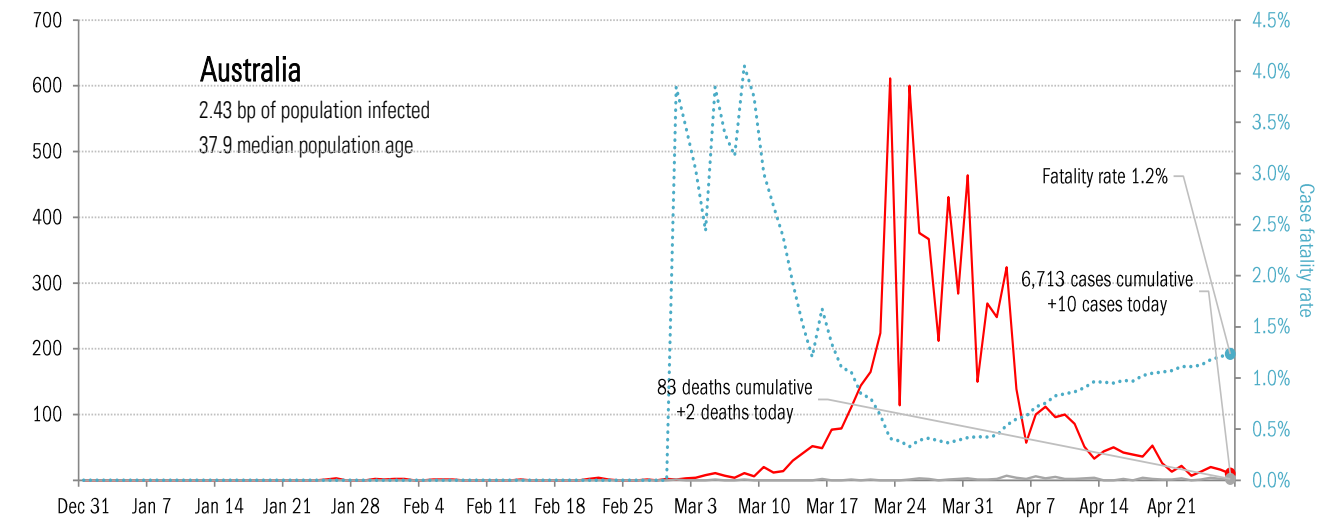
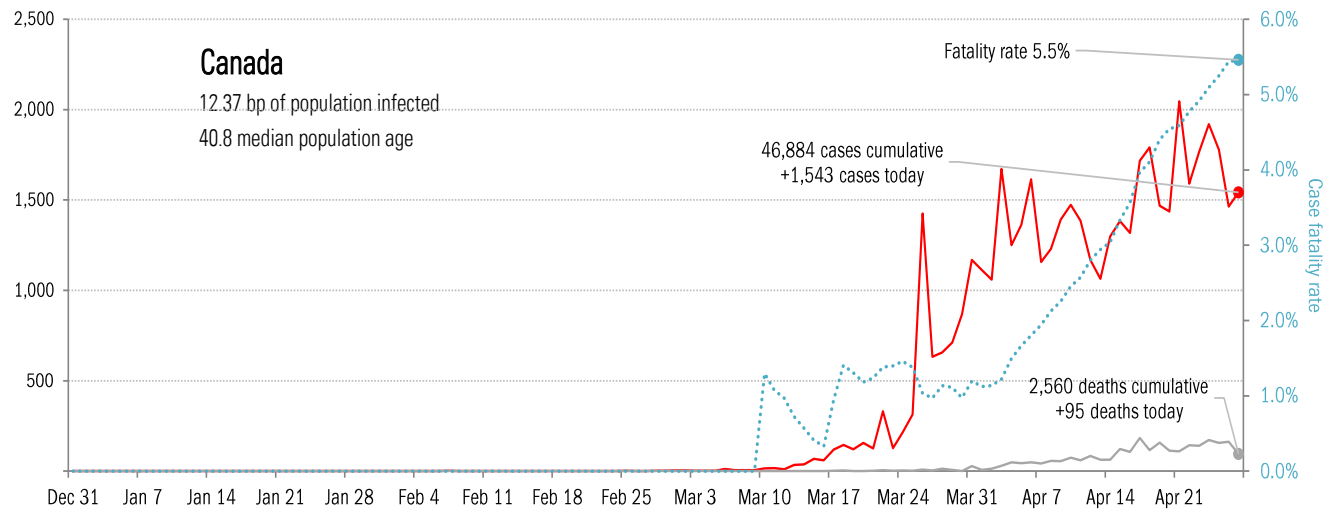
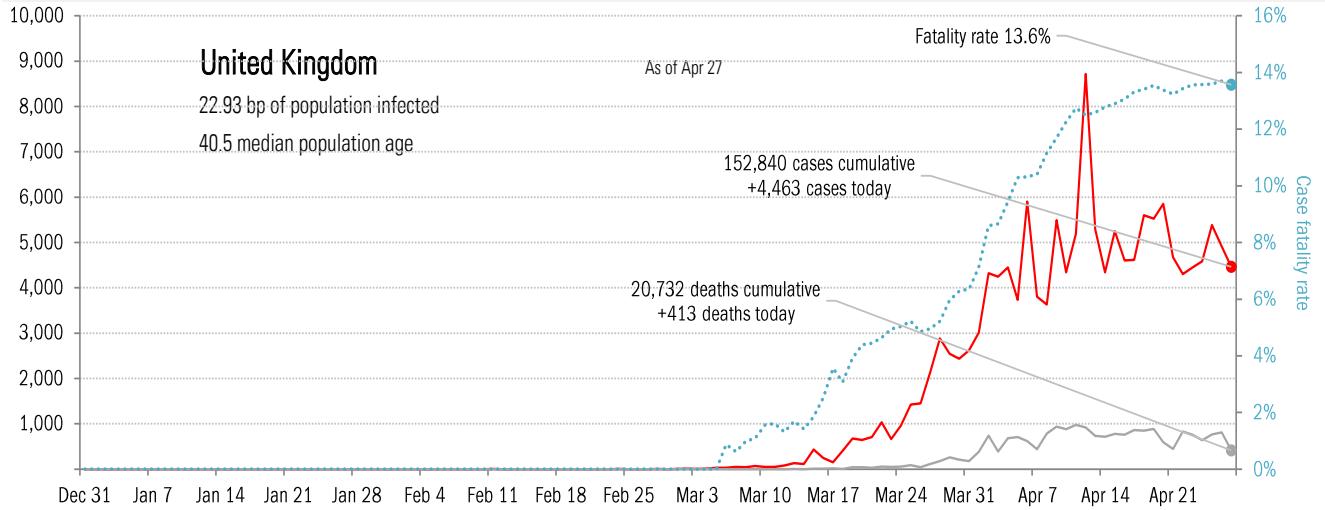
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



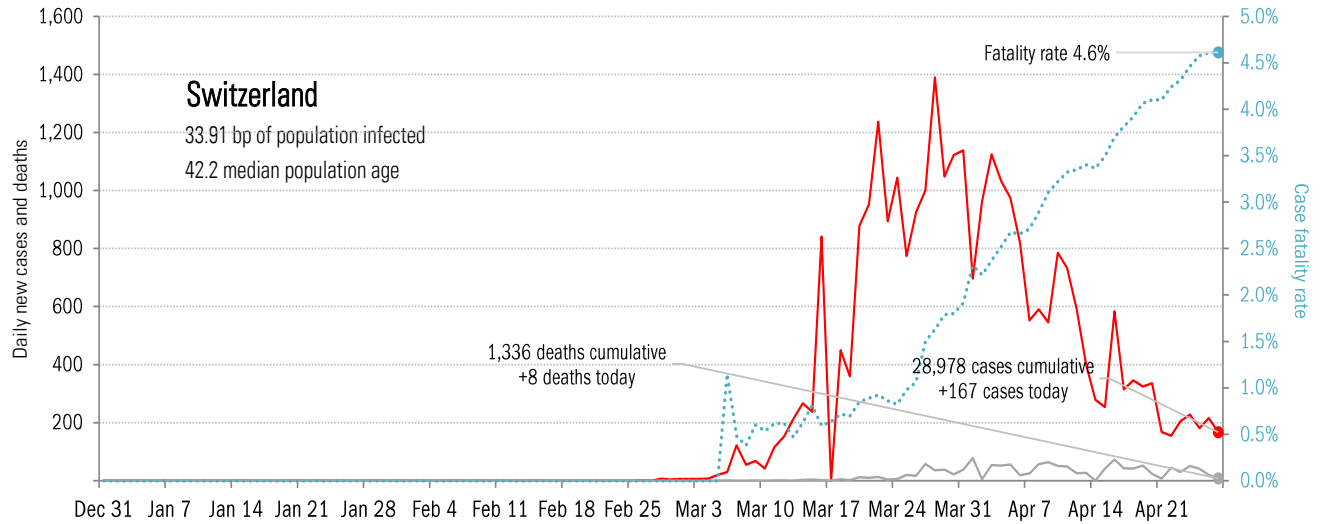
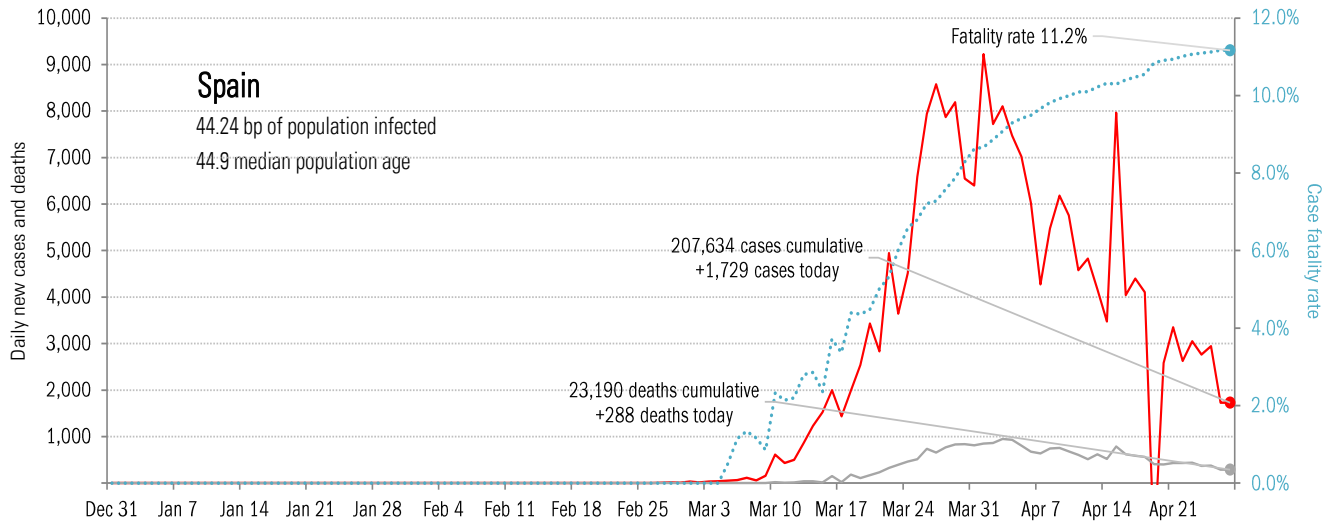
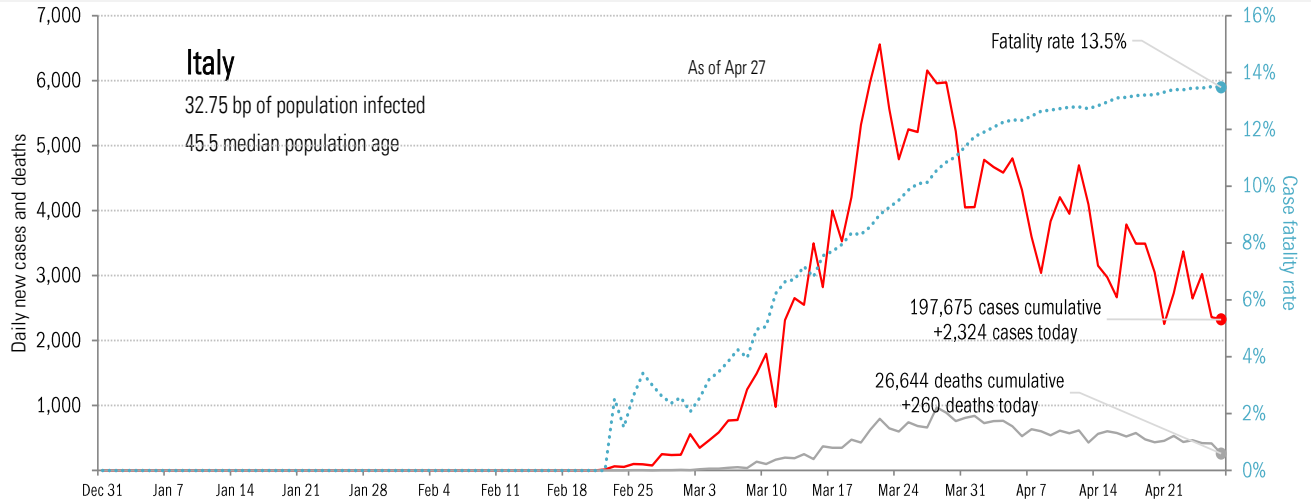
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



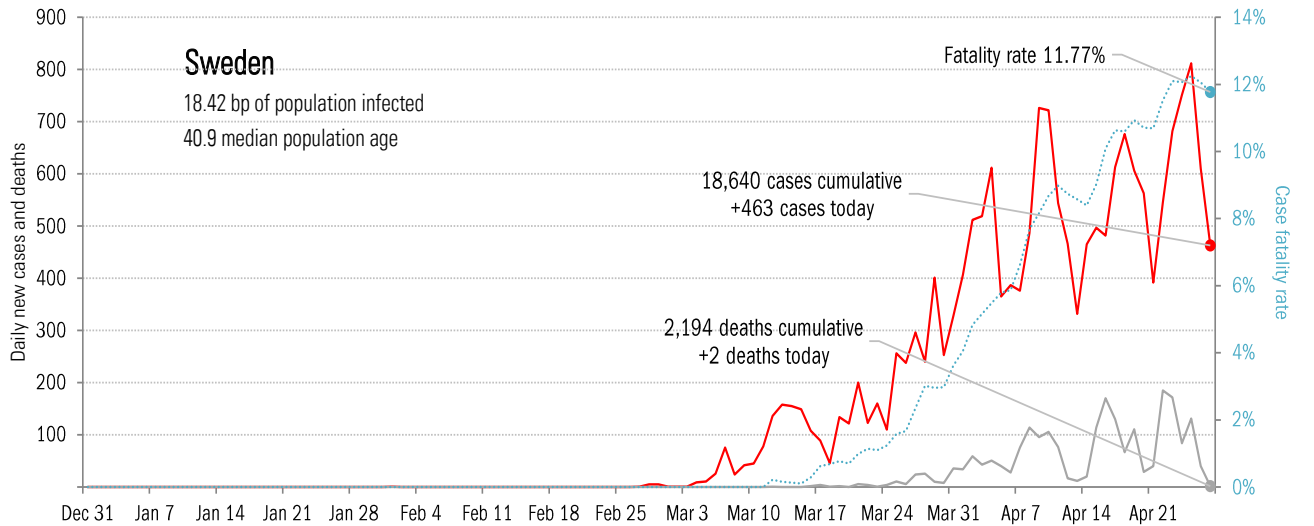
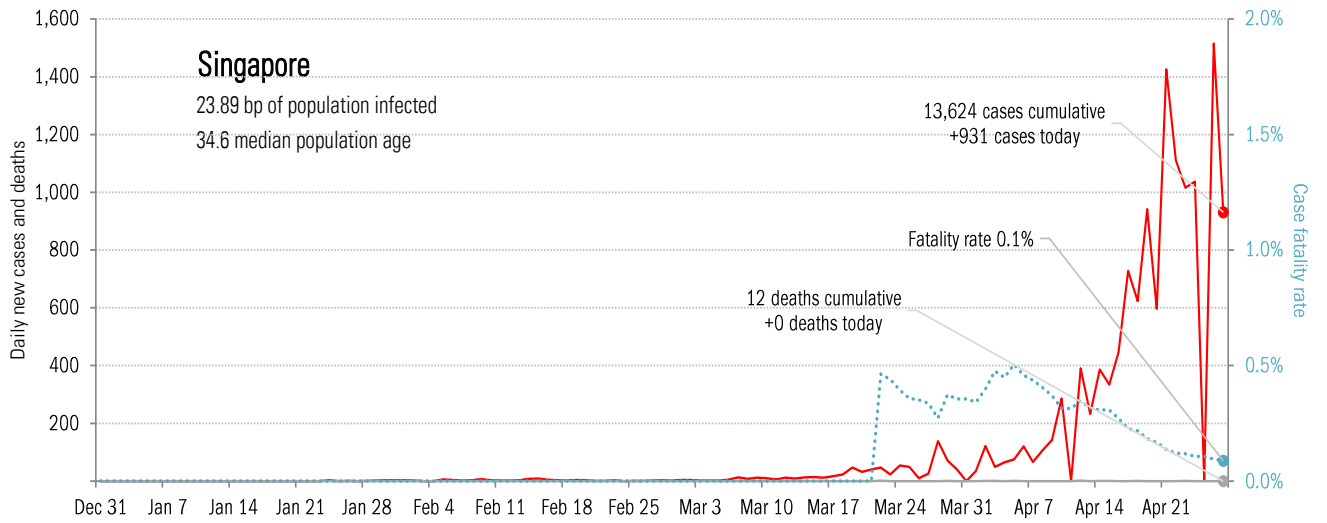
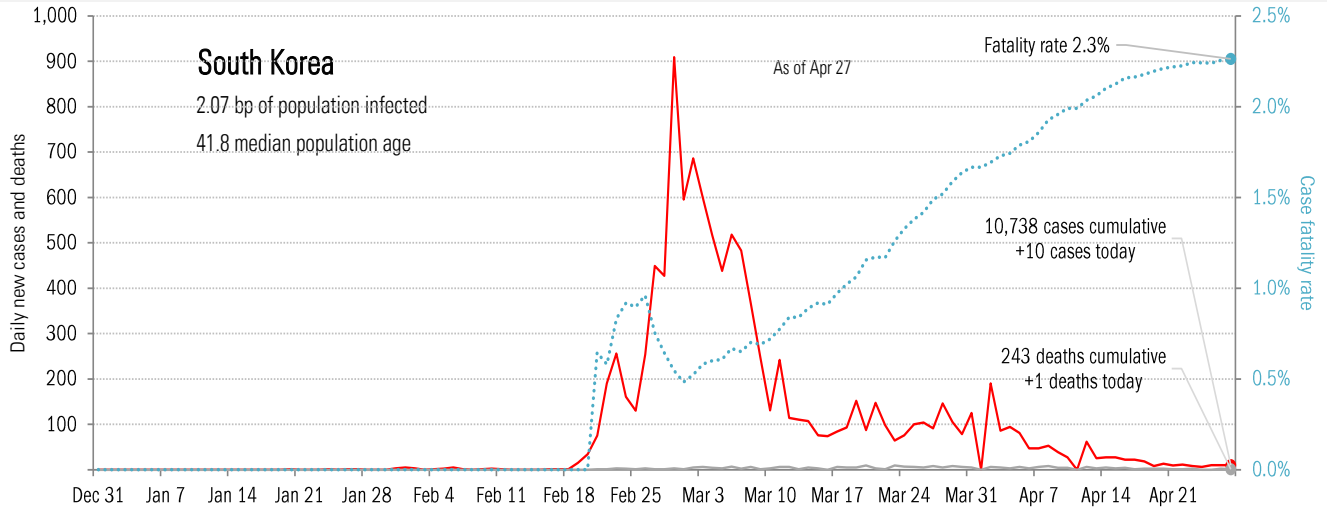
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



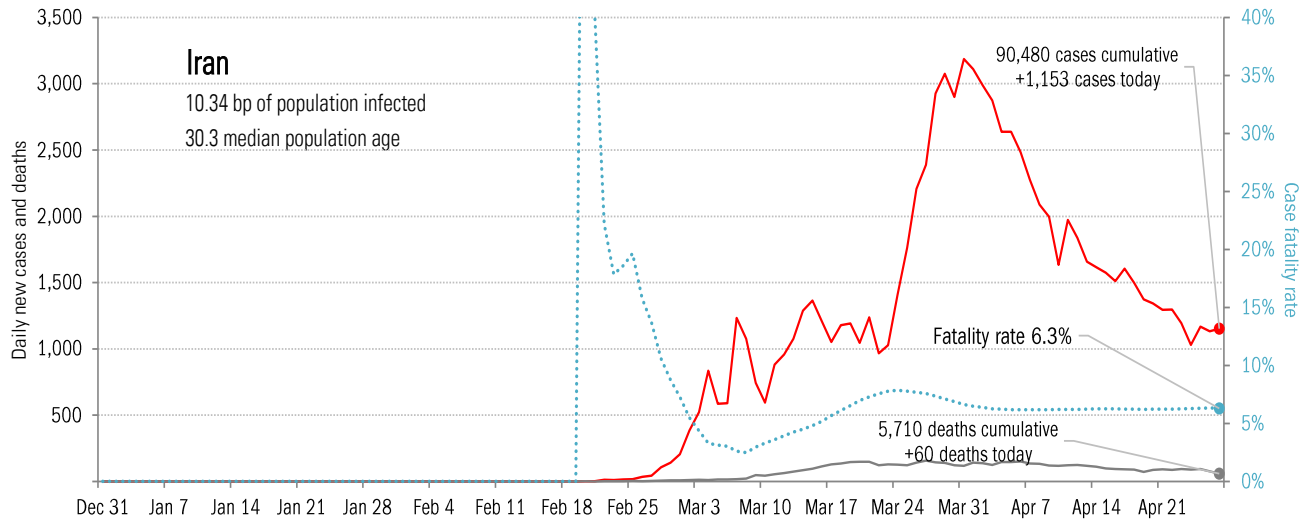
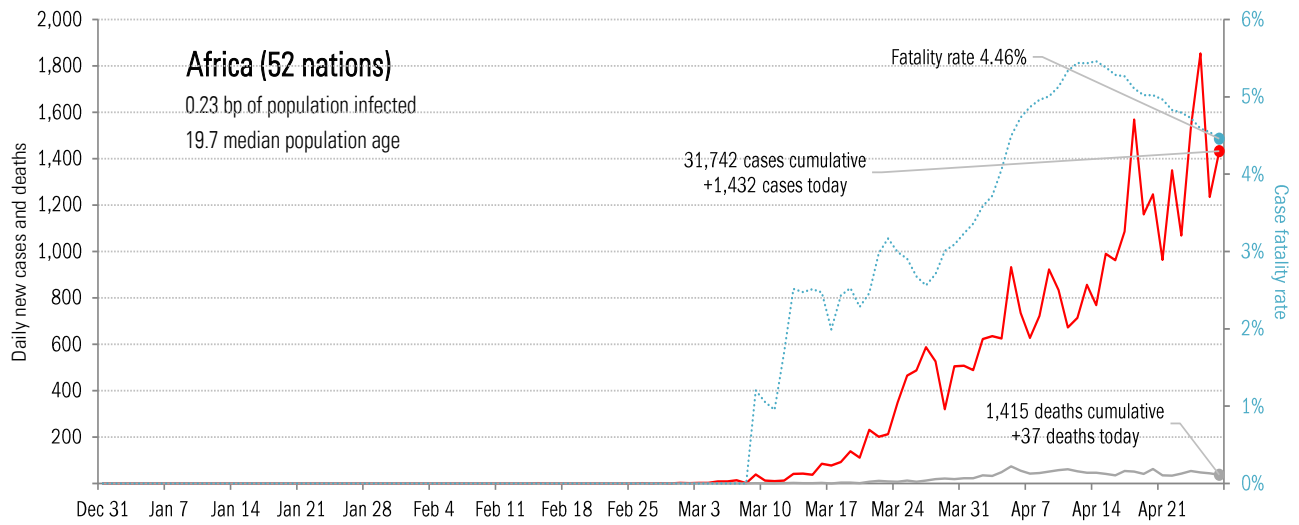
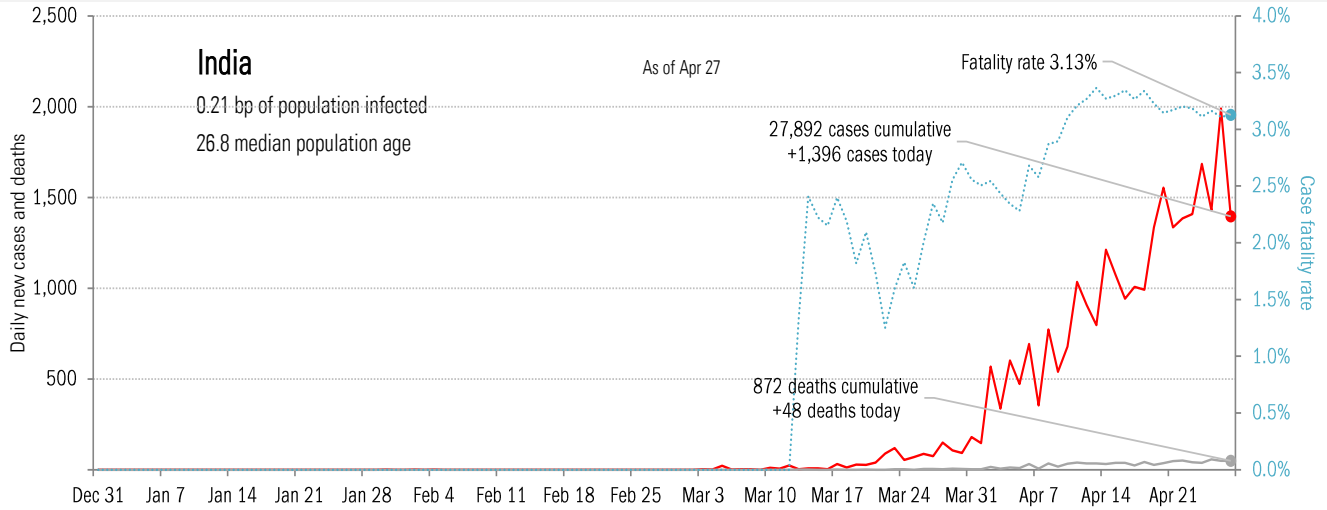
Source: [ECDC](#), TrendMacro calculations

# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

# Impact in the fragile emerging world



Source: [ECDC](#), TrendMacro calculations