

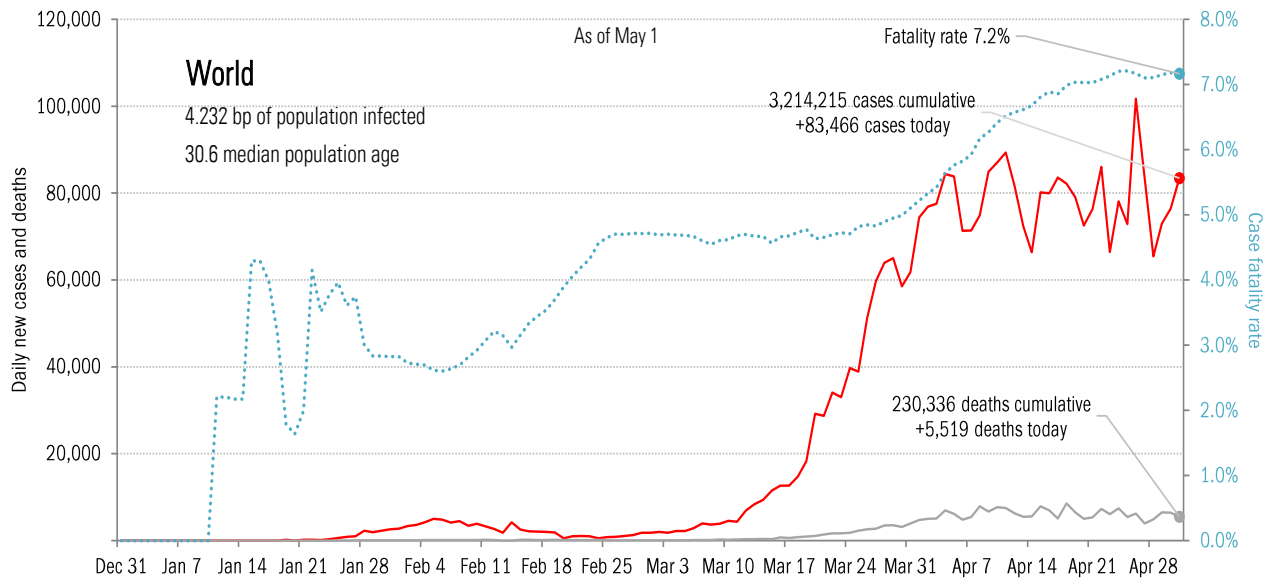
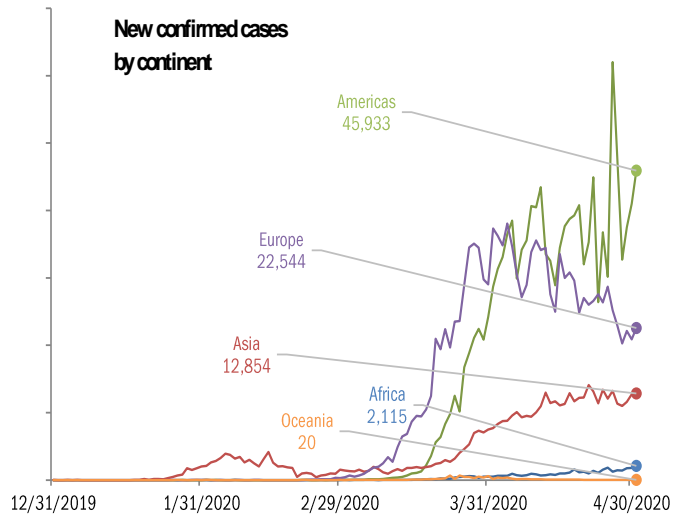
## Data Insights: Covid-2019 Monitor

Friday, May 1, 2020

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
US	+29,917	US	+2,040
Brazil	+7,218	UK	+674
Russia	+7,099	Brazil	+435
UK	+6,032	France	+289
Peru	+3,045	Italy	+285
Turkey	+2,615	Spain	+268
India	+1,993	Canada	+188
Italy	+1,872	Mexico	+127
Canada	+1,649	Sweden	+124
Mexico	+1,425	Peru	+108
<b>+62,865</b>		<b>+4,538</b>	
World	+83,466	World	+5,519
Top ten	75%	Top ten	82%



Source: [ECDC](#), TrendMacro calculations

#### For more information contact us:

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# The US scorecard

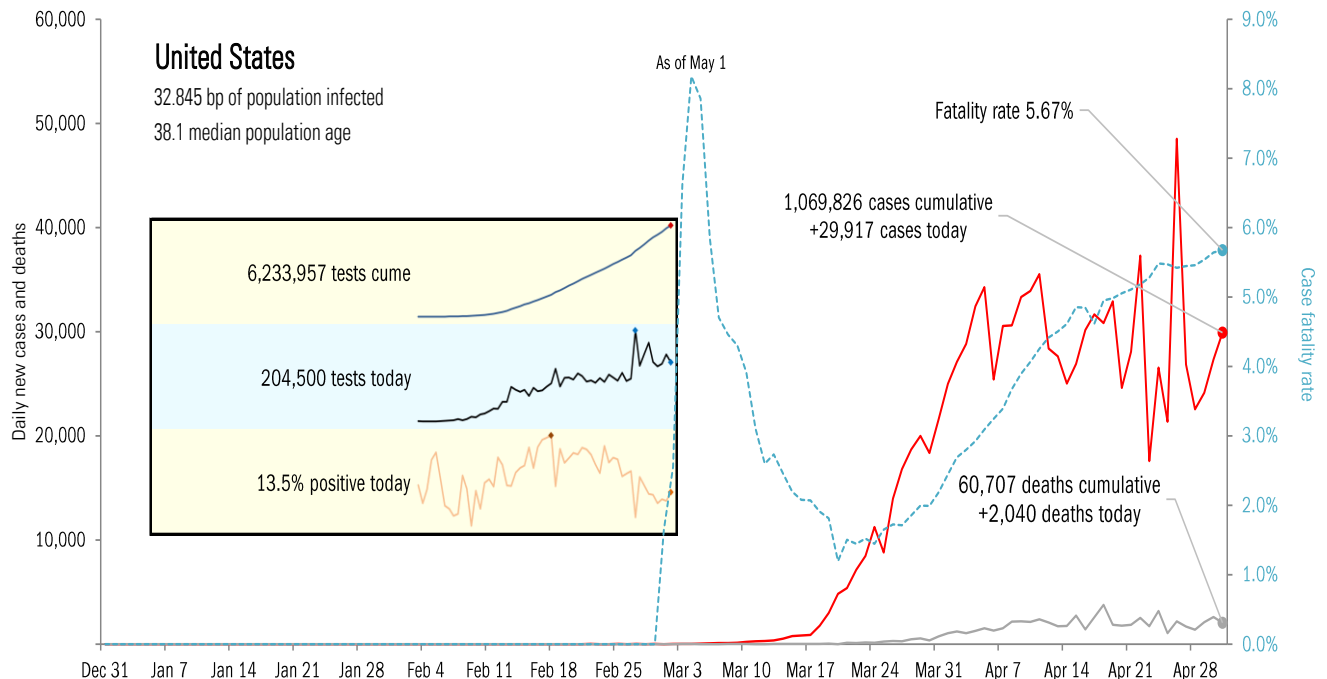
National and state-by-state data do not line up because of different sources

## The ten worst US states

New cases		New Deaths		New in hospital		Cure cases		Cure deaths		Cure in hospital	
NY	+4,681	NJ	+458	NY	+972	NY	304,372	NY	18,321	NY	66,369
IL	+2,563	NY	+306	MA	+184	NJ	118,652	NJ	7,228	MA	5,942
CA	+2,417	MA	+157	FL	+171	MA	62,205	MI	3,789	FL	5,795
NJ	+2,388	IL	+140	MD	+157	IL	52,918	MA	3,562	GA	5,156
MA	+1,940	MI	+119	RI	+146	CA	48,917	IL	2,355	MD	4,559
PA	+1,397	PA	+97	OH	+112	PA	45,763	PA	2,292	VA	3,654
MI	+980	CA	+95	GA	+100	MI	41,379	CT	2,257	OH	3,533
CT	+933	CT	+89	MN	+94	FL	33,690	CA	1,982	CO	2,621
MD	+893	MD	+62	MS	+49	LA	28,001	LA	1,862	WI	1,512
VA	+885	FL	+50	VA	+46	CT	27,700	FL	1,290	KY	1,359
<b>+19,077</b>		<b>+1,573</b>		<b>+2,031</b>		<b>763,597</b>		<b>44,938</b>		<b>100,500</b>	
All states	+27,944	All states	+2,041	All states	+2,265	All states	1,061,101	All states	57,266	All states	111,955
Top ten	68%	Top ten	77%	Top ten	90%	Top ten	72%	Top ten	78%	Top ten	90%

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-883	PA	-382	AR	-376	WI	+3,352
CO	-833	IN	-115	FL	-187	NY	+1,533
CH	-451	CH	-100	GA	-142	IA	+269
GA	-374	MA	-95	VA	-140	UT	+149
TN	-314	NY	-71	TN	-119	CO	+140



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

## Recommended reading

### [Trump says he is confident Covid-19 came from Wuhan lab](#)

Demetri Sevastopulo and Katrina Manson  
*Financial Times*  
May 1, 2020

### [The Possible Role of Vitamin D in Suppressing Cytokine Storm and Associated Mortality in COVID-19 Patients](#)

Ali Daneshkhah et al.  
*medRxiv*  
April 30, 2020

### [Vitamin D Insufficiency is Prevalent in Severe COVID-19](#)

Frank H. Lau et al.  
*medRxiv*  
April 28, 2020

### [US doctors claim that Trump's controversial hydroxychloroquine drug DOES help 91% of coronavirus patients and argue we should not wait for 'controlled trials'](#)

Natalie Rahhal  
*Daily Mail*  
April 29, 2020

### [Children and COVID-19](#)

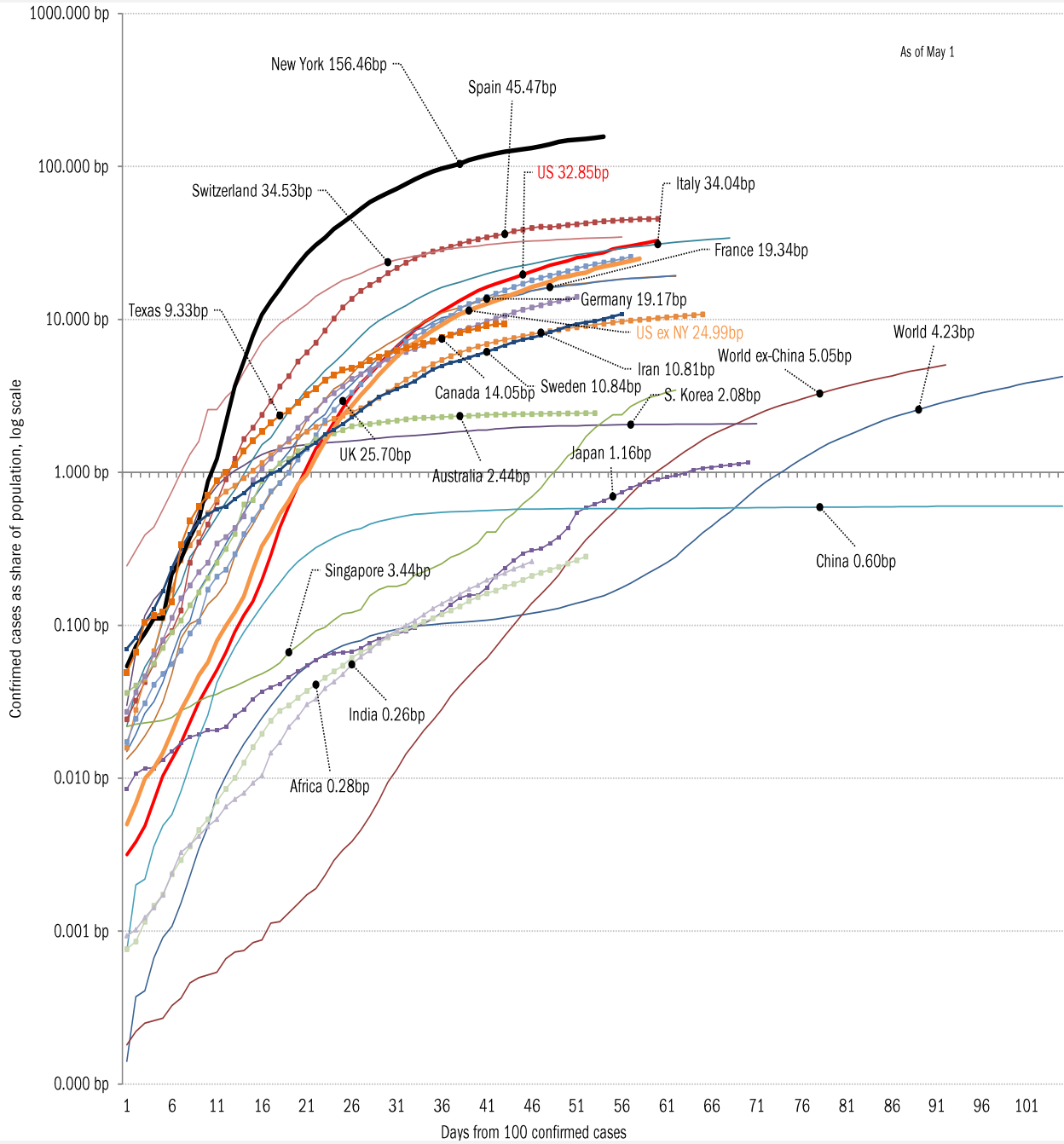
*National Institute for Public Health and the Environment*  
*Ministry of Health Welfare and Sport*  
April 29, 2020

## Meme of the day



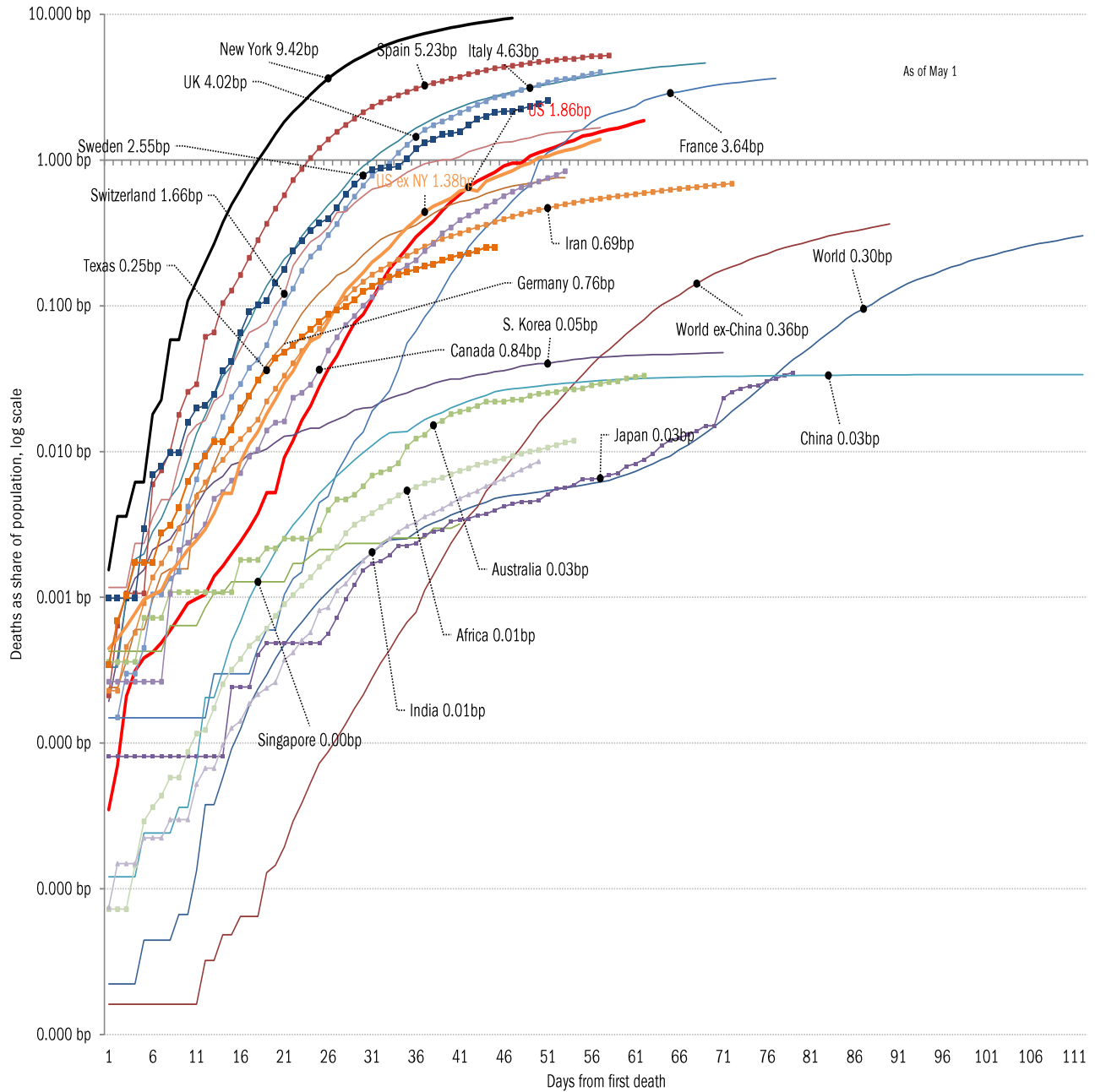
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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*



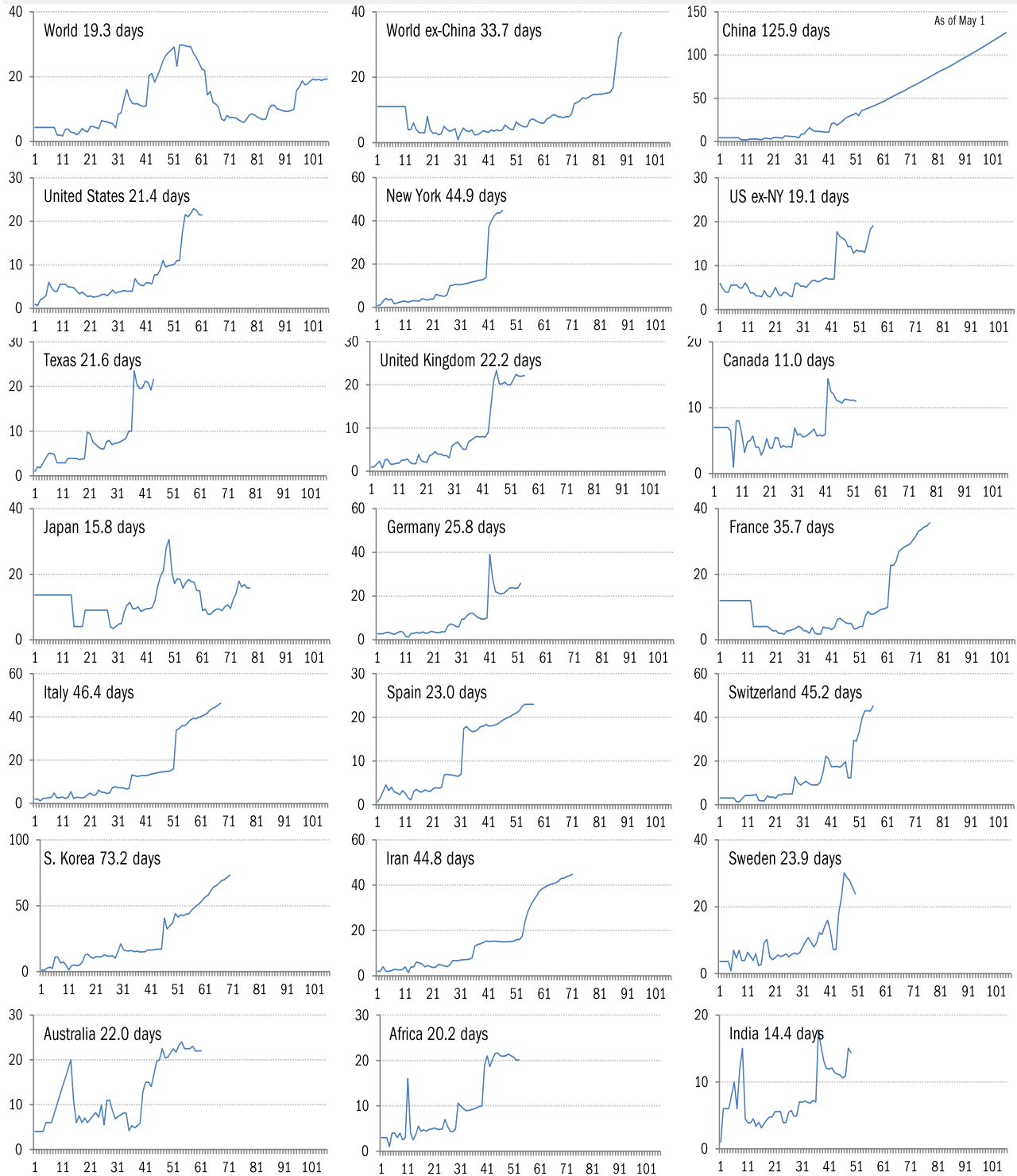
Source: [ECDC](#), TrendMacro calculations

# 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*

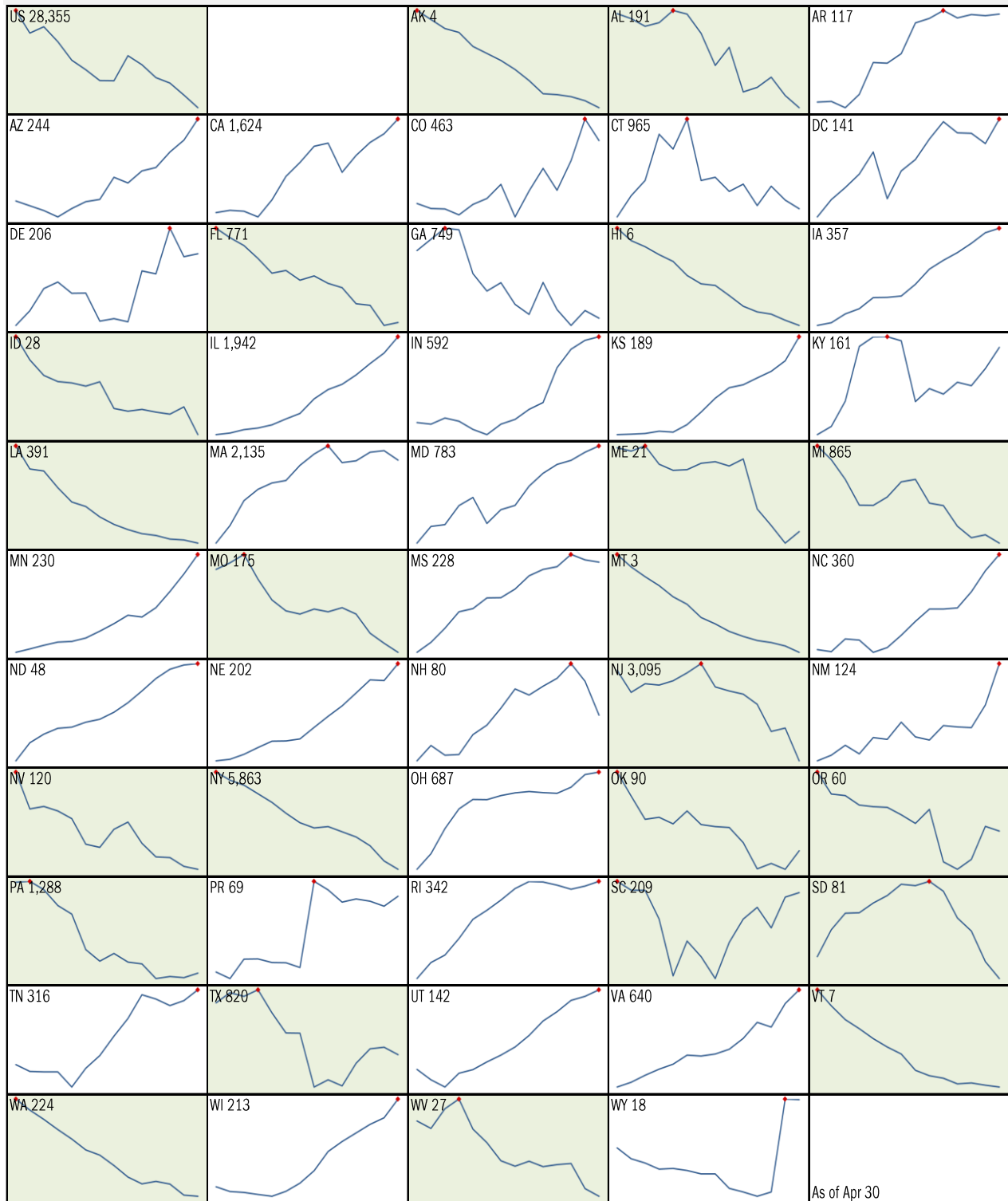
Progress means seeing the line move up and to the right. . .

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



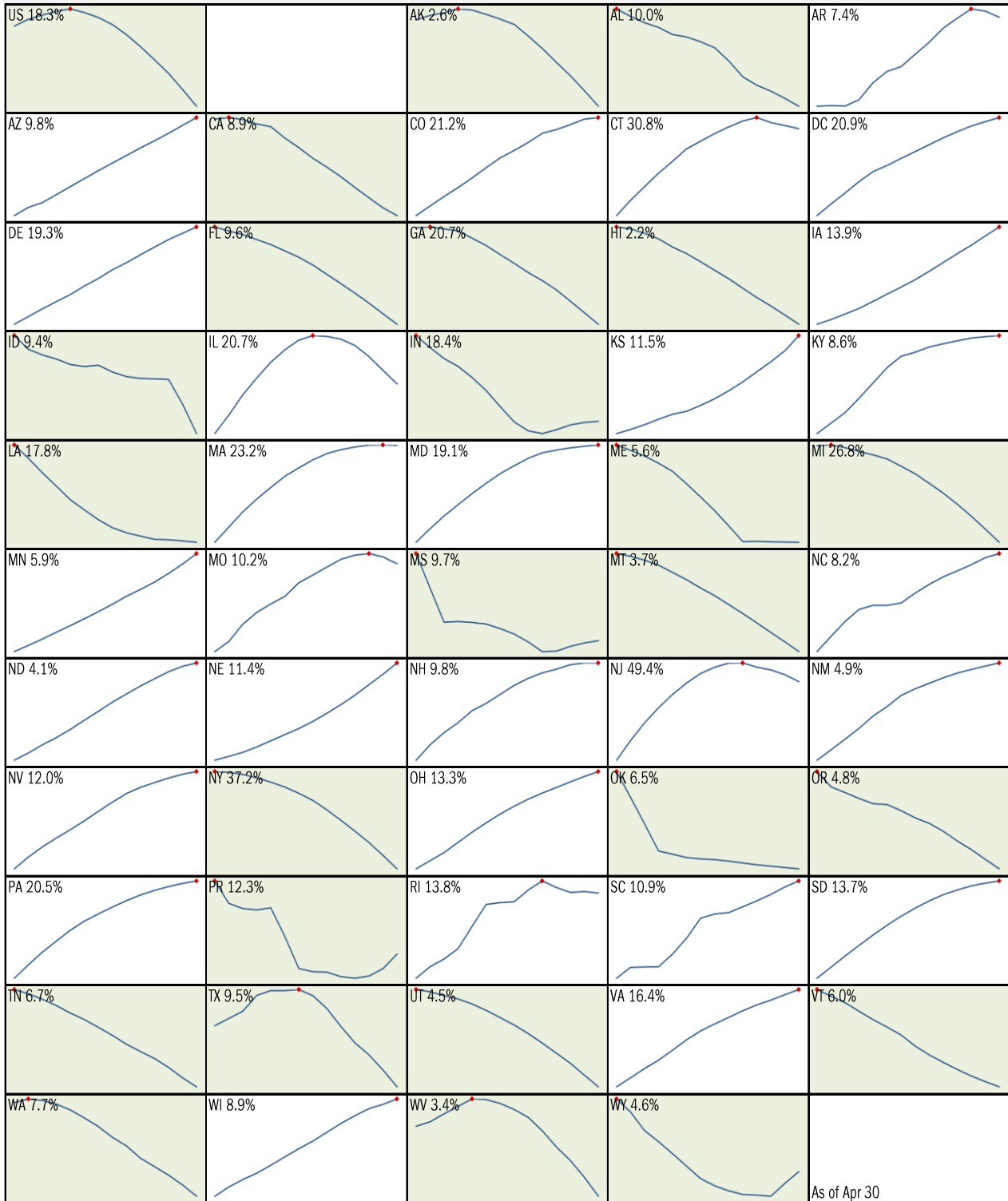
Source: [ECDC](#), TrendMacro calculations

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

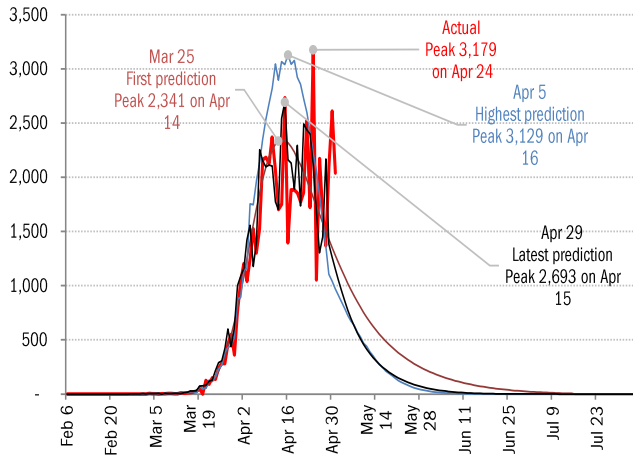


# Reality-checking the models: actuals versus [IHME predictions](#)

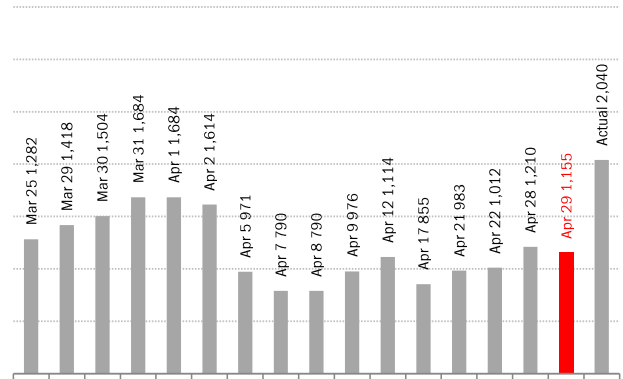
## New daily fatalities

As of May 1

Actual versus first, highest and latest model mean predictions

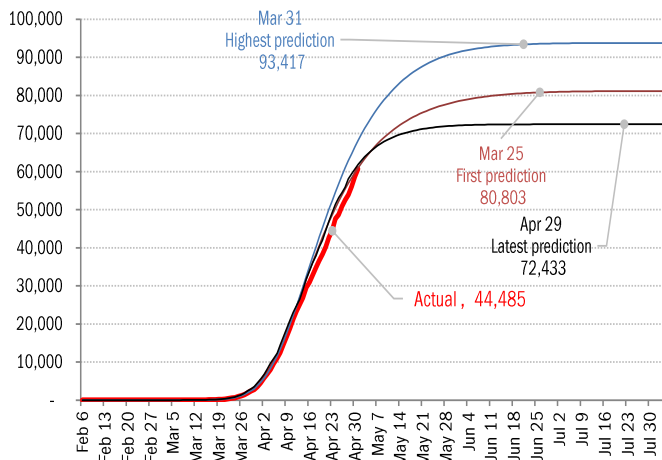


For this day, versus all model mean predictions

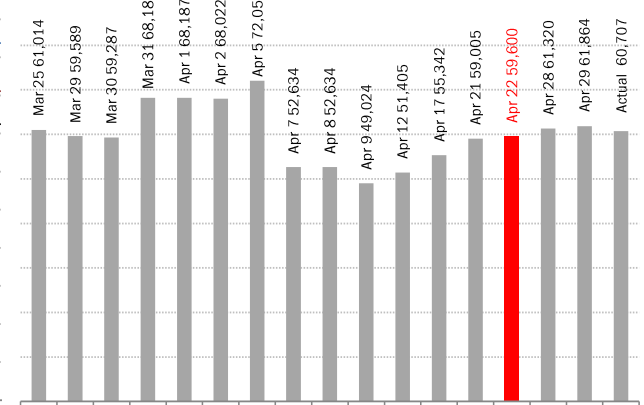


## Cumulative fatalities

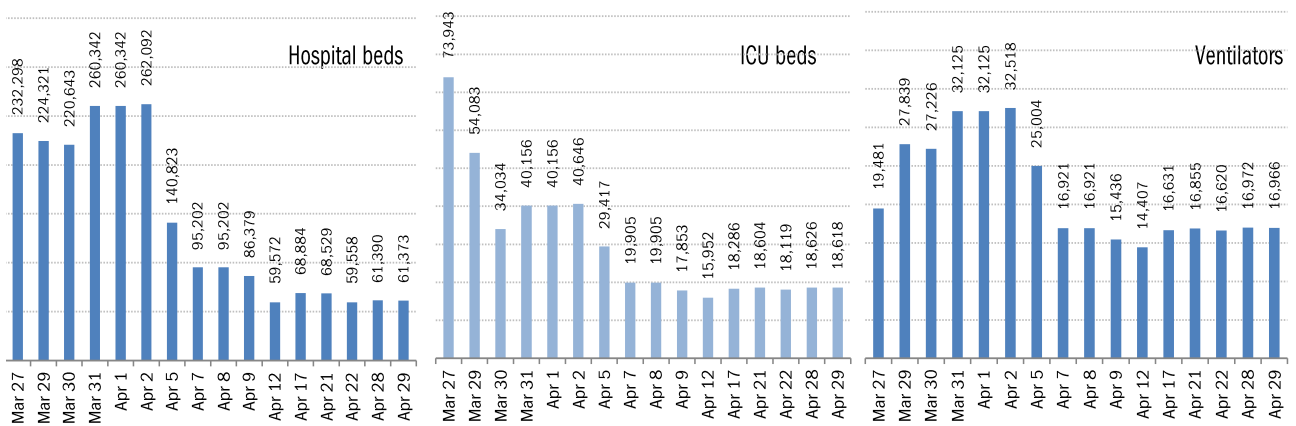
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

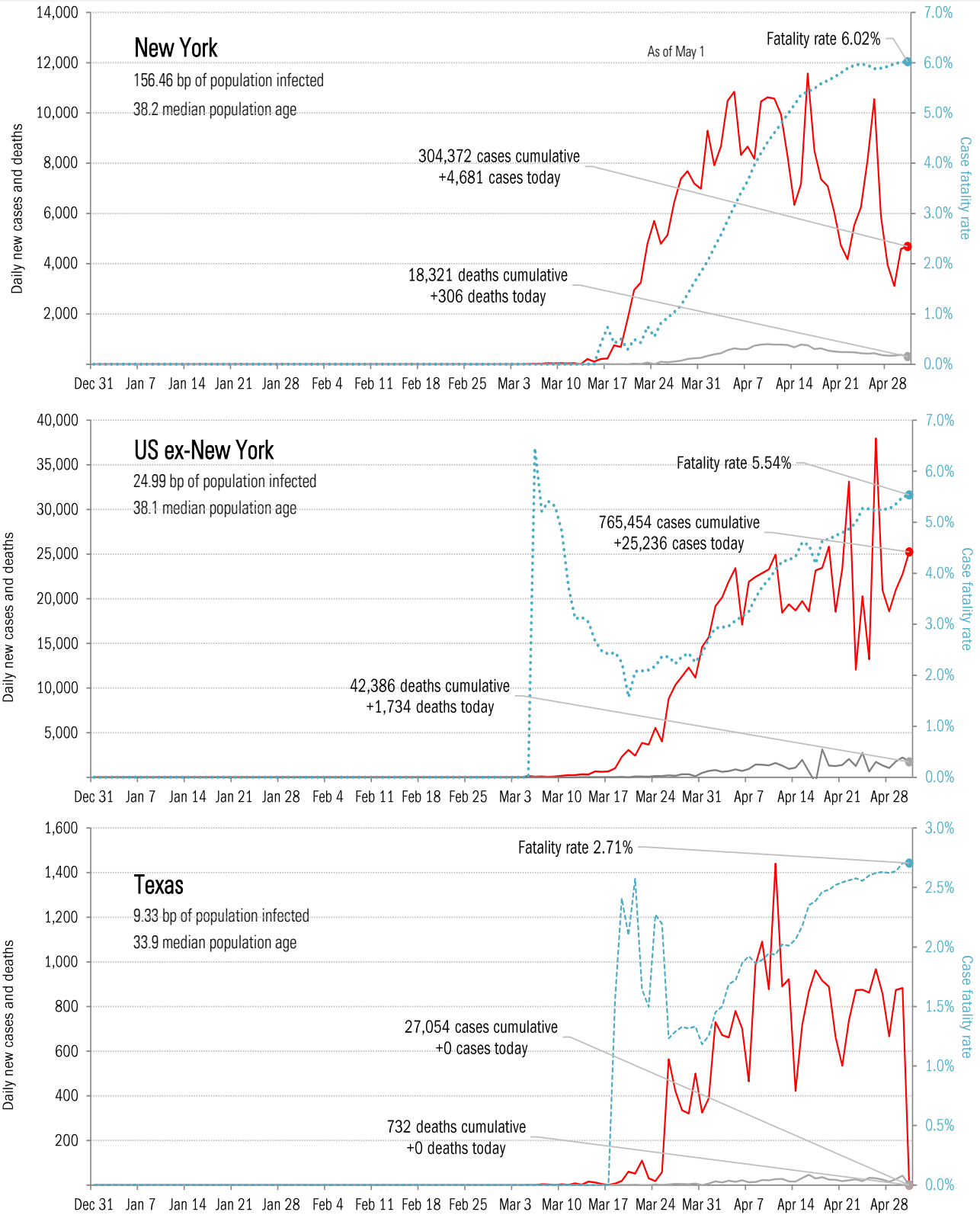


## Healthcare system stress, peak estimated at each model revision



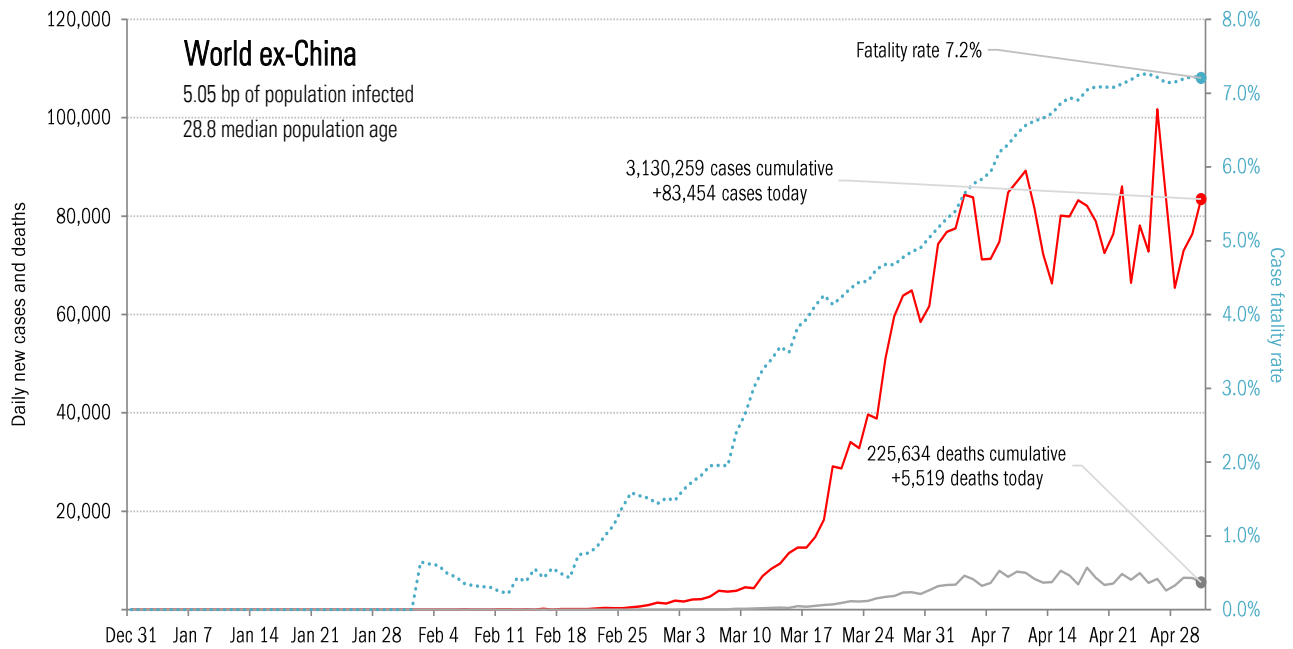
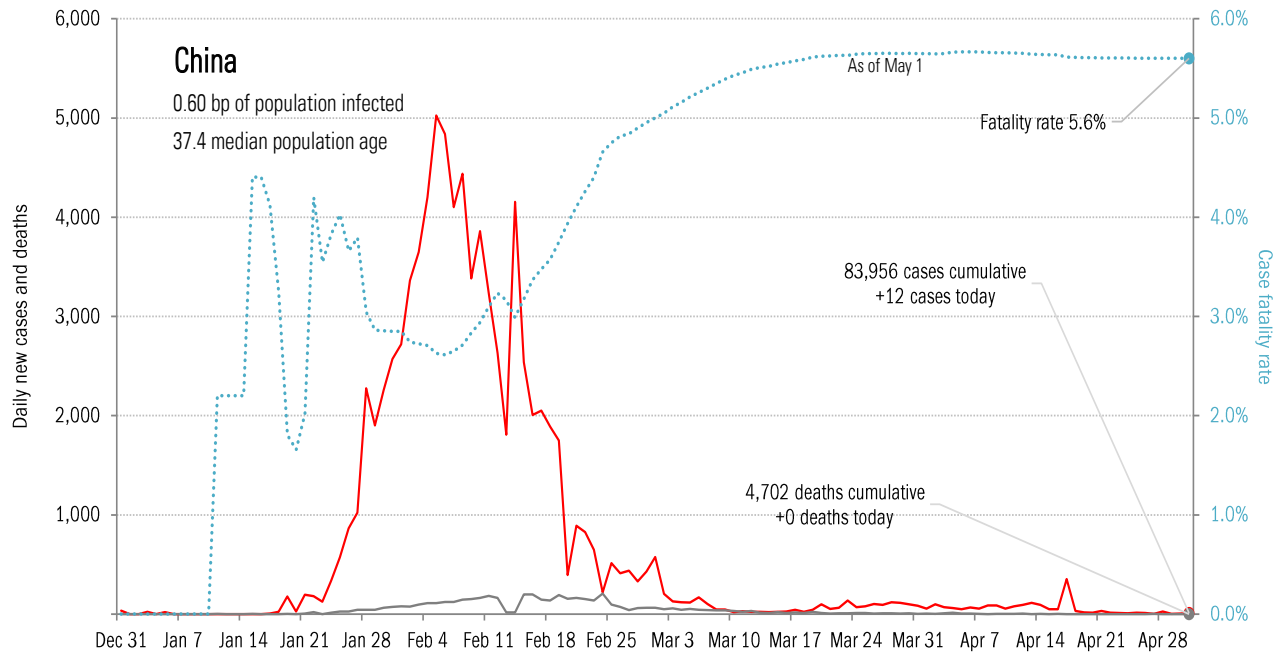
Source: [ECDC](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



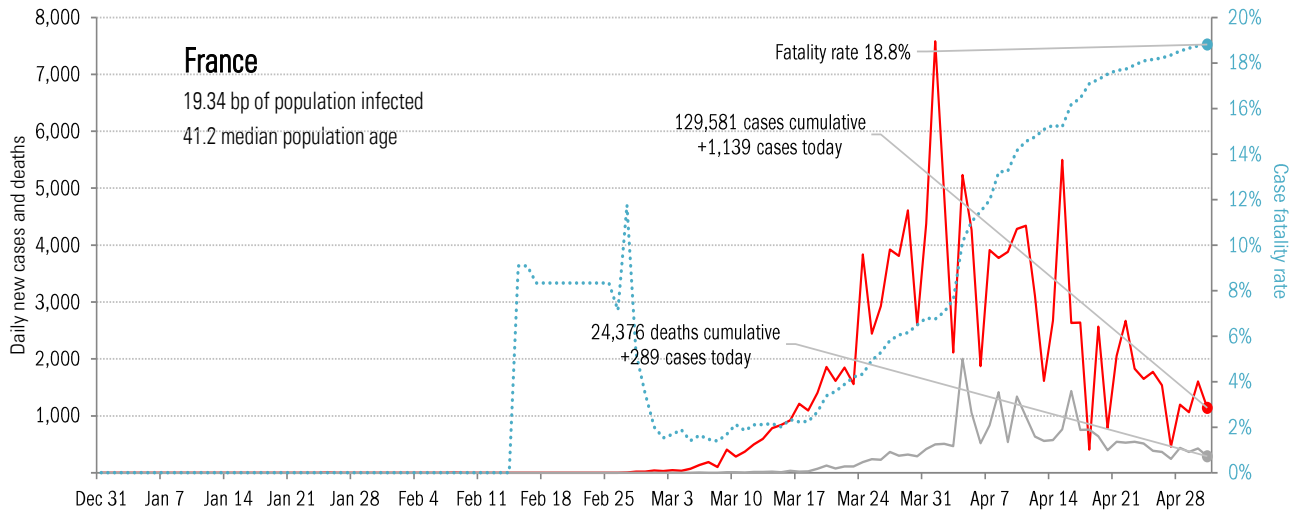
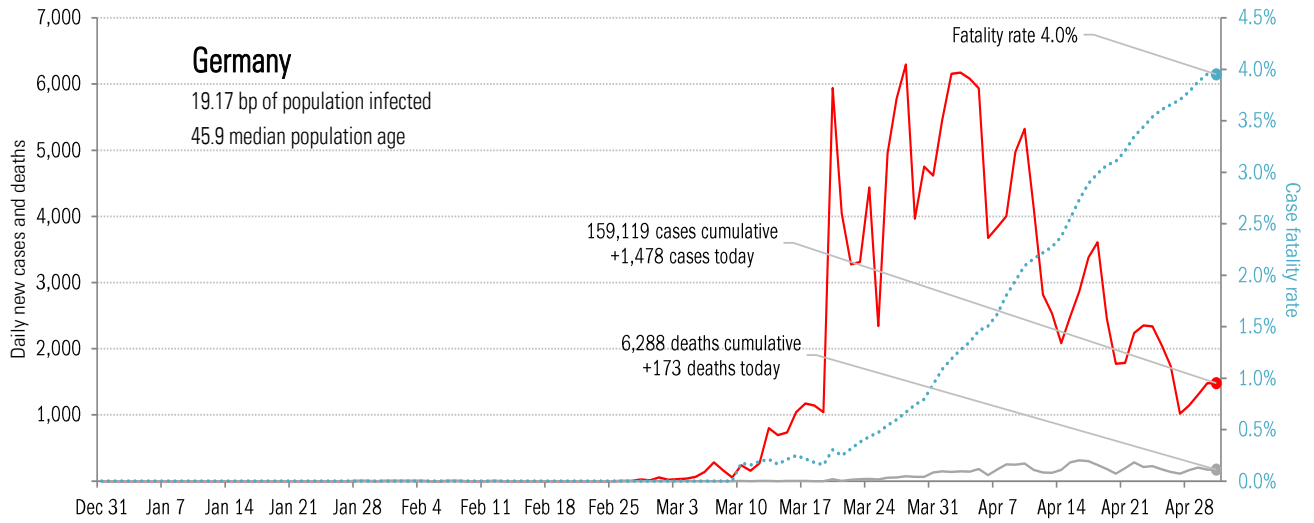
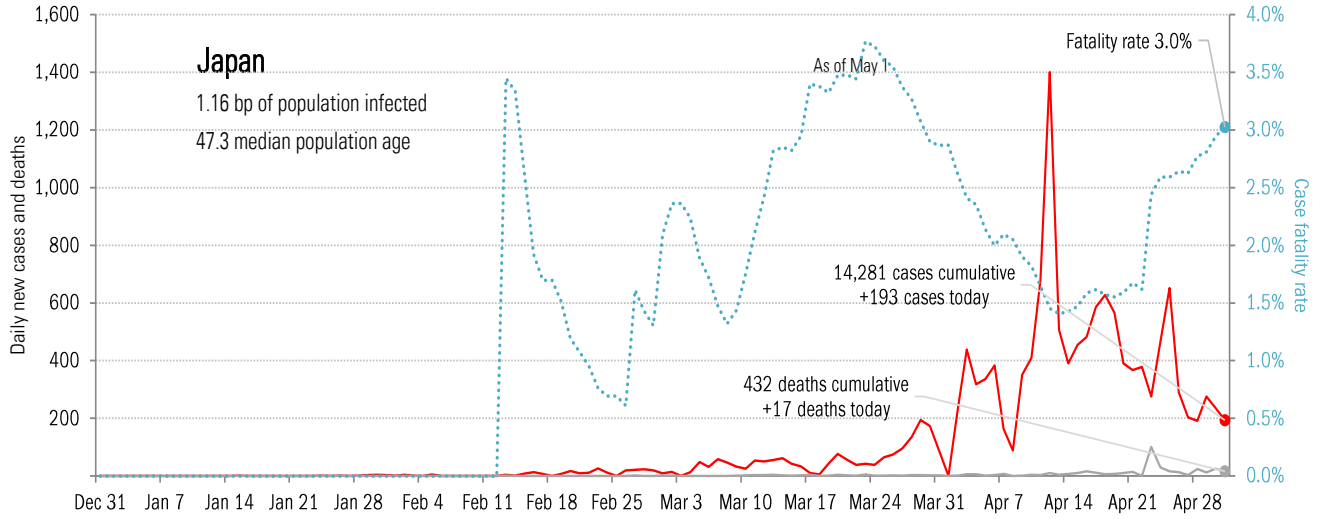
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



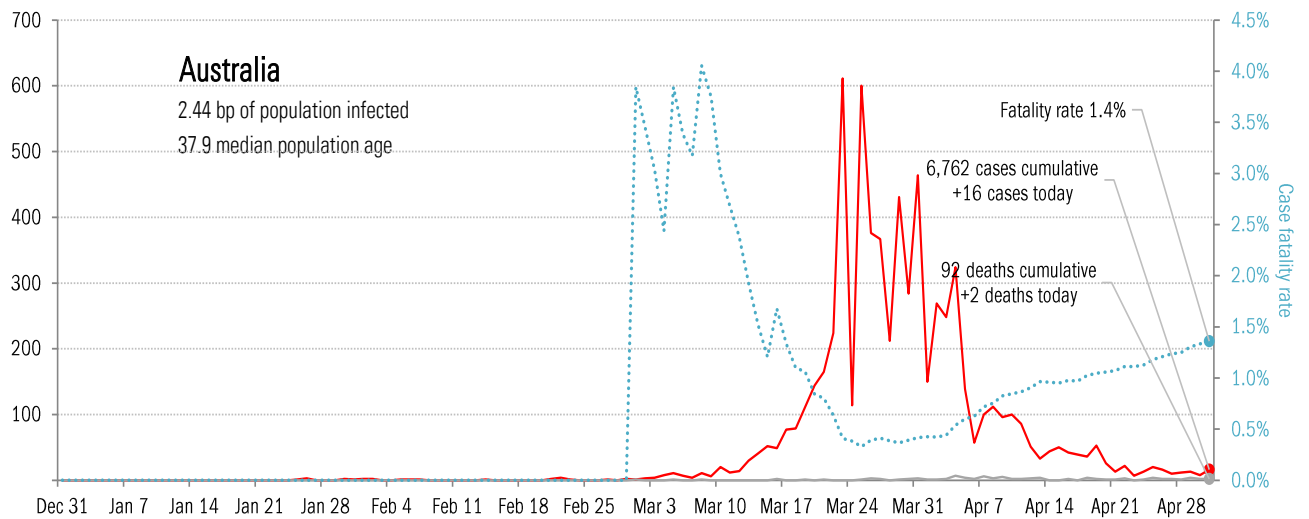
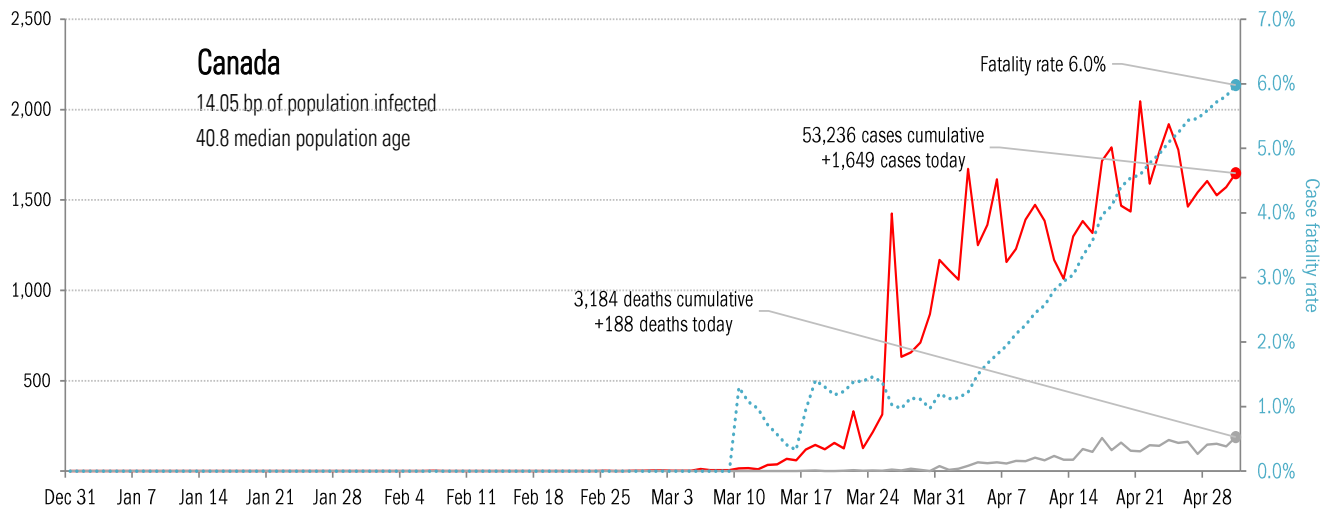
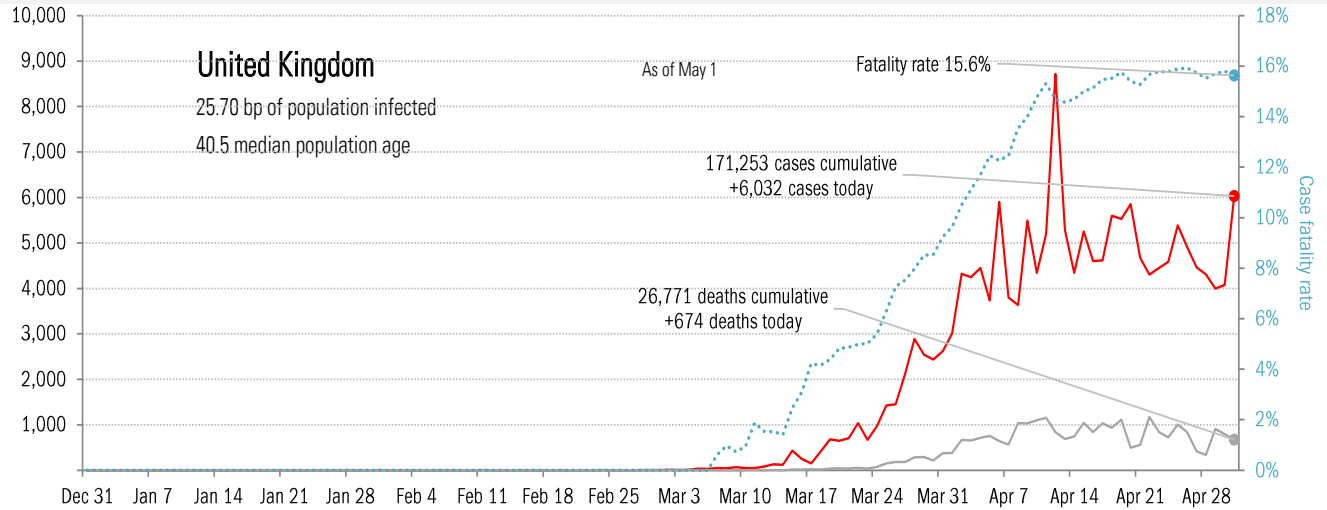
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



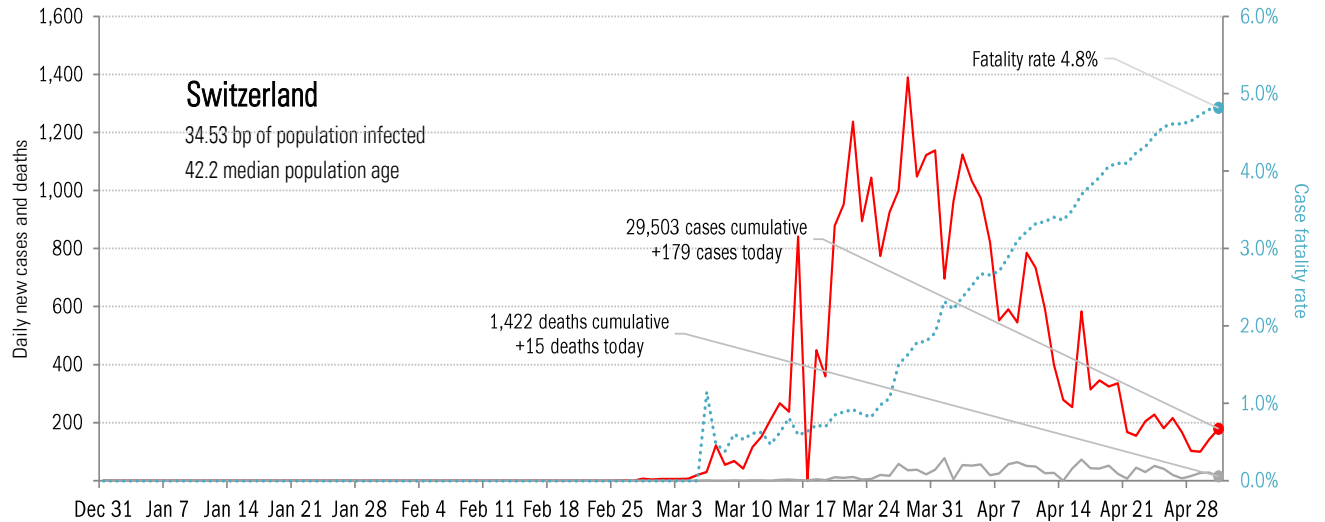
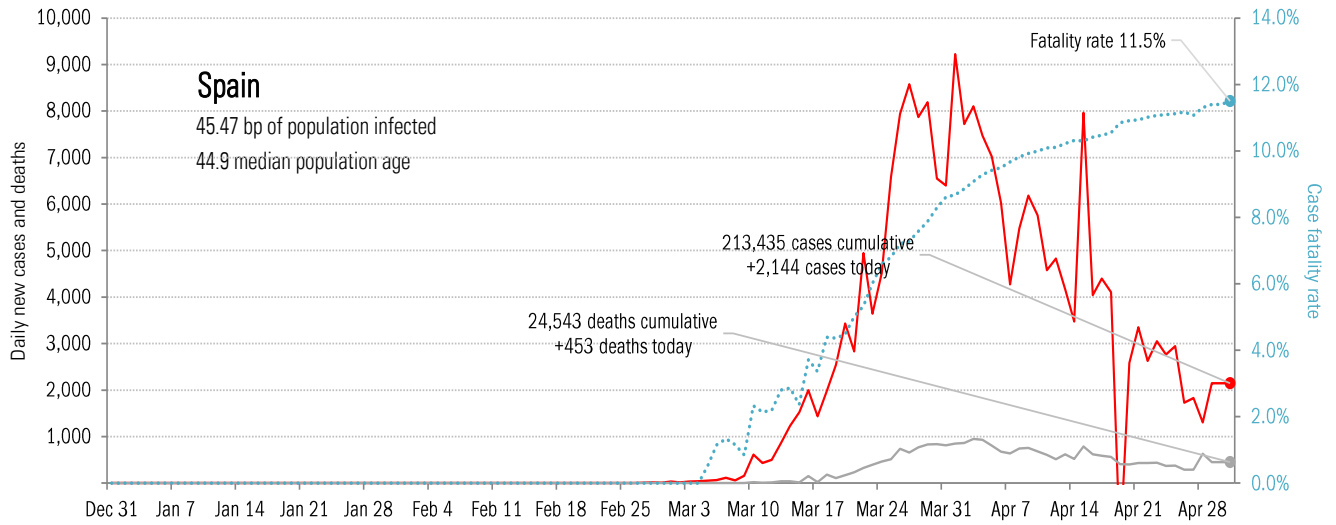
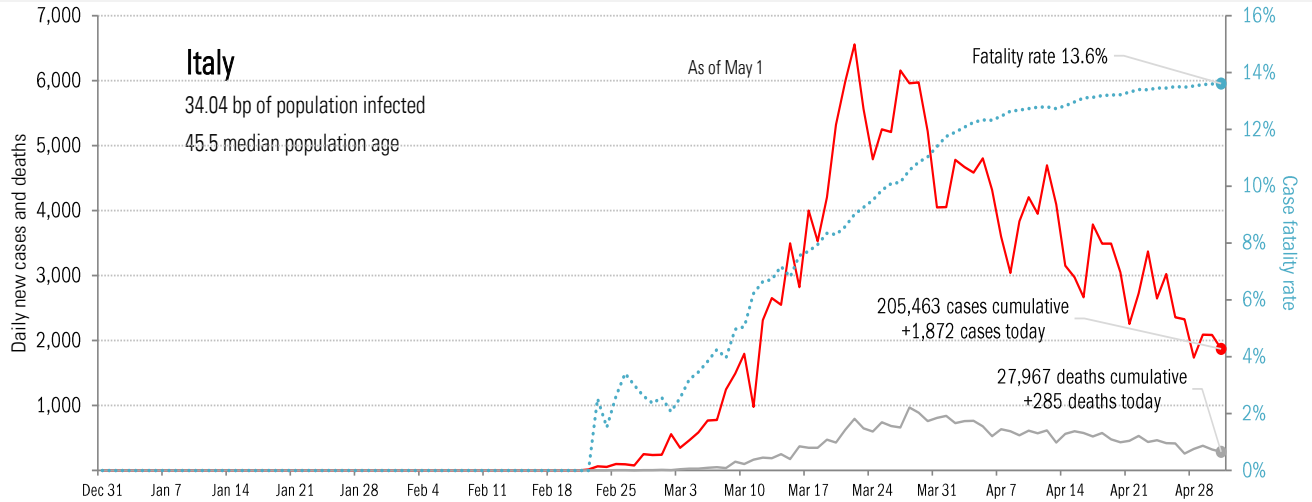
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



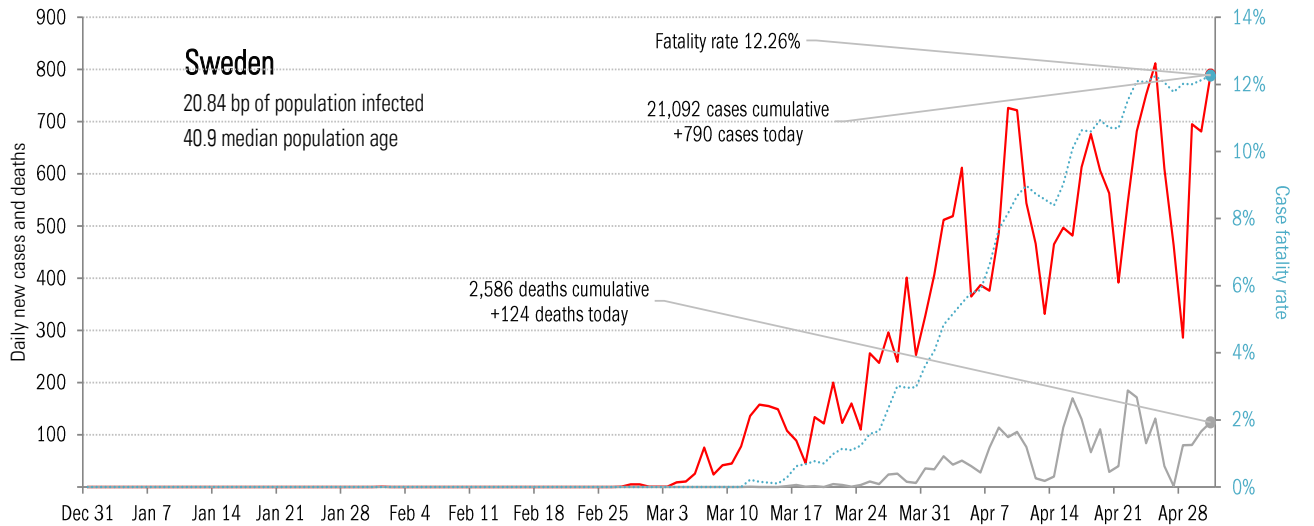
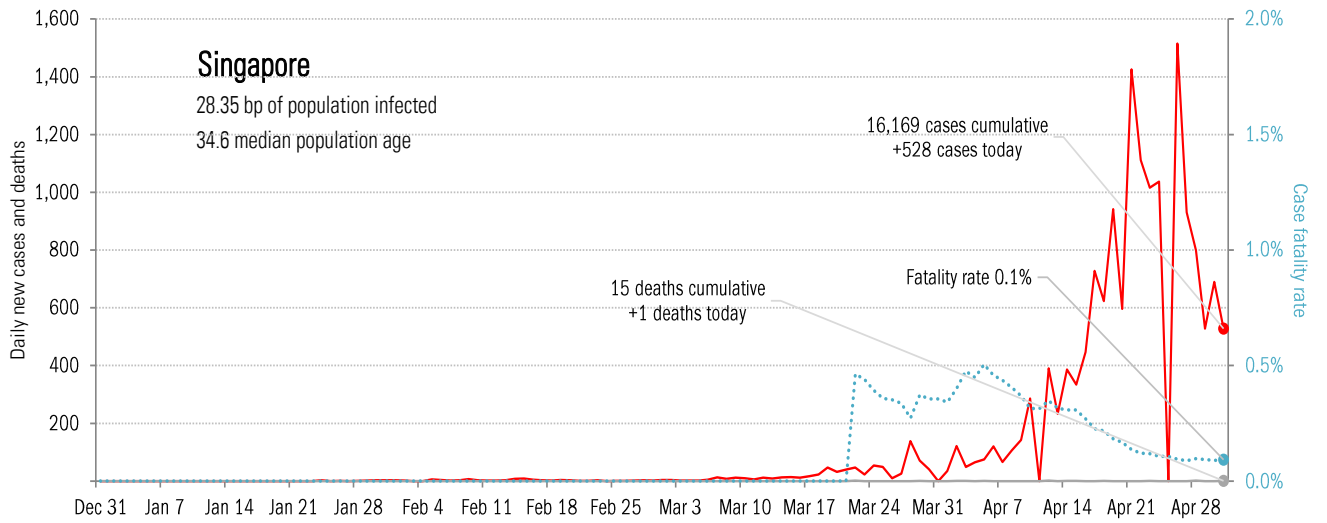
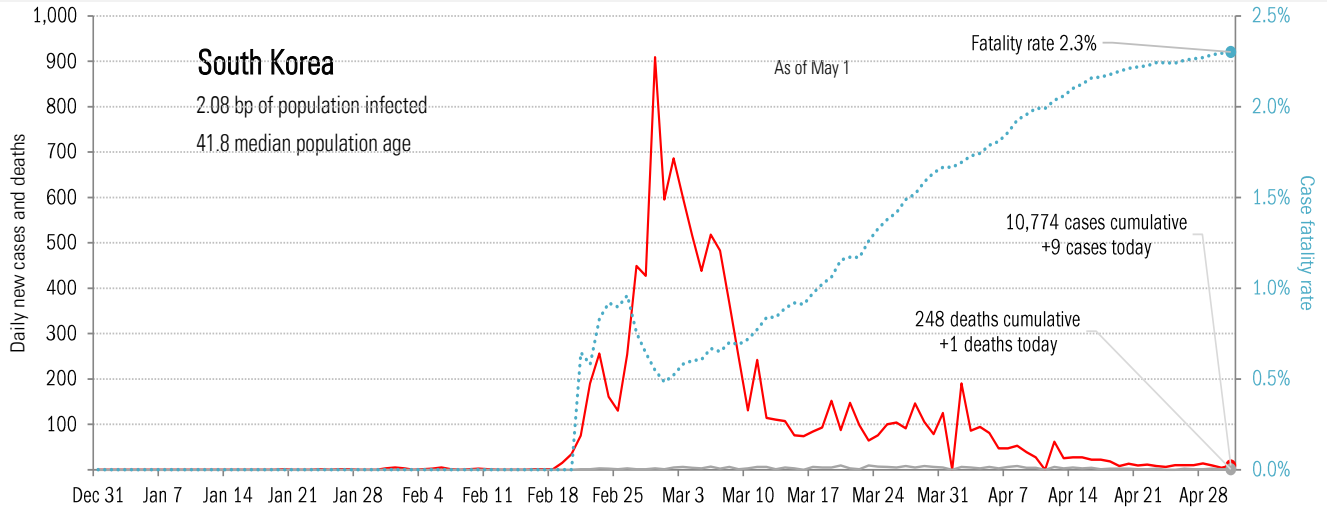
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



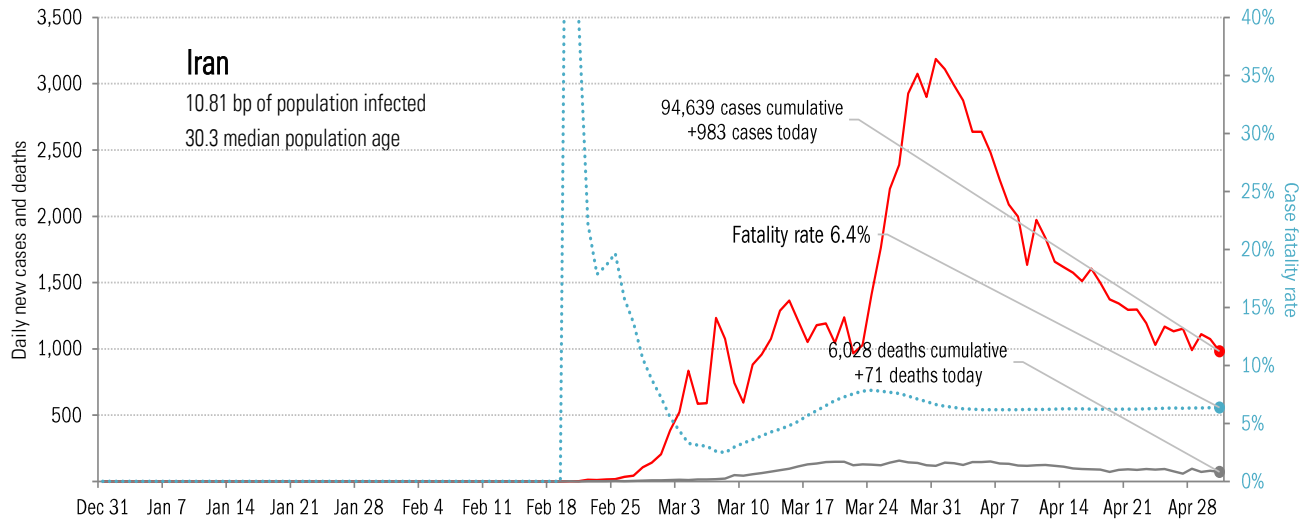
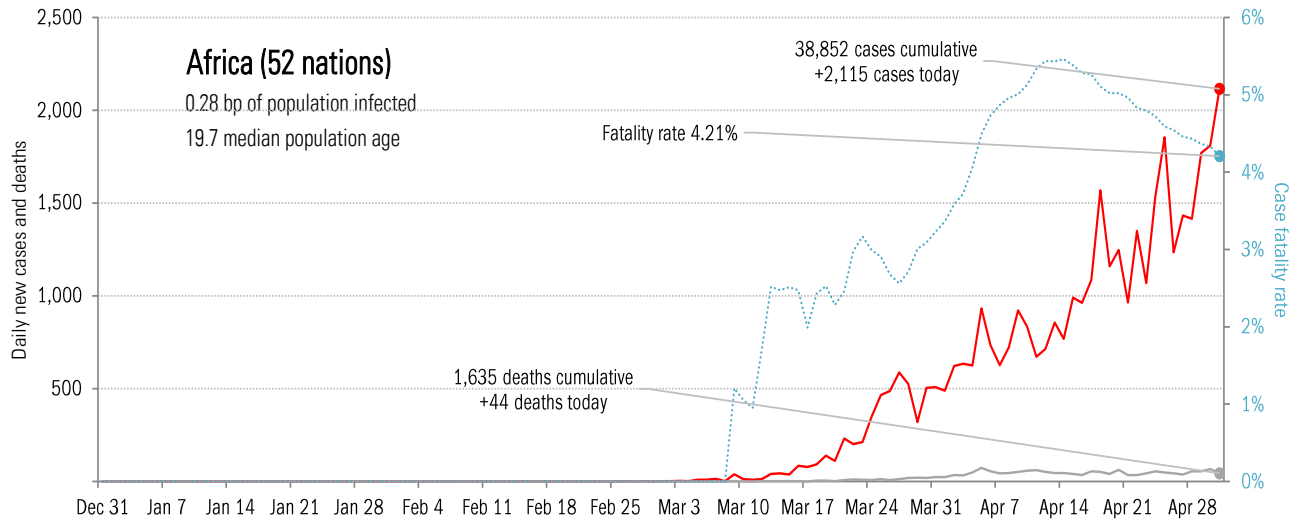
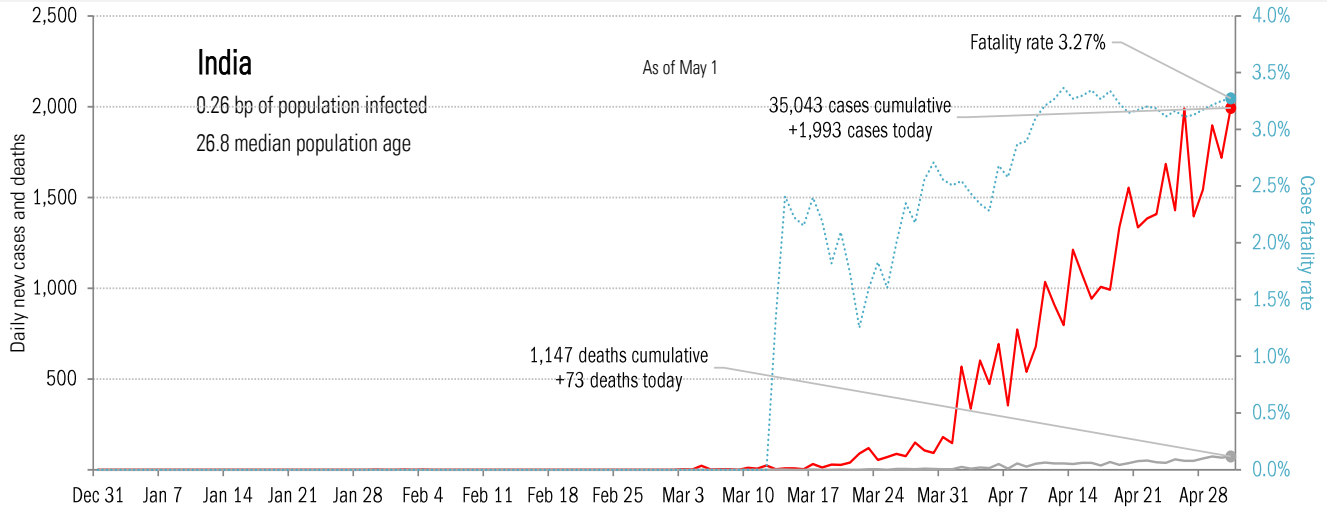
Source: [ECDC](#), TrendMacro calculations

# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

# Impact in the fragile emerging world



Source: [ECDC](#), TrendMacro calculations