

## Data Insights: Covid-2019 Monitor

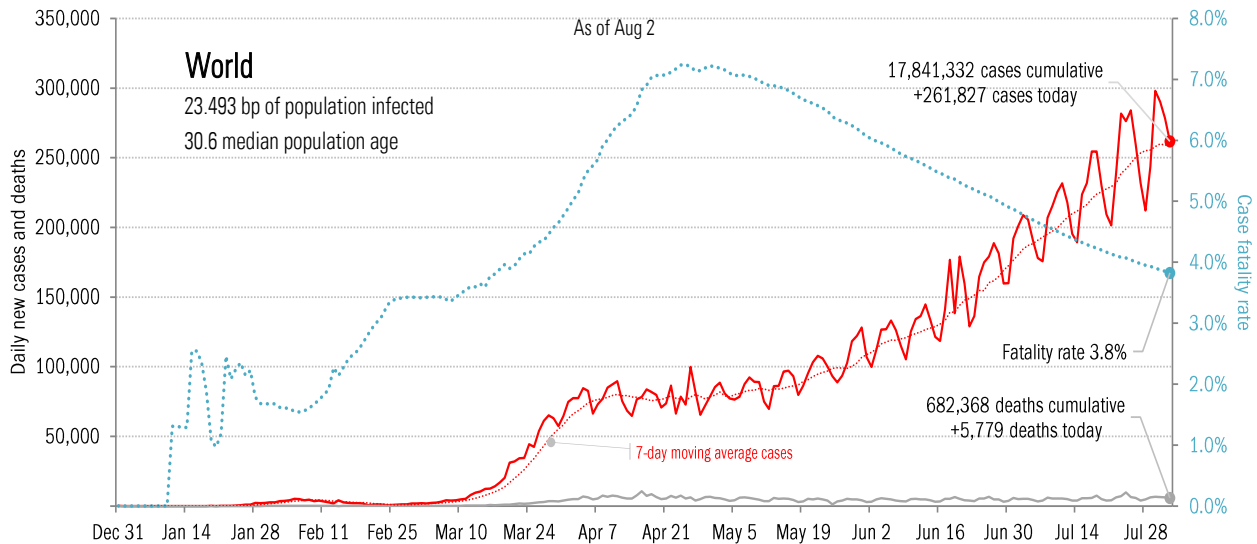
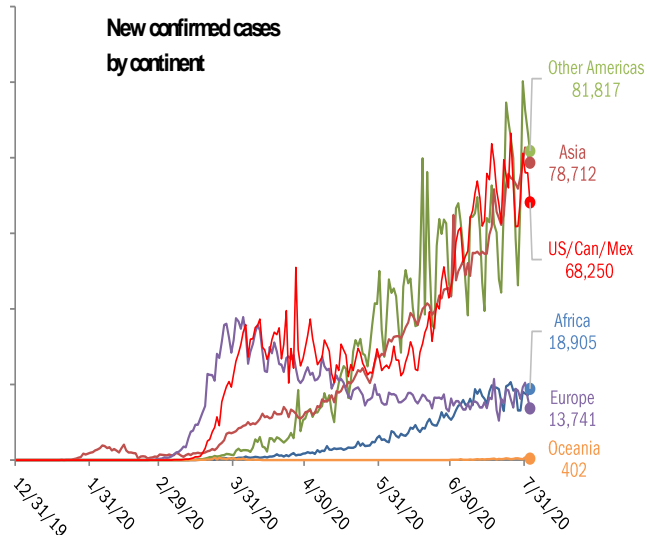
Sunday, August 2, 2020

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
US	+58,407	US	+1,133
India	+54,735	Brazil	+1,088
Brazil	+45,392	India	+853
Colombia	+10,673	Mexico	+784
South_Africa	+10,107	Colombia	+225
Mexico	+9,556	Iran	+216
Peru	+7,448	Peru	+191
Argentina	+5,929	South_Africa	+148
Russia	+5,462	Russia	+95
Philippines	+4,878	Argentina	+92
<b>+212,587</b>		<b>+4,825</b>	
World	+261,827	World	+5,779
Top ten	81%	Top ten	83%

#### New confirmed cases by continent



Source: [ECDC](https://ecdc.europa.eu/en), 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

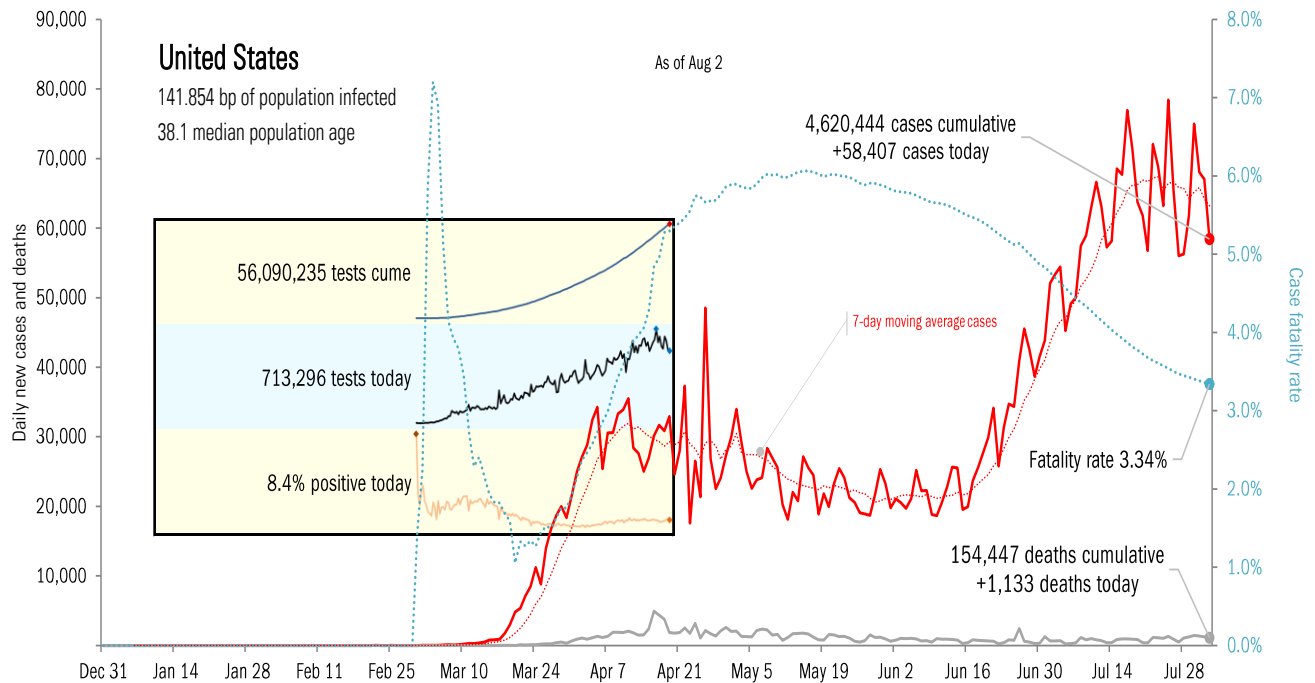
National and state-by-state data do not line up because of different sources

## The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
FL	+9,642	TX	+268	KY	+468	CA	500,130	NY	25,164	NY	89,995
TX	+9,539	CA	+219	FL	+439	FL	480,028	NJ	15,830	FL	27,344
CA	+6,542	FL	+178	SC	+410	TX	430,485	CA	9,224	NJ	21,565
GA	+3,660	GA	+73	GA	+306	NY	415,767	MA	8,609	GA	18,995
AZ	+2,992	AZ	+53	AZ	+86	GA	190,012	IL	7,700	VA	13,263
TN	+2,225	VA	+41	MD	+79	NJ	182,029	PA	7,204	MD	12,672
NC	+1,730	NC	+40	CH	+67	IL	181,757	FL	7,144	MA	11,908
IL	+1,639	SC	+39	OK	+67	AZ	177,002	TX	6,837	AZ	11,346
AL	+1,626	MS	+30	TN	+63	NC	123,878	MI	6,457	CH	10,857
SC	+1,583	CH	+26	IN	+54	MA	117,612	CT	4,432	CT	10,807
<b>+41,178</b>		<b>+967</b>		<b>+2,039</b>		<b>2,798,700</b>		<b>98,601</b>		<b>228,752</b>	
All states	+60,264	All states	+1,172	All states	+2,296	All states	4,595,871	All states	146,619	All states	310,384
Top ten	68%	Top ten	83%	Top ten	89%	Top ten	61%	Top ten	67%	Top ten	74%

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
LA	-1,799	FL	-79	AL	-451	TX	+9,413
CA	-1,544	NV	-27	VA	-194	MI	+2,520
KS	-942	TX	-27	AR	-105	PA	+1,795
TN	-863	LA	-24	WA	-92	CH	+1,531
WA	-818	MS	-22	FL	-80	TN	+1,294



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

## Recommended reading

### [Aboard the Diamond Princess, a Case Study in Aerosol Transmission](#)

Benedict Carey and James Glanz  
*New York Times*  
July 30, 2020

### [Covid-19 outbreak hits Arctic expedition cruise](#)

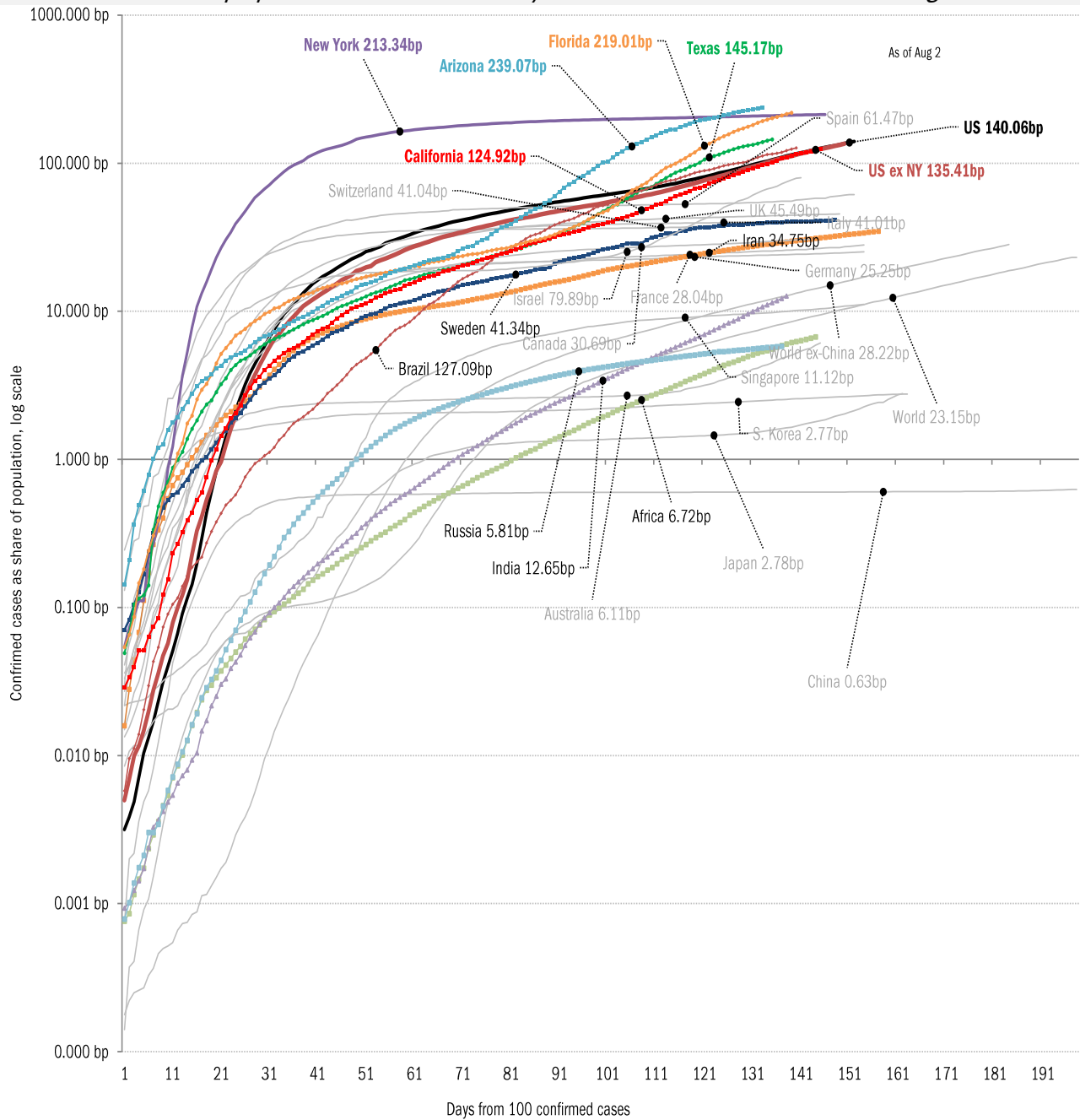
Richard Milne  
*Financial Times*  
August 2, 2020

## Meme of day



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

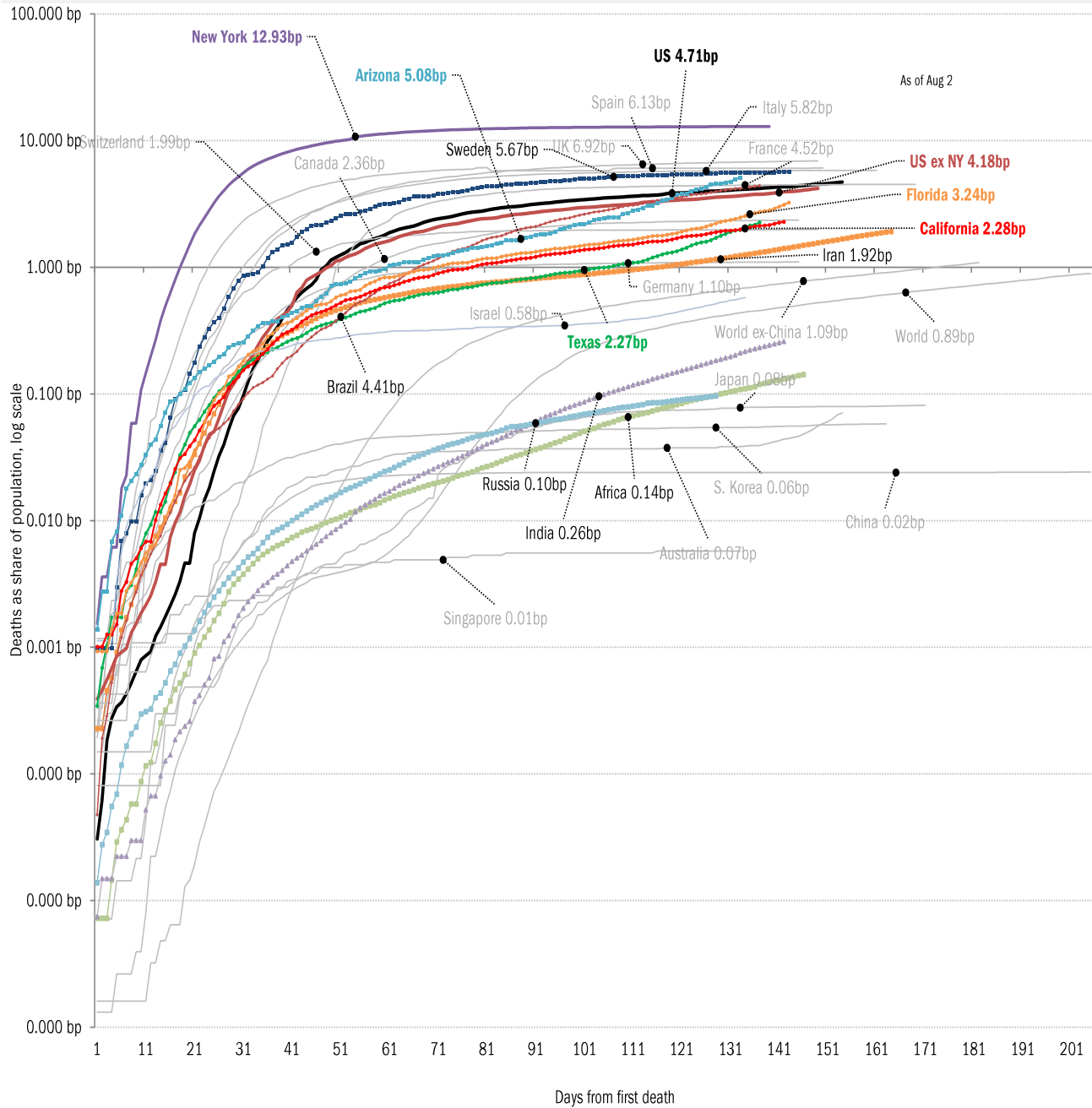
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [ECDC](#), TrendMacro calculations

# The coronavirus mortality accelerometer ... tracking the world's fatality curves

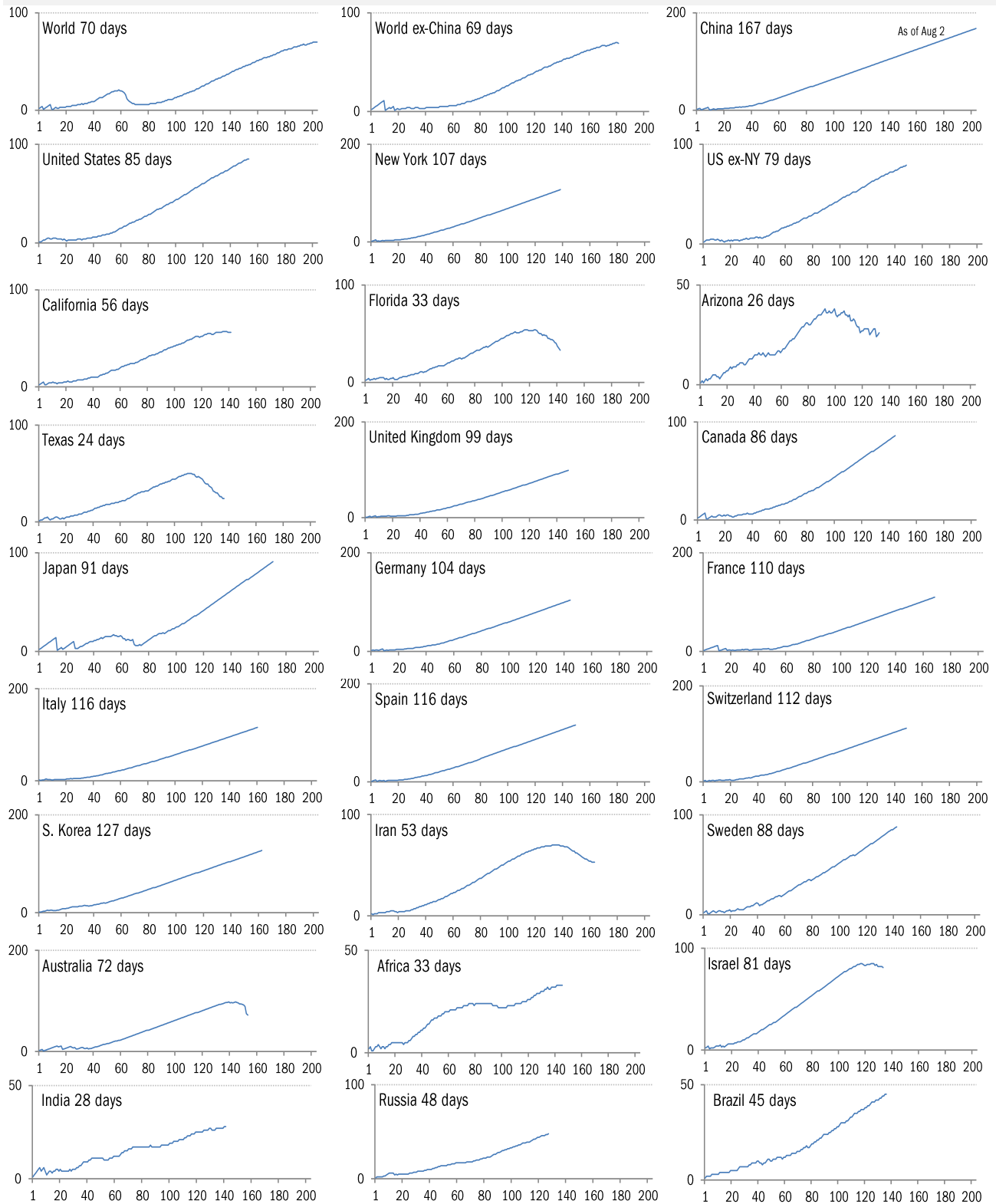
## Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

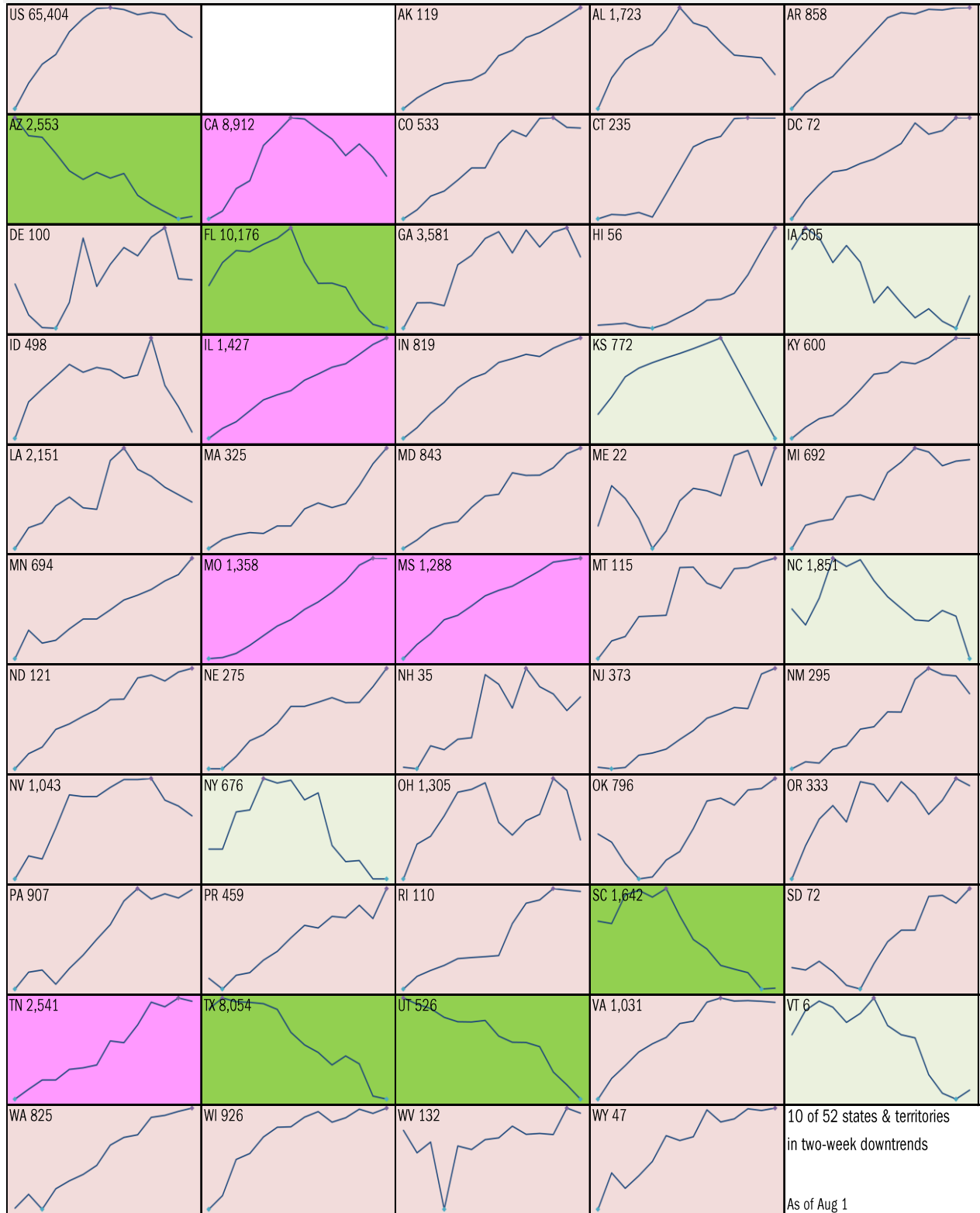
# Our most reliable evidence of slowing exponential growth of Covid-2019

Vertical: number of days it takes to double deaths Horizontal: days from first death



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* ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst

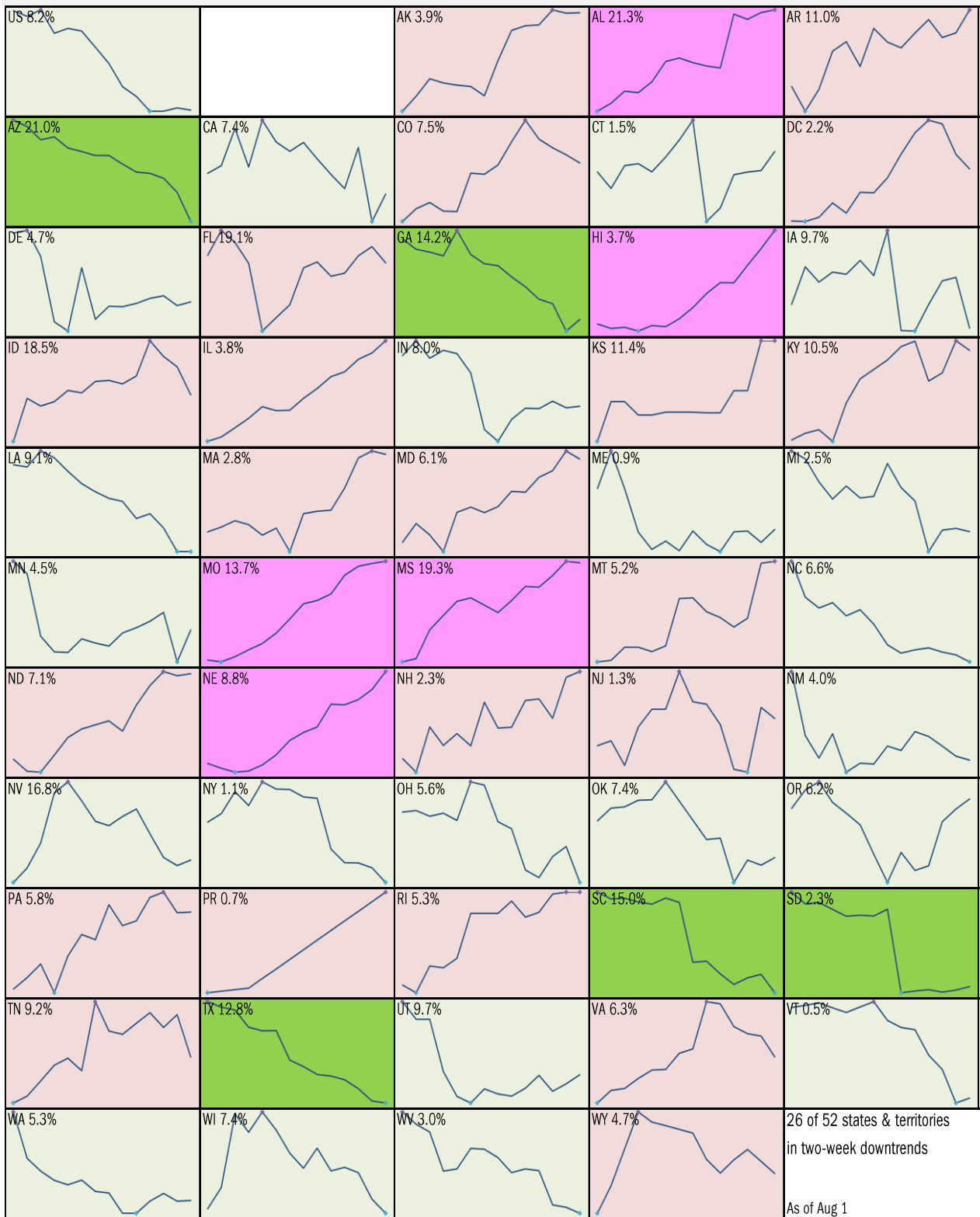


Source: [Covid Tracking Project](#), TrendMacro calculations

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 ● High ● Low

■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

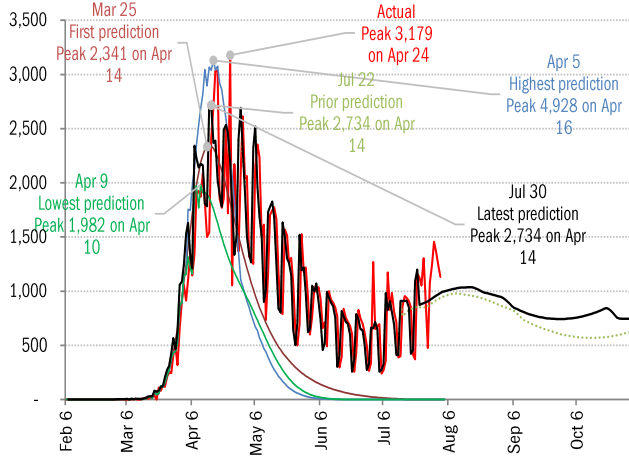


# Reality-checking the models: actuals versus [IHME](#) predictions

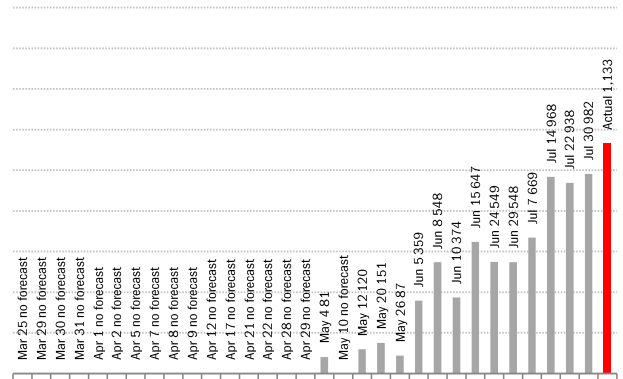
## New daily fatalities

As of Aug 2

Actual versus first, highest, lowest and latest model mean predictions

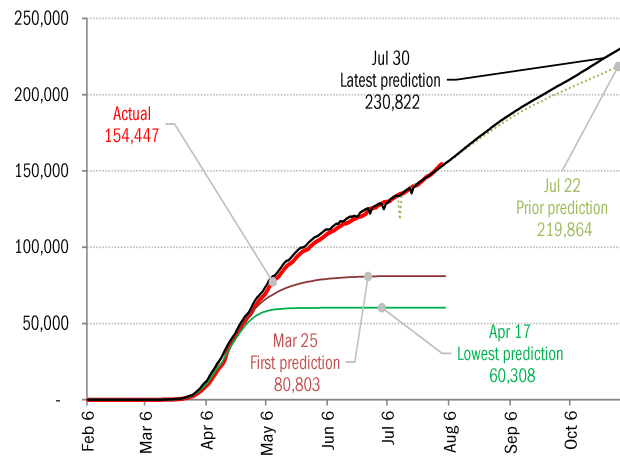


For this day, versus all model mean predictions

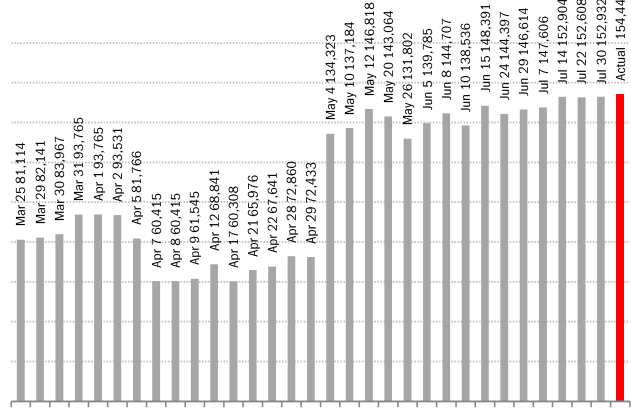


## Cumulative fatalities

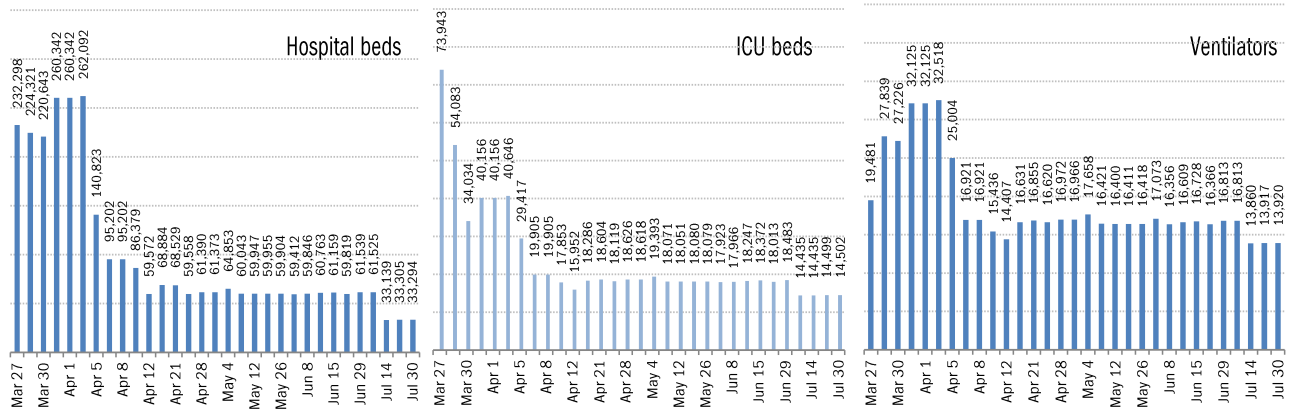
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

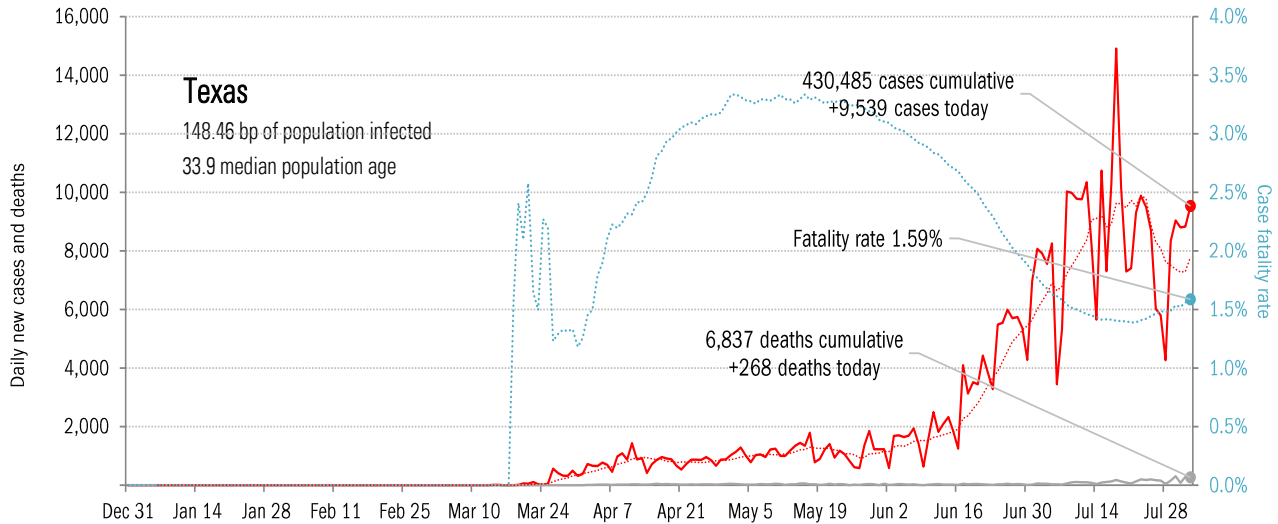
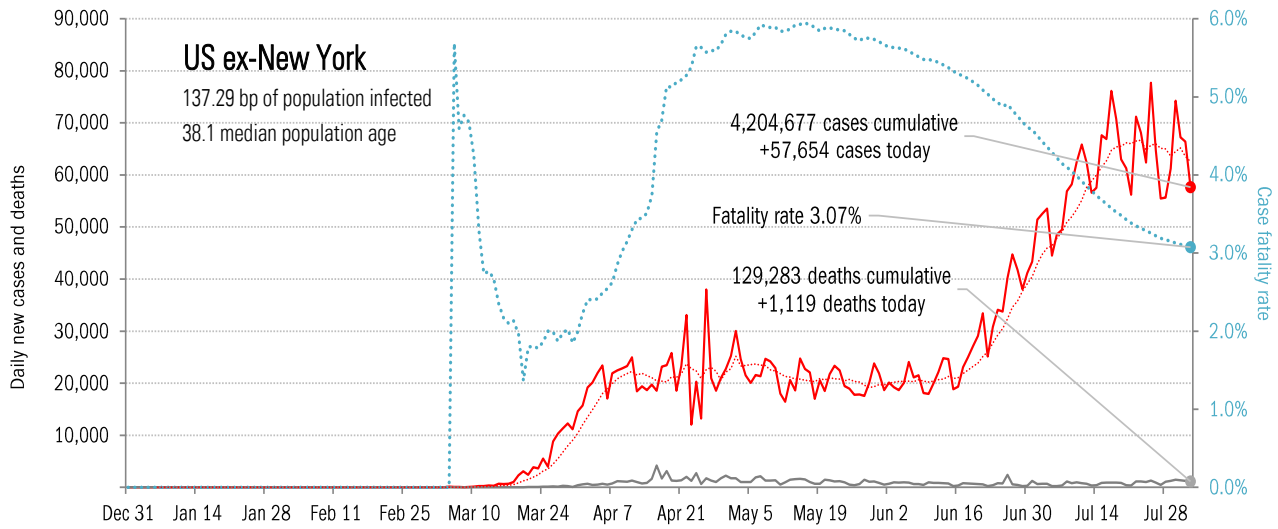
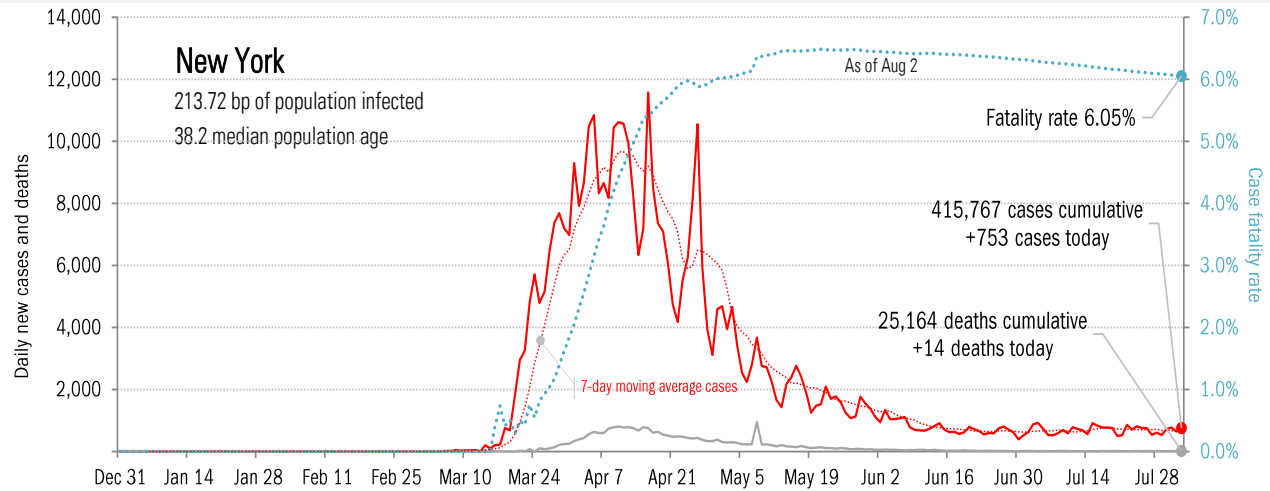


## Healthcare system stress, peak estimated at each model revision



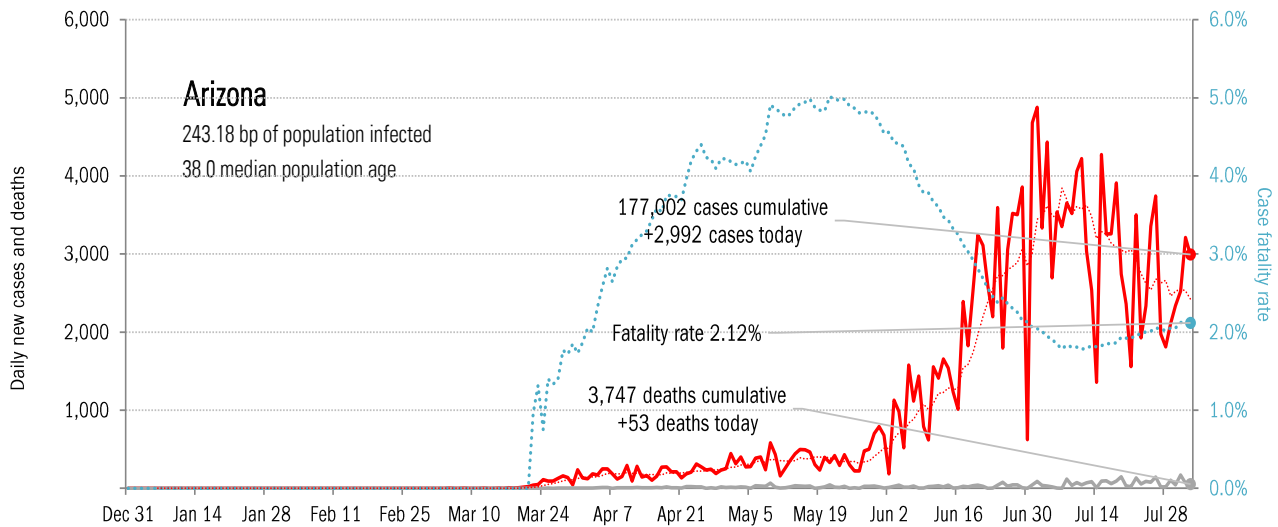
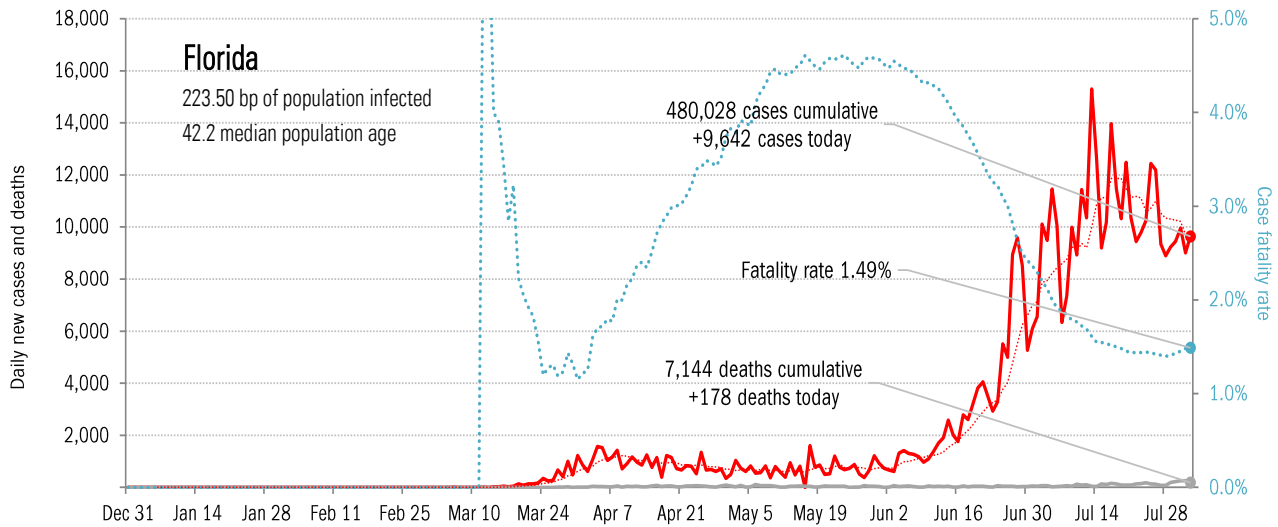
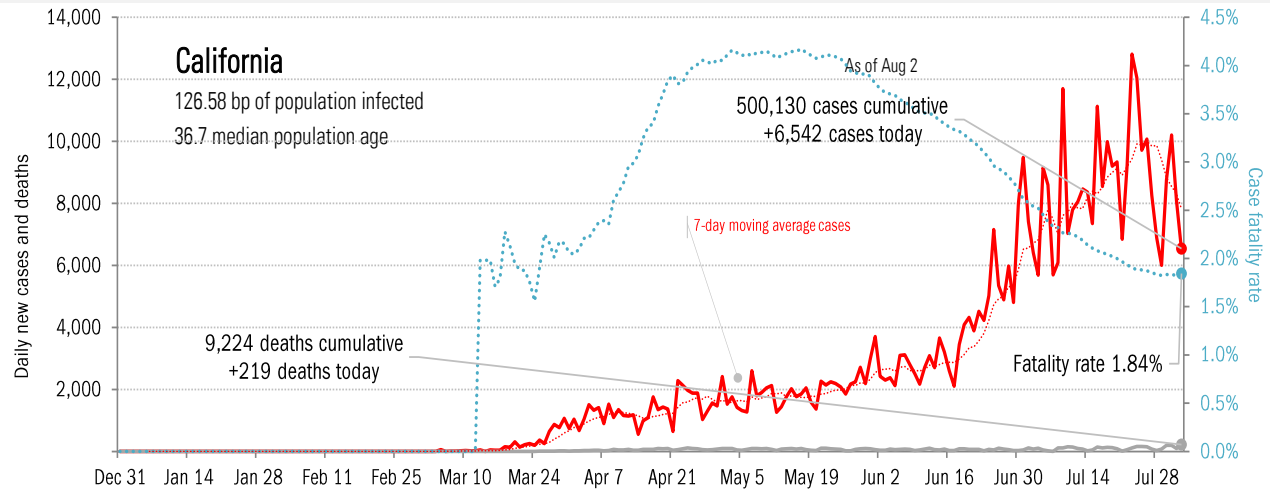
Source: [ECDC](#), [IHME](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



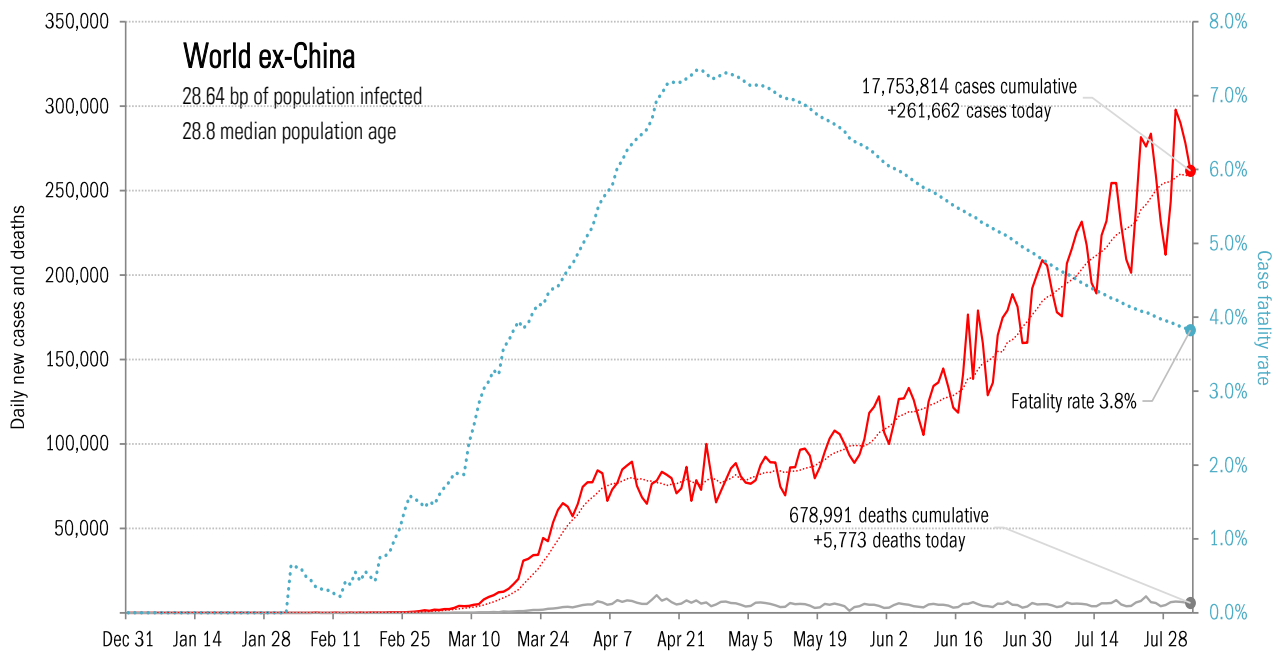
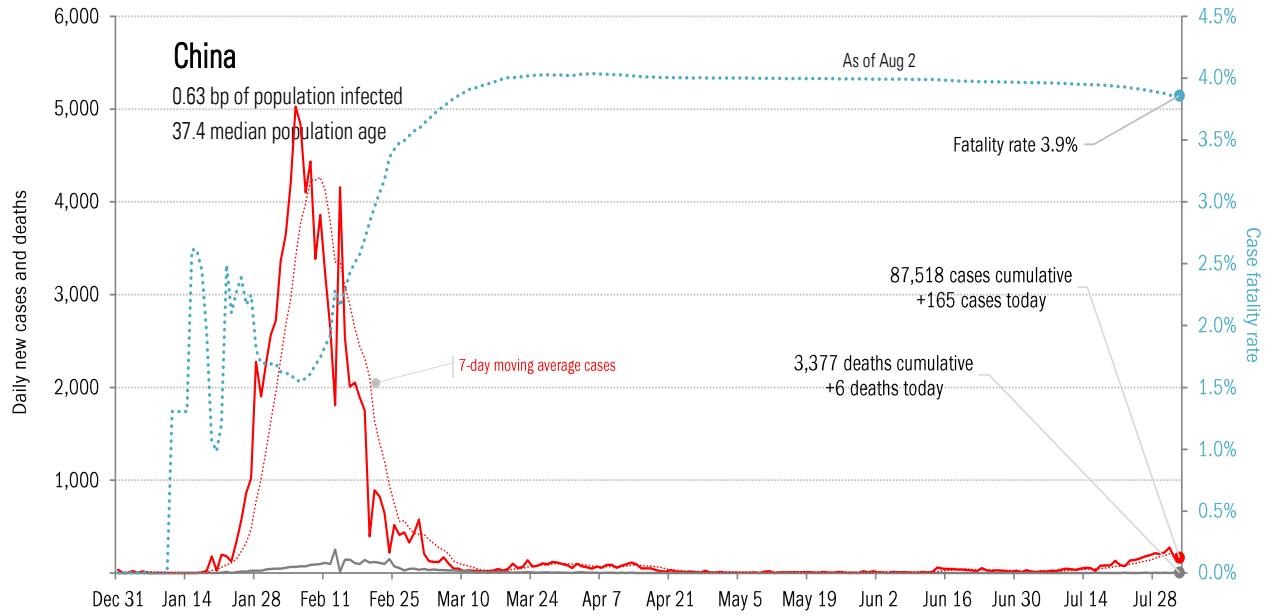
Source: [ECDC](#), TrendMacro calculations

# The sun-belt hot-spot states (other than Texas)



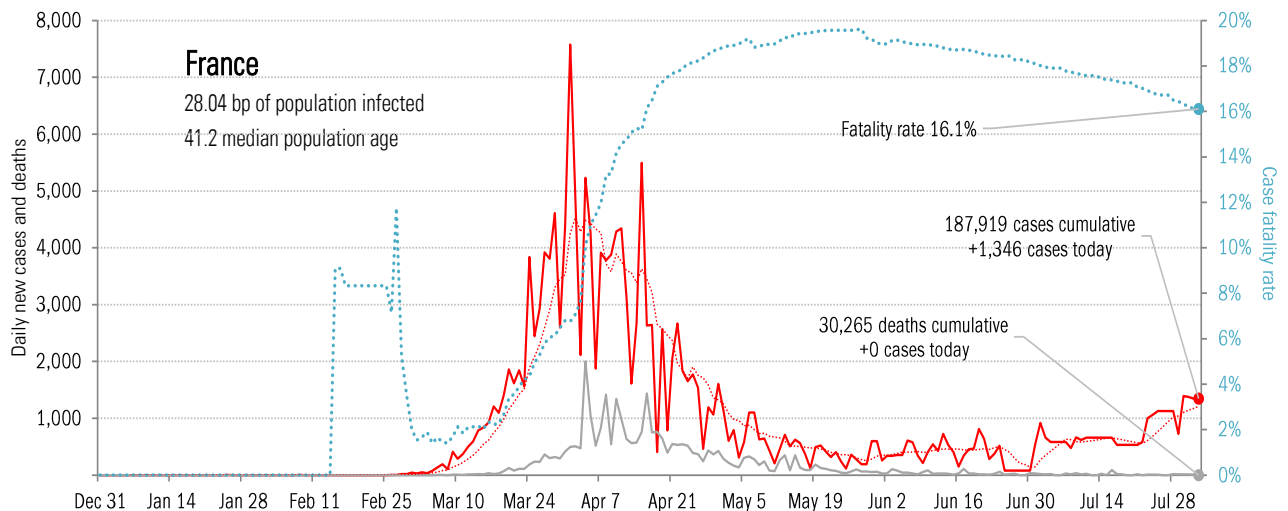
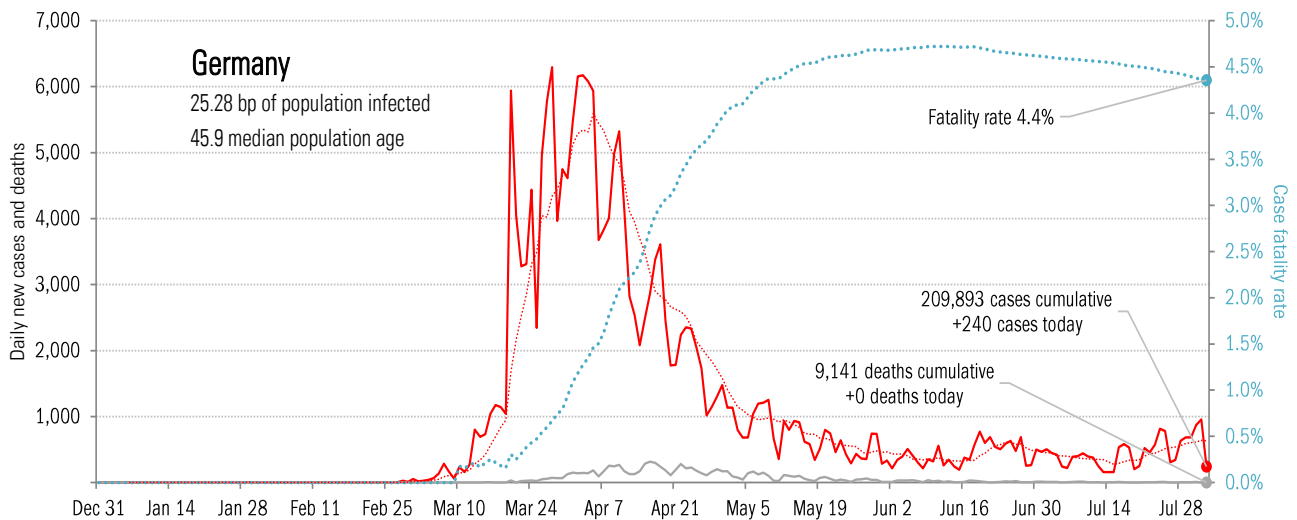
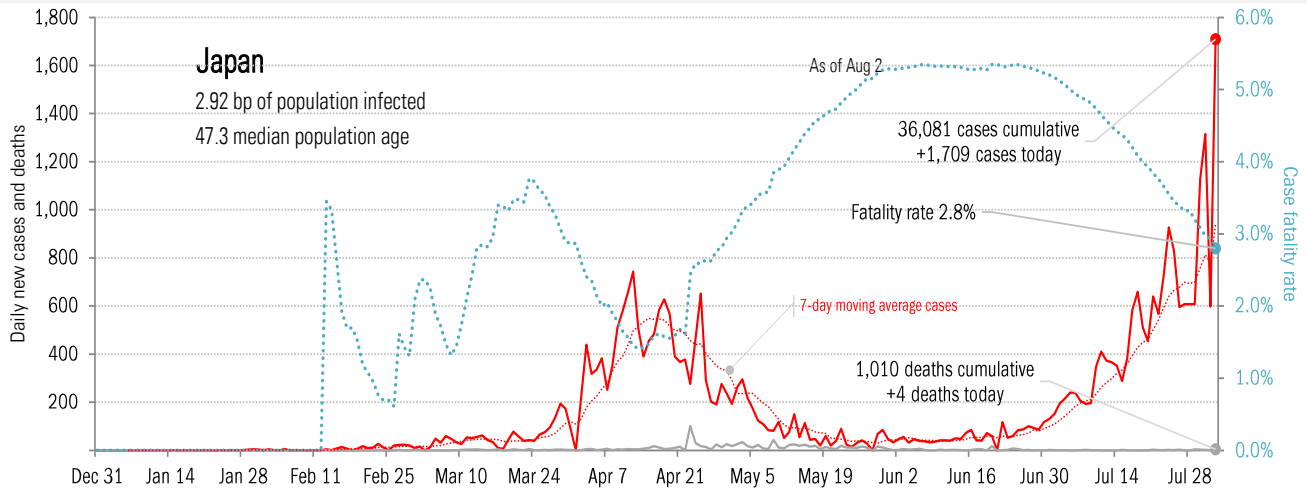
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



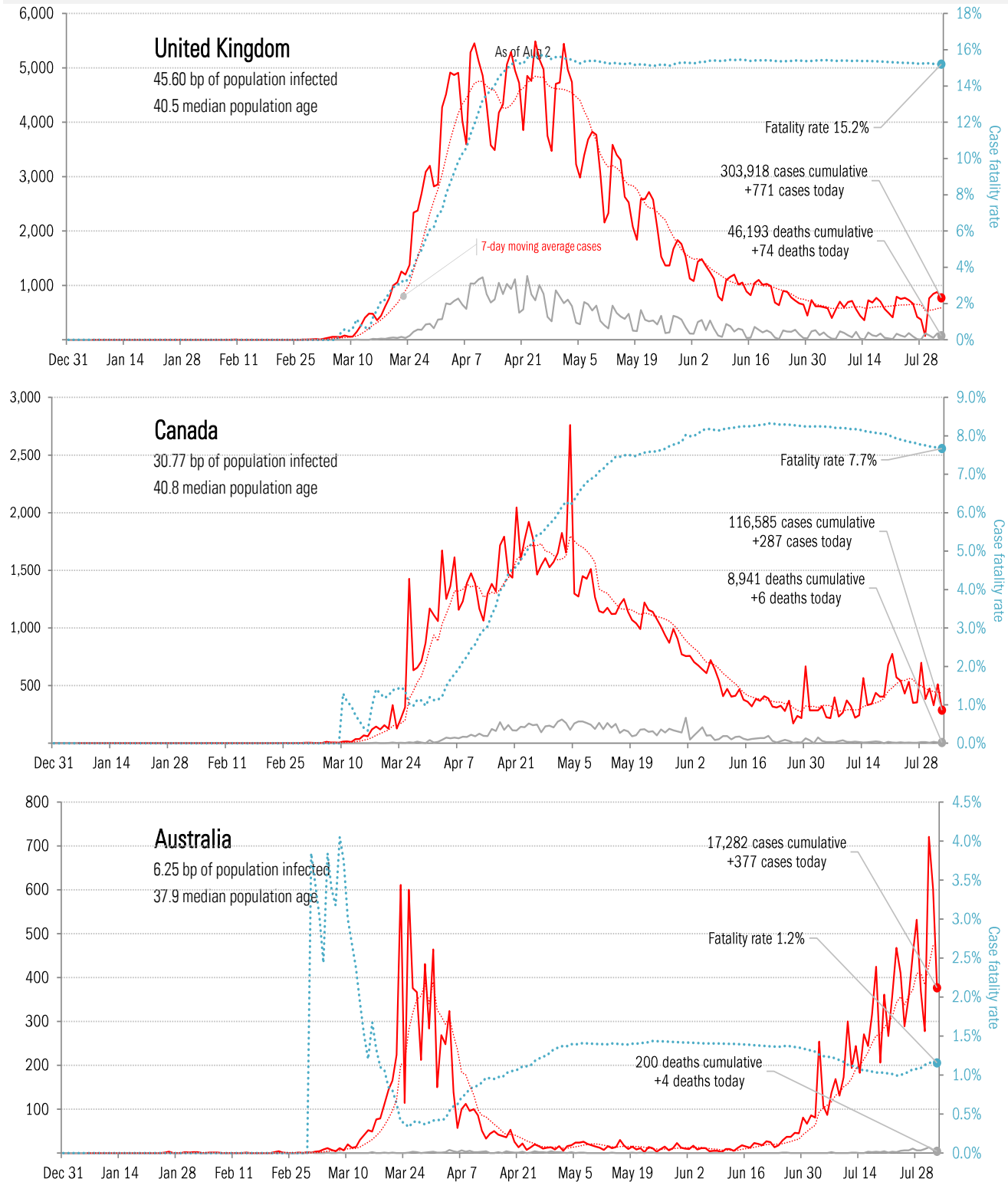
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



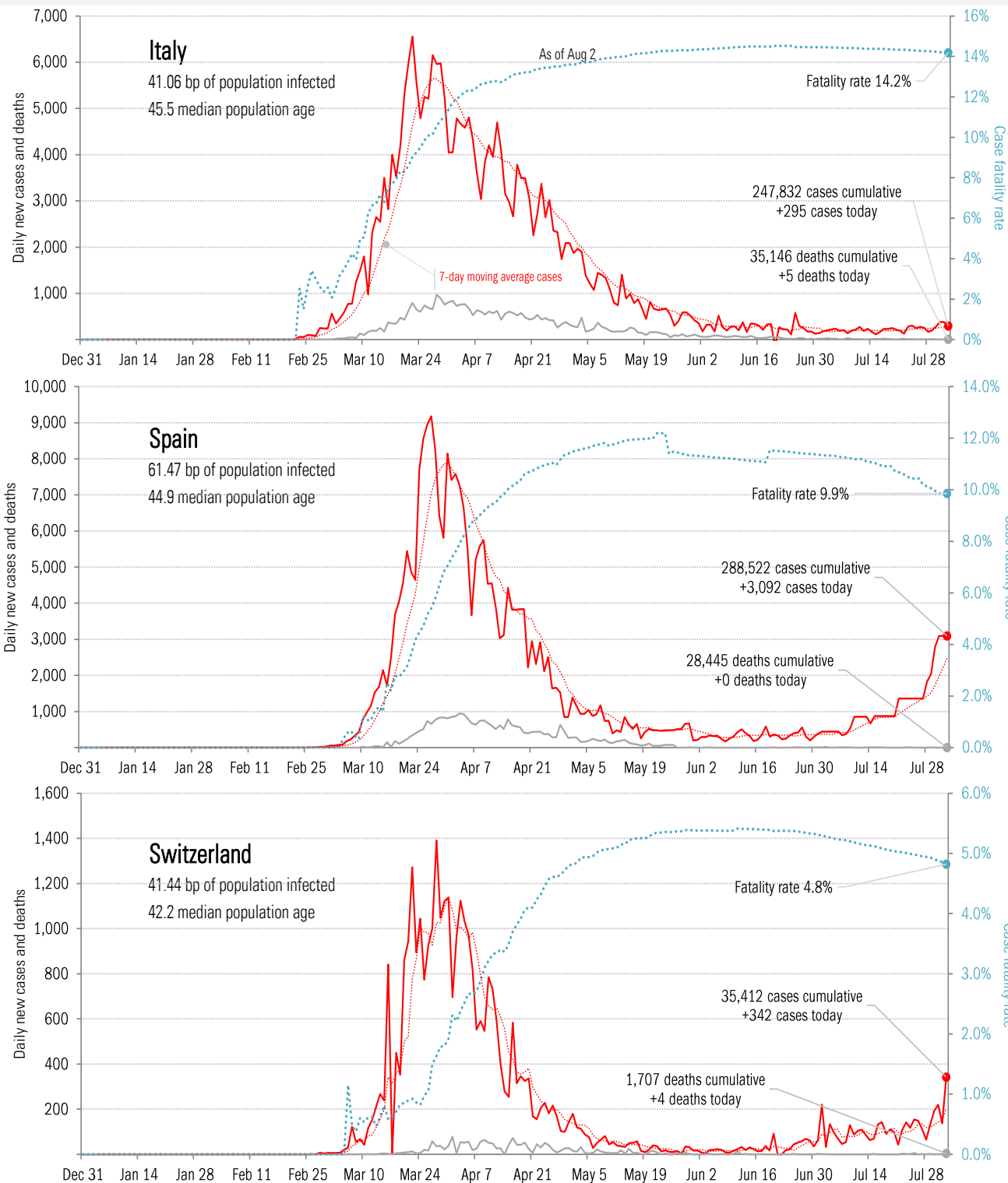
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



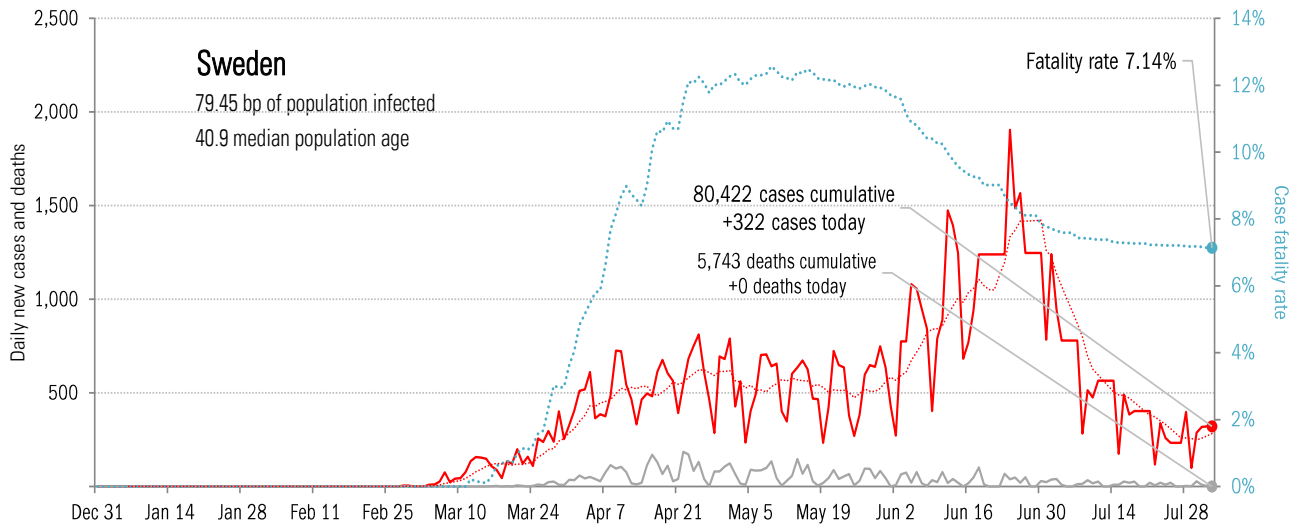
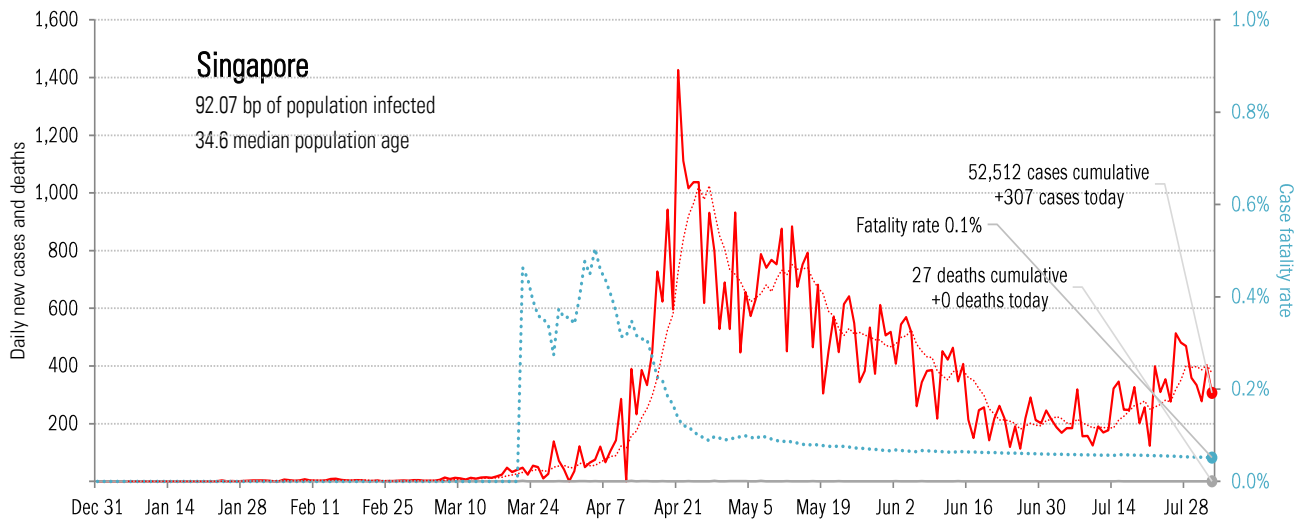
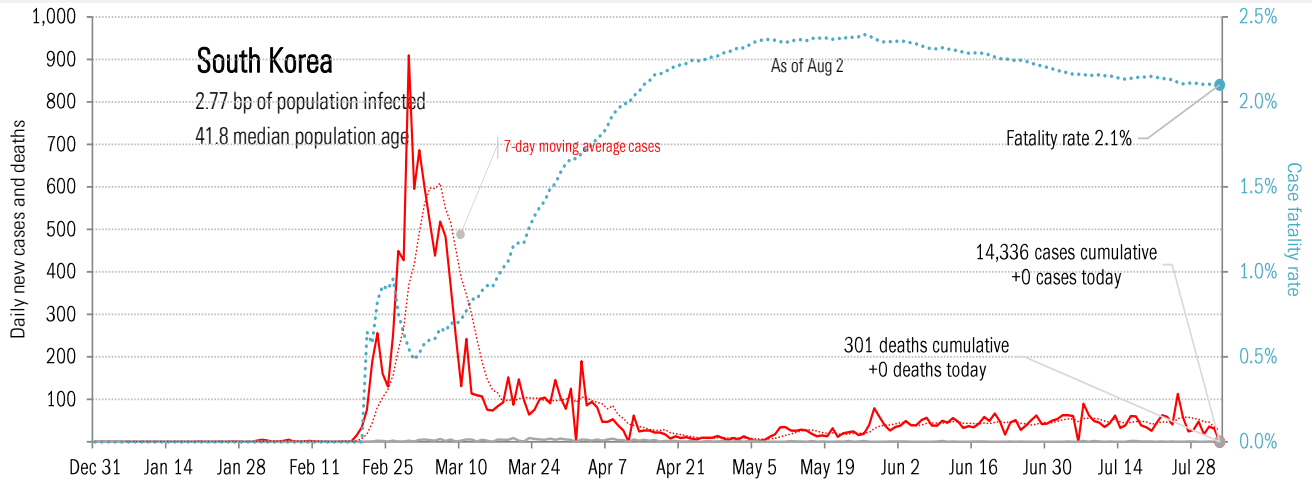
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



Source: [ECDC](#), TrendMacro calculations

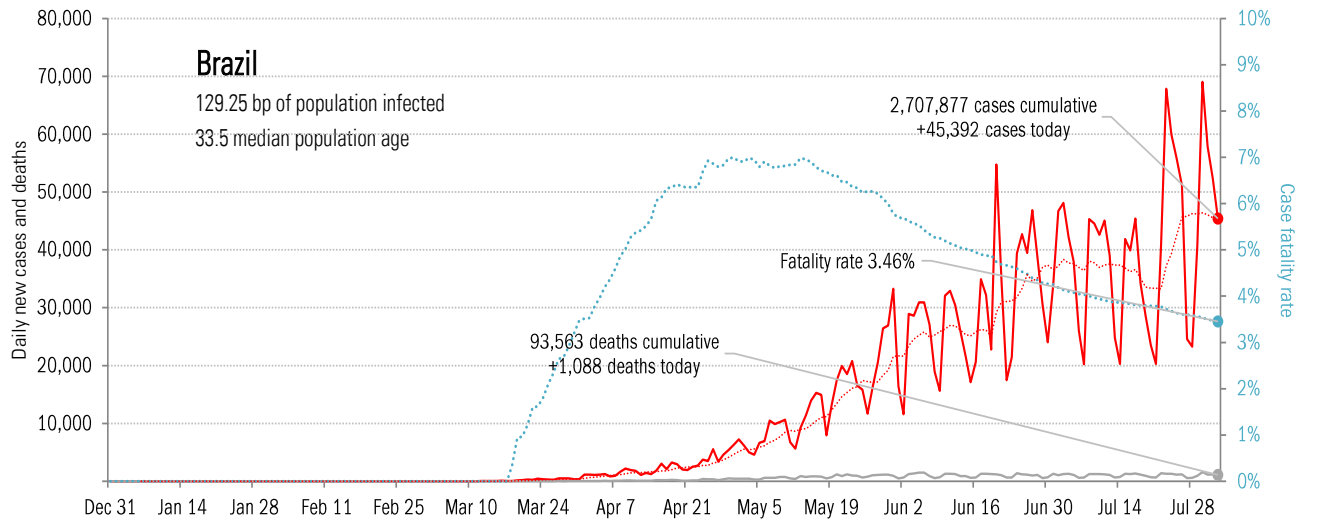
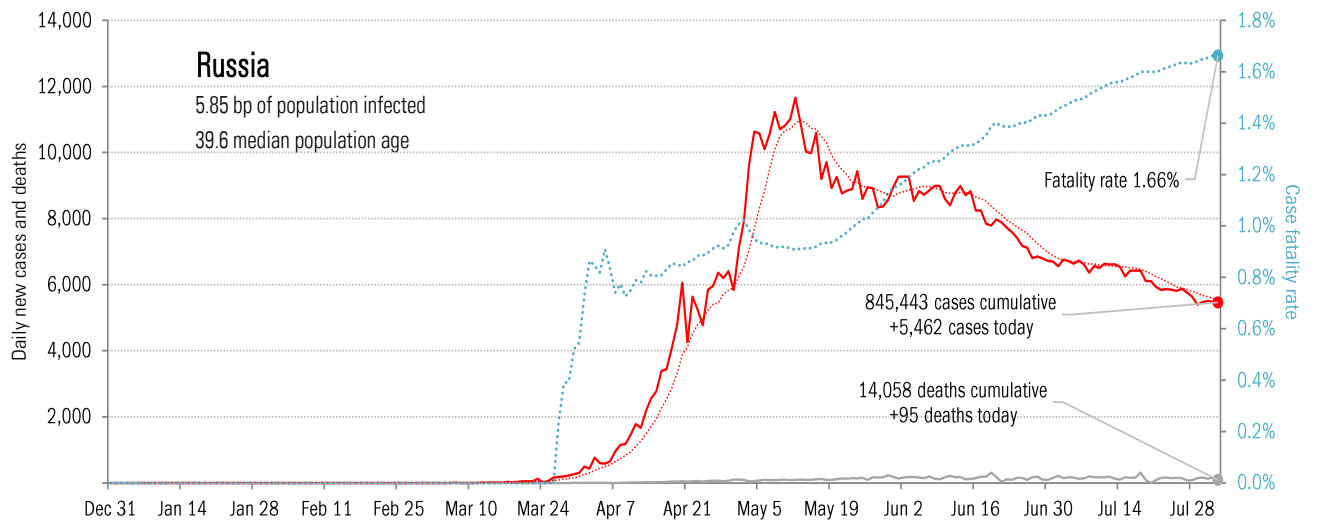
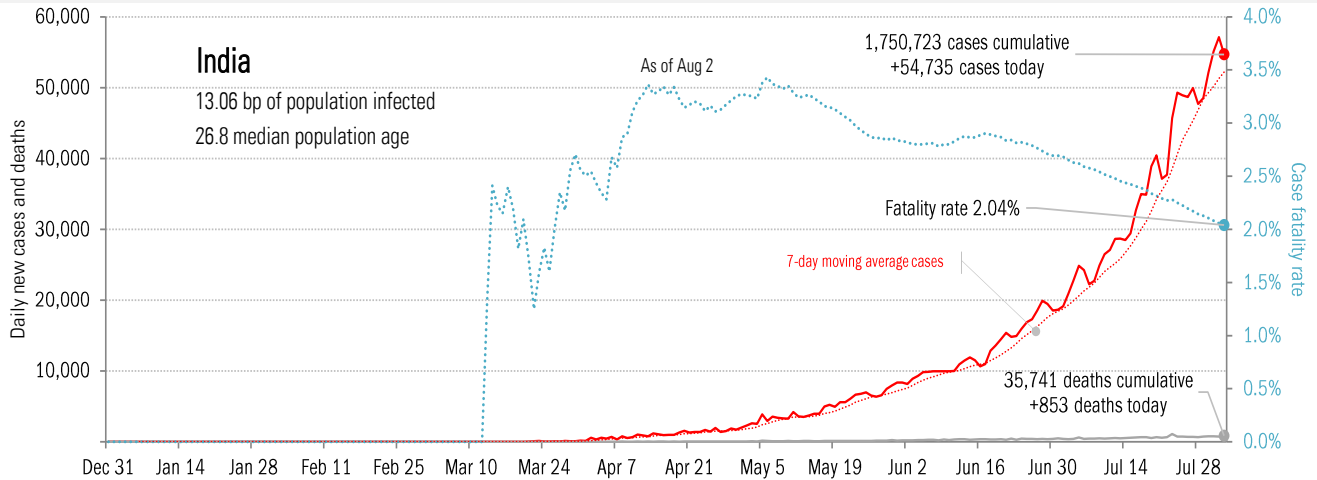
# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

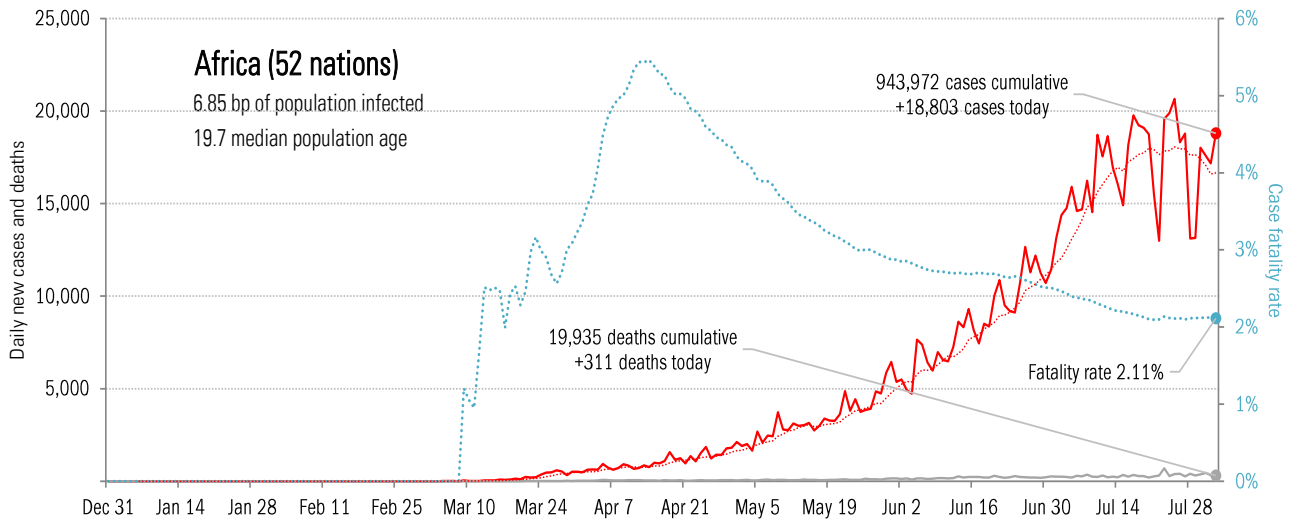
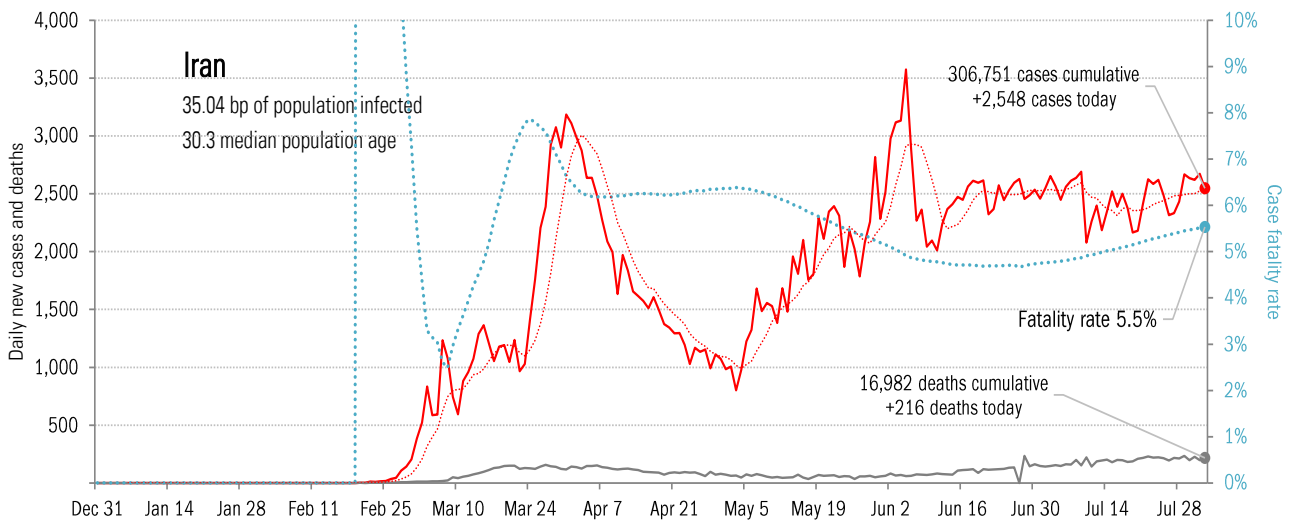
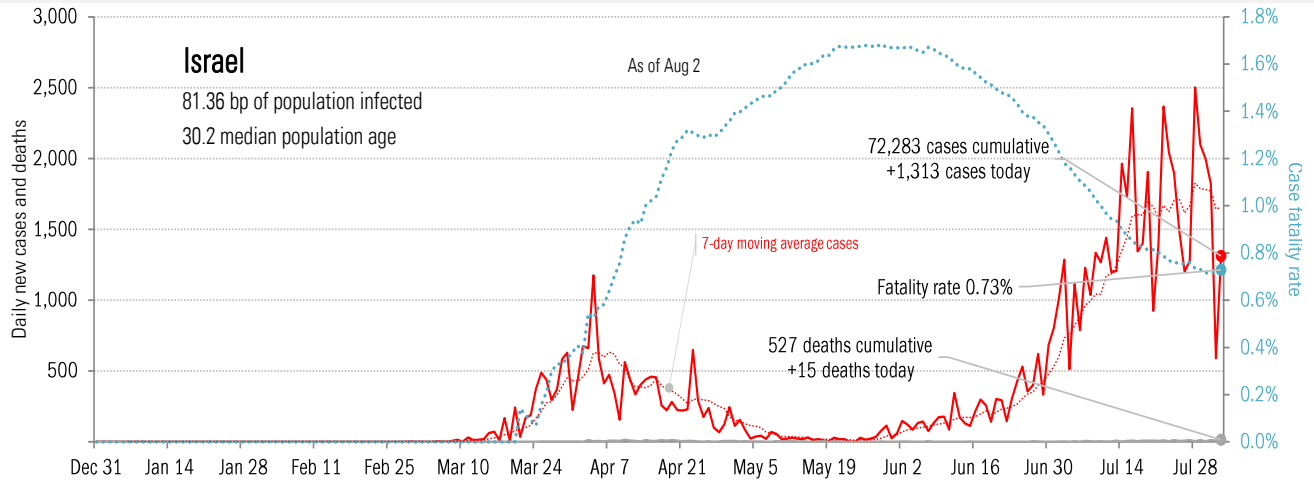


# Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations