

## Data Insights: Covid-2019 Monitor

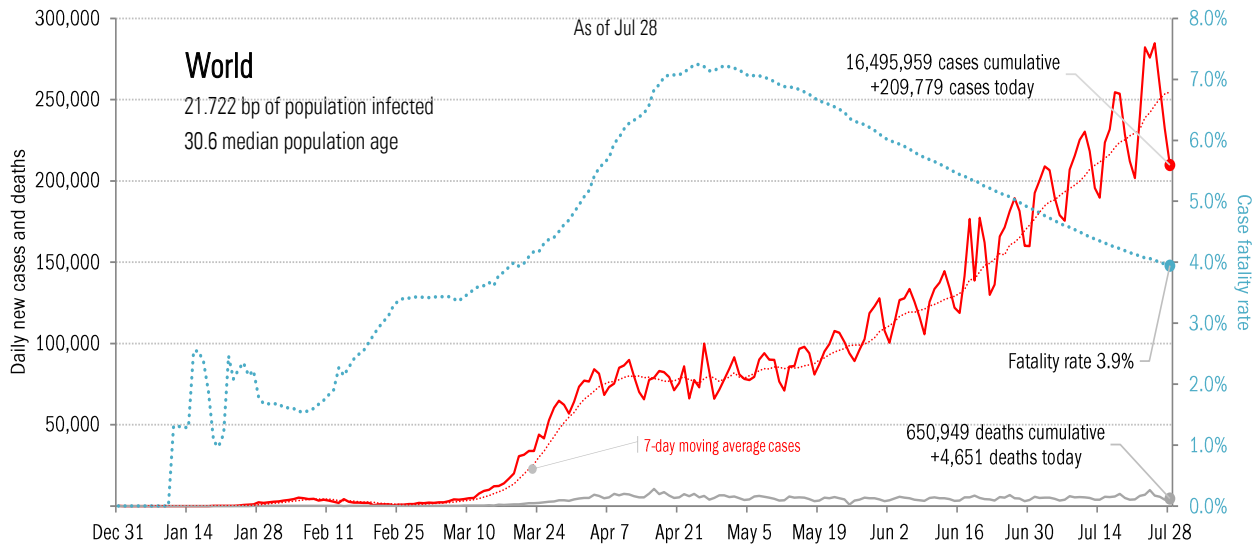
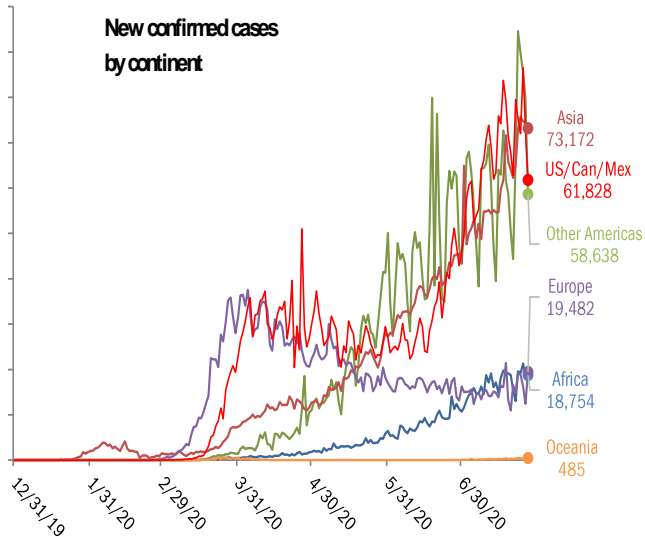
Tuesday, July 28, 2020

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
US	+56,243	US	+1,076
India	+47,703	India	+654
Brazil	+23,284	Brazil	+614
Colombia	+8,125	Mexico	+342
South_Africa	+7,096	South_Africa	+298
Russia	+5,635	Colombia	+252
Mexico	+4,973	Iran	+212
Peru	+4,920	Peru	+189
Bangladesh	+2,772	Iraq	+96
Iraq	+2,553	Russia	+85
<b>+163,304</b>		<b>+3,818</b>	
World	+209,779	World	+4,651
Top ten	78%	Top ten	82%

#### 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

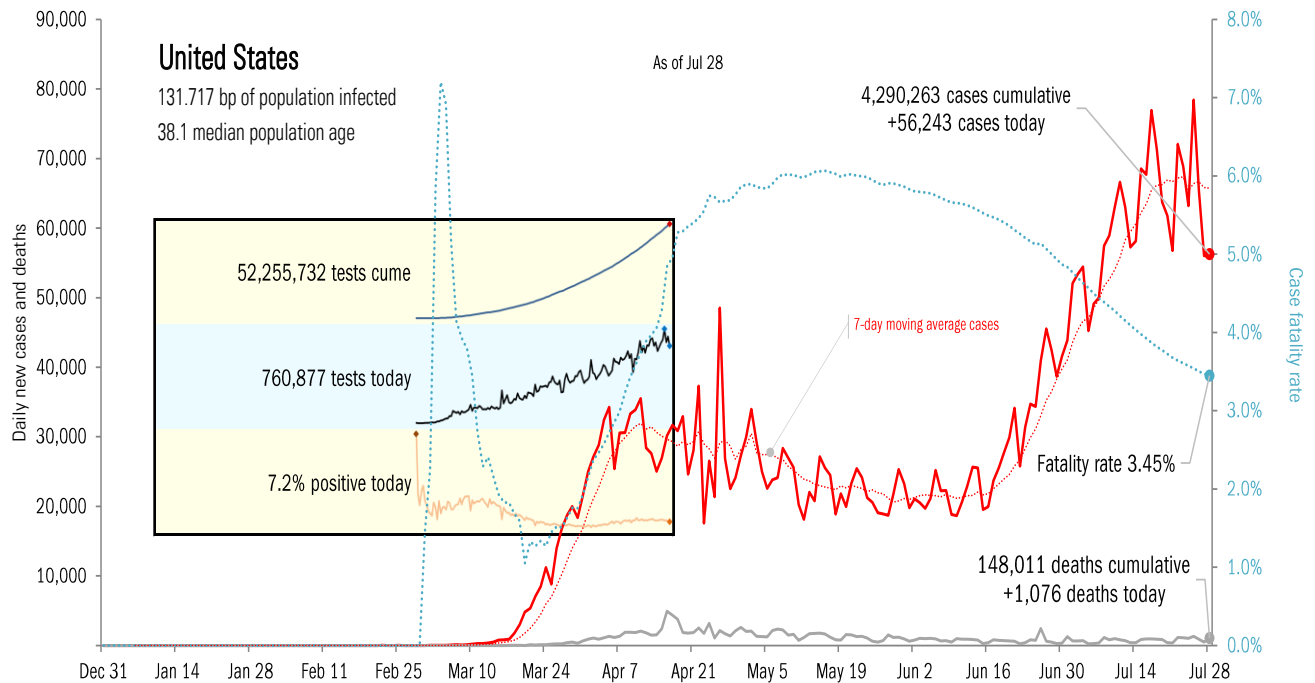
National and state-by-state data do not line up because of different sources

## The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
FL	+8,892	FL	+77	AL	+537	CA	460,550	NY	25,117	NY	89,995
CA	+6,891	TX	+44	FL	+269	FL	432,747	NJ	15,804	FL	24,690
TX	+4,267	CH	+37	CH	+86	NY	412,344	MA	8,536	NJ	21,321
GA	+2,890	CA	+29	VA	+84	TX	385,923	CA	8,445	GA	17,138
TN	+2,553	LA	+23	AR	+82	NJ	179,812	IL	7,608	MD	12,339
LA	+2,343	AL	+18	MD	+56	IL	173,897	PA	7,122	VA	12,140
AL	+1,821	IL	+18	MS	+50	GA	170,843	MI	6,405	MA	11,833
AZ	+1,813	NJ	+17	KS	+48	AZ	163,827	FL	6,049	CT	10,712
NC	+1,625	SC	+15	GA	+47	MA	115,926	TX	5,713	CH	10,285
VA	+1,505	GA	+11	AZ	+45	NC	114,338	CT	4,418	AL	9,694
<b>+34,600</b>		<b>+289</b>		<b>+1,304</b>		<b>2,610,207</b>		<b>95,217</b>		<b>220,147</b>	
All states	+55,134	All states	+428	All states	+1,690	All states	4,275,188	All states	140,309	All states	294,472
Top ten	63%	Top ten	68%	Top ten	77%	Top ten	61%	Top ten	68%	Top ten	75%

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-1,543	TX	-107	IN	-178	NC	+13,595
LA	-1,497	CA	-50	AR	-99	MS	+4,756
CA	-1,368	LA	-25	FL	-66	TN	+2,509
MI	-1,077	AZ	-20	MD	-39	CH	+948
TN	-587	MA	-12	AZ	-34	MIN	+767



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

## Recommended reading

### [Florida Man Took Coronavirus Aid and Bought a Lamborghini, Officials Say](#)

Azi Paybarah  
*New York Times*  
July 27, 2020

### [Covid-19 In Primary Schools: No Significant Transmission Among Children Or From Students To Teachers](#)

*Institut Pasteur*  
June 23, 2020

### [Nordic Study Suggests Open Schools Don't Spread Virus Much](#)

Kati Pohjanpalo and Hanna Hoikkala  
*Bloomberg*  
July 20, 2020

### [Calgary Chapel versus Sisolak](#)

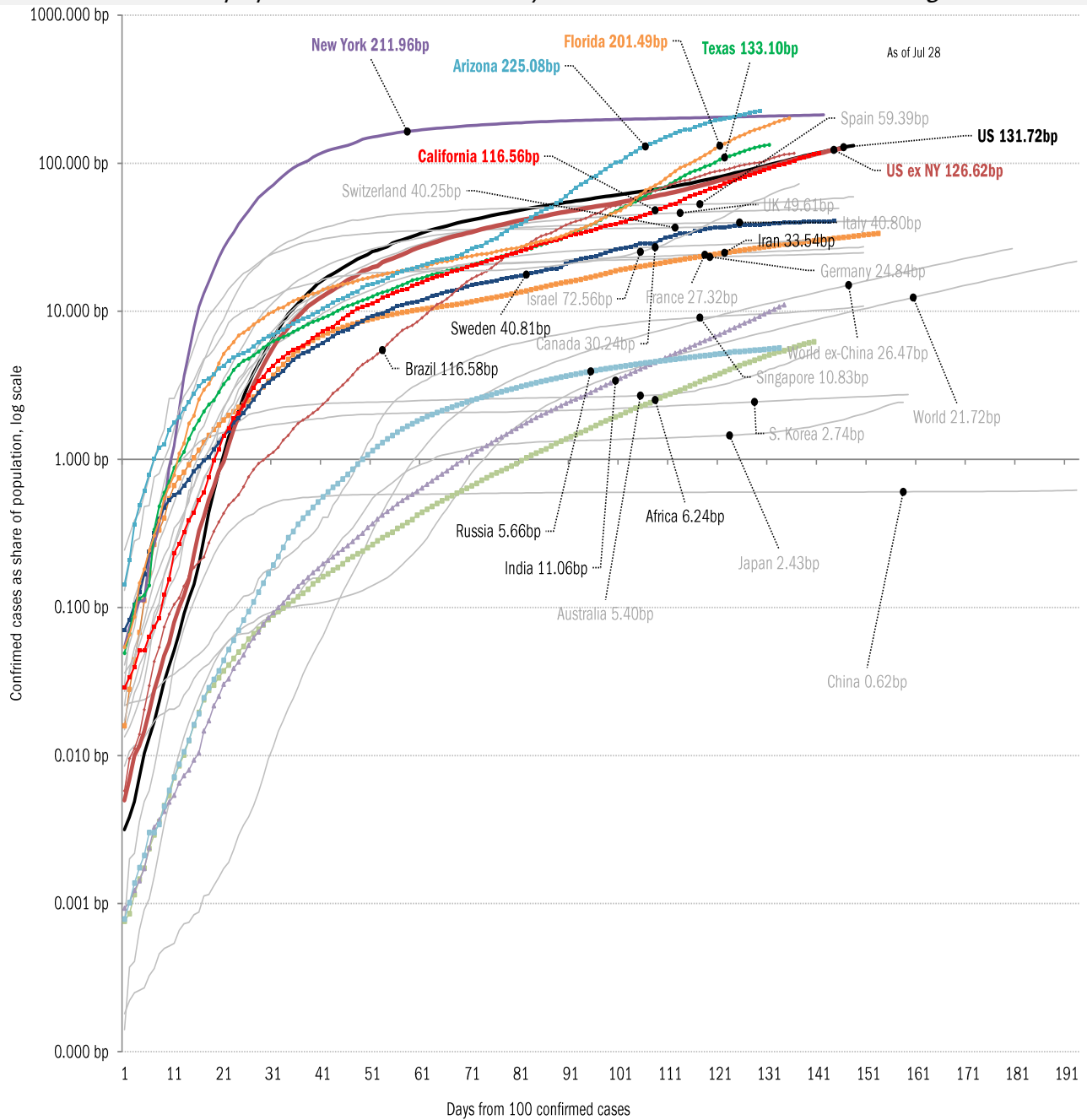
Justice Samuel Alito, dissenting  
*US Supreme Court*  
July 24, 2020

## Meme of the day



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

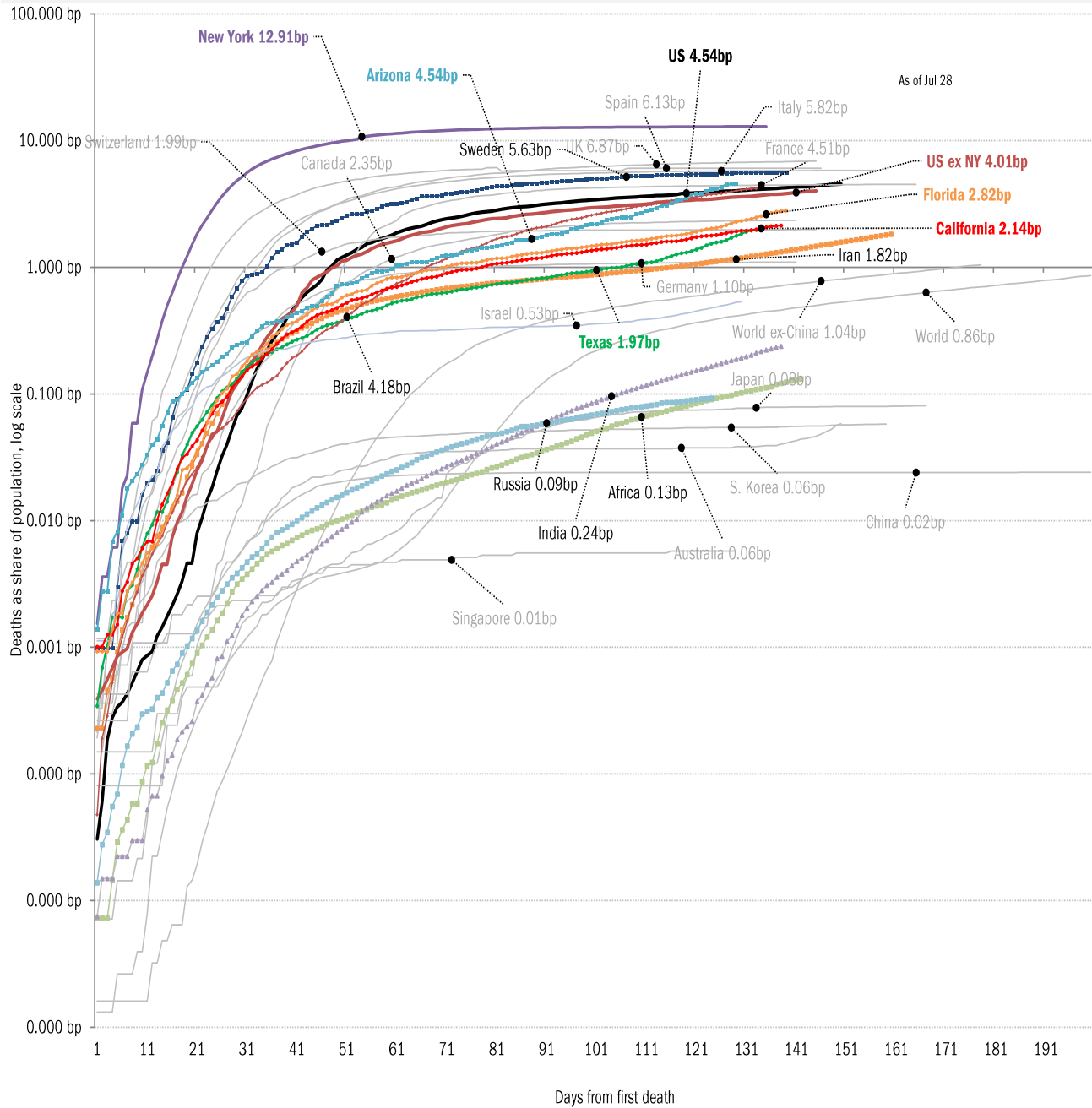
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [ECDC](#), TrendMacro calculations

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

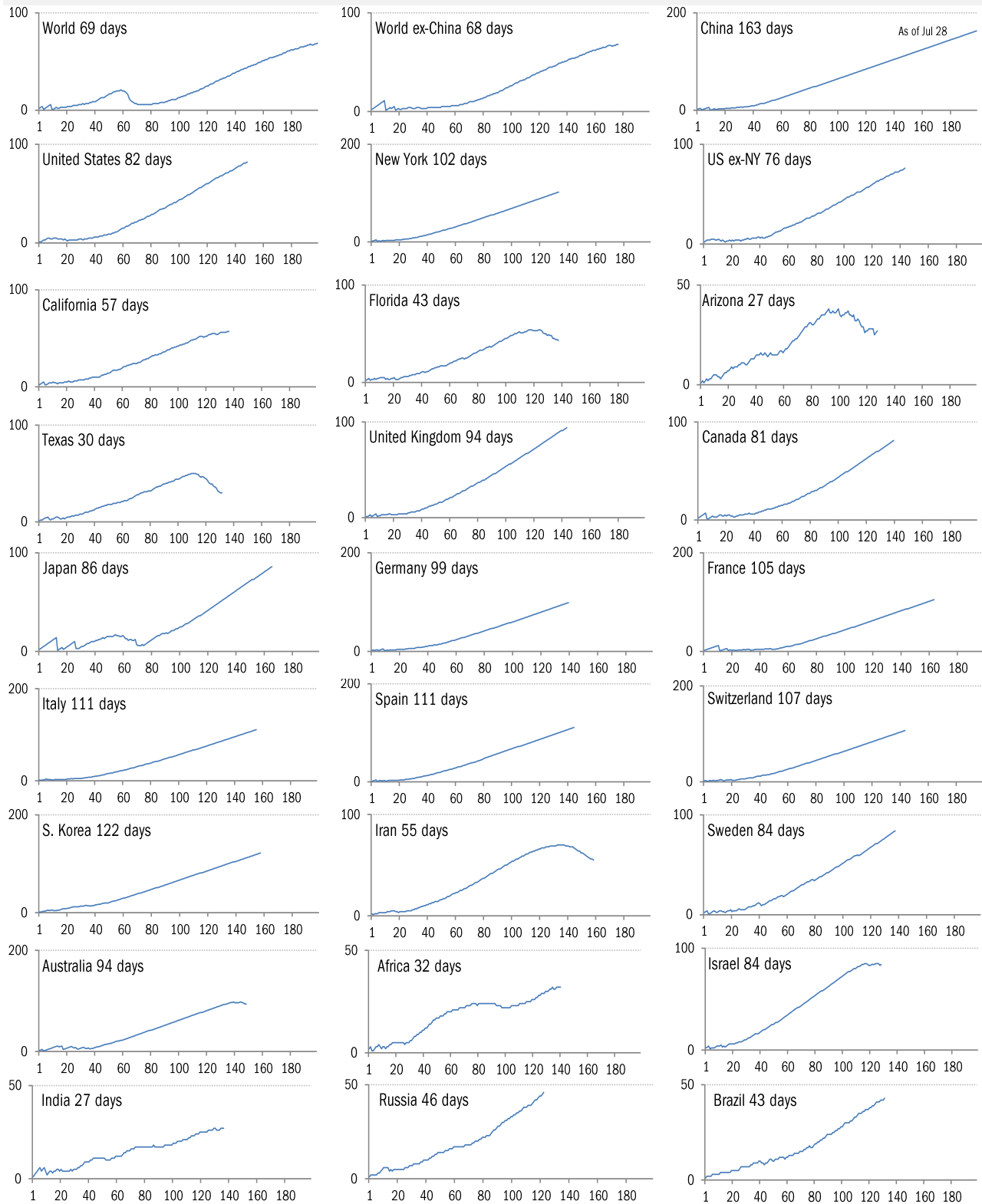
## Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

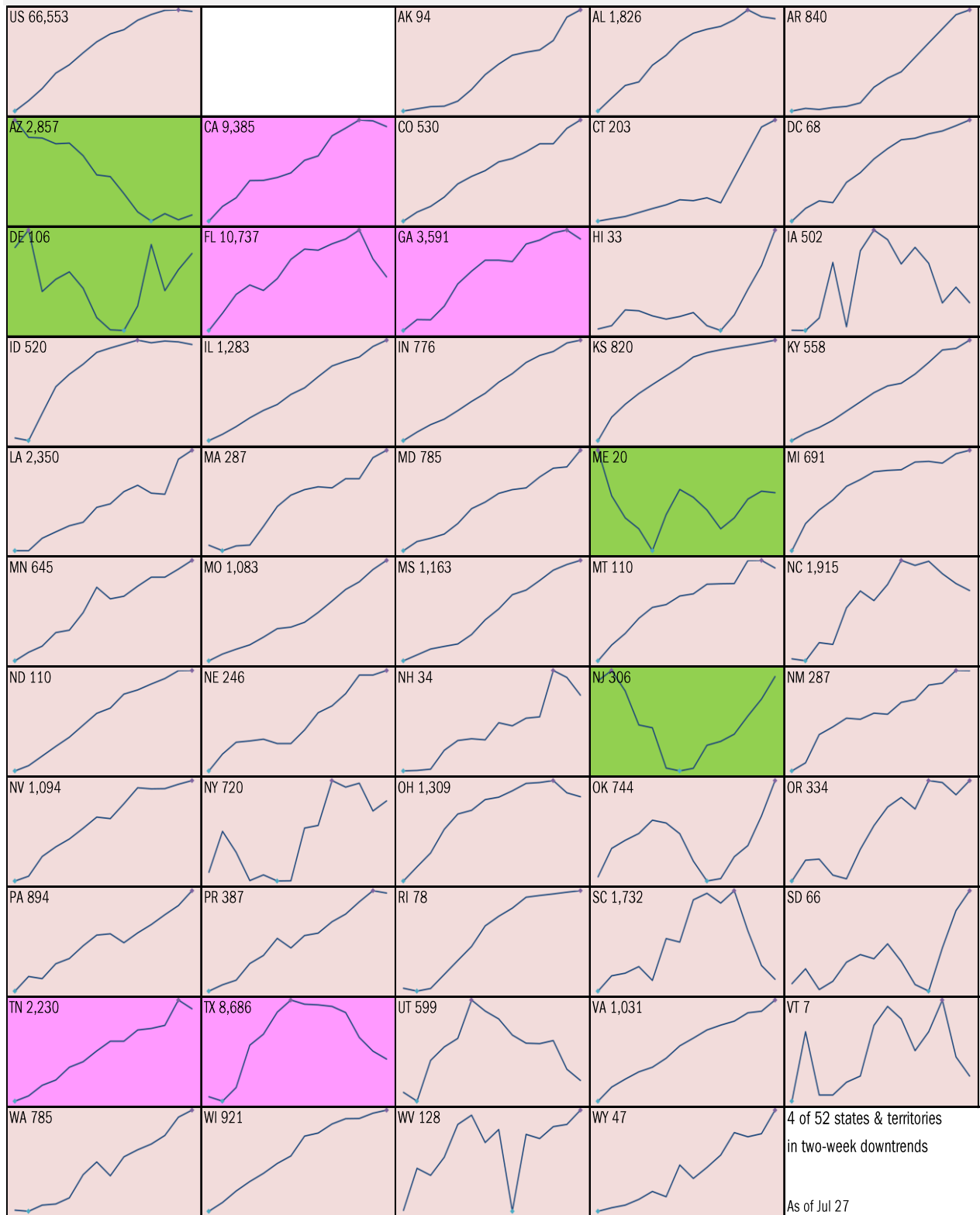
# Our most reliable evidence of slowing exponential growth of Covid-2019

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

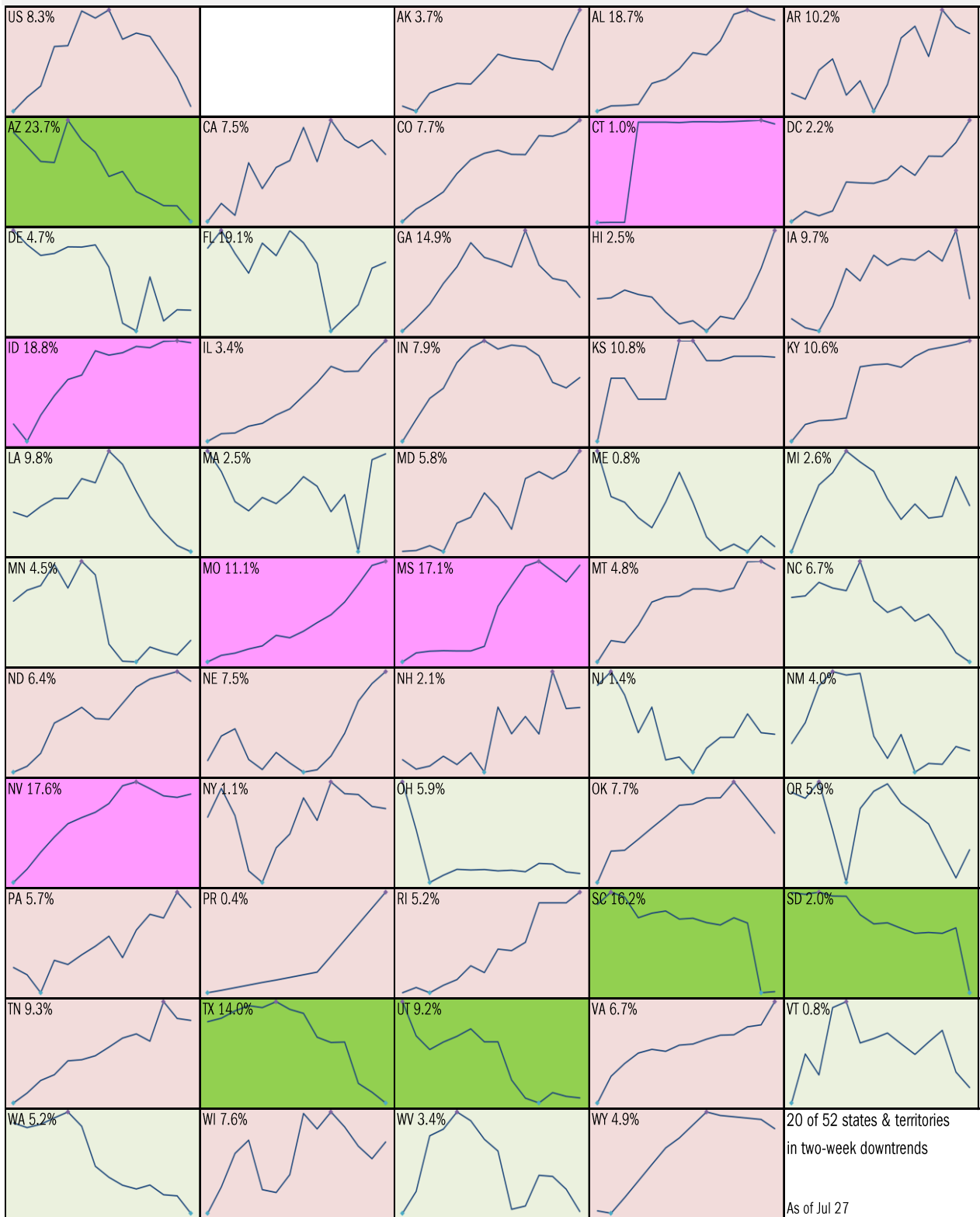


Source: [Covid Tracking Project](#), TrendMacro calculations

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

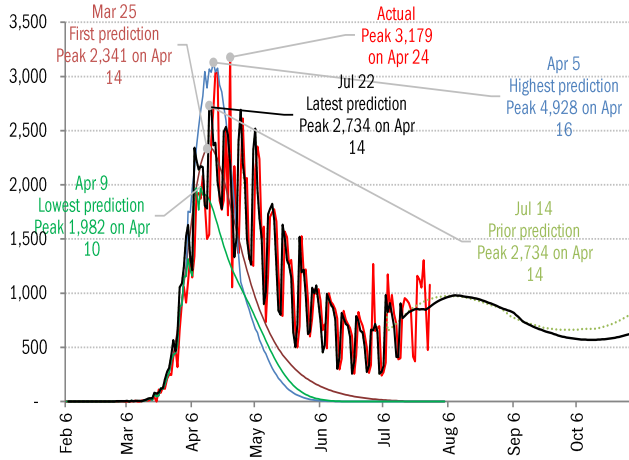


# Reality-checking the models: actuals versus [IHME](#) predictions

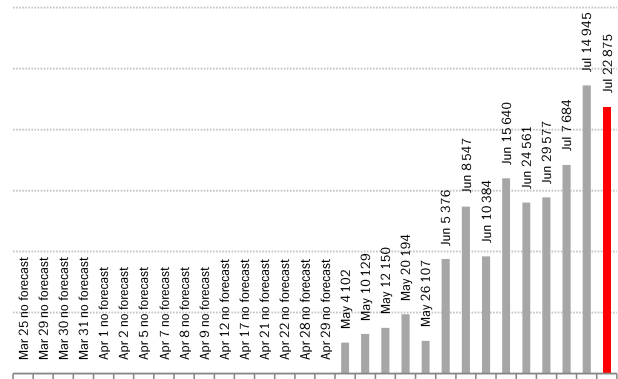
## New daily fatalities

As of Jul 28

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

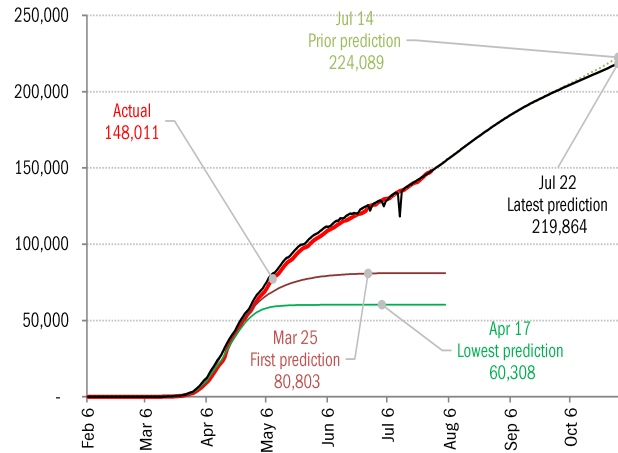


For this day, versus all model mean predictions

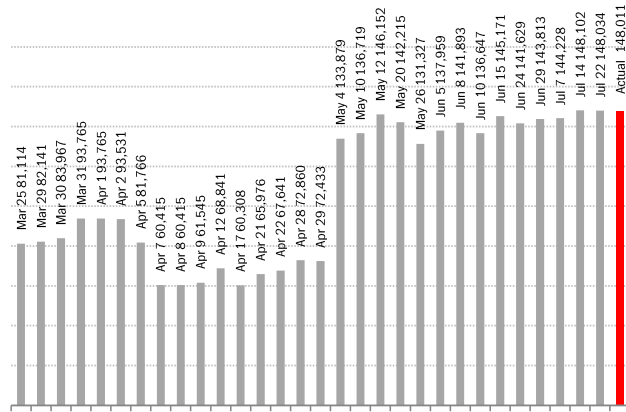


## Cumulative fatalities

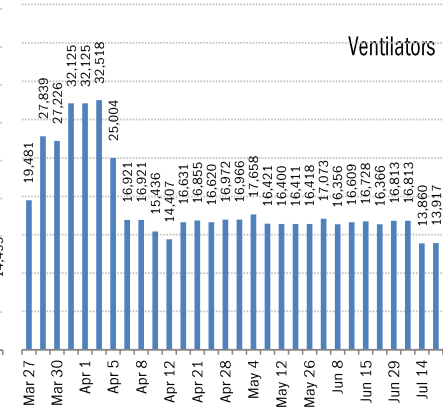
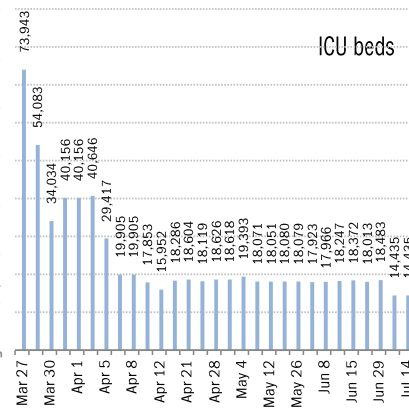
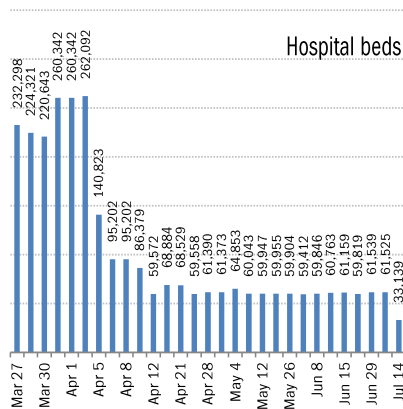
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

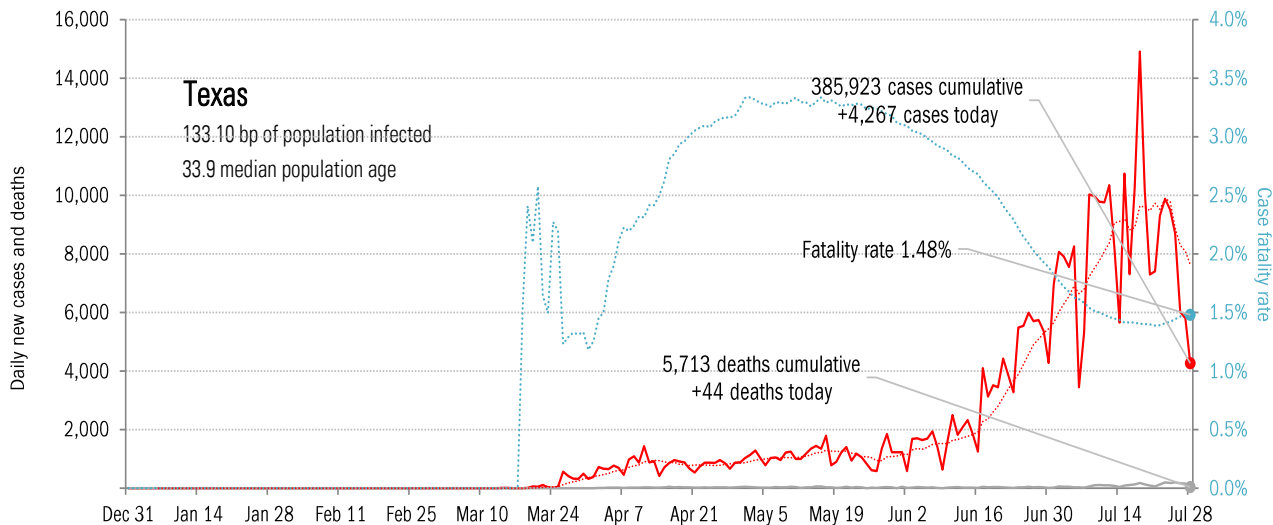
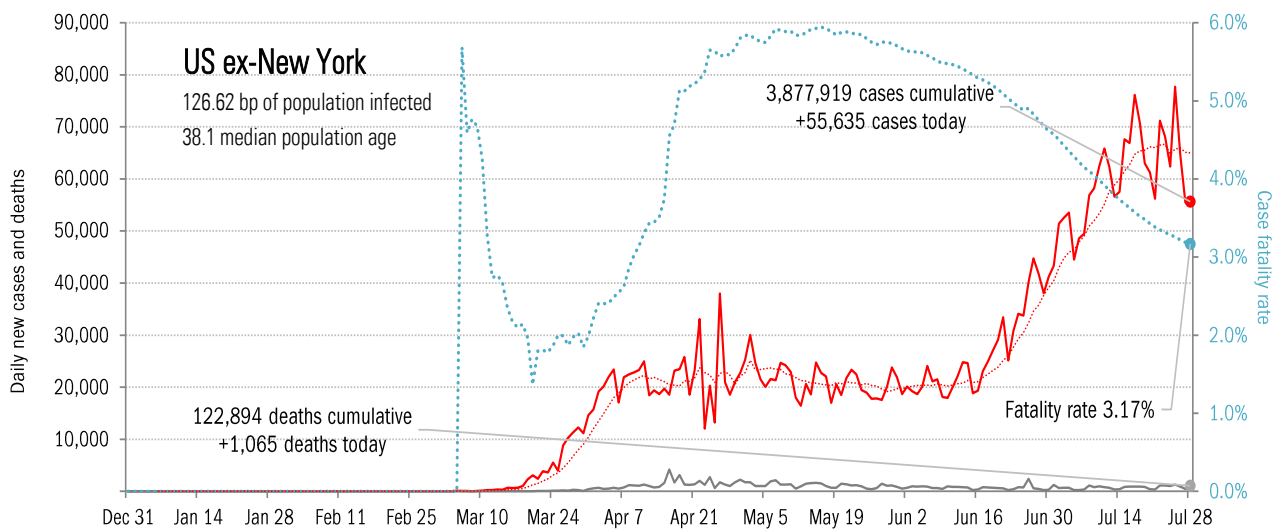
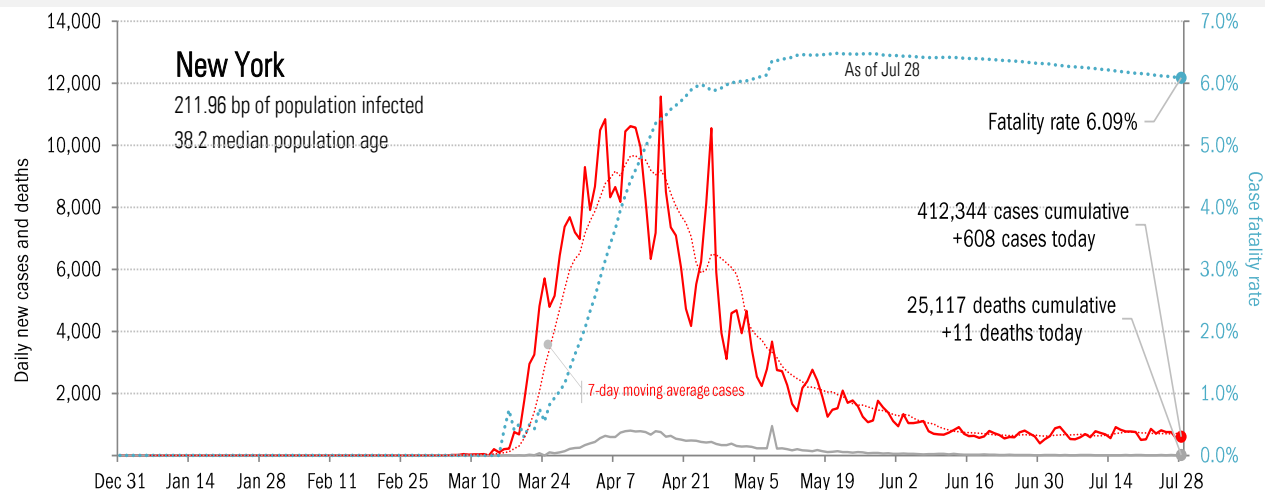


## Healthcare system stress, peak estimated at each model revision



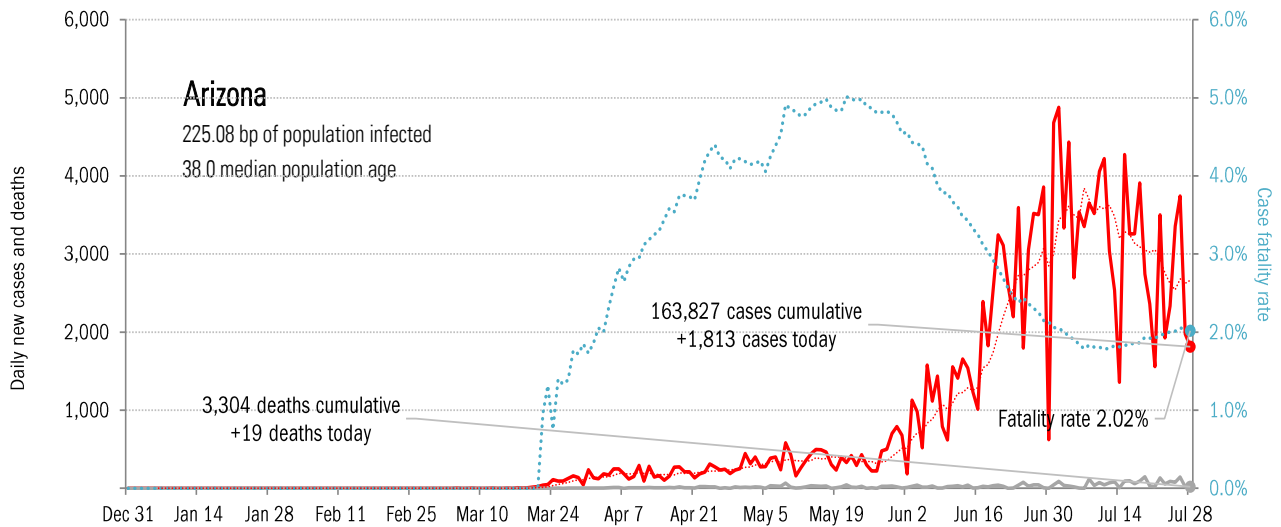
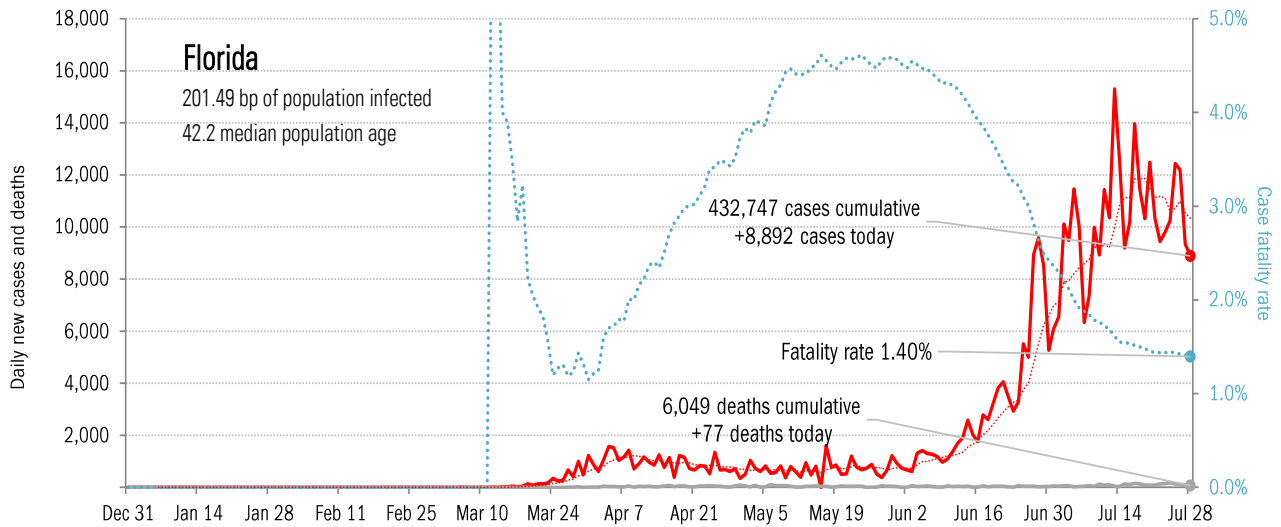
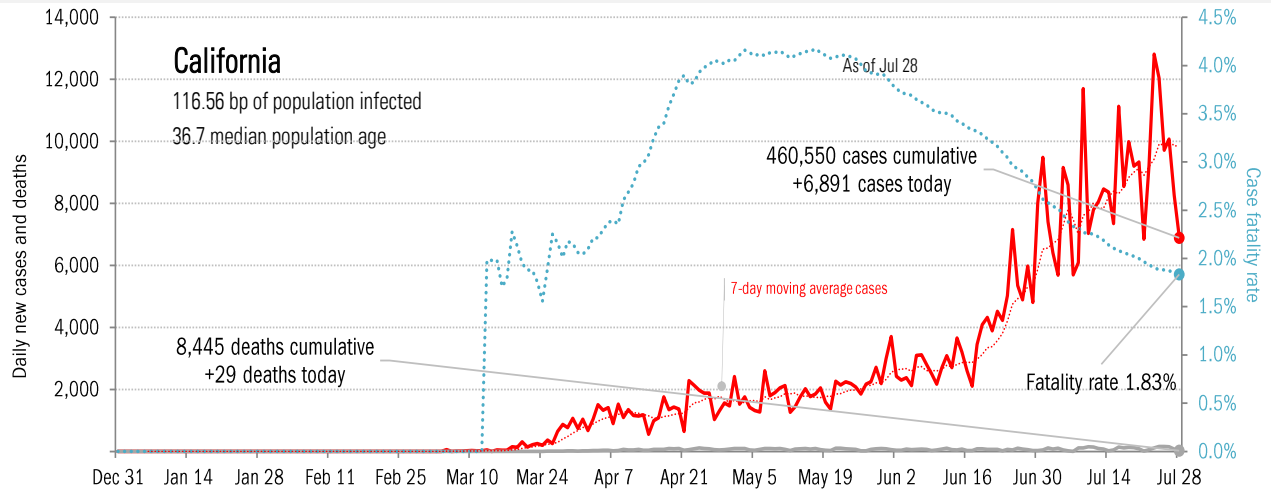
Source: [ECDC](#), [IHME](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



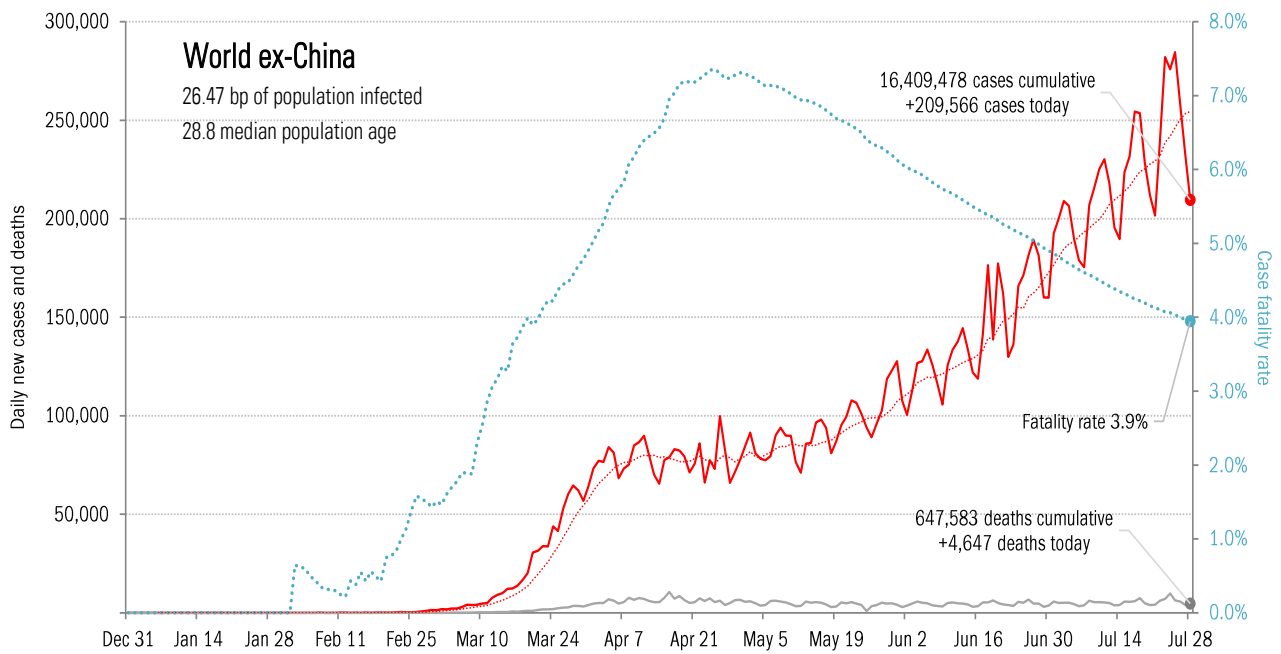
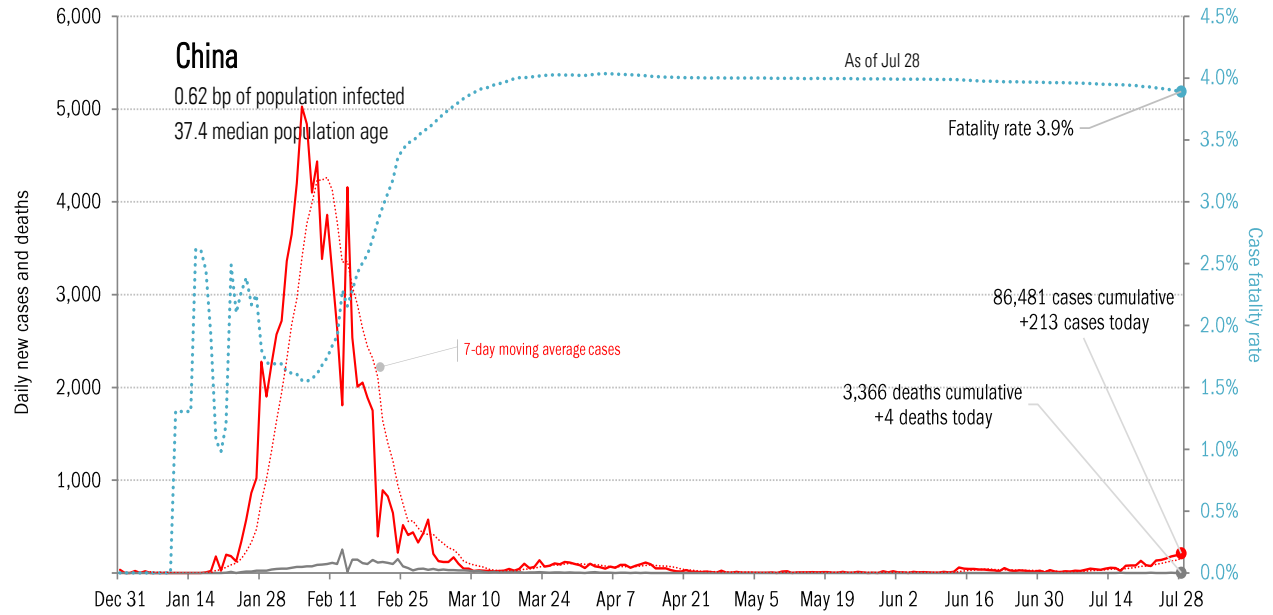
Source: [ECDC](#), TrendMacro calculations

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



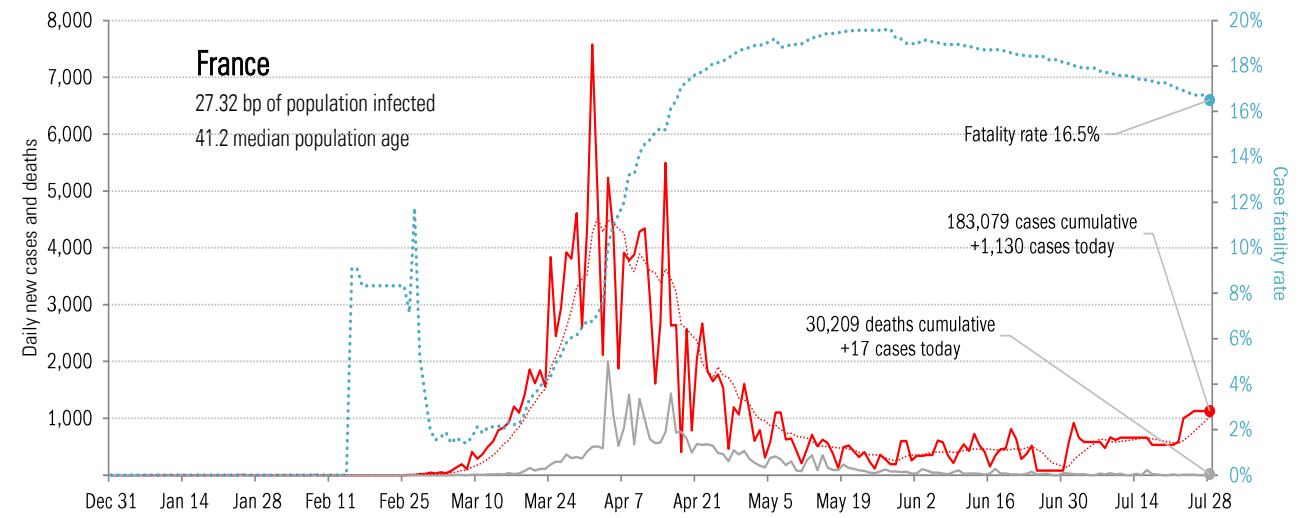
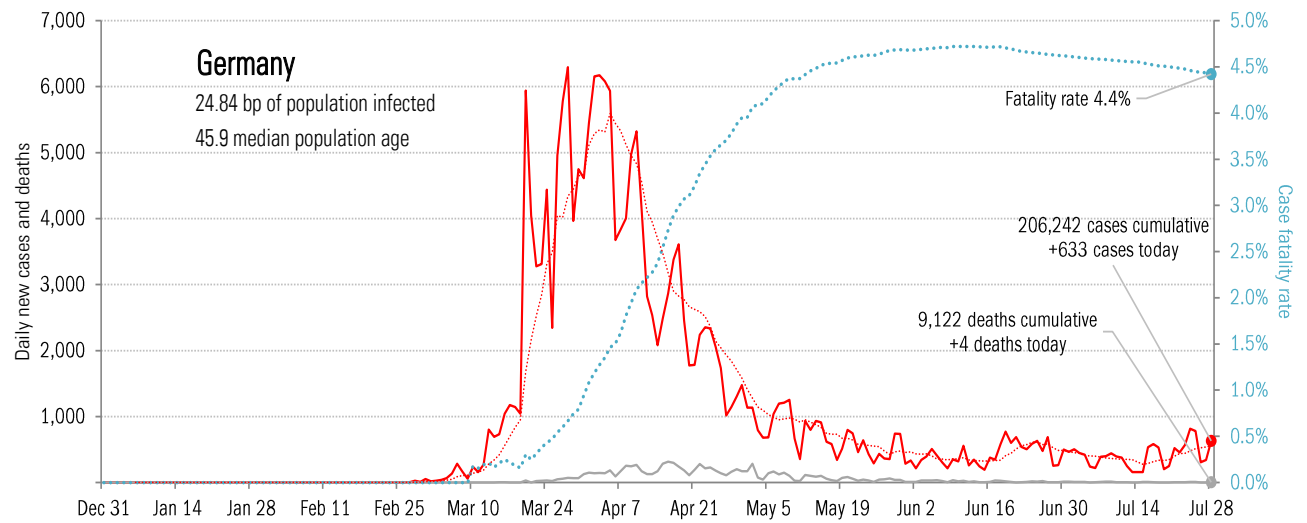
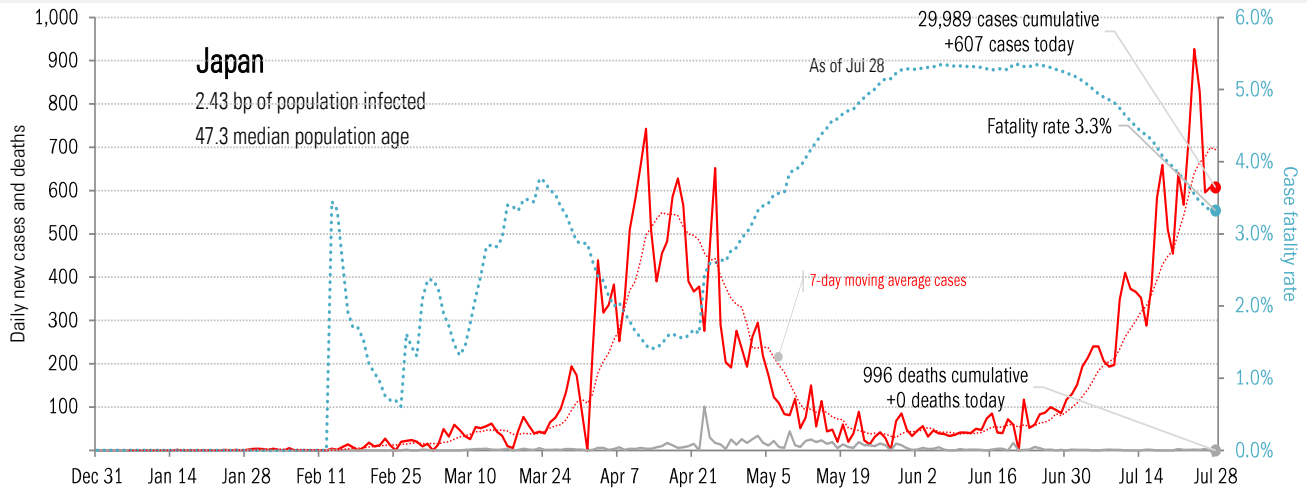
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



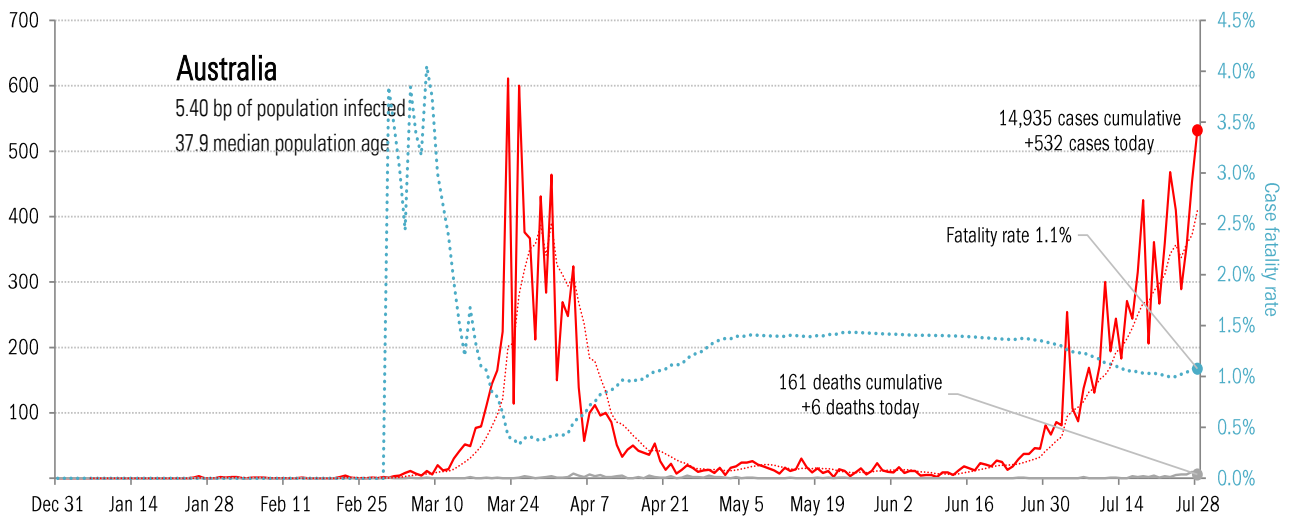
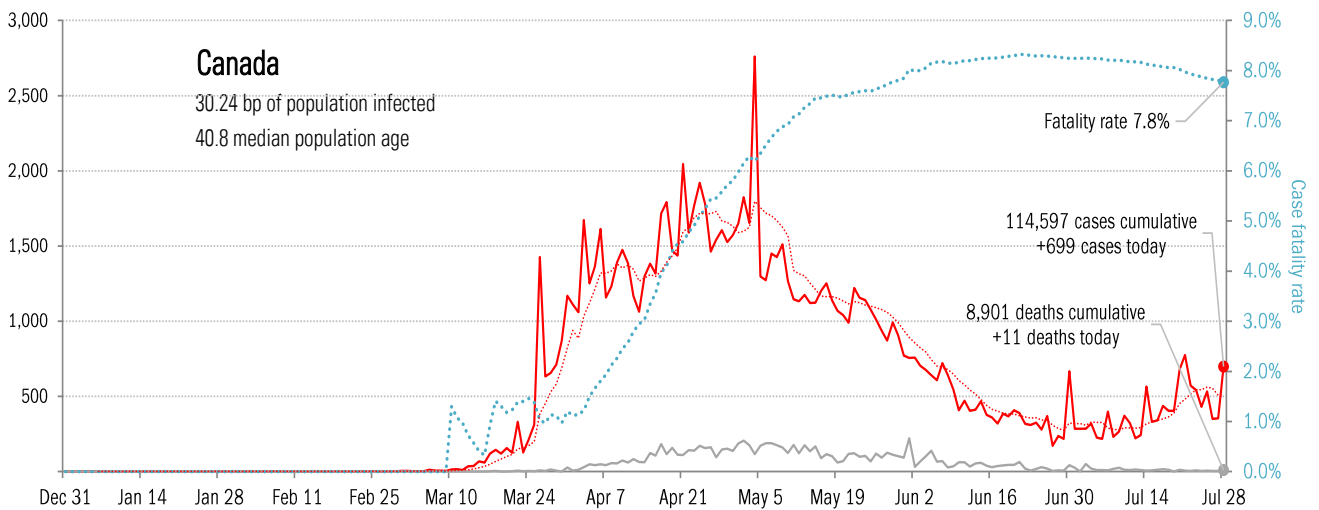
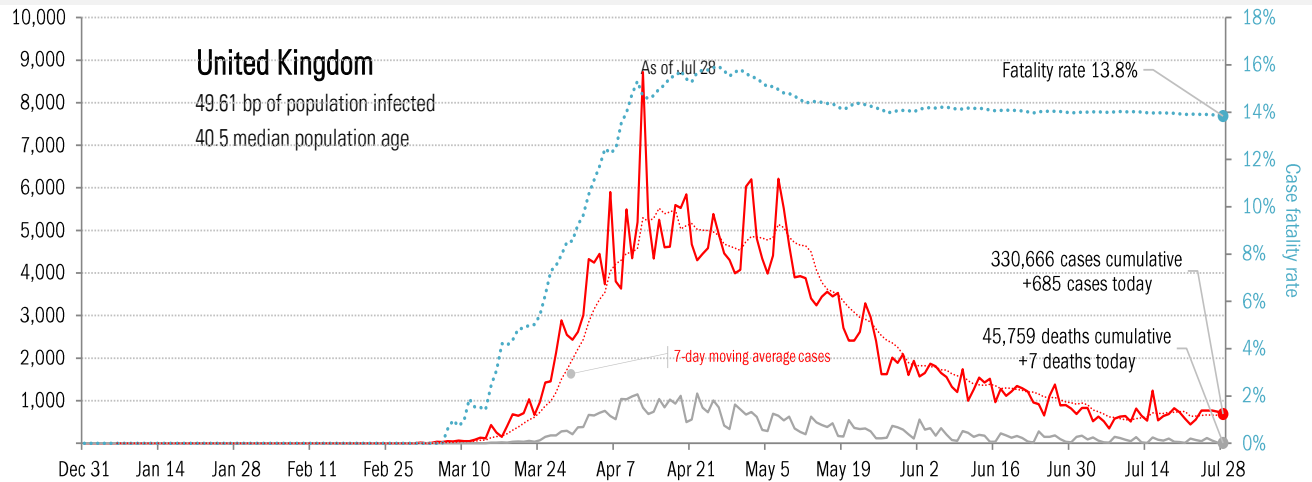
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



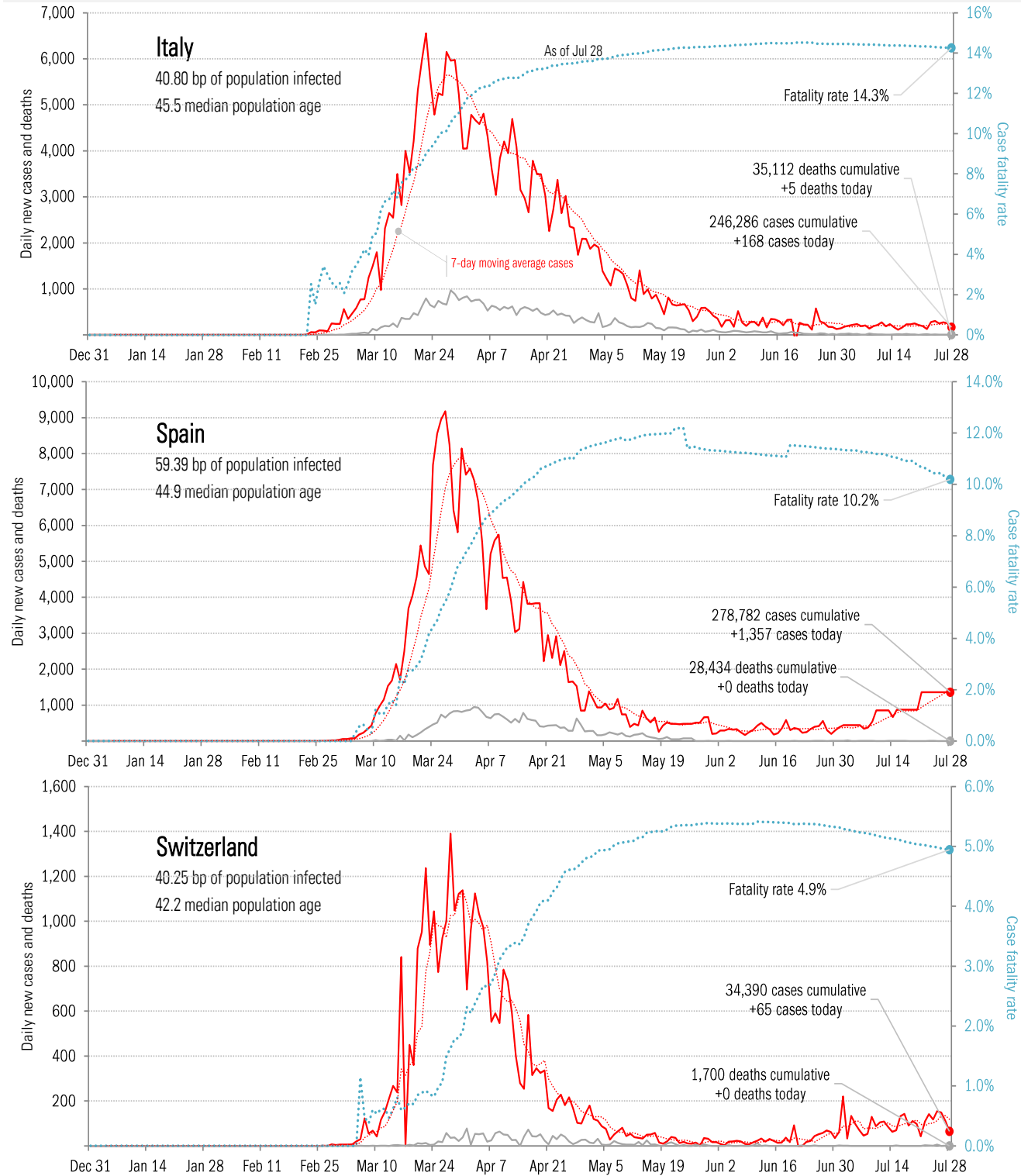
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



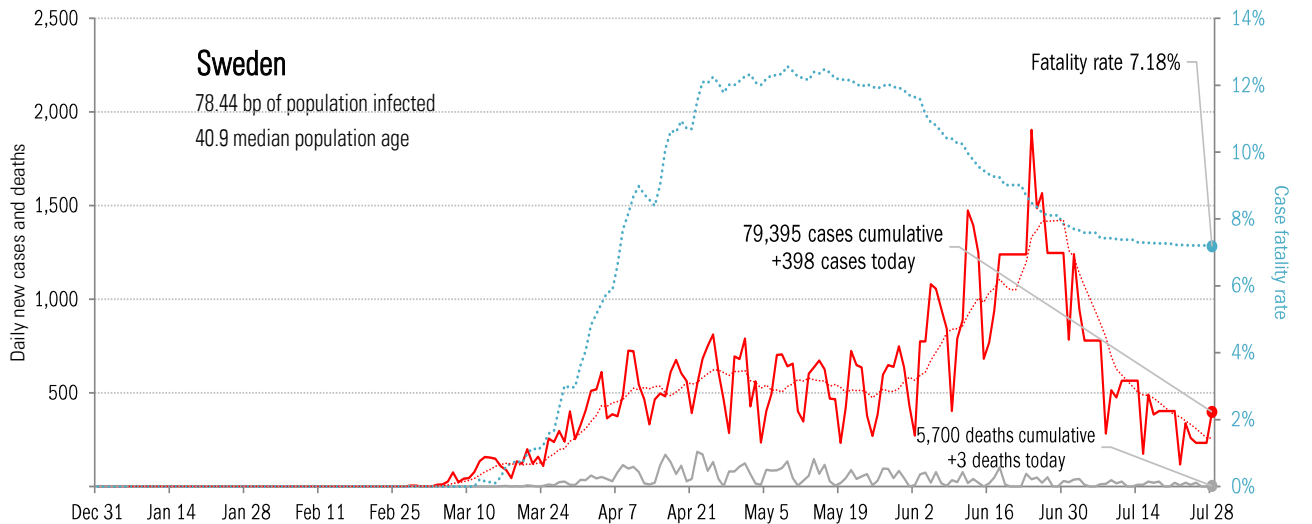
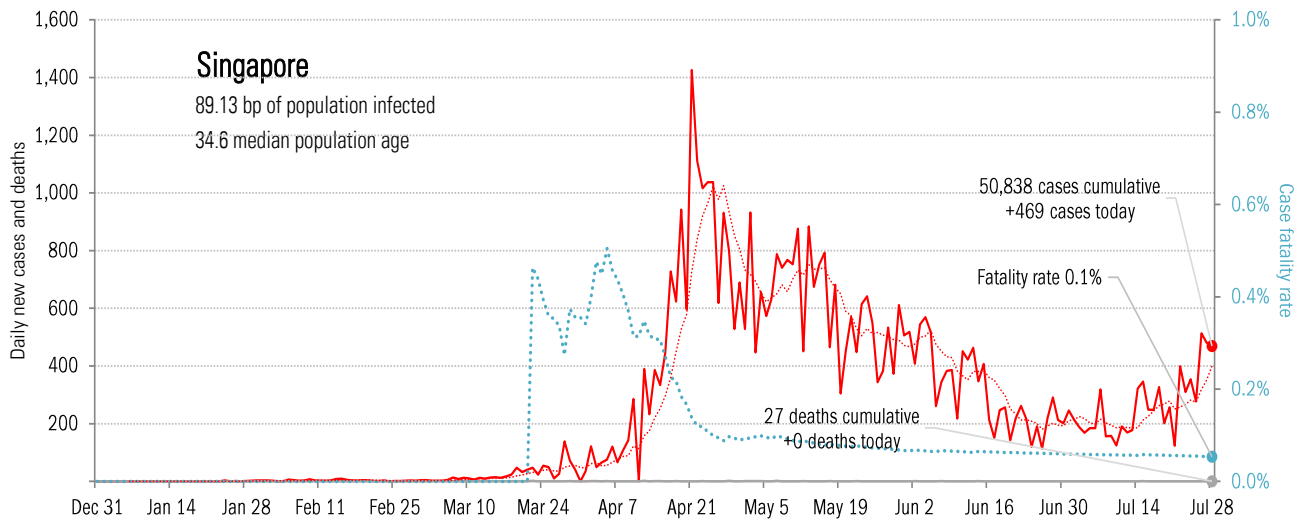
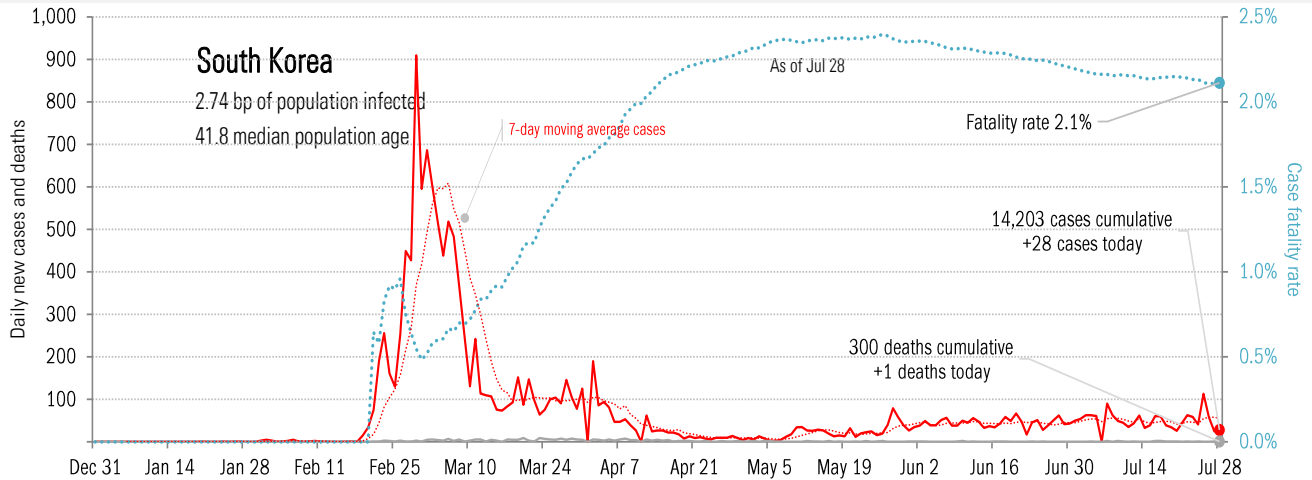
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



Source: [ECDC](#), TrendMacro calculations

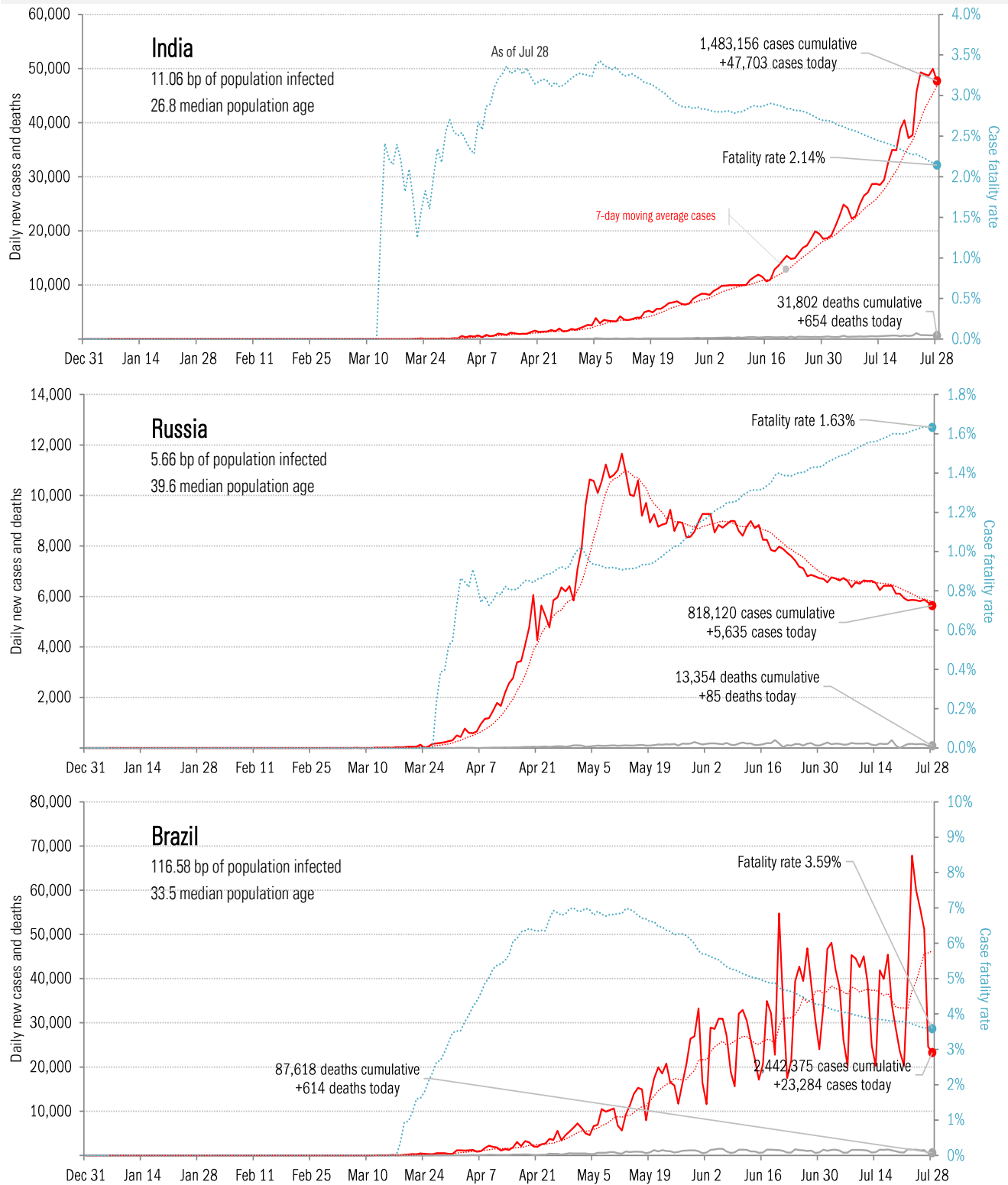
# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

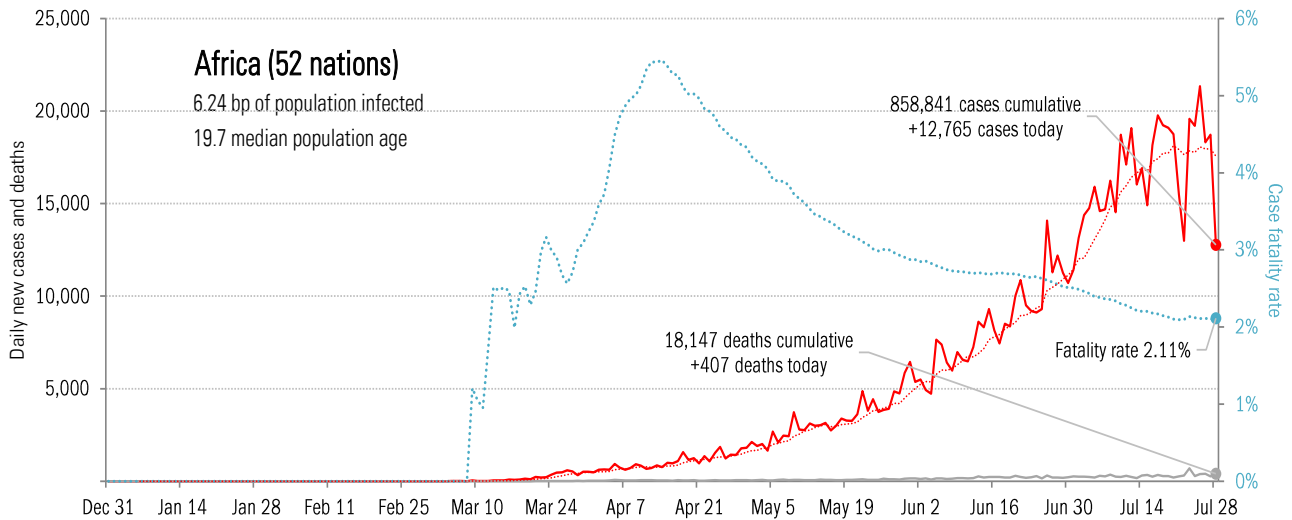
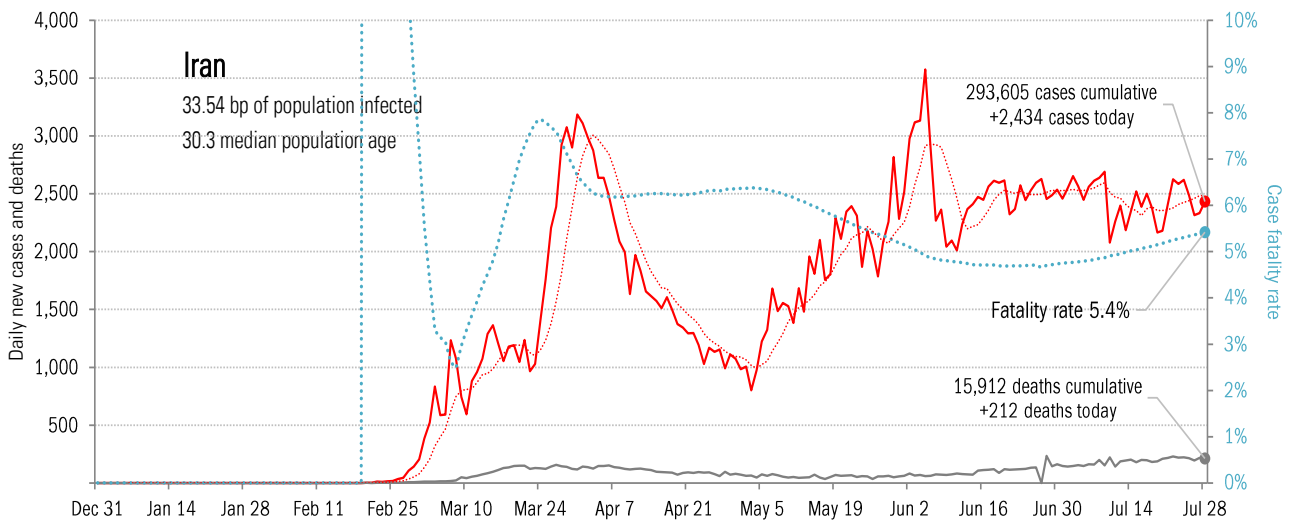
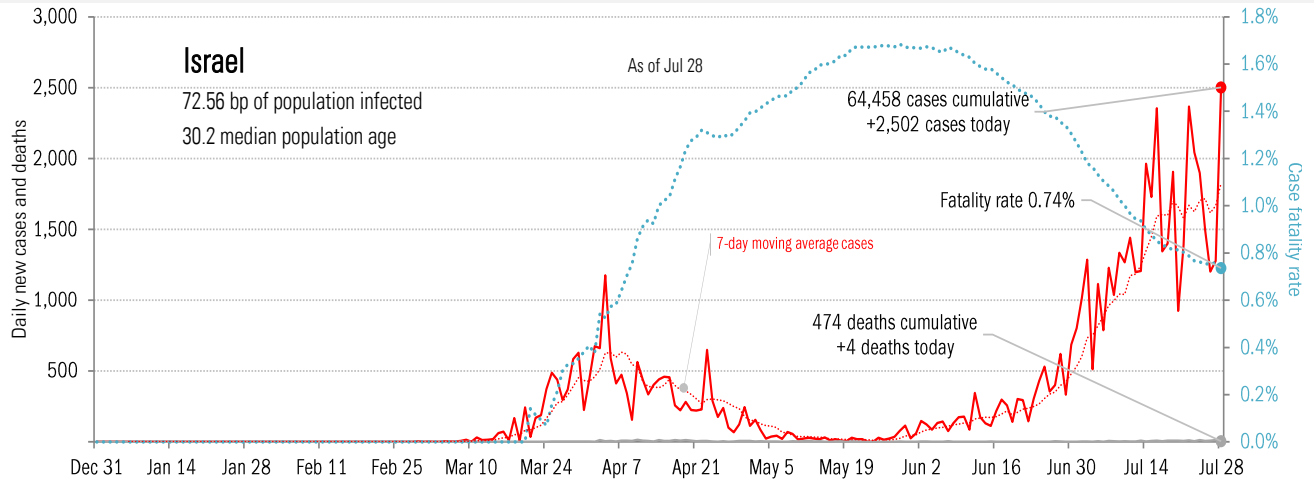


# Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations