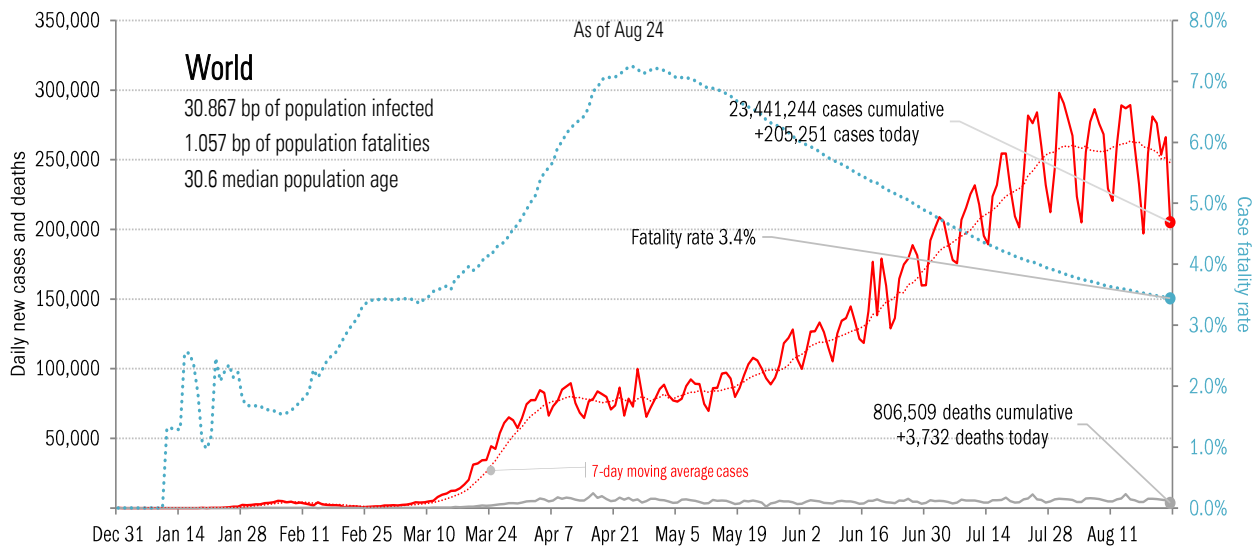
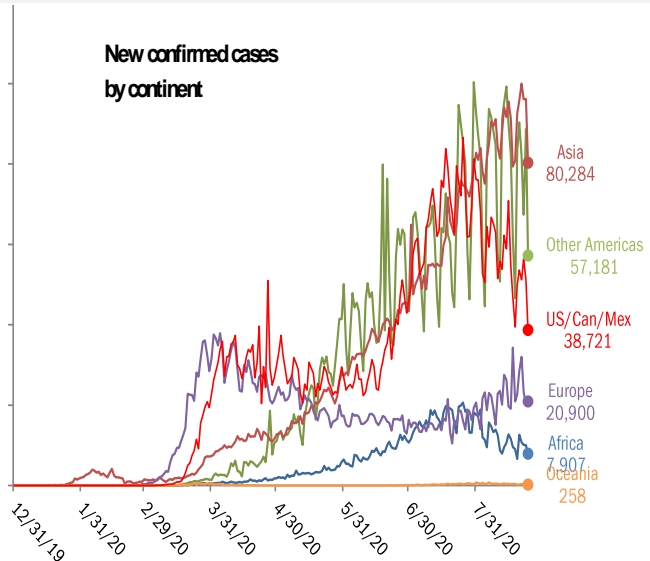


## Data Insights: Covid-2019 Monitor

Monday, August 24, 2020

### The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+61,408	India	+836
US	+34,506	Brazil	+494
Brazil	+23,421	US	+444
Peru	+9,090	Colombia	+348
Colombia	+8,044	Mexico	+226
Argentina	+7,759	Peru	+210
France	+4,897	Iran	+141
Russia	+4,852	Indonesia	+86
Mexico	+3,948	Iraq	+75
Iraq	+3,291	Russia	+73
<b>+161,216</b>		<b>+2,933</b>	
World	+205,251	World	+3,732
Top ten	79%	Top ten	79%



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

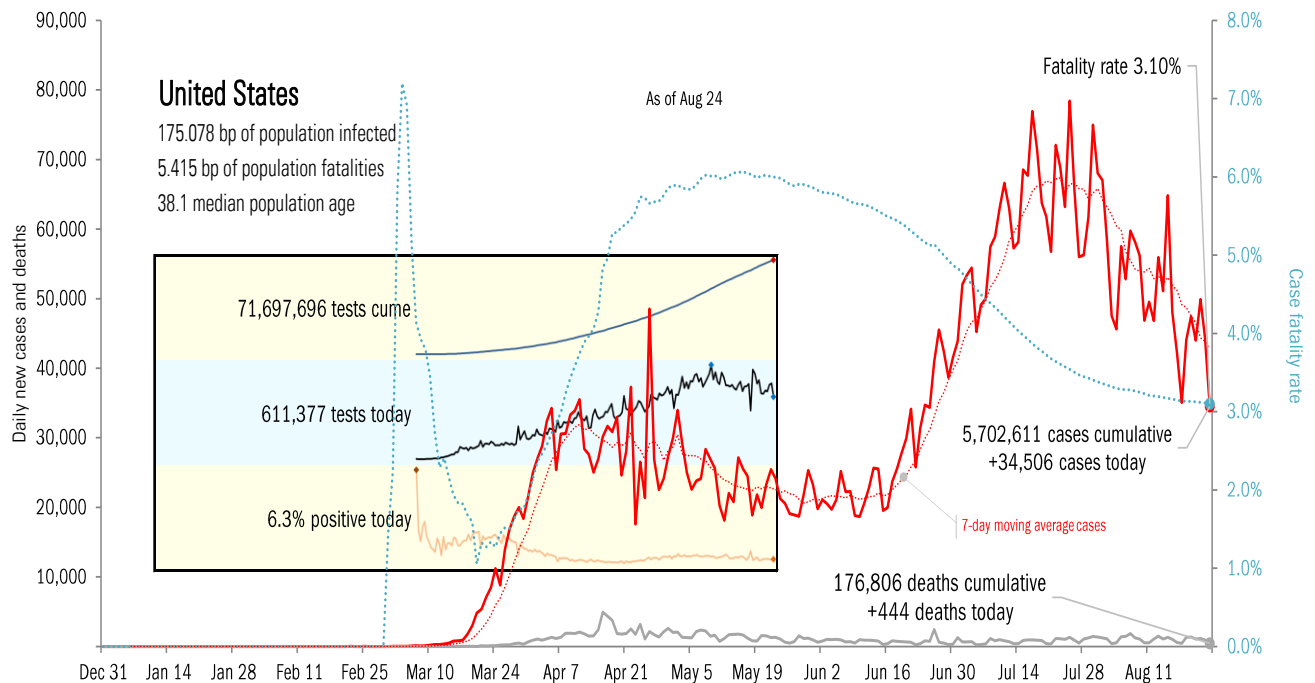
National and state-by-state data do not line up because of different sources

## The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
CA	+6,777	CA	+146	FL	+139	CA	663,669	NY	25,288	NY	89,995
TX	+4,398	TX	+104	MD	+92	FL	600,571	NJ	15,946	FL	36,903
FL	+2,974	LA	+59	VA	+91	TX	577,537	CA	12,134	GA	23,369
IL	+1,893	FL	+51	IN	+62	NY	429,737	TX	11,370	NJ	22,448
TN	+1,854	GA	+40	OK	+54	GA	253,949	FL	10,462	AZ	21,241
GA	+1,727	VA	+24	TN	+50	IL	221,595	MA	8,921	VA	15,598
NC	+1,472	KY	+17	GA	+44	AZ	198,103	IL	8,089	MD	13,956
KY	+1,264	AZ	+15	HI	+40	NJ	189,494	PA	7,578	AL	13,502
LA	+1,223	AR	+13	MN	+38	NC	155,113	MI	6,659	CH	12,800
VA	+894	SC	+11	WA	+31	TN	143,937	GA	5,132	MA	12,256
<b>+24,476</b>		<b>+480</b>		<b>+641</b>		<b>3,433,705</b>		<b>111,579</b>		<b>262,068</b>	
All states	+38,234	All states	+572	All states	+769	All states	5,677,847	All states	168,858	All states	359,382
Top ten	64%	Top ten	84%	Top ten	83%	Top ten	60%	Top ten	66%	Top ten	73%

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-1,337	TX	-111	FL	-200	TX	+5,746
AL	-1,234	FL	-56	AL	-172	CH	+911
TX	-1,161	GA	-54	GA	-156	WI	+787
GA	-865	AZ	-53	AZ	-91	MN	+675
AZ	-788	SC	-23	NJ	-49	TN	+628



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

## Recommended reading

### [FDA Authorizes Convalescent Plasma for Covid-19 Use](#)

Thomas M. Burton and Amy Dockser Marcus  
*Wall Street Journal*  
August 23, 2020

### [F.D.A. Allows Expanded Use of Plasma to Treat Coronavirus Patients](#)

Sharon LaFraniere, Sheri Fink, Katie Thomas and Maggie Haberman  
*New York Times*  
August 23, 2020

### [Trump Says FDA Approval to Expand Covid Treatment With Plasma](#)

Kevin Cirilli and Tony Czuczka  
*Bloomberg*  
August 23, 2020

### [Trump to Present Virus Therapy 'Breakthrough' After Hitting FDA](#)

Tony Czuczka  
*Bloomberg*  
August 23, 2020

### [At least 13 people die in stampede, as police raid nightclub breaking coronavirus restrictions](#)

Jimena de la Quintana and Daniel Silva  
*CNN*  
August 23, 2020

### [EU trade chief Hogan won't resign over Ireland COVID-19 breach](#)

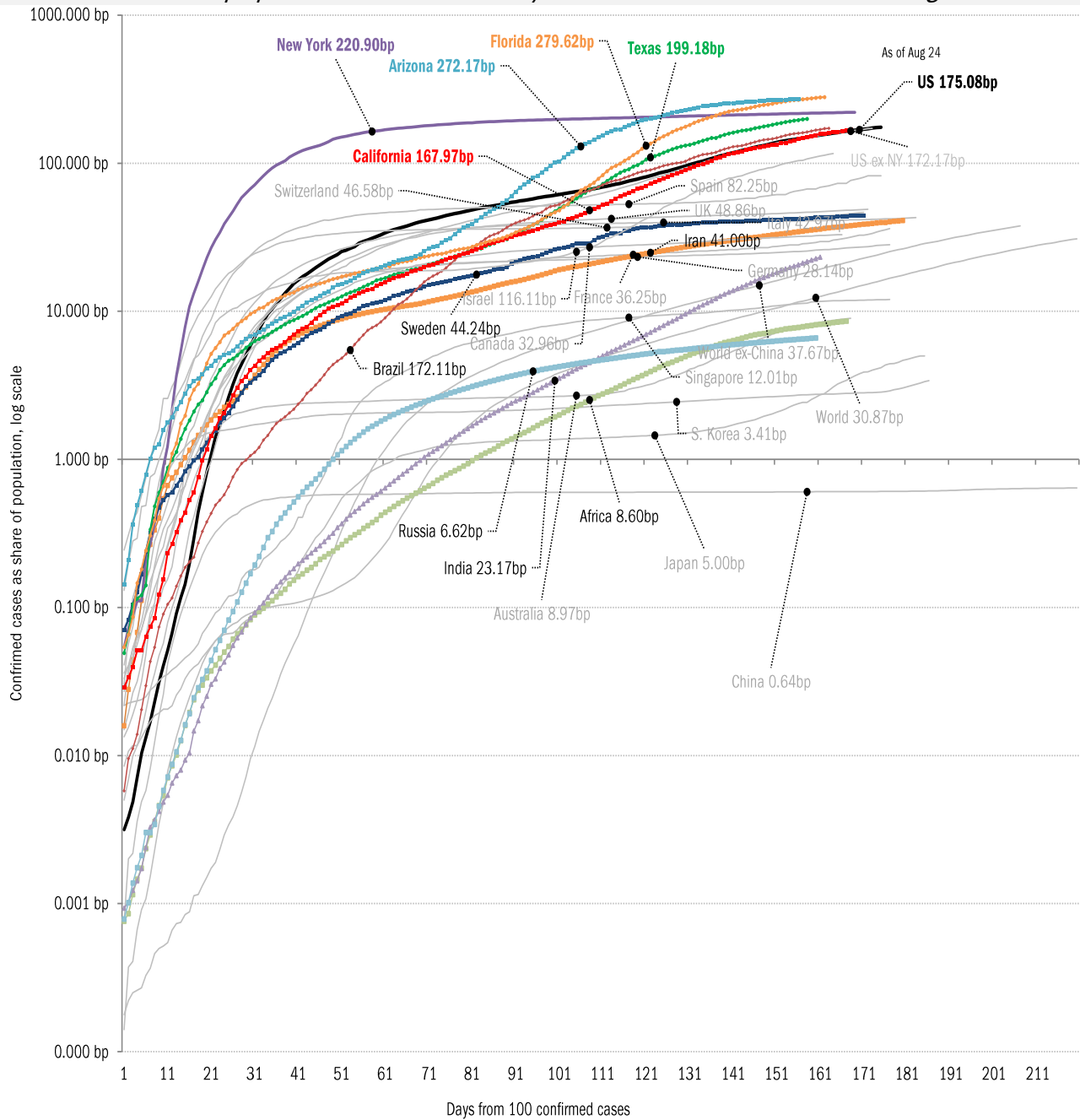
*Reuters*  
August 23, 2020

## Meme of day



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

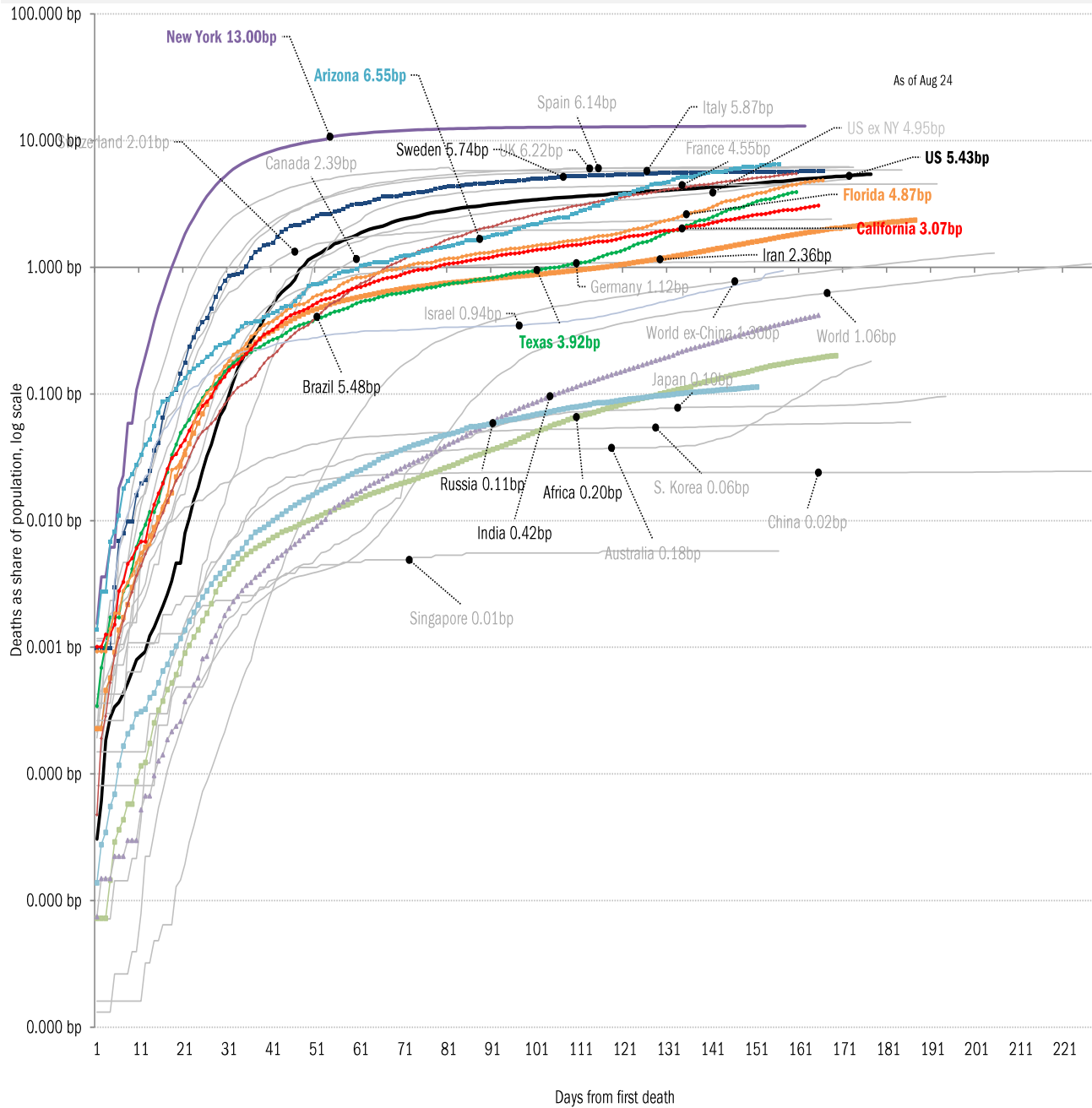
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [ECDC](#), TrendMacro calculations

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

## Share of deceased population from day of first fatality

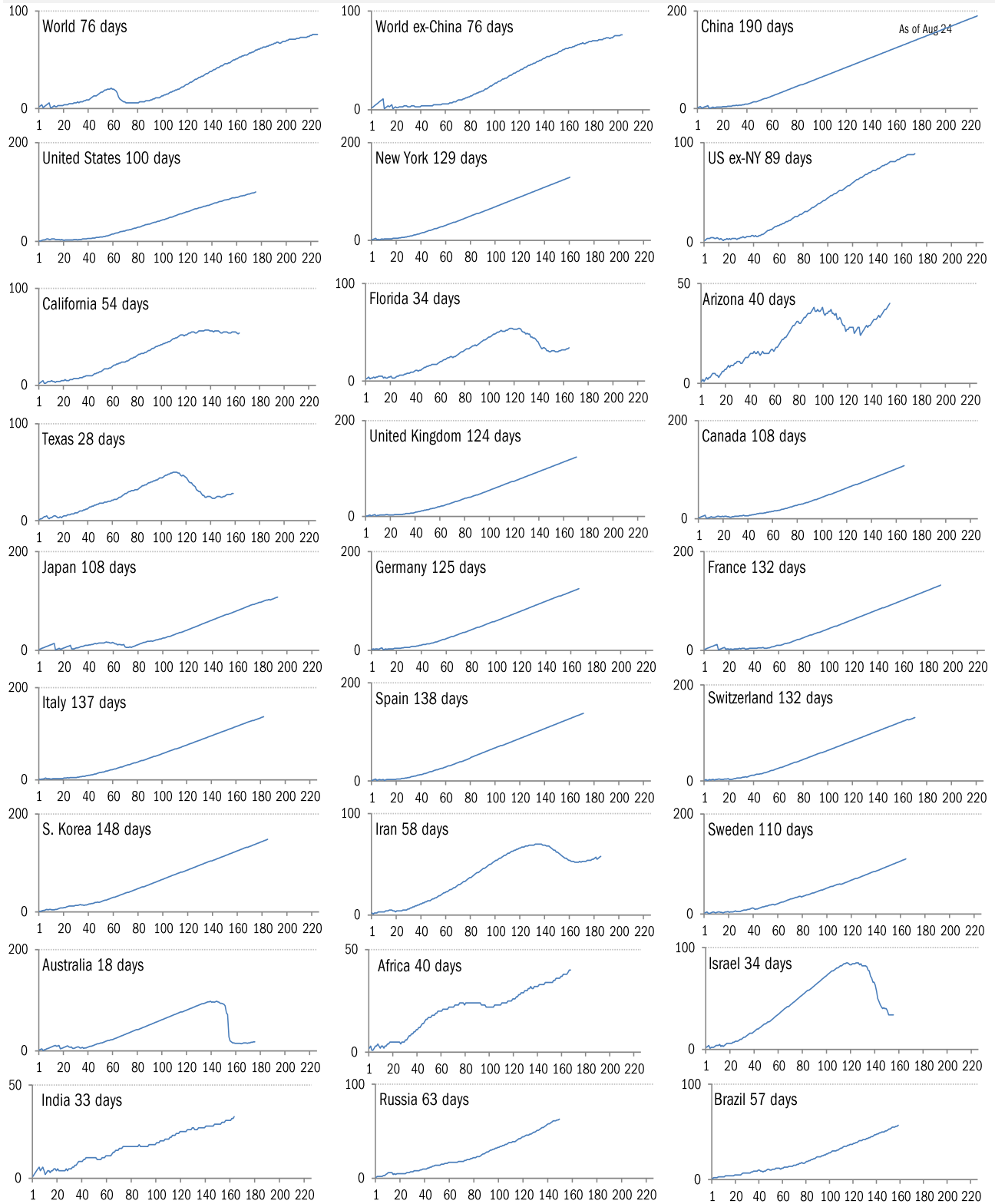


Source: [ECDC](#), TrendMacro calculations

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

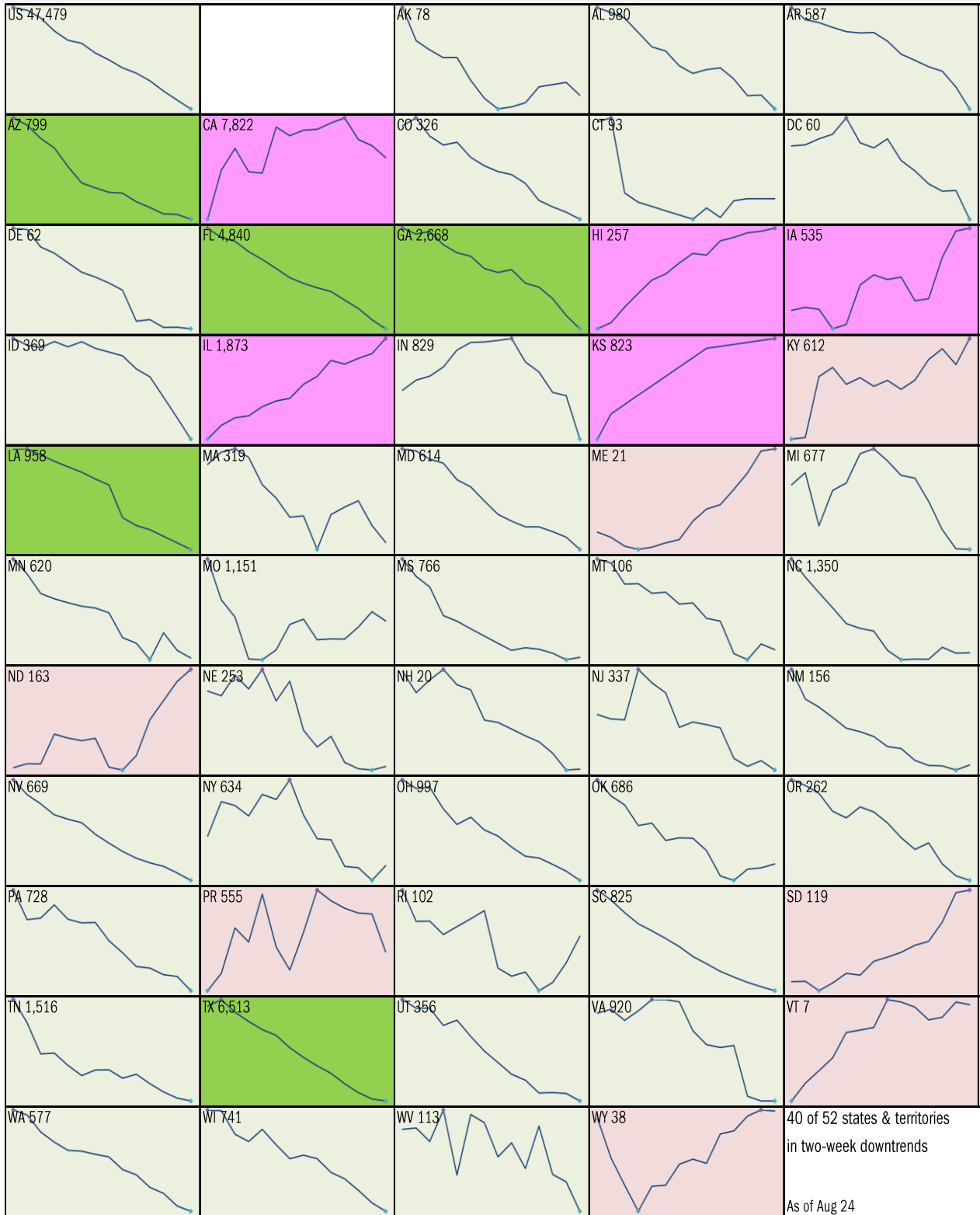
Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



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

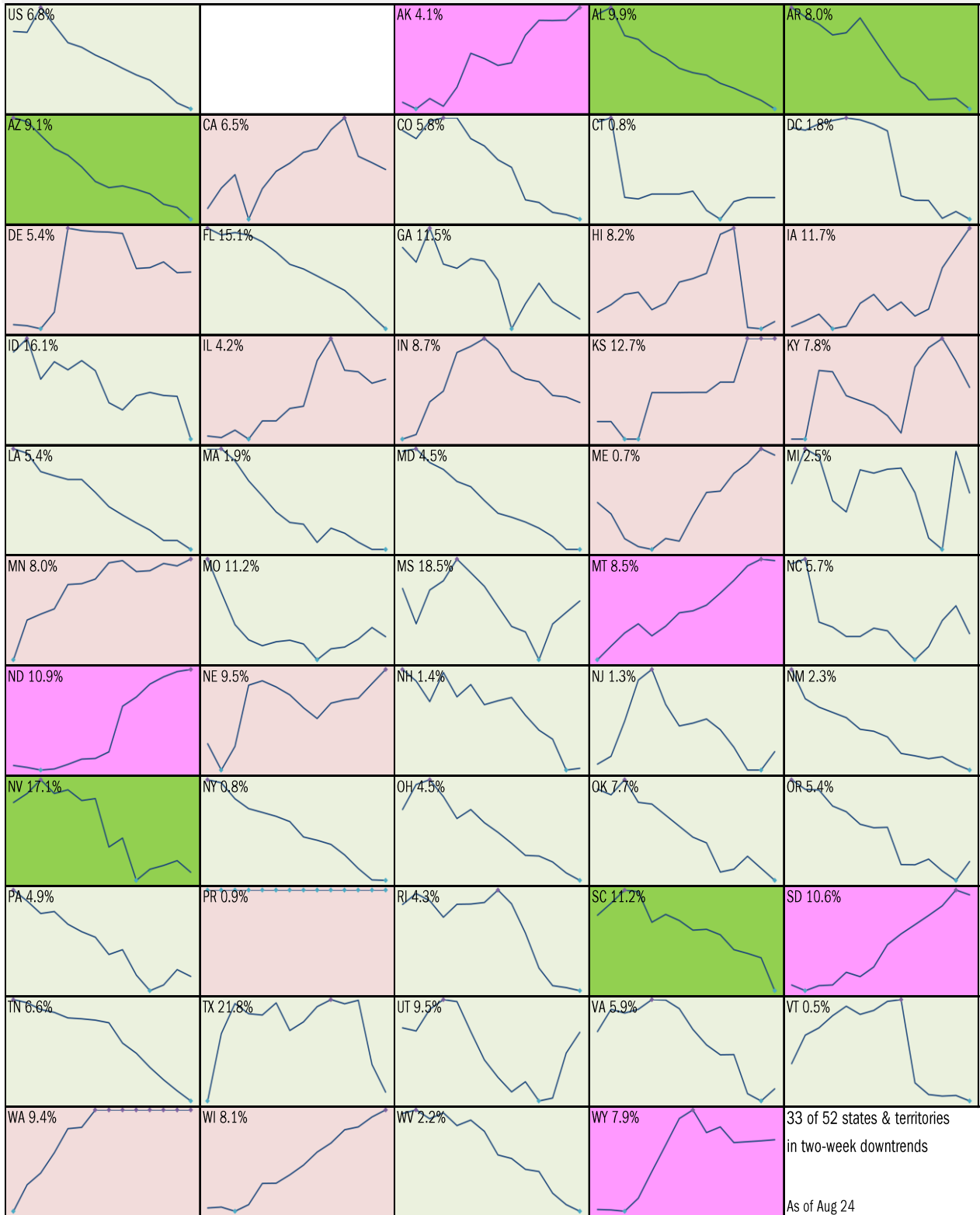


Source: [Covid Tracking Project](#), TrendMacro calculations

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

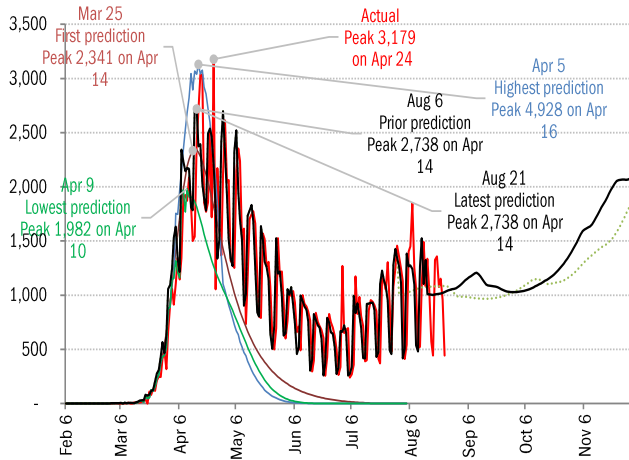


# Reality-checking the models: actuals versus [IHME](#) predictions

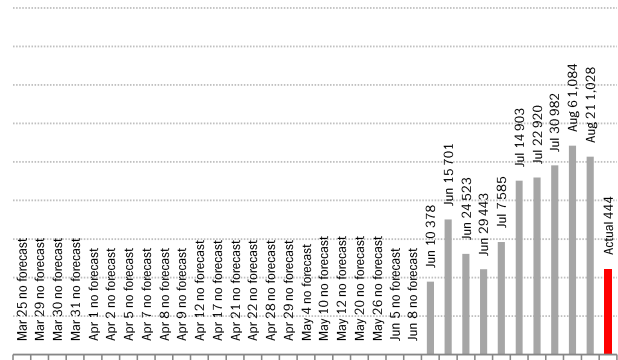
## New daily fatalities

As of Aug 24

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

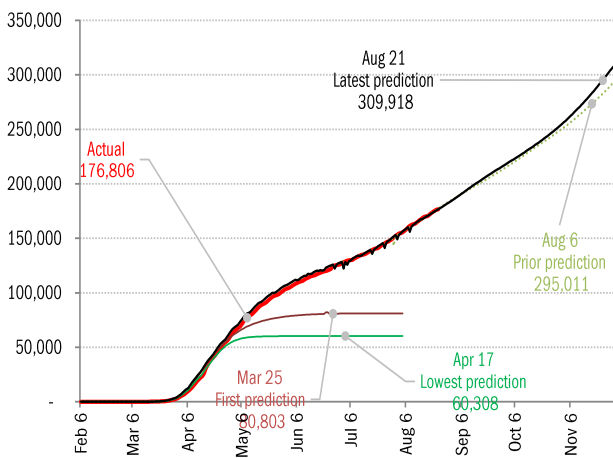


For this day, versus all model mean predictions

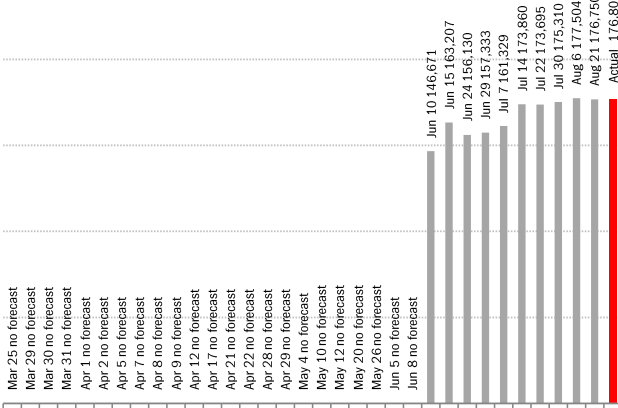


## Cumulative fatalities

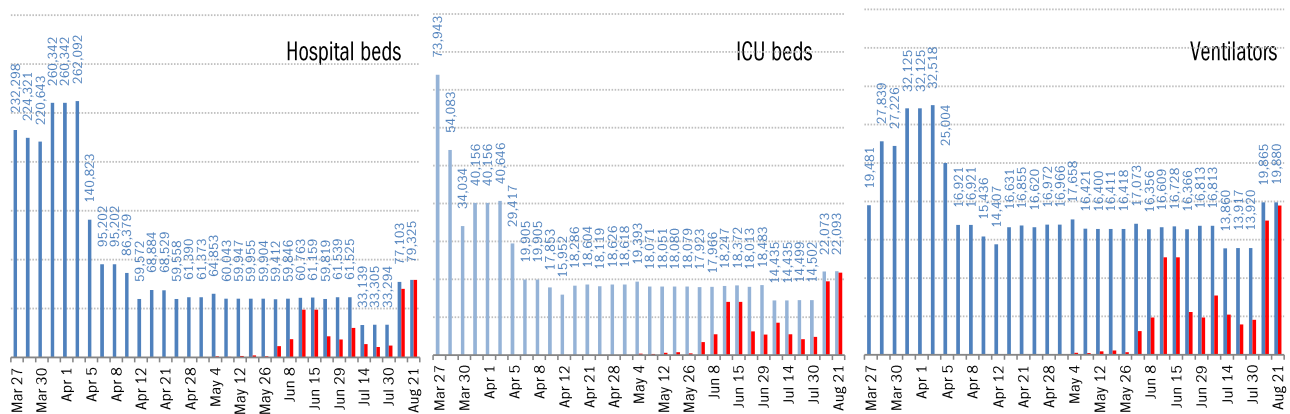
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

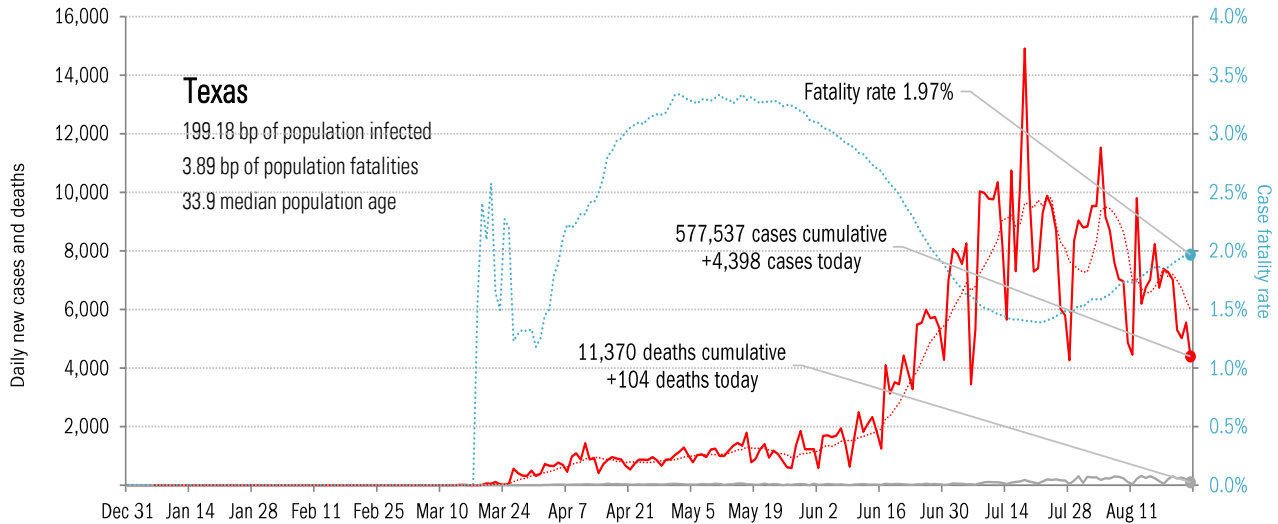
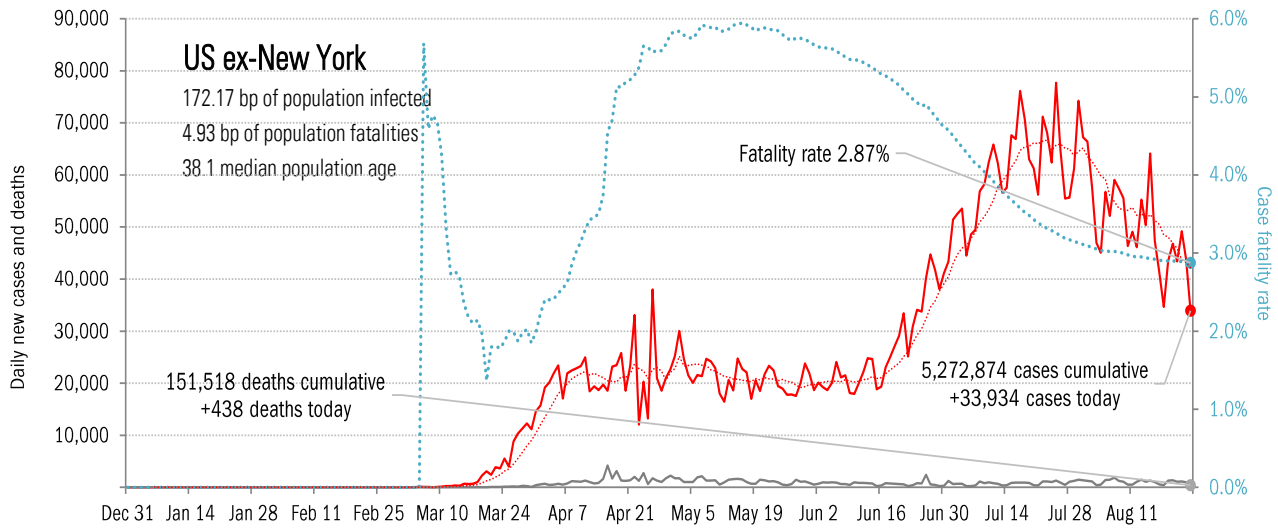
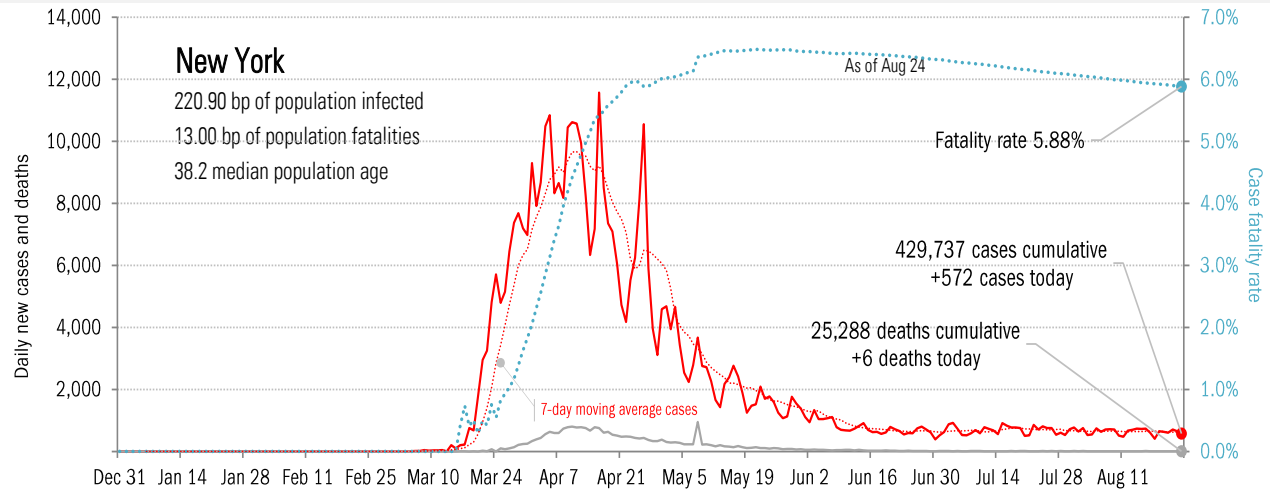


## Healthcare system stress, **peak** and **ultimate** estimated at each model revision



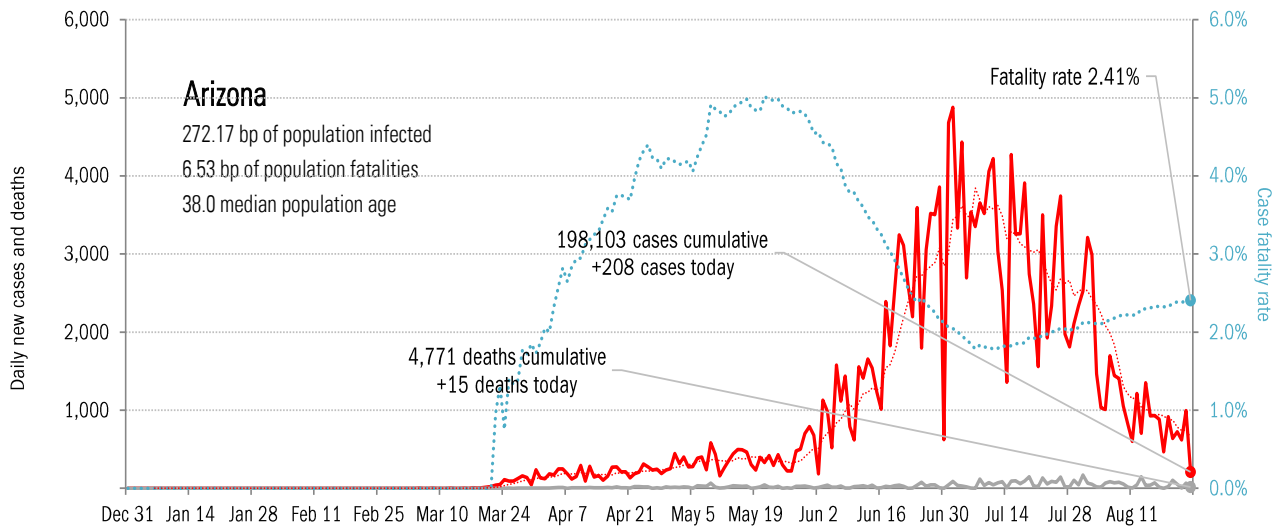
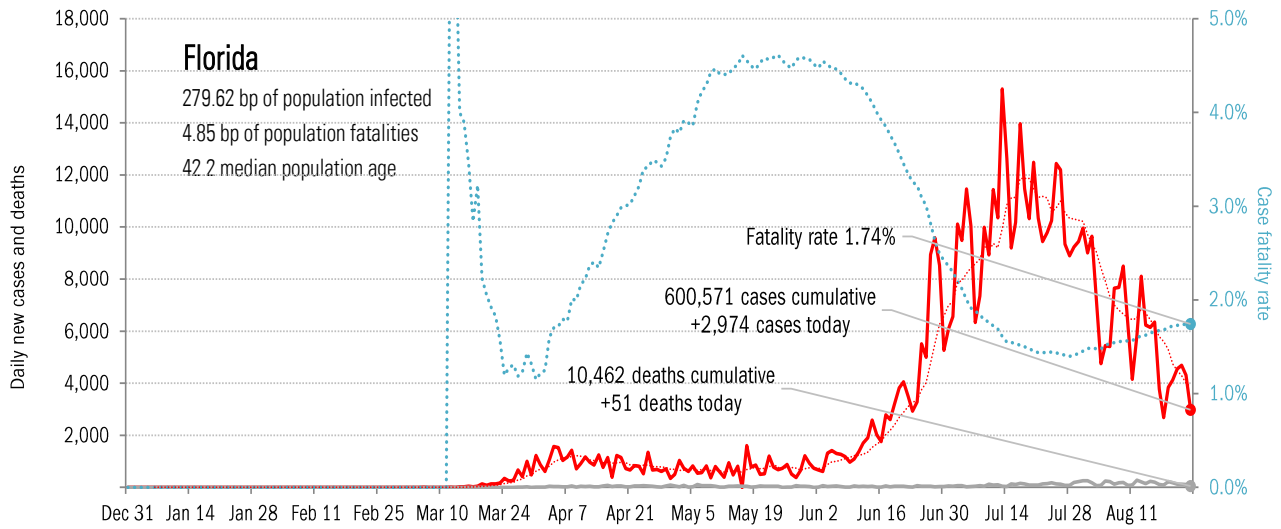
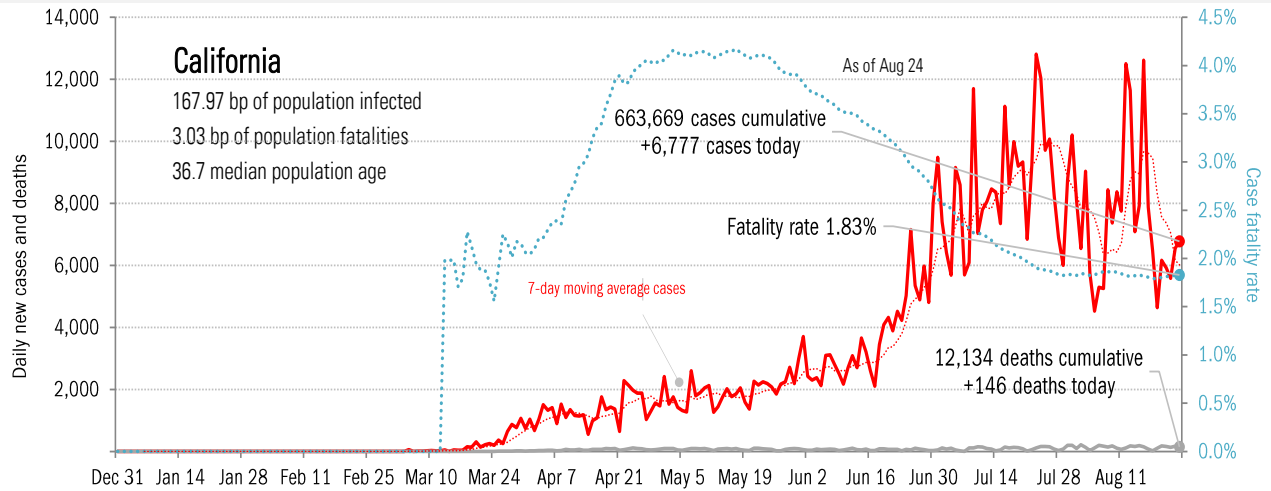
Source: [ECDC](#), [IHME](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



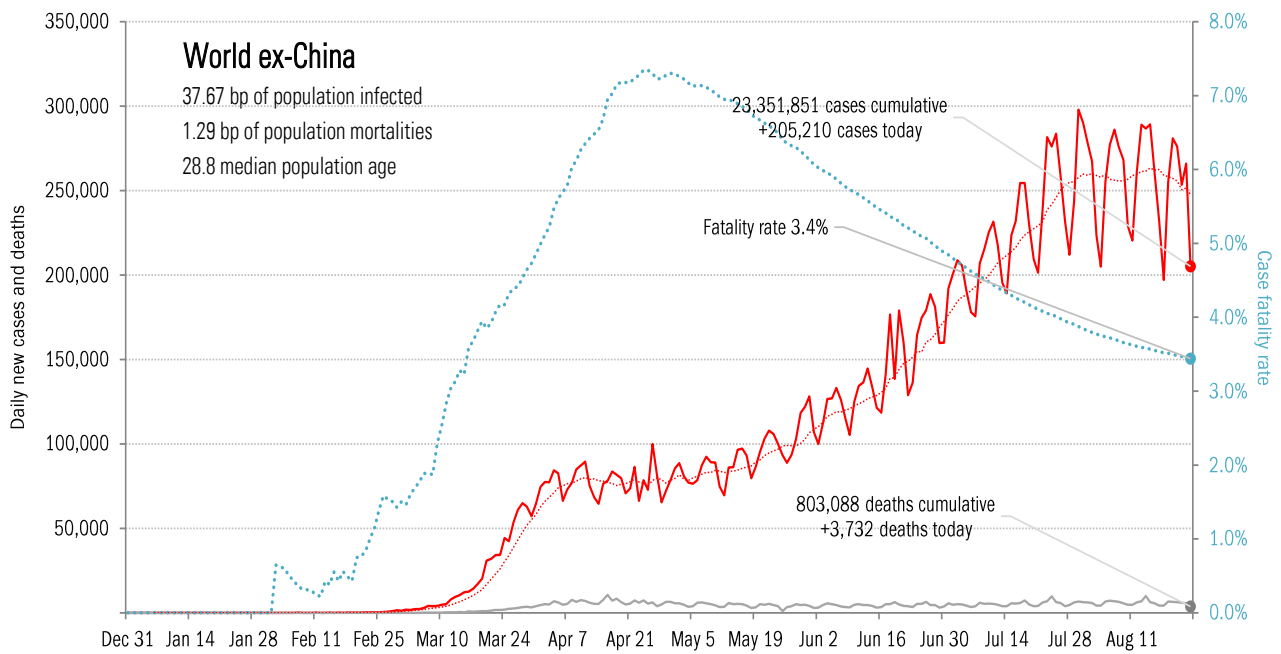
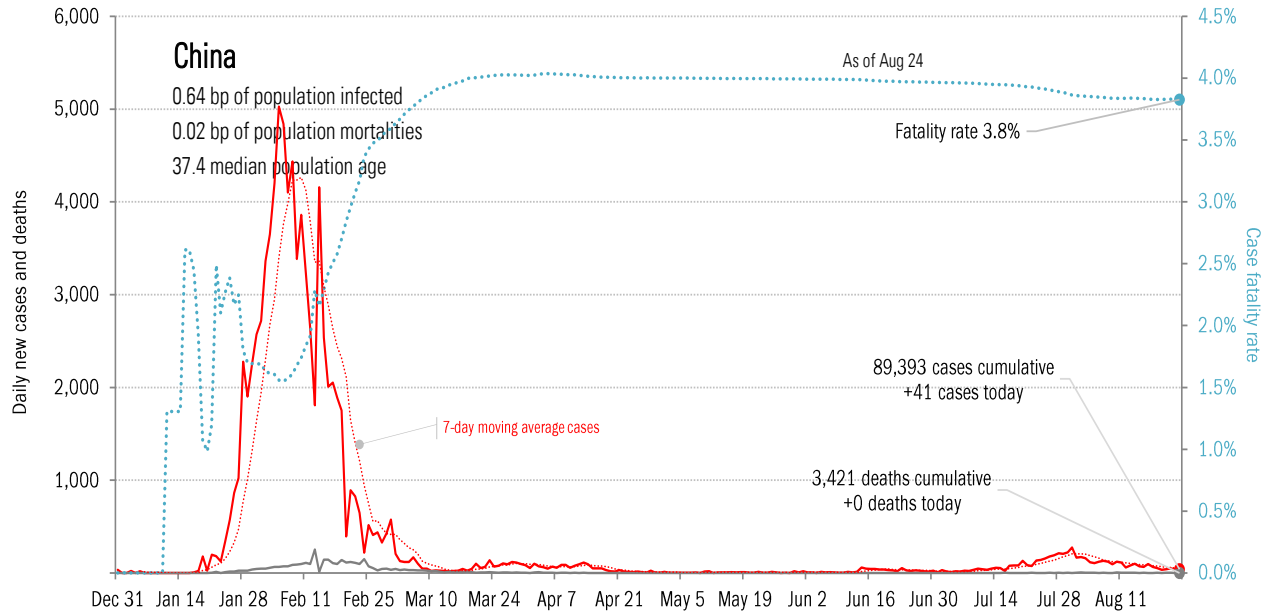
Source: [ECDC](#), TrendMacro calculations

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



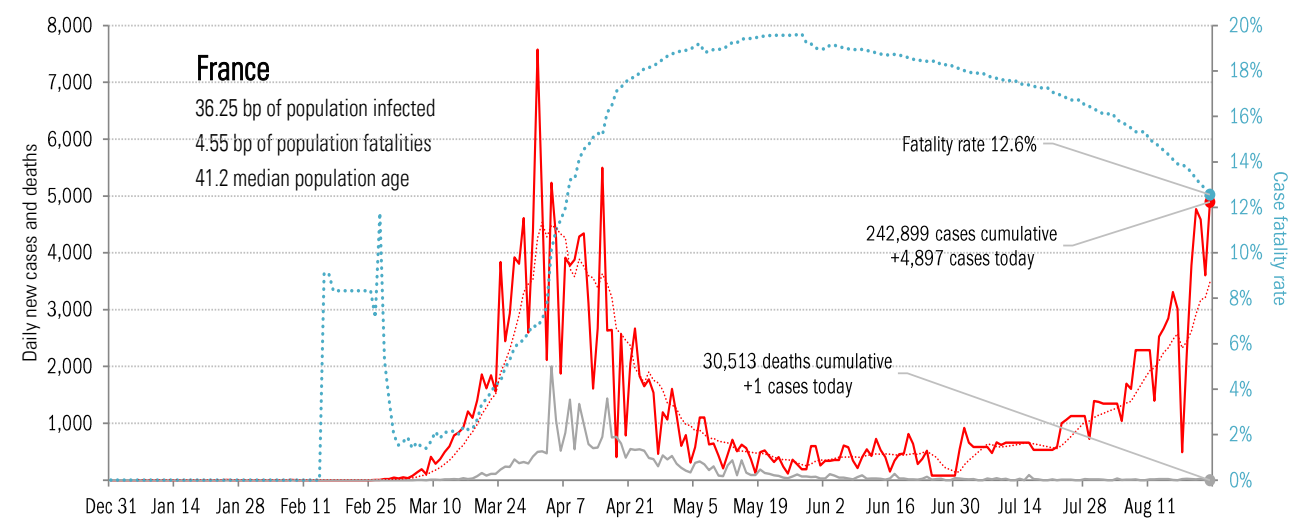
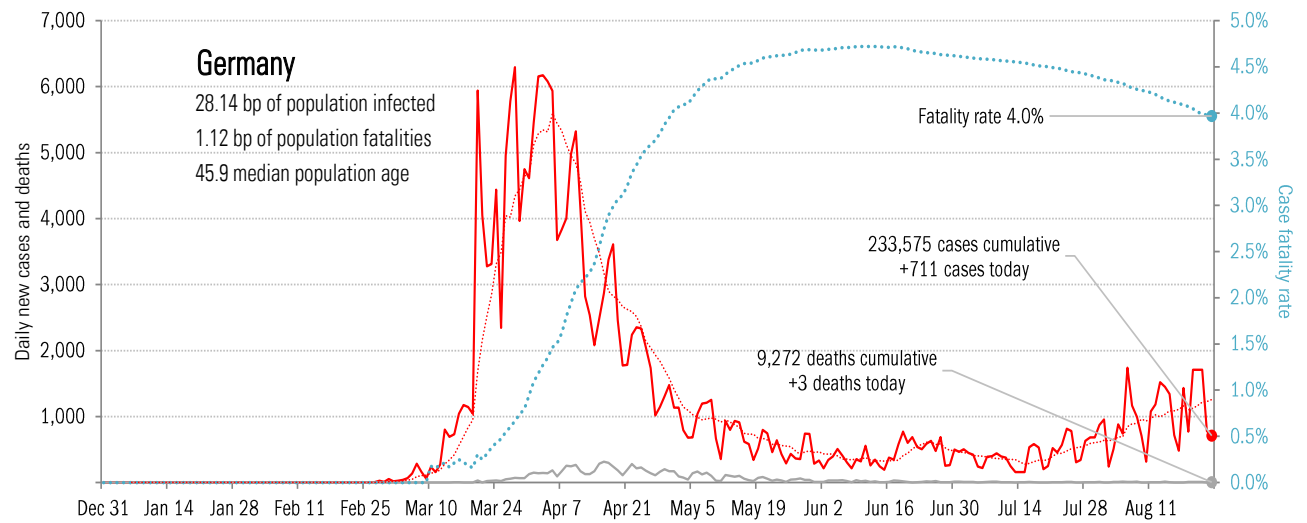
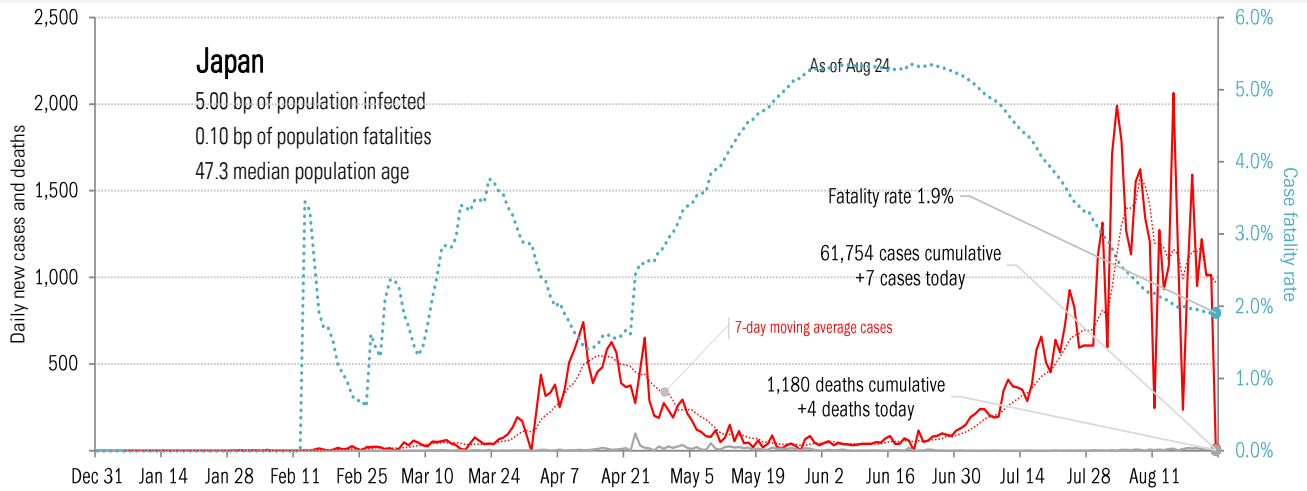
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



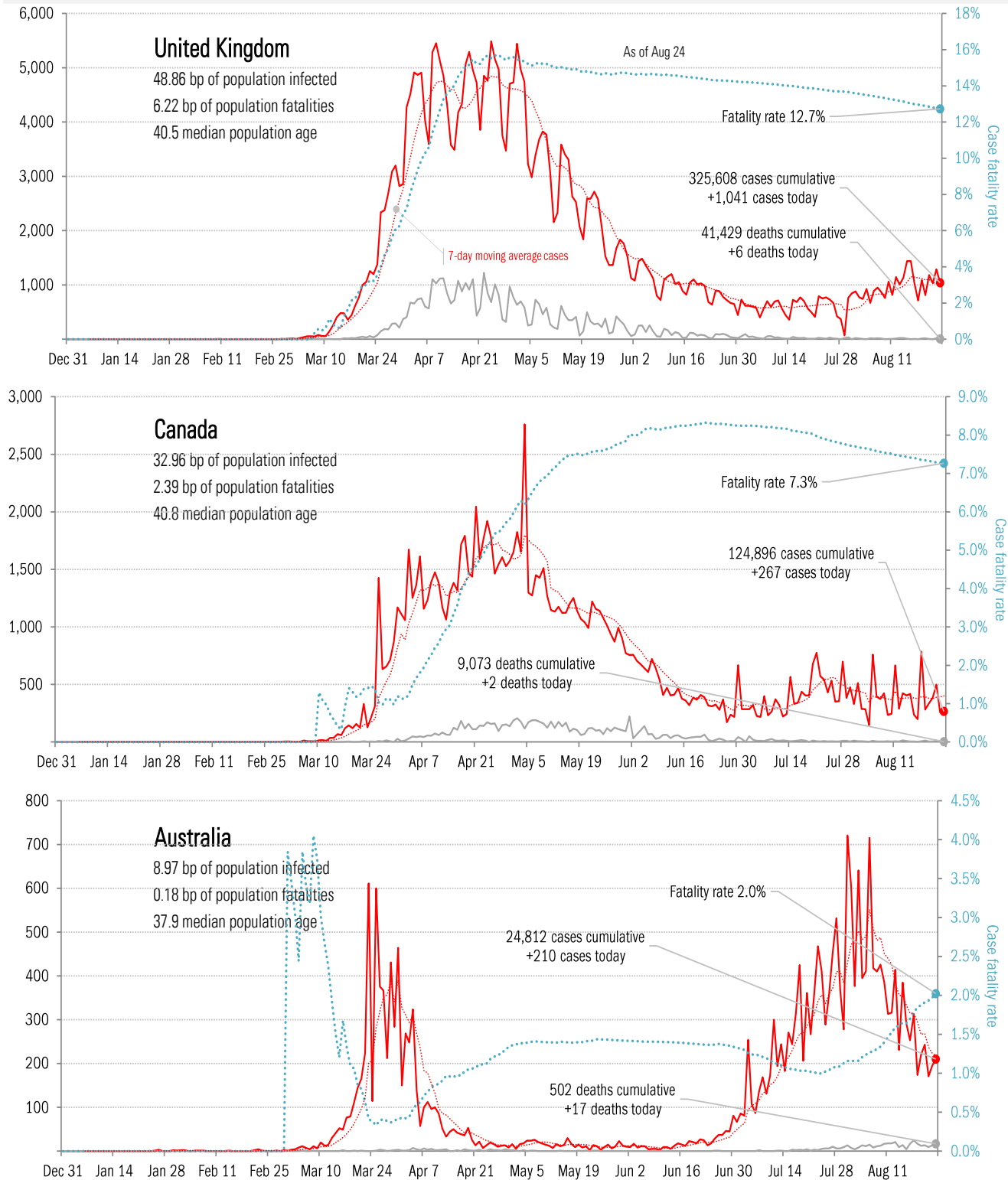
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



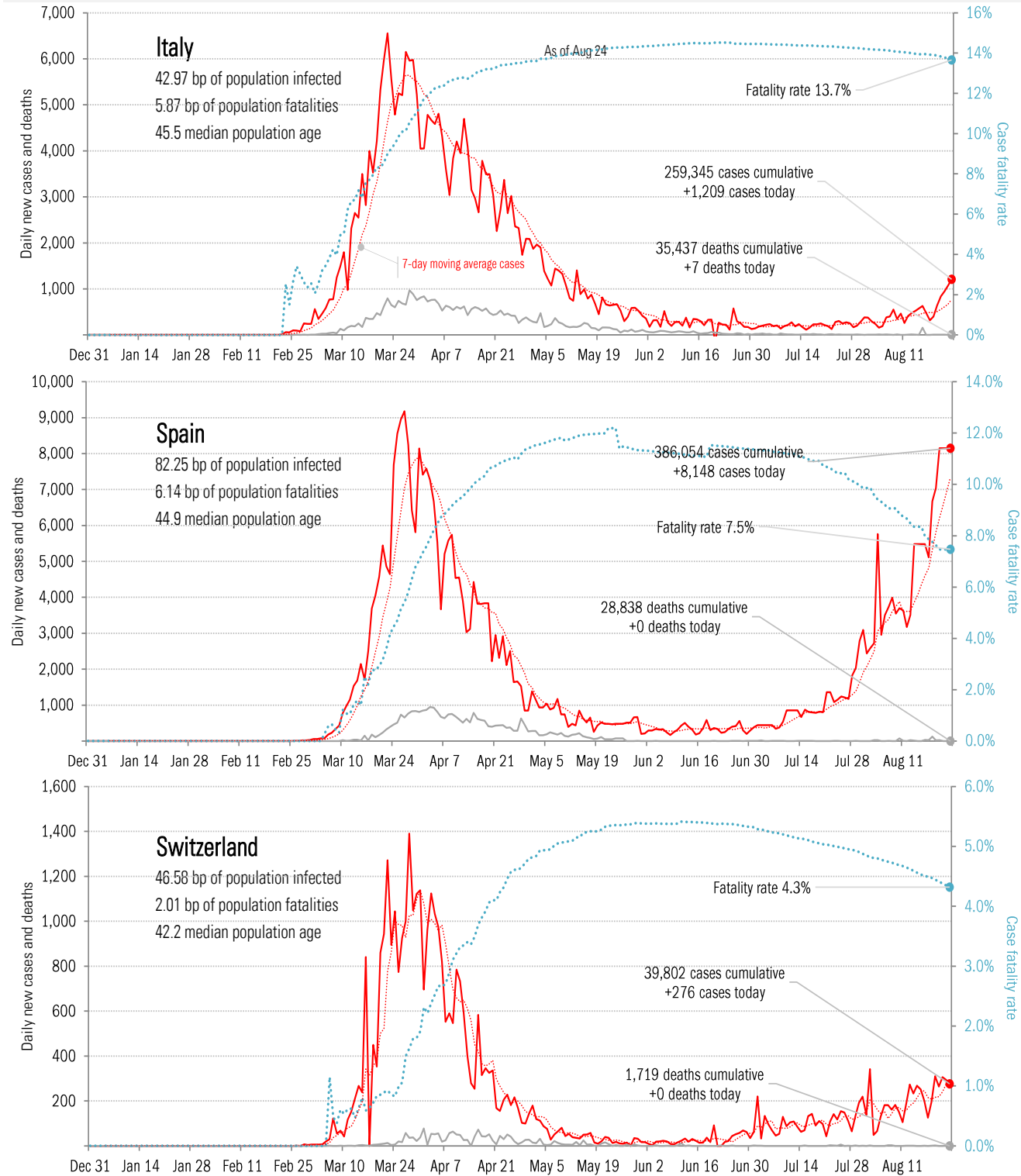
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



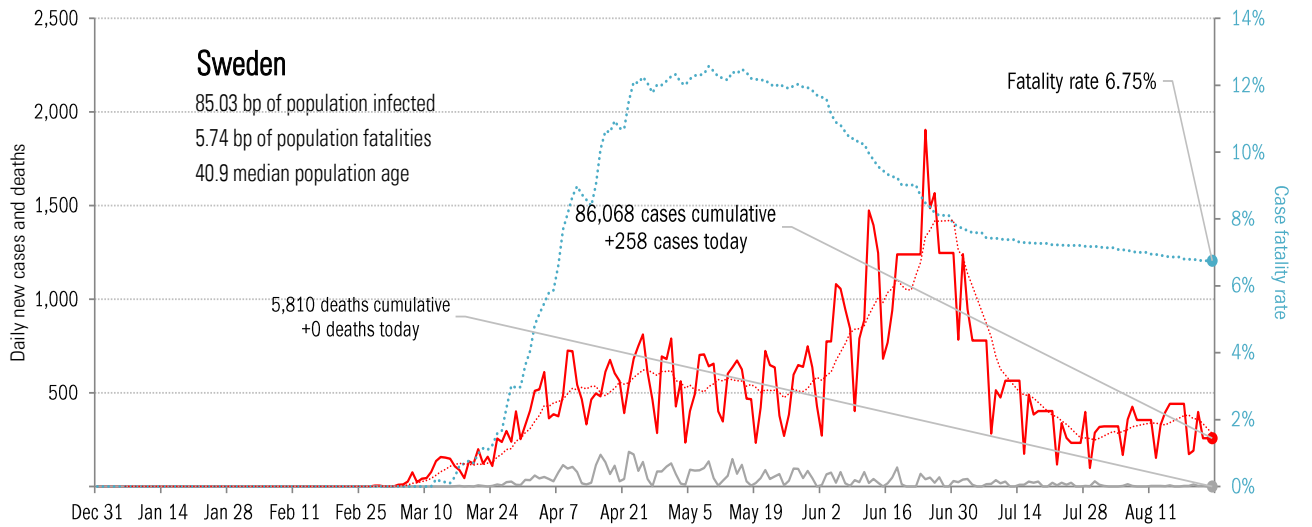
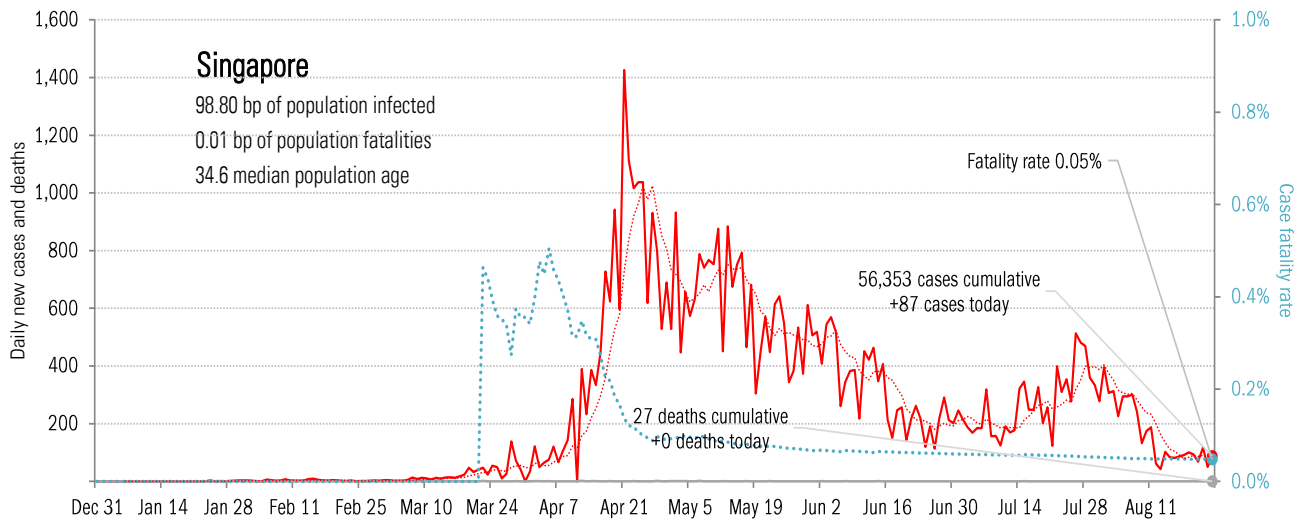
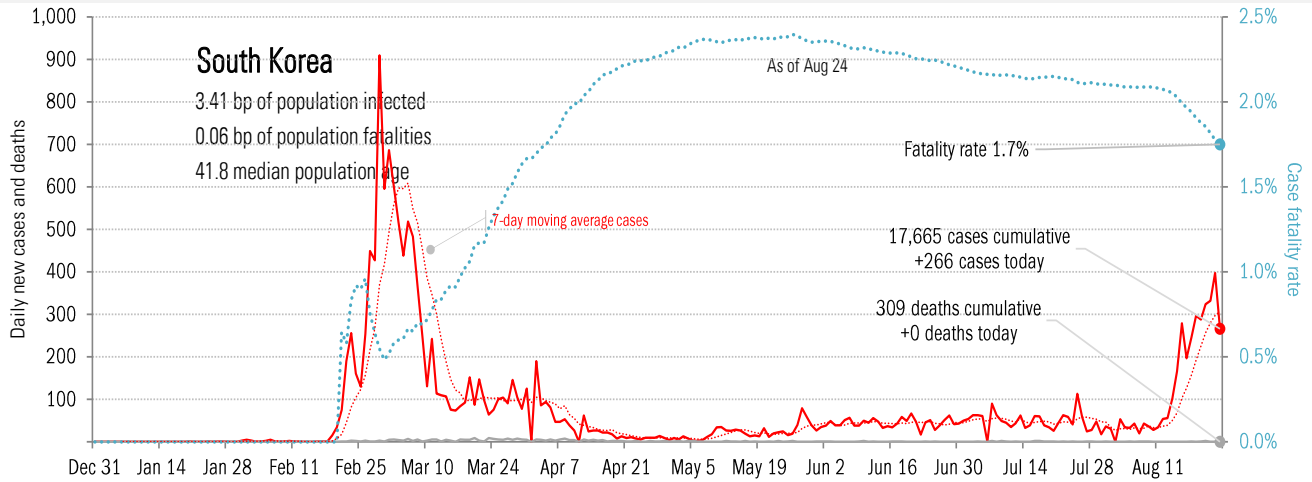
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



Source: [ECDC](#), TrendMacro calculations

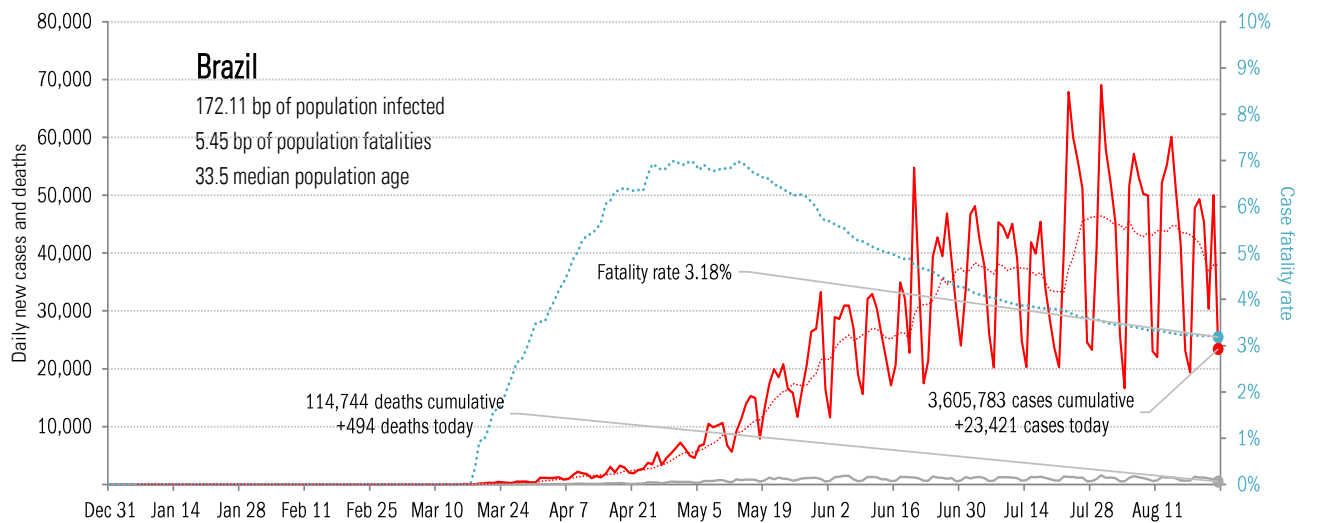
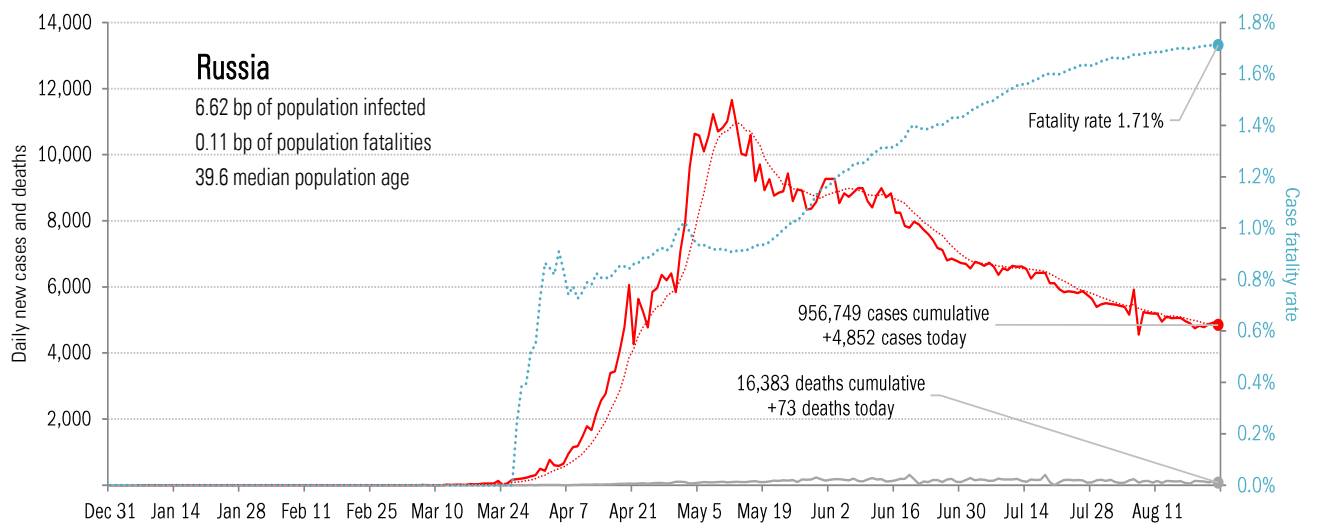
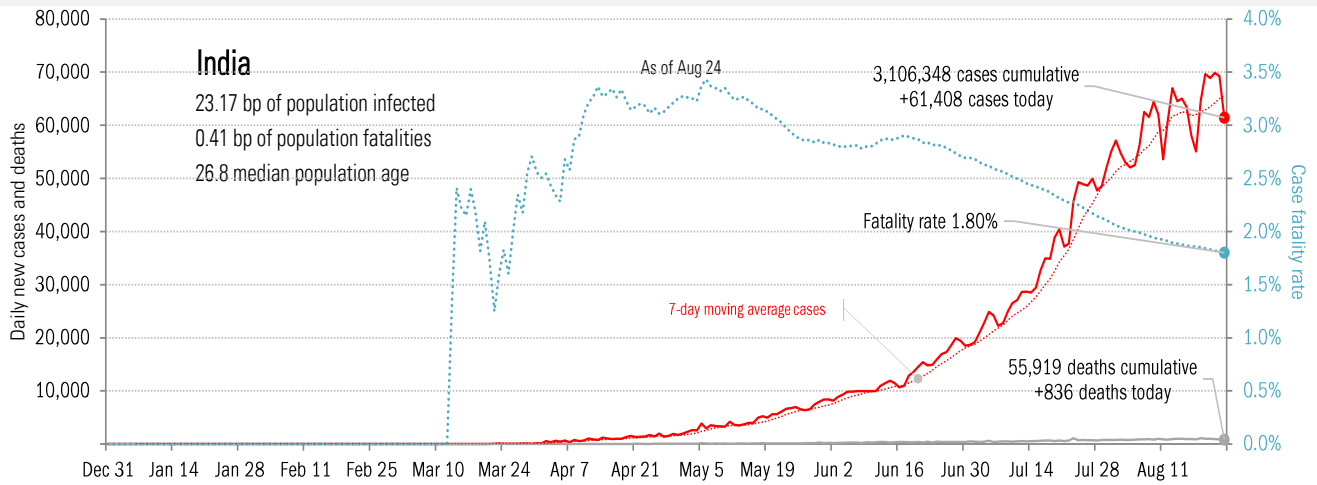
# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

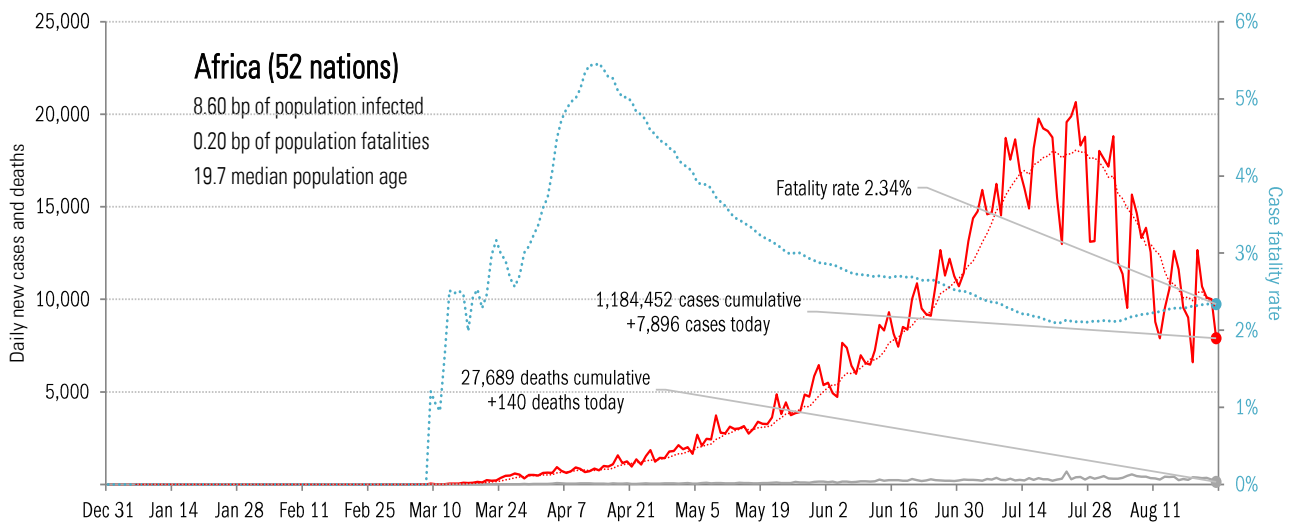
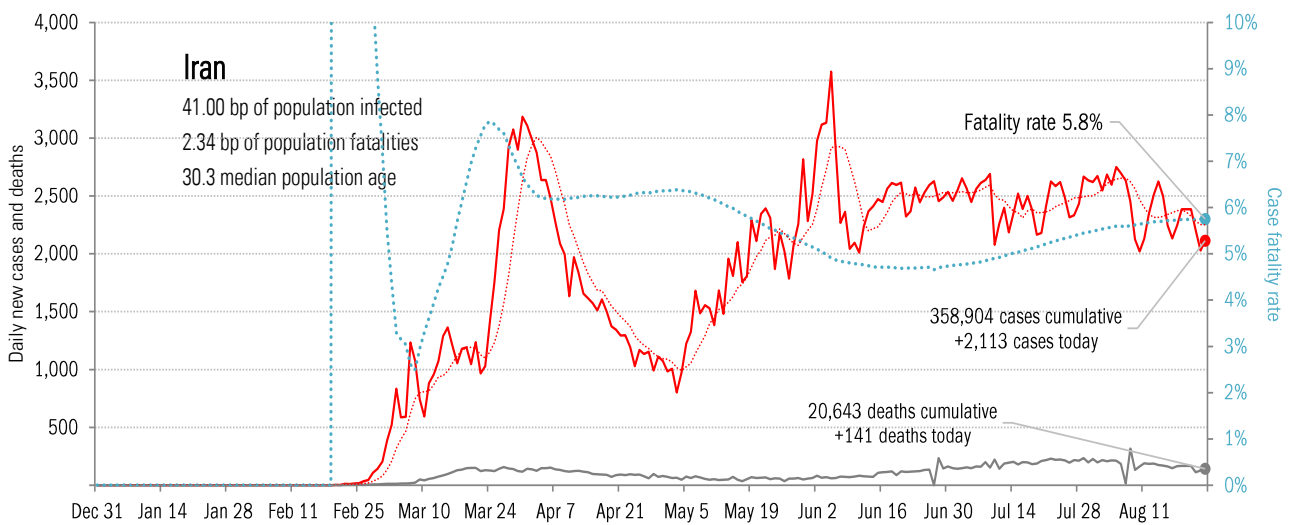
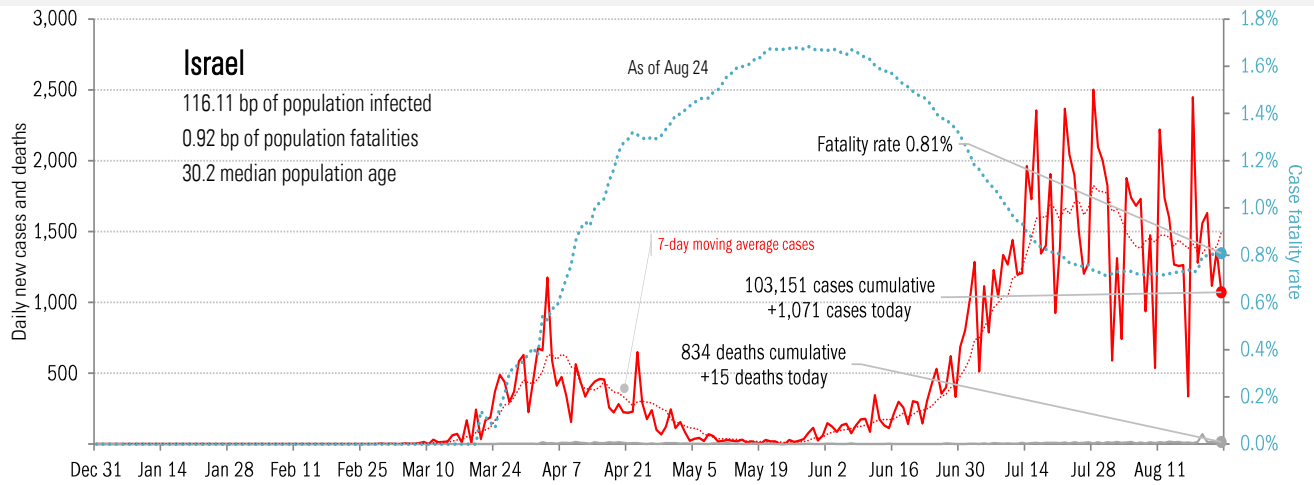


# Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations