

## Data Insights: Covid-2019 Monitor

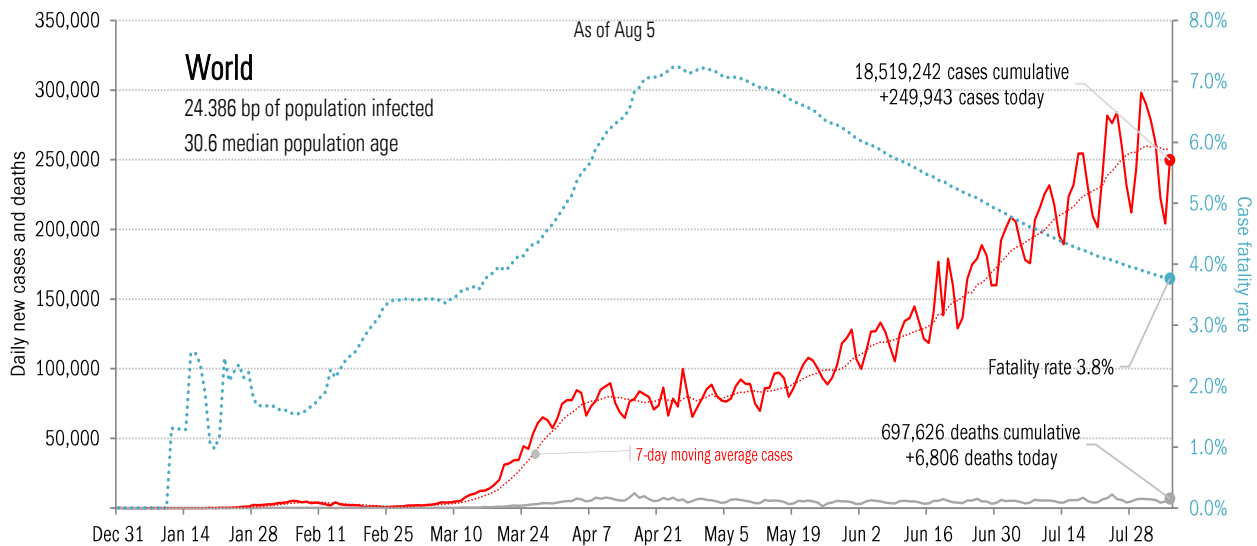
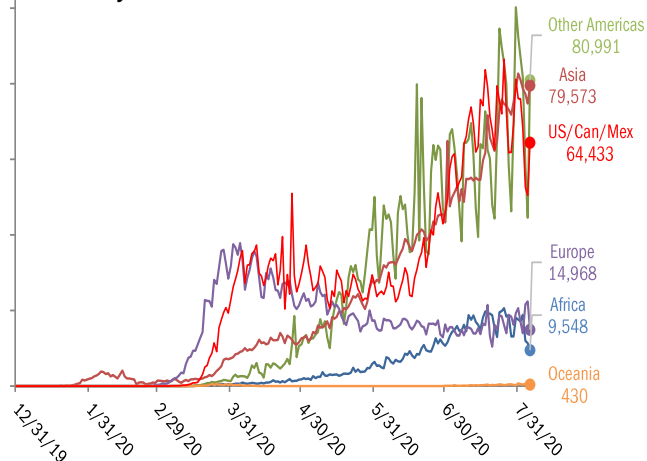
Wednesday, August 5, 2020

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
US	+57,525	US	+1,403
India	+52,509	Brazil	+1,154
Brazil	+51,603	India	+857
Colombia	+7,129	Mexico	+857
Peru	+6,790	South_Africa	+345
Philippines	+6,263	Colombia	+298
Mexico	+6,148	Iran	+212
Russia	+5,159	Argentina	+196
Argentina	+4,824	Peru	+196
South_Africa	+4,456	Russia	+144
<b>+202,406</b>		<b>+5,662</b>	
World	+249,943	World	+6,806
Top ten	81%	Top ten	83%

#### New confirmed cases by continent



Source: [ECDC](#), 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

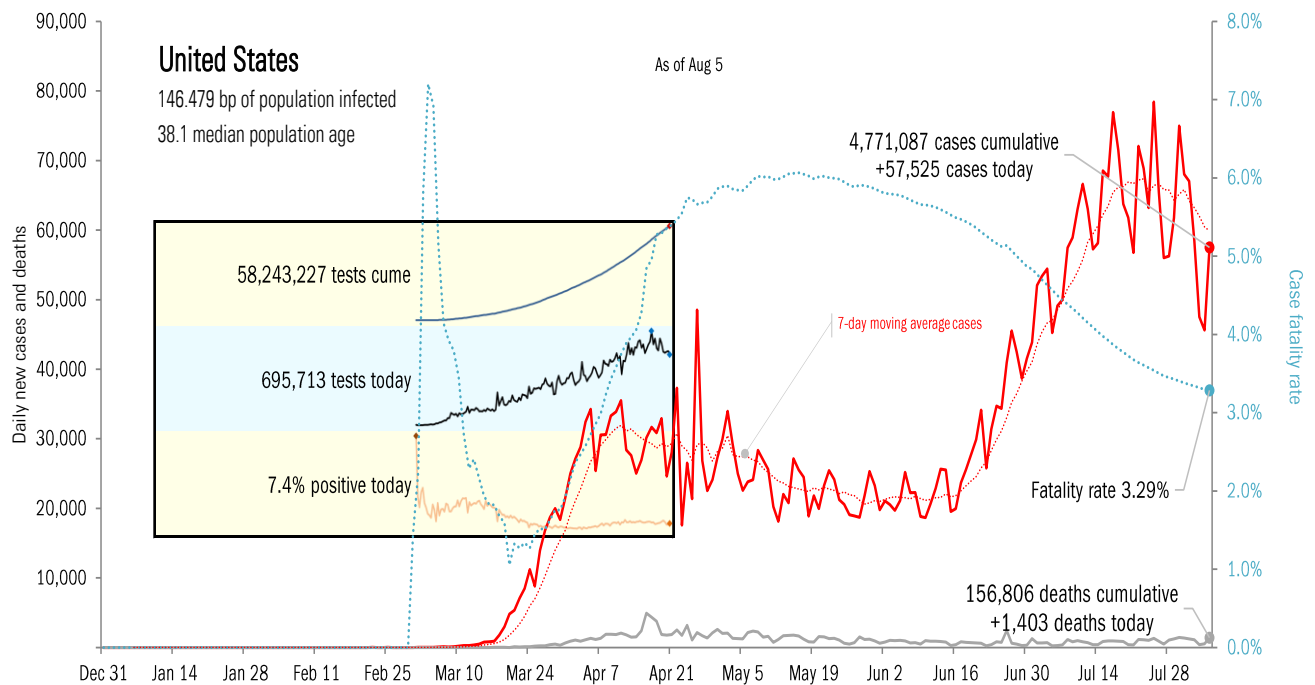
National and state-by-state data do not line up because of different sources

## The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
TX	+9,167	FL	+247	AZ	+1,894	CA	519,427	NY	25,175	NY	89,995
FL	+5,446	TX	+245	FL	+589	FL	497,330	NJ	15,857	FL	28,333
CA	+4,526	CA	+113	GA	+302	TX	451,181	CA	9,501	NJ	21,565
LA	+3,615	AZ	+66	SC	+272	NY	417,589	MA	8,657	GA	19,426
GA	+2,513	SC	+54	AL	+235	GA	197,948	IL	7,742	VA	13,640
TN	+1,805	MS	+42	VA	+180	IL	185,993	FL	7,526	AZ	13,294
NC	+1,629	AL	+33	IN	+144	NJ	182,970	TX	7,261	MD	12,888
IL	+1,471	CH	+31	CH	+127	AZ	180,505	PA	7,232	MA	11,973
SC	+1,239	NC	+28	OK	+100	NC	128,161	MI	6,471	CH	11,119
MO	+1,193	LA	+27	TN	+92	LA	124,461	CT	4,437	AL	11,100
<b>+32,604</b>		<b>+886</b>		<b>+3,935</b>		<b>2,885,565</b>		<b>99,859</b>		<b>233,333</b>	
All states	+51,568	All states	+1,176	All states	+4,490	All states	4,745,694	All states	148,829	All states	317,437
Top ten	63%	Top ten	75%	Top ten	88%	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	
TX	-2,362	KS	-7	AL	-109	TX	+8,840
CA	-1,213	CT	-5	KS	-31	TN	+2,381
KS	-1,064	MT	-3	MD	-30	CH	+1,837
AR	-640	AR	-2	MS	-22	OK	+1,154
CT	-204	GA	-2	CR	-15	WI	+873



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

## Recommended reading

### [Novavax Announces Positive Phase 1 Data for its COVID-19 Vaccine Candidate](#)

*Novavax*  
August 4, 2020

### [The \\$1.9 Million Covid Patient](#)

Melanie Evans  
*Wall Street Journal*  
August 4, 2020

### [Novavax's Covid-19 Vaccine Results Send Investors on Wild Ride](#)

Cristin Flanagan  
*Bloomberg*  
August 4, 2020

### [Mexican migrants send more money home to help virus-hit economy](#)

Jude Webber  
*Financial Times*  
August 4, 2020

### ['A huge experiment': How the world made so much progress on a Covid-19 vaccine so fast](#)

Andrew Joseph  
*Stat*  
July 30, 2020

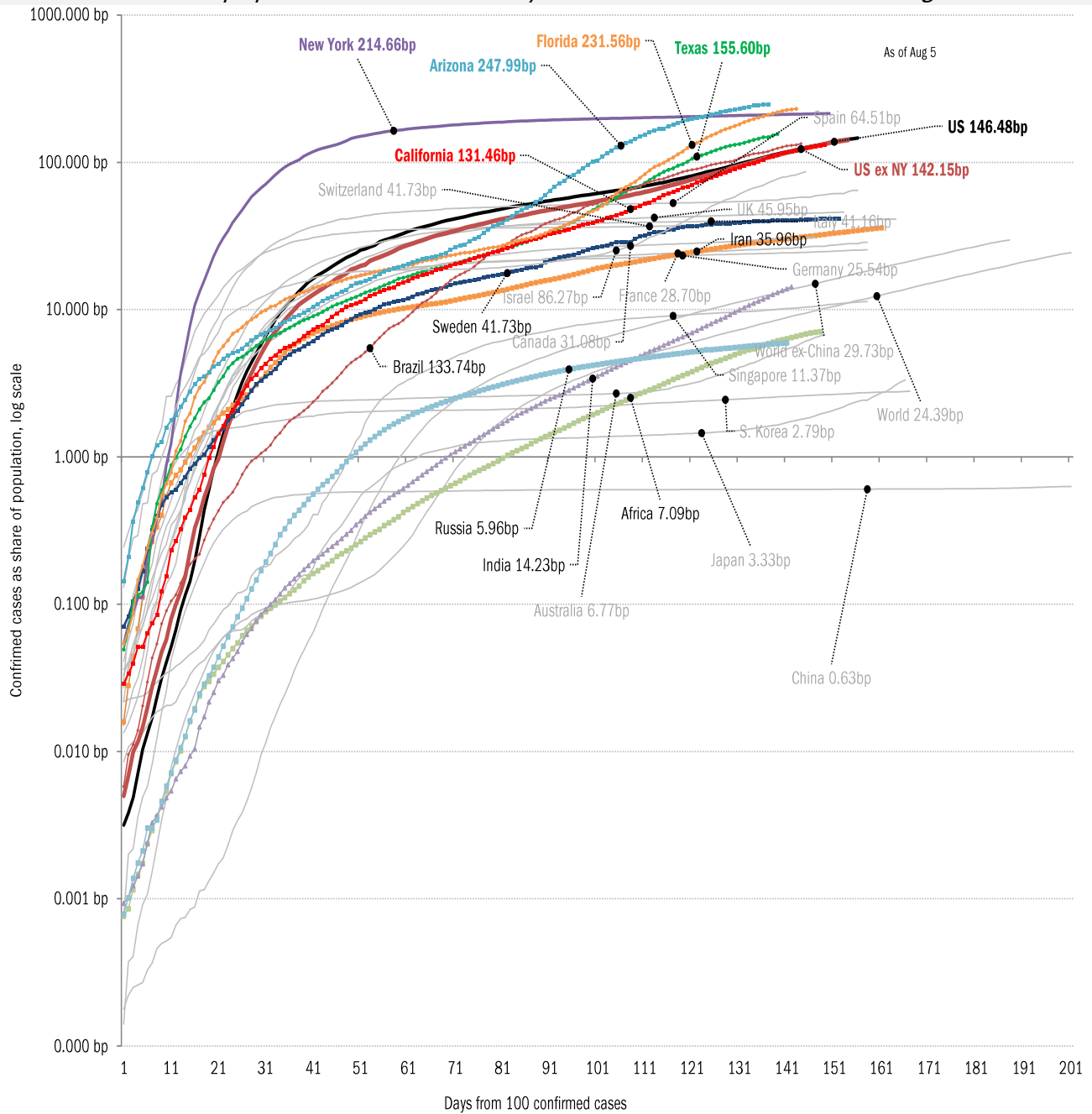
## Meme of day

### When COVID-19 ruins your vacation plans



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

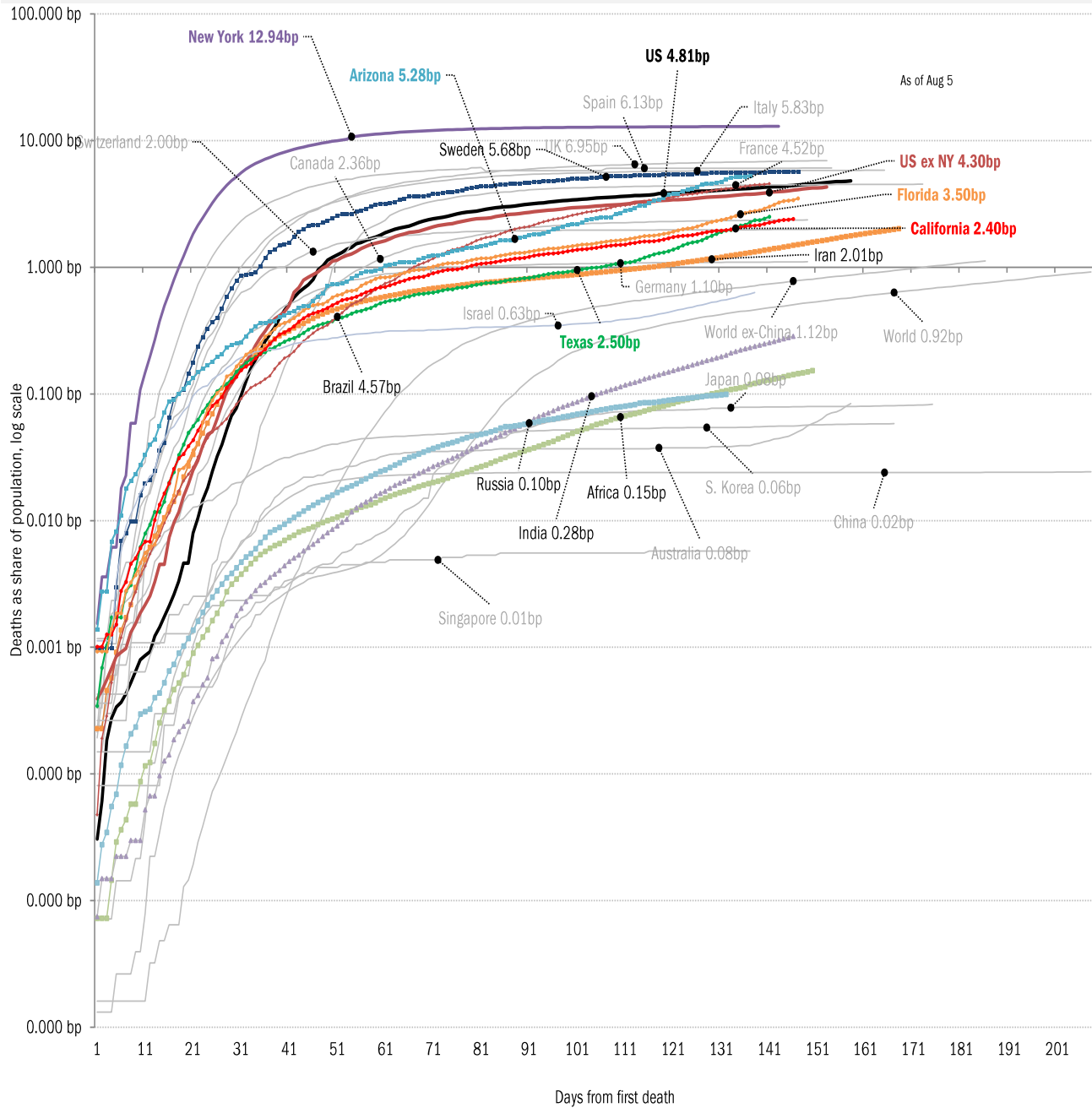
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [ECDC](#), TrendMacro calculations

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

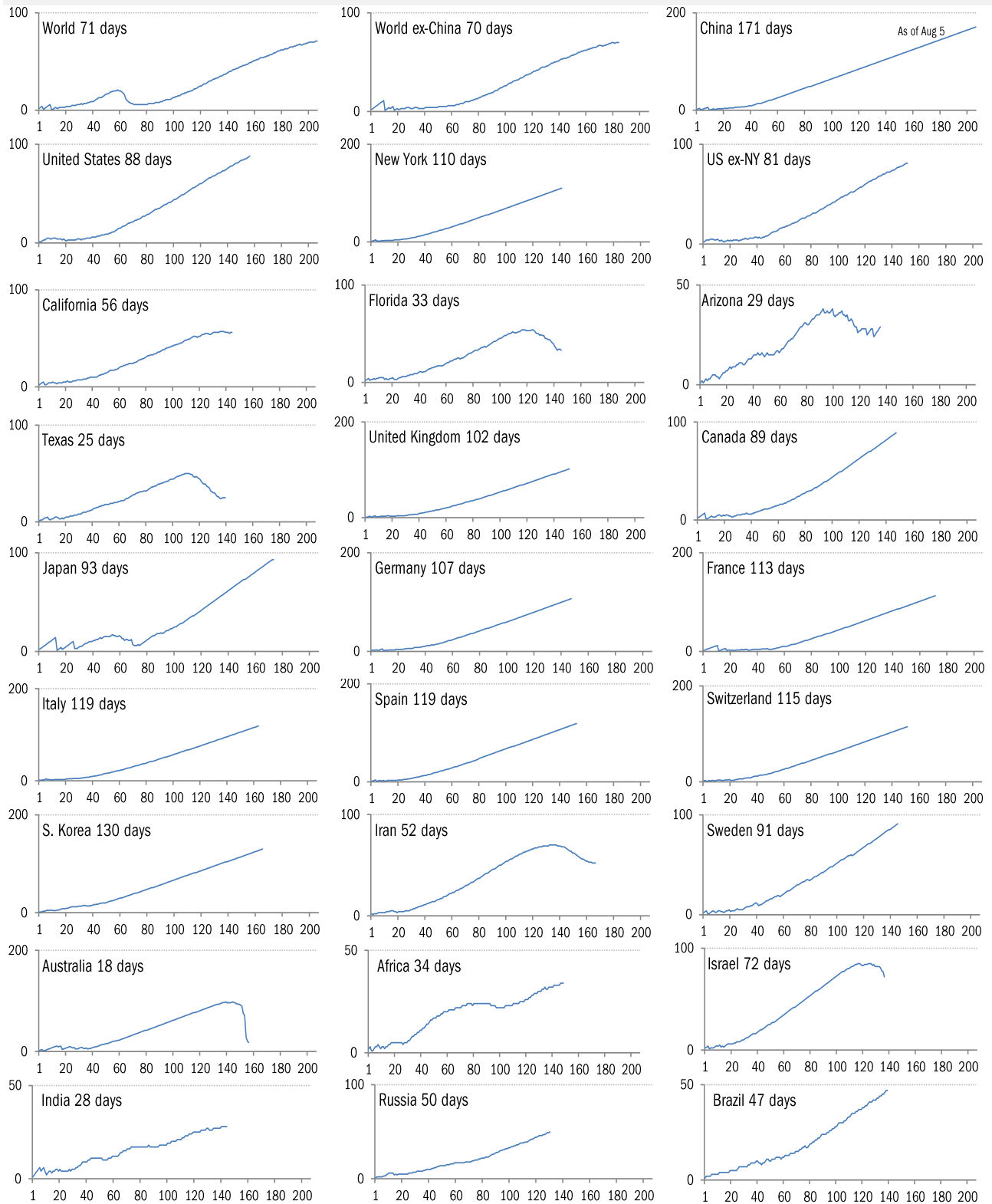
## Share of deceased population from day of first fatality



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

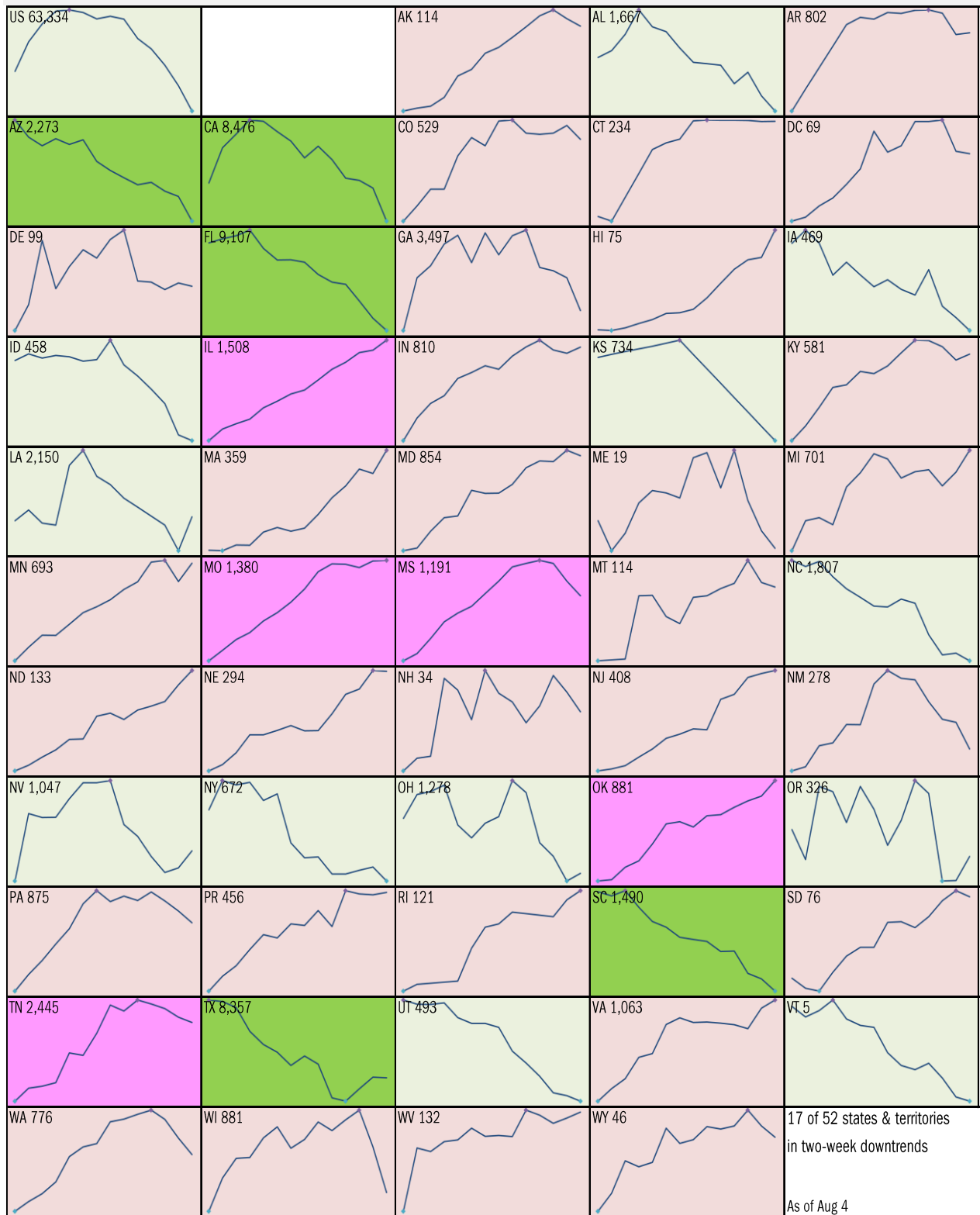


Source: [ECDC](#), TrendMacro calculations

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

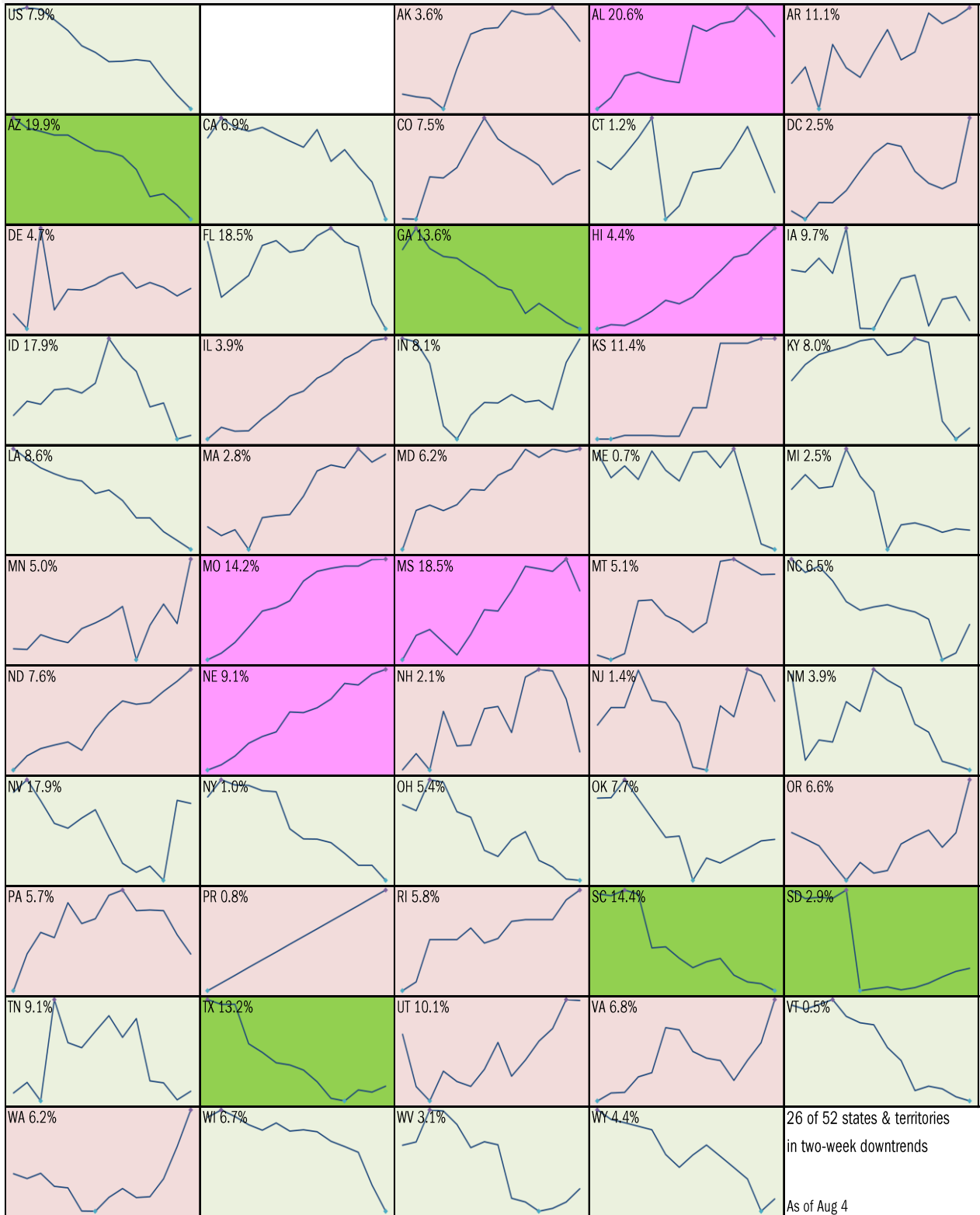


Source: [Covid Tracking Project](#), TrendMacro calculations

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

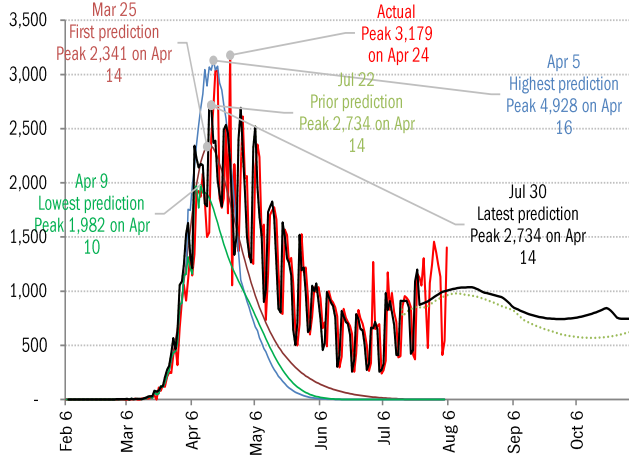


# Reality-checking the models: actuals versus [IHME](#) predictions

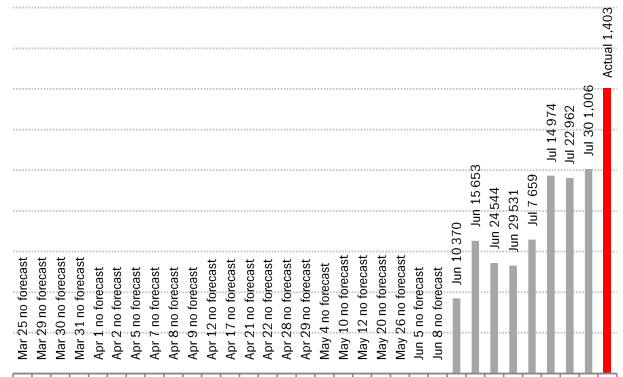
## New daily fatalities

As of Aug 5

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

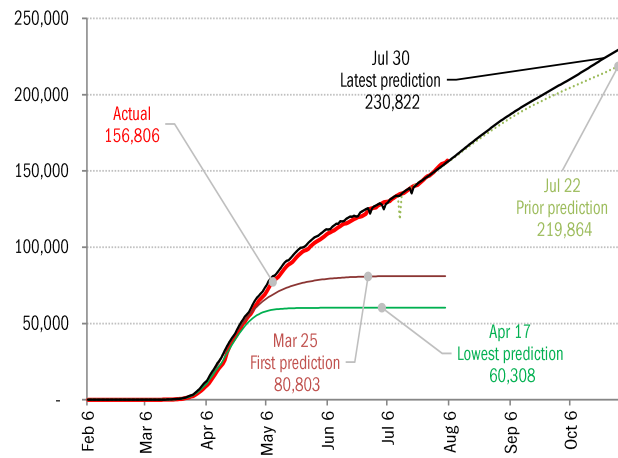


For this day, versus all model mean predictions

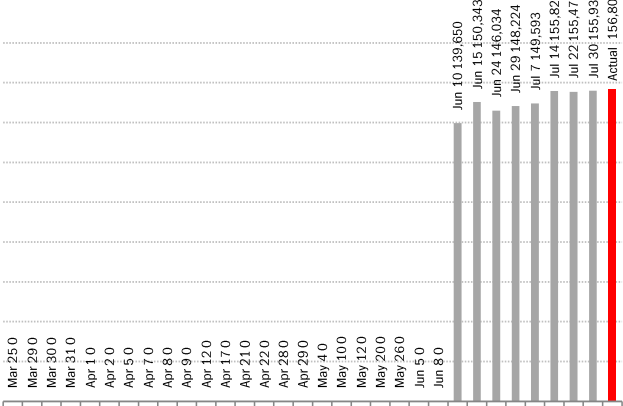


## Cumulative fatalities

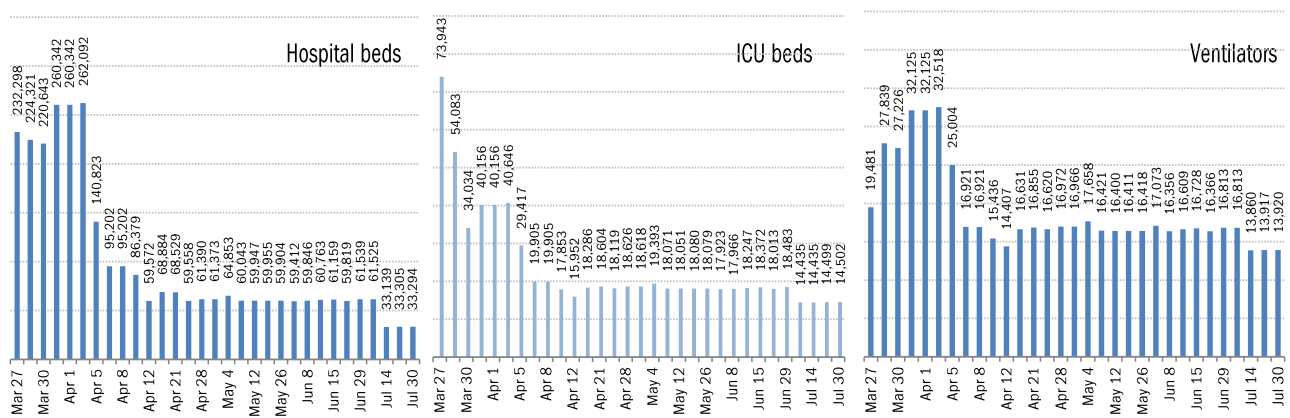
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

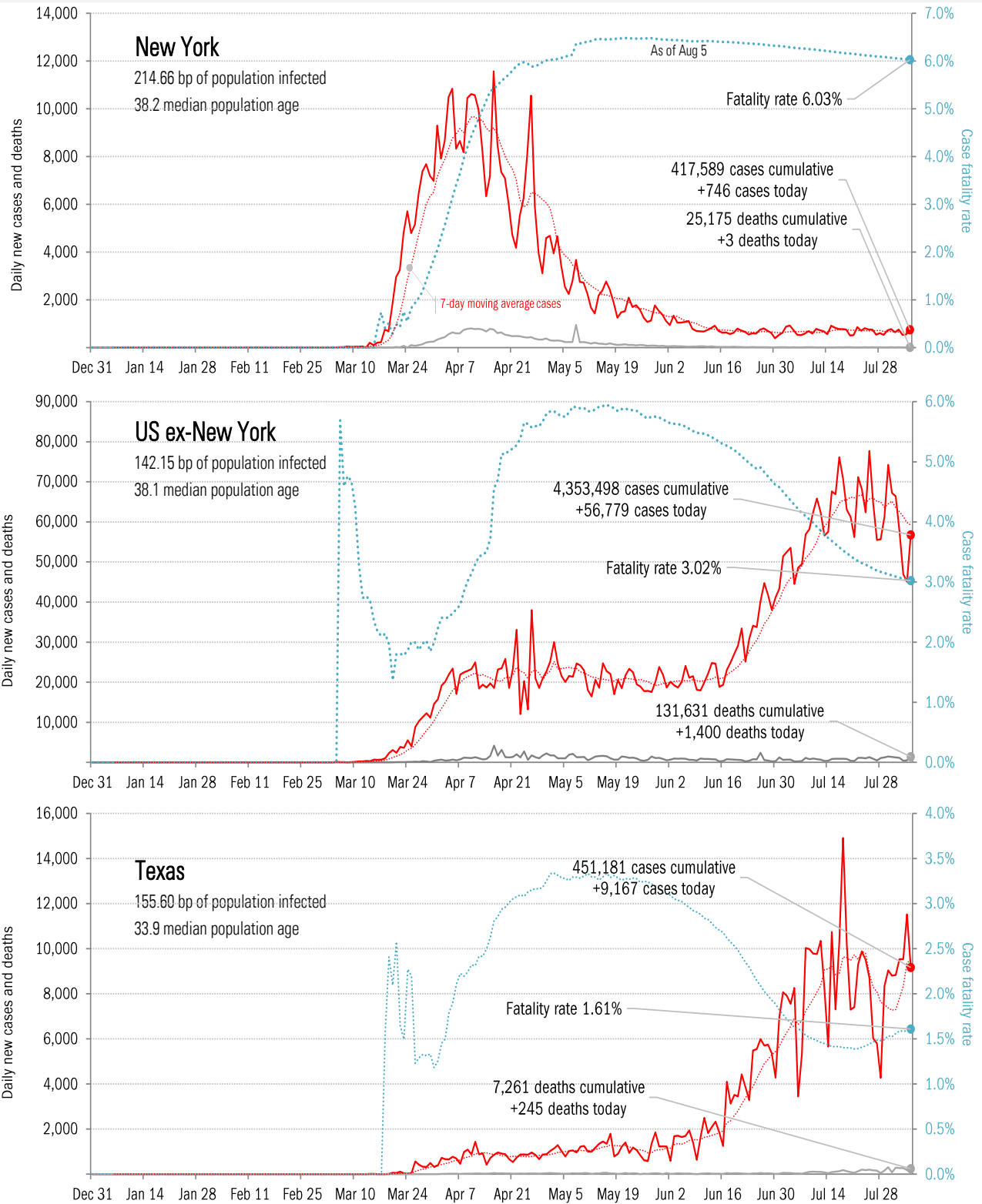


## Healthcare system stress, peak estimated at each model revision



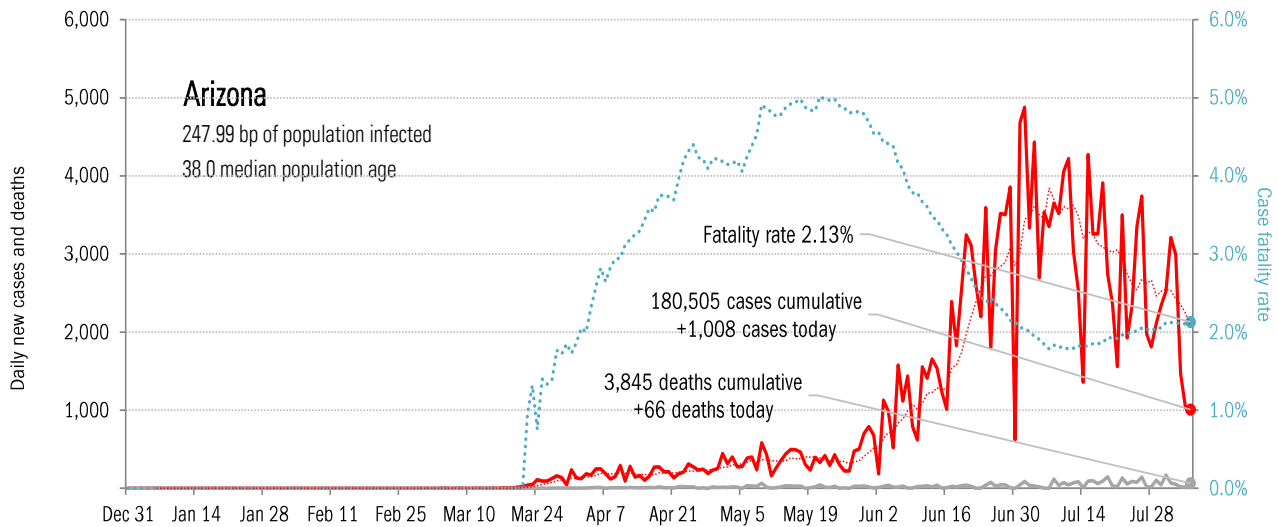
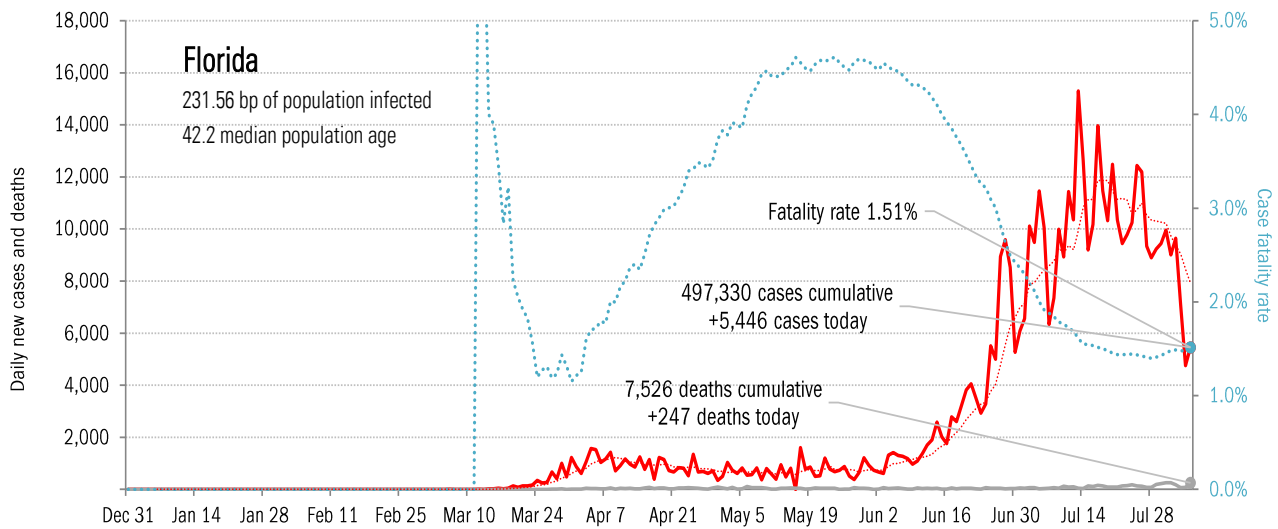
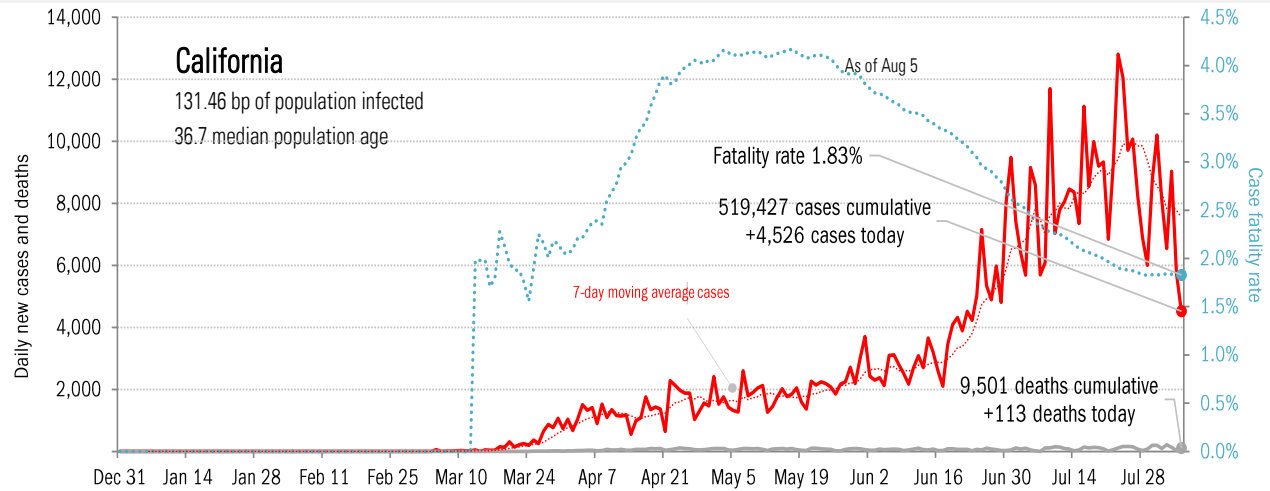
Source: [ECDC](#), [IHME](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



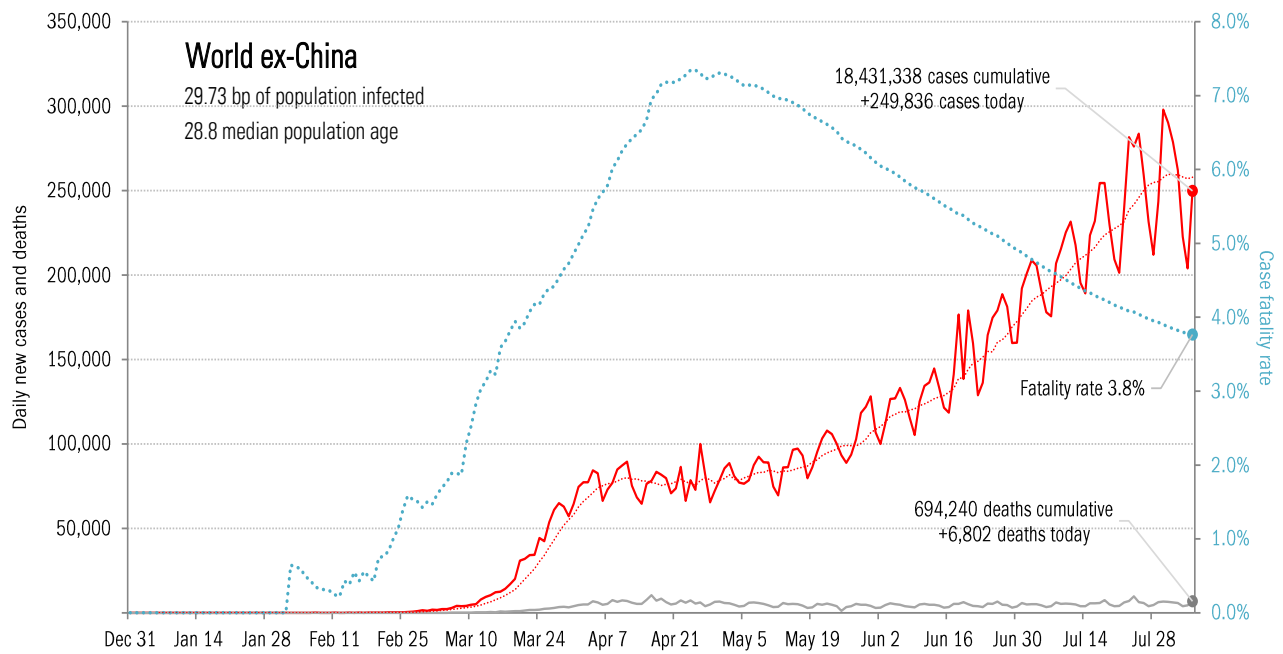
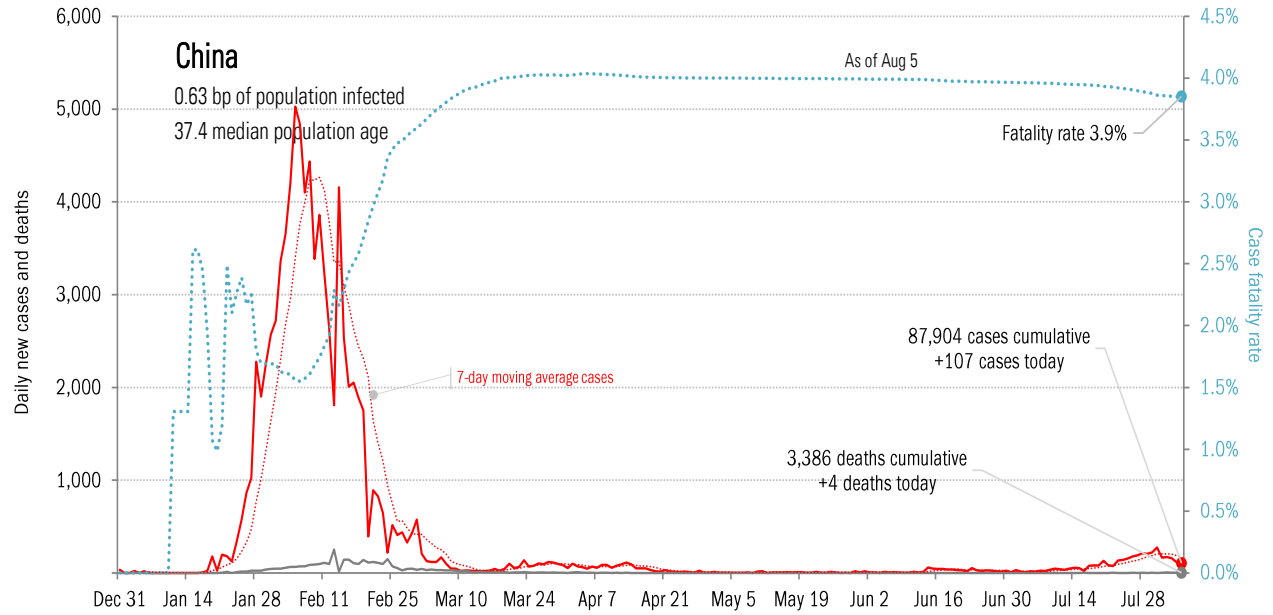
Source: [ECDC](#), TrendMacro calculations

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



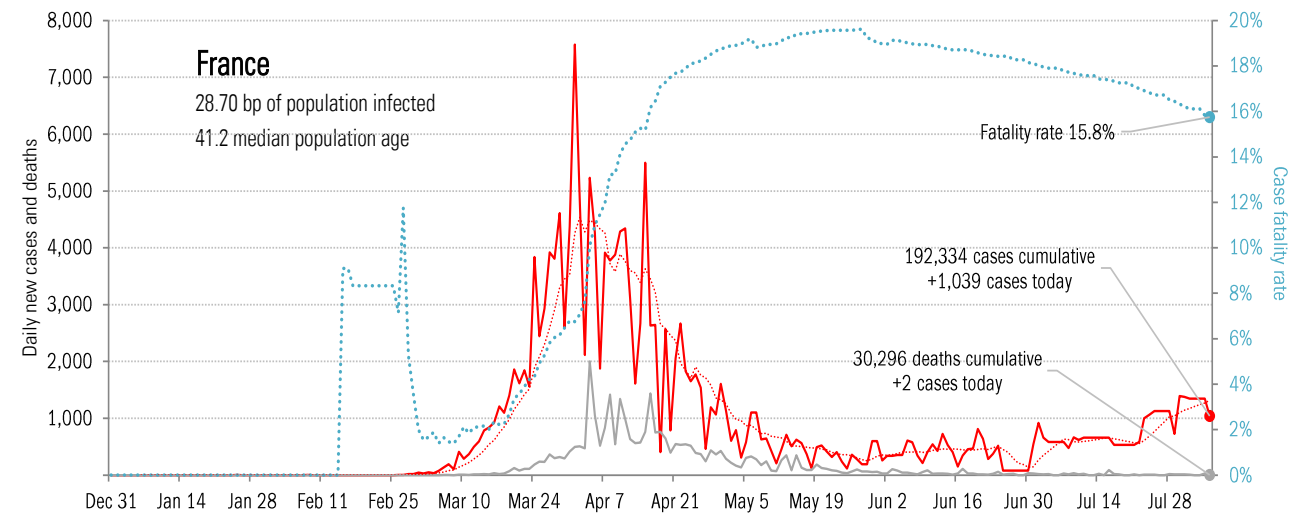
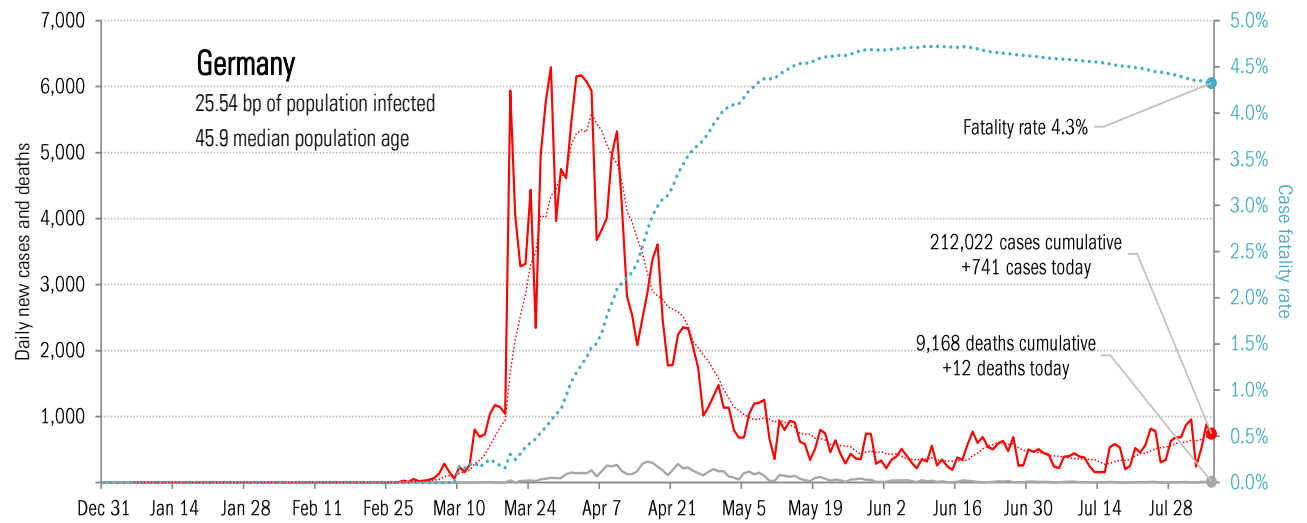
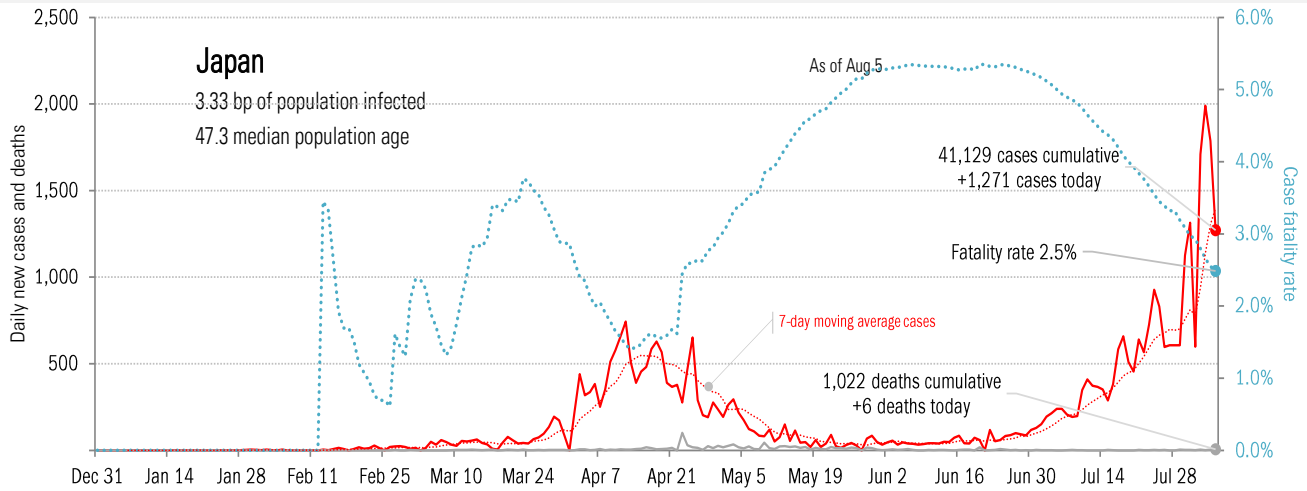
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



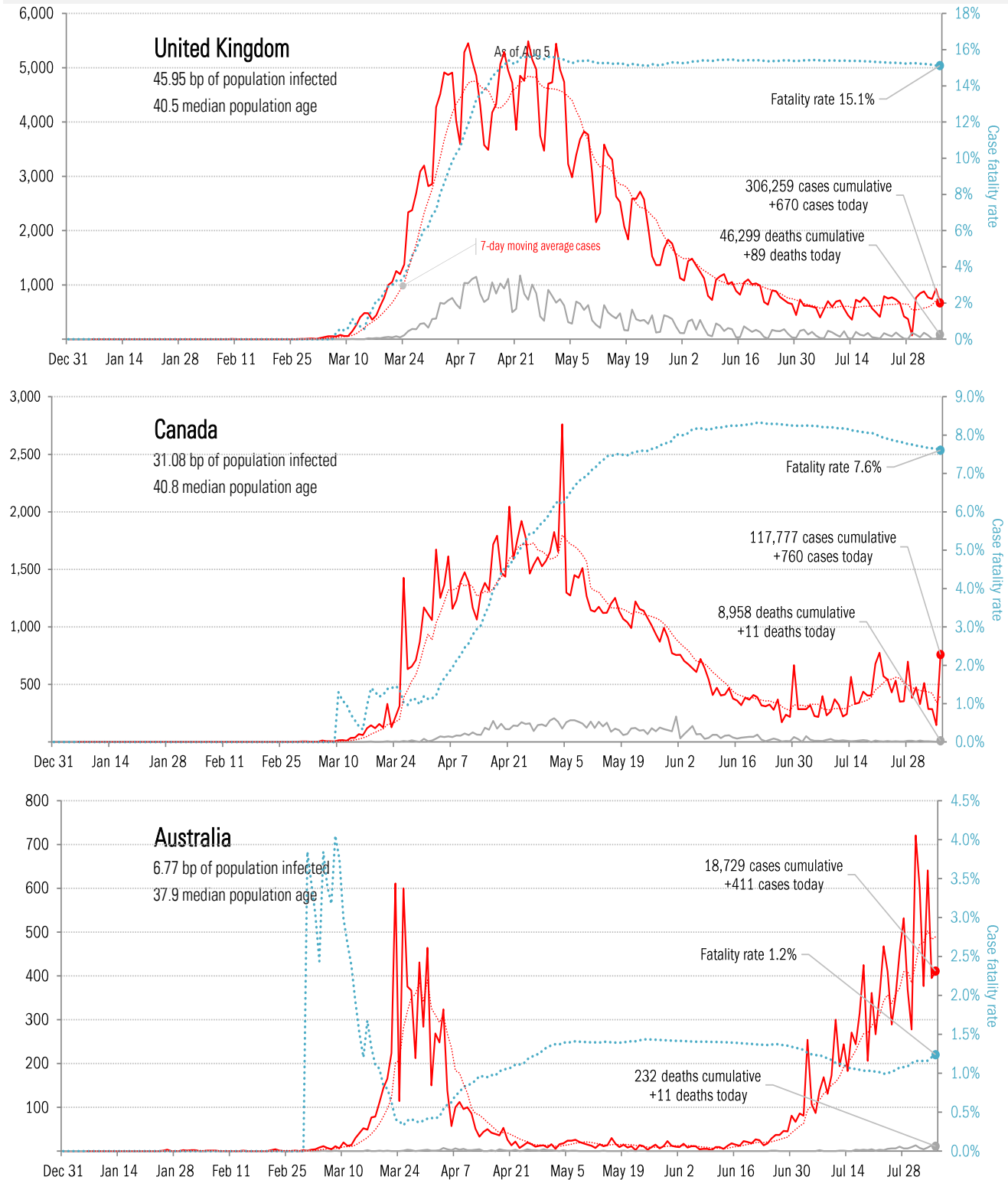
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



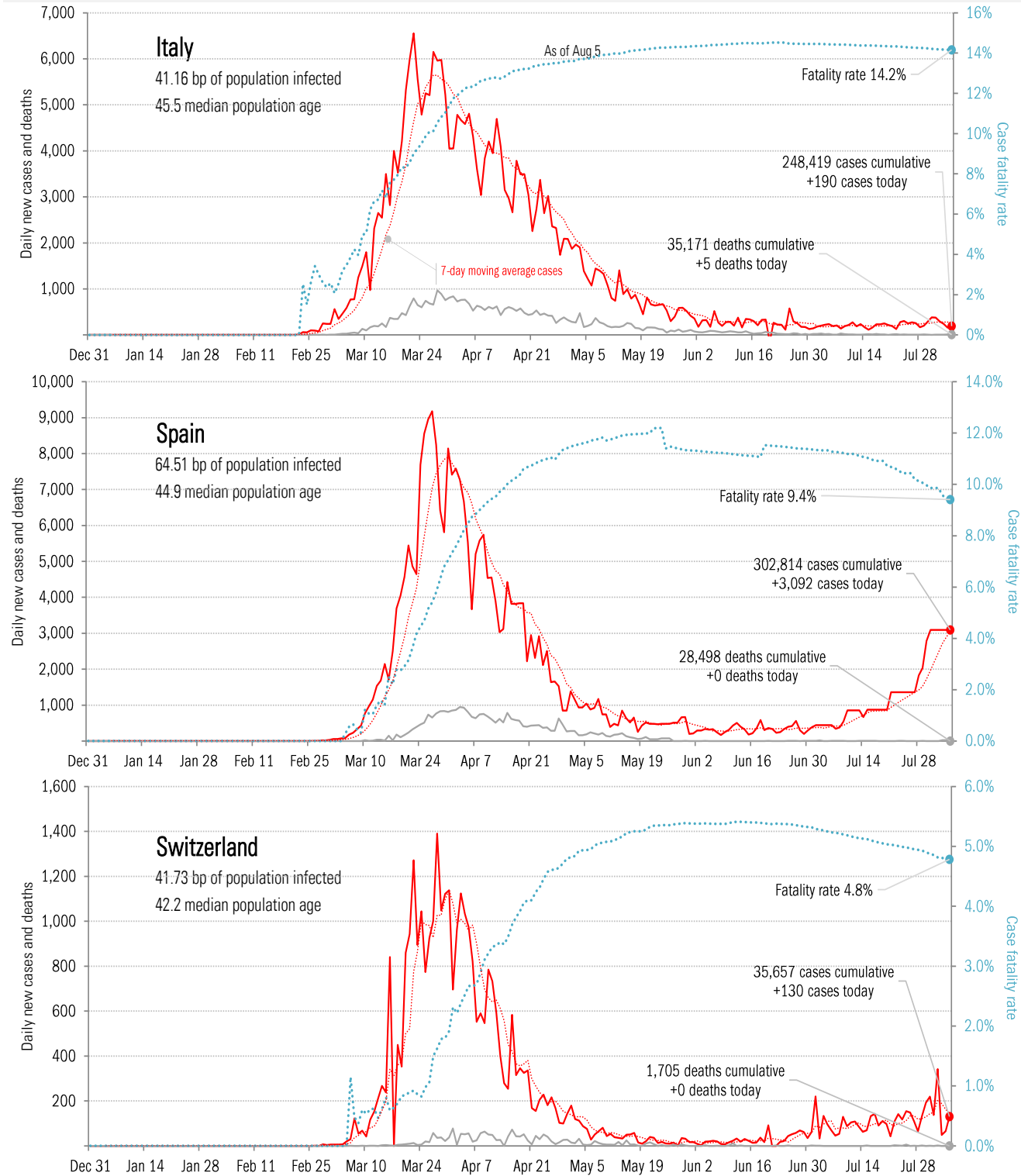
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



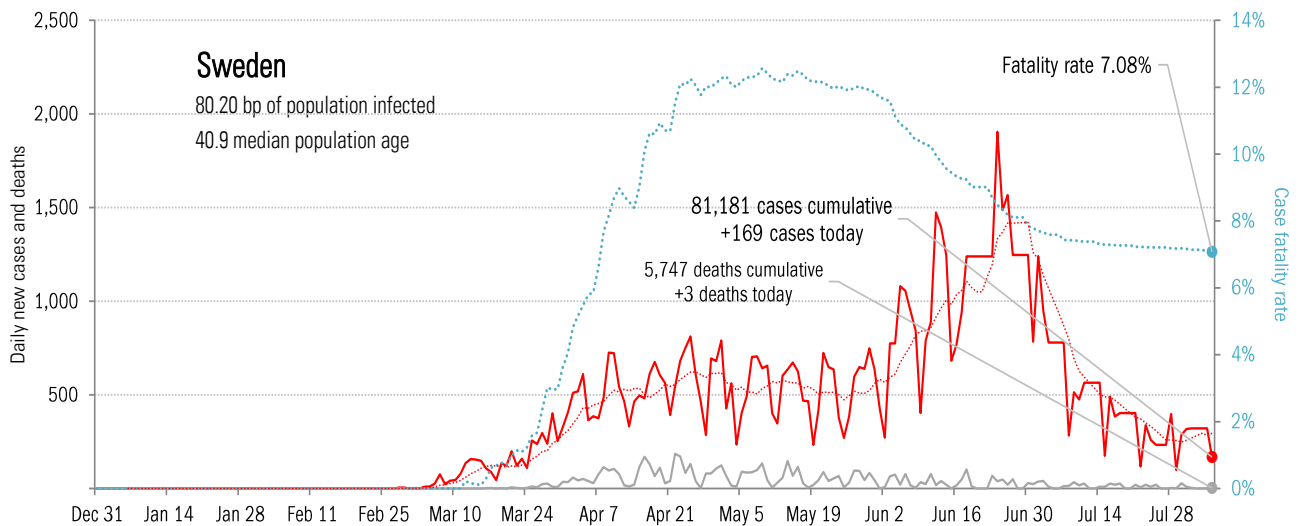
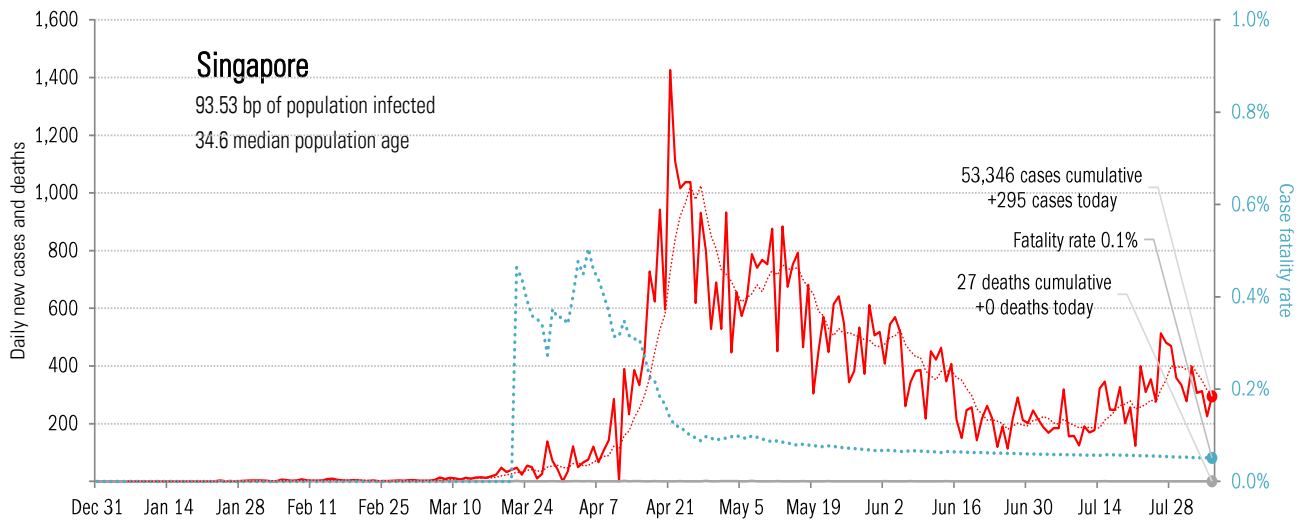
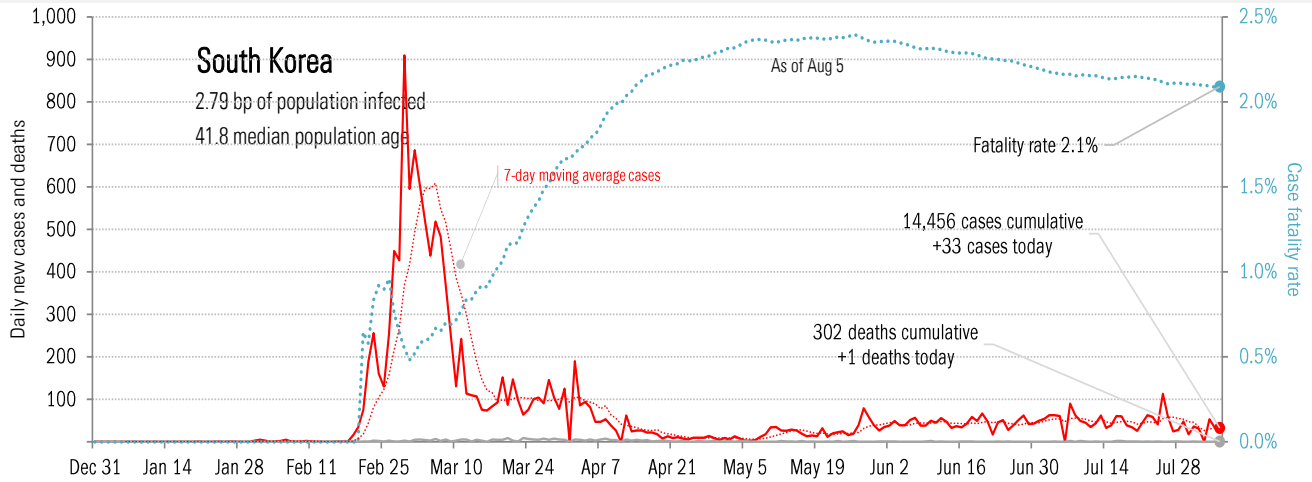
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



Source: [ECDC](#), TrendMacro calculations

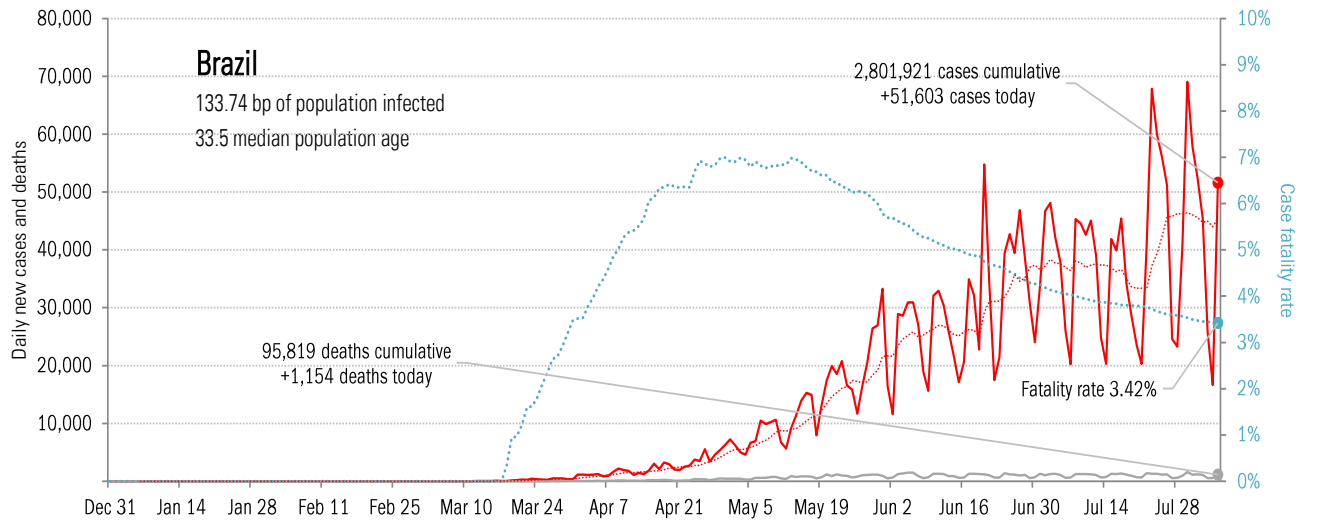
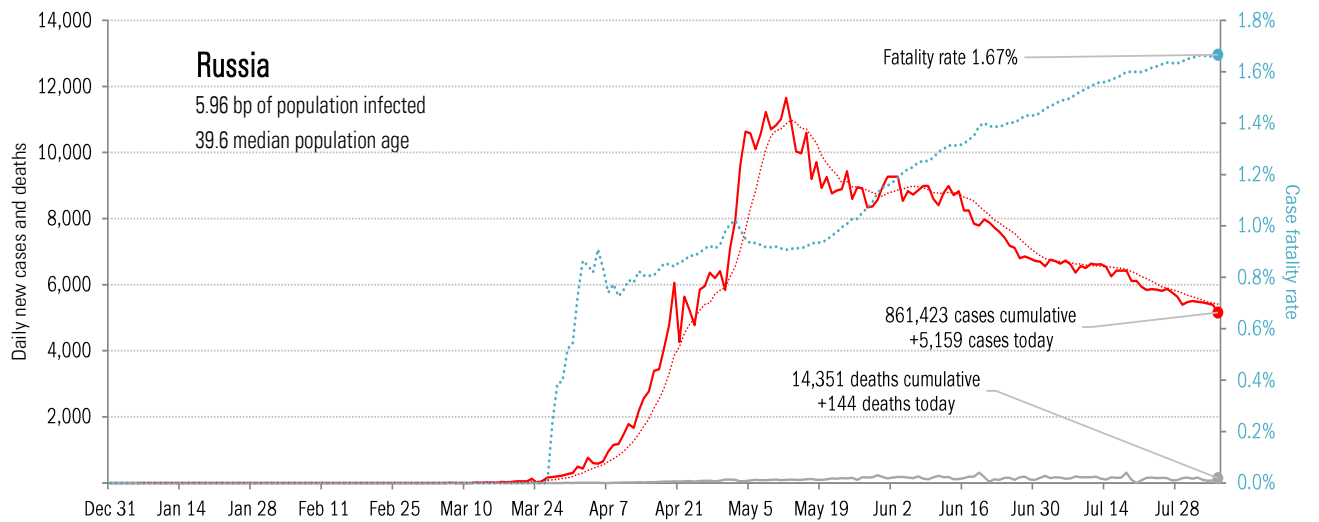
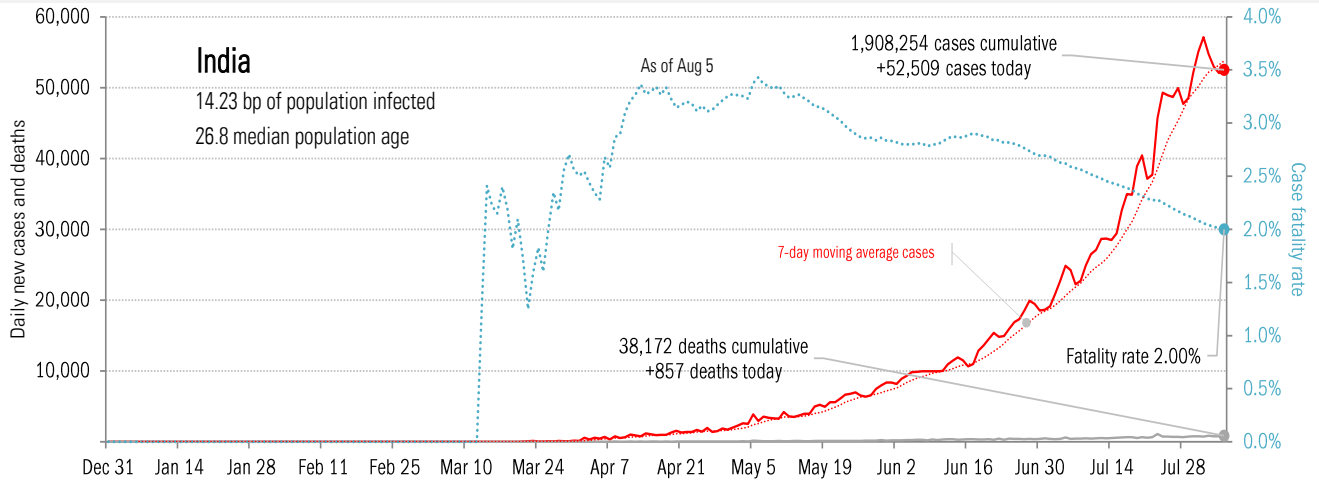
# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

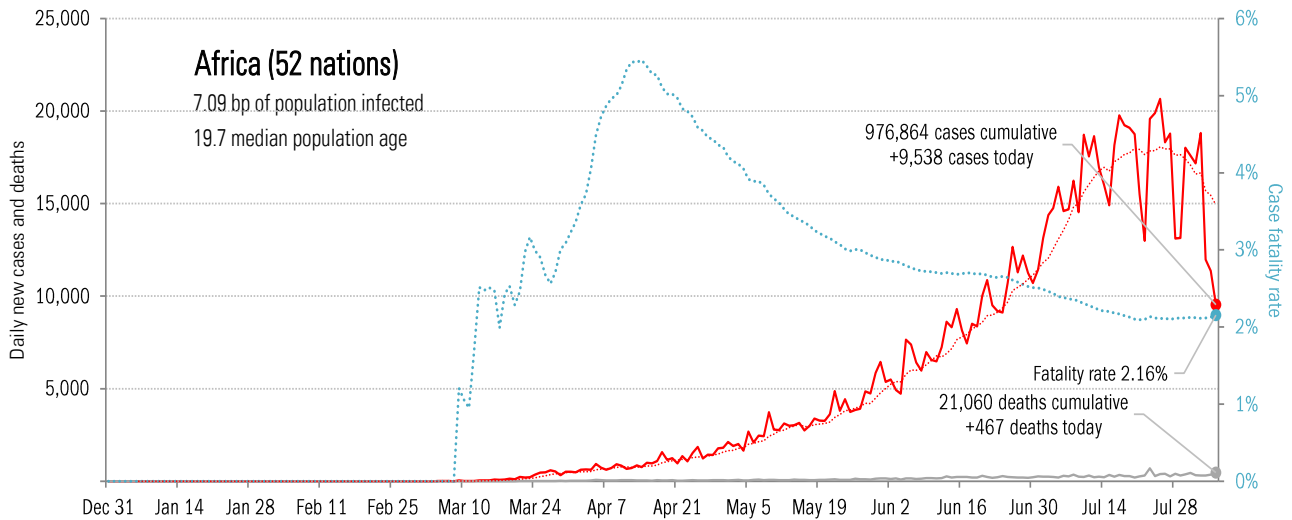
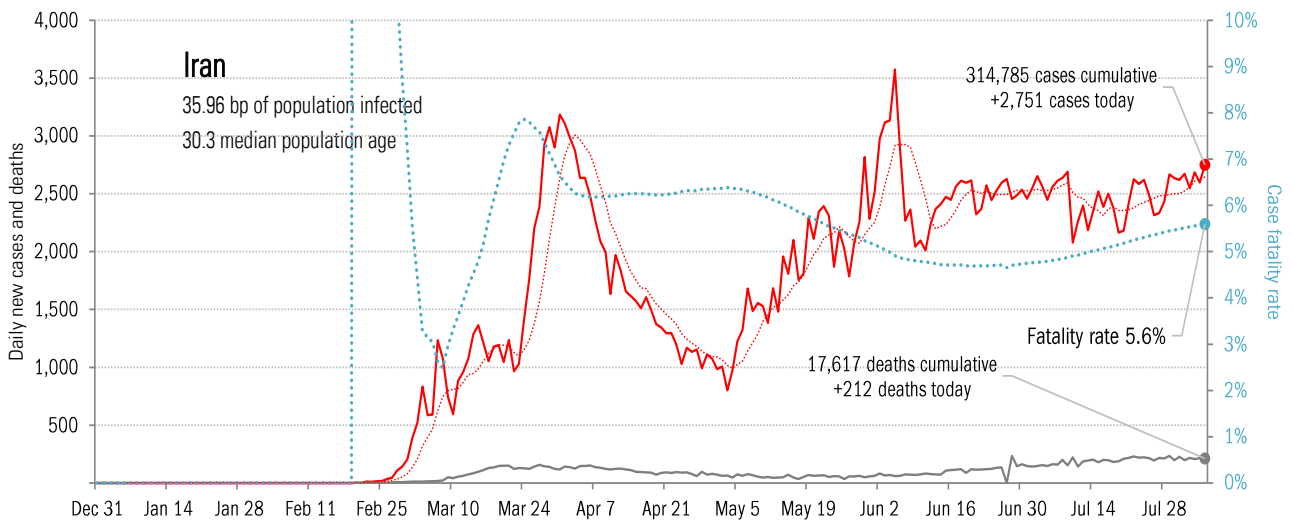
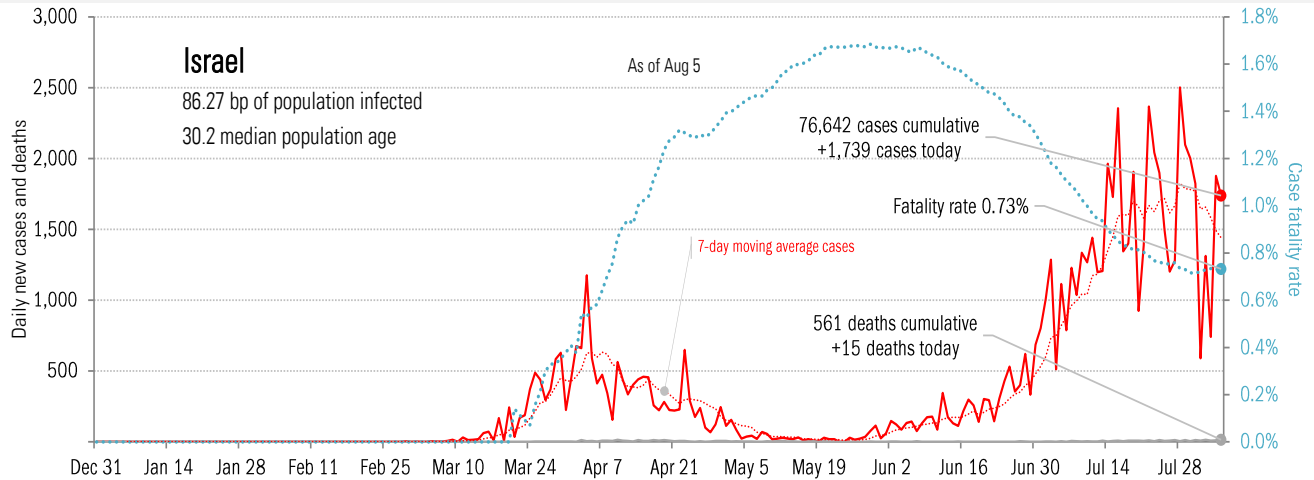


# Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations