

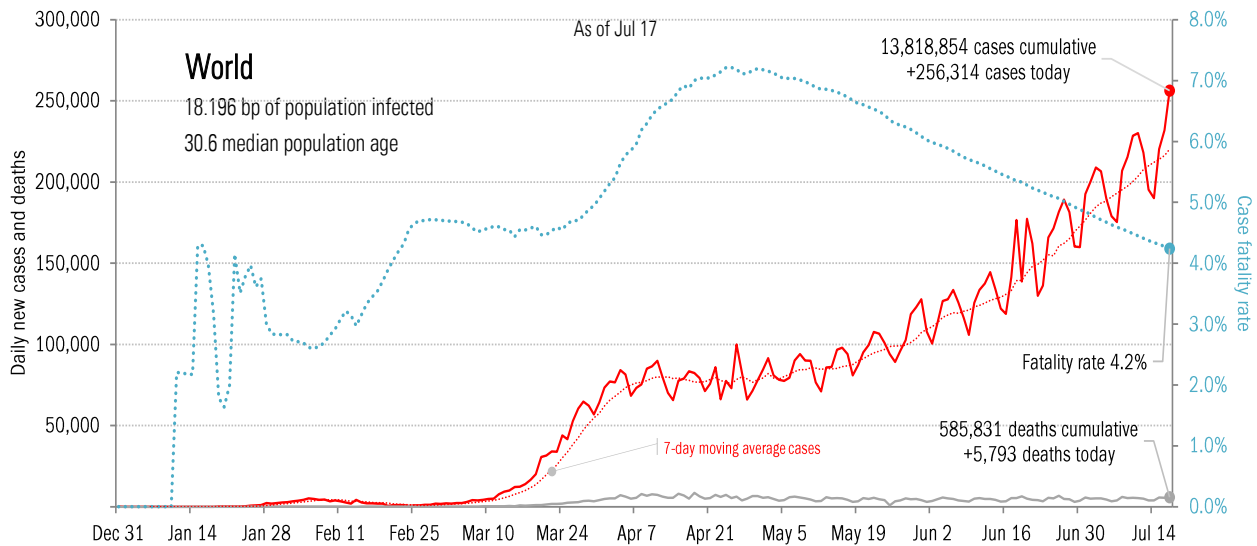
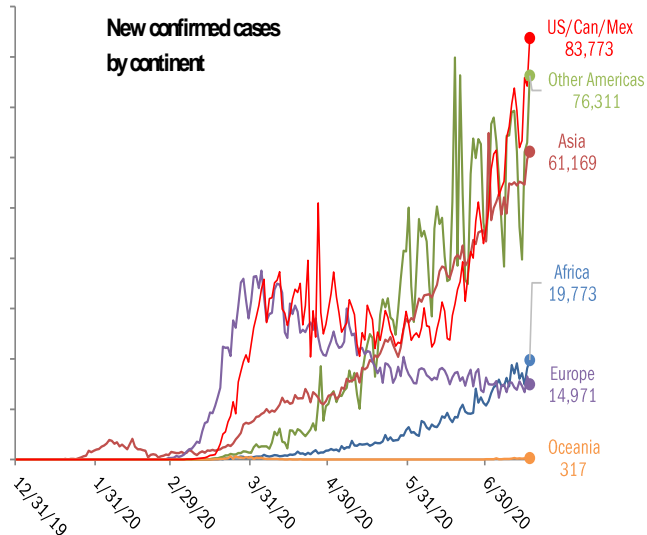
## Data Insights: Covid-2019 Monitor

Friday, July 17, 2020

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
US	+76,930	Brazil	+1,322
Brazil	+45,403	US	+939
India	+34,956	India	+687
South_Africa	+13,172	Mexico	+668
Colombia	+8,037	South_Africa	+216
Argentina	+7,860	Colombia	+215
Russia	+6,428	Iran	+198
Mexico	+6,406	Peru	+198
Peru	+3,862	Russia	+167
Saudi	+2,764	Chile	+104
<b>+205,818</b>		<b>+4,714</b>	
World	+256,314	World	+5,793
Top ten	80%	Top ten	81%



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

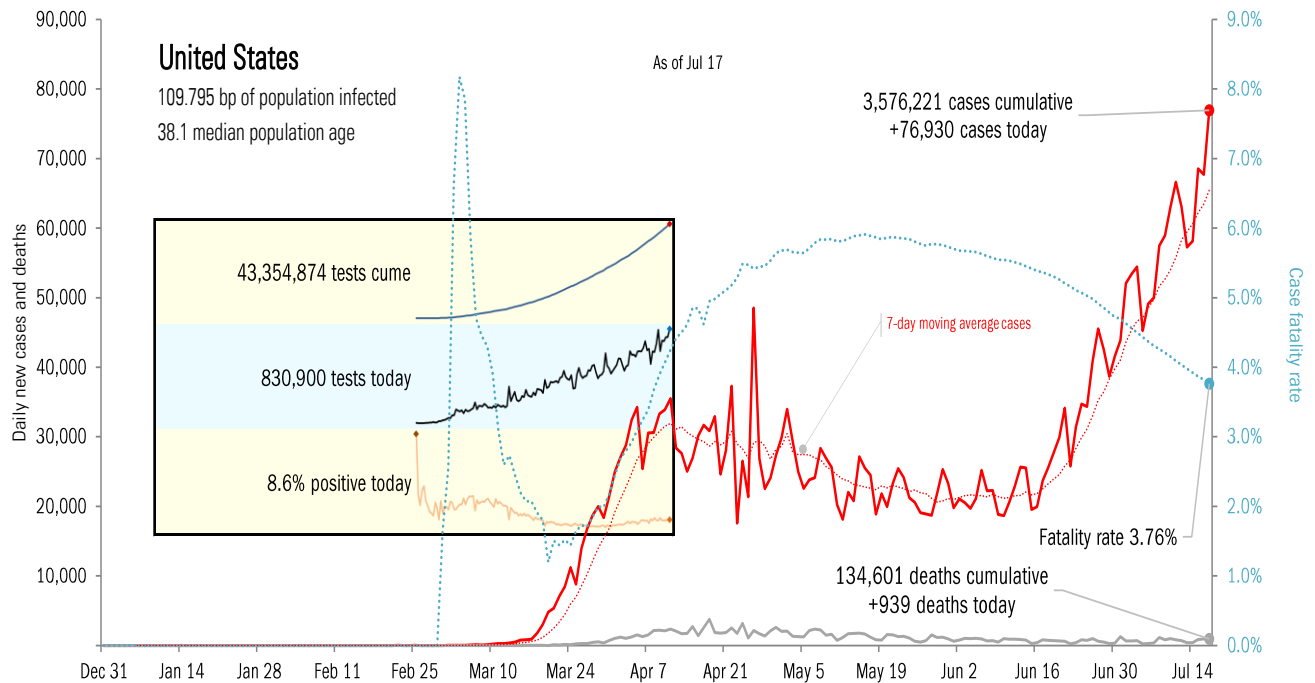
National and state-by-state data do not line up because of different sources

## The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
FL	+13,965	FL	+156	FL	+495	NY	404,775	NY	25,014	NY	89,995
TX	+10,291	TX	+129	AL	+293	CA	356,178	NJ	15,665	NJ	20,774
CA	+8,544	CA	+118	GA	+244	FL	315,775	MA	8,380	FL	20,154
GA	+3,441	SC	+72	AZ	+193	TX	292,656	IL	7,452	GA	14,346
AZ	+3,259	AZ	+58	VA	+170	NJ	176,501	CA	7,345	MD	11,687
TN	+2,479	NJ	+58	CH	+115	IL	159,082	PA	6,973	MA	11,663
LA	+2,280	CH	+28	CT	+102	AZ	134,613	MI	6,348	VA	10,778
NC	+2,160	IL	+25	TN	+63	GA	131,275	FL	4,782	CT	10,654
AL	+2,021	LA	+24	MD	+62	MA	112,581	CT	4,389	CH	9,324
SC	+1,838	NC	+20	IN	+61	PA	98,446	TX	3,561	IN	7,747
<b>+50,278</b>		<b>+688</b>		<b>+1,798</b>		<b>2,181,882</b>		<b>89,909</b>		<b>207,122</b>	
All states	+71,229	All states	+977	All states	+2,251	All states	3,549,648	All states	130,572	All states	271,758
Top ten	71%	Top ten	70%	Top ten	80%	Top ten	61%	Top ten	69%	Top ten	76%

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CA	-2,582	AZ	-39	GA	-173	TX	+6,661
KS	-875	AL	-28	NJ	-142	TN	+1,393
OK	-447	GA	-24	MD	-78	CH	+1,027
GA	-430	CA	-22	NH	-73	OK	+729
PA	-213	MA	-16	KS	-50	AR	+672



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

## Recommended reading

### [Can a Pregnant Woman Spread the Coronavirus to Her Fetus?](#)

*Associated Press*  
July 16, 2020

### [NYC plans child care for 100,000 kids when schools partially reopen](#)

Erin Durkin  
*Politico*  
July 16, 2020

### [No One Knows What Thailand Is Doing Right, but So Far, It's Working](#)

Hannah Beech  
*New York Times*  
July 17, 2020

### [White House Says Stimulus Bill 'Must' Include Payroll Tax Cut](#)

Justin Sink, Erik Wasson, and Laura Davison  
*Bloomberg*  
July 16, 2020

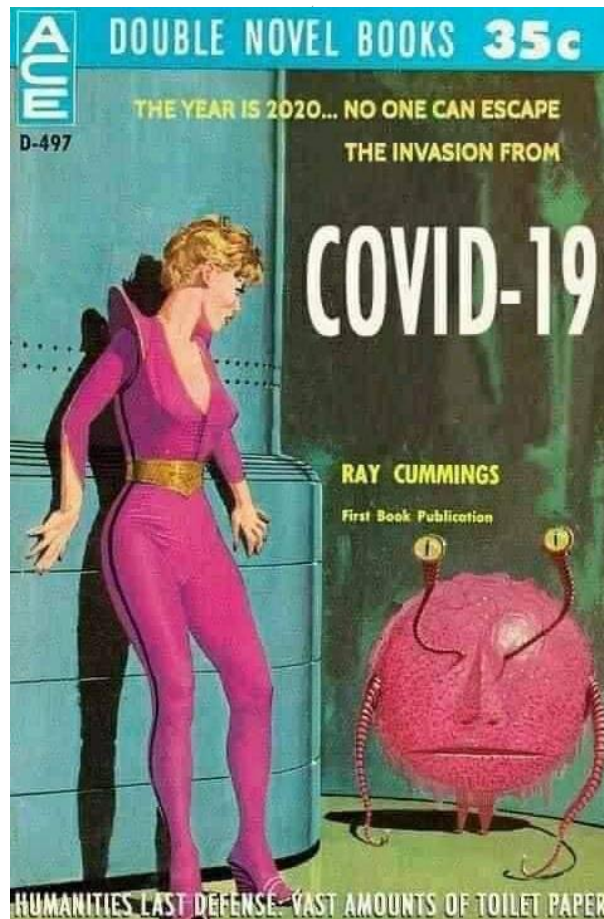
### [COVID-19 Impact on US National Overdose Crisis](#)

Aliese Alter and Christopher Yeager  
*OD Map*  
June 2020

### [Throw the Bums Out](#)

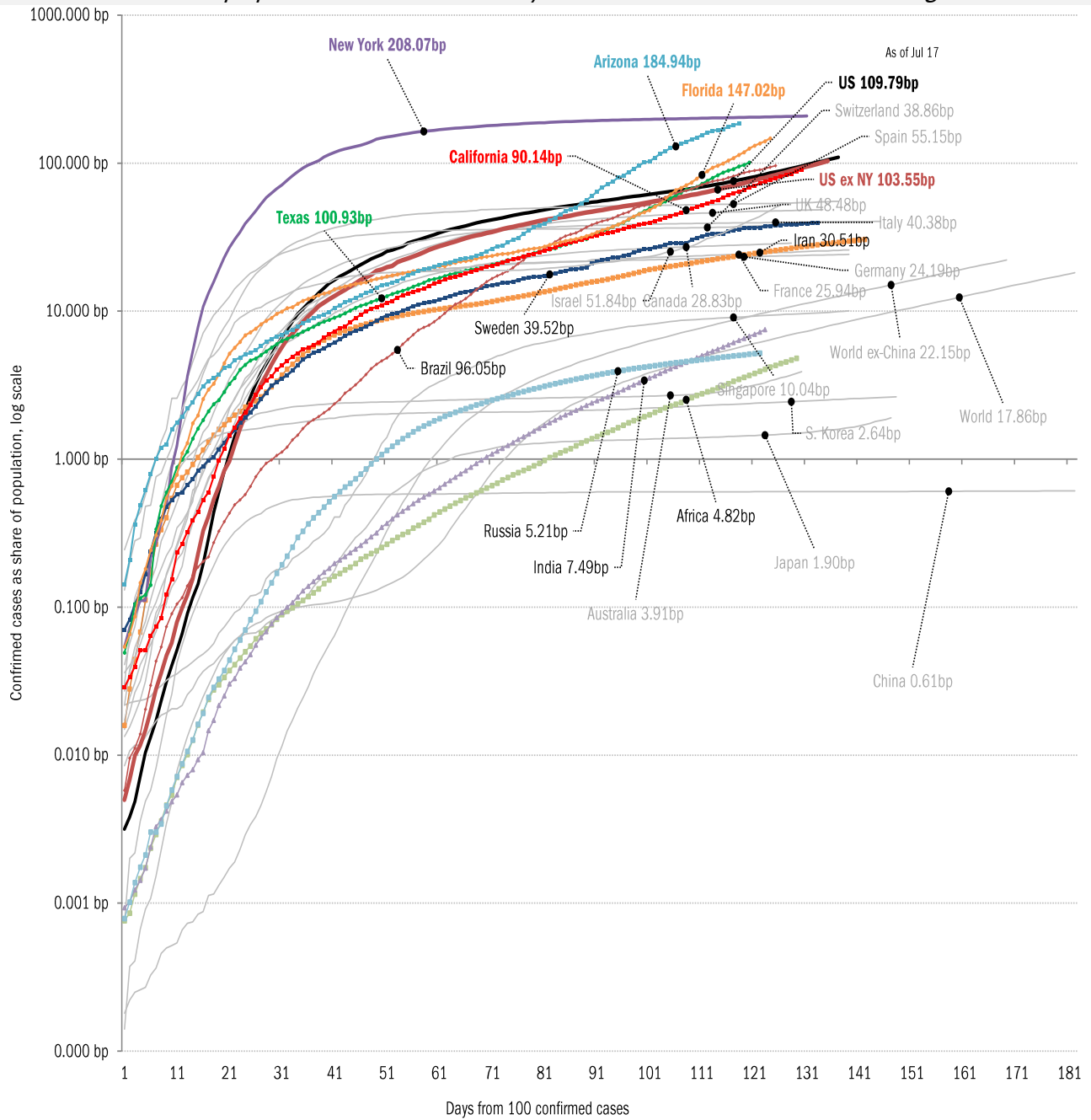
Alex Pareene  
*The New Republic*  
July 14, 2020

## Meme of the day



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

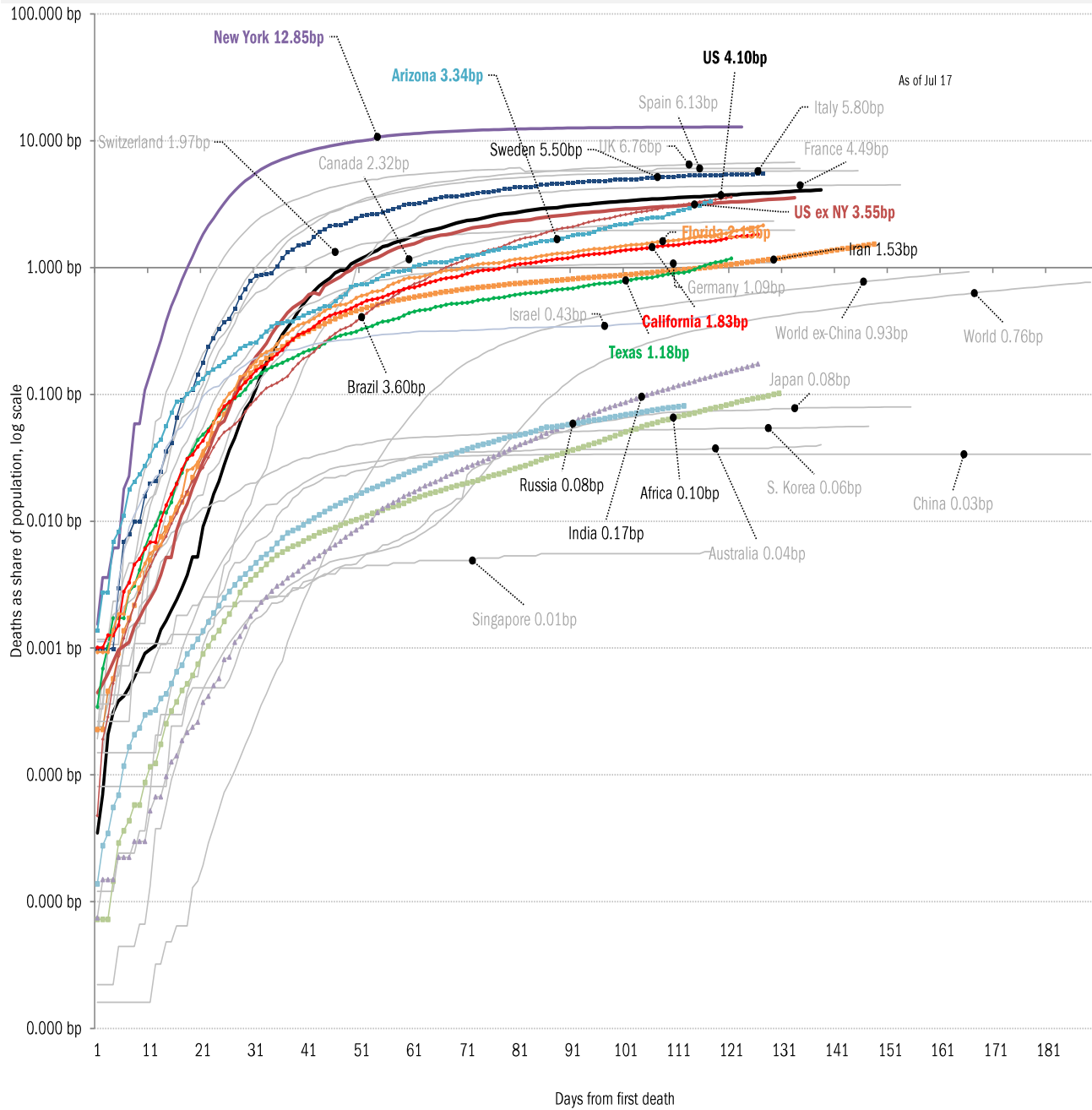
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [ECDC](#), TrendMacro calculations

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

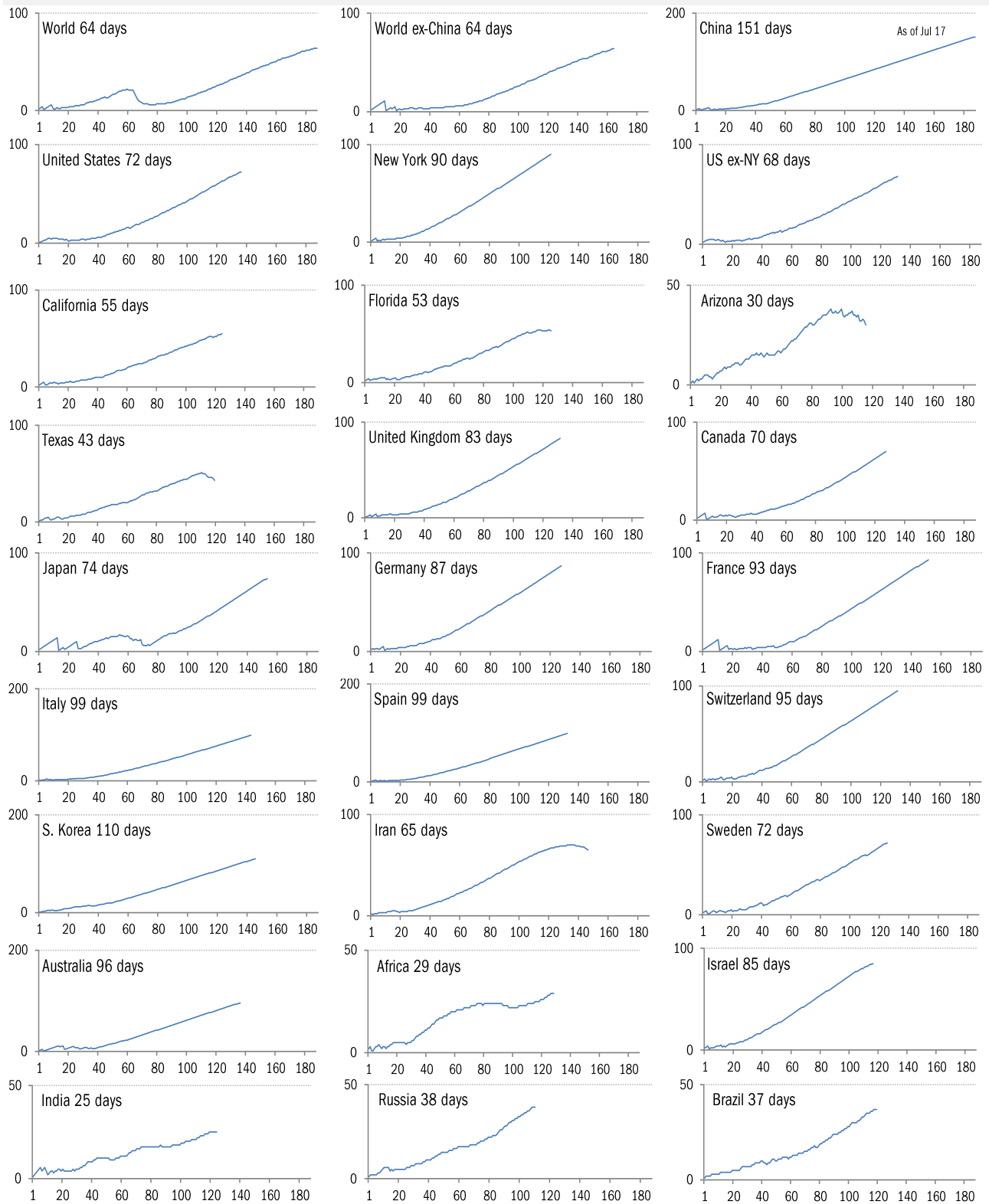
## Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

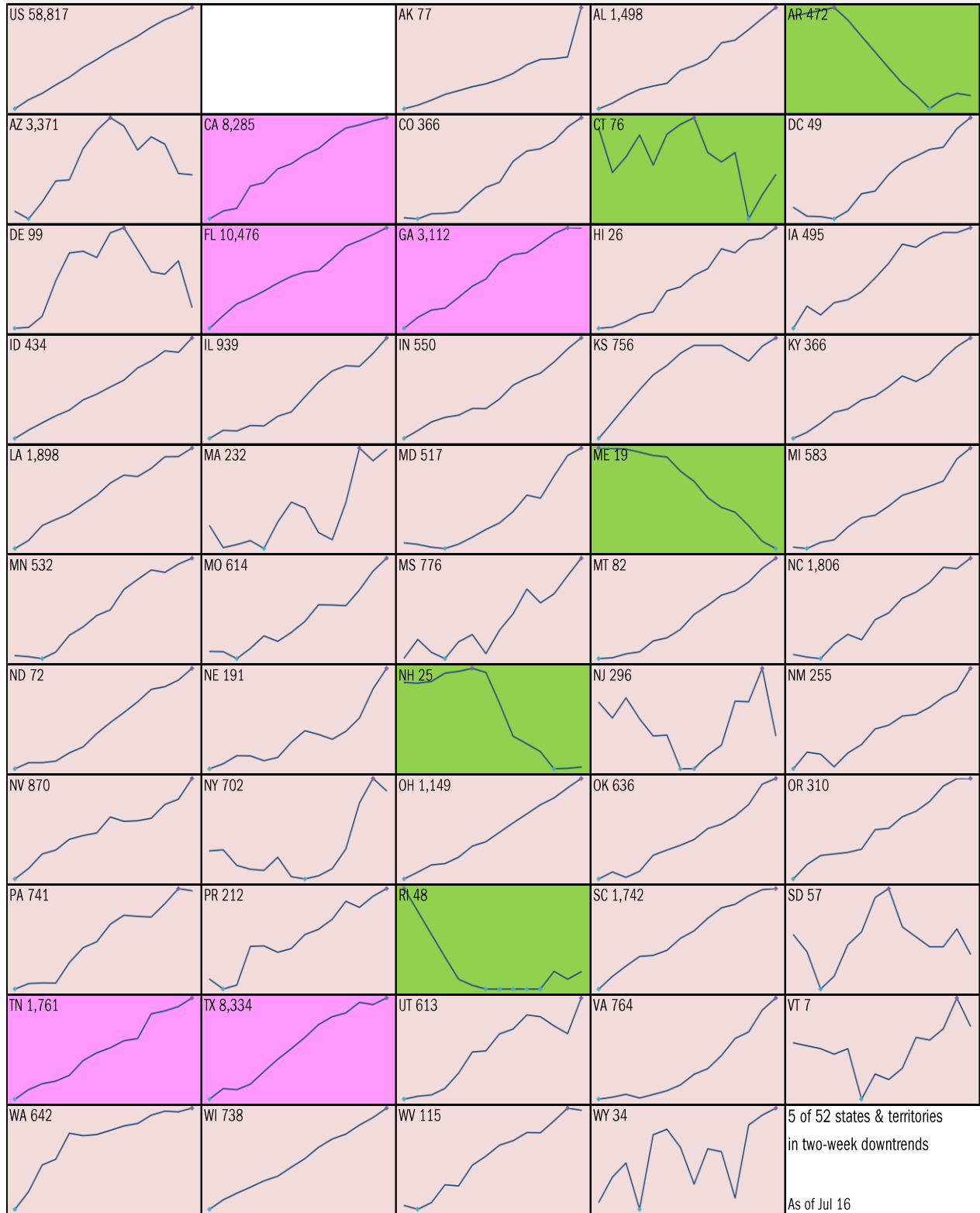
# Our most reliable evidence of slowing exponential growth of Covid-2019

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

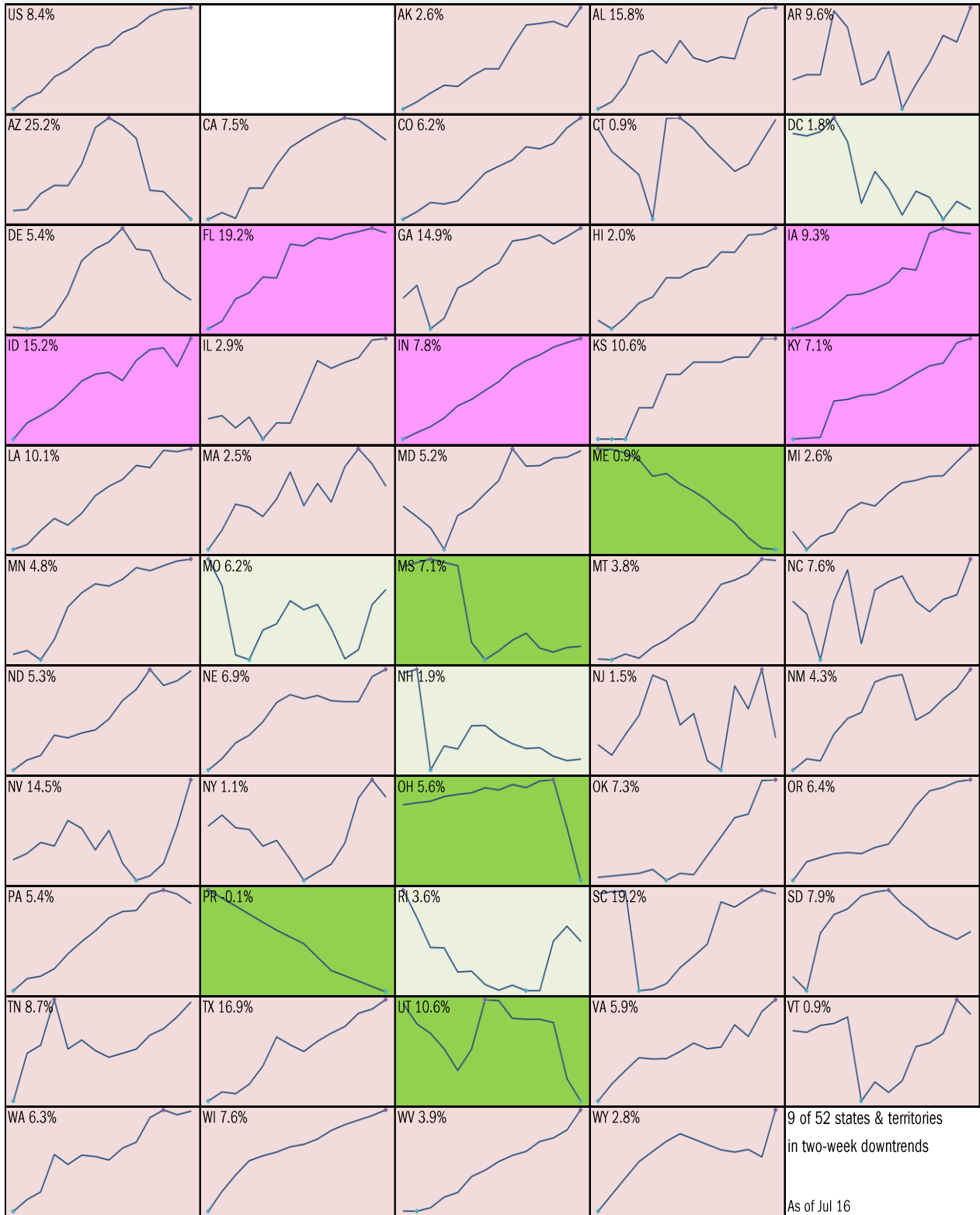


Source: [Covid Tracking Project](#), TrendMacro calculations

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



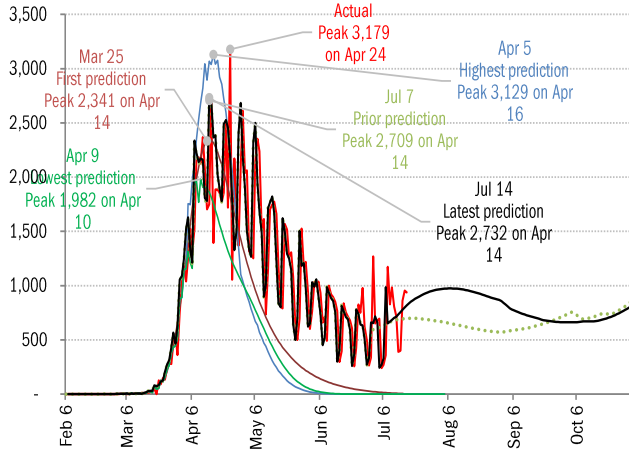
Source: [Covid Tracking Project](#), TrendMacro calculations



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

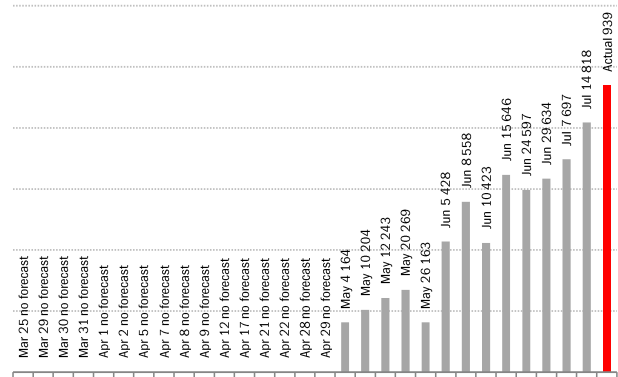
## New daily fatalities

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



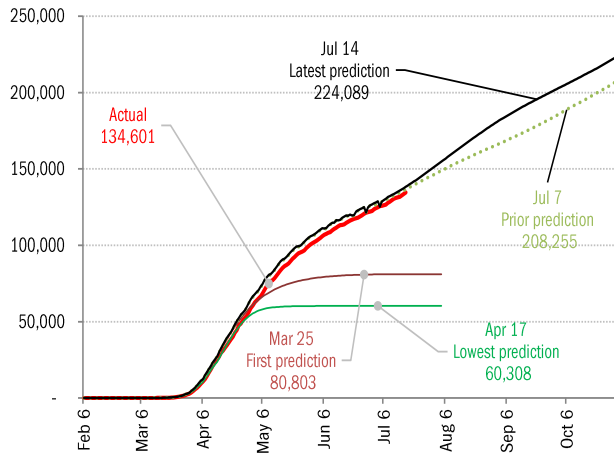
As of Jul 17

For this day, versus all model mean predictions

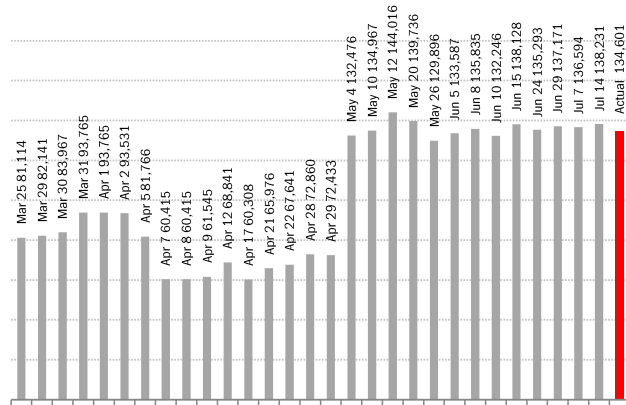


## Cumulative fatalities

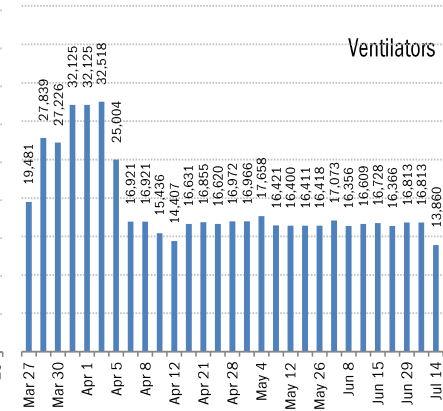
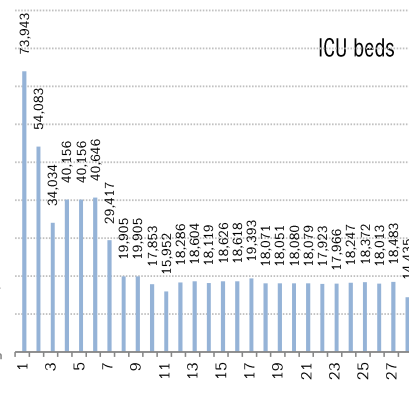
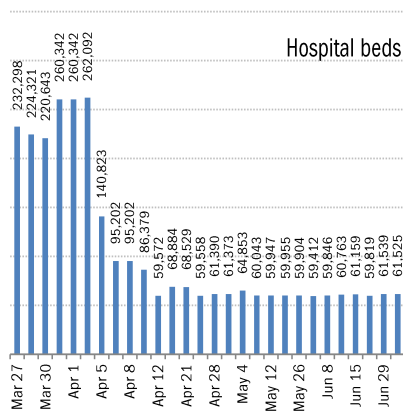
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

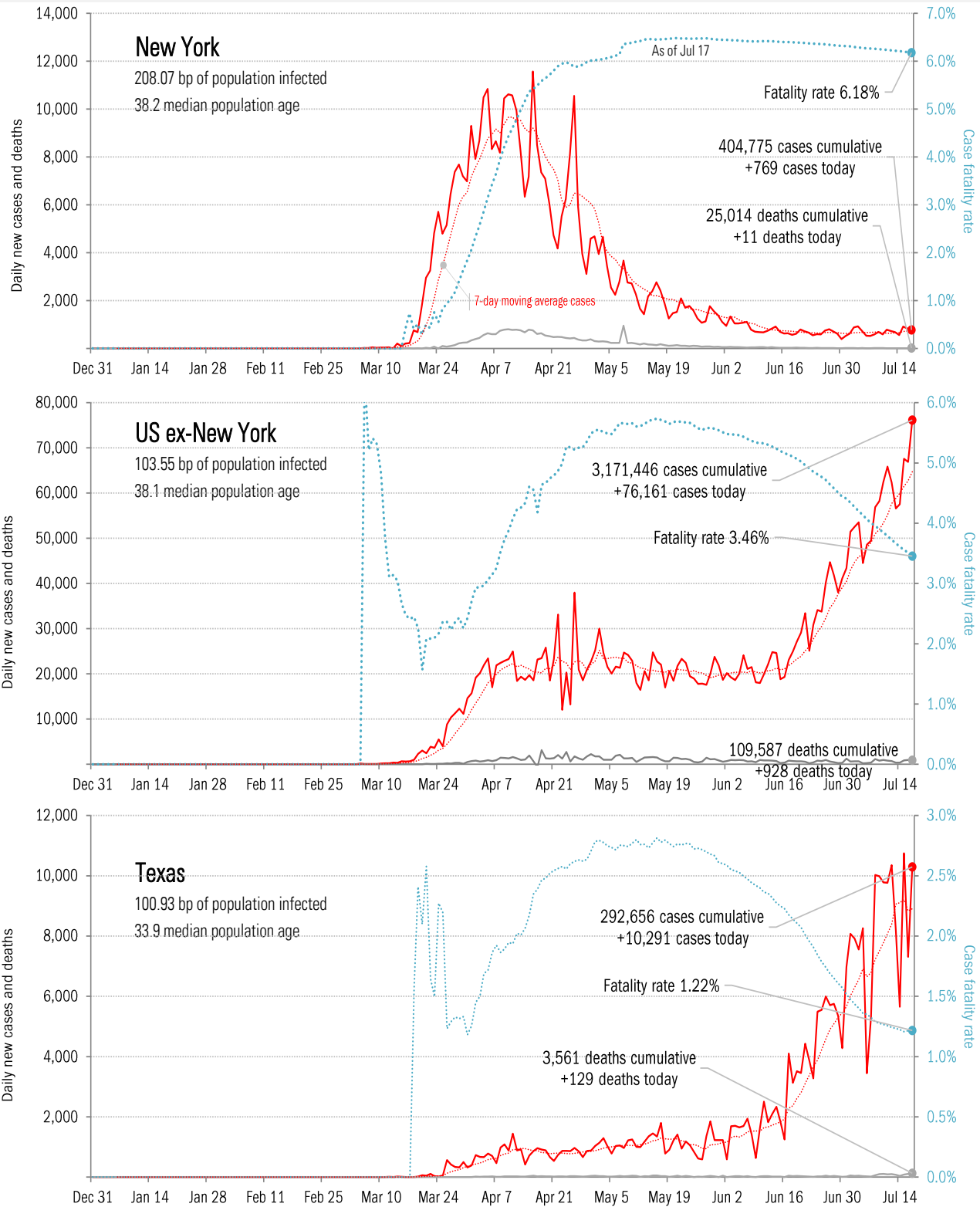


## Healthcare system stress, peak estimated at each model revision



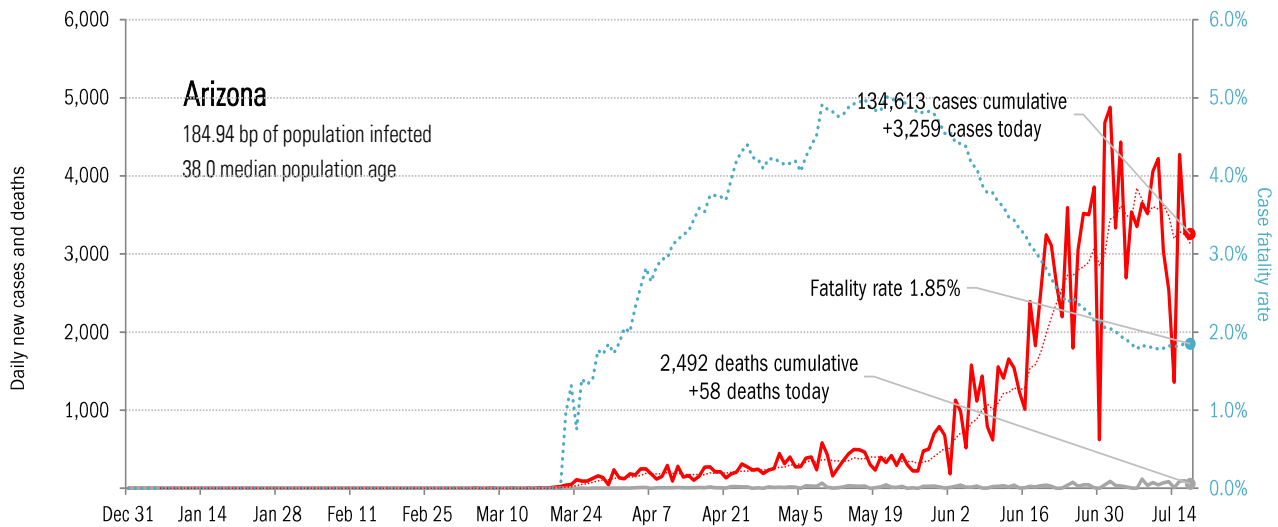
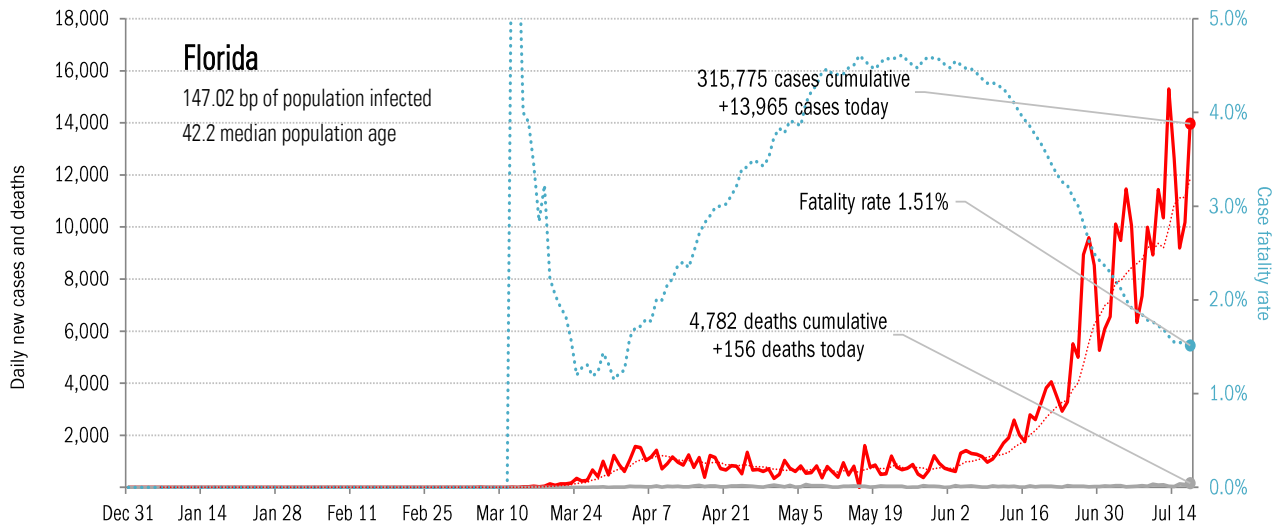
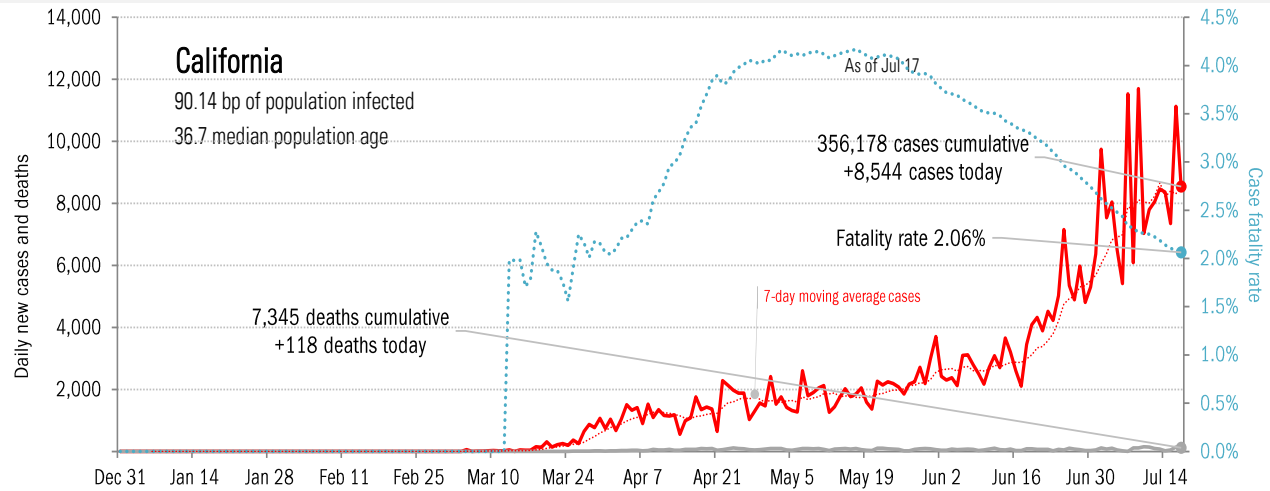
Source: [ECDC](#), [IHME](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



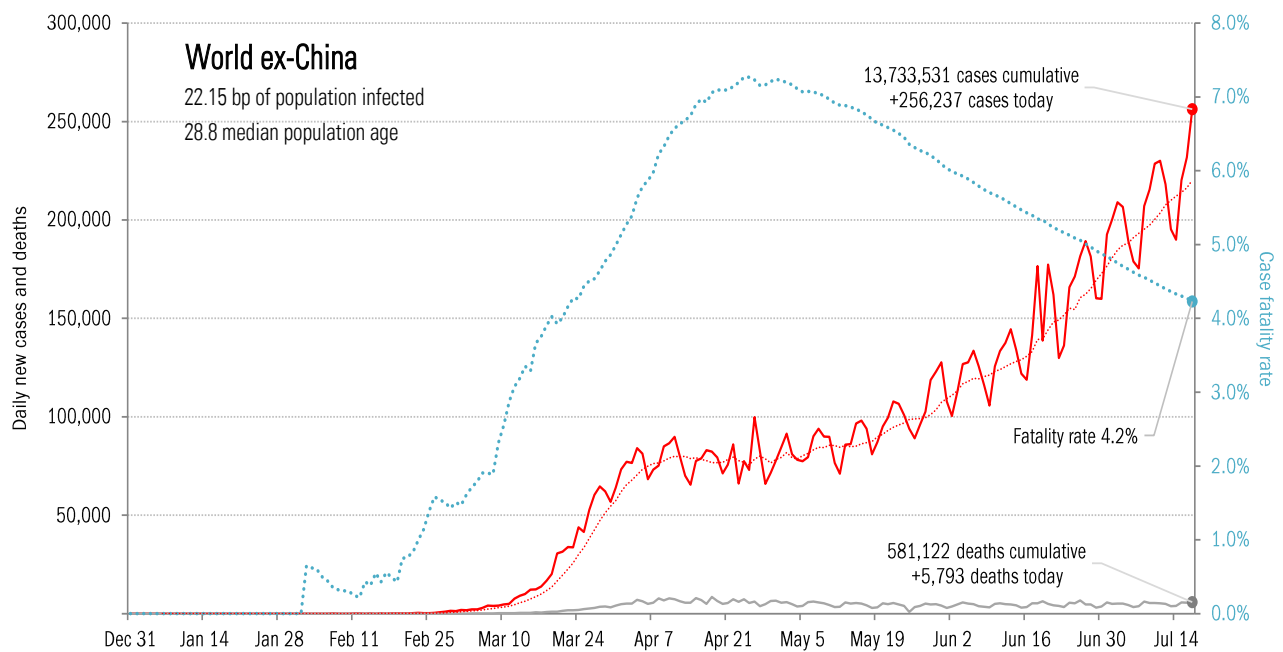
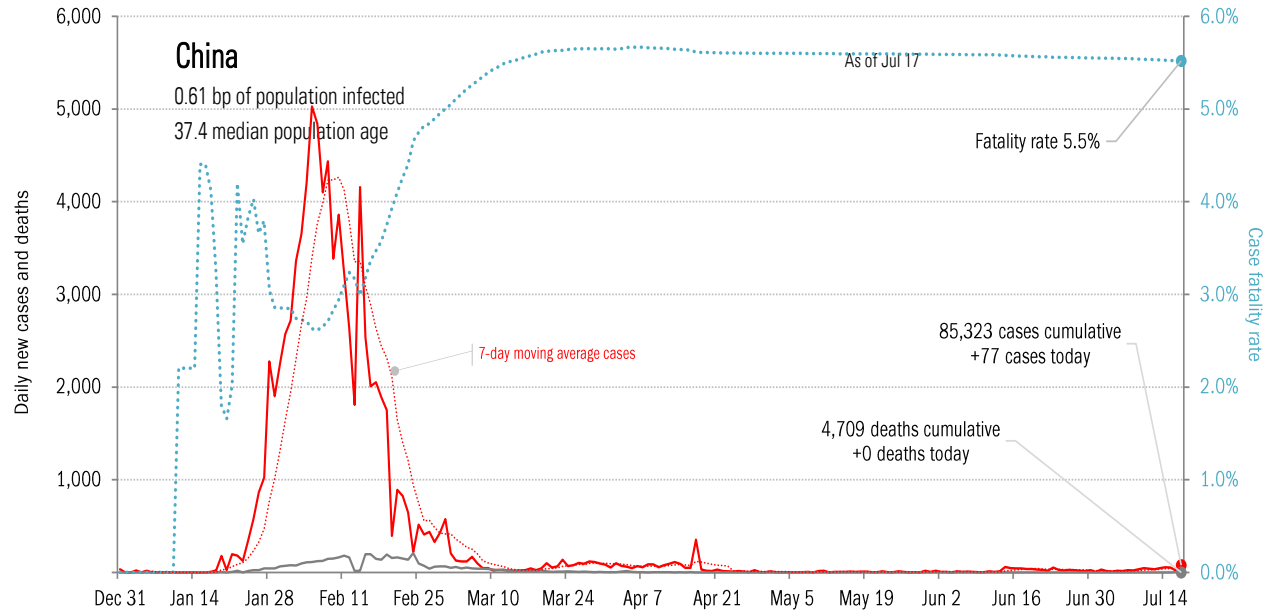
Source: [ECDC](#), TrendMacro calculations

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



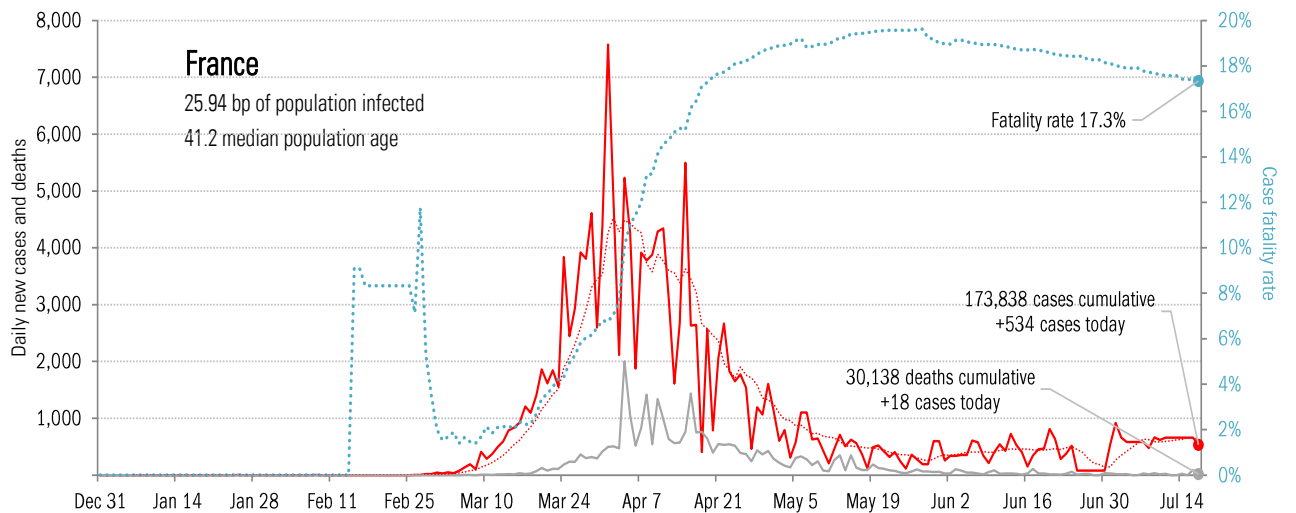
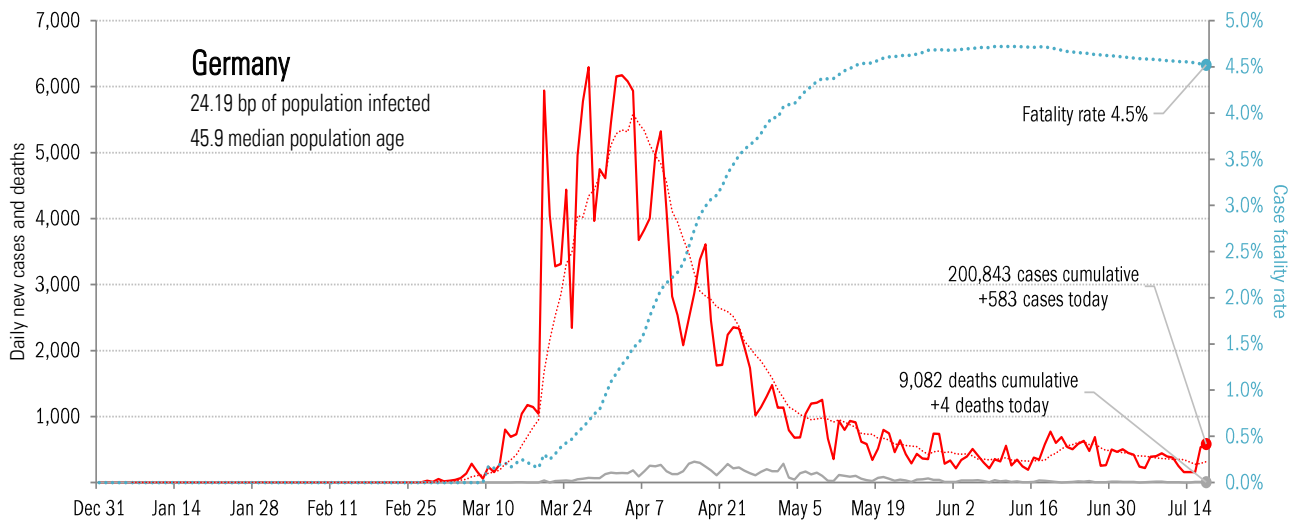
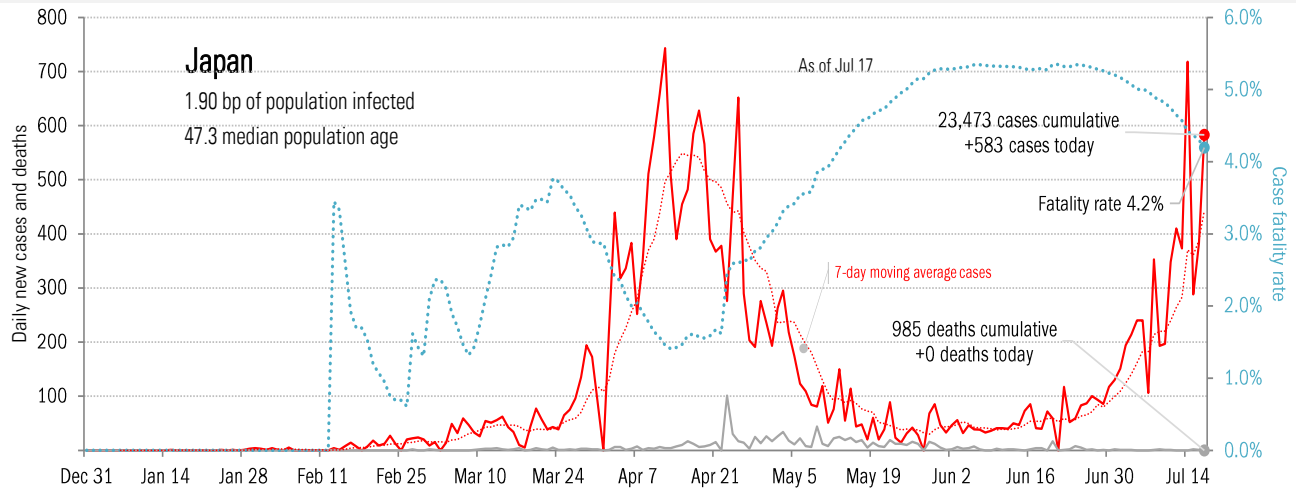
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



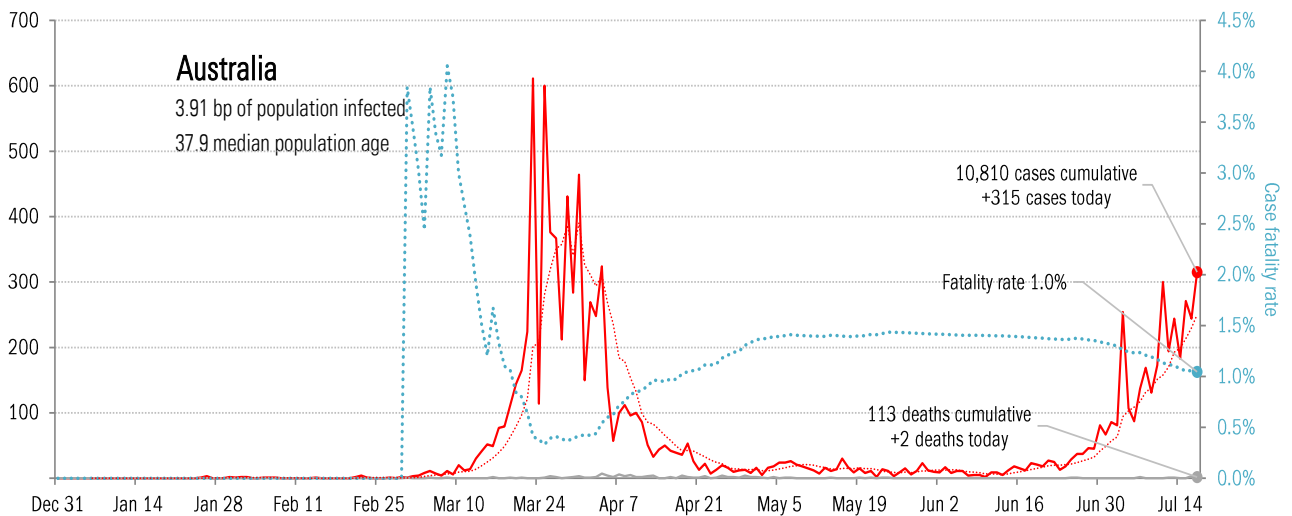
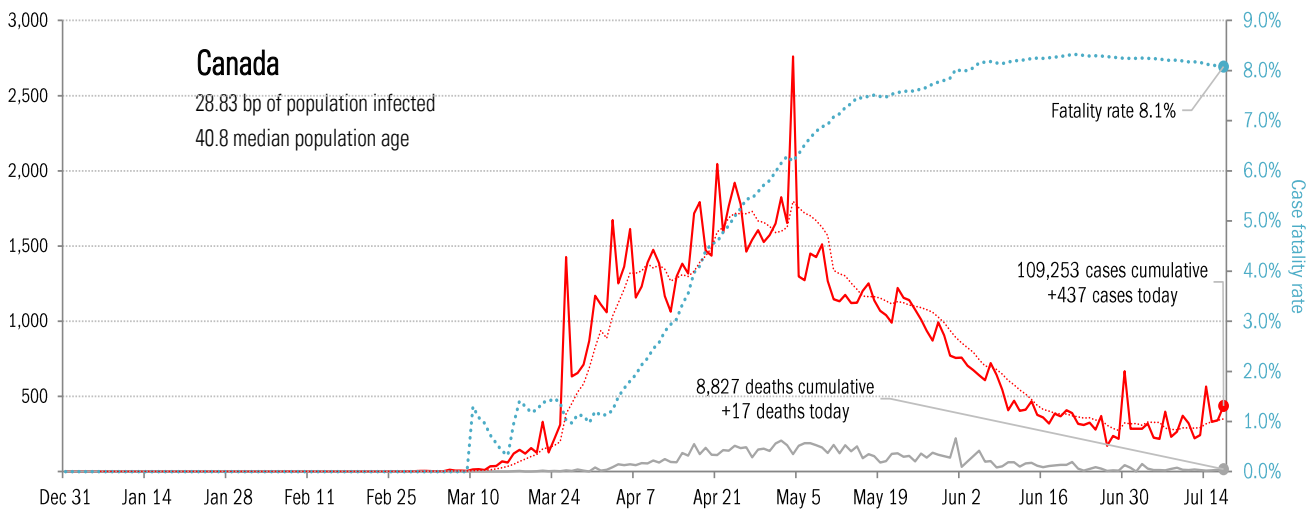
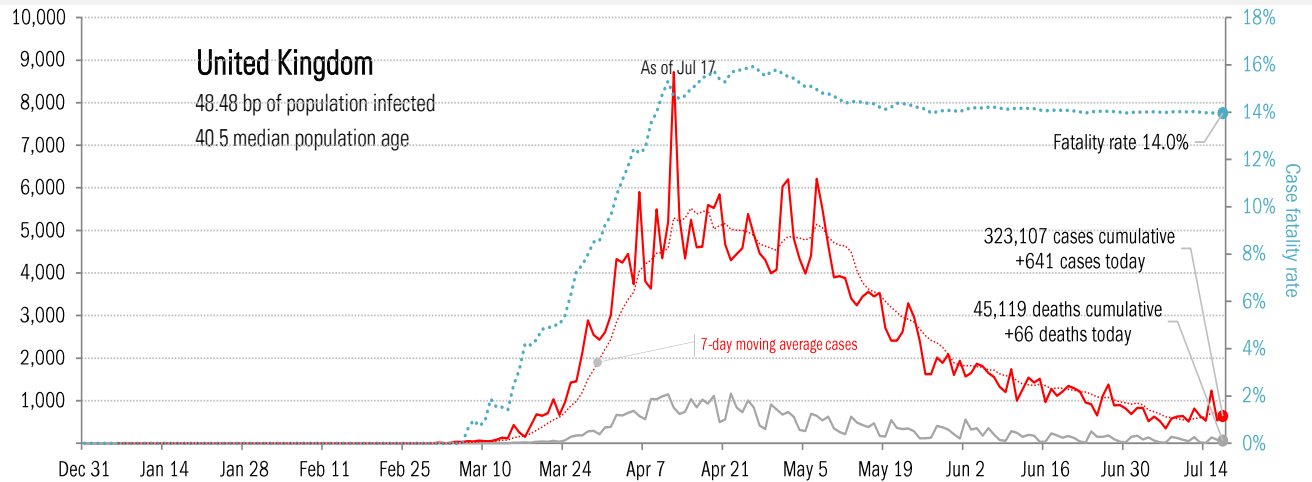
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



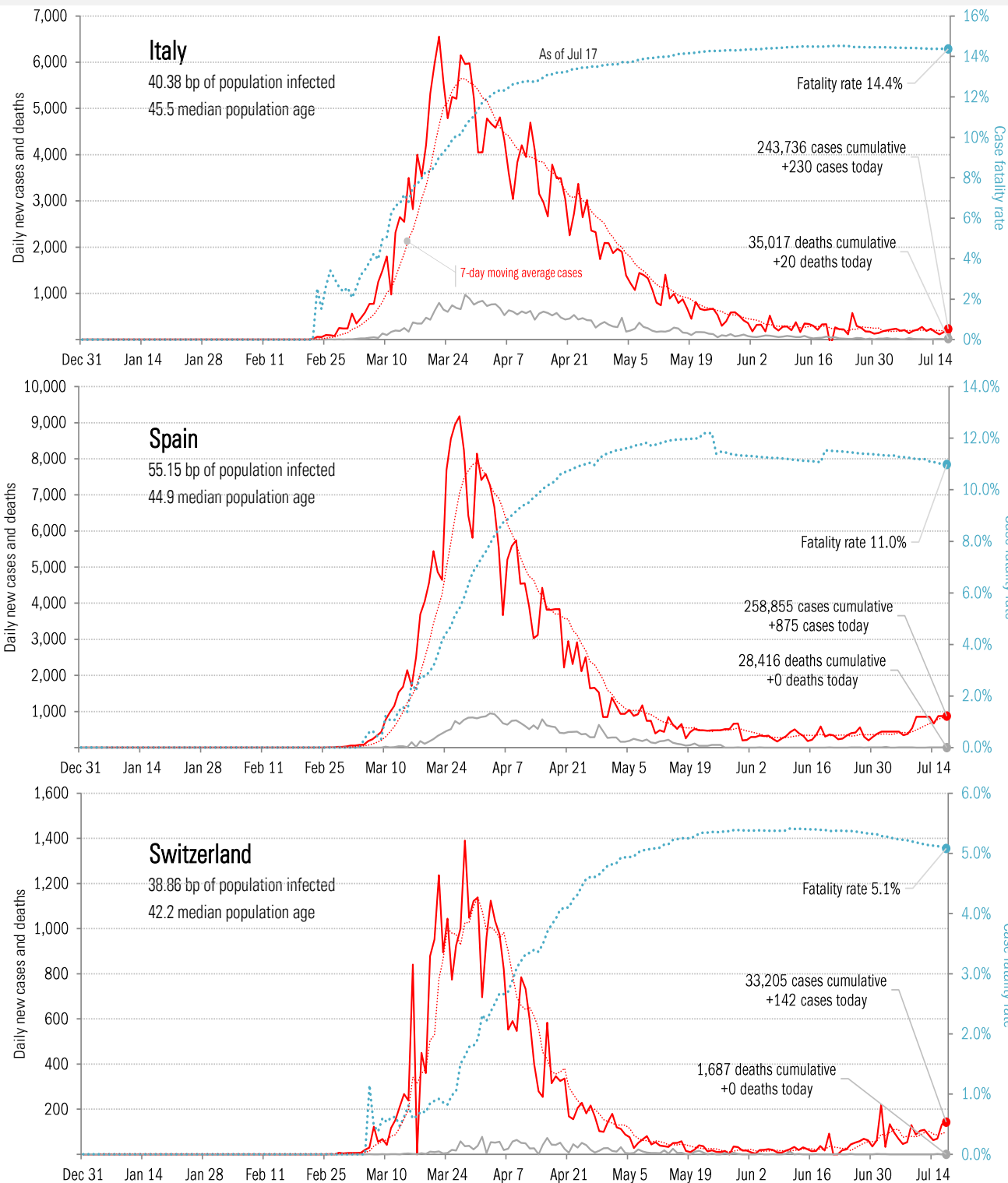
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



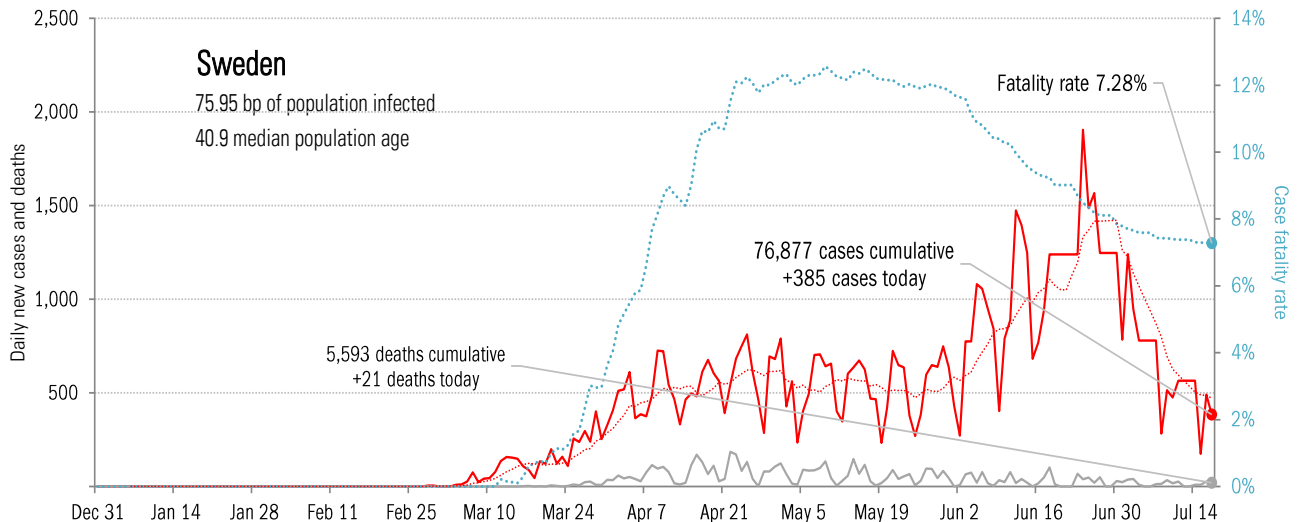
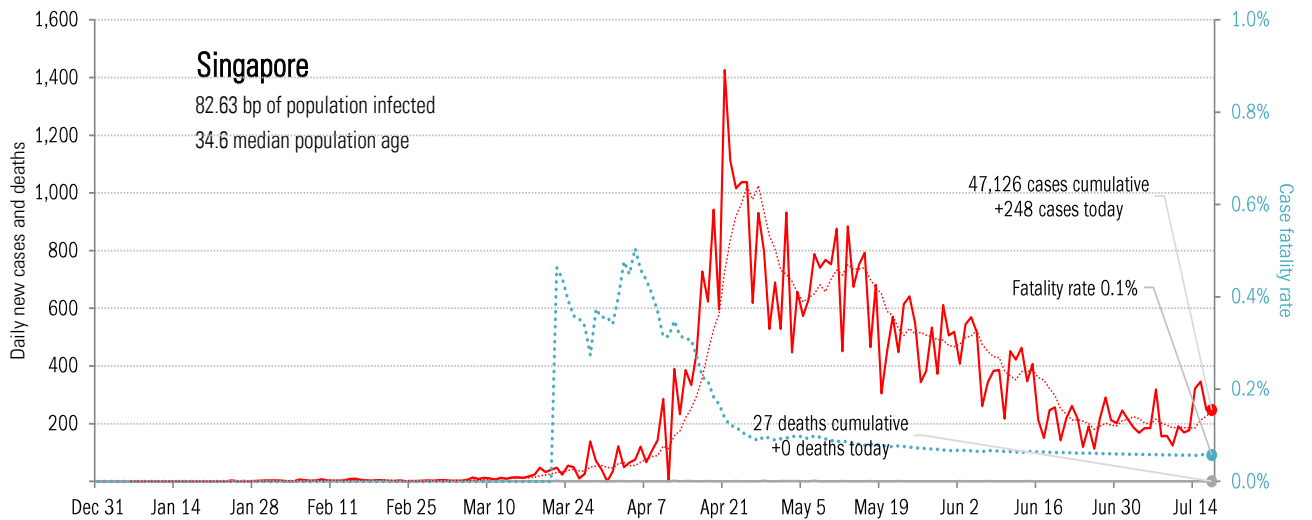
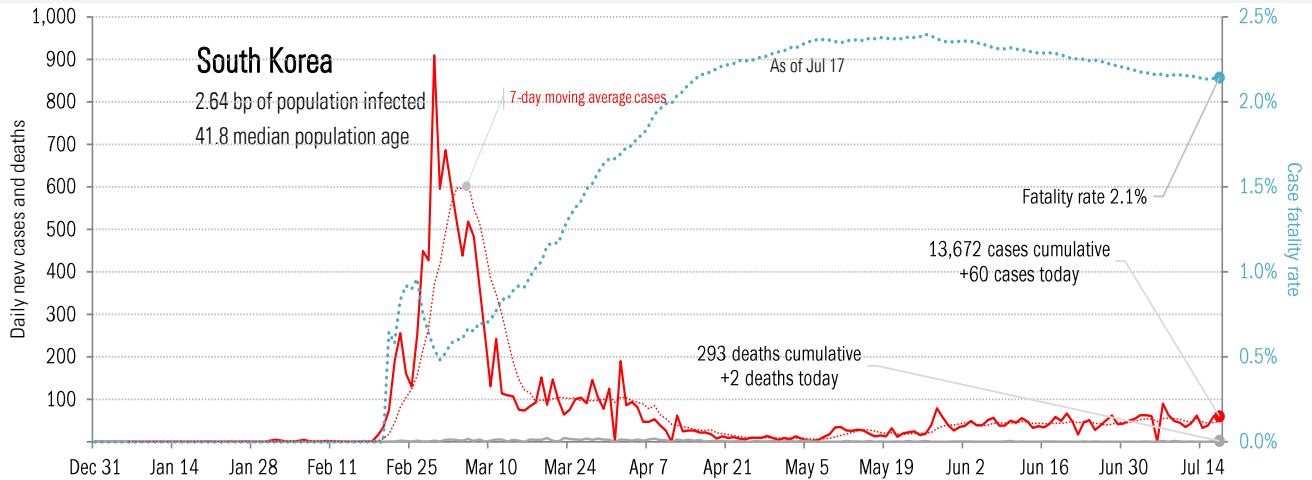
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



Source: [ECDC](#), TrendMacro calculations

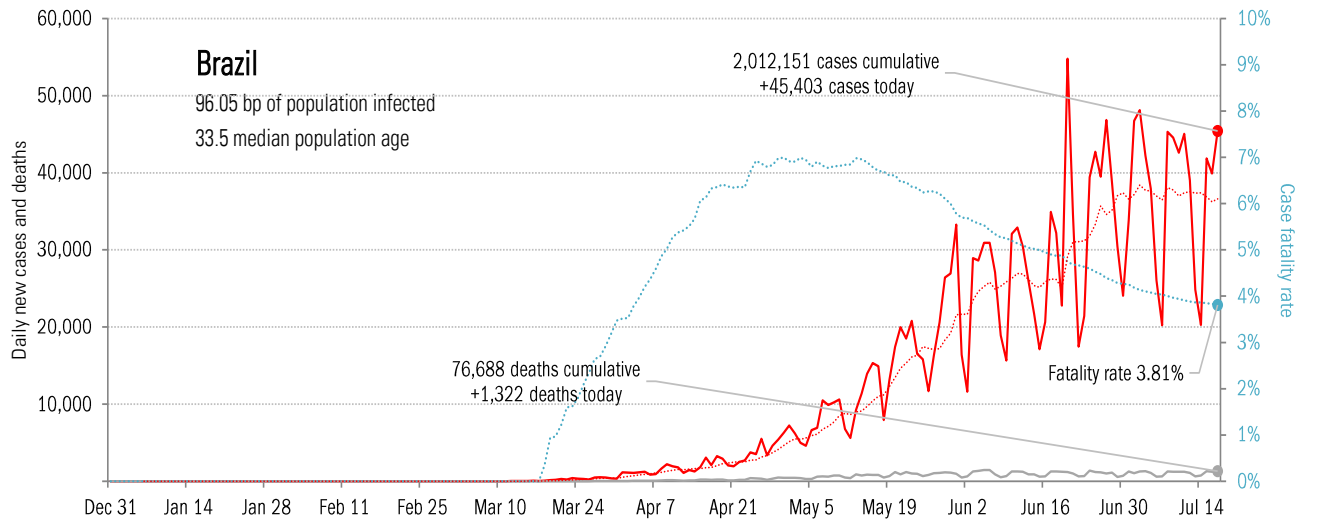
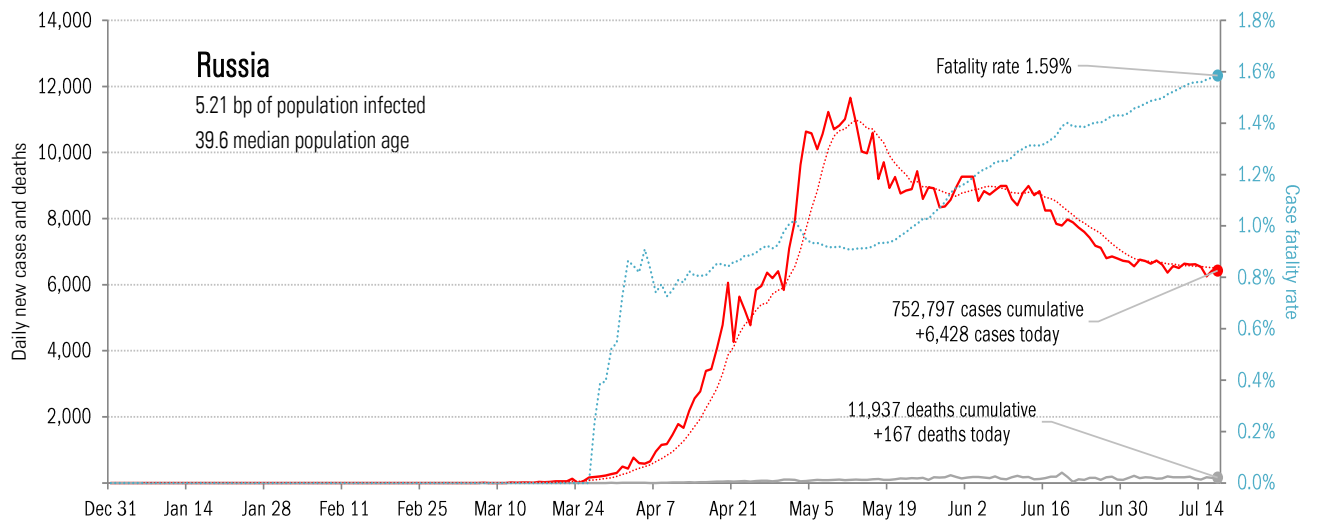
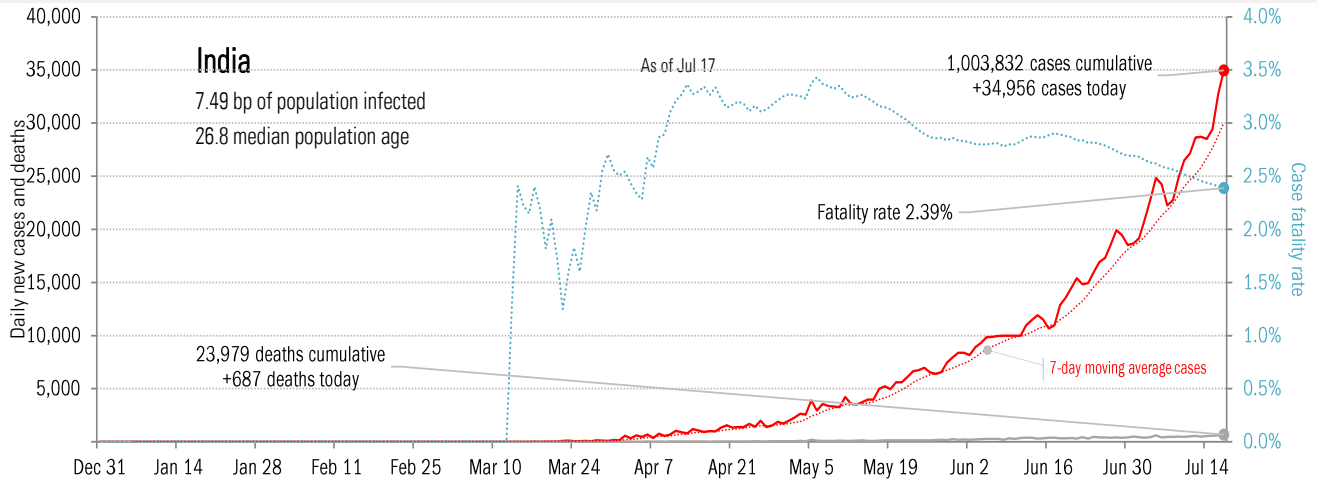
# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

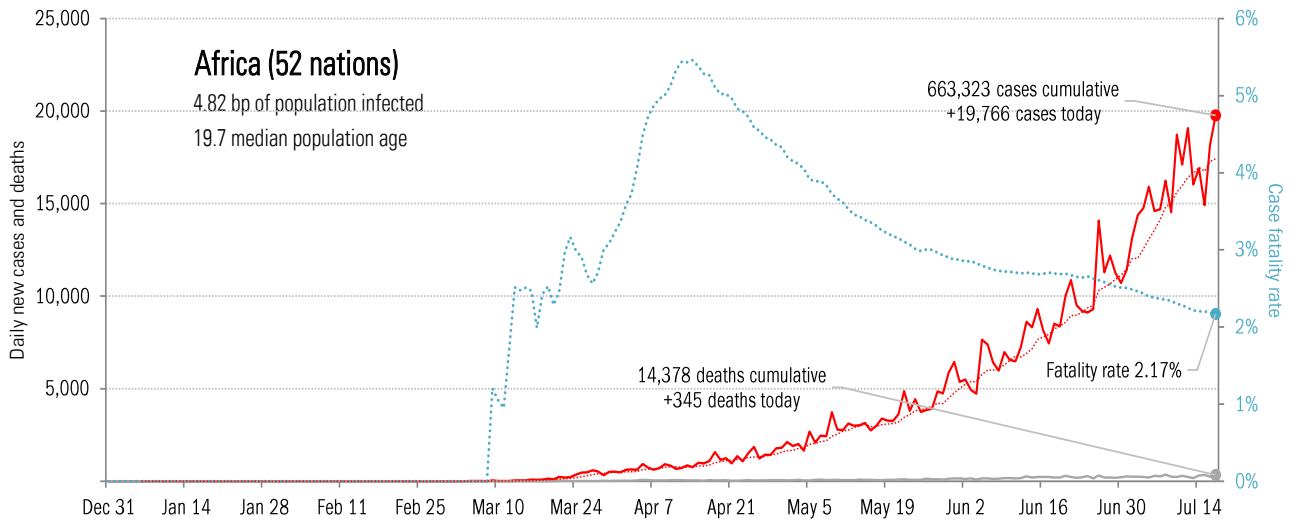
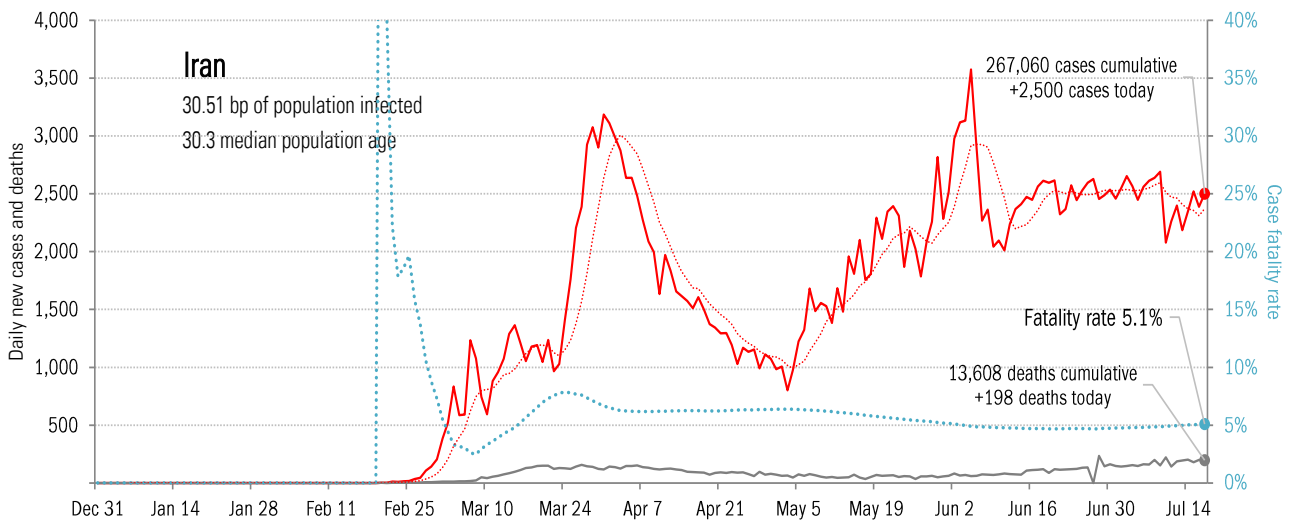
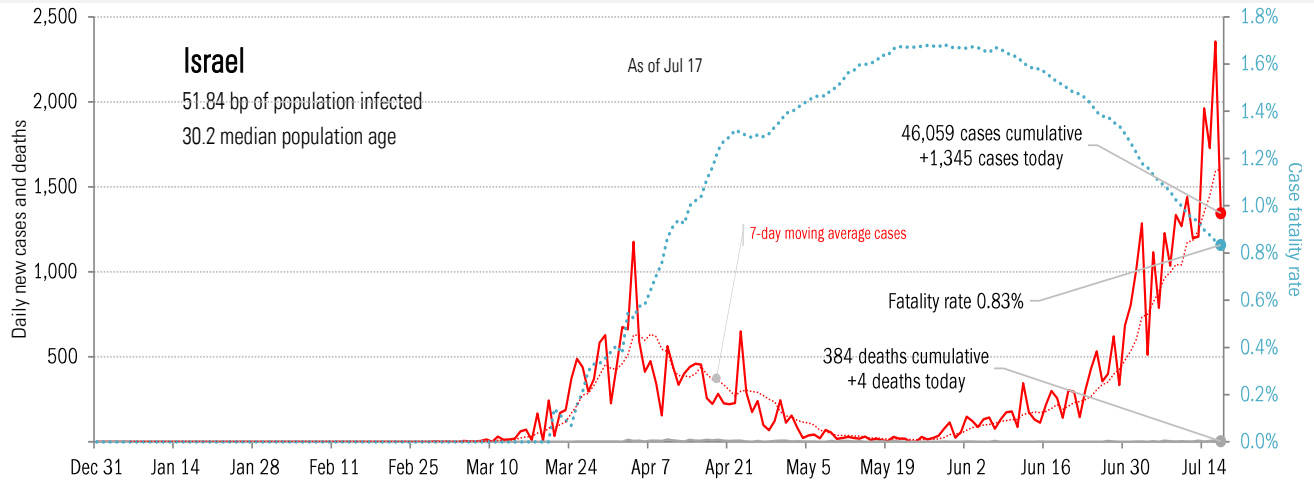


# Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations