

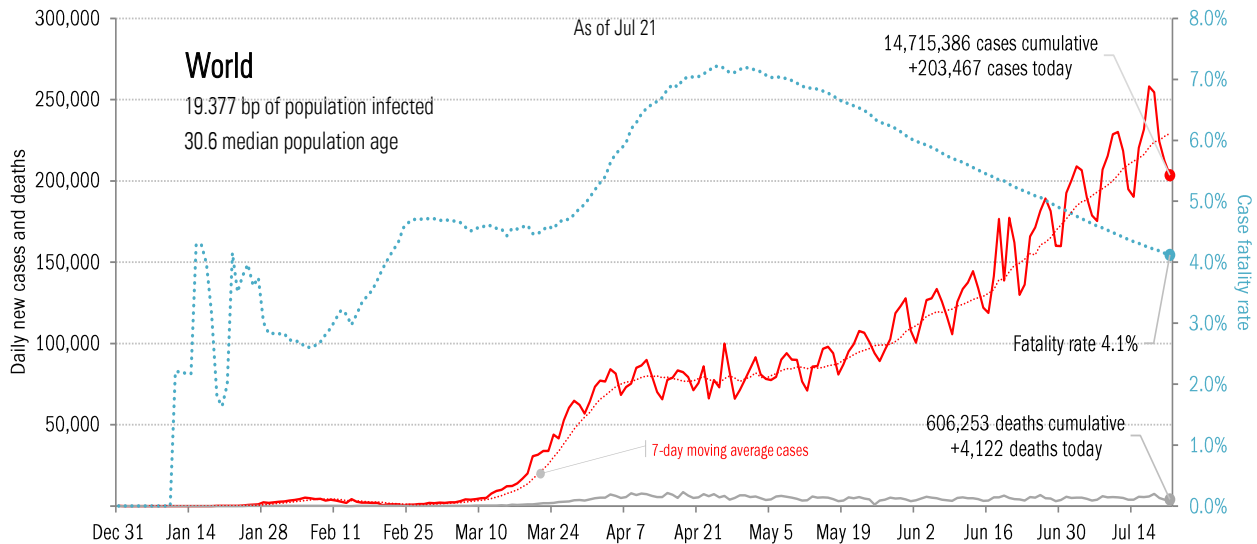
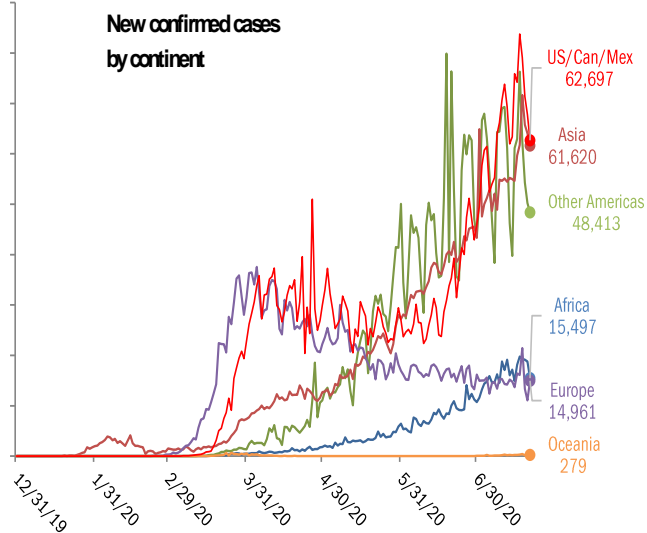
## Data Insights: Covid-2019 Monitor

Tuesday, July 21, 2020

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
US	+56,750	Brazil	+632
India	+37,148	India	+587
Brazil	+20,257	US	+372
South_Africa	+9,300	Mexico	+301
Argentina	+8,250	Iran	+217
Colombia	+6,727	Kazakhstan	+210
Russia	+5,940	Peru	+197
Mexico	+5,172	Colombia	+193
Peru	+4,091	South_Africa	+140
Bangladesh	+2,928	Chile	+130
<b>+156,563</b>		<b>+2,979</b>	
World	+203,467	World	+4,122
Top ten	77%	Top ten	72%



Source: [ECDC](#), TrendMacro calculations

#### For more information contact us:

Donald Luskin: 312 273 6766 [don@trendmacro.com](mailto:don@trendmacro.com)  
 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

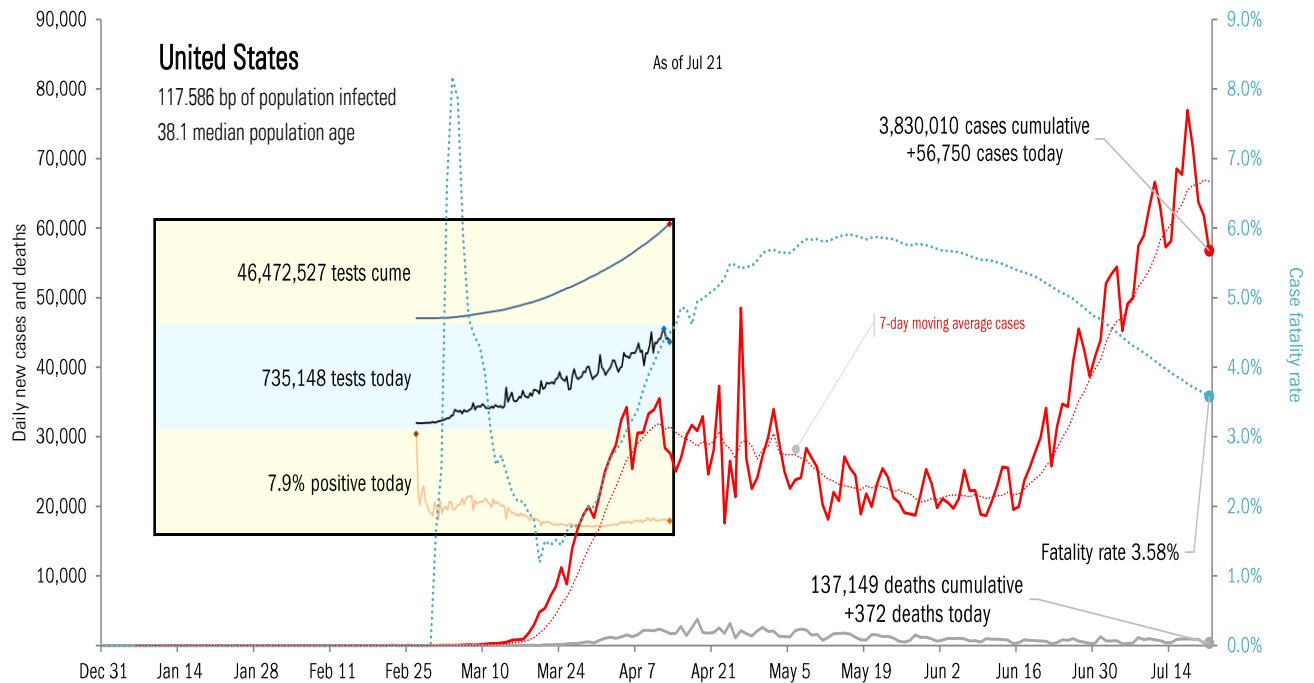
National and state-by-state data do not line up because of different sources

## The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
FL	+10,347	FL	+92	AL	+586	NY	407,326	NY	25,056	NY	89,995
TX	+7,404	TX	+62	FL	+296	CA	391,538	NJ	15,715	FL	21,605
CA	+6,846	LA	+29	AZ	+66	FL	360,394	MA	8,433	NJ	21,058
LA	+3,186	AZ	+23	VA	+62	TX	332,434	CA	7,694	GA	15,047
GA	+2,452	CH	+15	CR	+60	NJ	176,963	IL	7,494	MD	11,897
AL	+1,880	CT	+10	MD	+56	IL	163,923	PA	7,018	MA	11,722
TN	+1,639	CA	+9	CH	+55	GA	145,575	MI	6,373	VA	11,265
AZ	+1,559	NJ	+9	MN	+51	AZ	145,183	FL	5,183	CT	10,654
SC	+1,459	SC	+9	IN	+46	MA	113,789	CT	4,406	CH	9,610
AR	+1,394	KS	+8	KS	+44	PA	101,738	TX	4,020	AL	8,368
<b>+38,166</b>		<b>+266</b>		<b>+1,322</b>		<b>2,338,863</b>		<b>91,392</b>		<b>211,221</b>	
All states	+57,948	All states	+365	All states	+1,652	All states	3,813,916	All states	133,283	All states	279,030
Top ten	66%	Top ten	73%	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	-2,483	CA	-81	FL	-44	NC	+11,583
FL	-2,131	TX	-31	WA	-19	TX	+4,935
SC	-915	CH	-27	AR	-17	MS	+4,383
AZ	-800	SC	-11	CO	-12	TN	+1,655
GA	-799	MA	-10	GA	-12	AR	+1,105



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

## Recommended reading

### [How COVID-19 fatality reports are distorting the data on daily death rates](#)

Daniel Payne  
*Just the News*  
July 20, 2020

### [Chinese companies are using a contentious labor program for Uighurs to satisfy demand for P.P.E.](#)

*New York Times*  
July 21, 2020

### [China is using a visit by the World Health Organization to extol its response to the pandemic.](#)

*New York Times*  
July 21, 2020

### [This Hospital Cost \\$52 Million. It Treated 79 Virus Patients.](#)

Brian M. Rosenthal  
*New York Times*  
July 21, 2020

### [Treatment Protocol](#)

*Frontline COVID-19 Critical Care Alliance*  
July 14, 2020

### [Canales clarifies reports about local infant COVID numbers](#)

Tim Griffin  
*KRIS News*  
July 18, 2020

### [Biden has fought a pandemic before. It did not go smoothly.](#)

Natasha Korecki  
*Politico*  
May 4, 2020

### [Obama admin shut down H1N1 testing, complicating Biden's attacks on Trump's coronavirus screening](#)

Gregg Re  
*Fox News*  
July 9, 2020

### [The people with hidden immunity against Covid-19](#)

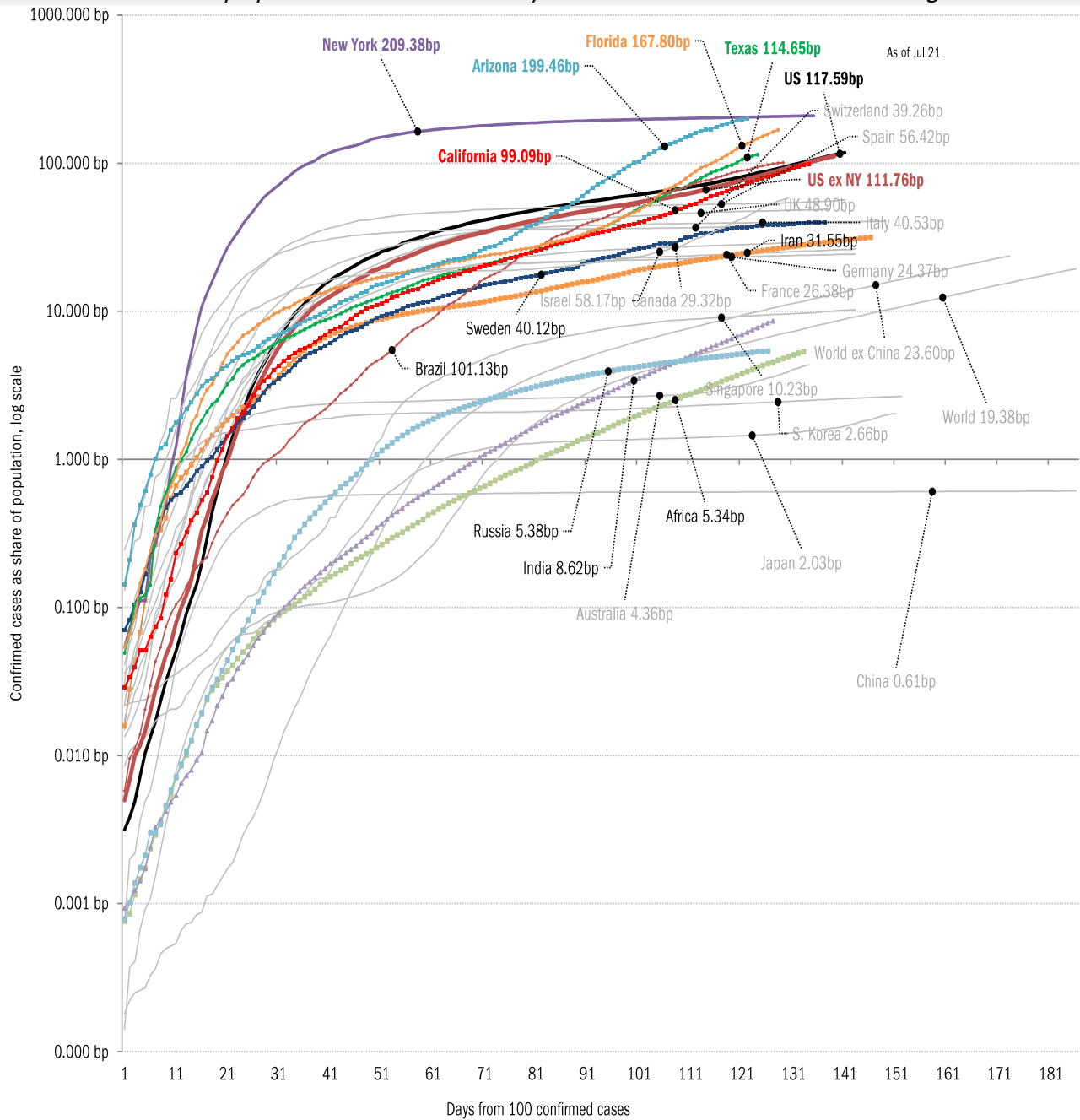
Zaria Gorvett  
*BBC*  
July 19, 2020

## Meme of the day



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

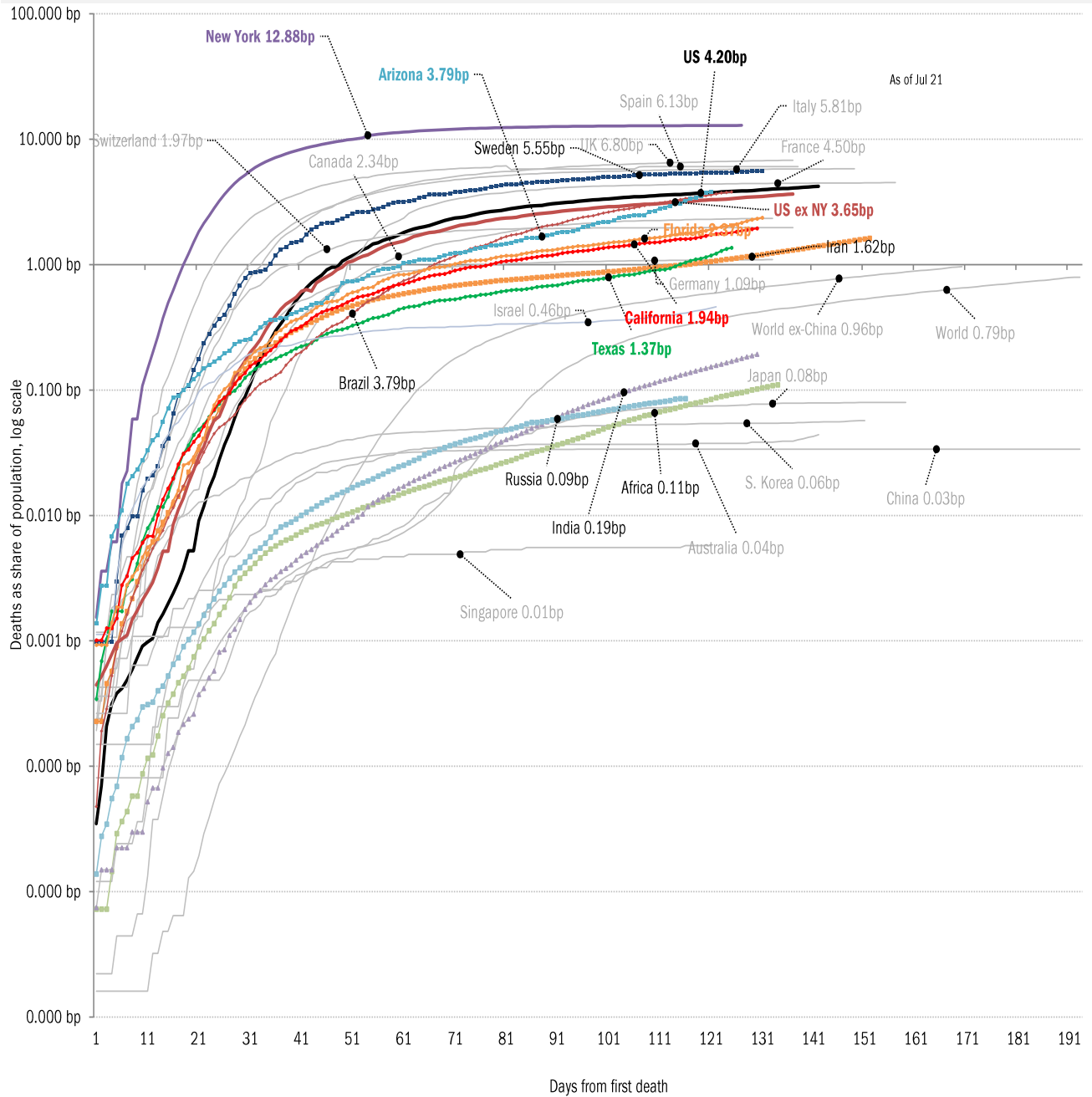
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [ECDC](#), TrendMacro calculations

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

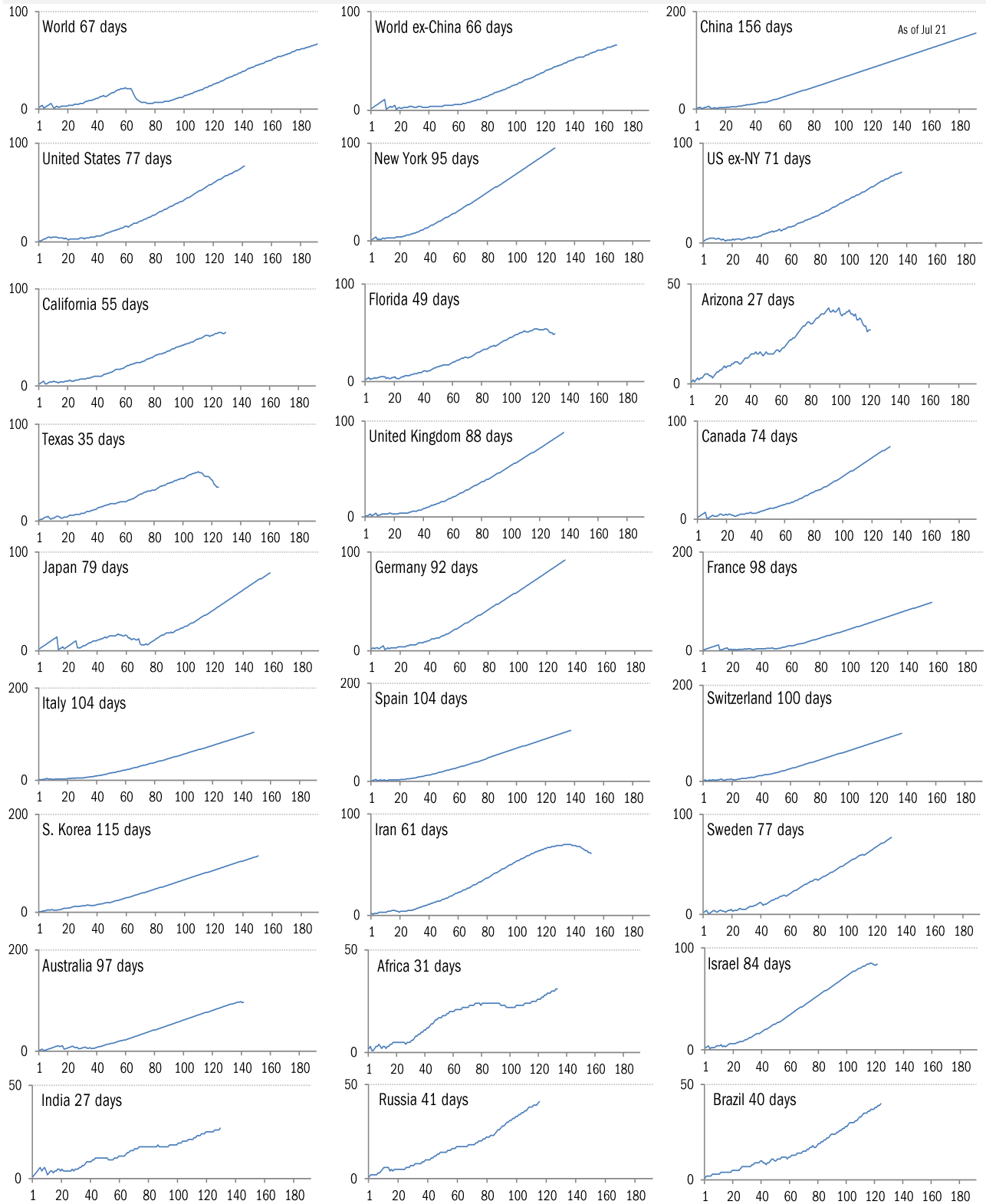
## Share of deceased population from day of first fatality



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

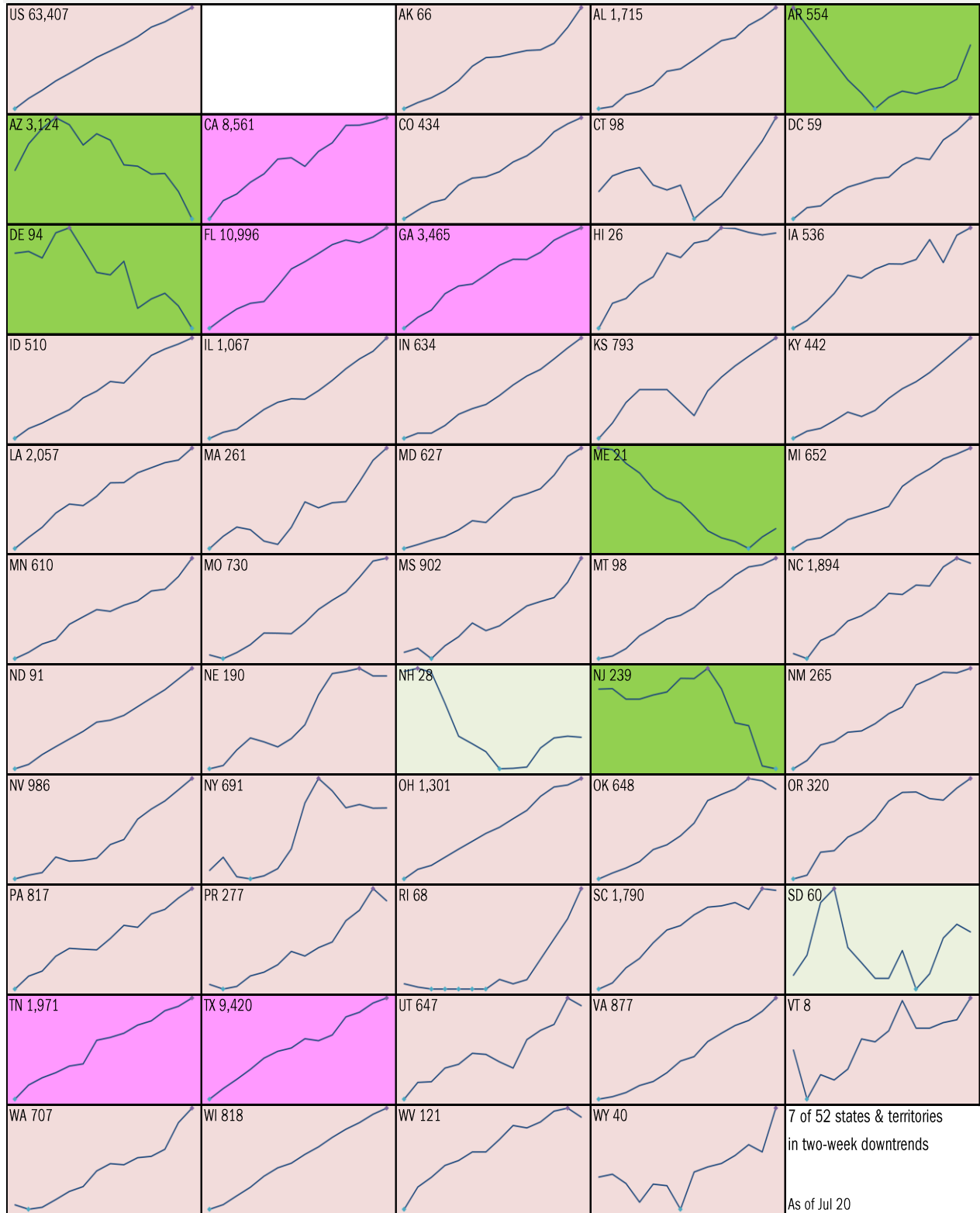


Source: [ECDC](#), TrendMacro calculations

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

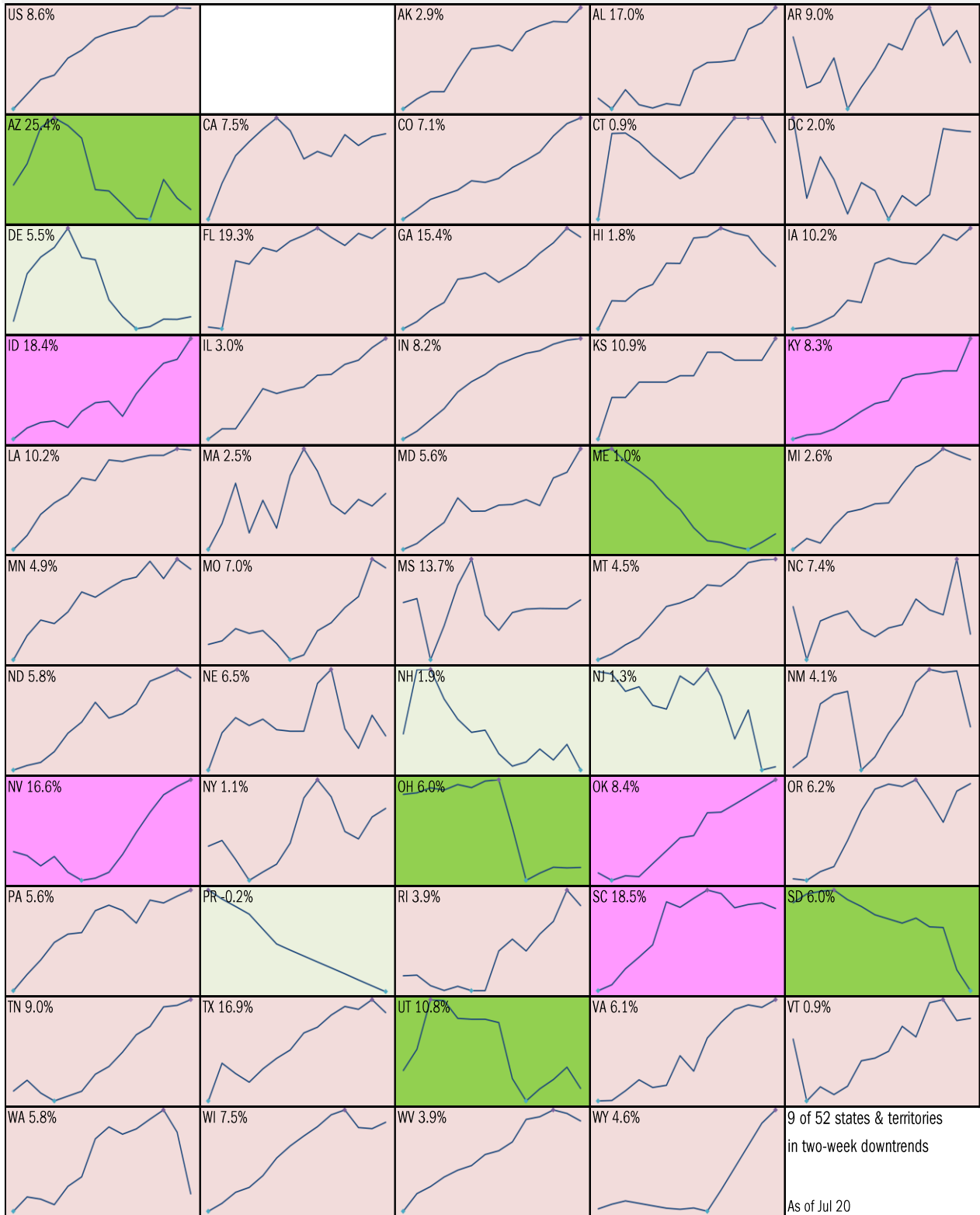
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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



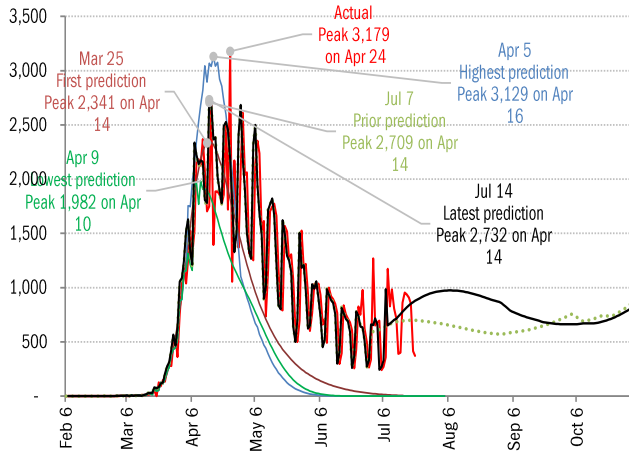
Source: [Covid Tracking Project](#), TrendMacro calculations



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

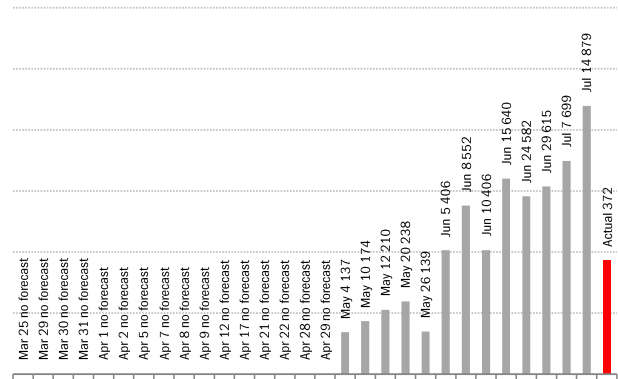
## New daily fatalities

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



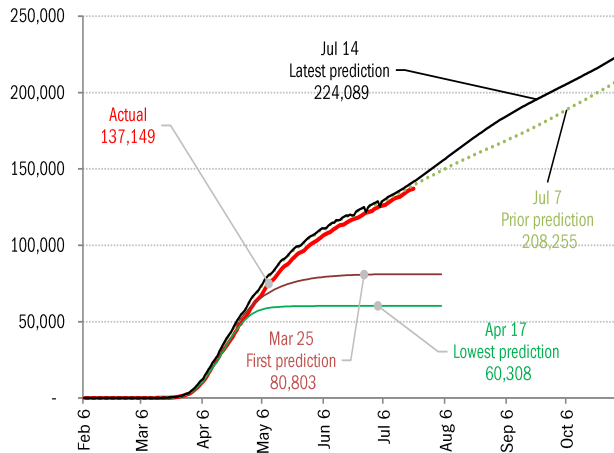
As of Jul 21

For this day, versus all model mean predictions

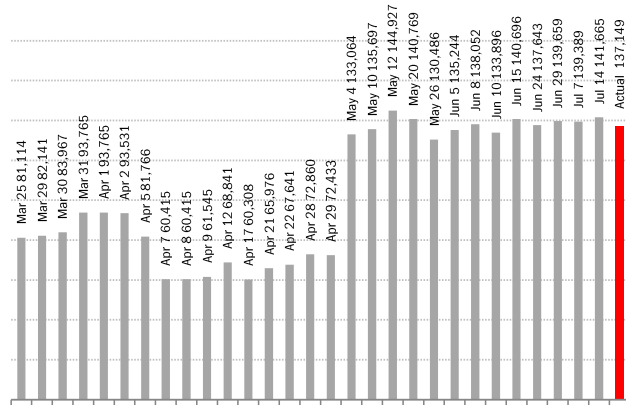


## Cumulative fatalities

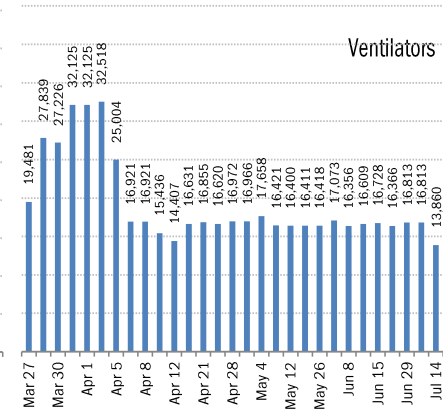
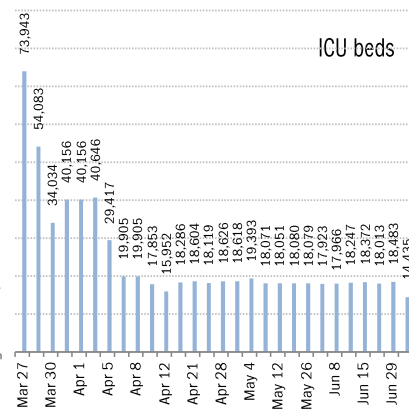
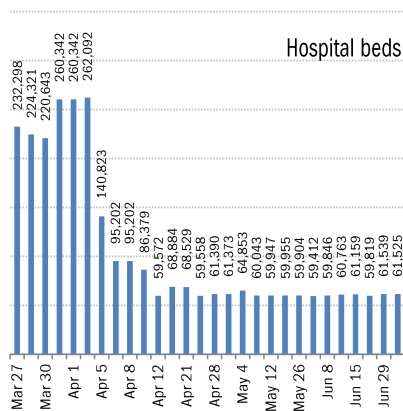
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

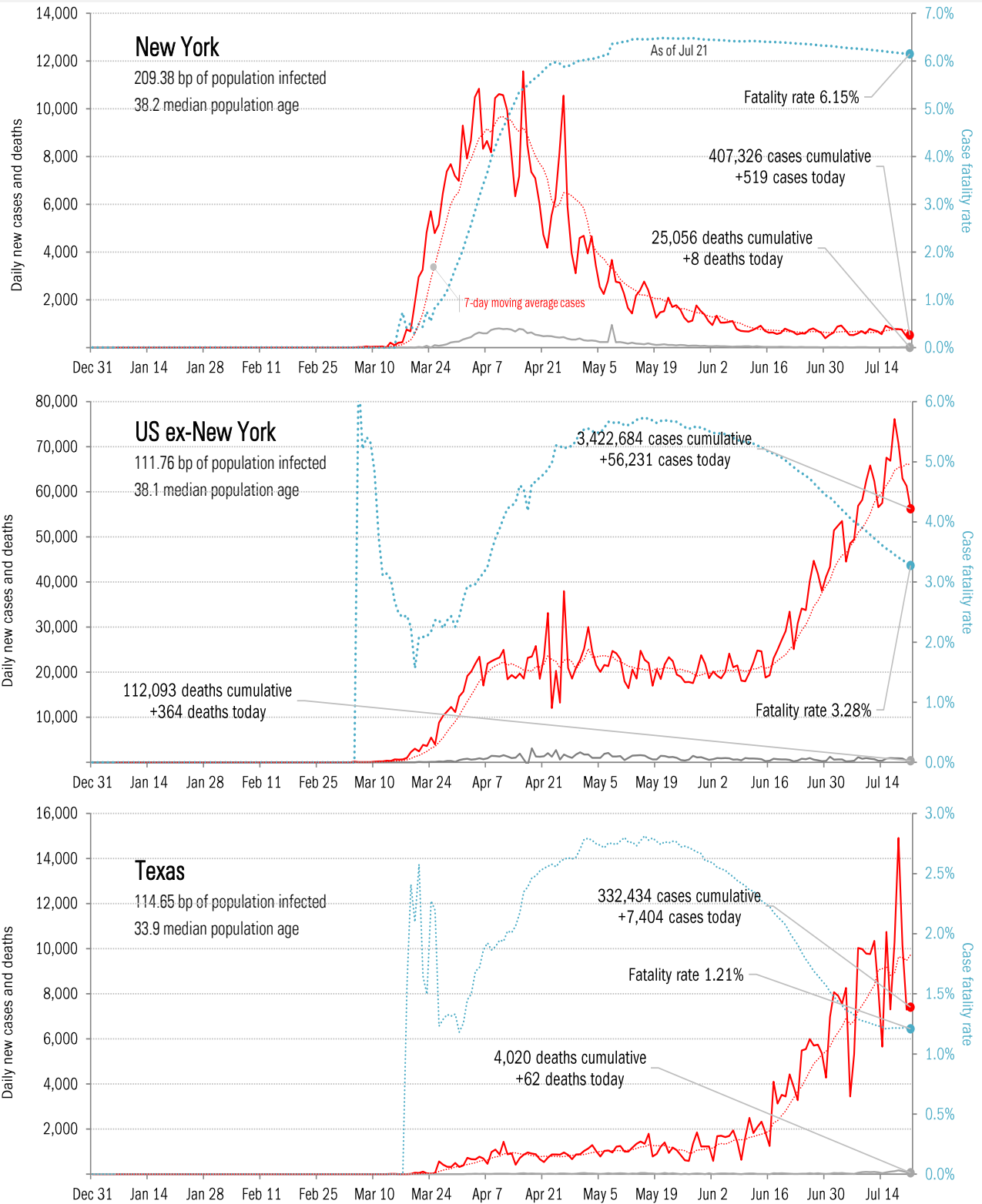


## Healthcare system stress, peak estimated at each model revision



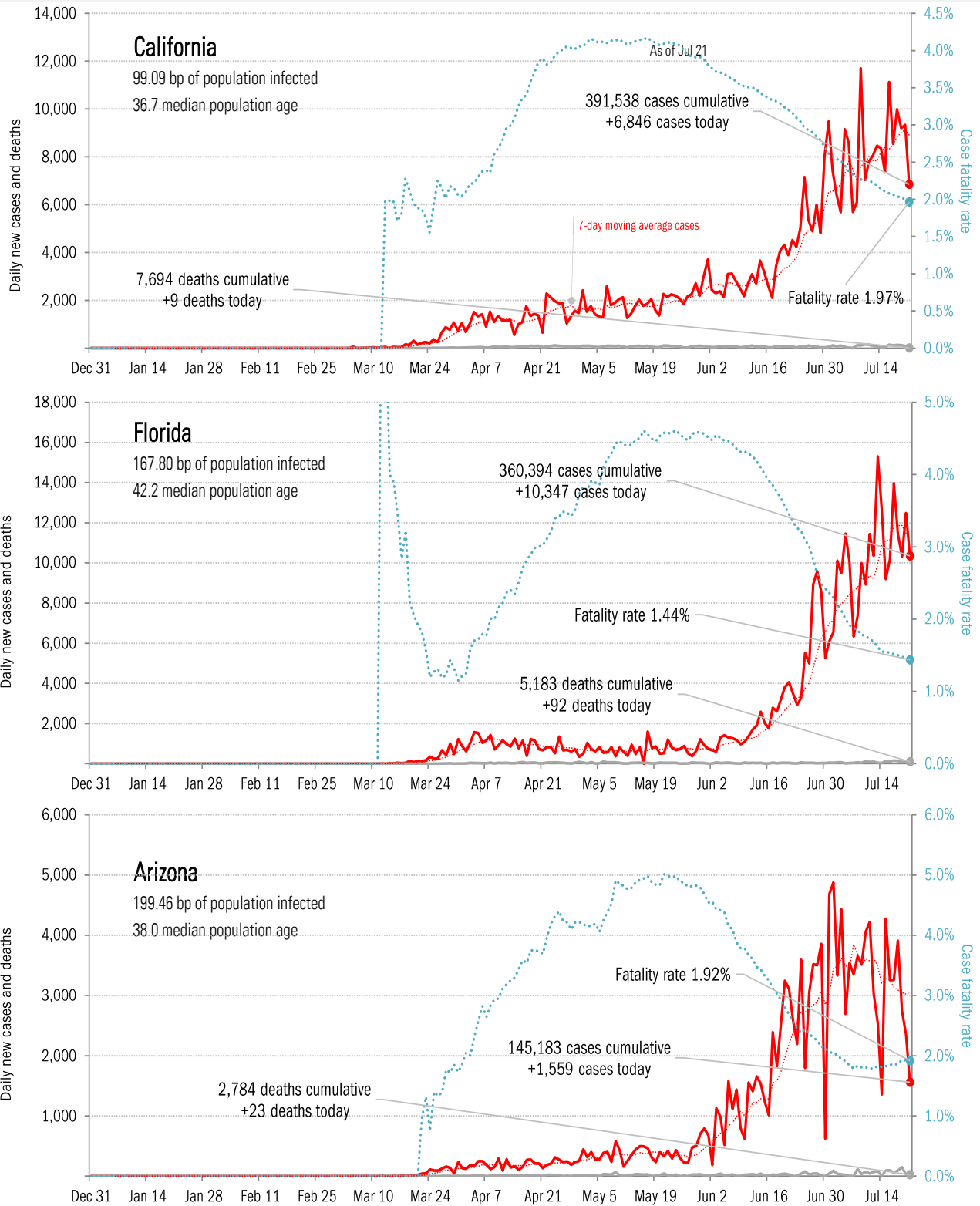
Source: [ECDC](#), [IHME](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



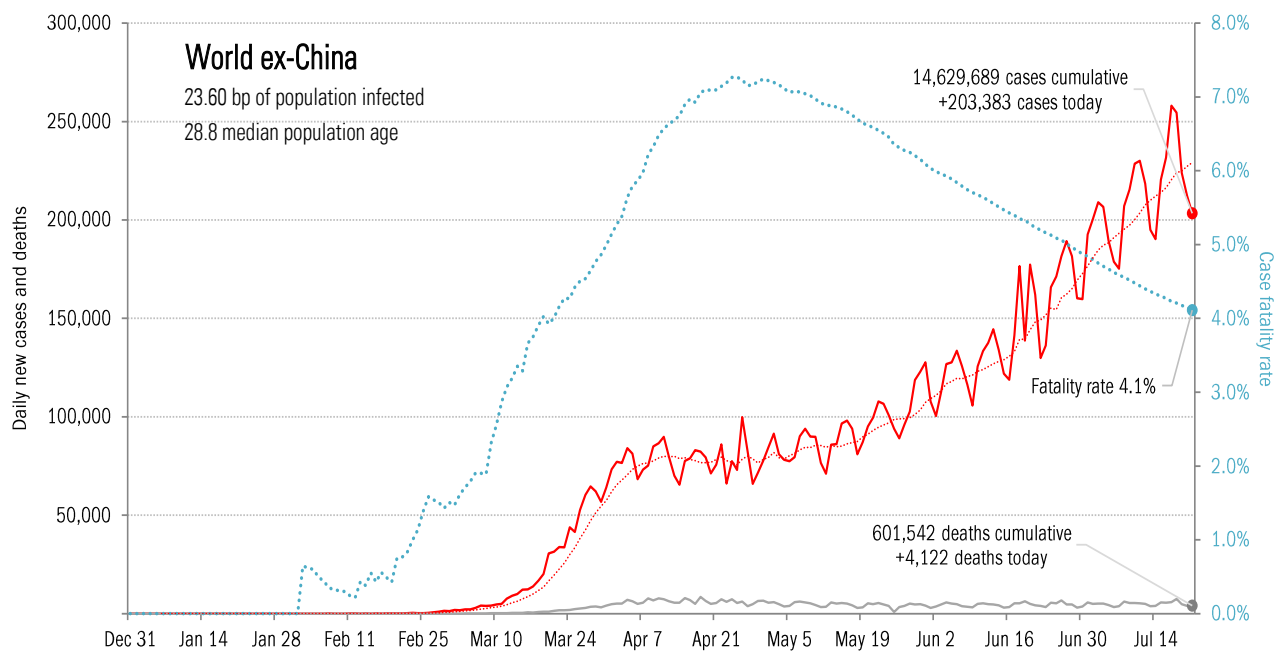
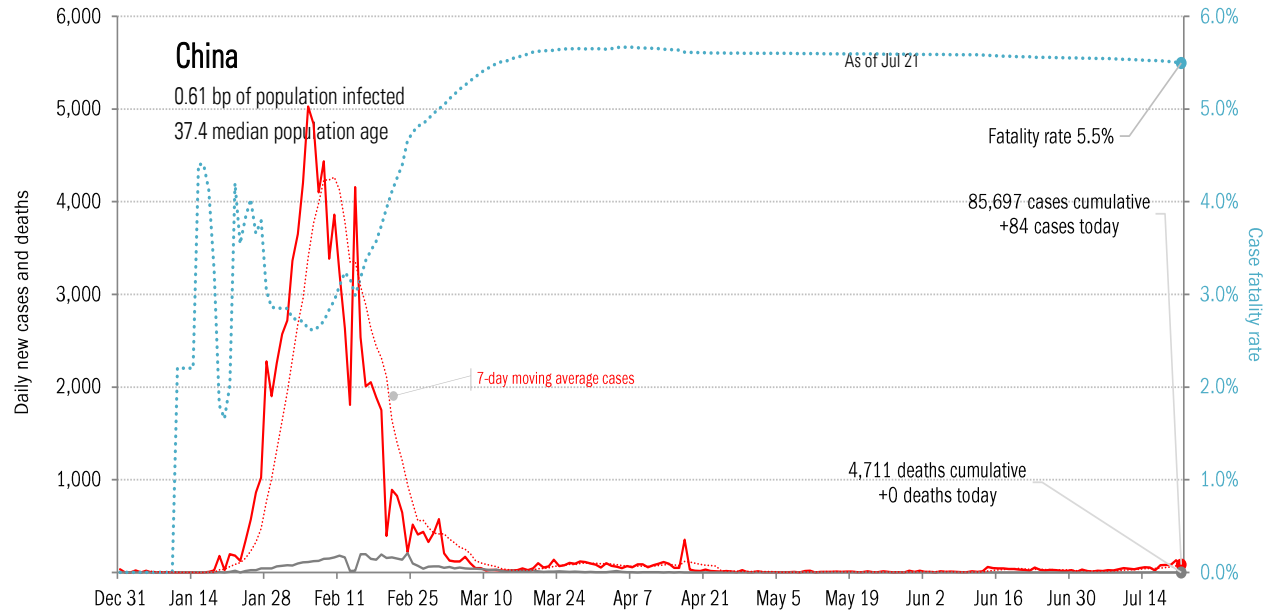
Source: [ECDC](#), TrendMacro calculations

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



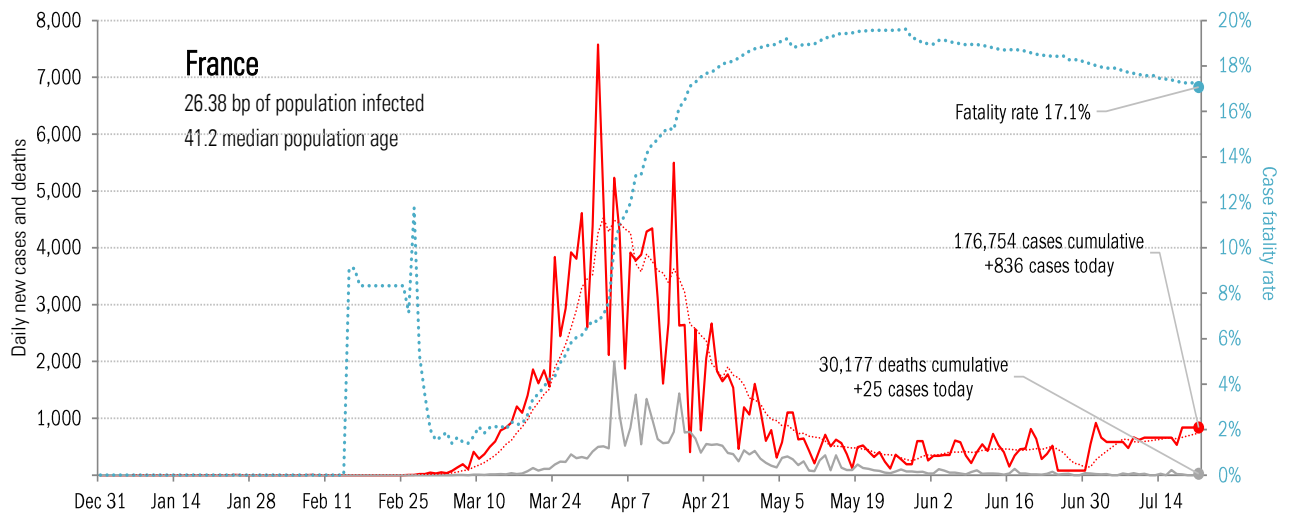
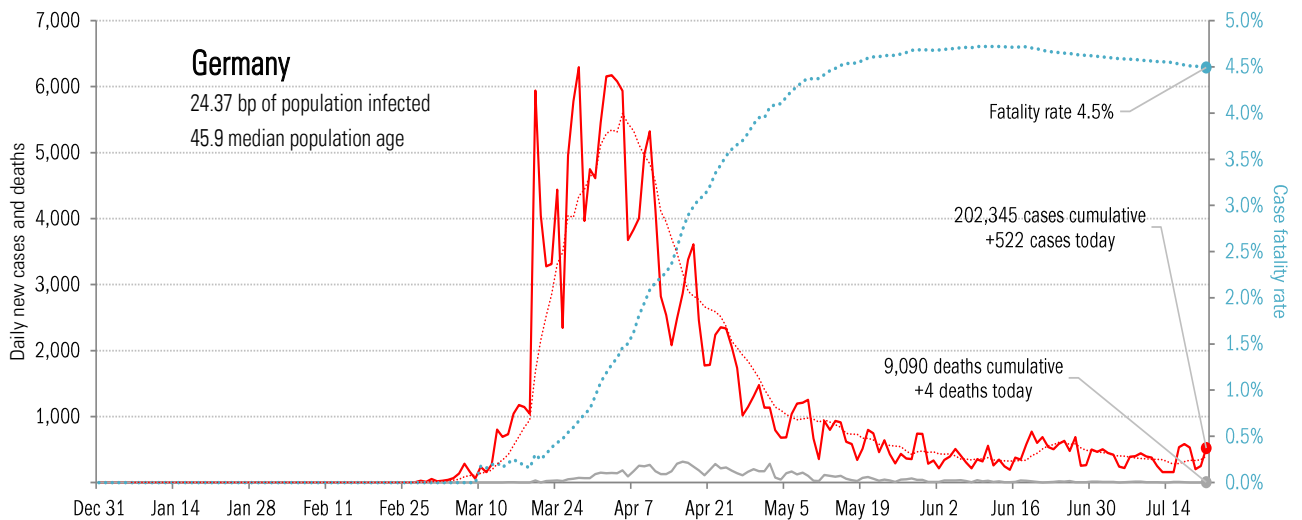
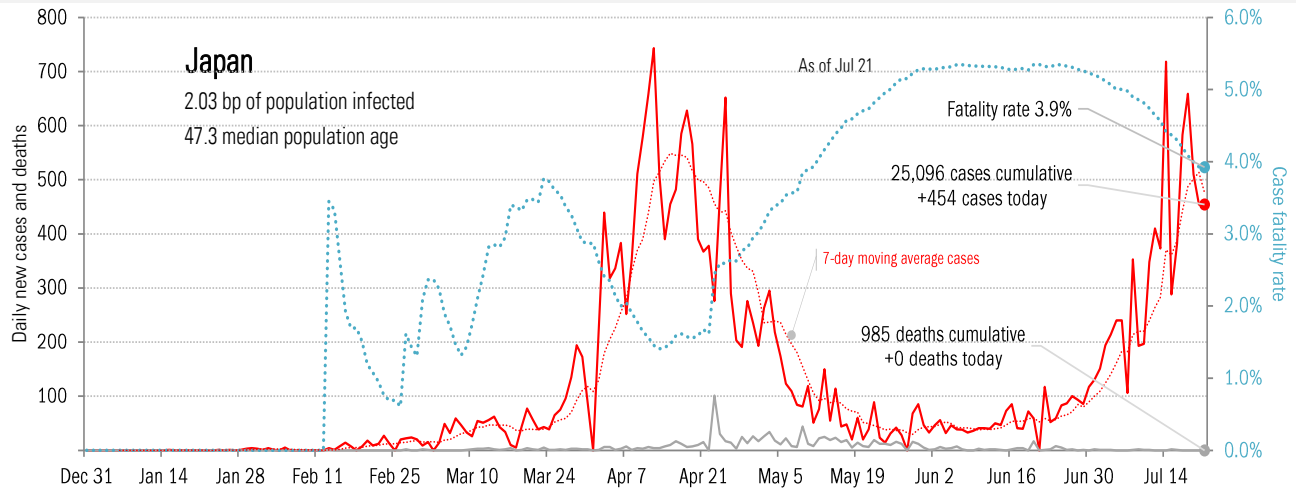
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



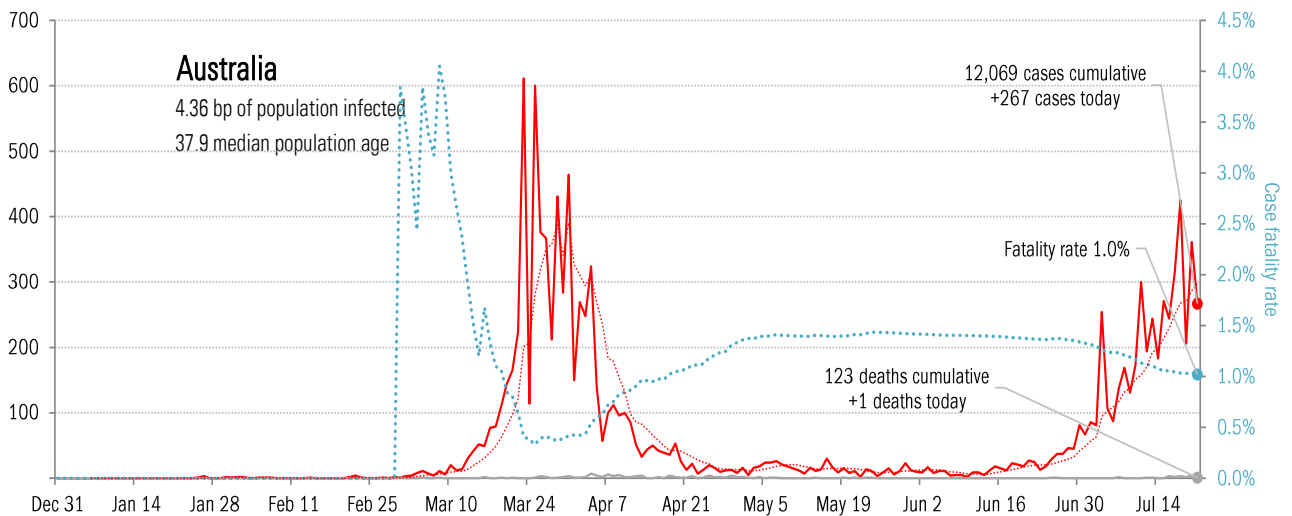
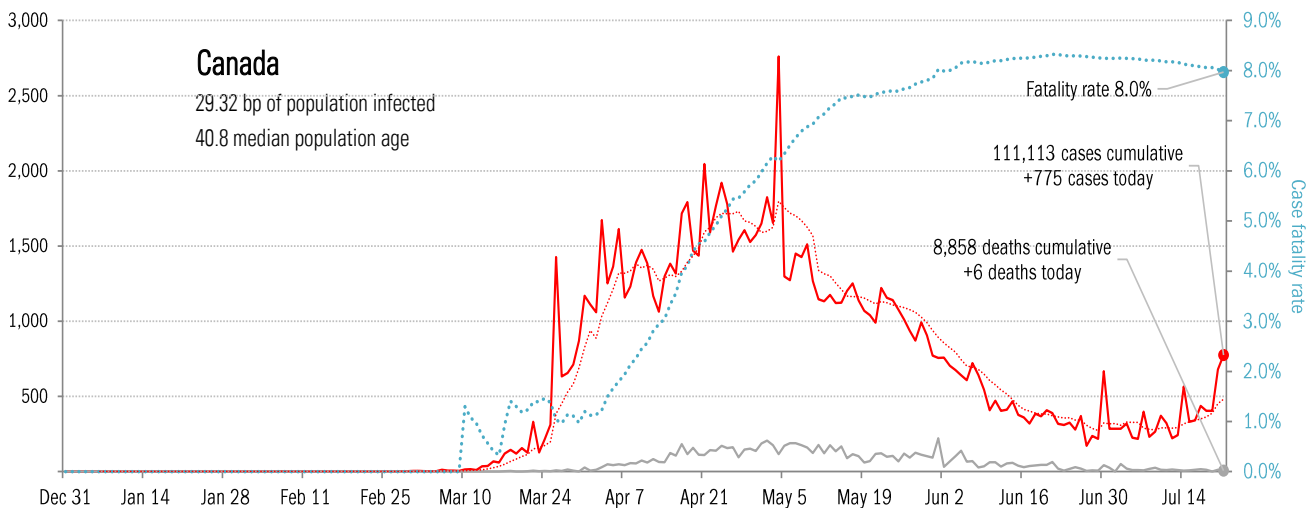
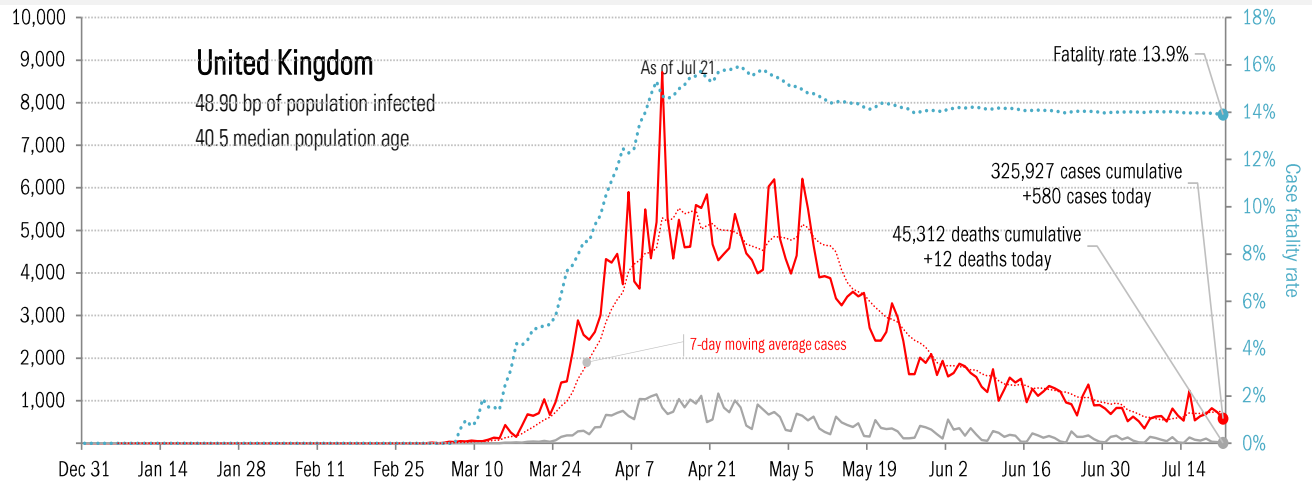
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



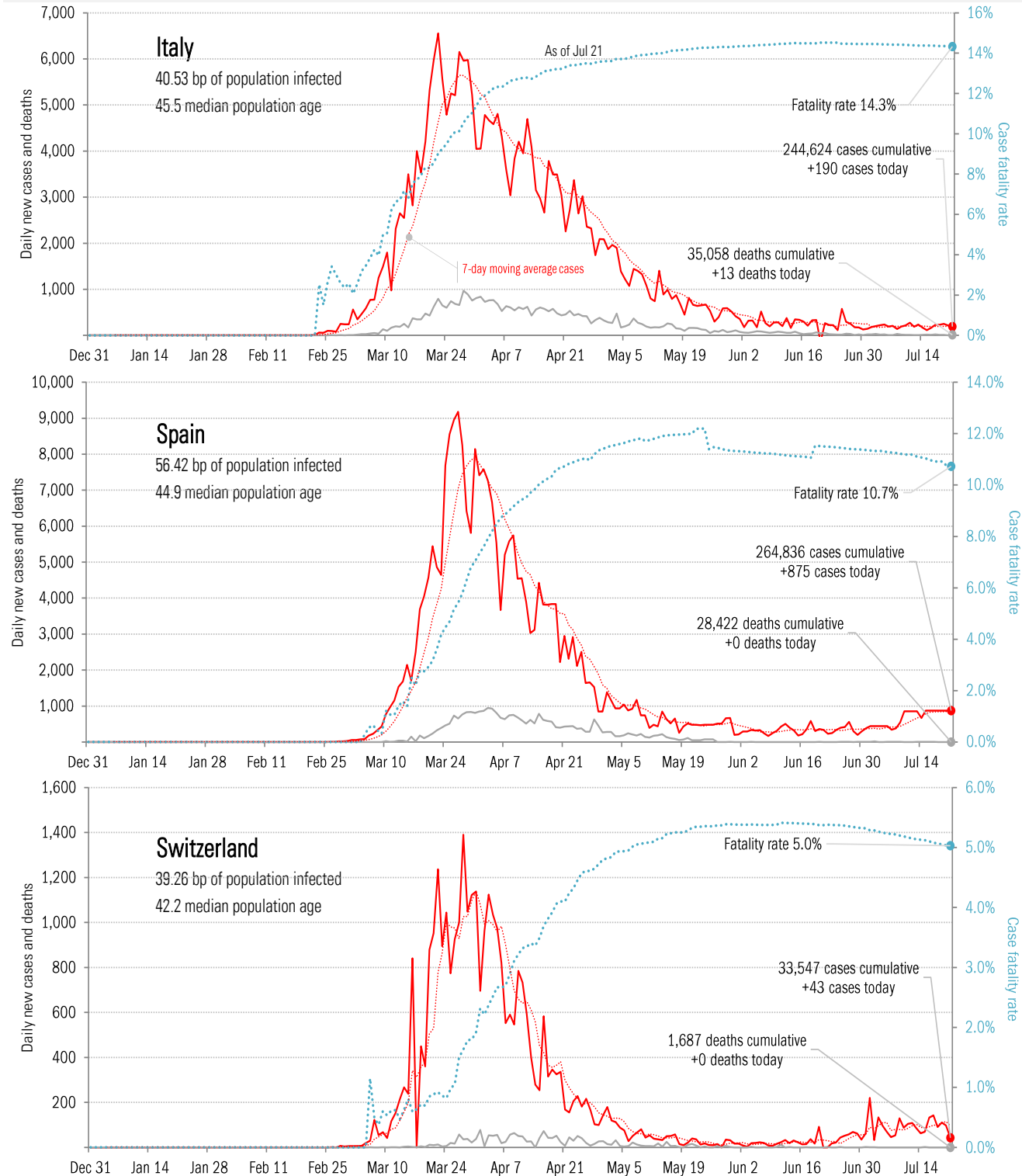
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



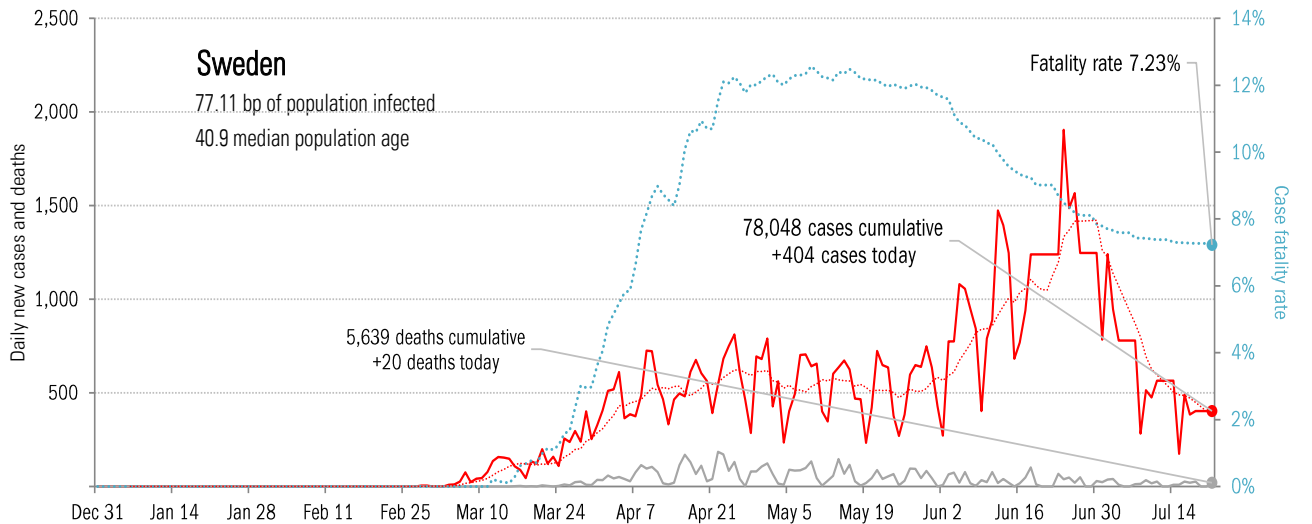
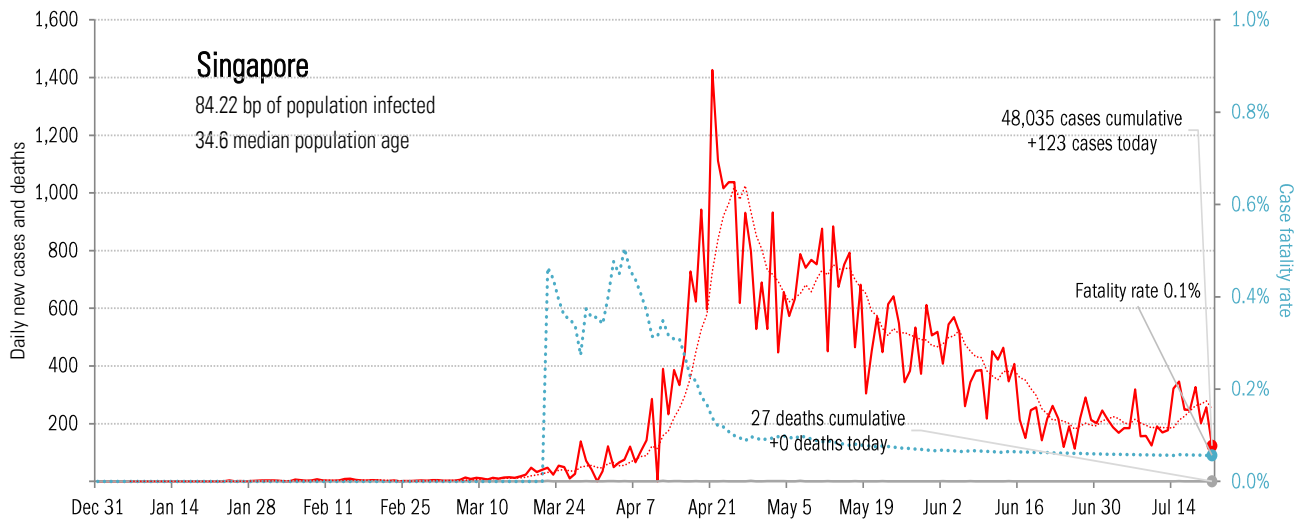
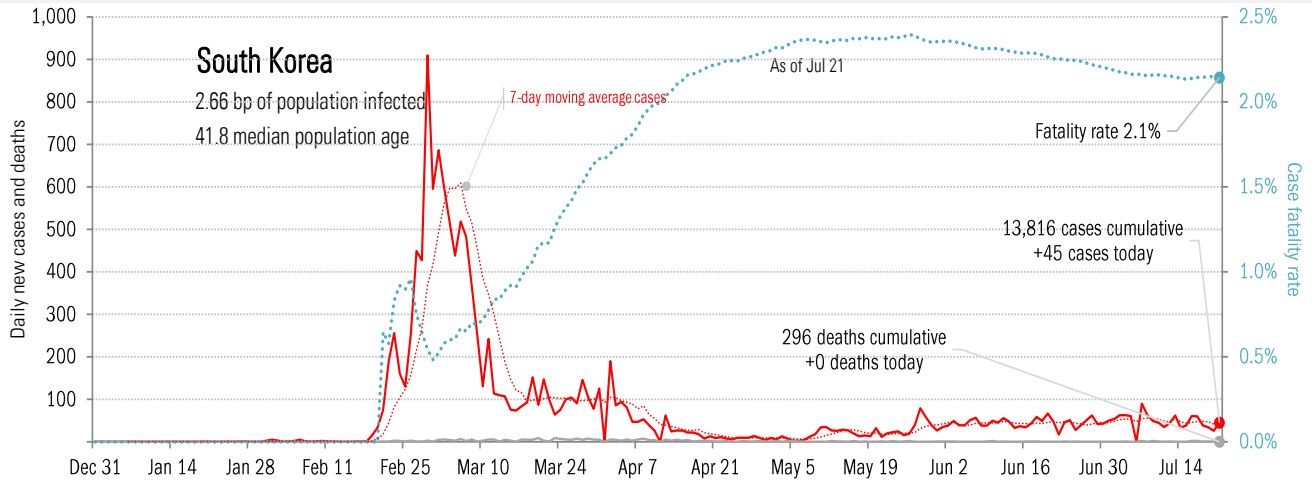
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



Source: [ECDC](#), TrendMacro calculations

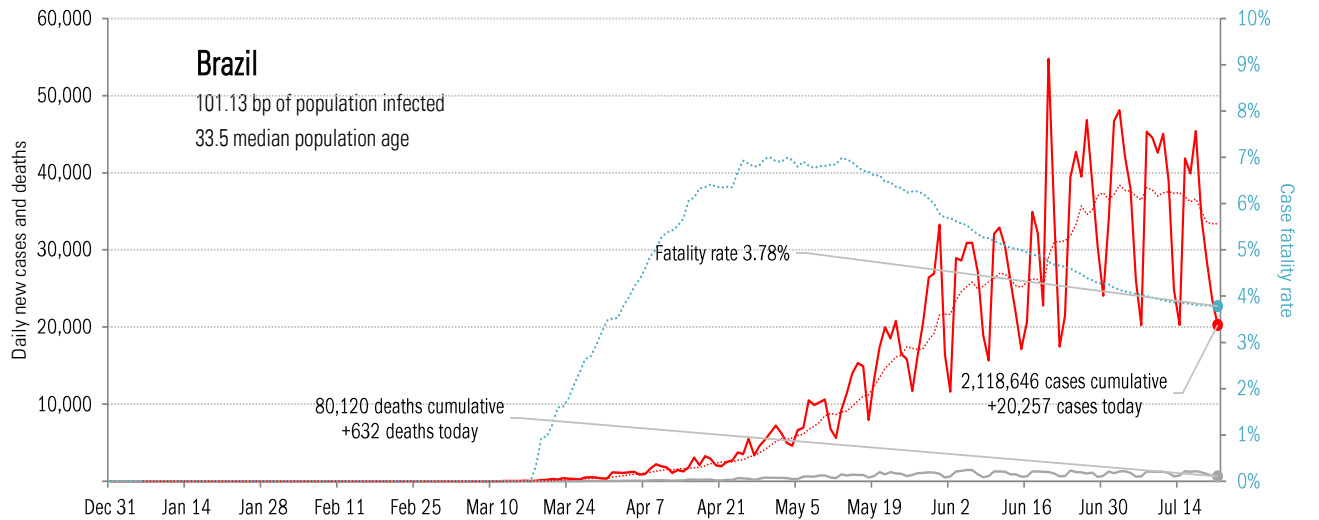
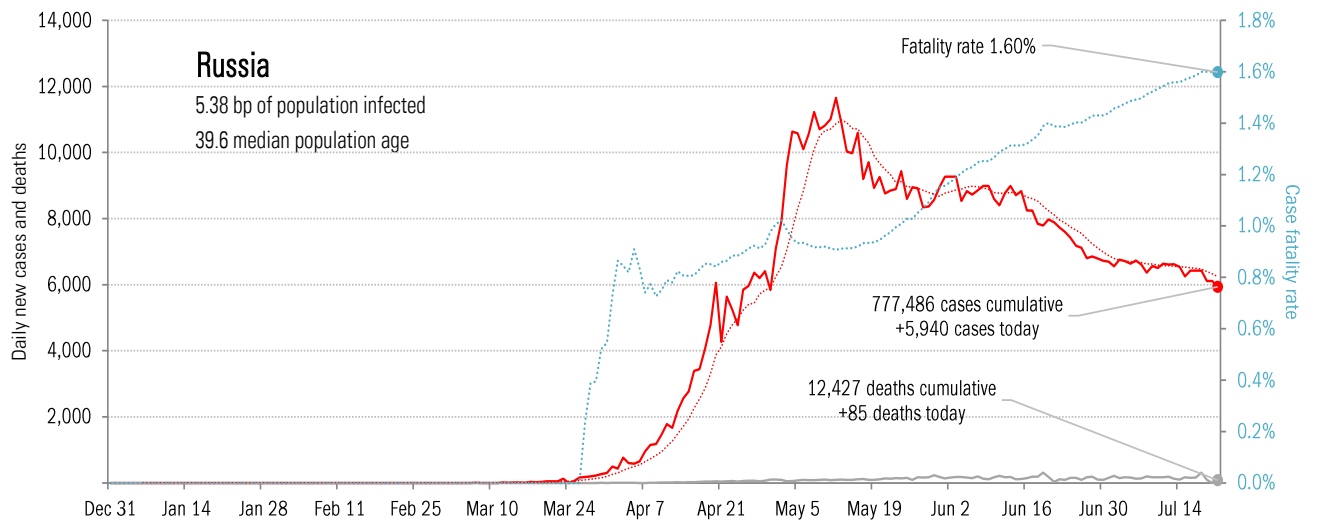
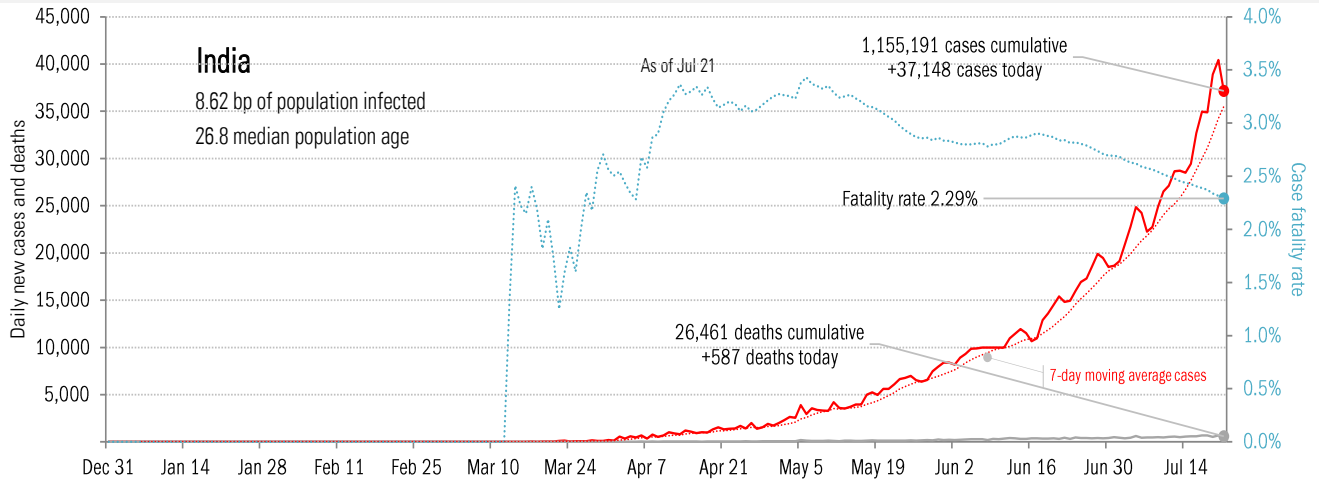
# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

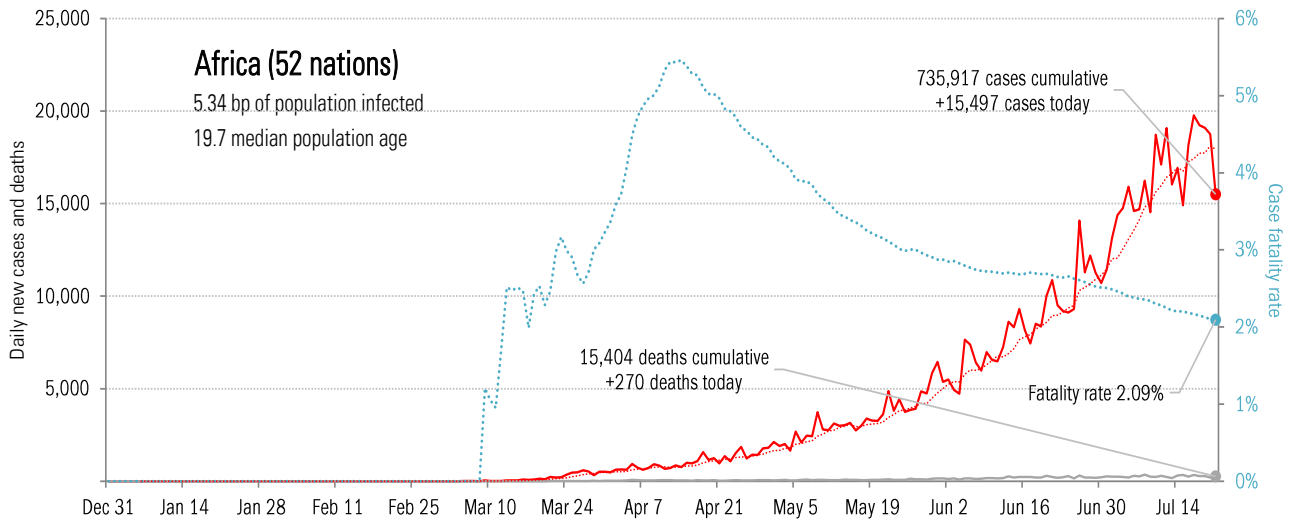
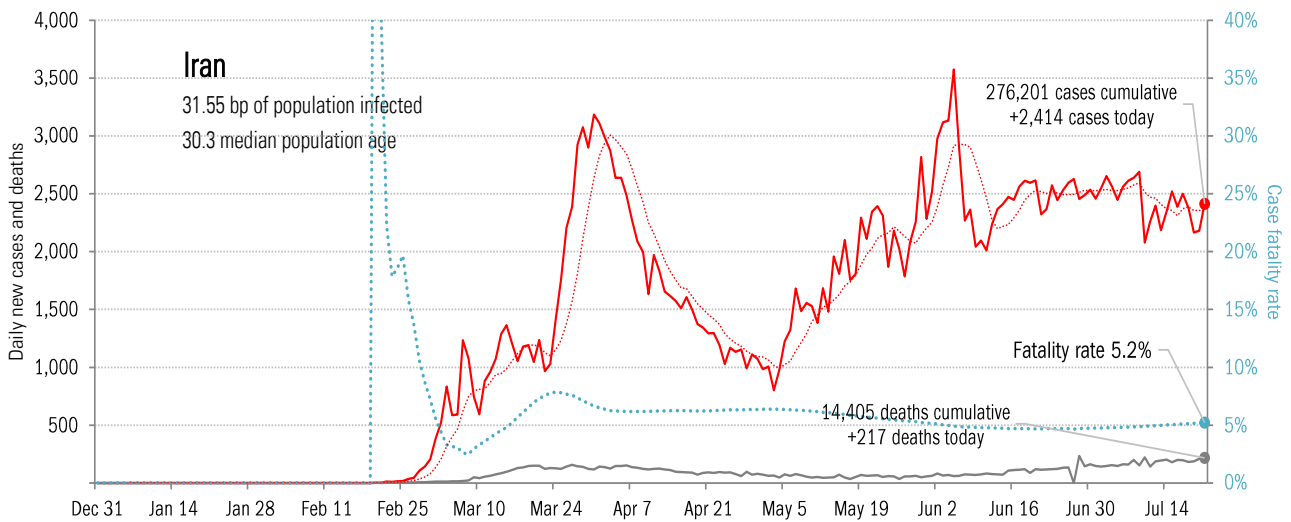
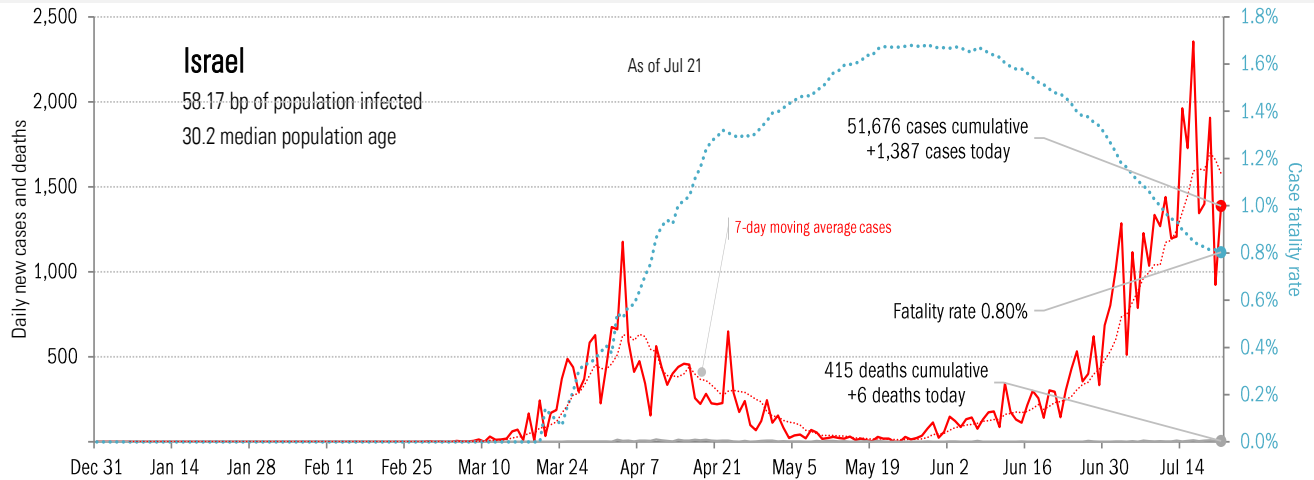


# Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations