

## Data Insights: Covid-2019 Monitor

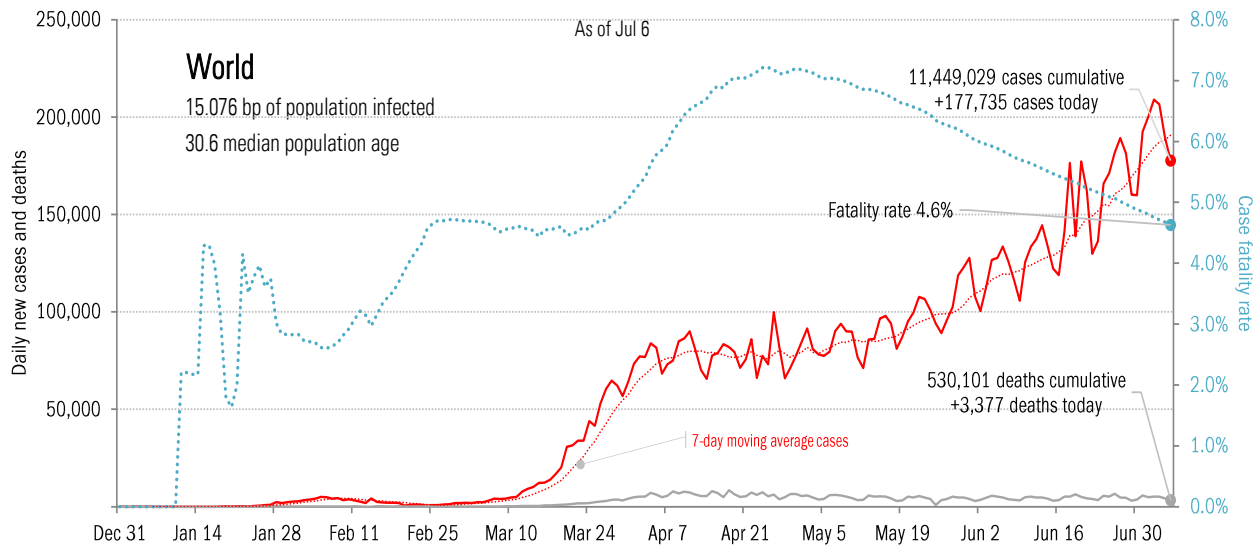
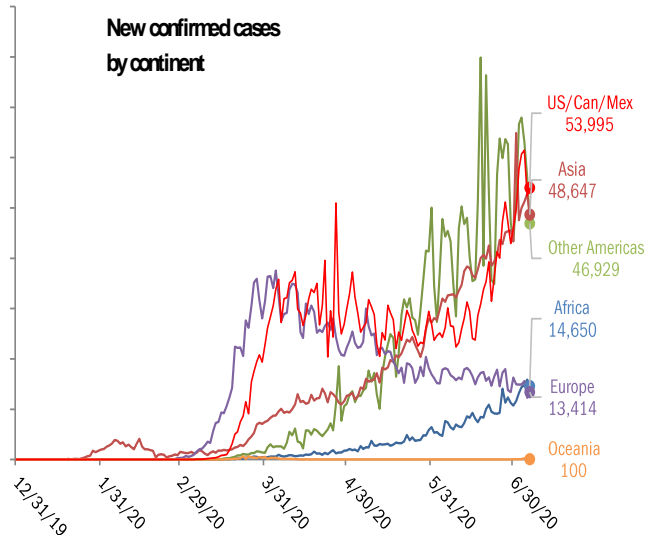
Monday, July 6, 2020

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
US	+49,093	Brazil	+602
Brazil	+26,051	India	+425
India	+24,248	Mexico	+273
South_Africa	+8,773	US	+271
Russia	+6,736	Peru	+177
Mexico	+4,683	South_Africa	+173
Colombia	+3,721	Iran	+163
Chile	+3,685	Russia	+134
Peru	+3,638	Colombia	+122
Saudi	+3,580	Chile	+116
<b>+134,208</b>		<b>+2,456</b>	
World	+177,735	World	+3,377
Top ten	76%	Top ten	73%

#### New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

#### For more information contact us:

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# The US scorecard

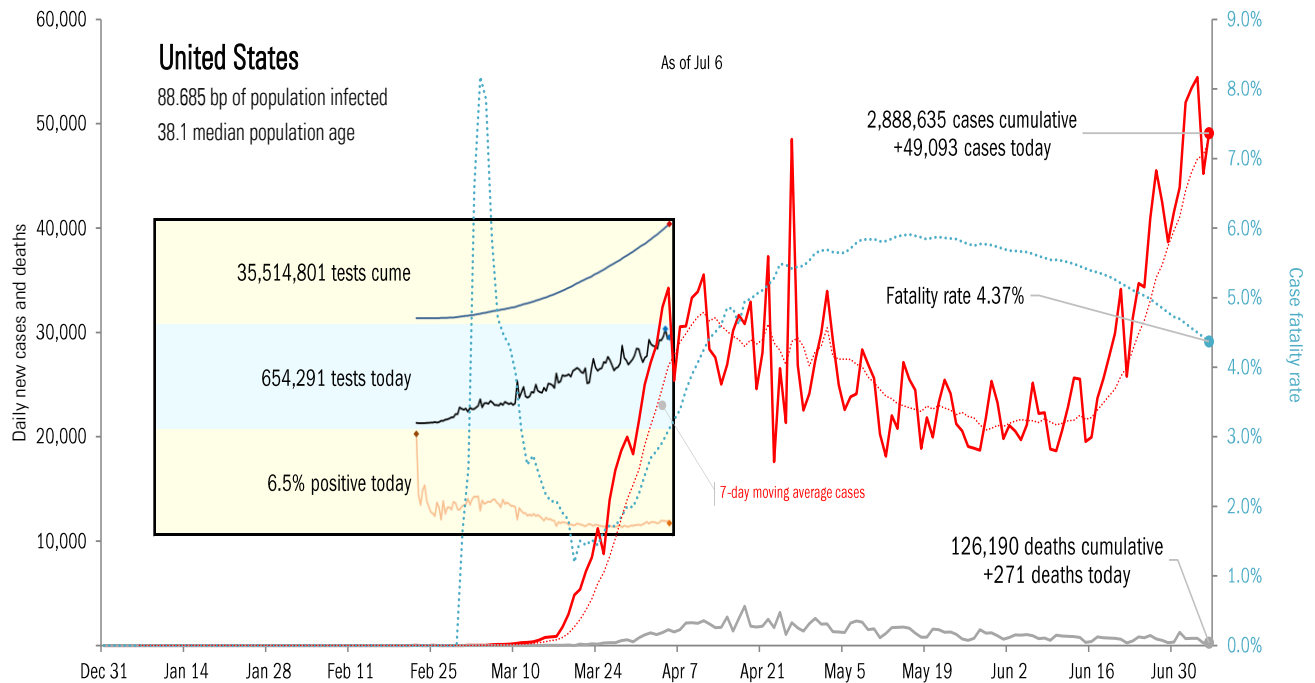
National and state-by-state data do not line up because of different sources

## The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
FL	+10,059	FL	+29	FL	+161	NY	397,131	NY	24,904	NY	89,995
CA	+5,410	TX	+29	AZ	+93	CA	260,155	NJ	15,211	NJ	20,237
AZ	+3,536	NJ	+22	CH	+61	FL	200,111	MA	8,183	FL	16,201
TX	+3,449	CA	+18	IN	+38	TX	195,239	IL	7,230	GA	11,775
GA	+2,197	MA	+11	MD	+37	NJ	173,402	PA	6,753	MA	11,463
LA	+1,937	LA	+10	GA	+32	IL	148,373	CA	6,331	MD	11,071
SC	+1,461	TN	+9	MN	+31	MA	109,974	MI	6,218	CT	10,411
NC	+1,329	NY	+8	VA	+27	AZ	98,089	CT	4,335	VA	9,576
TN	+1,291	MD	+7	NM	+18	GA	95,516	FL	3,832	CH	8,172
AL	+1,091	SC	+7	UT	+17	PA	89,854	LA	3,288	IN	7,254
<b>+31,760</b>		<b>+150</b>		<b>+515</b>		<b>1,767,844</b>		<b>86,285</b>		<b>196,155</b>	
All states	+42,551	All states	+209	All states	+590	All states	2,881,016	All states	122,673	All states	248,745
Top ten	75%	Top ten	72%	Top ten	87%	Top ten	61%	Top ten	70%	Top ten	79%

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-4,809	CA	-32	FL	-84	MN	+5,270
MS	-1,678	AZ	-13	MS	-60	TX	+3,413
FL	-1,399	SC	-13	GA	-58	CH	+557
CA	-1,100	MA	-12	MD	-24	AZ	+458
GA	-629	MS	-11	TN	-24	WI	+408



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

## Recommended reading

### [Coronavirus pandemic may not have started in China, experts say](#)

Sarah Knapton  
*Sydney Morning Herald* July 6, 2020

### [Immunity to COVID-19 is probably higher than tests have shown](#)

*Karolinska Institutet* June 29, 2020

### [SARS-CoV-2 T-cell epitopes define heterologous and COVID-19-induced T-cell recognition](#)

Annika Nelde et al.  
*Research Square* June 17, 2020

### [Robust T cell immunity in convalescent individuals with asymptomatic or mild COVID-19](#)

Takuya Sekine et al.  
*bioRxiv* June 29, 2020

### [Covid-Like Virus Was Sent to Wuhan in 2013, Sunday Times Says](#)

Thomas Seal  
*Bloomberg* July 5, 2020

### [COVID-19 Herd Immunity Is Much Closer Than Antibody Tests Suggest, Say 2 New Studies](#)

Ronald Bailey  
*Reason* July 1, 2020

### [How You Get Your Berries: Migrant Workers Who Fear Virus, but Toil On](#)

Tracey Tully  
*New York Times* July 5, 2020

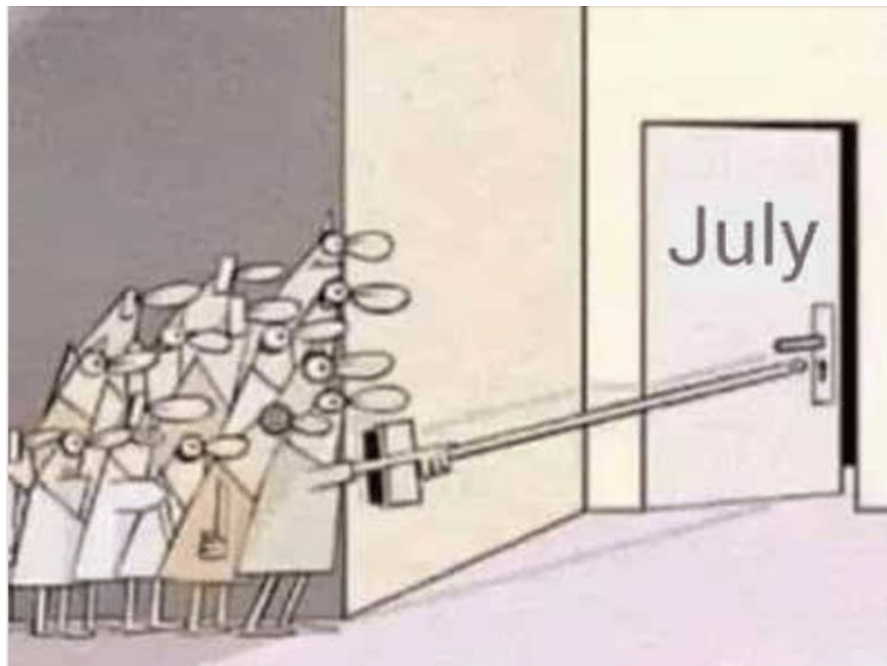
### [Scalia Says Coronavirus Economic Recovery Better Than Projected](#)

Elizabeth Dexheimer  
*Bloomberg* July 5, 2020

### [Revealed: Seven year coronavirus trail from mine deaths to a Wuhan lab](#)

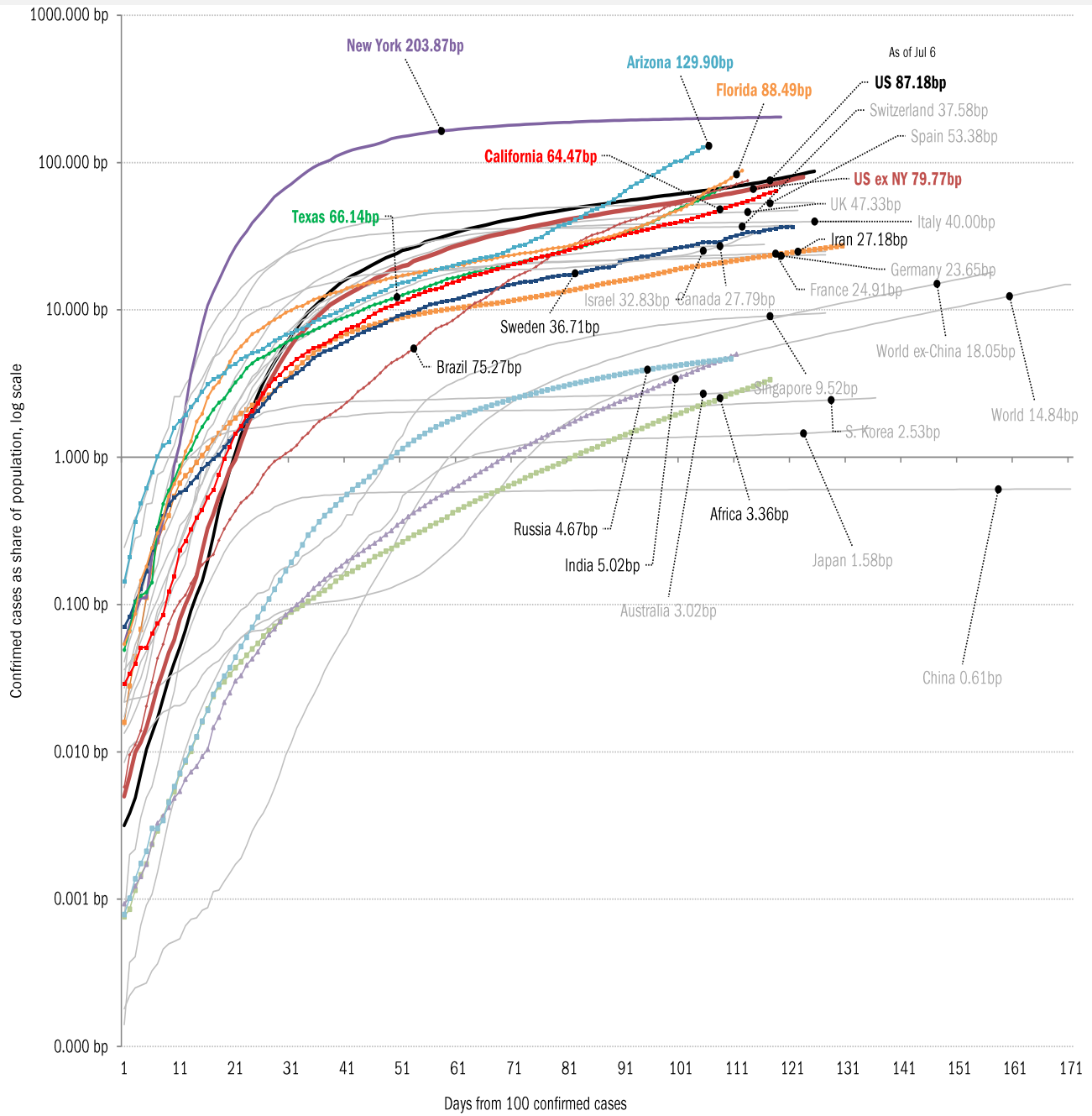
George Arbuthnott , Jonathan Calvert and Philip Sherwell  
*Sunday Times* July 4, 2020

## Meme of the day



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

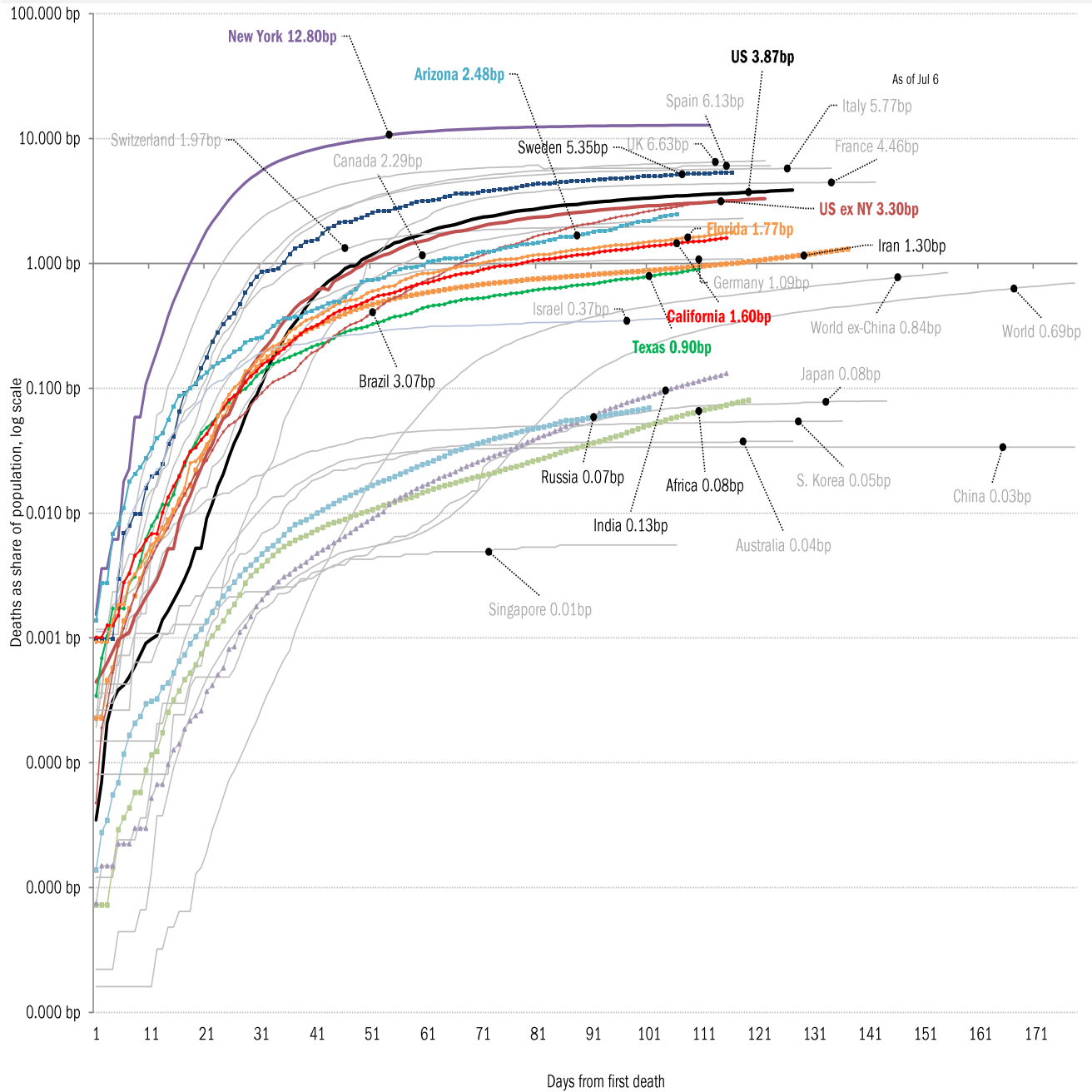
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [ECDC](#), TrendMacro calculations

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

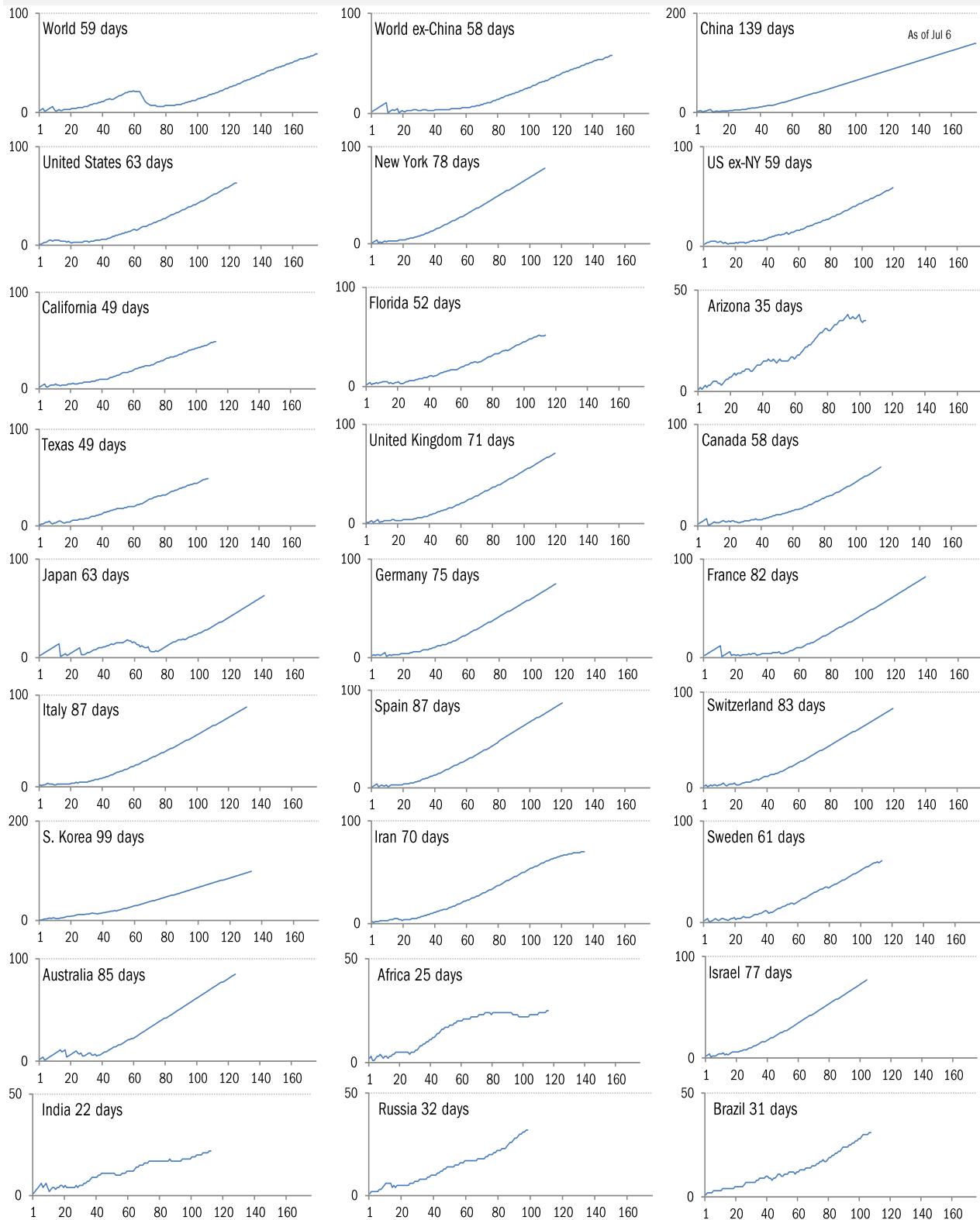
## Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

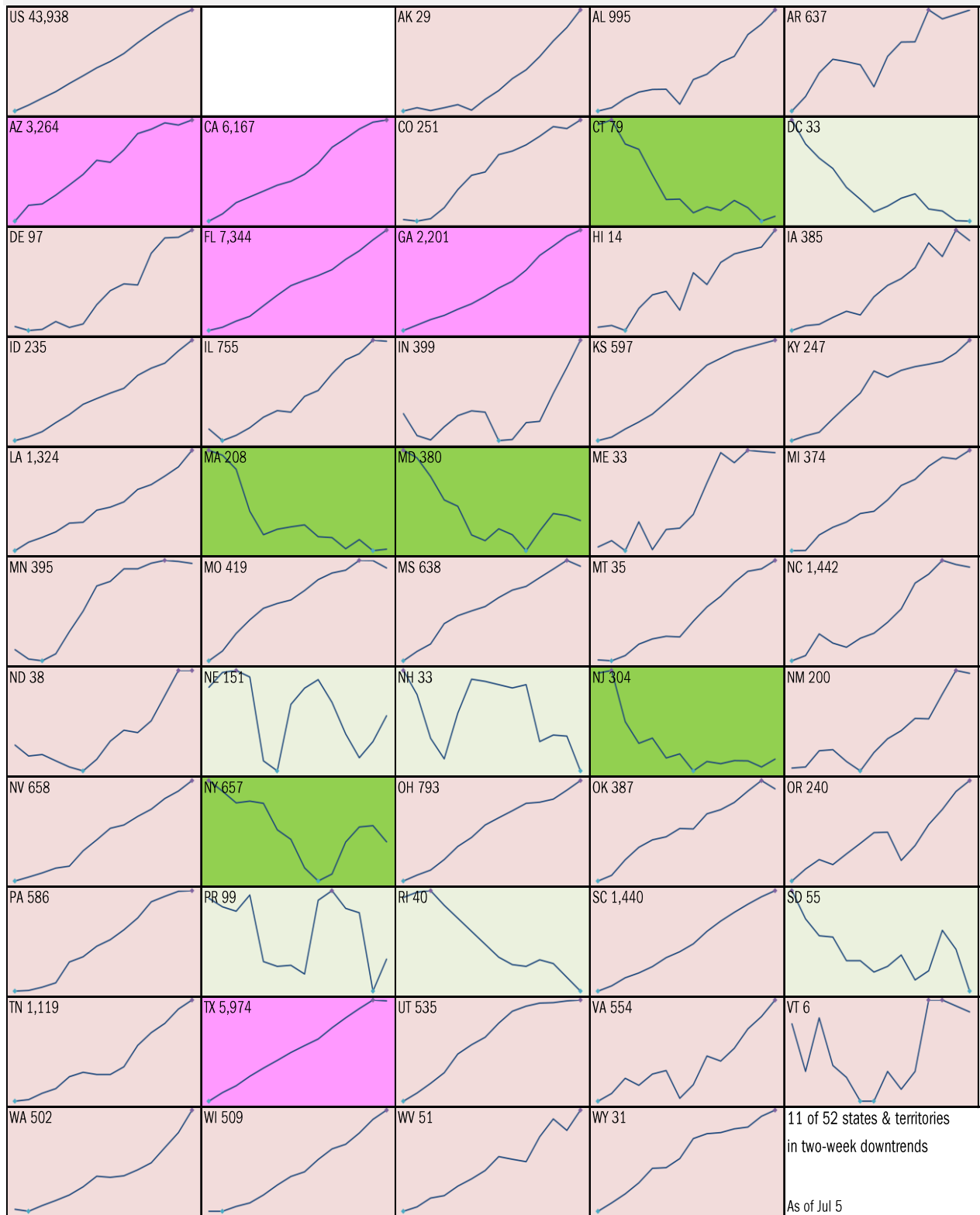
# Our most reliable evidence of slowing exponential growth of Covid-2019

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

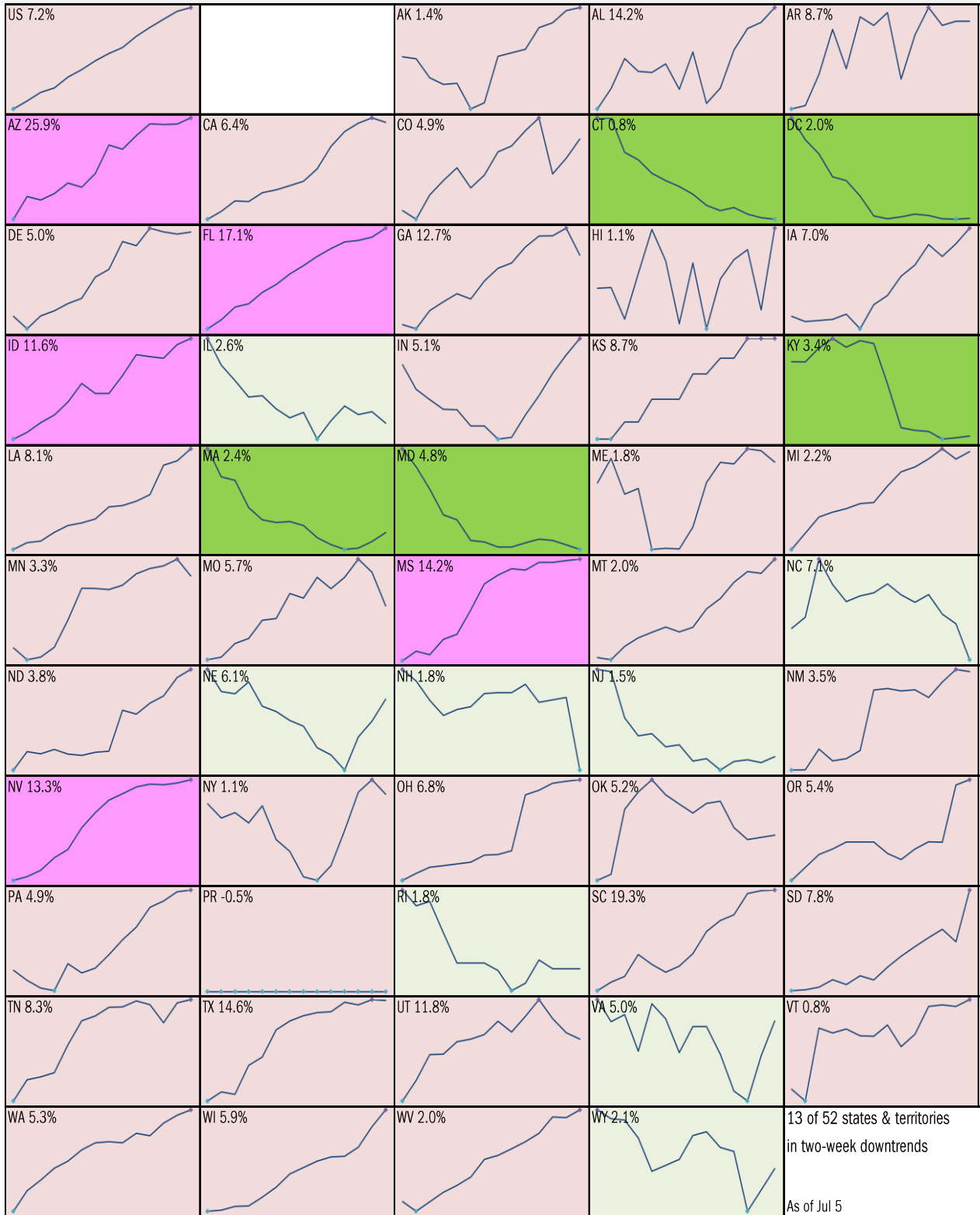


Source: [Covid Tracking Project](#), TrendMacro calculations

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

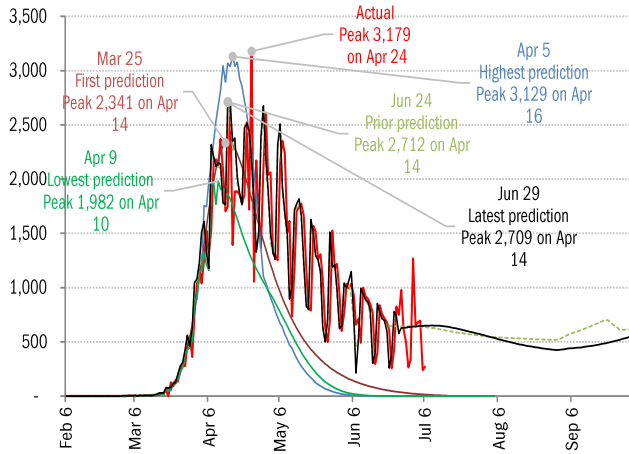


# Reality-checking the models: actuals versus [IHME](#) predictions

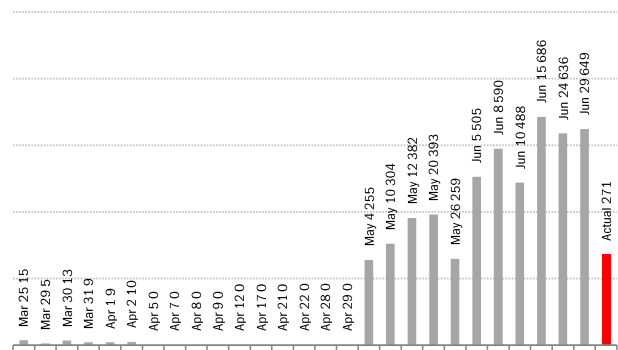
## New daily fatalities

As of Jul 6

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

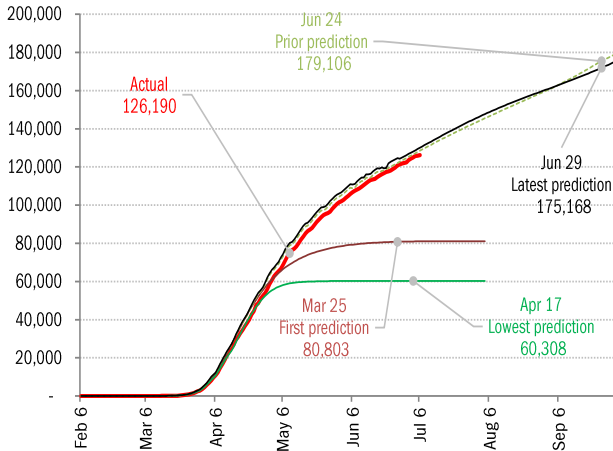


For this day, versus all model mean predictions

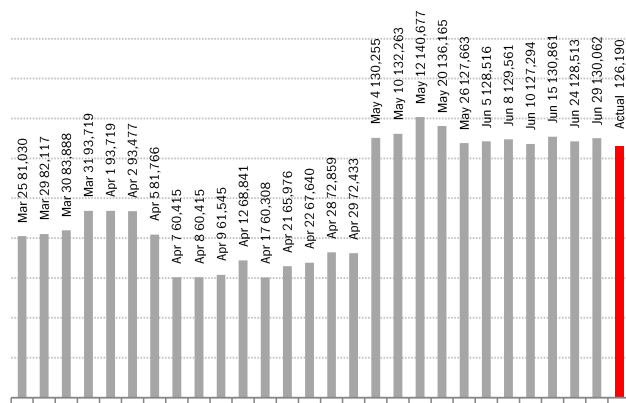


## Cumulative fatalities

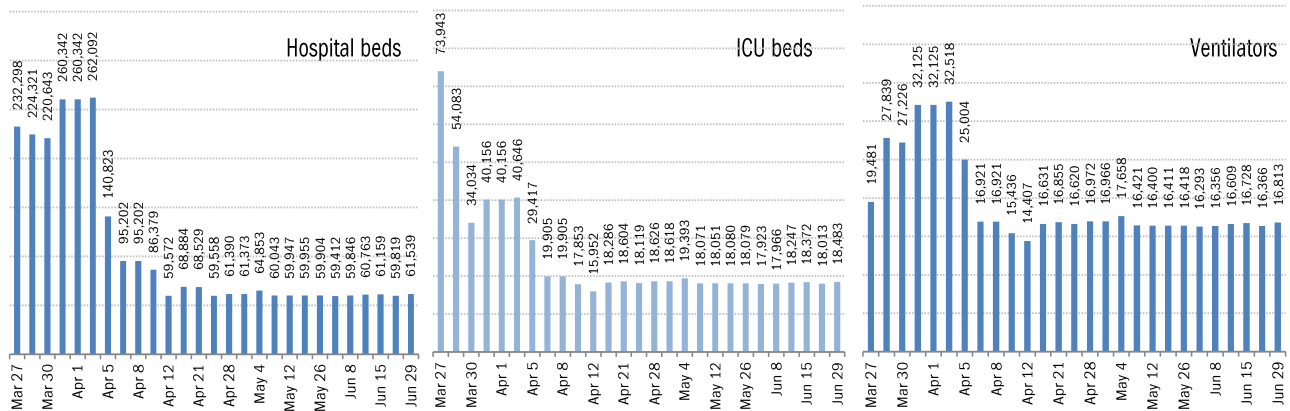
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

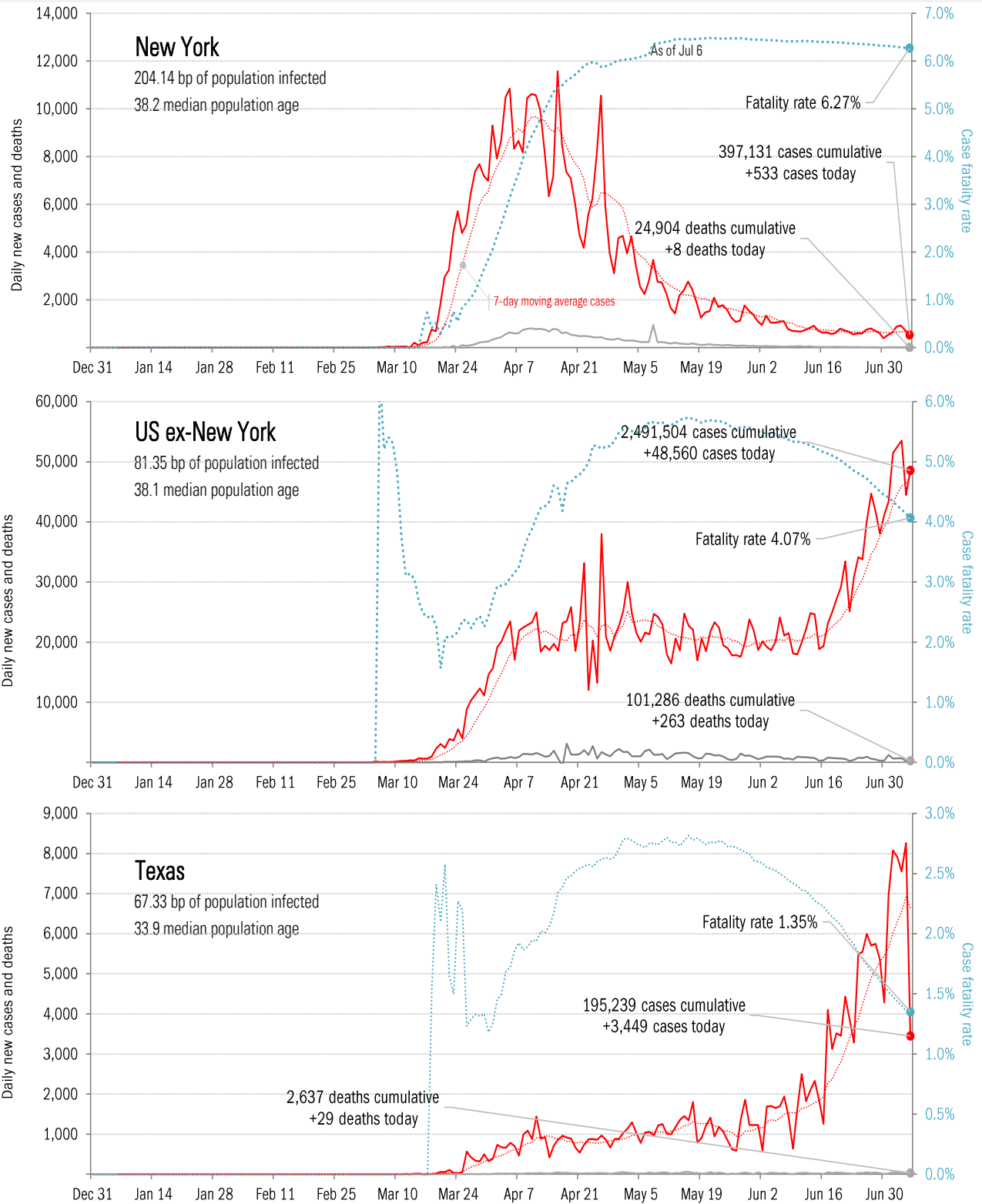


## Healthcare system stress, peak estimated at each model revision



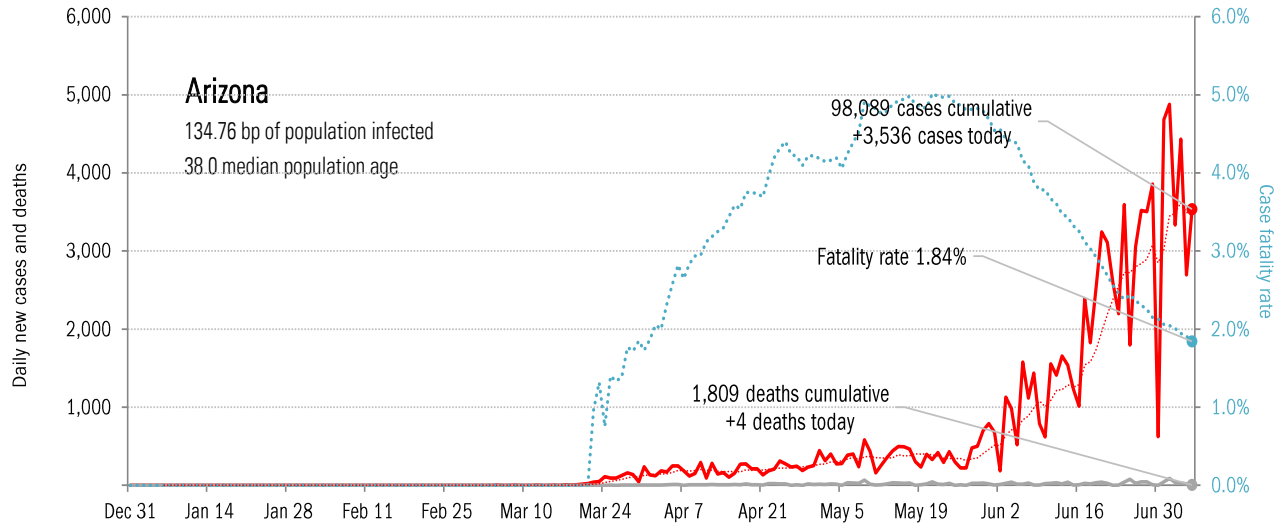
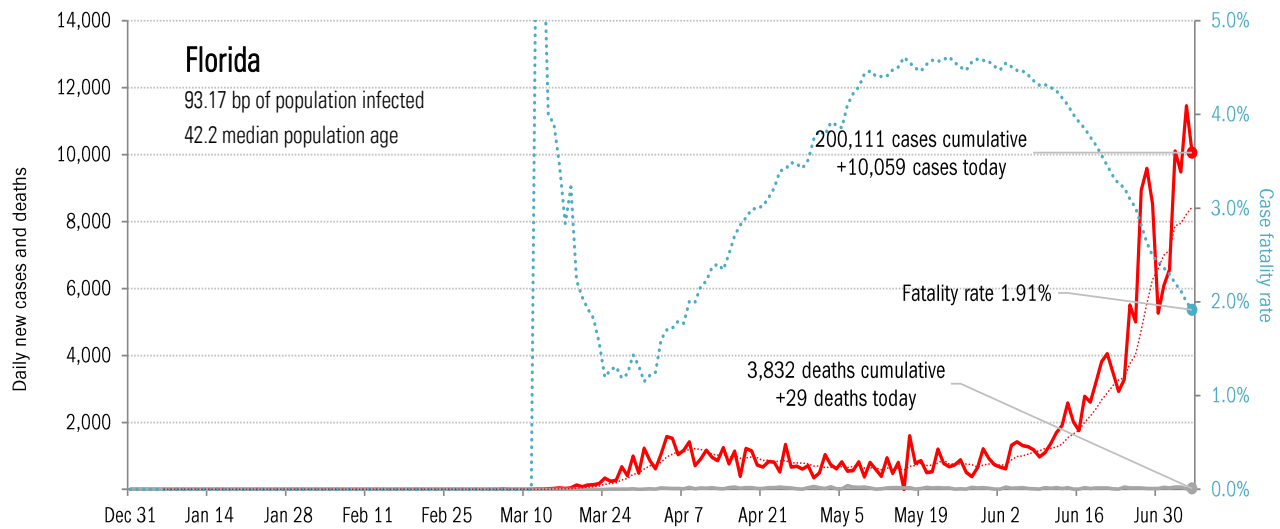
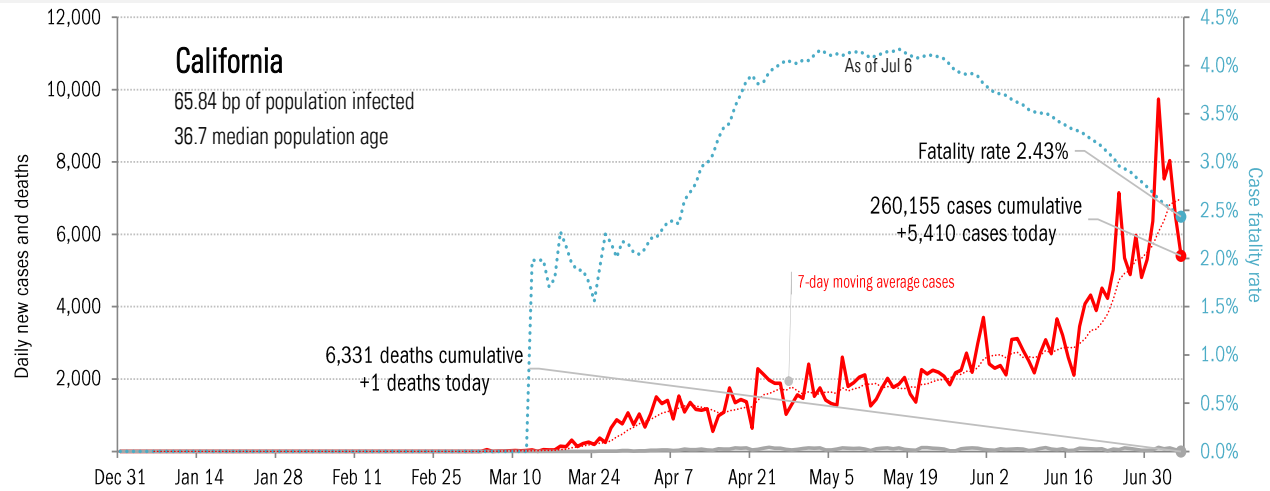
Source: [ECDC](#), [IHME](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



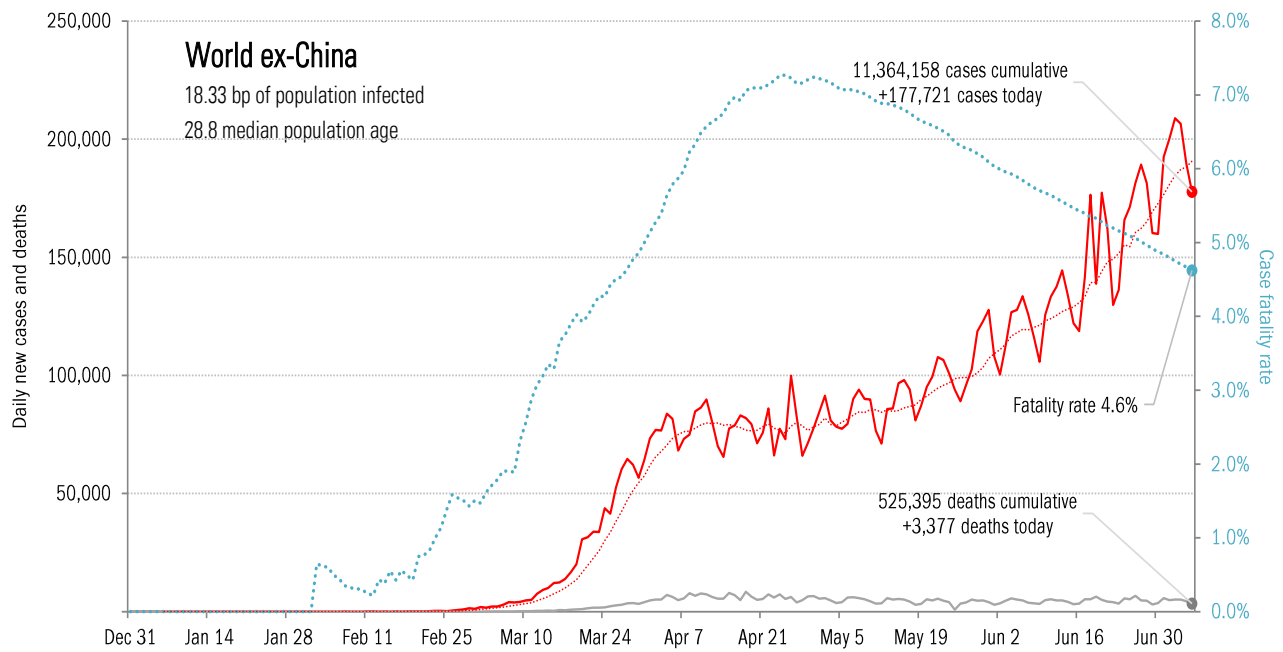
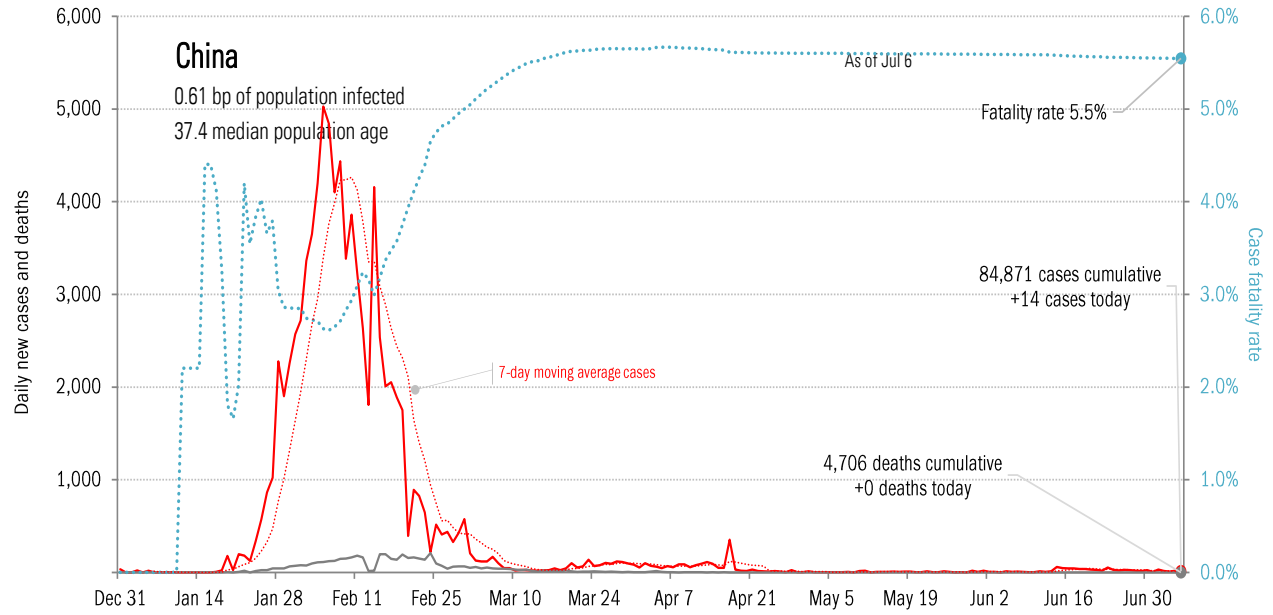
Source: [ECDC](#), TrendMacro calculations

# The "second wave" states (other than Texas)



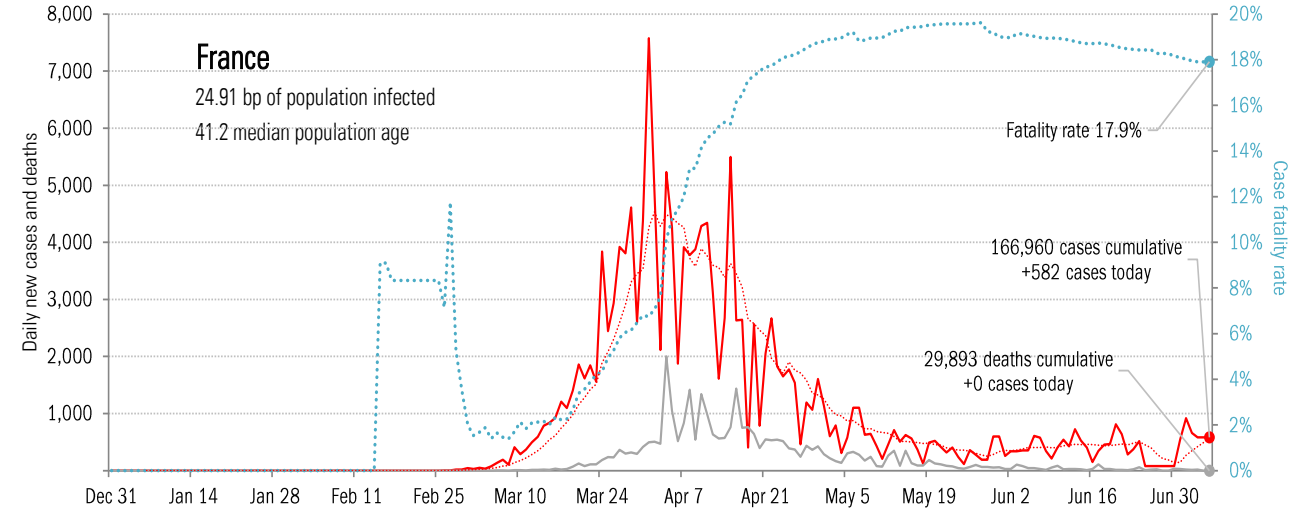
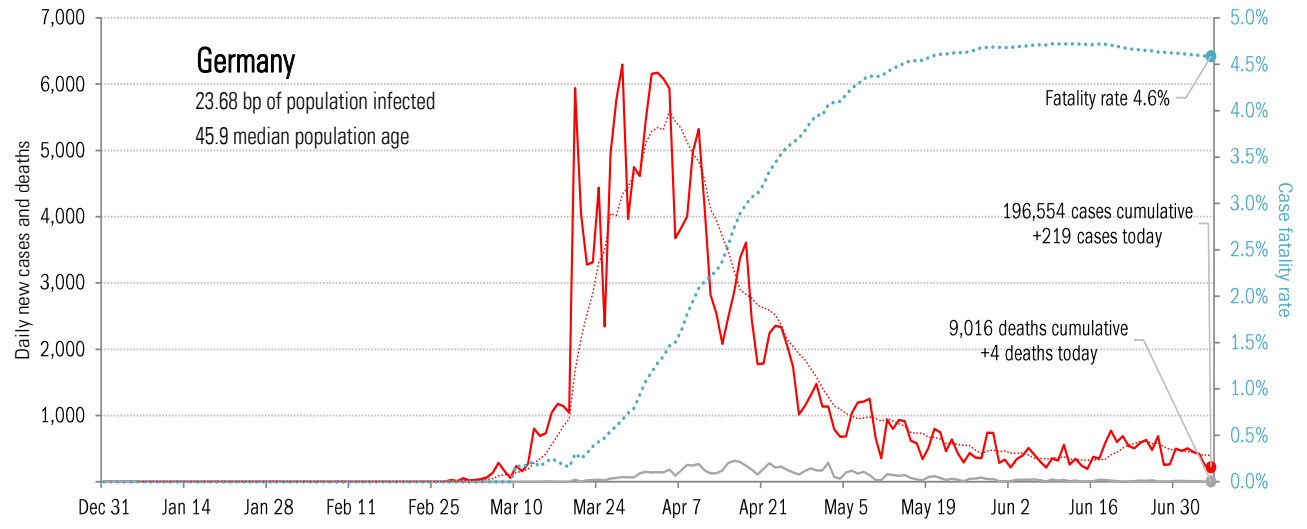
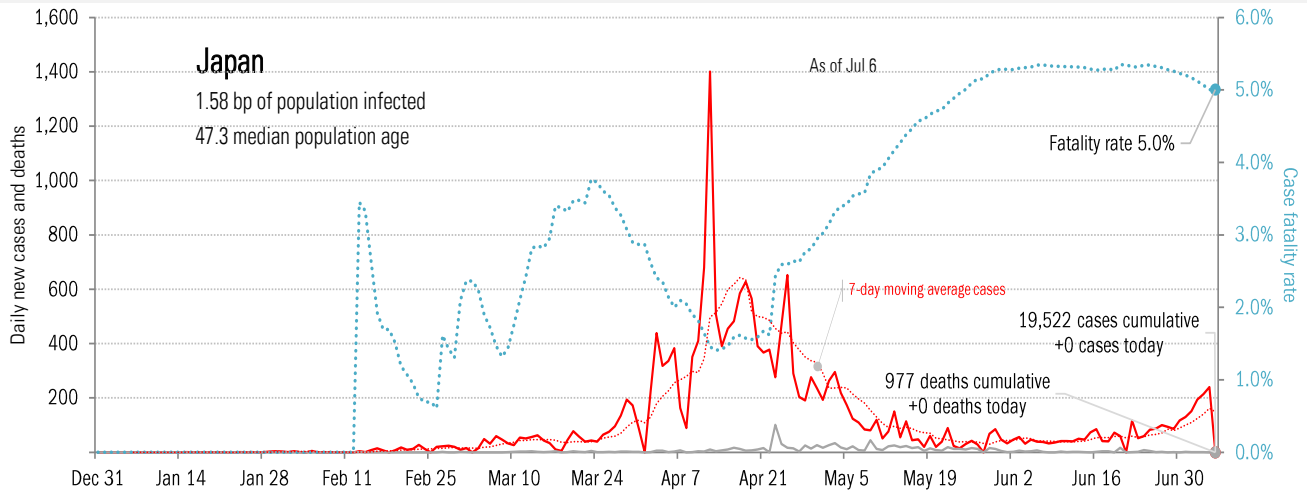
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



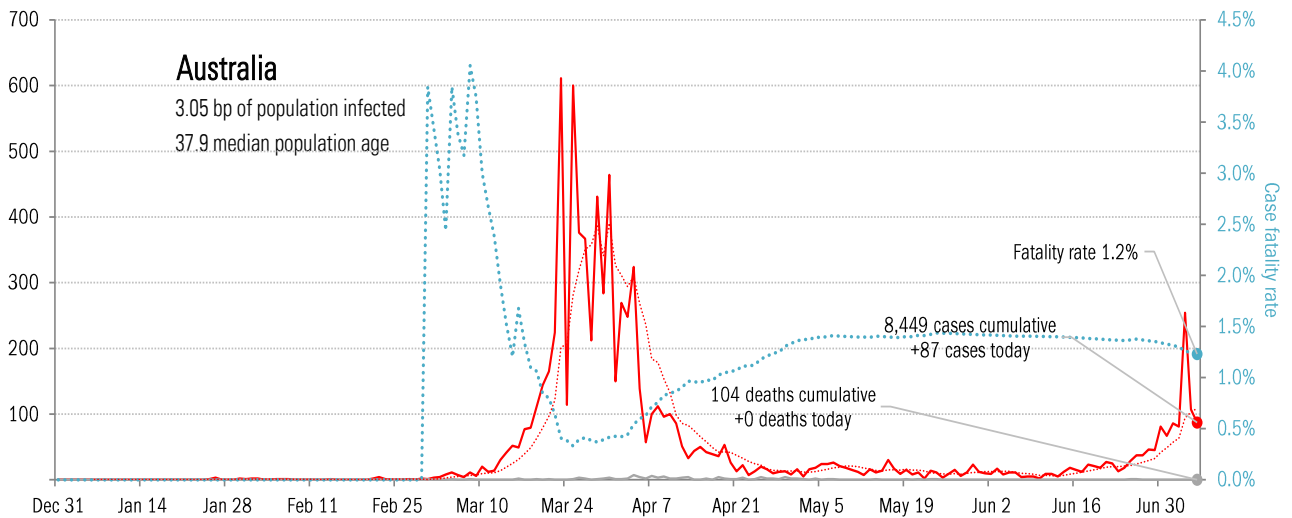
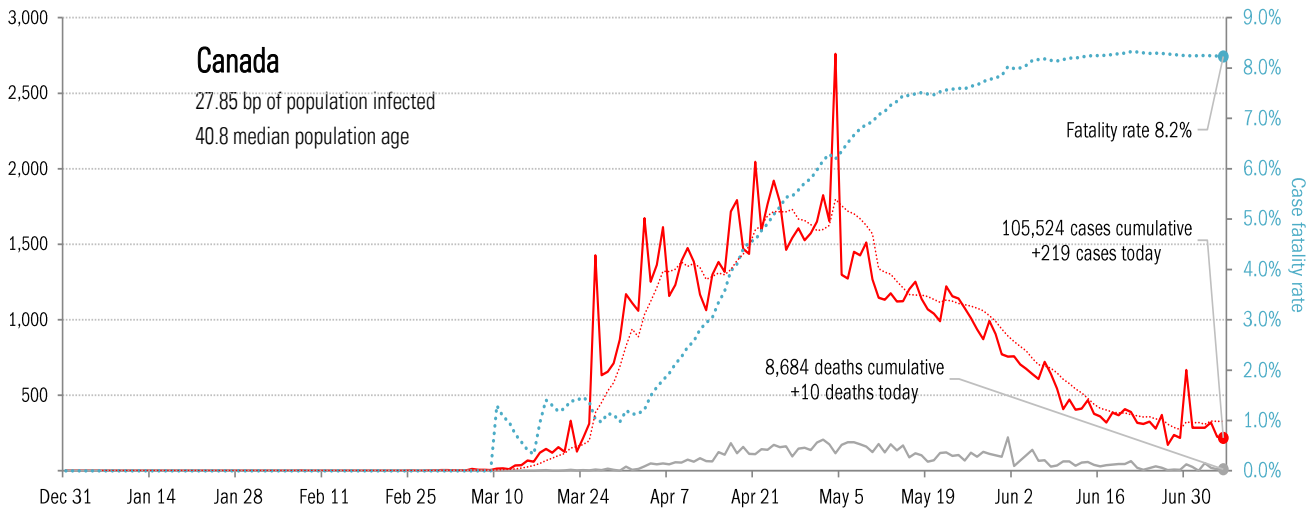
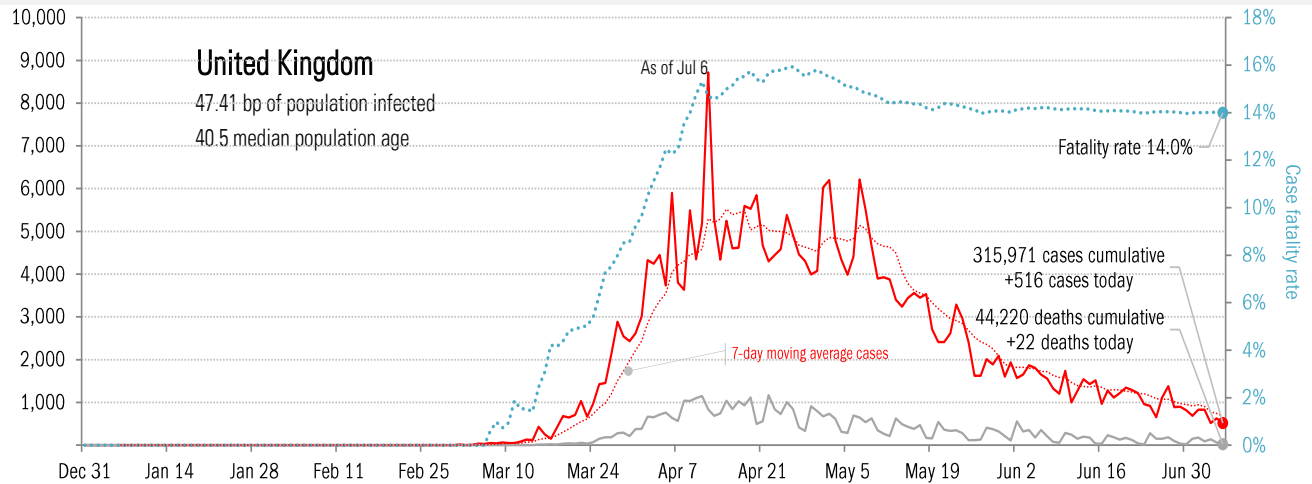
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



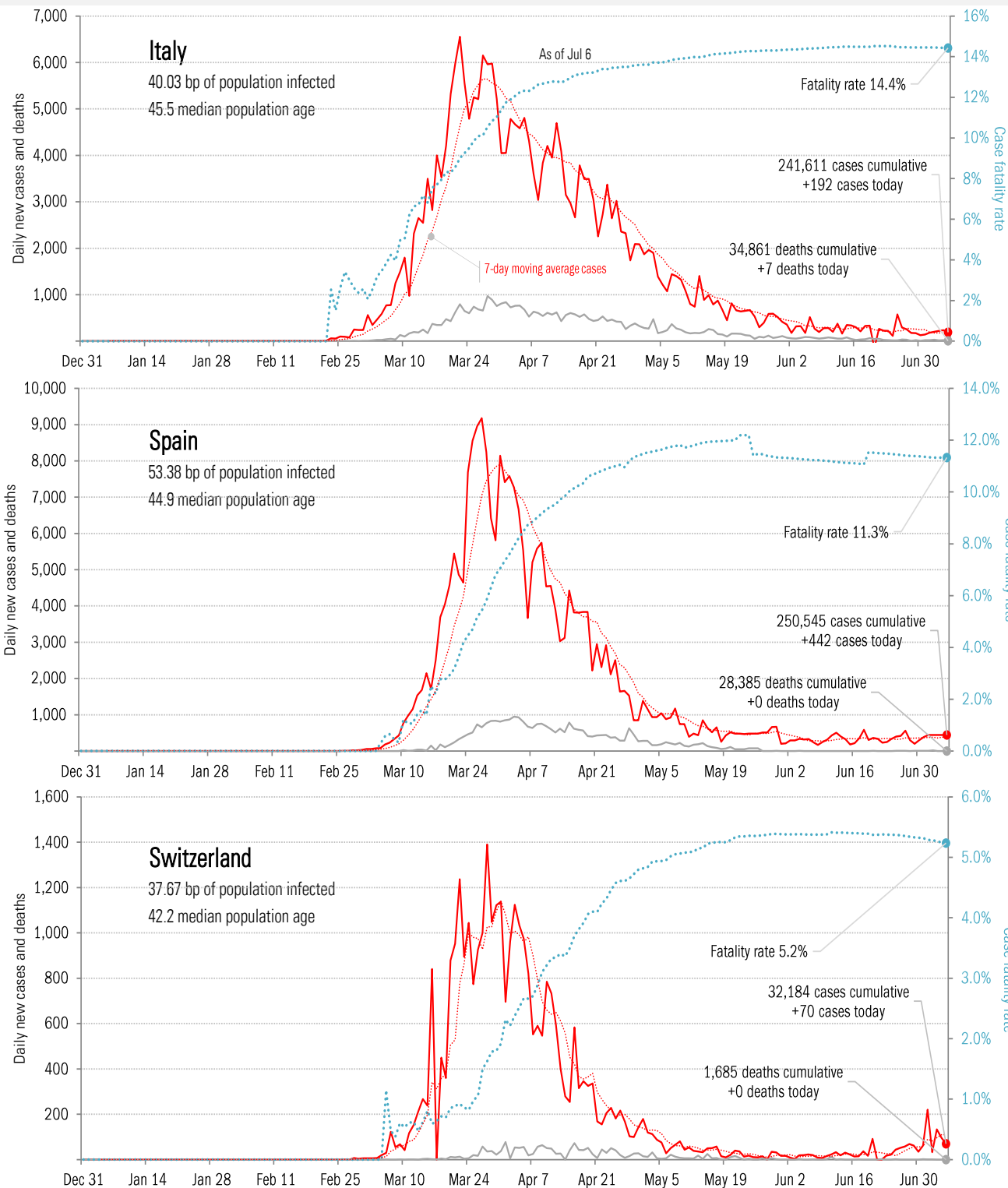
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



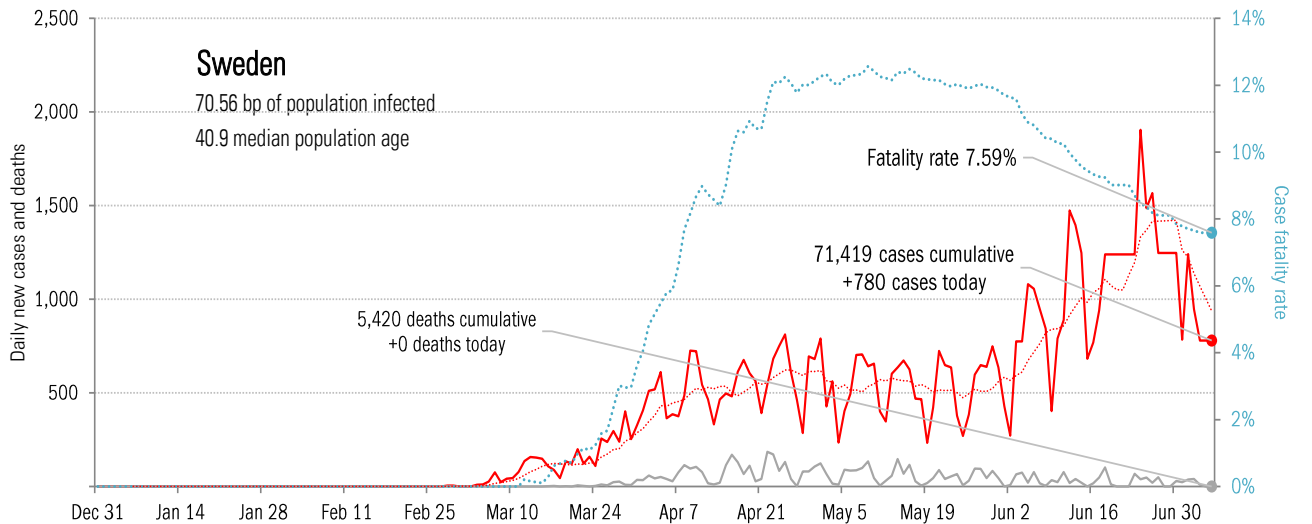
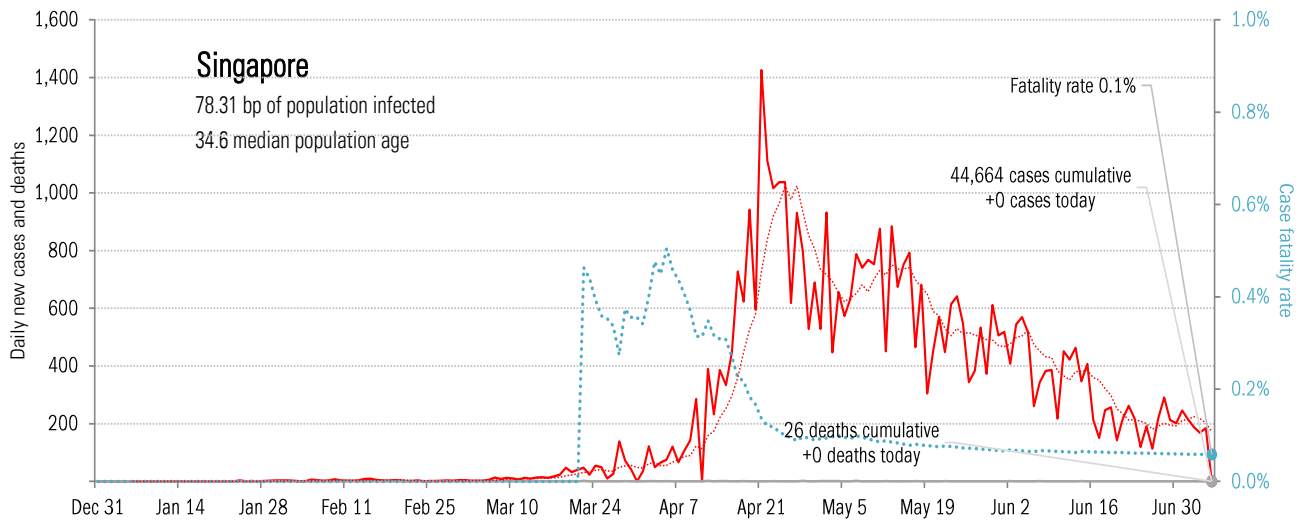
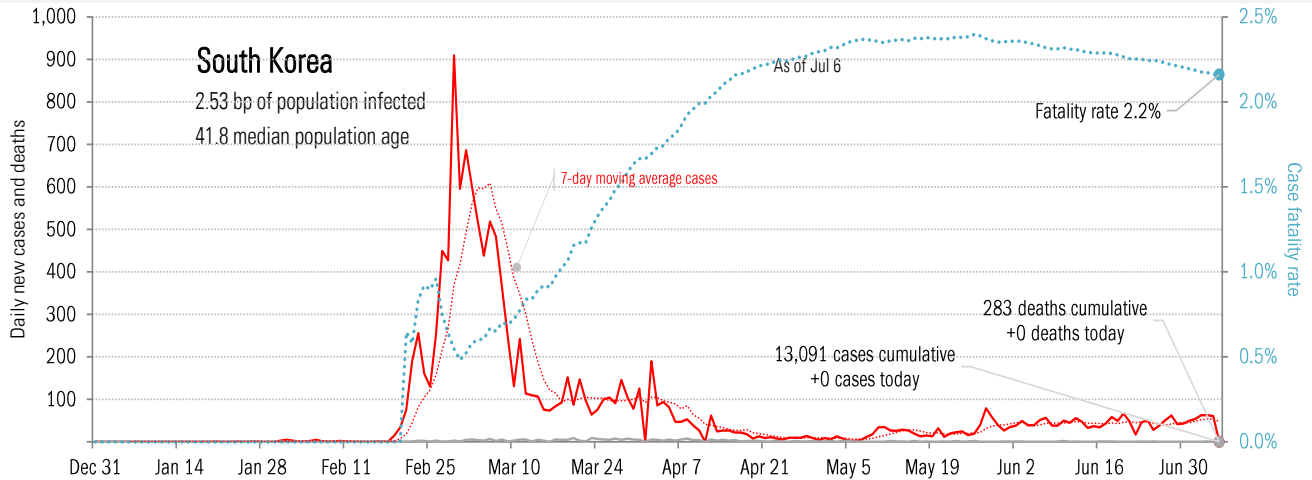
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



Source: [ECDC](#), TrendMacro calculations

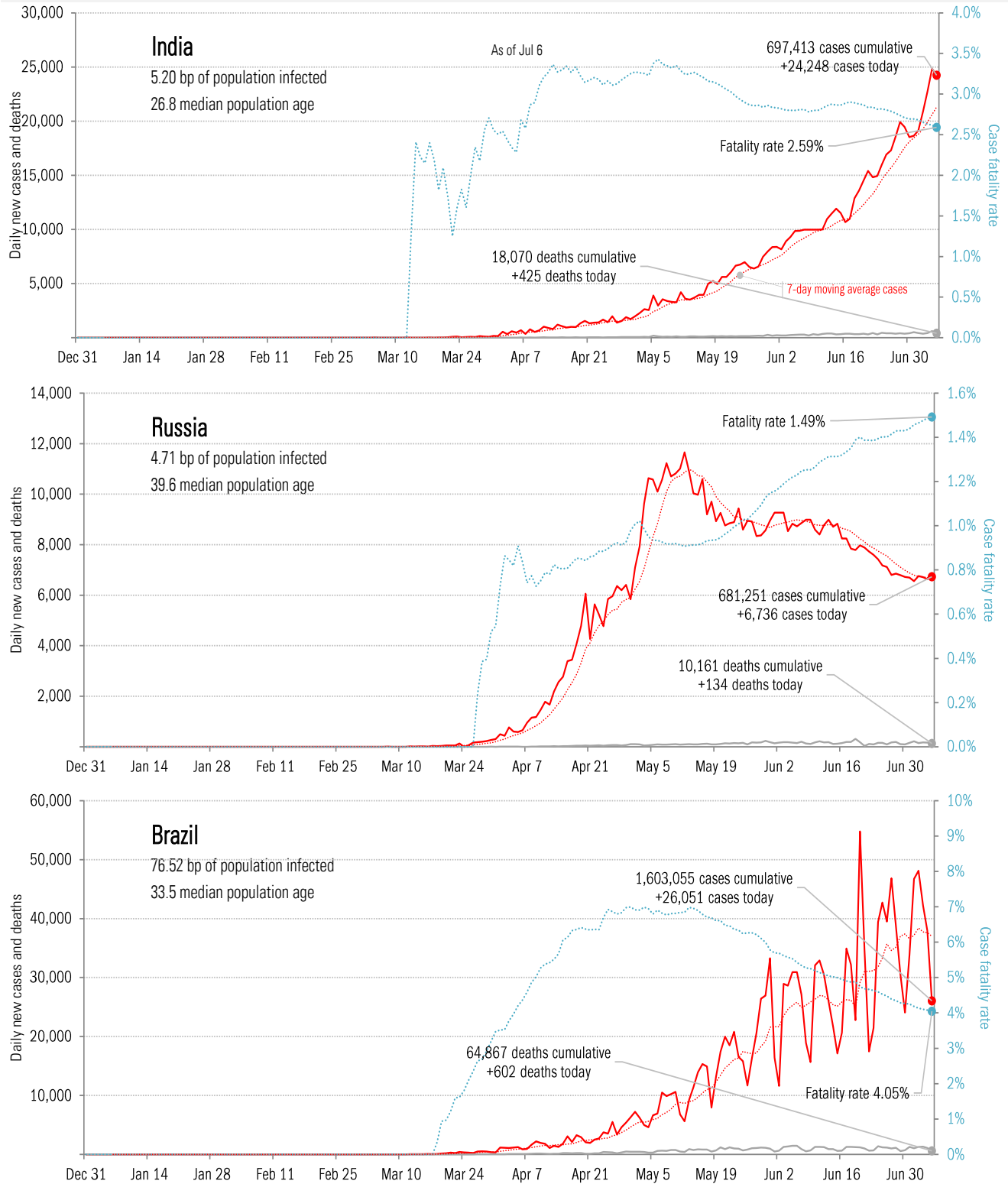
# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

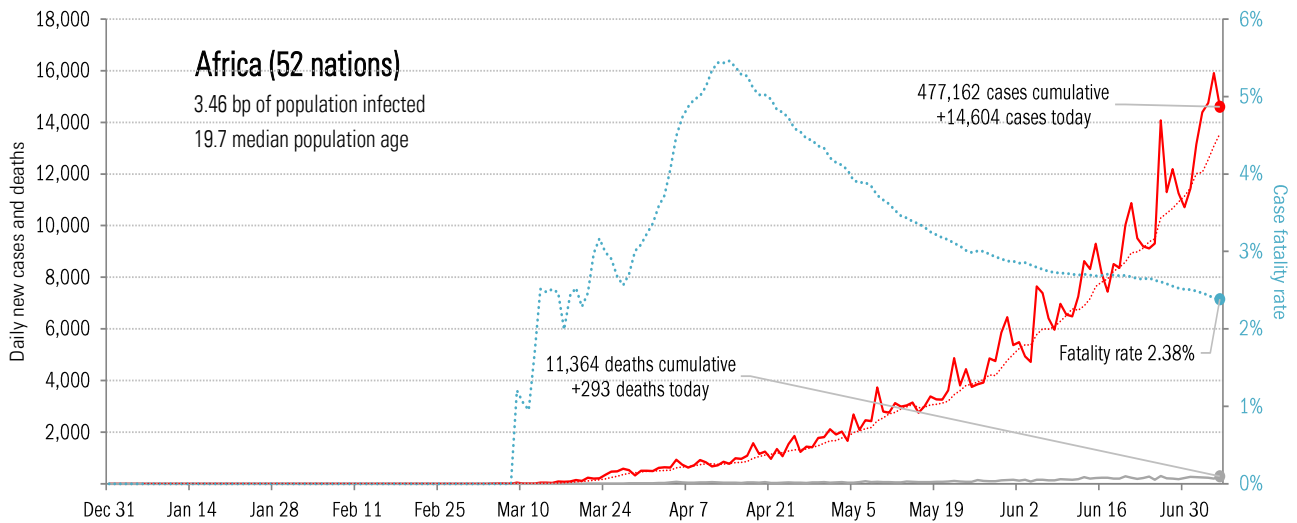
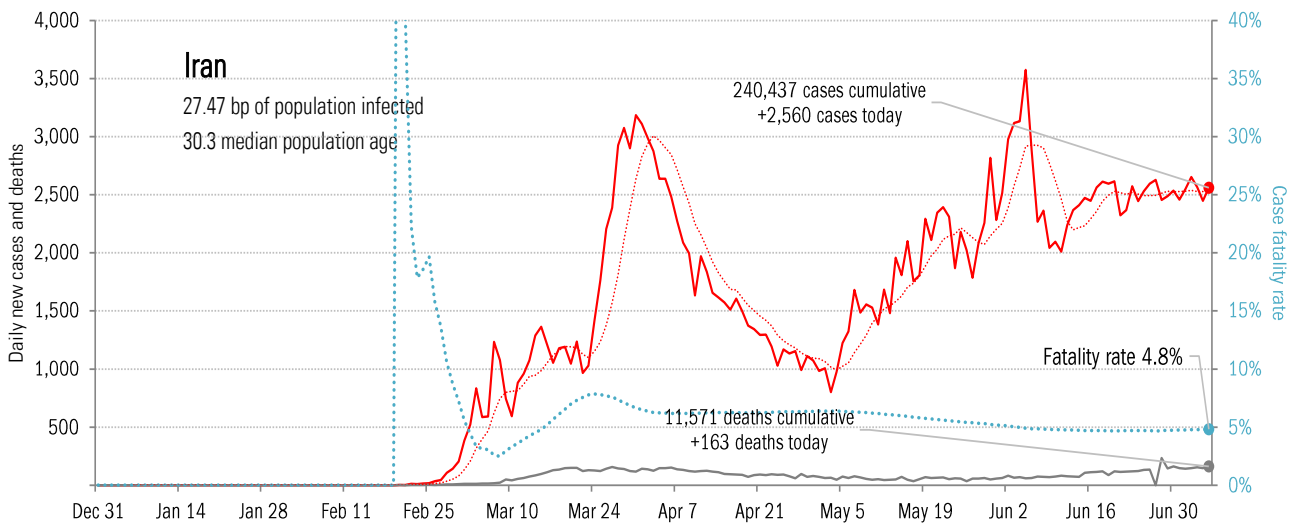
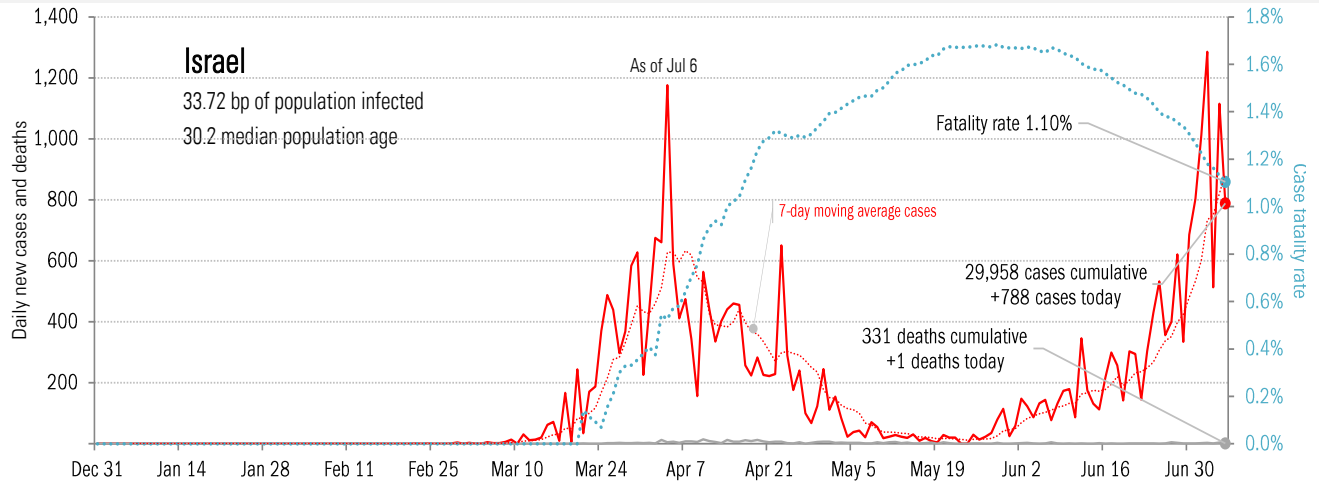


# Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations