

Data Insights: Covid-2019 Monitor

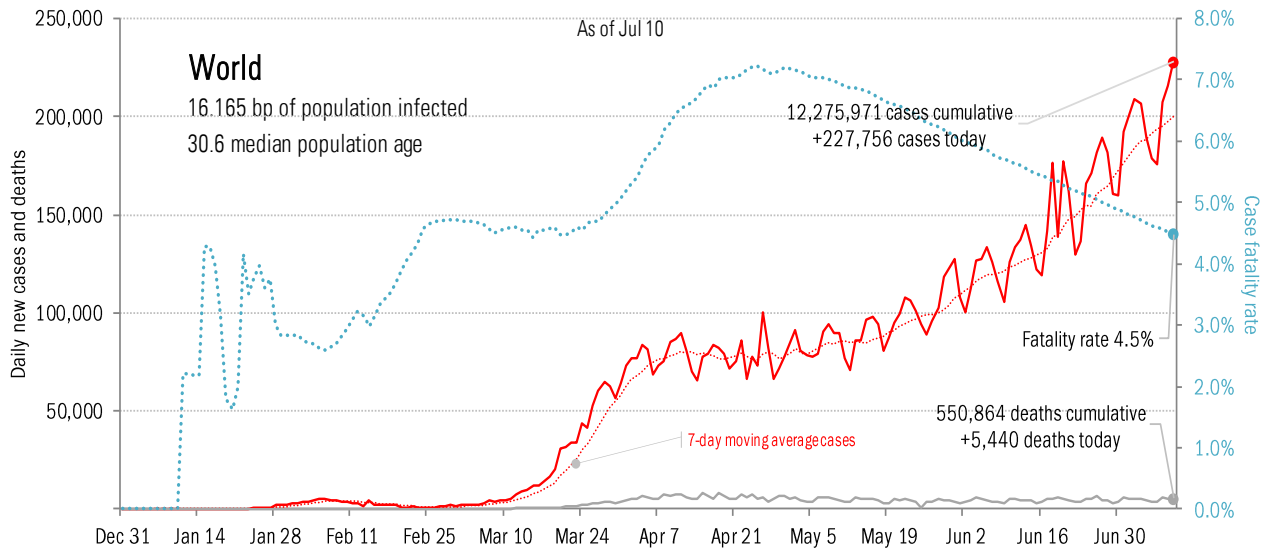
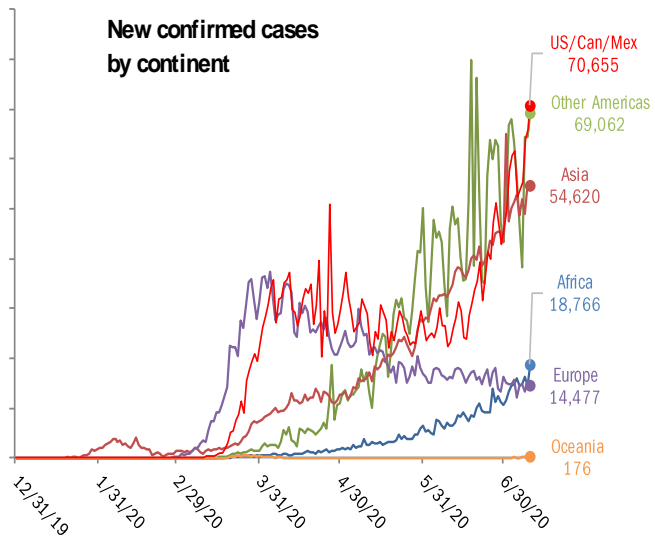
Friday, July 10, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+63,004	Brazil	+1,220
Brazil	+42,619	US	+982
India	+26,506	Mexico	+730
South_Africa	+13,674	India	+475
Mexico	+7,280	Iran	+221
Argentina	+7,267	Colombia	+187
Russia	+6,509	Peru	+181
Colombia	+5,335	Russia	+176
Peru	+3,537	South_Africa	+118
Bangladesh	+3,360	Chile	+109
+179,091		+4,399	
World	+227,756	World	+5,440
Top ten	79%	Top ten	81%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

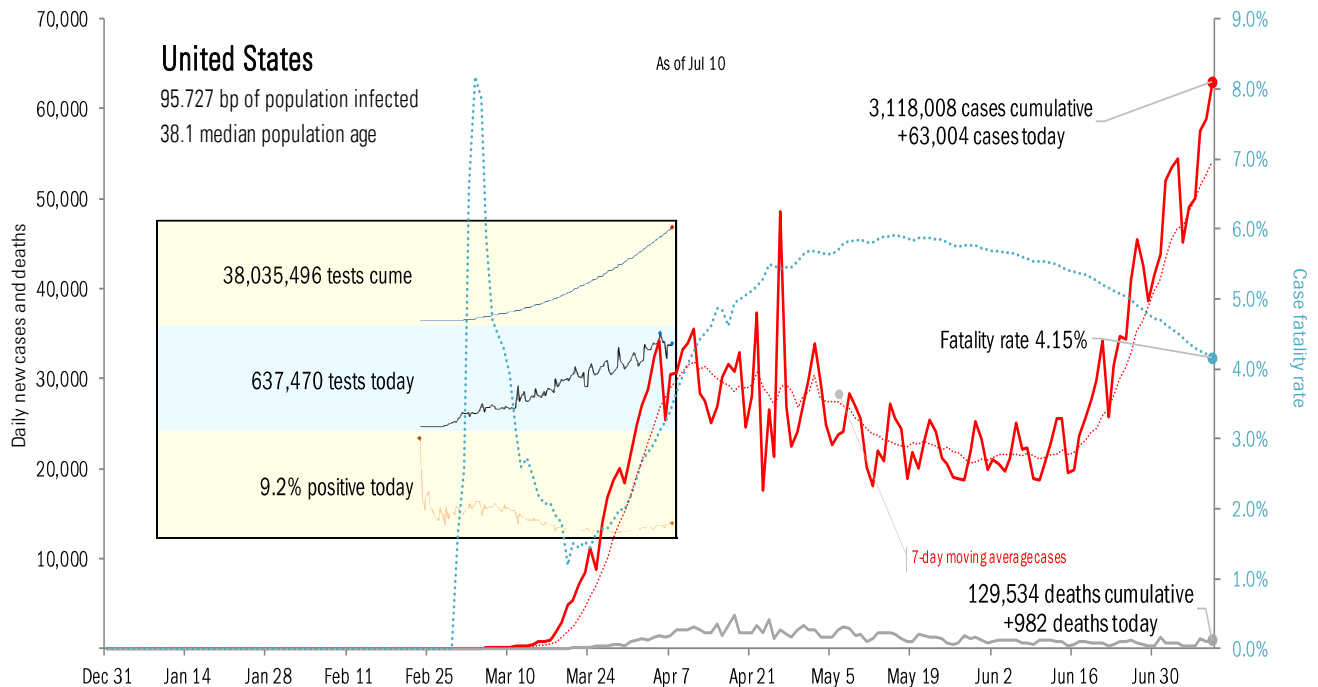
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
TX	+9,782	CA	+149	FL	+411	NY	399,513	NY	24,959	NY	89,995
FL	+8,935	FL	+120	CT	+141	CA	296,499	NJ	15,448	NJ	20,505
CA	+7,031	TX	+105	AZ	+139	FL	232,718	MA	8,268	FL	17,479
AZ	+4,057	AZ	+75	GA	+106	TX	230,346	IL	7,329	GA	12,606
GA	+2,837	PA	+36	OK	+89	NJ	174,240	PA	6,848	MA	11,559
AL	+2,212	VA	+32	OH	+81	IL	151,572	CA	6,711	MD	11,221
NC	+2,039	MA	+25	CO	+79	AZ	112,671	MI	6,271	CT	10,552
LA	+1,843	NJ	+25	NJ	+79	MA	110,897	CT	4,348	VA	10,021
SC	+1,782	TN	+25	TN	+65	GA	106,727	FL	4,111	OH	8,570
TN	+1,605	SC	+21	AR	+50	PA	92,867	LA	3,355	IN	7,386
+42,123		+613		+1,240		1,908,050		87,648		199,894	
All states	+58,836	All states	+867	All states	+1,719	All states	3,101,339	All states	125,590	All states	255,253
Top ten	72%	Top ten	71%	Top ten	72%	Top ten	62%	Top ten	70%	Top ten	78%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CA	-4,663	NJ	-117	GA	-168	TX	+5,042
FL	-1,054	SC	-17	VA	-128	AL	+3,701
TN	-867	IL	-16	NJ	-101	AR	+1,267
KS	-717	AL	-15	CO	-71	TN	+873
GA	-583	GA	-15	MD	-36	OK	+562



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

Recommended reading

[‘The lockdown is causing so many deaths’](#)

Malcolm Kendrick
Spiked!
June 26, 2020

[‘A Punch to the Gut’: Dealing with Suicide in a Pandemic](#)

Arianna Prothero
Education Week
June 19, 2020

[As coronavirus surges, Houston confronts its hidden toll: People dying at home](#)

Mike Hixenbaugh and Charles Ornstein
NBC News, Pro Publica
July 9, 2020

[A Plan to Avert a ‘Superbug’ Pandemic](#)

David A. Ricks and Kasim Kutay
Wall Street Journal
July 8, 2020

Meme of the day

Finance

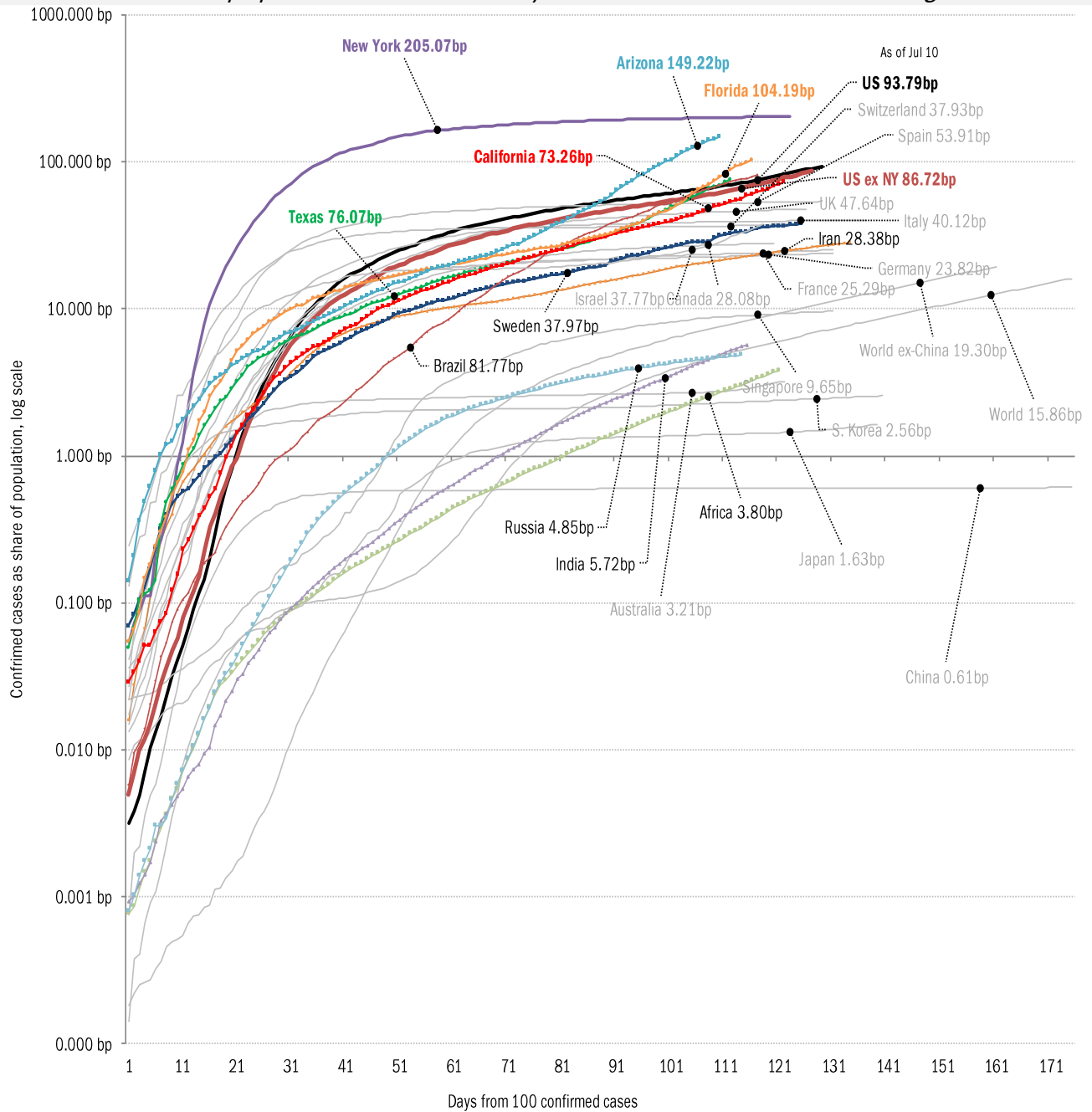
Governors Reinstate Lockdowns To Combat Recovering Economy

July 8th, 2020



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

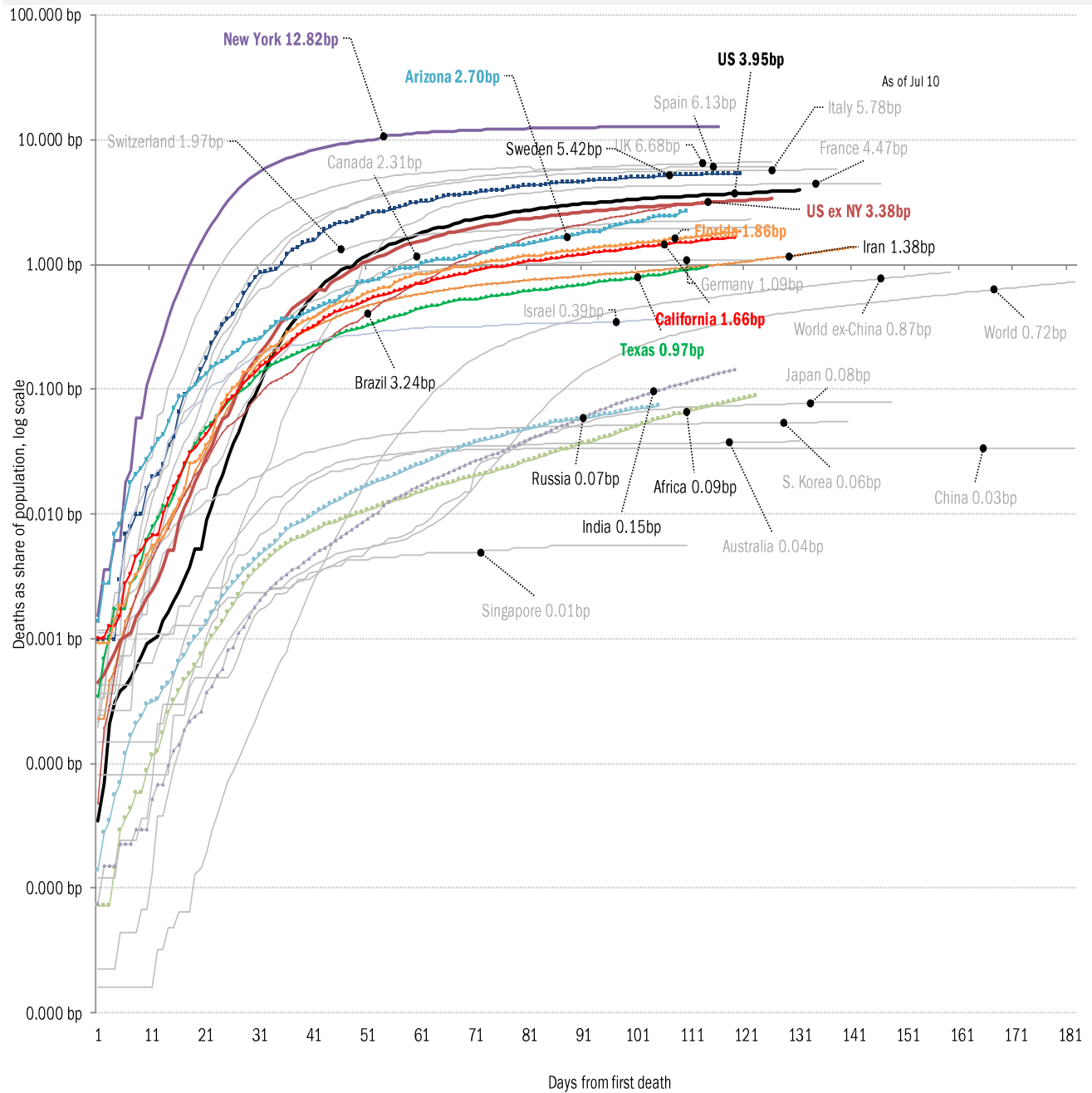
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

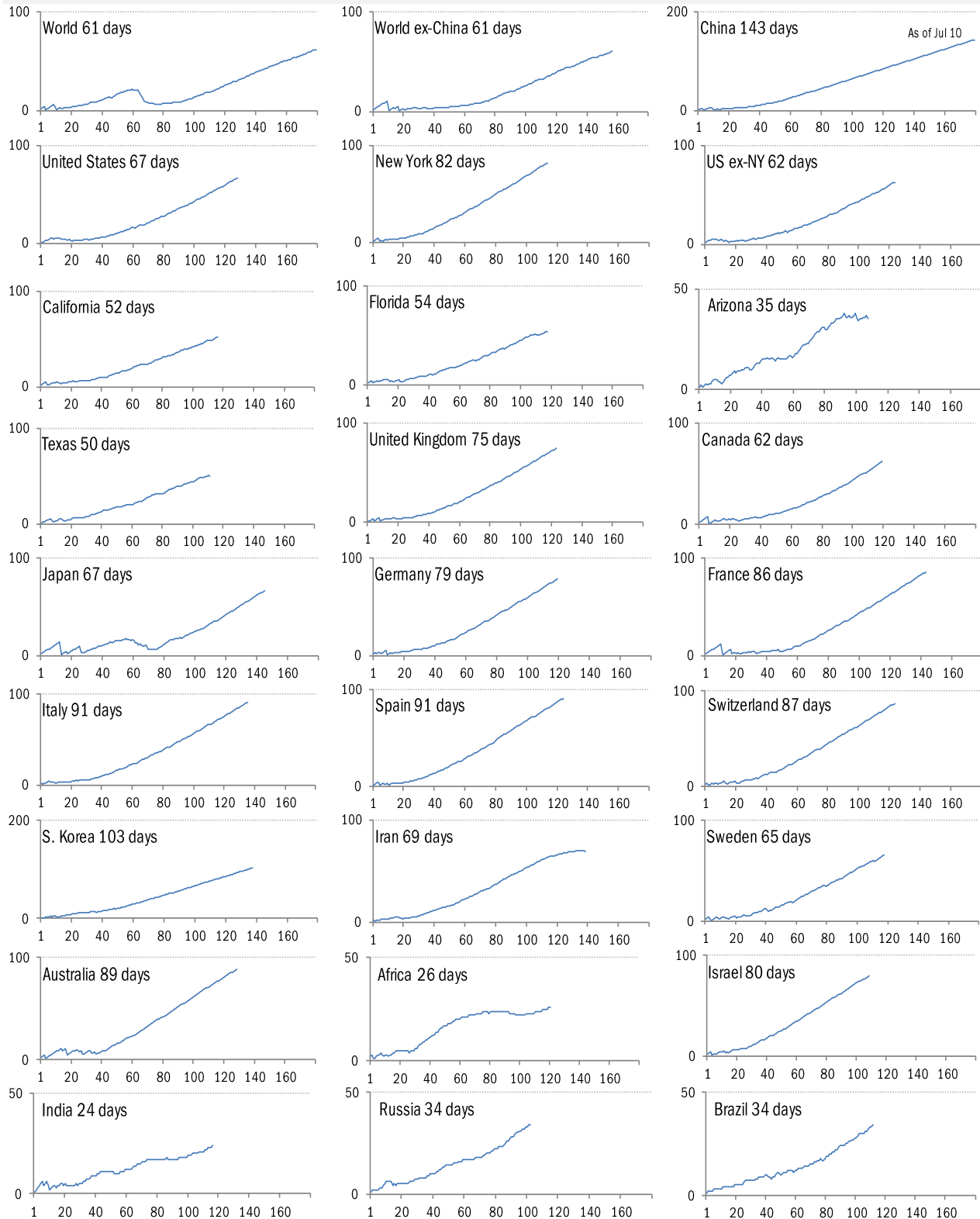
Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

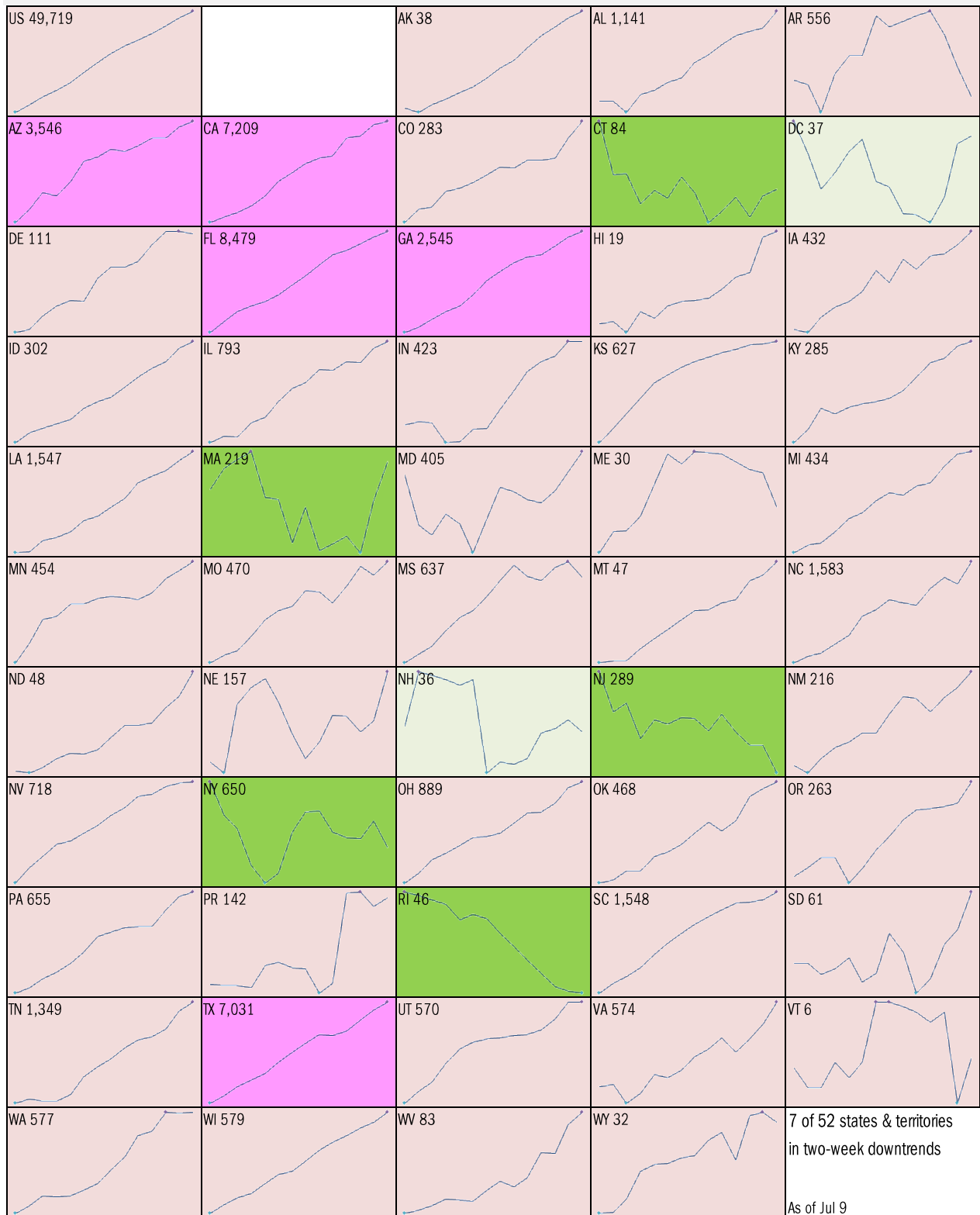
Our most reliable evidence of slowing exponential growth of Covid-2019

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

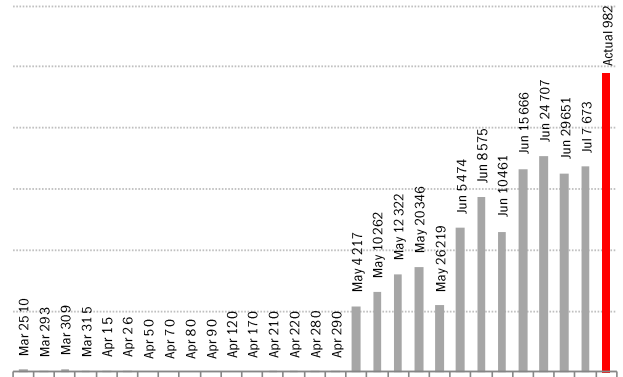
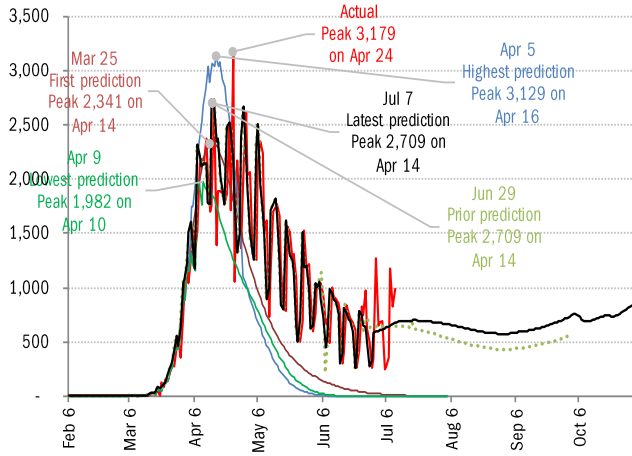
Reality-checking the models: actuals versus [IHME](#) predictions

New daily fatalities

As of Jul 10

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

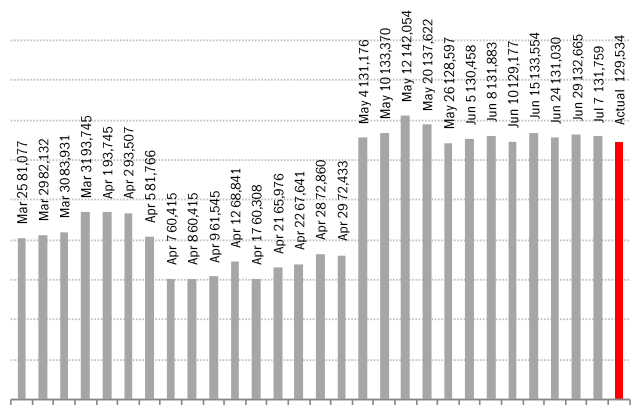
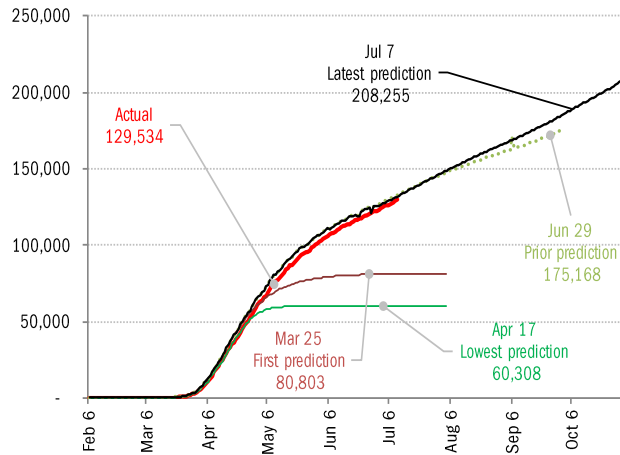
For this day, versus all model mean predictions



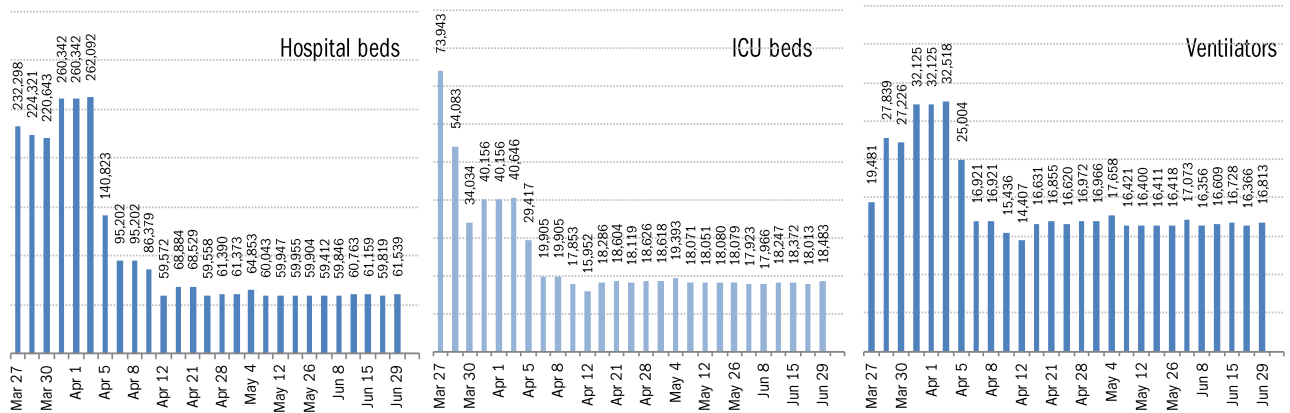
Cumulative fatalities

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

For this day, versus all model mean predictions

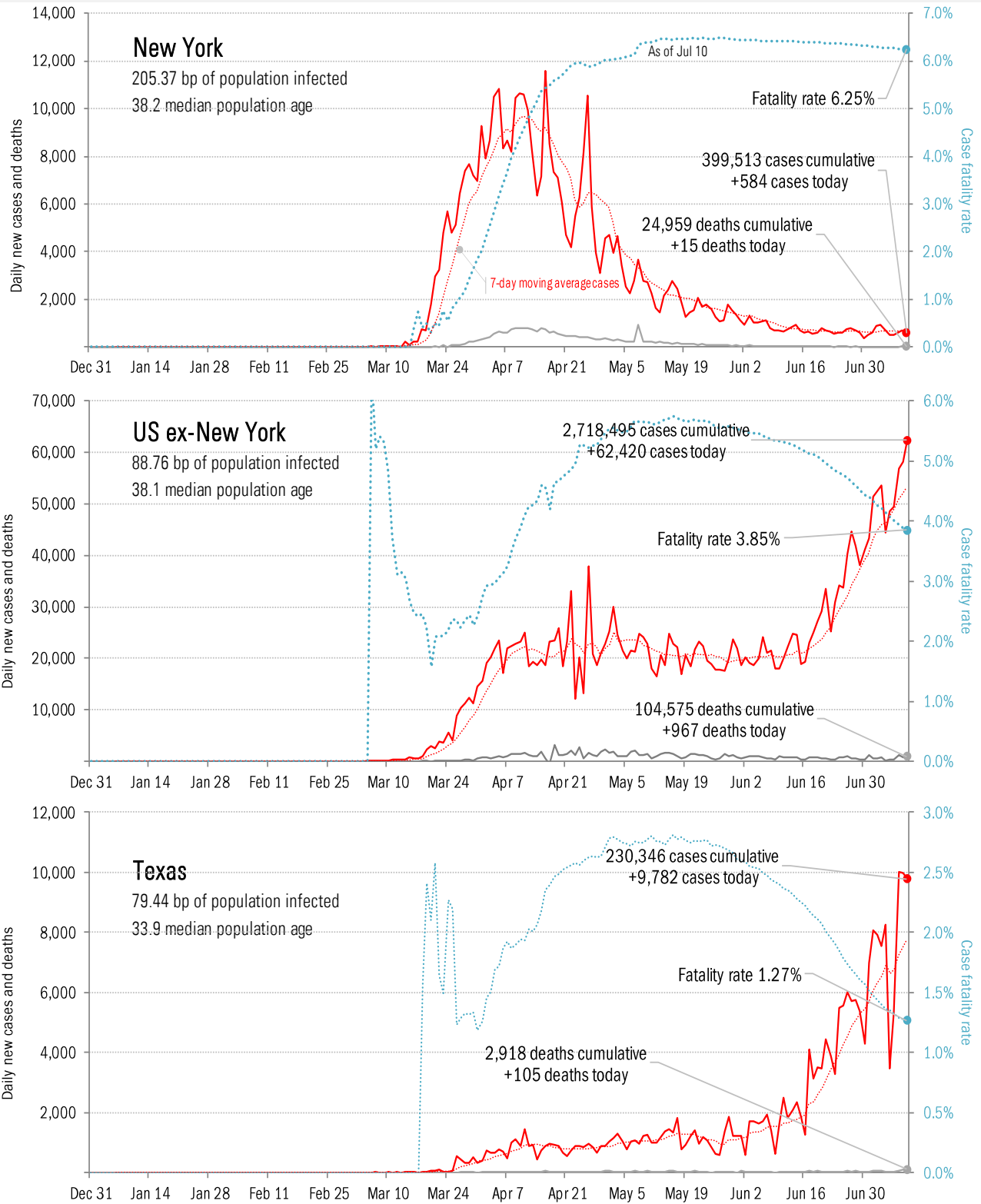


Healthcare system stress, peak estimated at each model revision



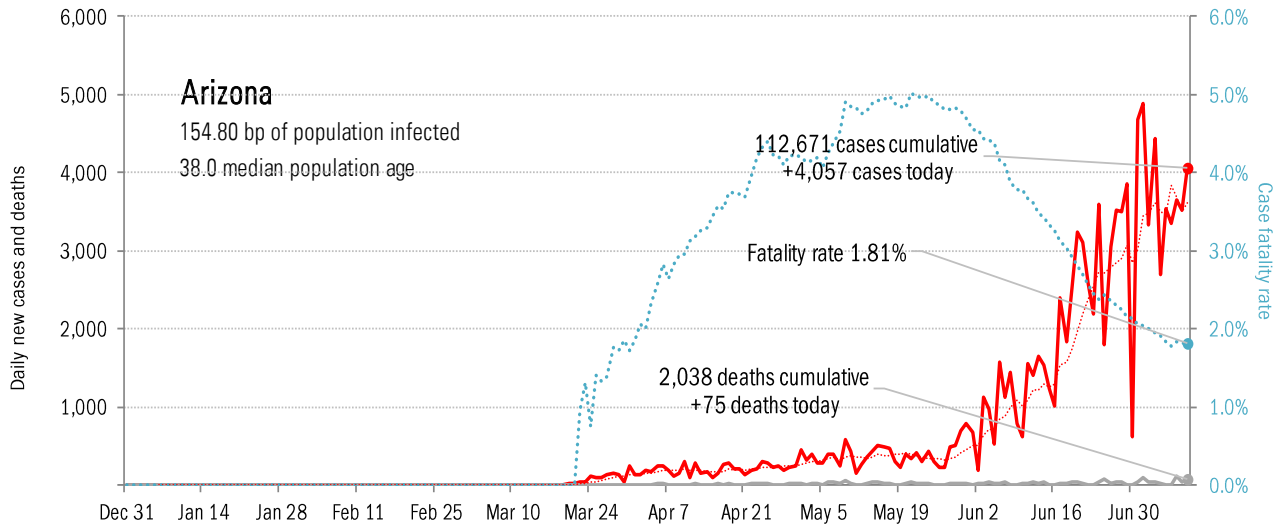
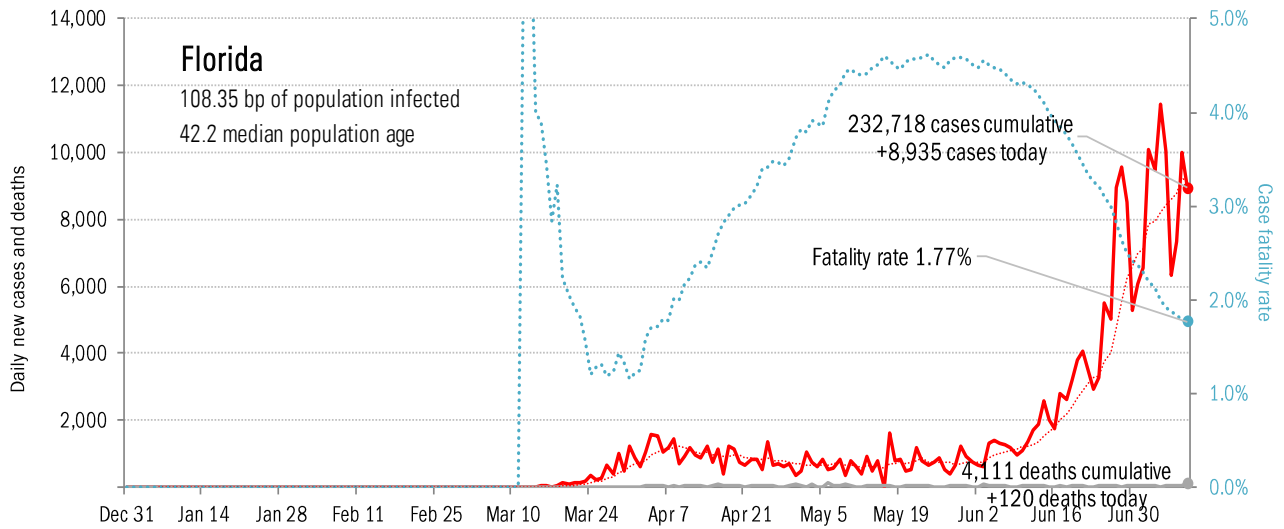
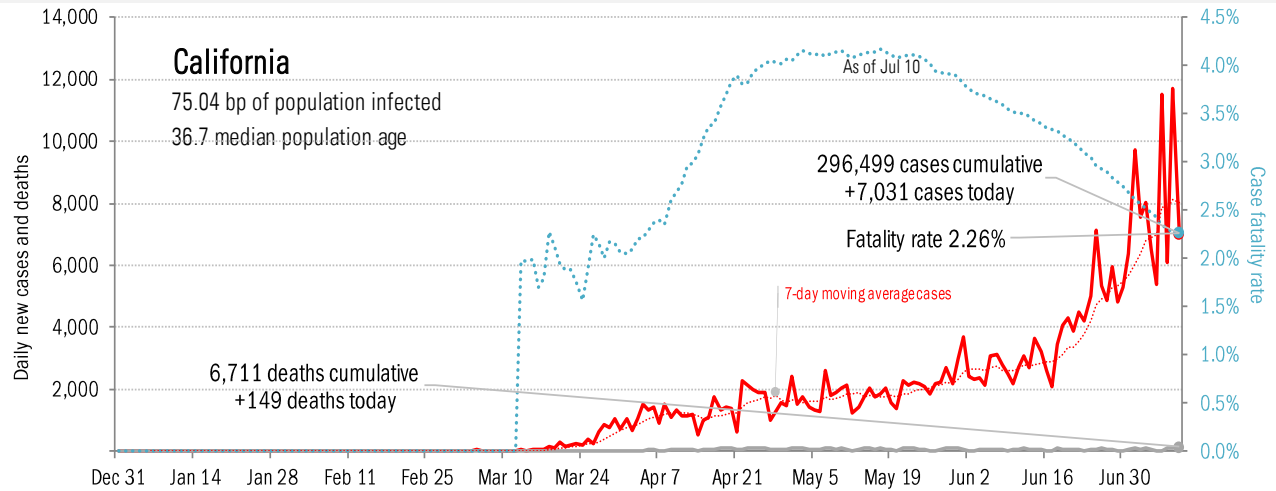
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



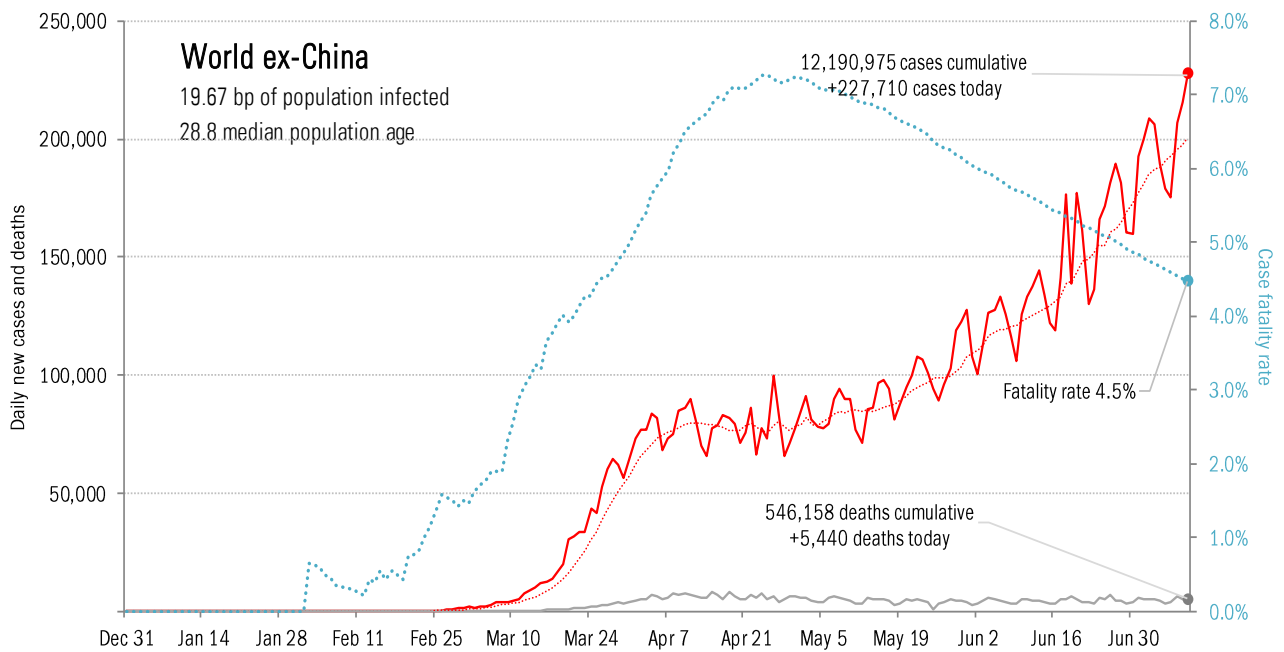
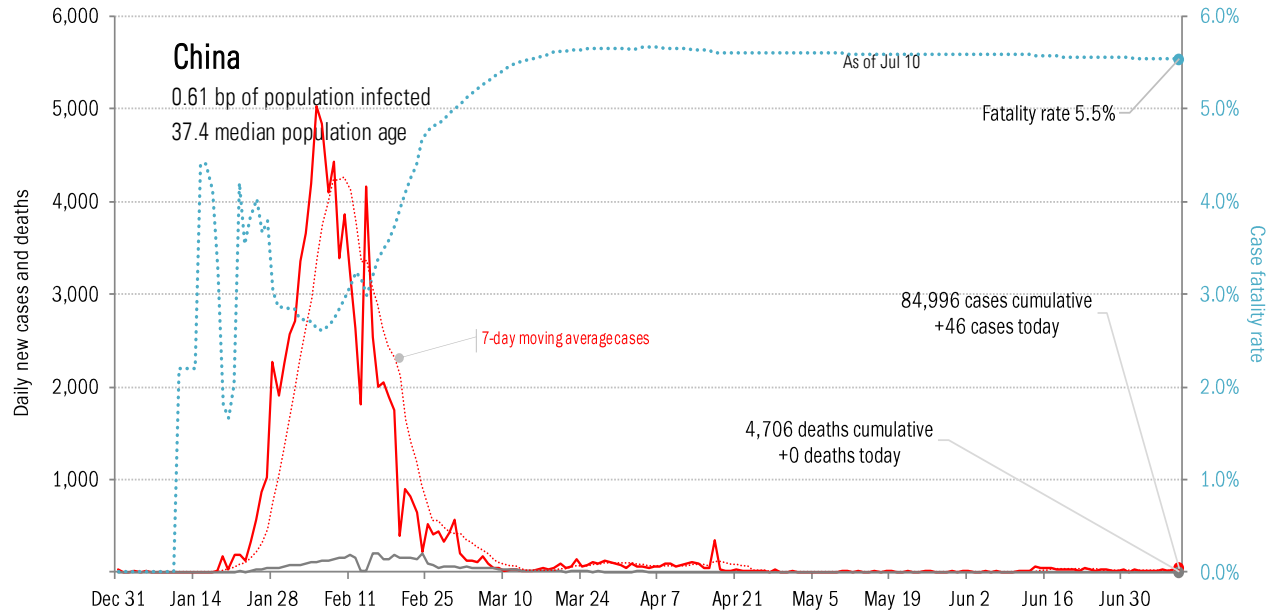
Source: [ECDC](#), TrendMacro calculations

The "second wave" states (other than Texas)



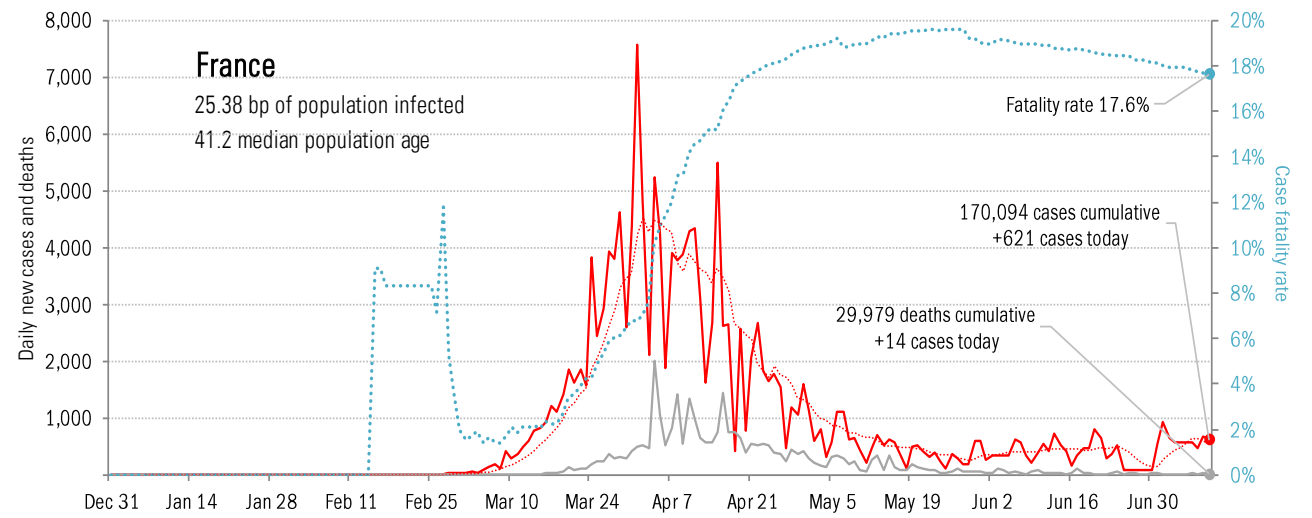
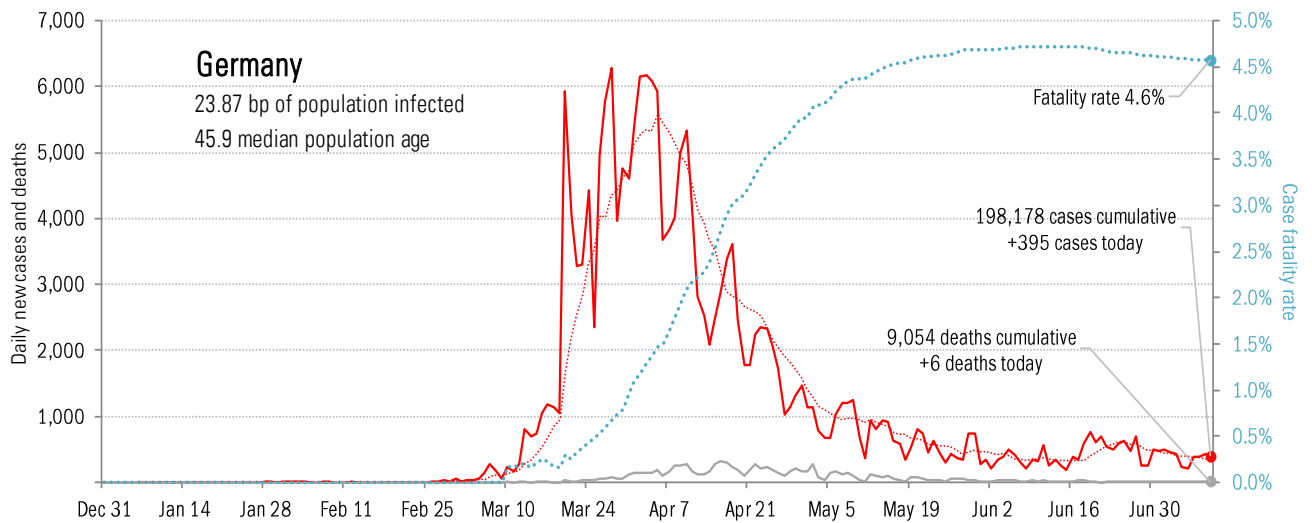
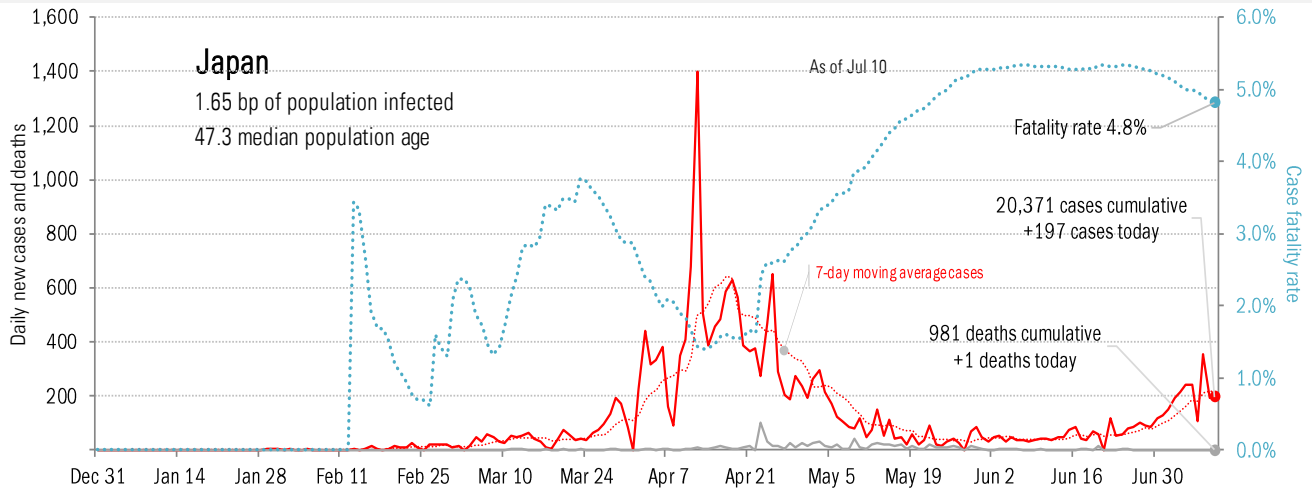
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



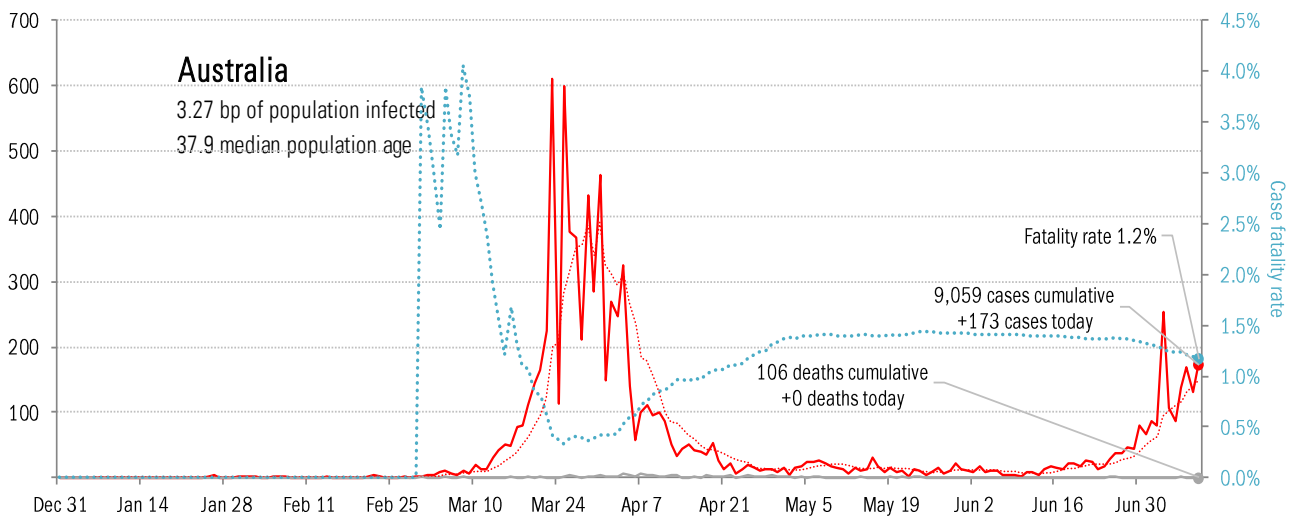
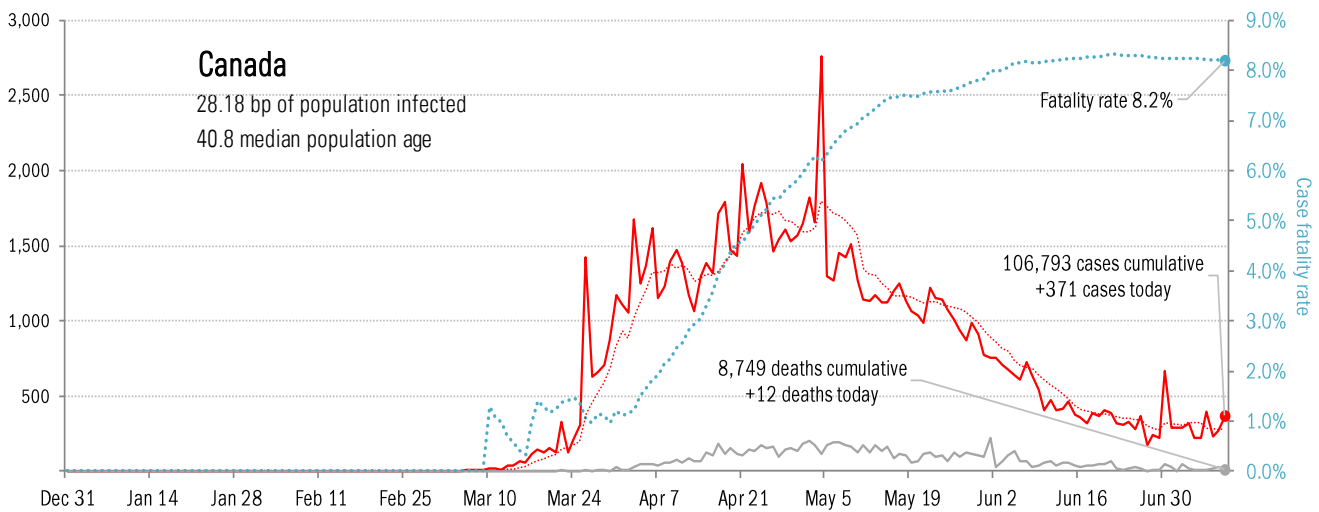
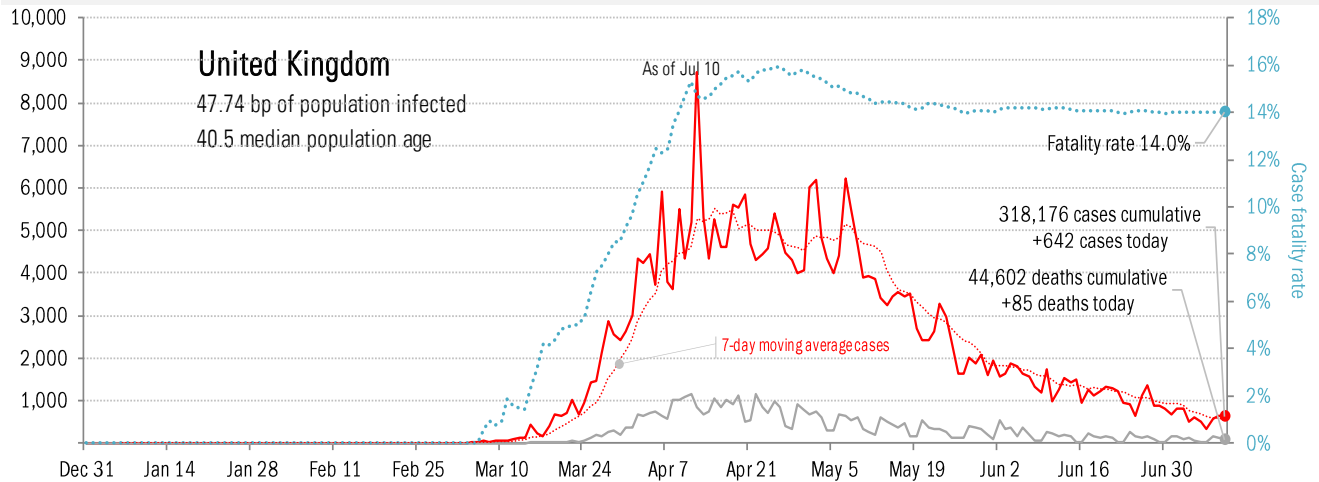
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



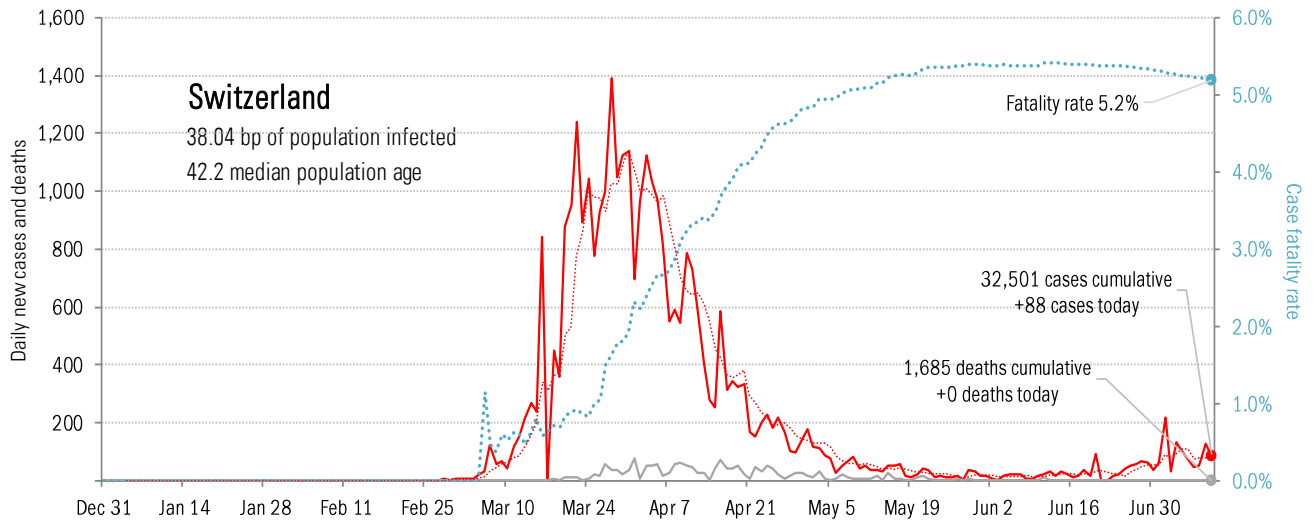
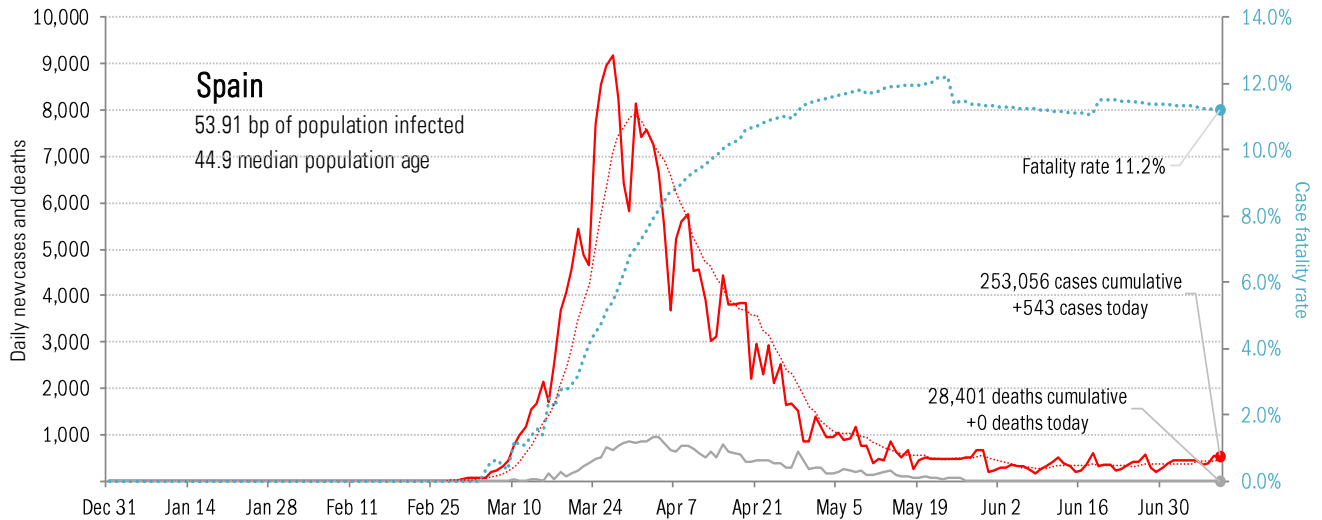
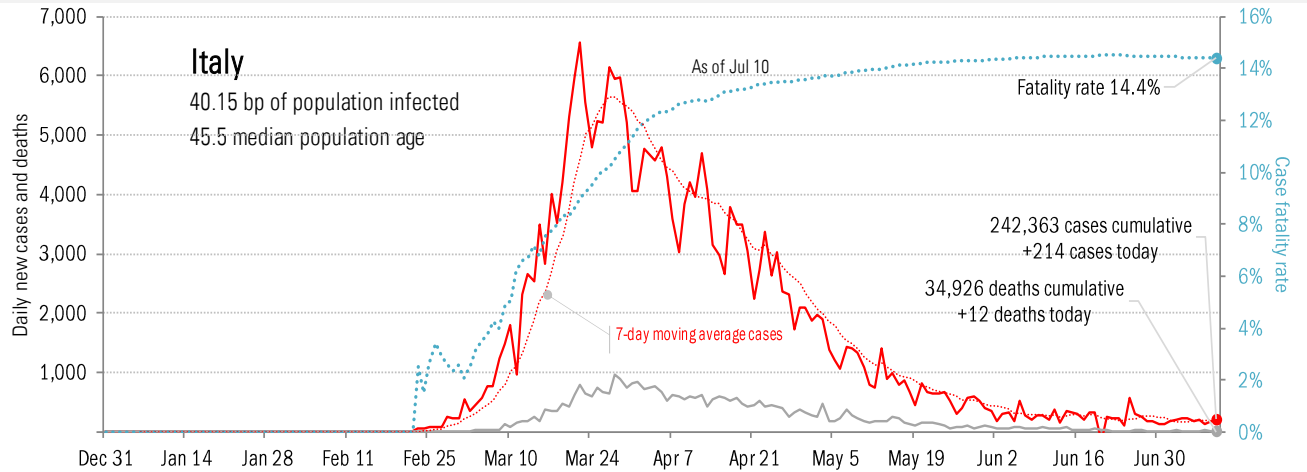
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



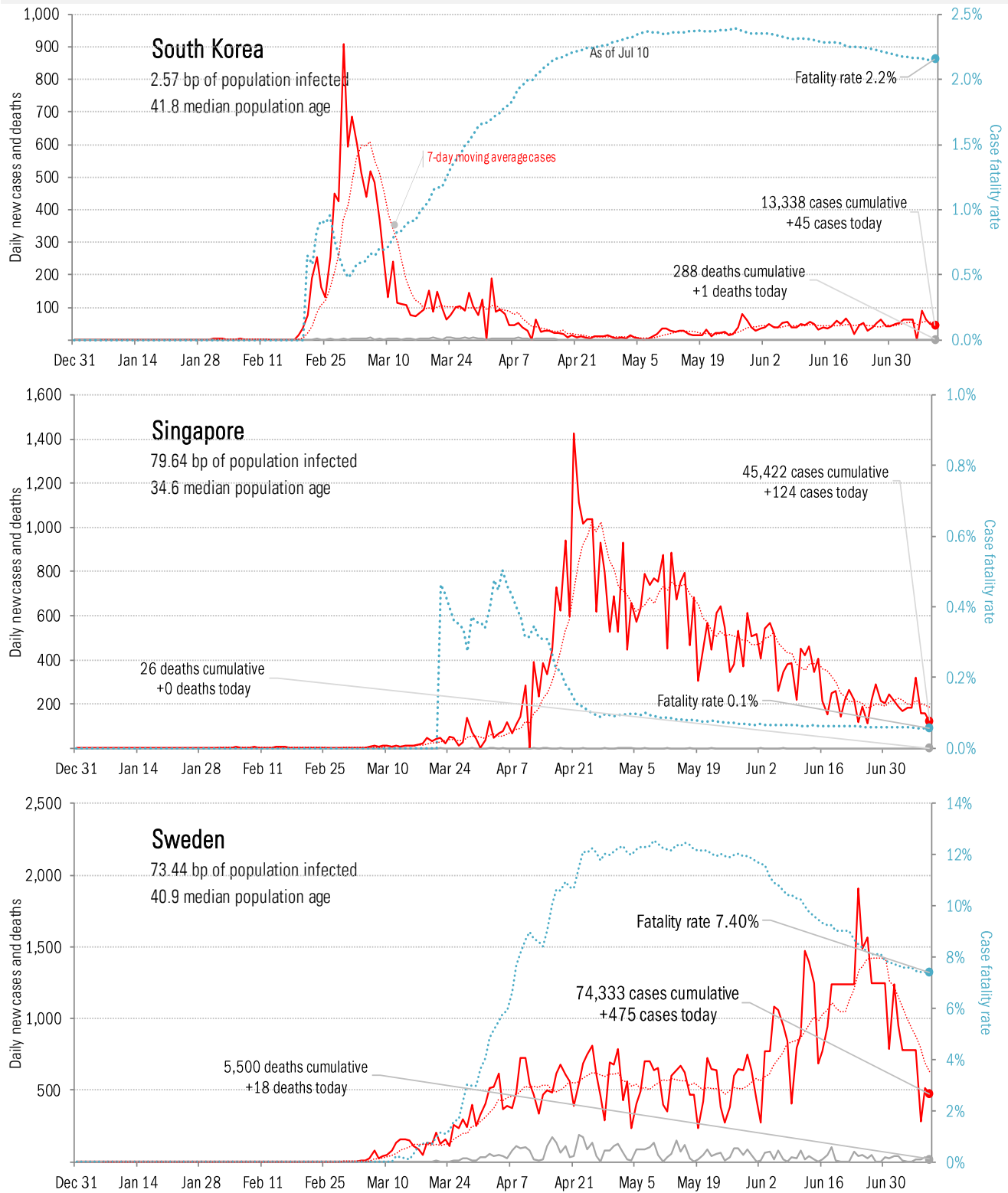
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



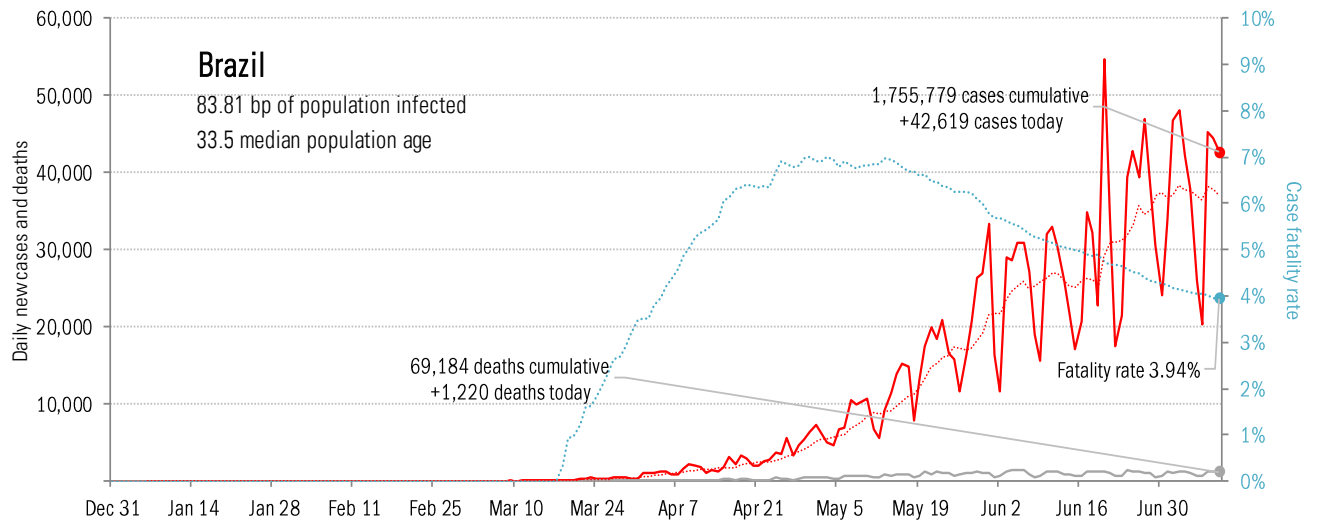
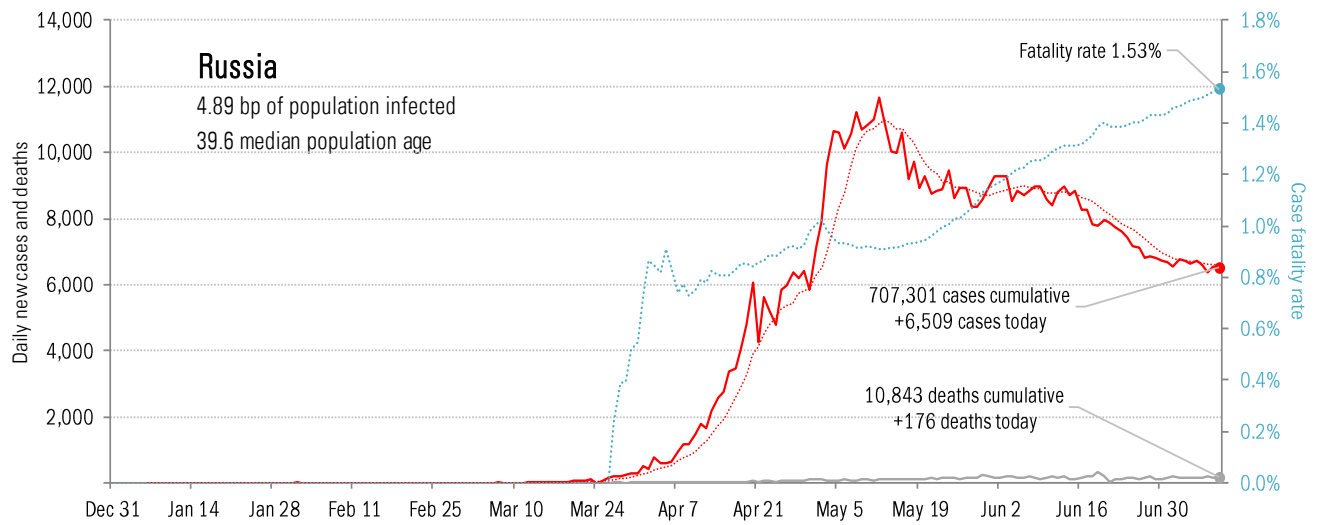
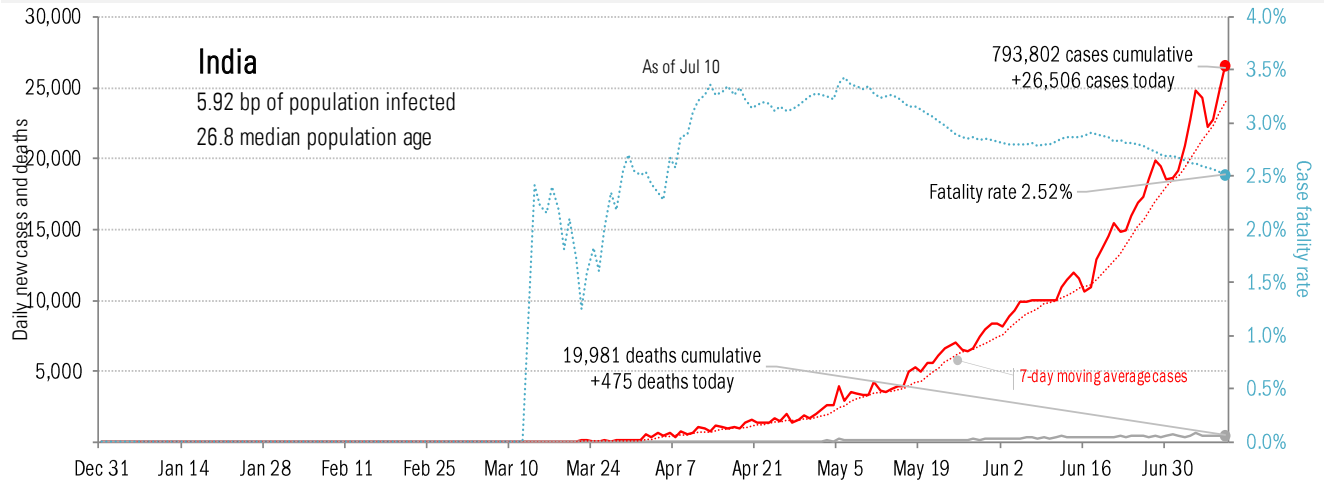
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



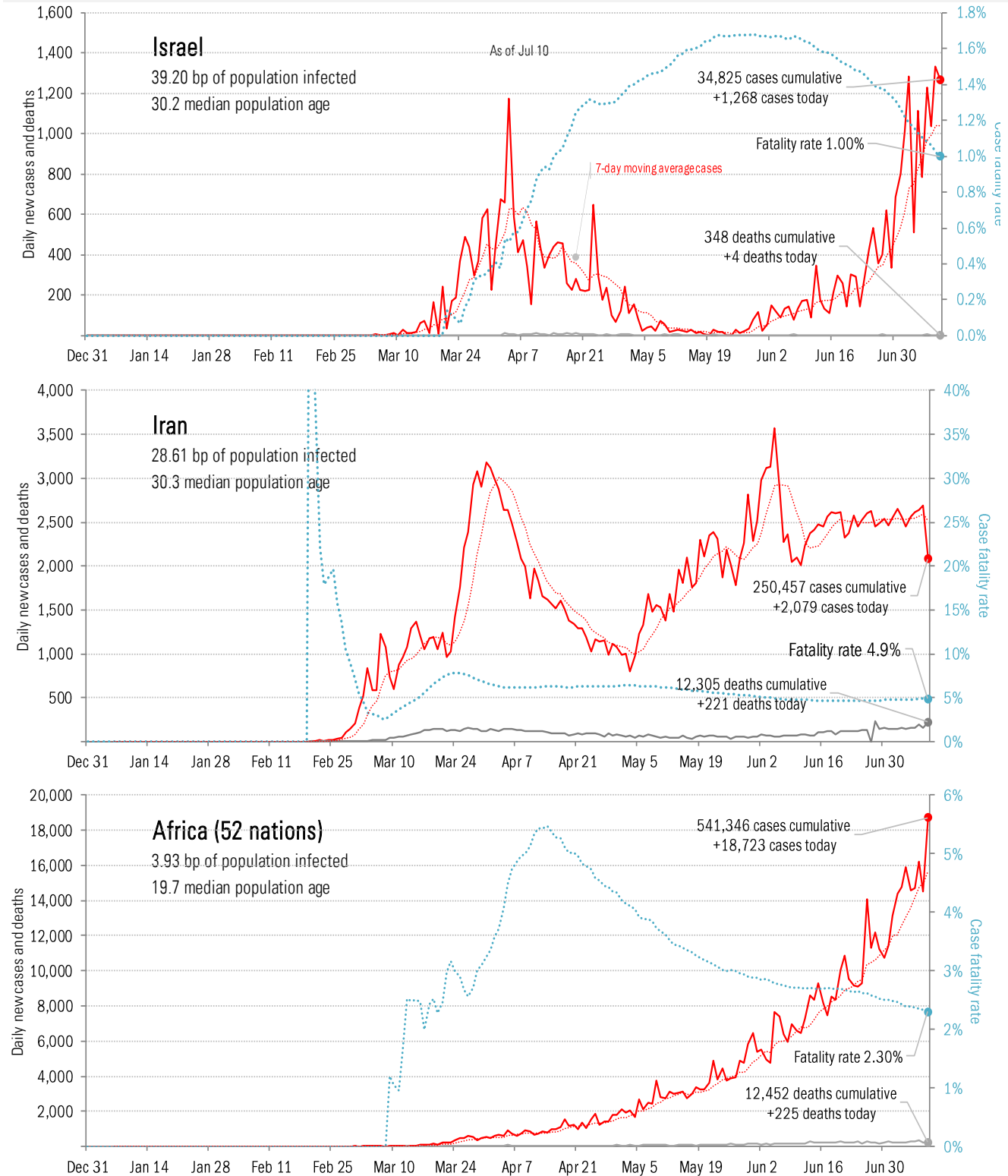
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations