

Data Insights: Covid-2019 Monitor

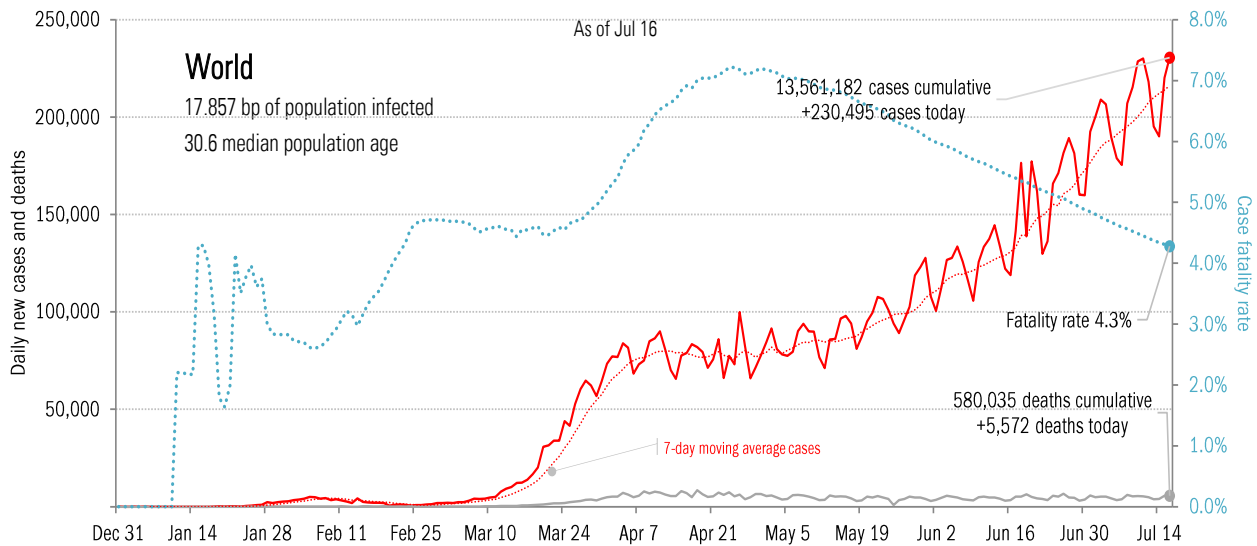
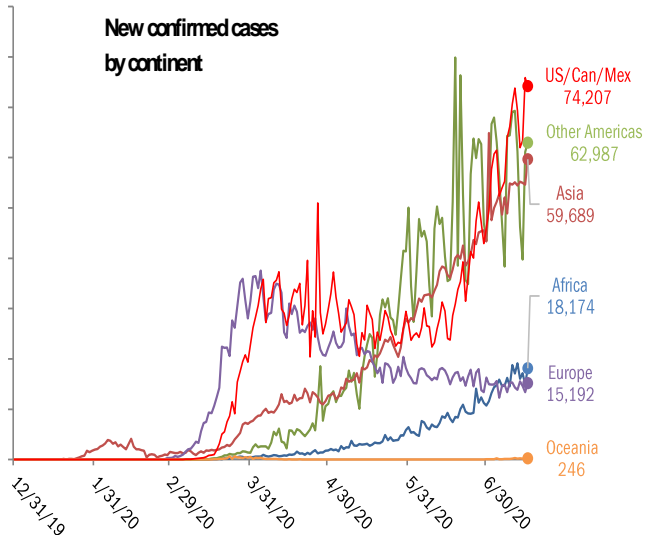
Thursday, July 16, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+67,717	Brazil	+1,233
Brazil	+39,924	US	+953
India	+32,695	India	+606
South_Africa	+12,757	Mexico	+579
Russia	+6,422	Iran	+199
Mexico	+6,149	Colombia	+189
Colombia	+5,271	Peru	+188
Peru	+3,857	Russia	+156
Argentina	+3,645	Argentina	+124
Bangladesh	+3,533	Chile	+117
+181,970		+4,344	
World	+230,495	World	+5,572
Top ten	79%	Top ten	78%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

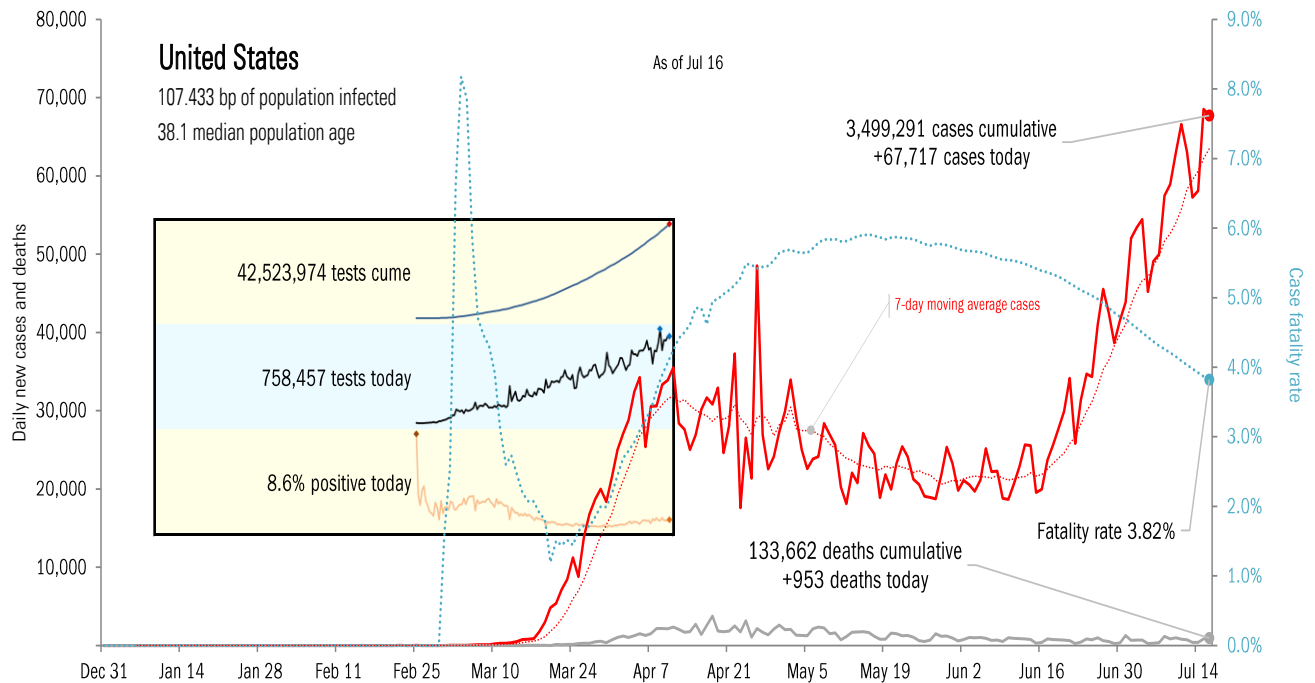
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
CA	+11,126	CA	+140	FL	+458	NY	404,006	NY	25,003	NY	89,995
FL	+10,181	FL	+112	GA	+417	CA	347,634	NJ	15,607	NJ	20,774
TX	+7,307	TX	+110	AL	+168	FL	301,810	MA	8,368	FL	19,659
GA	+3,871	AZ	+97	AZ	+161	TX	282,365	IL	7,427	GA	14,102
AZ	+3,257	AL	+47	CH	+160	NJ	176,278	CA	7,227	MA	11,651
TN	+2,273	GA	+37	NJ	+142	IL	157,825	PA	6,957	MD	11,625
LA	+2,089	MA	+28	MD	+140	AZ	131,354	MI	6,330	VA	10,608
SC	+1,856	PA	+26	AR	+76	GA	127,834	FL	4,626	CT	10,552
AL	+1,812	NJ	+25	NH	+76	MA	112,347	CT	4,380	CH	9,209
NC	+1,782	MS	+18	VA	+58	PA	97,665	LA	3,461	IN	7,686
+45,554		+640		+1,856		2,139,118		89,386		205,861	
All states	+65,106	All states	+855	All states	+2,380	All states	3,478,419	All states	129,595	All states	269,507
Top ten	70%	Top ten	75%	Top ten	78%	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	
TX	-3,438	NC	-26	SC	-346	LA	+6,954
AZ	-1,016	FL	-21	AL	-210	TX	+6,878
WA	-554	IL	-17	TN	-38	AL	+3,953
CR	-367	SC	-16	VA	-33	TN	+1,585
SC	-365	NV	-13	CO	-24	MA	+1,043



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

Recommended reading

[An mRNA Vaccine against SARS-CoV-2 — Preliminary Report](#)

Lisa A. Jackson et al.
New England Journal of Medicine
July 14, 2020

[Special Community Forum on “Opening Schools in Orange County”](#)

Orange County Board of Education
July 13, 2020

[Anthony Fauci has been wrong about everything I have interacted with him on](#)

Peter Navarro
USA Today
July 15, 2020

[Busted: 11 COVID Assumptions Based on Fear Not Fact](#)

Makia Freeman
GreenMed Info
July 14th 2020

[Local governments weigh major tax hikes to plug coronavirus-induced shortfalls](#)

Ronn Blitzer
Fox News
July 13, 2020

[2020 Is Not 1968. It May Be Worse.](#)

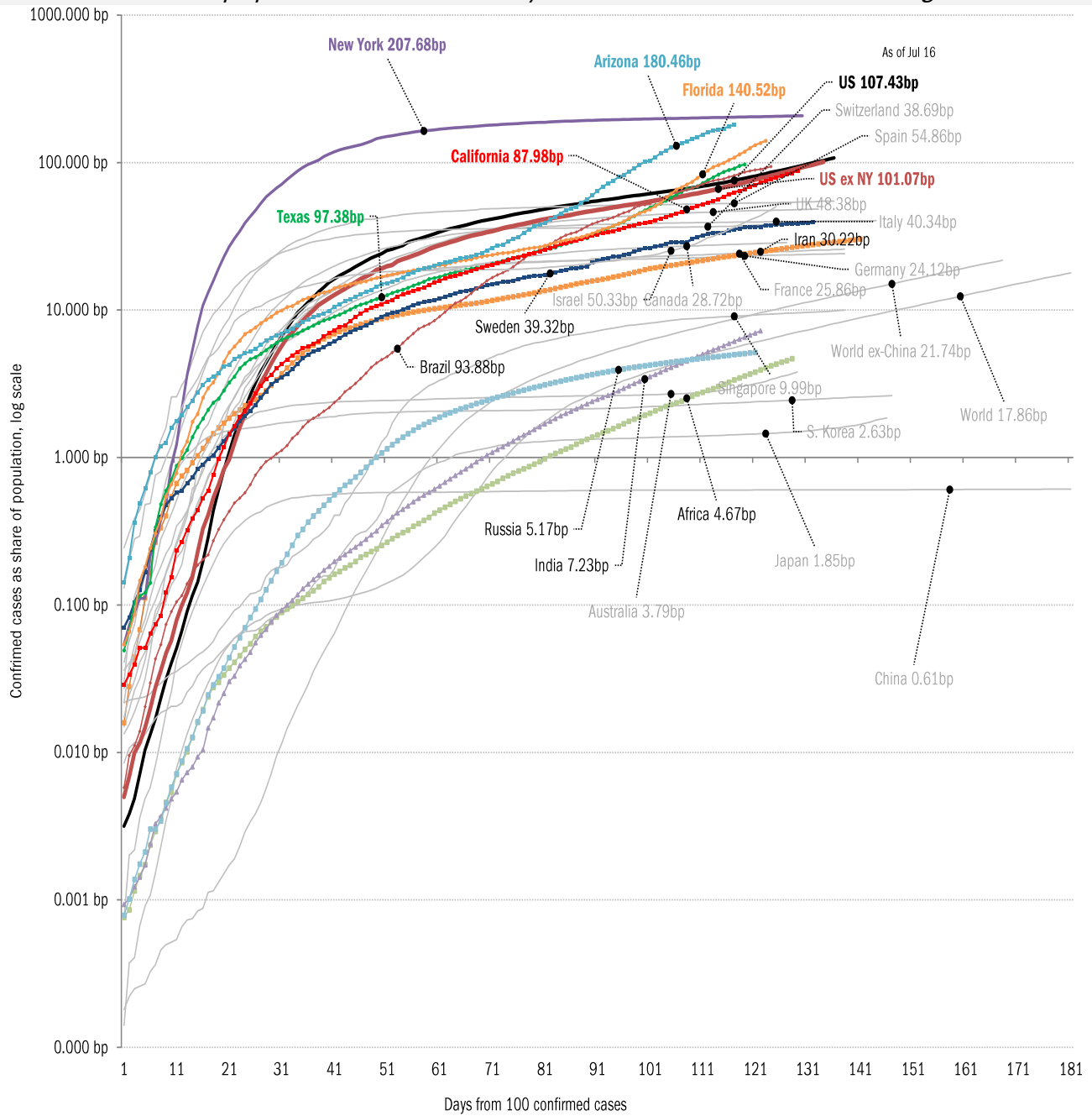
Niall Ferguson
Bloomberg
June 7, 2020

Meme of the day



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

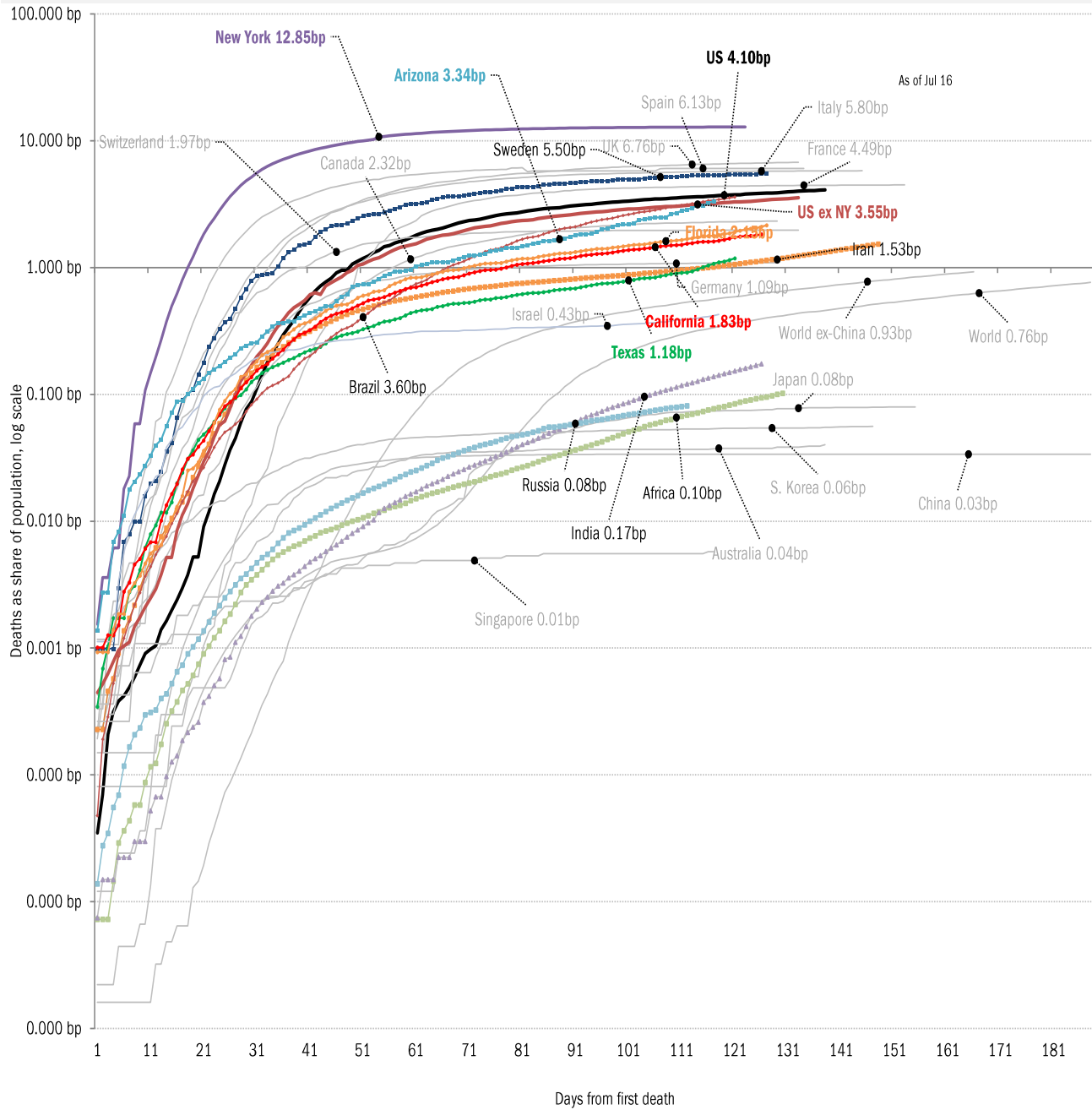
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

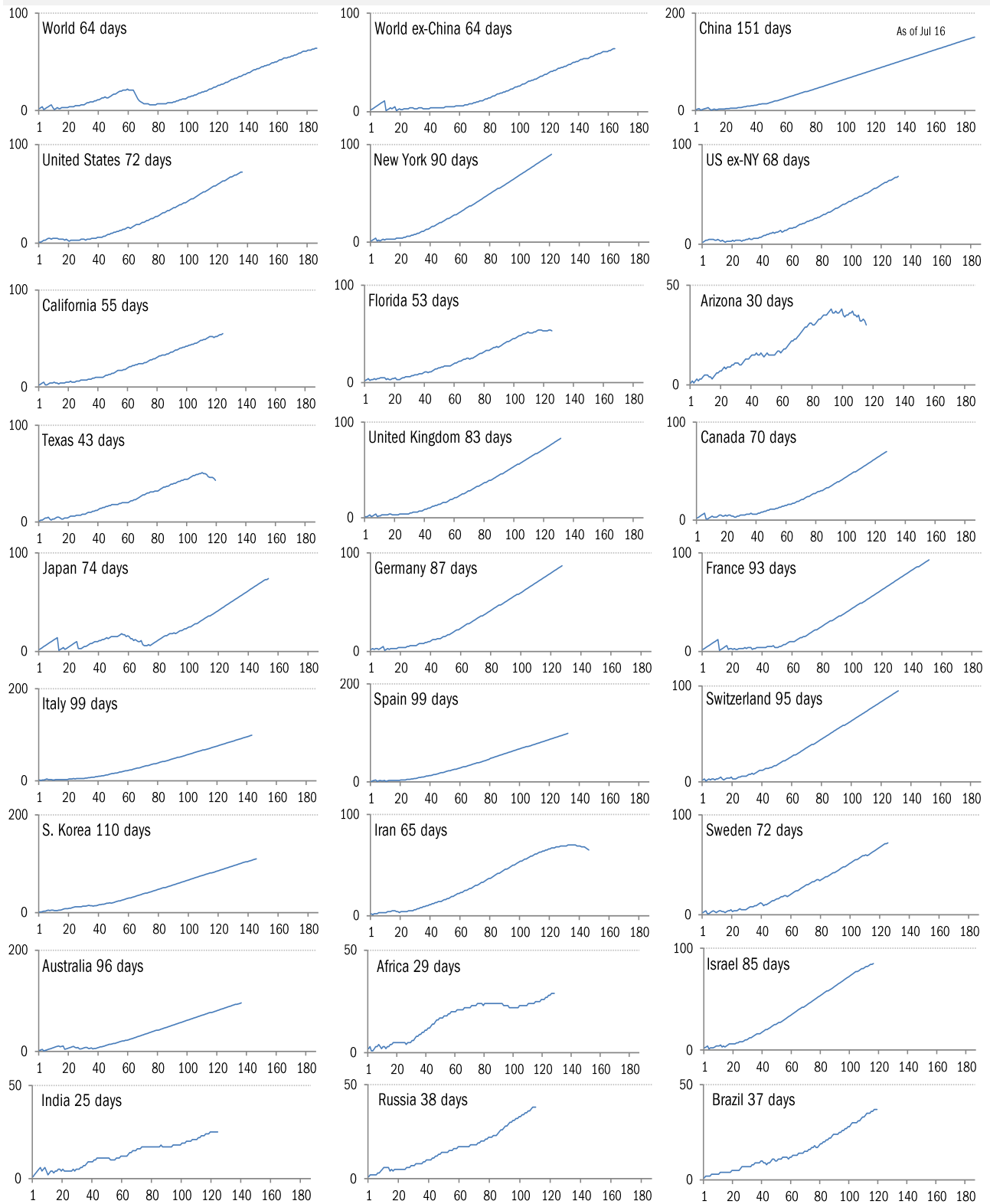
Share of deceased population from day of first fatality



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

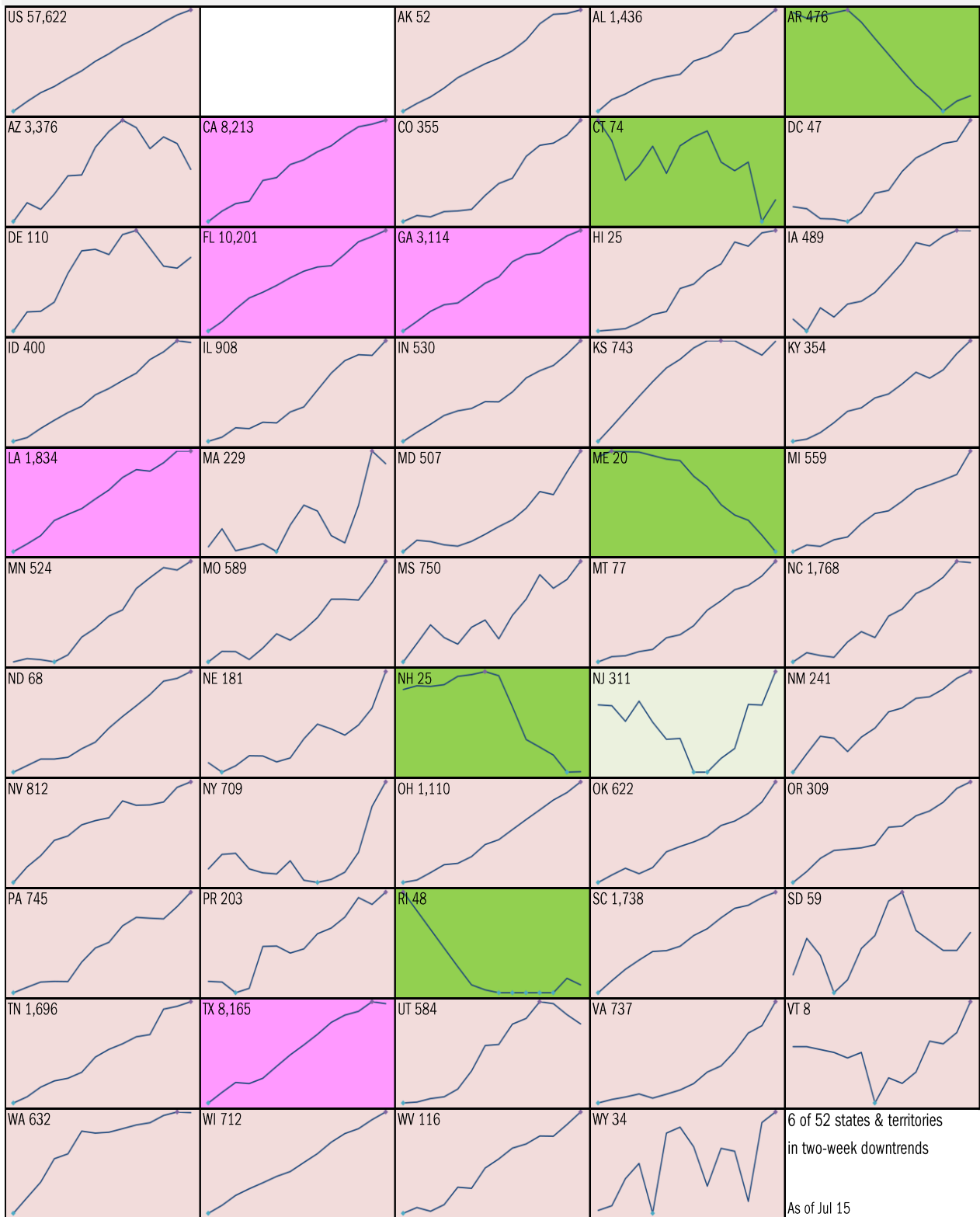


Source: [ECDC](#), TrendMacro calculations

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

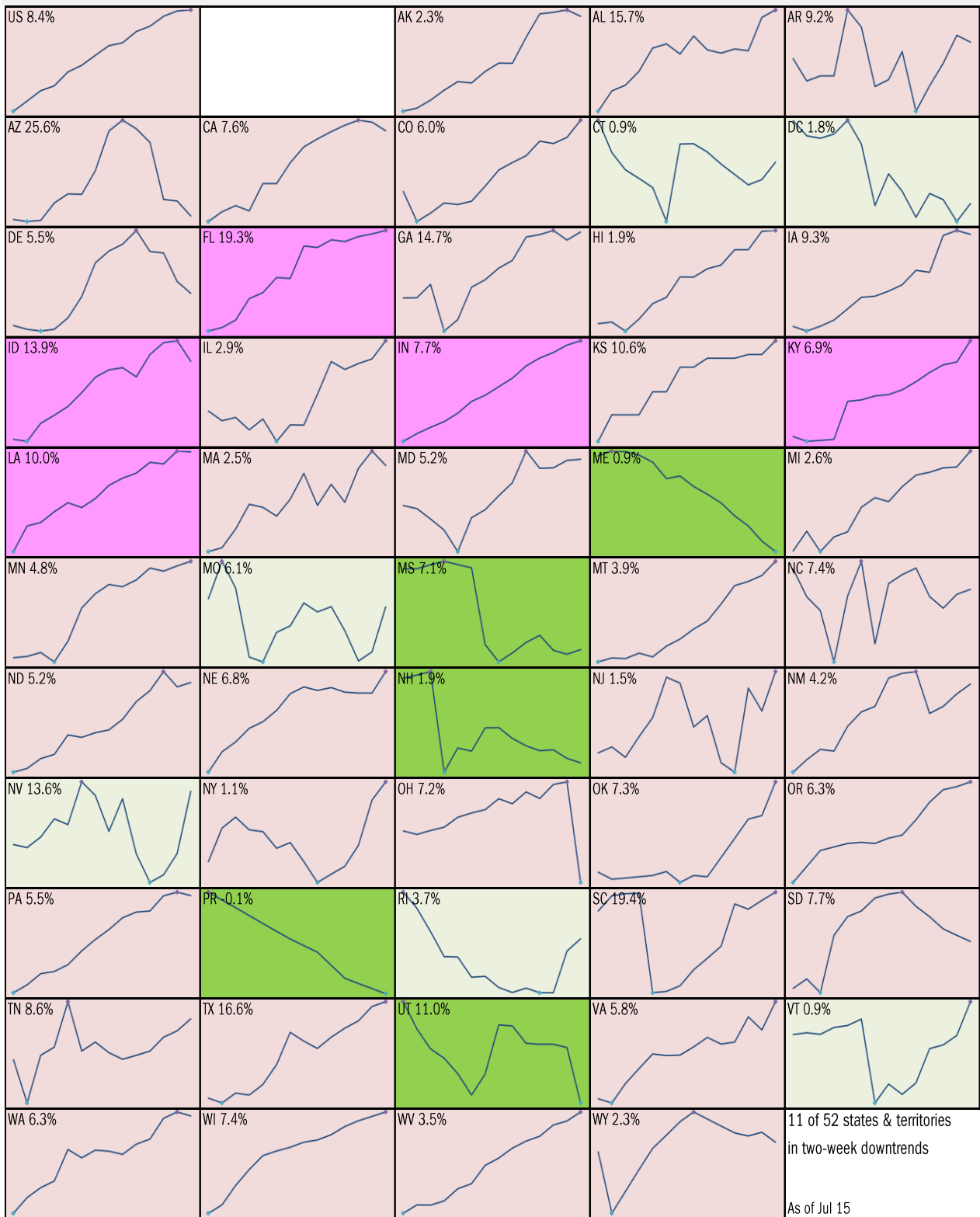


Source: [Covid Tracking Project](#), TrendMacro calculations

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



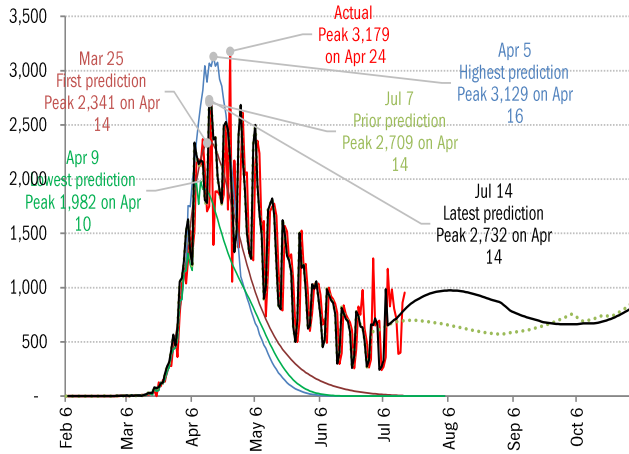
Source: [Covid Tracking Project](#), TrendMacro calculations

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

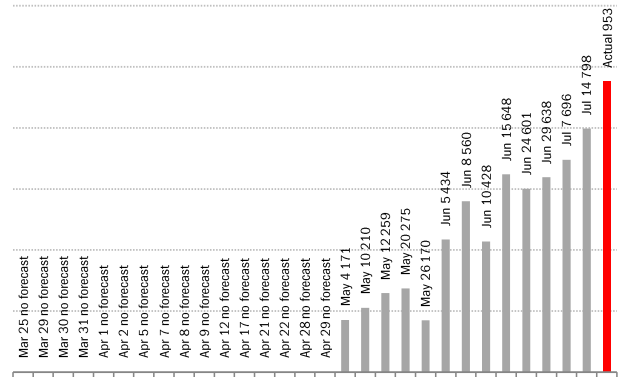
New daily fatalities

As of Jul 16

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

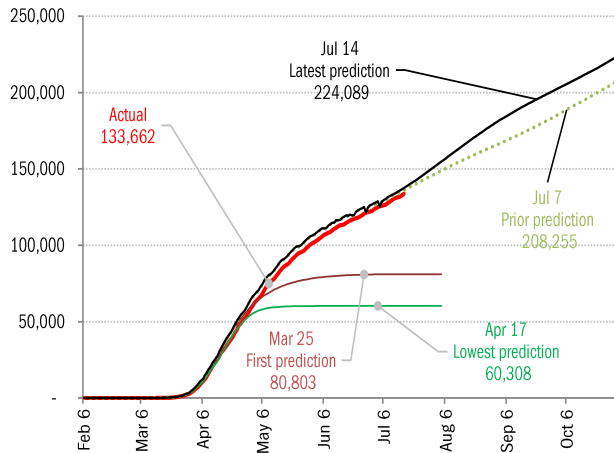


For this day, versus all model mean predictions

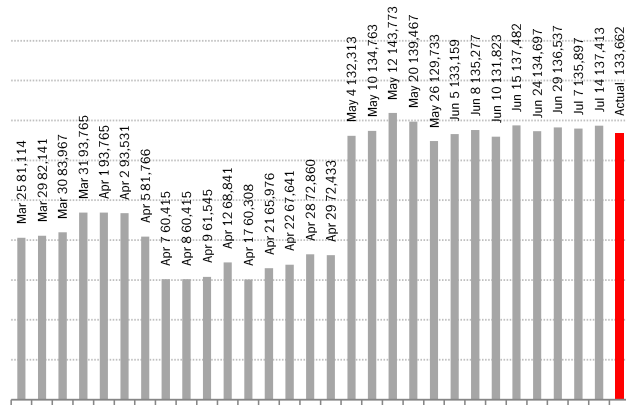


Cumulative fatalities

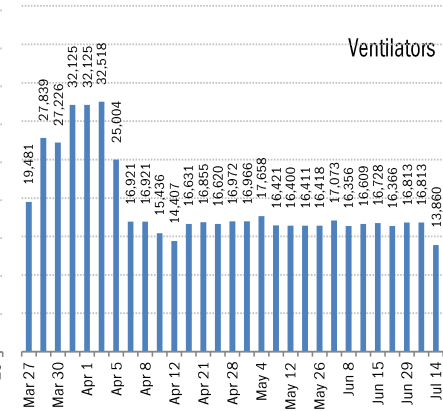
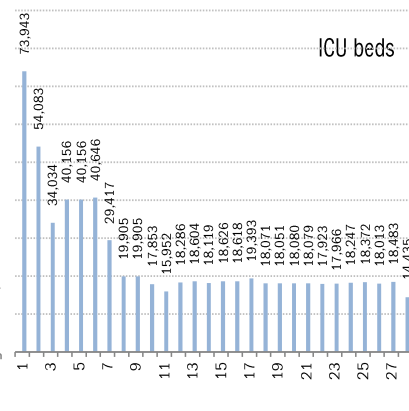
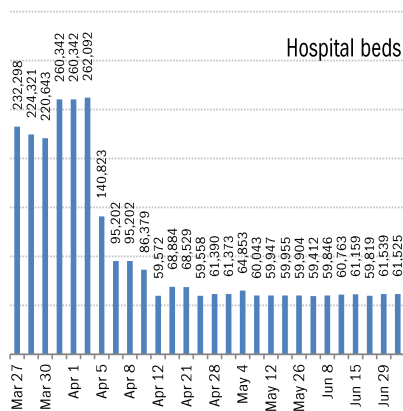
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

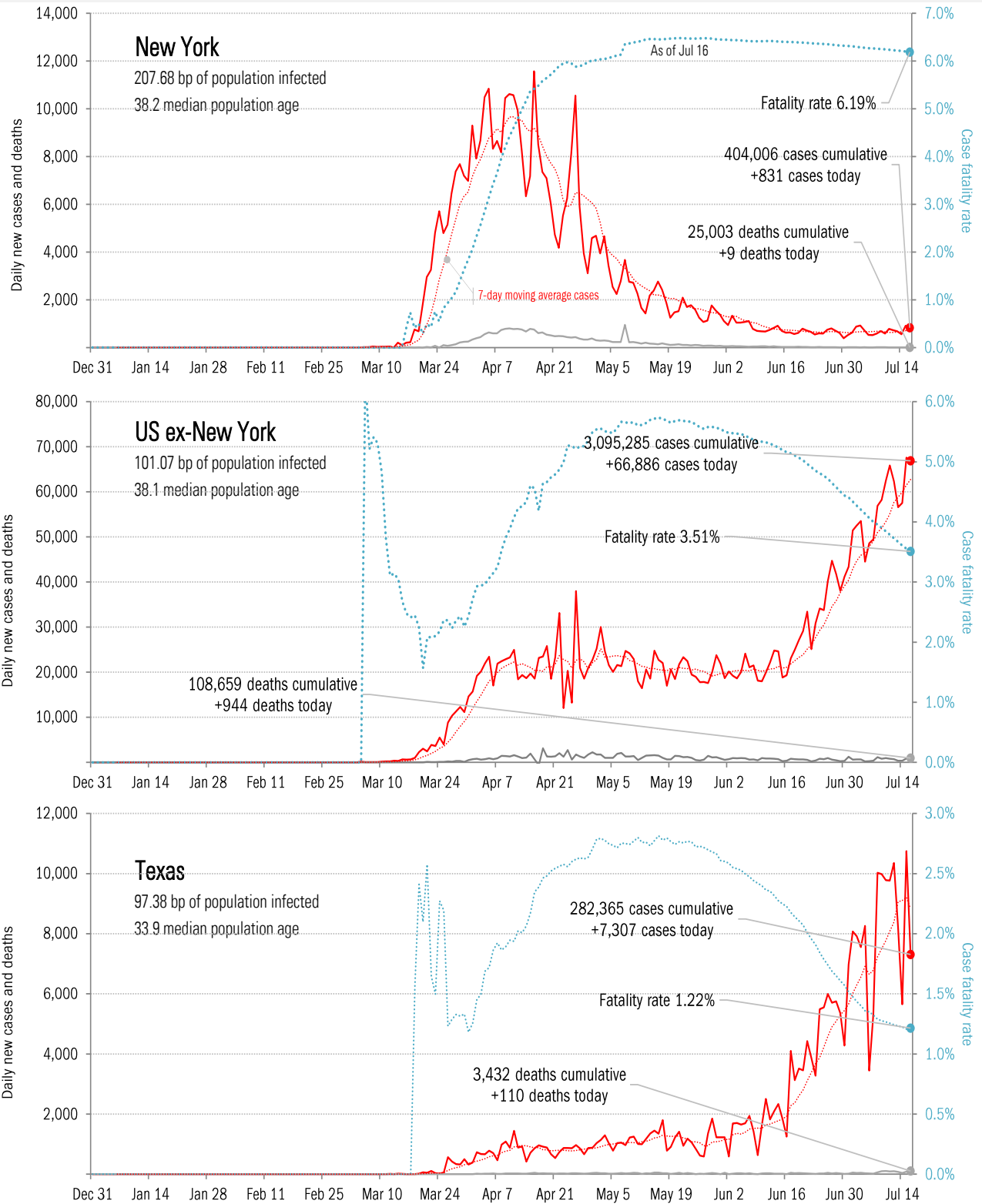


Healthcare system stress, peak estimated at each model revision



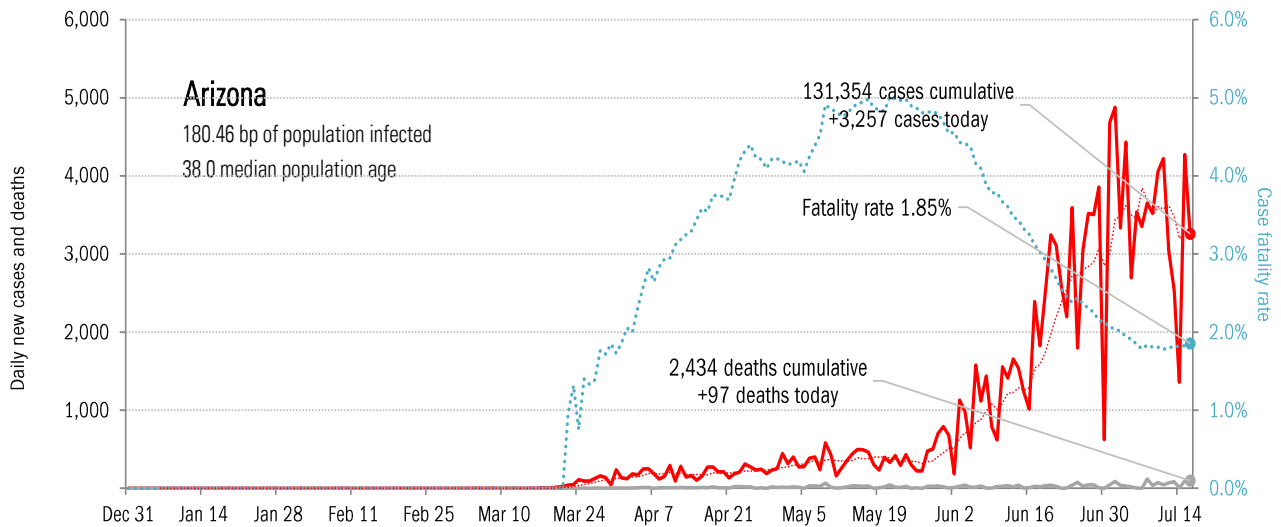
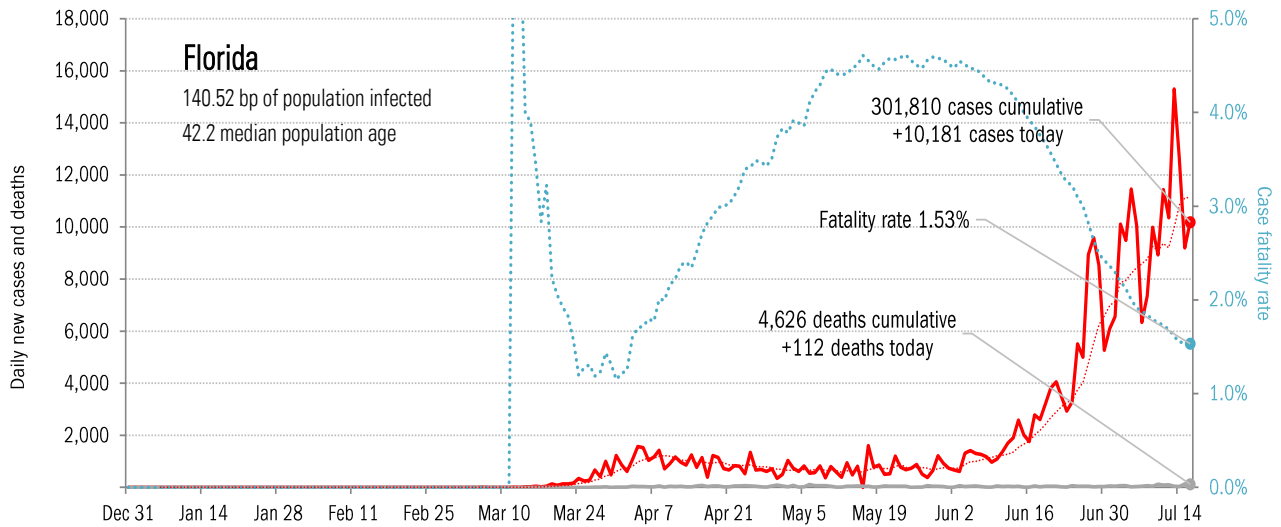
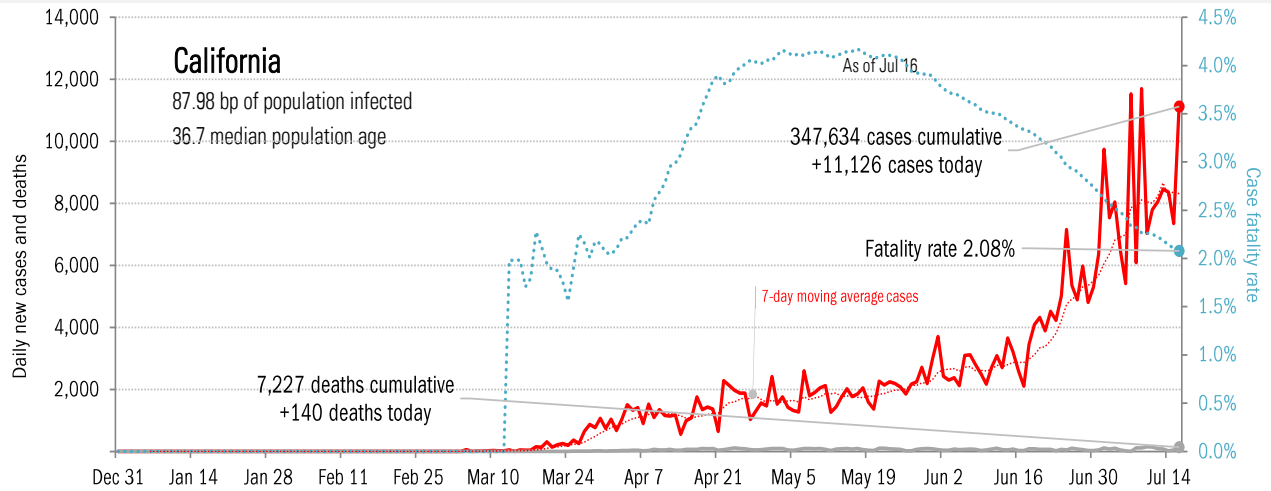
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



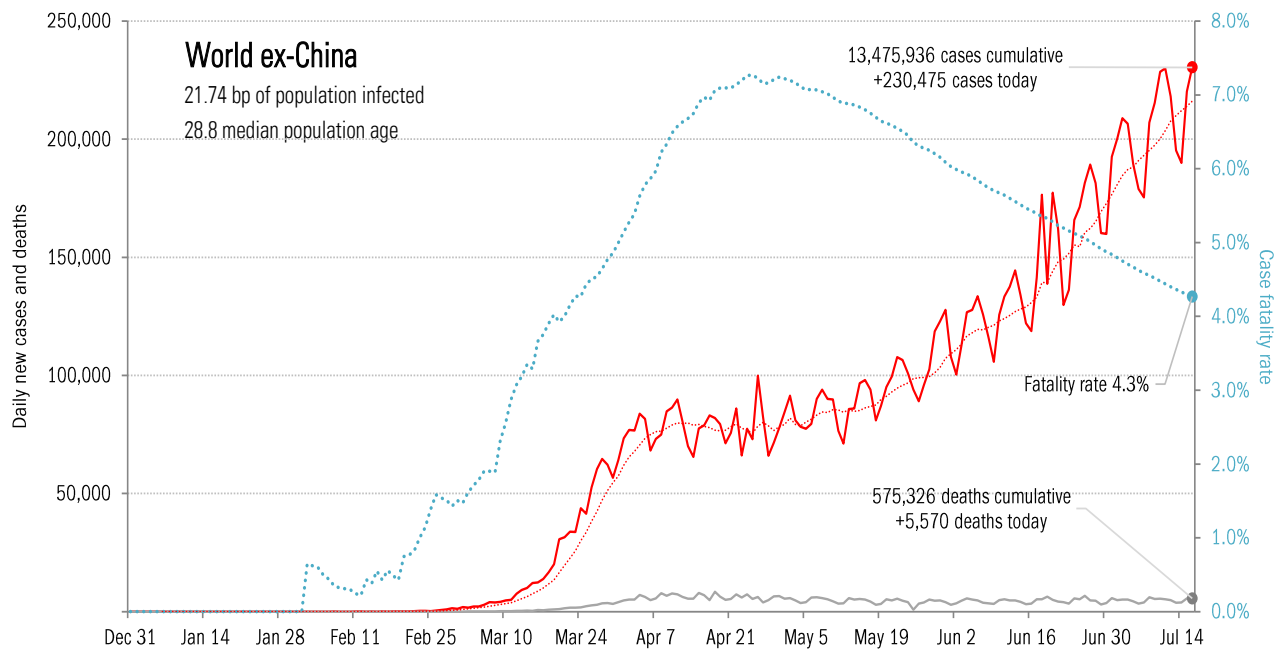
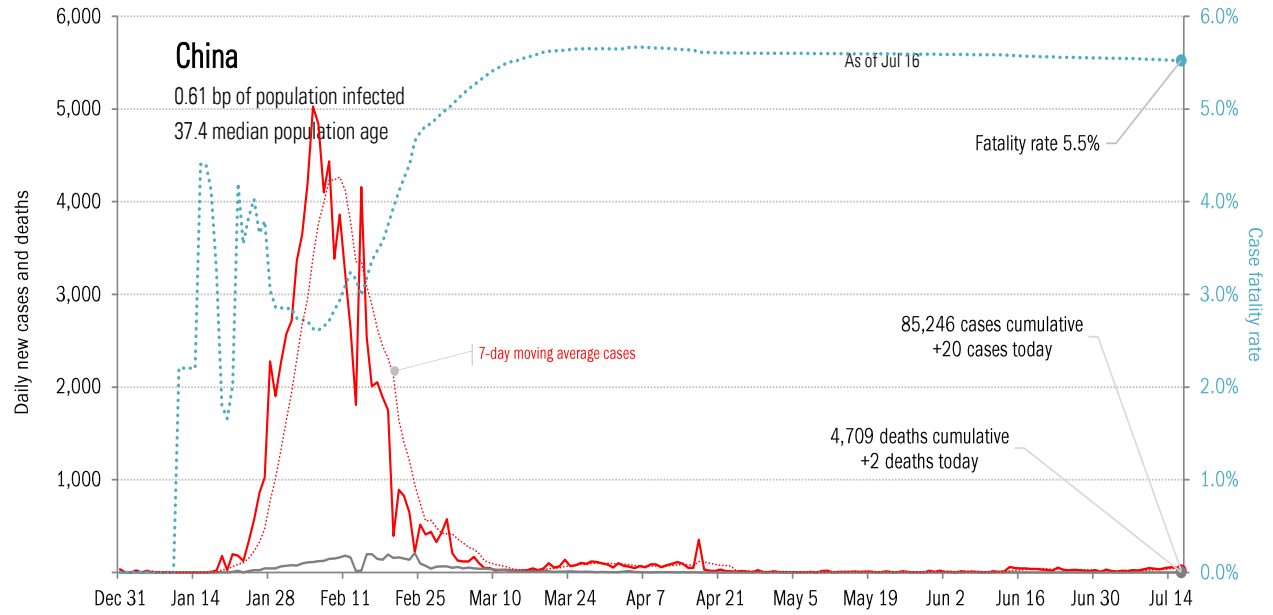
Source: [ECDC](#), TrendMacro calculations

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



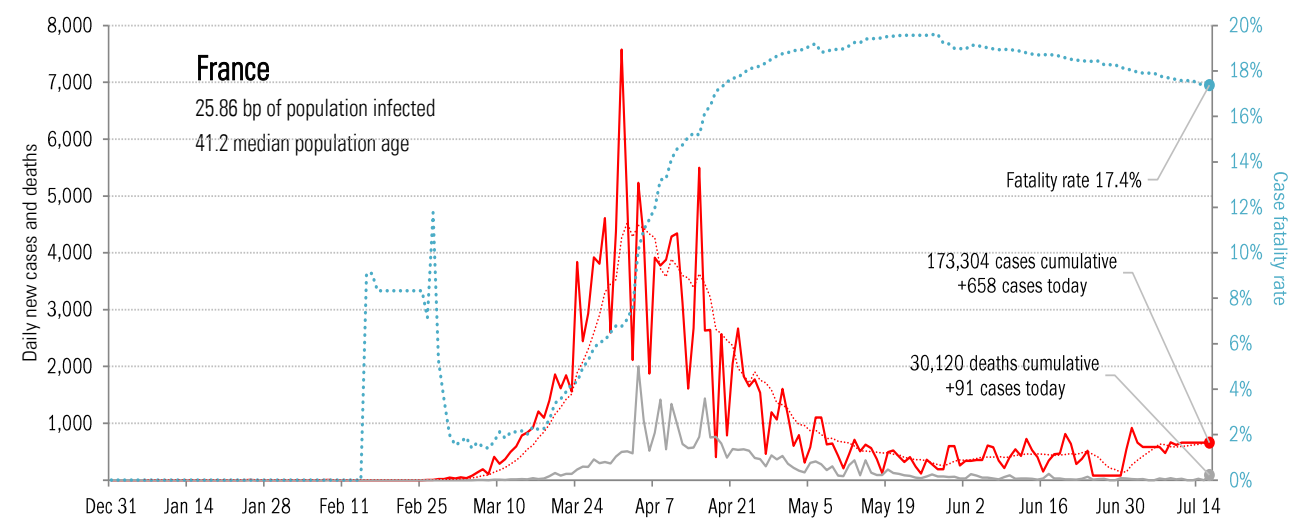
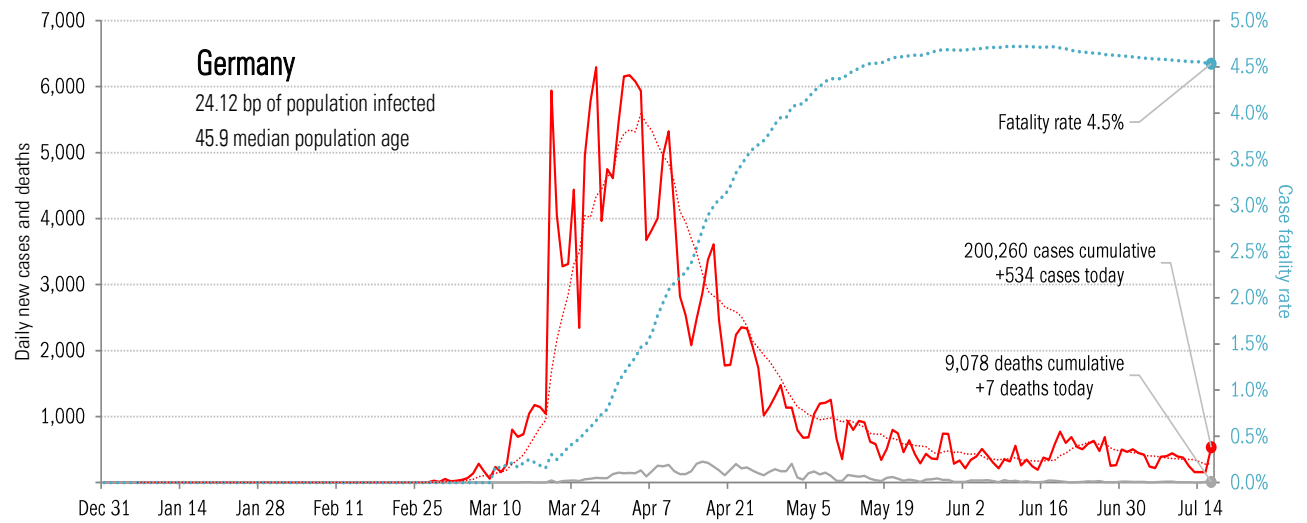
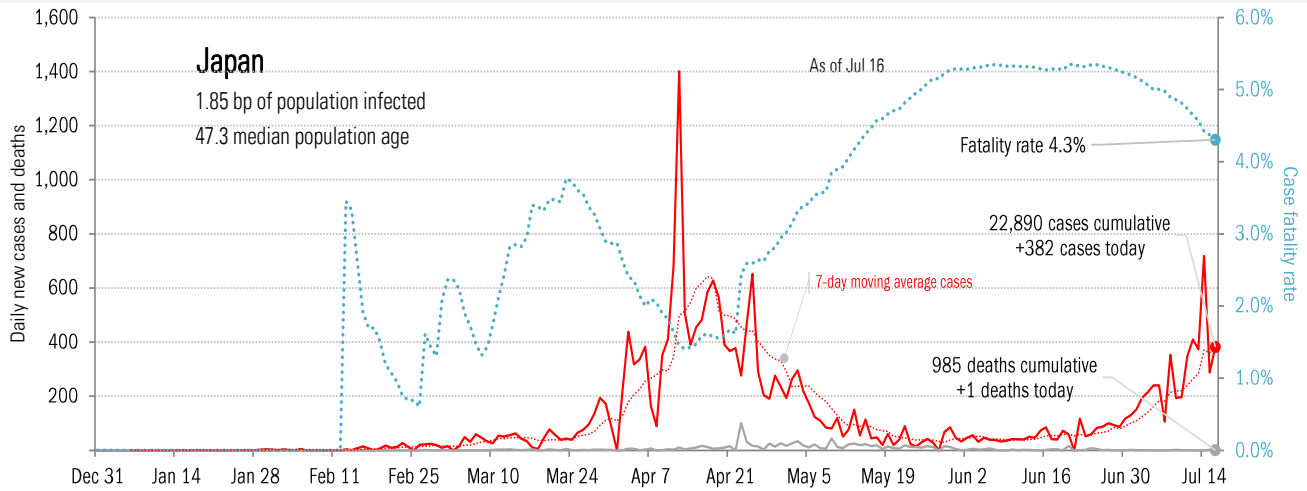
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



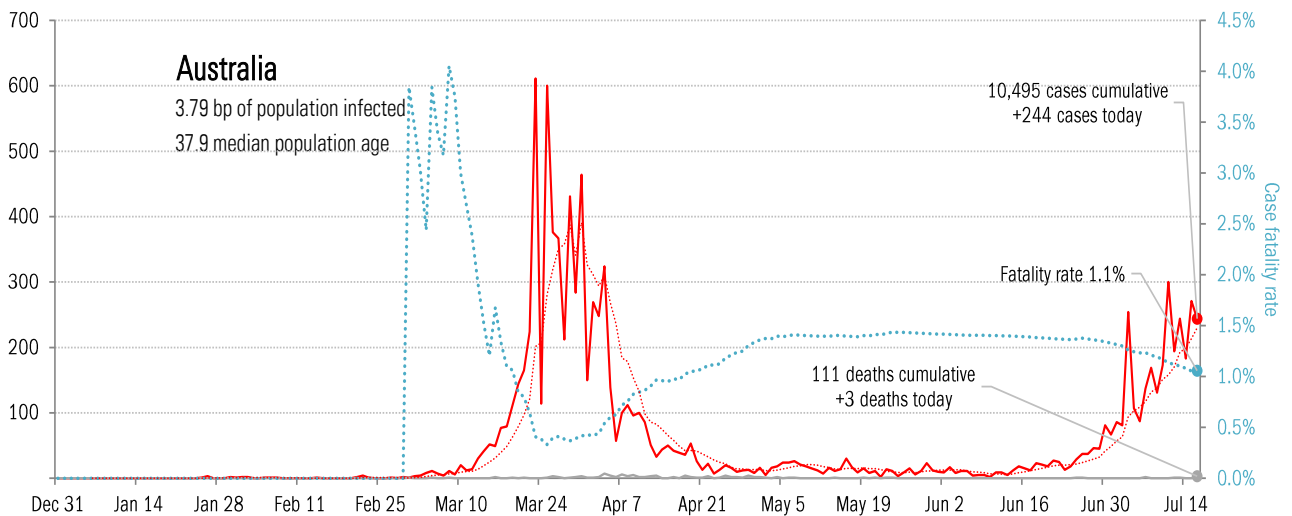
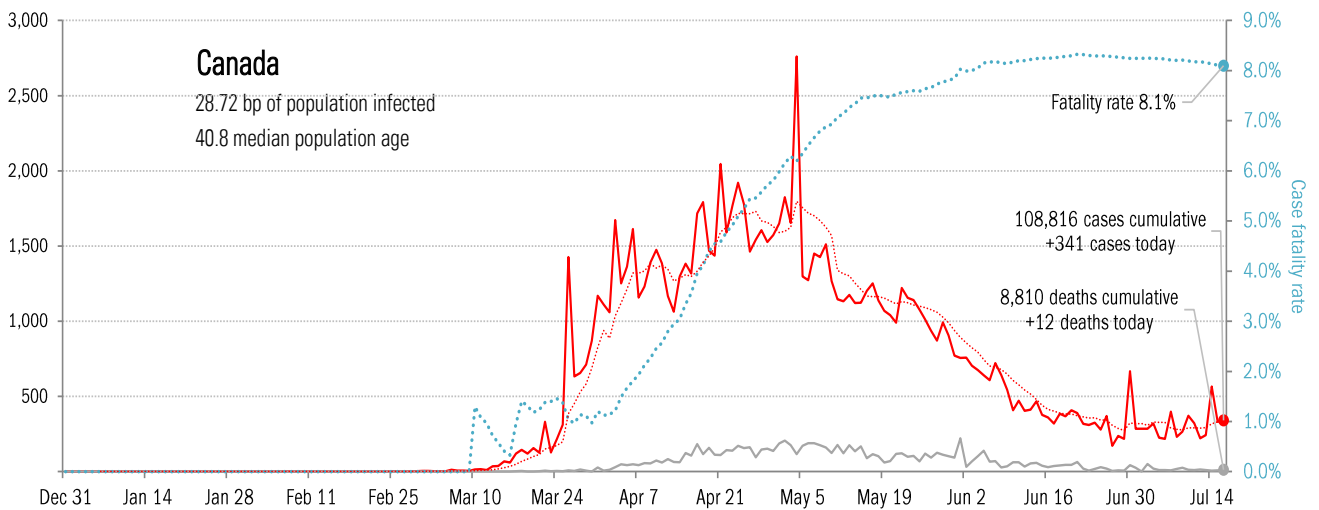
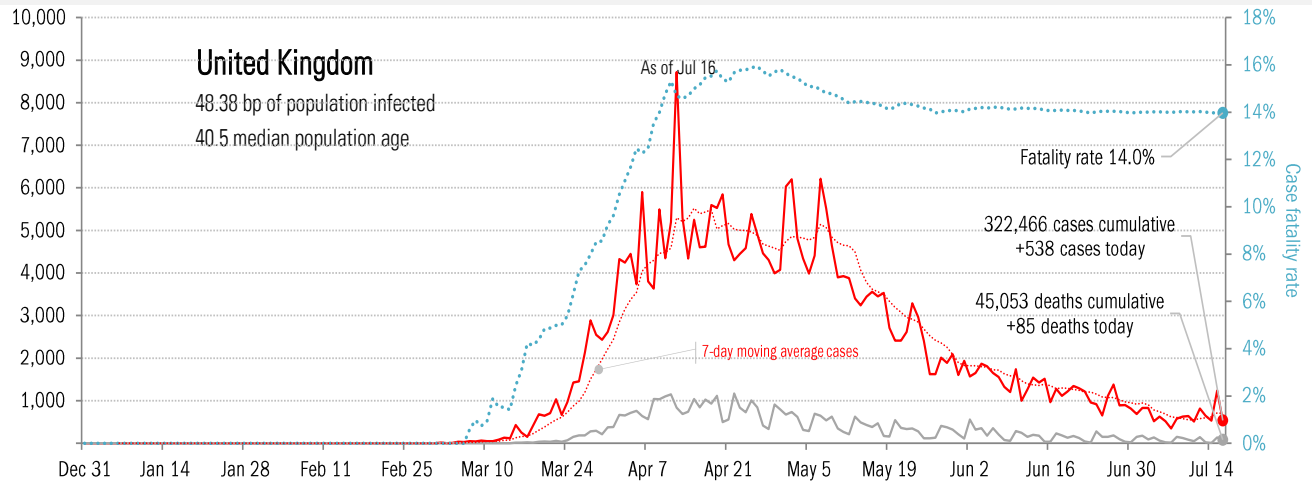
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



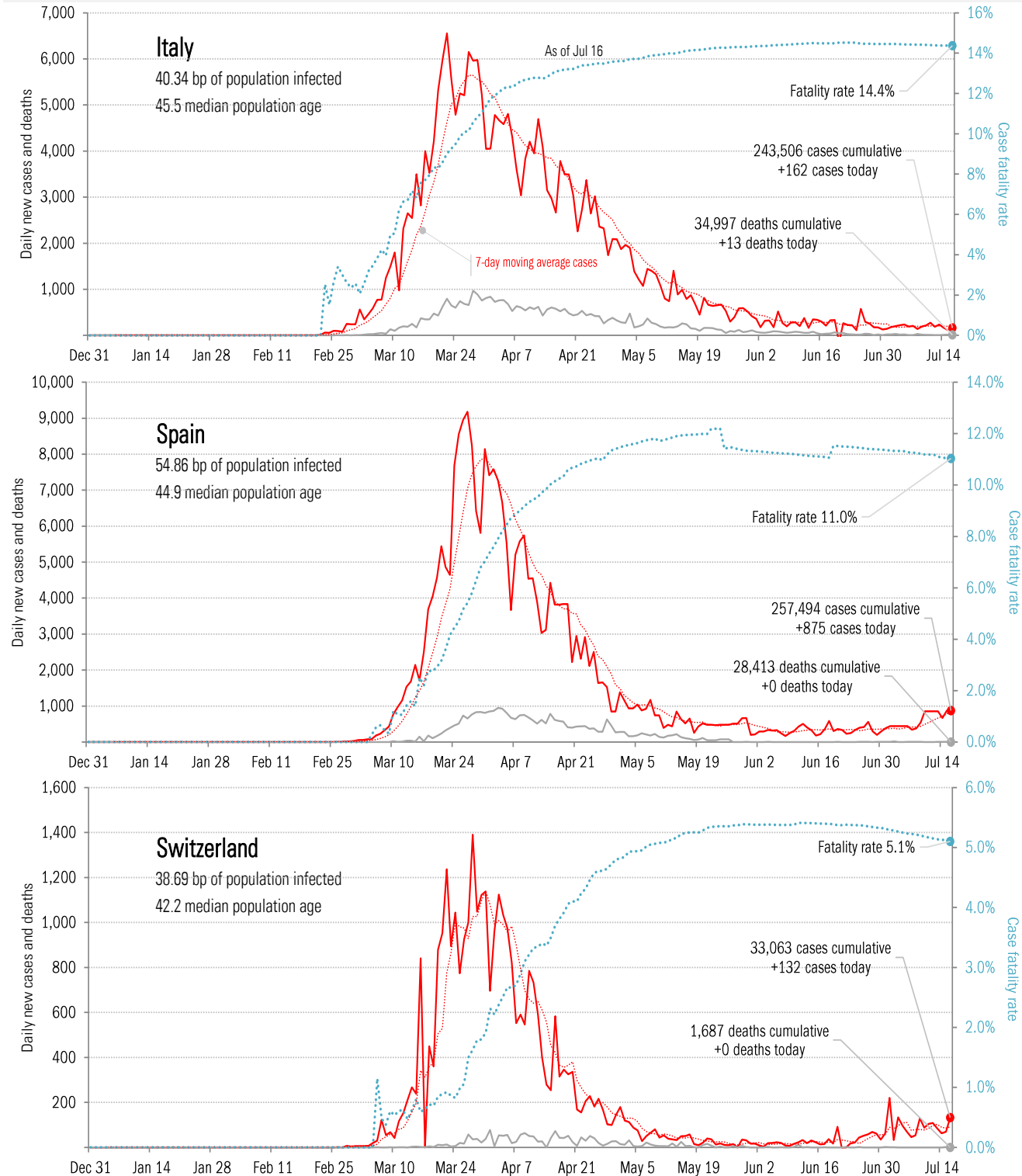
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



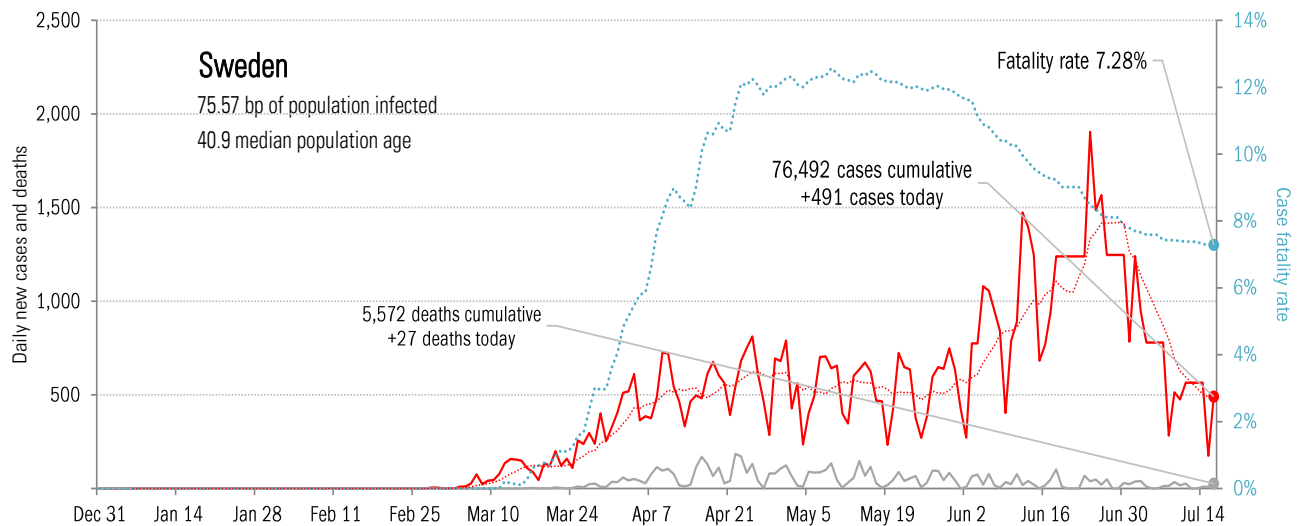
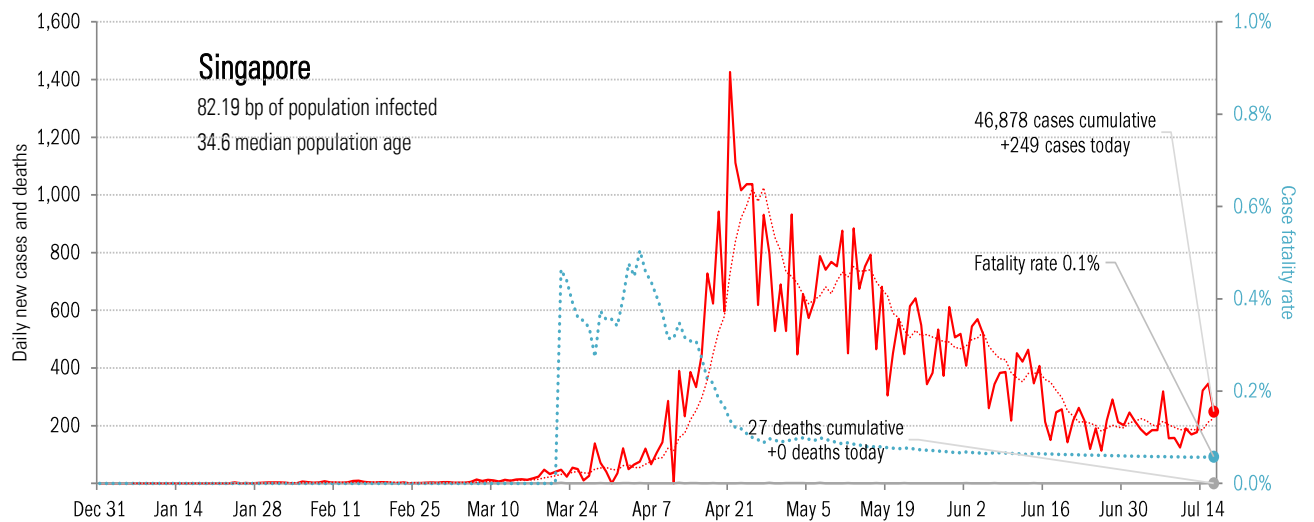
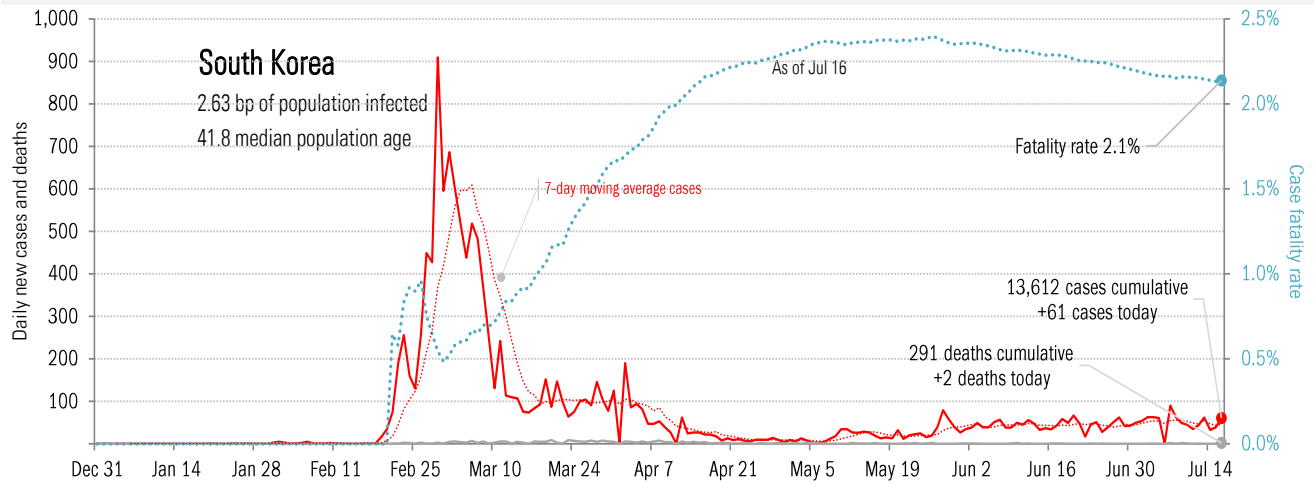
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



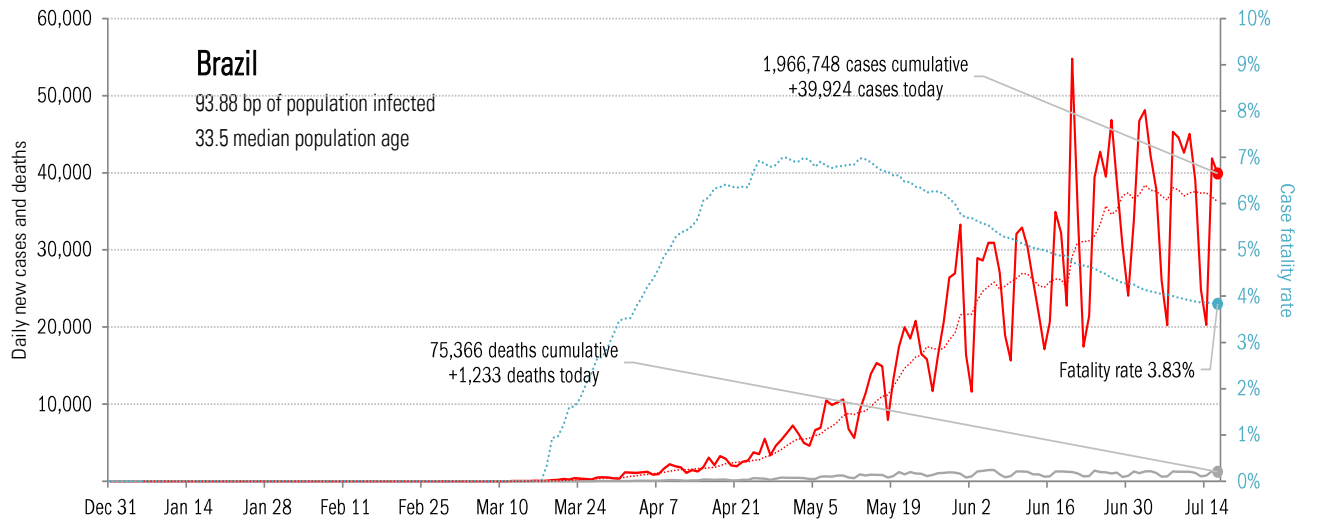
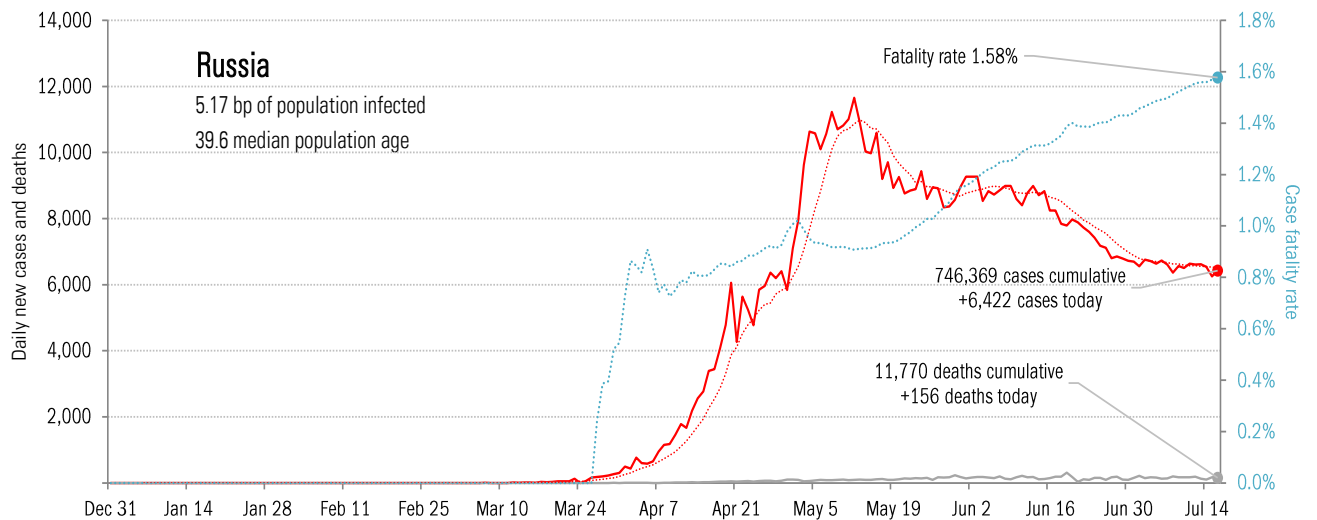
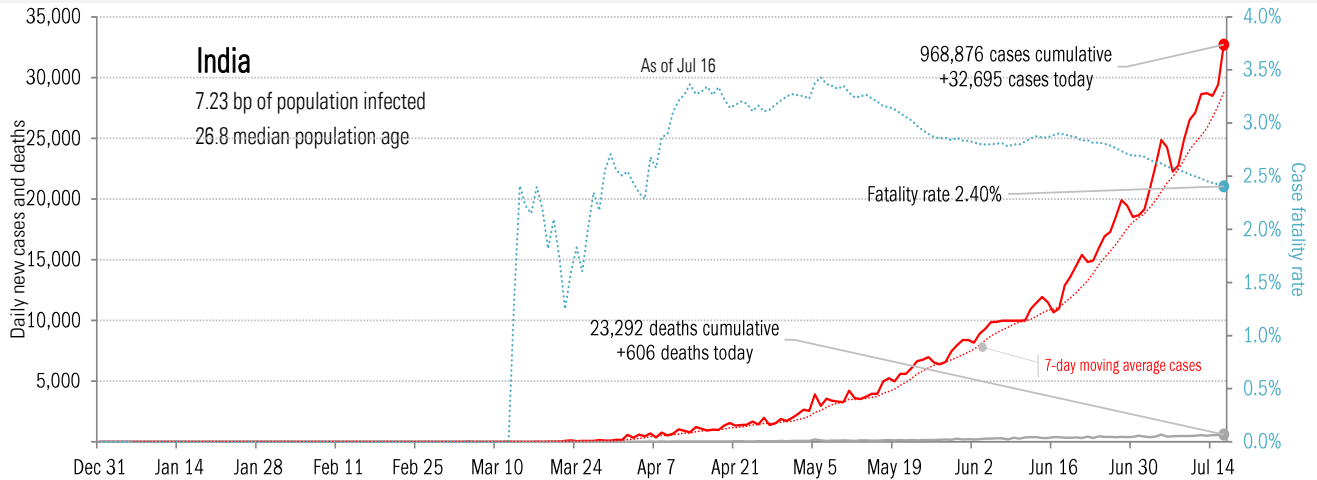
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



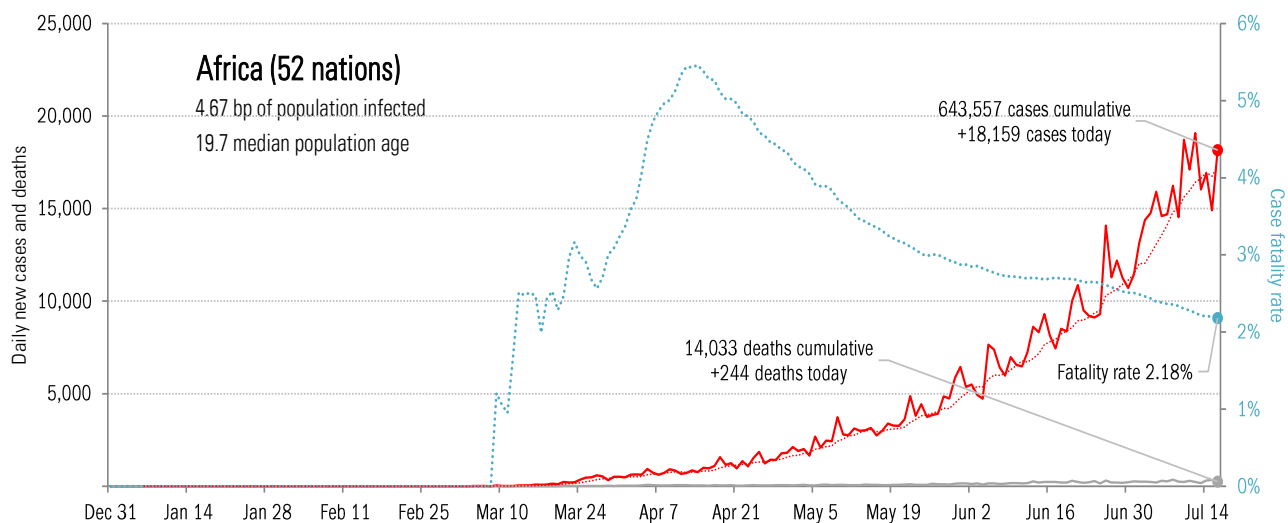
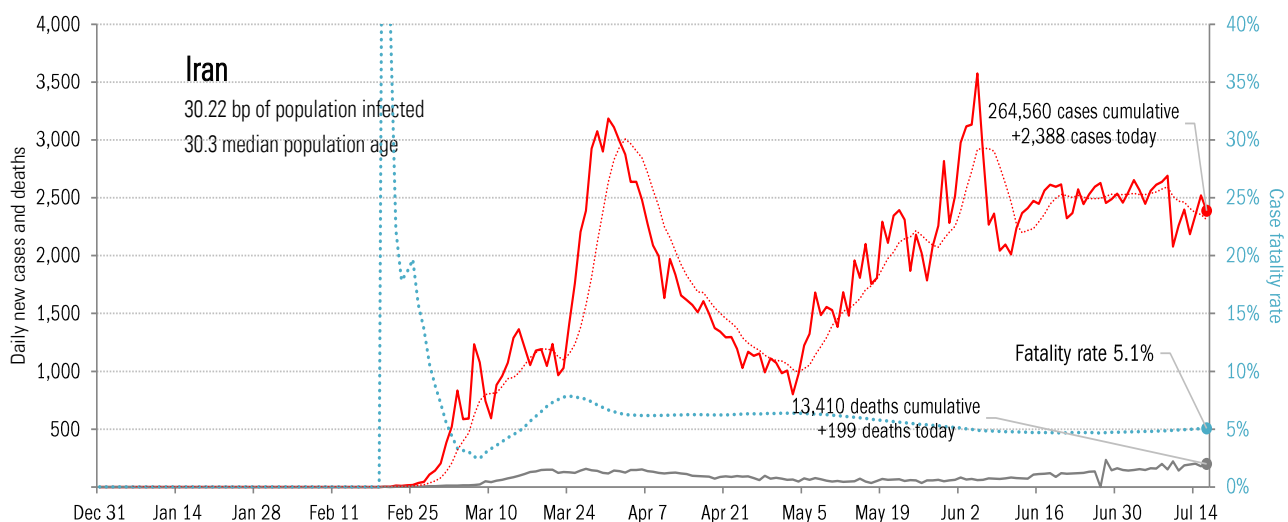
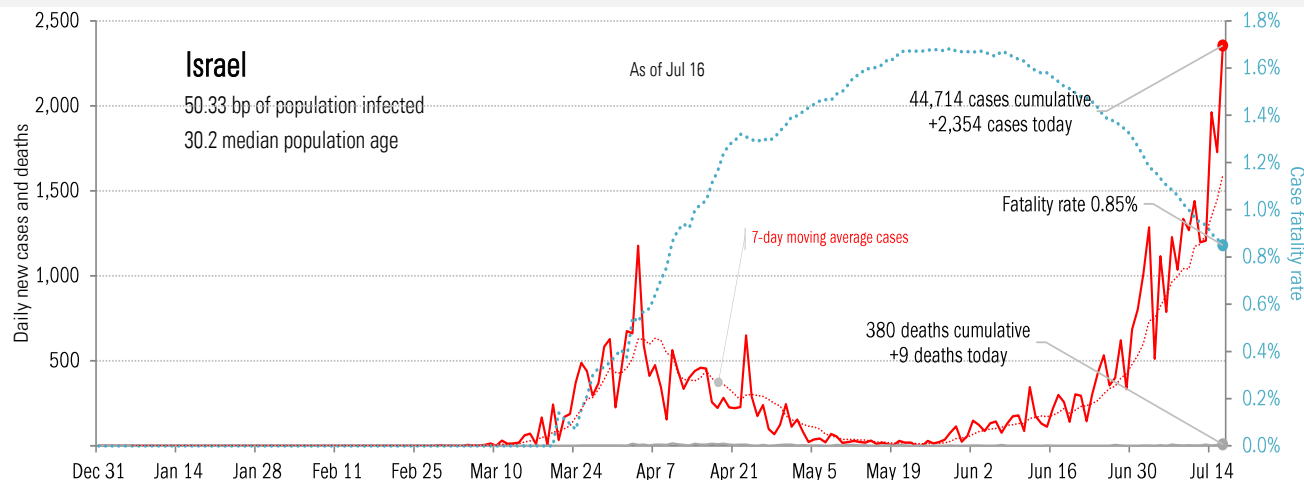
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations