

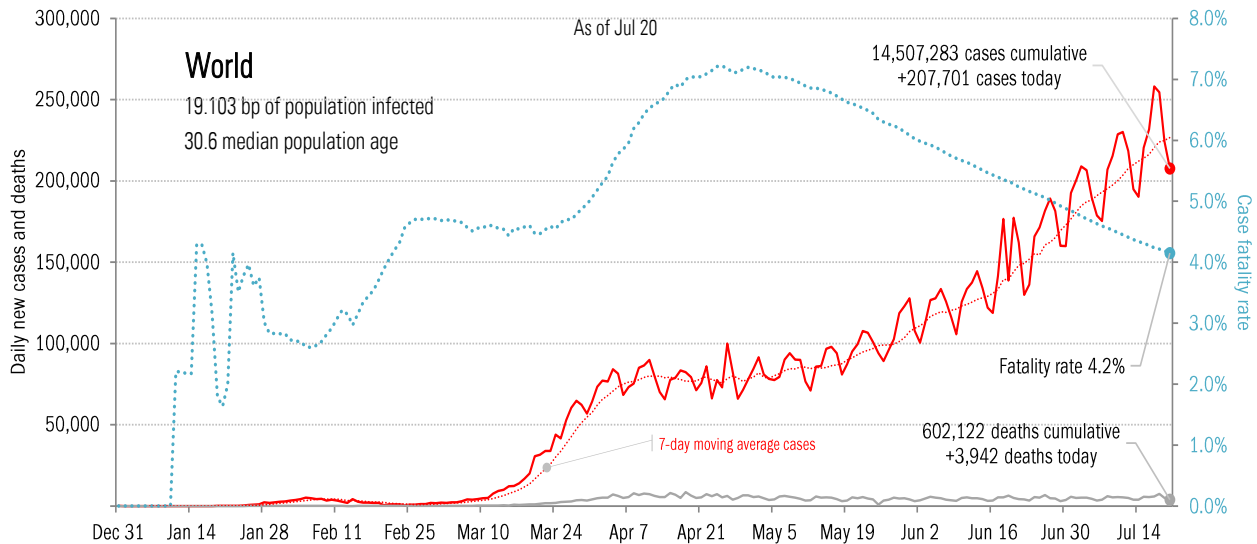
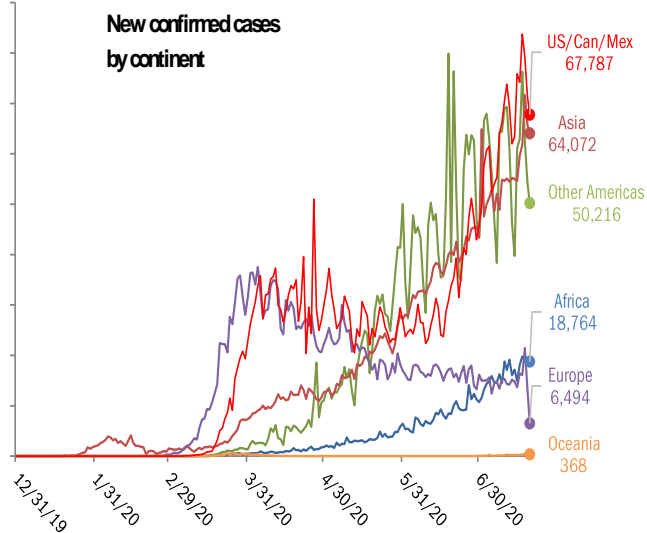
Data Insights: Covid-2019 Monitor

Monday, July 20, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+61,796	Brazil	+716
India	+40,425	India	+681
Brazil	+23,529	US	+415
South_Africa	+13,449	Mexico	+296
Colombia	+6,578	Colombia	+220
Mexico	+5,311	Iran	+209
Chile	+4,391	Peru	+189
Peru	+4,090	Chile	+156
Argentina	+3,223	Indonesia	+127
Saudi	+2,504	Iraq	+90
+165,296		+3,099	
World	+207,701	World	+3,942
Top ten	80%	Top ten	79%



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

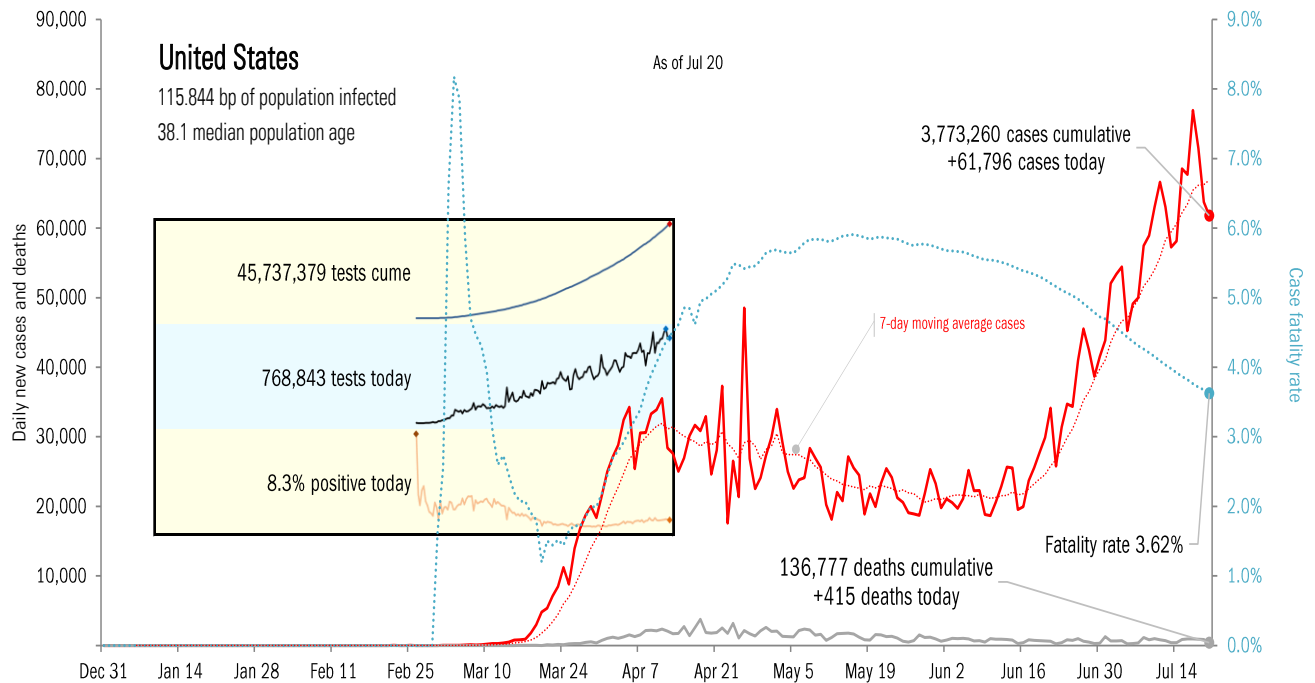
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
FL	+12,478	TX	+93	FL	+340	NY	406,807	NY	25,048	NY	89,995
CA	+9,329	CA	+90	AZ	+65	CA	384,692	NJ	15,706	FL	21,309
TX	+7,300	FL	+89	VA	+61	FL	350,047	MA	8,431	NJ	21,064
GA	+3,251	CH	+42	MD	+53	TX	325,030	CA	7,685	GA	15,010
LA	+3,116	LA	+34	GA	+49	NJ	176,783	IL	7,488	MD	11,841
SC	+2,374	AZ	+31	WA	+49	IL	162,750	PA	7,015	MA	11,717
AZ	+2,359	SC	+20	AR	+42	AZ	143,624	MI	6,366	VA	11,203
NC	+1,820	NY	+13	CH	+42	GA	143,123	FL	5,091	CT	10,654
TN	+1,779	MA	+12	IN	+34	MA	113,534	CT	4,396	CH	9,555
AL	+1,777	WA	+10	TN	+32	PA	101,027	TX	3,958	IN	7,895
+45,583		+434		+767		2,307,417		91,184		210,243	
All states	+63,907	All states	+523	All states	+939	All states	3,755,968	All states	132,918	All states	277,378
Top ten	71%	Top ten	83%	Top ten	82%	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	-2,858	AZ	-116	GA	-265	TX	+3,355
GA	-1,438	TX	-37	AL	-198	CH	+806
TN	-738	GA	-31	FL	-103	MN	+691
CK	-707	CA	-30	AZ	-100	WI	+624
NC	-661	AL	-20	CK	-73	TN	+613



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

Recommended reading

[Public Health England's exaggerated death statistics are a scandal that has fed fear](#)

Matthew Lesh
Daily Telegraph
July 17, 2020

[UK pauses daily coronavirus death toll update over data concerns](#)

Reuters
July 18, 2020

[The COVID Coup](#)

Angelo Codevilla
The American Mind
July 17, 2020

[Brazil's Bolsonaro Tells Supporters Anti-Virus Measures Kill](#)

Matthew Malinowski
Bloomberg
July 18, 2020

[Fauci says he's 'cautiously optimistic' U.S. on track to getting coronavirus under control](#)

Robert Schroeder
MarketWatch
July 18, 2020

[As \\$600-a-Week Jobless Aid Nears End, Congress Faces a Quandary](#)

Eric Morath and Te-Ping Chen
Wall Street Journal
July 19, 2020

[Desperate Parents Pay Whatever They Can to Escape Online Schools](#)

Marin Wolf and Leslie Patton
Bloomberg
July 16, 2020

[Broken seal: Victoria investigates quarantine breaches](#)

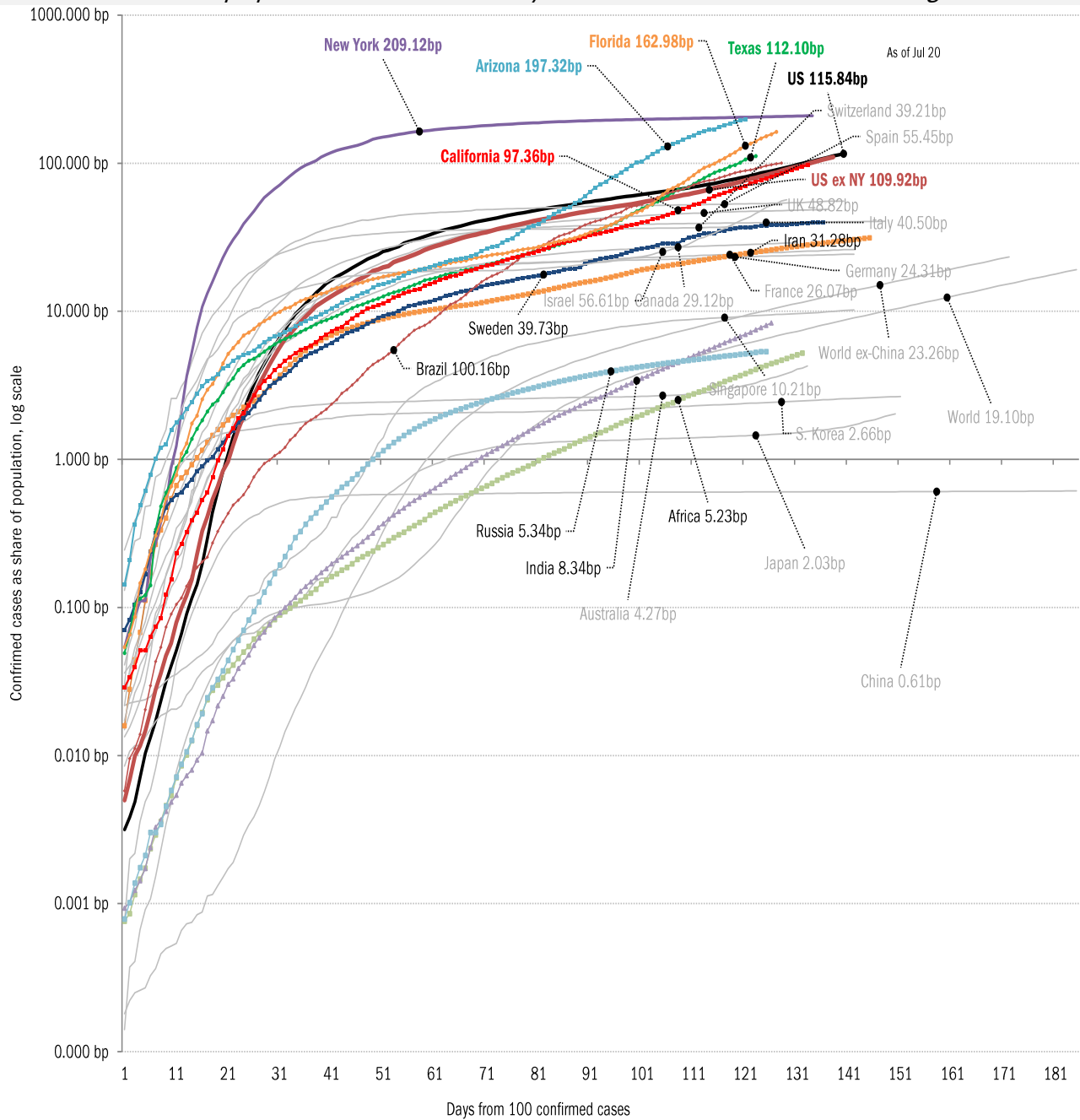
The Economist
July 20, 2020

Meme of the day



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

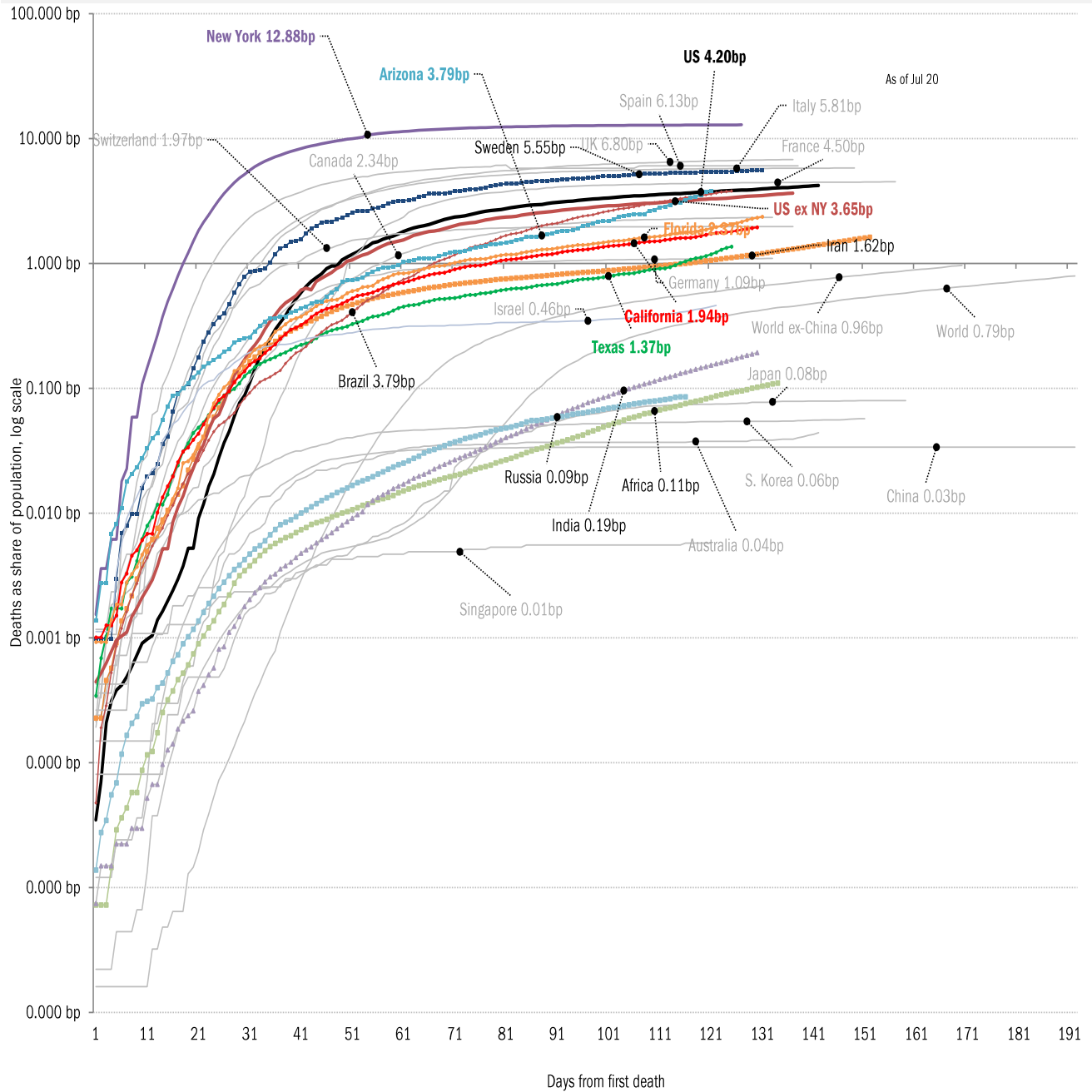
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

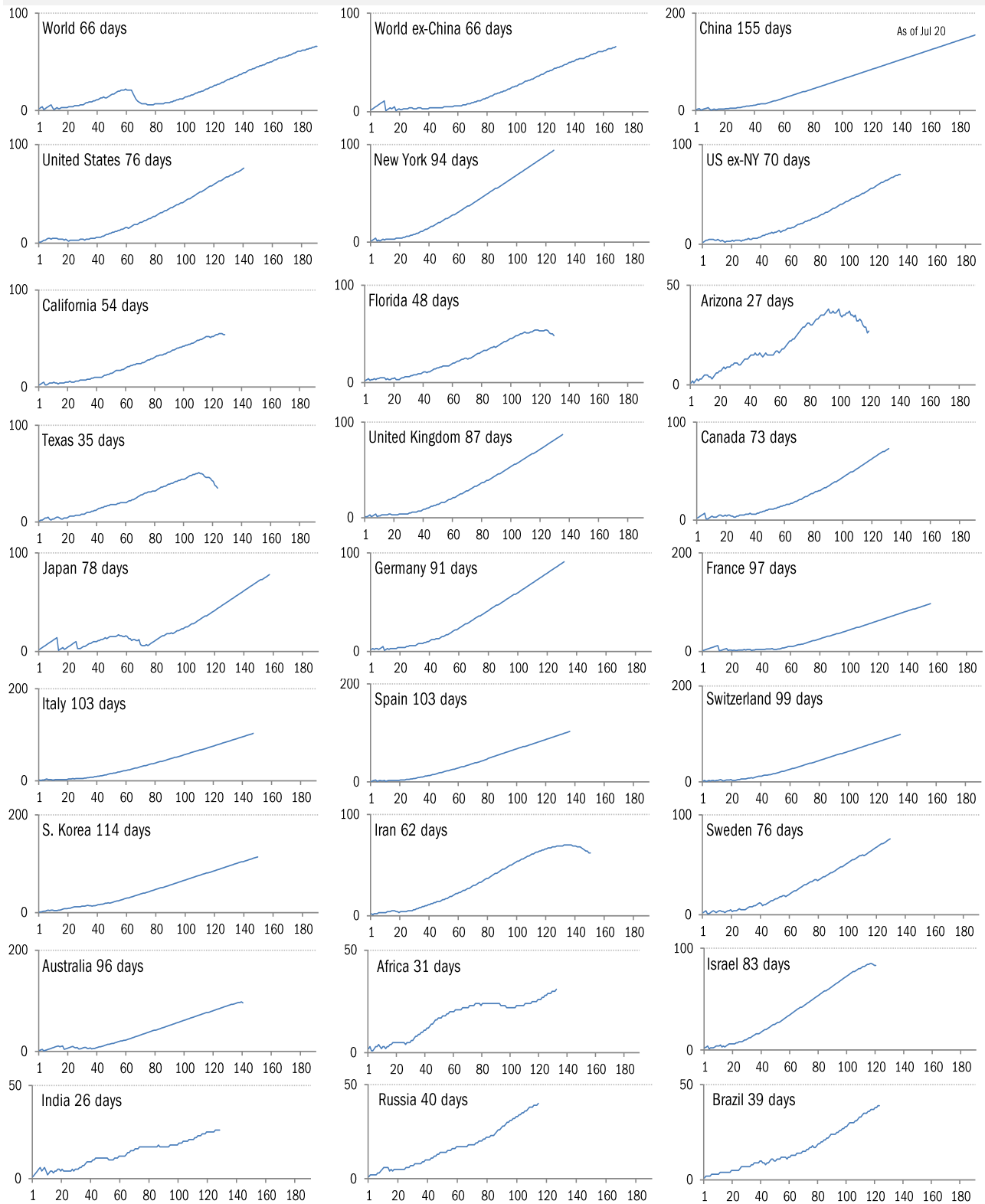
Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

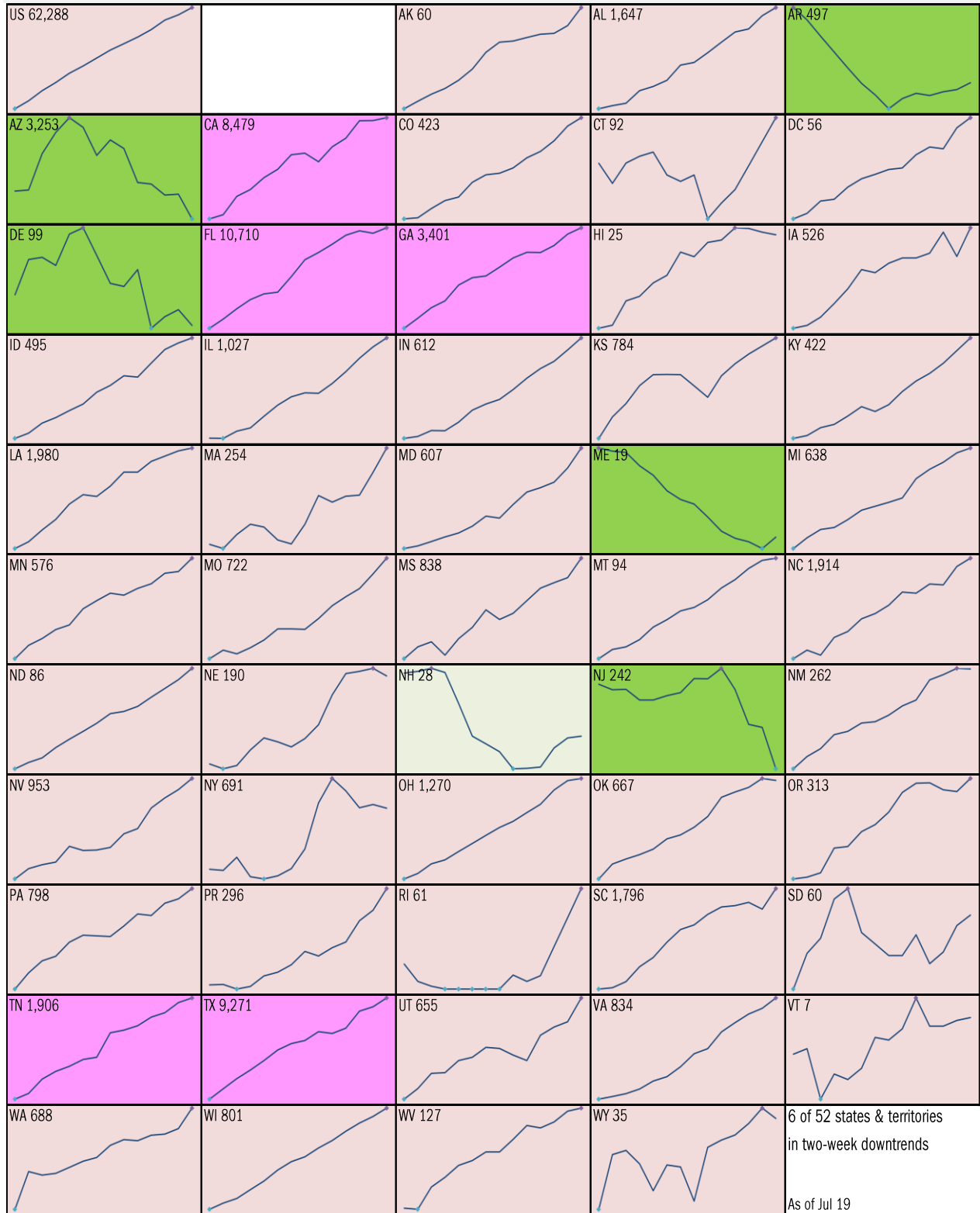
Our most reliable evidence of slowing exponential growth of Covid-2019

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

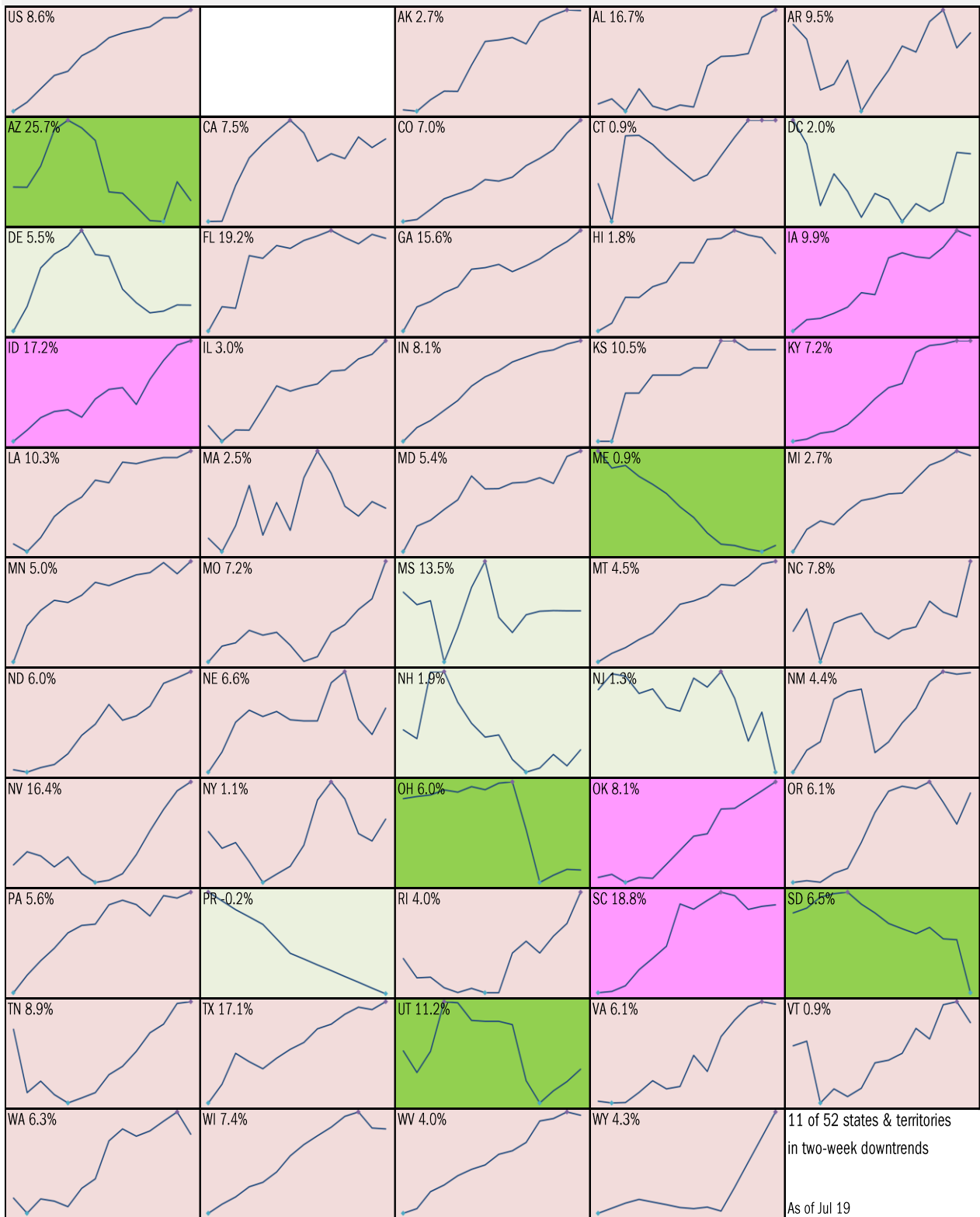


Source: [Covid Tracking Project](#), TrendMacro calculations

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



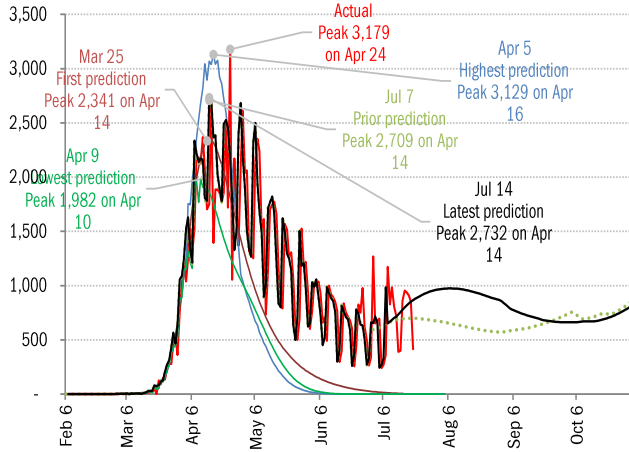
Source: [Covid Tracking Project](#), TrendMacro calculations

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

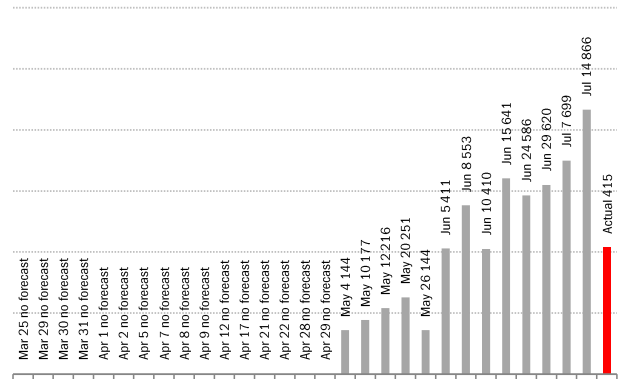
New daily fatalities

As of Jul 20

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

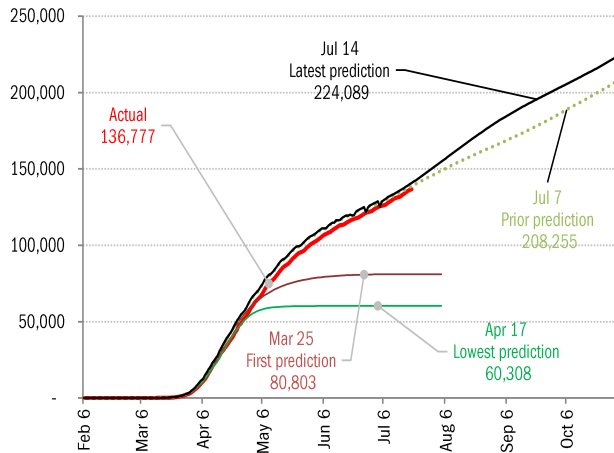


For this day, versus all model mean predictions

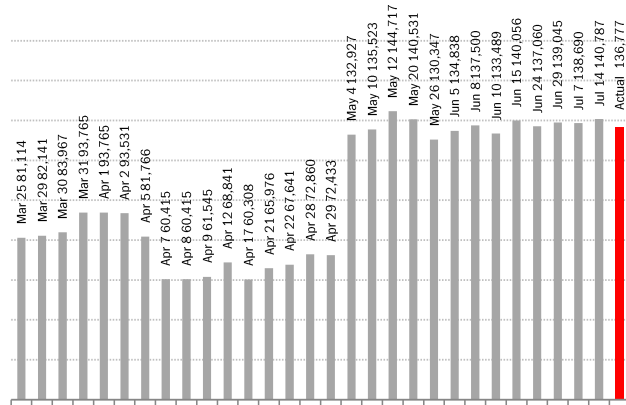


Cumulative fatalities

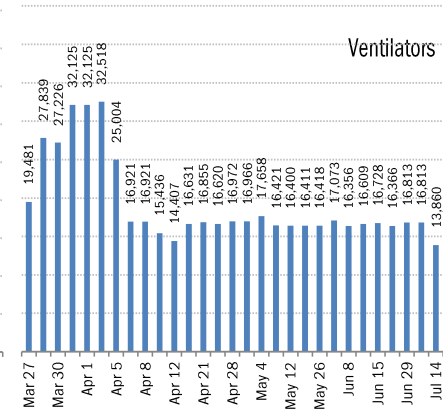
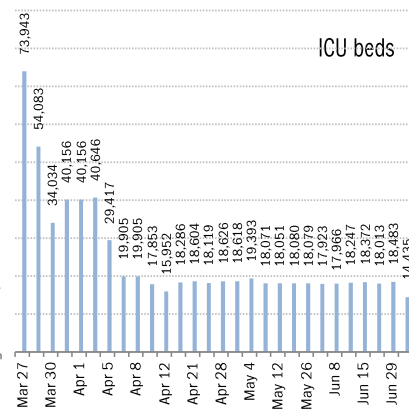
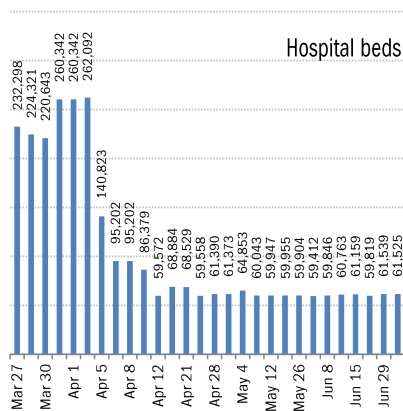
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

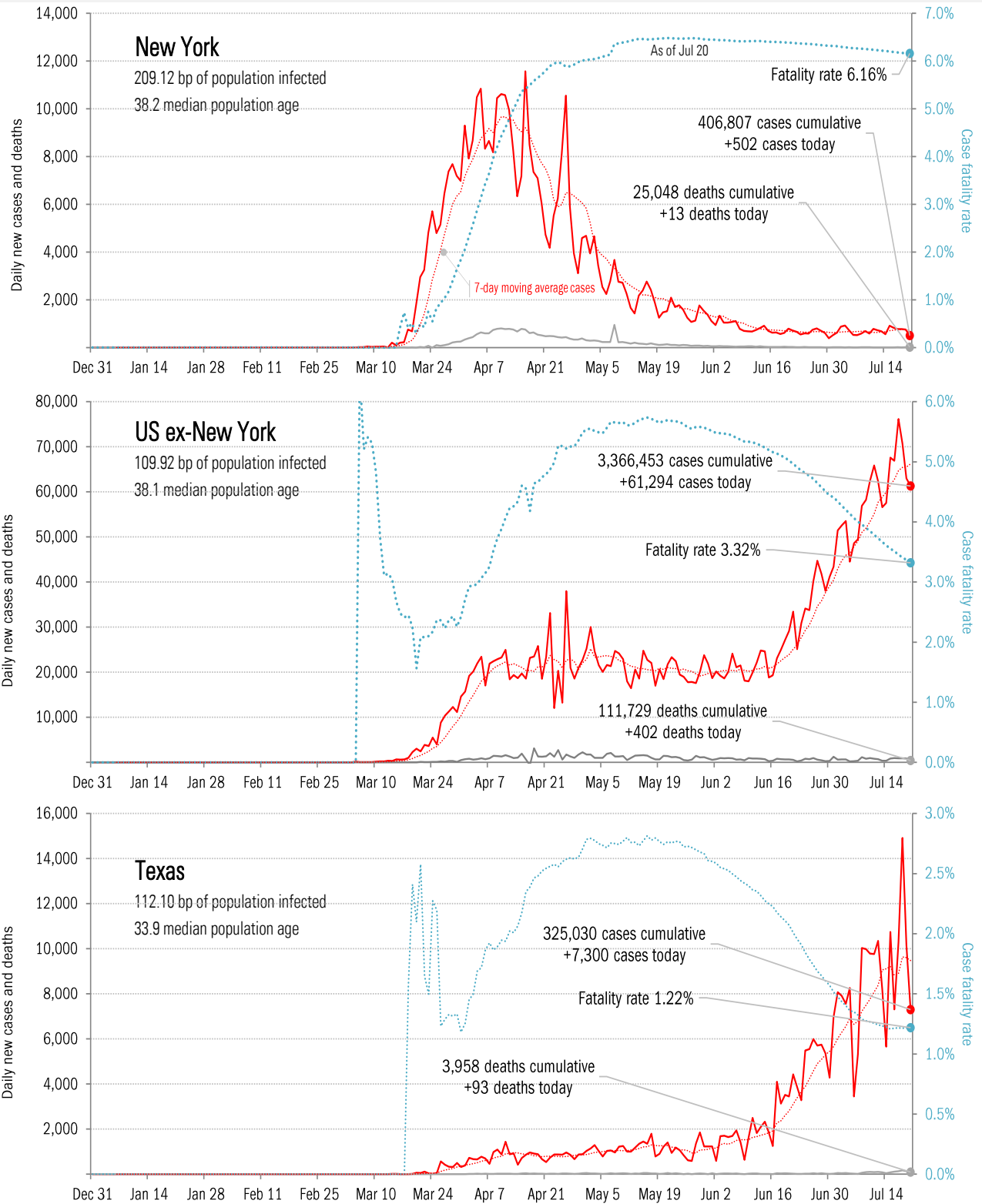


Healthcare system stress, peak estimated at each model revision



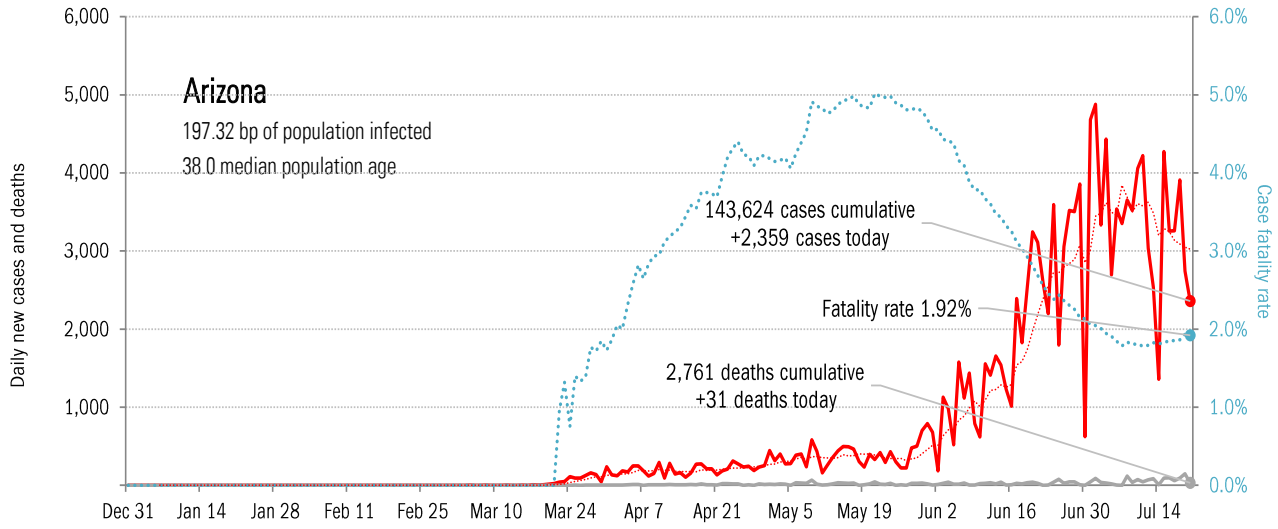
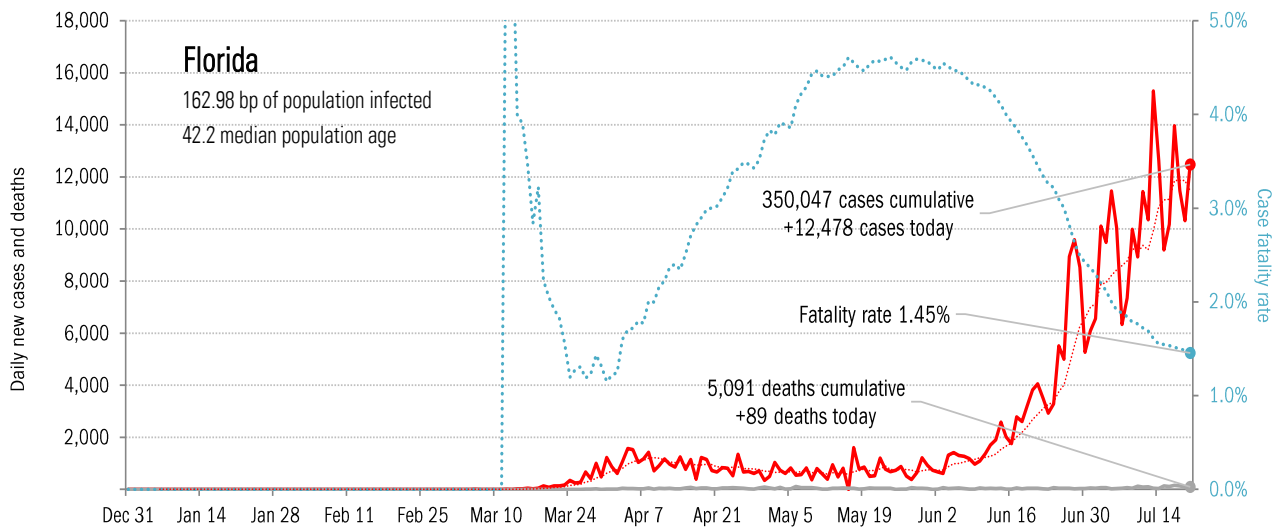
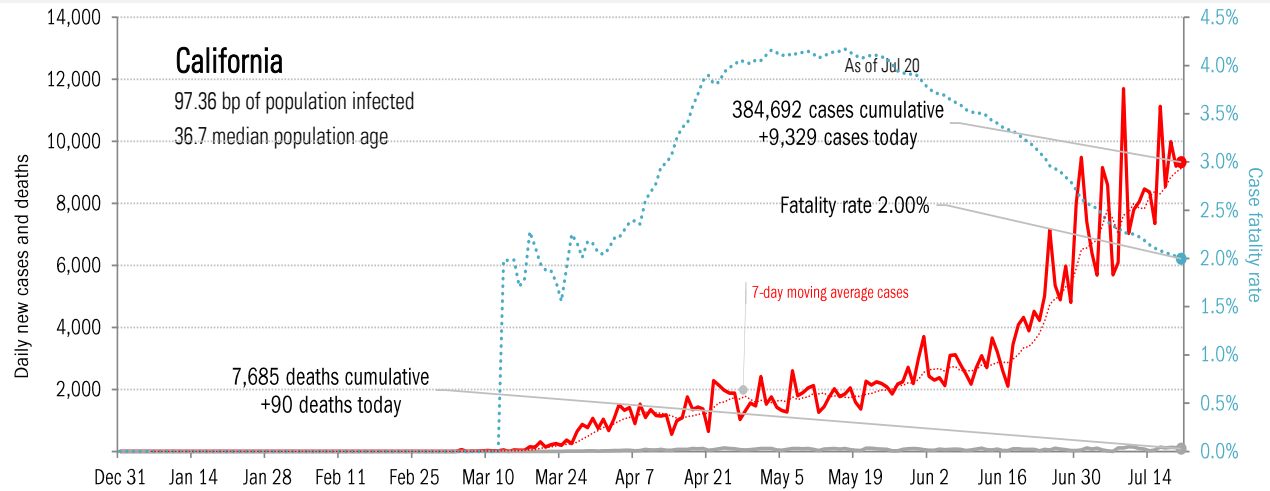
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



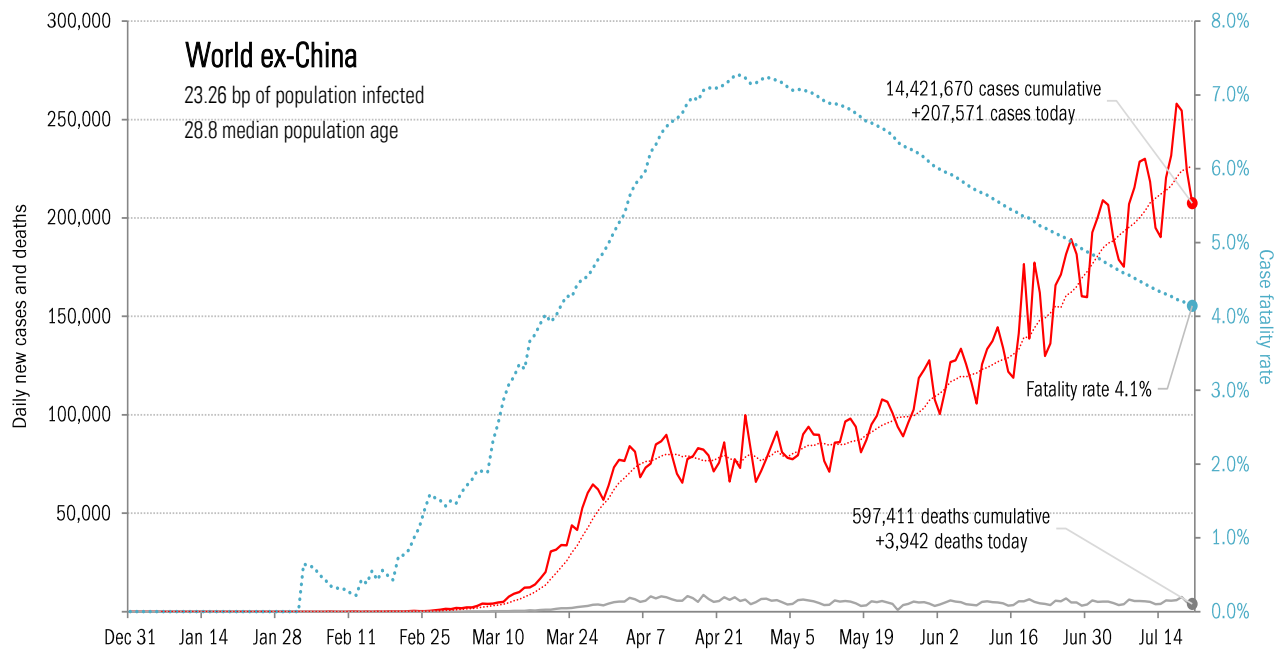
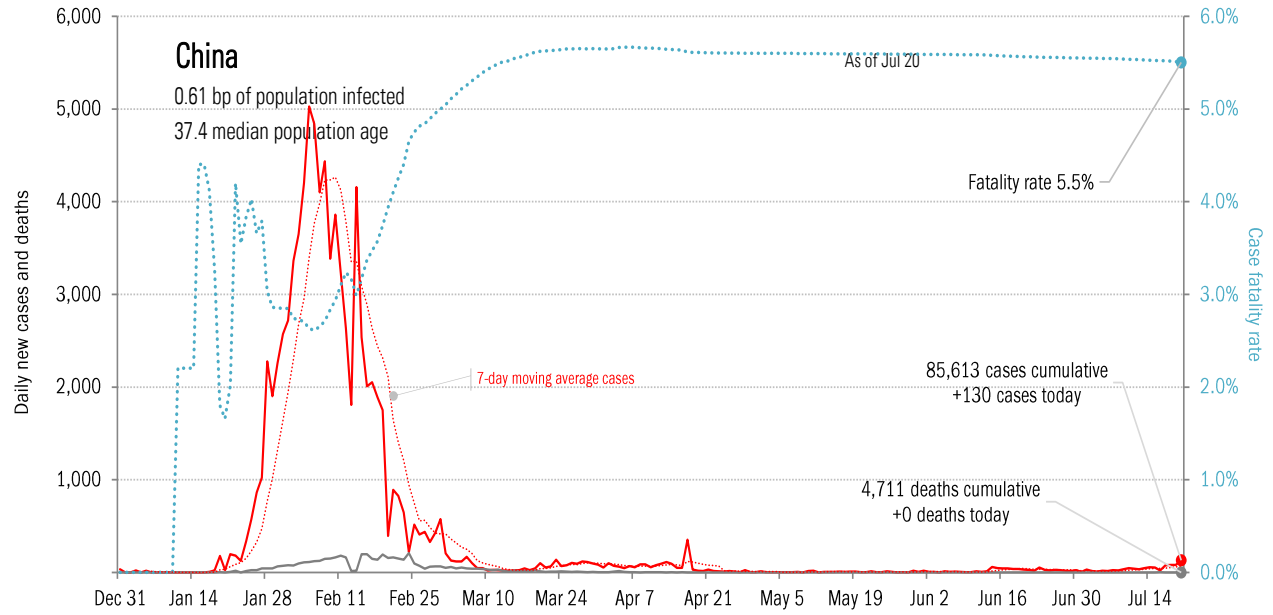
Source: [ECDC](#), TrendMacro calculations

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



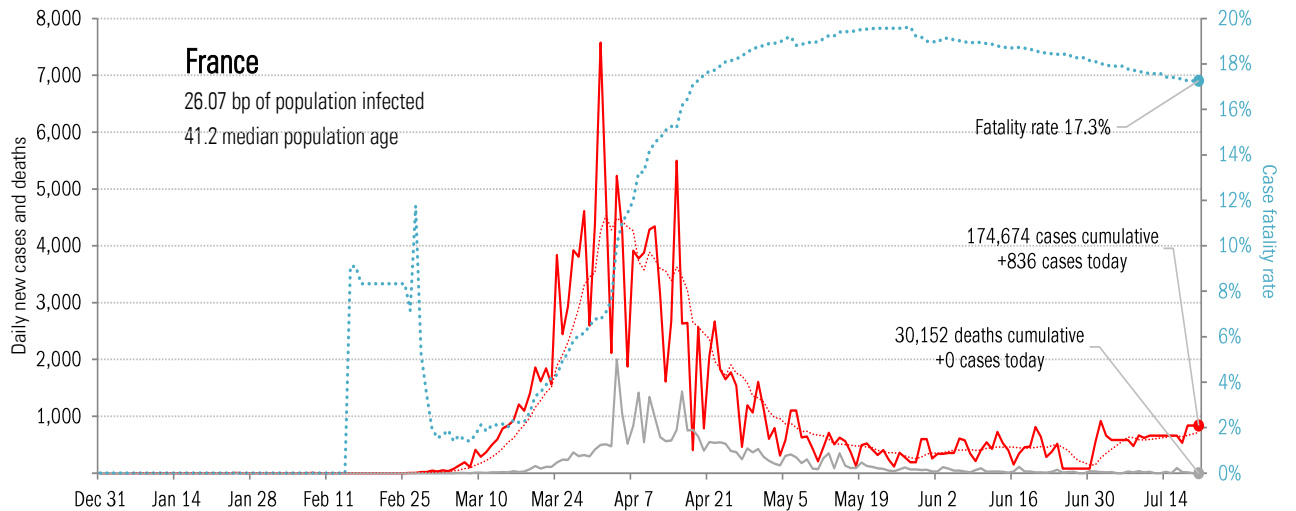
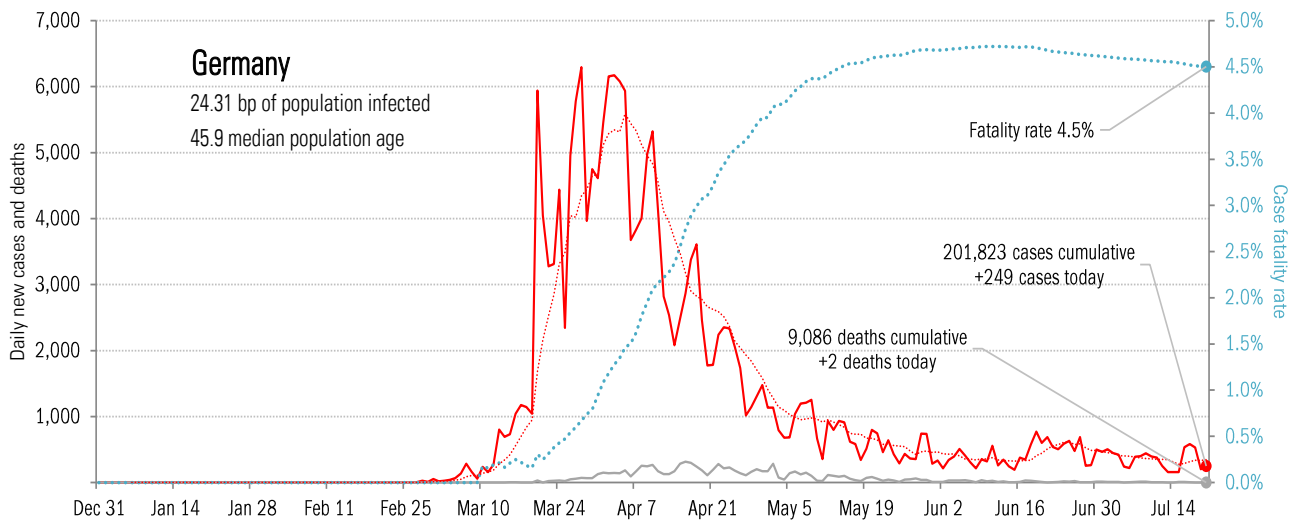
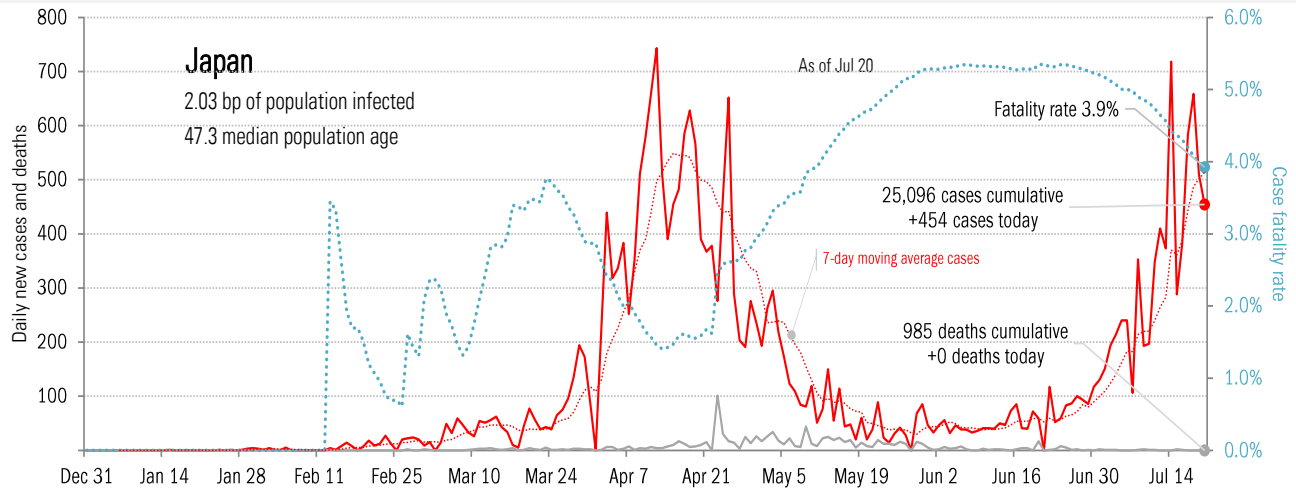
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



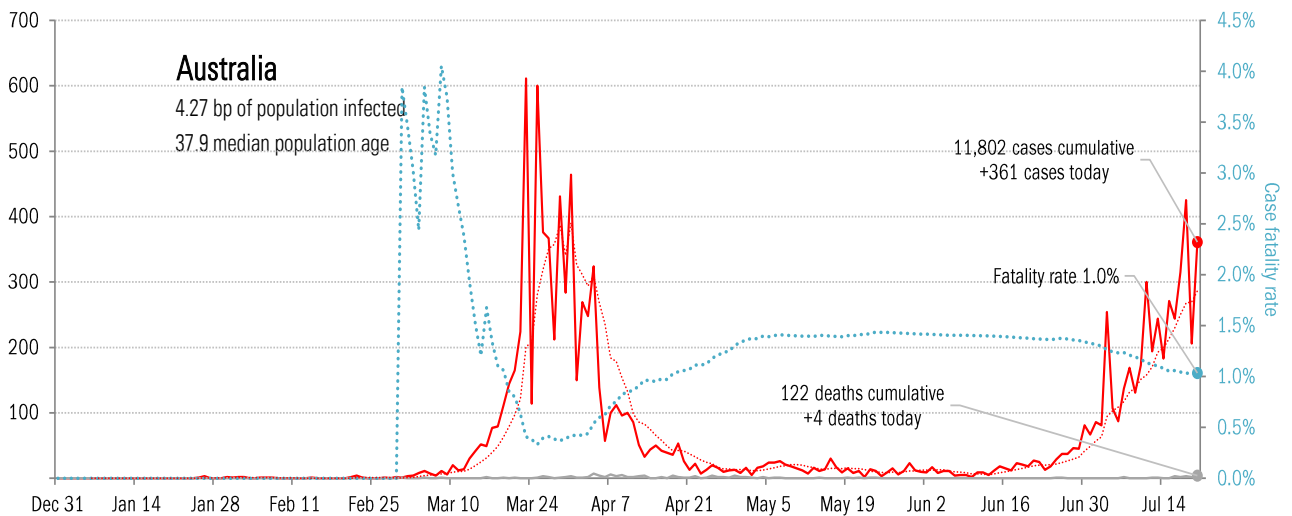
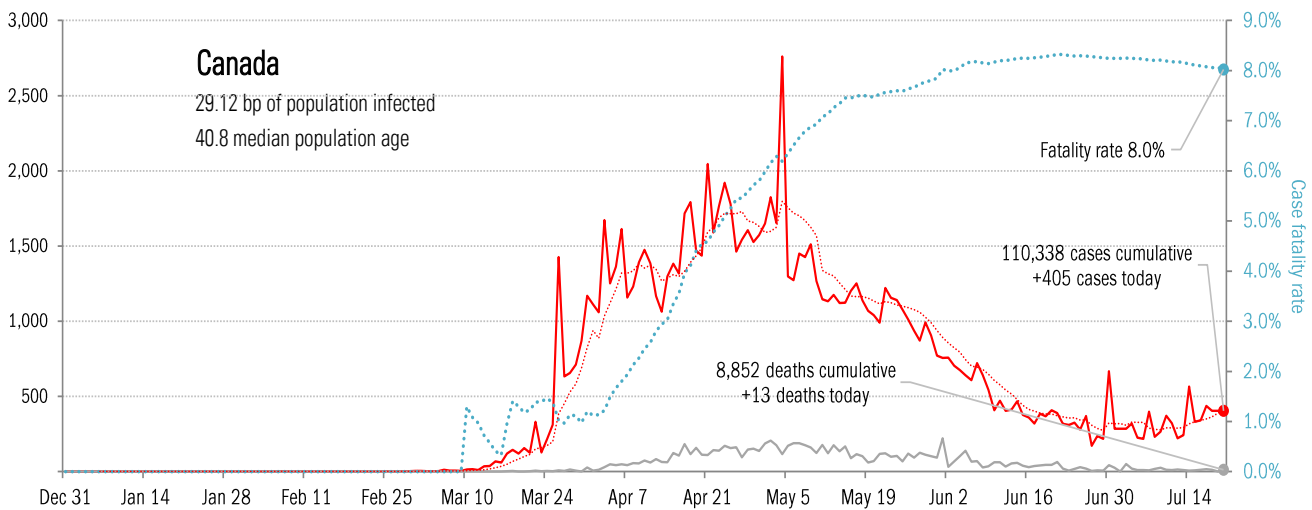
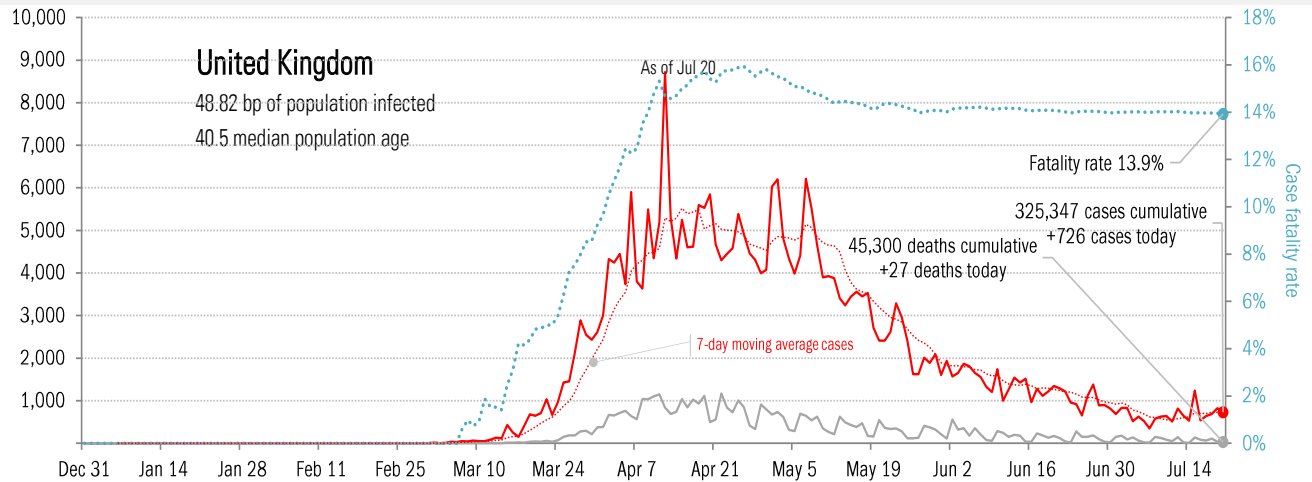
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



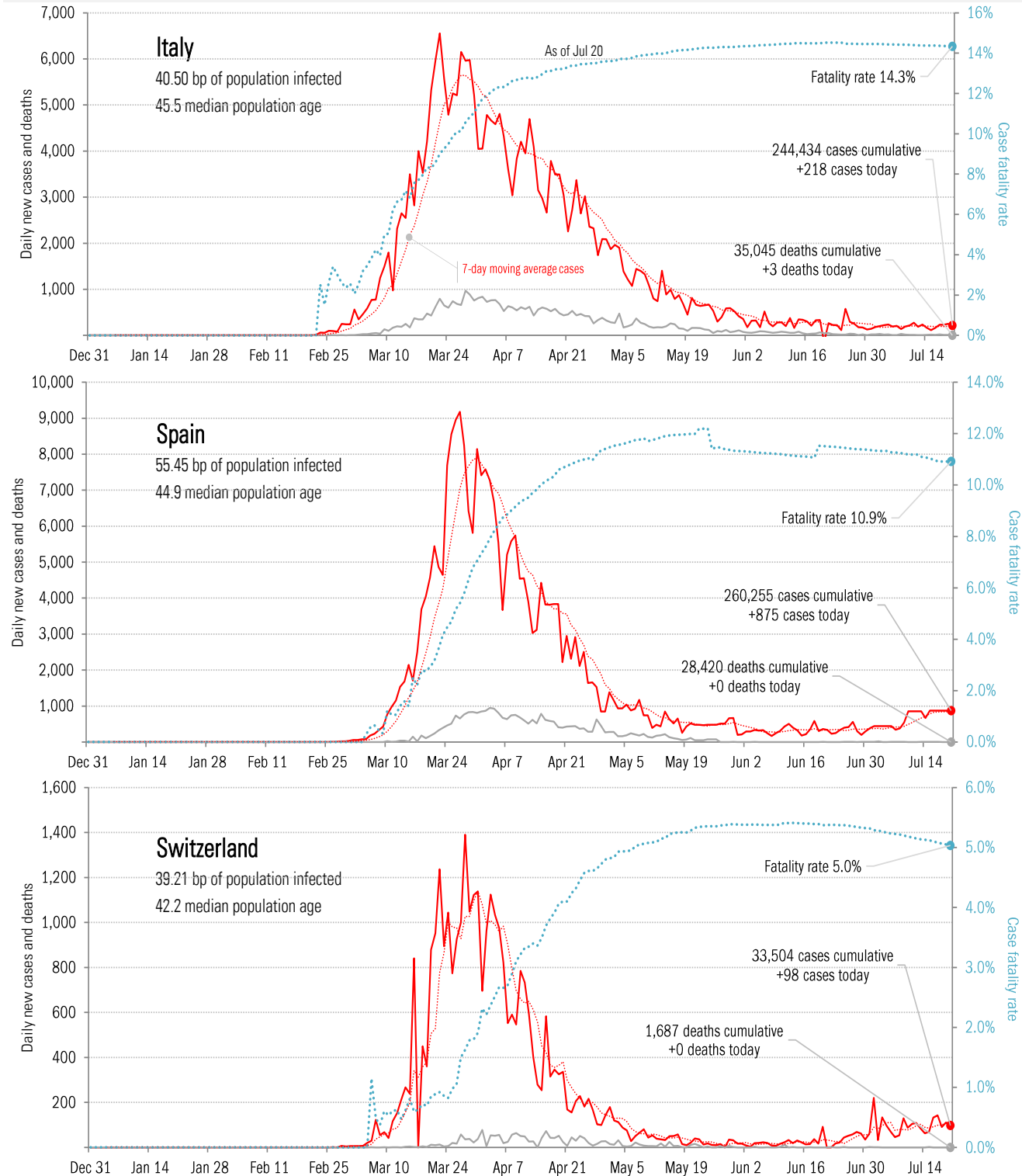
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



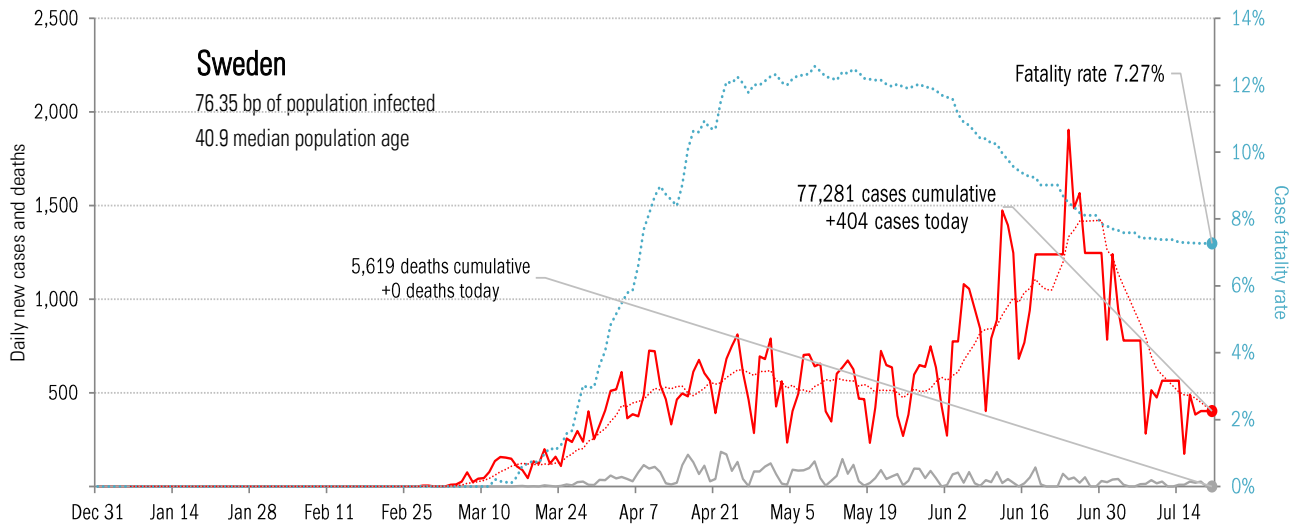
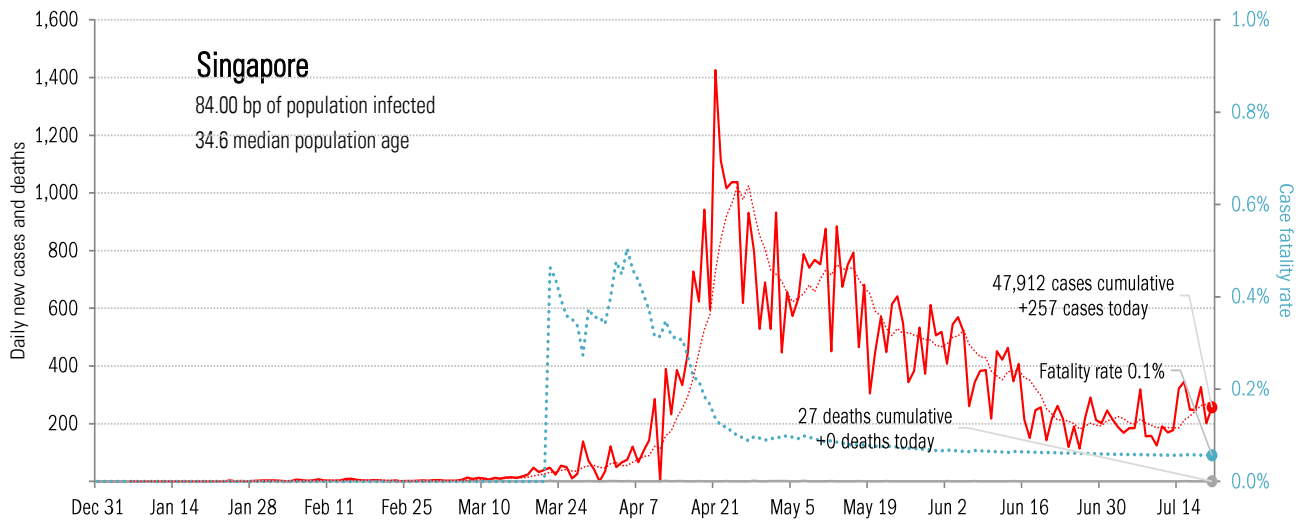
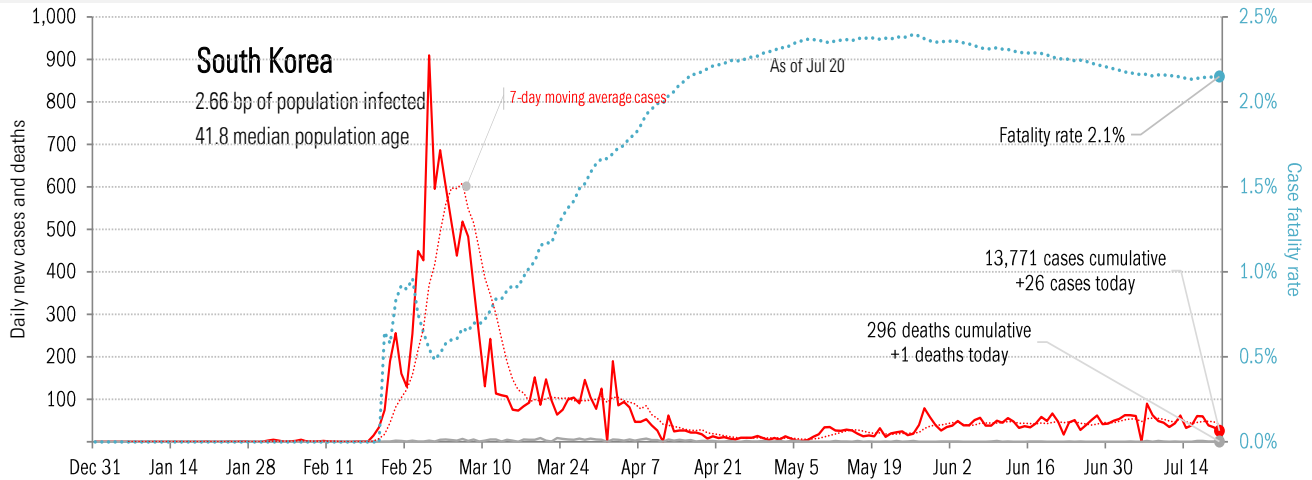
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



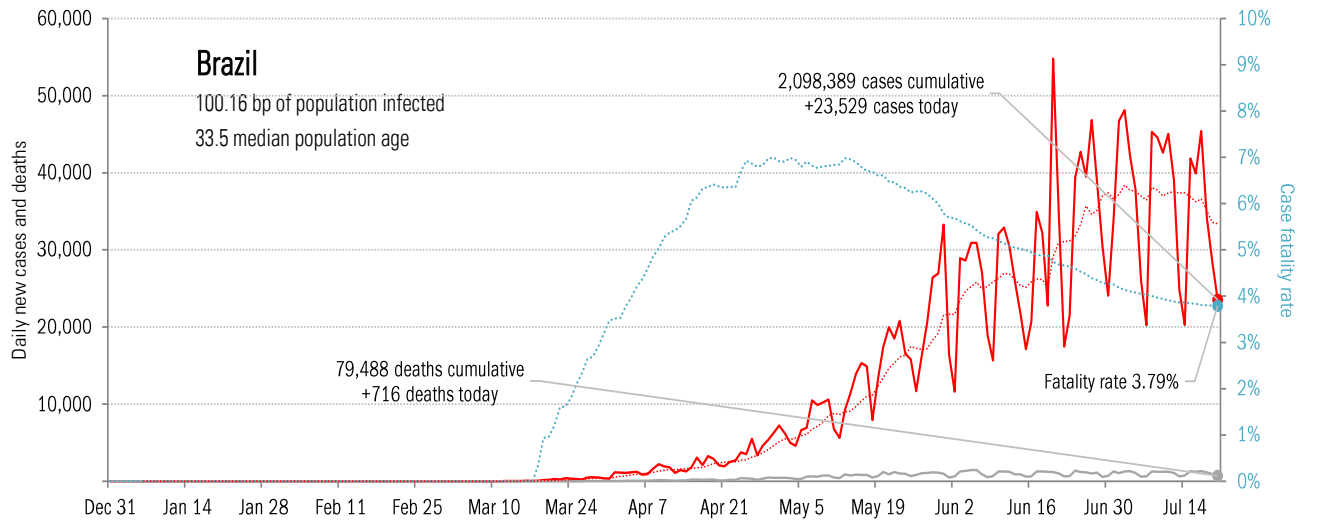
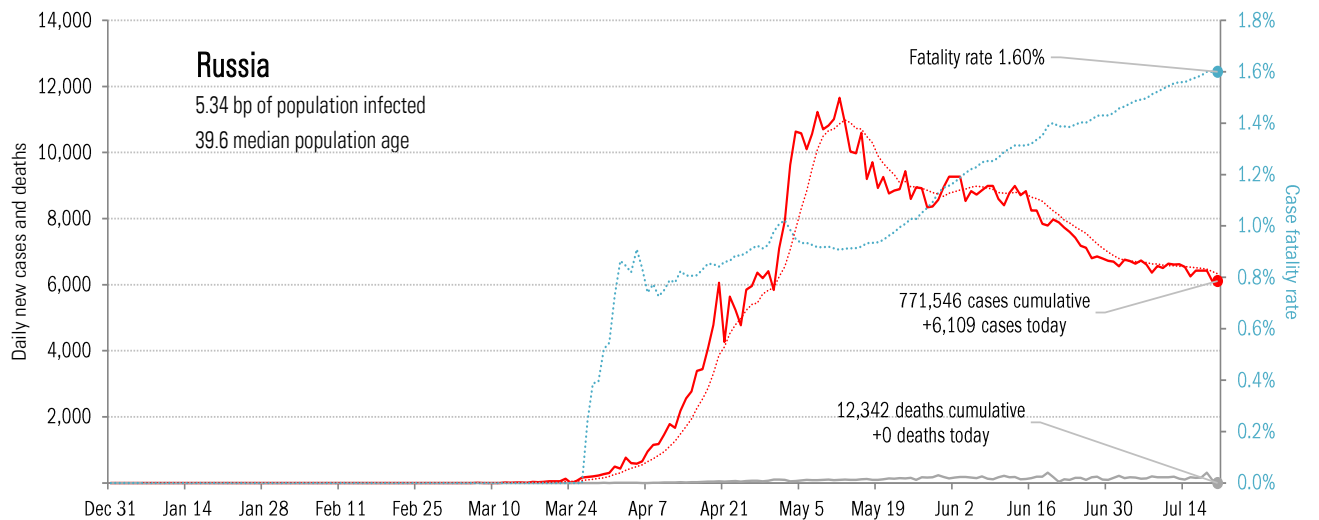
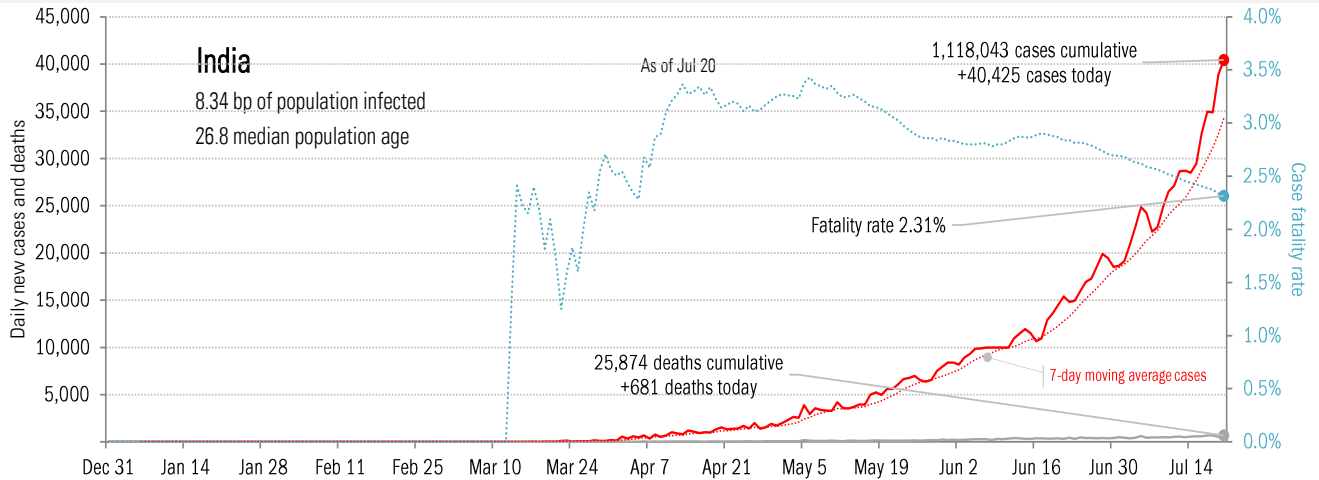
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



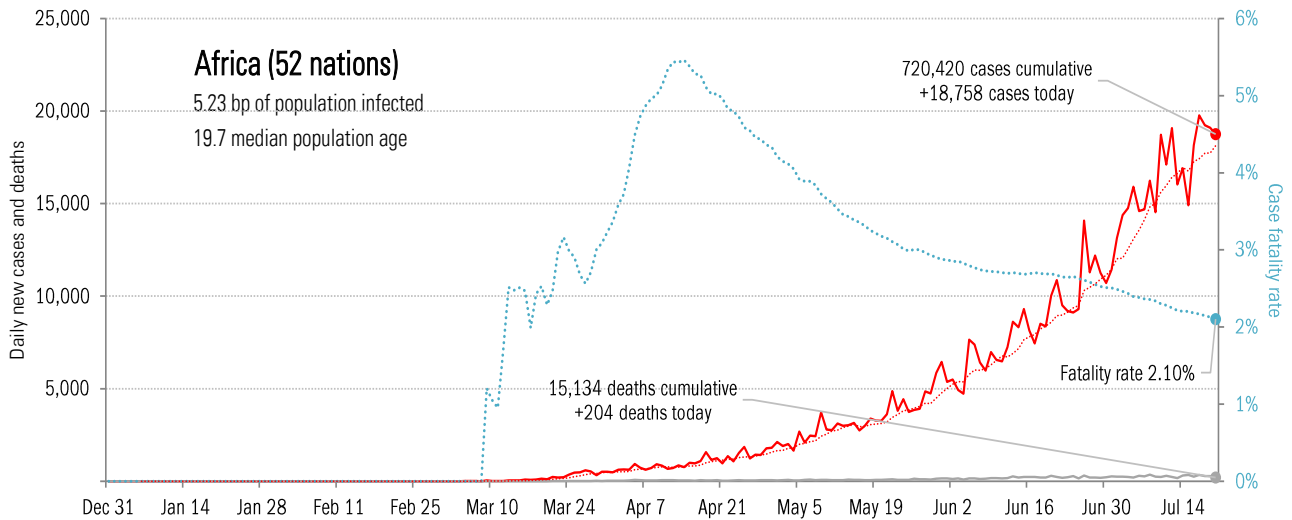
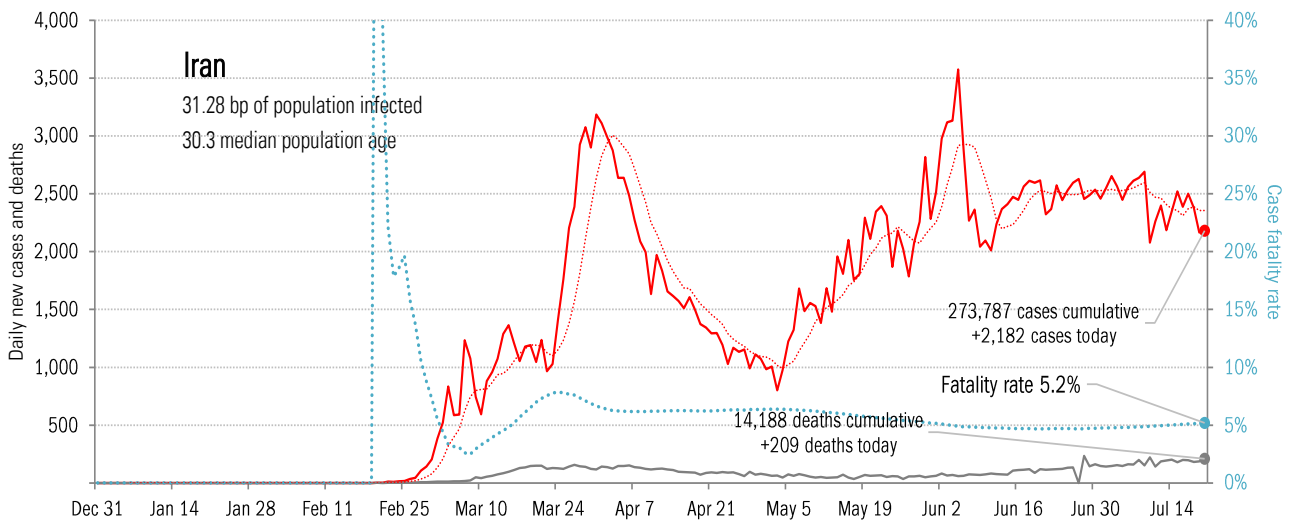
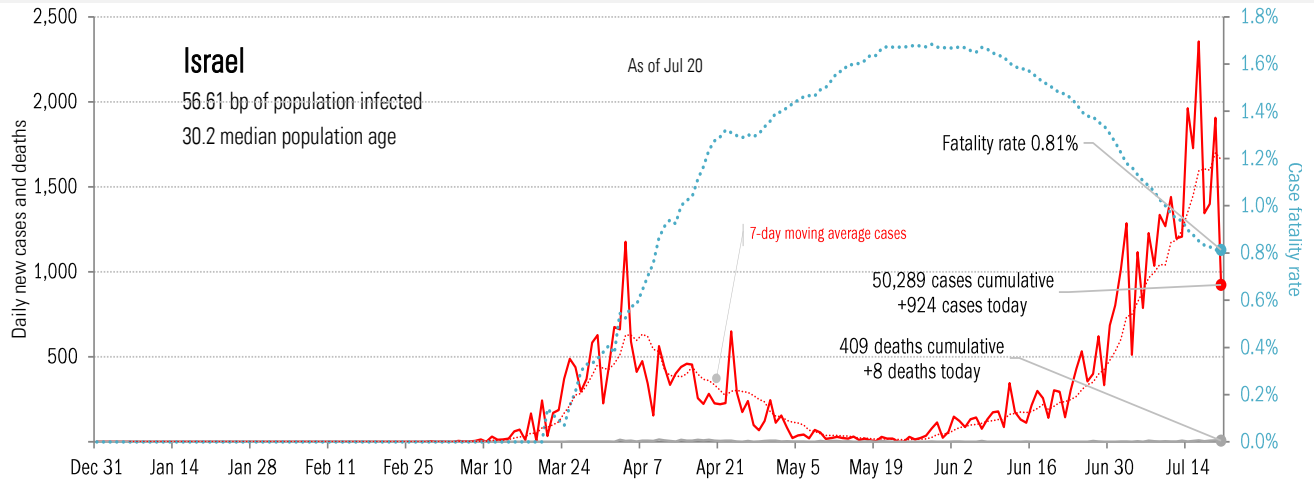
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations