

Data Insights: Covid-2019 Monitor

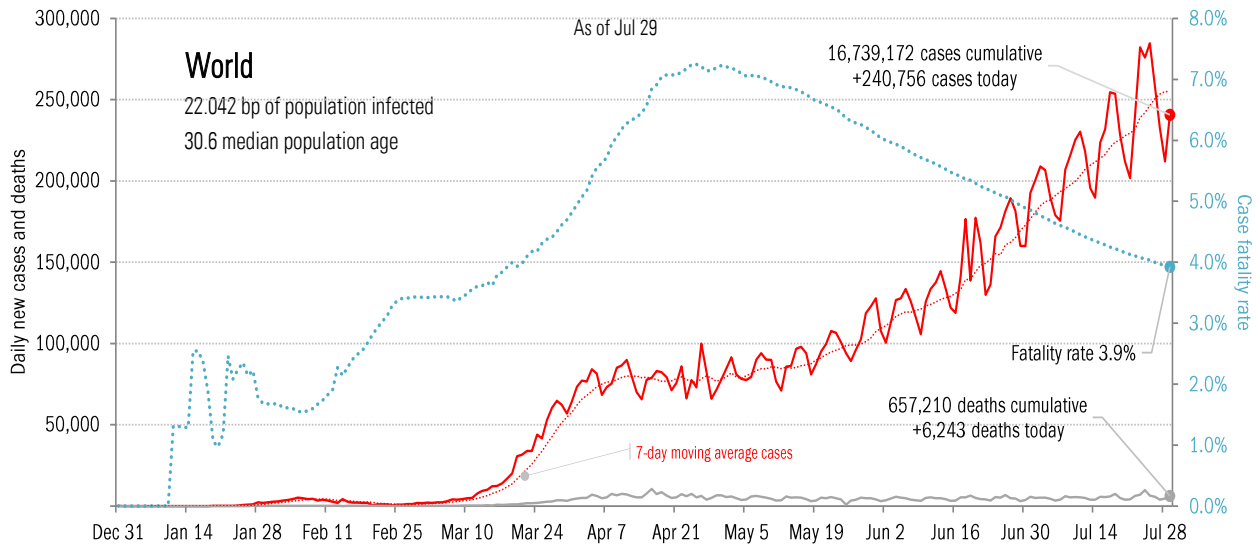
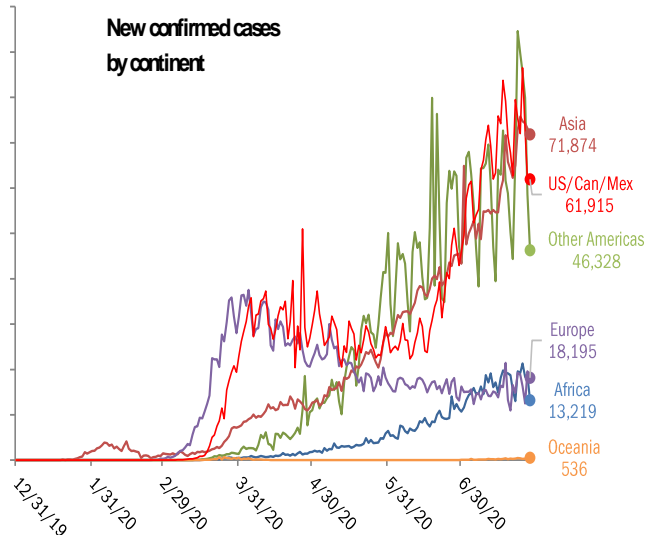
Wednesday, July 29, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+61,734	US	+1,245
India	+48,513	Brazil	+921
Brazil	+40,816	Mexico	+854
Colombia	+10,284	India	+768
South_Africa	+7,232	Colombia	+297
Mexico	+7,208	Iran	+235
Russia	+5,395	Kazakhstan	+208
Peru	+5,288	Peru	+194
Argentina	+4,890	South_Africa	+190
Bangladesh	+2,960	Russia	+150
+194,320		+5,062	
World	+240,756	World	+6,243
Top ten	81%	Top ten	81%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

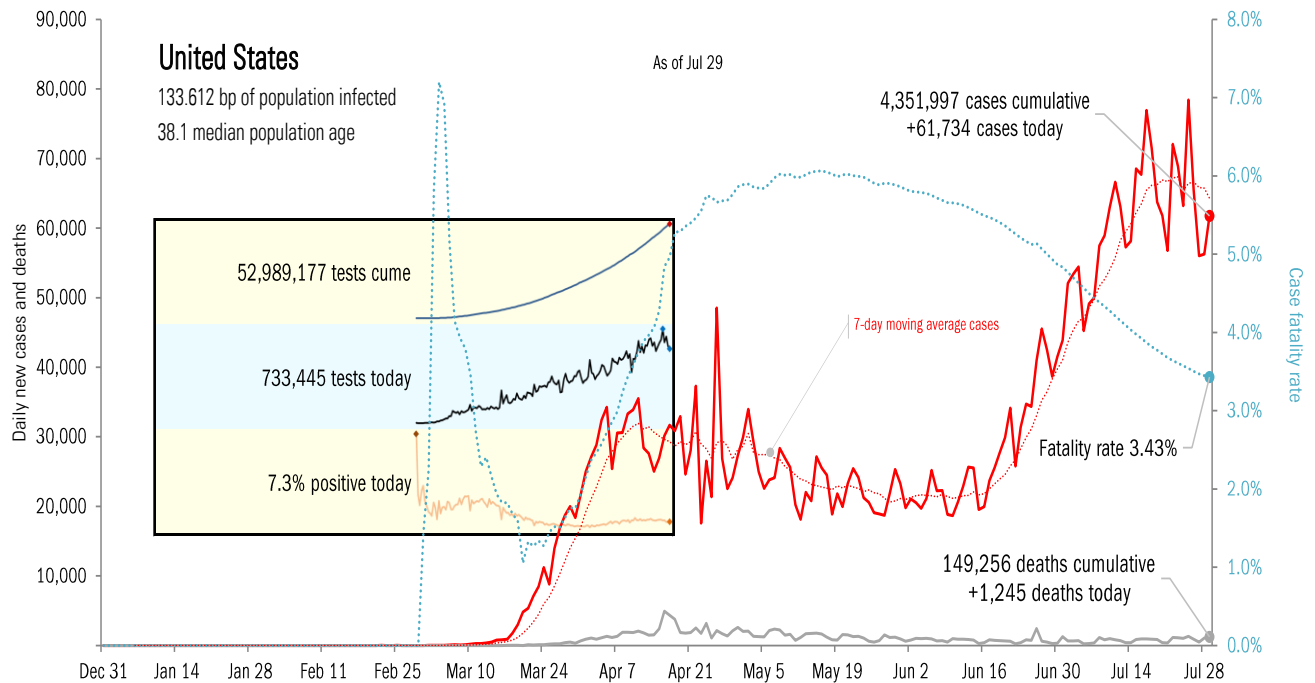
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
FL	+9,230	FL	+191	AZ	+1,643	CA	466,550	NY	25,126	NY	89,995
TX	+8,342	TX	+164	VA	+704	FL	441,977	NJ	15,825	FL	25,280
CA	+6,000	AZ	+104	FL	+590	NY	412,878	MA	8,551	NJ	21,321
GA	+4,209	CA	+73	GA	+406	TX	394,265	CA	8,518	GA	17,544
AZ	+2,107	SC	+59	SC	+290	NJ	180,295	IL	7,638	VA	12,844
NC	+1,749	GA	+54	AL	+199	GA	175,052	PA	7,146	MD	12,389
SC	+1,692	MS	+42	CH	+140	IL	174,973	MI	6,421	MA	11,855
MS	+1,342	CH	+38	OK	+115	AZ	165,934	FL	6,240	CT	10,712
CH	+1,320	IL	+30	WI	+73	MA	116,182	TX	5,877	CH	10,425
AL	+1,251	NC	+30	MS	+71	NC	116,087	CT	4,423	AL	9,893
+37,242		+785		+4,231		2,644,193		95,765		222,258	
All states	+53,507	All states	+1,121	All states	+4,672	All states	4,328,695	All states	141,430	All states	299,144
Top ten	70%	Top ten	70%	Top ten	91%	Top ten	61%	Top ten	68%	Top ten	74%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TN	-2,553	AL	-18	AL	-338	TX	+15,342
MO	-2,072	TN	-11	KS	-48	SC	+3,481
LA	-1,222	KS	-9	TN	-36	CH	+1,643
KS	-1,063	NM	-2	AR	-20	OK	+1,111
CA	-891	NY	-2	RI	-20	WI	+880



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

Recommended reading

[In Era of Sickness, Doctors Prescribe Unusual Cure: Voting](#)

Farah Stockman
New York Times
July 25, 2020

[Virus-linked hunger tied to 10,000 child deaths each month](#)

Lori Hinnant and Sam Mednick
AP
July 27, 2020

[Almost 3 Million Adults Moved Back Home in Wake of Coronavirus](#)

Treh Manhertz
Zillow
June 10, 2020

[Why New York business leaders need to push hard to reopen fast](#)

David Bahnsen
New York Post
July 26, 2020

[Half a million fewer children? The coming COVID baby bust](#)

Melissa S. Kearney and Phillip B. Levine
Brookings Institution
June 15, 2020

['I Have NOT Been Tested': 600,000 Accidentally Told They've Had COVID-19](#)

Patricia Kime
Military.com
July 22, 2020

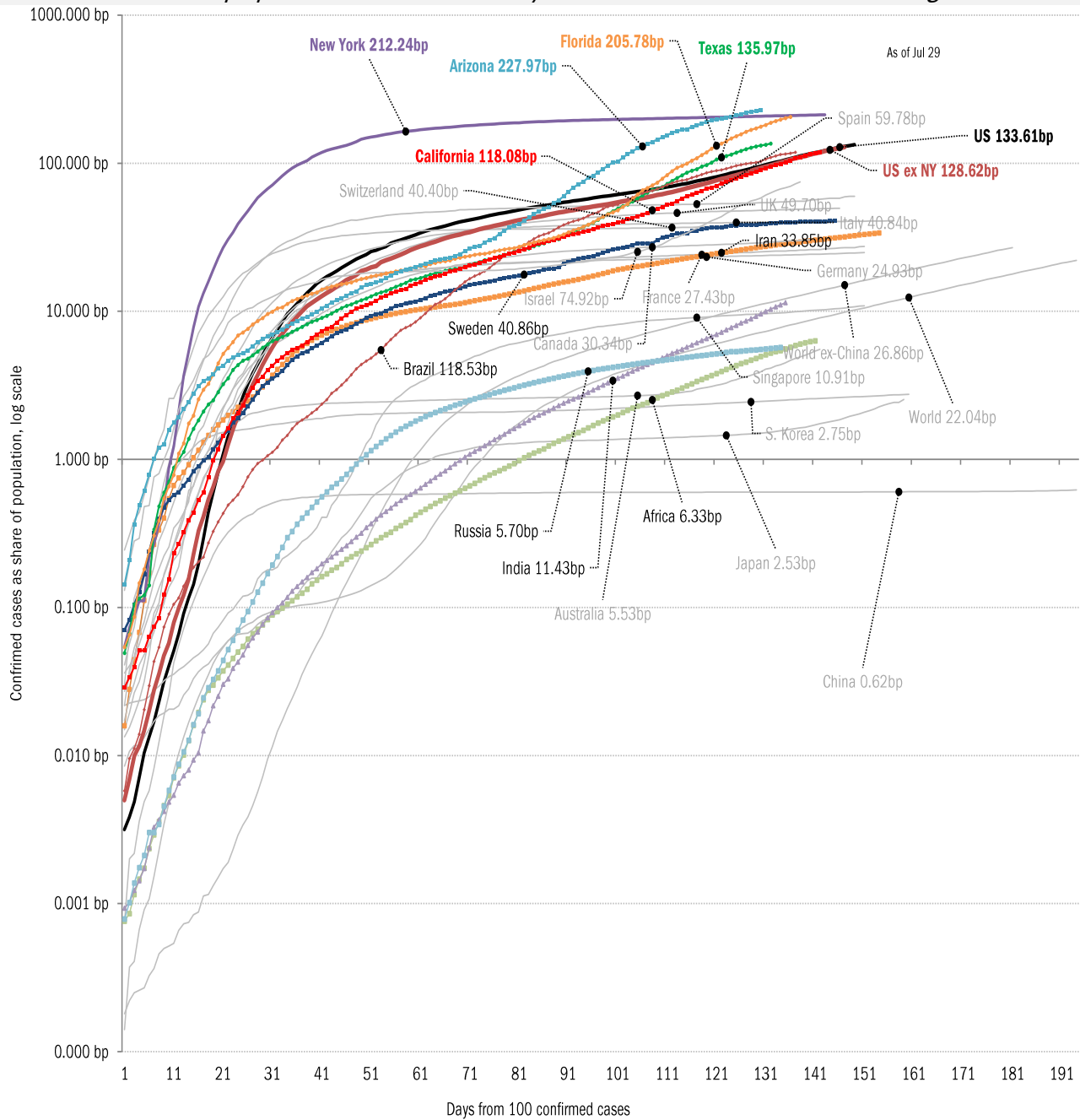
Meme of the day

Both drivers were taken to the hospital for possible Coronavirus complications



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

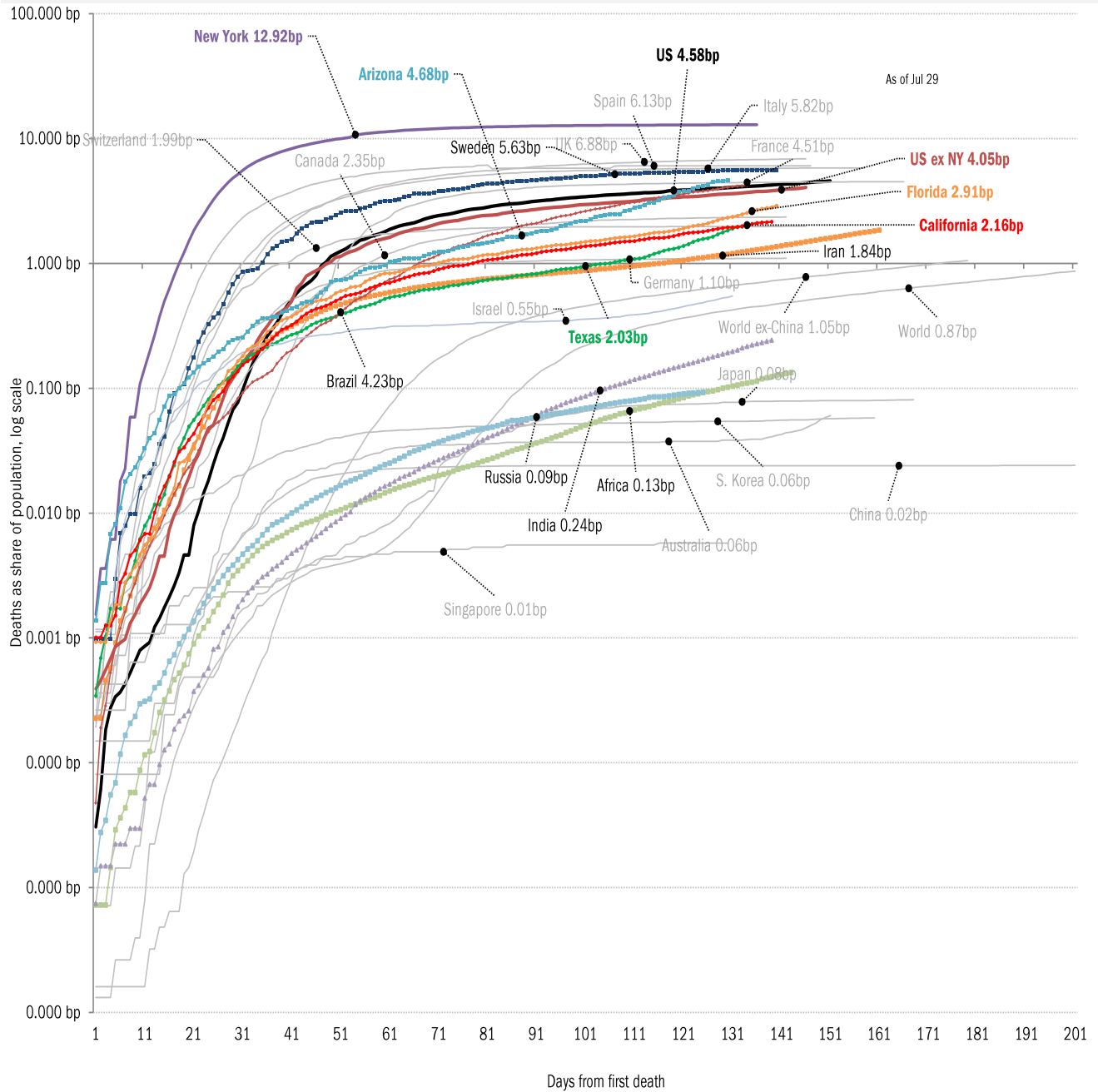
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

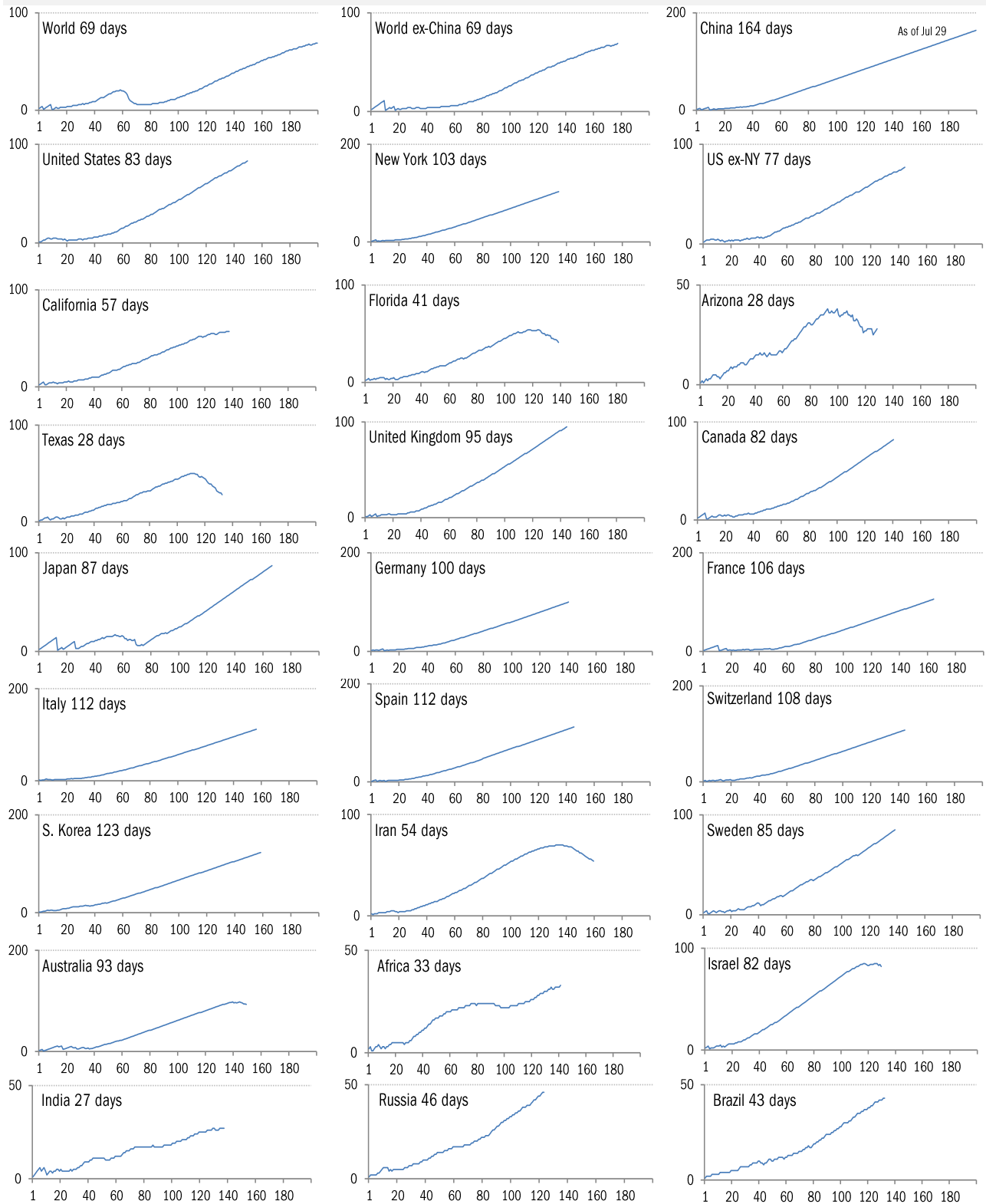
Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

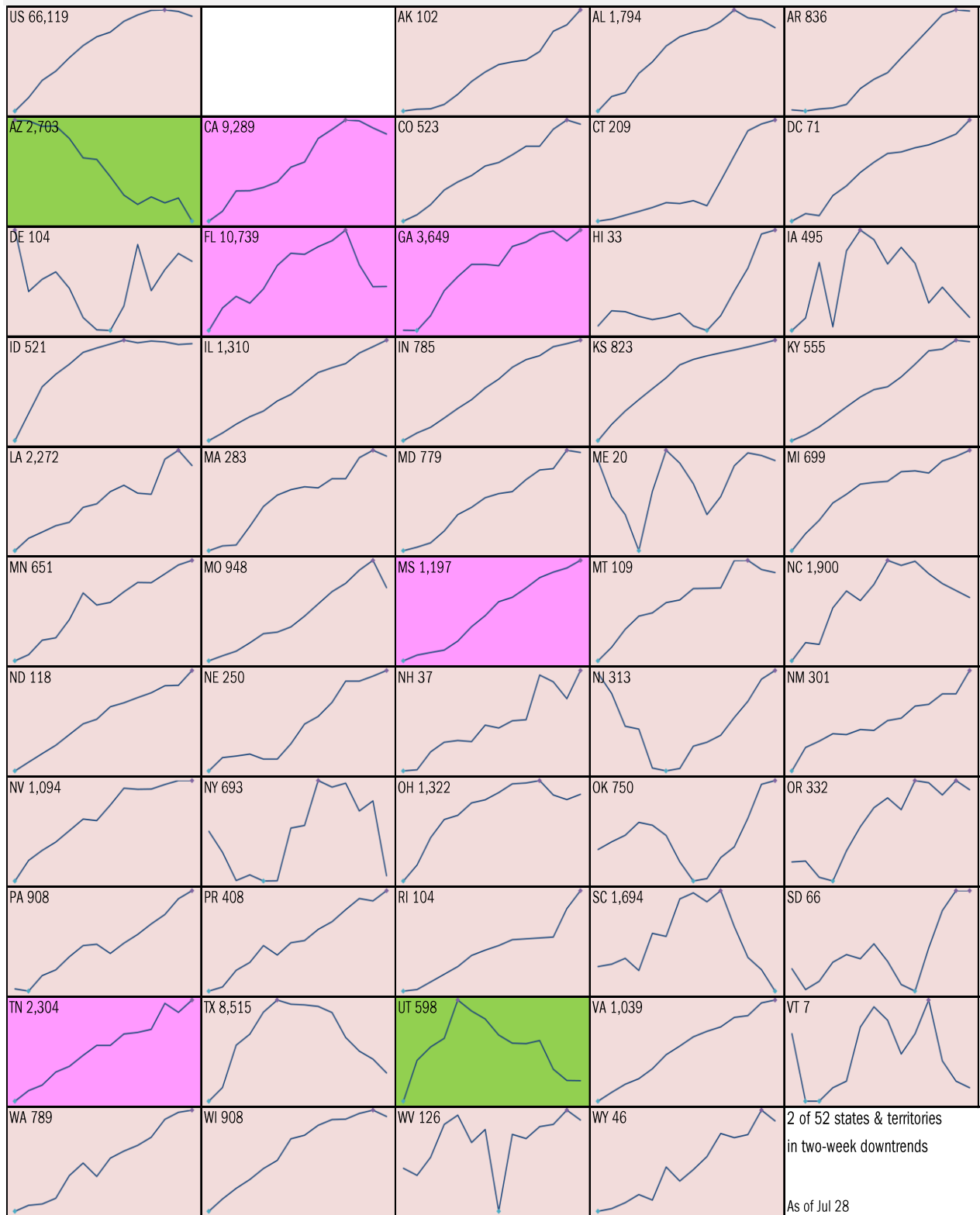
Our most reliable evidence of slowing exponential growth of Covid-2019

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

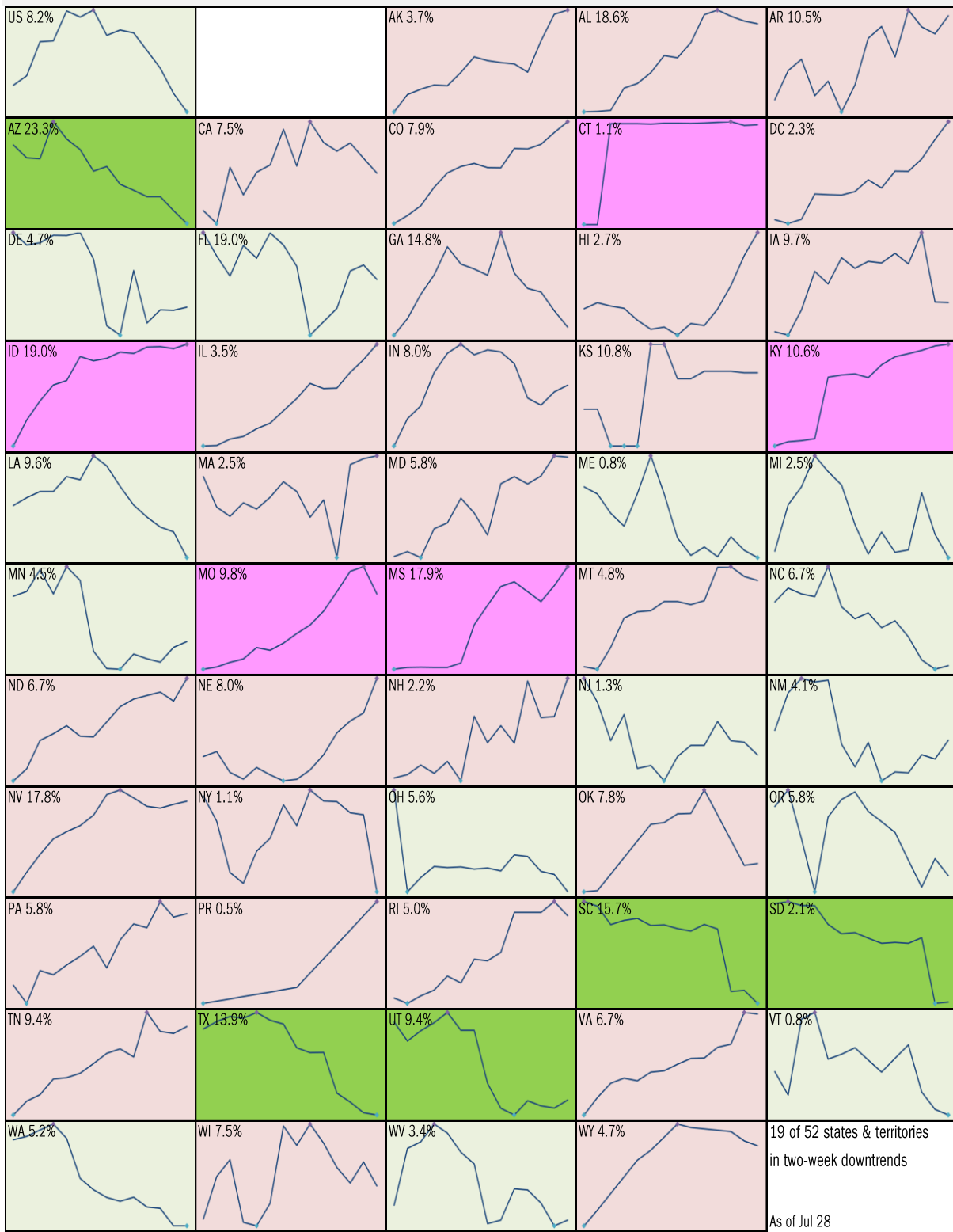


Source: [Covid Tracking Project](#), TrendMacro calculations

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

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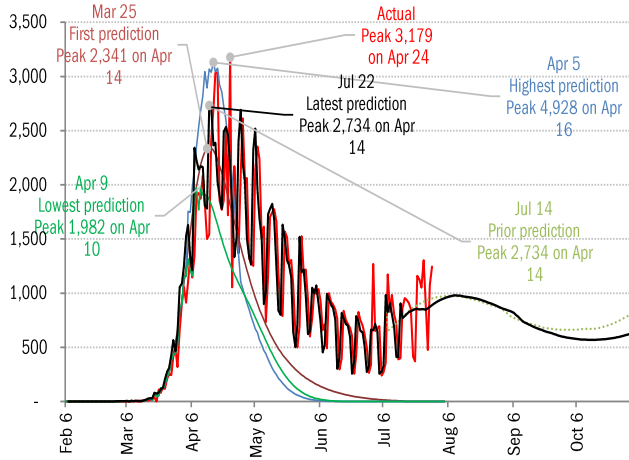
Source: [Covid Tracking Project](#), TrendMacro calculations

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

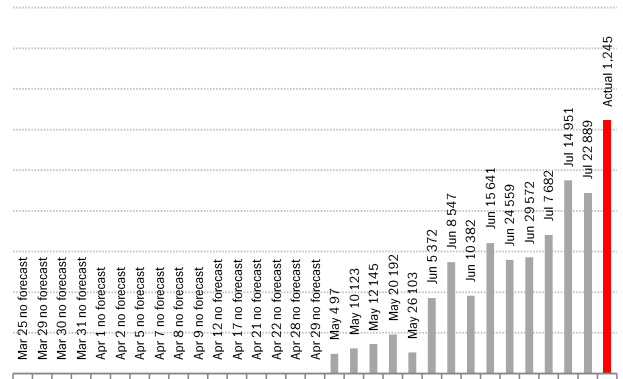
New daily fatalities

As of Jul 29

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

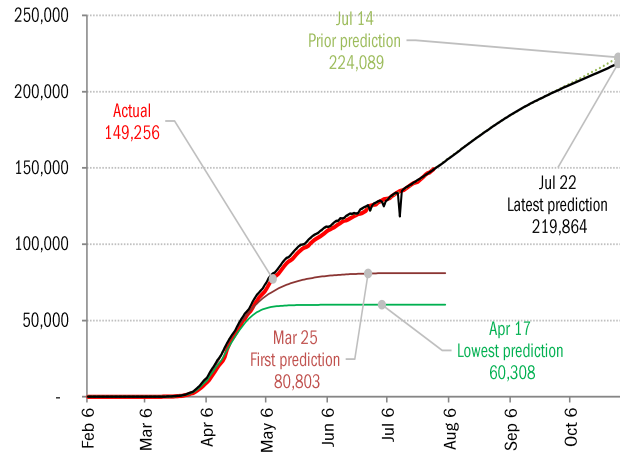


For this day, versus all model mean predictions

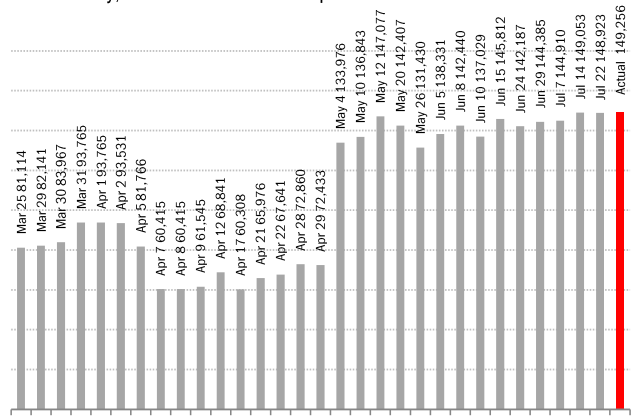


Cumulative fatalities

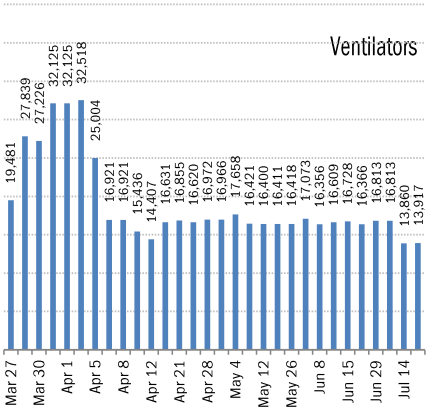
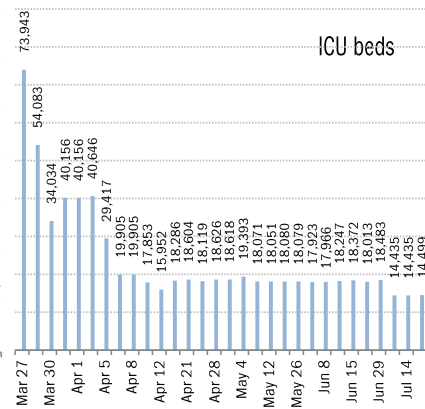
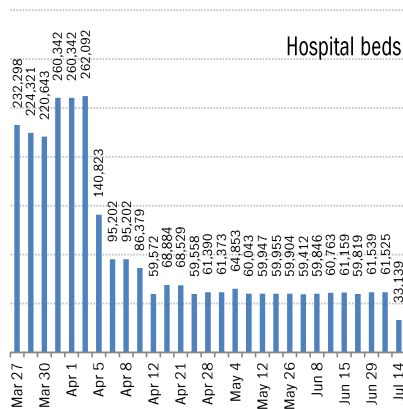
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For this day, versus all model mean predictions

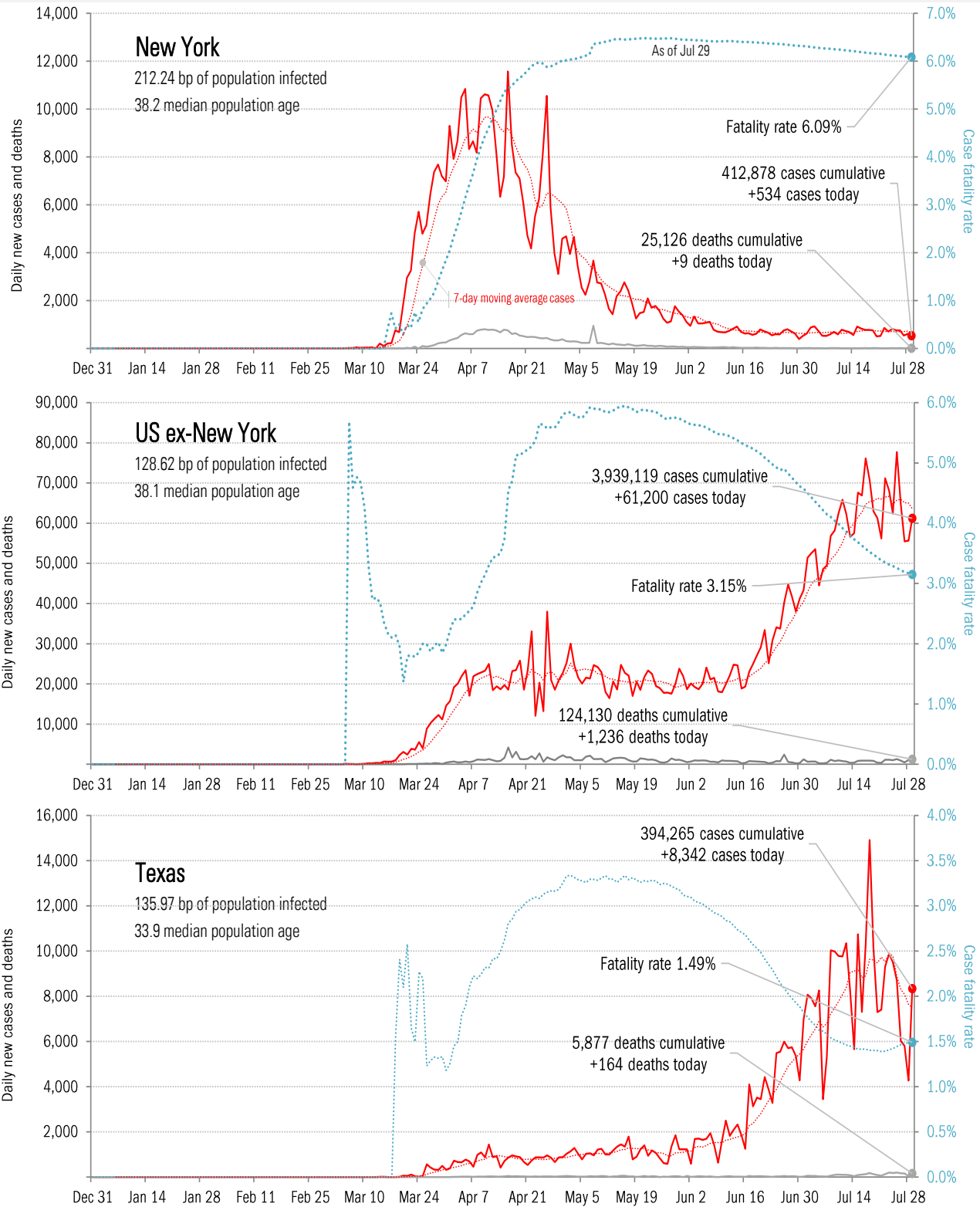


Healthcare system stress, peak estimated at each model revision



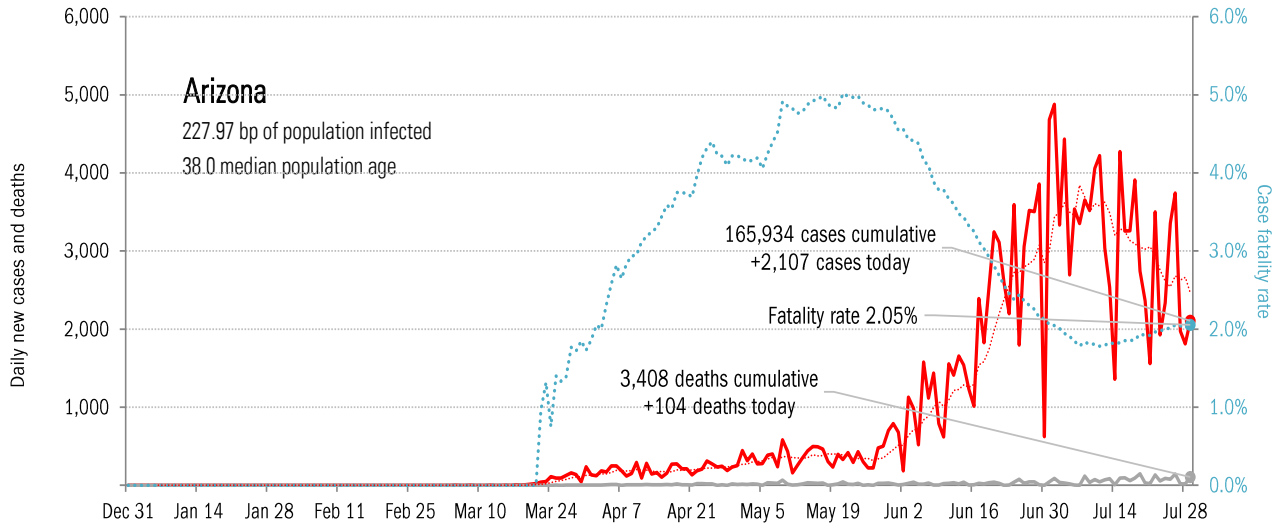
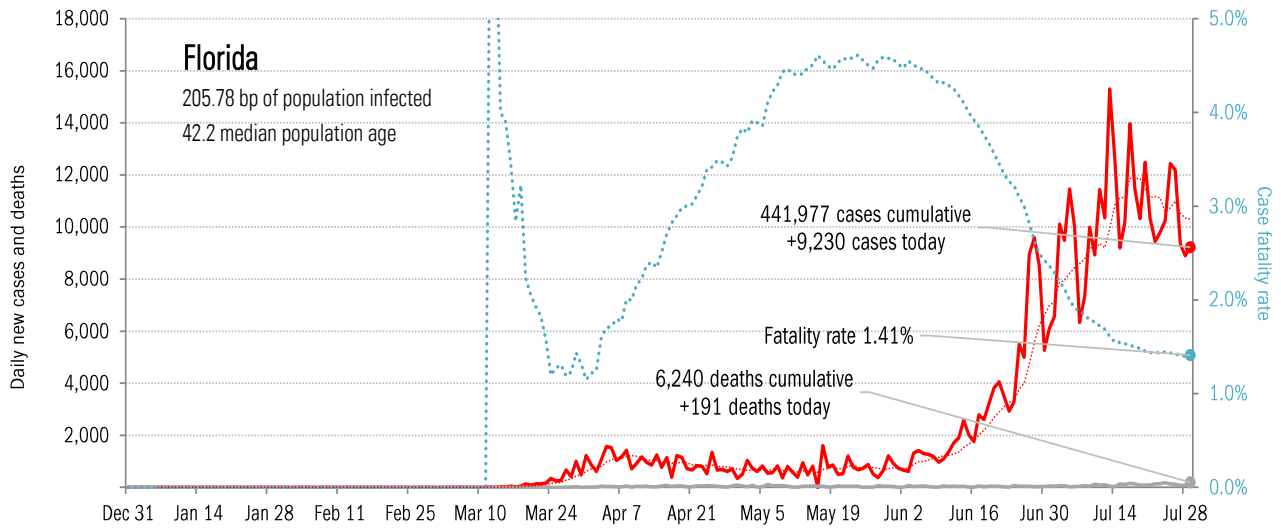
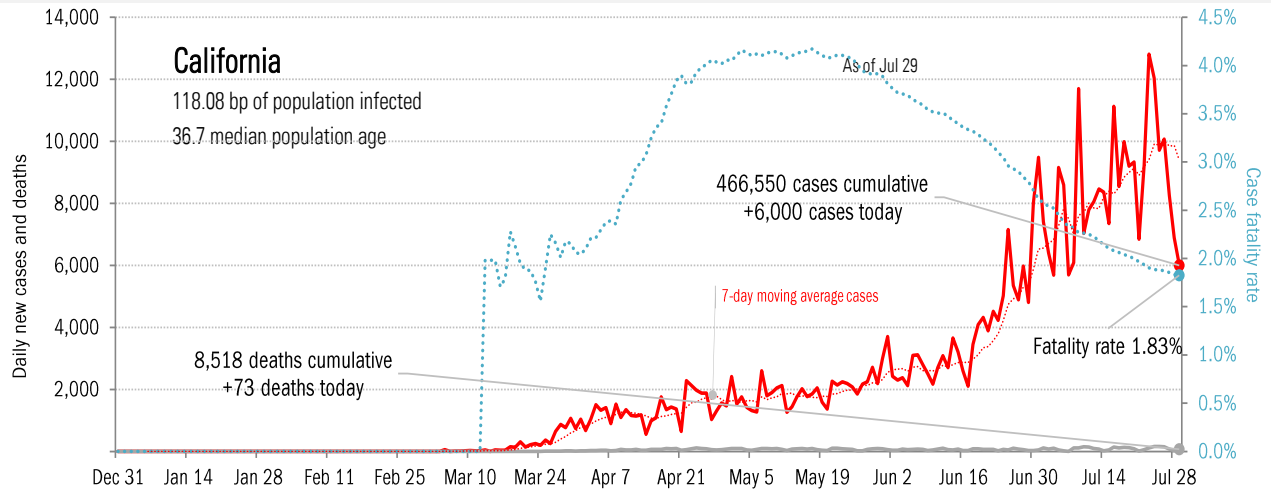
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



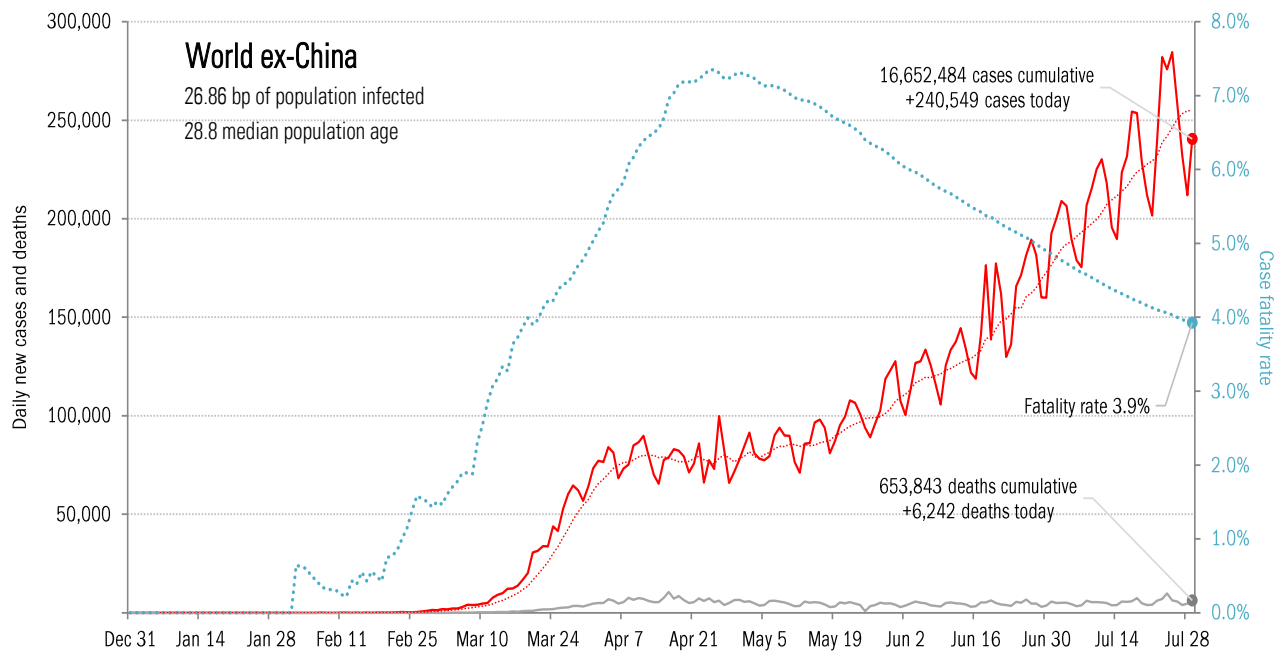
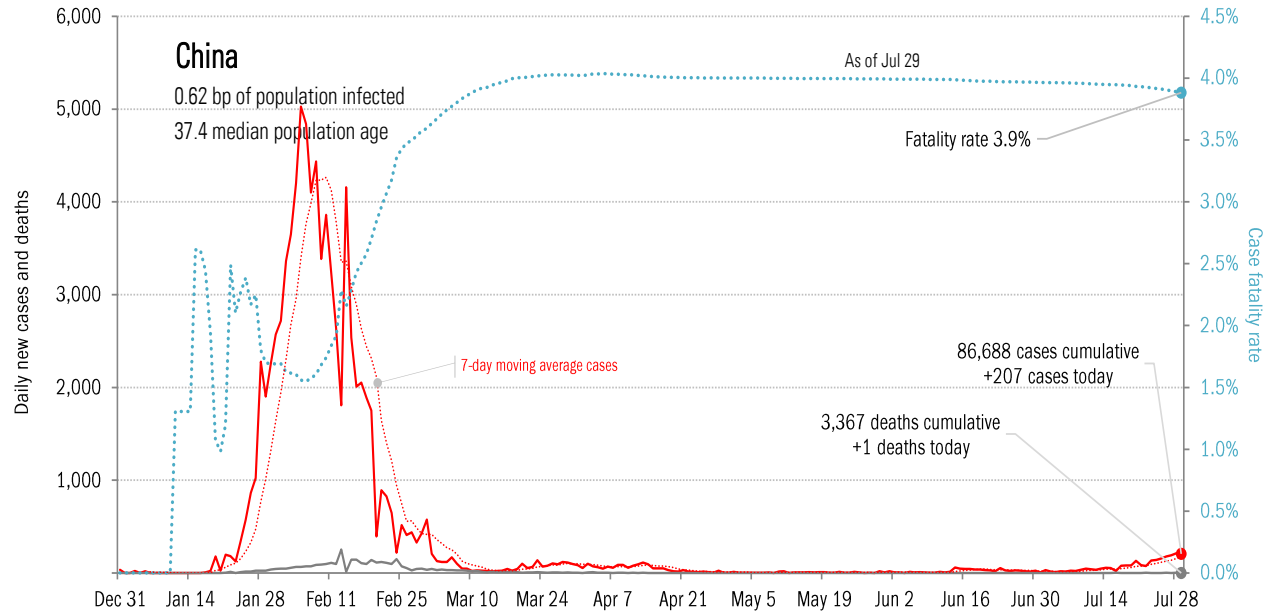
Source: [ECDC](#), TrendMacro calculations

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



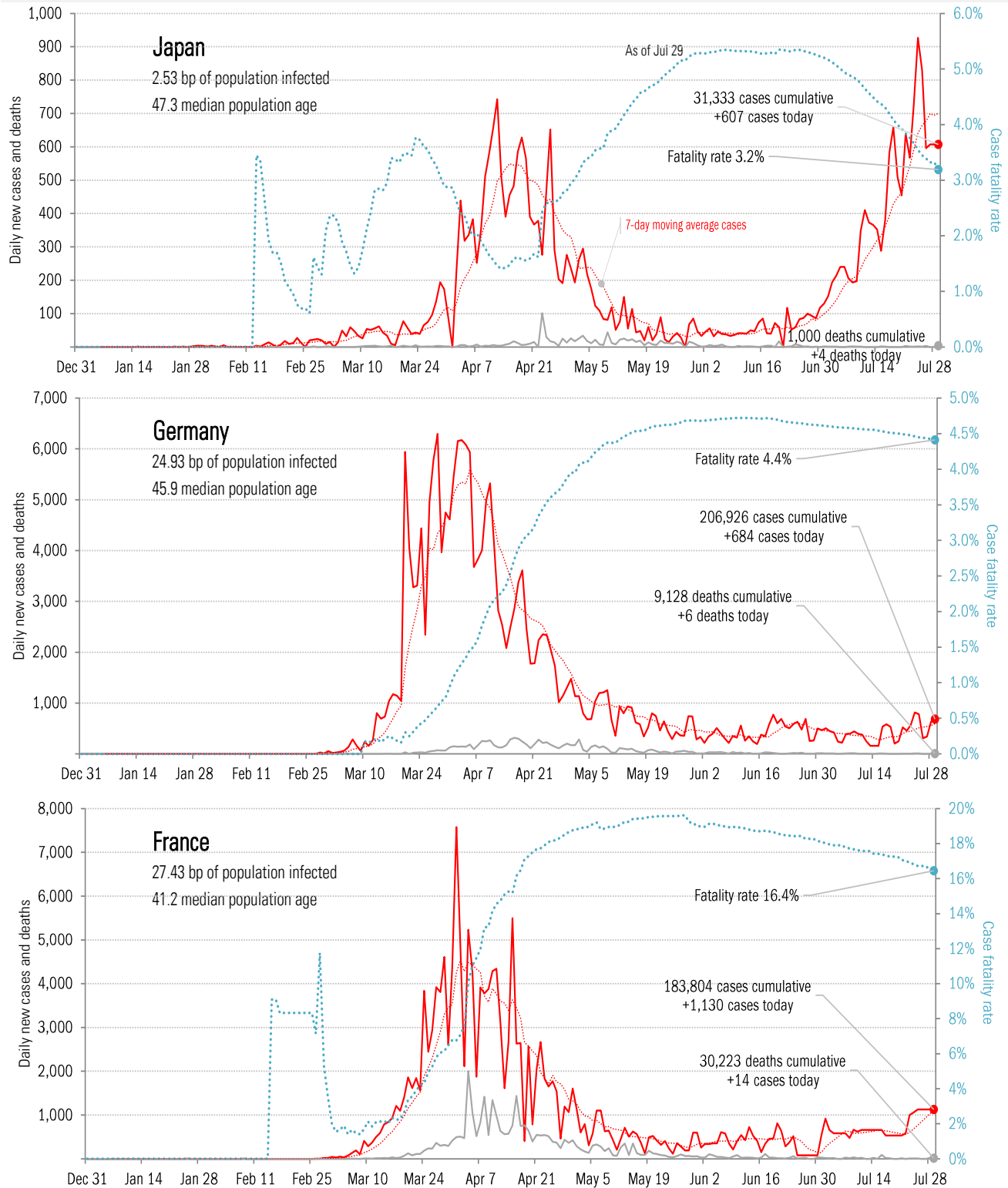
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



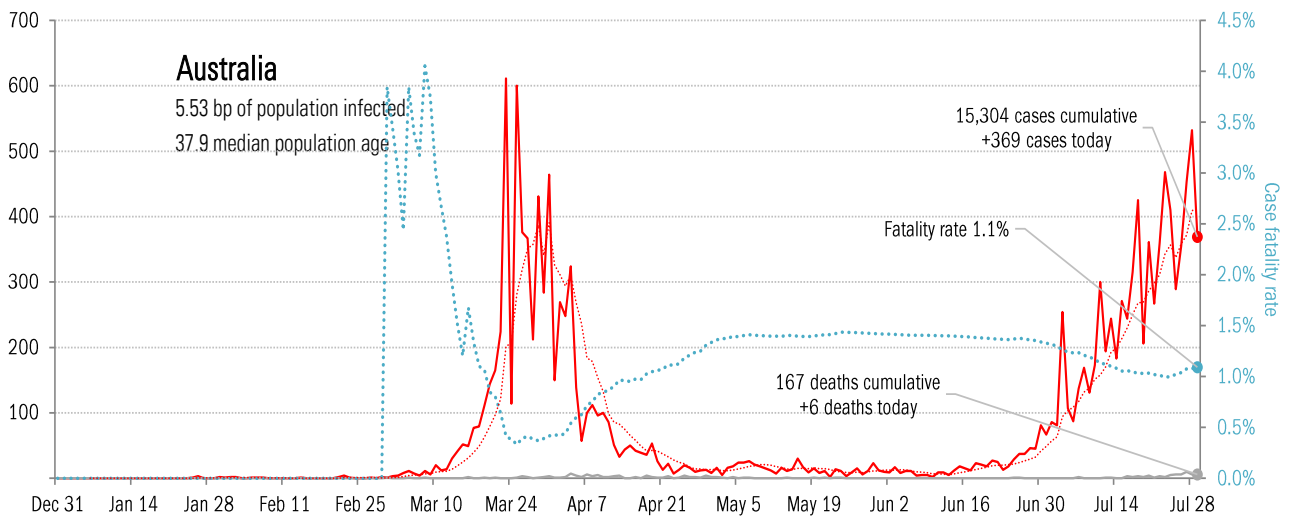
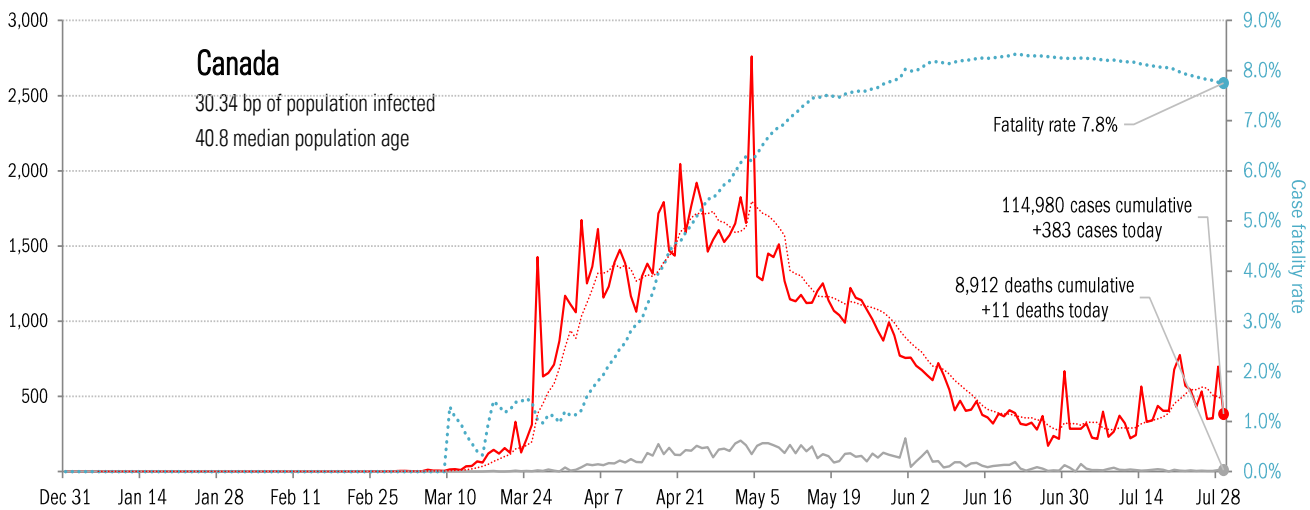
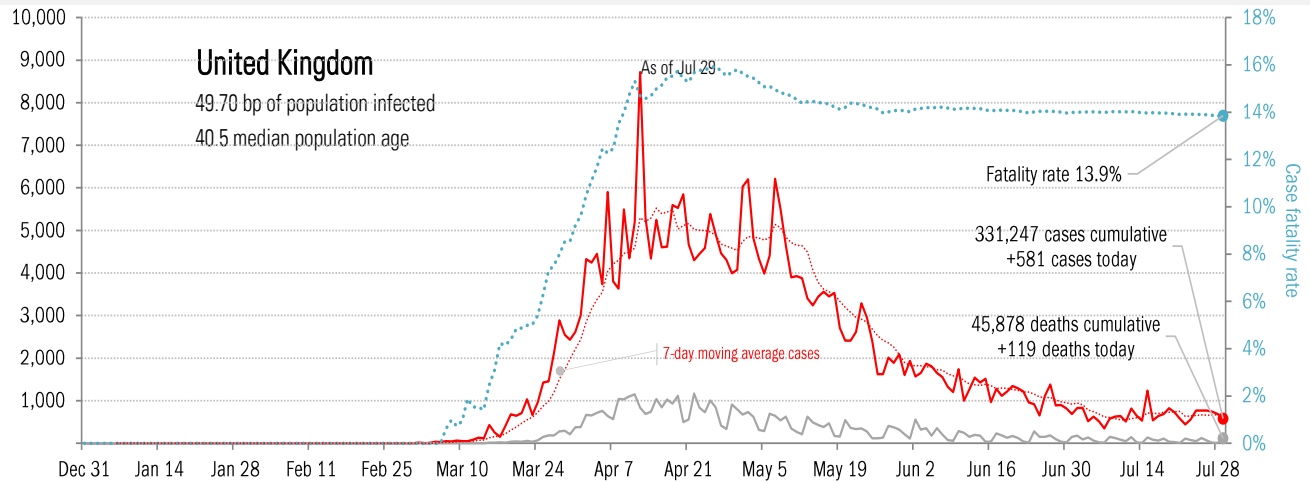
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



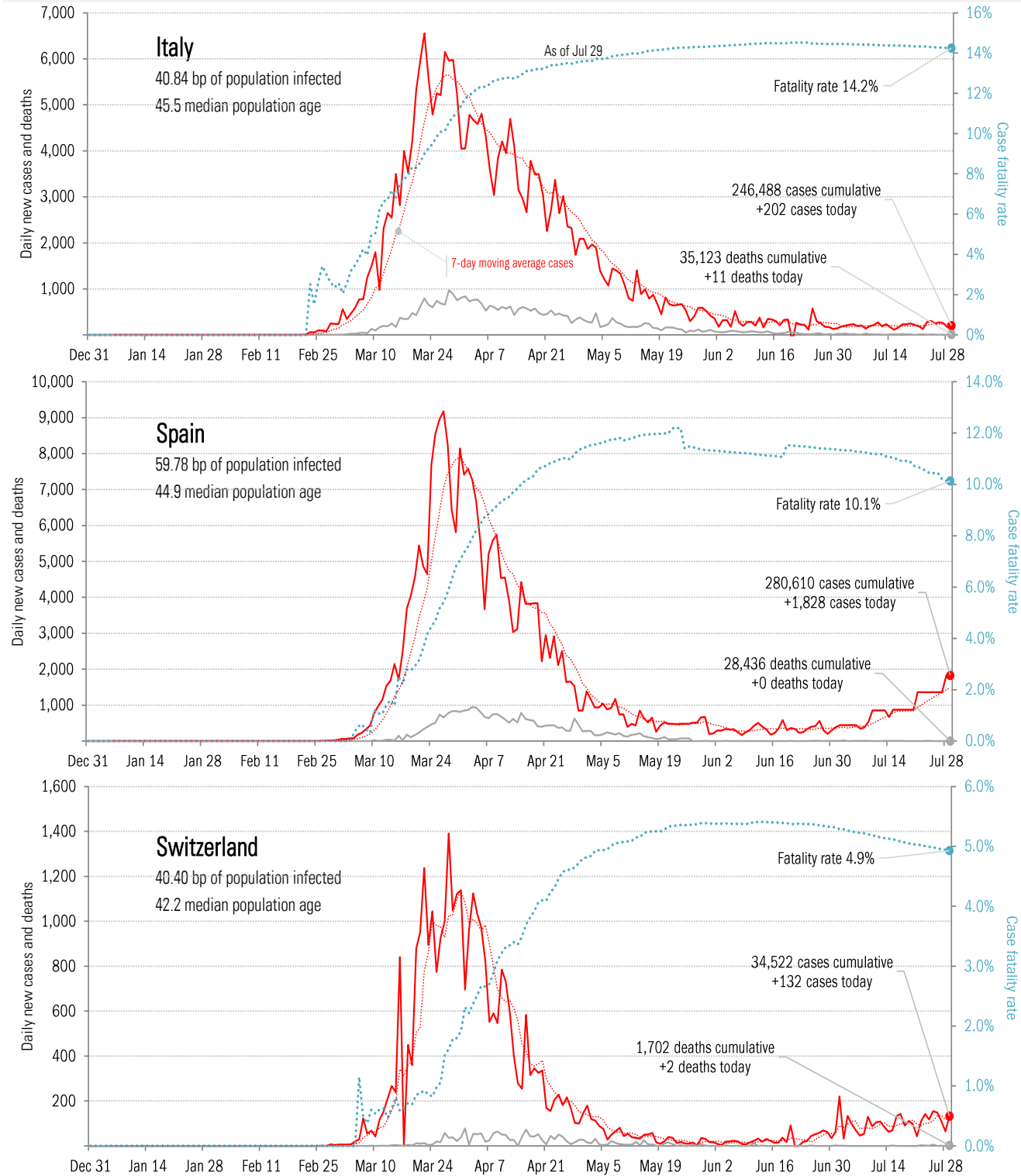
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



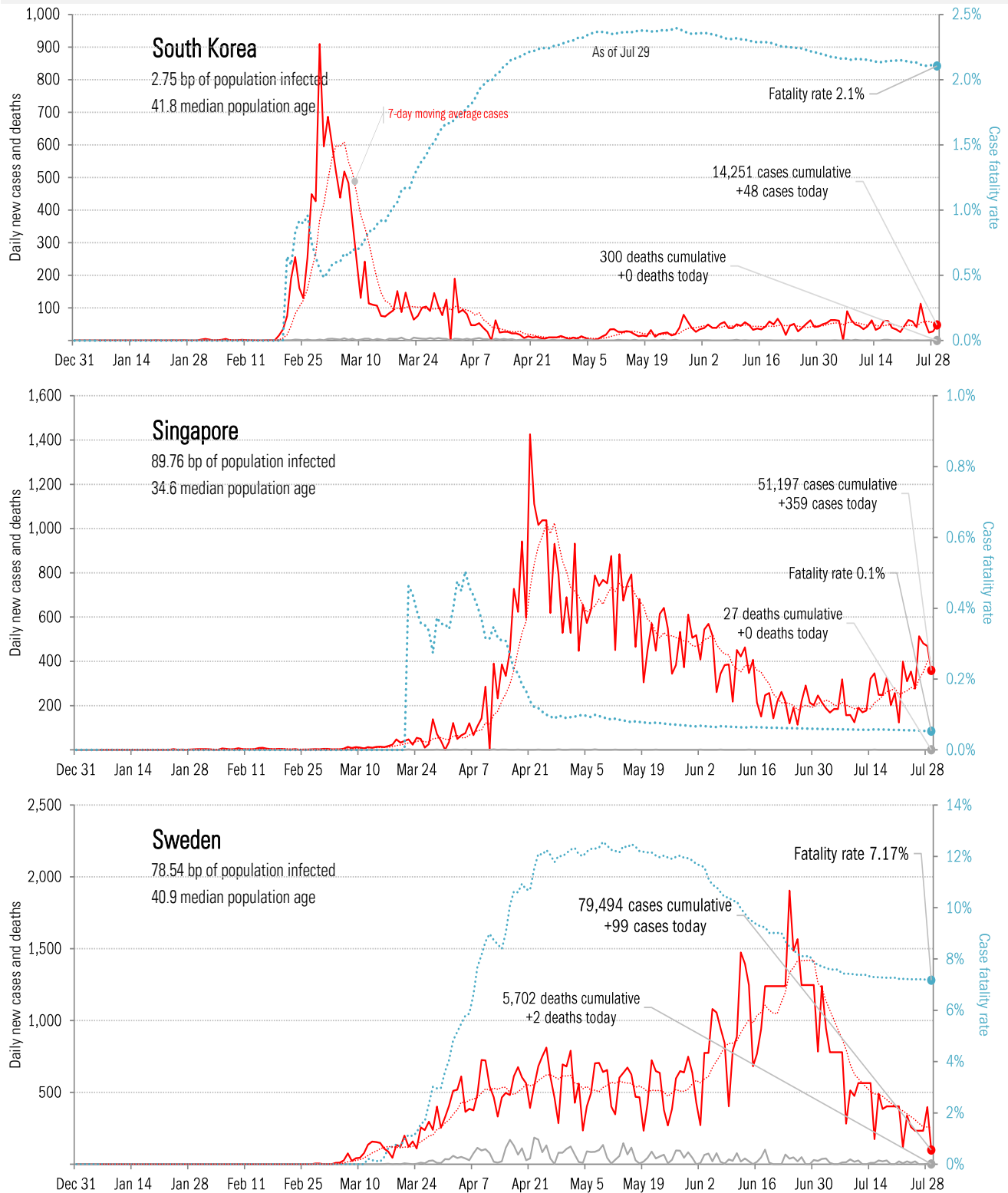
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



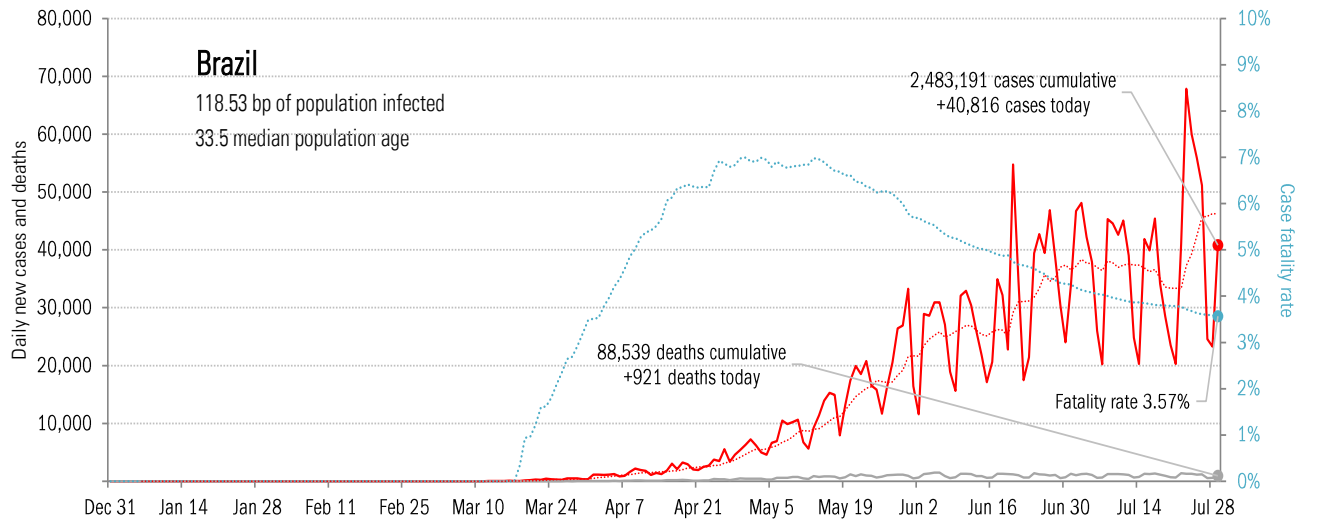
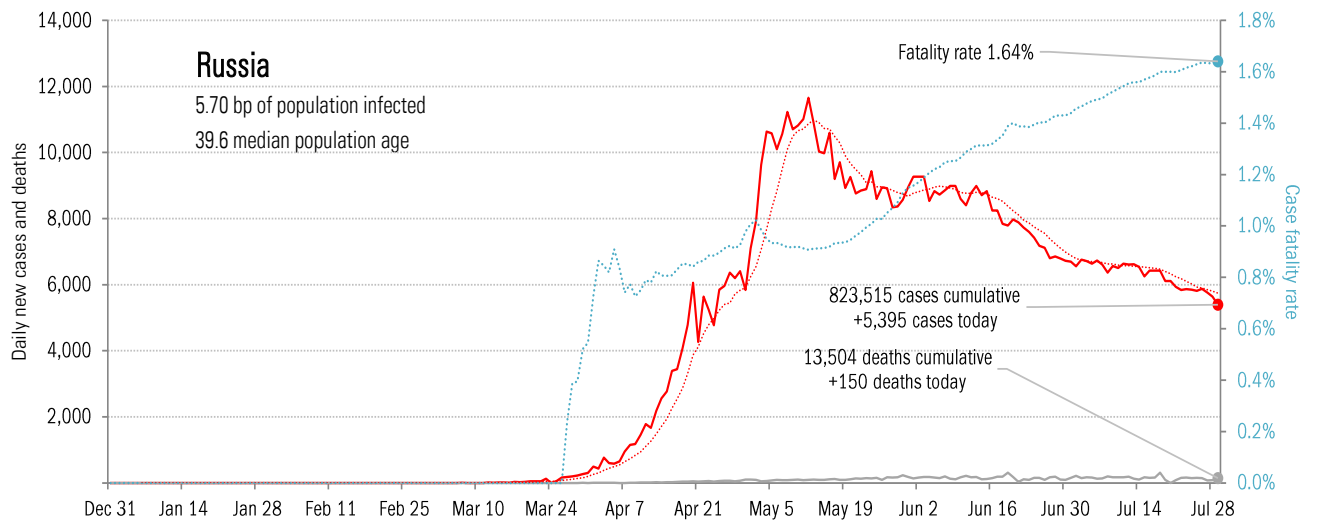
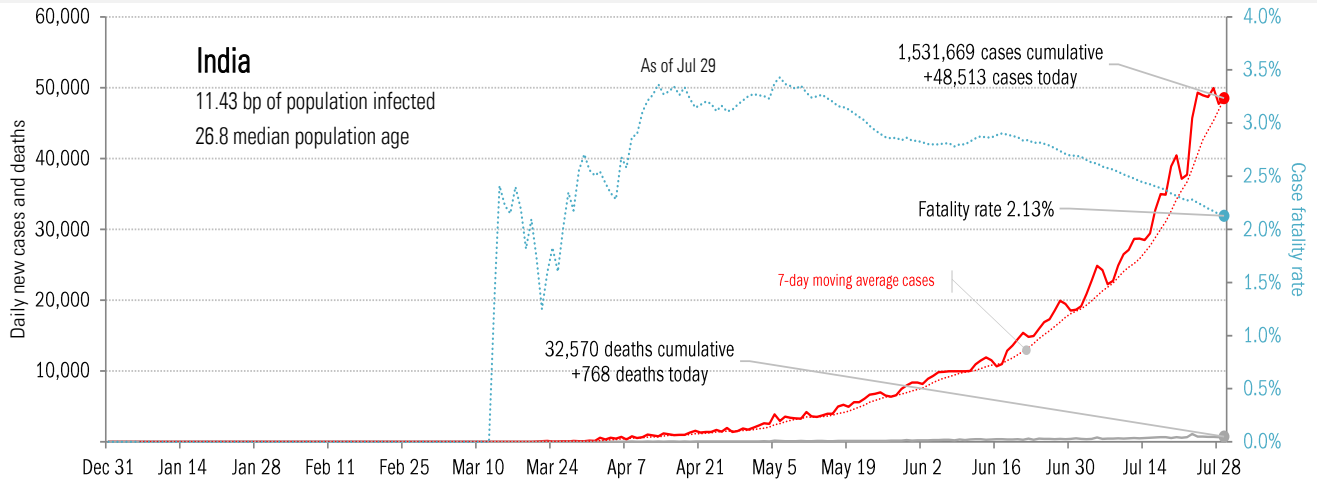
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



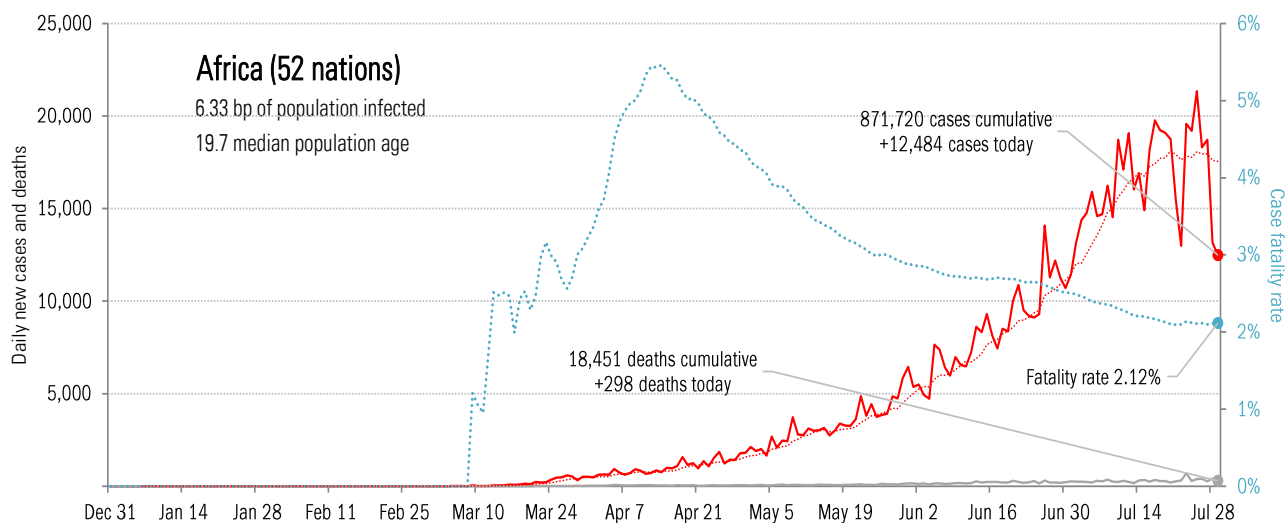
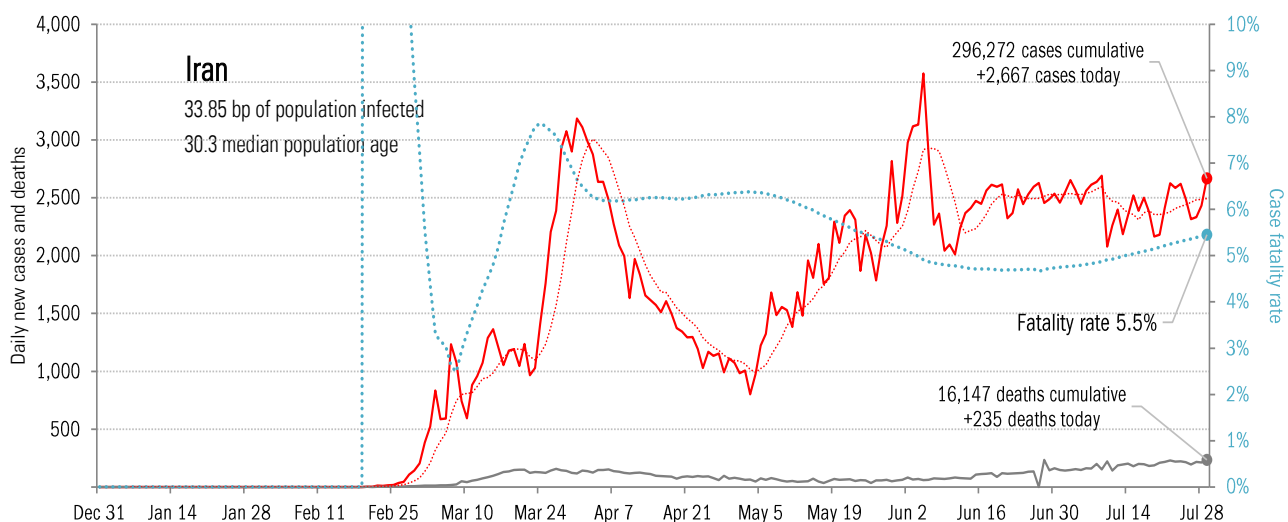
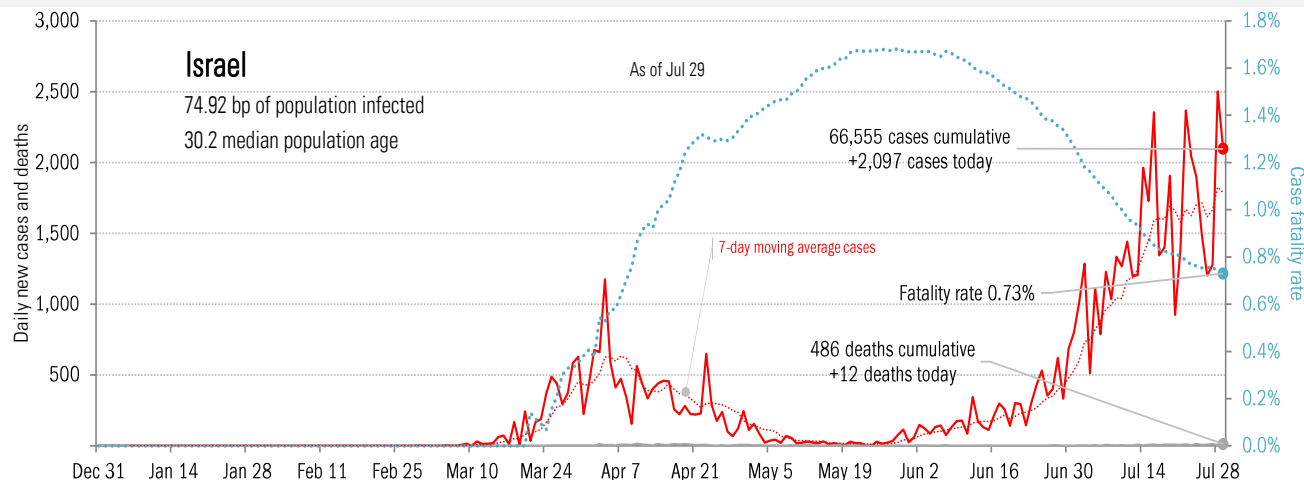
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations