

Data Insights: Covid-2019 Monitor

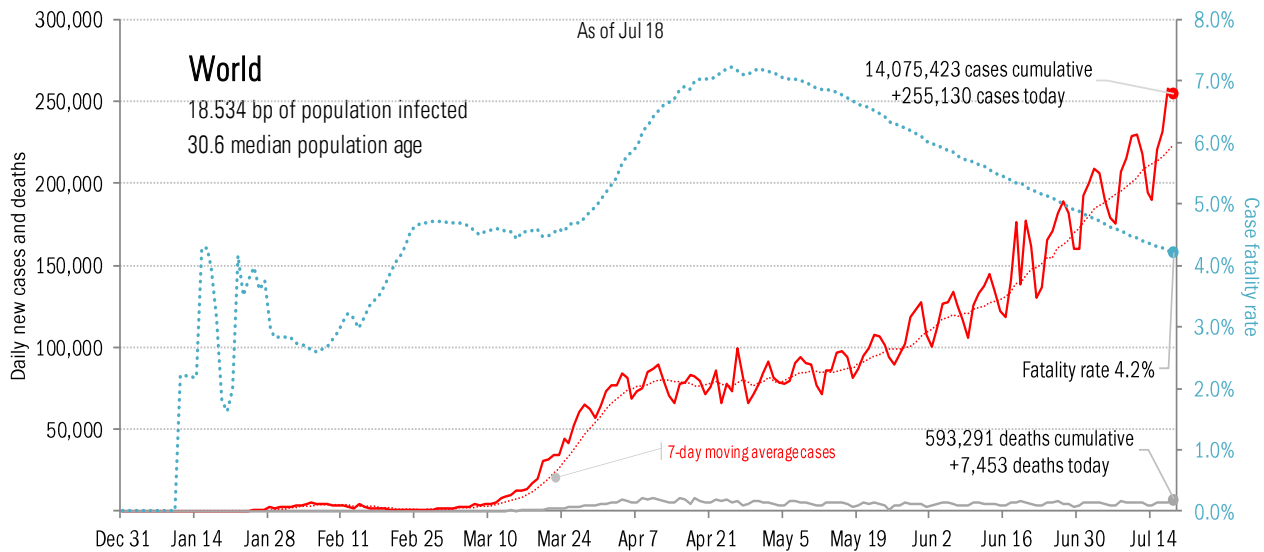
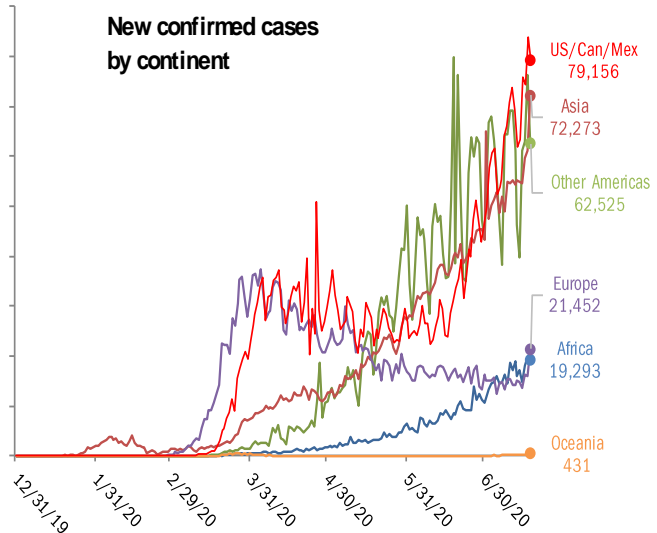
Saturday, July 18, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+71,494	Brazil	+1,163
India	+34,884	Chile	+1,057
Brazil	+34,177	US	+908
South_Africa	+13,373	Mexico	+736
Russia	+12,640	Kyrgyzstan	+733
Kyrgyzstan	+12,108	India	+671
Colombia	+8,934	Russia	+310
Mexico	+7,257	Colombia	+259
Argentina	+4,531	Peru	+184
Peru	+3,951	Iran	+183
+203,349		+6,204	
World	+255,130	World	+7,453
Top ten	80%	Top ten	83%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

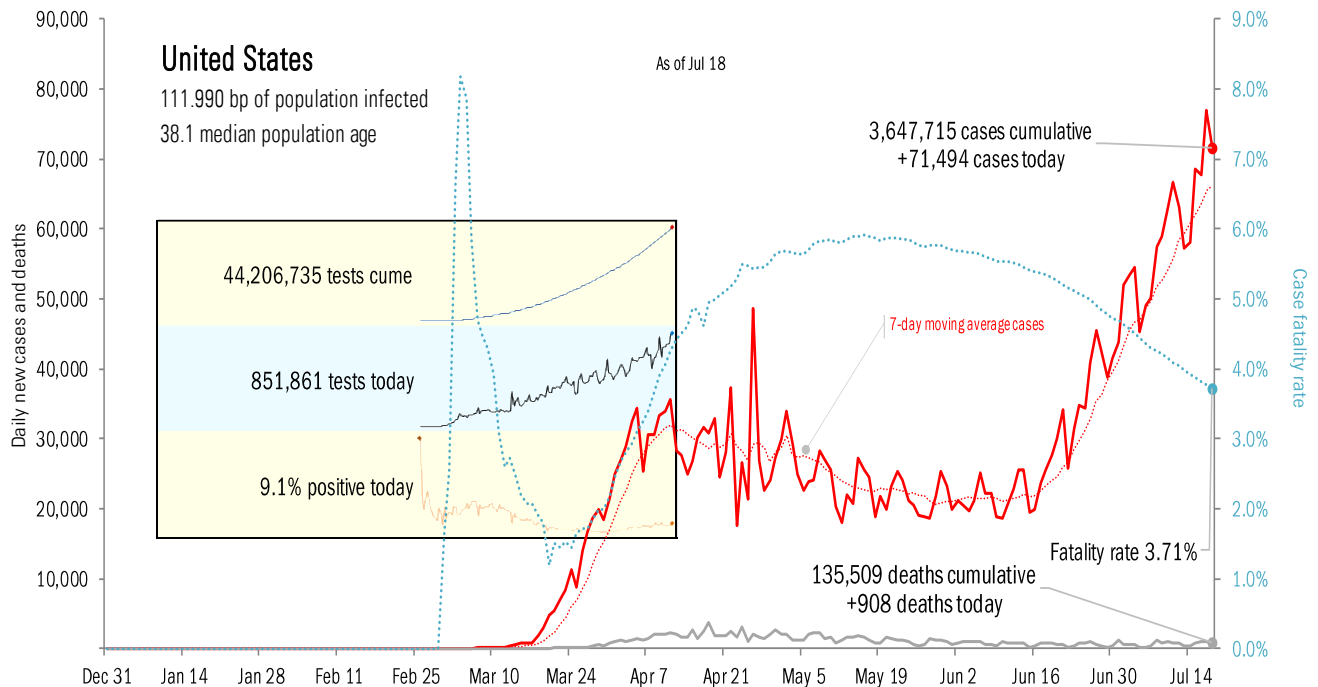
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
TX	+14,916	TX	+174	SC	+438	NY	405,551	NY	25,024	NY	89,995
FL	+11,466	CA	+130	FL	+372	CA	366,164	NJ	15,684	NJ	21,003
CA	+9,986	FL	+130	GA	+301	FL	327,241	MA	8,402	FL	20,526
AZ	+3,910	AZ	+91	VA	+276	TX	307,572	CA	7,475	GA	14,647
GA	+3,908	AL	+35	NJ	+229	NJ	176,551	IL	7,465	MD	11,728
TN	+2,279	GA	+28	CH	+121	IL	160,509	PA	6,992	MA	11,691
LA	+2,179	SC	+26	WA	+115	AZ	138,523	MI	6,355	VA	11,054
NC	+2,051	LA	+24	AZ	+106	GA	135,183	FL	4,912	CT	10,654
AL	+2,003	MS	+24	AR	+76	MA	112,879	CT	4,396	CH	9,445
SC	+1,977	MA	+22	OK	+71	PA	99,478	TX	3,735	IN	7,814
+54,675		+684		+2,105		2,229,651		90,440		208,557	
All states	+77,233	All states	+951	All states	+2,678	All states	3,626,881	All states	131,523	All states	274,436
Top ten	71%	Top ten	72%	Top ten	79%	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	
FL	-2,499	SC	-46	AL	-293	TX	+6,254
OR	-411	NJ	-39	FL	-123	TN	+1,484
AK	-352	FL	-26	CT	-102	KY	+1,272
IA	-251	CH	-19	AZ	-87	CH	+972
UT	-227	IL	-12	OR	-41	PA	+785



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

Recommended reading

[Coronavirus Gives Cover to Hard Calls](#)

Matthew Hennessey
Wall Street Journal
July 17, 2020

[Accommodating Dysfunction](#)

Erica Sandberg
City Journal
June 24, 2020

[CDC Employees Made More Than 8,000 Federal Contributions To PACs And Politicians Since 2015. Only 5 Went To Republican Causes, FEC Records Show](#)

Spencer Landis
Daily Caller
July 17, 2020

[The impact of host resistance on cumulative mortality and the threshold of herd immunity for SARS-CoV-2](#)

Jose Lourenco et al.
medRxiv
July 16, 2020

[Questions raised after fatal motorcycle crash listed as COVID-19 death](#)

Danielle Lama
Fox35
July 17, 2020

[SARS-CoV-2-specific T cell immunity in cases of COVID-19 and SARS, and uninfected controls](#)

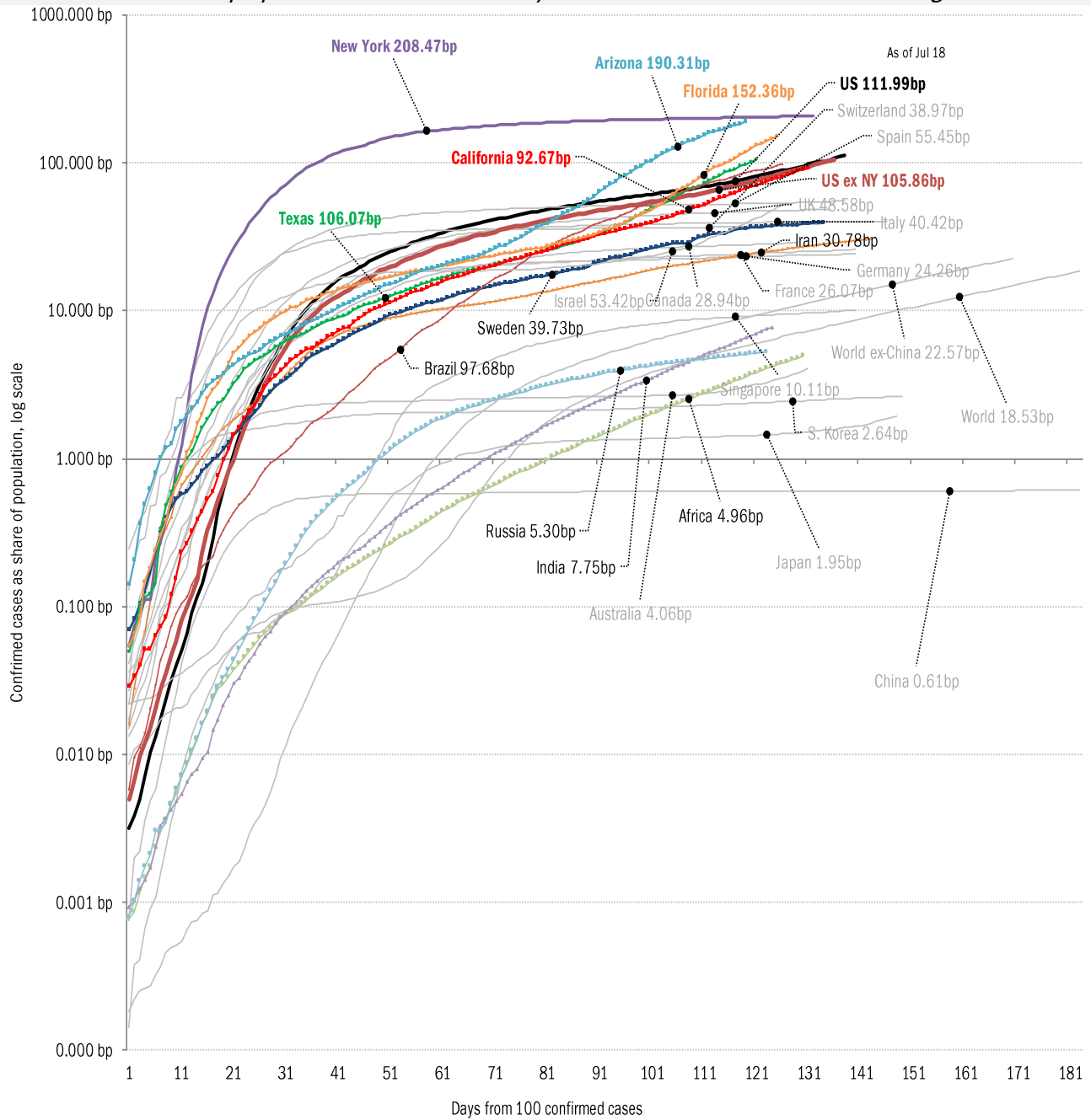
Nina Le Bert et al.
Nature
July 15, 2020

Meme of the day



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

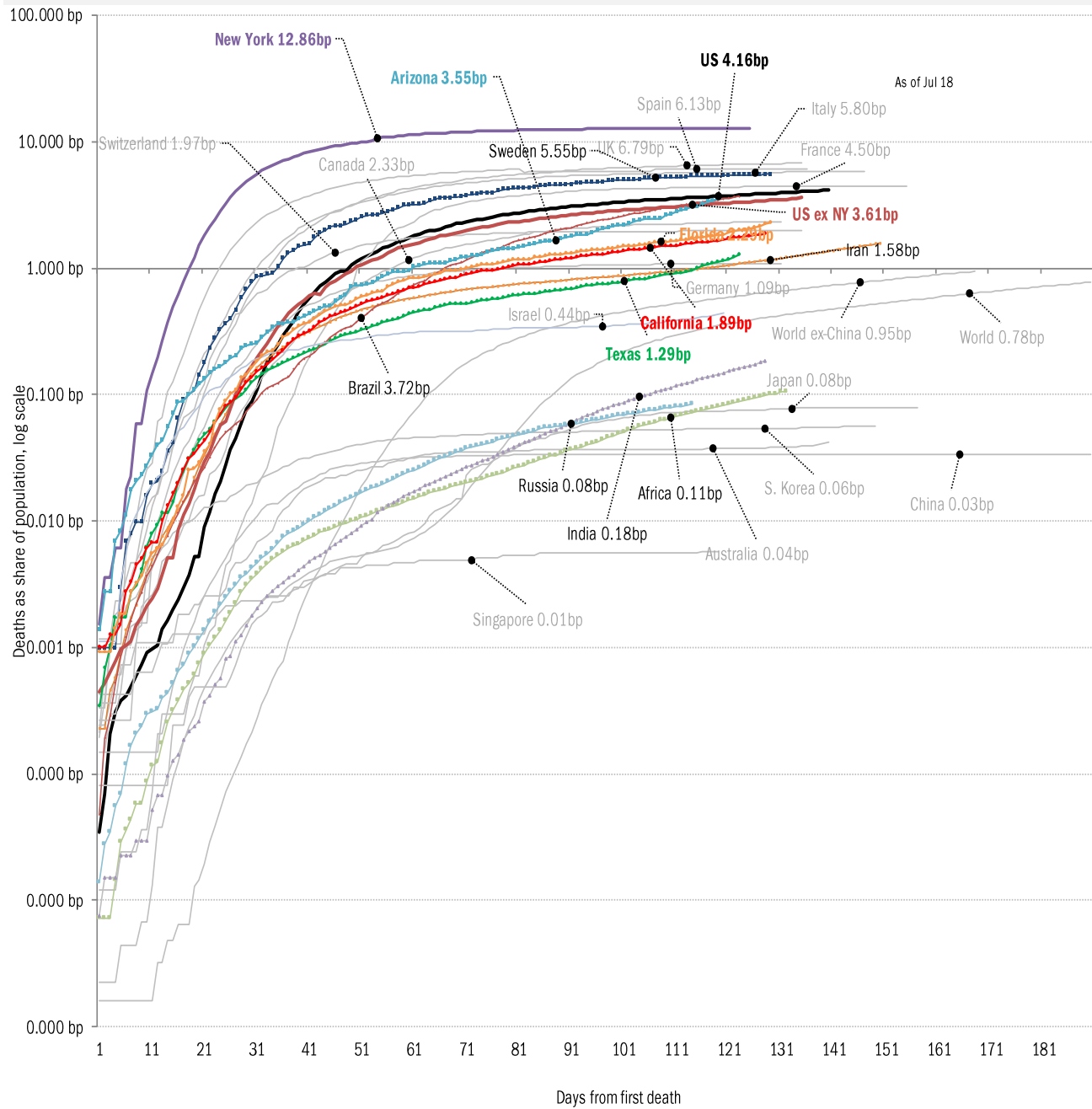
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

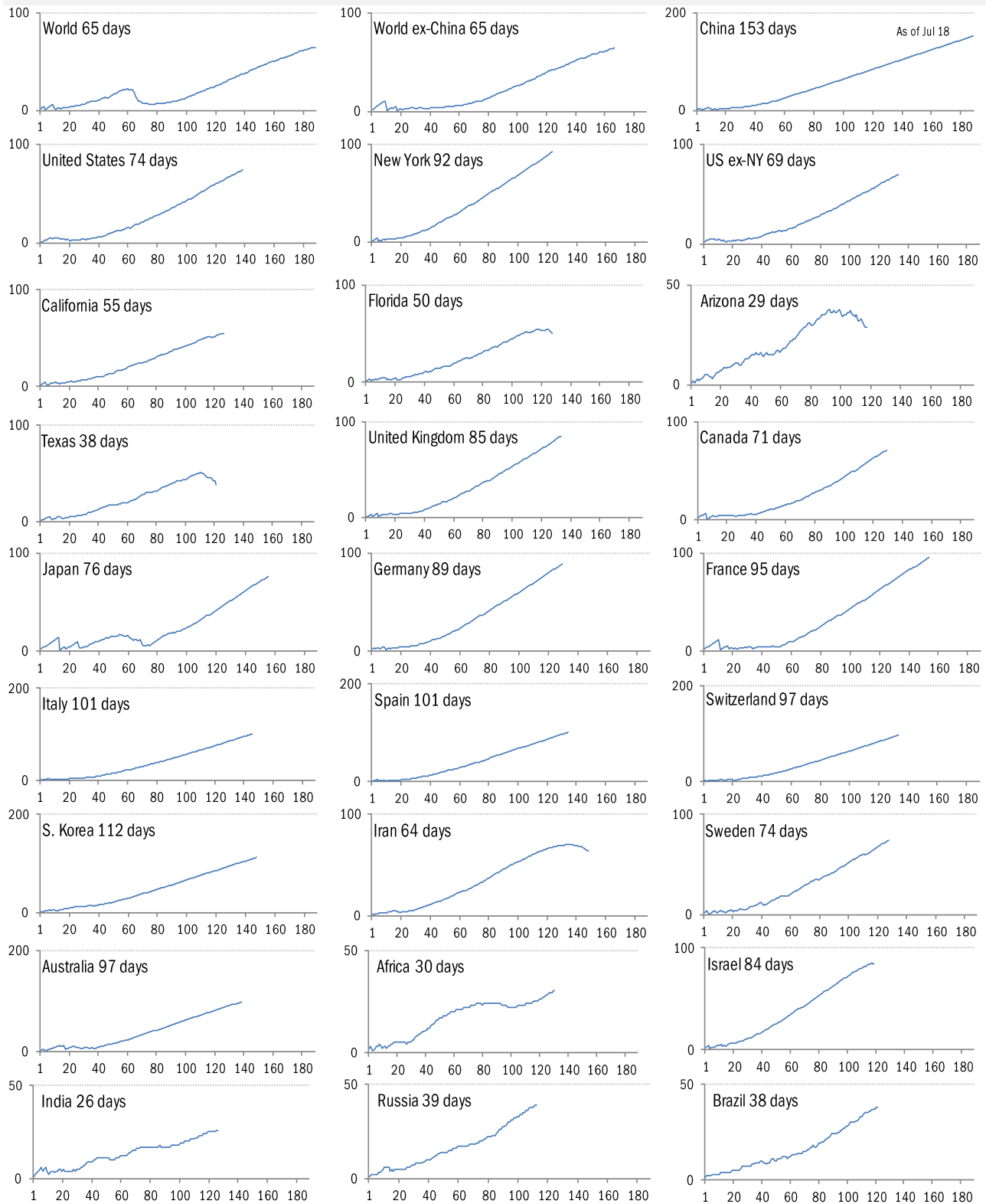
Share of deceased population from day of first fatality



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

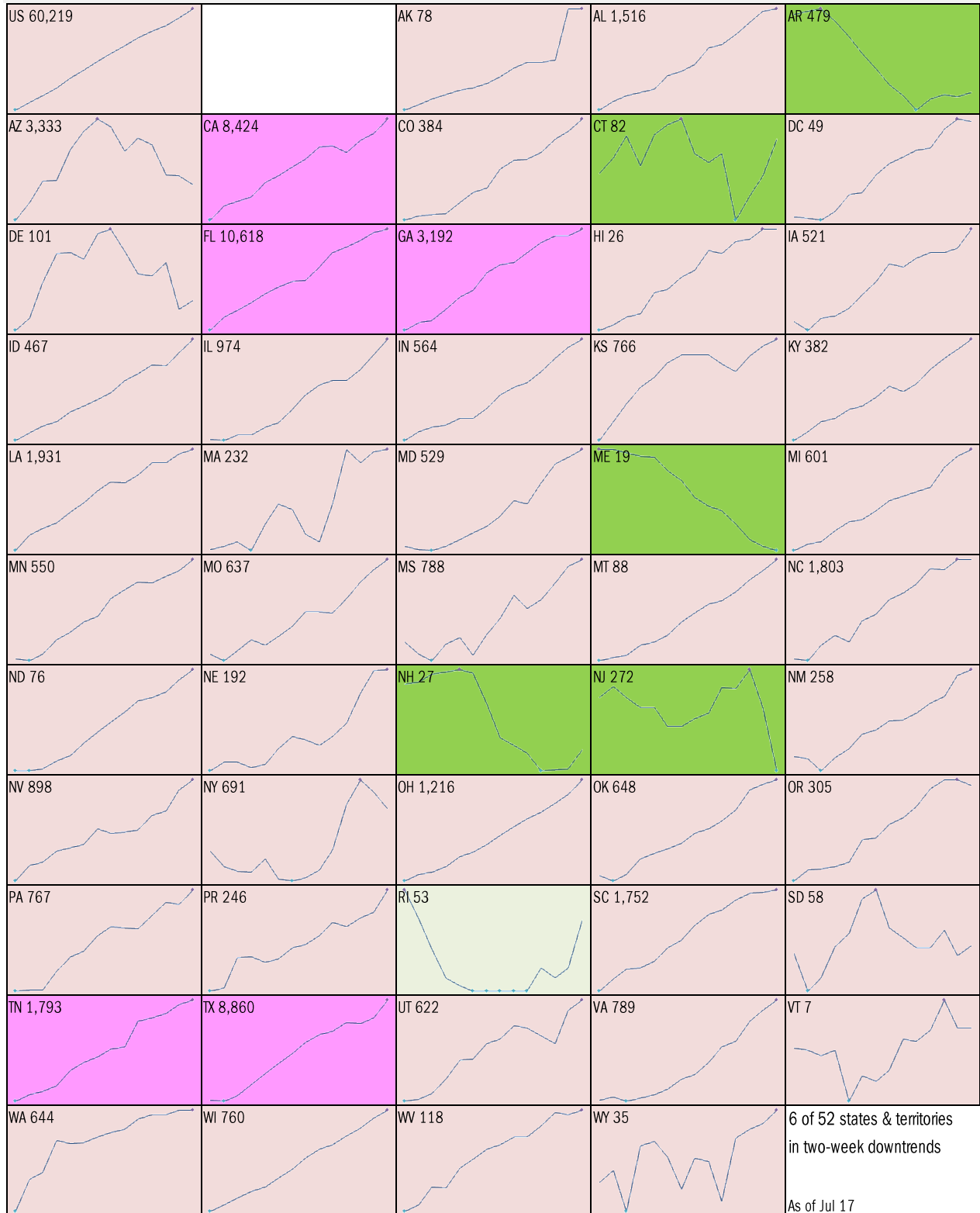


Source: [ECDC](#), TrendMacro calculations

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



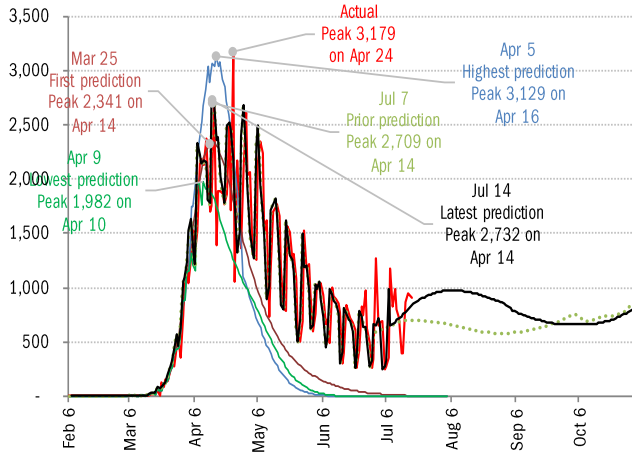
Source: [Covid Tracking Project](#), TrendMacro calculations

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

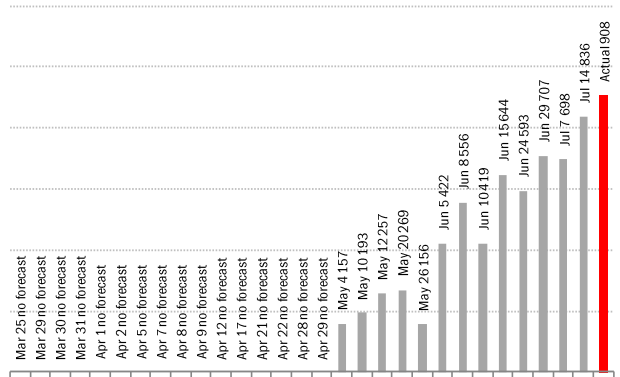
New daily fatalities

As of Jul 18

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

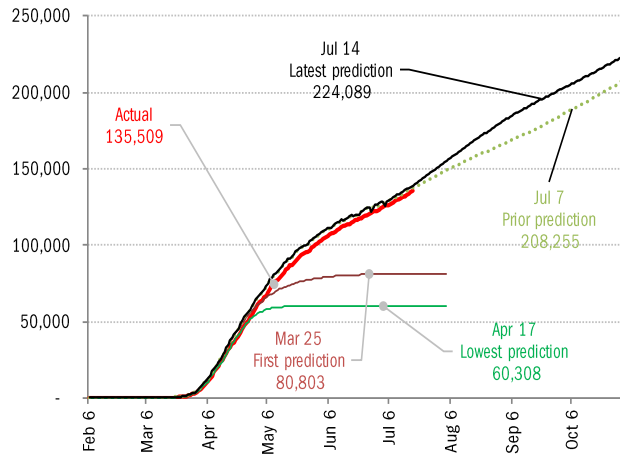


For this day, versus all model mean predictions

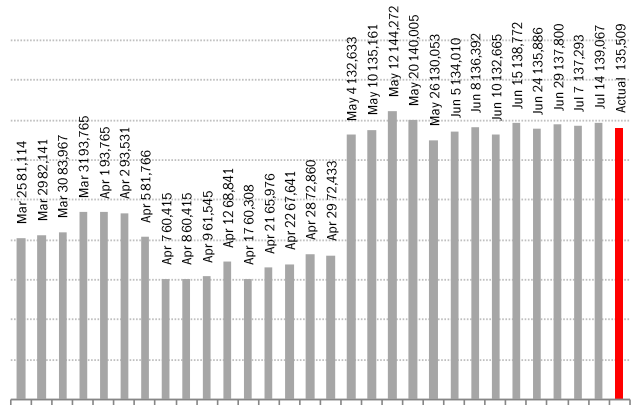


Cumulative fatalities

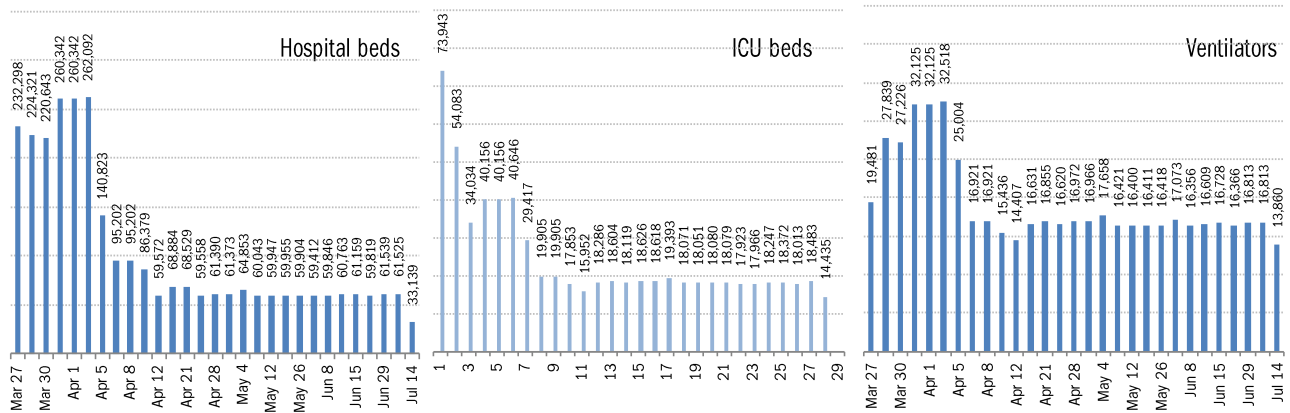
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

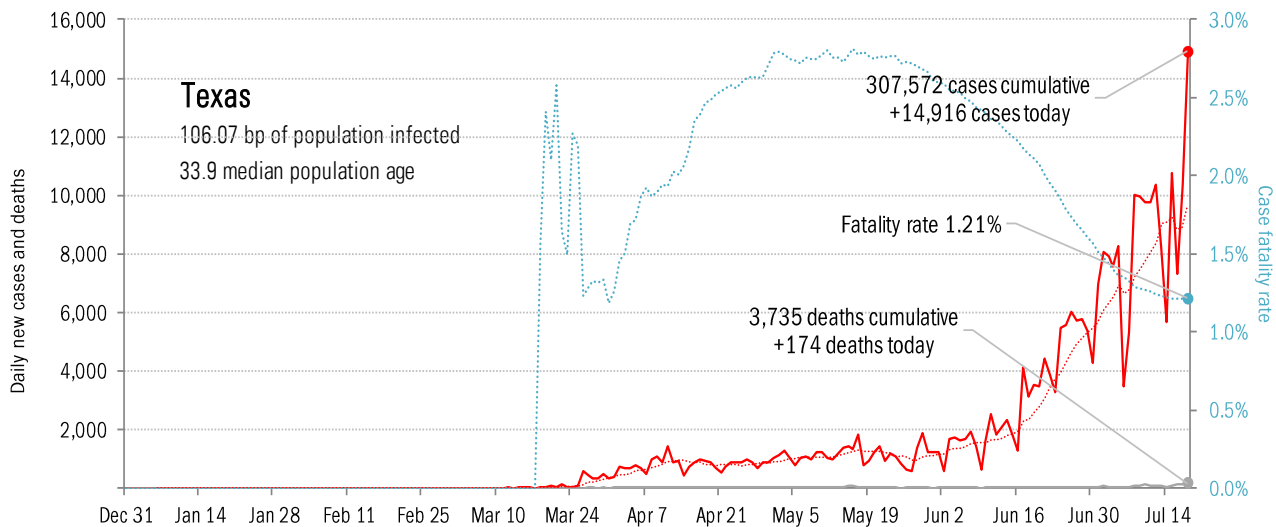
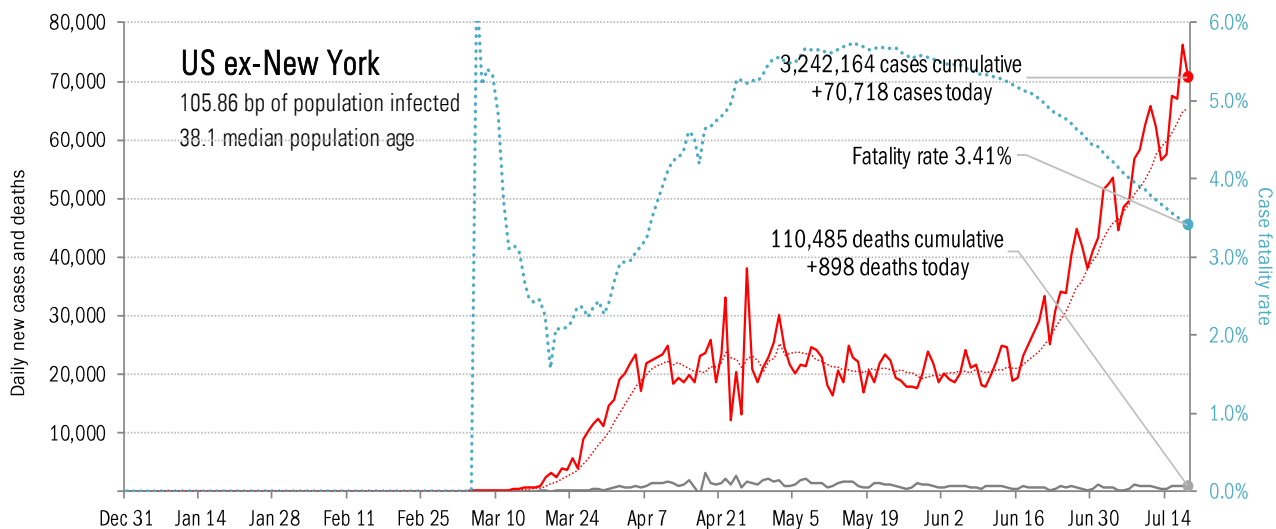
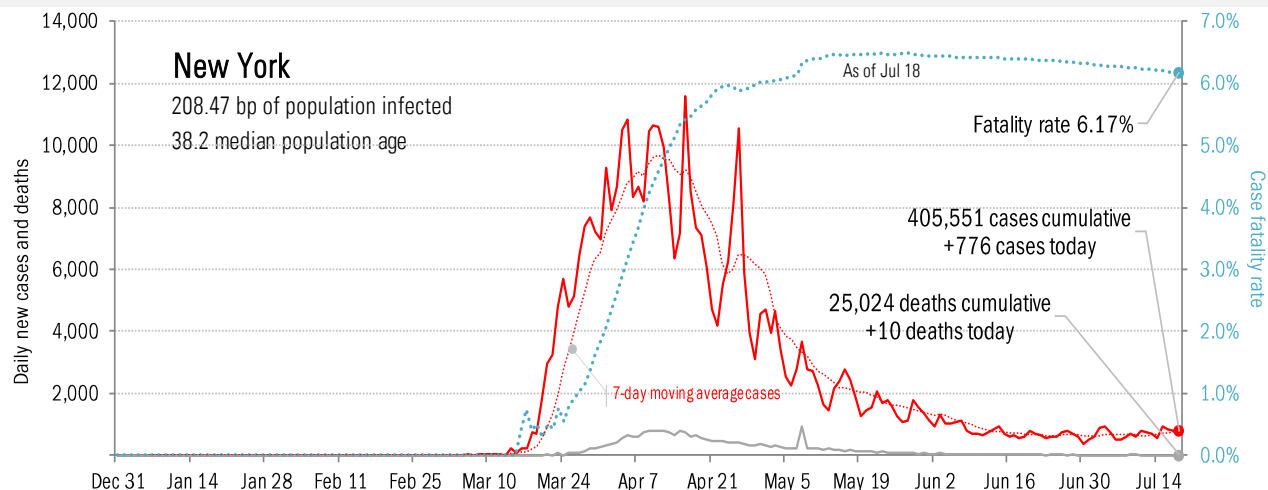


Healthcare system stress, peak estimated at each model revision



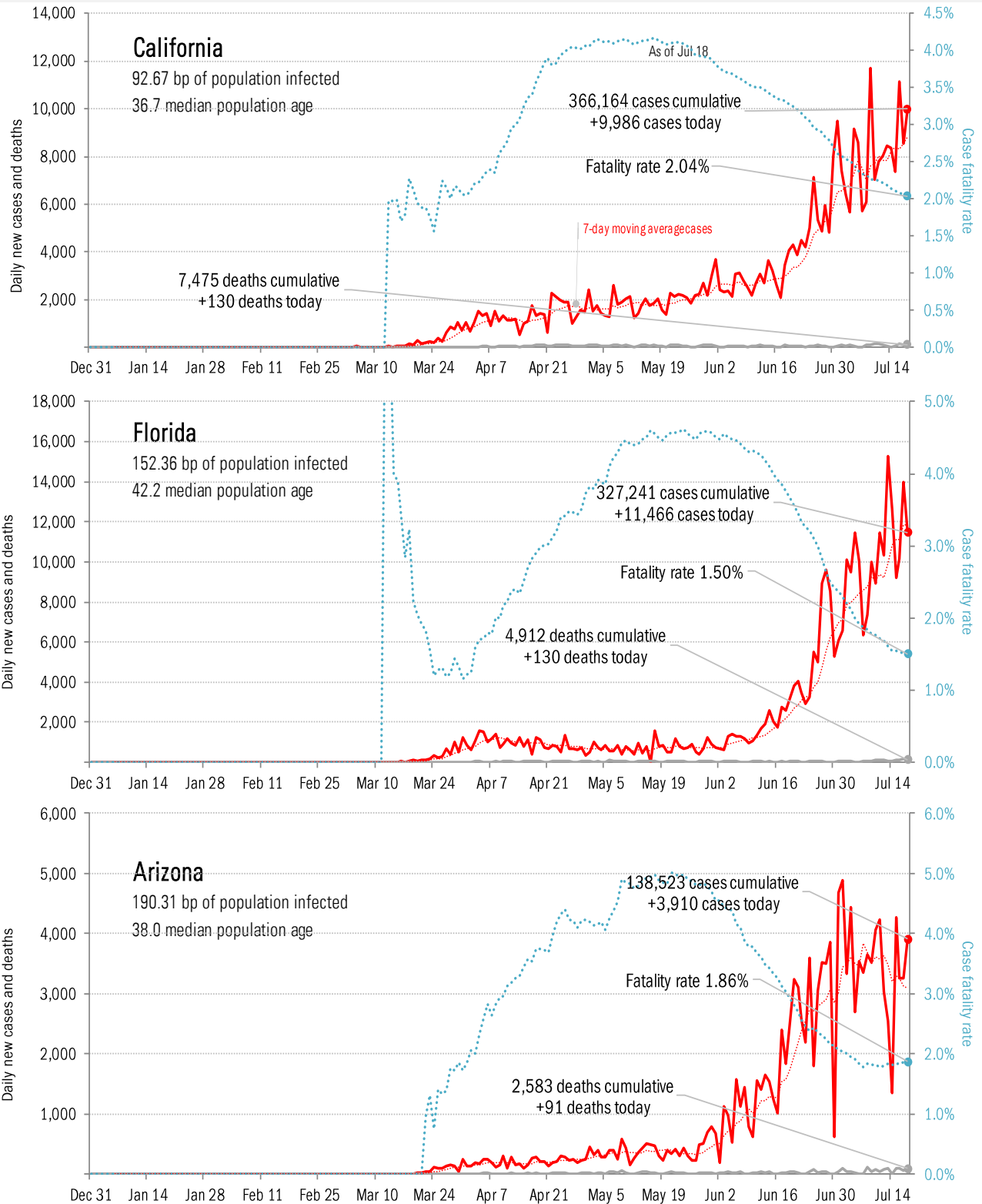
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



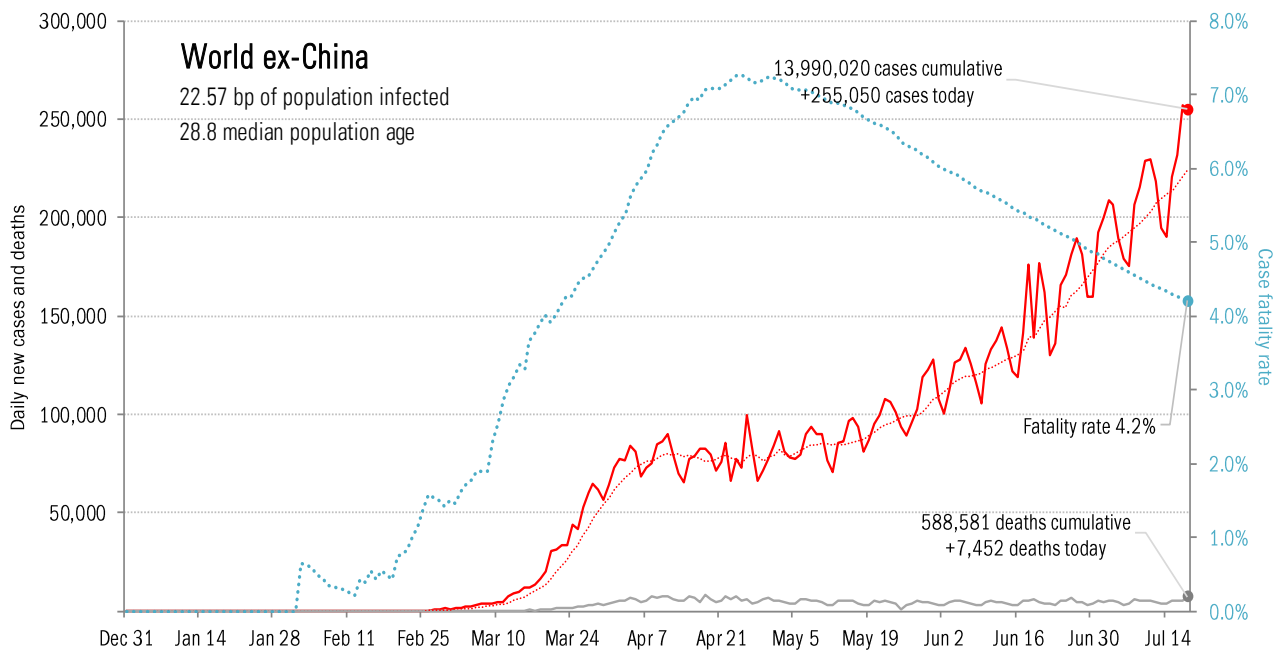
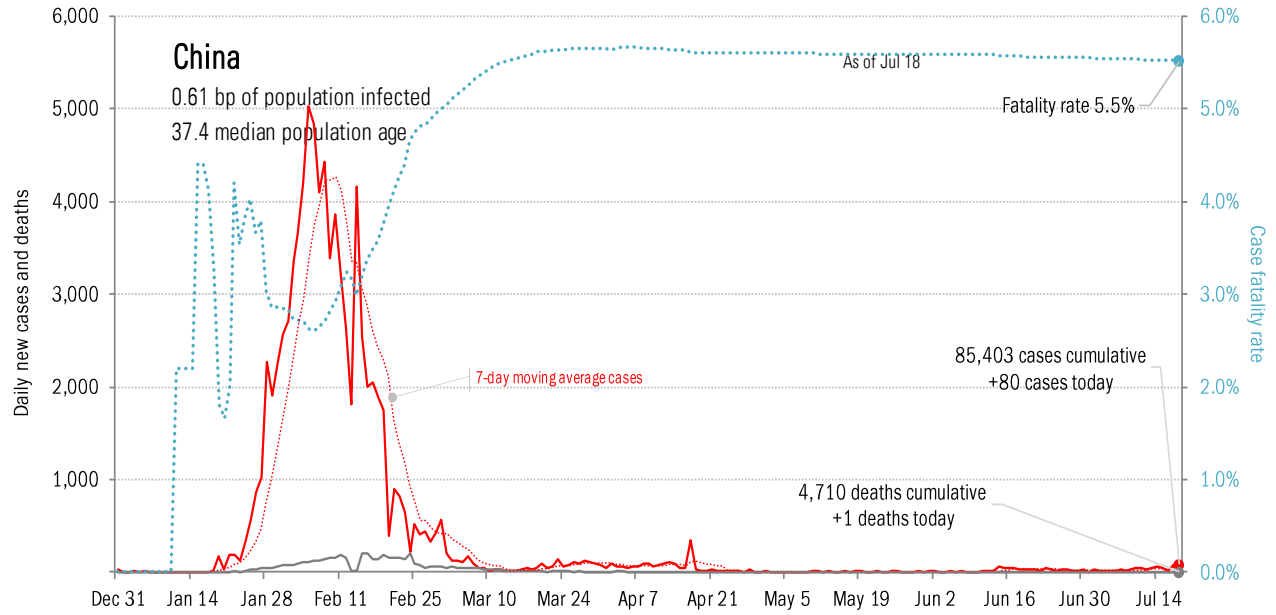
Source: [ECDC](#), TrendMacro calculations

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



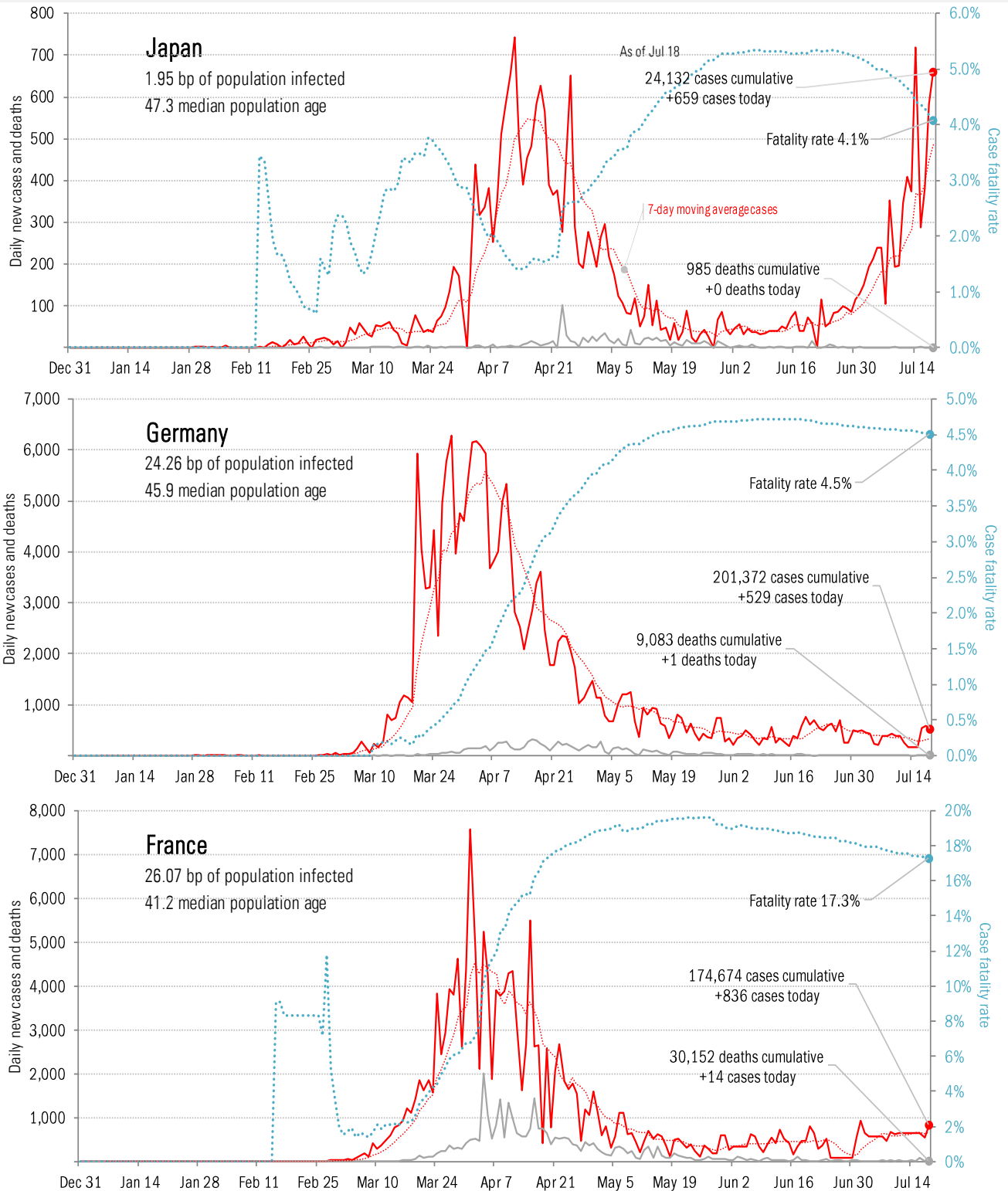
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



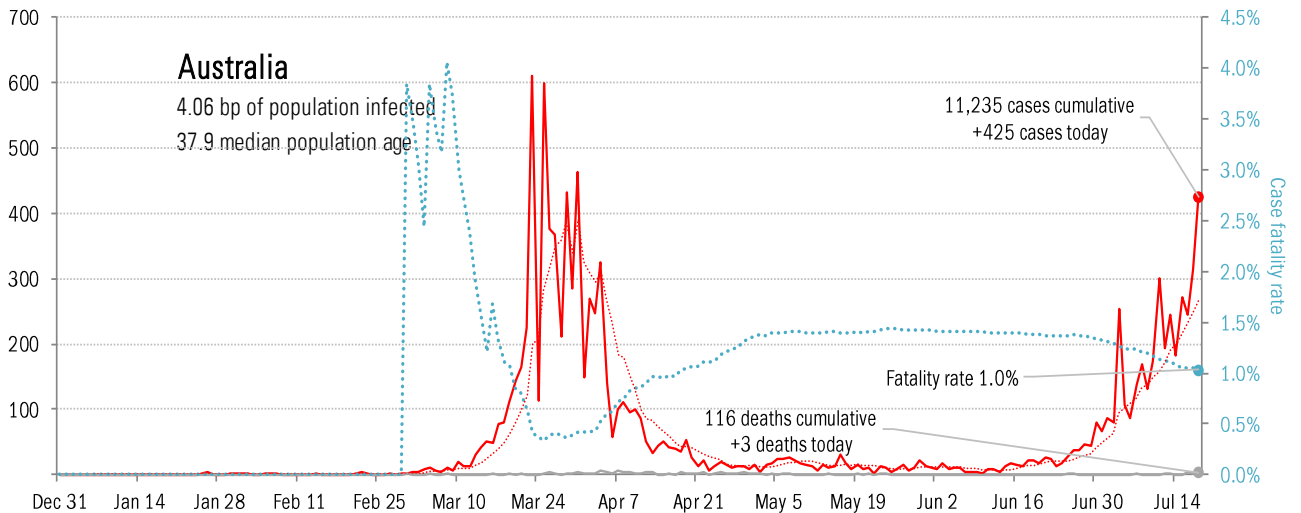
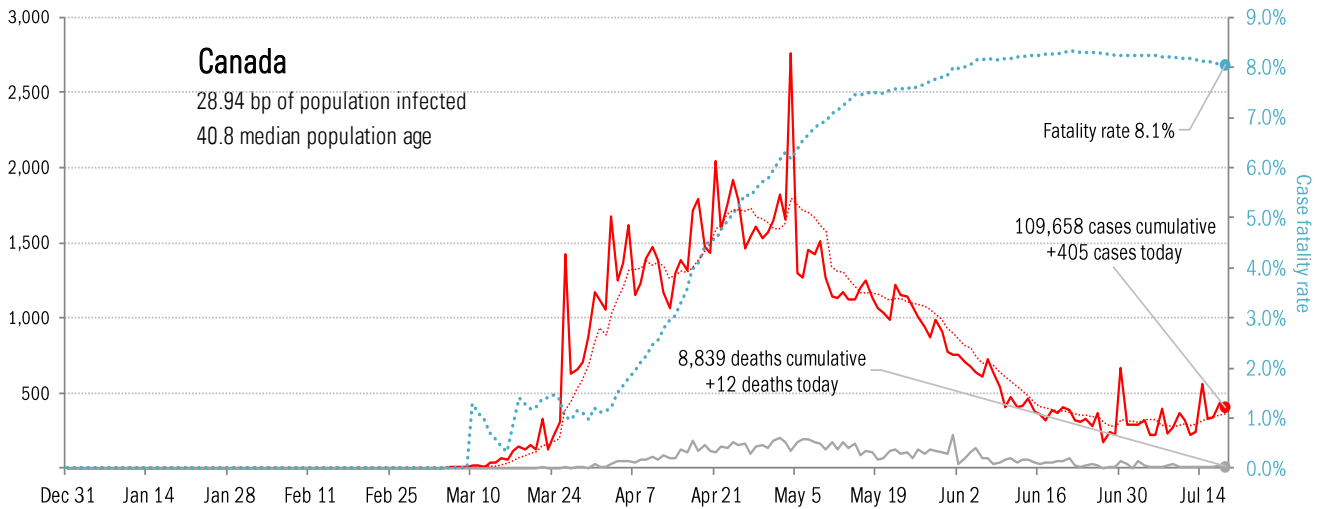
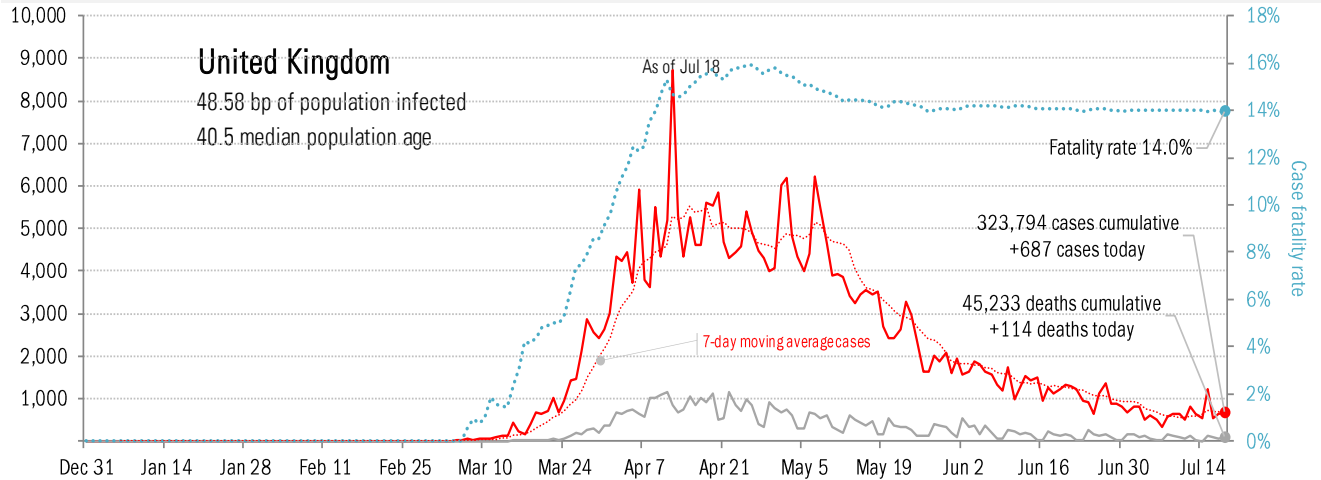
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



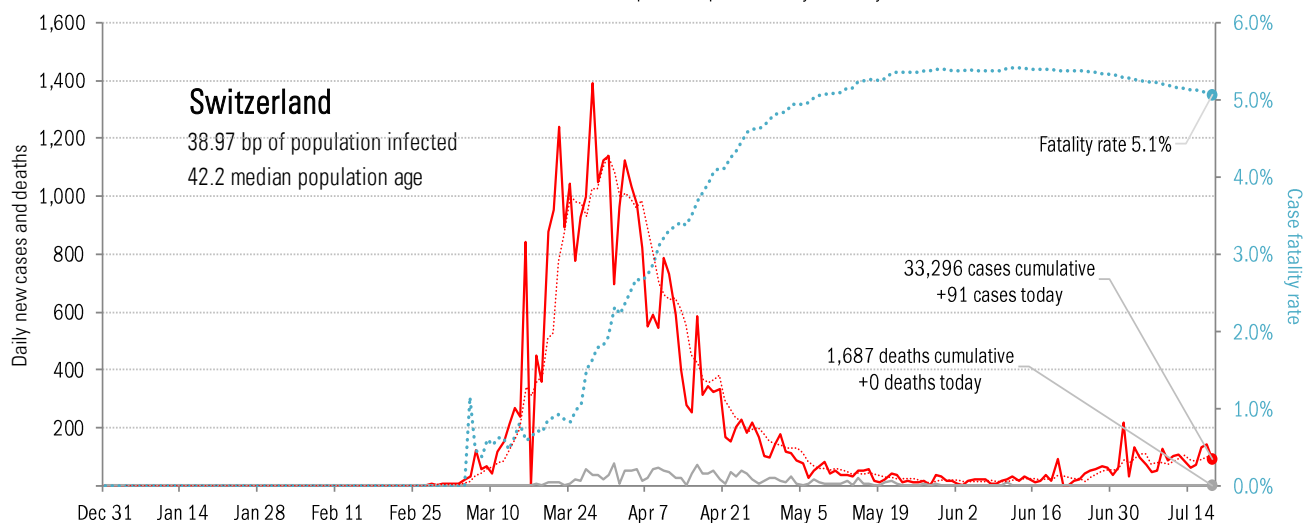
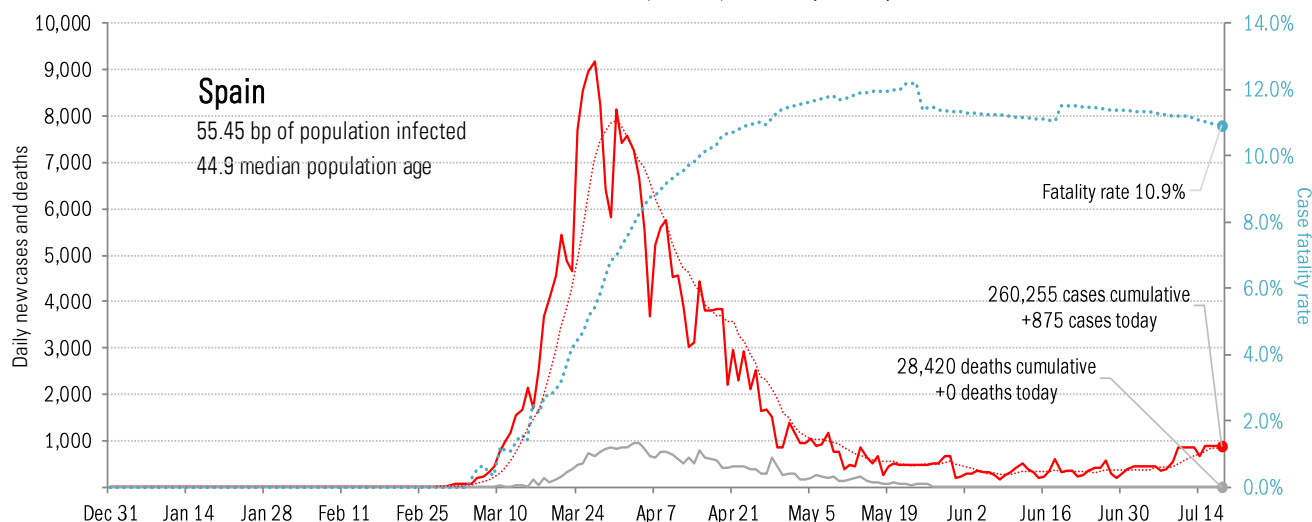
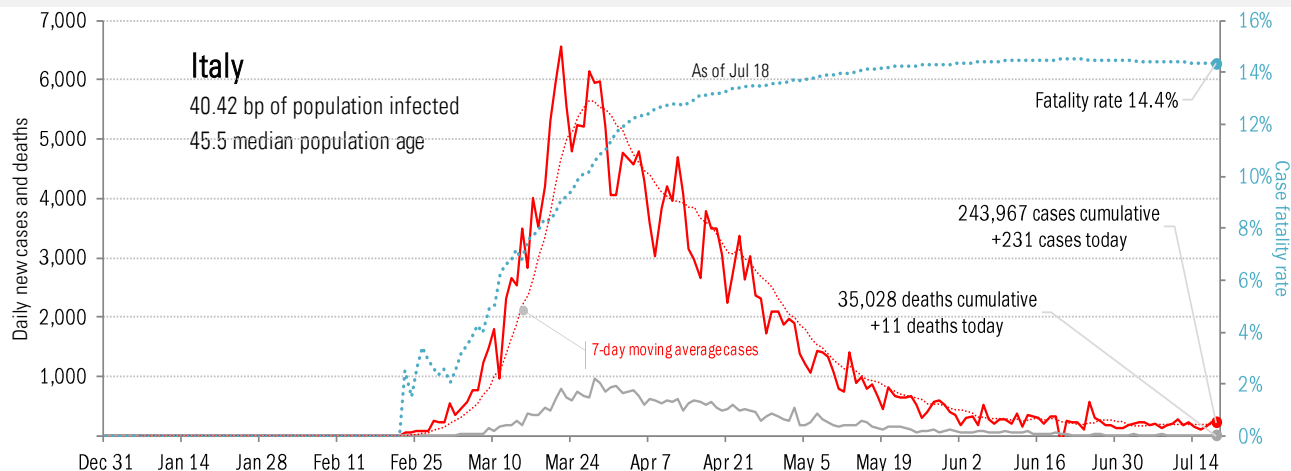
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



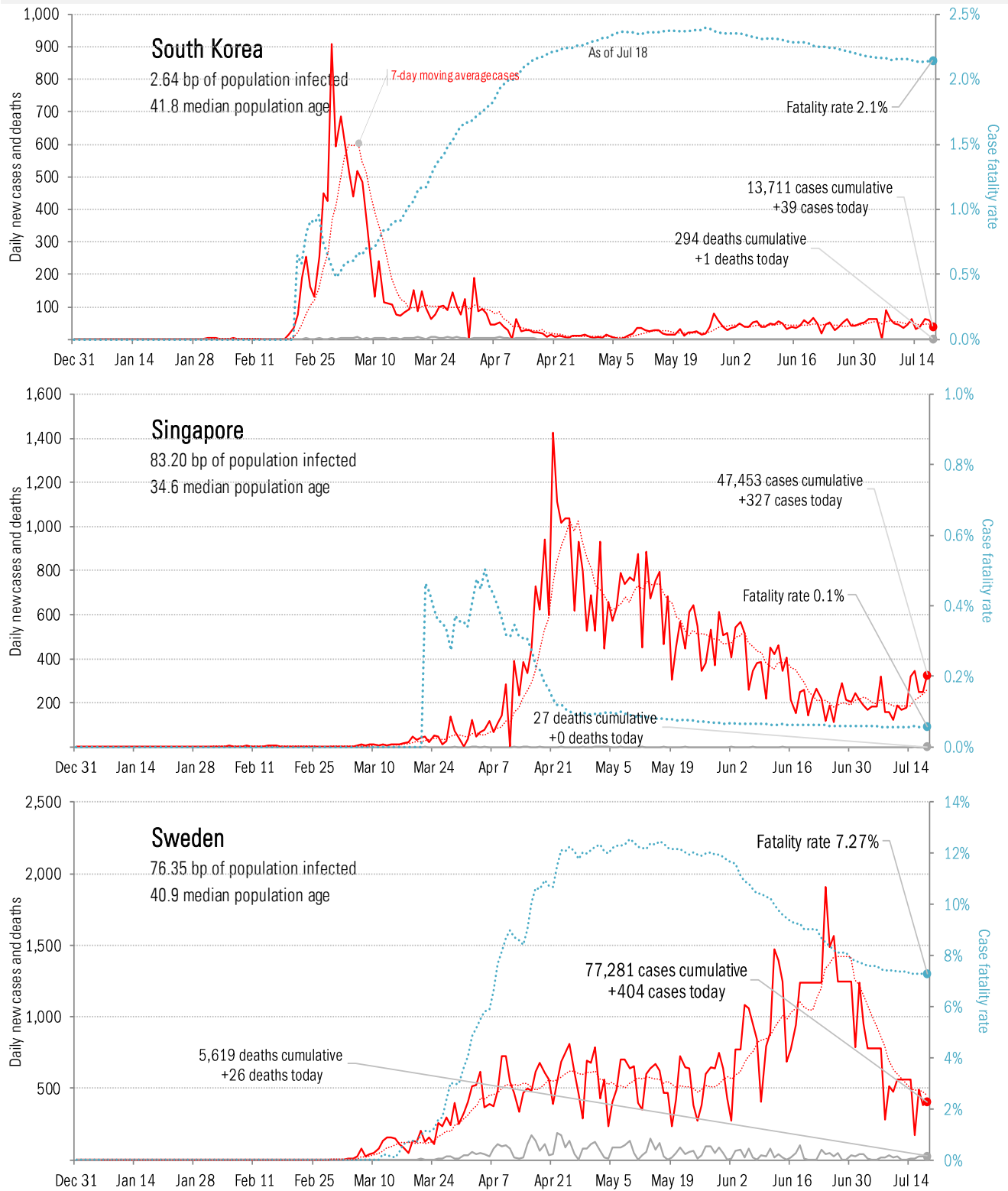
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



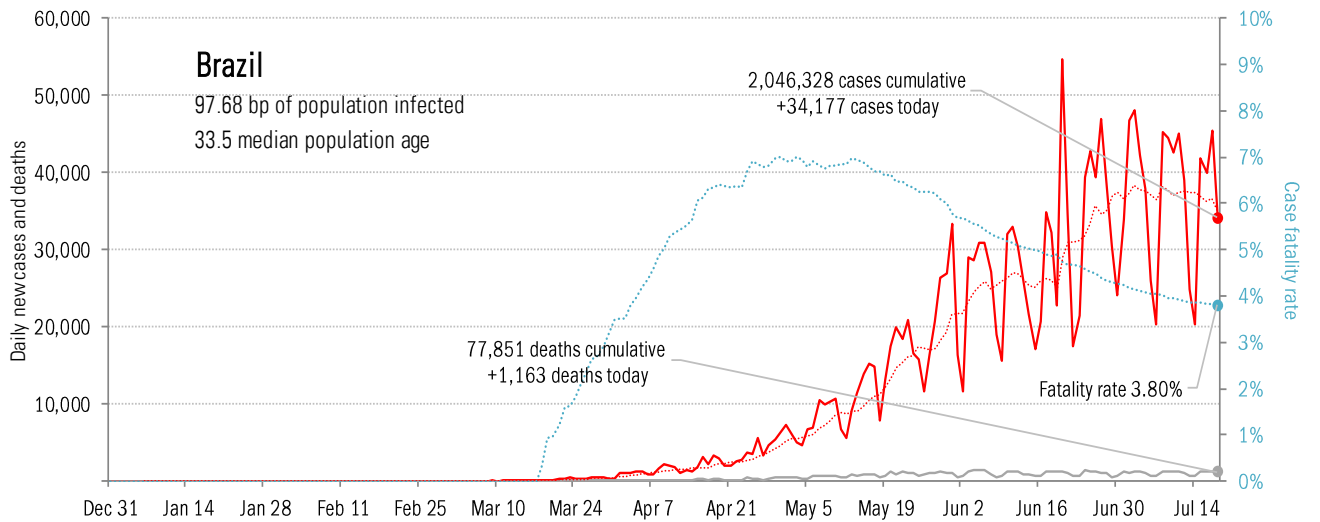
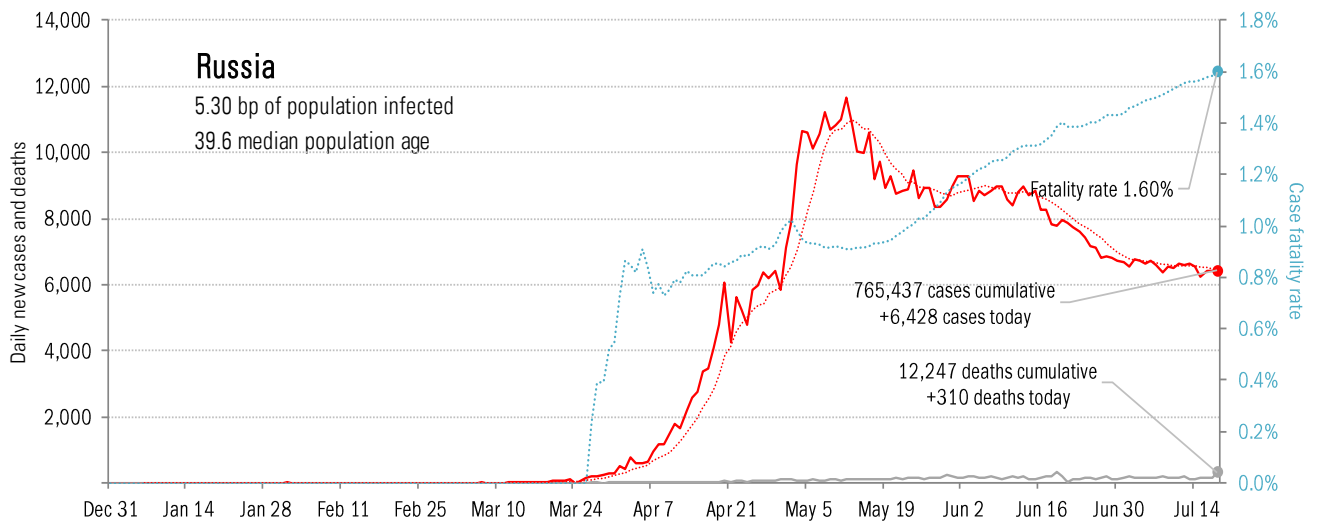
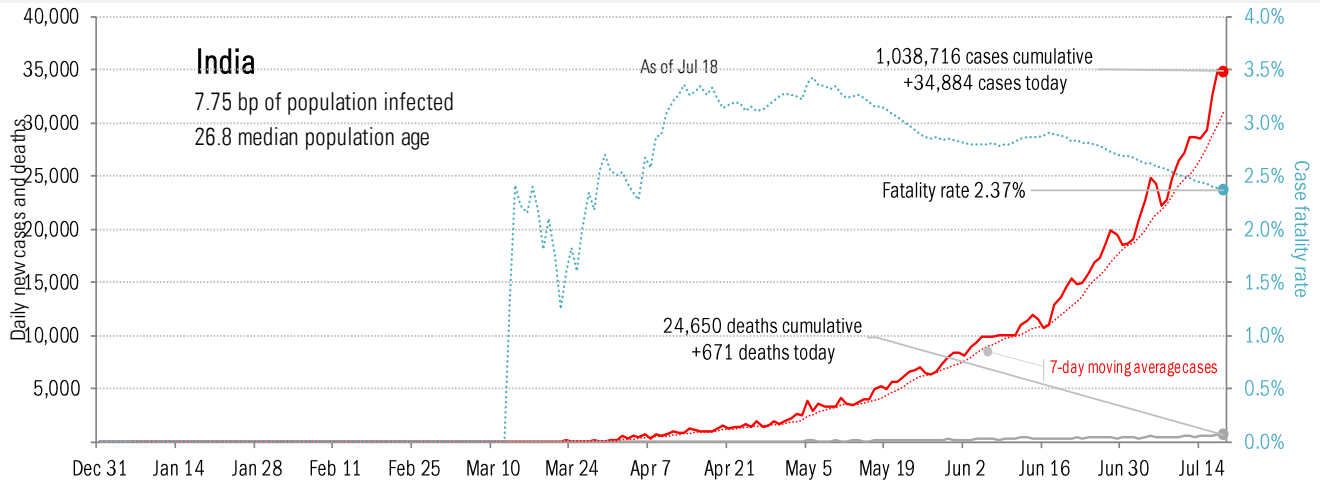
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



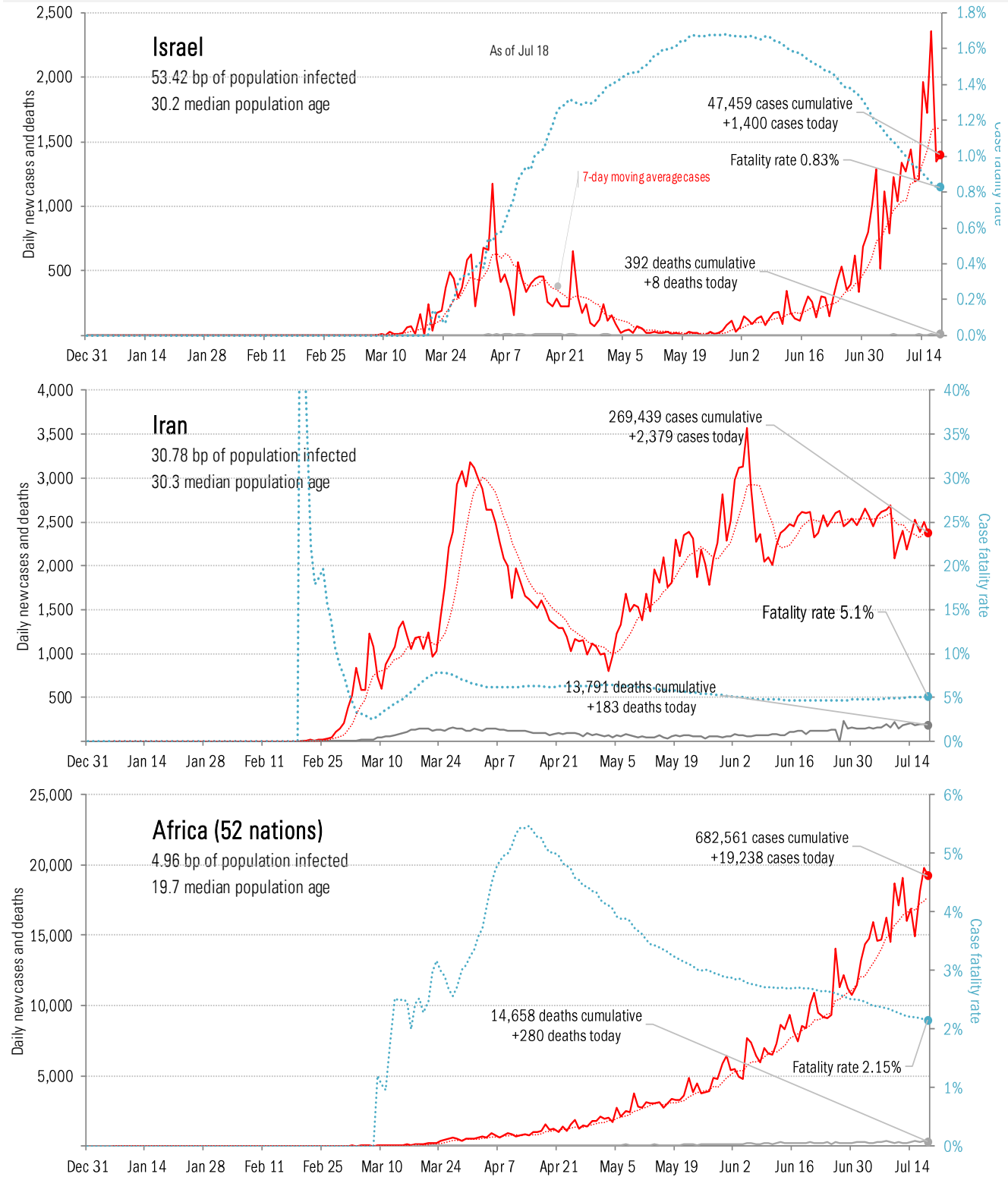
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations