

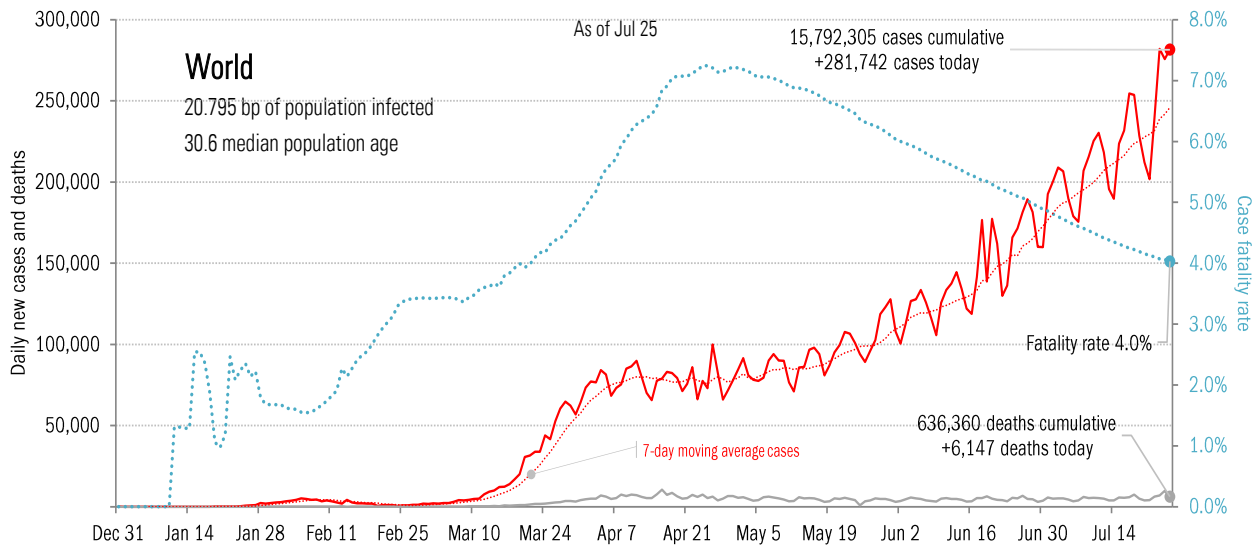
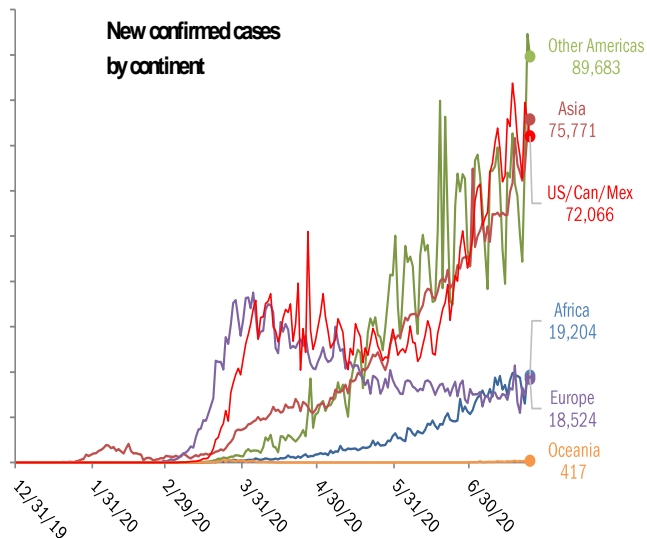
Data Insights: Covid-2019 Monitor

Saturday, July 25, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+78,427	US	+1,304
Brazil	+55,891	Brazil	+1,156
India	+48,916	India	+757
South_Africa	+13,944	Mexico	+737
Mexico	+7,573	Colombia	+287
Colombia	+7,168	South_Africa	+250
Argentina	+6,127	Peru	+189
Russia	+5,811	Russia	+154
Peru	+4,865	UK	+123
Bangladesh	+2,548	Argentina	+105
+231,270		+5,062	
World	+281,742	World	+6,147
Top ten	82%	Top ten	82%



Source: [ECDC](https://ecdc.europa.eu/en), TrendMacro calculations

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

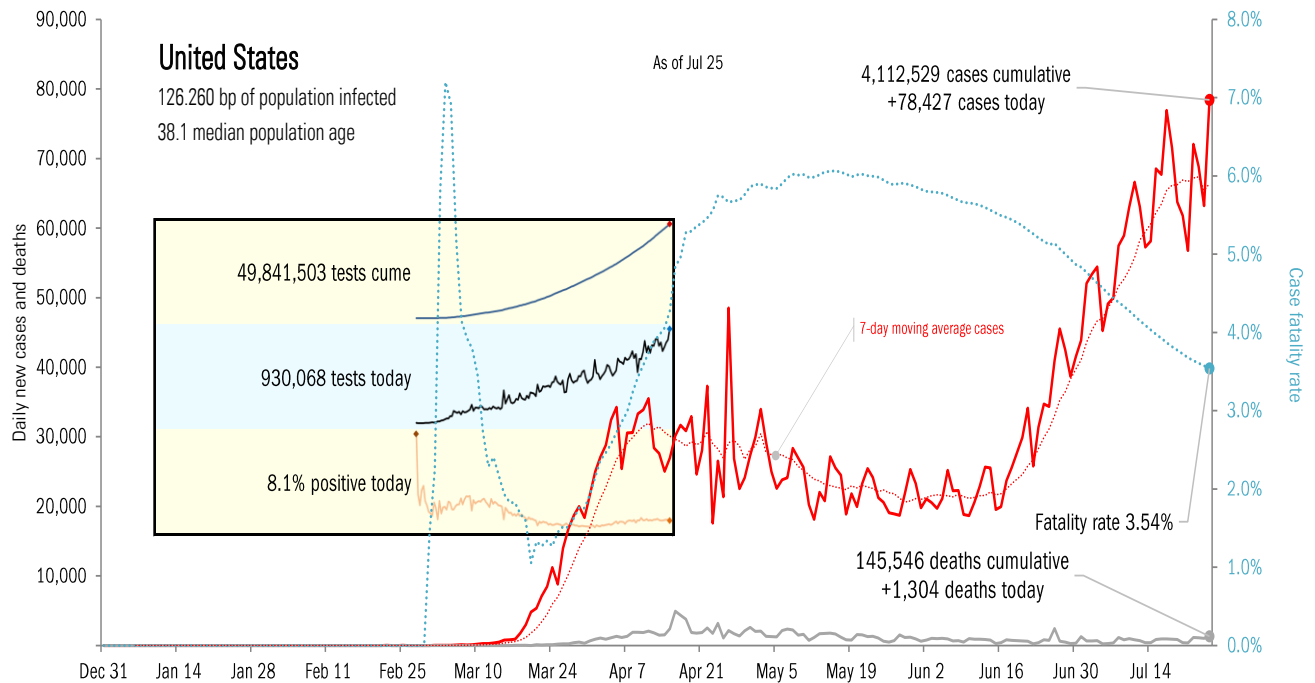
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
FL	+12,444	TX	+196	FL	+584	CA	435,334	NY	25,090	NY	89,995
CA	+9,718	CA	+159	GA	+399	NY	410,450	NJ	15,765	FL	23,575
TX	+8,701	FL	+136	SC	+329	FL	402,312	MA	8,484	NJ	21,184
GA	+4,813	GA	+82	KY	+327	TX	369,826	CA	8,186	GA	16,752
AZ	+3,357	AZ	+79	AZ	+225	NJ	178,345	IL	7,577	MD	12,119
NC	+2,102	SC	+51	AL	+162	IL	169,699	PA	7,101	VA	11,826
TN	+2,091	DE	+49	VA	+129	GA	161,401	MI	6,400	MA	11,770
LA	+2,084	AL	+41	CH	+104	AZ	156,301	FL	5,768	CT	10,712
SC	+2,001	CH	+41	TN	+104	MA	114,647	TX	4,717	CH	10,072
AL	+1,793	NJ	+35	OK	+91	NC	108,995	CT	4,413	AL	9,157
+49,104		+869		+2,454		2,507,310		93,501		217,162	
All states	+75,193	All states	+1,178	All states	+3,026	All states	4,092,928	All states	137,655	All states	289,355
Top ten	65%	Top ten	74%	Top ten	81%	Top ten	61%	Top ten	68%	Top ten	75%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CA	-2,322	FL	-37	AL	-295	TX	+8,390
TX	-806	TN	-24	VA	-80	DC	+7,562
AL	-606	MO	-21	CT	-58	SC	+2,316
TN	-479	IN	-13	AR	-44	TN	+1,322
NV	-296	WI	-13	GA	-32	CH	+1,121



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

Recommended reading

[A Wisconsin City Experiments With a Faster, DIY Covid-19 Test](#)

Gregory Barber
Wired
July 23, 2020

[A country level analysis measuring the impact of government actions, country preparedness and socioeconomic factors on COVID-19 mortality and related health outcomes](#)

Rabail Chaudhry et al.
The Lancet
July 21, 2020

[Kentucky couple fit with ankle monitors, placed on house arrest, for refusing to sign quarantine documents: reports](#)

Danielle Wallace
Fox News
July 20, 2020

[Early Outpatient Treatment of Symptomatic, High-Risk Covid-19 Patients that Should be Ramped-Up Immediately as Key to the Pandemic Crisis](#)

Harvey A Risch
American Journal of Epidemiology
May 27, 2020

[Seroprevalence of Antibodies to SARS-CoV-2 in 10 Sites in the United States, March 23-May 12, 2020](#)

Fiona P. Havers, et al.
Journal of the American Medical Association
July 21, 2020

[The Key to Defeating COVID-19 Already Exists. We Need to Start Using It](#)

Harvey Risch
Newsweek
July 23, 2020

[The Importance of Reopening America's Schools this Fall](#)

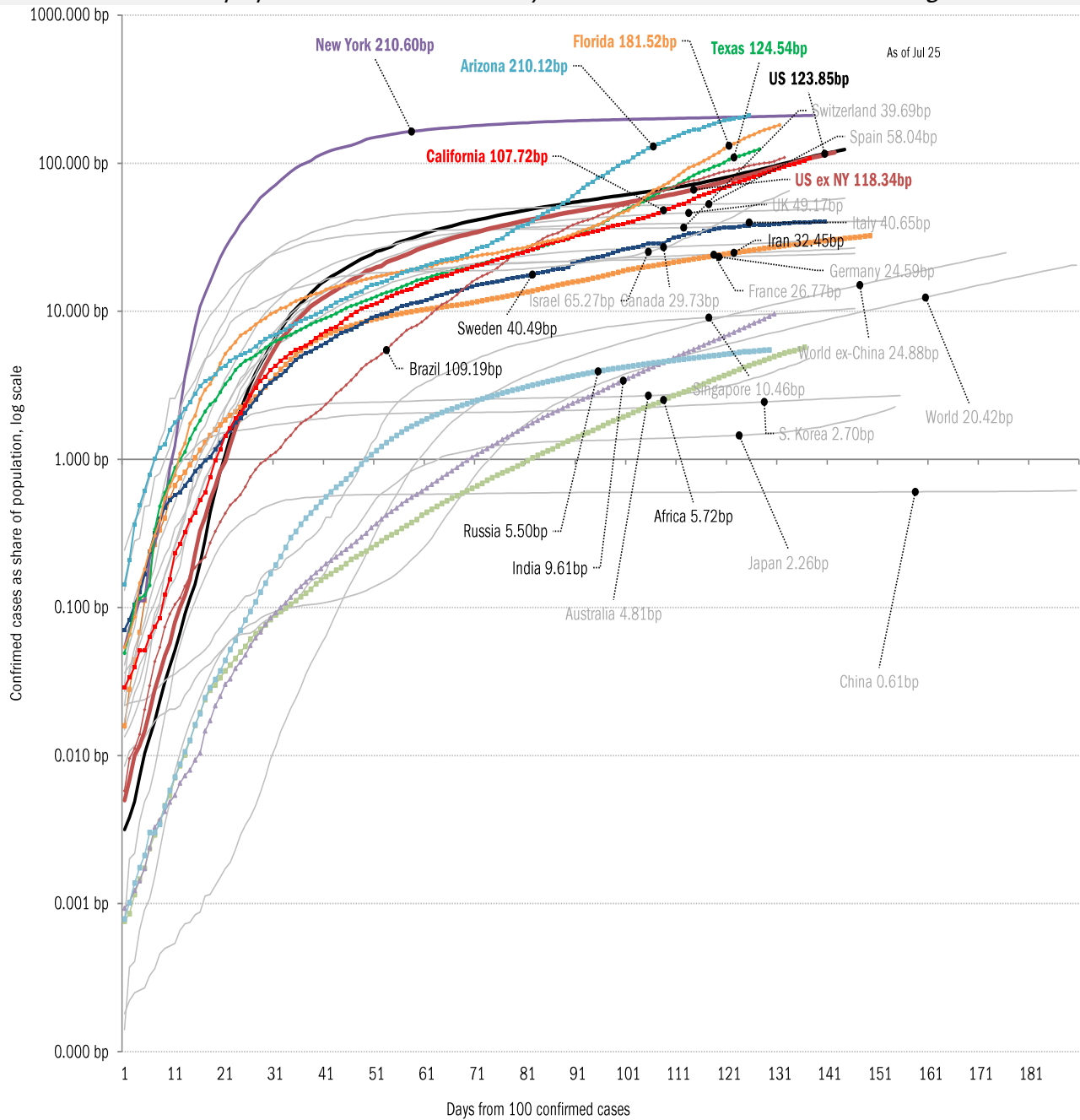
Centers for Disease Control
July 23, 2020

Meme of the day



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

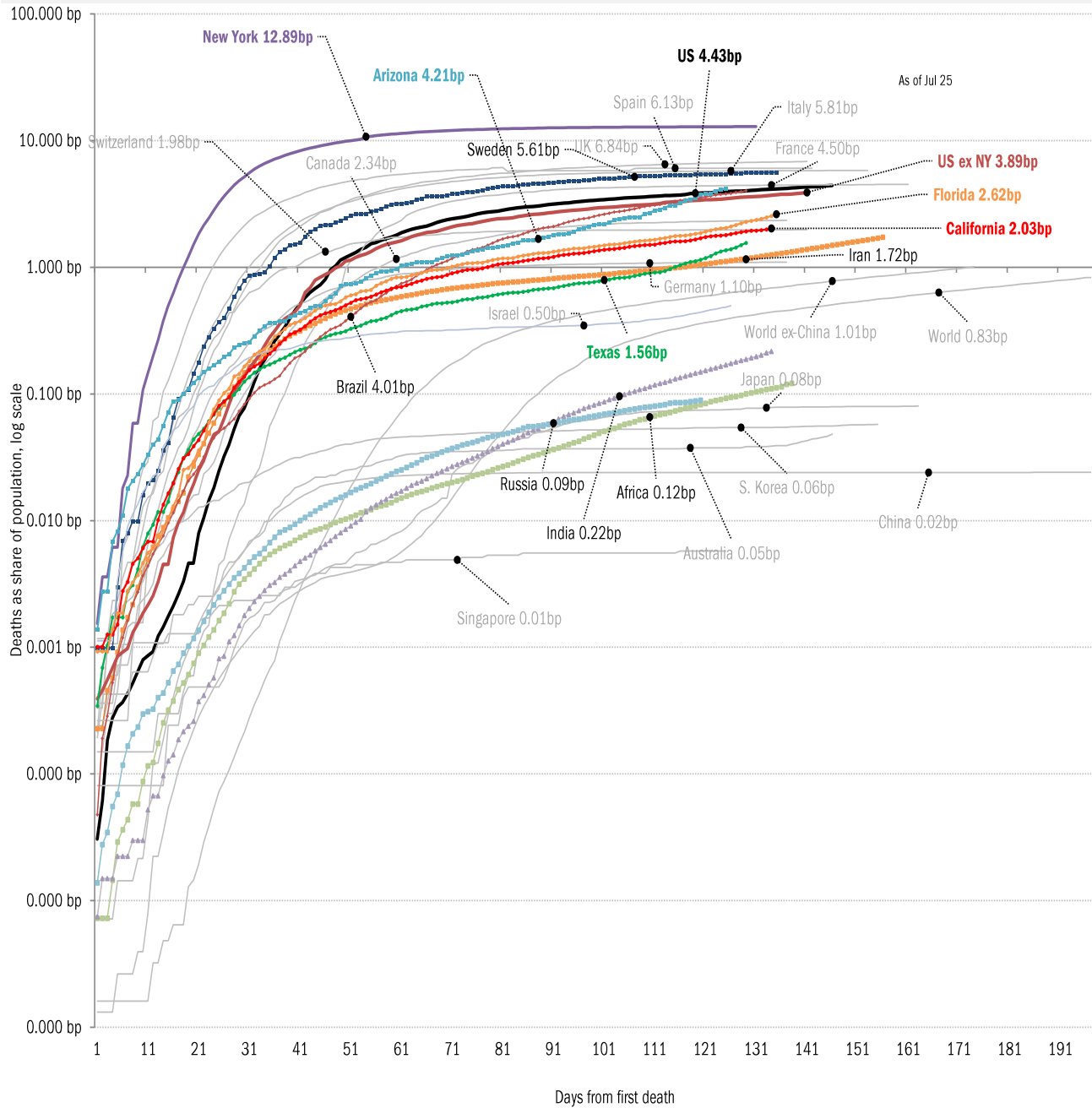
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

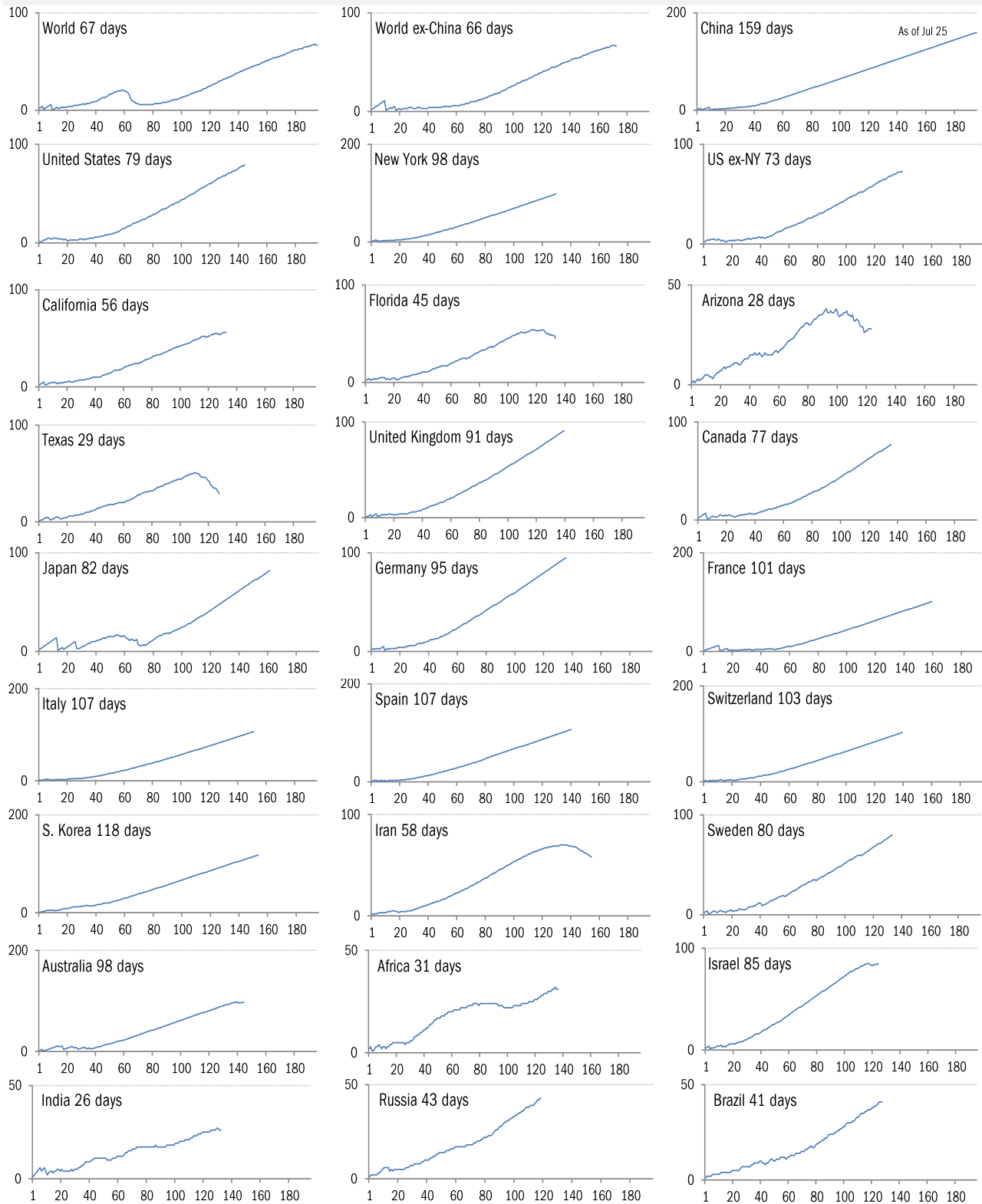
Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

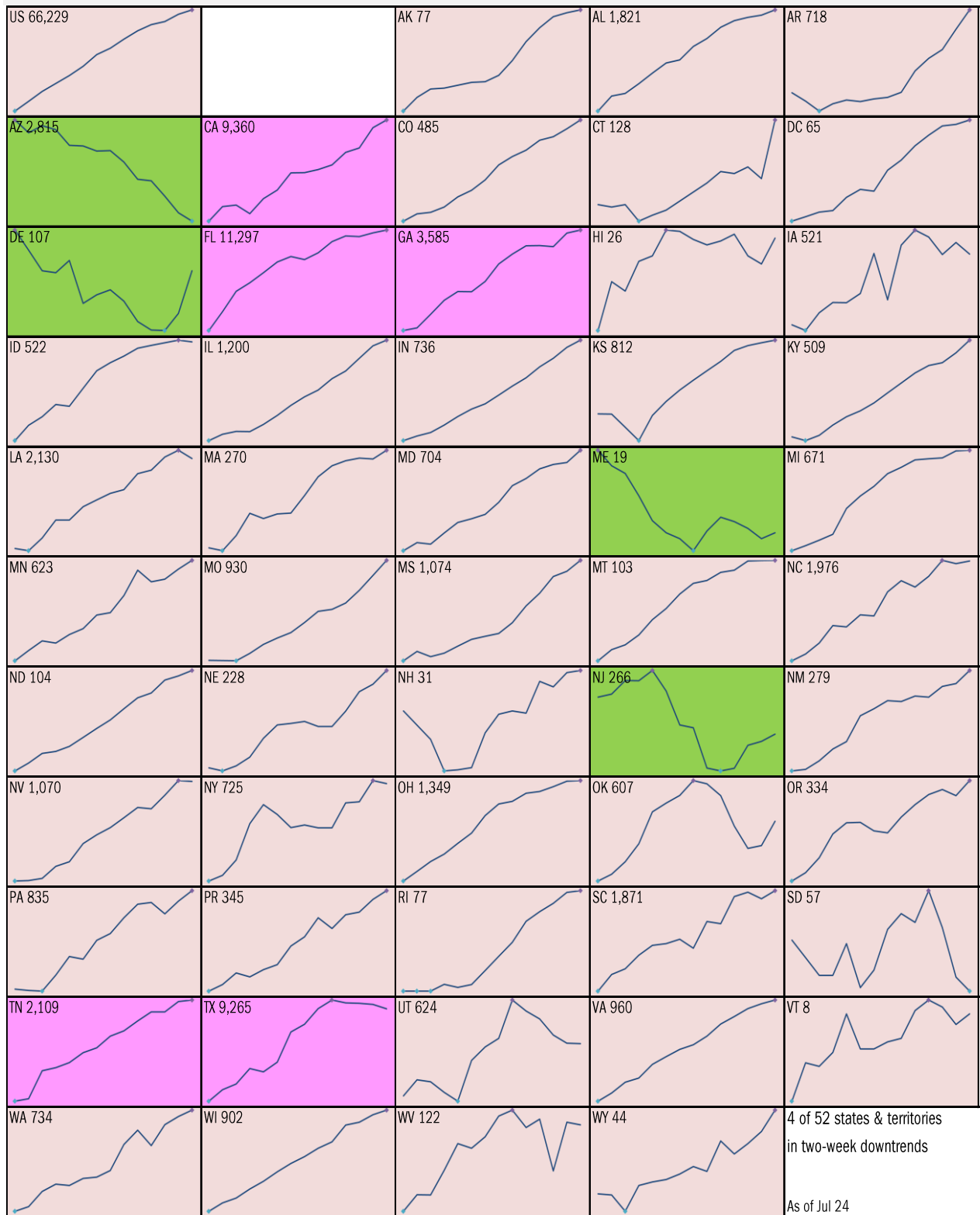
Our most reliable evidence of slowing exponential growth of Covid-2019

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

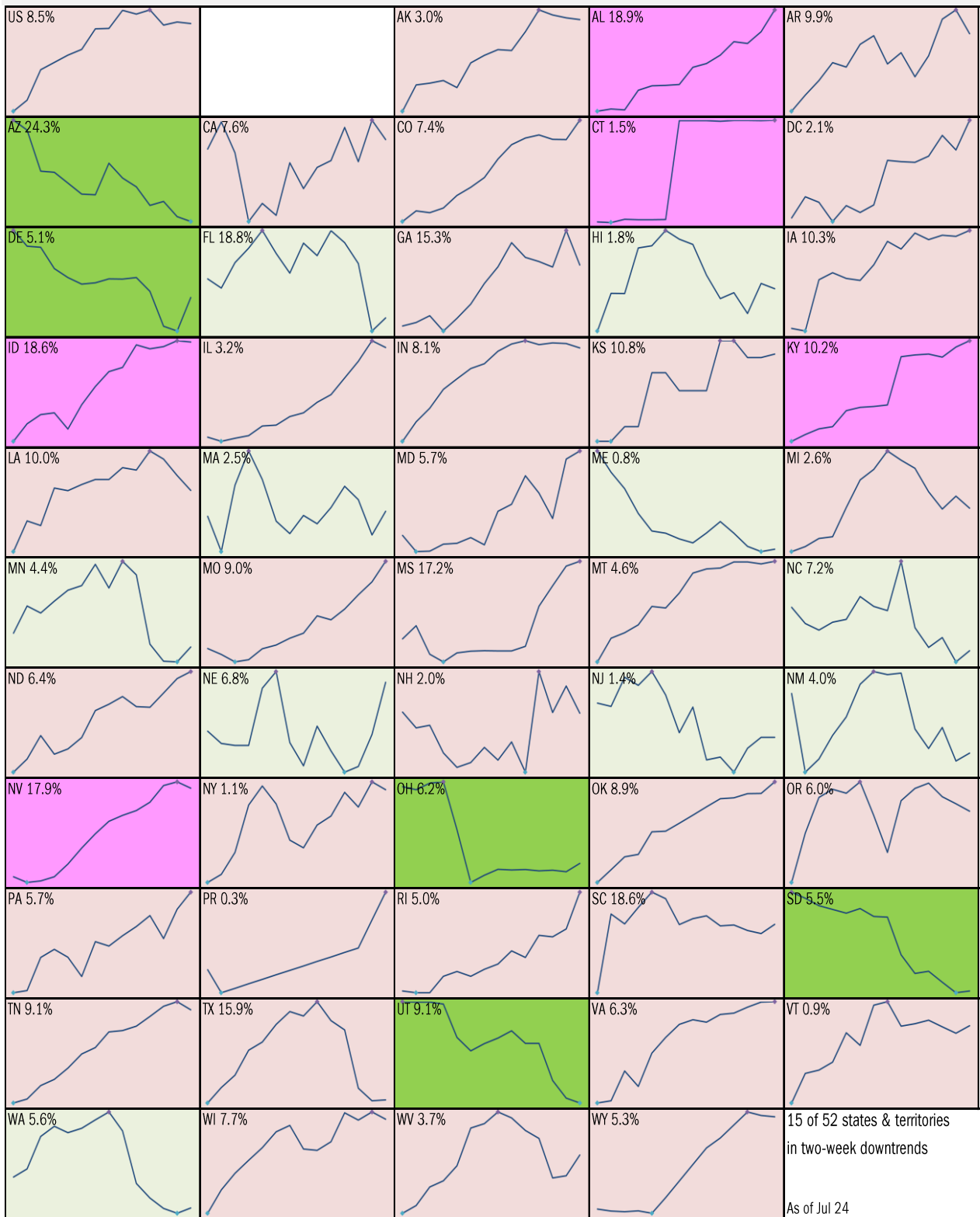


Source: [Covid Tracking Project](#), TrendMacro calculations

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



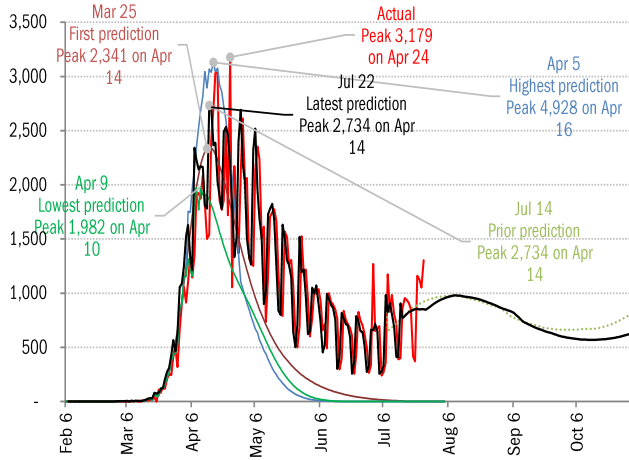
Source: [Covid Tracking Project](#), TrendMacro calculations

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

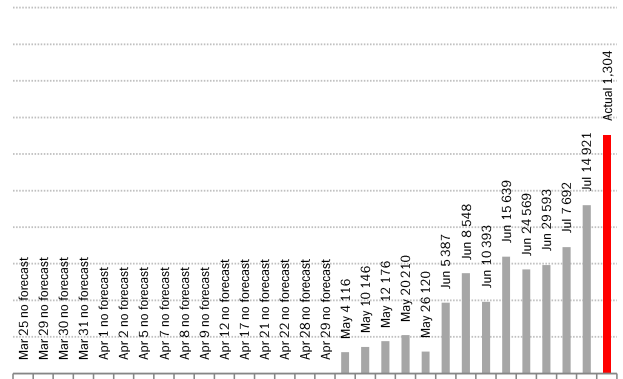
New daily fatalities

As of Jul 25

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

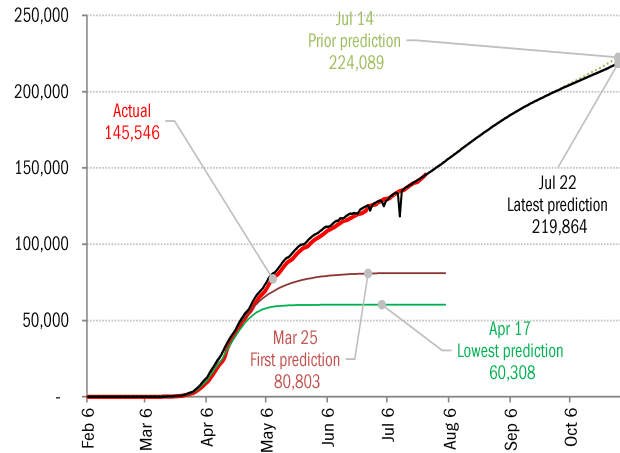


For this day, versus all model mean predictions

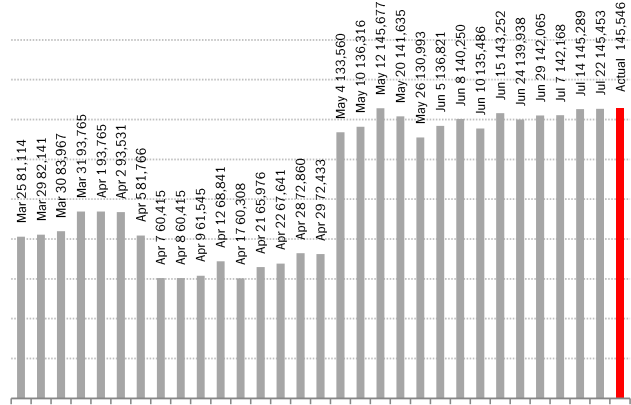


Cumulative fatalities

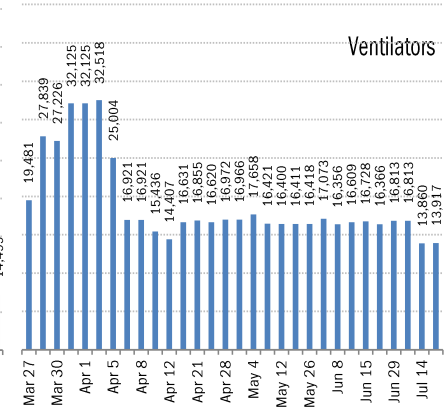
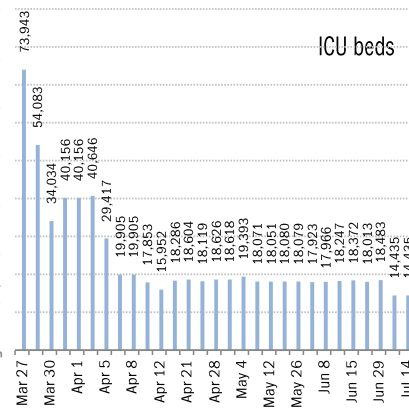
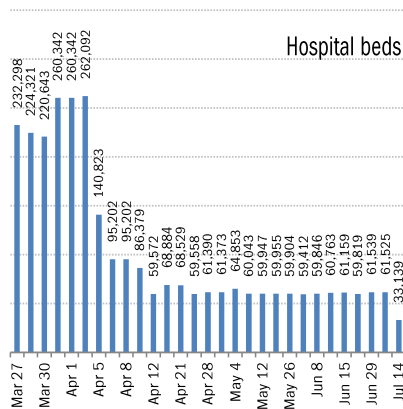
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

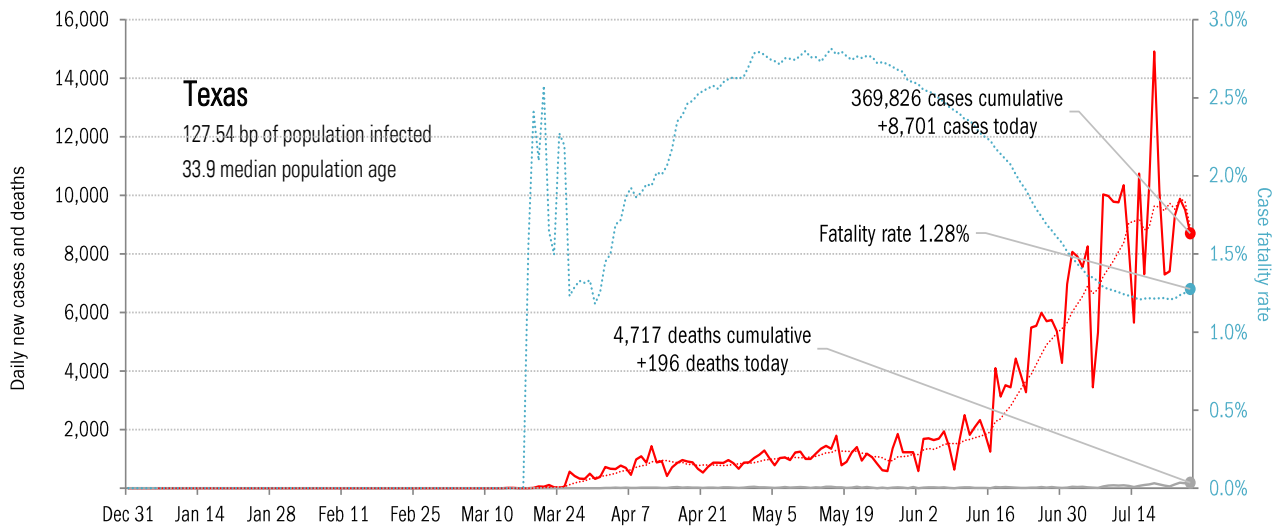
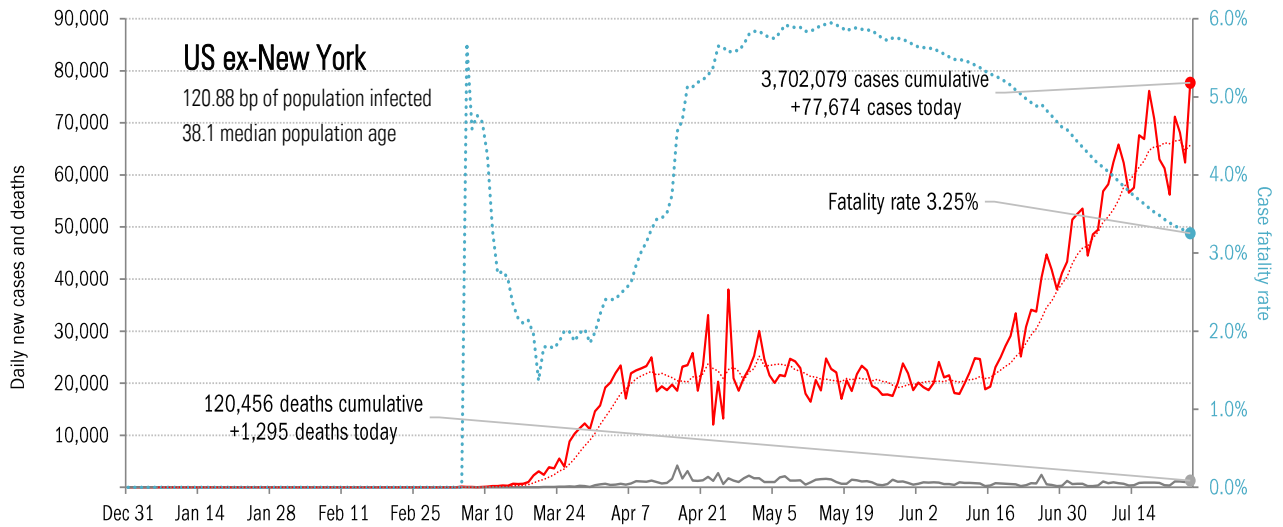
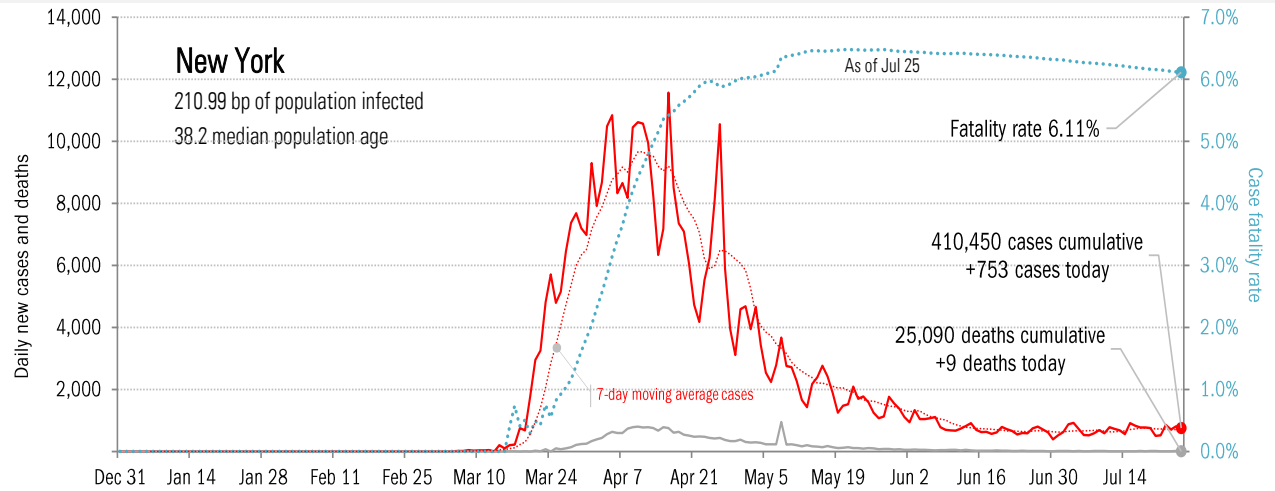


Healthcare system stress, peak estimated at each model revision



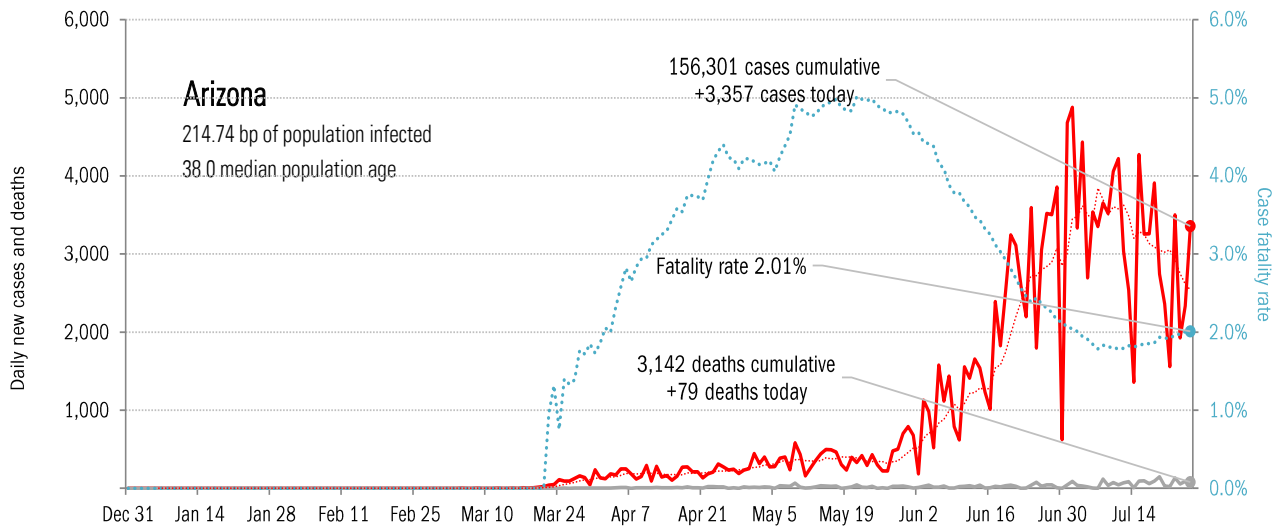
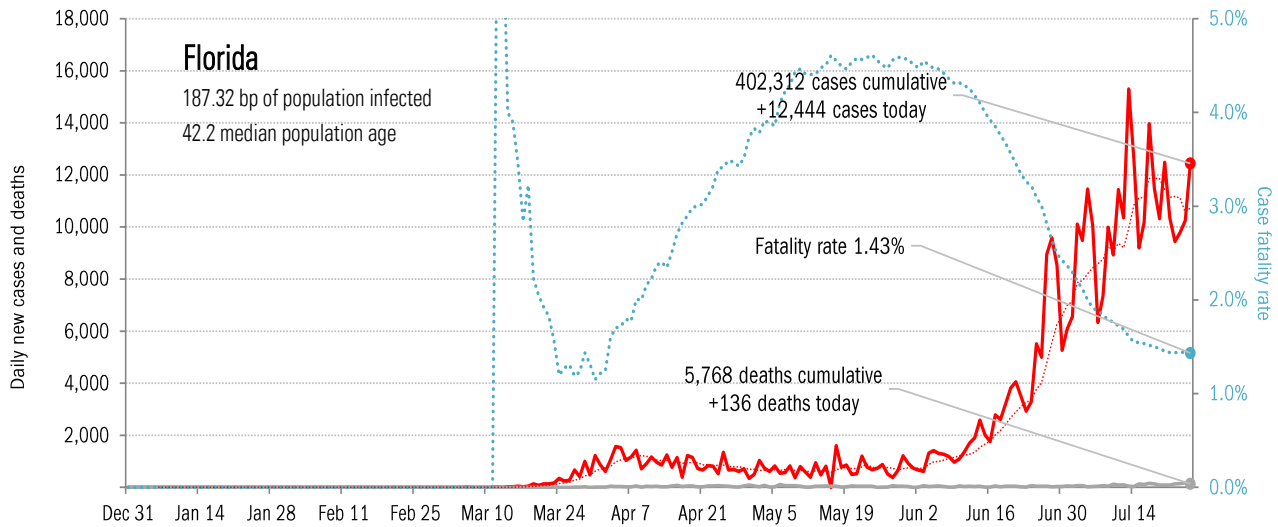
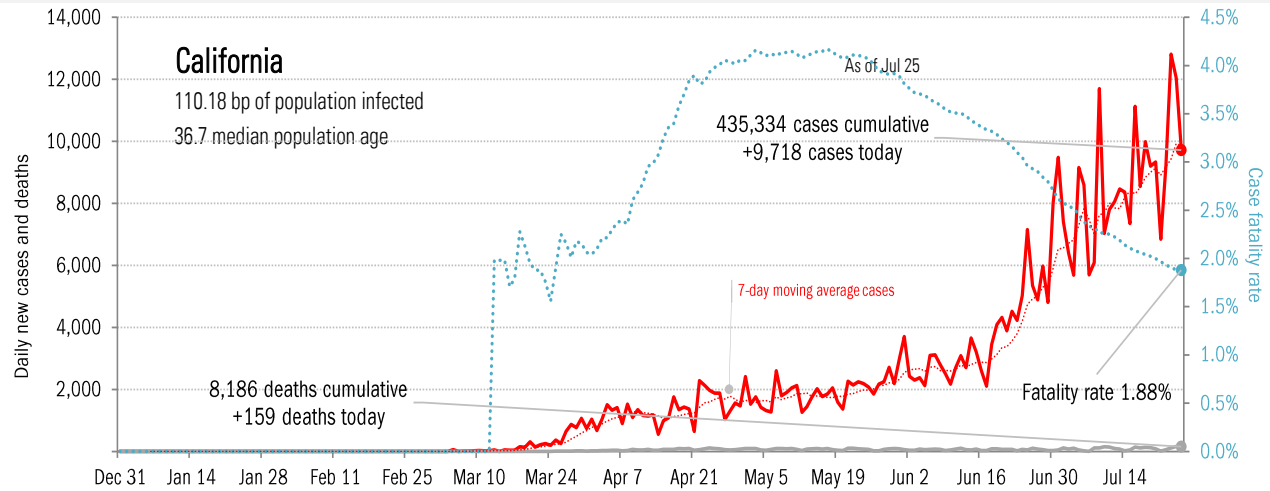
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



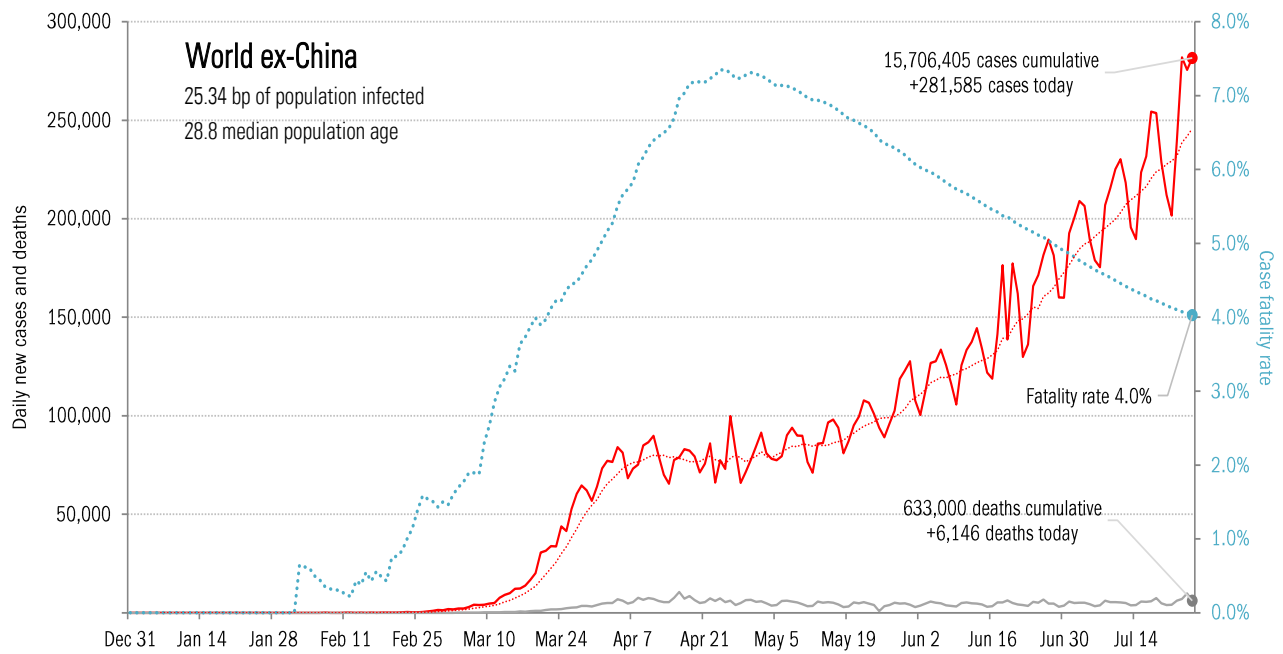
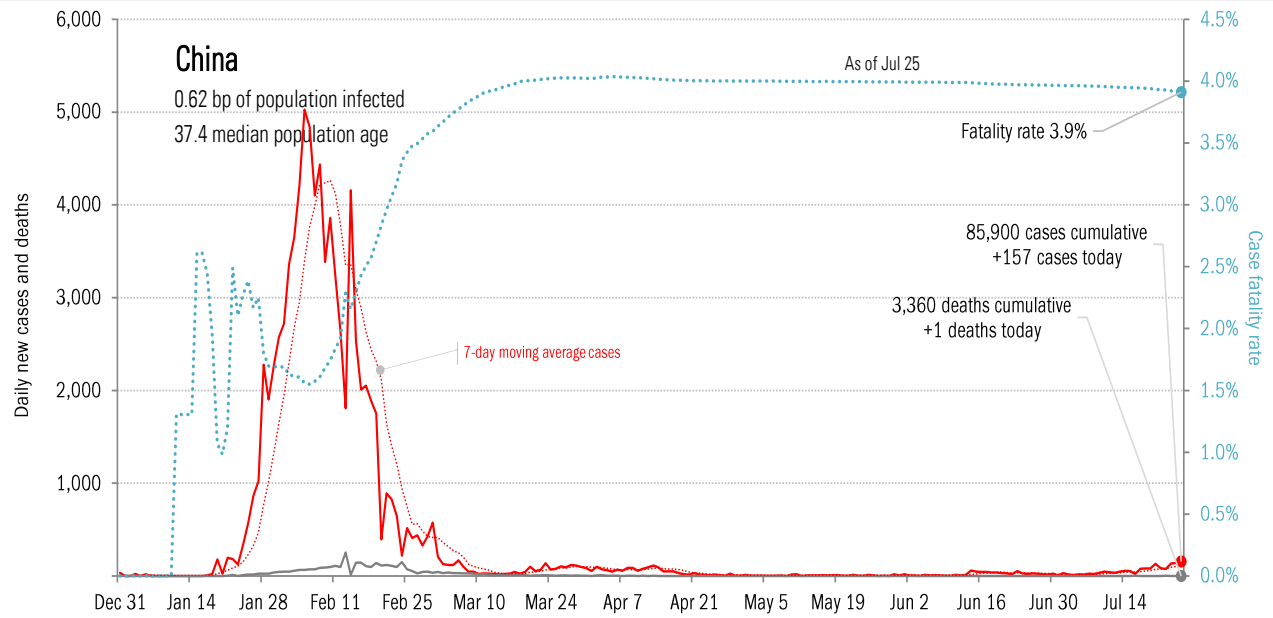
Source: [ECDC](#), TrendMacro calculations

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



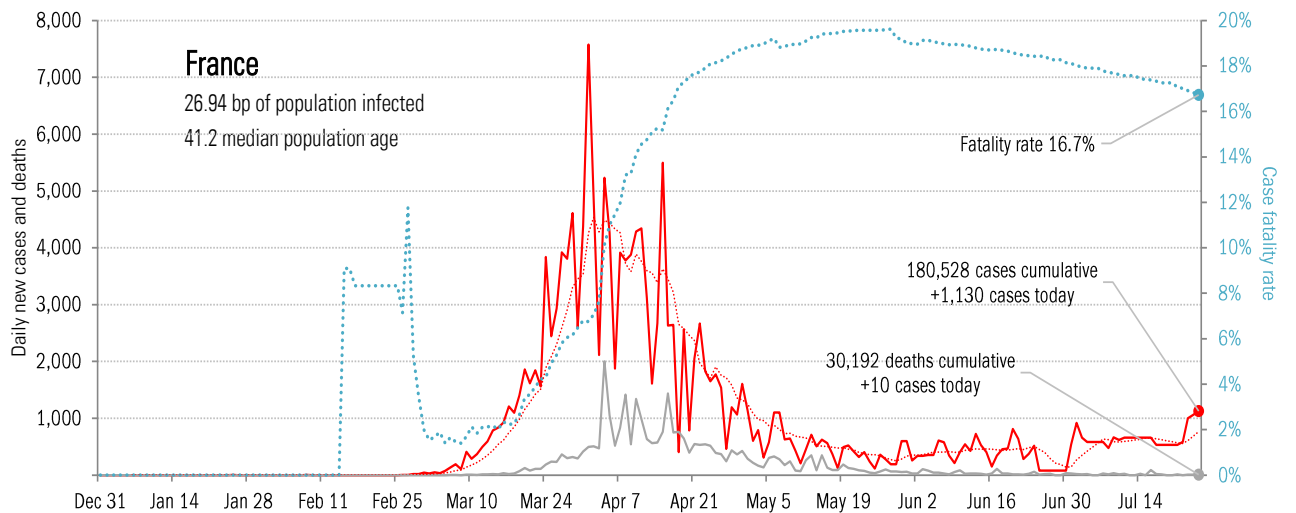
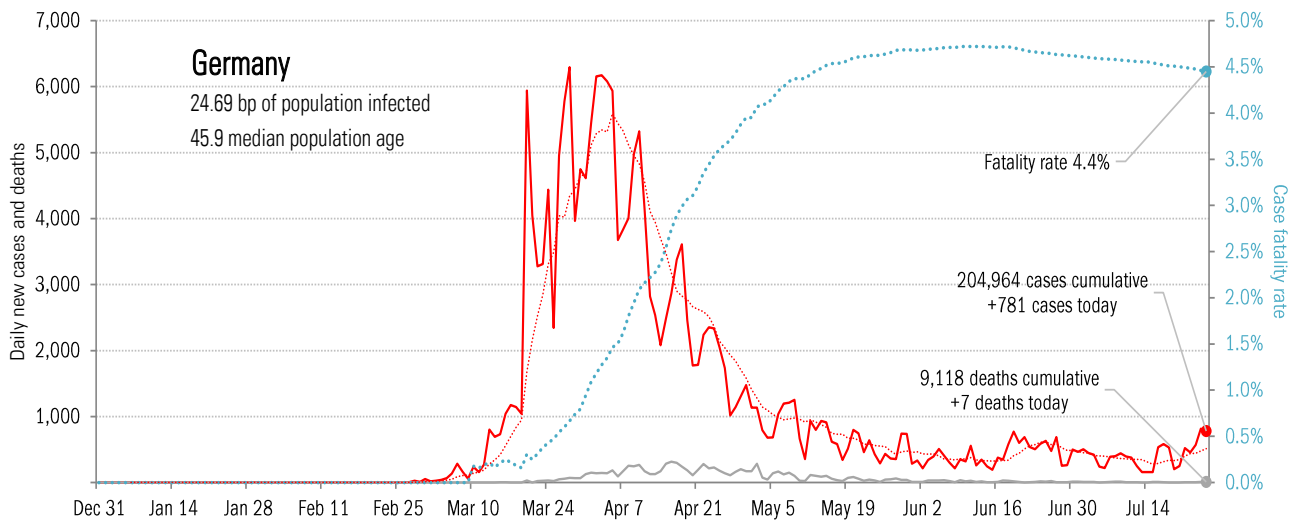
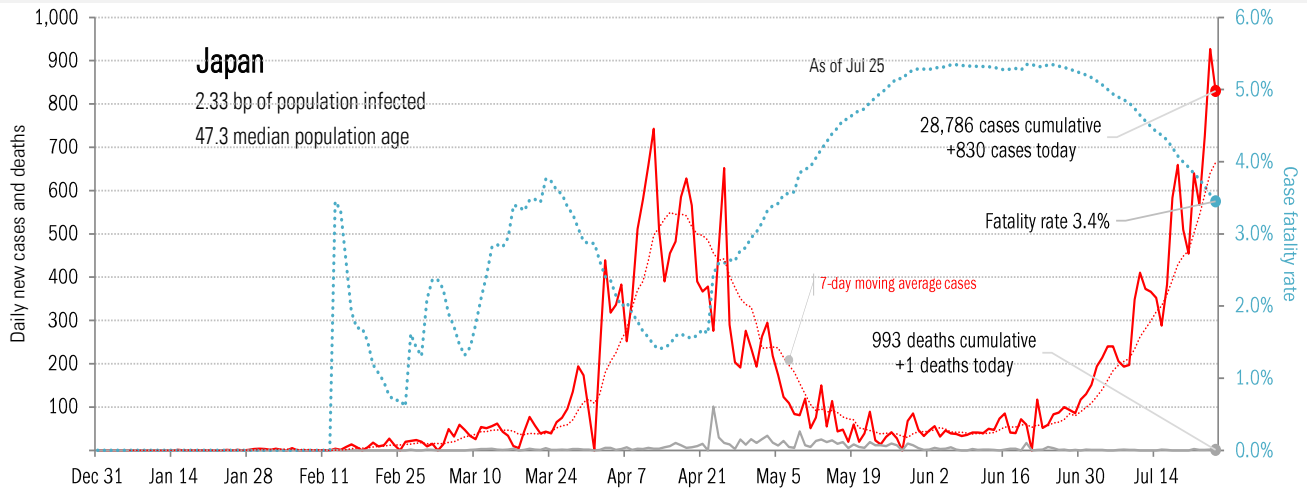
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



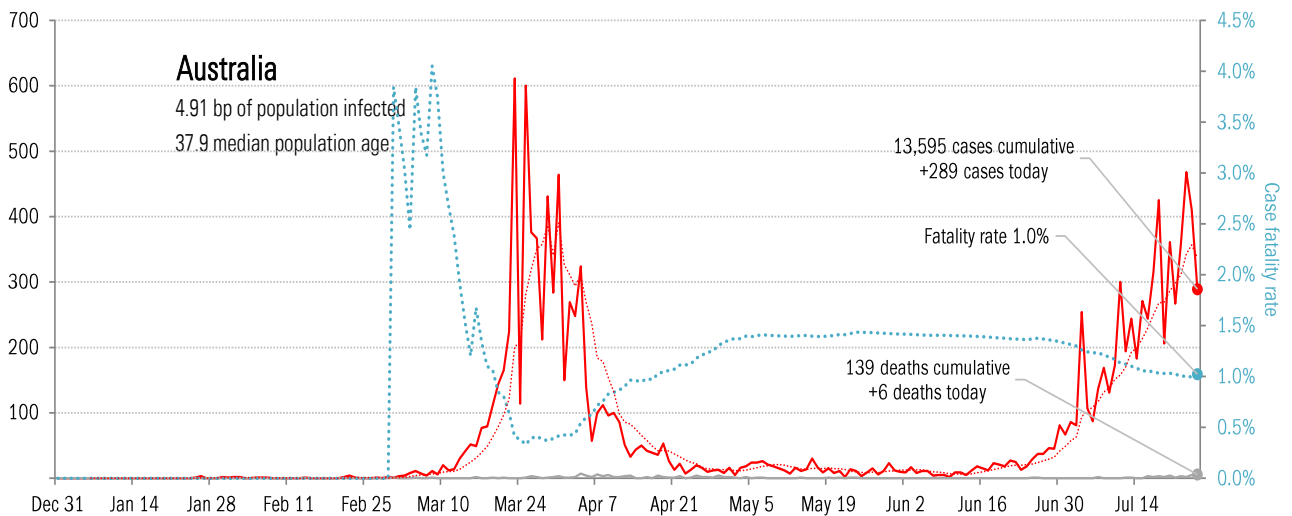
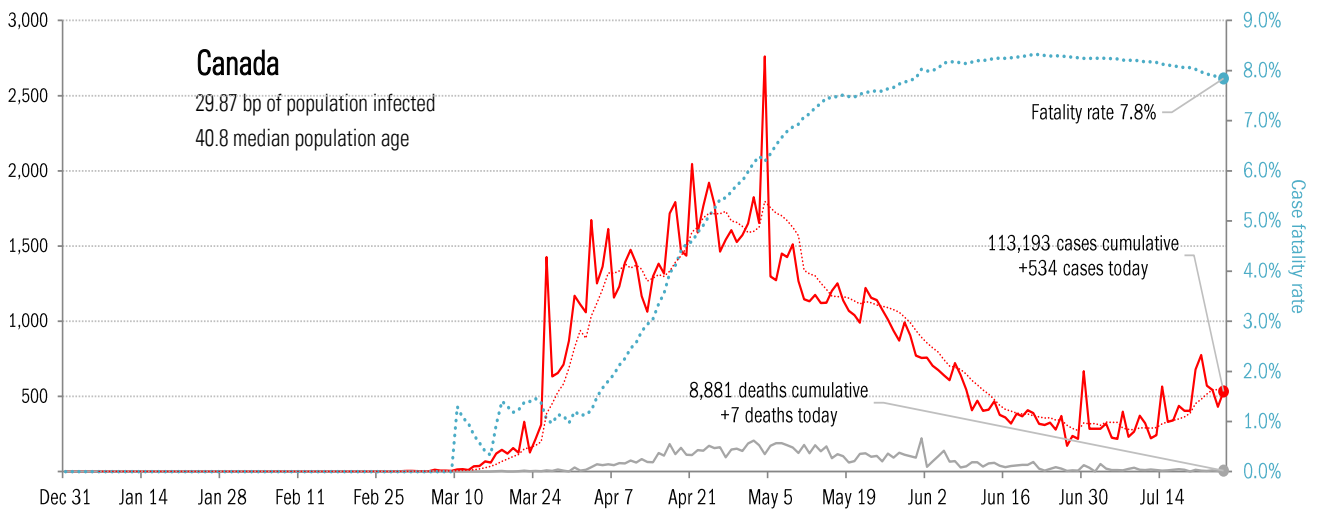
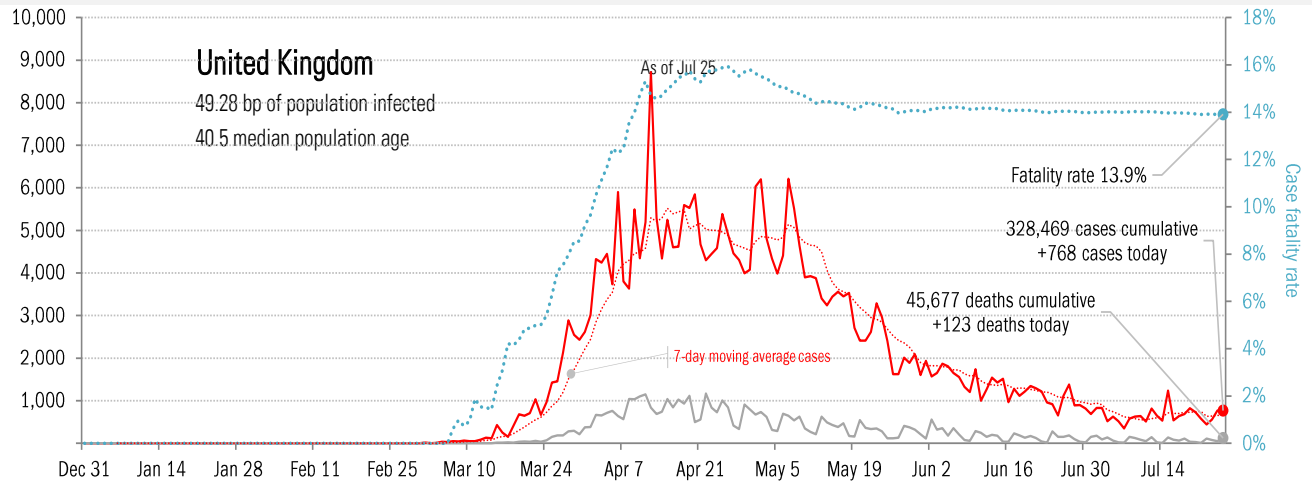
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



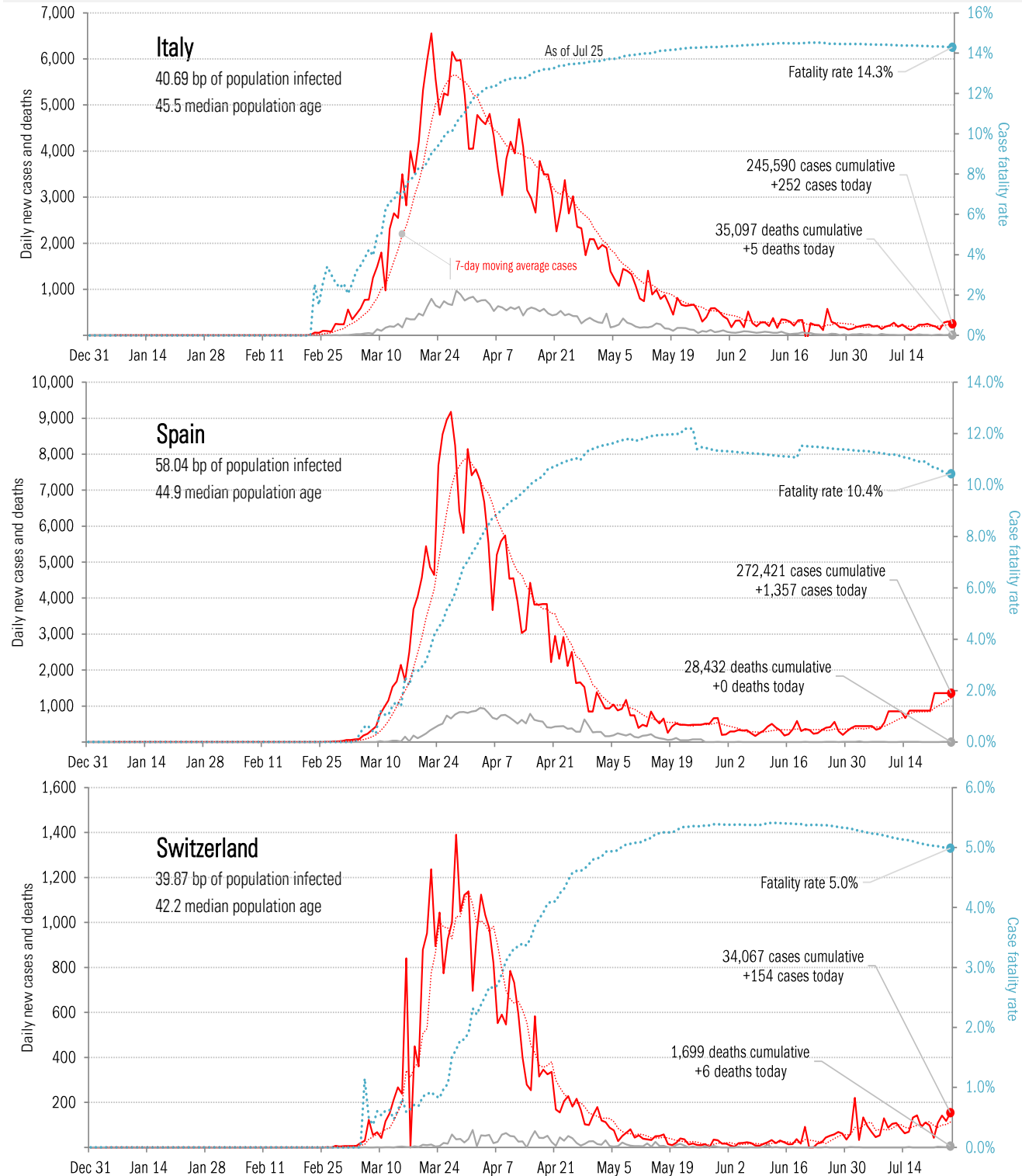
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



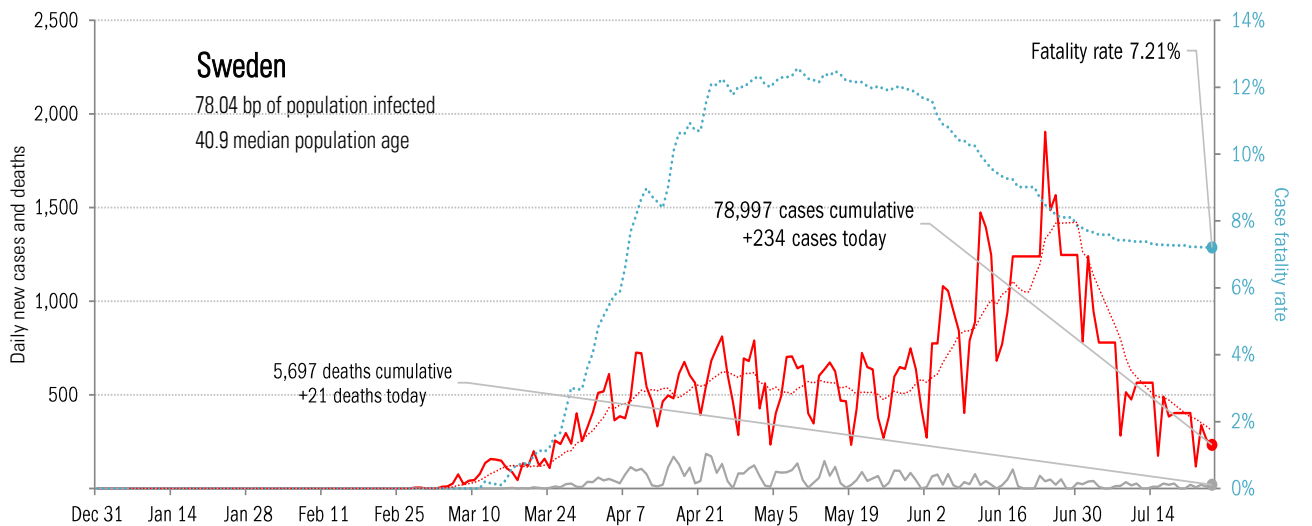
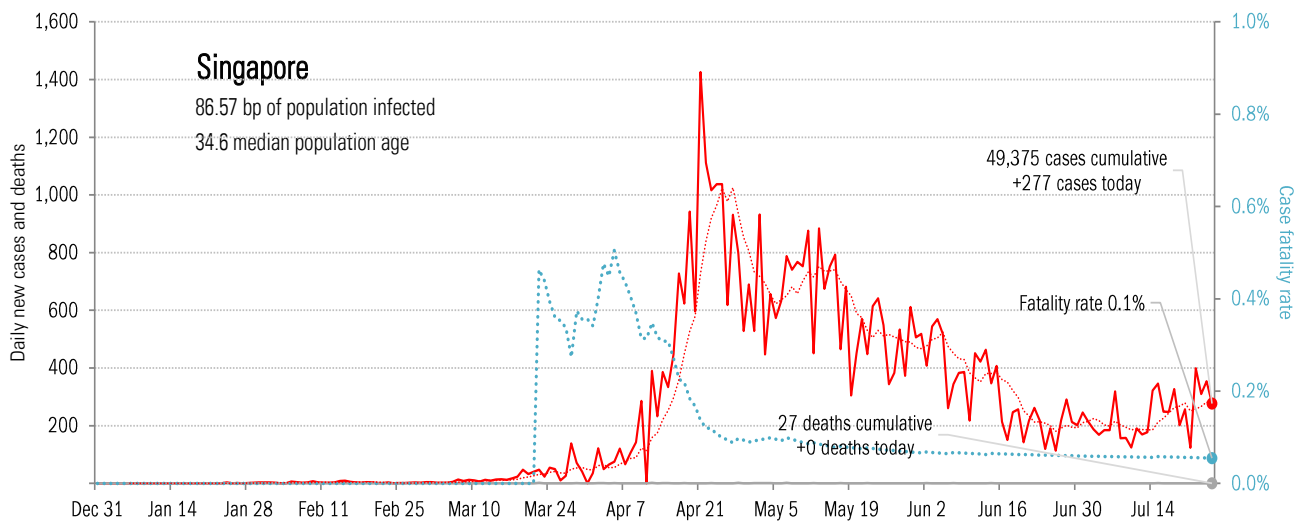
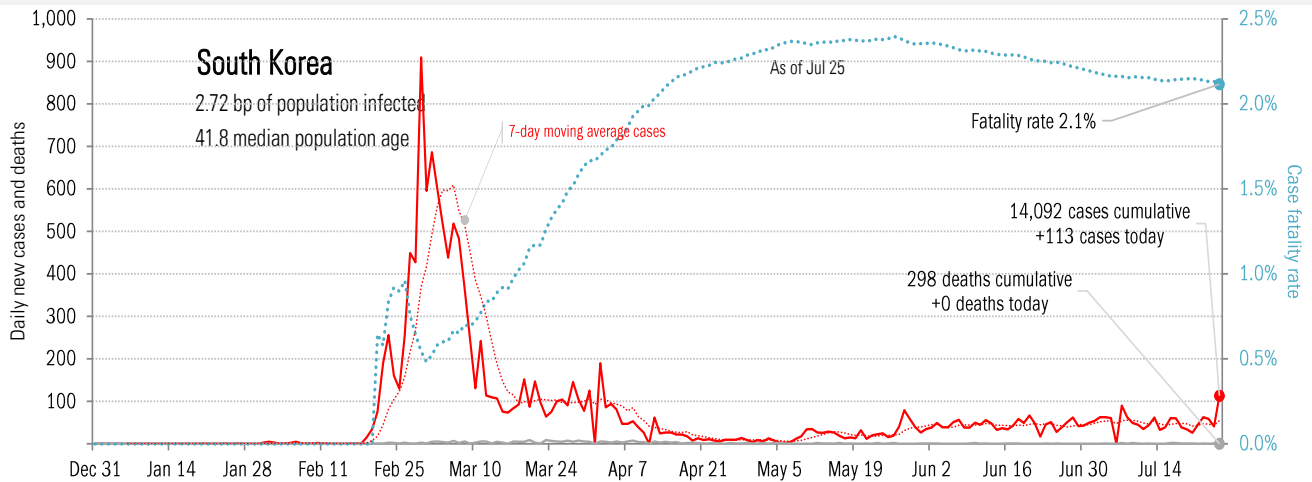
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



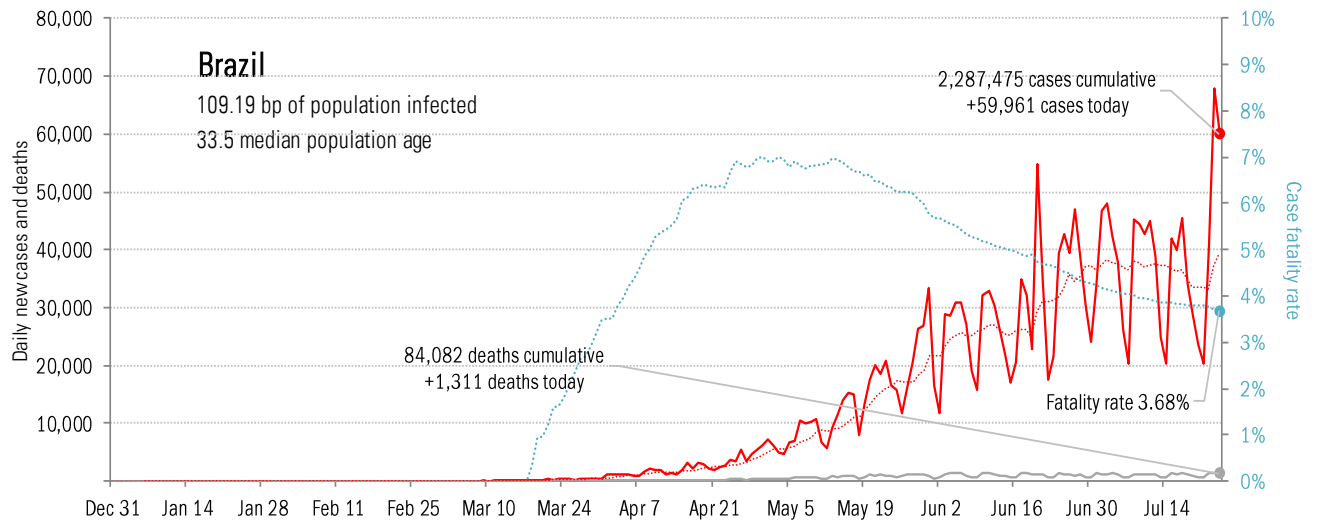
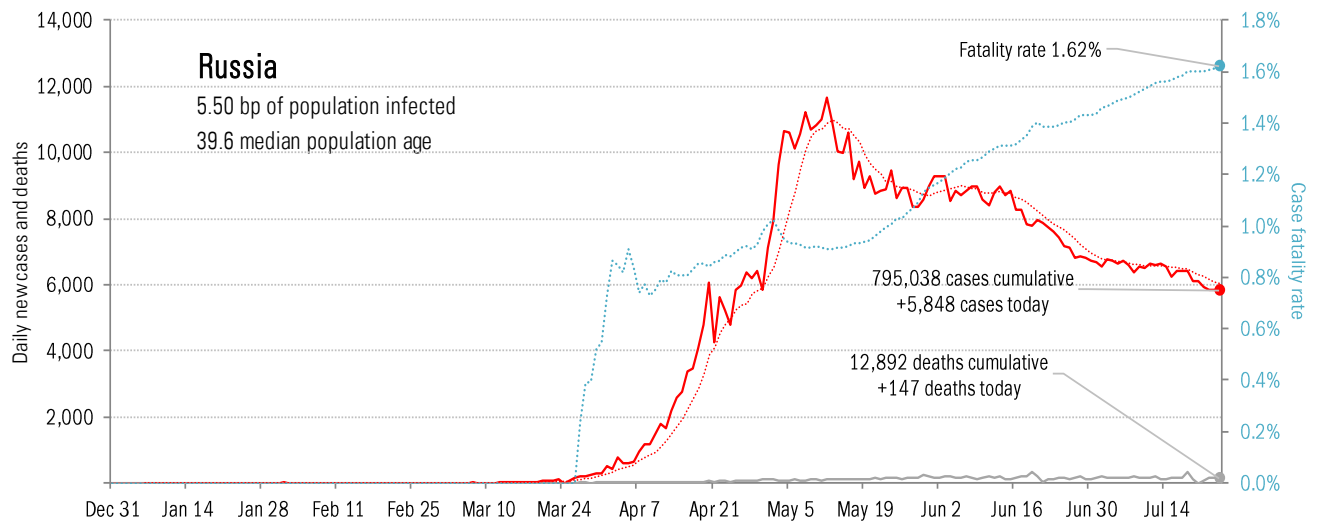
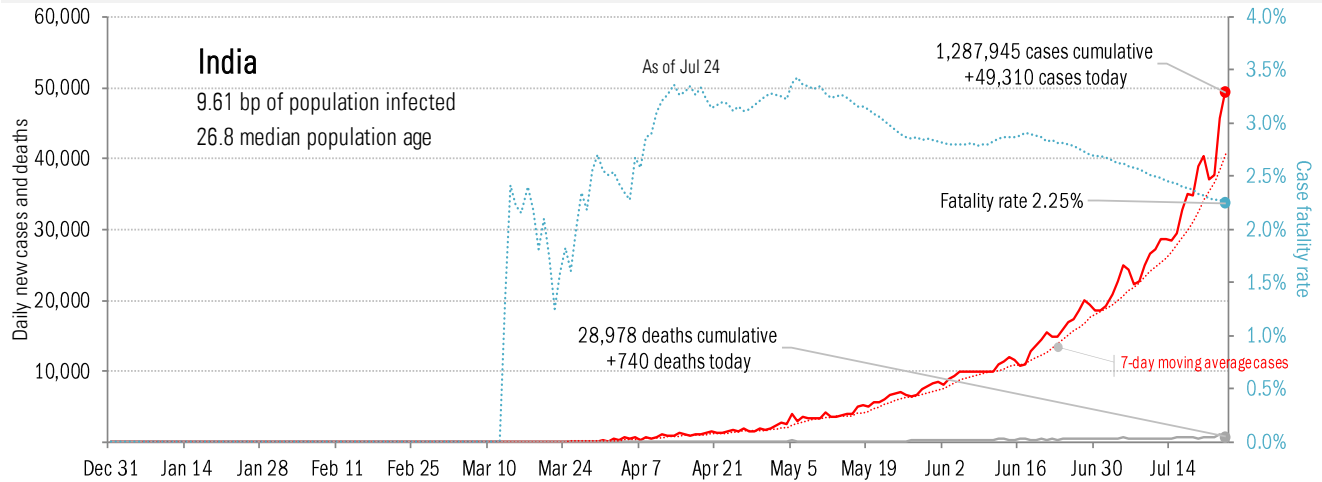
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



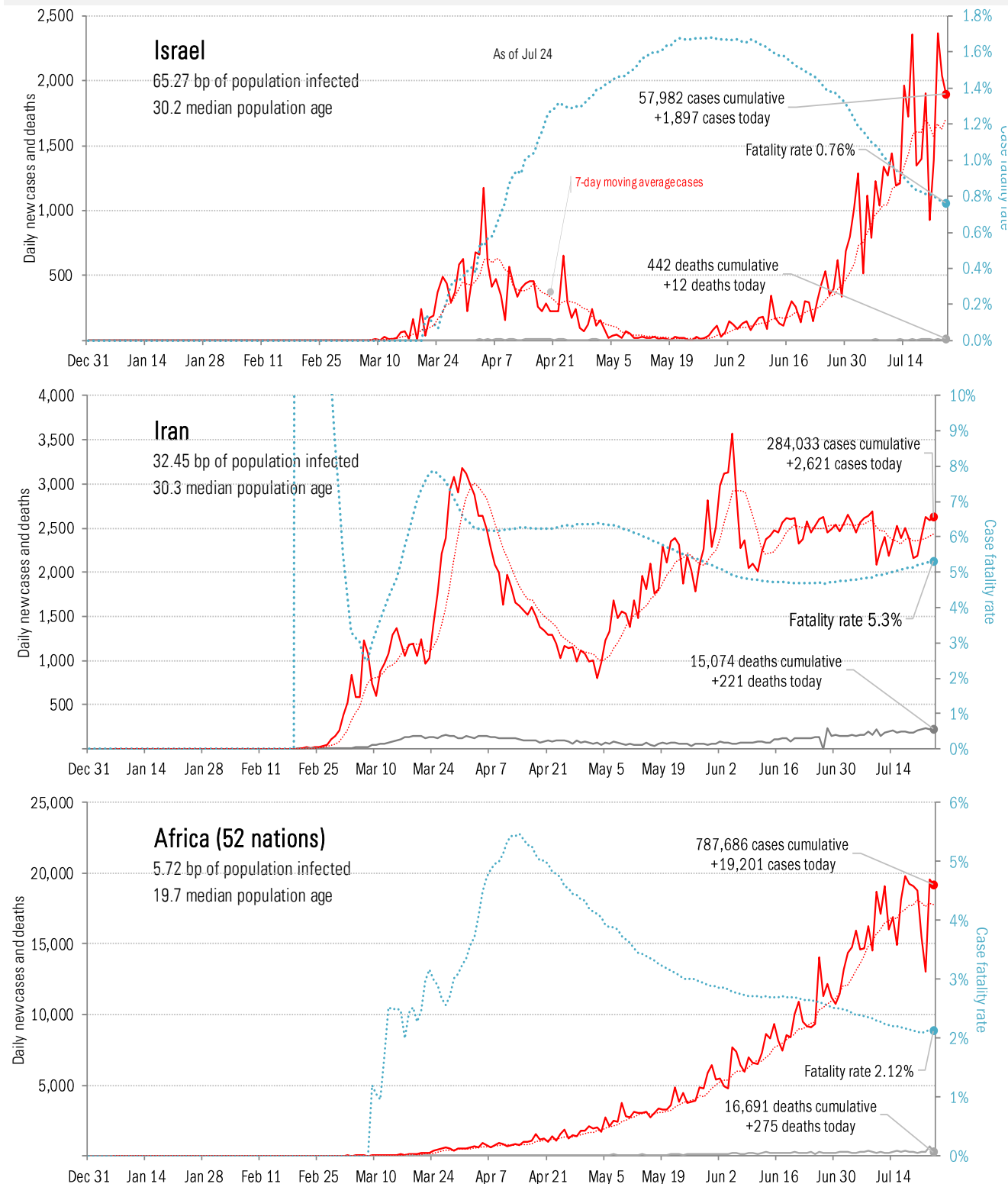
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations