

Data Insights: Covid-2019 Monitor

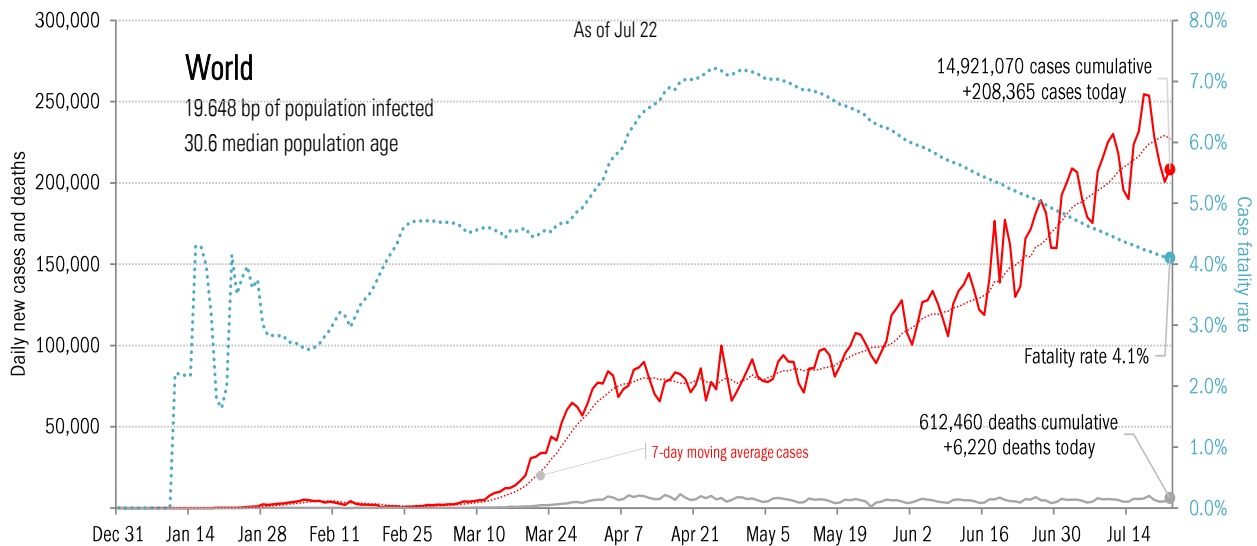
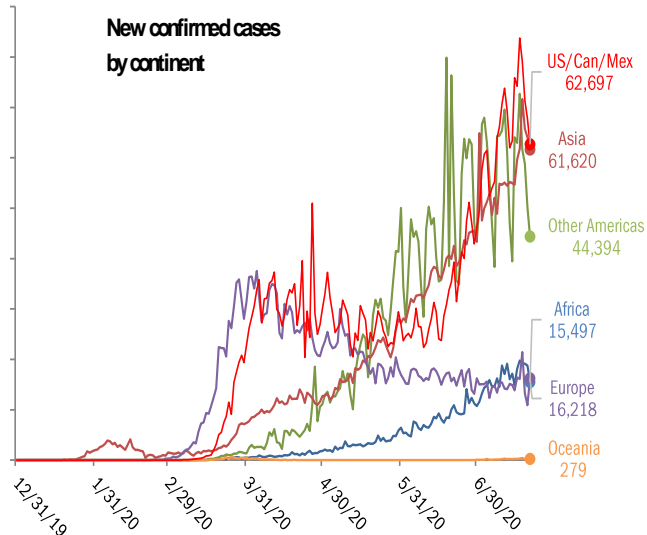
Wednesday, July 22, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+72,048	Brazil	+1,367
Brazil	+41,008	US	+1,160
India	+8,992	Mexico	+915
South_Africa	+8,170	India	+648
Colombia	+7,033	Colombia	+237
Mexico	+6,859	Iran	+229
Russia	+5,842	Peru	+195
Peru	+4,406	South_Africa	+195
Argentina	+4,019	Russia	+153
Bangladesh	+3,057	UK	+110
+161,434		+5,209	
World	+208,365	World	+6,220
Top ten	77%	Top ten	84%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

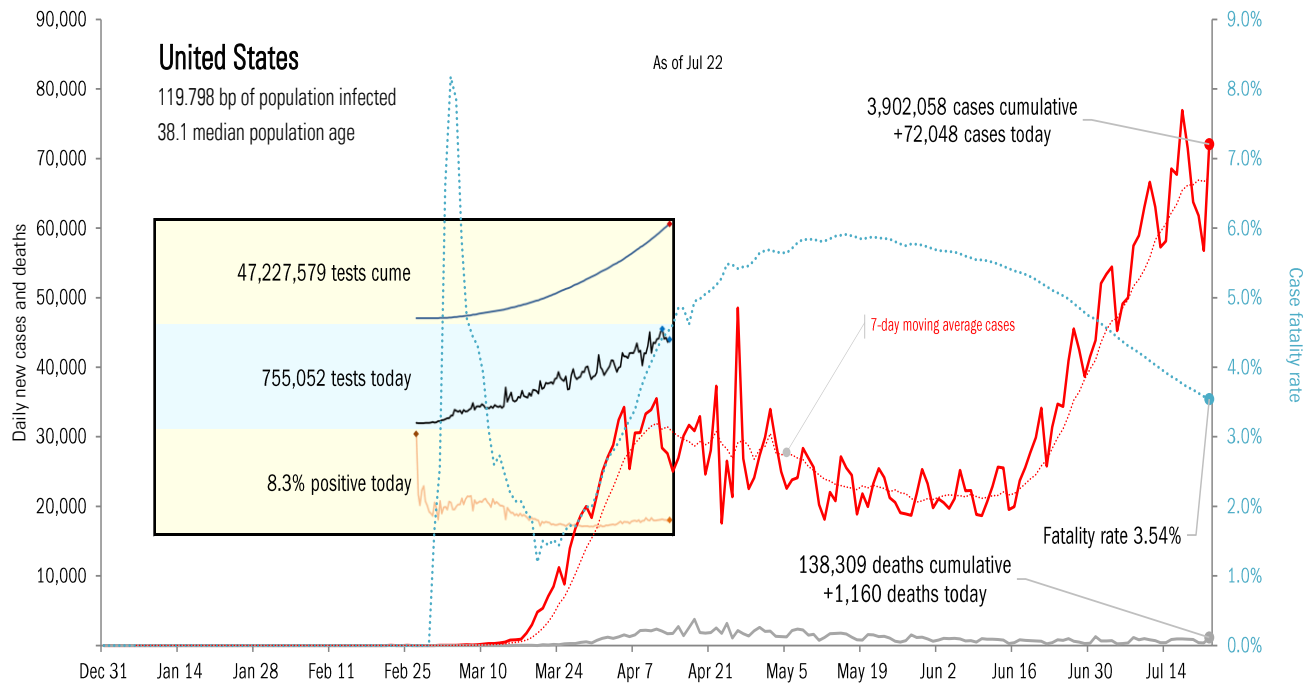
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
FL	+9,440	FL	+136	FL	+518	NY	408,181	NY	25,058	NY	89,995
TX	+9,305	AZ	+134	GA	+447	CA	400,769	NJ	15,737	FL	22,123
CA	+9,231	TX	+131	SC	+316	FL	369,834	MA	8,450	NJ	21,099
AZ	+3,500	GA	+78	AZ	+196	TX	341,739	CA	7,755	GA	15,494
GA	+3,413	CA	+61	AL	+170	NJ	177,256	IL	7,517	MD	11,949
TN	+2,190	SC	+57	VA	+159	IL	164,878	PA	7,038	MA	11,746
SC	+1,892	LA	+36	CH	+126	GA	148,988	MI	6,382	VA	11,424
NC	+1,815	MS	+31	TN	+86	AZ	148,683	FL	5,319	CT	10,654
LA	+1,691	CH	+30	WI	+65	MA	114,033	CT	4,406	CH	9,736
MS	+1,635	NV	+28	AR	+55	NC	102,861	TX	4,151	AL	8,538
+44,112		+722		+2,138		2,377,222		91,813		212,758	
All states	+62,749	All states	+1,029	All states	+2,551	All states	3,876,665	All states	134,312	All states	281,581
Top ten	70%	Top ten	70%	Top ten	84%	Top ten	61%	Top ten	68%	Top ten	76%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
LA	-1,495	CT	-10	AL	-416	TX	+8,658
KS	-1,369	KS	-8	IN	-46	SC	+4,509
FL	-907	NY	-6	KS	-44	TN	+1,878
AR	-666	RI	-4	CR	-41	CH	+1,217
MN	-553	FR	-2	RI	-16	AR	+886



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

Recommended reading

[Safety and immunogenicity of the ChAdOx1 nCoV-19 vaccine against SARS-CoV-2: a preliminary report of a phase 1/2, single-blind, randomised controlled trial](#)

Pedro M. Follegatti et al.
The Lancet
July 20, 2020

[Florida teachers union files lawsuit against state over school reopening order](#)

Jackie Winchester
WINK News
July 20, 2020

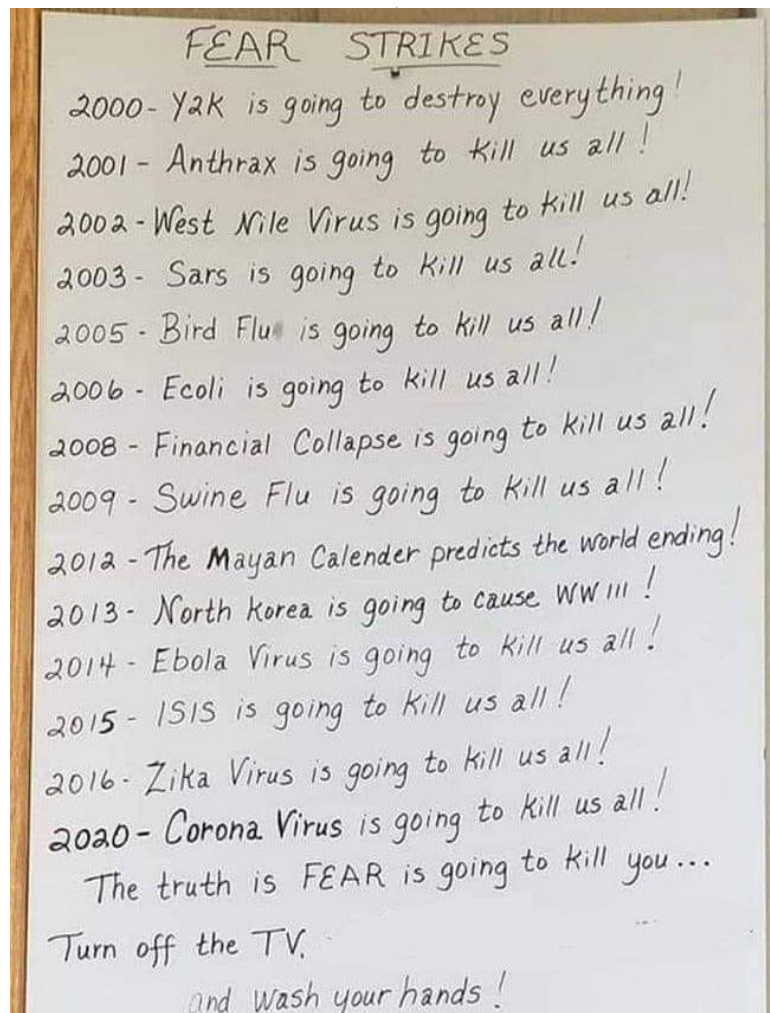
[NC Teachers' Union Demands Universal Health Care, Welfare for Illegal Immigrants to Reopen Schools](#)

Collin Anderson
Washington Free Beacon
July 17, 2020

[Immunogenicity and safety of a recombinant adenovirus type-5-vectored COVID-19 vaccine in healthy adults aged 18 years or older: a randomised, double-blind, placebo-controlled, phase 2 trial](#)

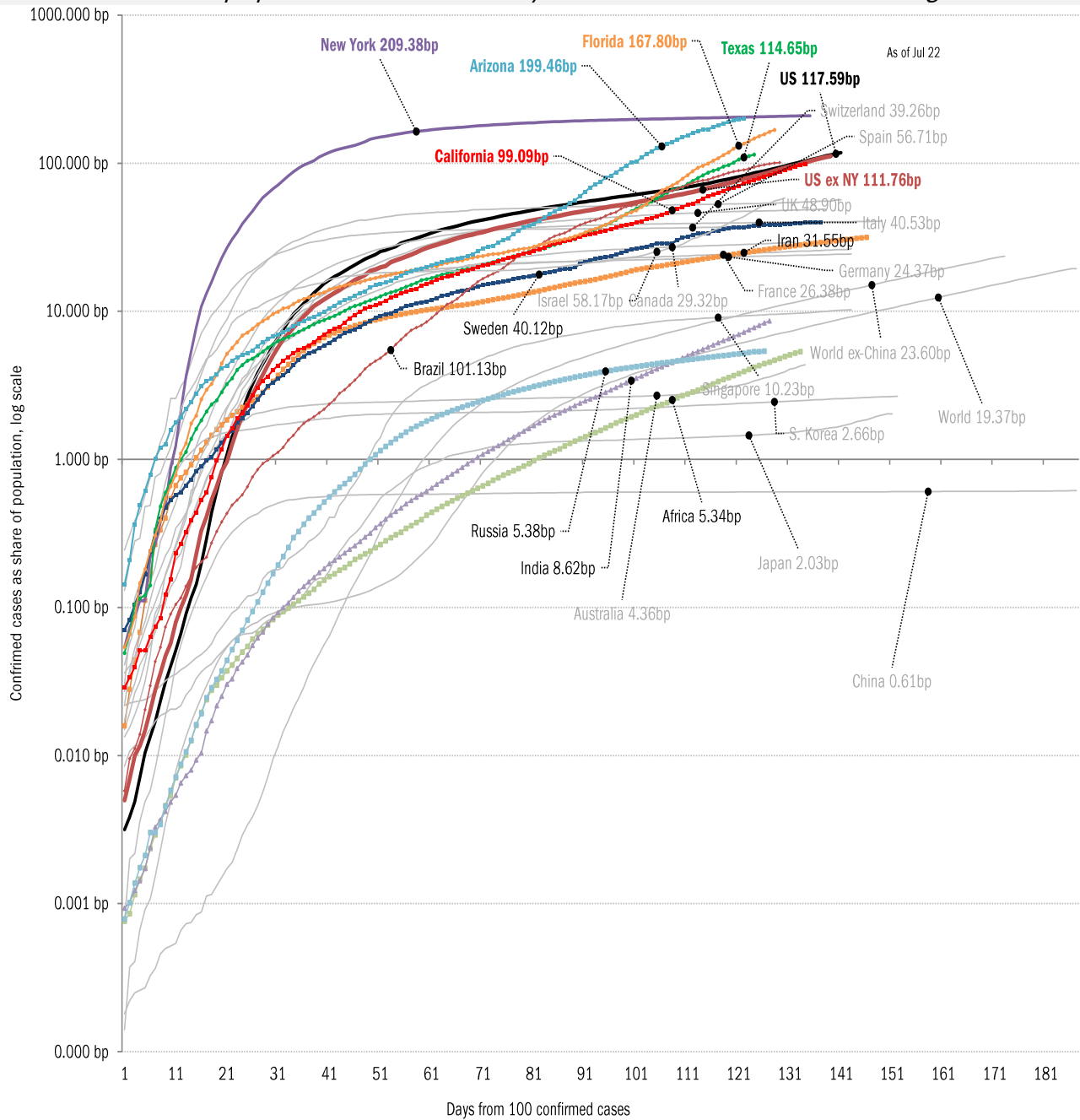
Feng-Cai Zhu et al.
The Lancet
July 20, 2020

Meme of the day



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

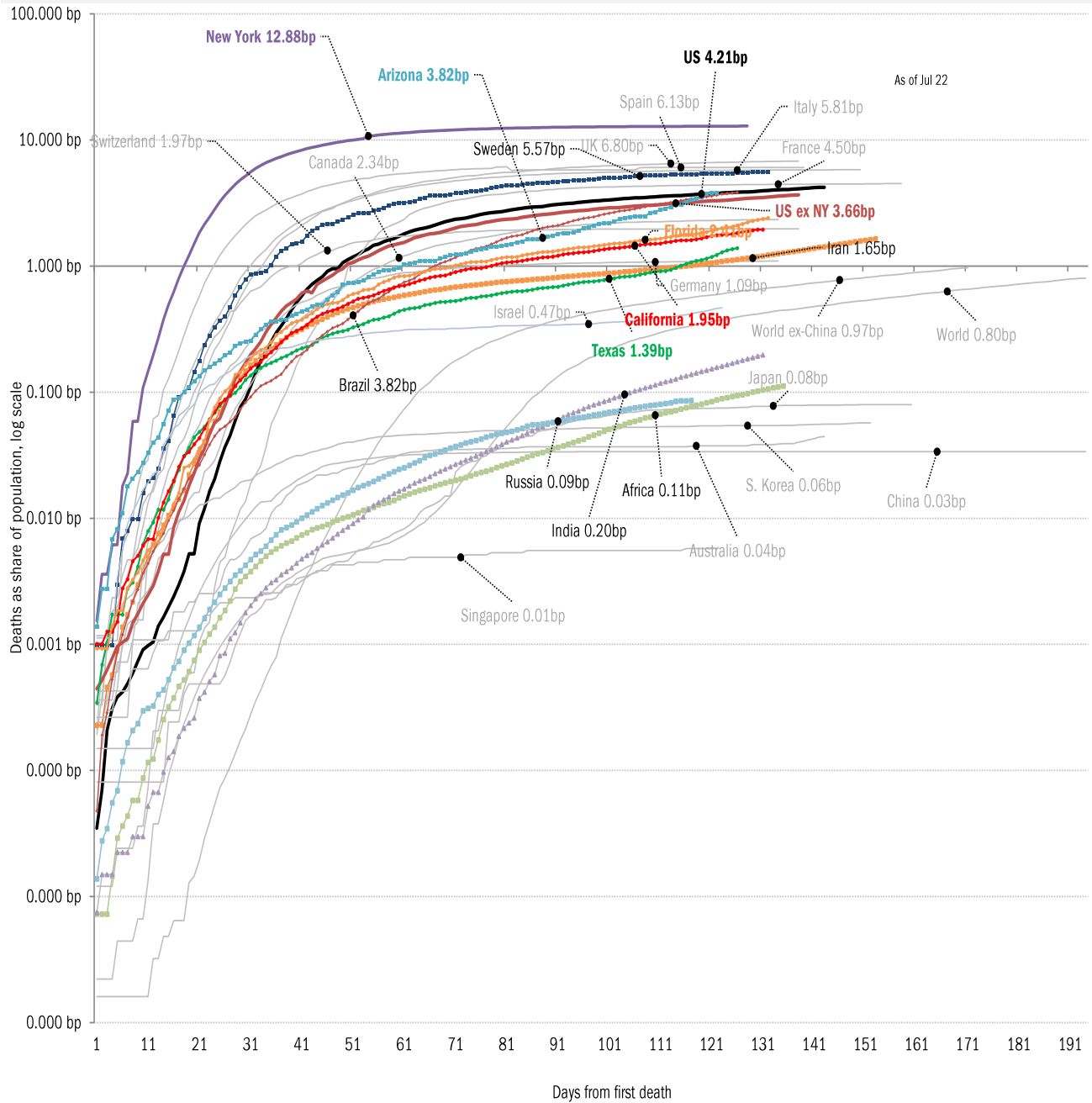
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

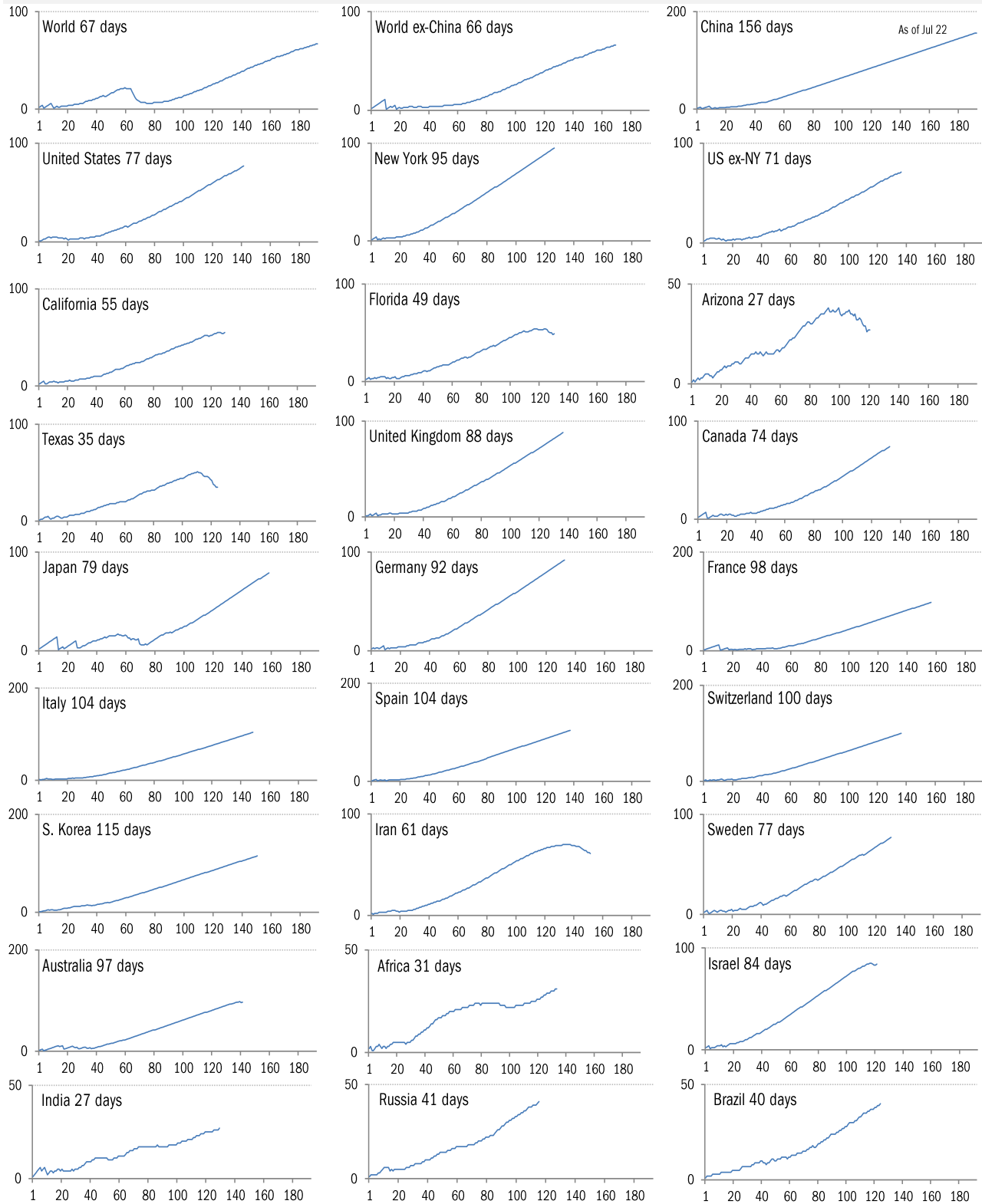
Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

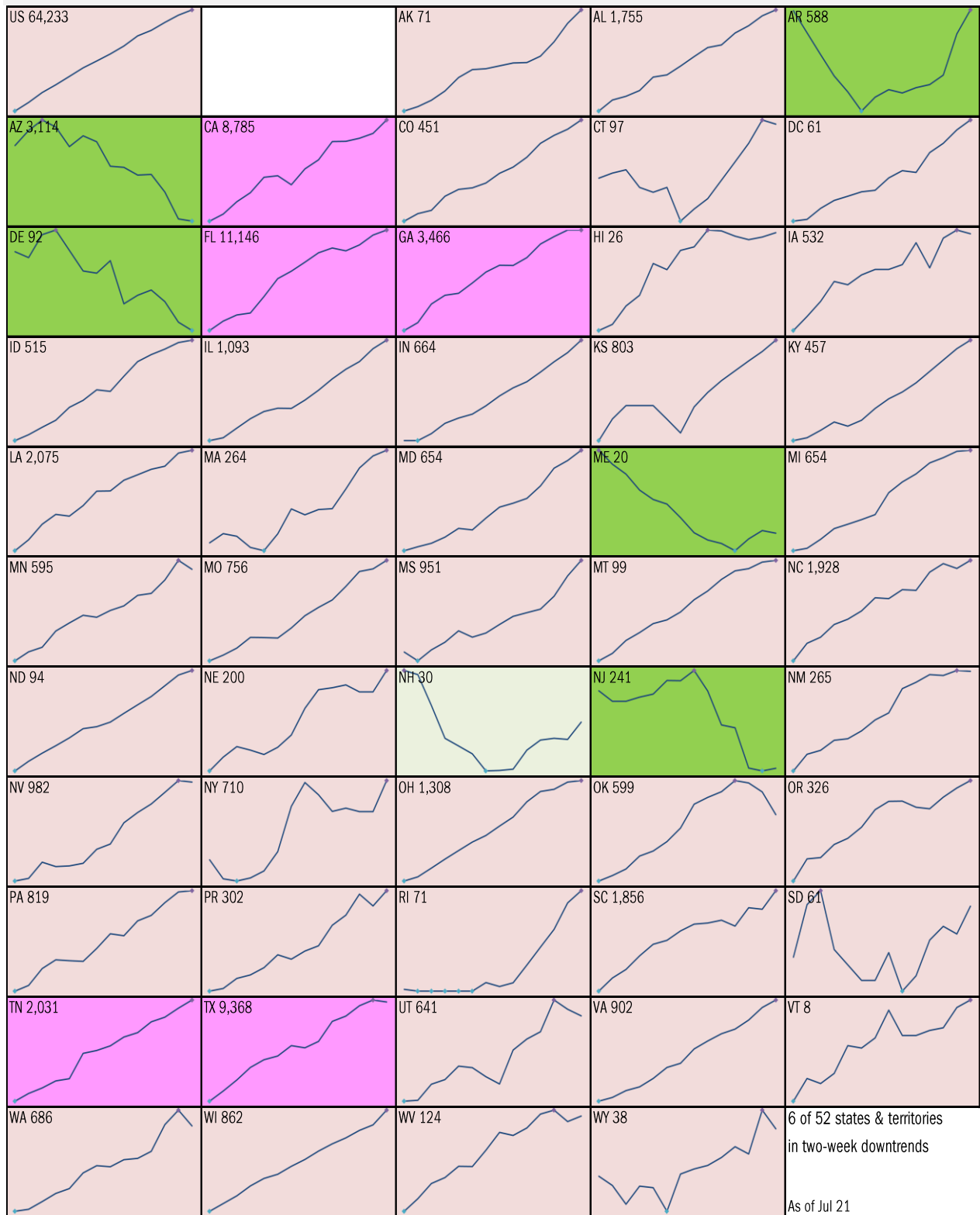
Our most reliable evidence of slowing exponential growth of Covid-2019

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

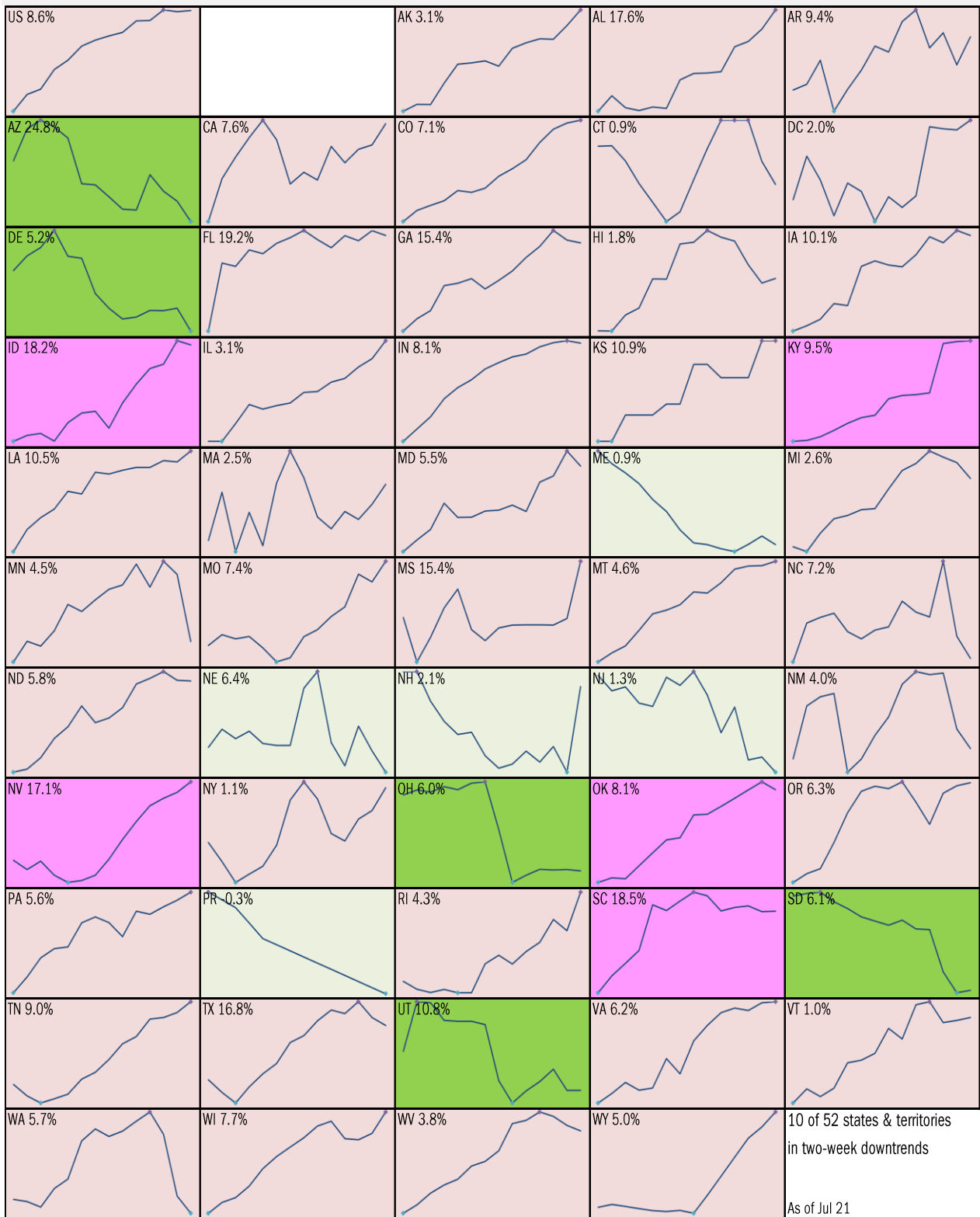


Source: [Covid Tracking Project](#), TrendMacro calculations

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

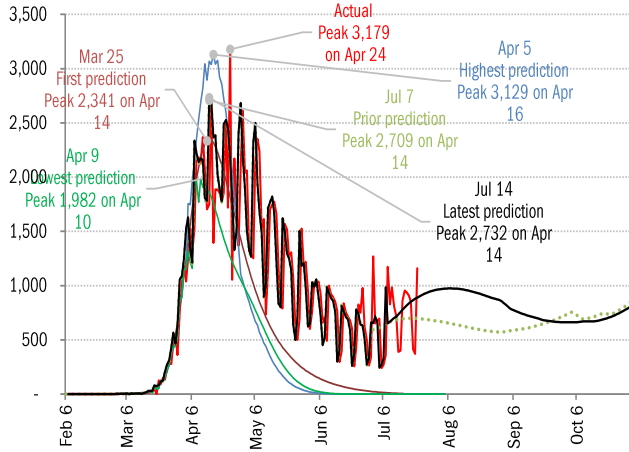


Source: [Covid Tracking Project](#), TrendMacro calculations

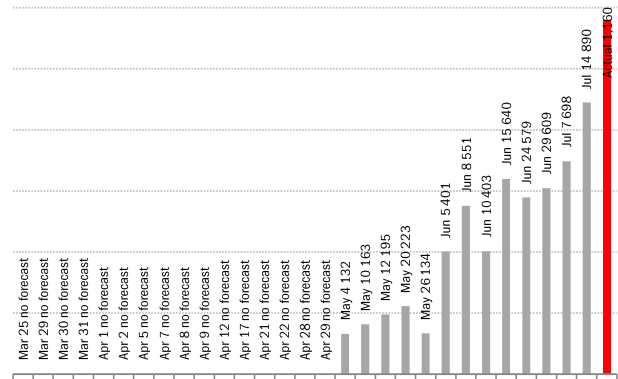
Reality-checking the models: actuals versus [IHME](#) predictions

New daily fatalities

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

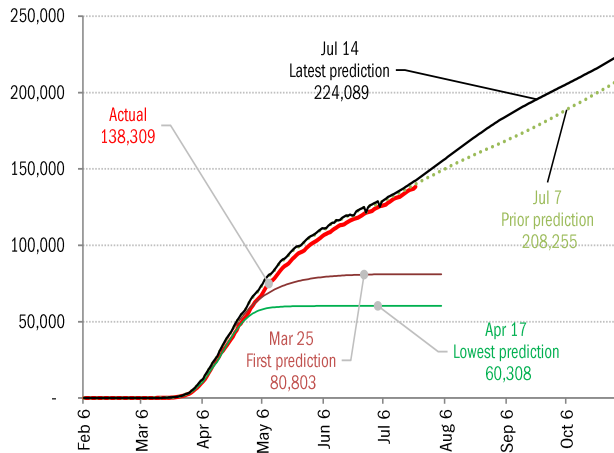


For this day, versus all model mean predictions

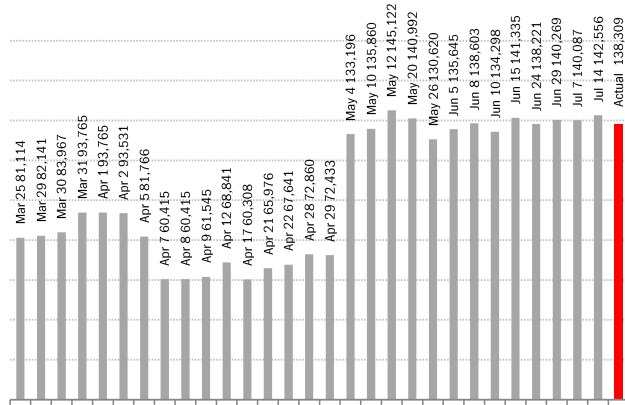


Cumulative fatalities

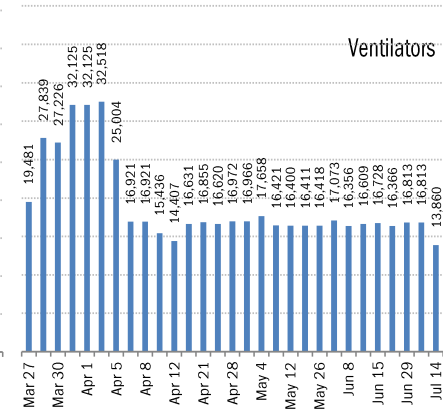
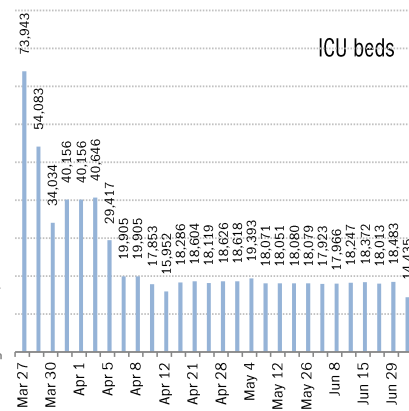
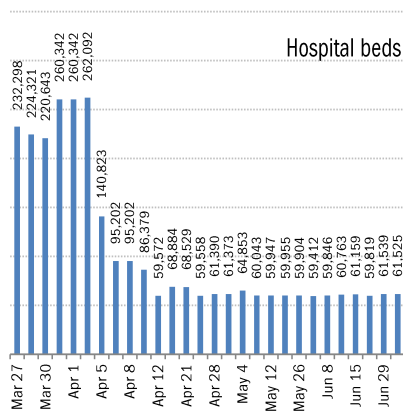
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

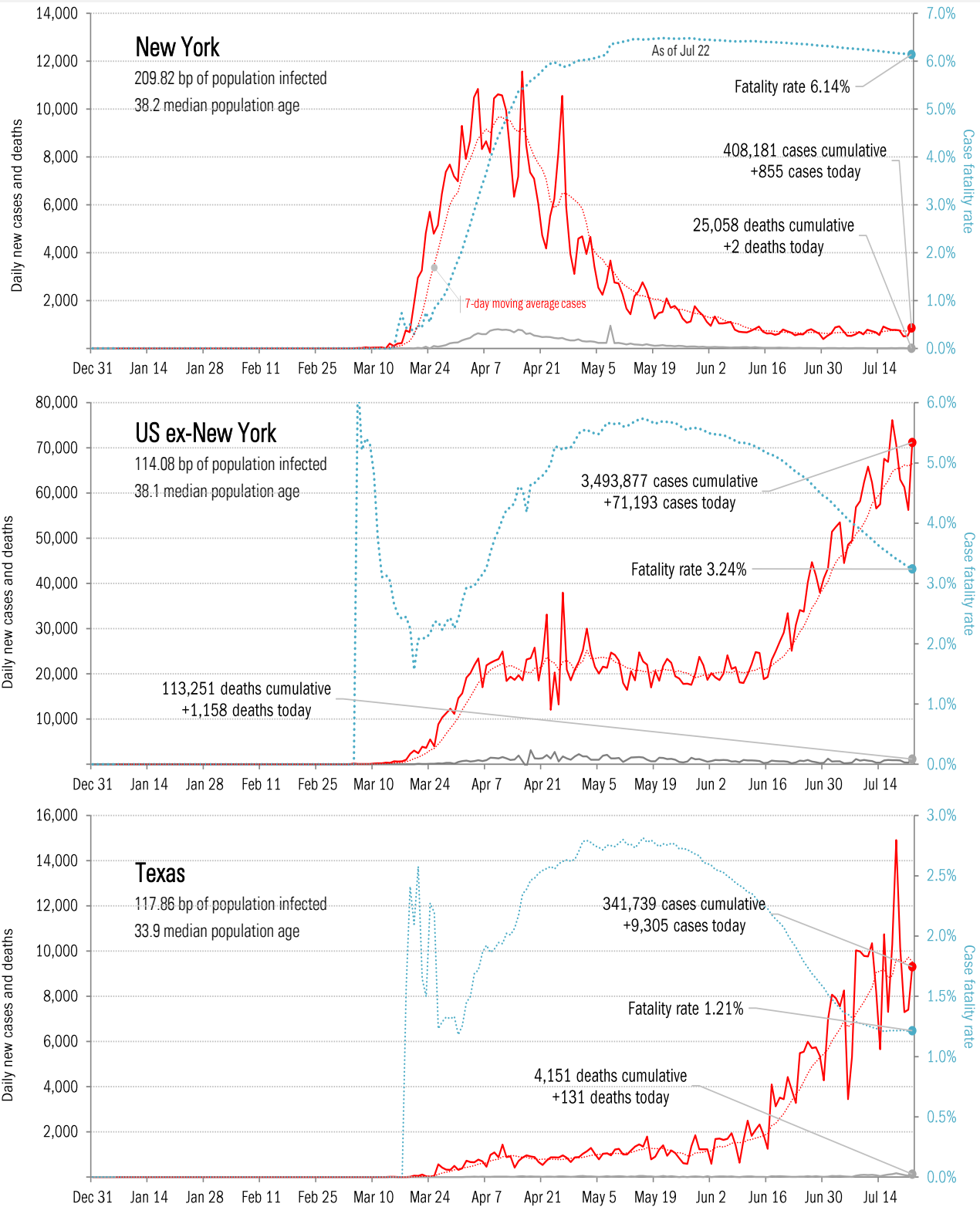


Healthcare system stress, peak estimated at each model revision



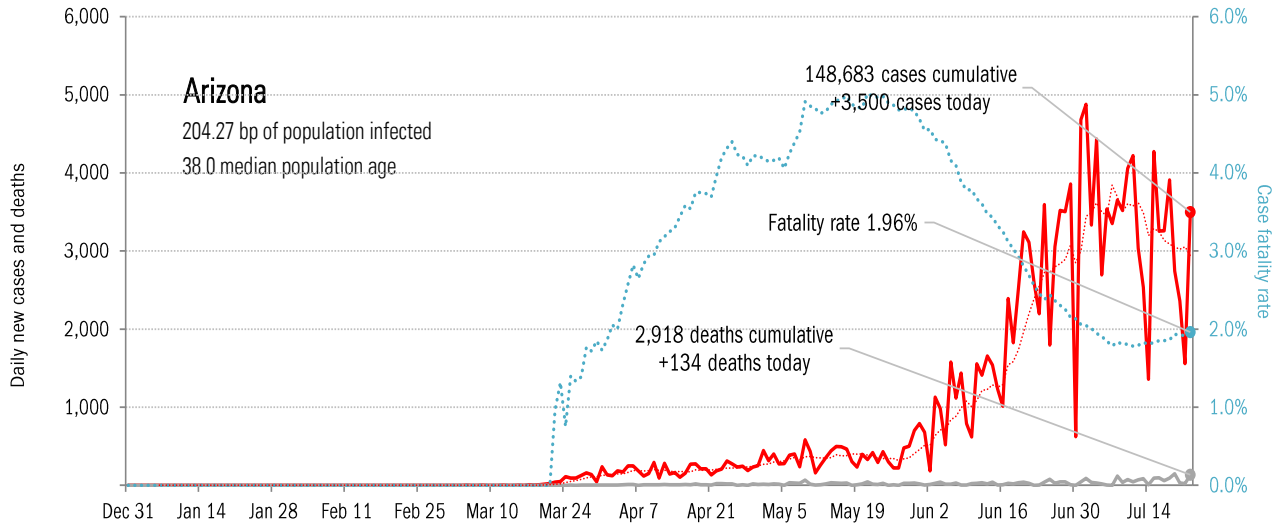
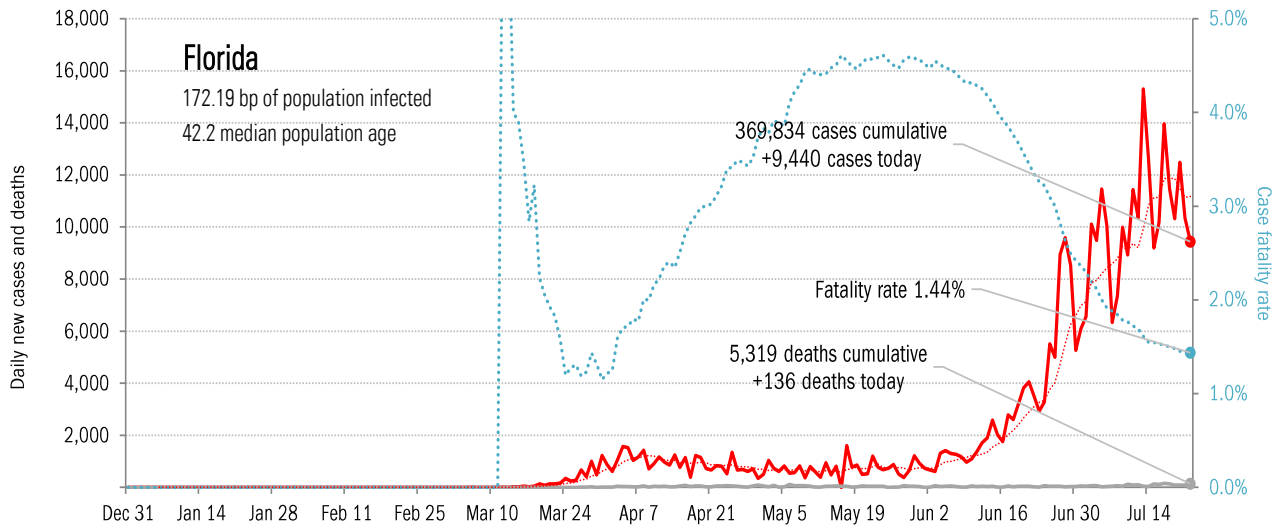
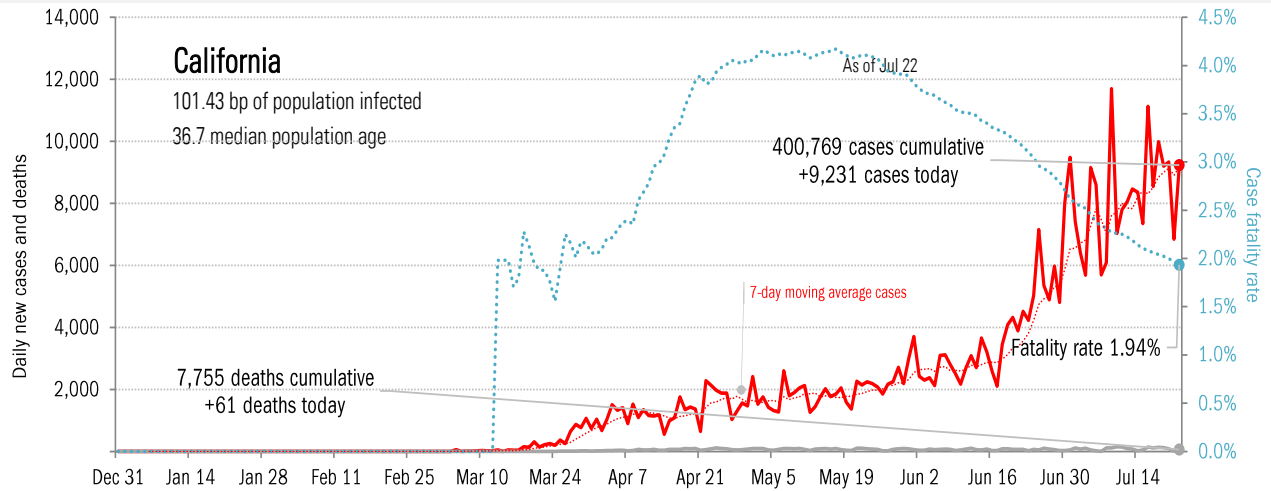
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



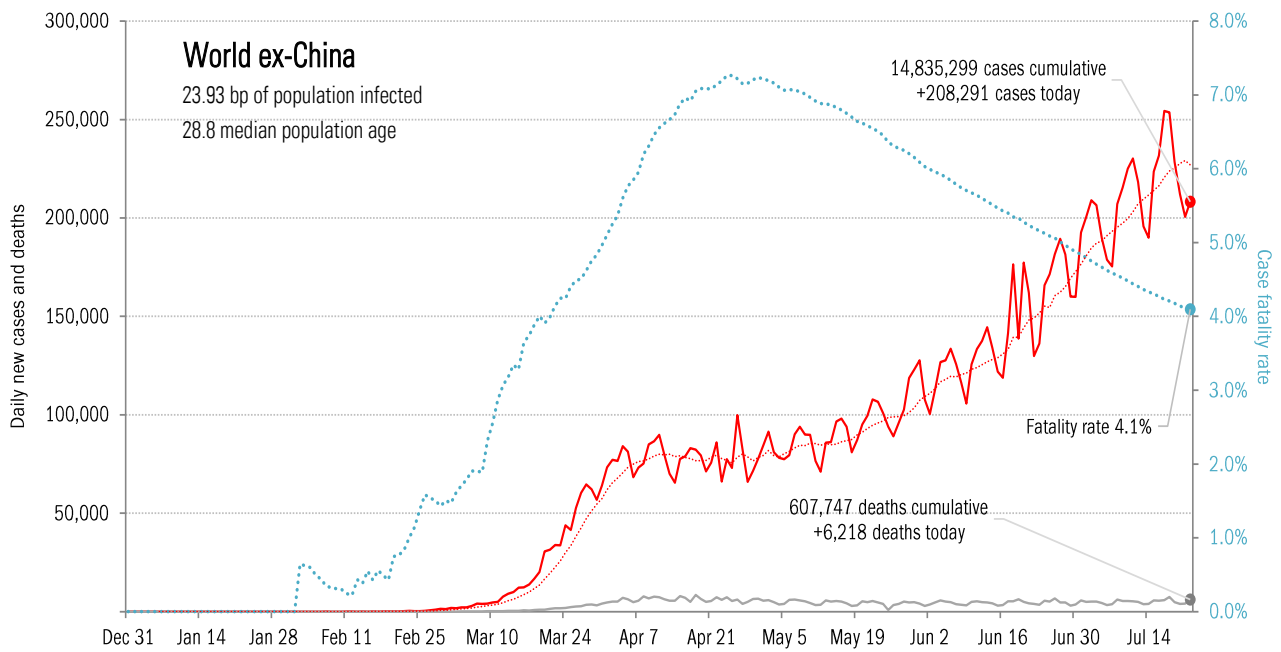
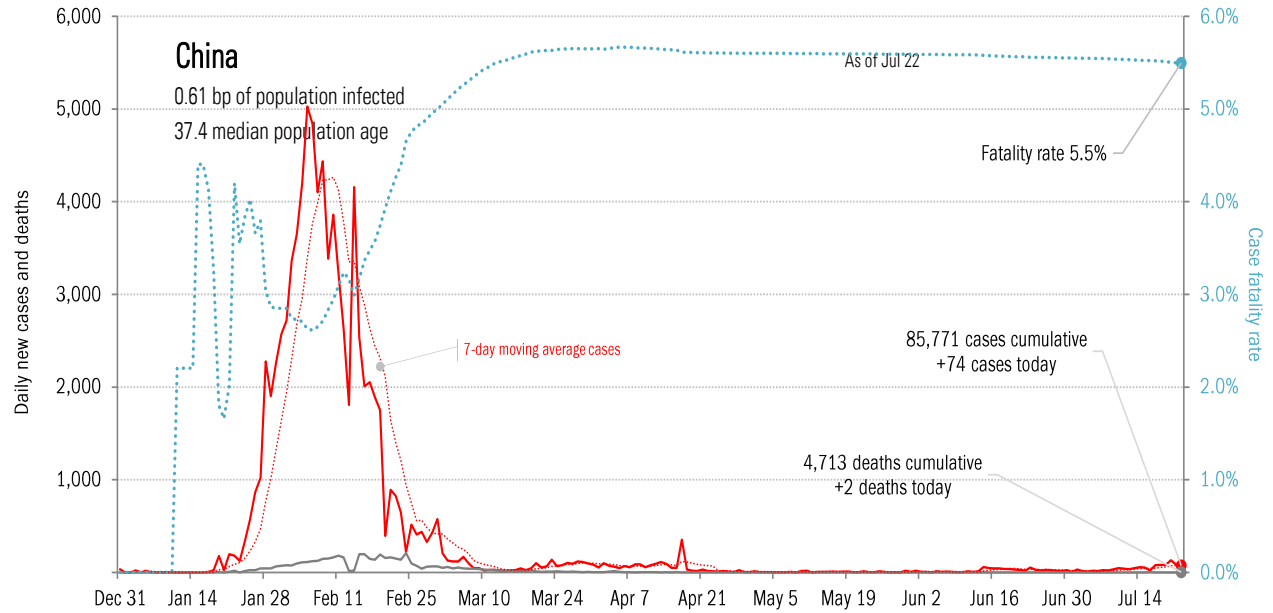
Source: [ECDC](#), TrendMacro calculations

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



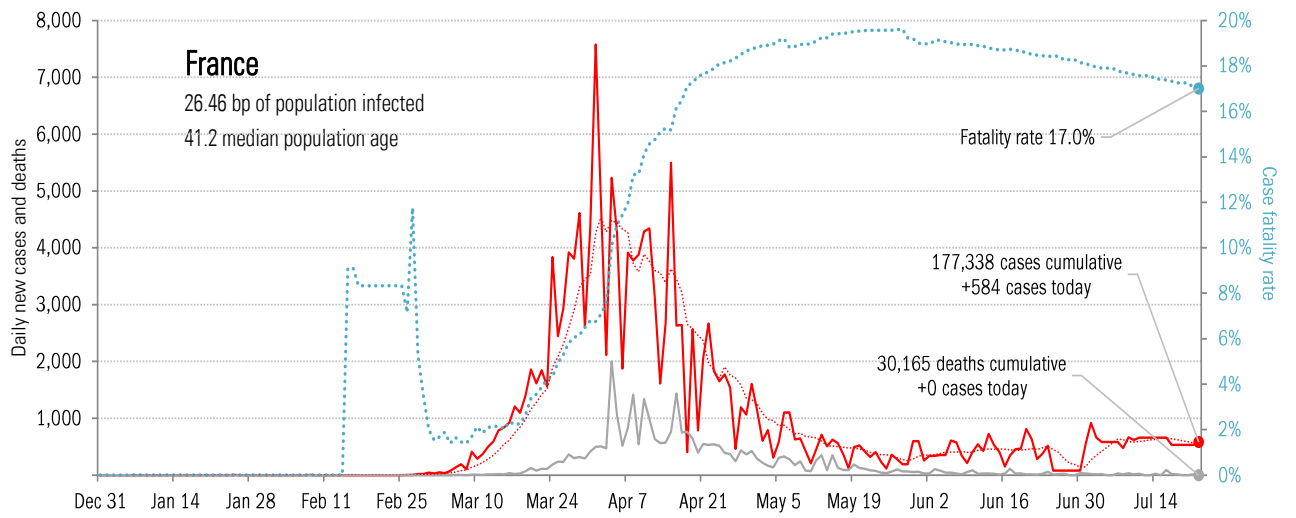
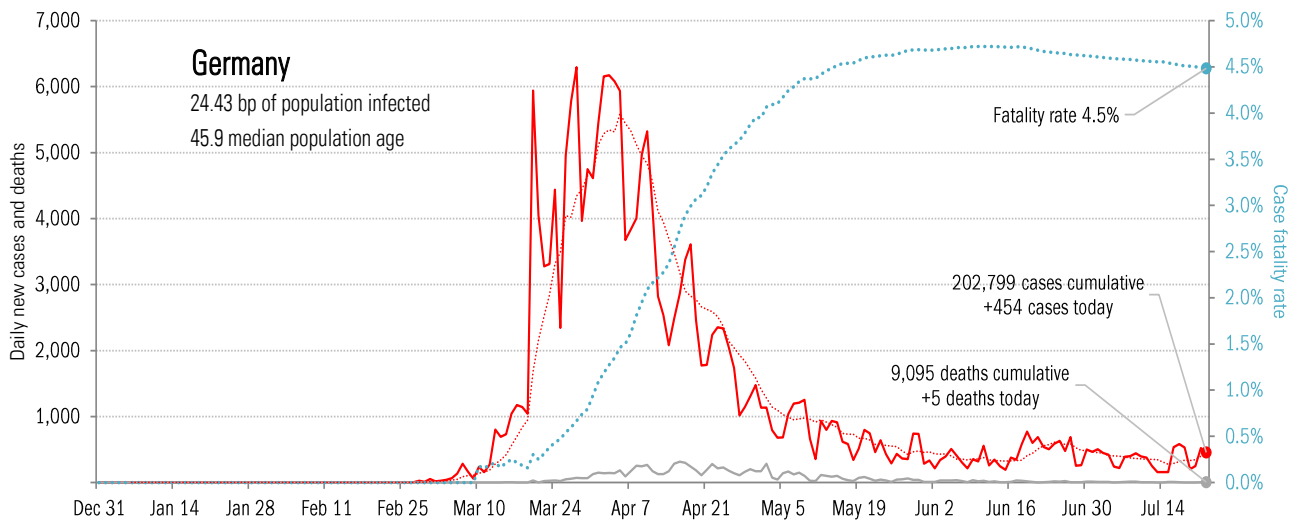
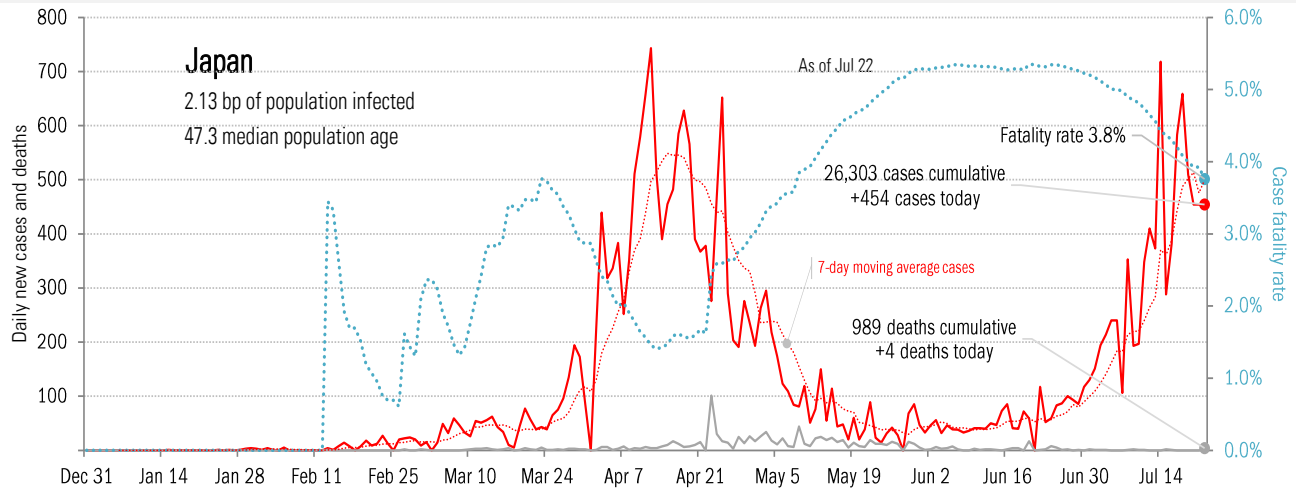
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



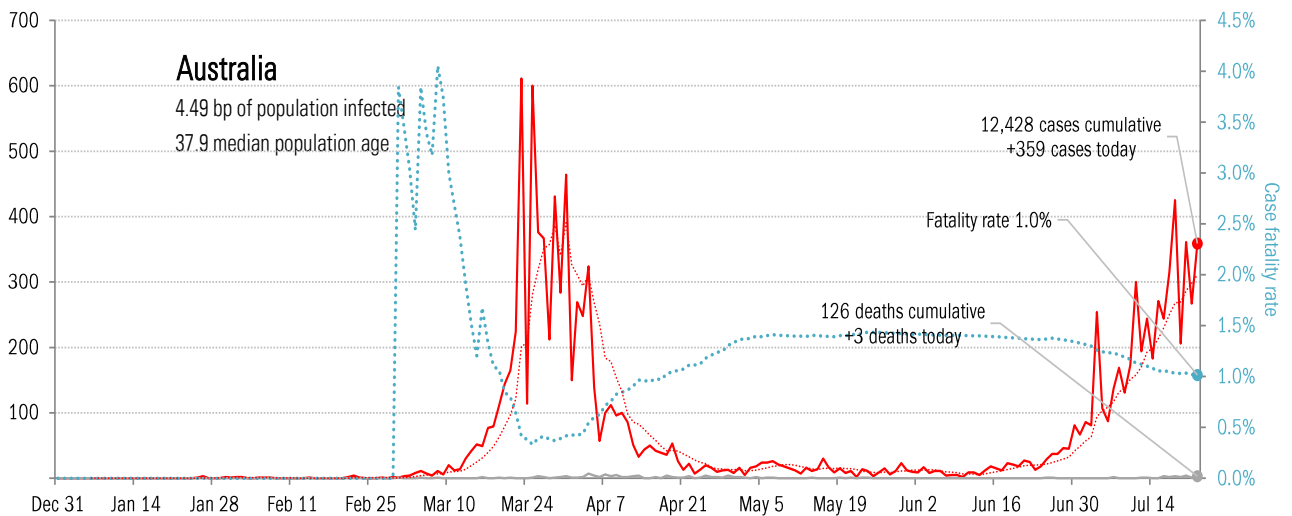
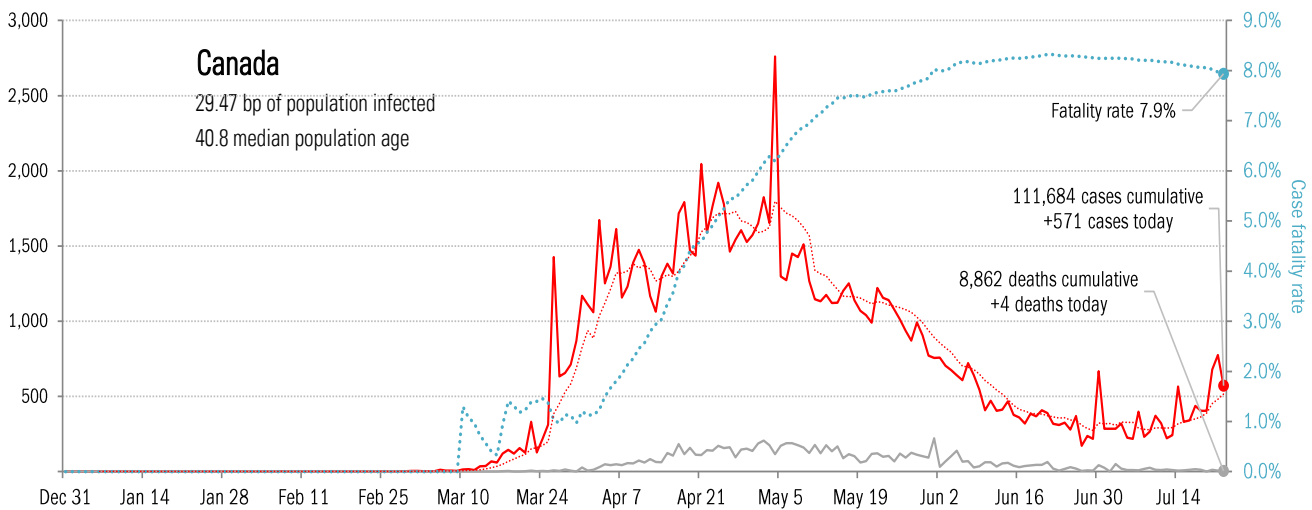
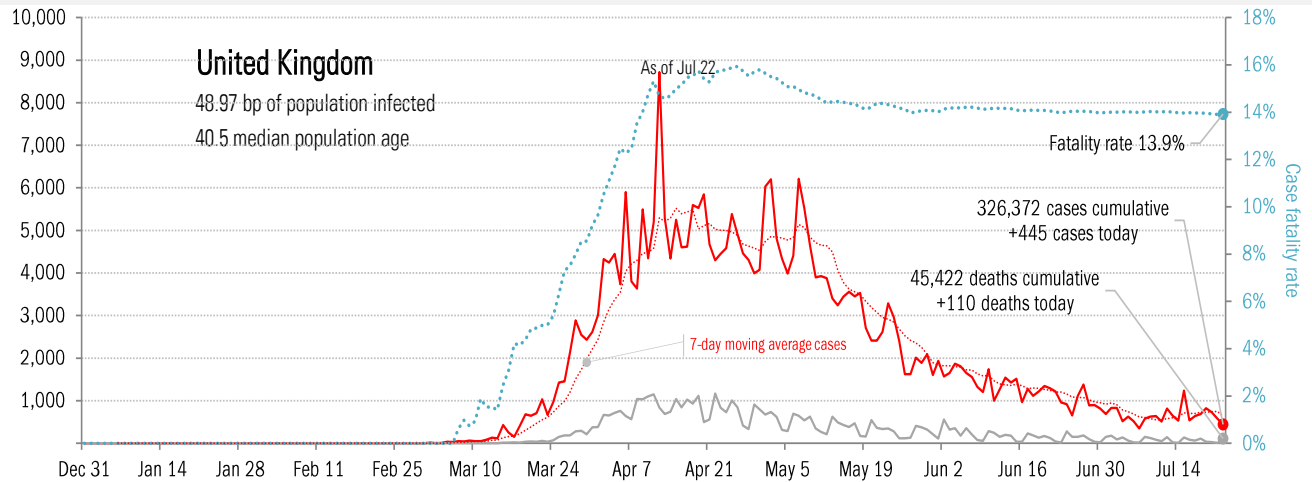
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



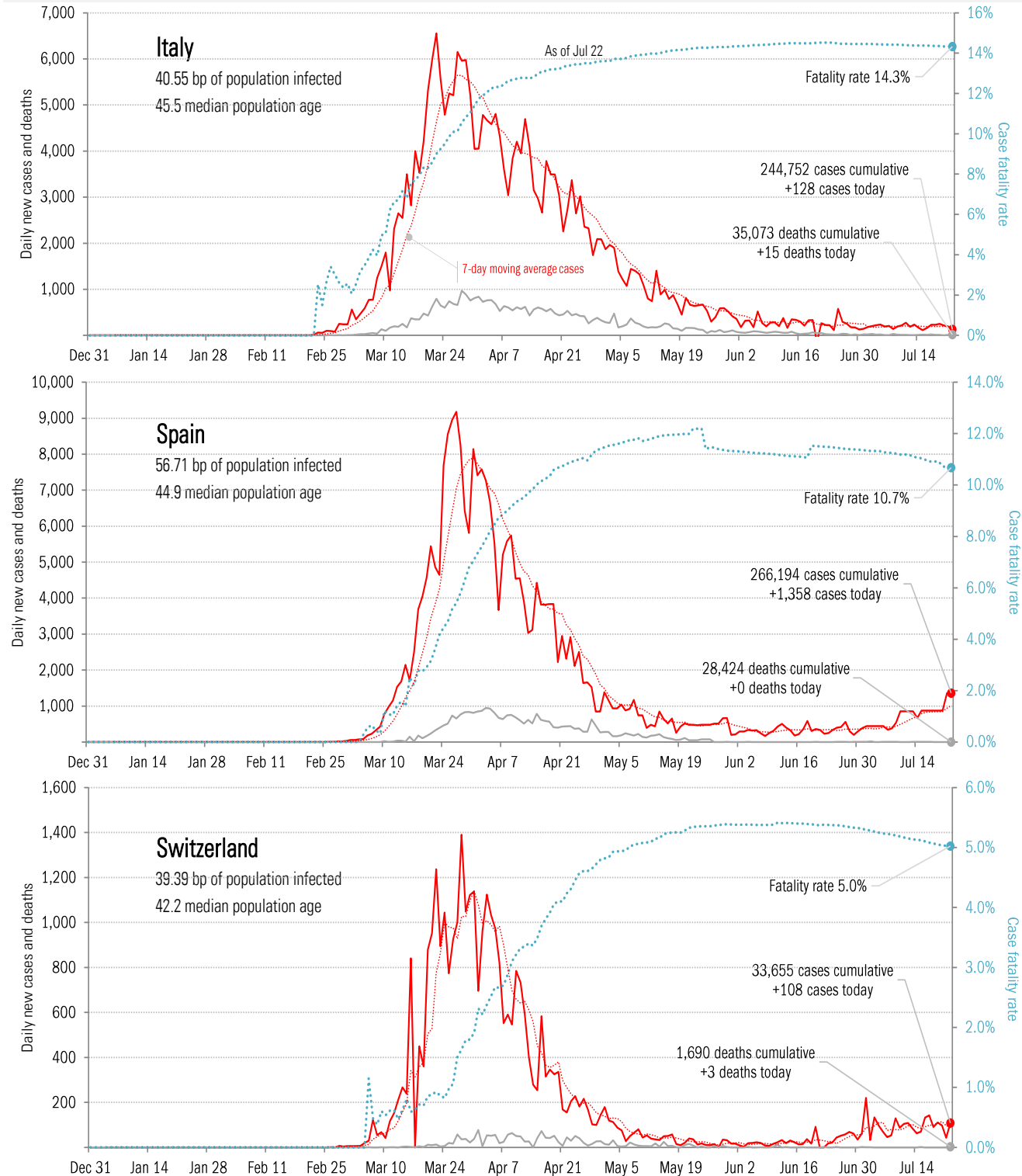
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



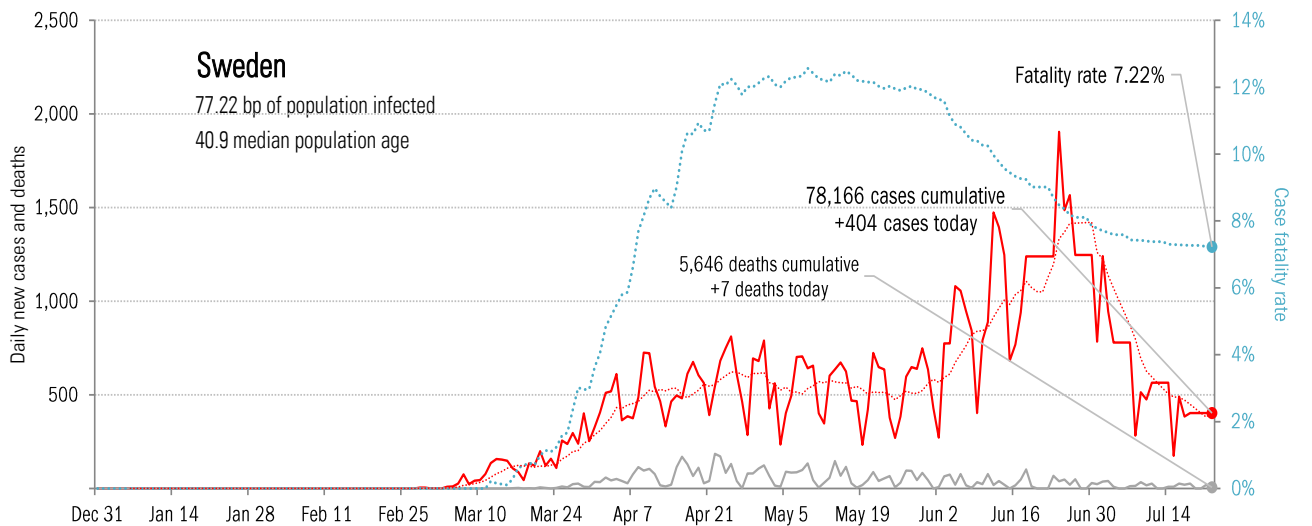
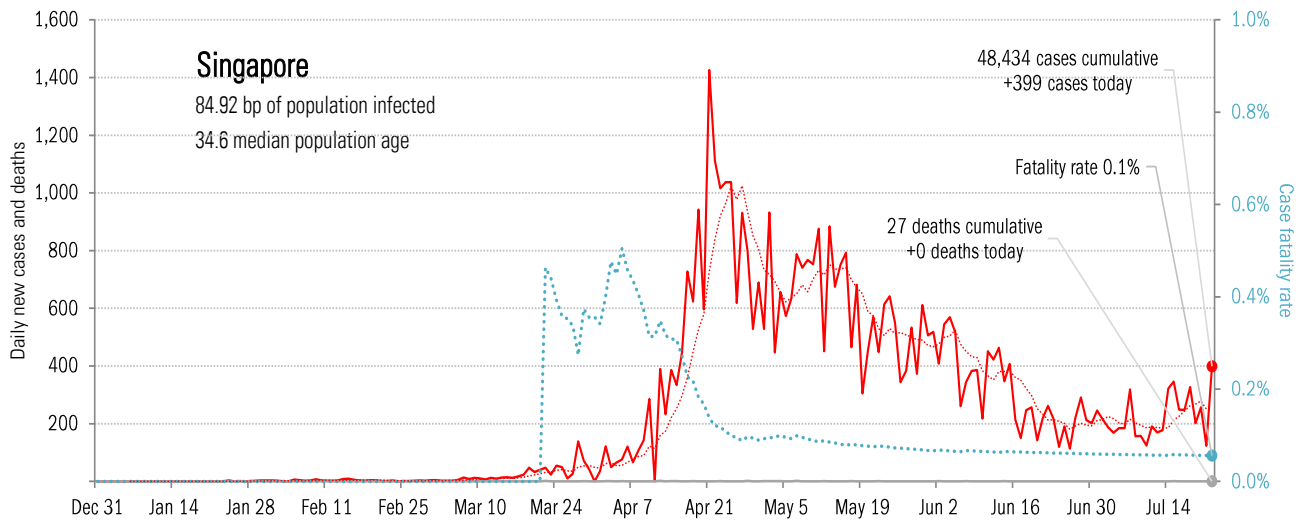
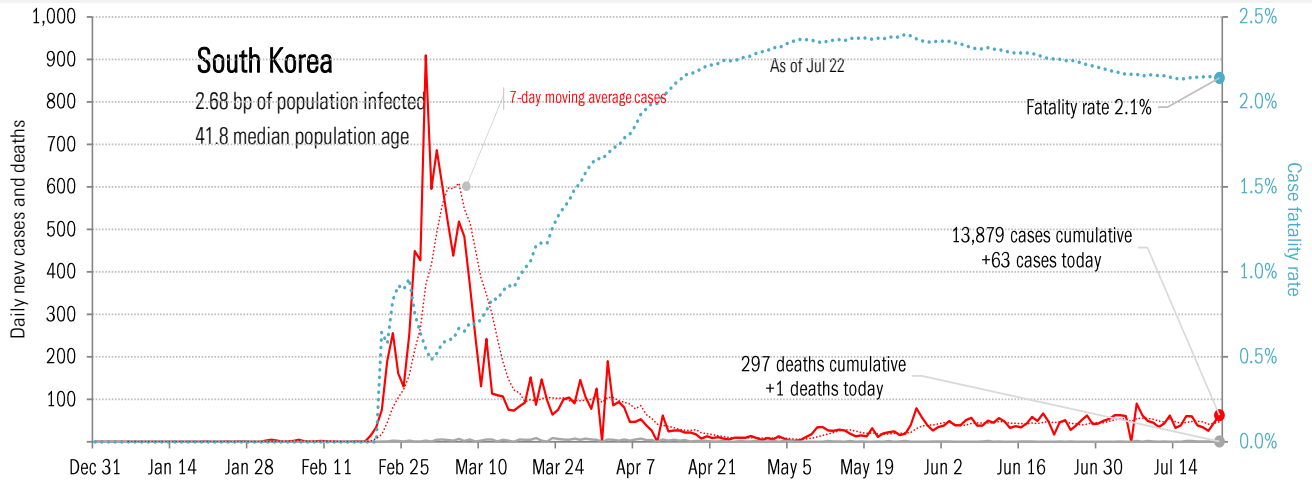
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



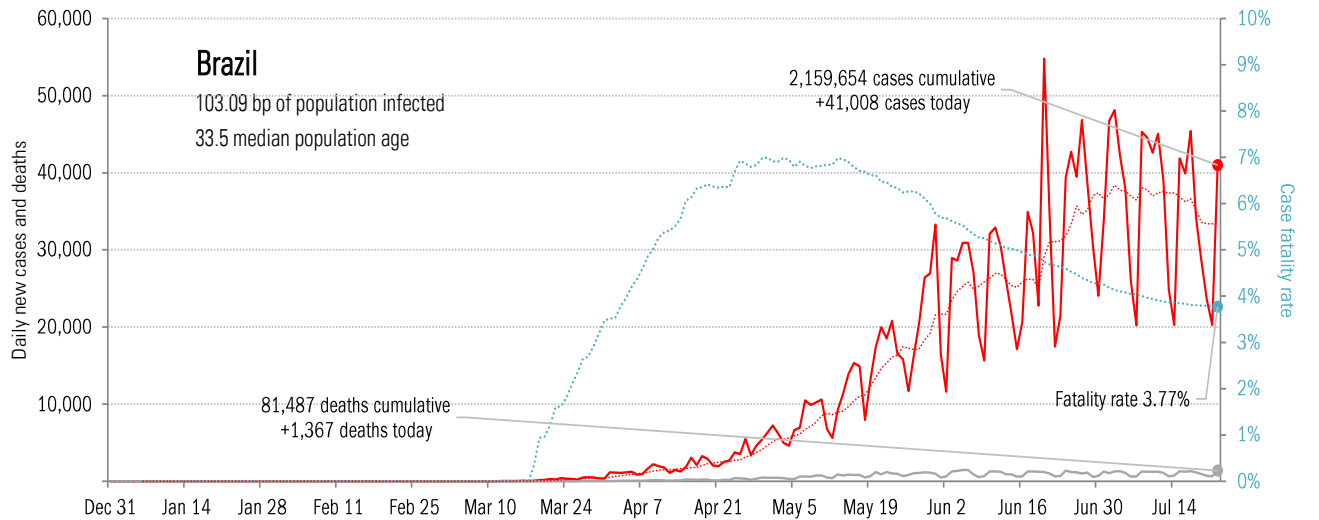
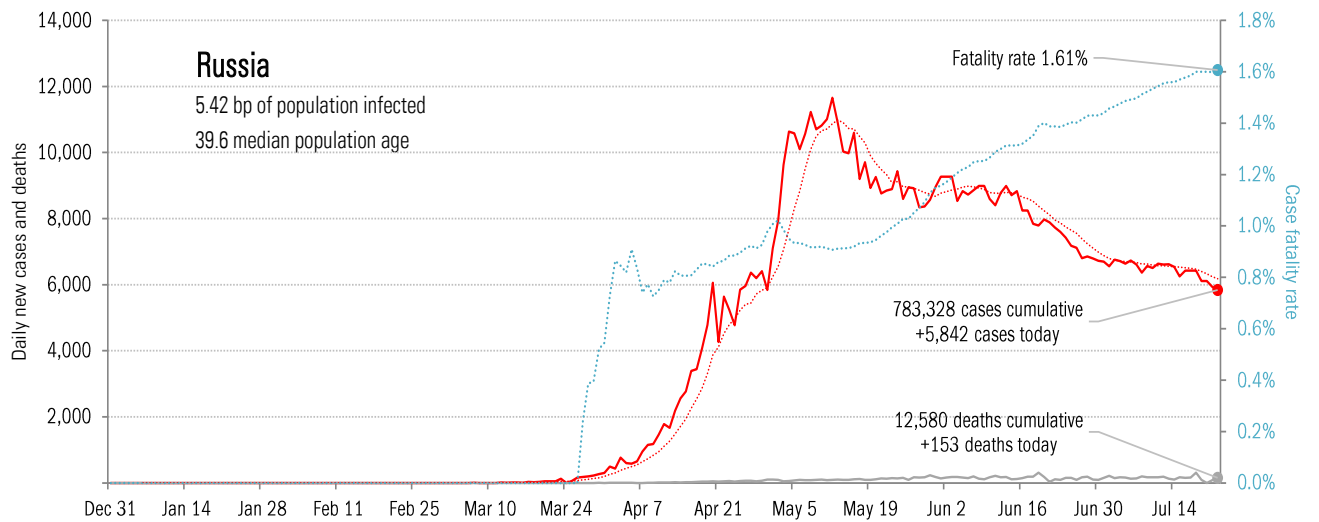
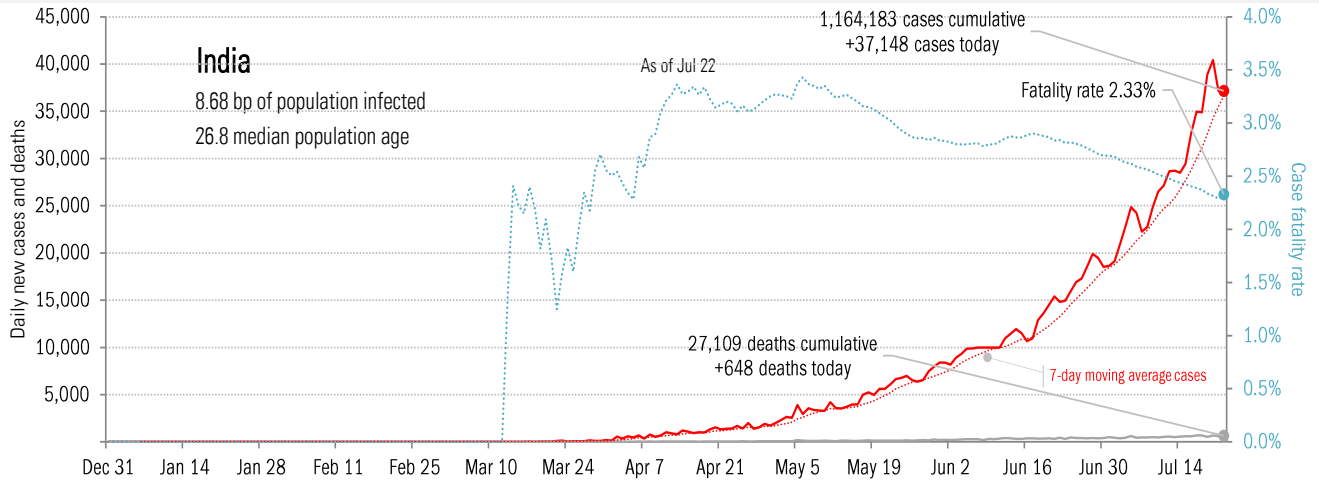
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



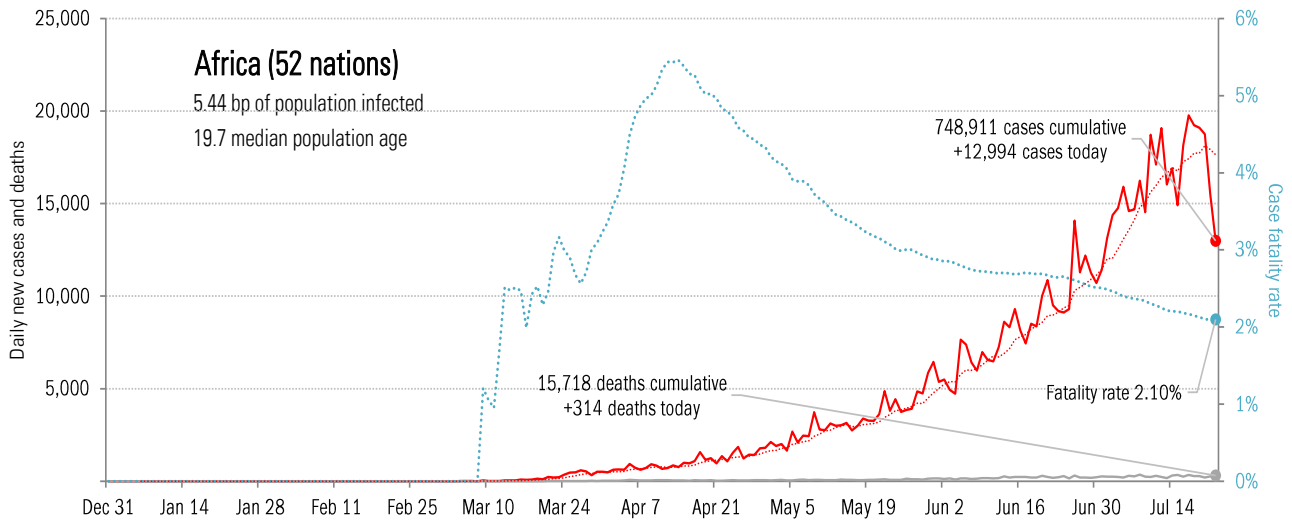
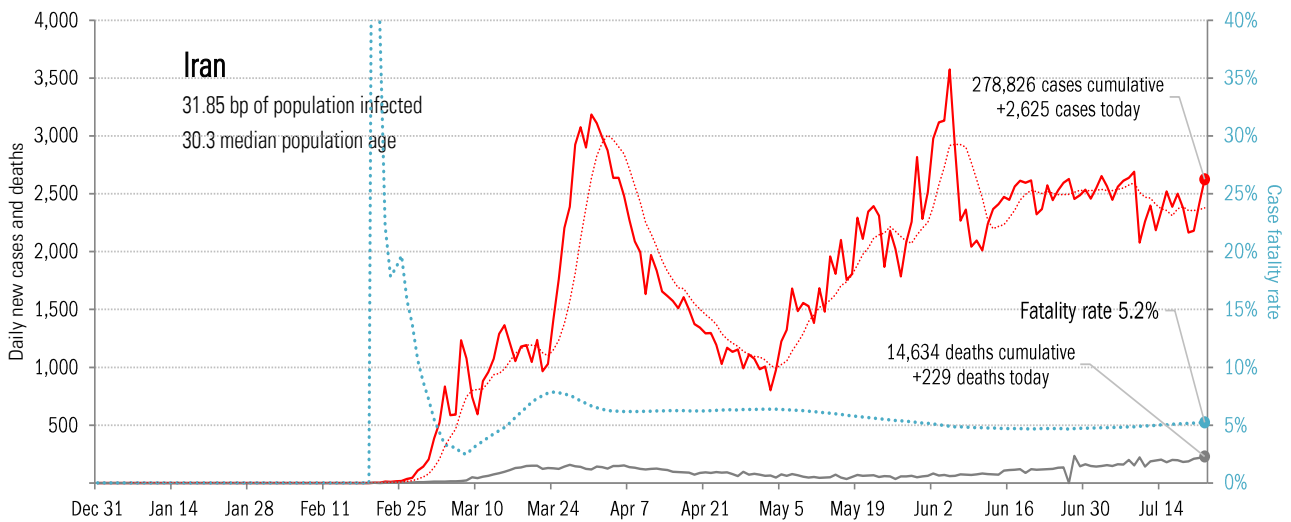
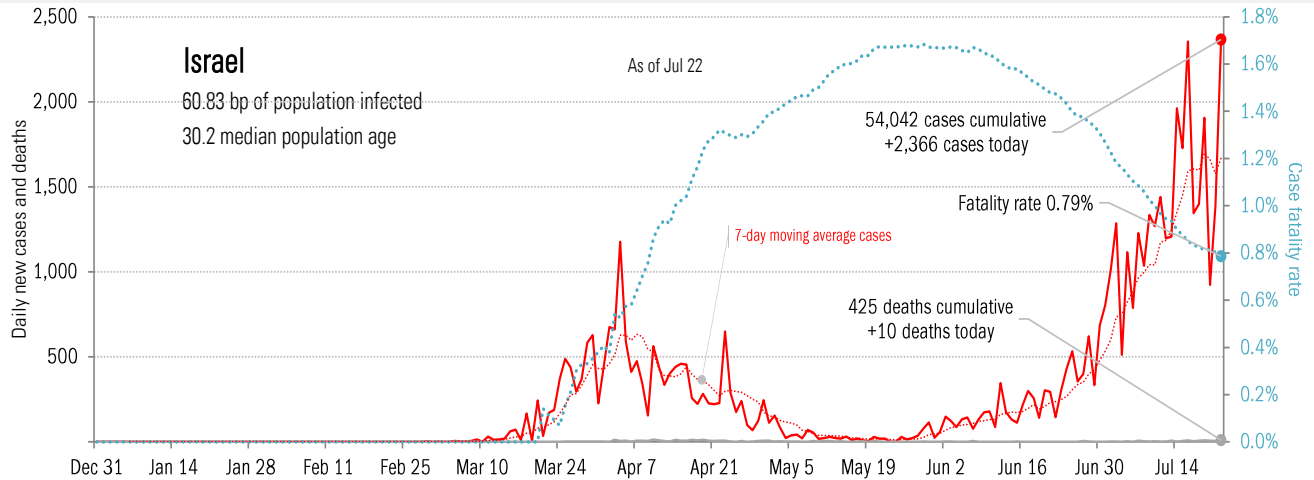
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations