

Data Insights: Covid-2019 Monitor

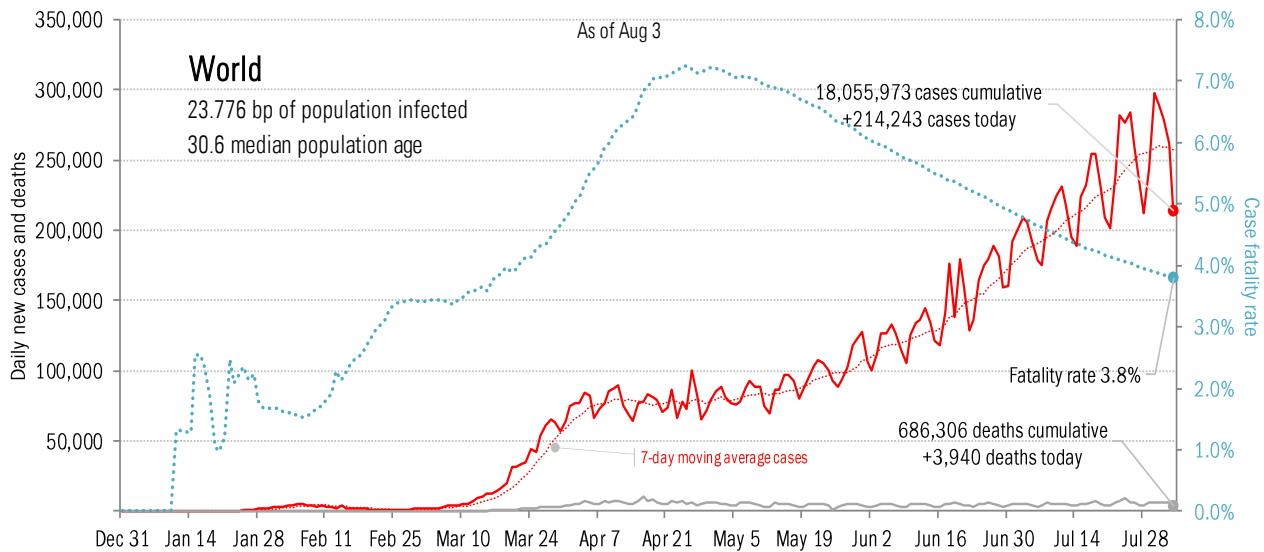
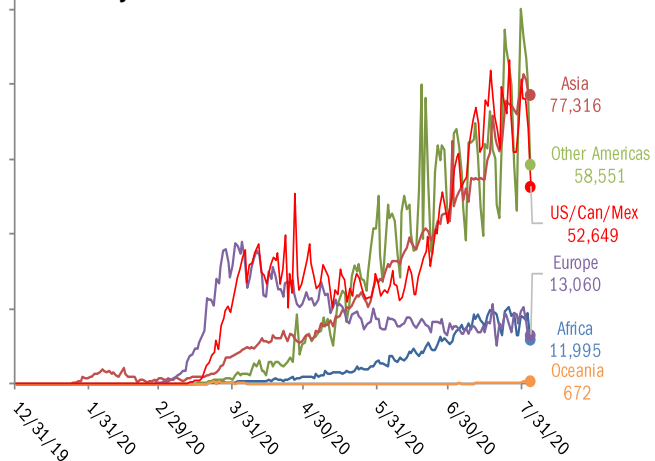
Monday, August 3, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+52,972	India	+771
US	+47,511	Brazil	+541
Brazil	+25,800	US	+413
Colombia	+11,470	Colombia	+320
South_Africa	+8,195	Mexico	+274
Peru	+6,667	South_Africa	+213
Russia	+5,427	Iran	+208
Argentina	+5,241	Peru	+206
Philippines	+4,953	Bolivia	+89
Mexico	+4,853	Chile	+75
+173,089		+3,110	
World +214,243		World +3,940	
Top ten 81%		Top ten 79%	

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

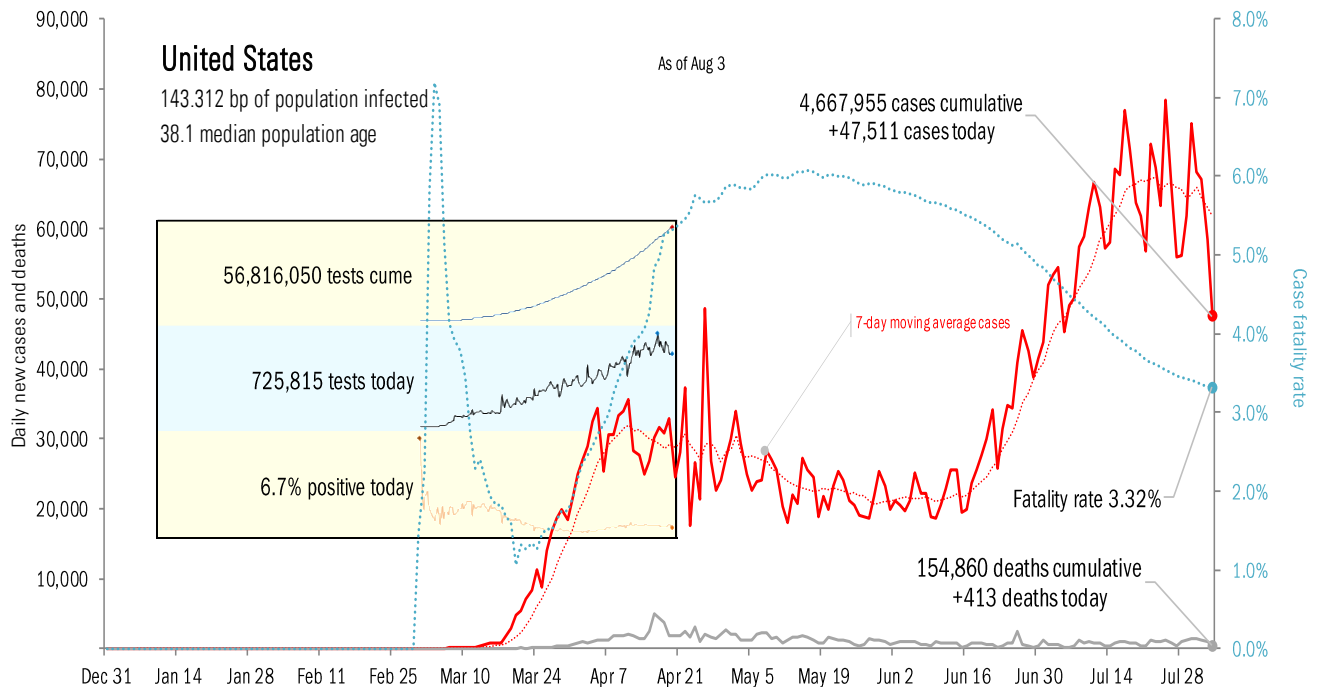
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
TX	+9,359	TX	+268	FL	+180	CA	509,162	NY	25,170	NY	89,995
CA	+9,032	CA	+132	WA	+87	FL	487,132	NJ	15,836	FL	27,524
FL	+7,104	FL	+62	MD	+74	TX	439,844	CA	9,356	NJ	21,565
LA	+3,467	LA	+58	GA	+69	NY	416,298	MA	8,638	GA	19,064
GA	+3,165	MA	+29	IN	+67	GA	193,177	IL	7,714	VA	13,280
AL	+2,095	WA	+28	CH	+43	IL	183,224	PA	7,209	MD	12,746
WA	+1,738	SC	+26	AR	+42	NJ	182,350	FL	7,206	MA	11,936
IL	+1,467	AL	+24	WI	+36	AZ	178,467	TX	7,105	AZ	11,371
AZ	+1,465	AZ	+18	MN	+33	NC	125,219	MI	6,457	CH	10,900
TN	+1,443	GA	+15	TN	+32	LA	119,747	CT	4,432	CT	10,807
+40,335		+660		+663		2,834,620		99,123		229,188	
All states	+58,053	All states	+783	All states	+839	All states	4,653,924	All states	147,402	All states	311,223
Top ten	69%	Top ten	84%	Top ten	79%	Top ten	61%	Top ten	67%	Top ten	74%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-2,538	FL	-116	KY	-468	CH	+1,075
AZ	-1,527	CA	-87	SC	-410	TN	+820
TN	-782	GA	-58	FL	-259	MN	+728
CK	-750	VA	-38	GA	-237	WI	+680
AR	-662	AZ	-35	AZ	-61	UT	+642



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

Recommended reading

[School leaders and parents outraged over Montgomery County's closure of nonpublic schools](#)

Timothy P. Carney
Washington Examiner
August 02, 2020

[Probability of symptoms and critical disease after SARS-CoV-2 infection](#)

Piero Poletti et al.
arXiv
June 15, 2020

[AstraZeneca to be exempt from coronavirus vaccine liability claims in most countries](#)

Reuters
July 30, 2020

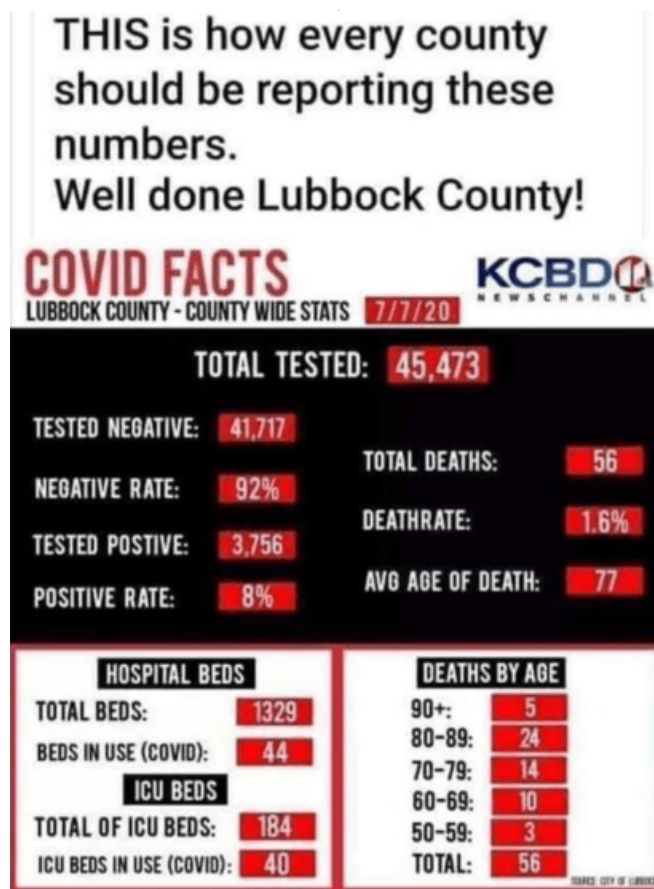
[Proportion of asymptomatic coronavirus carriers above 70 percent](#)

Tim Sandle
Digital Journal
August 2, 2020

[Critically ill COVID-19 patients make quick recovery with treatment RIF-100](#)

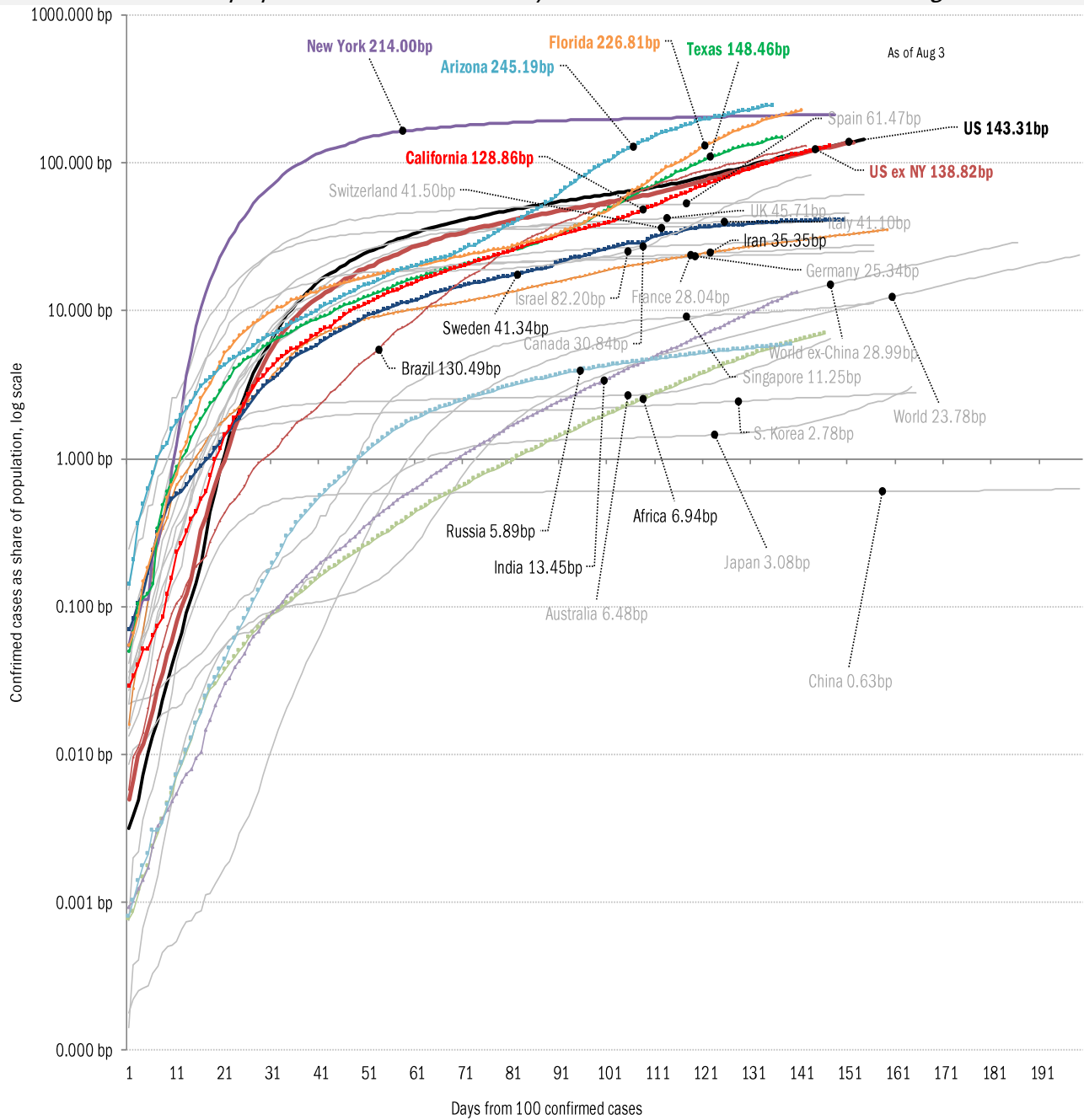
Reuters
August 2, 2020

Meme of day



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

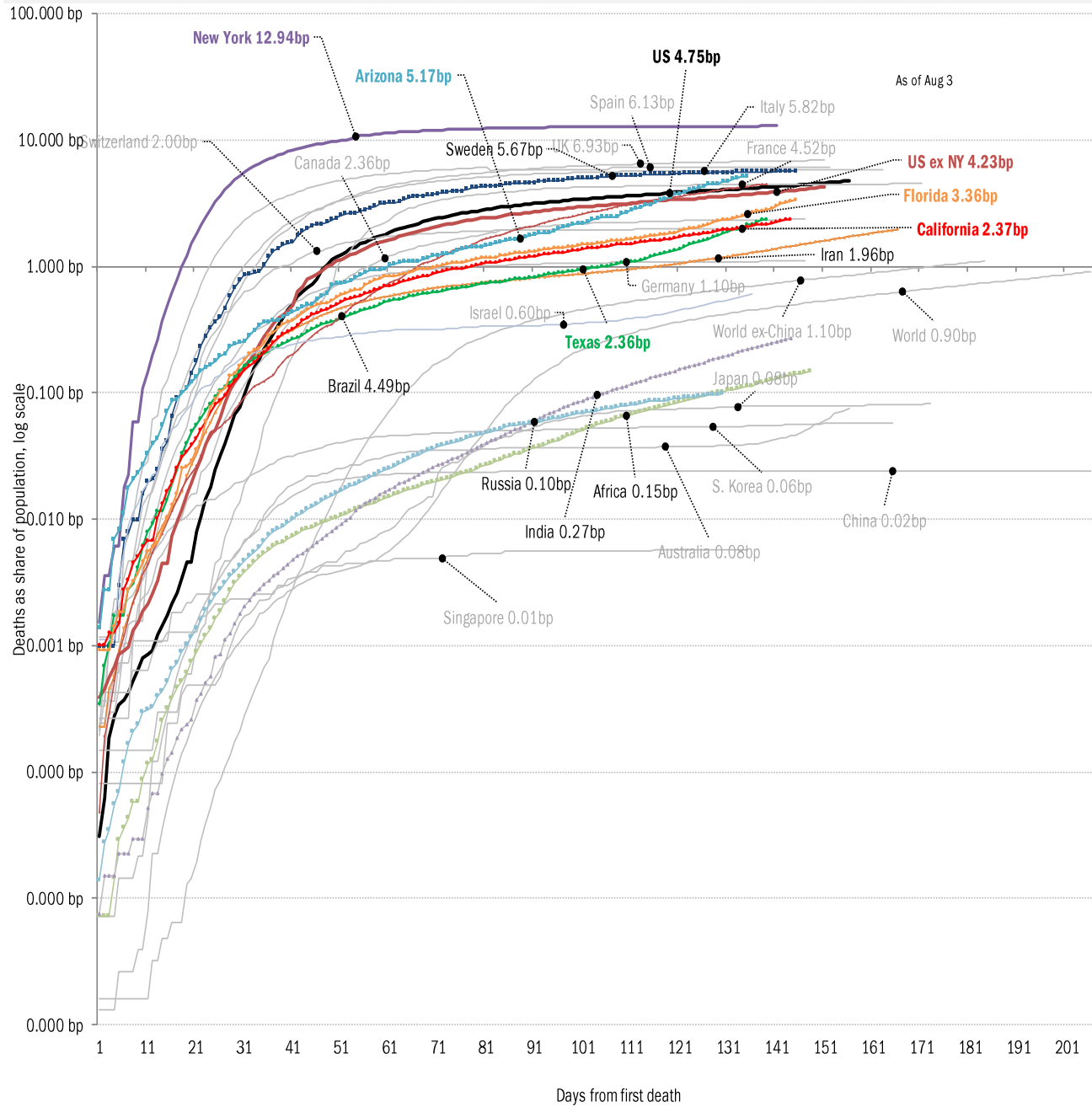
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

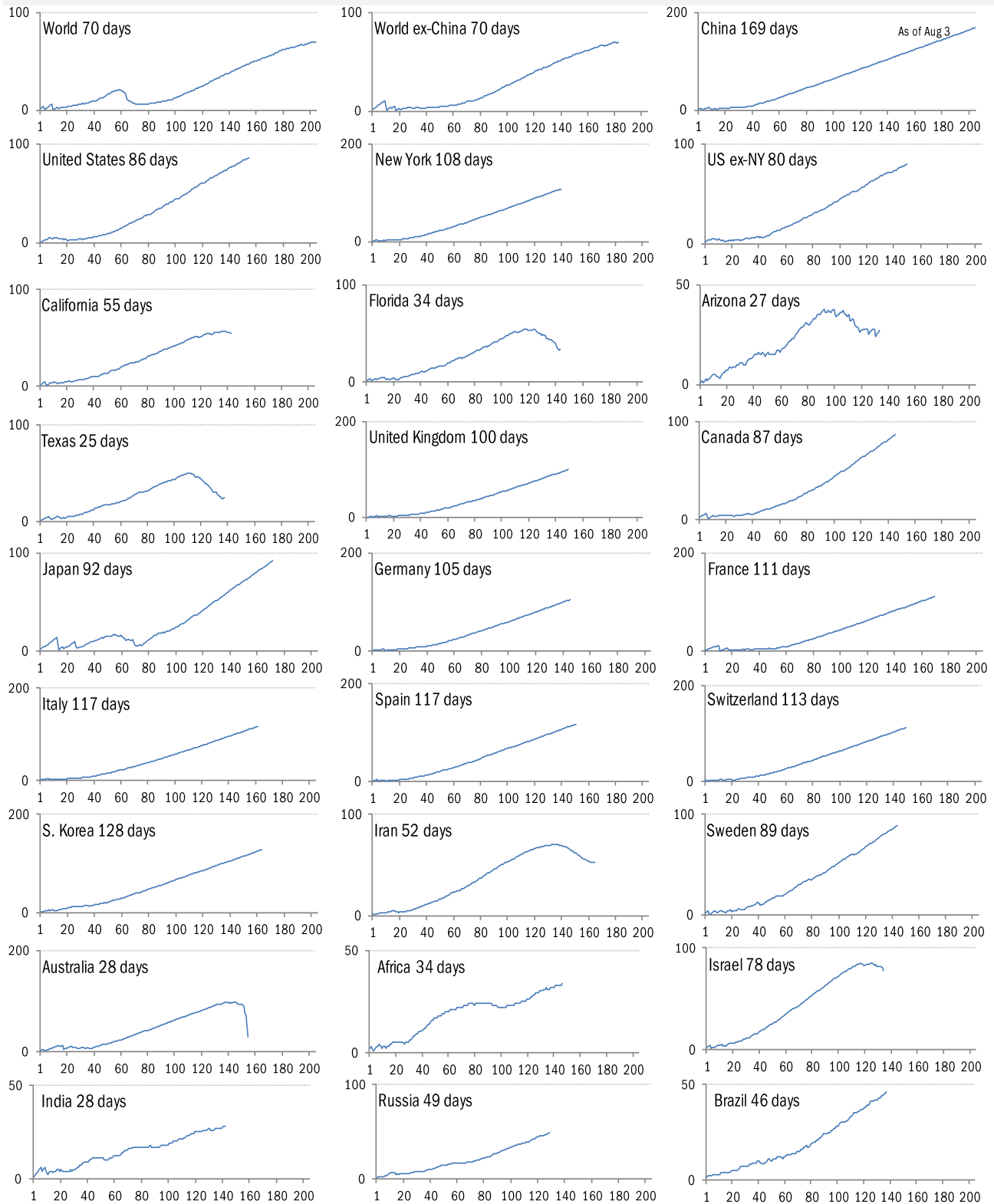
Share of deceased population from day of first fatality



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

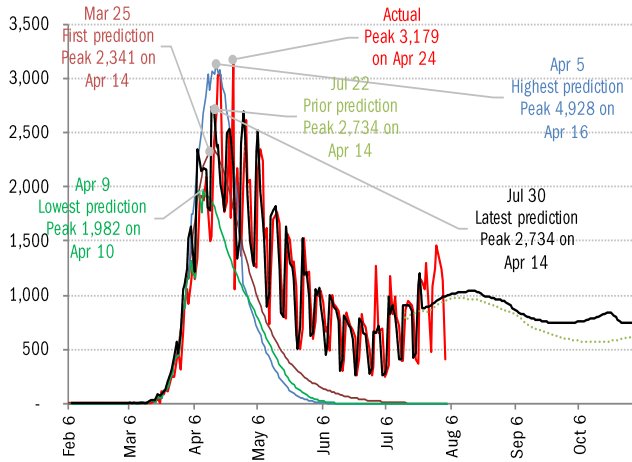


Source: [Covid Tracking Project](#), TrendMacro calculations

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

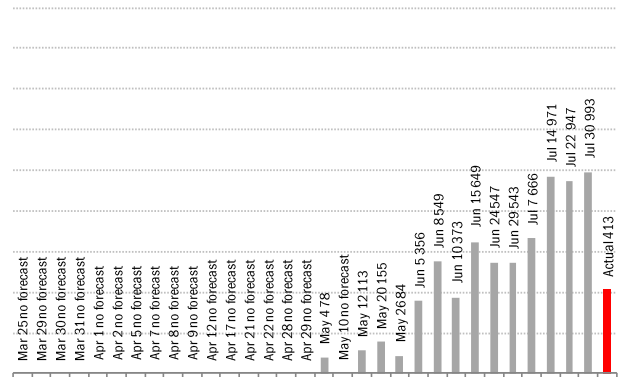
New daily fatalities

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



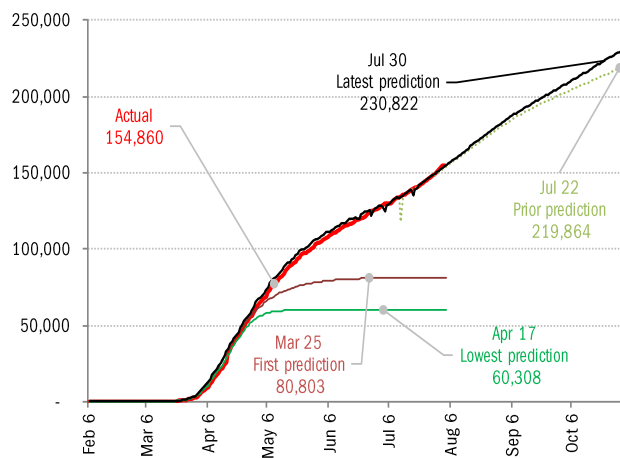
As of Aug 3

For this day, versus all model mean predictions

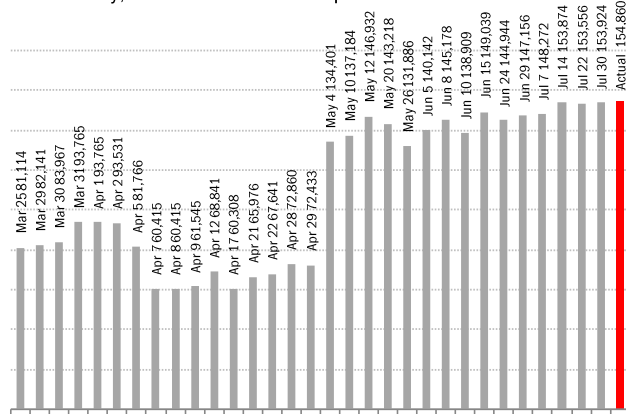


Cumulative fatalities

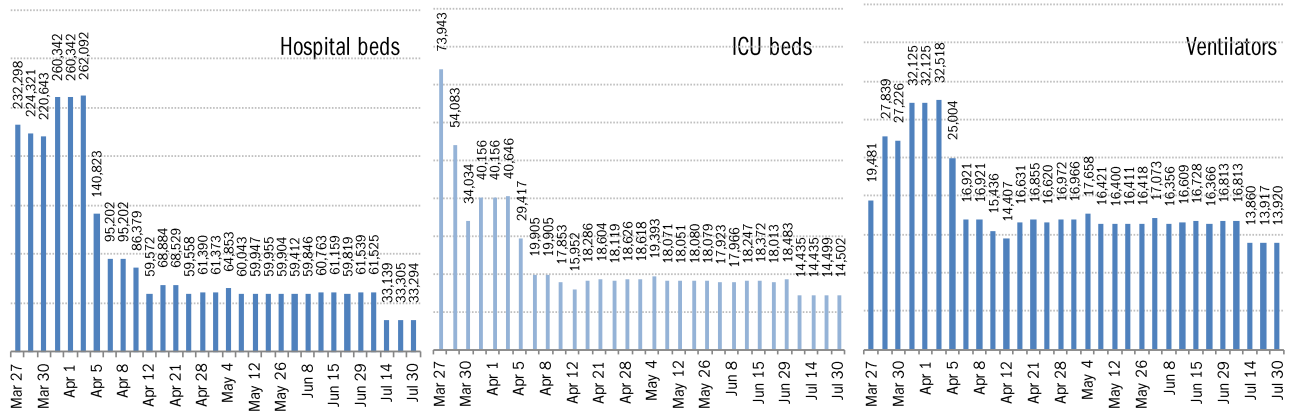
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

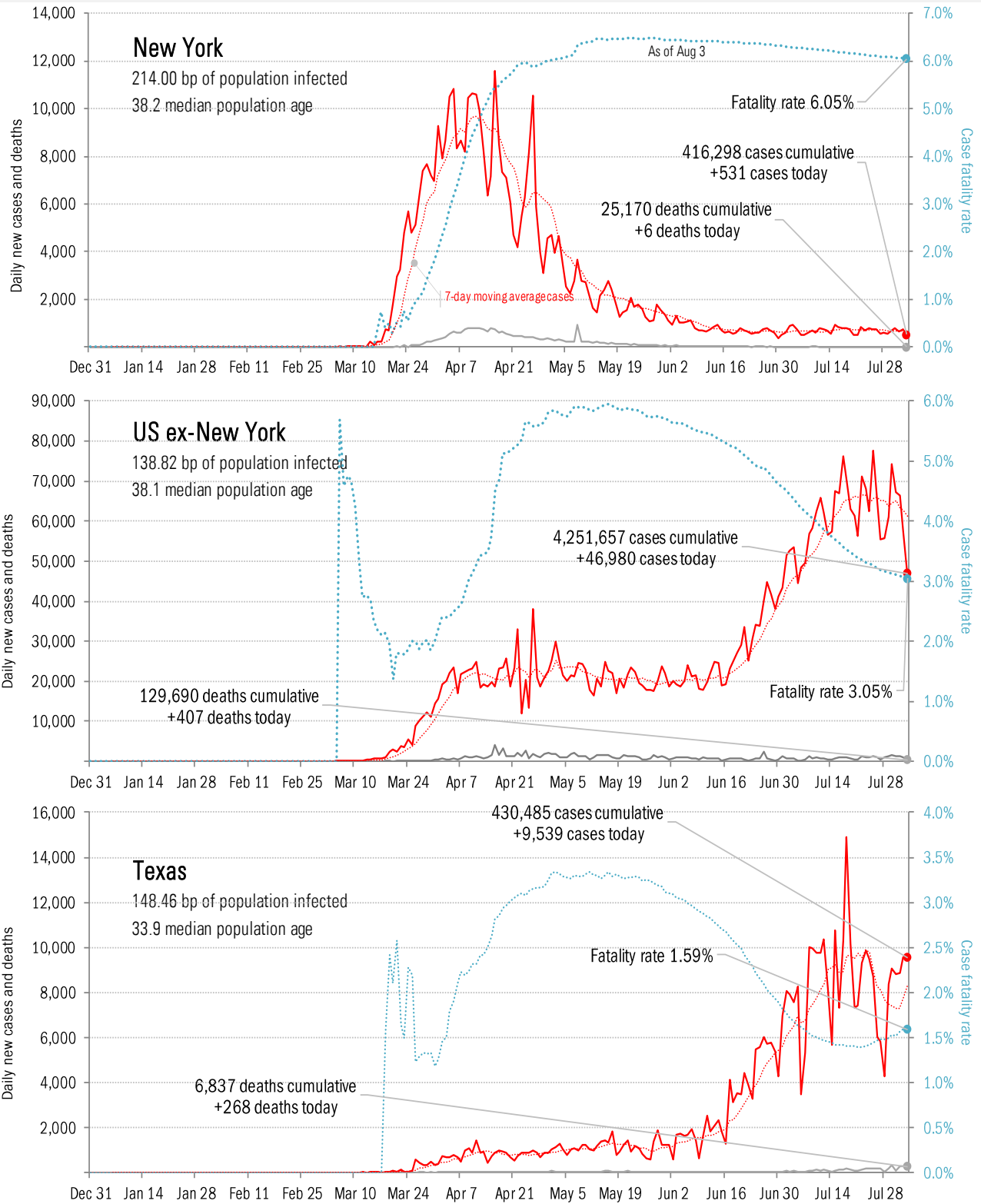


Healthcare system stress, peak estimated at each model revision



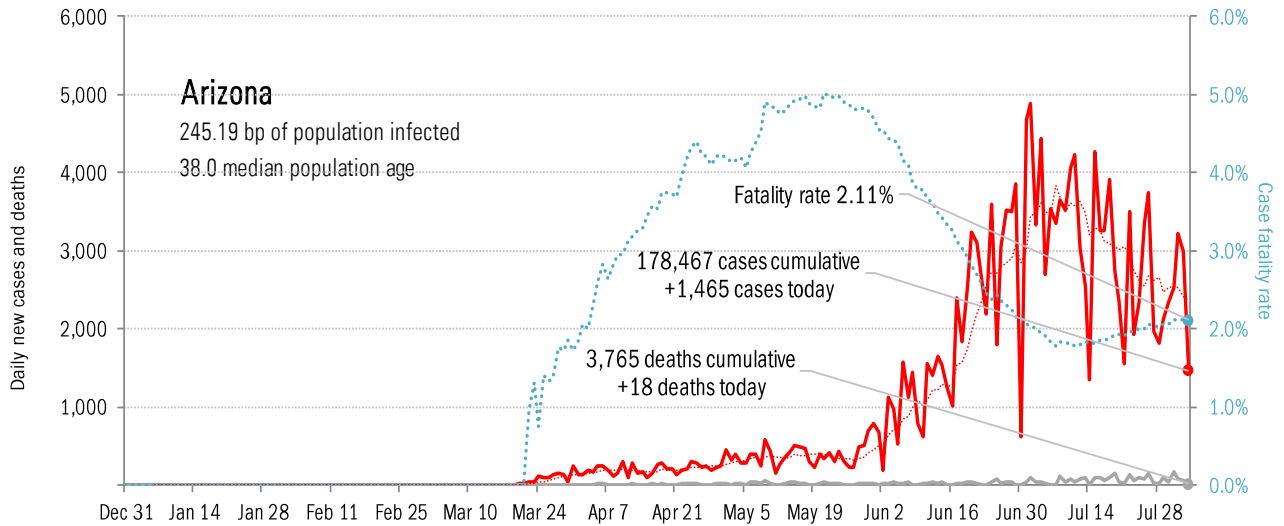
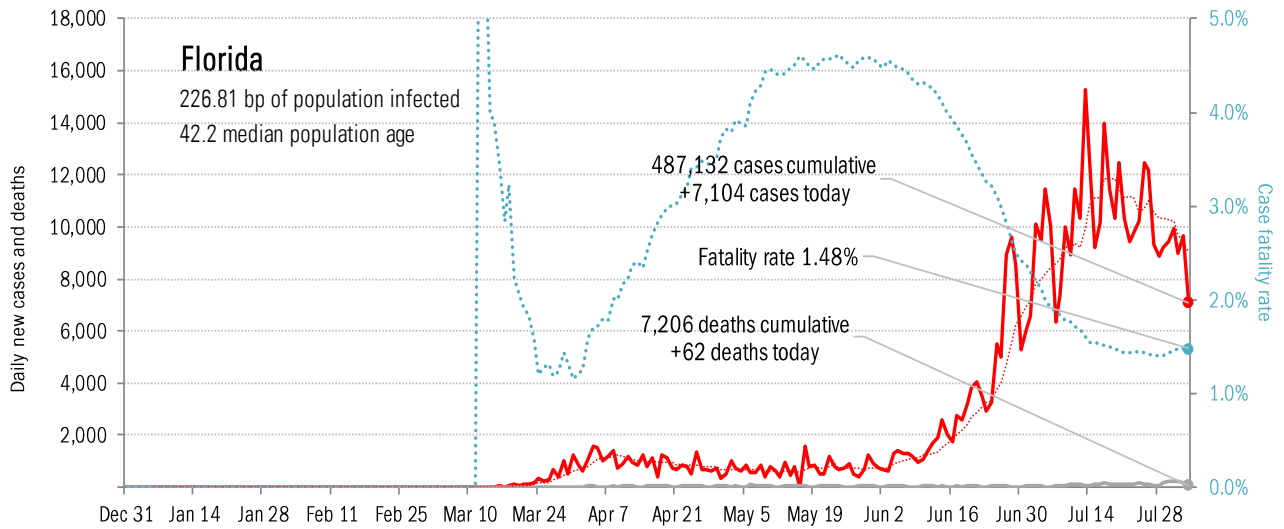
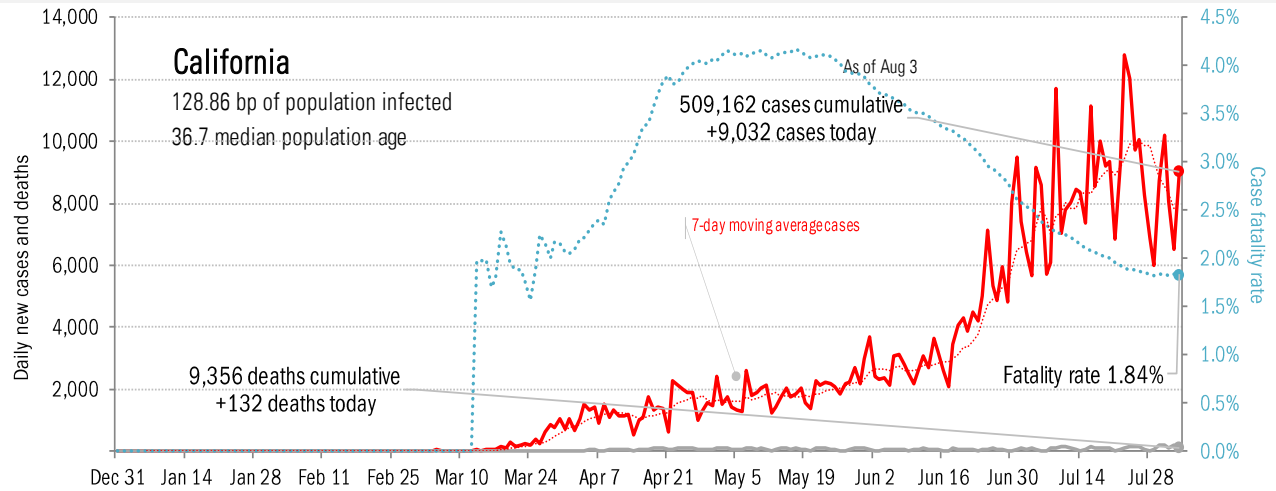
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



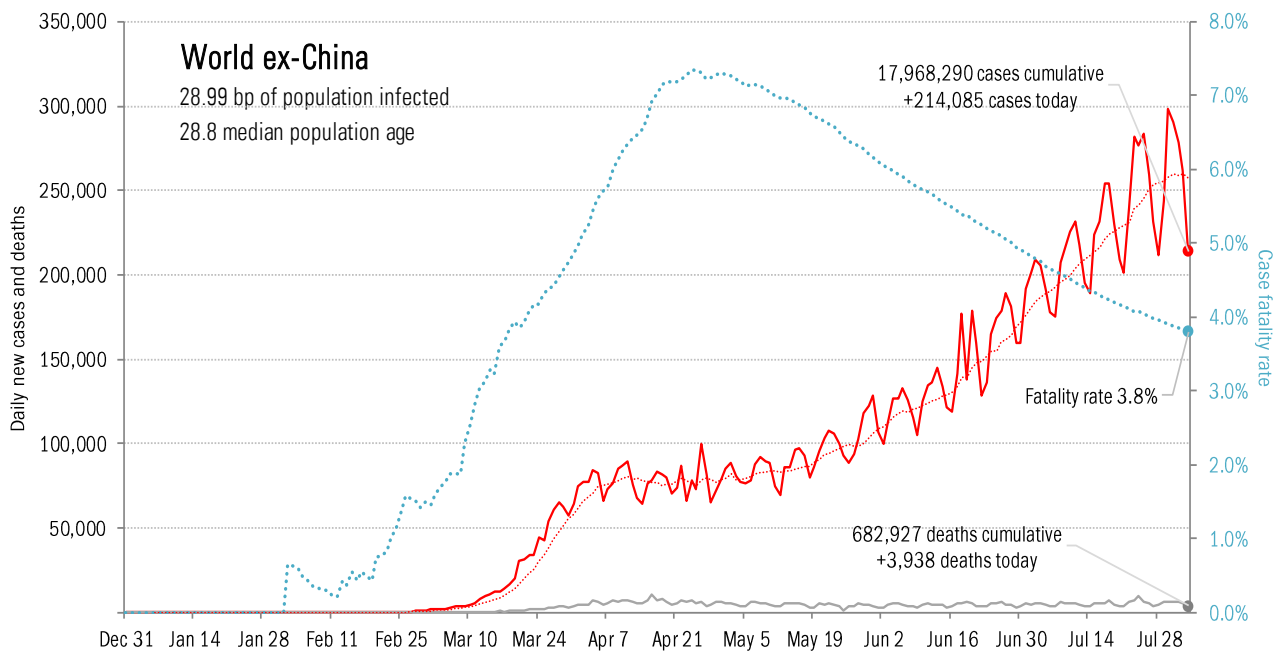
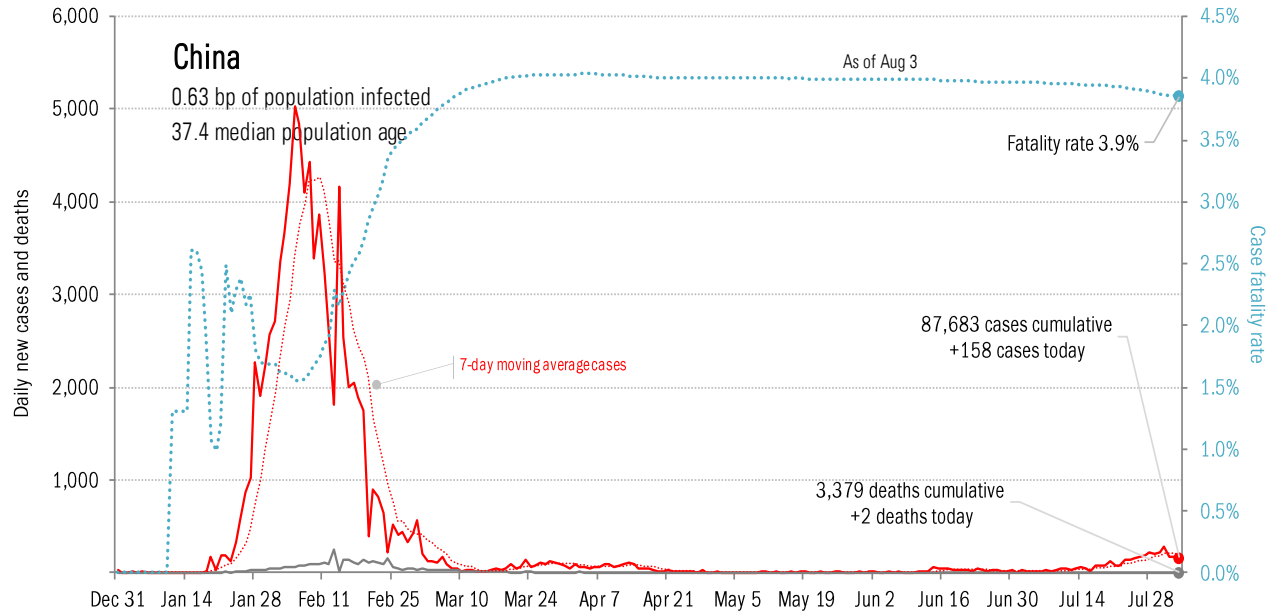
Source: [ECDC](#), TrendMacro calculations

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



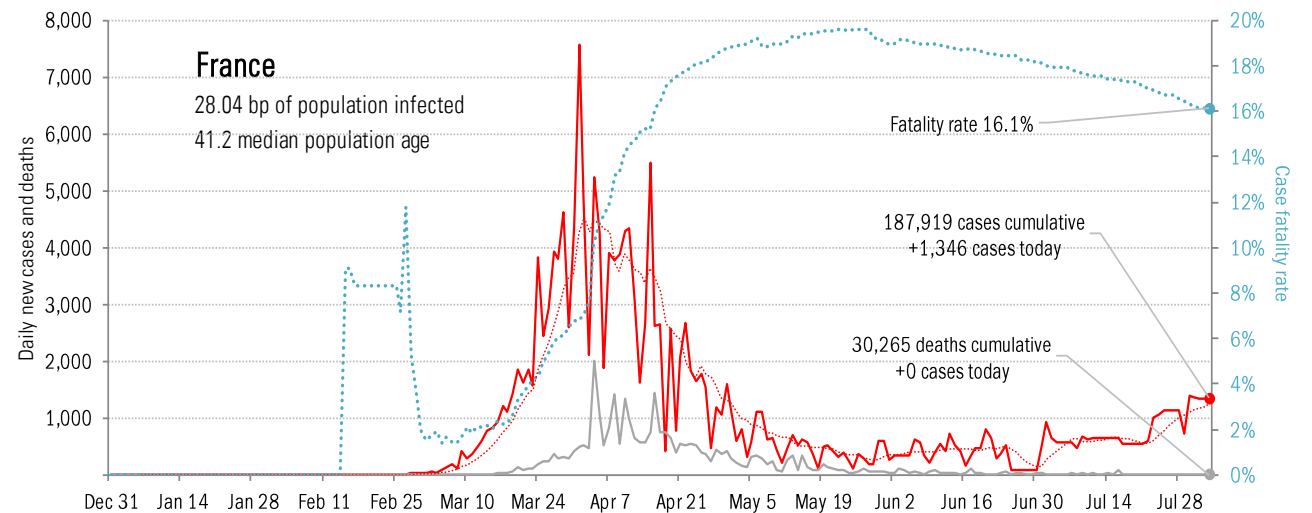
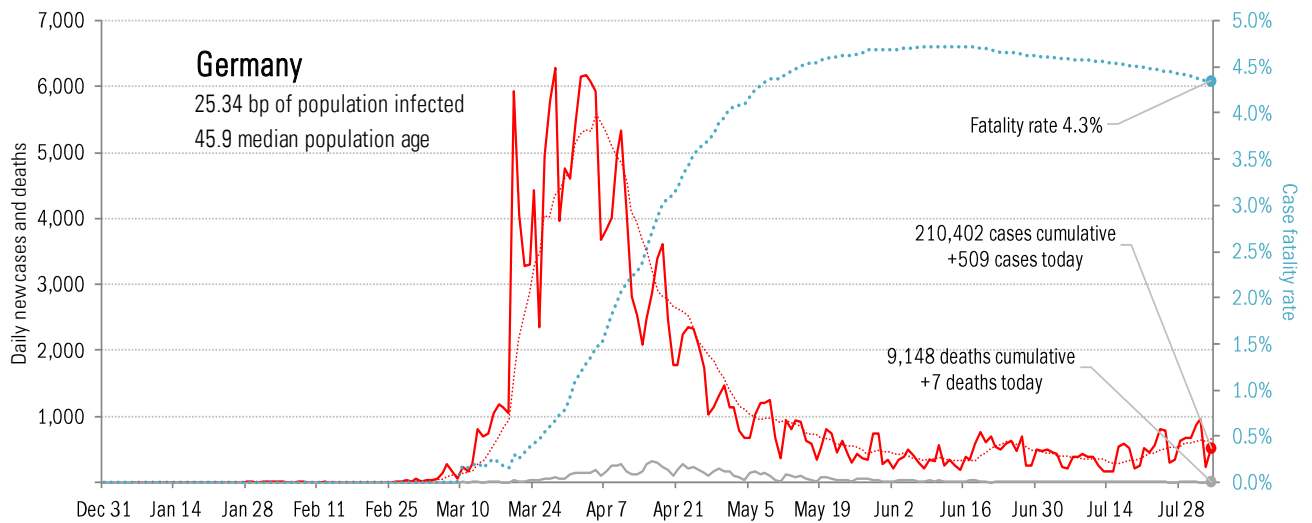
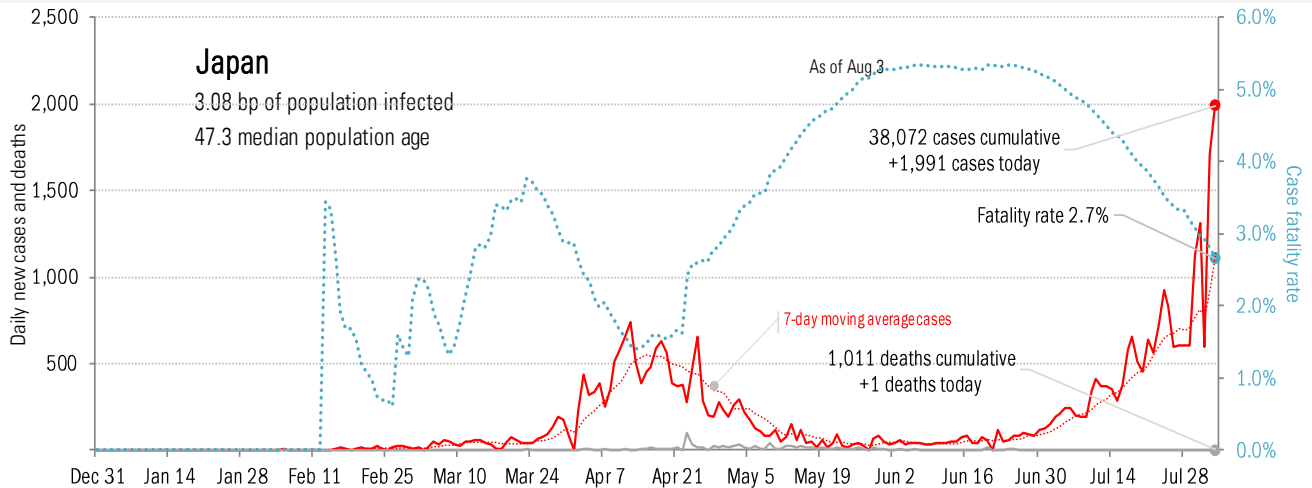
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



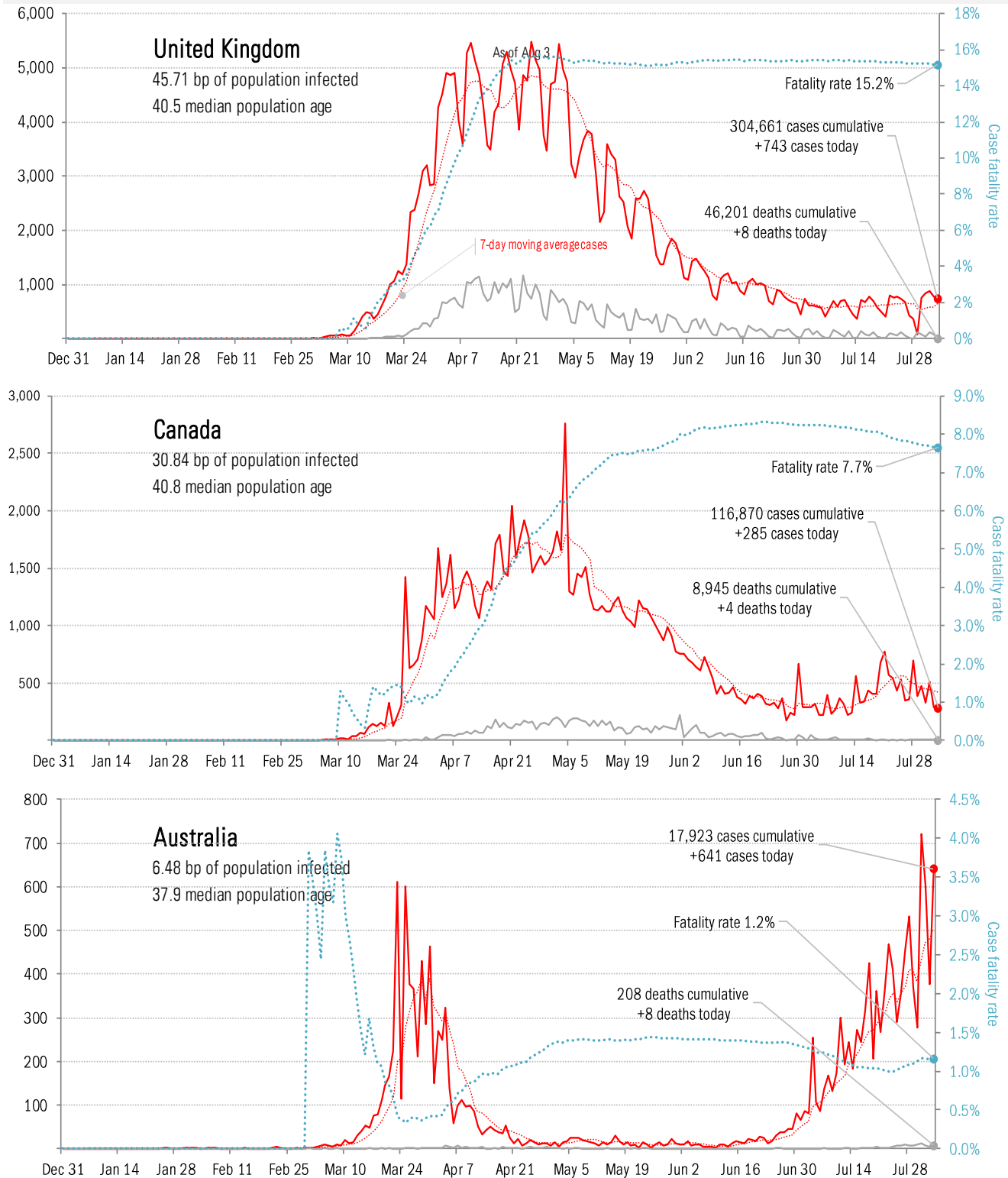
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



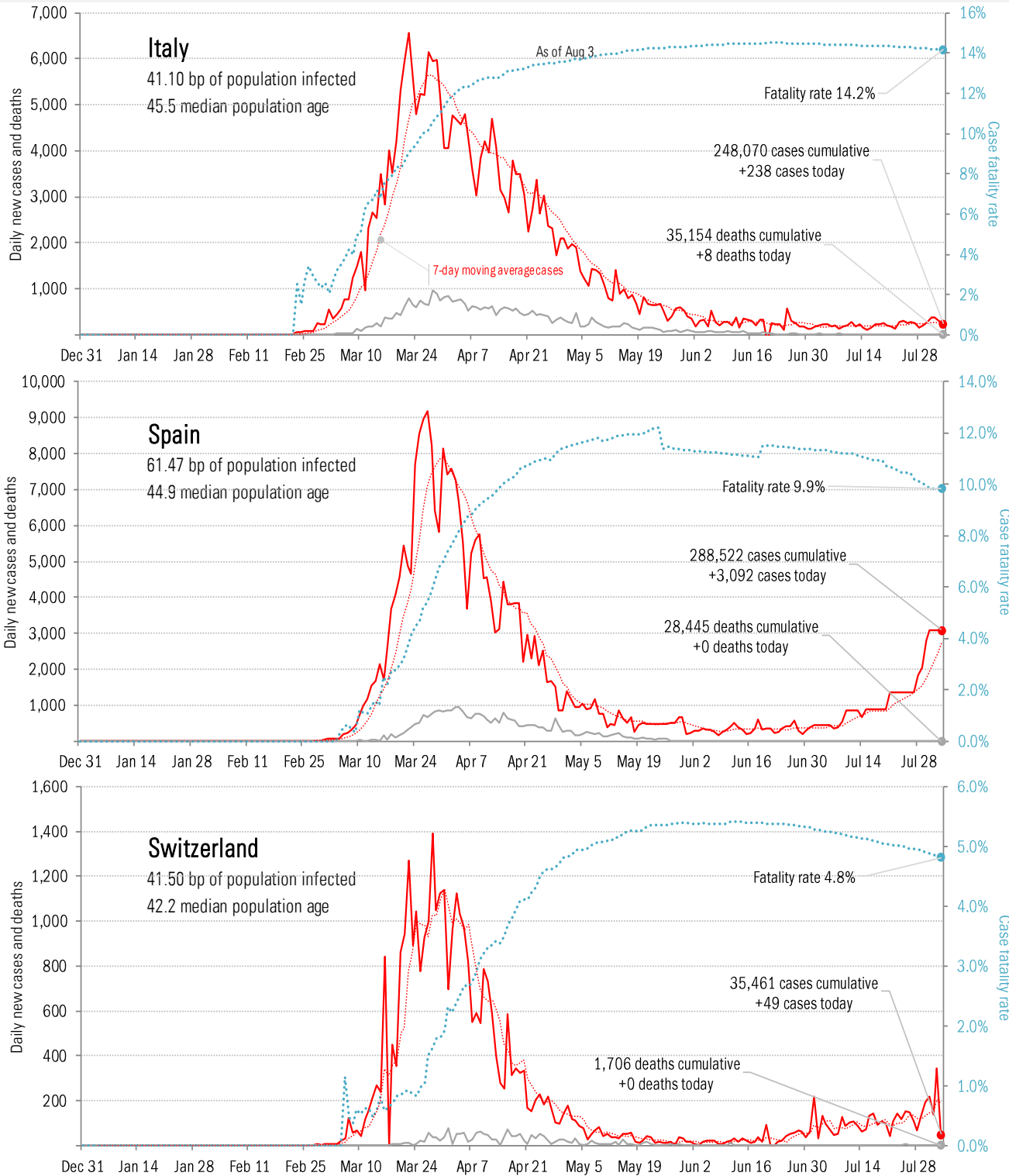
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



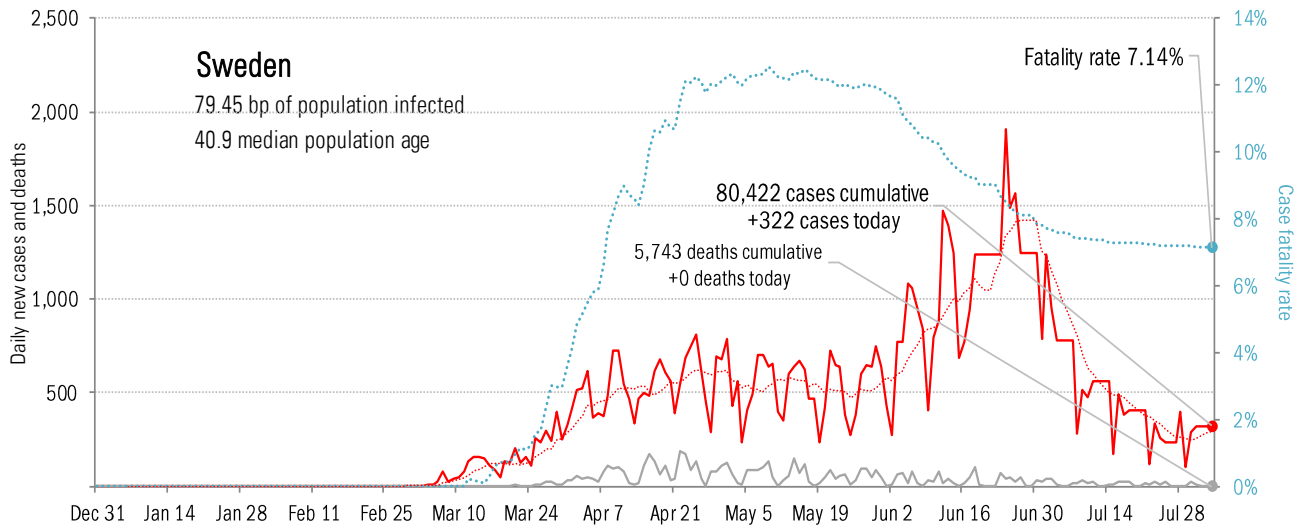
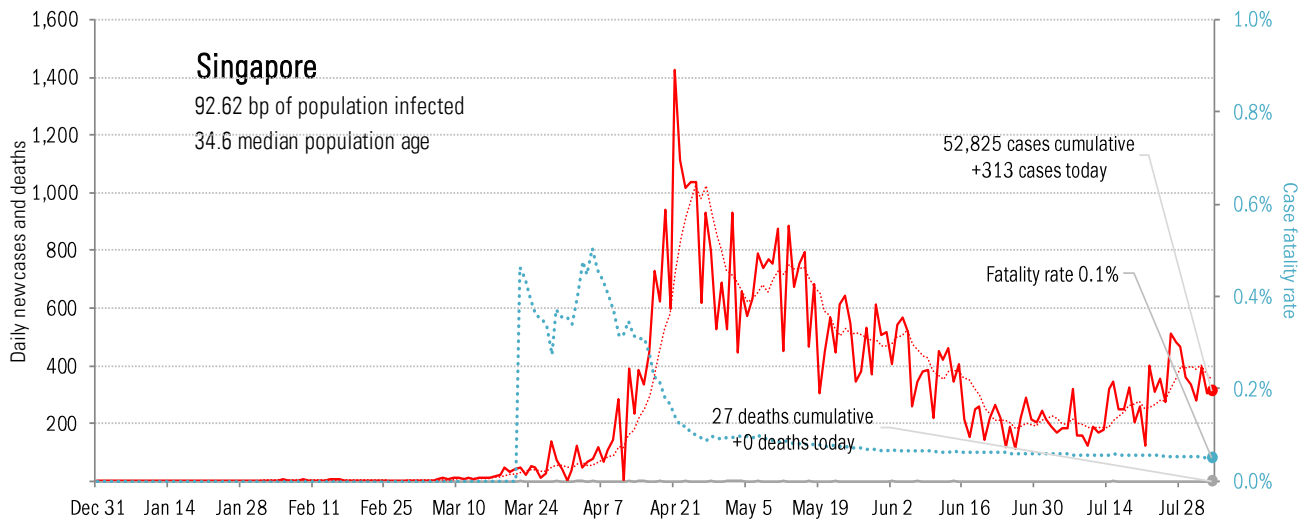
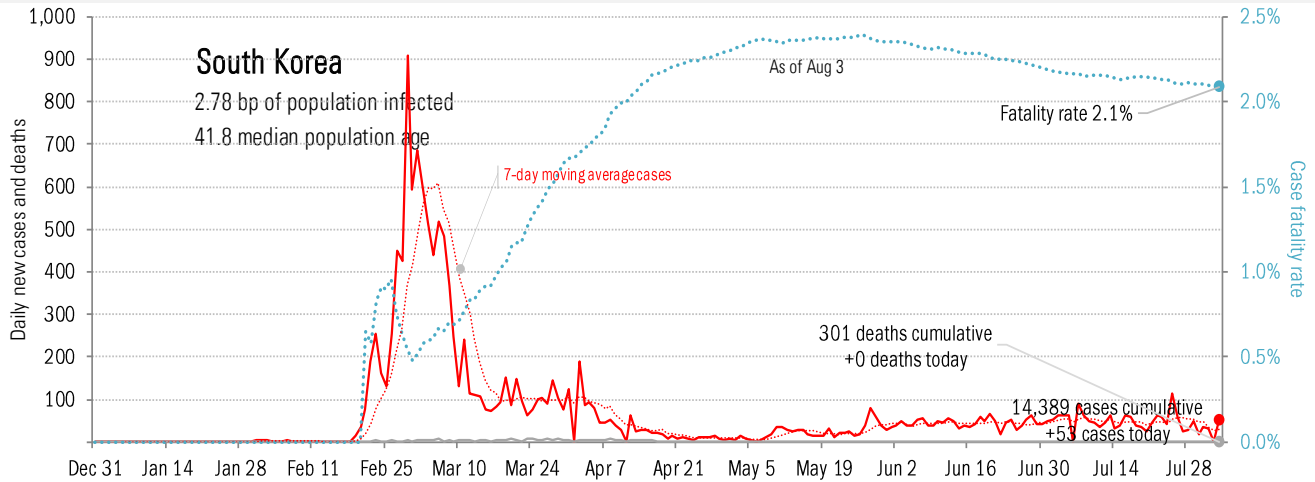
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



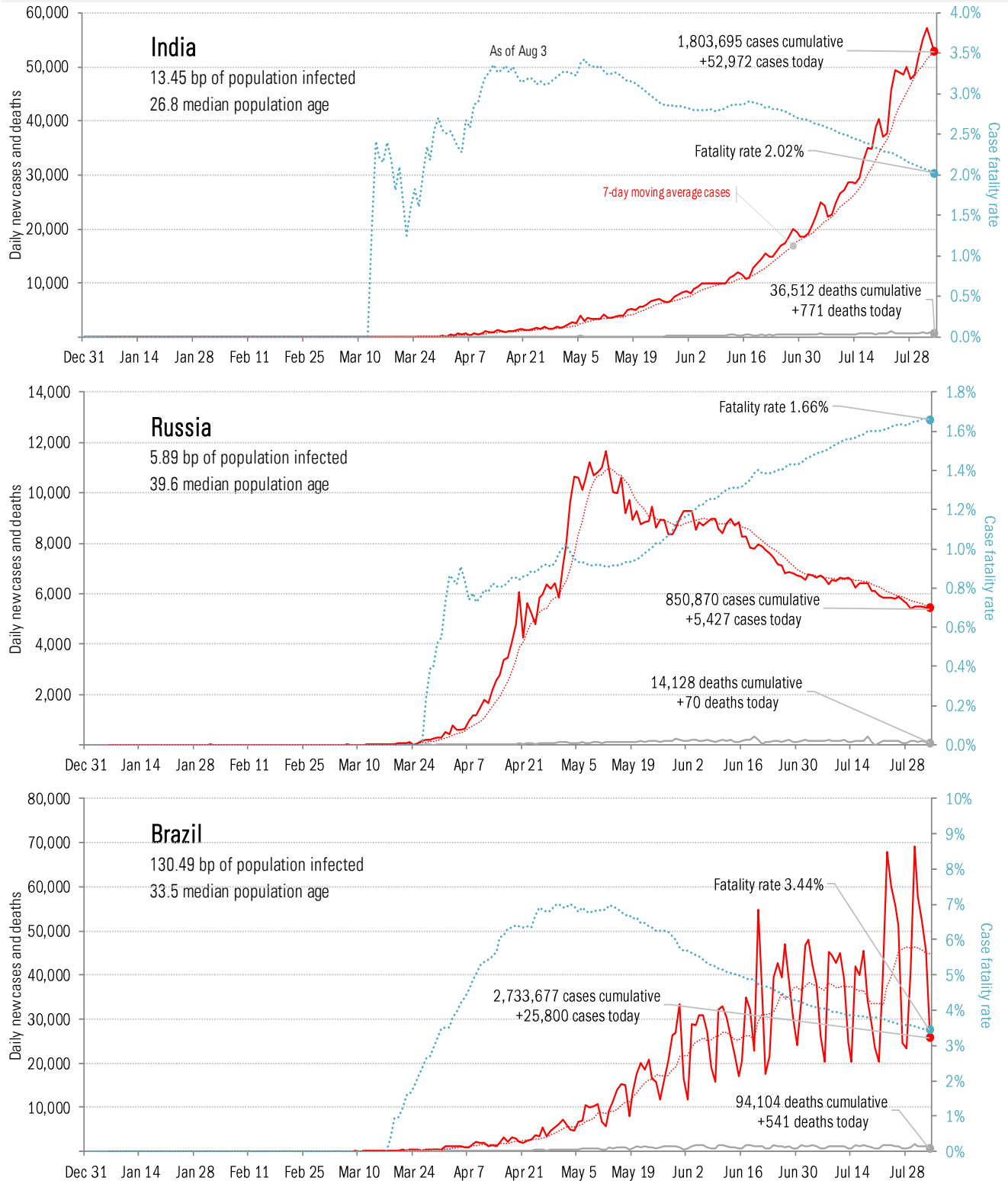
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



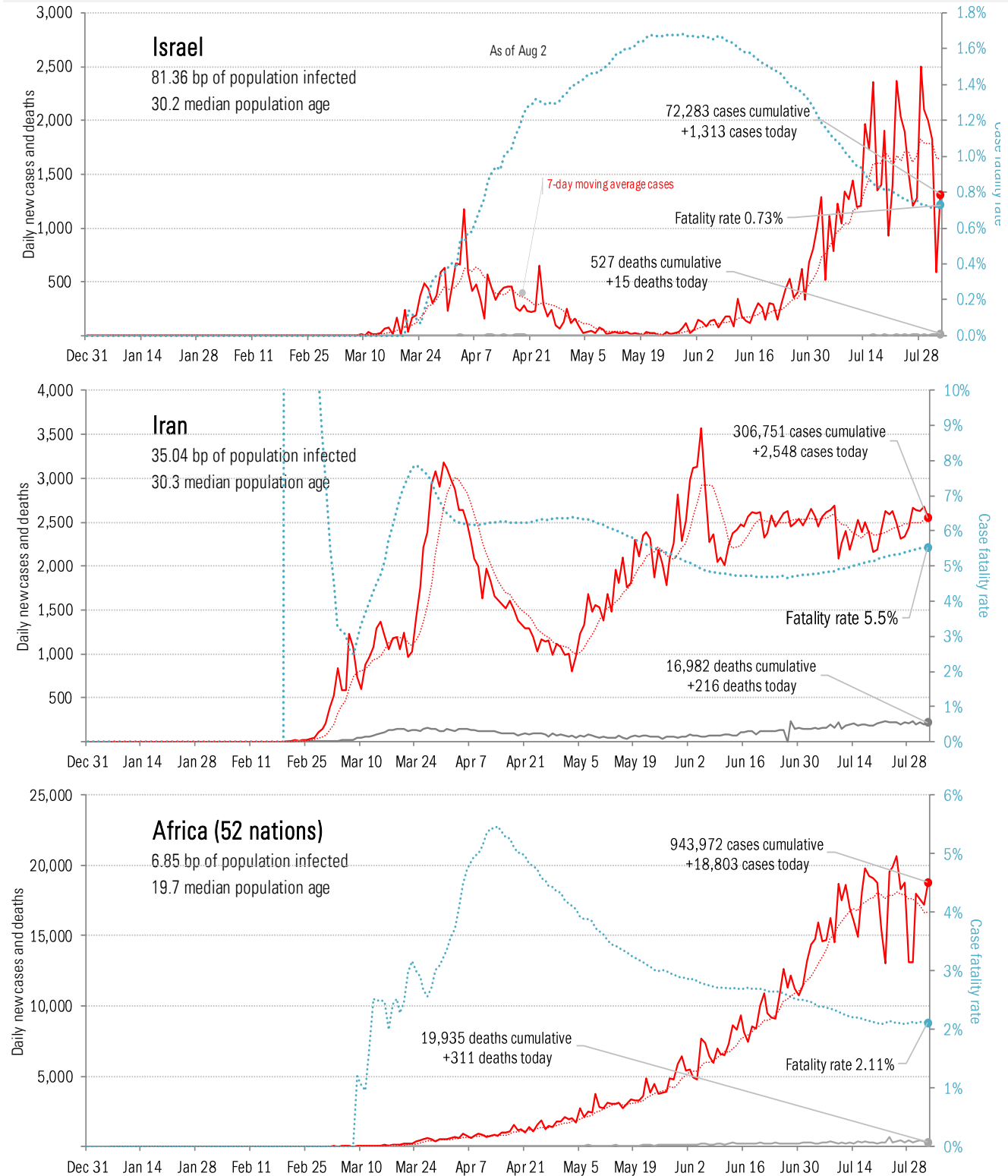
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations