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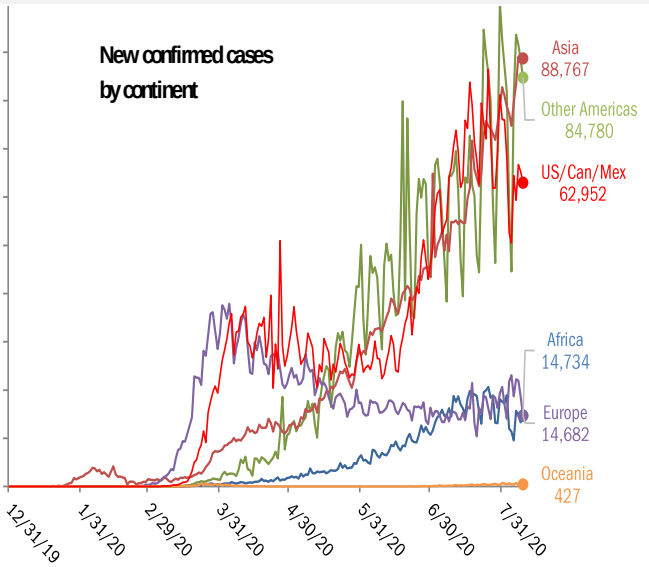
Data Insights: Covid-2019 Monitor

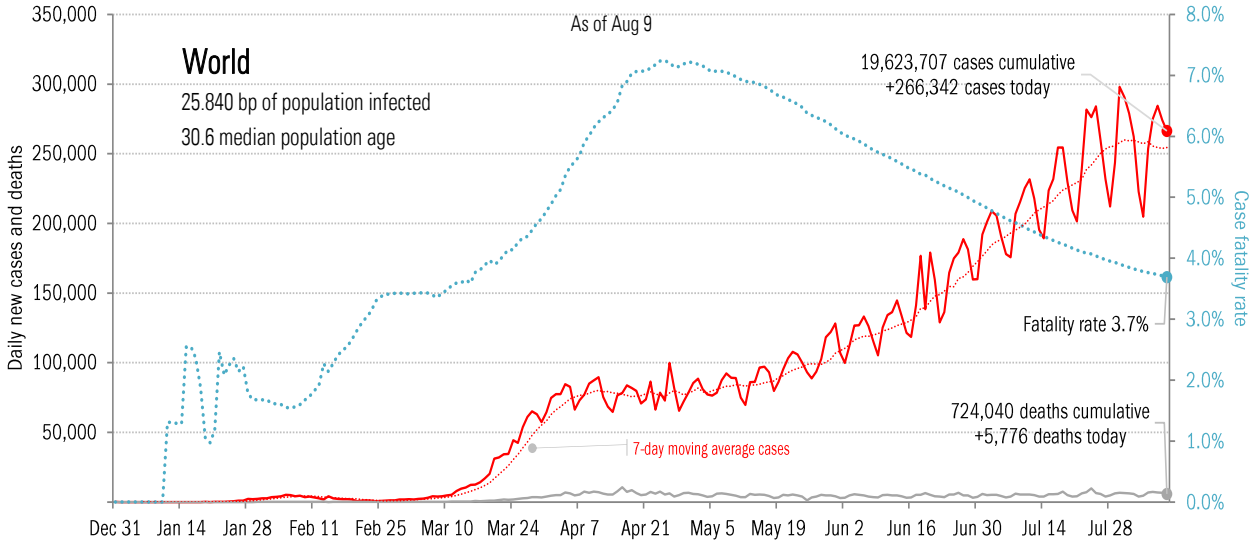
Sunday, August 9, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+64,399	US	+1,069
US	+56,221	Brazil	+905
Brazil	+49,970	India	+861
Colombia	+9,674	Mexico	+695
South_Africa	+7,712	South_Africa	+301
Argentina	+7,482	Colombia	+290
Peru	+7,137	Peru	+195
Mexico	+6,495	Bolivia	+163
Russia	+5,212	Argentina	+159
Philippines	+4,131	Iran	+132
	+218,433		+4,770
World	+266,342	World	+5,776
Top ten	82%	Top ten	83%





Source: ECDC, TrendMacro calculations

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The US scorecard

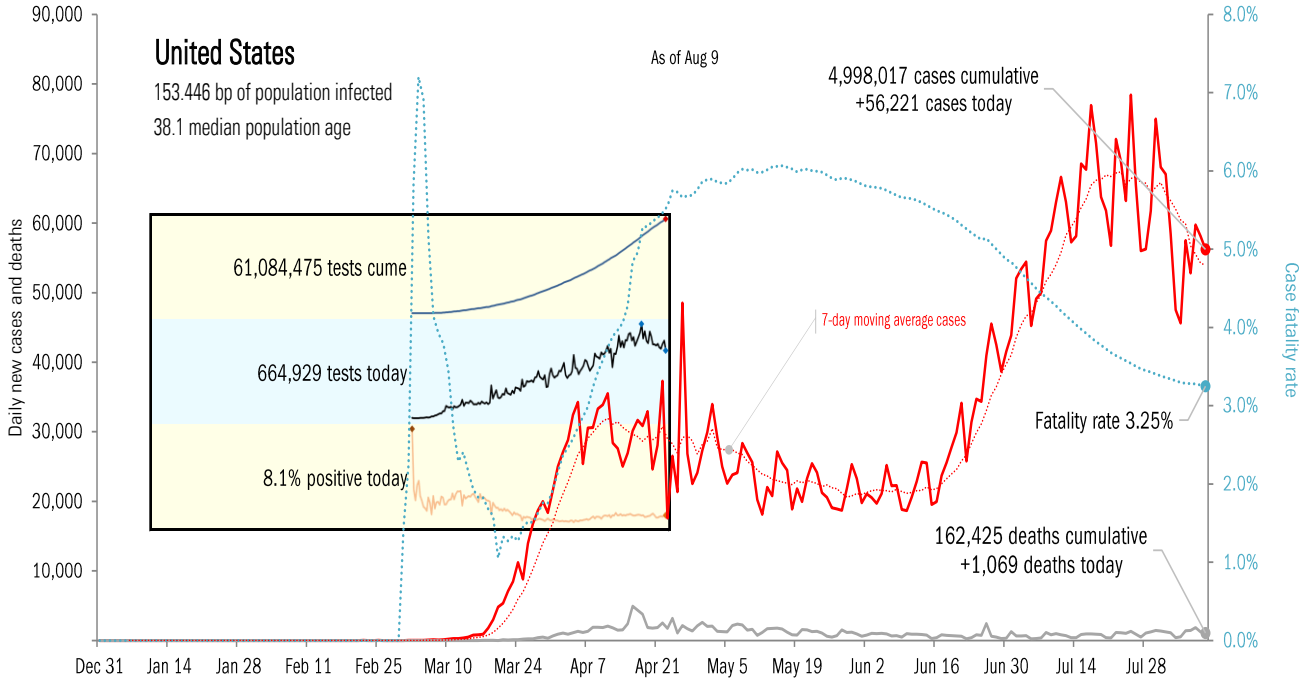
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
FL	+8,502	TX	+247	FL	+525	CA	545,787	NY	25,195	NY	89,995
CA	+7,371	FL	+187	GA	+274	FL	526,577	NJ	15,869	FL	30,639
TX	+6,959	CA	+178	TN	+72	TX	481,483	CA	10,189	NJ	21,949
GA	+4,423	GA	+69	OH	+69	NY	420,345	MA	8,721	GA	20,556
IL	+2,190	AZ	+56	MD	+58	GA	213,427	TX	8,343	AZ	19,244
NC	+1,954	SC	+45	AR	+55	IL	193,998	FL	8,238	VA	14,101
TN	+1,803	NV	+29	WI	+50	AZ	186,107	IL	7,840	MD	13,105
VA	+1,307	MS	+26	MN	+48	NJ	184,429	PA	7,313	MA	12,044
OH	+1,294	NC	+26	OK	+39	NC	134,766	MI	6,520	AL	11,537
SC	+1,241	WA	+19	MS	+29	LA	128,746	CT	4,441	OH	11,516
	+37,044		+882		+1,219		3,015,665		102,669		244,686
All states	+53,923	All states	+1,088	All states	+1,396	All states	4,967,586	All states	153,904	All states	331,820
Top ten	69%	Top ten	81%	Top ten	87%	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	
AL	-1,623	LA	-61	AZ	-5,170	TX	+6,675
LA	-1,500	TX	-46	NJ	-384	MI	+3,614
CA	-1,065	AZ	-23	SC	-354	OH	+1,454
AR	-1,011	GA	-22	AL	-224	WI	+1,039
MO	-996	MI	-22	VA	-109	TN	+983



Source: States and test data Covid Tracking Project, US data ECDC, TrendMacro calculations

Recommended reading

[Memorandum on Deferring Payroll Tax Obligations in Light of the Ongoing COVID-19 Disaster]
The White House
August 8, 2020

[Memorandum on Continued Student Loan Payment Relief During the COVID-19 Pandemic]
The White House
August 8, 2020

[Memorandum on Authorizing the Other Needs Assistance Program for Major Disaster Declarations Related to Coronavirus Disease 2019]
The White House
August 8, 2020

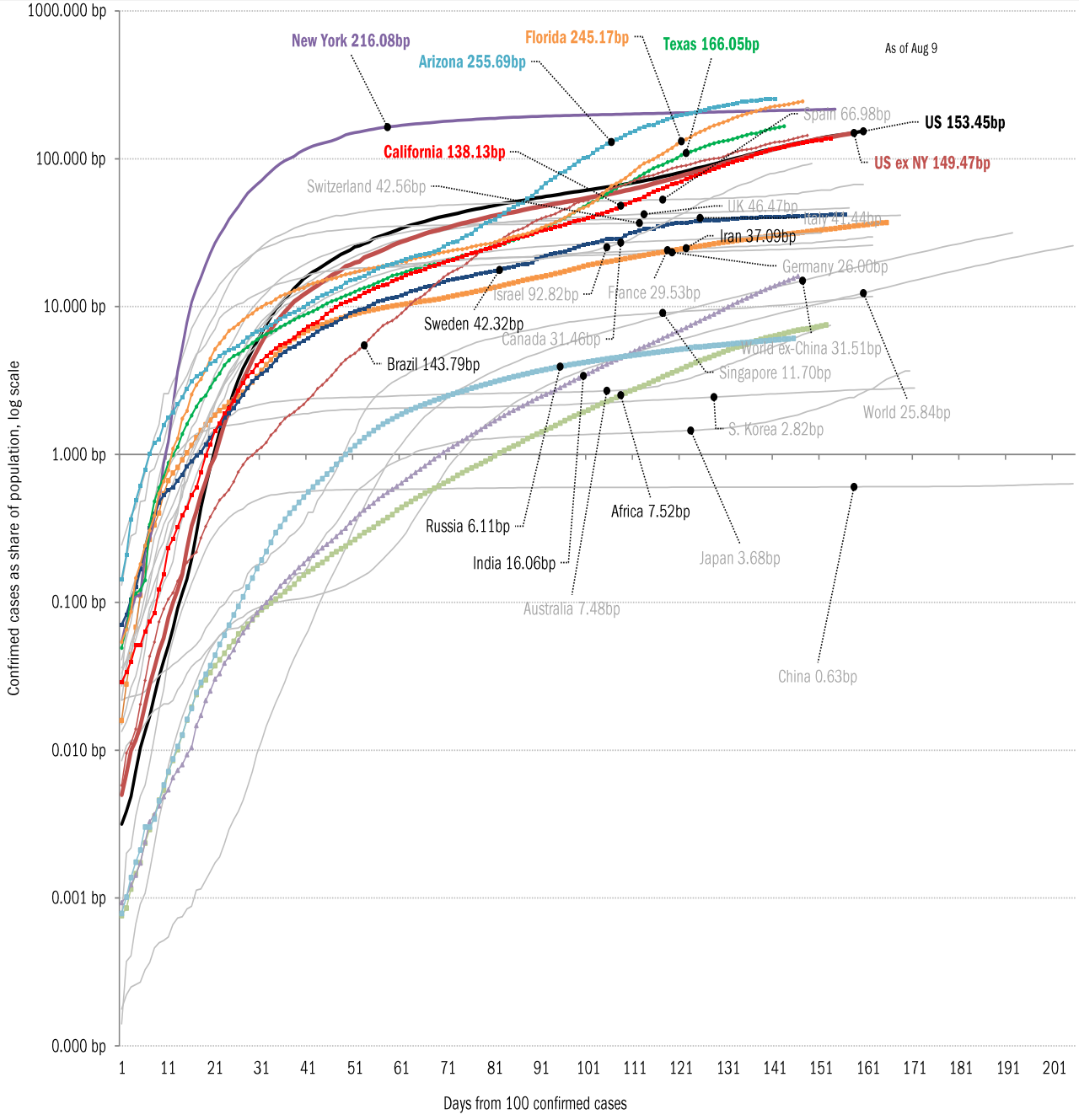
[Executive Order on Fighting the Spread of COVID-19 by Providing Assistance to Renters and Homeowners]
The White House
August 8, 2020

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

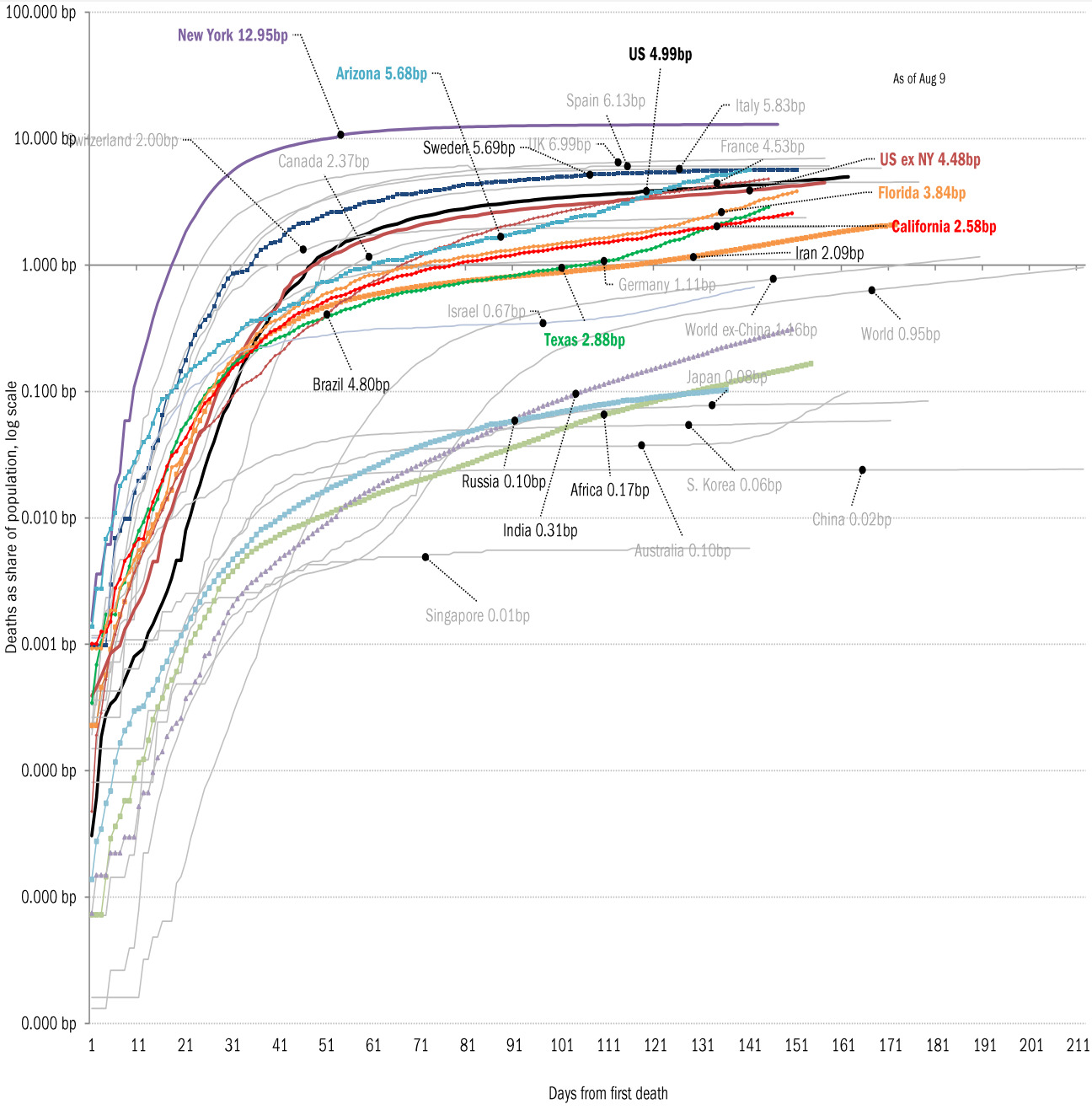
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

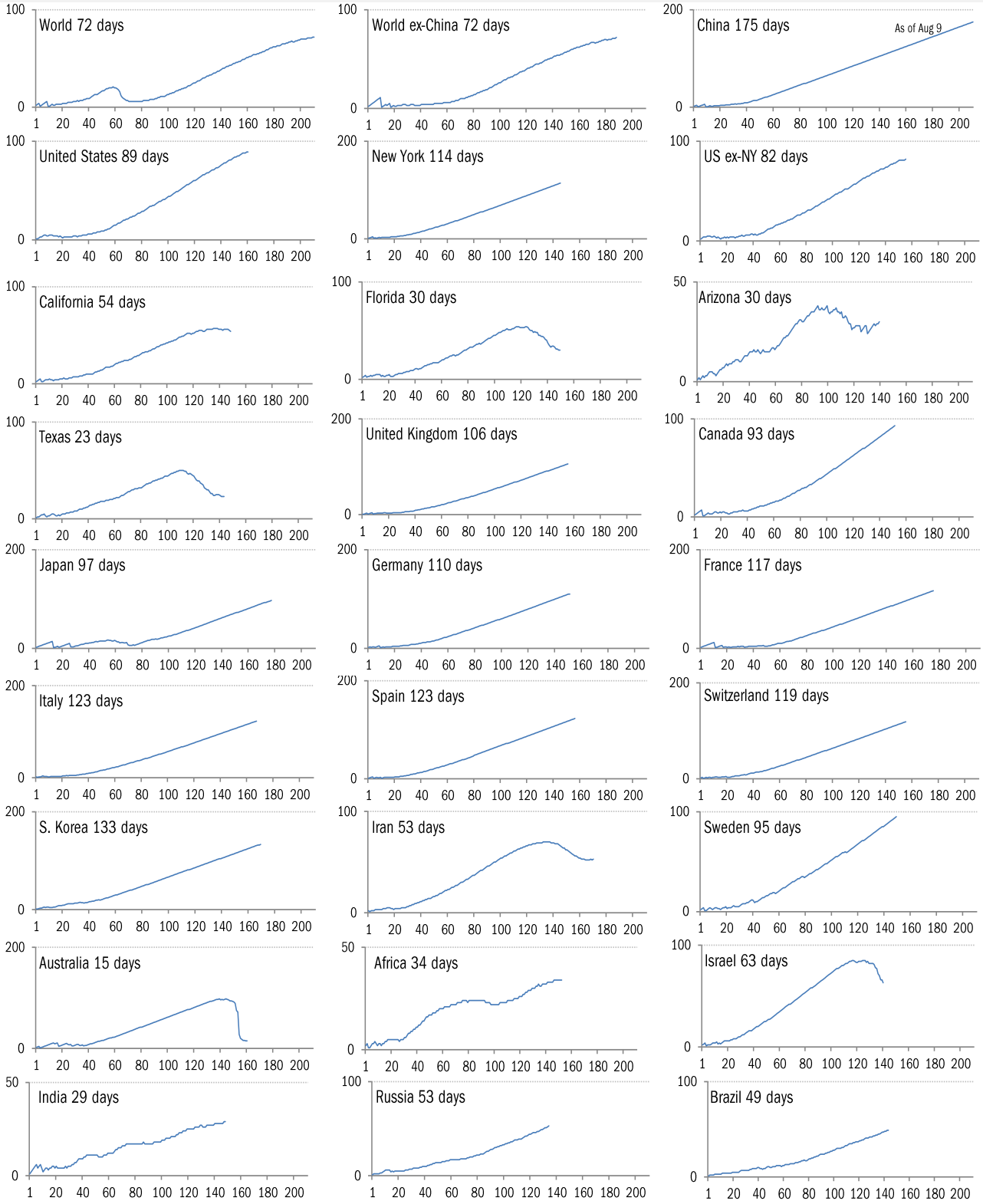
Share of deceased population from day of first fatality



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

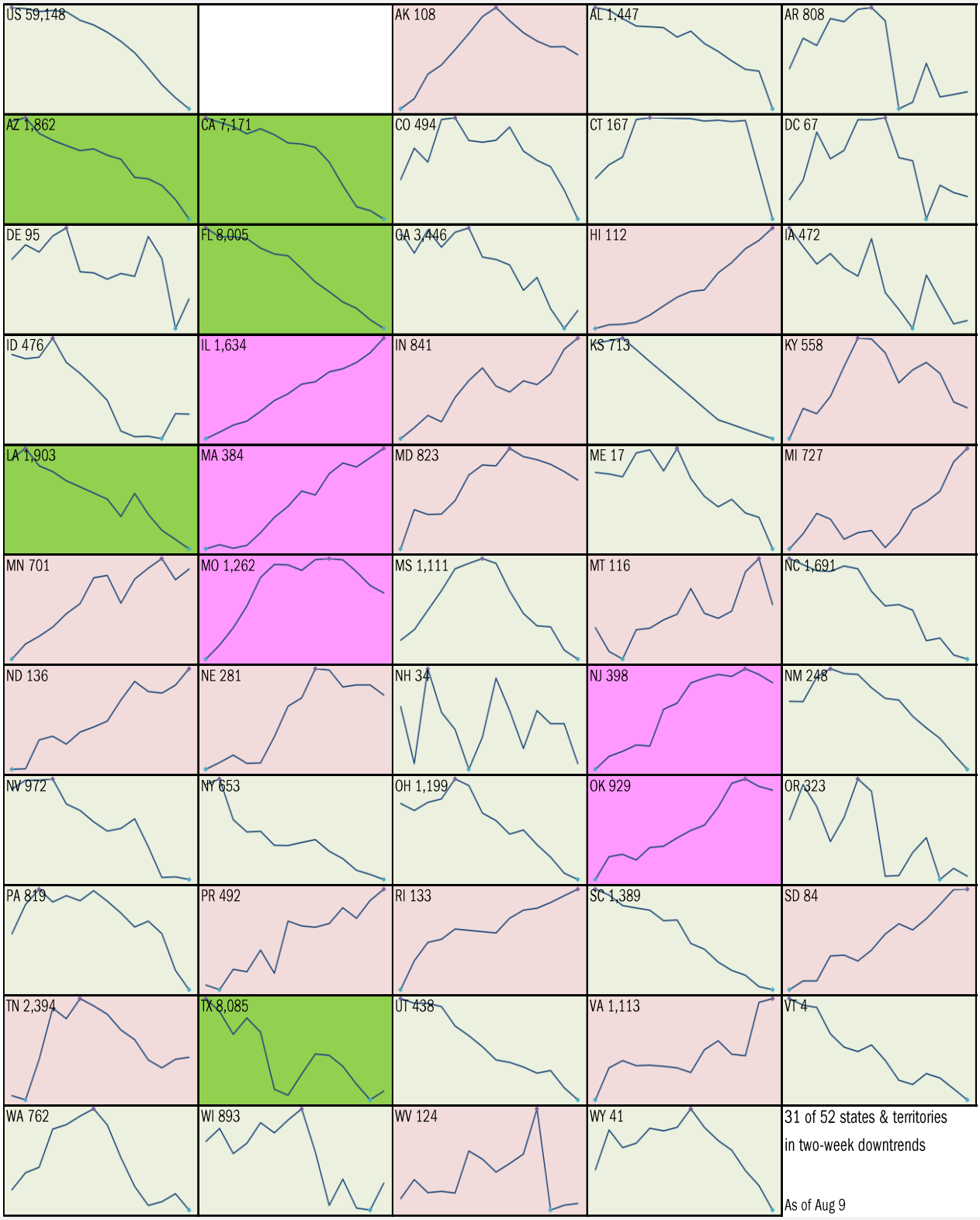


Source: ECDC, TrendMacro calculations

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

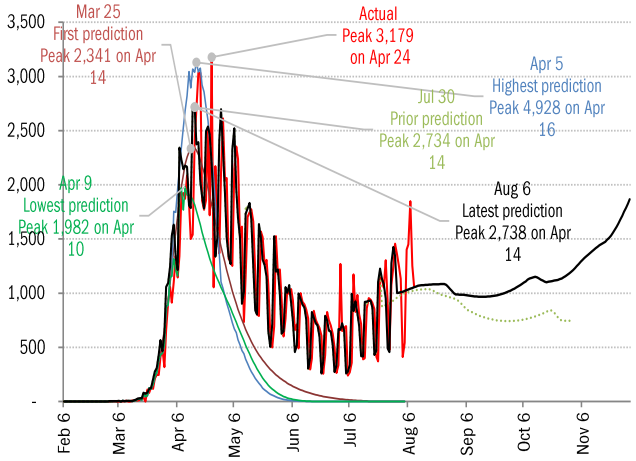
Downward trajectory Five best Upward trajectory Five worst

Source: Covid Tracking Project, TrendMacro calculations

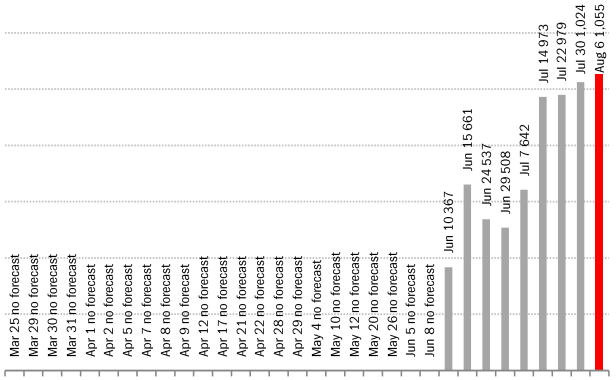
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Aug 9

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

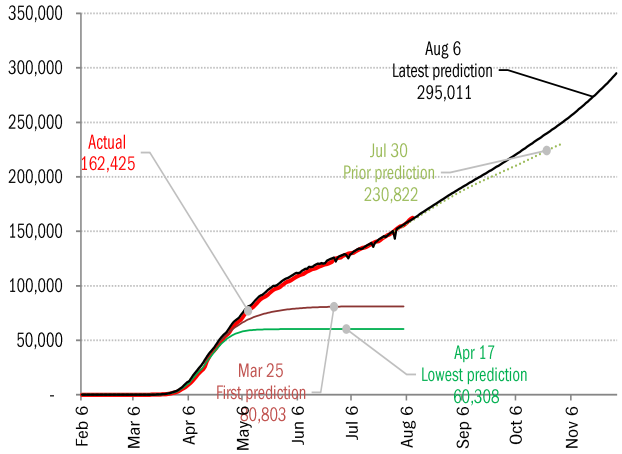


For this day, versus all model mean predictions

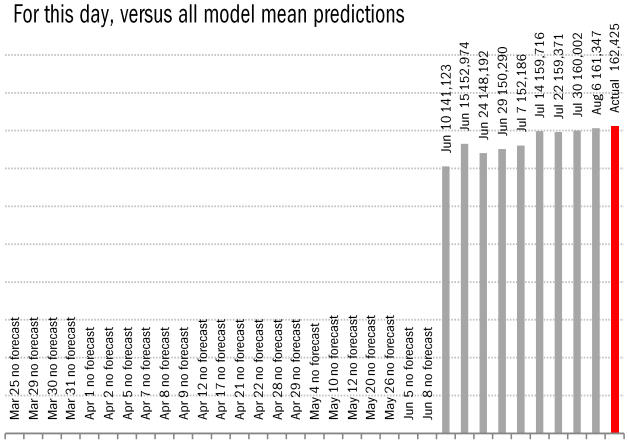


Cumulative fatalities

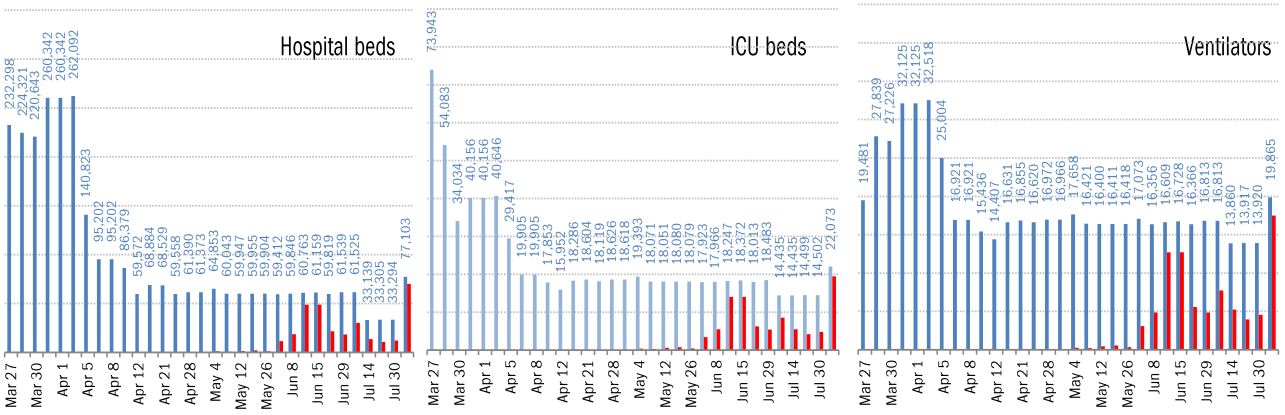
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

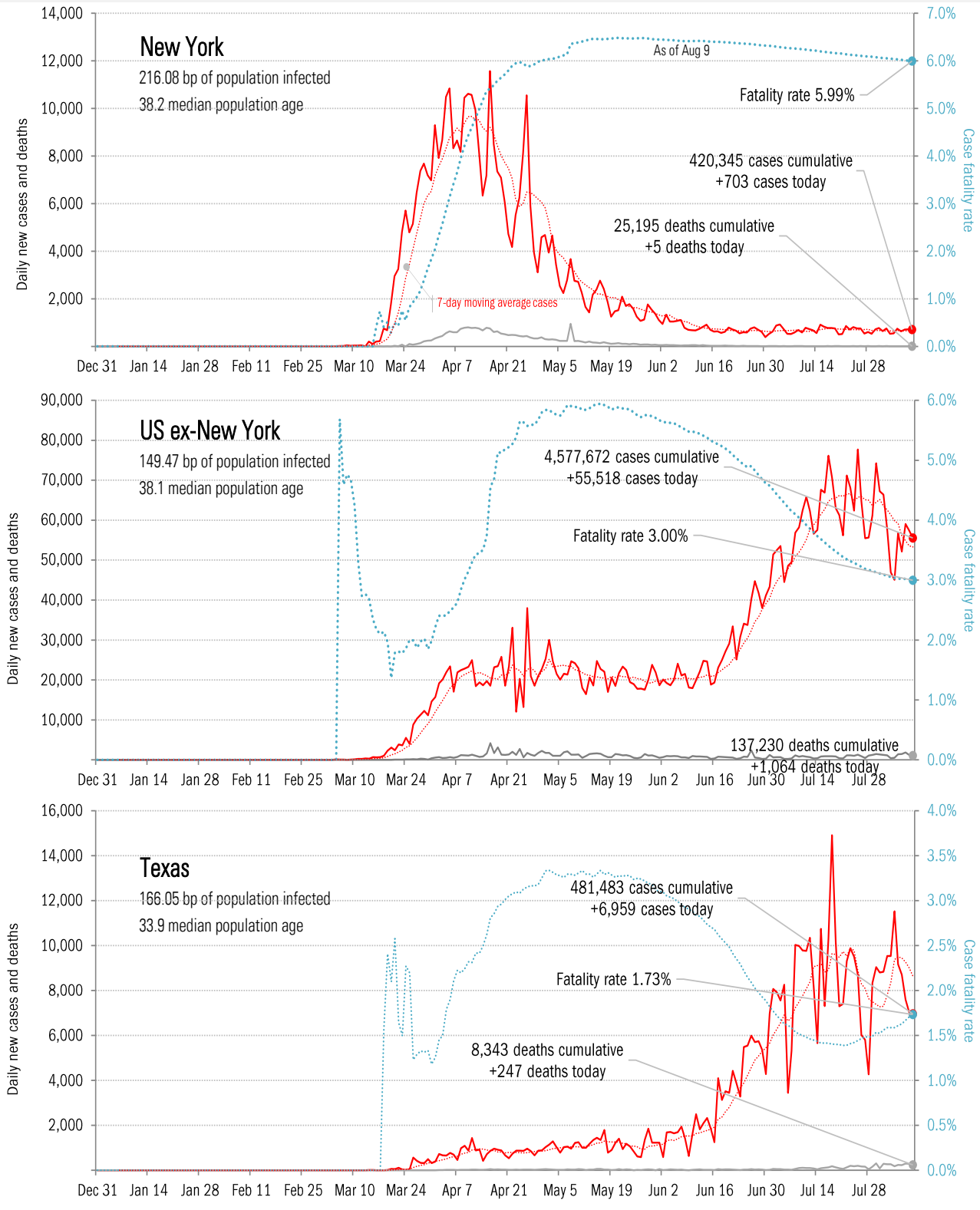


Healthcare system stress, peak and ultimate estimated at each model revision



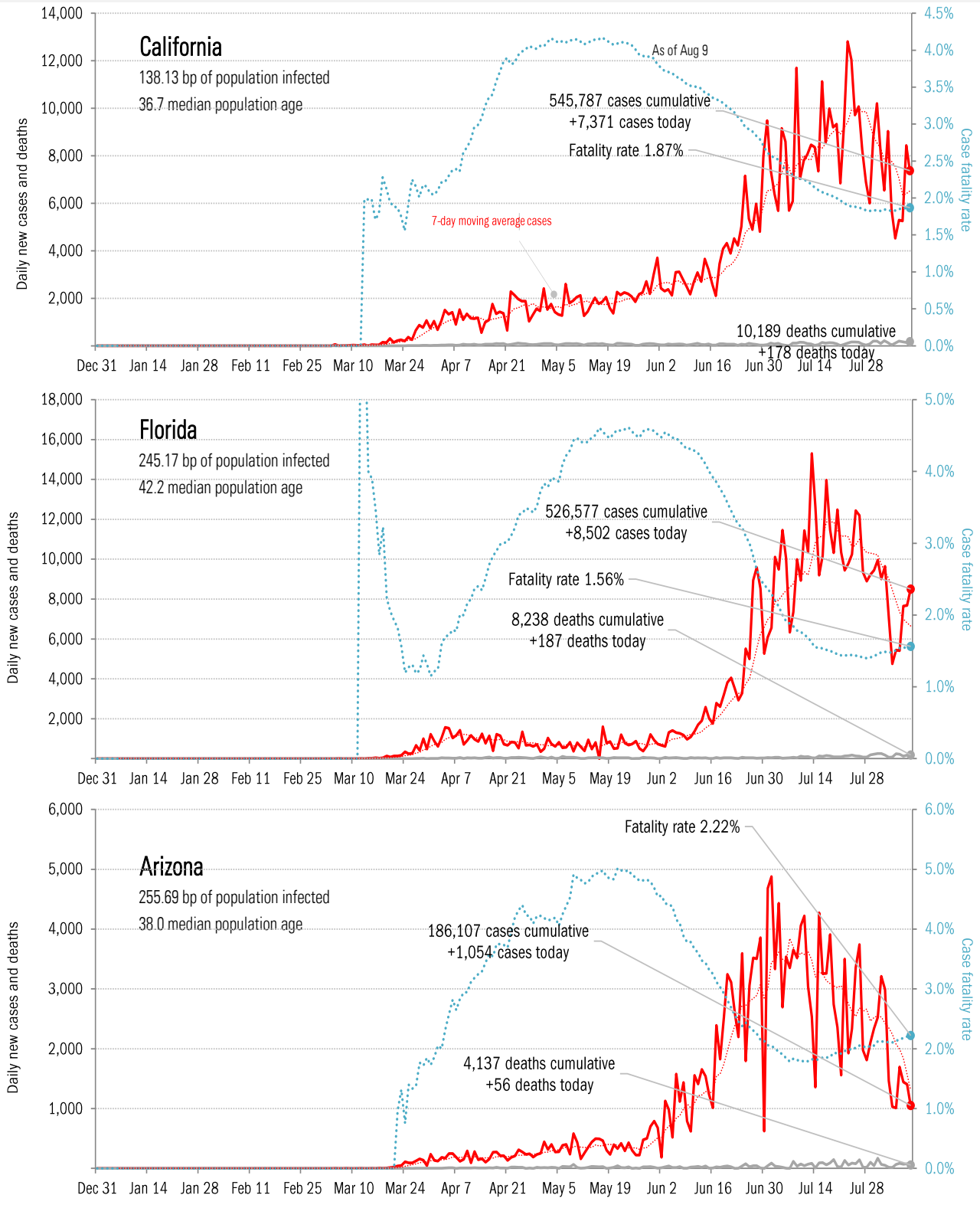
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



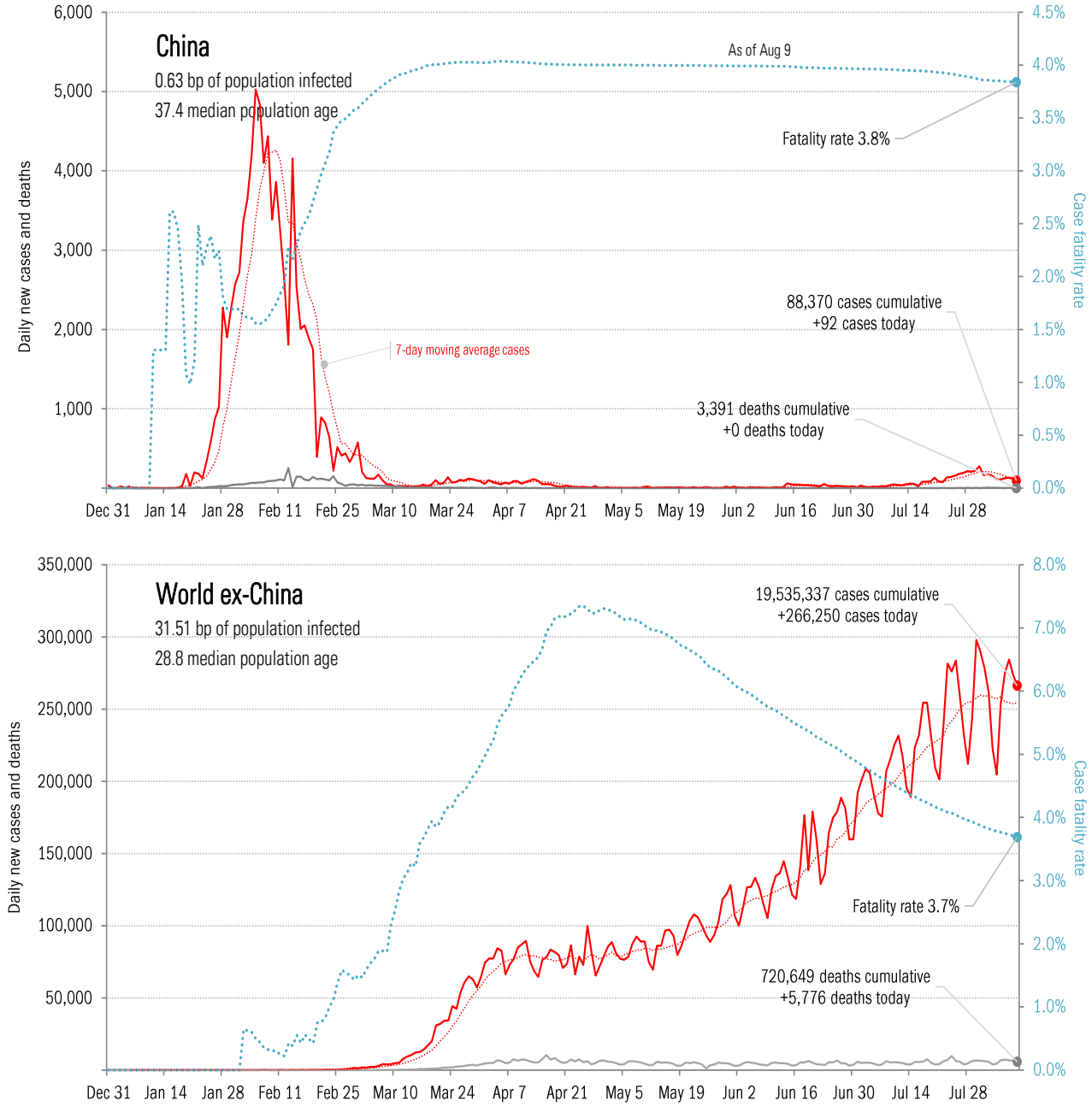
Source: ECDC, TrendMacro calculations

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



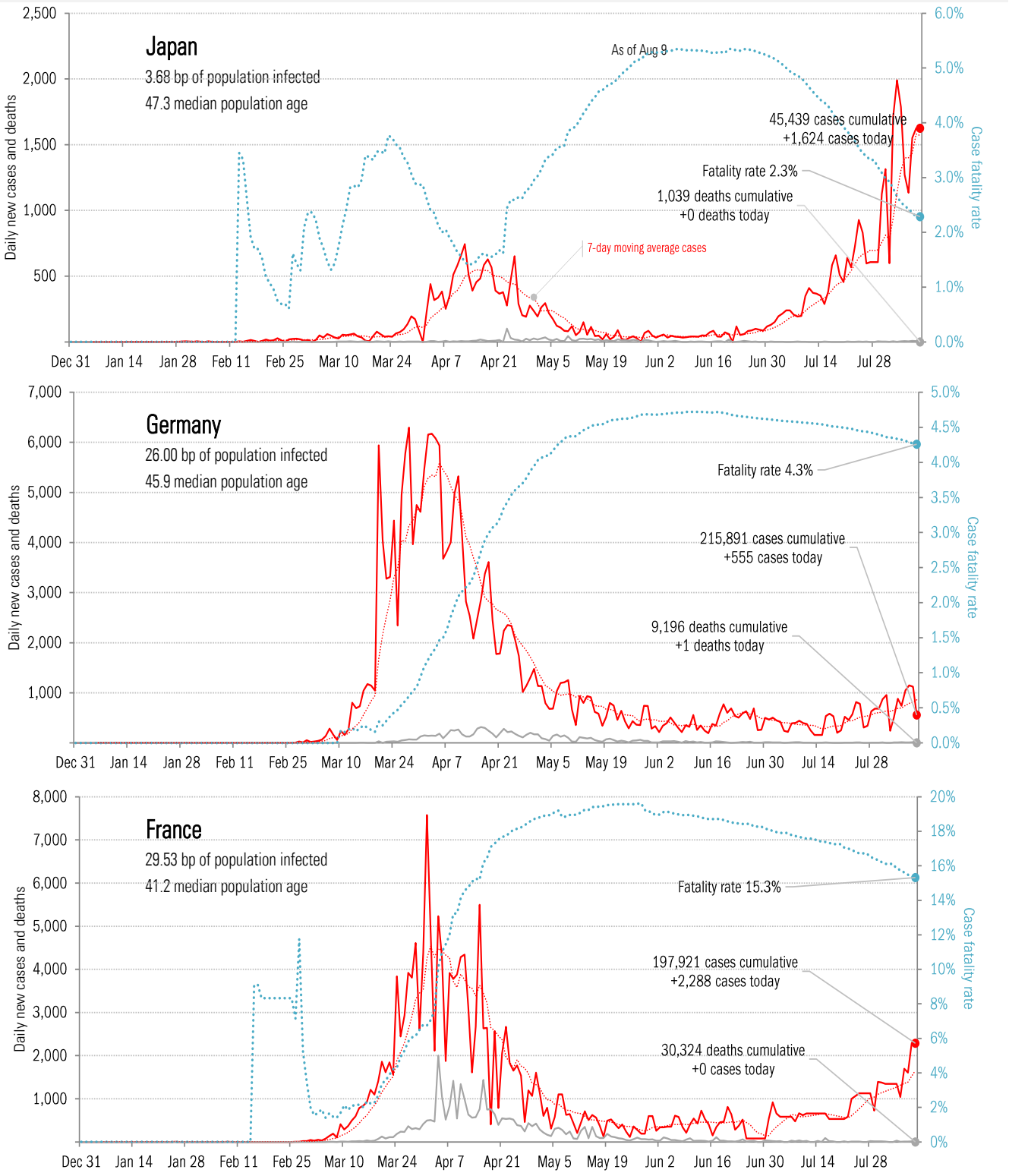
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



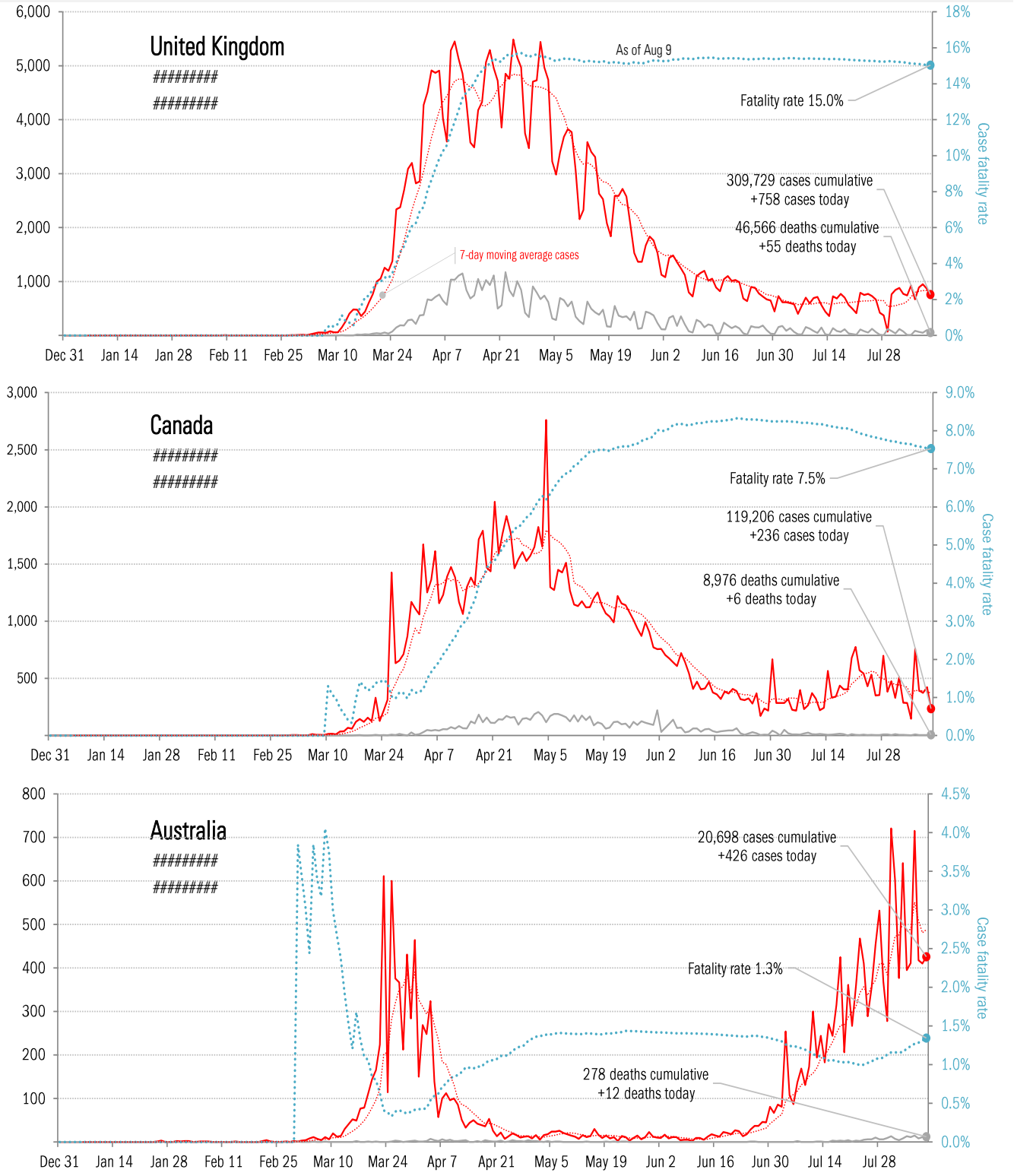
Source: ECDC, TrendMacro calculations

Impact in the largest economies



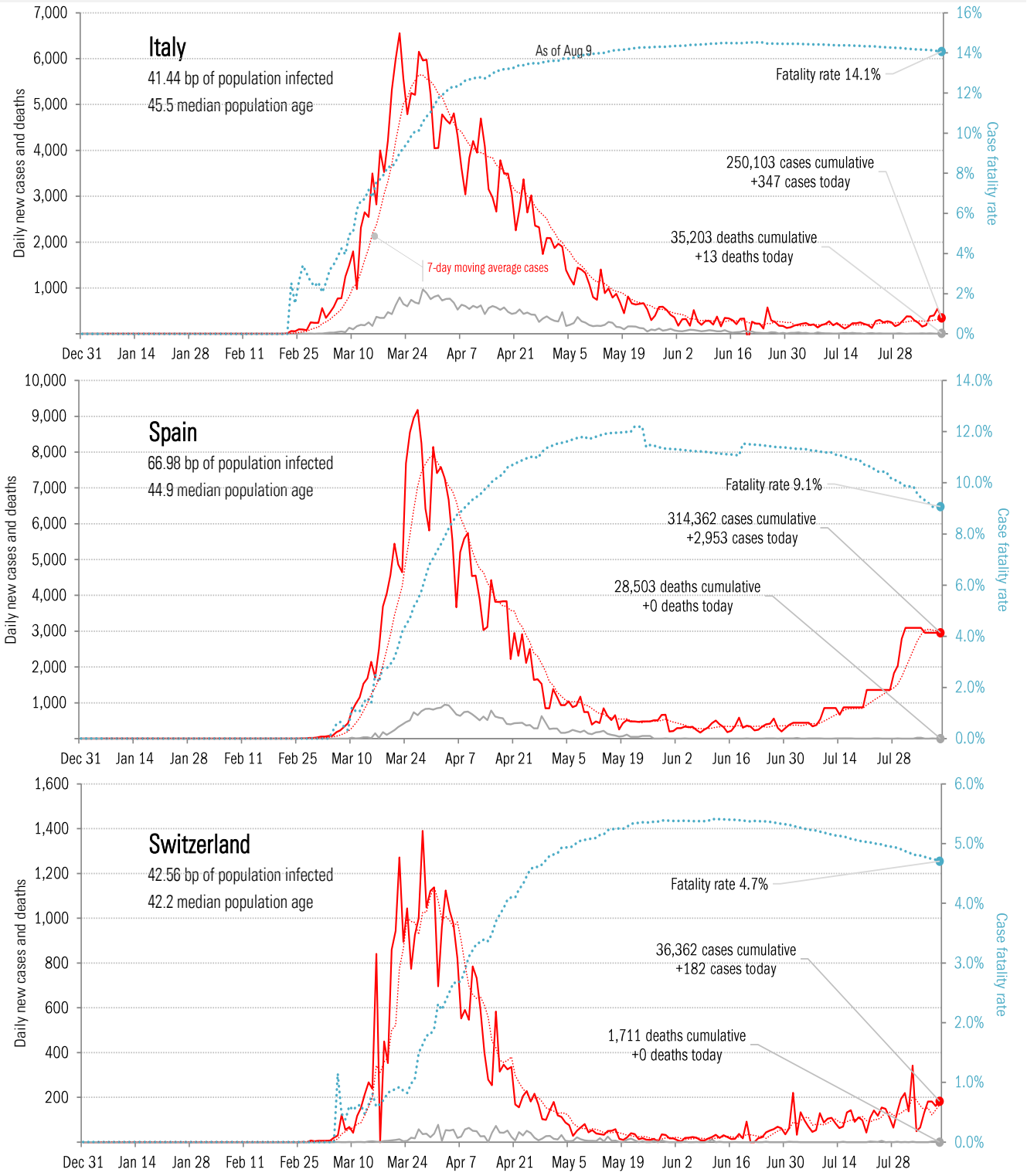
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



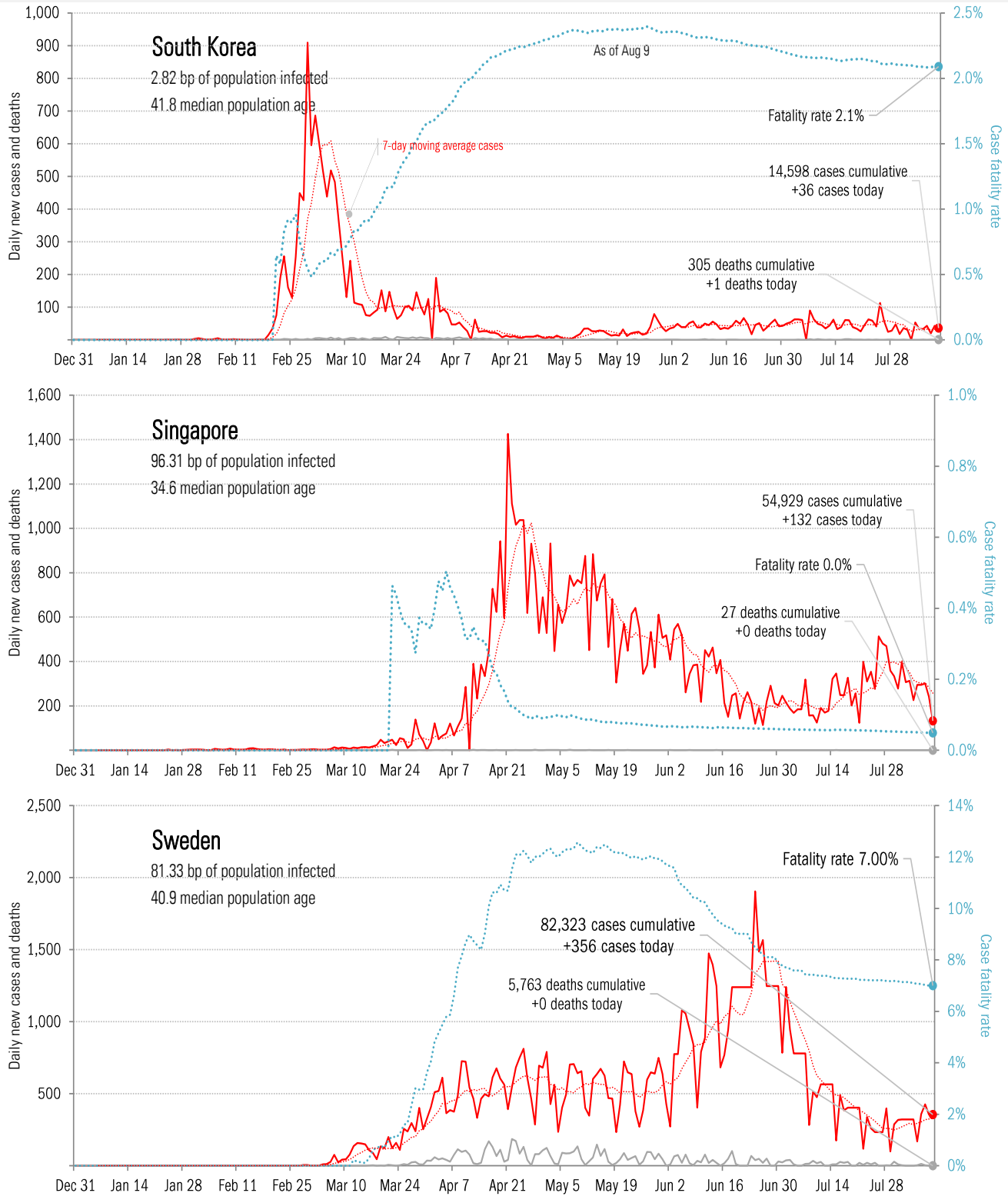
Source: ECDC, TrendMacro calculations

Impact in continental Europe



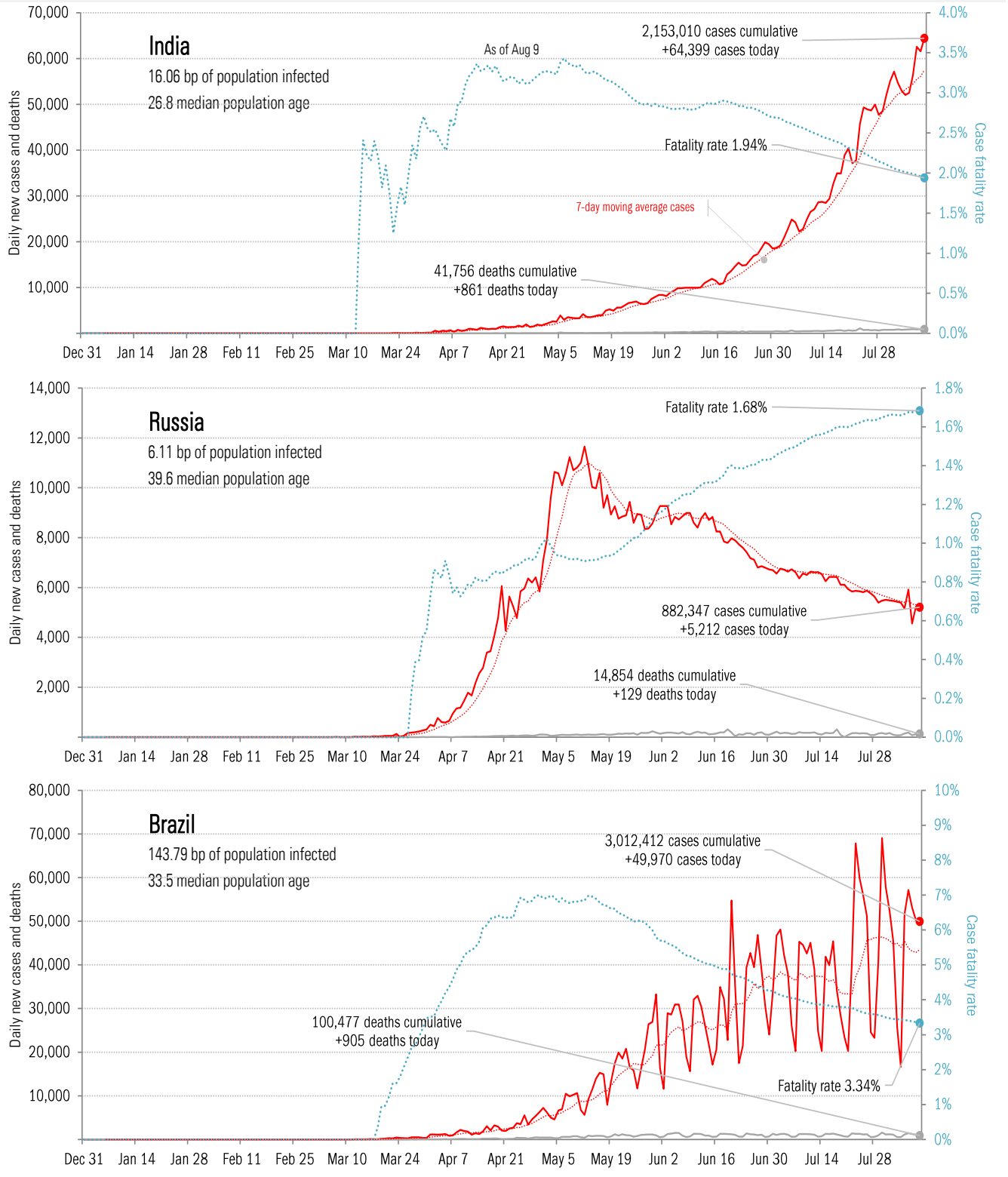
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



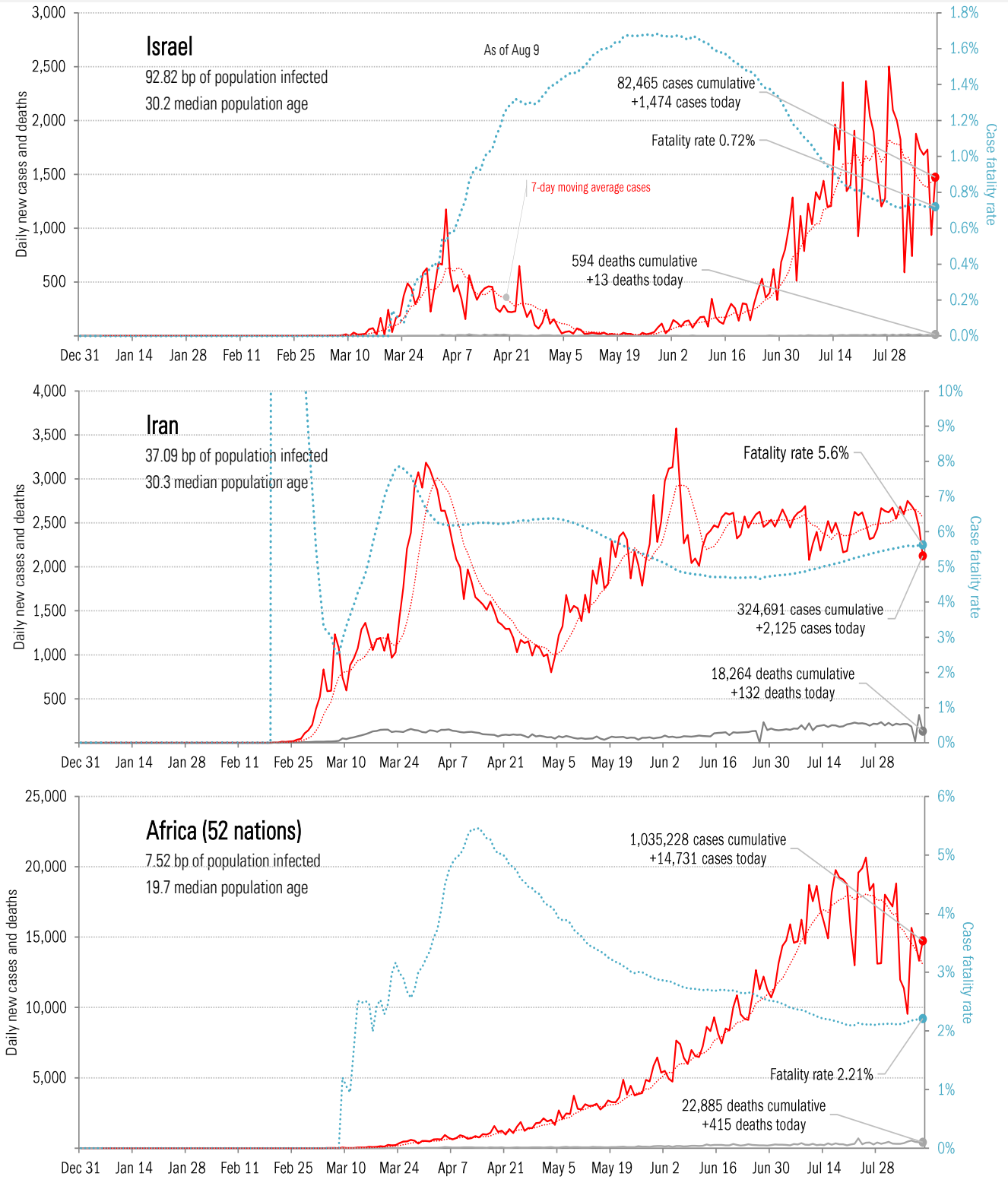
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations