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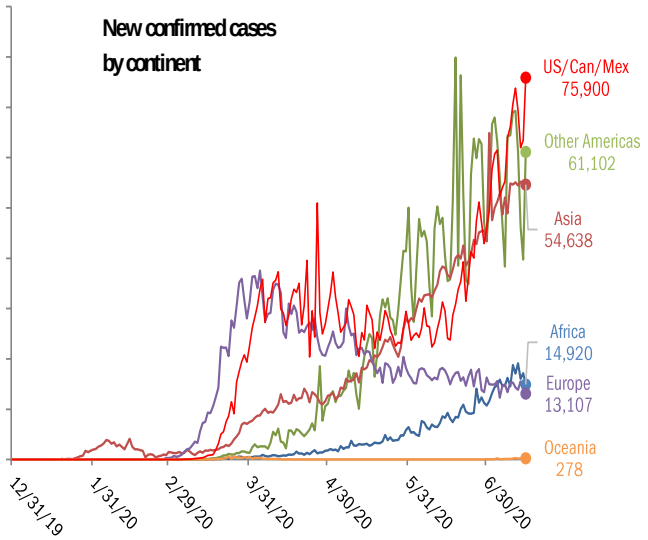
Data Insights: Covid-2019 Monitor

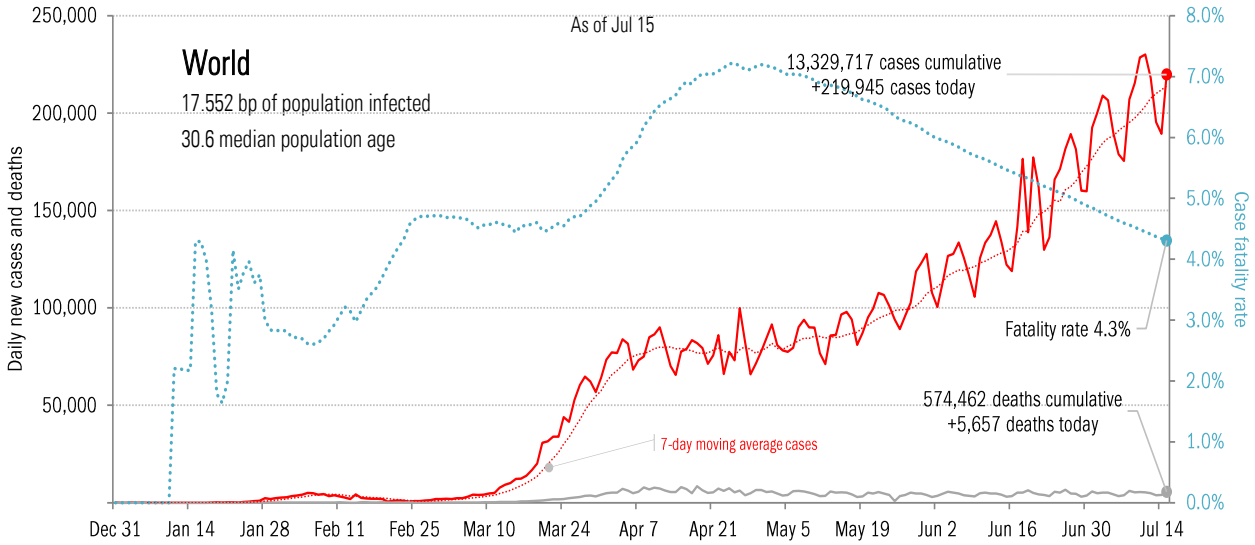
Wednesday, July 15, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+68,518	Brazil	+1,300
Brazil	+41,857	Mexico	+878
India	+29,429	US	+861
South_Africa	+10,496	India	+582
Mexico	+7,051	Iran	+179
Russia	+6,248	Peru	+175
Colombia	+5,671	Russia	+175
Peru	+3,744	South_Africa	+174
Bangladesh	+3,163	Colombia	+170
Saudi	+2,692	UK	+138
	+178,869		+4,632
World	+219,945	World	+5,657
Top ten	81%	Top ten	82%





Source: ECDC, TrendMacro calculations

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The US scorecard

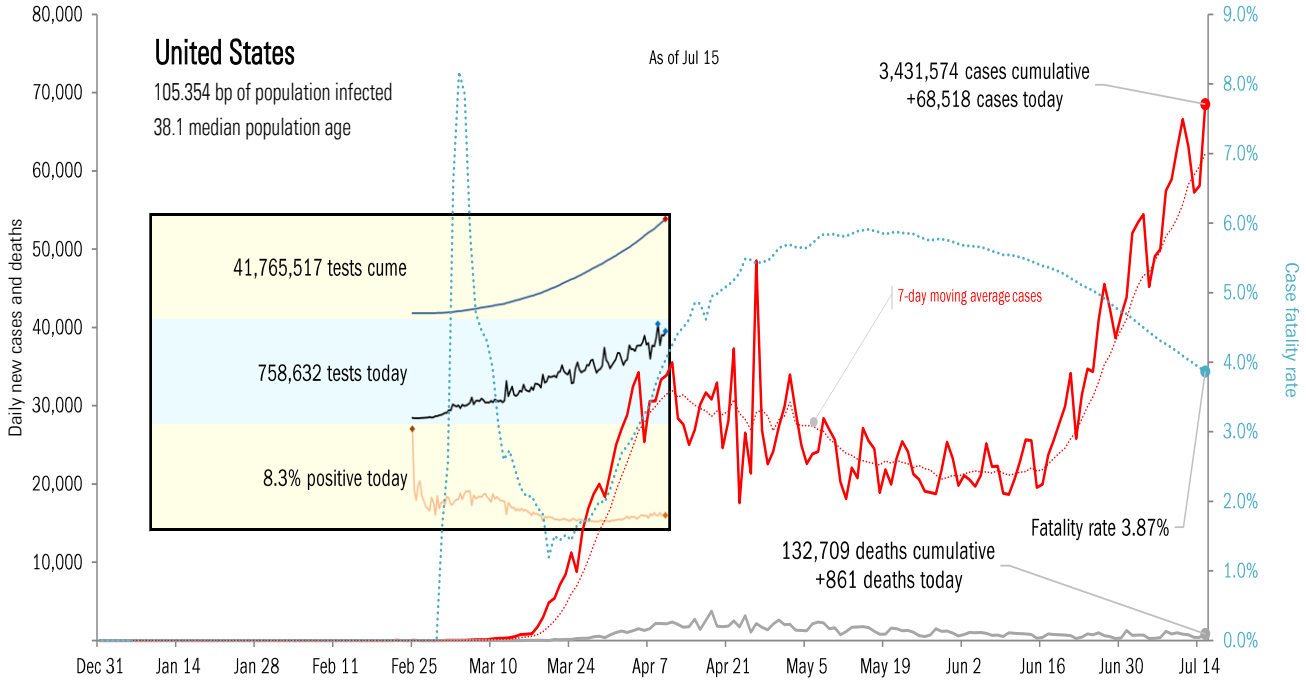
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
TX	+10,745	FL	+133	FL	+384	NY	403,175	NY	24,994	NY	89,995
FL	+9,194	AZ	+92	AL	+378	CA	336,508	NJ	15,582	NJ	20,632
CA	+7,346	TX	+87	SC	+346	FL	291,629	MA	8,340	FL	19,201
AZ	+4,273	CA	+47	GA	+209	TX	275,058	IL	7,419	GA	13,685
GA	+3,394	NC	+42	OH	+134	NJ	175,915	CA	7,087	MA	11,625
SC	+2,221	AL	+40	AZ	+103	IL	156,638	PA	6,931	MD	11,485
LA	+2,215	GA	+28	TN	+94	AZ	128,097	MI	6,326	CT	10,552
NC	+1,956	IL	+25	VA	+91	GA	123,963	FL	4,514	VA	10,550
AL	+1,710	LA	+22	IN	+59	MA	112,130	CT	4,372	OH	9,049
TN	+1,514	MS	+22	MS	+55	PA	96,671	LA	3,445	IN	7,633
	+44,568		+538		+1,853		2,099,784		89,010		204,407
All states	+62,879	All states	+736	All states	+2,262	All states	3,413,313	All states	128,740	All states	267,127
Top ten	71%	Top ten	73%	Top ten	82%	Top ten	62%	Top ten	69%	Top ten	77%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-3,430	WA	-53	WA	-62	TX	+5,979
TN	-1,800	CT	-22	KS	-39	SC	+2,892
KS	-1,447	RI	-7	OR	-34	TN	+1,276
CA	-1,012	NY	-5	MD	-29	OH	+1,088
WA	-337	KS	-4	VA	-13	OK	+820



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

Recommended reading

[Moderna Fires Up Covid Vaccine Race With Promising Early Result]
Robert Langreth
Bloomberg
July 14, 2020

[Resignation Letter]
Bari Weiss
Bari Weiss
July 14, 2020

[Florida Department of Health says some labs have not reported negative COVID-19 results]
Robert Guaderrama
Fox35
July 14, 2020

[A New Understanding of Herd Immunity]
James Hamblin
The Atlantic
July 13, 2020

[Pence Tells Governors to Protect Citizens However They Can]
Brian Eckhouse and David R Baker
Bloomberg
July 14, 2020

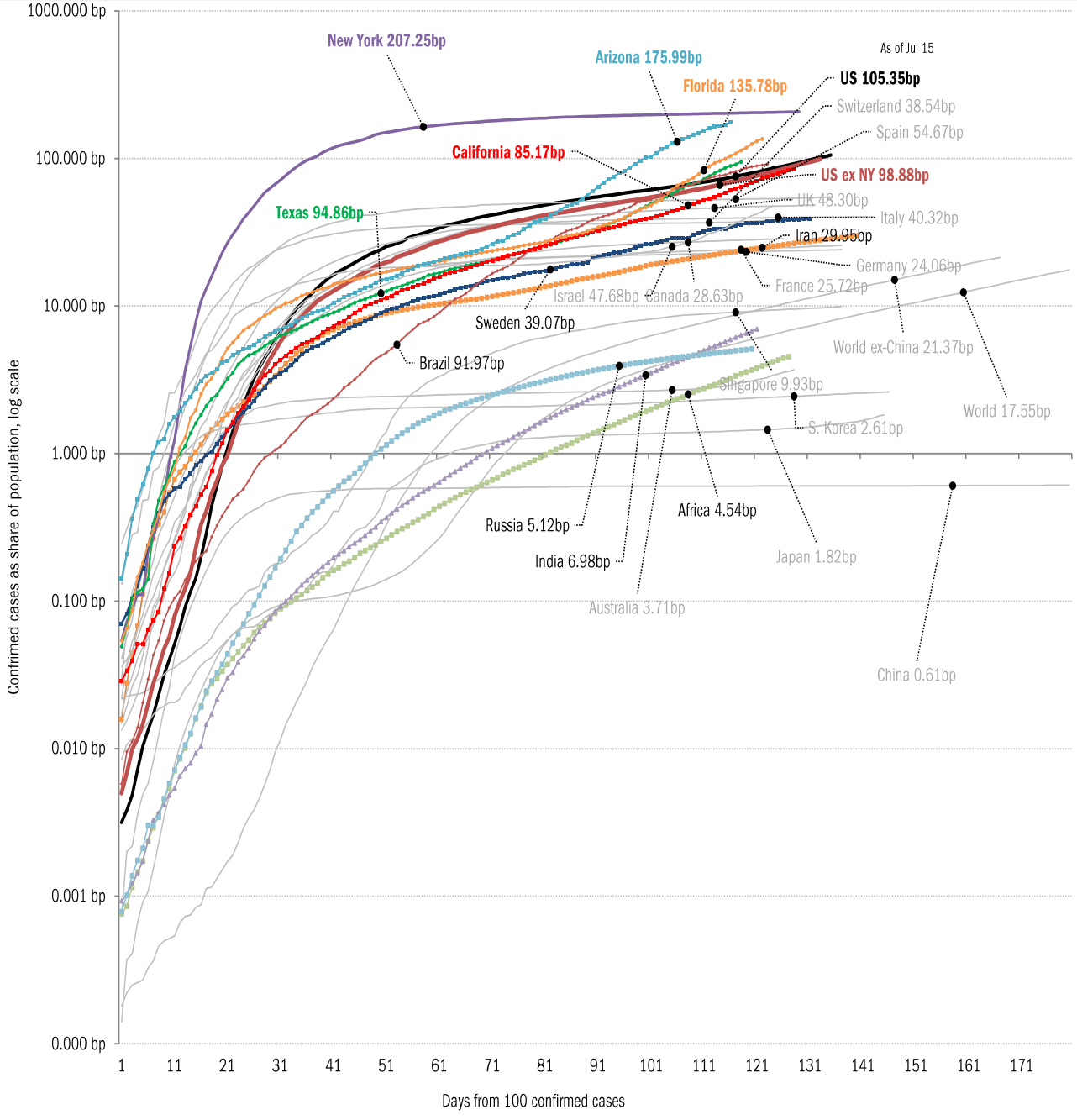
[A Little Girl's Quarantine Meltdown Is Really Resonating With People]
Melissa Locker
Time
July 10, 2020

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

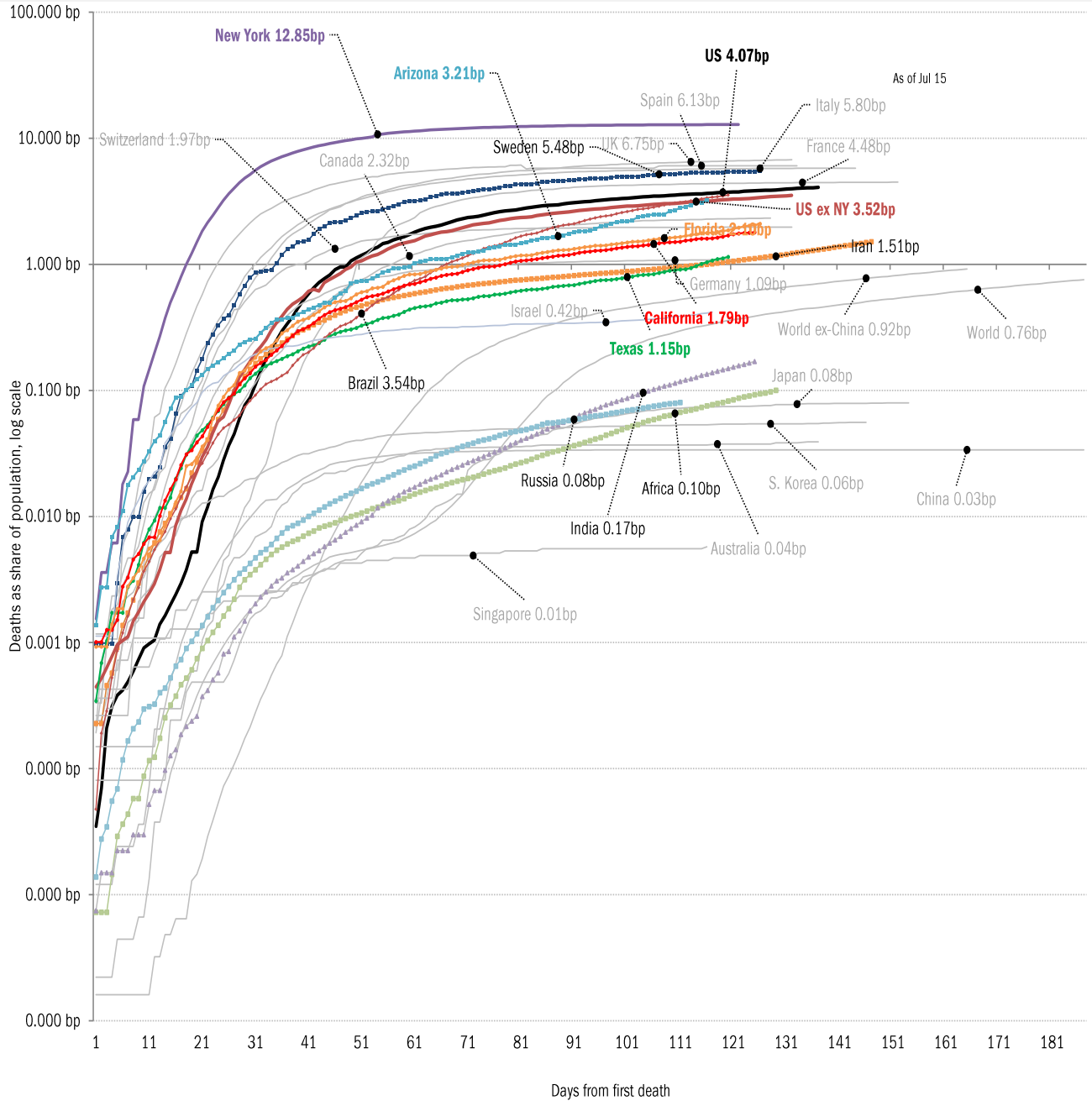
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

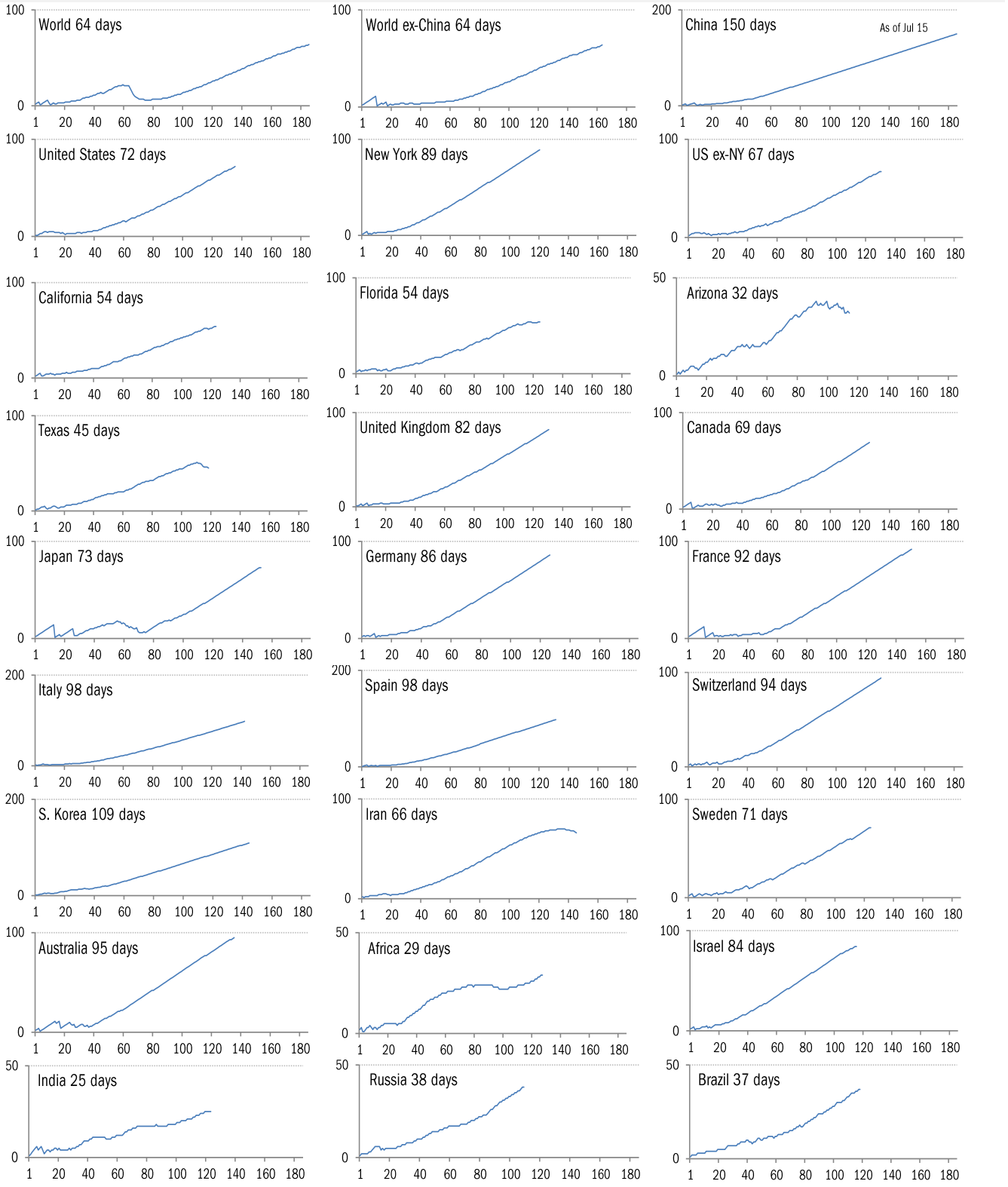
Share of deceased population from day of first fatality



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

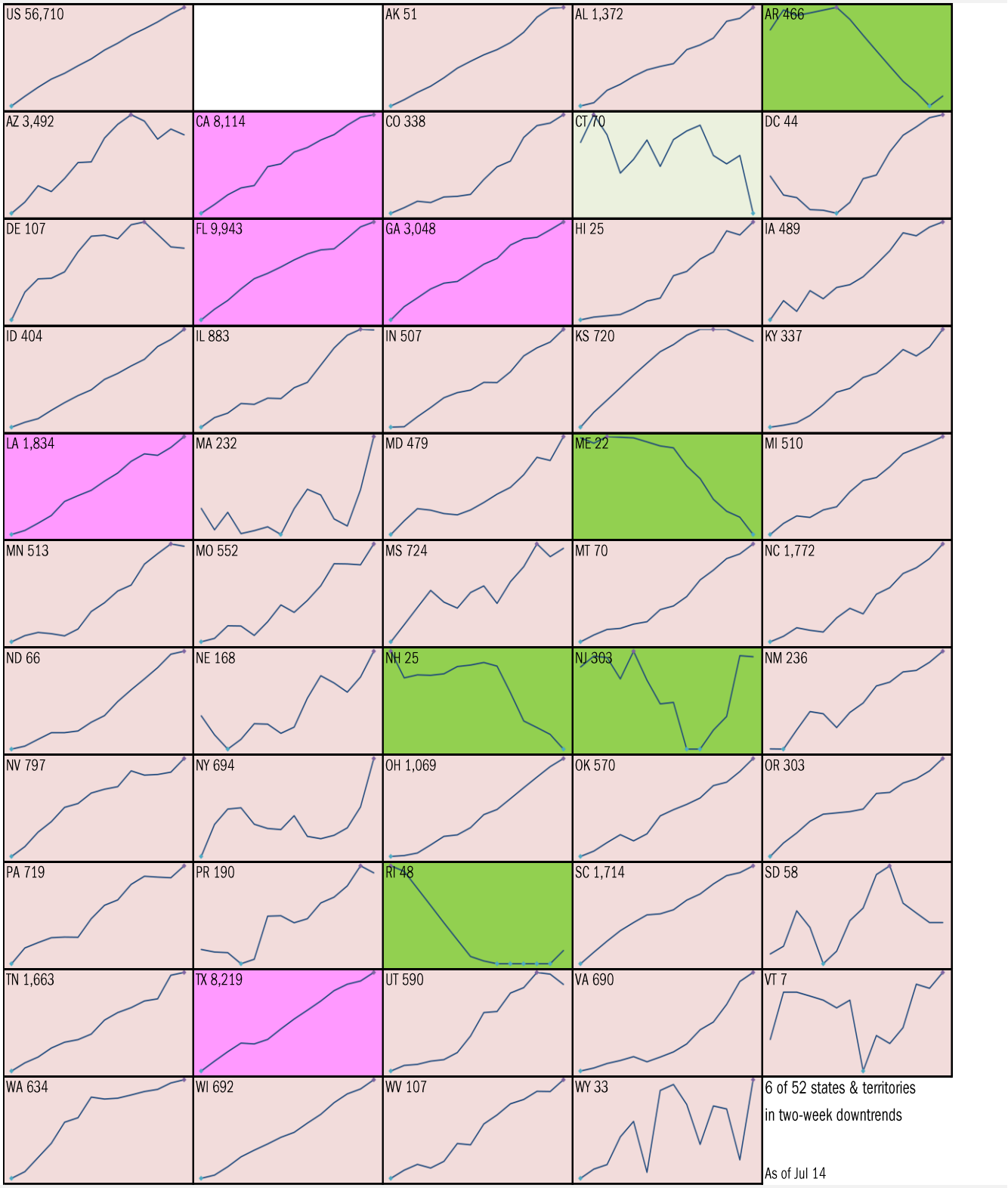


Source: ECDC, TrendMacro calculations

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

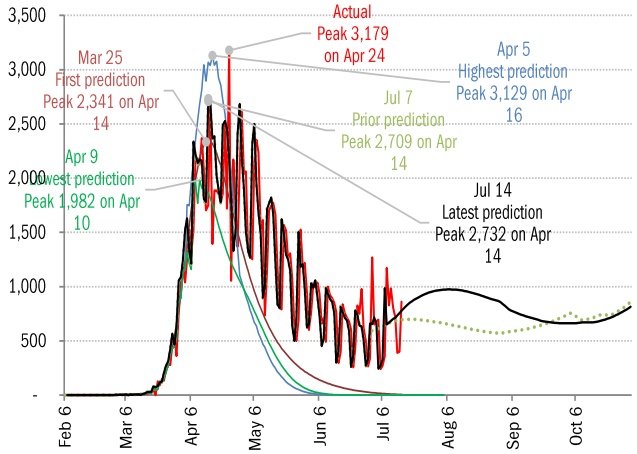
Downward trajectory Five best Upward trajectory Five worst

Source: Covid Tracking Project, TrendMacro calculations

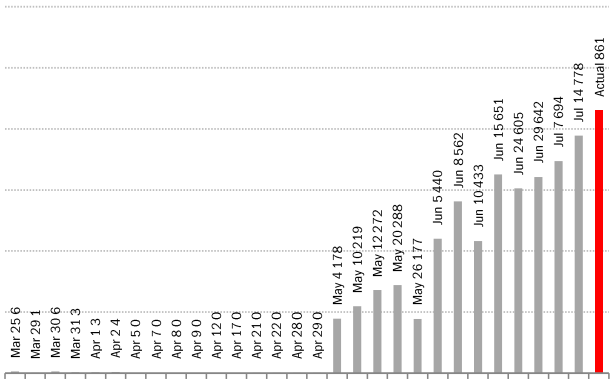
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Jul 15

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

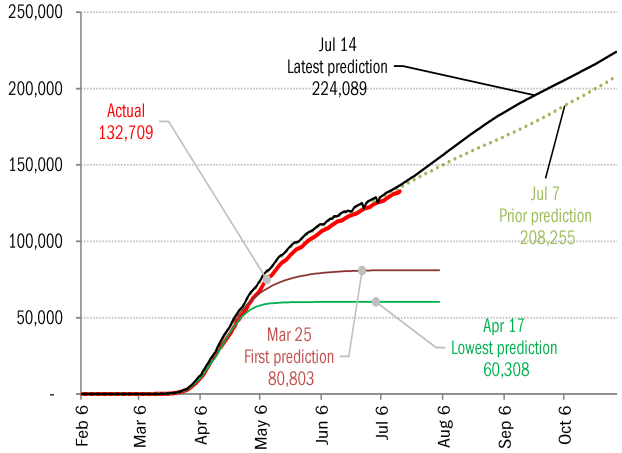


For this day, versus all model mean predictions

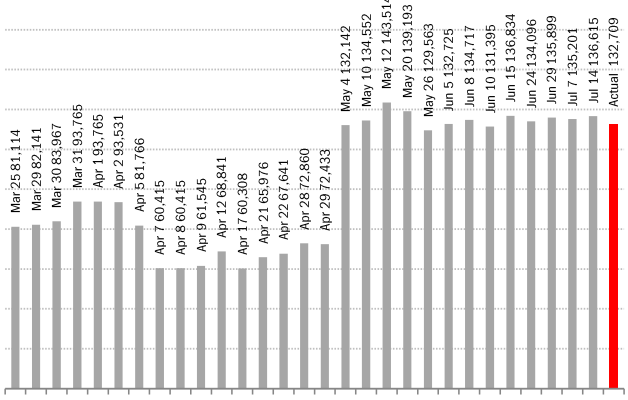


Cumulative fatalities

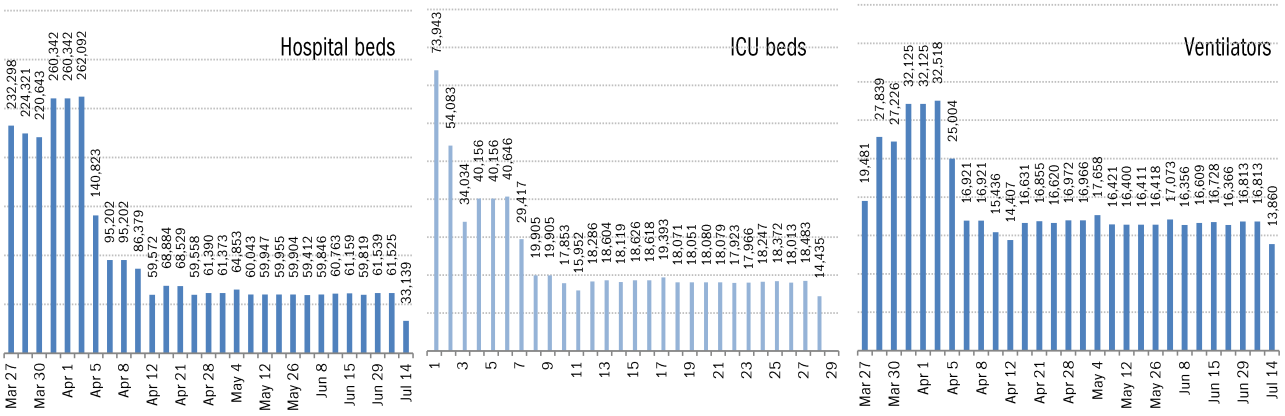
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

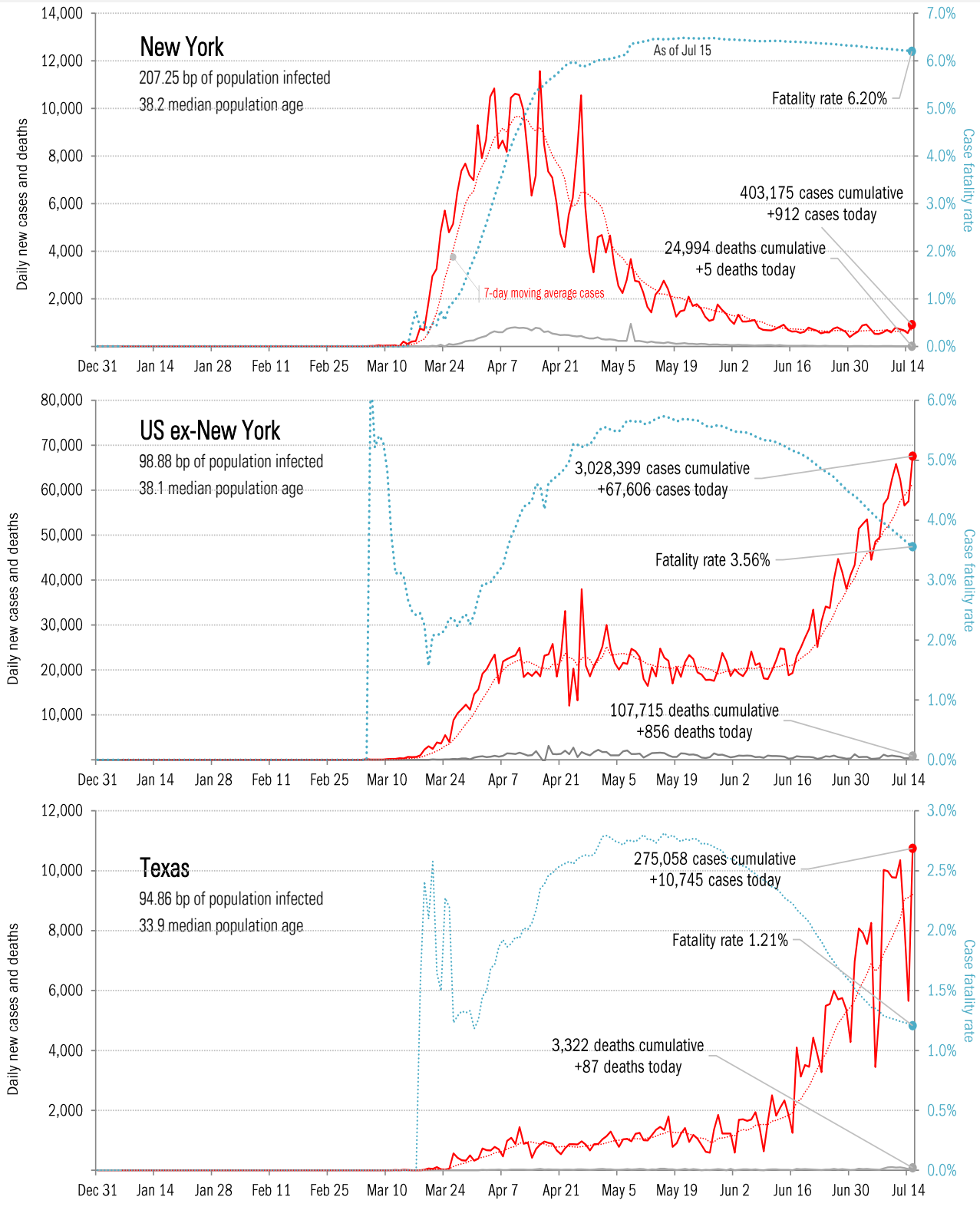


Healthcare system stress, peak estimated at each model revision



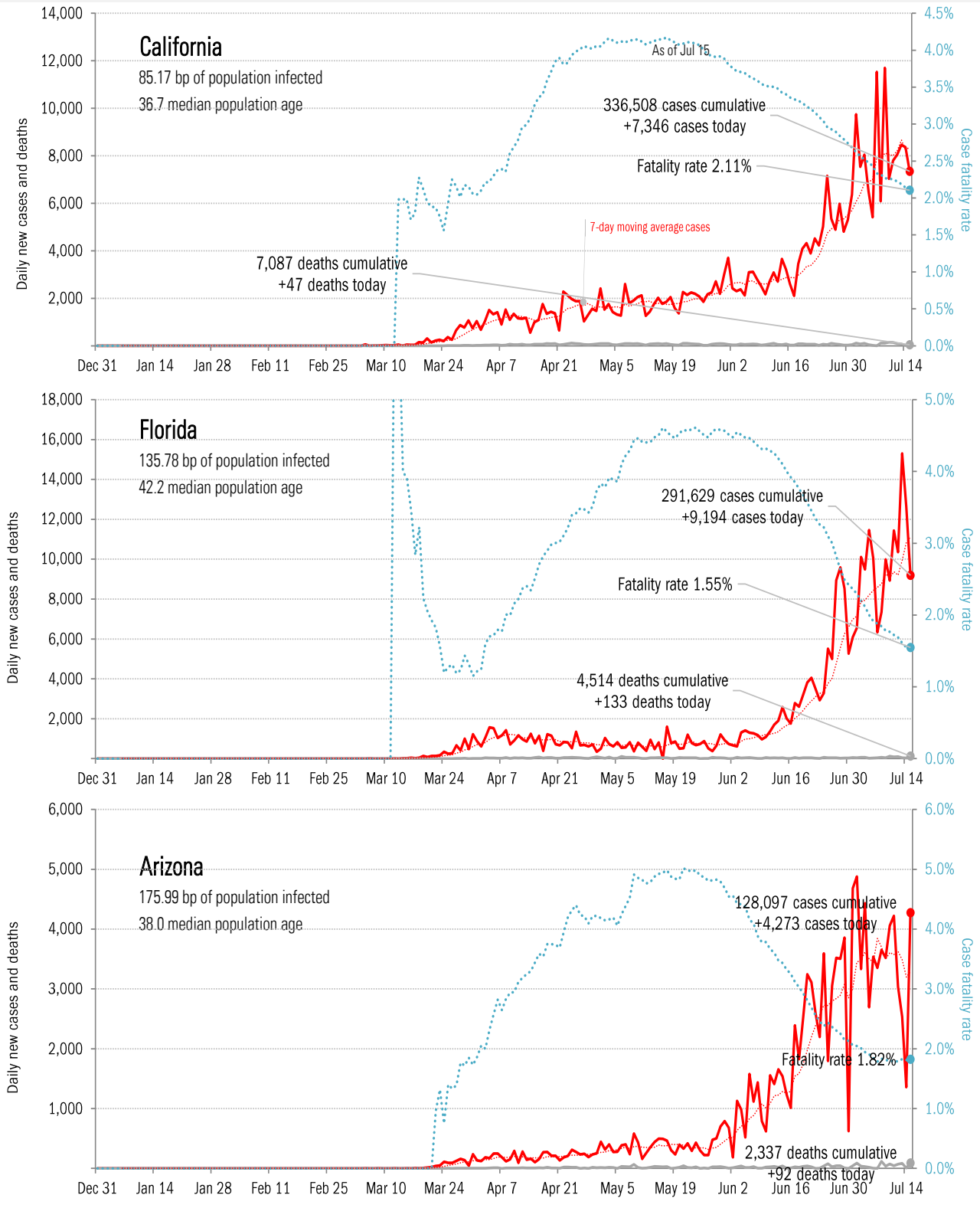
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



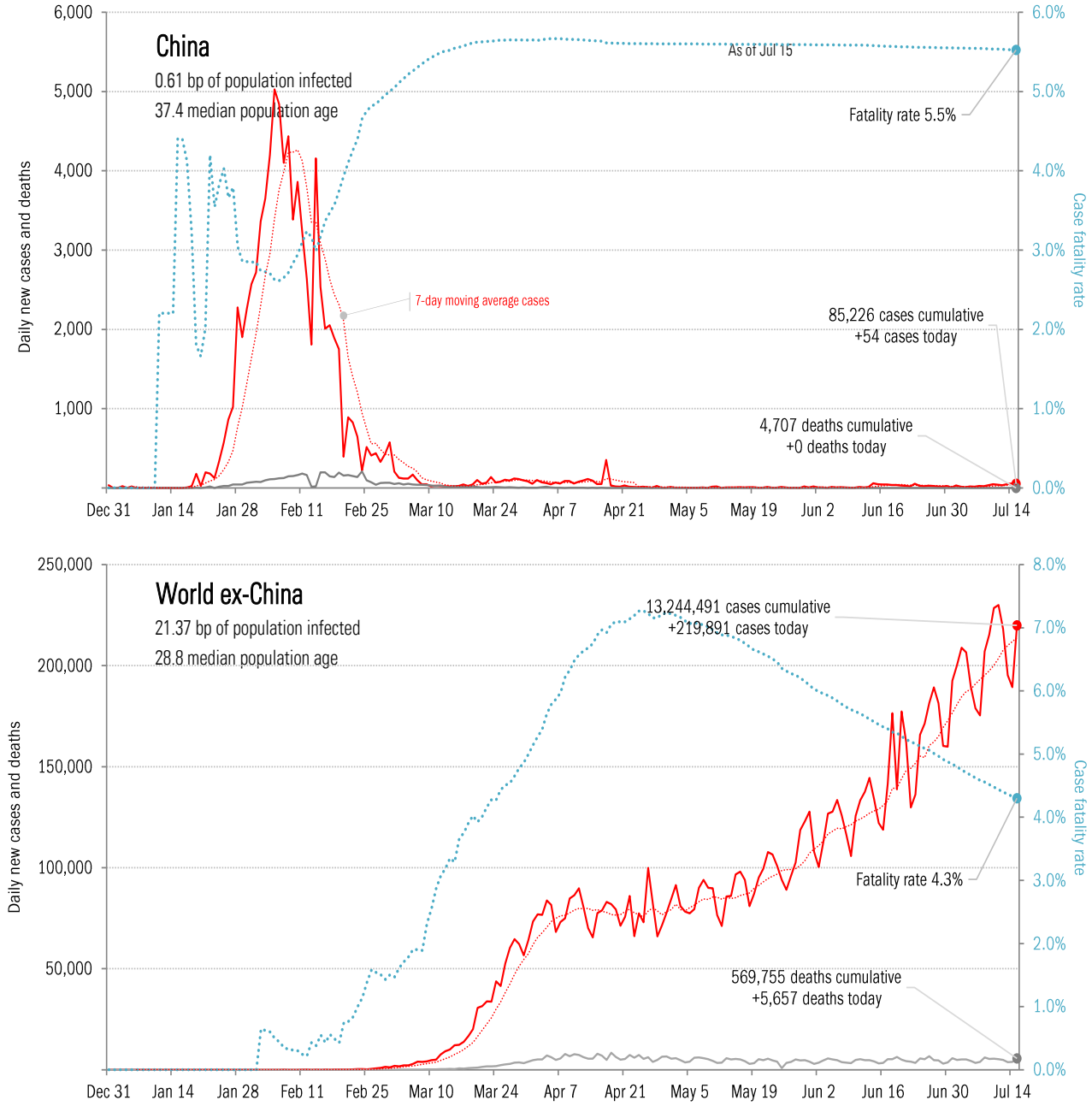
Source: ECDC, TrendMacro calculations

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



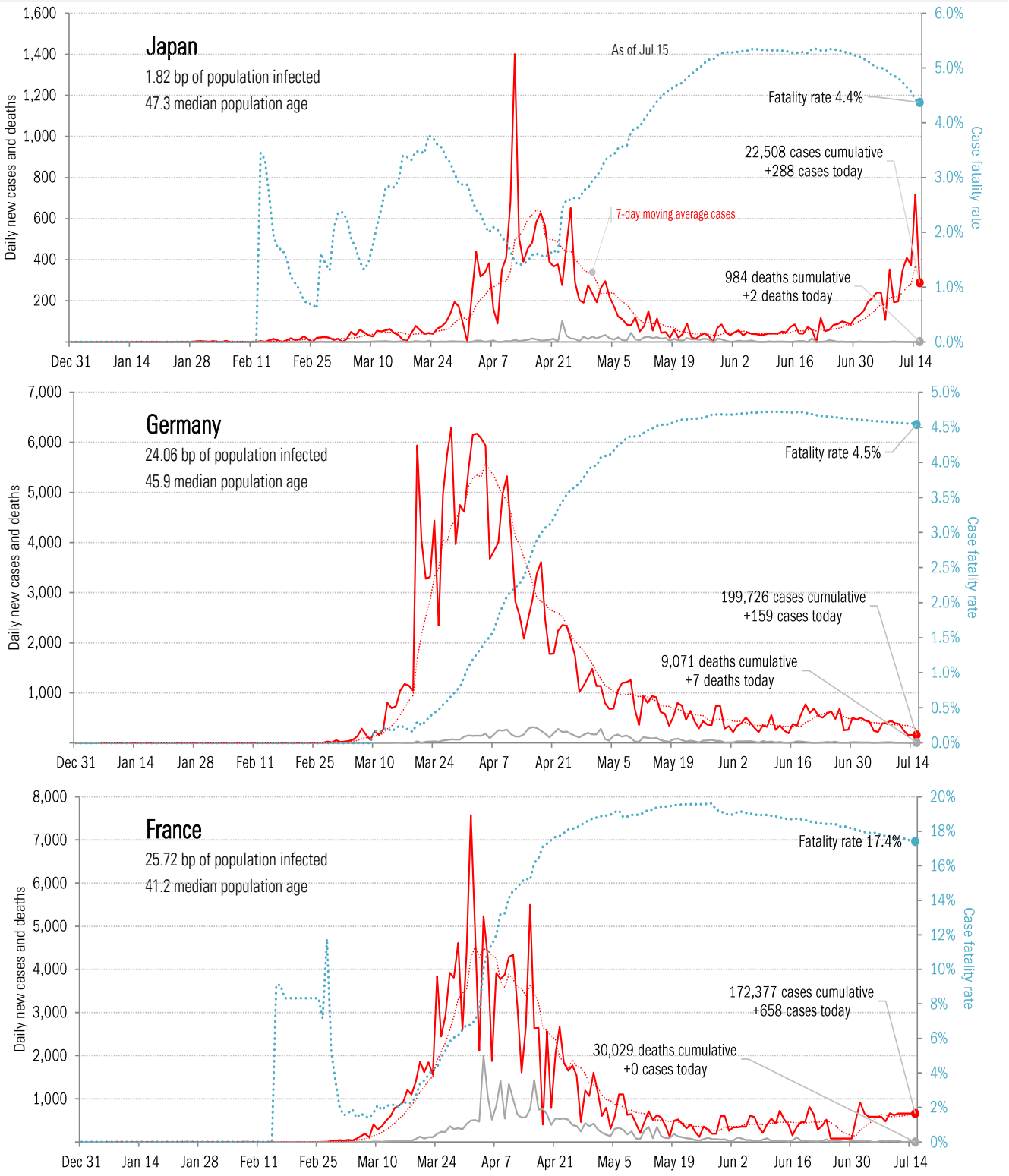
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



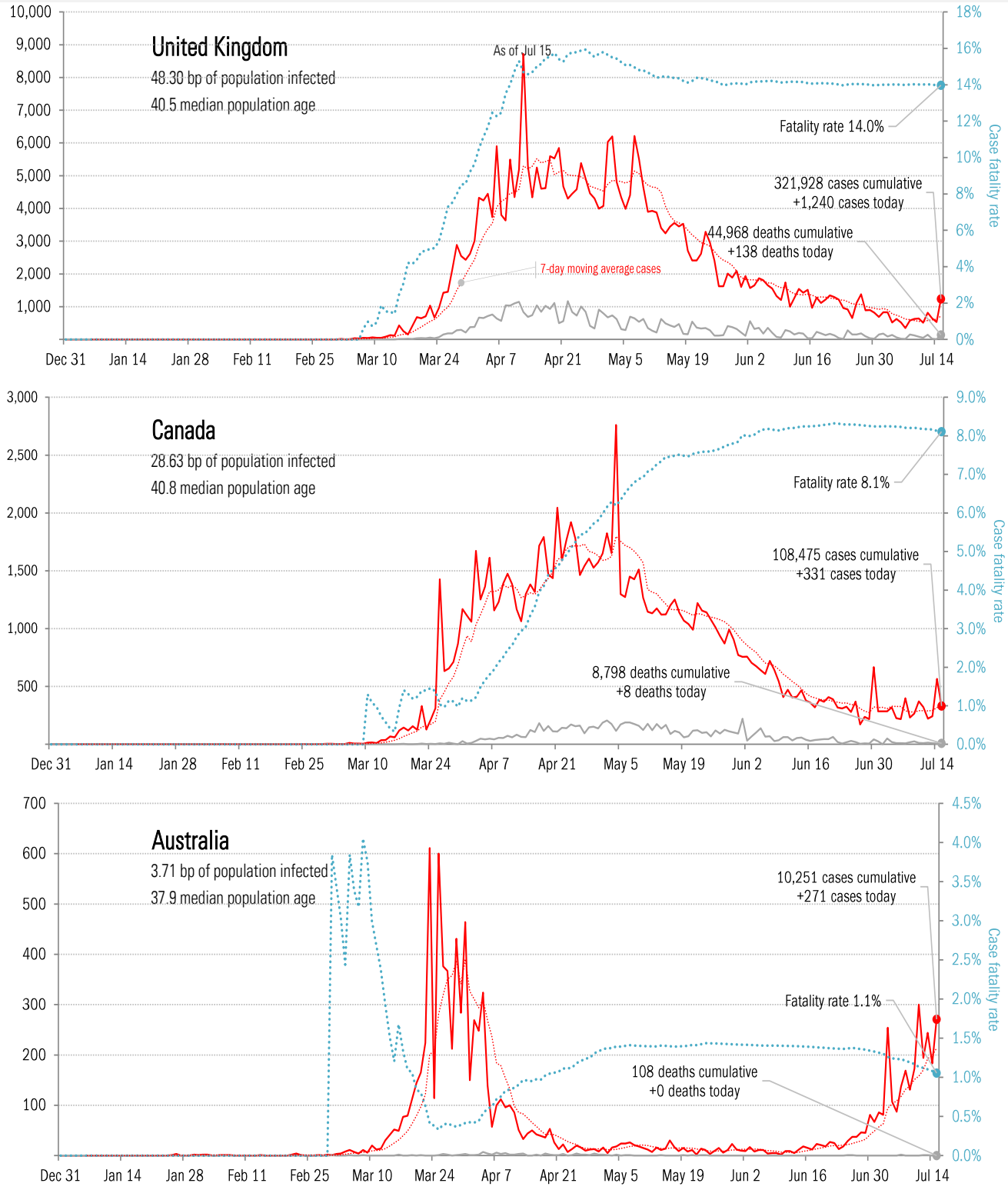
Source: ECDC, TrendMacro calculations

Impact in the largest economies



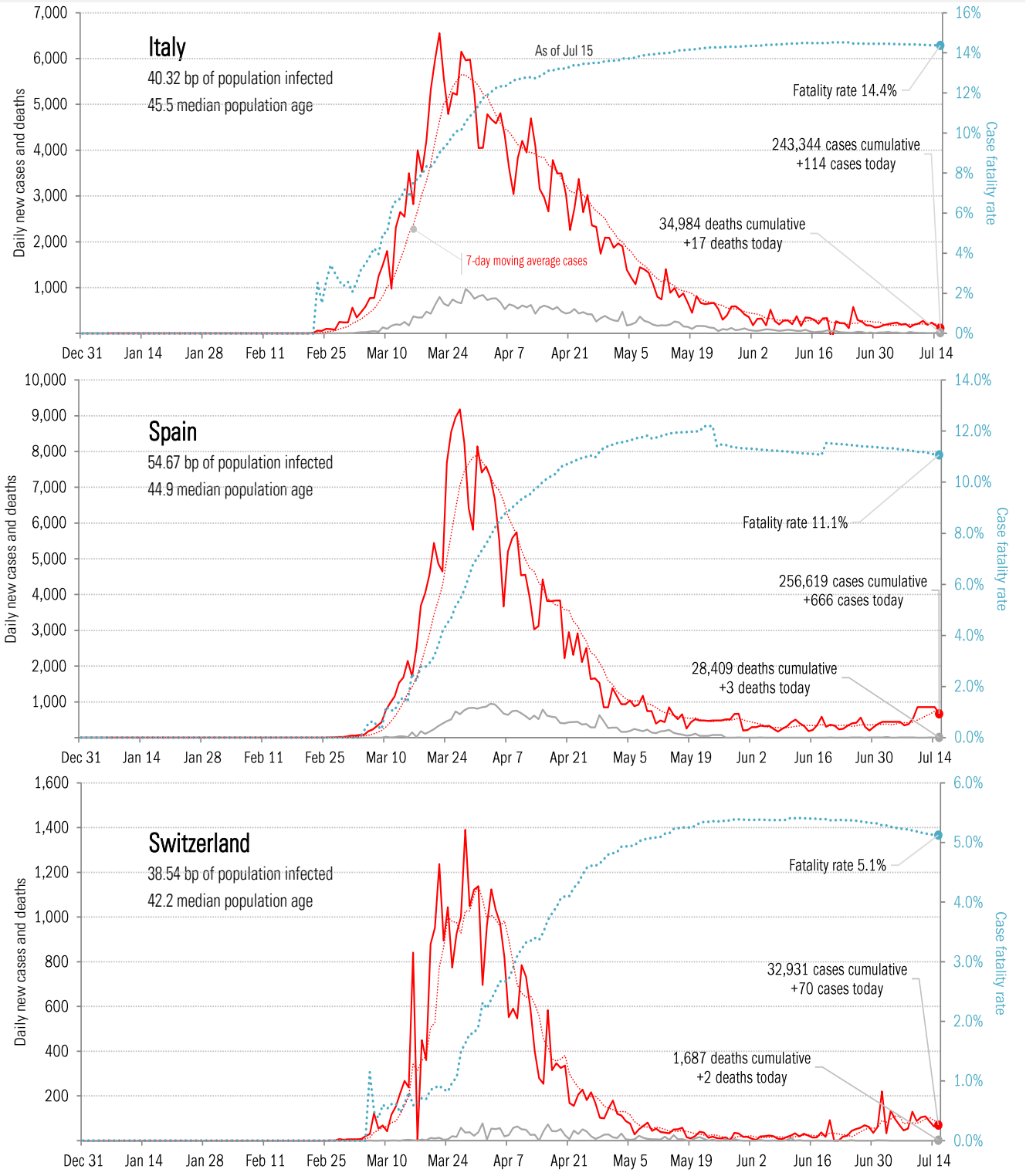
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



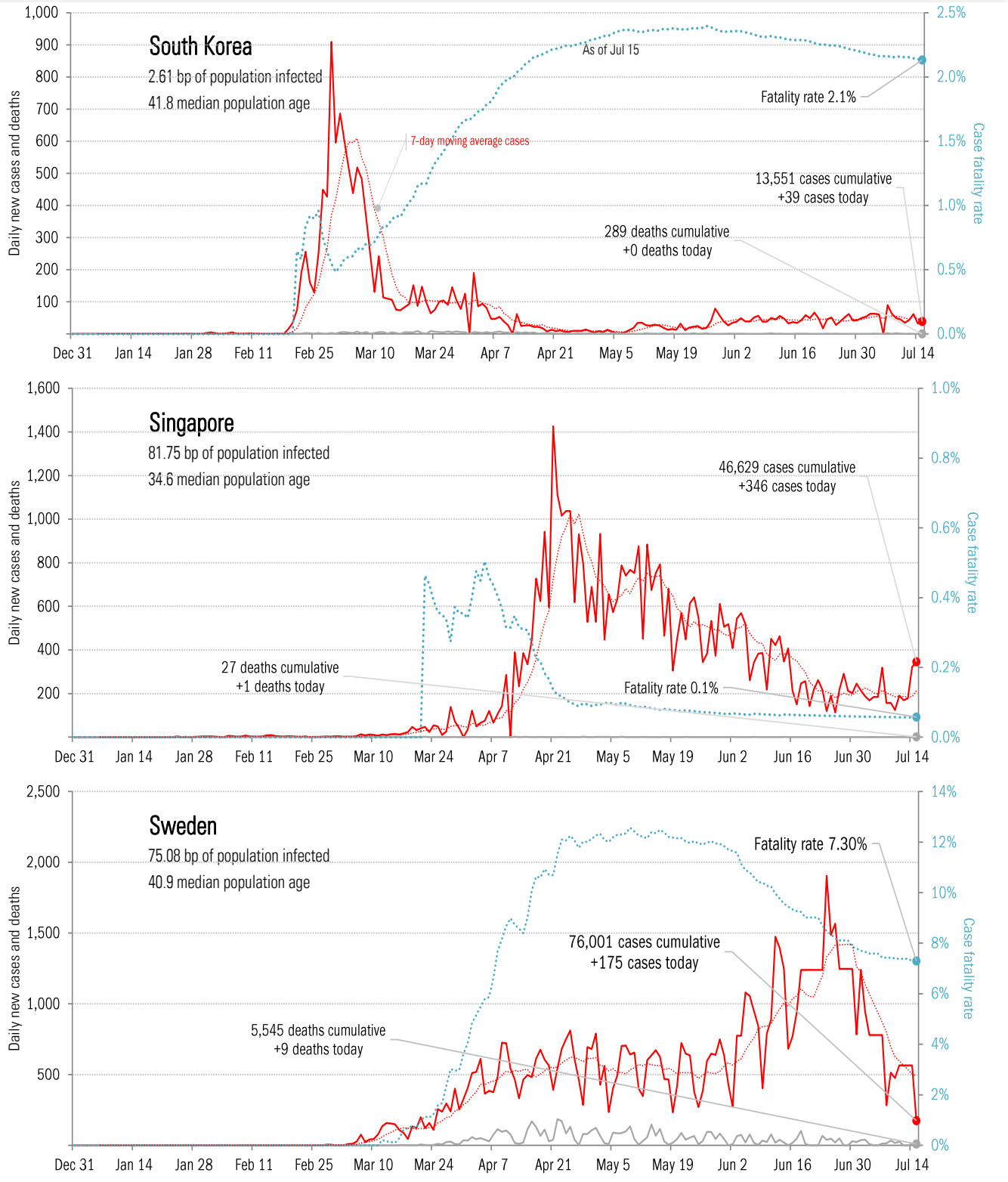
Source: ECDC, TrendMacro calculations

Impact in continental Europe



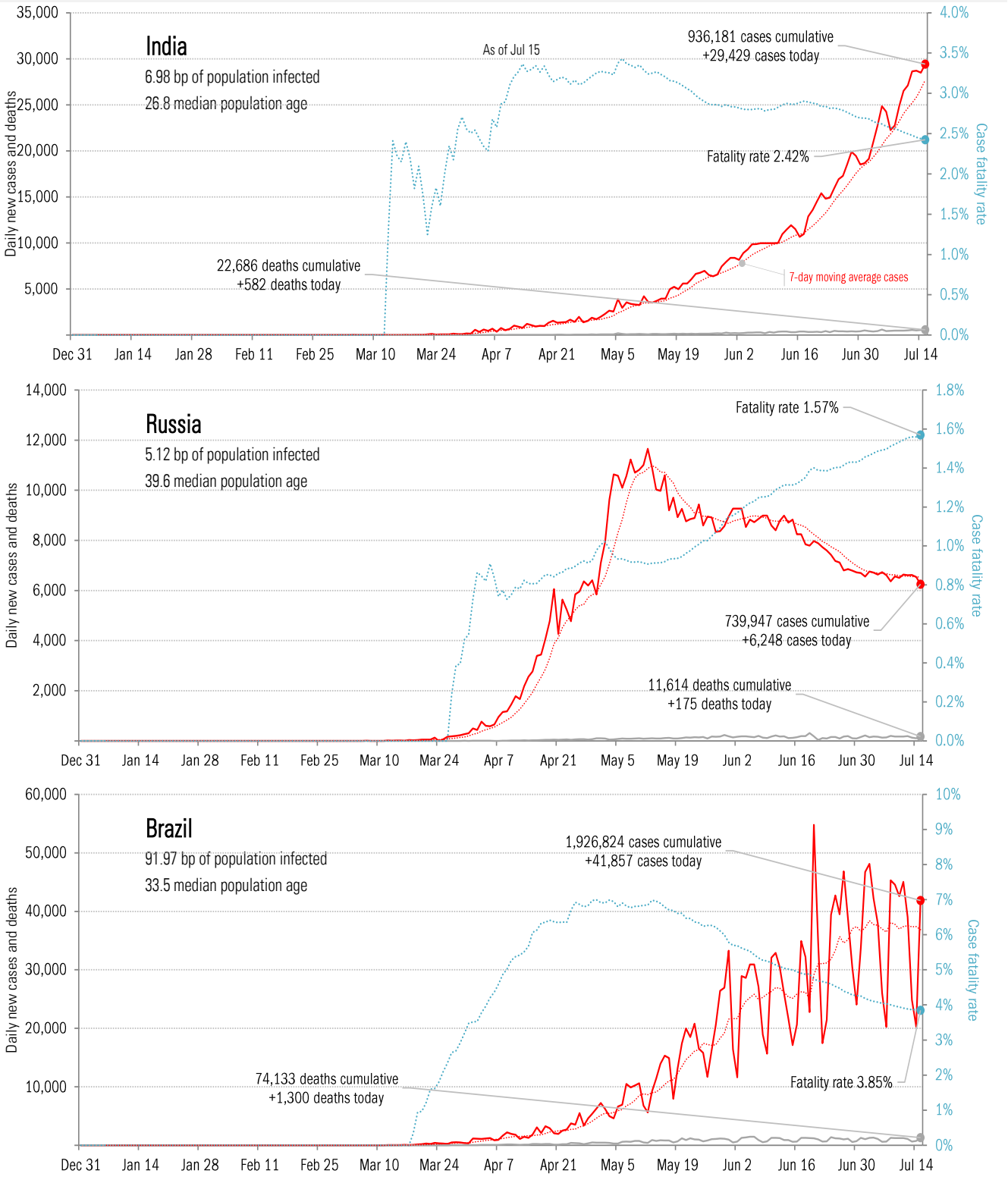
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



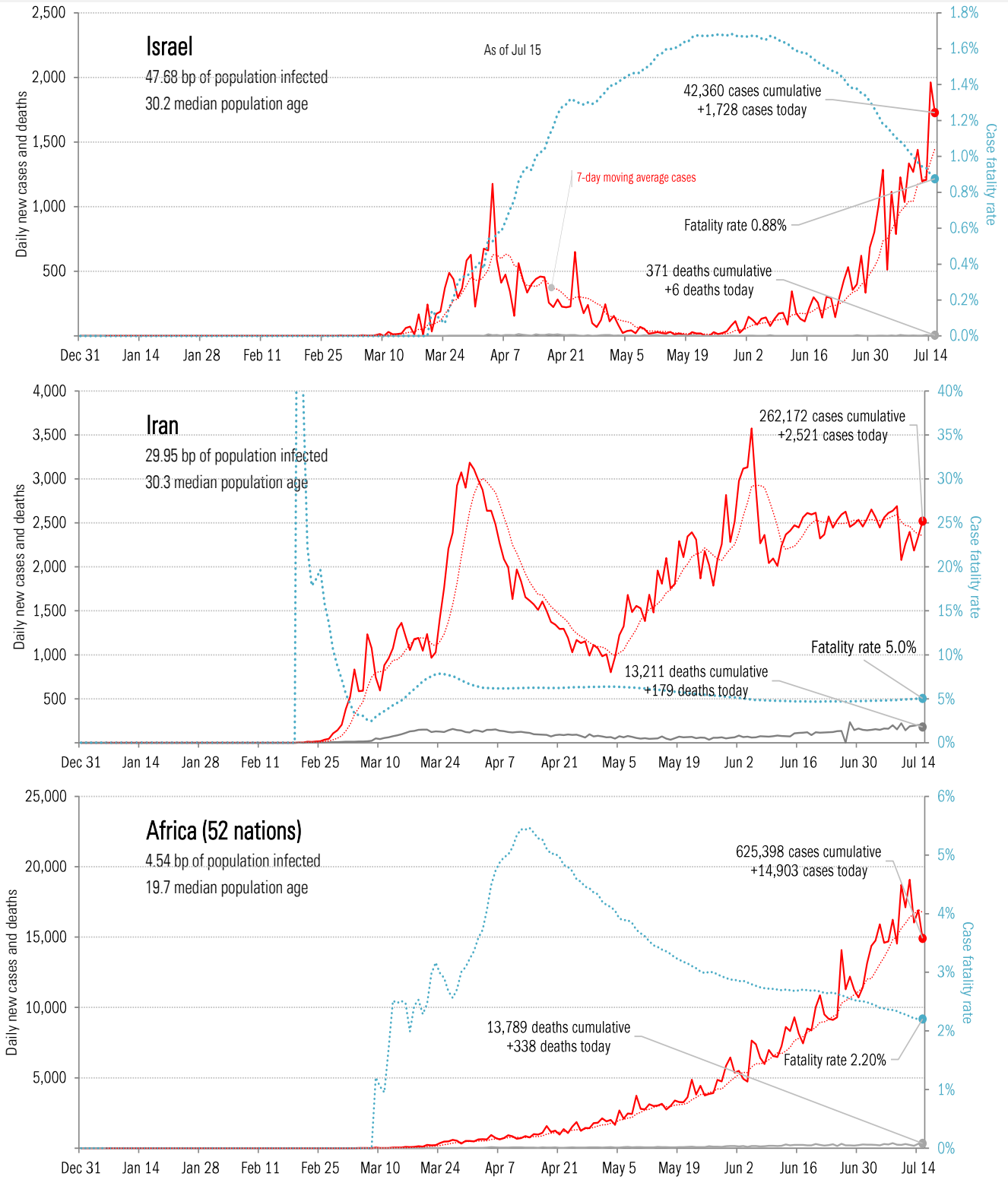
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations