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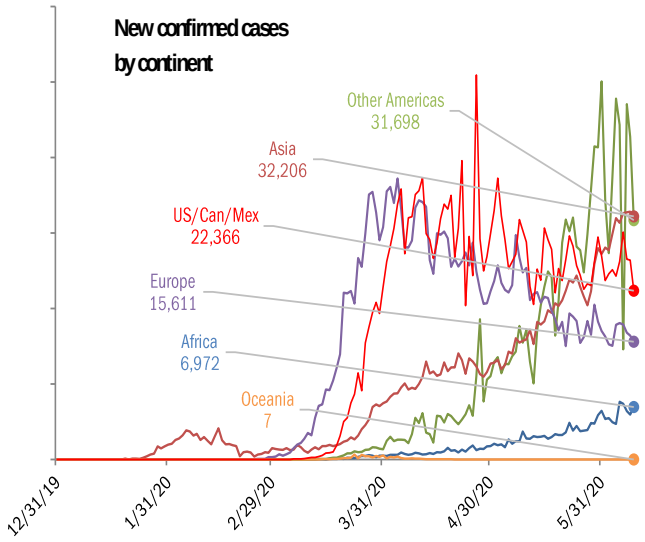
Data Insights: Covid-2019 Monitor

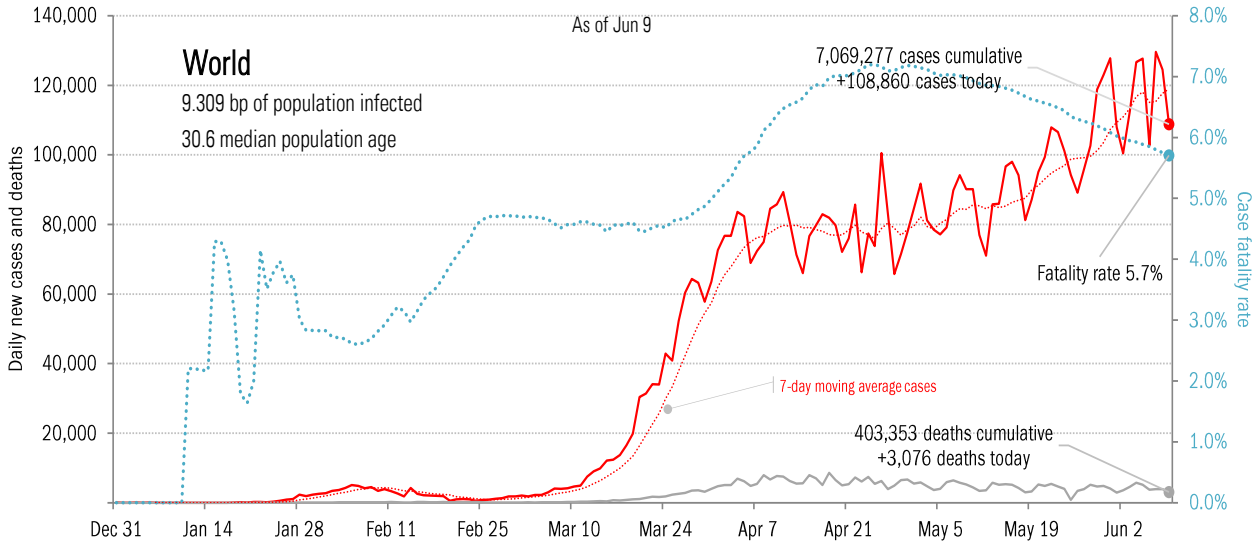
Tuesday, June 9, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+18,912	Brazil	+525
US	+18,822	US	+493
India	+9,987	Mexico	+354
Russia	+8,985	India	+331
Chile	+4,696	Russia	+112
Pakistan	+4,646	Peru	+106
Saudi	+3,369	Pakistan	+105
Peru	+3,181	South_Africa	+82
Mexico	+2,999	Chile	+74
Bangladesh	+2,735	Iran	+70
	+78,332		+2,252
World	+108,860	World	+3,076
Top ten	72%	Top ten	73%





Source: ECDC, TrendMacro calculations

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The US scorecard

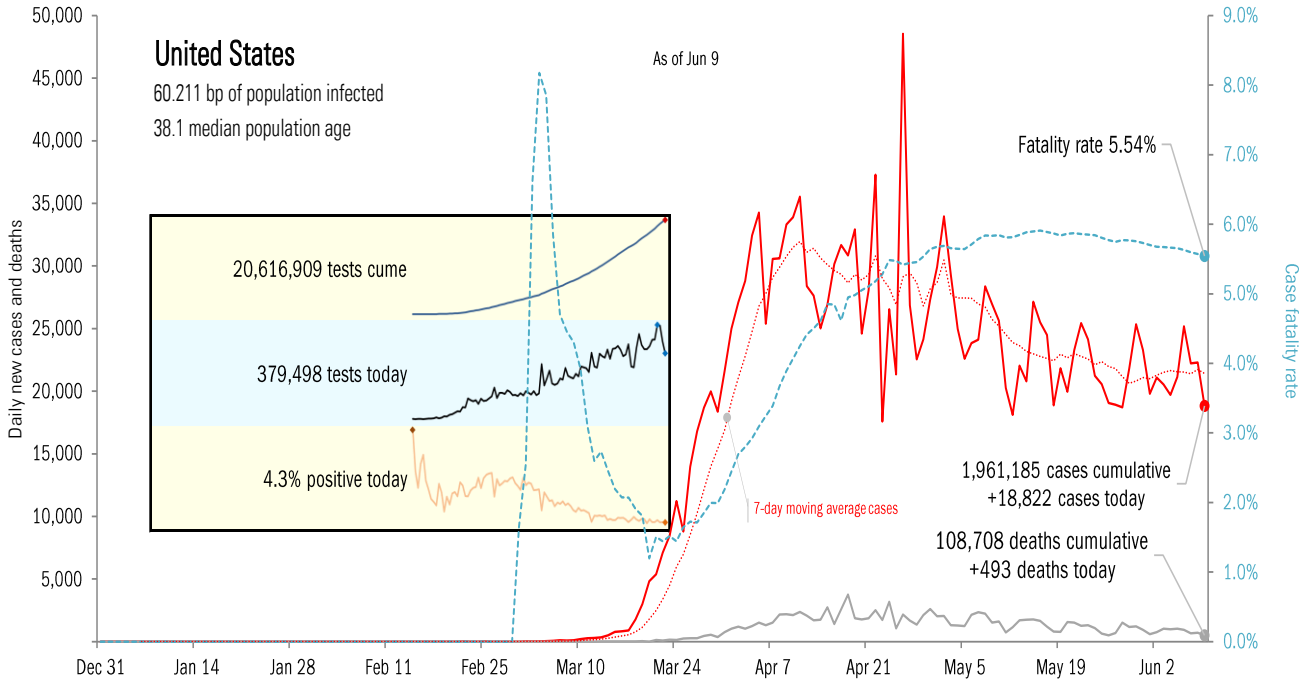
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+2,507	IL	+198	MD	+83	NY	378,799	NY	24,299	NY	89,995
IL	+1,382	NY	+40	FL	+67	NJ	164,497	NJ	12,214	NJ	18,050
FL	+966	NJ	+38	GA	+61	CA	131,319	MA	7,353	FL	11,282
NC	+938	MA	+37	OH	+53	IL	129,139	IL	6,102	MA	10,425
AZ	+789	GA	+28	NM	+44	MA	103,626	PA	5,953	CT	9,669
NY	+702	CA	+27	IN	+43	PA	76,563	MI	5,895	MD	9,629
GA	+599	MD	+27	MN	+34	TX	74,978	CA	4,653	GA	8,746
VA	+570	OH	+27	AL	+32	FL	64,904	CT	4,084	VA	7,730
TN	+563	RI	+27	MA	+32	MI	64,413	LA	2,944	OH	6,550
SC	+514	AL	+26	RI	+32	MD	58,404	FL	2,798	IN	6,179
	+9,530		+475		+481		1,246,642		76,295		178,255
All states	+16,240	All states	+640	All states	+675	All states	1,952,401	All states	105,040	All states	217,581
Top ten	59%	Top ten	74%	Top ten	71%	Top ten	64%	Top ten	73%	Top ten	82%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-1,425	CA	-40	VA	-165	NC	+4,793
VA	-714	NJ	-32	MS	-34	LA	+2,176
AZ	-649	TX	-11	NJ	-27	MS	+2,153
MI	-430	DE	-8	MD	-12	MN	+665
SC	-319	NY	-7	AZ	-7	IN	+470



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

Recommended reading

[Covid-19 Stalks Large Families in Rural America]
Ian Lovett, Dan Frosch and Paul Overberg
Wall Street Journal
June 8, 2020

[Virus Spreaders Who Never Show Symptoms 'Very Rare,' WHO Says]
Jeff Sutherland
Bloomberg
June 9, 2020

[The effect of large-scale anti-contagion policies on the COVID-19 pandemic]
Solomon Hsiang et al.
Nature
June 8, 2020

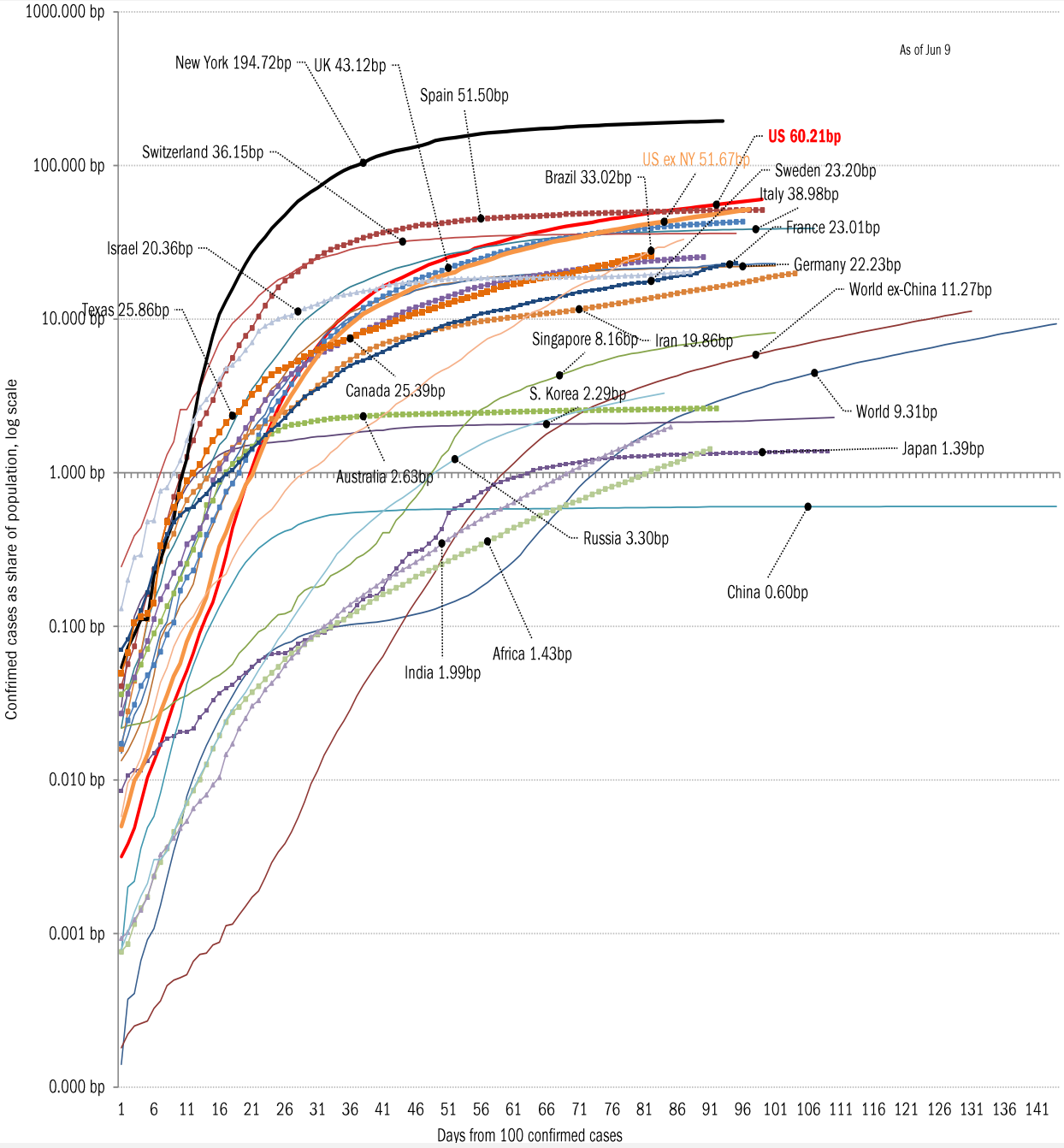
[Bill Maher: 'Reckless' lockdowns helped fuel riots, could lead to 'blood in the streets' after election]
Joseph A. Wulfsohn
Fox News
June 6, 2020

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

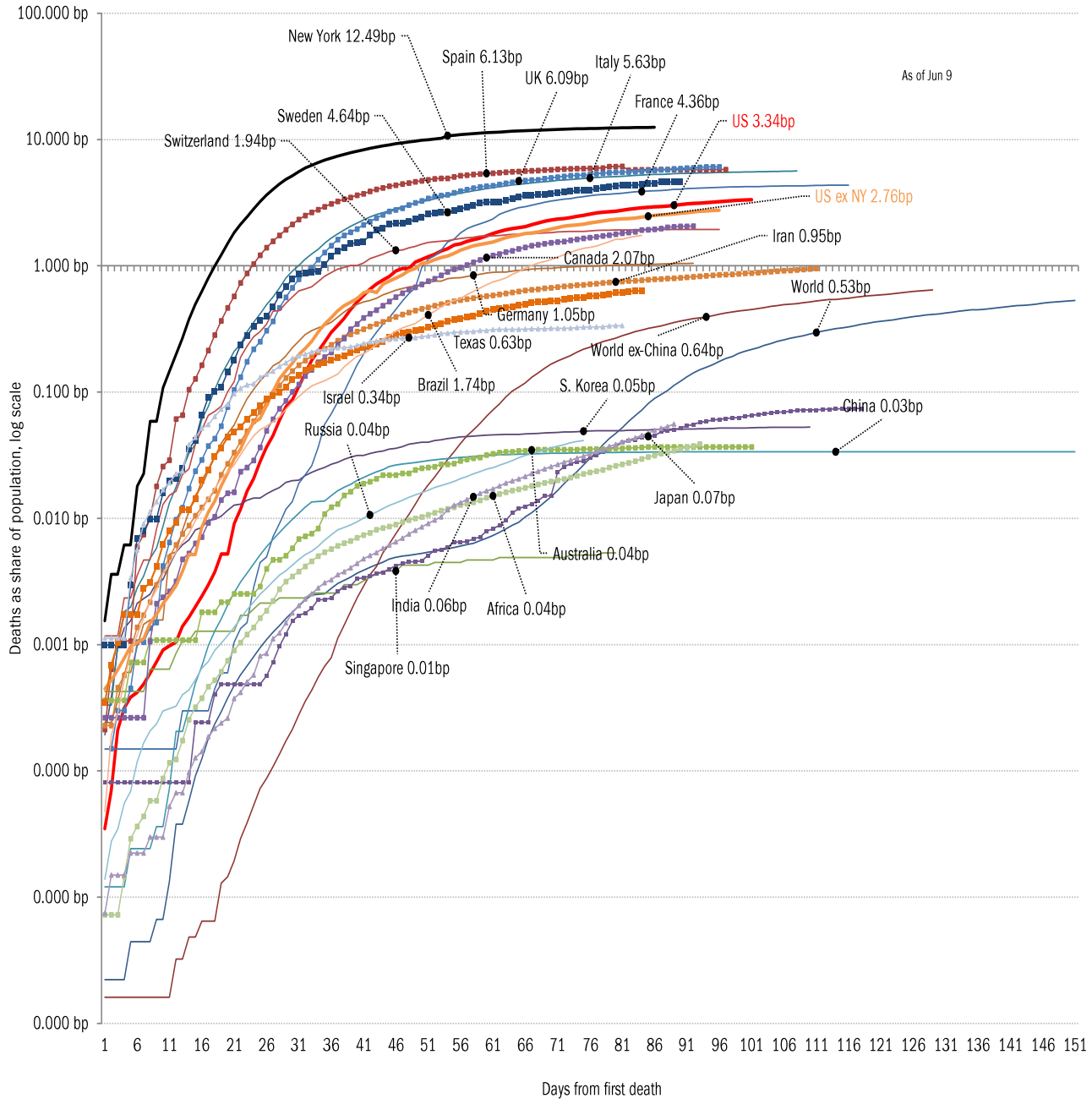
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

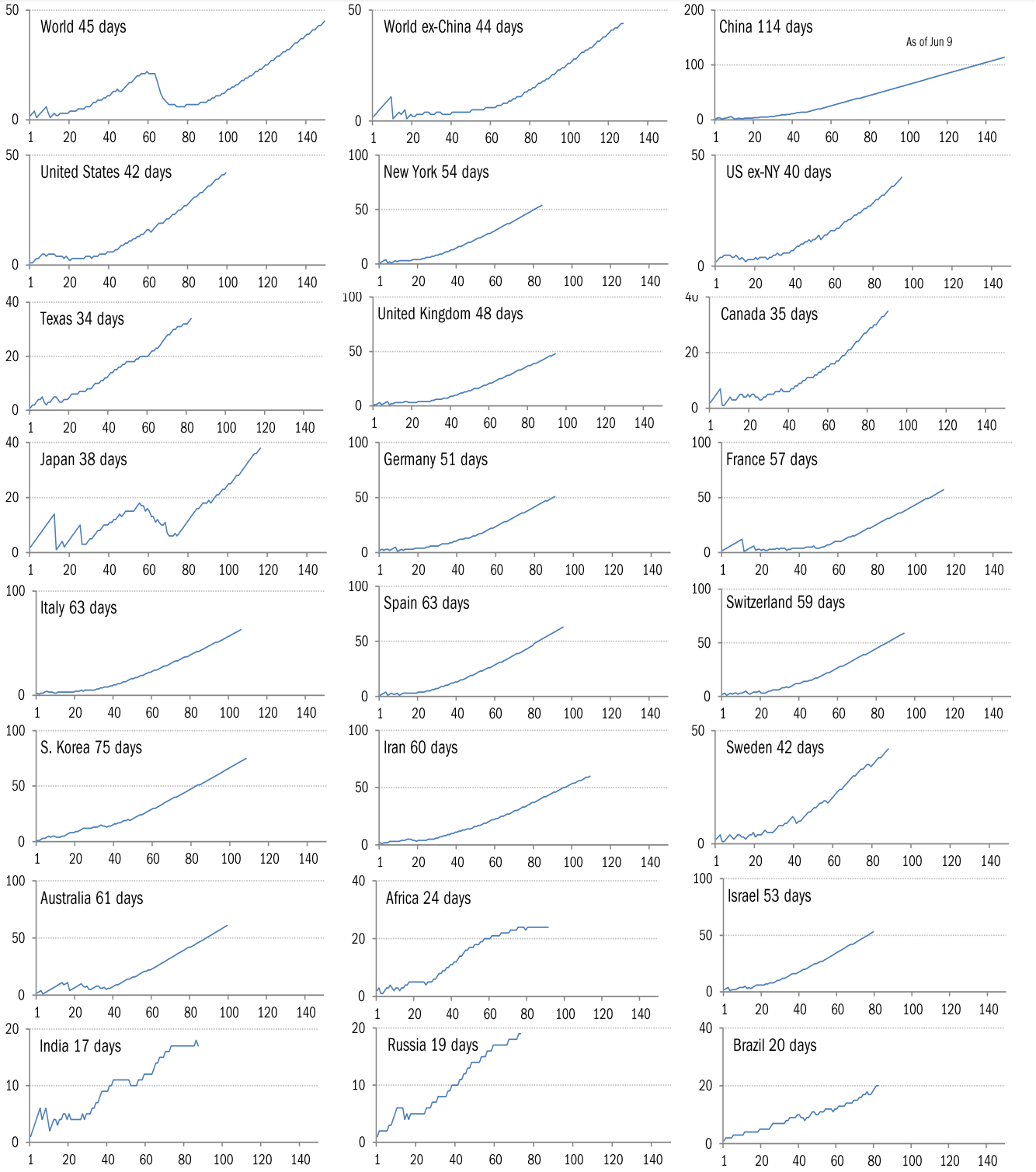
Share of deceased population from day of first fatality



Source: ECDC, TrendMacro calculations

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

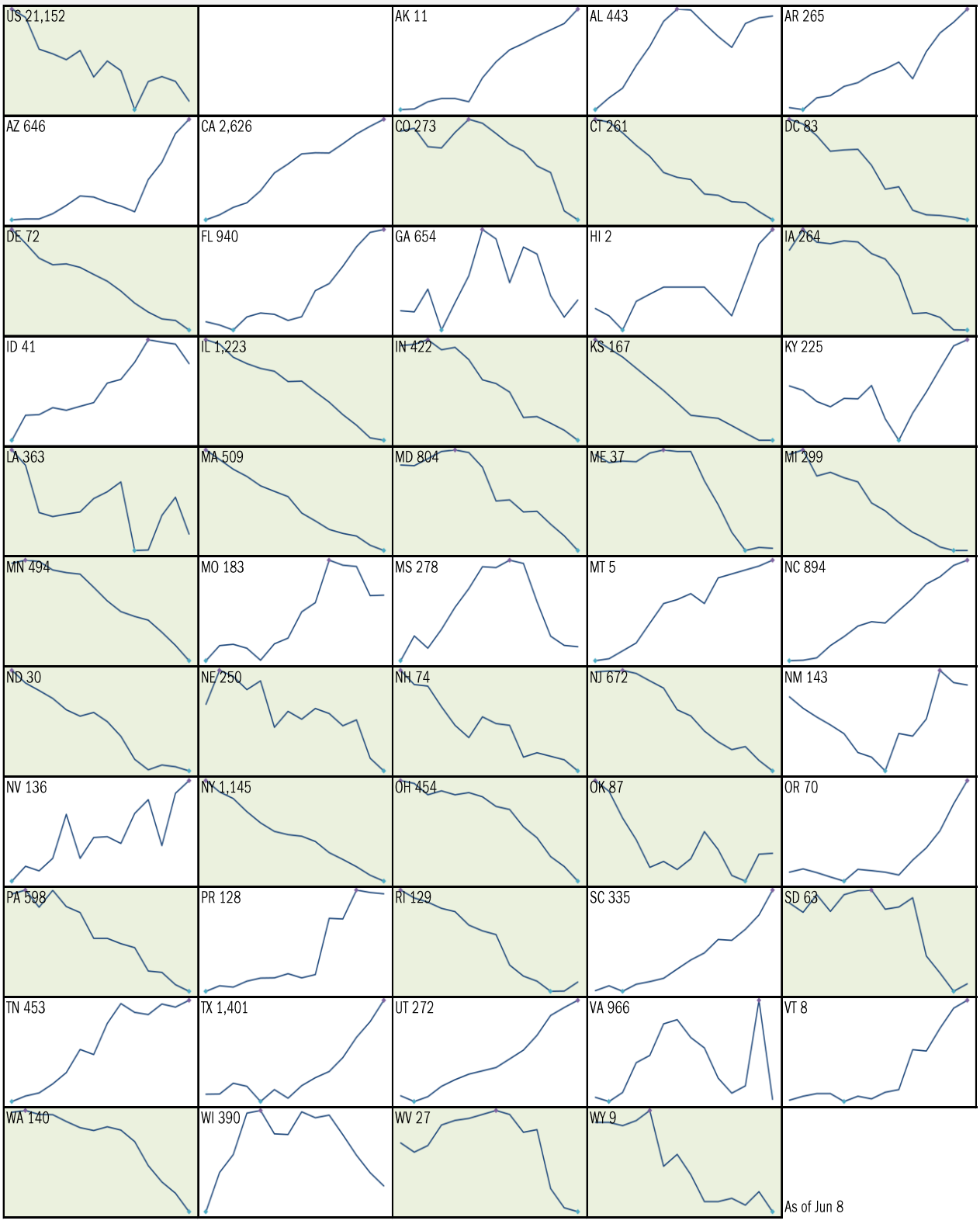
Vertical: number of days it takes to double deaths Horizontal: days from first death



Source: ECDC, TrendMacro calculations

Requirement to Open Up America Again: 14-day "downward trajectory" in new cases

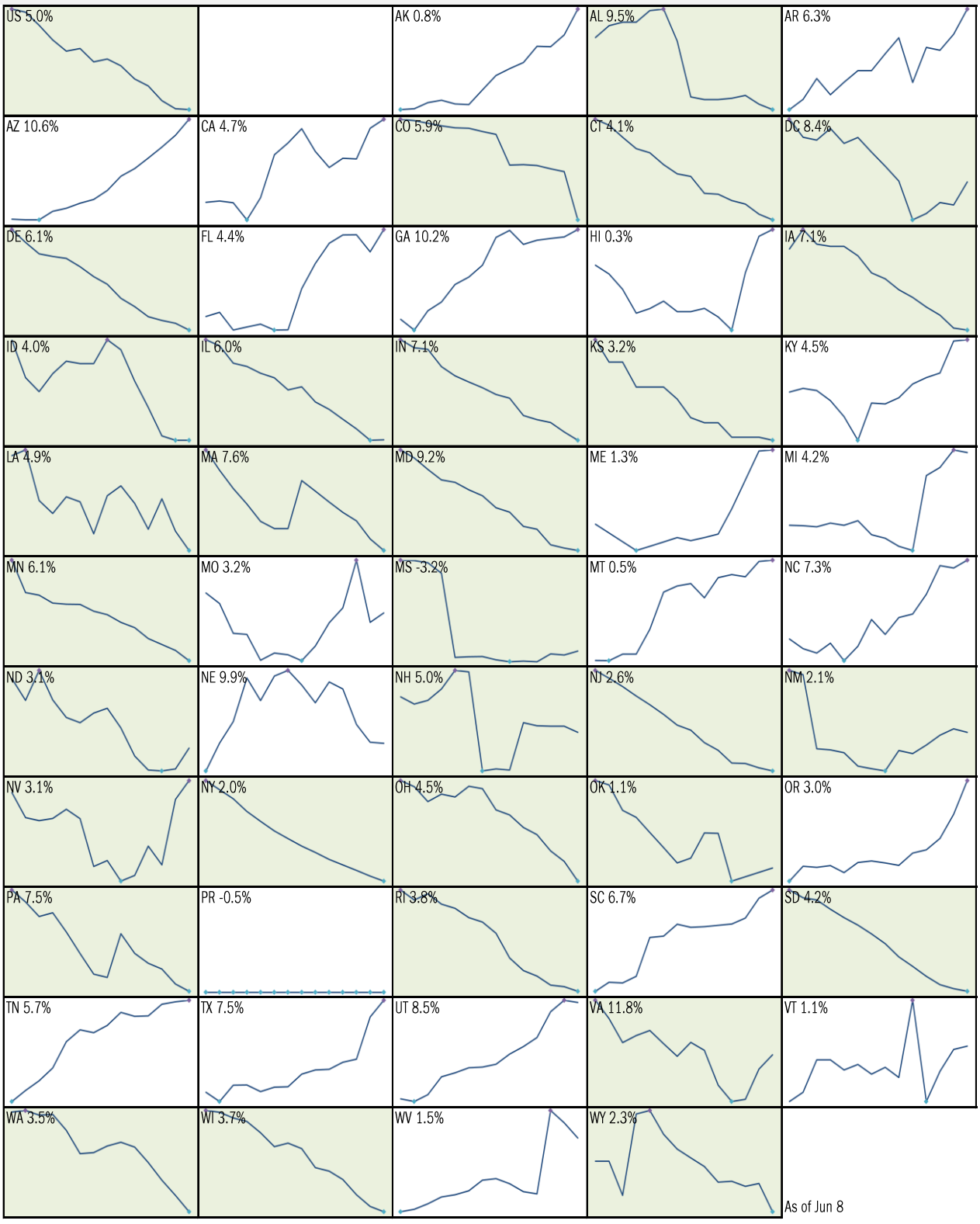
14-day moving average, last 14 days Most recent value displayed • High • Low



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

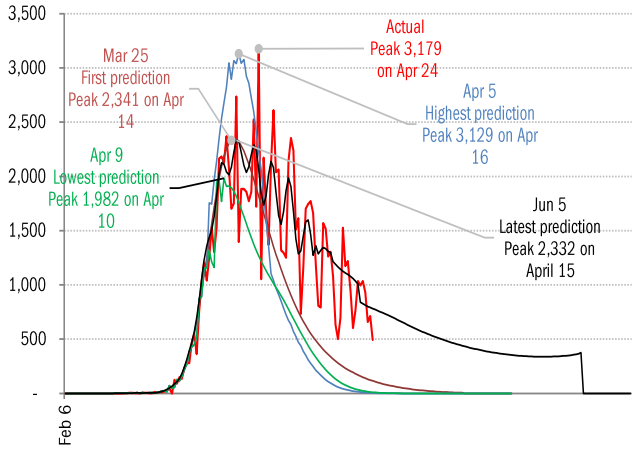


Source: [Covid Tracking Project](), TrendMacro calculations

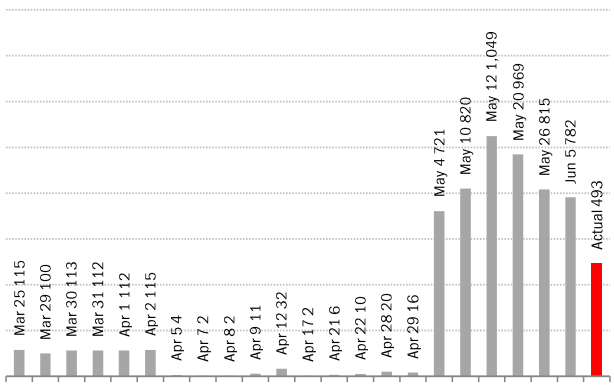
Reality-checking the models: actuals *versus* IHME predictions

New daily fatalities As of Jun 9

Actual versus first, highest and latest model mean predictions

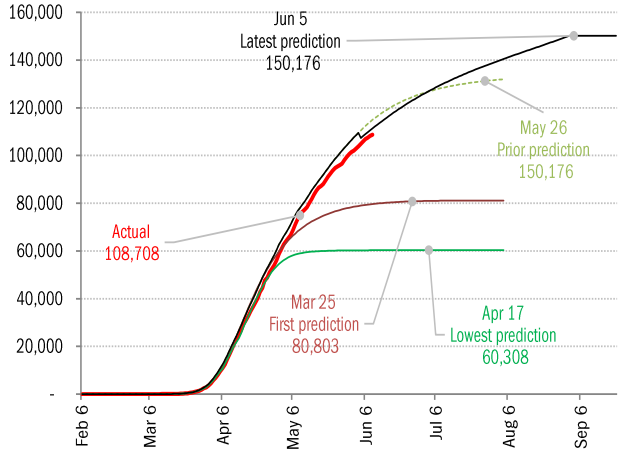


For this day, versus all model mean predictions

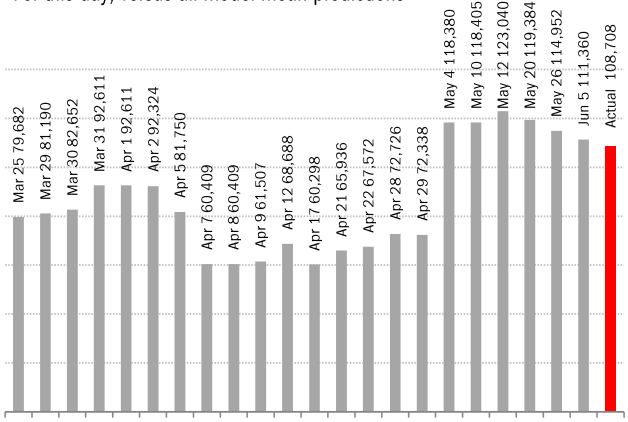


Cumulative fatalities

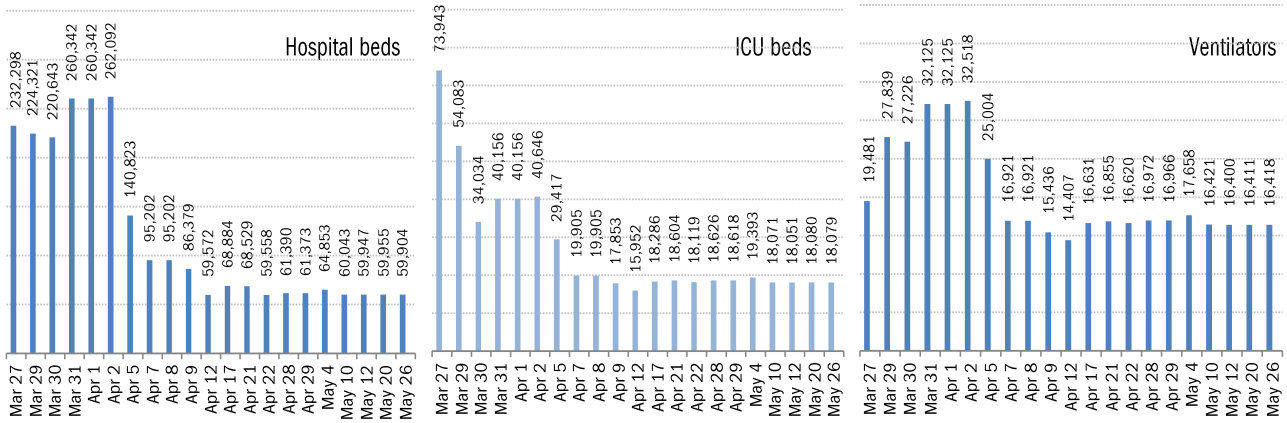
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

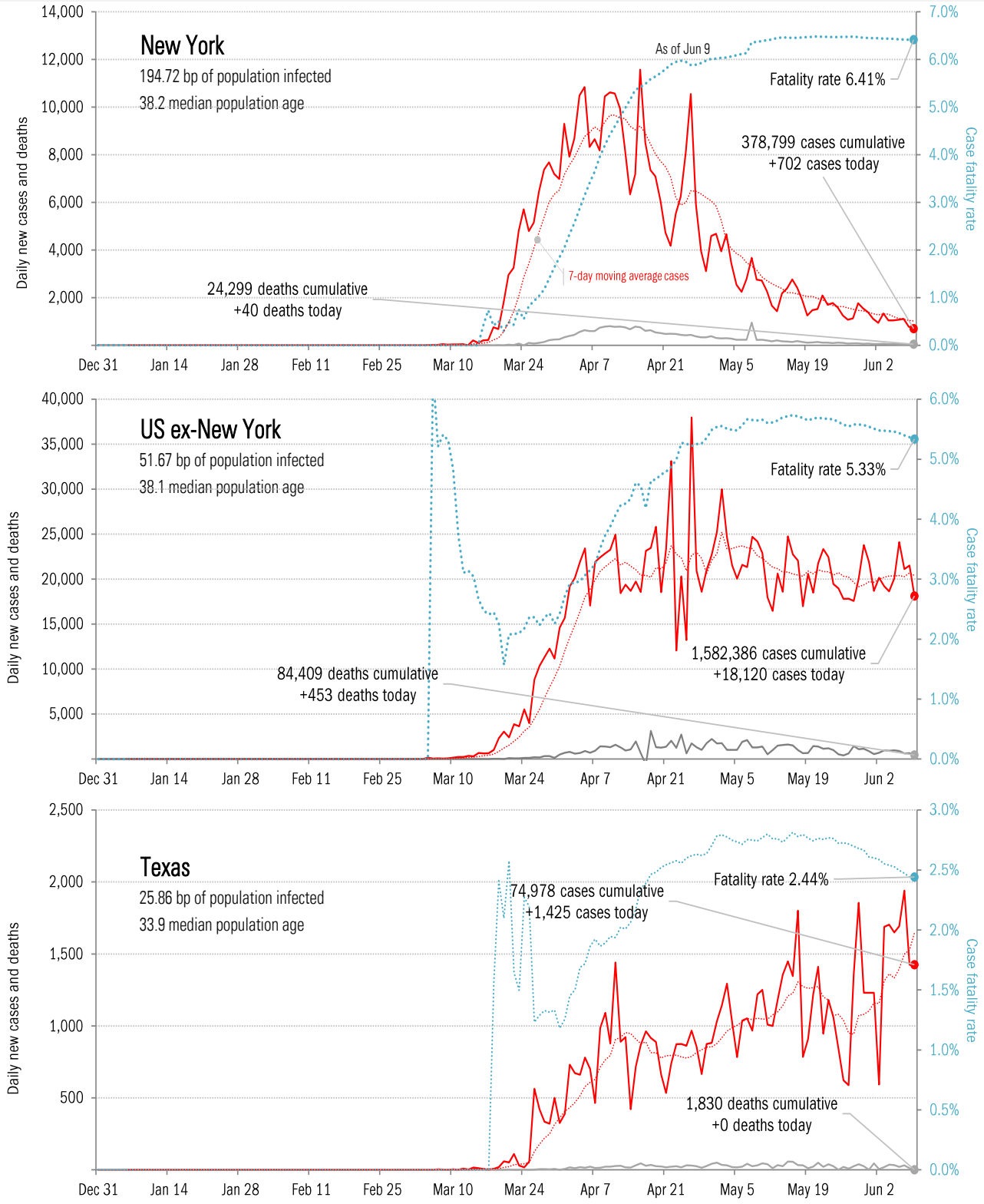


Healthcare system stress, peak estimated at each model revision



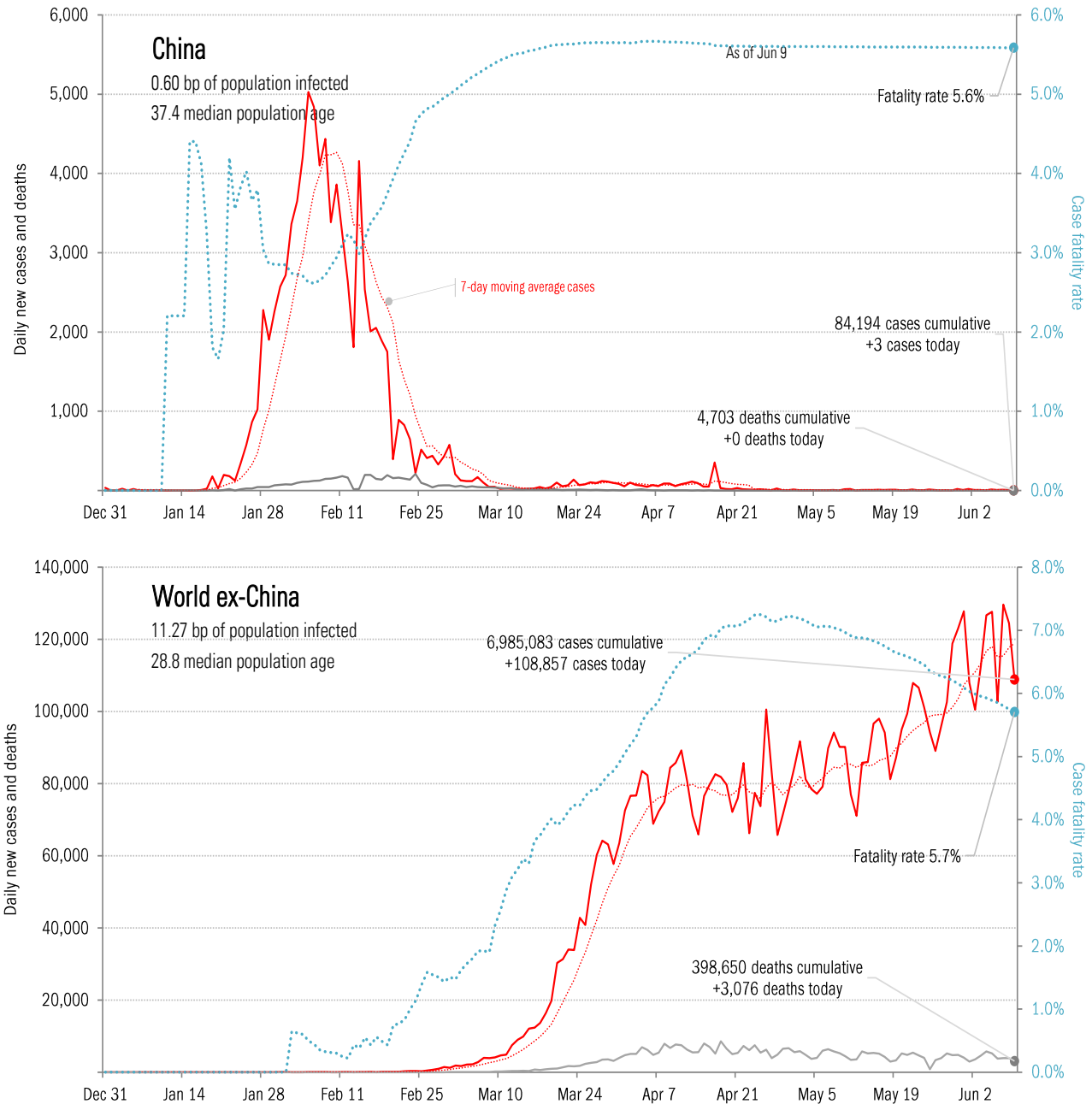
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



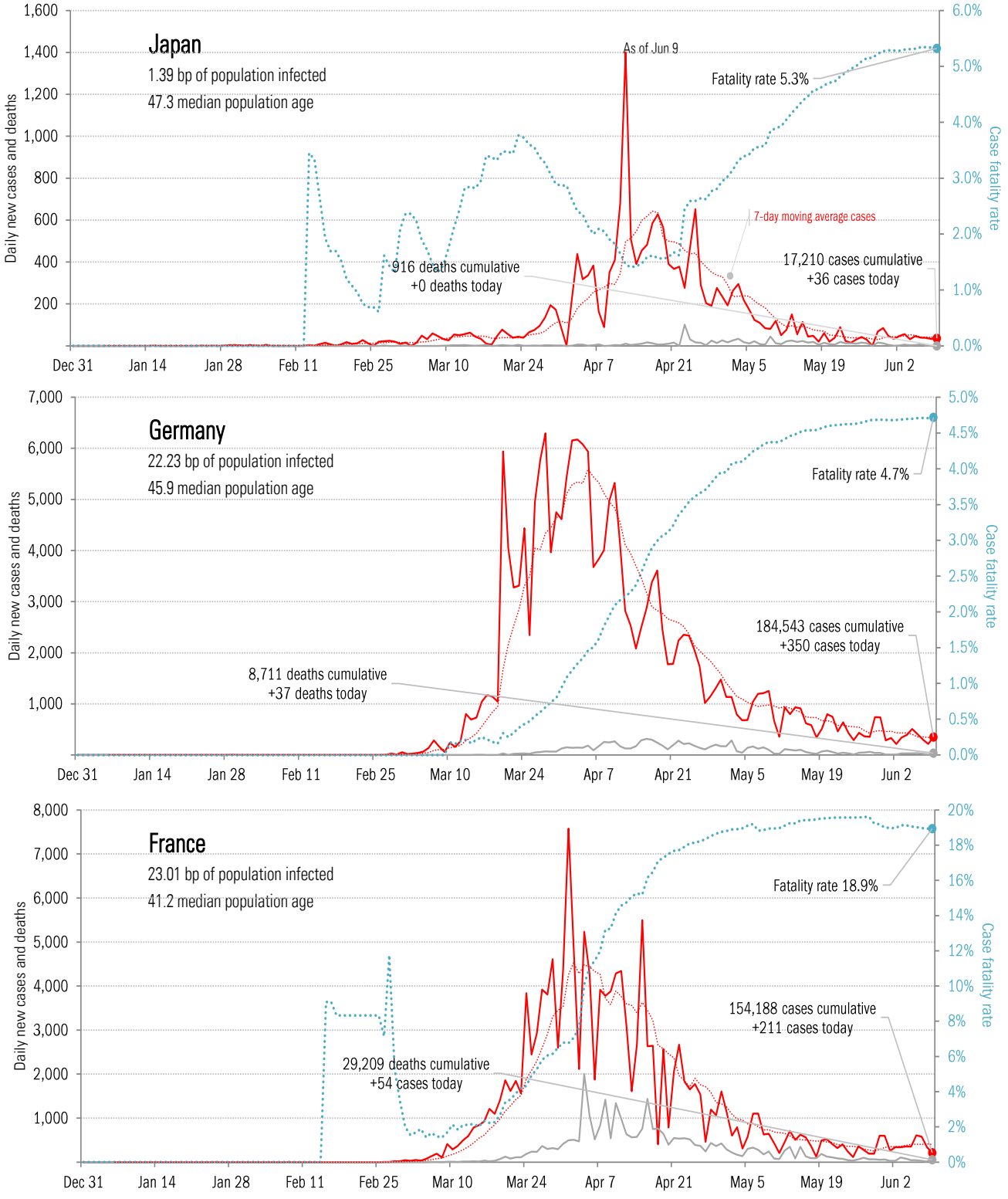
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



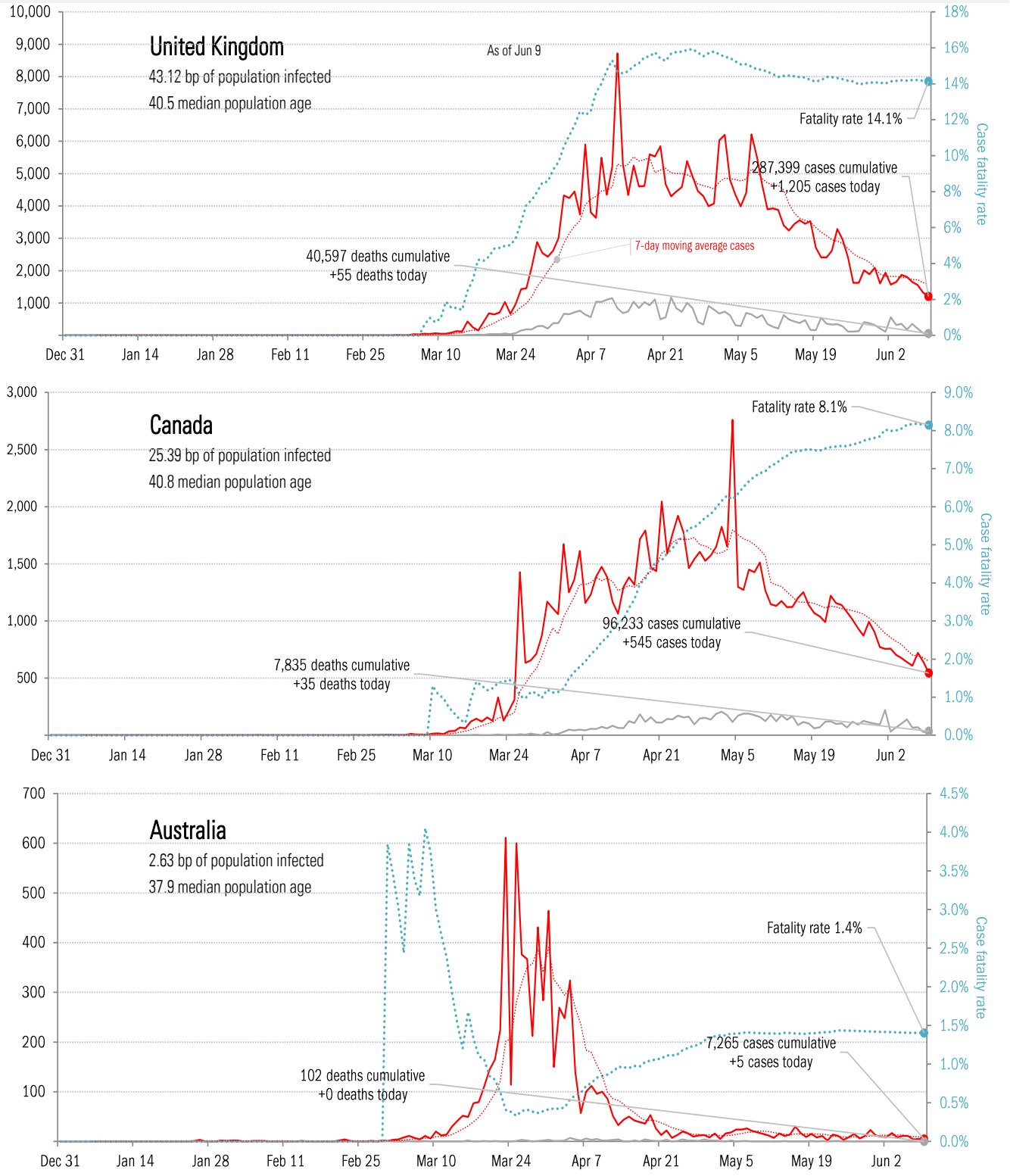
Source: ECDC, TrendMacro calculations

Impact in the largest economies



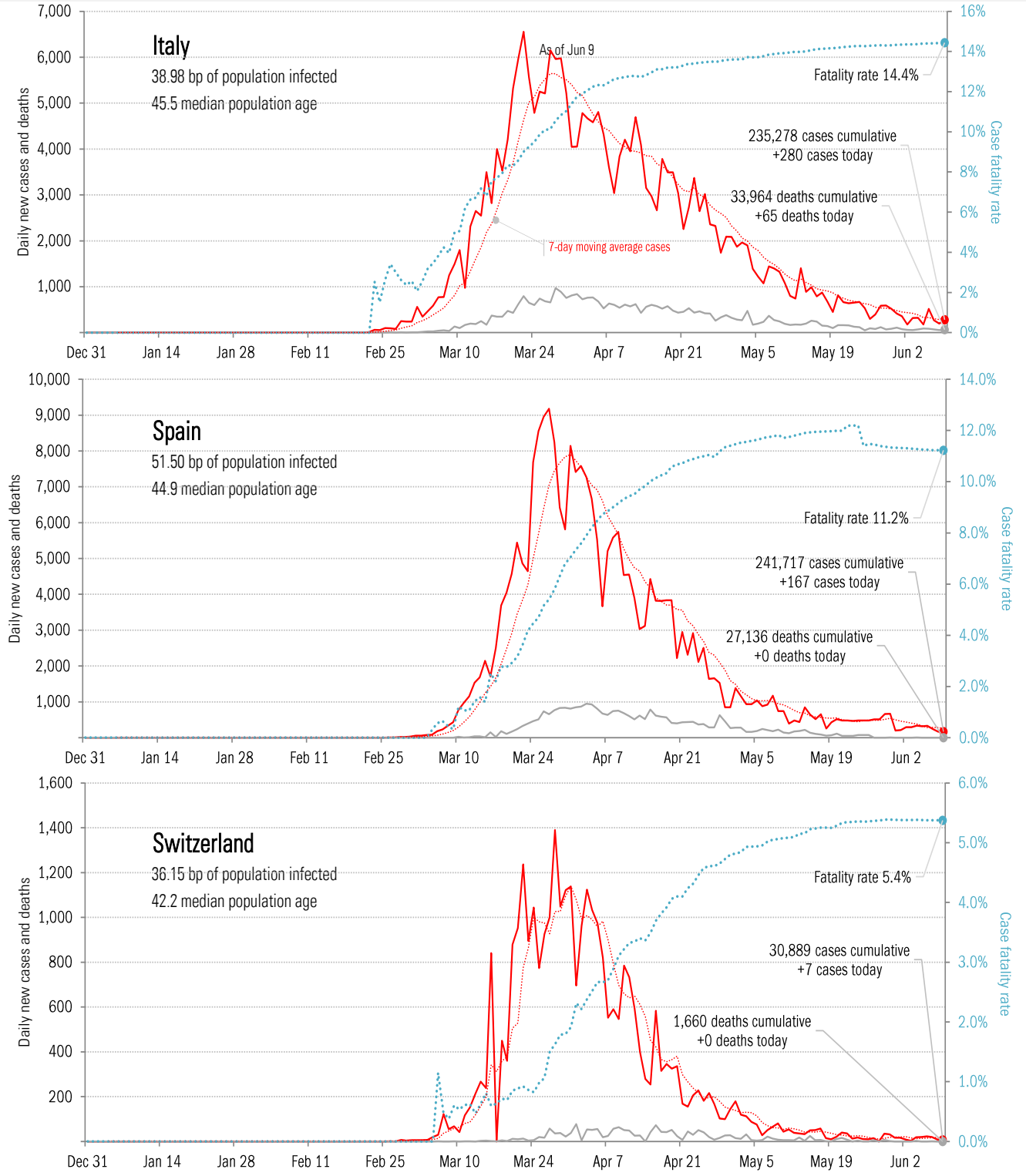
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



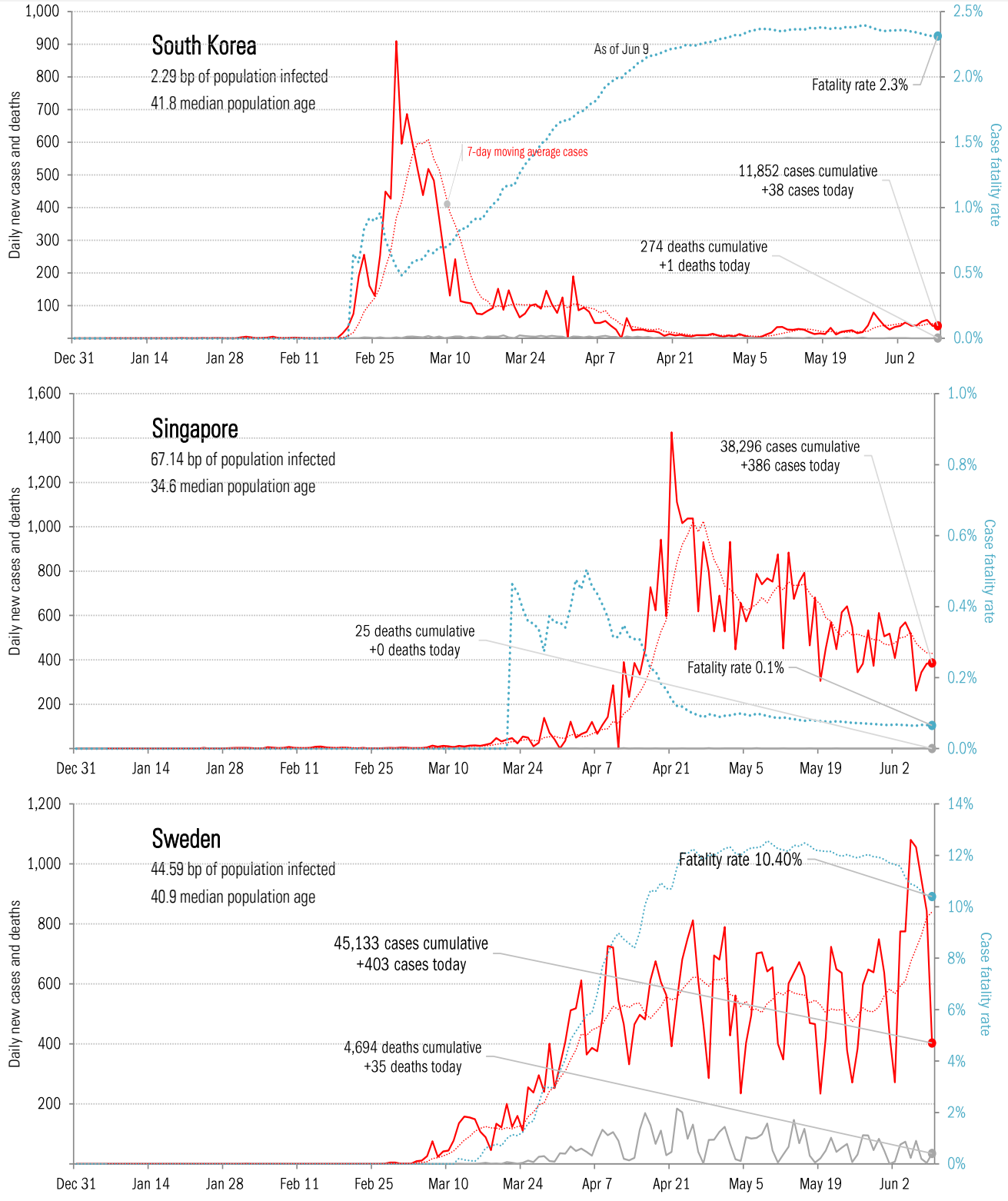
Source: ECDC, TrendMacro calculations

Impact in continental Europe



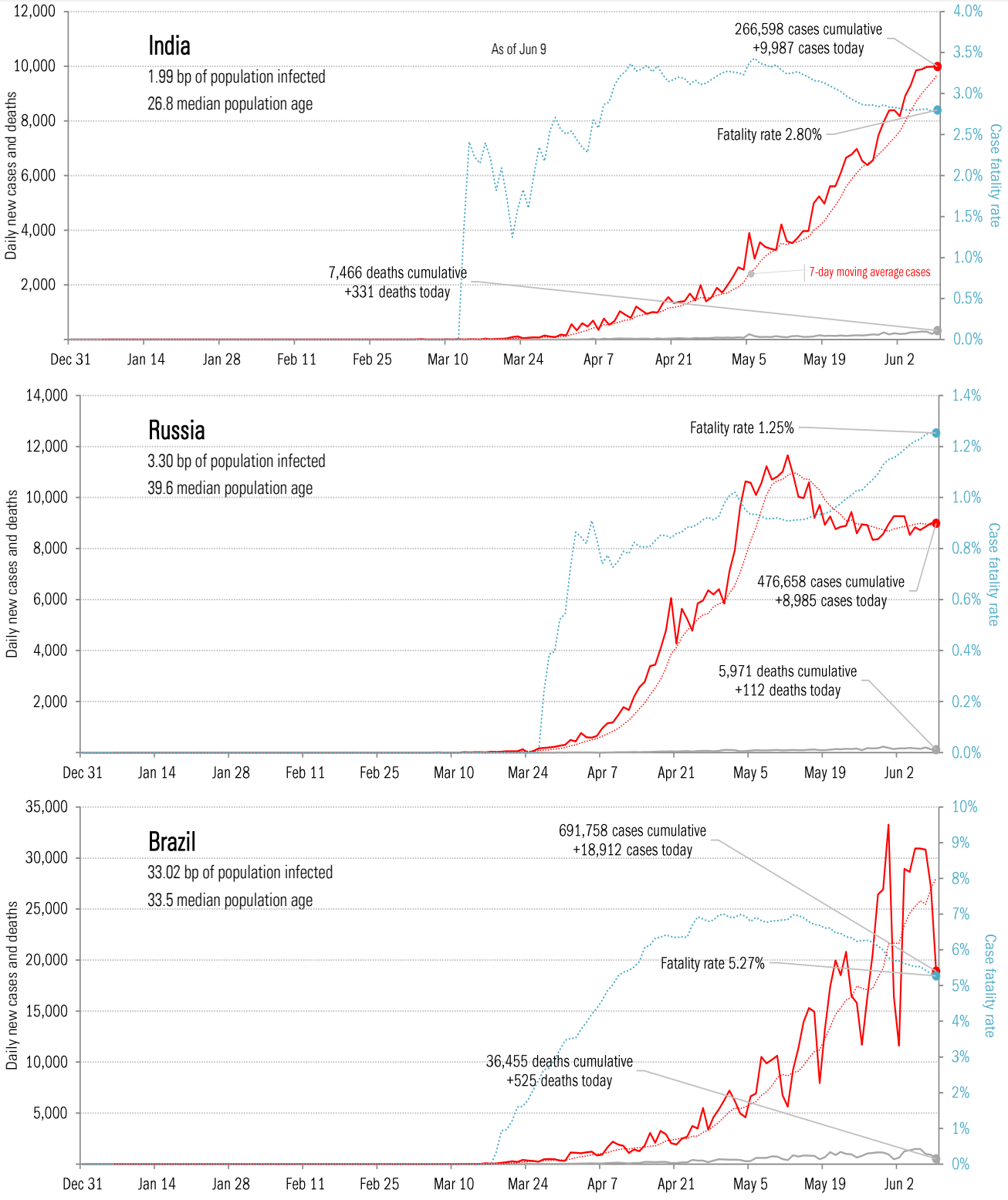
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



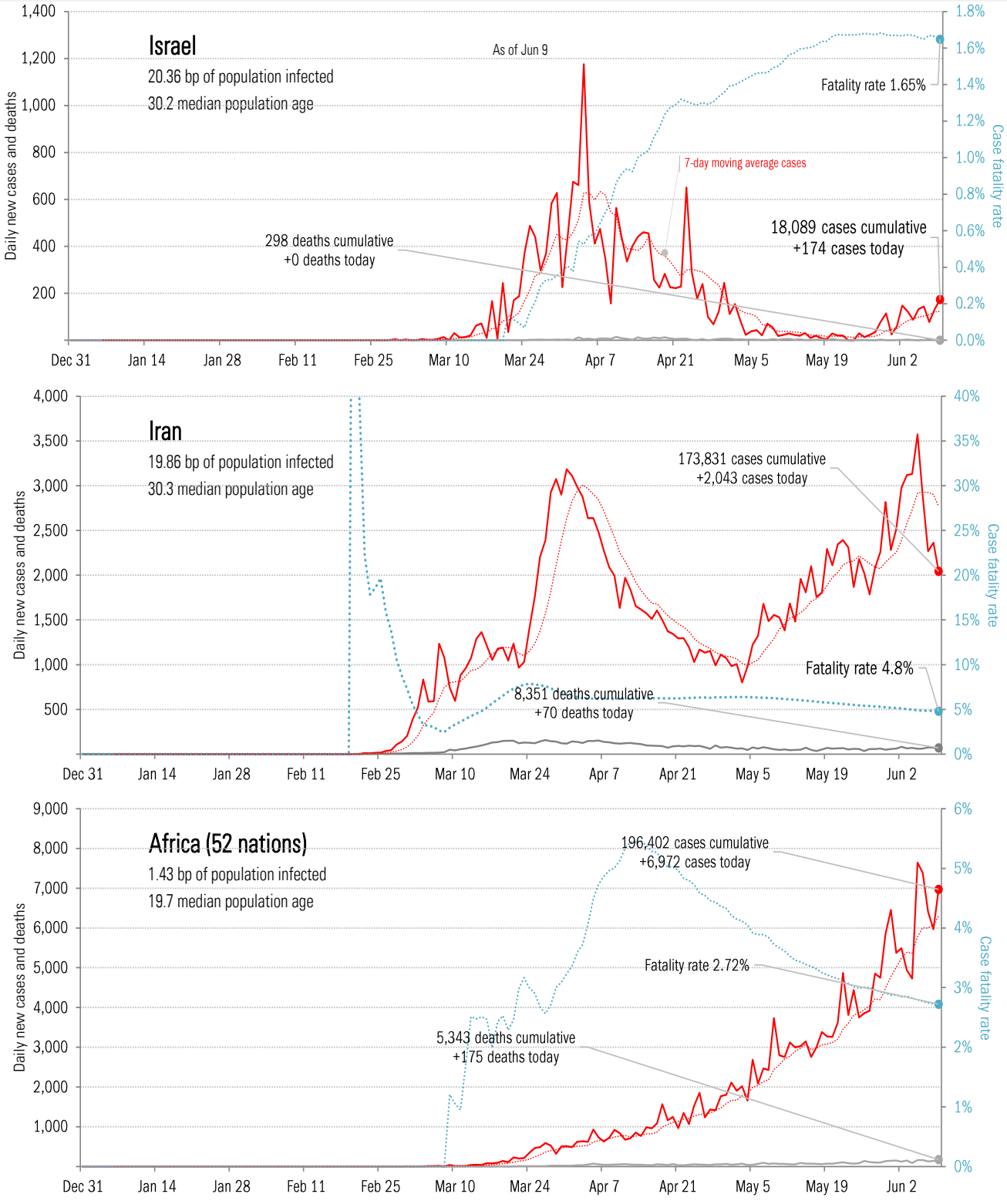
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations