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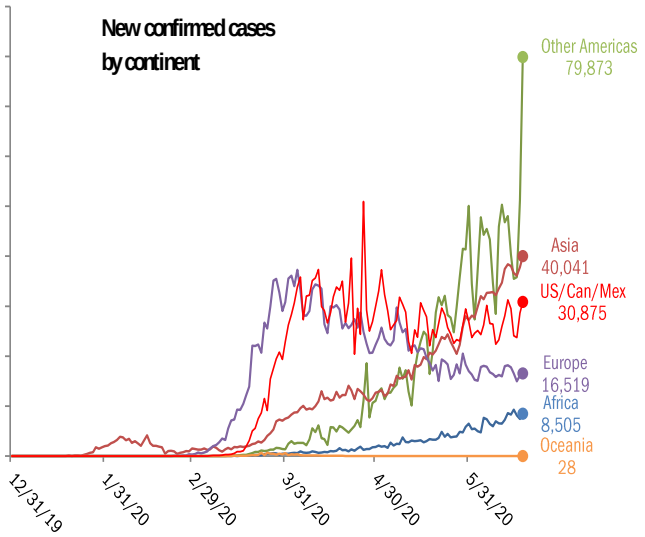
Data Insights: Covid-2019 Monitor

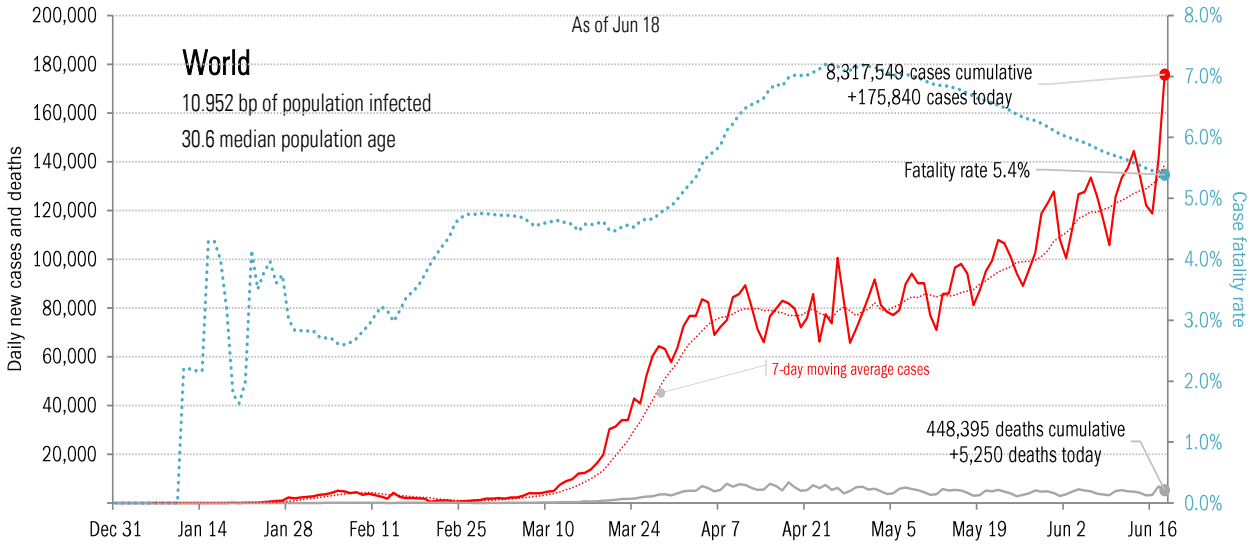
Thursday, June 18, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
Chile	+36,179	Brazil	+1,269
Brazil	+32,188	Mexico	+770
US	+25,559	US	+754
India	+12,881	India	+334
Russia	+7,843	Chile	+232
Pakistan	+5,358	Peru	+201
Mexico	+4,930	Russia	+194
Saudi	+4,919	UK	+184
South_Africa	+4,078	Iran	+120
Bangladesh	+4,008	Pakistan	+118
	+137,943		+4,176
World	+175,840	World	+5,250
Top ten	78%	Top ten	80%





Source: ECDC, TrendMacro calculations

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The US scorecard

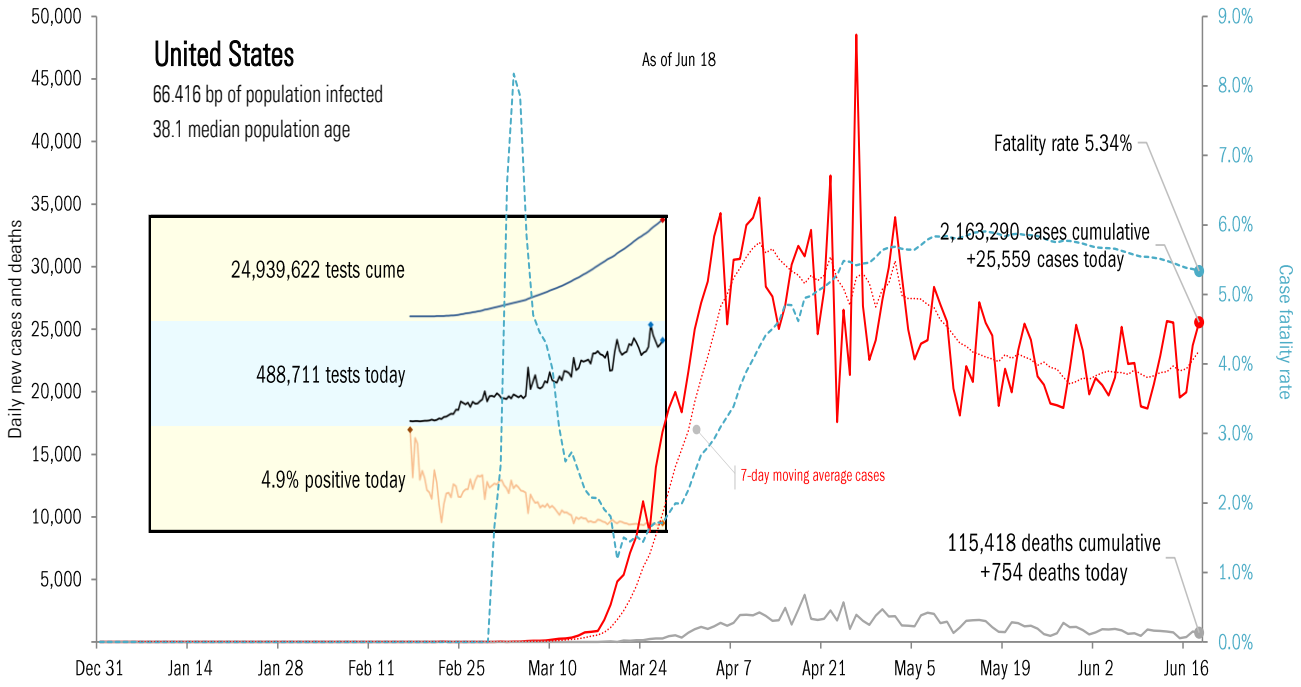
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+3,455	CA	+87	FL	+184	NY	385,142	NY	24,629	NY	89,995
TX	+3,129	IL	+87	NJ	+131	NJ	167,703	NJ	12,769	NJ	19,010
FL	+2,610	MA	+69	VA	+122	CA	157,015	MA	7,734	FL	12,673
AZ	+1,827	GA	+46	GA	+89	IL	135,046	IL	6,666	MA	10,925
NC	+1,002	PA	+43	MA	+58	MA	106,151	PA	6,319	MD	10,309
GA	+952	NJ	+42	AZ	+53	TX	96,335	MI	6,036	CT	9,912
LA	+928	TX	+33	MD	+47	FL	82,719	CA	5,208	GA	9,543
NY	+567	IN	+28	IN	+45	PA	79,818	CT	4,219	VA	8,367
SC	+566	MO	+27	OH	+44	MI	66,497	FL	3,110	OH	7,051
MD	+560	FL	+25	MS	+39	MD	62,969	LA	3,062	IN	6,526
	+15,596		+487		+812		1,339,395		79,752		184,311
All states	+23,885	All states	+782	All states	+1,168	All states	2,150,932	All states	111,477	All states	228,094
Top ten	65%	Top ten	62%	Top ten	70%	Top ten	62%	Top ten	72%	Top ten	81%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-969	FL	-30	SC	-67	AL	+2,466
AZ	-565	NC	-22	NM	-49	TX	+1,687
TN	-357	MD	-21	GA	-43	AR	+644
OR	-342	MI	-15	CO	-22	IN	+578
AL	-240	TX	-13	OR	-20	TN	+572



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

Recommended reading

[Why Acting Fast Is the Key to Beating a Second Wave of Covid-19]
Chloe Whiteaker, Adrian Leung and Jeremy Scott Diamond
Bloomberg
June 16, 2020

[Dr. Fauci's recurring disease 'nightmares' often don't materialize]
Michael Fumento
Just the News
June 13, 2020

[“Fire Through Dry Grass”: Andrew Cuomo Saw COVID-19’s Threat to Nursing Homes. Then He Risked Adding to It.]
Joaquin Sapien and Joe Sexton
Pro Publica
June 16, 2020

[Covid-19: Low dose steroid cuts death in ventilated patients by one third, trial finds]
Elisabeth Mahase
BMJ
June 16, 2020

[Statement to Congress Supporting Additional Economic Relief]
Ben Bernanke, Heather Boushey and Cecilia Rouse
Washington Center for Equitable Growth
June 16, 2020

[Promoting Economic Recovery After COVID-19]
Jason Furman, Timothy Geithner, Glenn Hubbard, and Melissa S. Kearney
Aspen Institute Economic Strategy Group
June 16, 2020

[Trump administration wants to replace $600 unemployment benefit with back-to-work bonus]
Greg Iacurci
CNBC
June 16, 2020

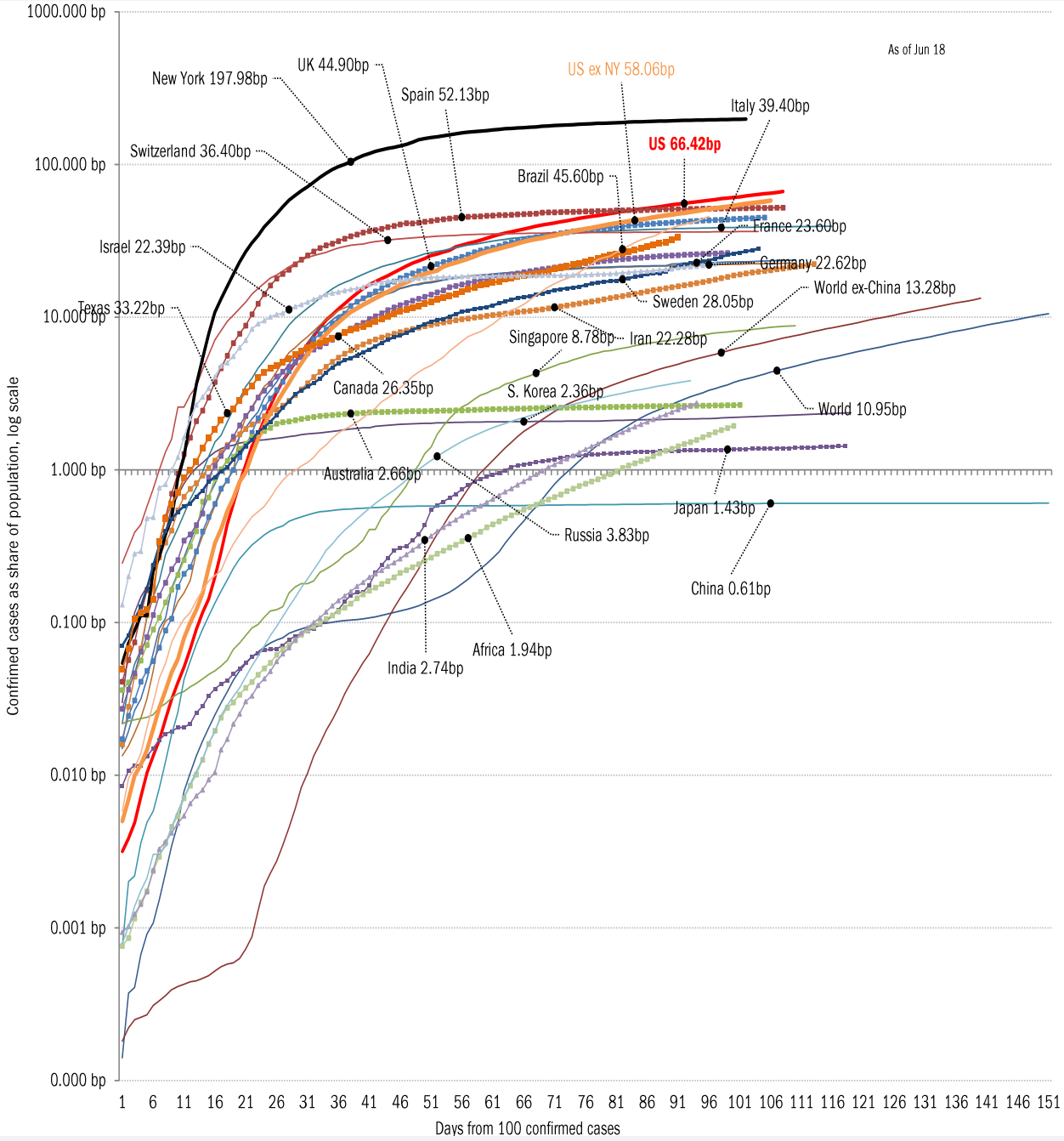
[Anthony Fauci calls for action to prevent coronavirus ‘surge’]
Hannah Kuchler
Financial Times
June 17, 2020

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

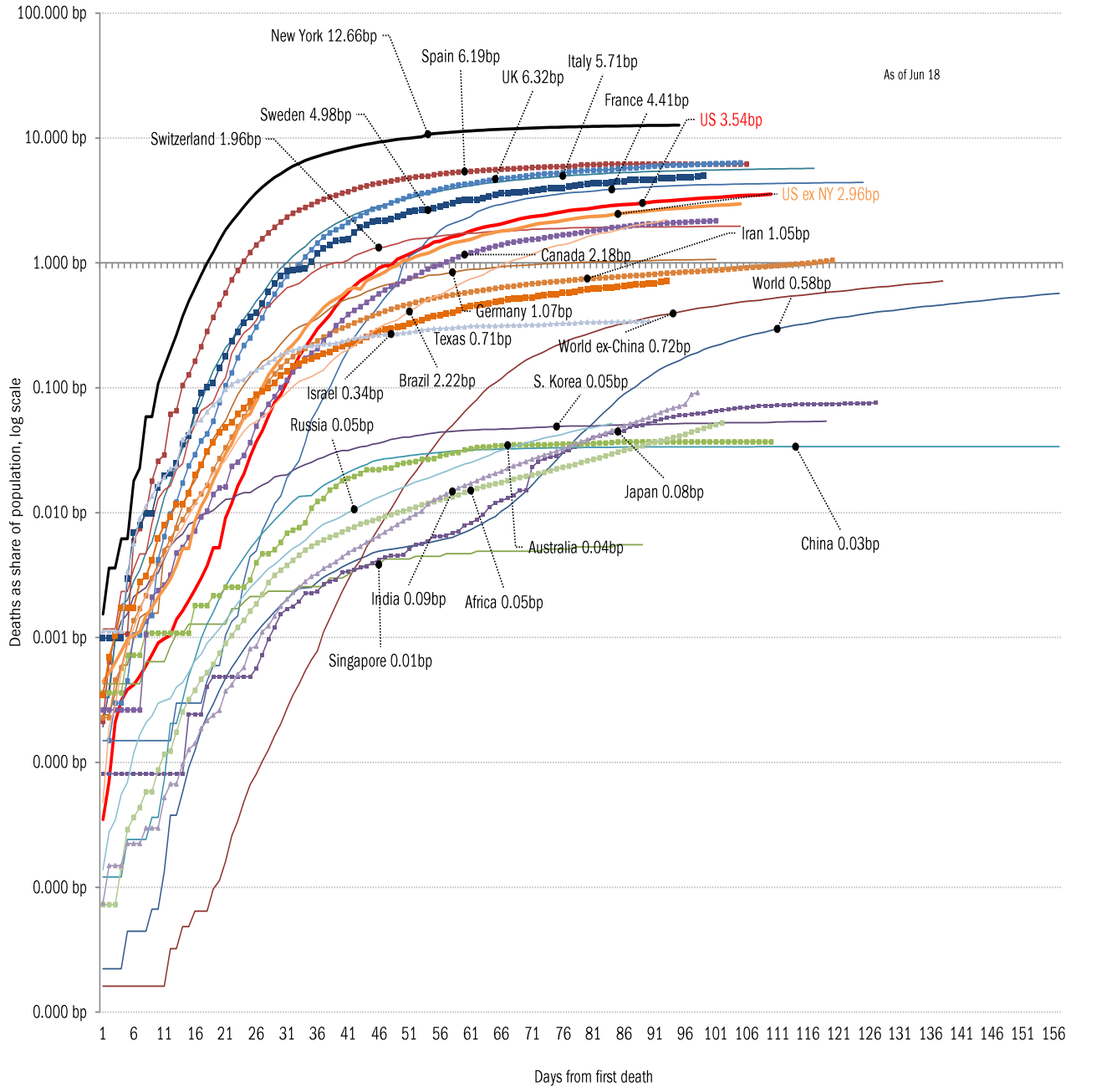
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

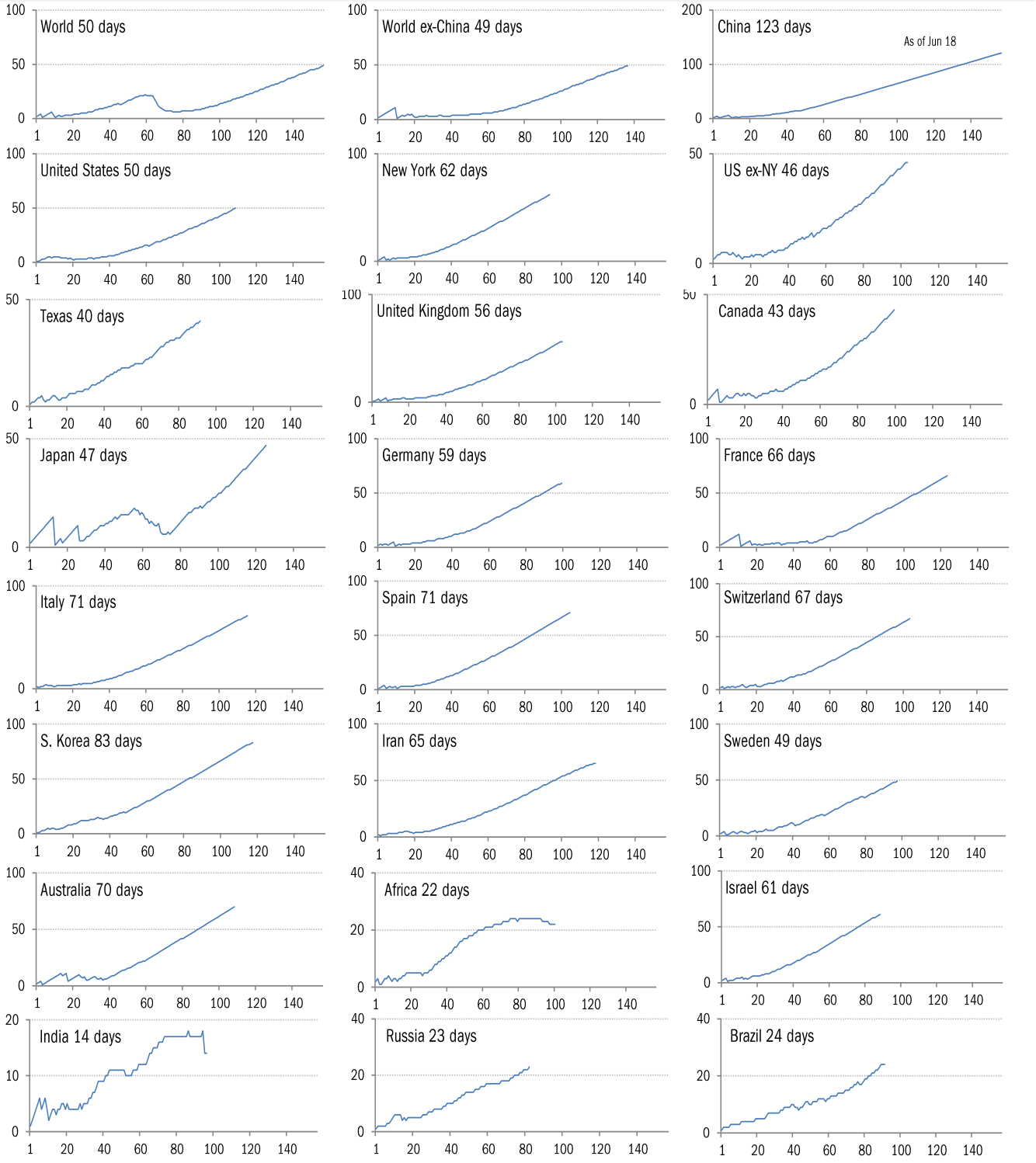
Share of deceased population from day of first fatality



Source: ECDC, TrendMacro calculations

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

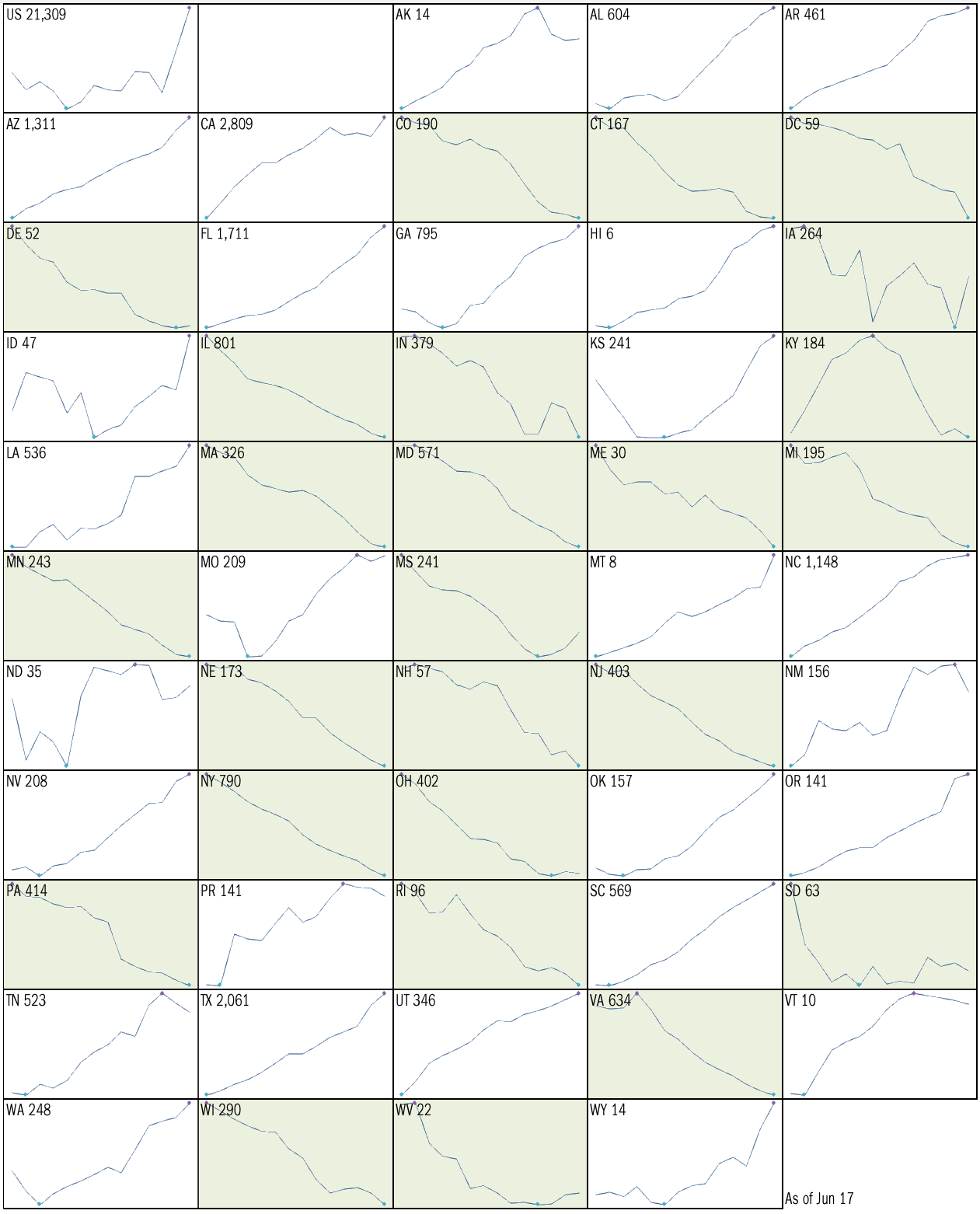
Vertical: number of days it takes to double deaths Horizontal: days from first death



Source: ECDC, TrendMacro calculations

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

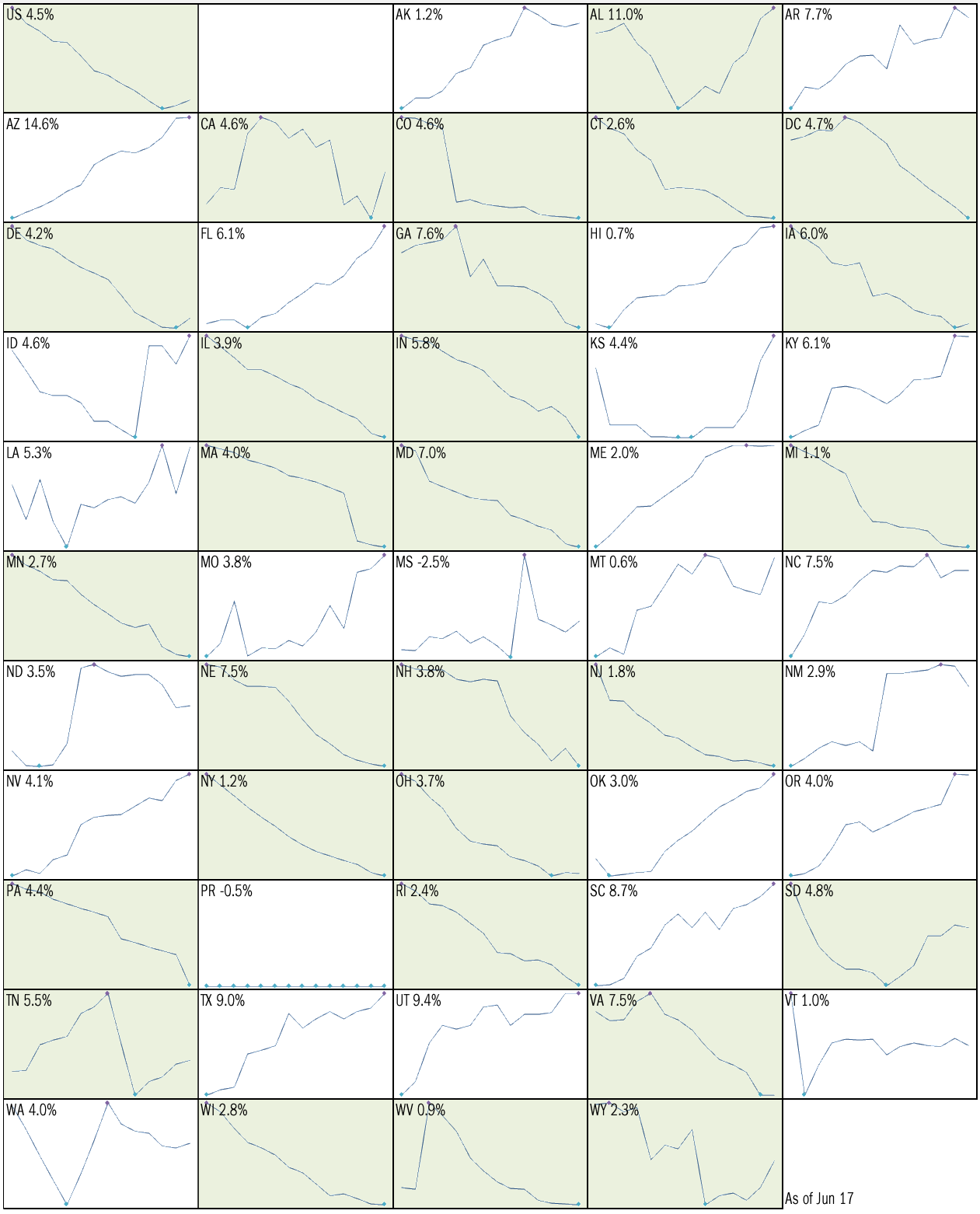
14-day moving average, last 14 days Most recent value displayed ● High ● Low



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

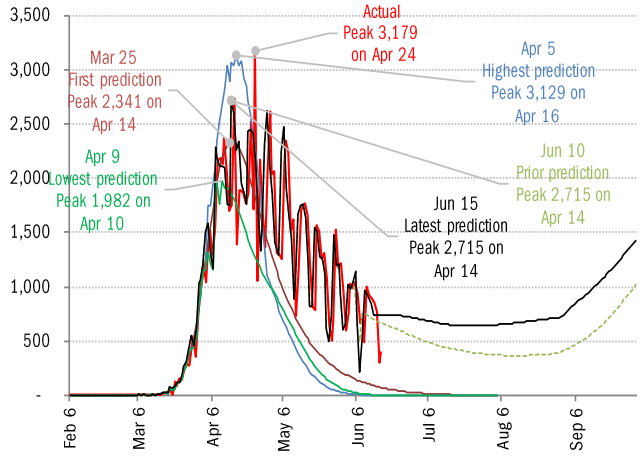


Source: [Covid Tracking Project](), TrendMacro calculations

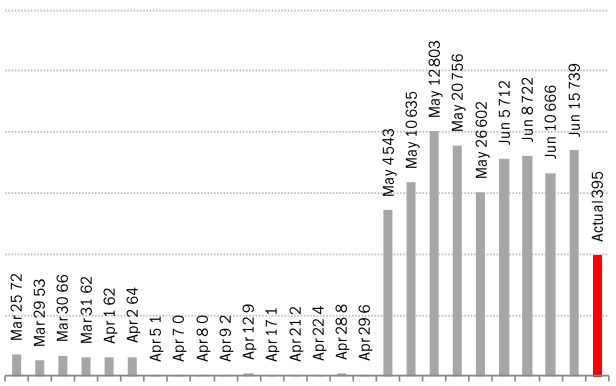
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Jun 16

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

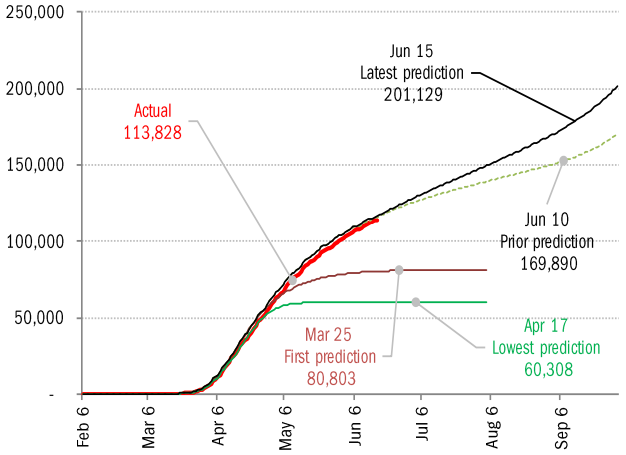


For this day, versus all model mean predictions

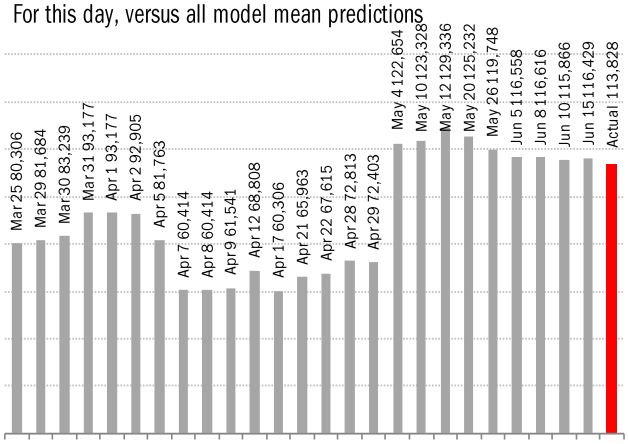


Cumulative fatalities

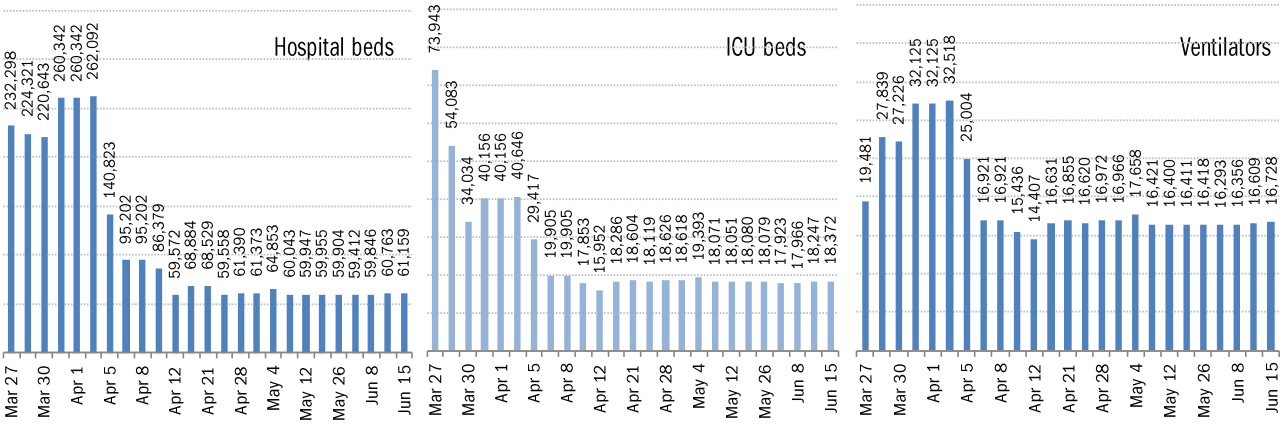
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

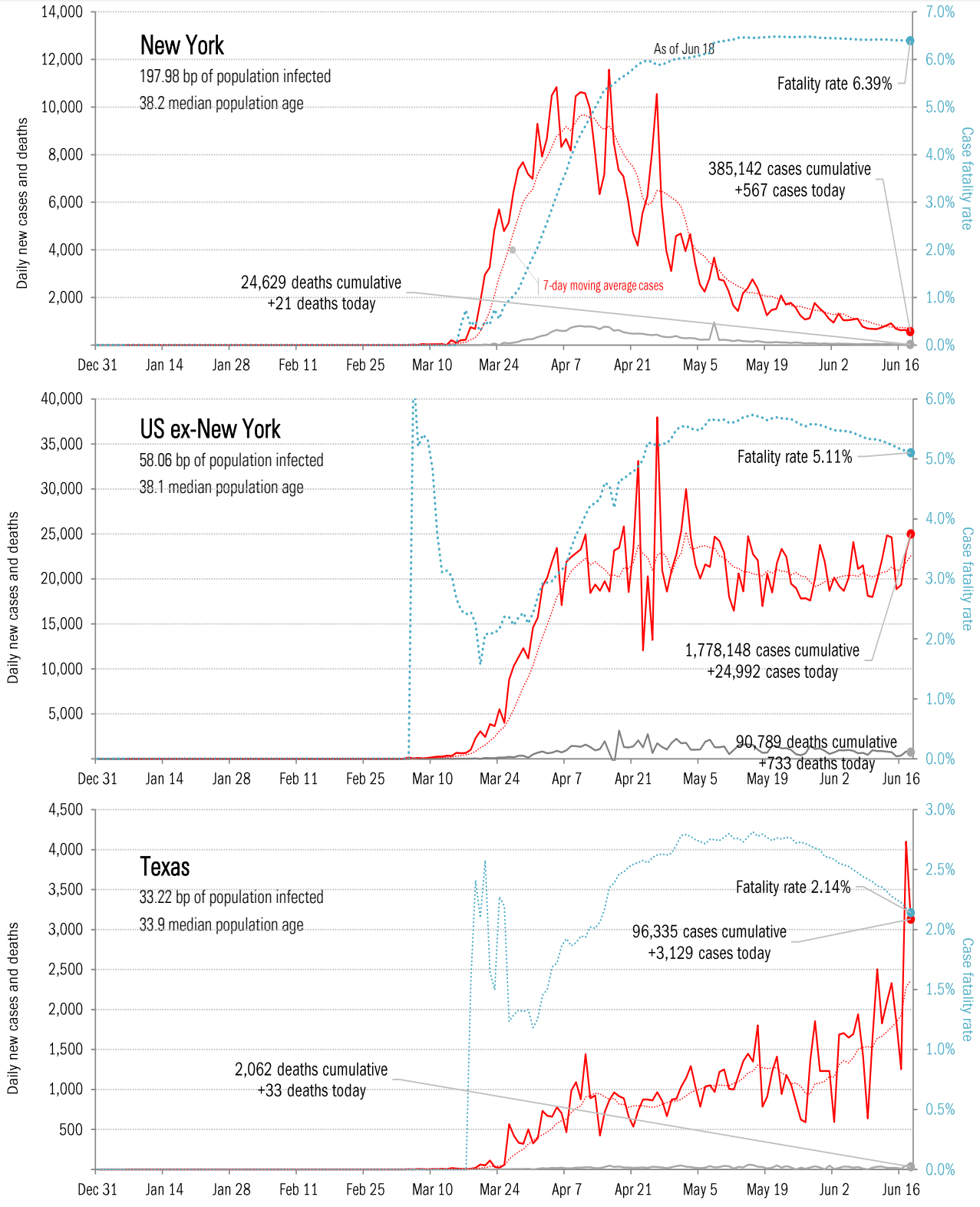


Healthcare system stress, peak estimated at each model revision



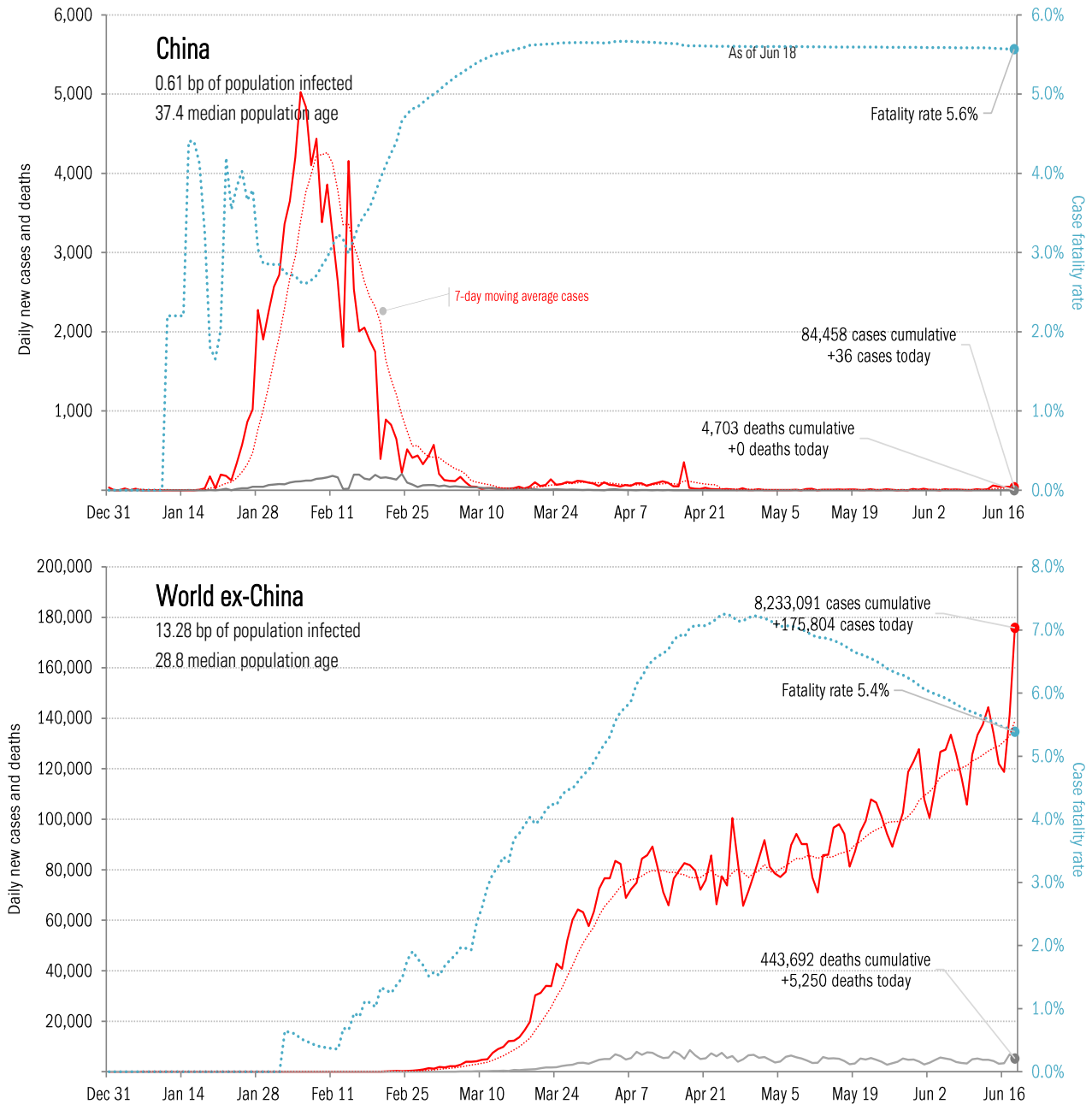
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



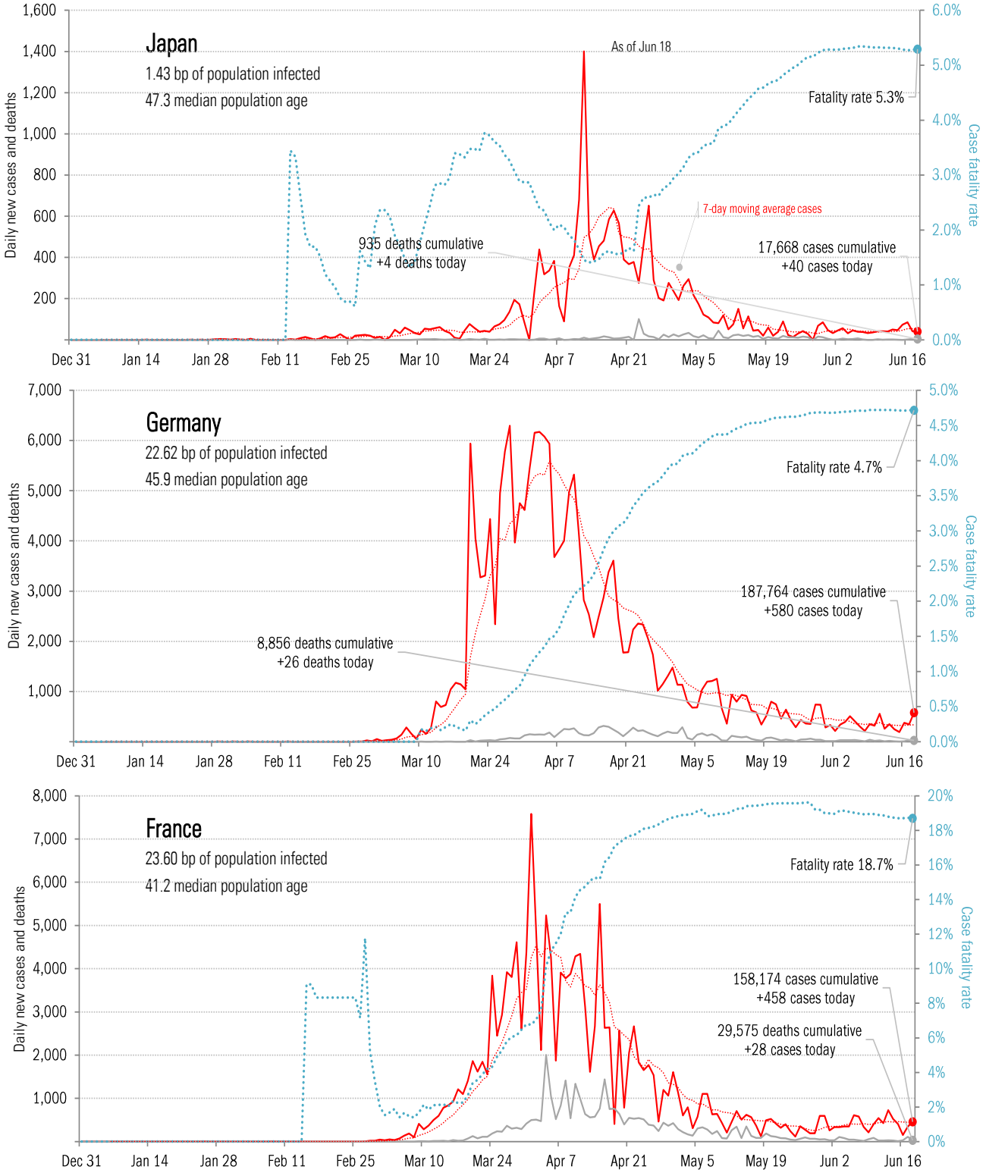
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



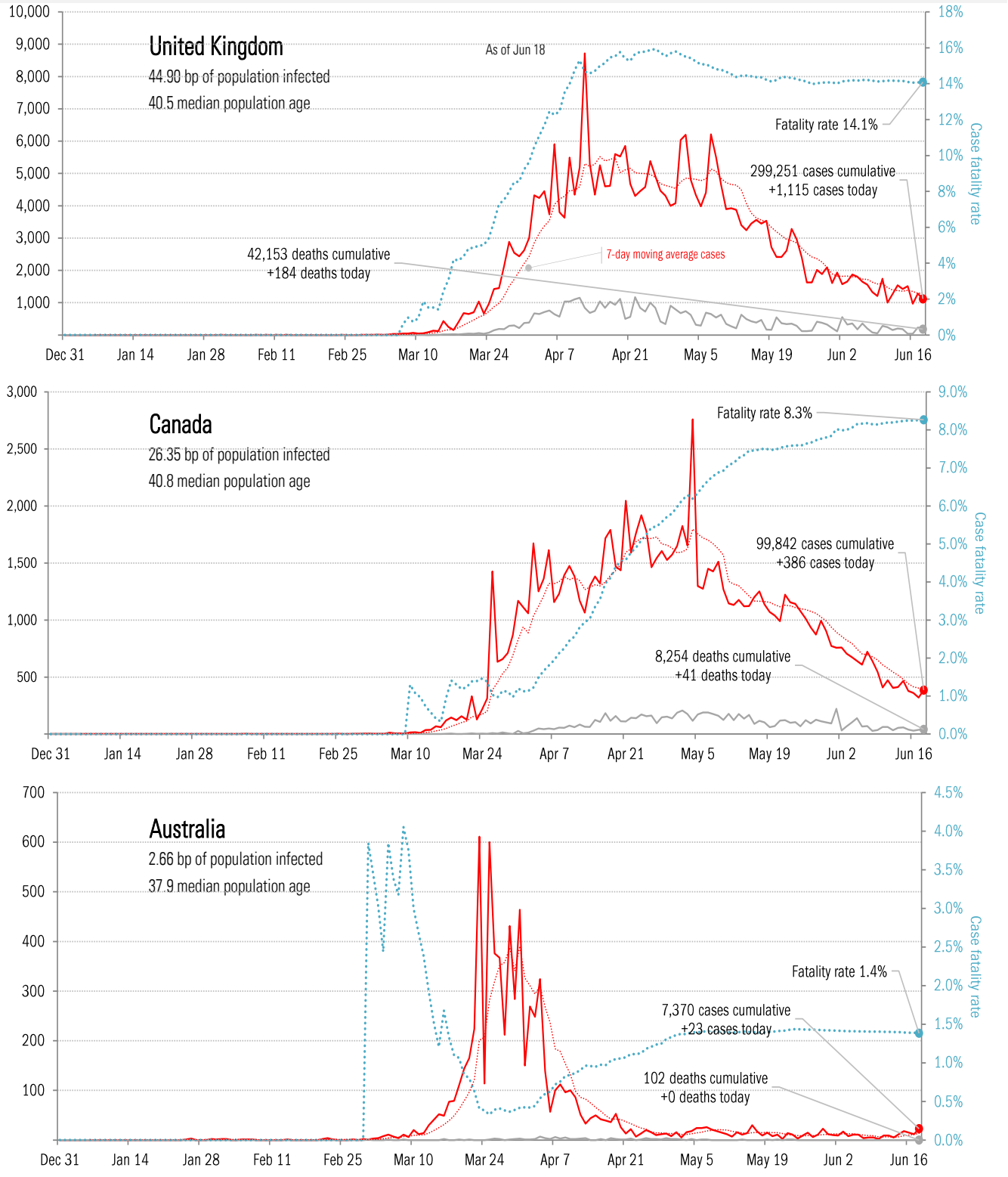
Source: ECDC, TrendMacro calculations

Impact in the largest economies



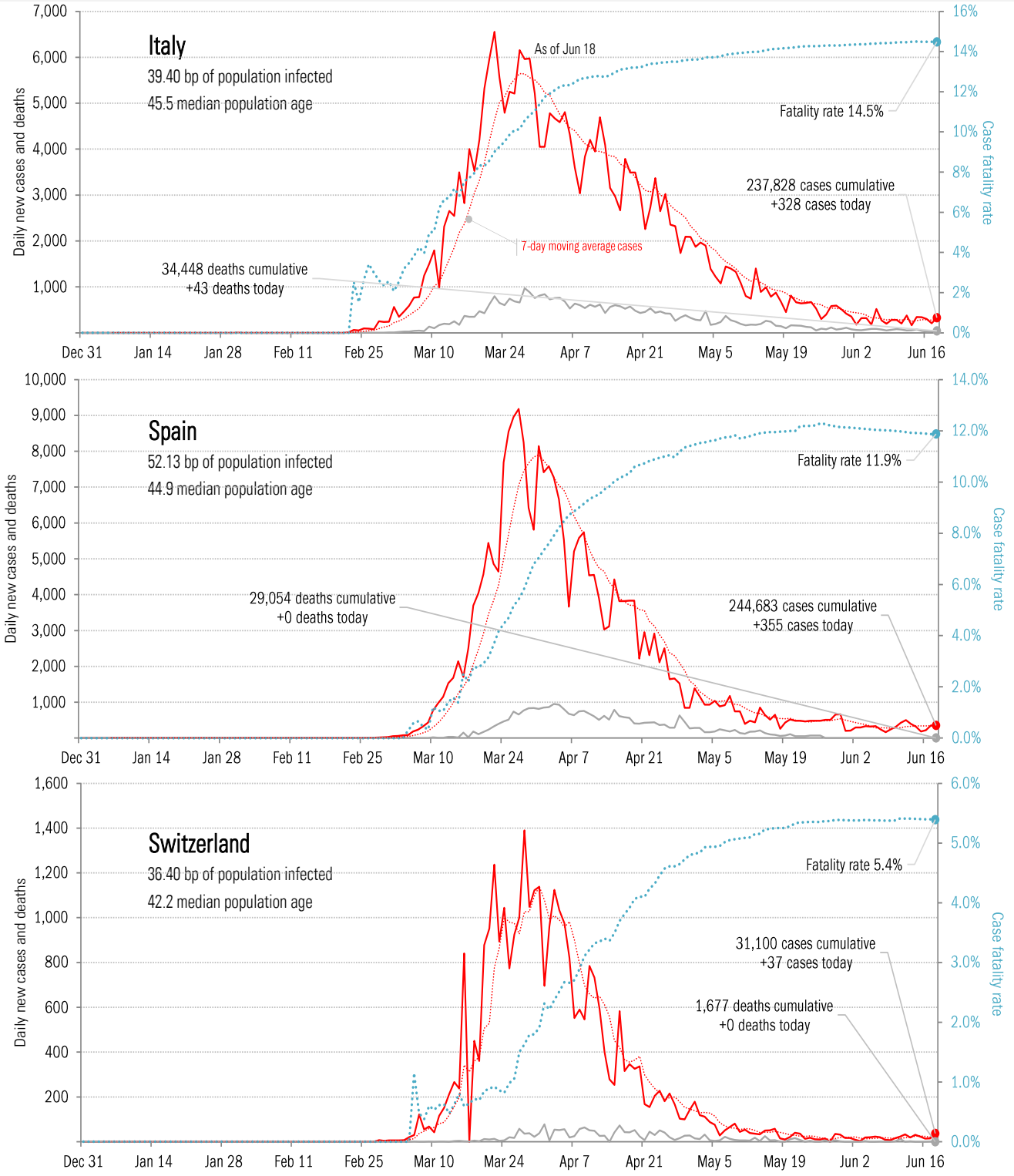
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



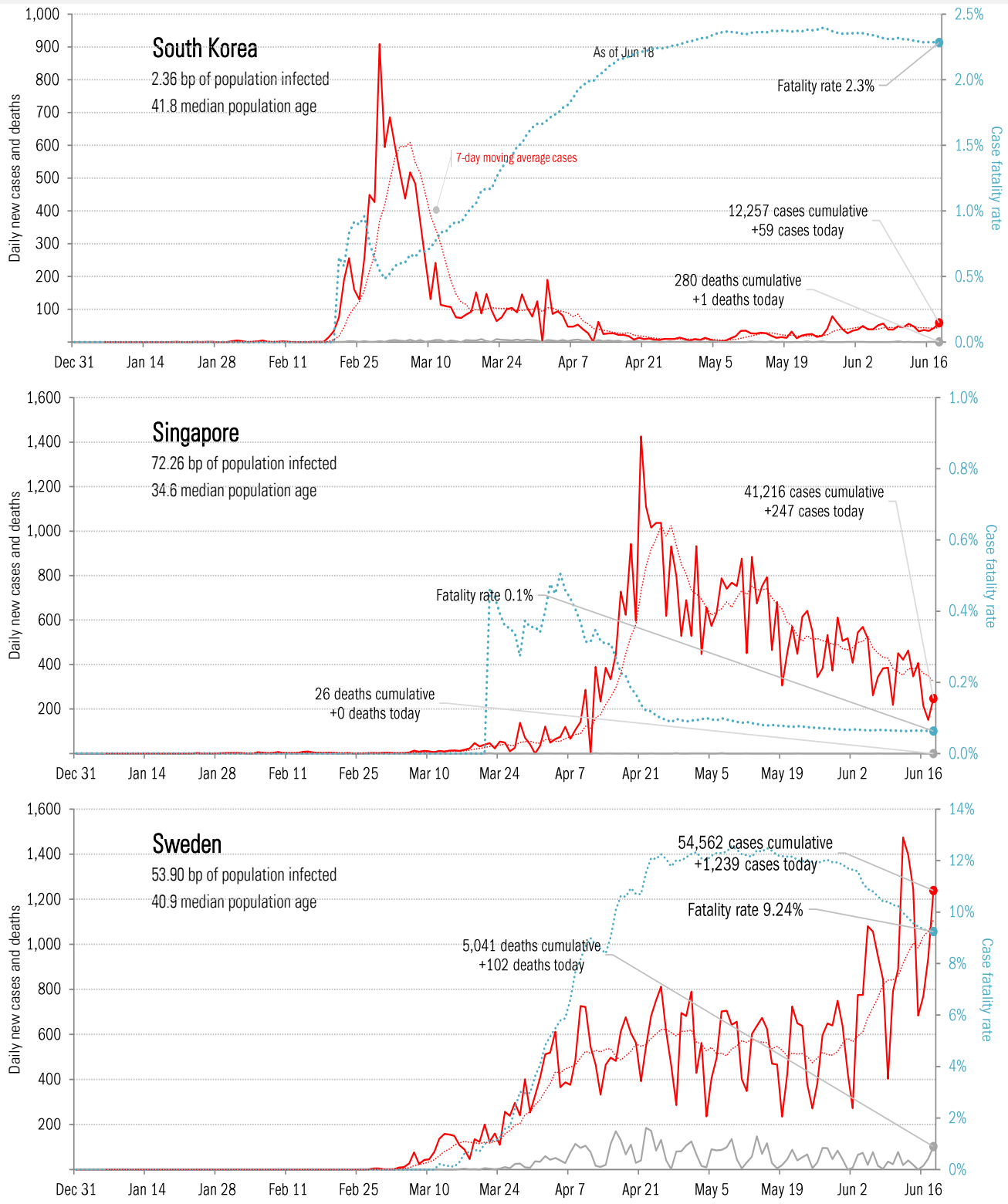
Source: ECDC, TrendMacro calculations

Impact in continental Europe



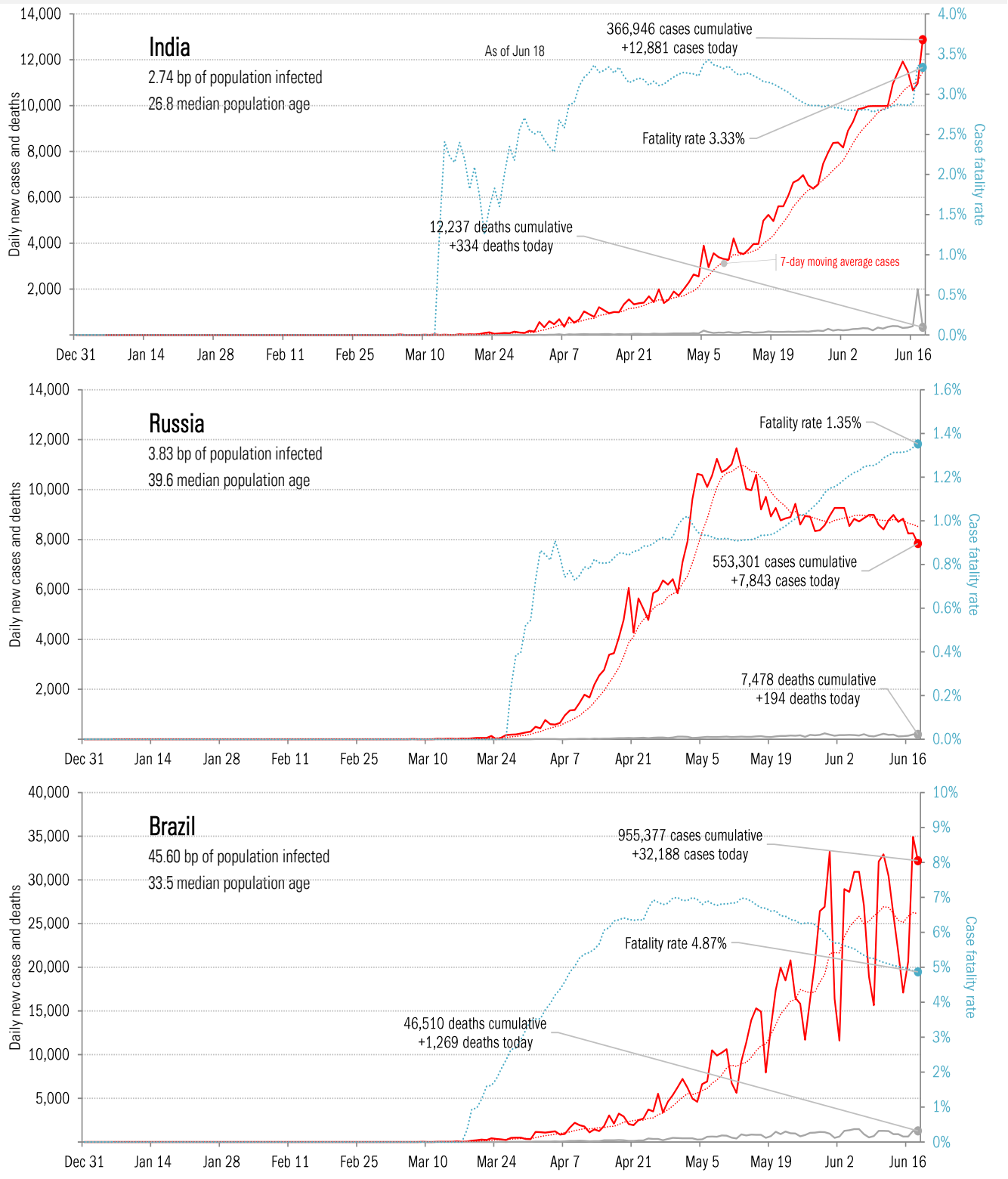
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



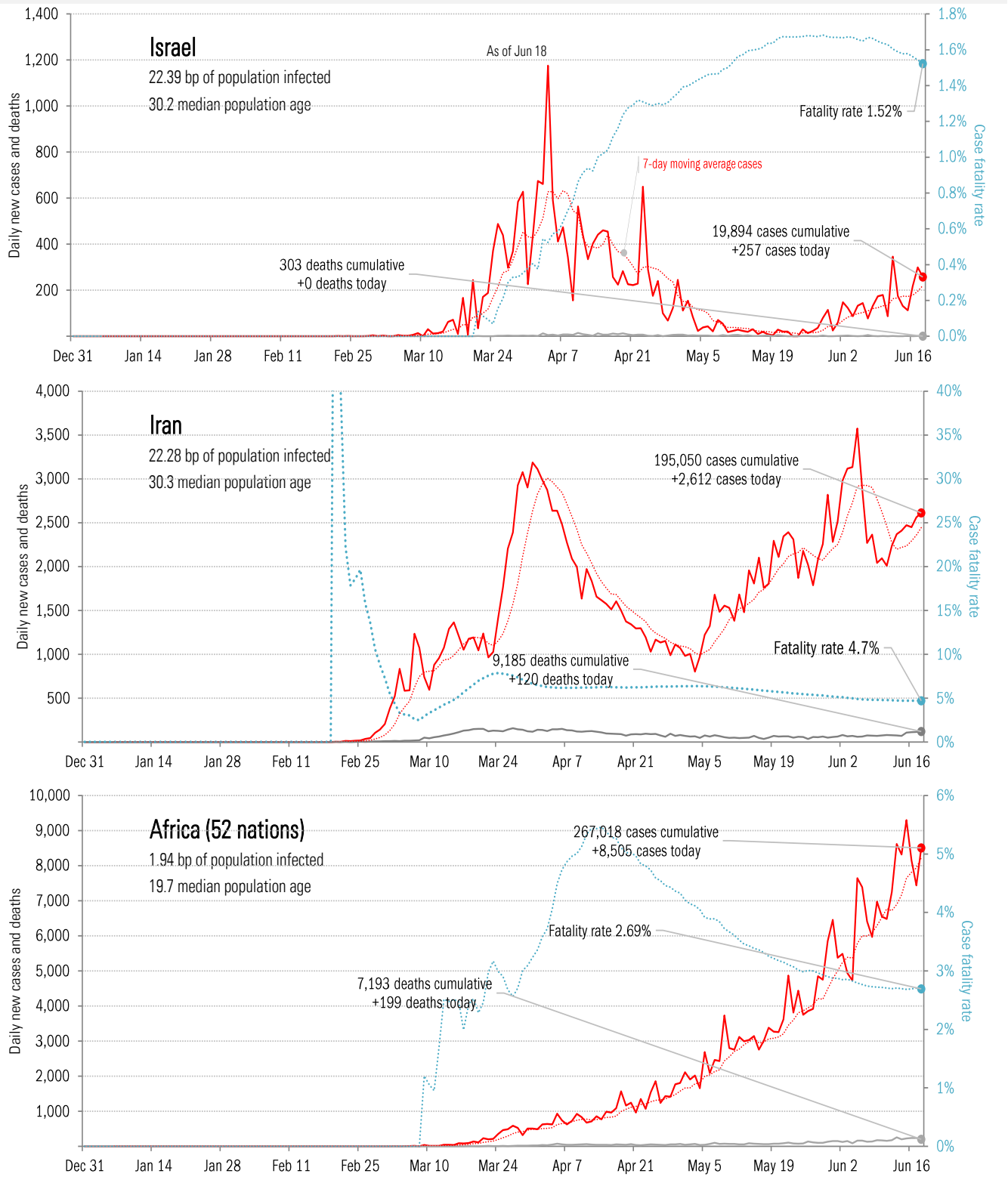
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations