Trend Macrolytics, LLC
Donald Luskin, Chief Investment Officer
Thomas Demas, Managing Director
Michael Warren, Energy Strategist

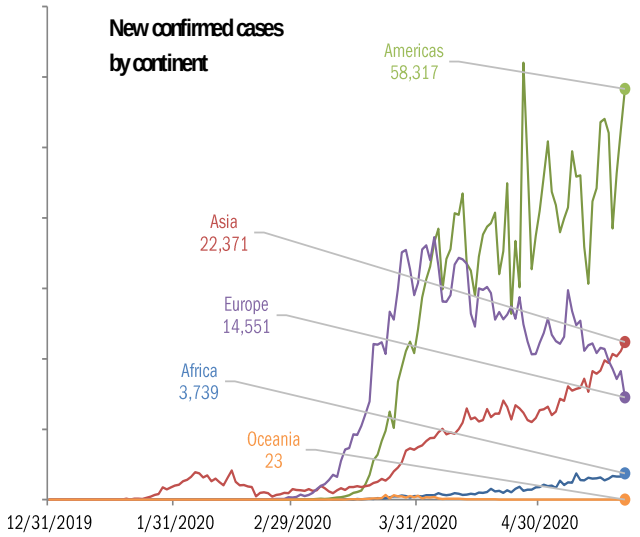
Data Insights: Covid-2019 Monitor

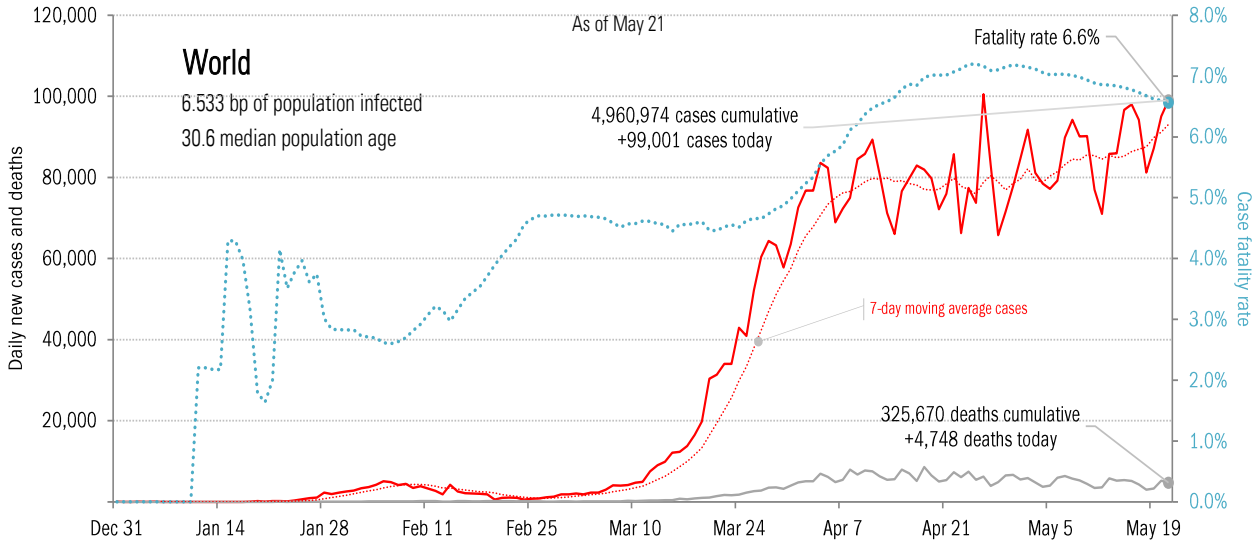
Thursday, May 21, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+23,285	US	+1,518
Brazil	+19,951	Brazil	+888
Russia	+8,764	Mexico	+424
India	+5,609	UK	+363
Peru	+4,537	Italy	+161
Chile	+4,038	Russia	+135
Saudi	+2,691	India	+132
Iran	+2,346	Canada	+118
Mexico	+2,248	France	+110
Pakistan	+2,193	Peru	+110
	+75,662		+3,959
World	+99,001	World	+4,748
Top ten	76%	Top ten	83%





Source: ECDC, TrendMacro calculations

For more information contact us:
Donald Luskin: 312 273 6766 don@trendmacro.com
Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

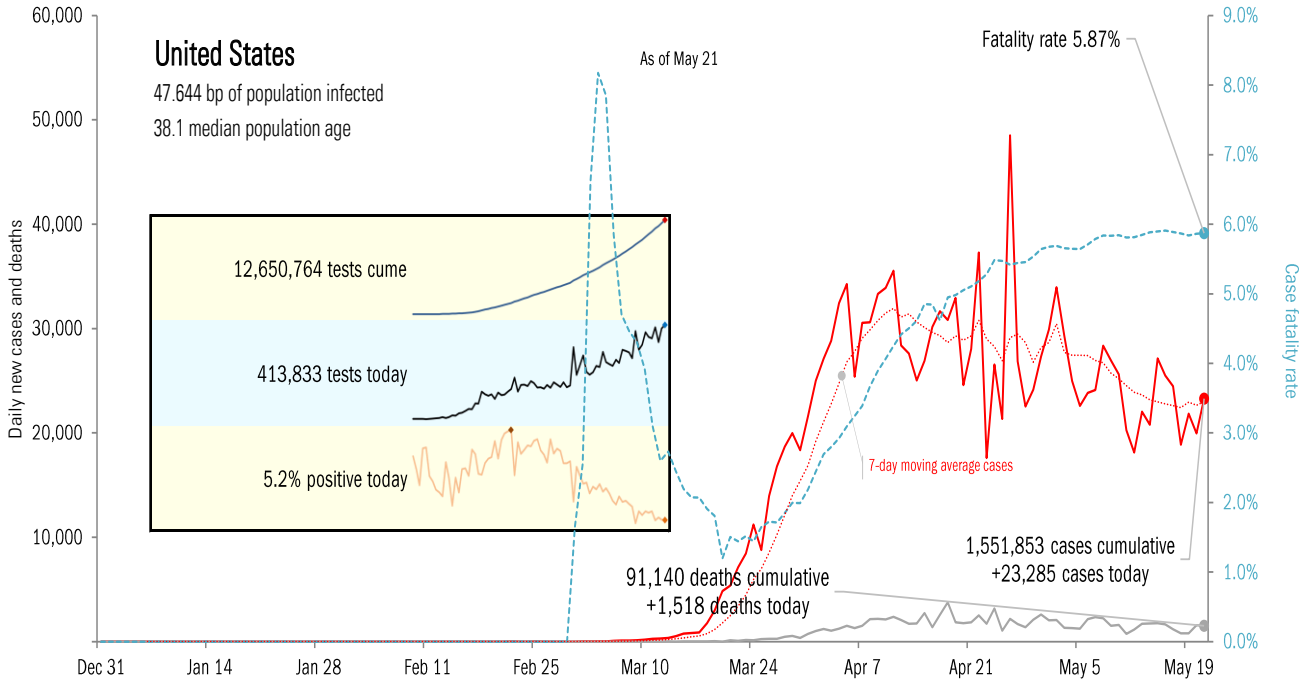
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
IL	+2,388	NJ	+161	VA	+291	NY	354,370	NY	22,976	NY	76,410
CA	+2,262	IL	+146	NM	+253	NJ	150,399	NJ	10,747	CT	10,946
NY	+1,525	NY	+133	NY	+242	IL	100,418	MA	6,066	FL	8,934
TX	+1,411	MA	+128	MD	+194	MA	88,970	MI	5,060	MA	8,897
NJ	+1,386	CA	+102	FL	+190	CA	84,057	PA	4,624	MD	7,393
MA	+1,045	OH	+61	MA	+131	PA	63,666	IL	4,525	GA	7,107
GA	+926	CT	+57	MN	+87	MI	53,009	CT	3,529	VA	6,059
MD	+777	TX	+50	OH	+81	TX	51,323	CA	3,436	OH	5,198
VA	+763	FL	+44	GA	+80	FL	47,471	LA	2,608	IN	4,389
MI	+659	AZ	+43	MS	+61	MD	42,323	FL	2,173	CO	3,955
	+13,142		+925		+1,610		1,036,006		65,744		139,288
All states	+21,531	All states	+1,402	All states	+1,982	All states	1,542,309	All states	87,472	All states	161,616
Top ten	61%	Top ten	66%	Top ten	81%	Top ten	67%	Top ten	75%	Top ten	86%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
MD	-1,007	PA	-119	MA	-96	TX	+982
MA	-870	MI	-59	NY	-56	TN	+814
PA	-610	KY	-32	KY	-54	MN	+687
KY	-381	RI	-20	OH	-38	WI	+357
NC	-255	IN	-19	GA	-31	NJ	+288



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

Recommended reading

[Former WHO doctor says coronavirus cases are not increasing as expected in areas that reopen]
Sophie Mann
Just the News
May 20, 2020

[Emergency Rule Threatening Owners Of Open Businesses Withdrawn]
Jonah Meadows
Patch
May 20, 2020

[Neil Howe – The Pandemic and the Fourth Turning]
Robert Huebscher
Advisor Perspectives
May 20, 2020

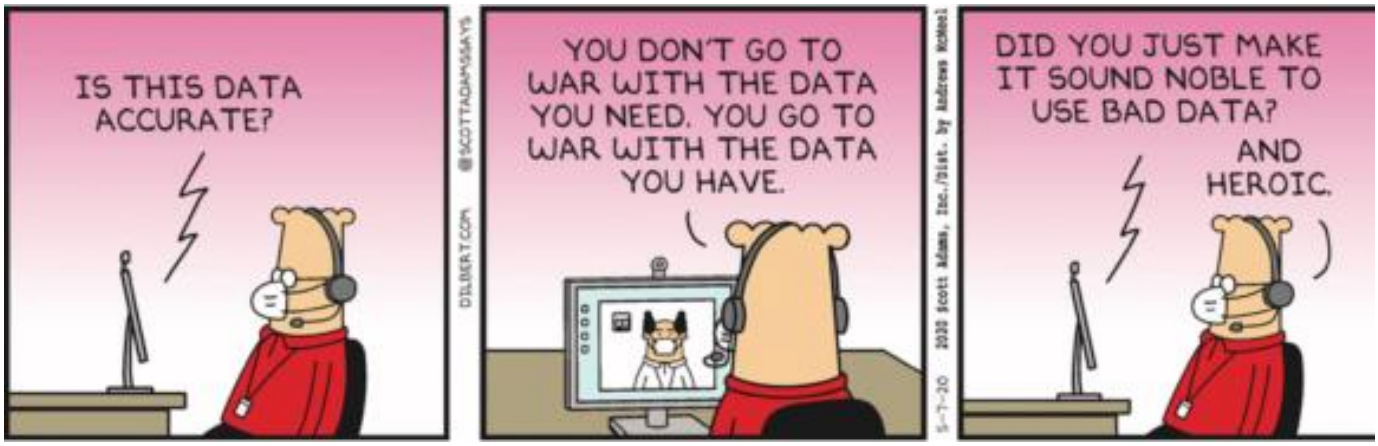
[Georgia Marks Lowest COVID-19 Positive Hospitalizations Since Early April]
Office of Governor Brian E. Kemp
May 19, 2020

[Testing early, testing late: four countries' approaches to COVID-19 testing compared]
Joe Hasell
Our World in Data
May 19, 2020

[The Results of Europe's Lockdown Experiment Are In]
Elaine He
Bloomberg
May 20, 2020

[Tesla Owners Try to Make Sense of Elon Musk's 'Red Pill' Moment]
Nellie Bowles
New York Times
May 19, 2020

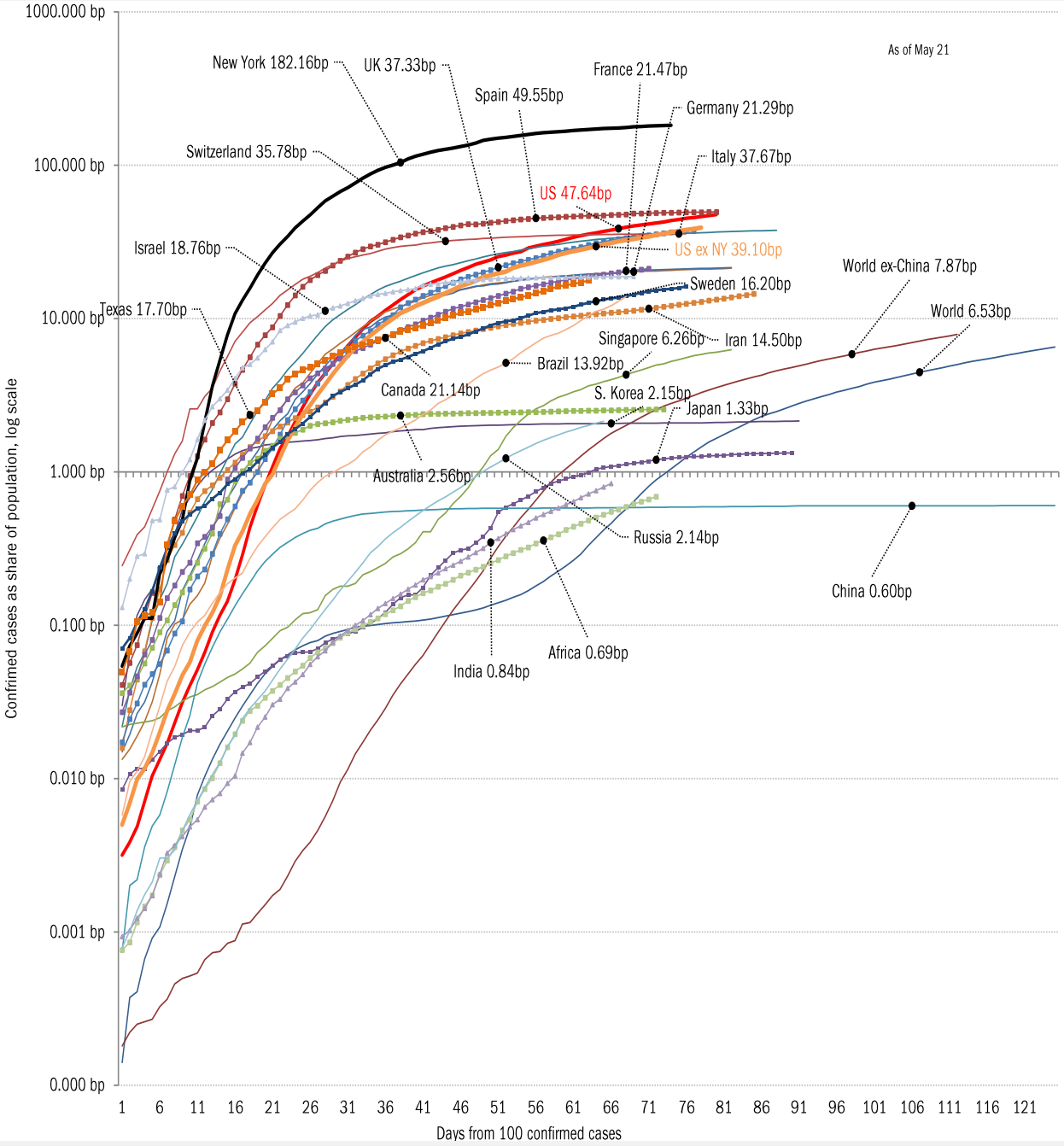
Meme of the day



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

The coronavirus case accelerometer… tracking the world's infection curves

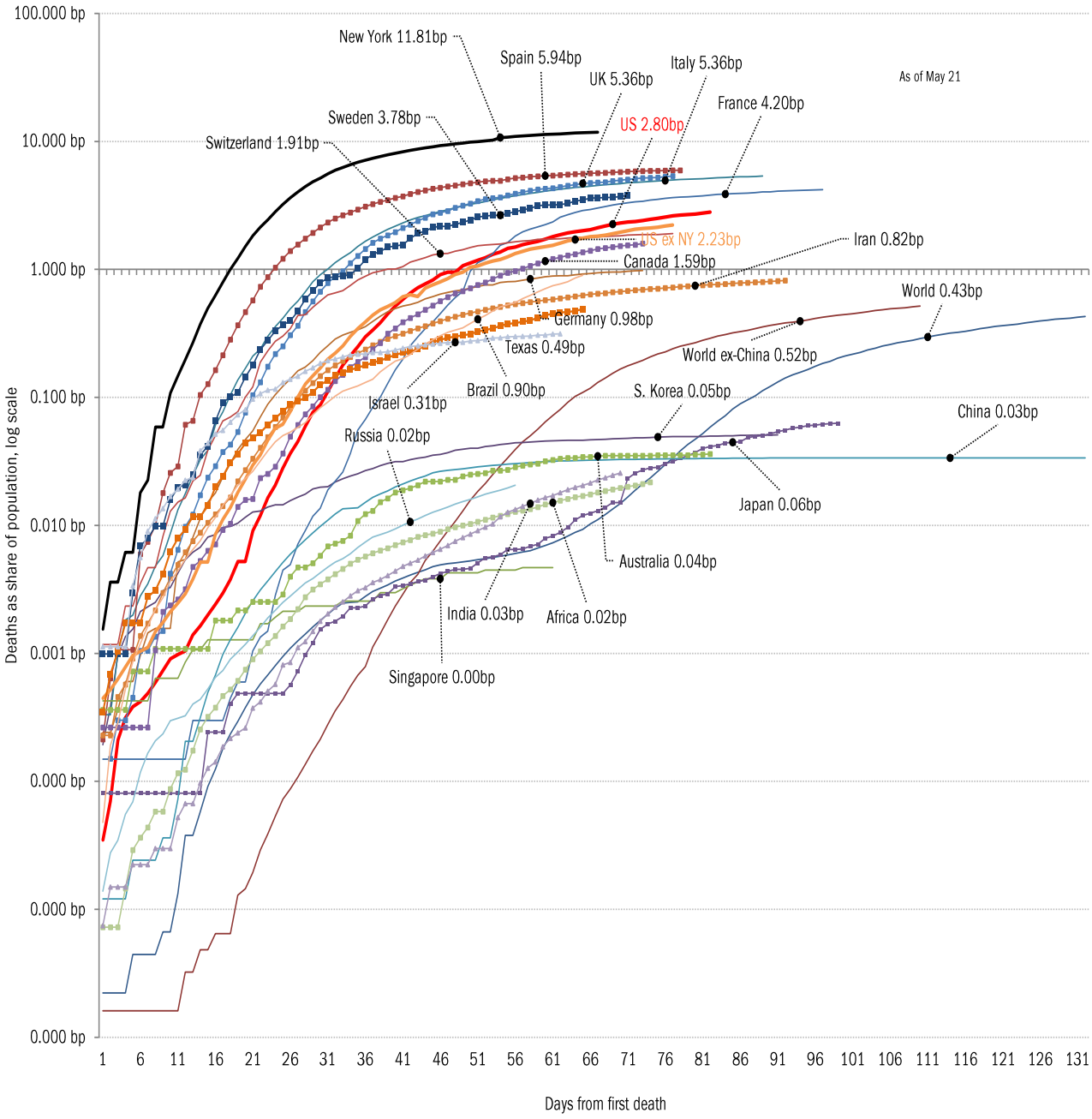
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

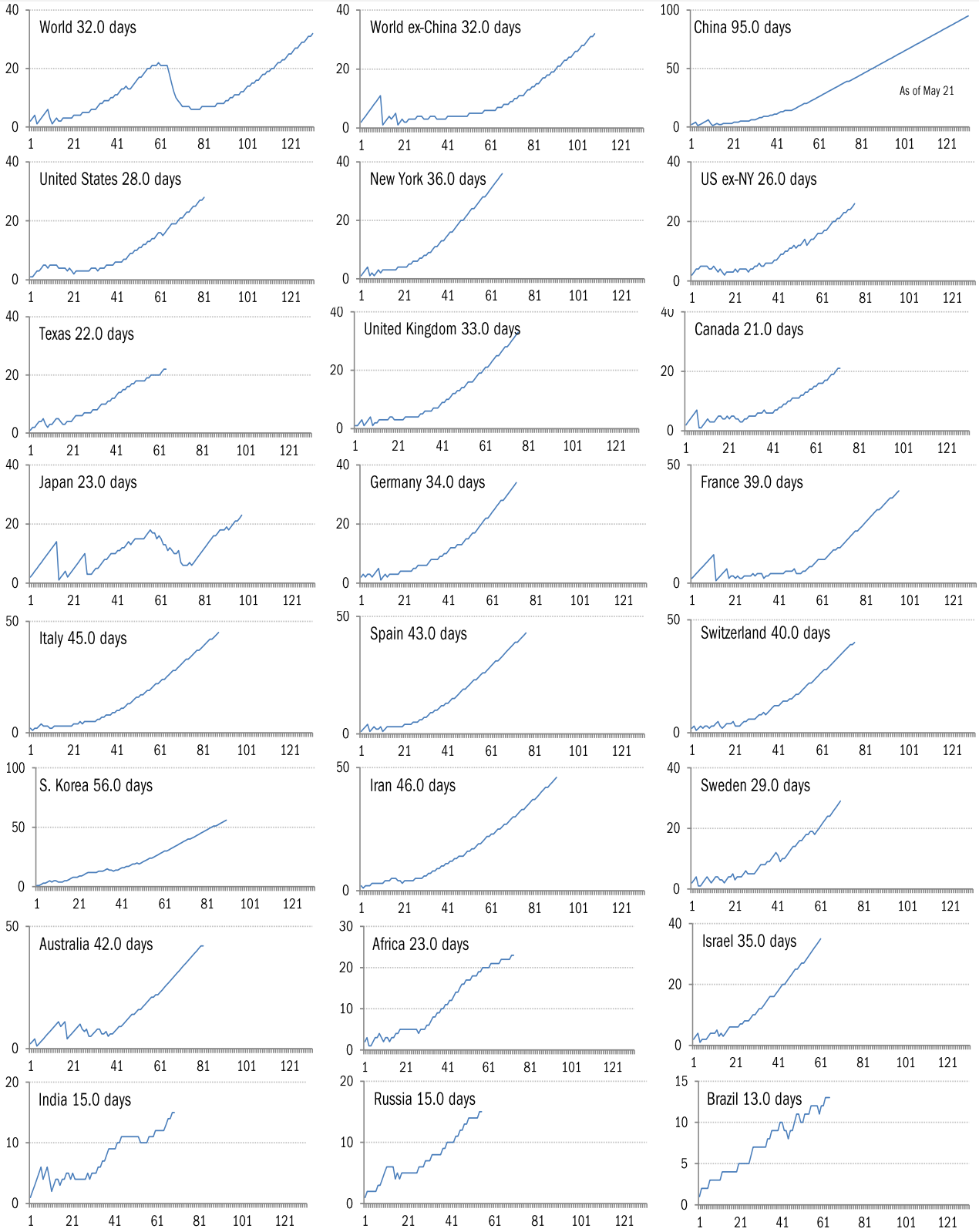
Share of deceased population from day of first fatality



Source: ECDC, TrendMacro calculations

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

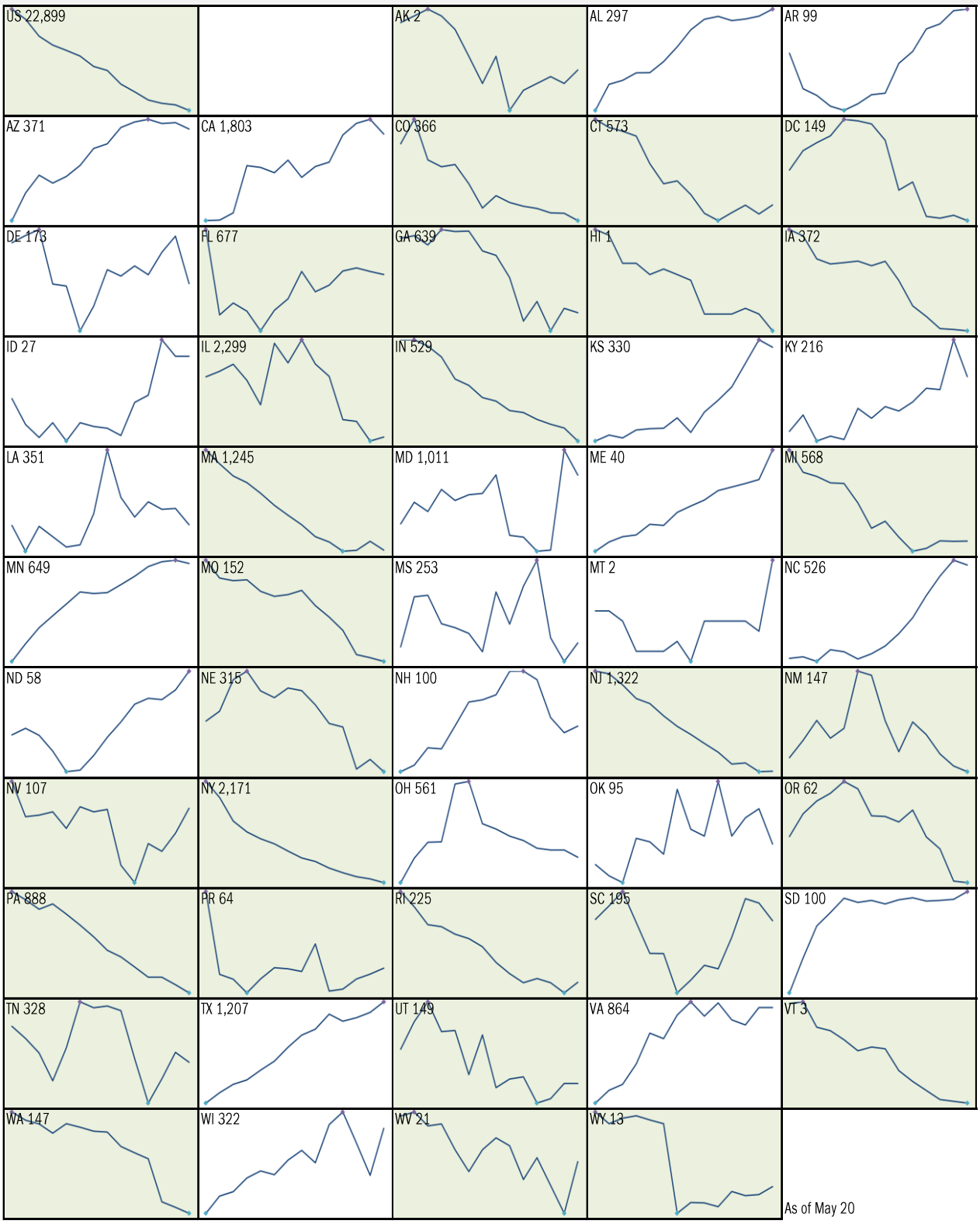
Vertical: number of days it takes to double deaths Horizontal: days from first death



Source: ECDC, TrendMacro calculations

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

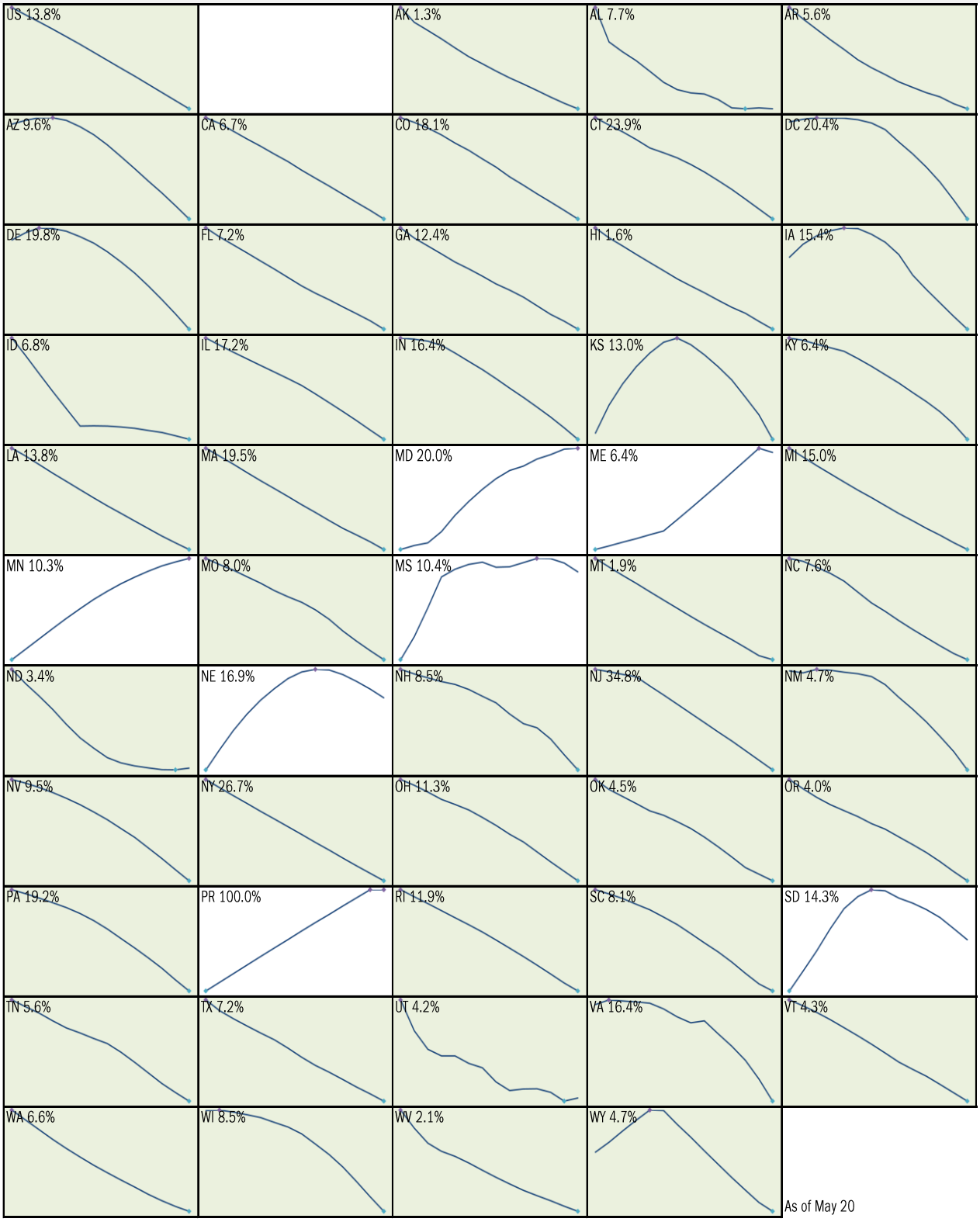
14-day moving average, last 14 days Most recent value displayed • High • Low



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

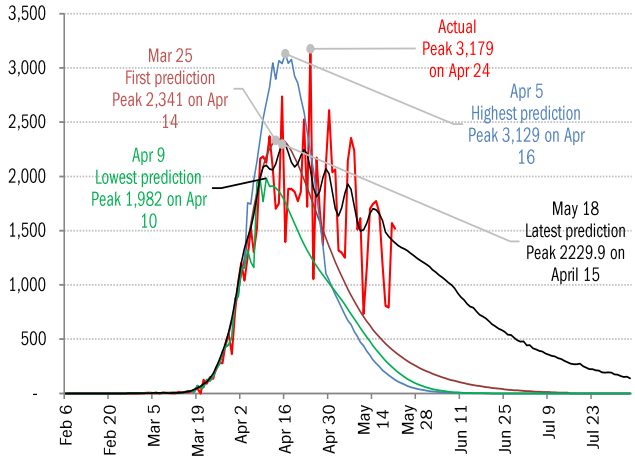


Source: Covid Tracking Project, TrendMacro calculations

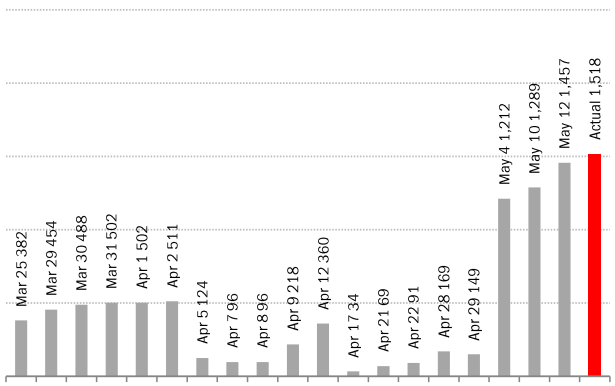
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of May 21

Actual versus first, highest and latest model mean predictions

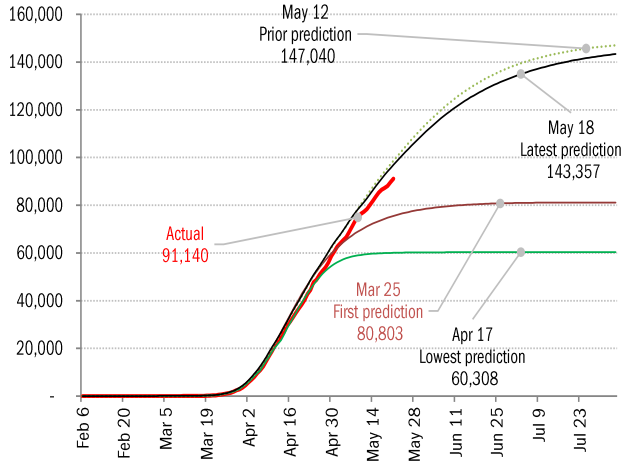


For this day, versus all model mean predictions

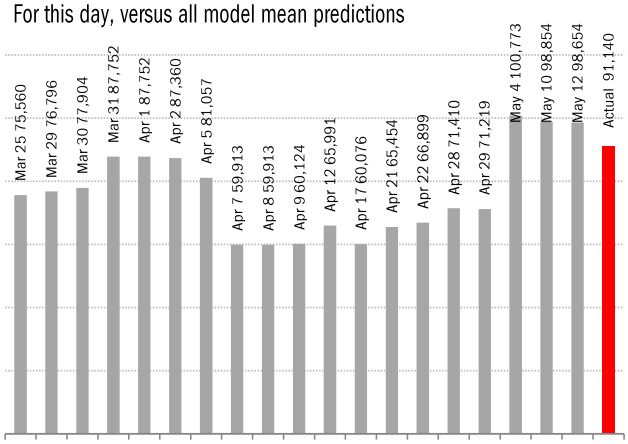


Cumulative fatalities

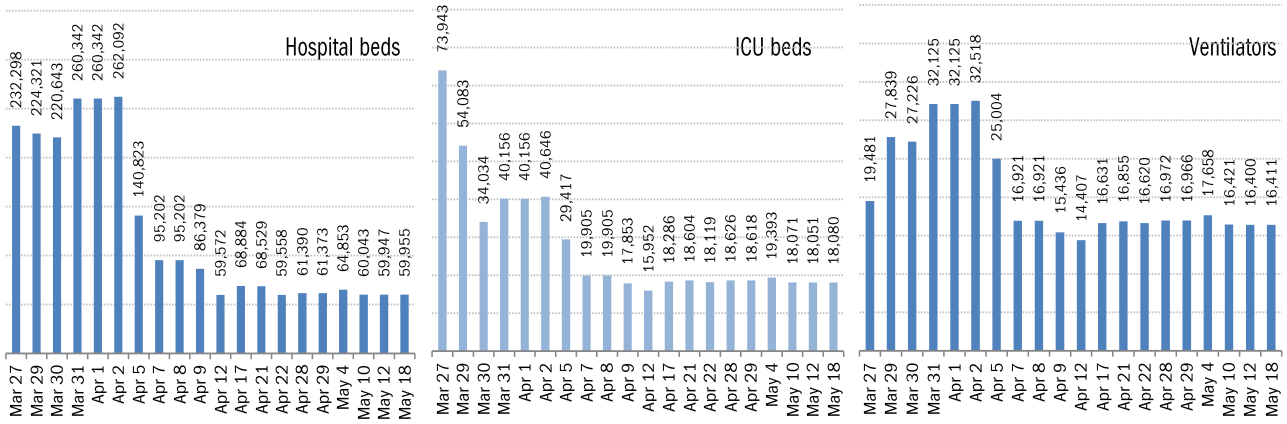
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

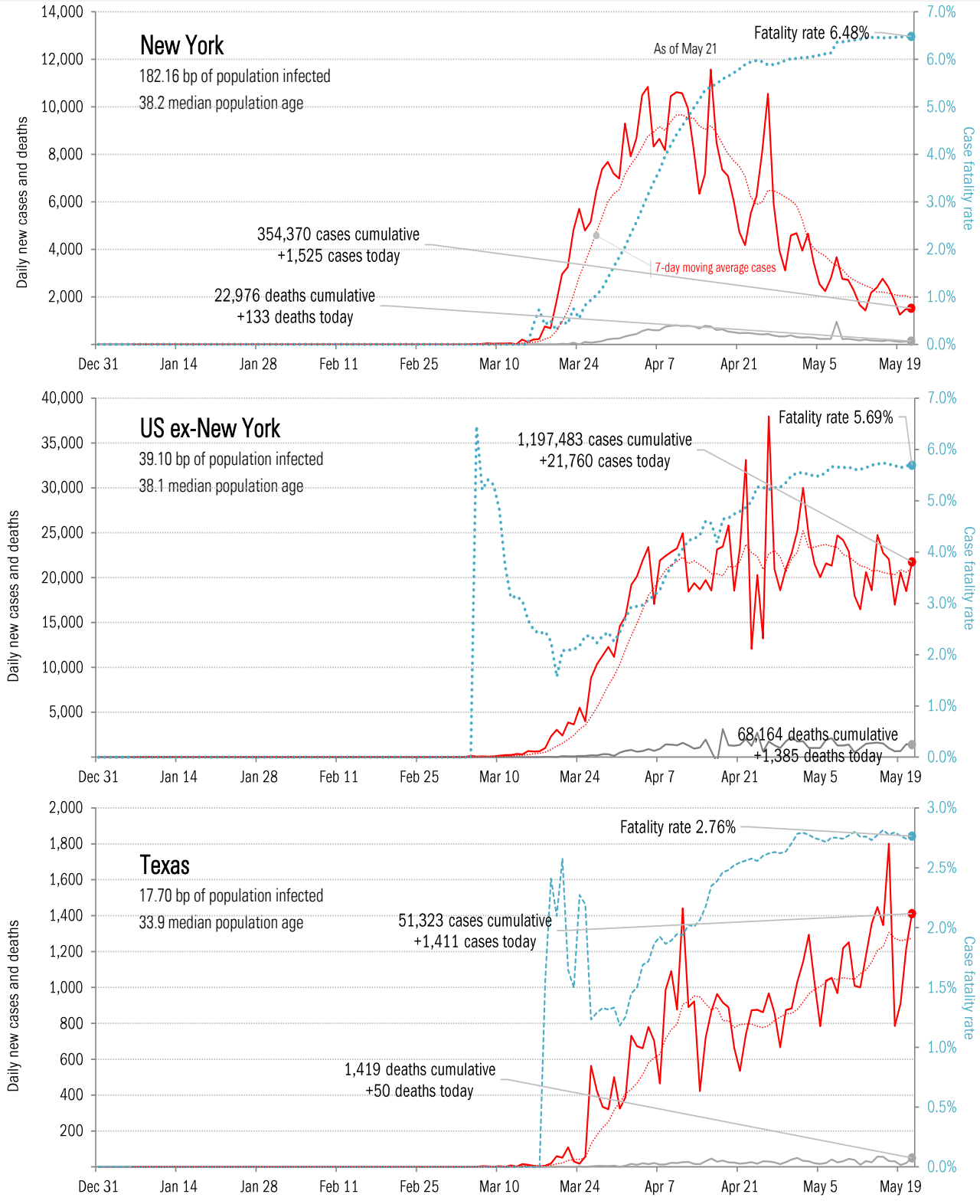


Healthcare system stress, peak estimated at each model revision



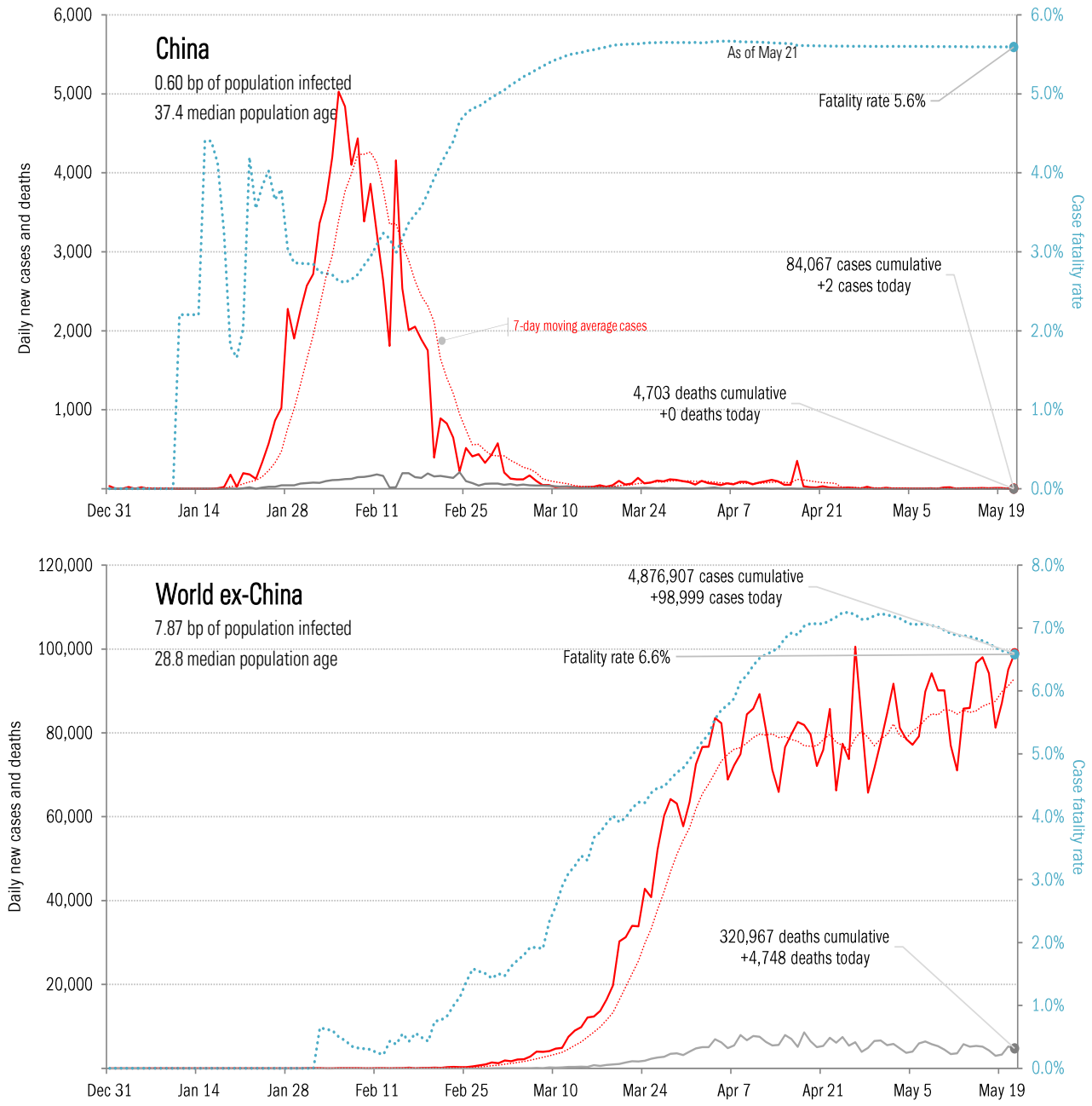
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



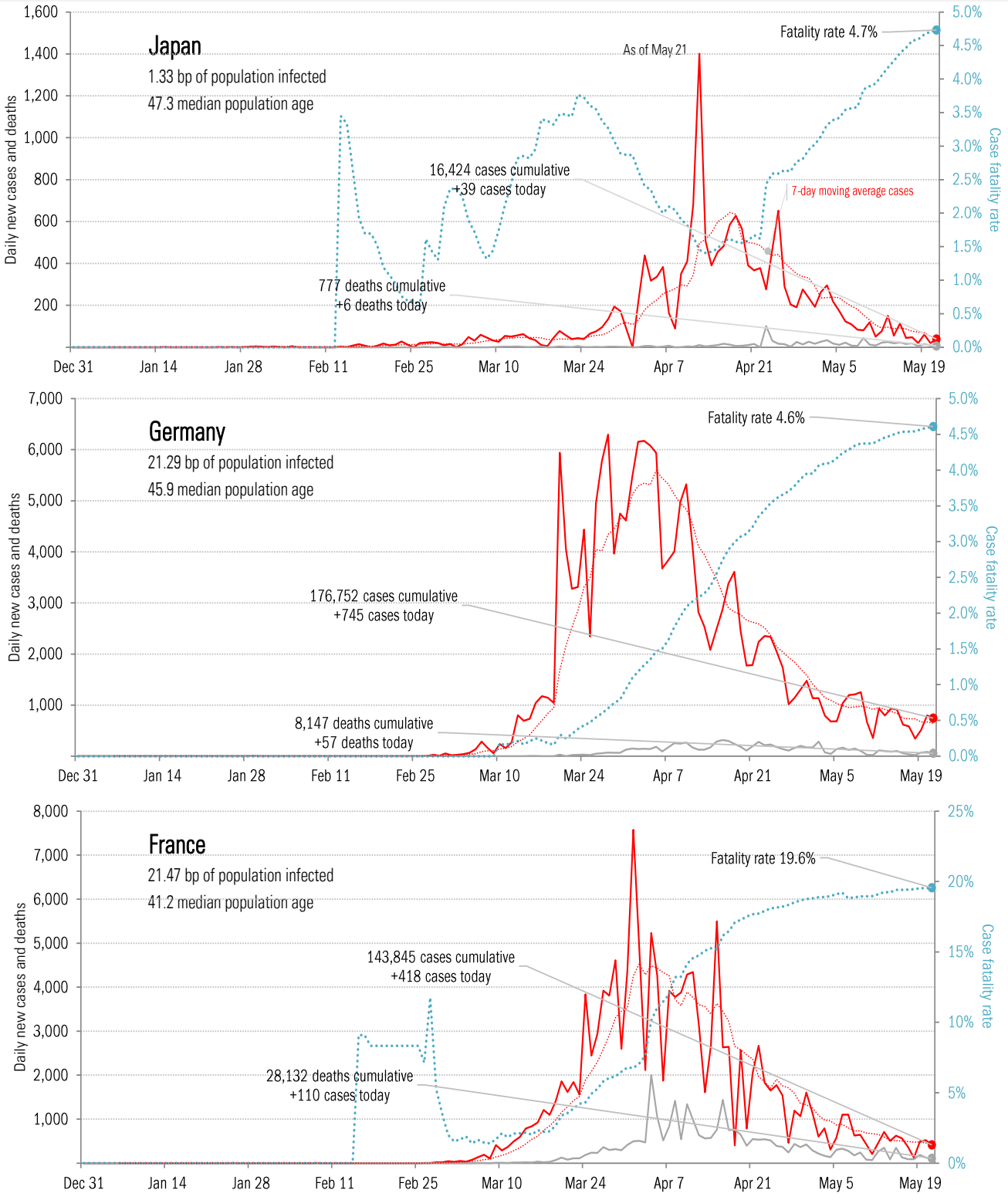
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



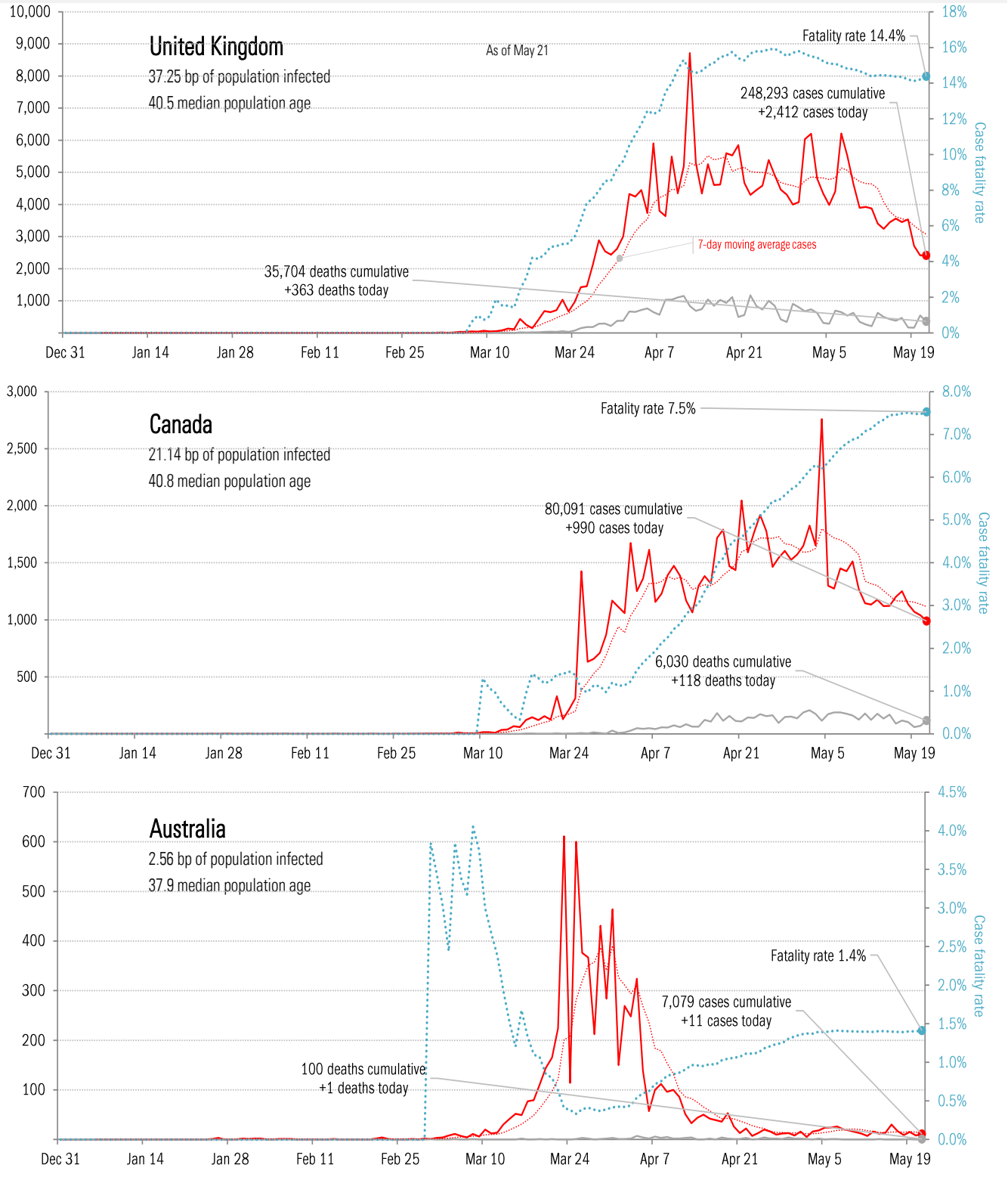
Source: ECDC, TrendMacro calculations

Impact in the largest economies



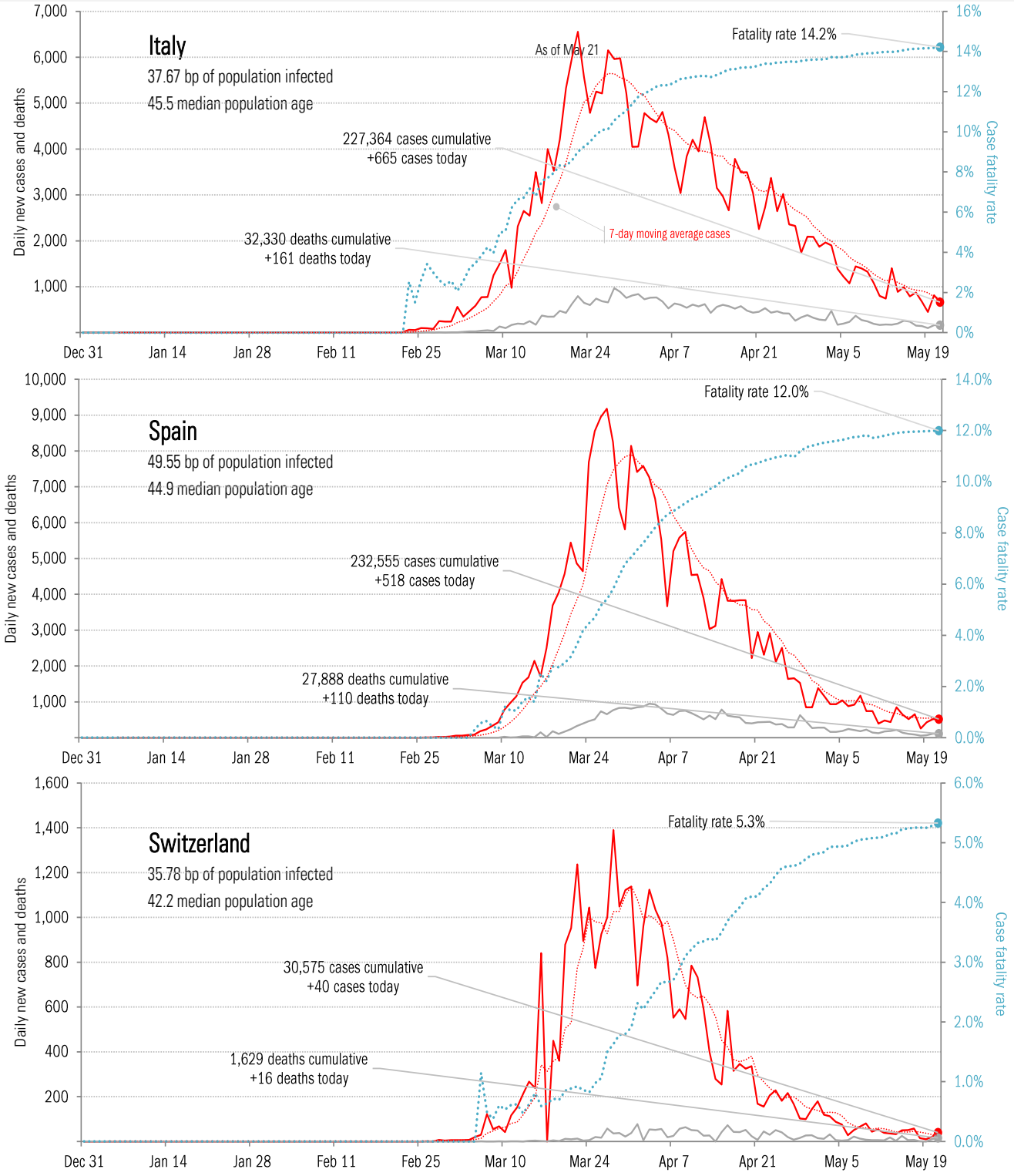
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



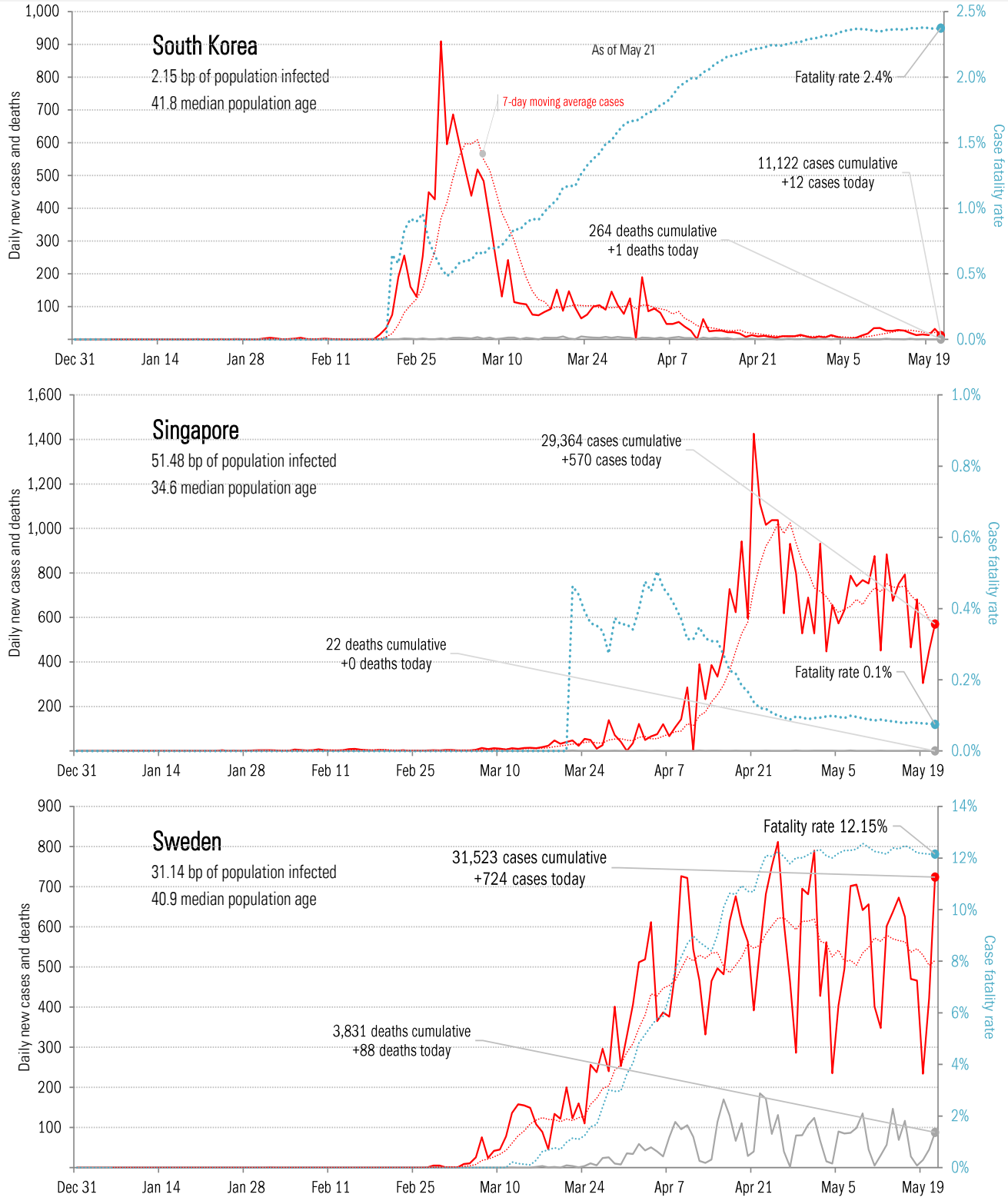
Source: ECDC, TrendMacro calculations

Impact in continental Europe



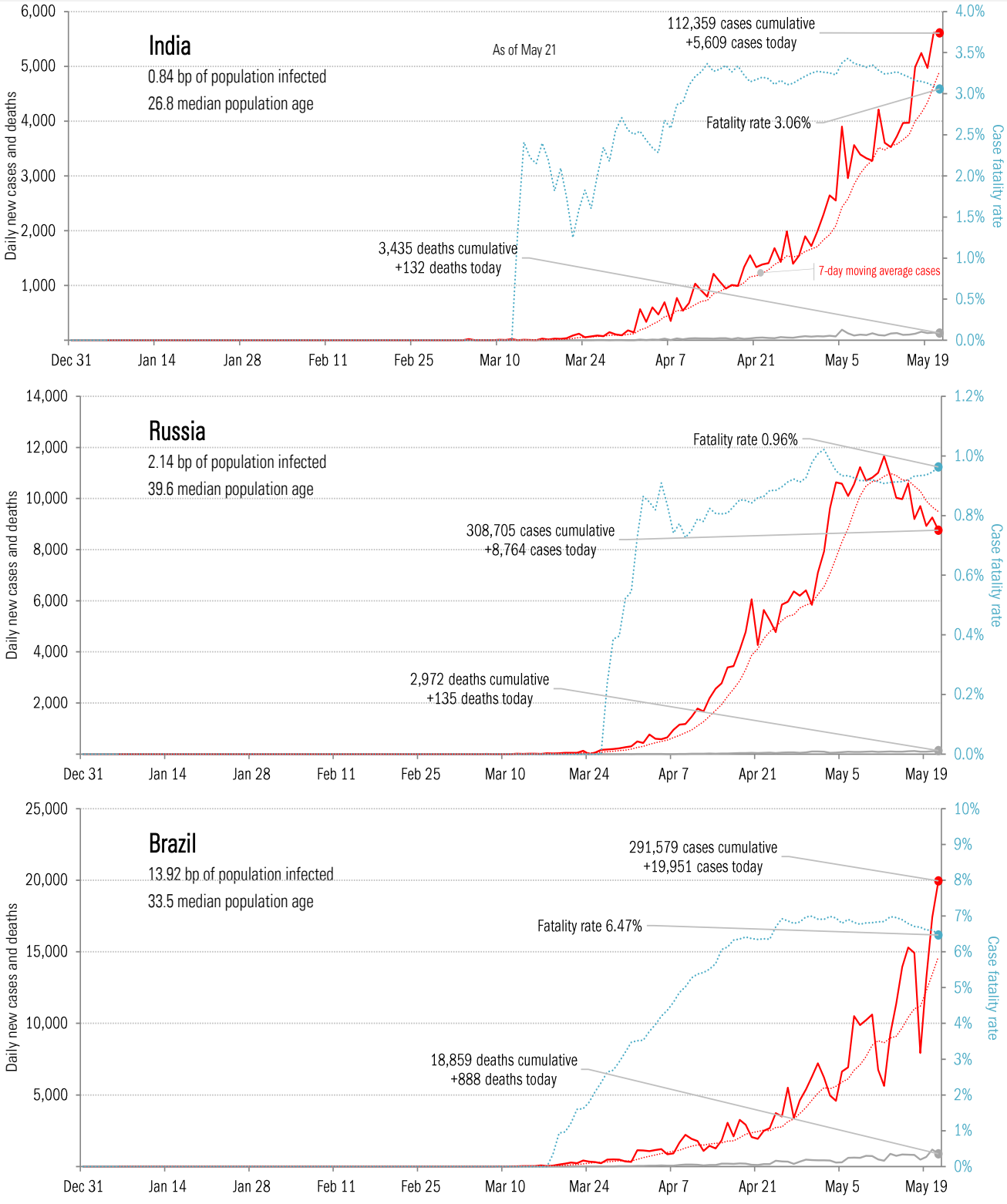
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



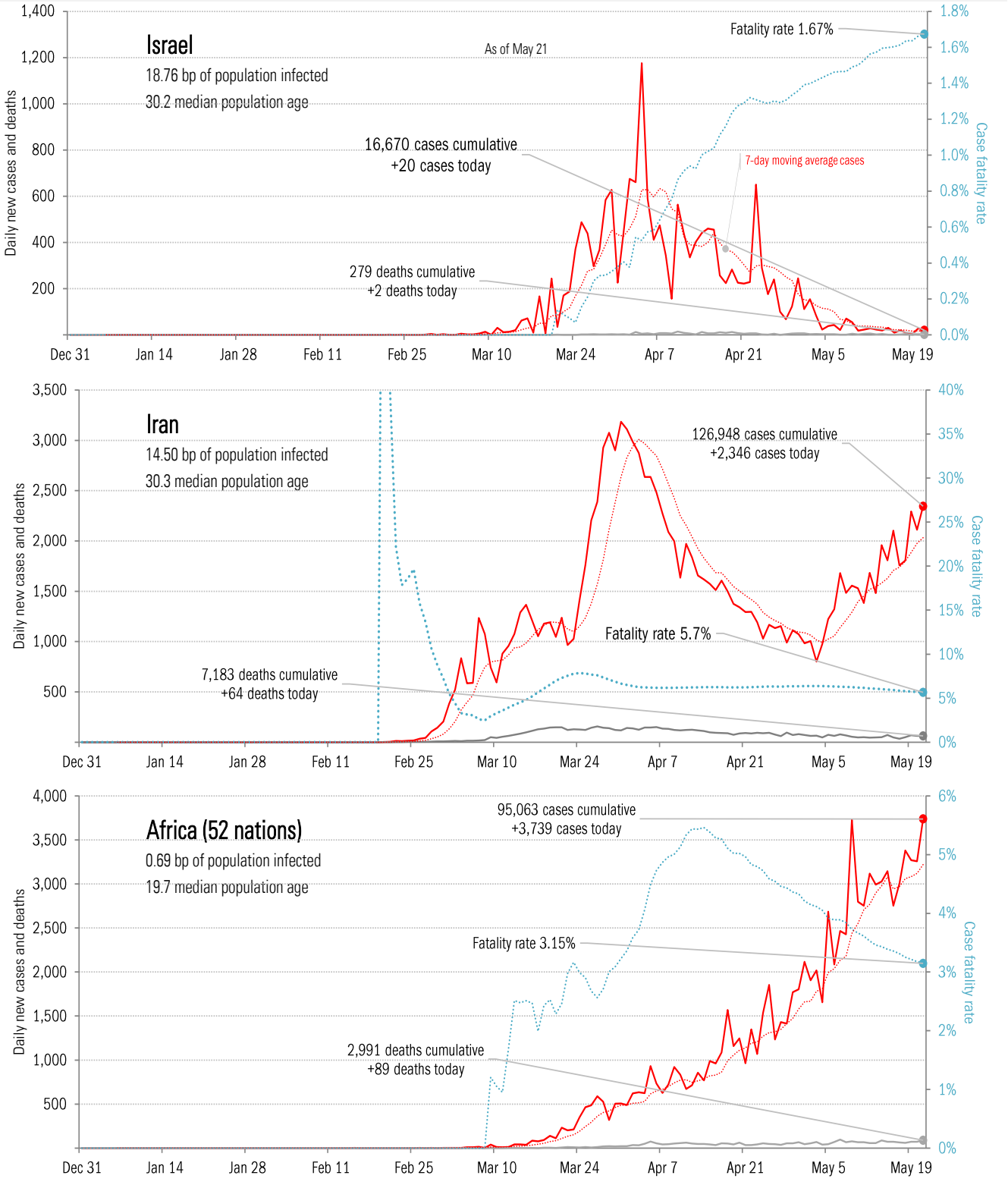
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations