Trend Macrolytics, LLC
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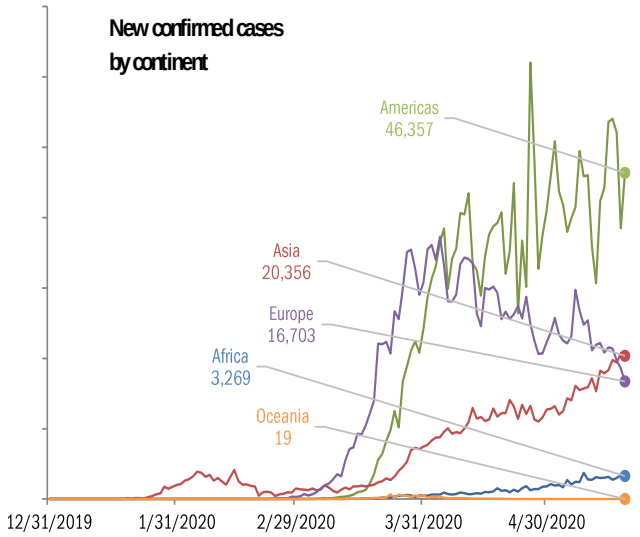
Data Insights: Covid-2019 Monitor

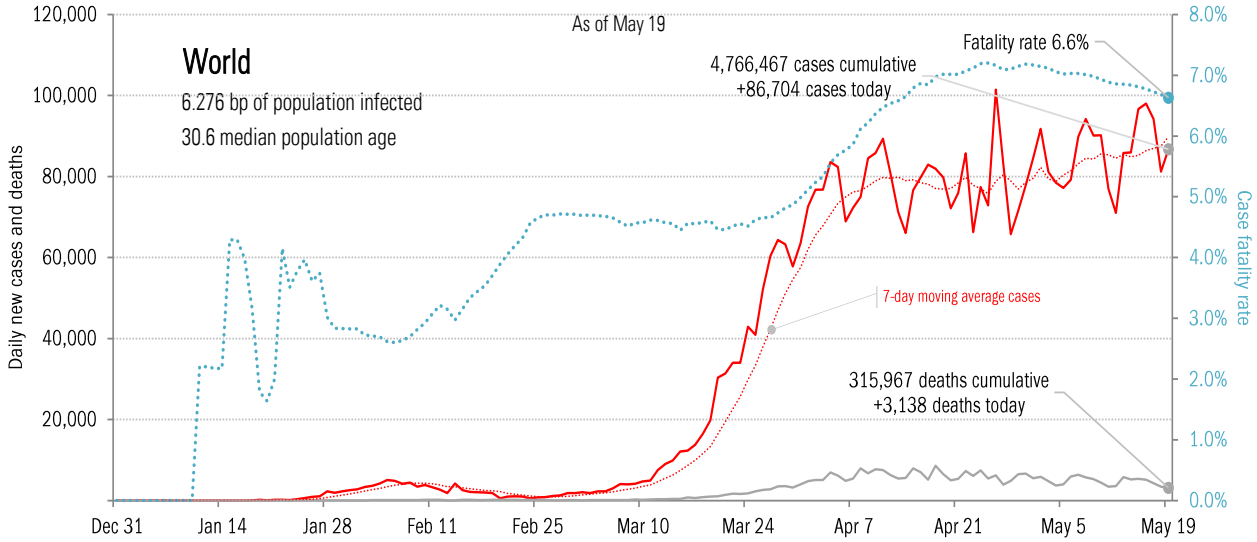
Tuesday, May 19, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+21,841	US	+791
Brazil	+13,140	Brazil	+674
Russia	+8,926	UK	+160
India	+4,970	Mexico	+155
UK	+2,711	Peru	+141
Peru	+2,660	India	+134
Saudi	+2,593	France	+131
Mexico	+2,414	Italy	+99
Iran	+2,294	Russia	+91
Chile	+2,278	Germany	+72
	+63,827		+2,448
World	+86,704	World	+3,138
Top ten	74%	Top ten	78%





Source: ECDC, TrendMacro calculations

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The US scorecard

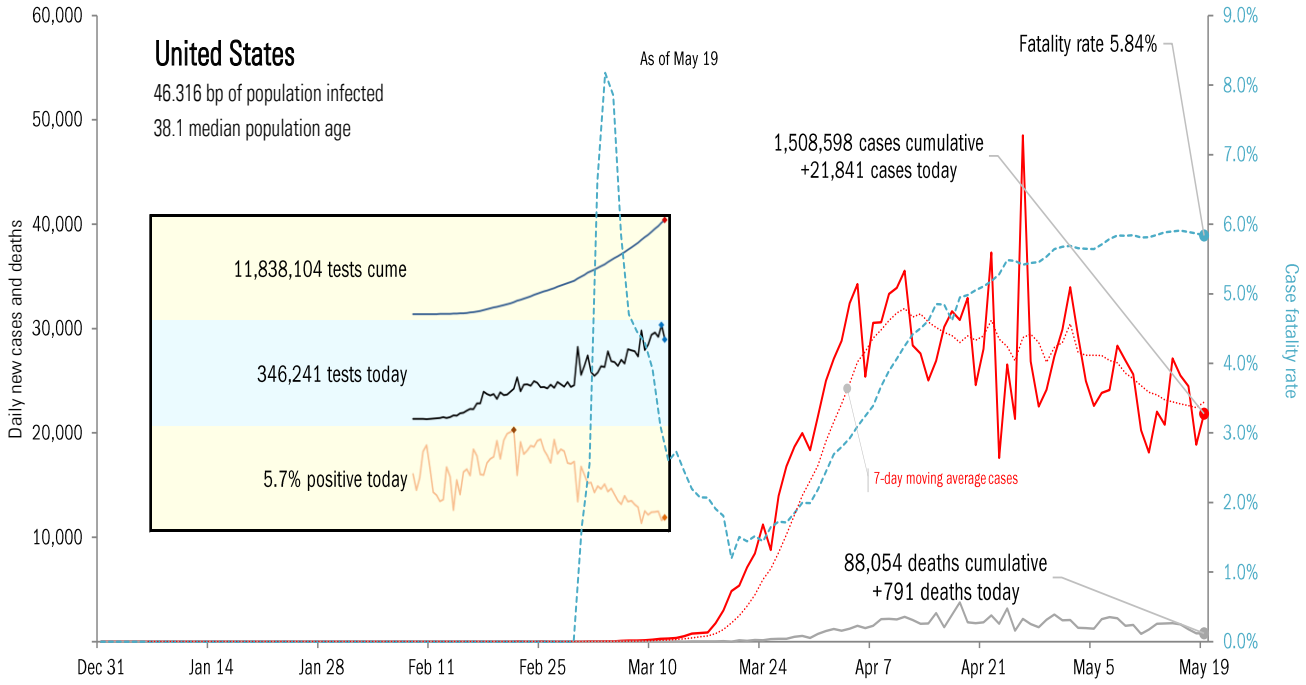
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
IL	+2,294	NY	+110	NY	+345	NY	351,371	NY	22,729	NY	75,870
NJ	+1,705	PA	+87	GA	+126	NJ	148,039	NJ	10,435	CT	10,946
CA	+1,591	NJ	+79	MD	+93	IL	96,485	MA	5,797	FL	8,553
NY	+1,250	LA	+72	VA	+92	MA	86,010	MI	4,915	MA	8,539
MD	+958	IL	+57	OH	+77	CA	80,430	PA	4,505	MD	7,086
TX	+909	CA	+41	FL	+75	PA	63,056	IL	4,234	GA	6,916
FL	+854	CT	+41	MN	+38	MI	51,915	CT	3,449	VA	5,609
PA	+822	GA	+36	MS	+32	TX	48,693	CA	3,302	OH	4,998
MI	+773	OH	+32	WI	+30	FL	46,442	LA	2,563	IN	4,389
VA	+752	MD	+31	AL	+24	MD	39,762	FL	2,073	CO	3,872
	+11,908		+586		+932		1,012,203		64,002		136,778
All states	+19,866	All states	+786	All states	+1,058	All states	1,499,722	All states	84,640	All states	157,963
Top ten	60%	Top ten	75%	Top ten	88%	Top ten	67%	Top ten	76%	Top ten	87%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
MA	-1,077	MA	-92	MD	-145	LA	+3,641
NY	-639	NY	-31	MA	-83	NC	+2,522
CA	-455	CT	-28	CO	-18	MS	+1,413
NE	-320	NJ	-28	NY	-17	TX	+801
KY	-244	TX	-20	MN	-13	MN	+589



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

Recommended reading

National Poll: 40% of Families More Likely to Homeschool After Lockdowns End
Tommy Schultz
Real Clear Politics
May 14, 2020

Renowned epidemiologist says YouTube removed his anti-lockdown video for violating 'community standards'
Fox News
May 19, 2020

Heritage Builds County-Level COVID-19 Tracker to Assist State and Local Leaders
Heritage Foundation
May 7, 2020

Centivax Antibodies Neutralize the Pandemic Coronavirus, Independently Confirmed by Three Research Laboratories (USAMRIID, Stanford, and UTMB/GNL)
Businesswire
May 18, 2020

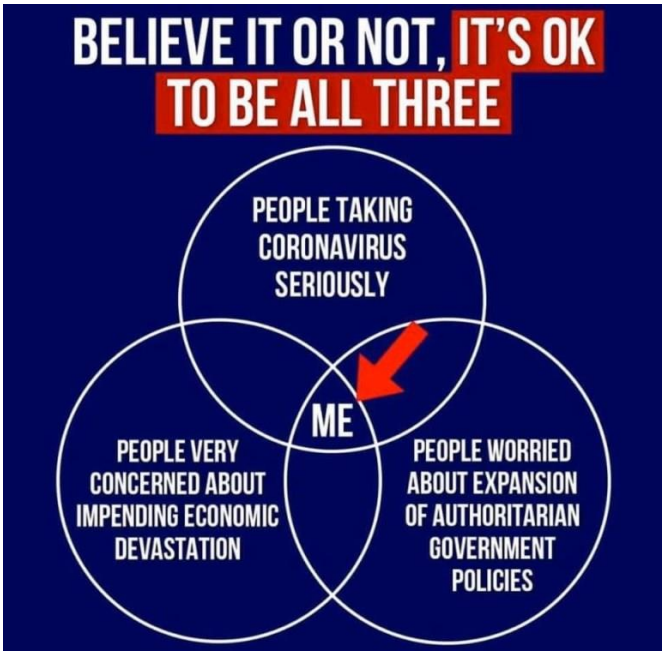
Rabbits are facing a deadly virus of their own
Scottie Andrew
CNN
May 18, 2020

Transcript: Alex Azar discusses coronavirus on "Face the Nation"
CBS News
May 17, 2020

China's Virus Vaccine Will Be Global Public Good, Xi Says
Corinne Gretler
Bloomberg
May 18, 2020

Moderna Announces Positive Interim Phase 1 Data for its mRNA Vaccine (mRNA-1273) Against Novel Coronavirus
Moderna Inc.
May 18, 2020

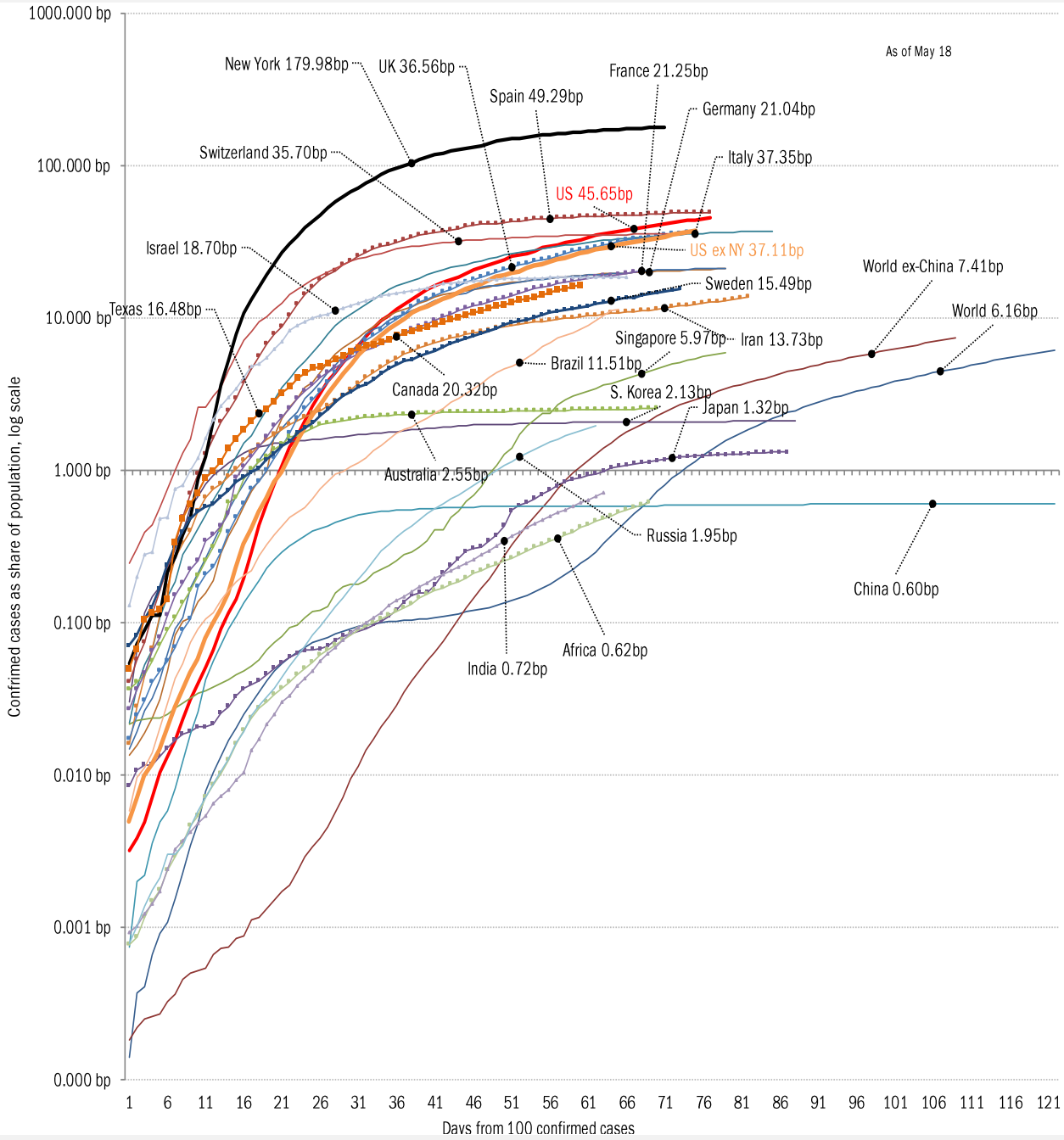
Meme of the day



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

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

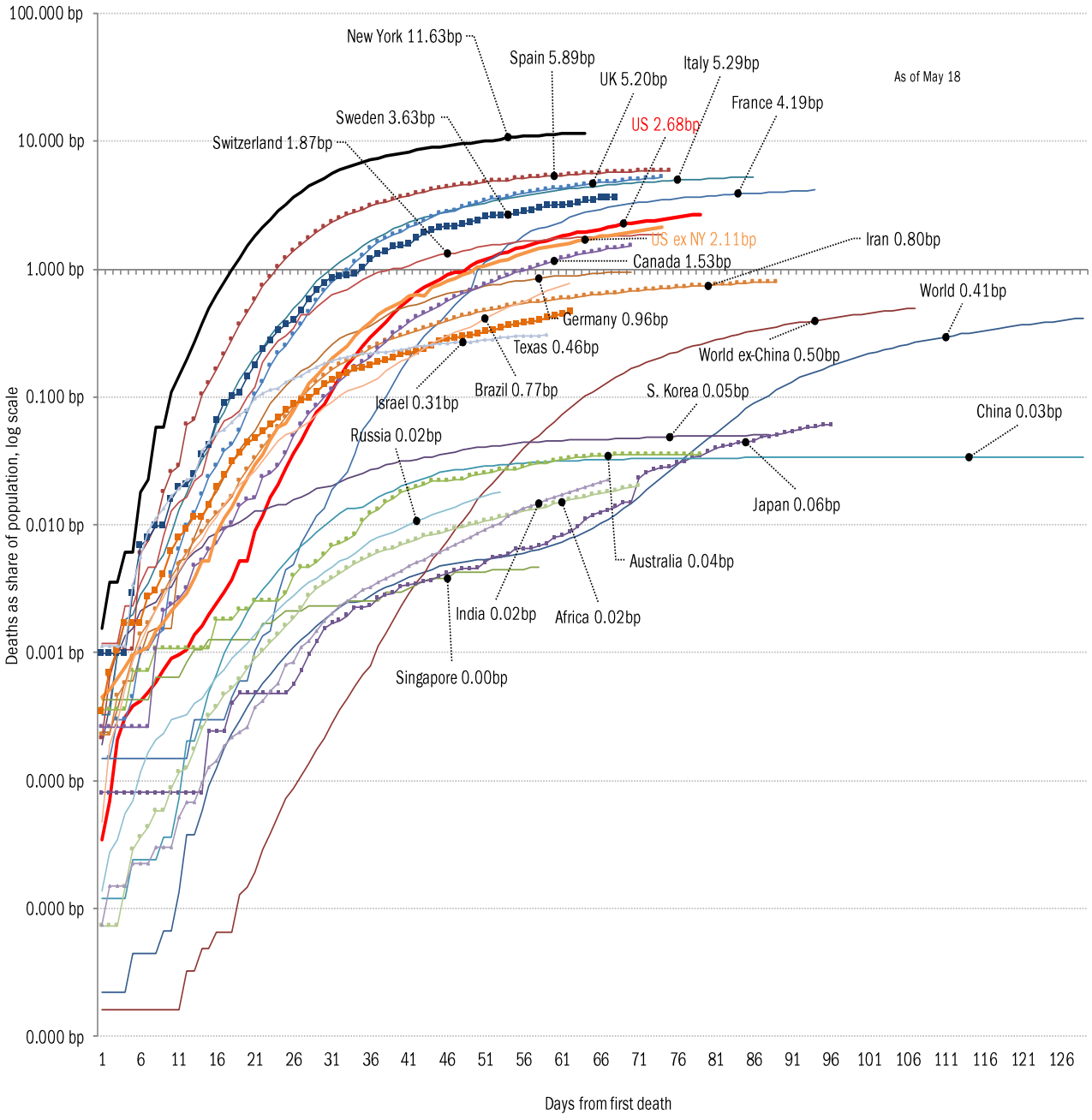
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

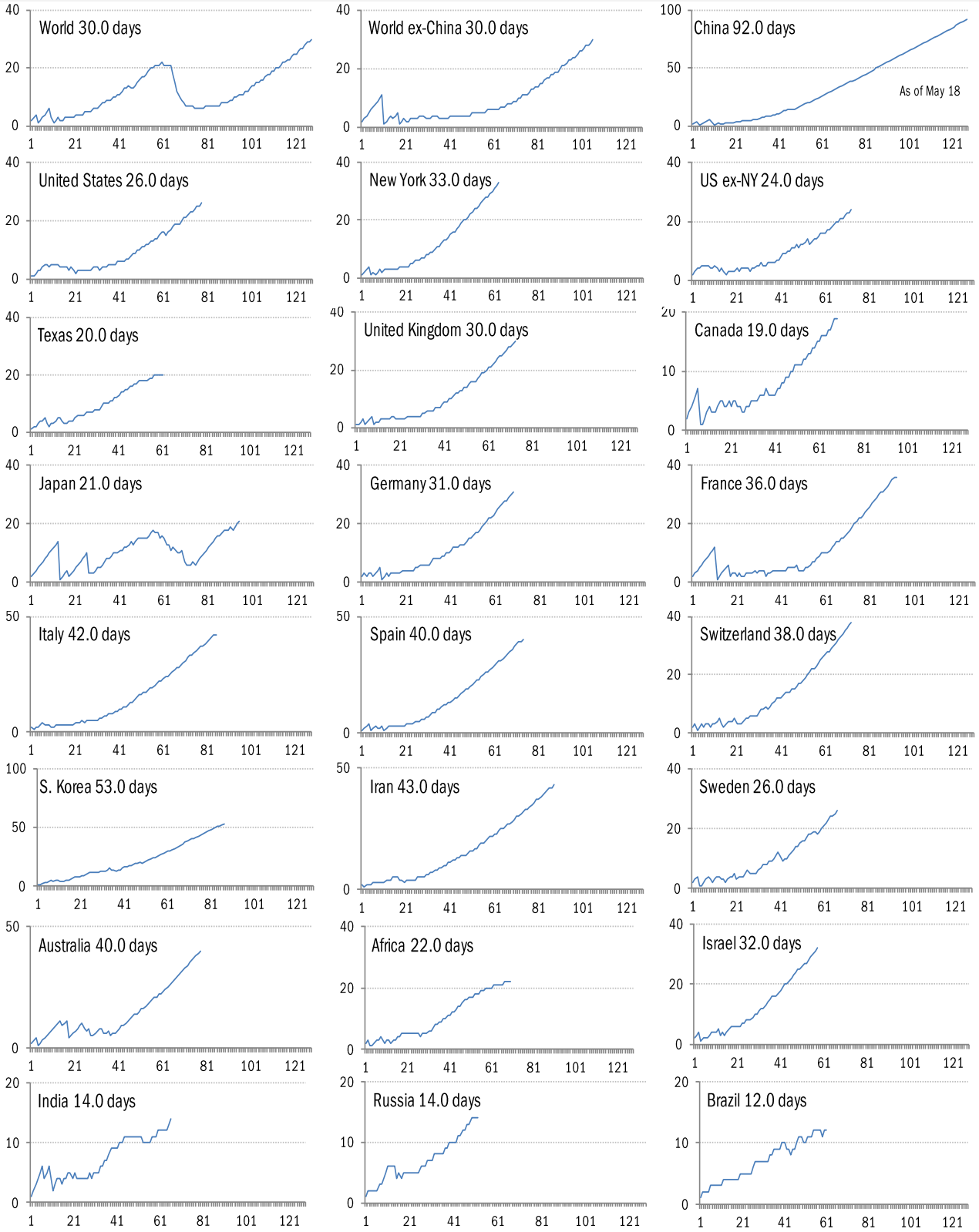
Share of deceased population from day of first fatality



Source: ECDC, TrendMacro calculations

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

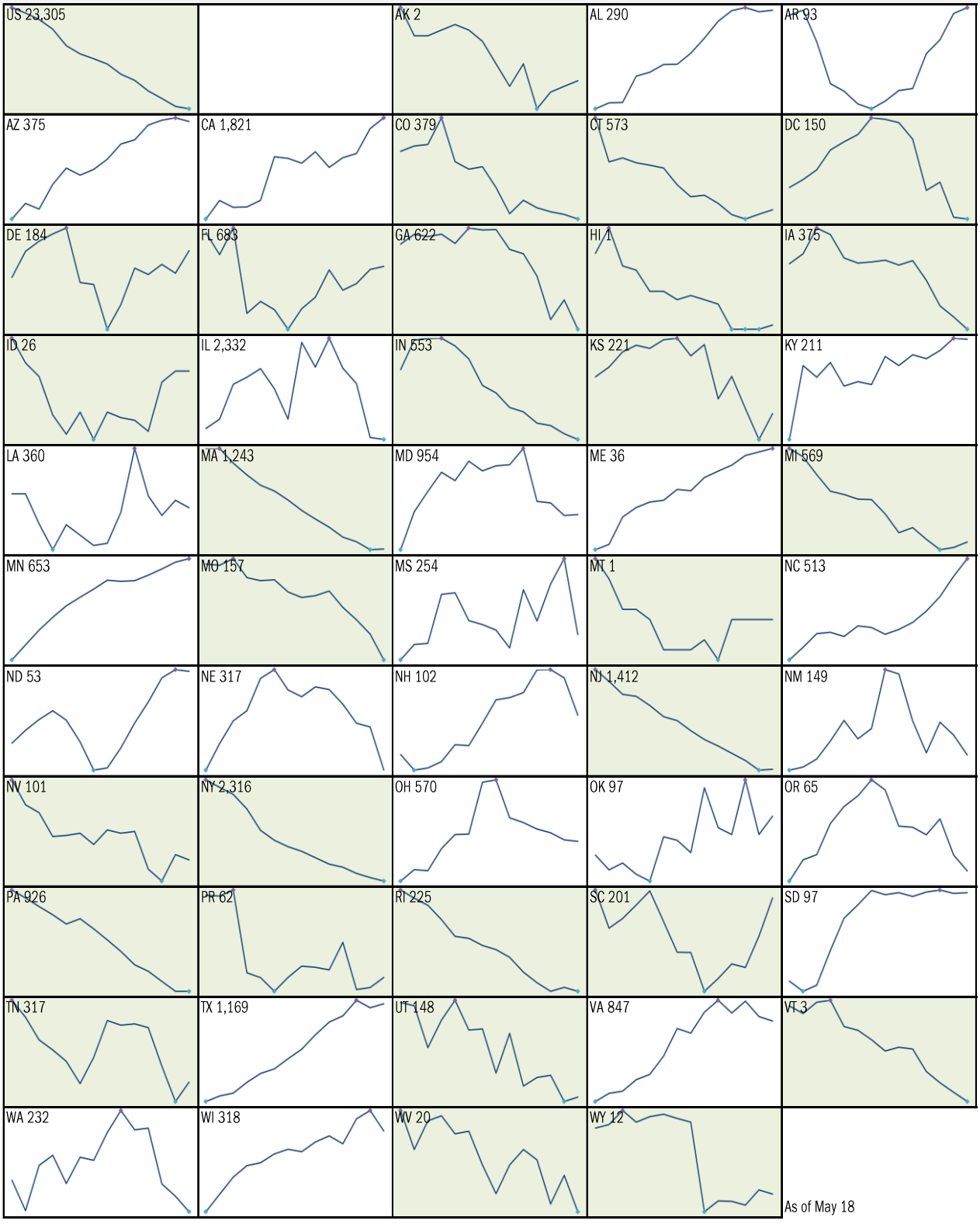
Vertical: number of days it takes to double deaths Horizontal: days from first death



Source: ECDC, TrendMacro calculations

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

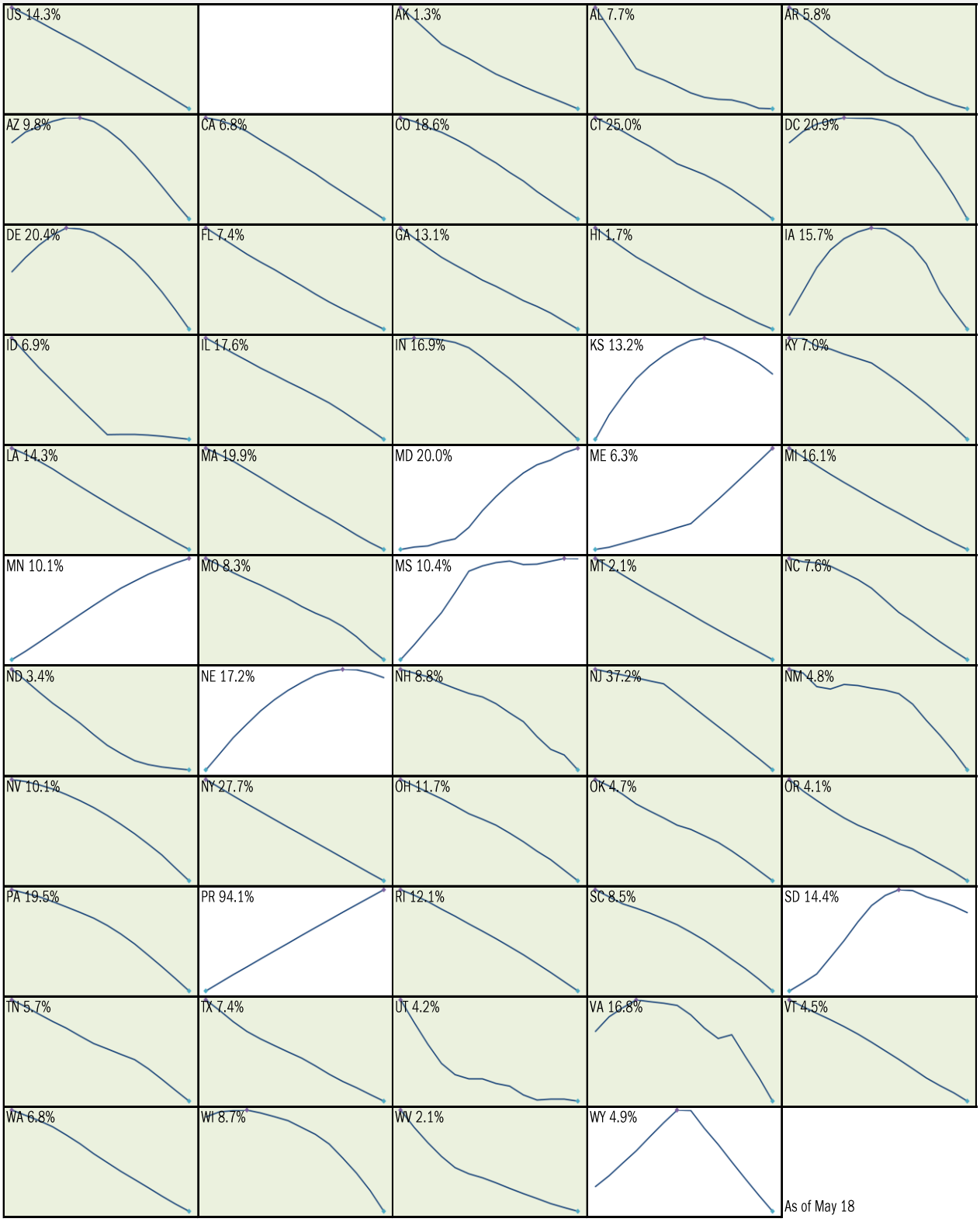
14-day moving average, last 14 days Most recent value displayed • High • Low



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

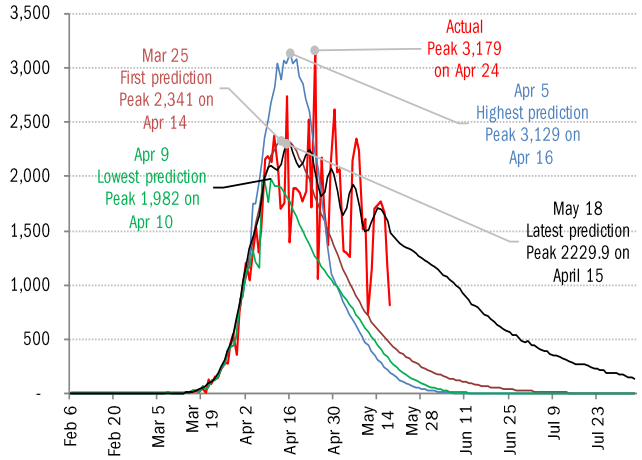


Source: Covid Tracking Project, TrendMacro calculations

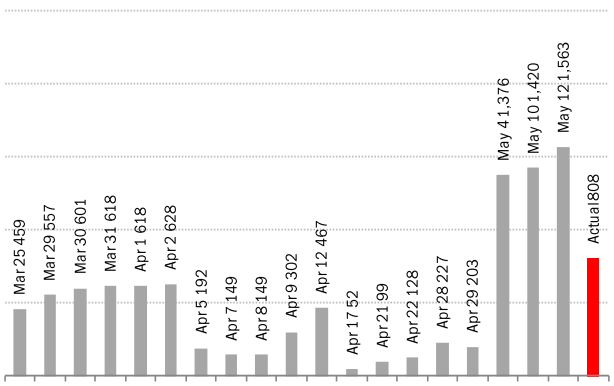
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of May 18

Actual versus first, highest and latest model mean predictions

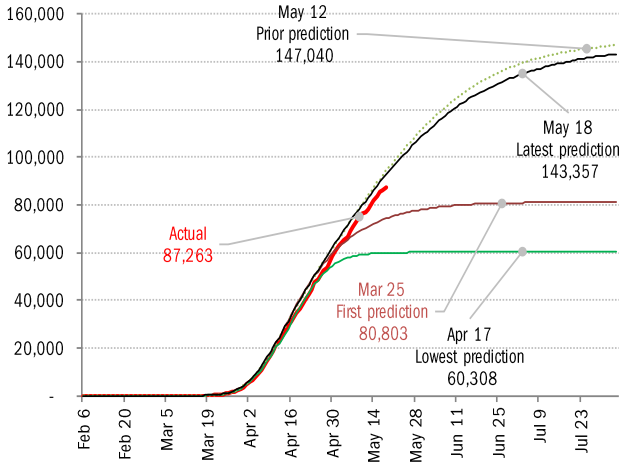


For this day, versus all model mean predictions

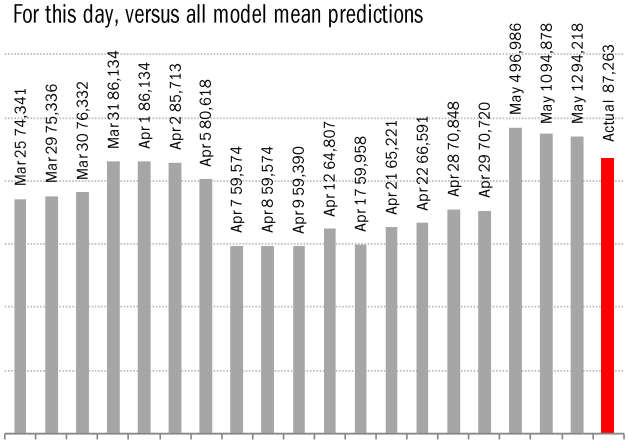


Cumulative fatalities

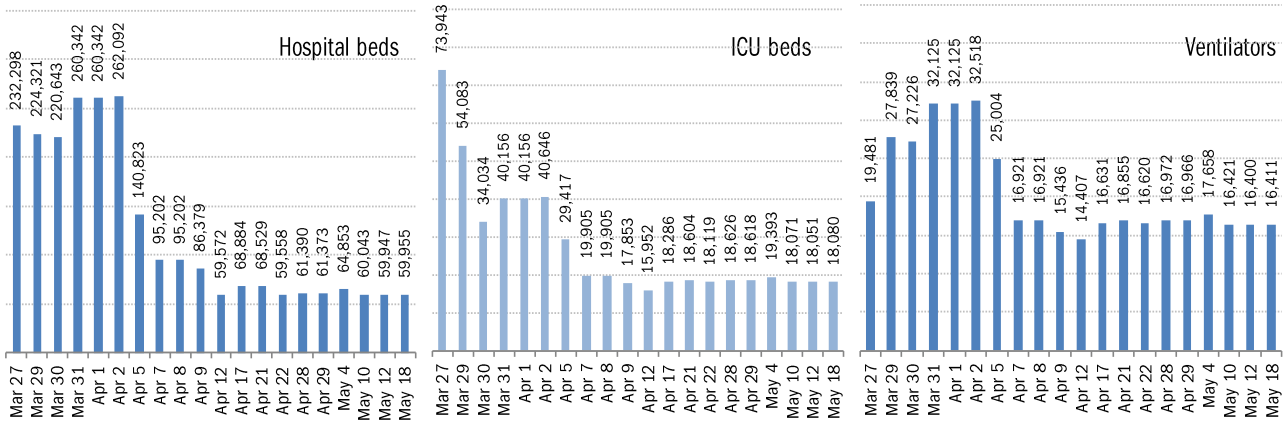
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

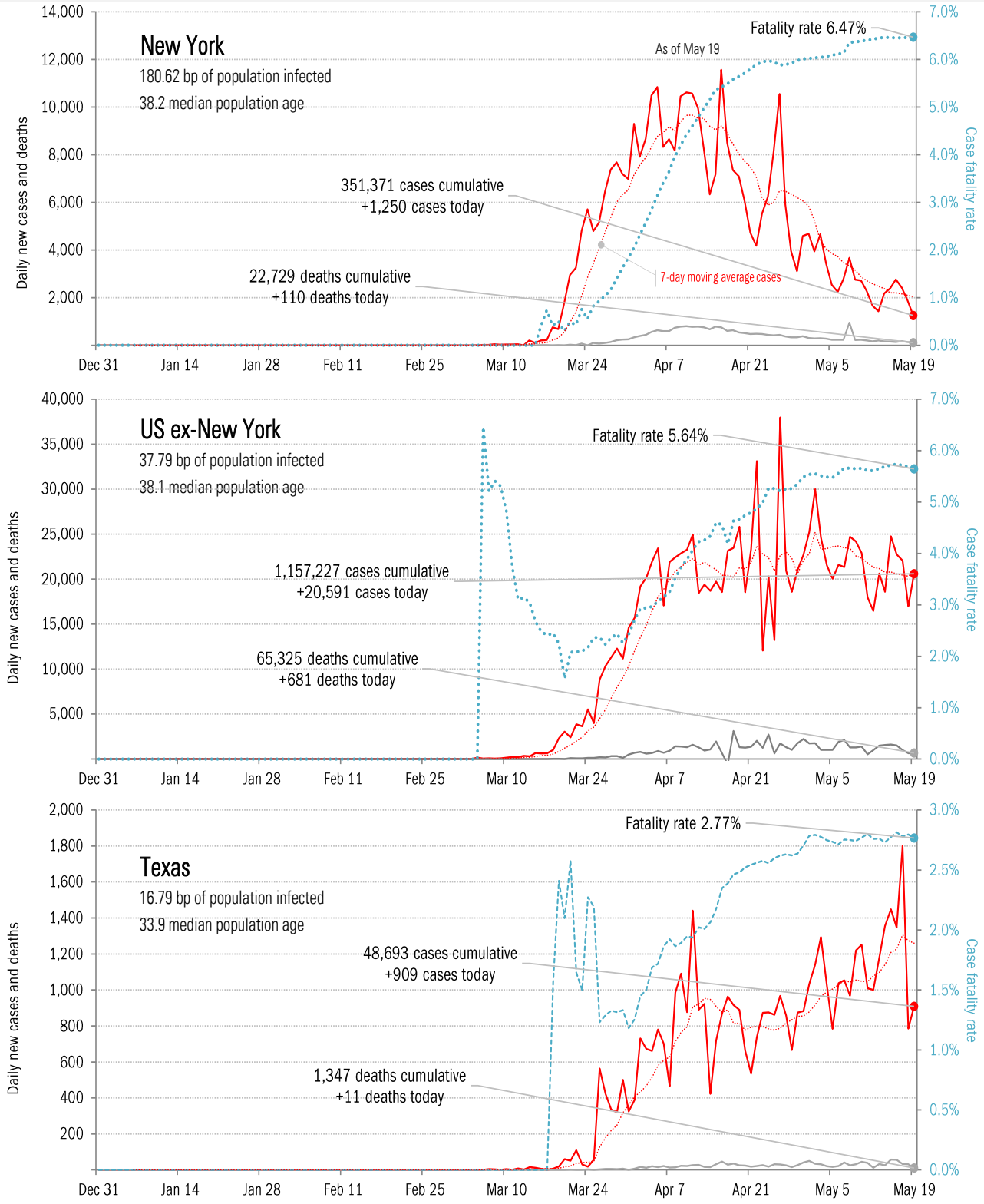


Healthcare system stress, peak estimated at each model revision



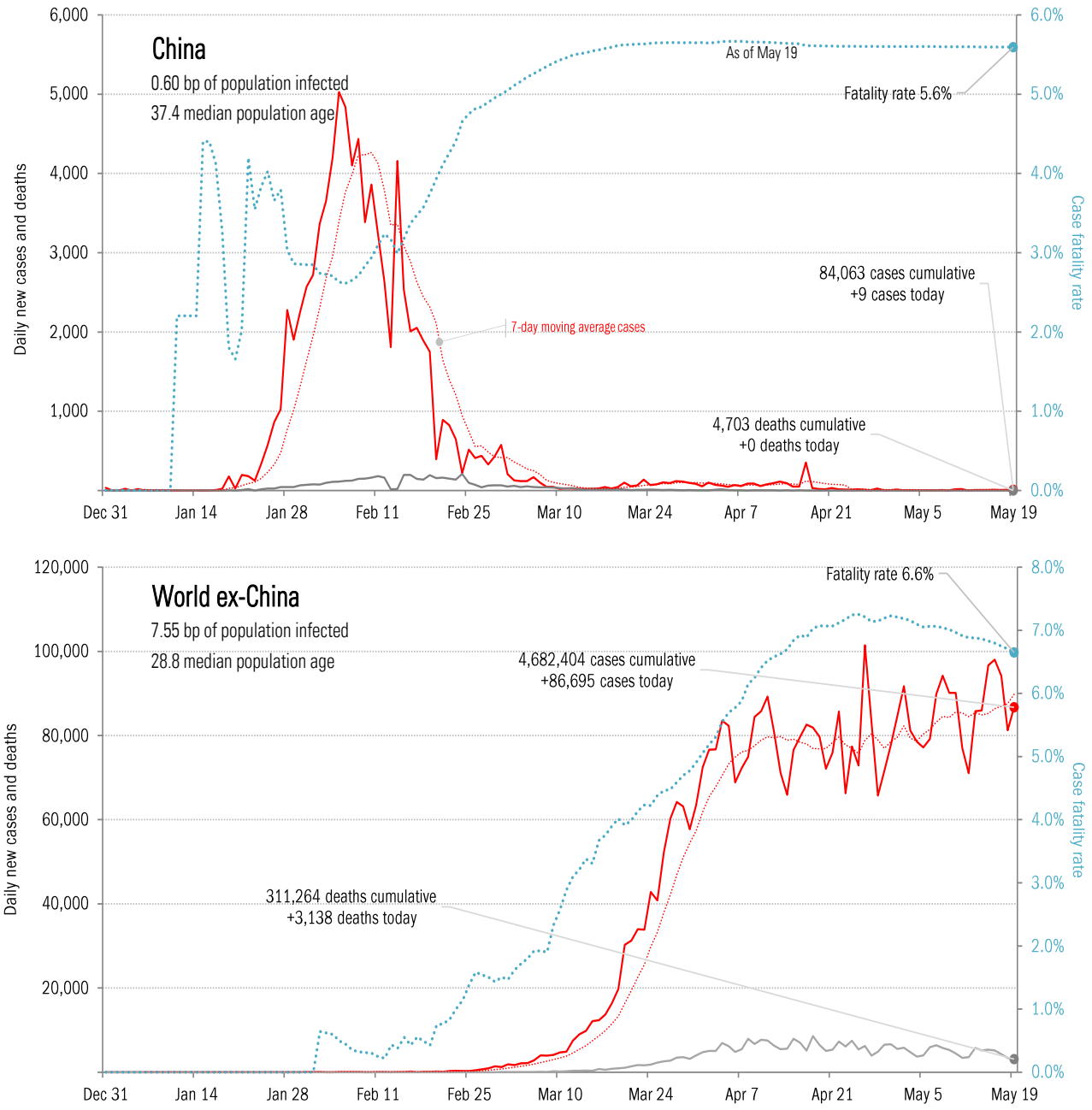
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



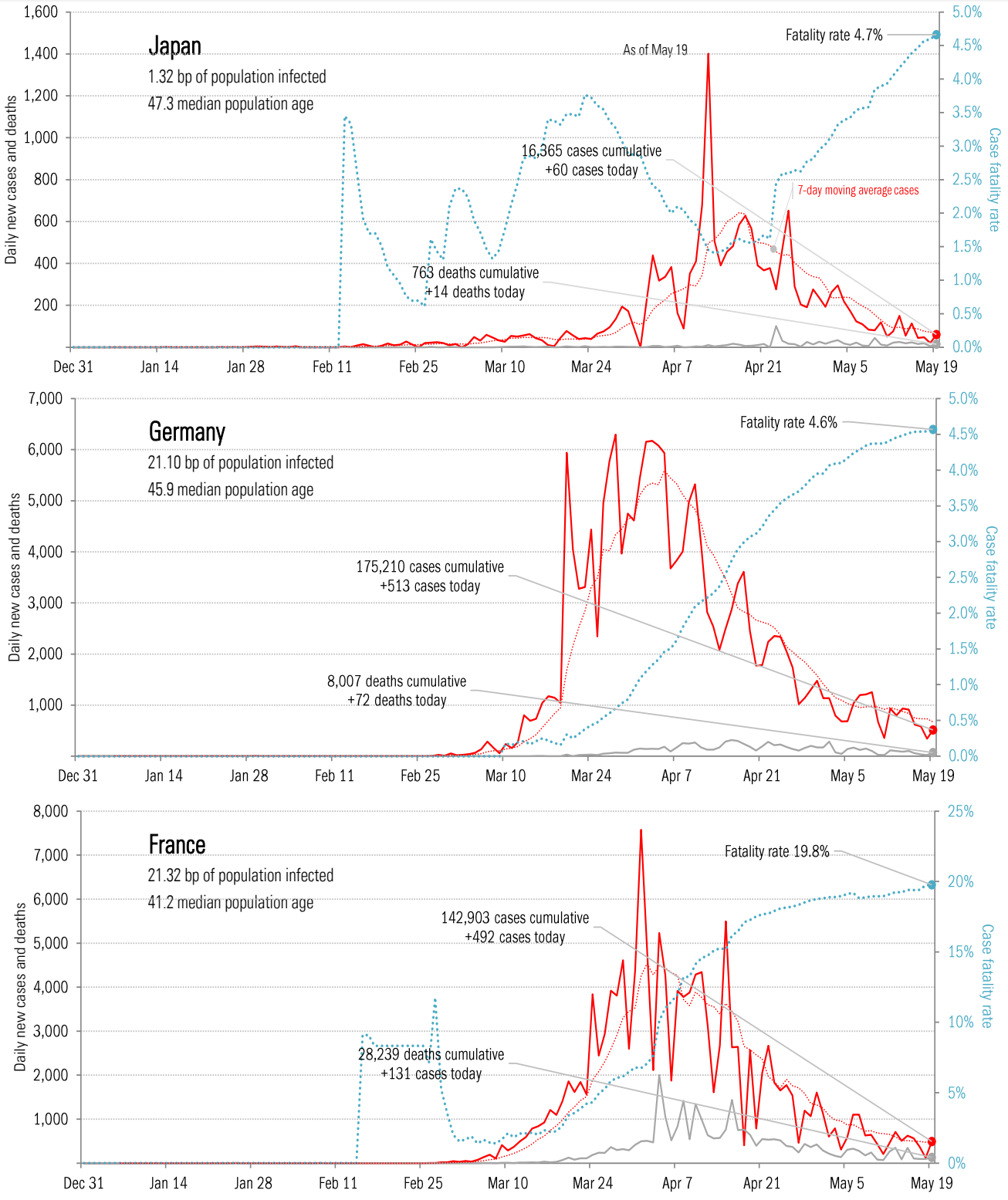
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



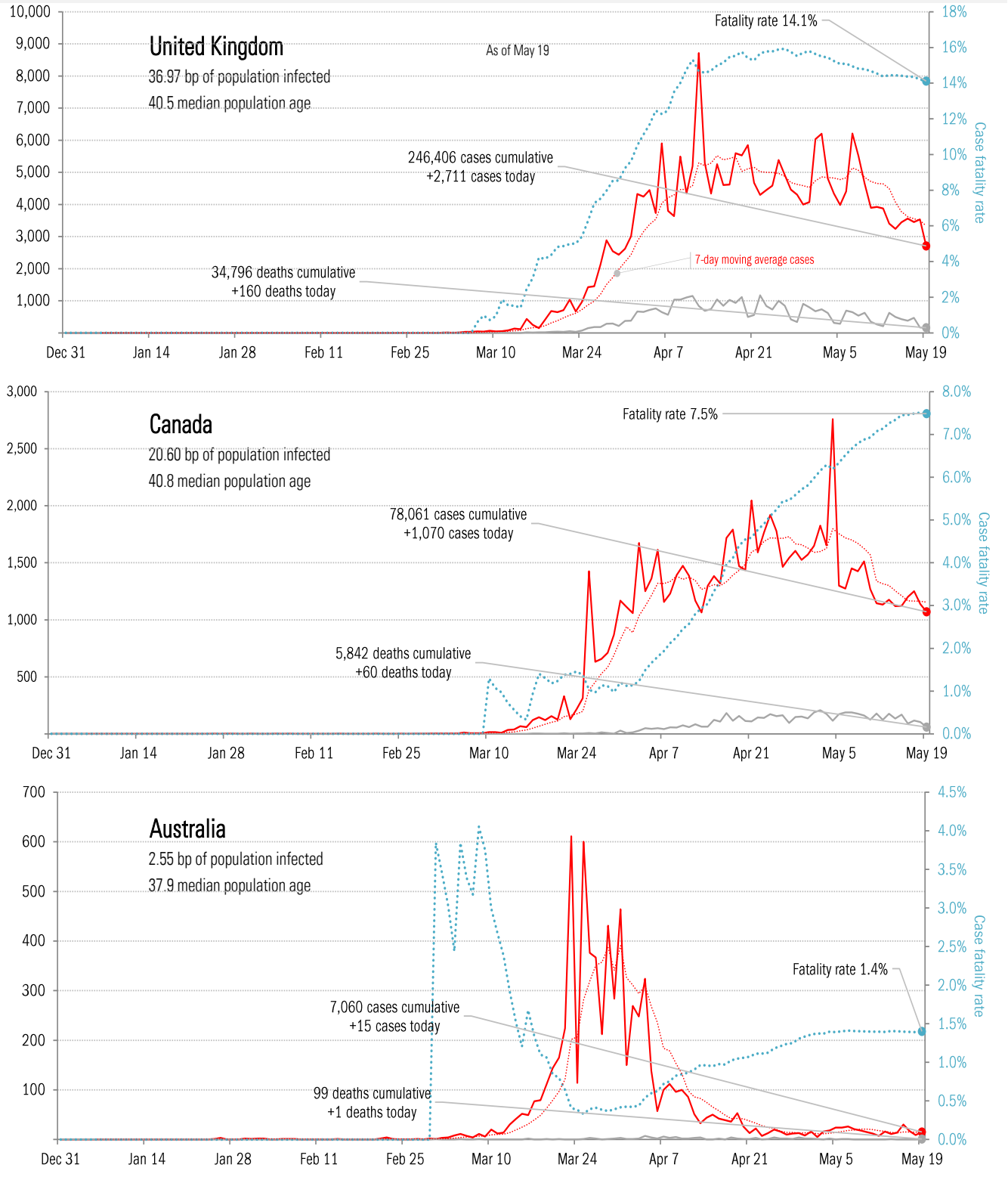
Source: ECDC, TrendMacro calculations

Impact in the largest economies



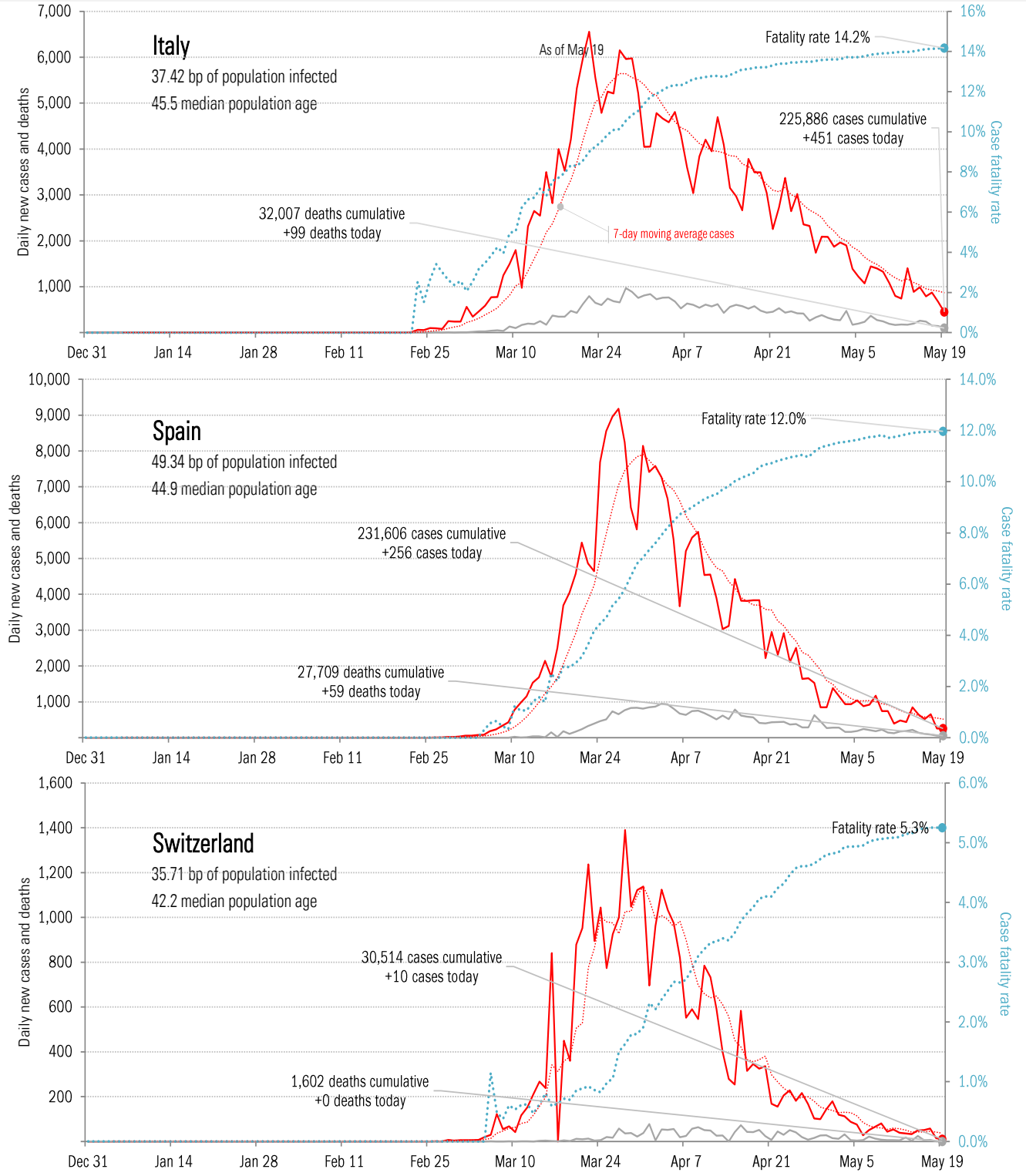
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



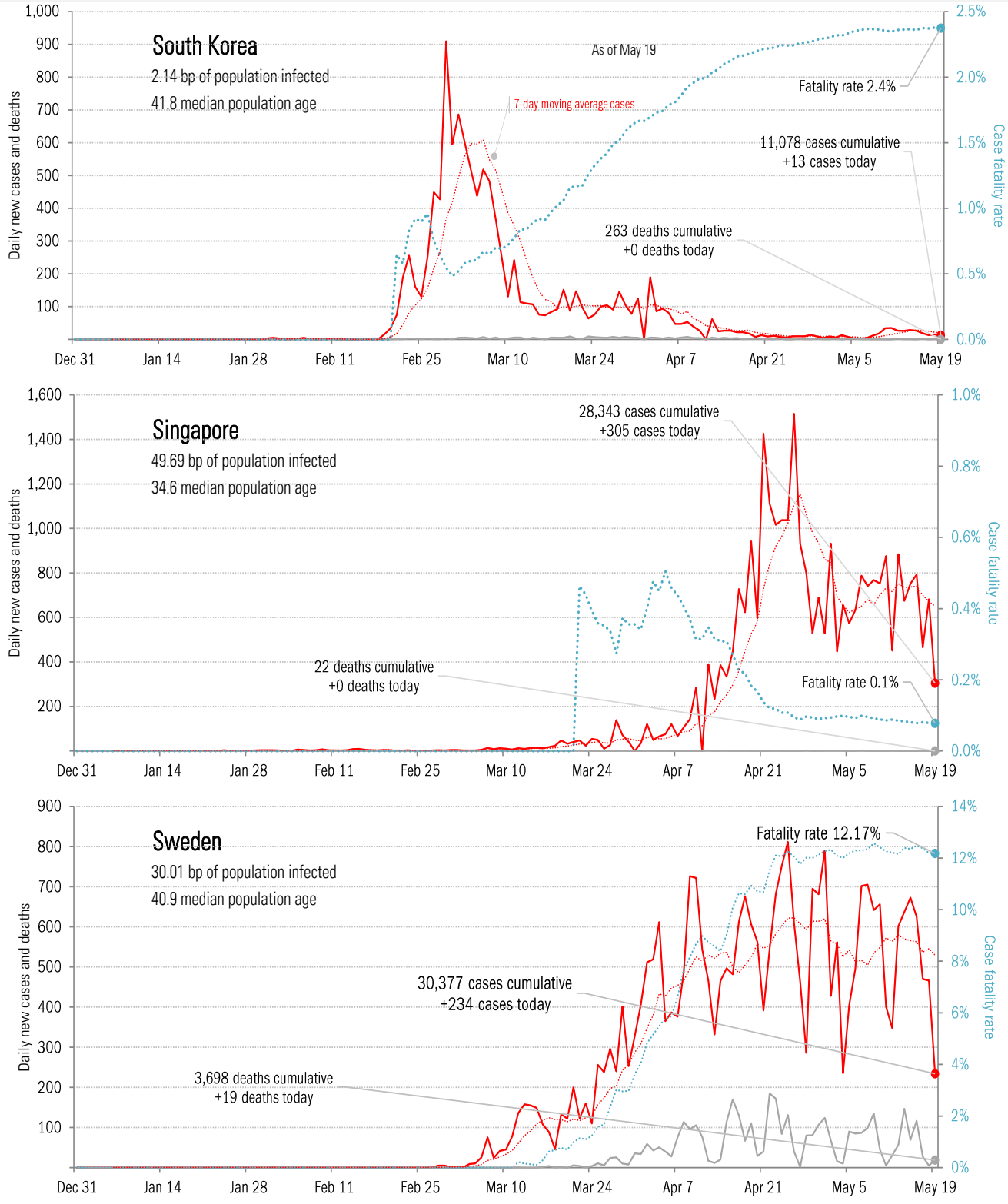
Source: ECDC, TrendMacro calculations

Impact in continental Europe



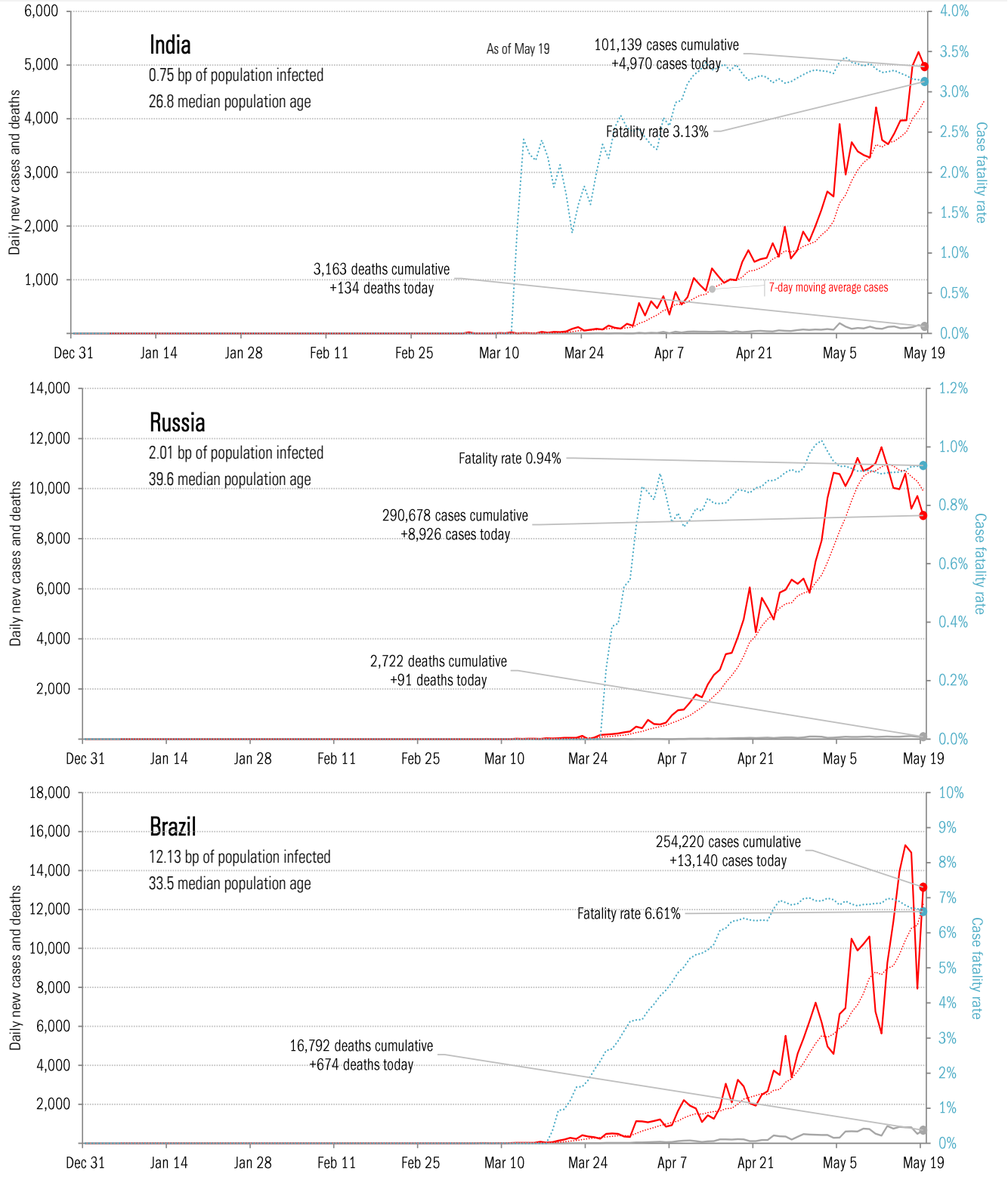
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



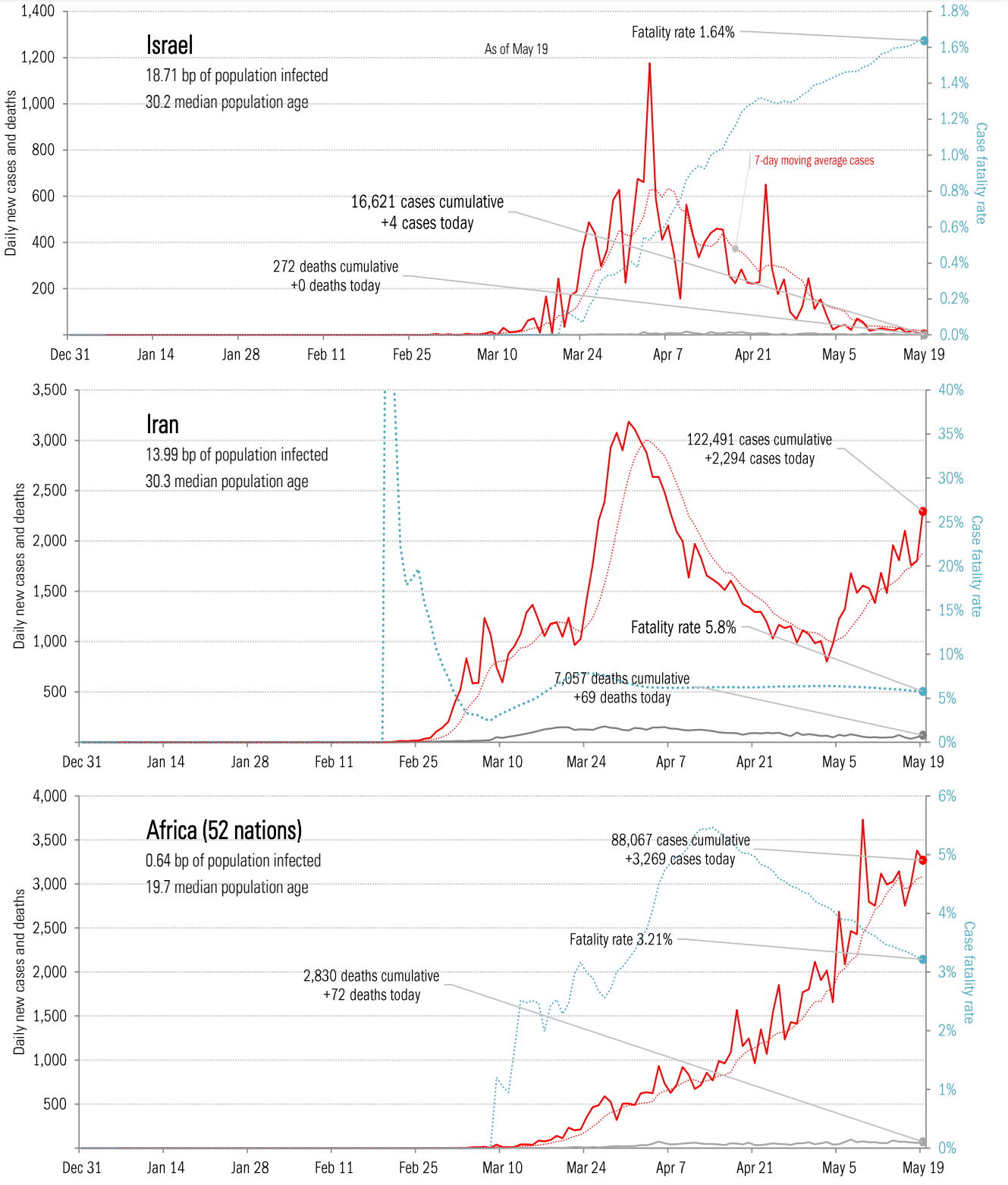
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations