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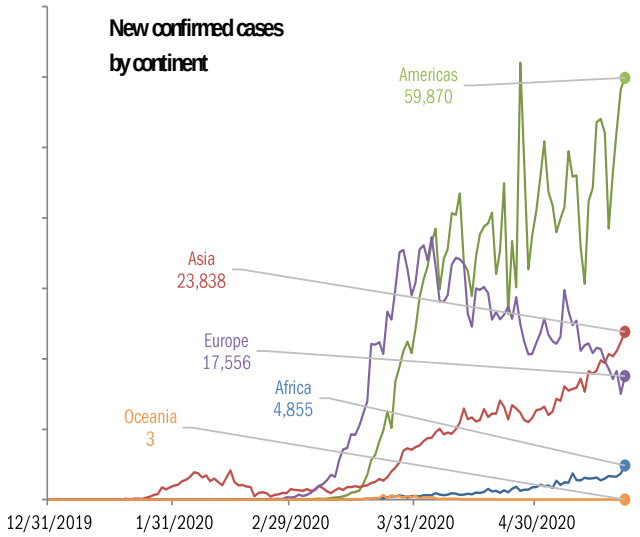
Data Insights: Covid-2019 Monitor

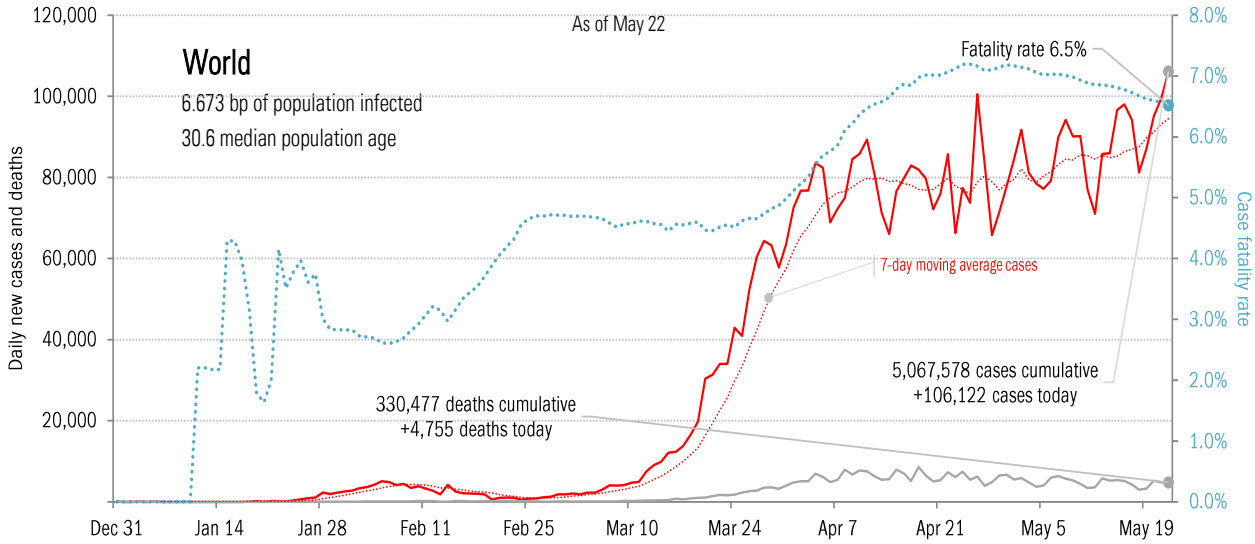
Friday, May 22, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+25,434	US	+1,263
Brazil	+18,508	Brazil	+1,188
Russia	+8,849	Mexico	+420
India	+6,088	UK	+338
Peru	+4,749	Italy	+156
Chile	+3,964	India	+148
Mexico	+2,973	Russia	+127
UK	+2,615	Peru	+124
Pakistan	+2,603	Canada	+122
Saudi	+2,532	France	+83
	+78,315		+3,969
World	+106,122	World	+4,755
Top ten	74%	Top ten	83%





Source: ECDC, TrendMacro calculations

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The US scorecard

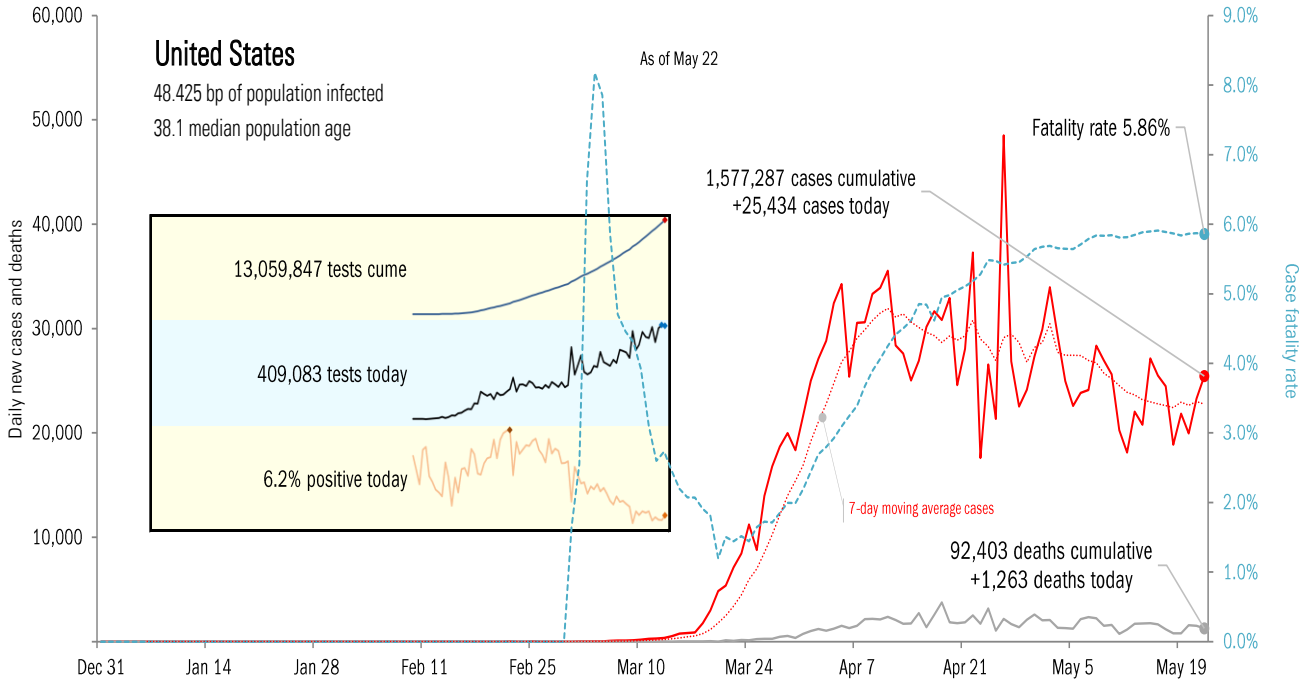
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
IL	+2,268	PA	+245	FL	+266	NY	356,458	NY	23,083	NY	76,608
CA	+2,140	MI	+159	VA	+210	NJ	151,472	NJ	10,843	CT	10,946
NY	+2,088	NY	+107	NY	+198	IL	102,686	MA	6,148	FL	9,200
PA	+1,726	CA	+106	MA	+143	MA	90,084	MI	5,219	MA	9,040
VA	+1,229	NJ	+96	GA	+128	CA	86,197	PA	4,869	MD	7,485
MD	+1,208	IL	+82	OH	+97	PA	65,392	IL	4,607	GA	7,235
FL	+1,204	MA	+82	MD	+92	MI	53,510	CT	3,582	VA	6,269
LA	+1,188	GA	+67	MN	+72	TX	51,323	CA	3,542	OH	5,295
MA	+1,114	OH	+55	WI	+57	FL	48,675	LA	2,629	IN	4,389
NJ	+1,073	CT	+53	AZ	+38	MD	43,531	FL	2,222	CO	3,990
	+15,238		+1,052		+1,301		1,049,328		66,744		140,457
All states	+25,118	All states	+1,513	All states	+1,513	All states	1,567,427	All states	88,985	All states	163,129
Top ten	61%	Top ten	70%	Top ten	86%	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	
TX	-1,411	NJ	-65	NM	-253	NY	+940
CT	-396	IL	-64	MD	-102	TN	+408
NJ	-313	TX	-50	VA	-81	IA	+310
KS	-199	MA	-46	NY	-44	NJ	+291
RI	-190	AZ	-27	MS	-30	WI	+284



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

Recommended reading

[Lockdowns Haven't Proved They're Worth the Havoc](#)
Joe Nocero
Bloomberg
May 21, 2020

[Trump Is Gambling on a Resurrection, With Lives and Livelihoods](#)
Peter Coy
Bloomberg BusinessWeek
May 21, 2020

[US Unemployment Insurance Replacement Rates During the Pandemic](#)
Peter Ganong, Pascal Noel, Joseph S. Vavra
Becker Friedman Center, University of Chicago
May 15, 2020

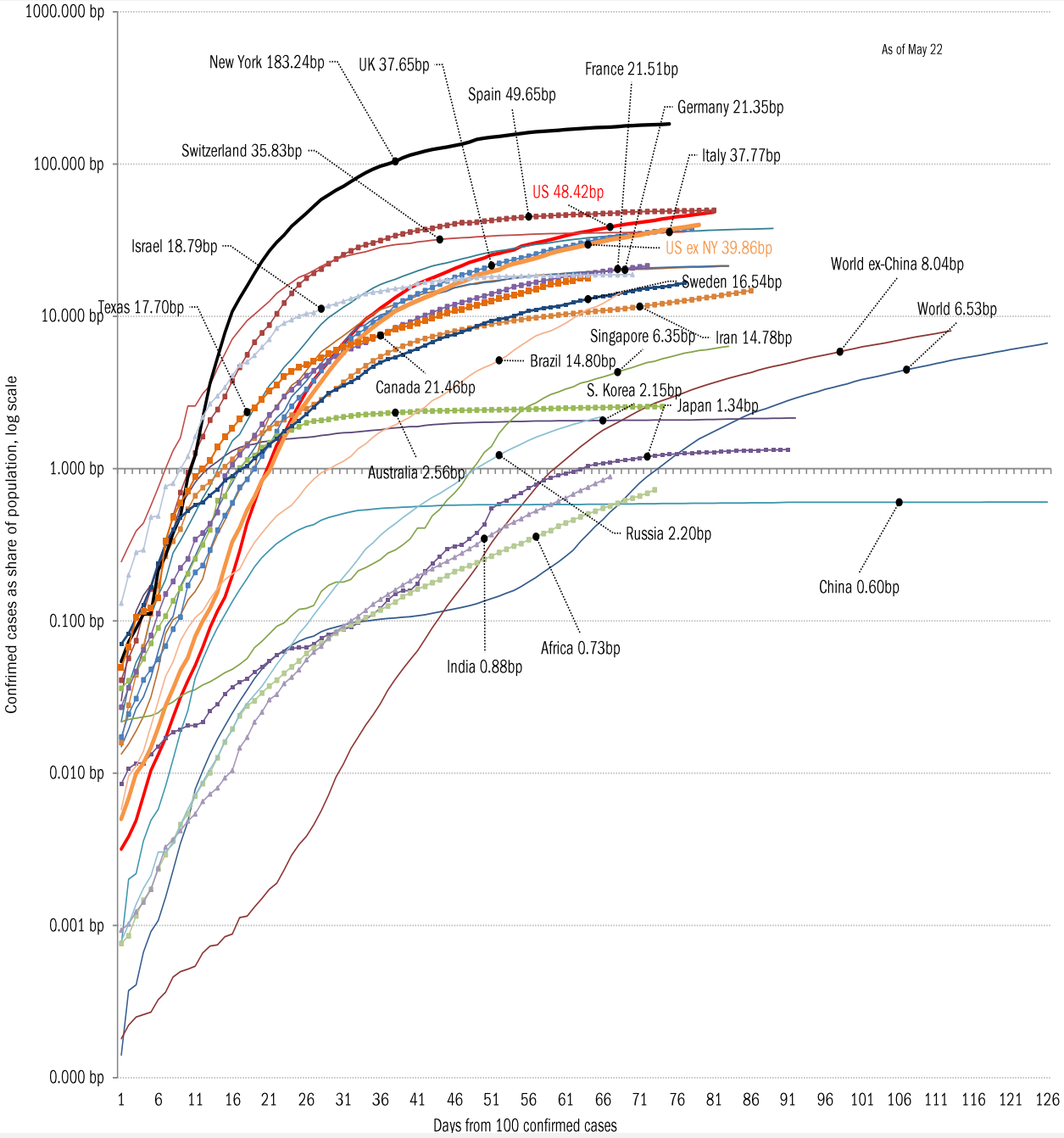
[State Unemployment Benefits and Returning to Work](#)
Isabel Soto
American Action Forum
May 13, 2020

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

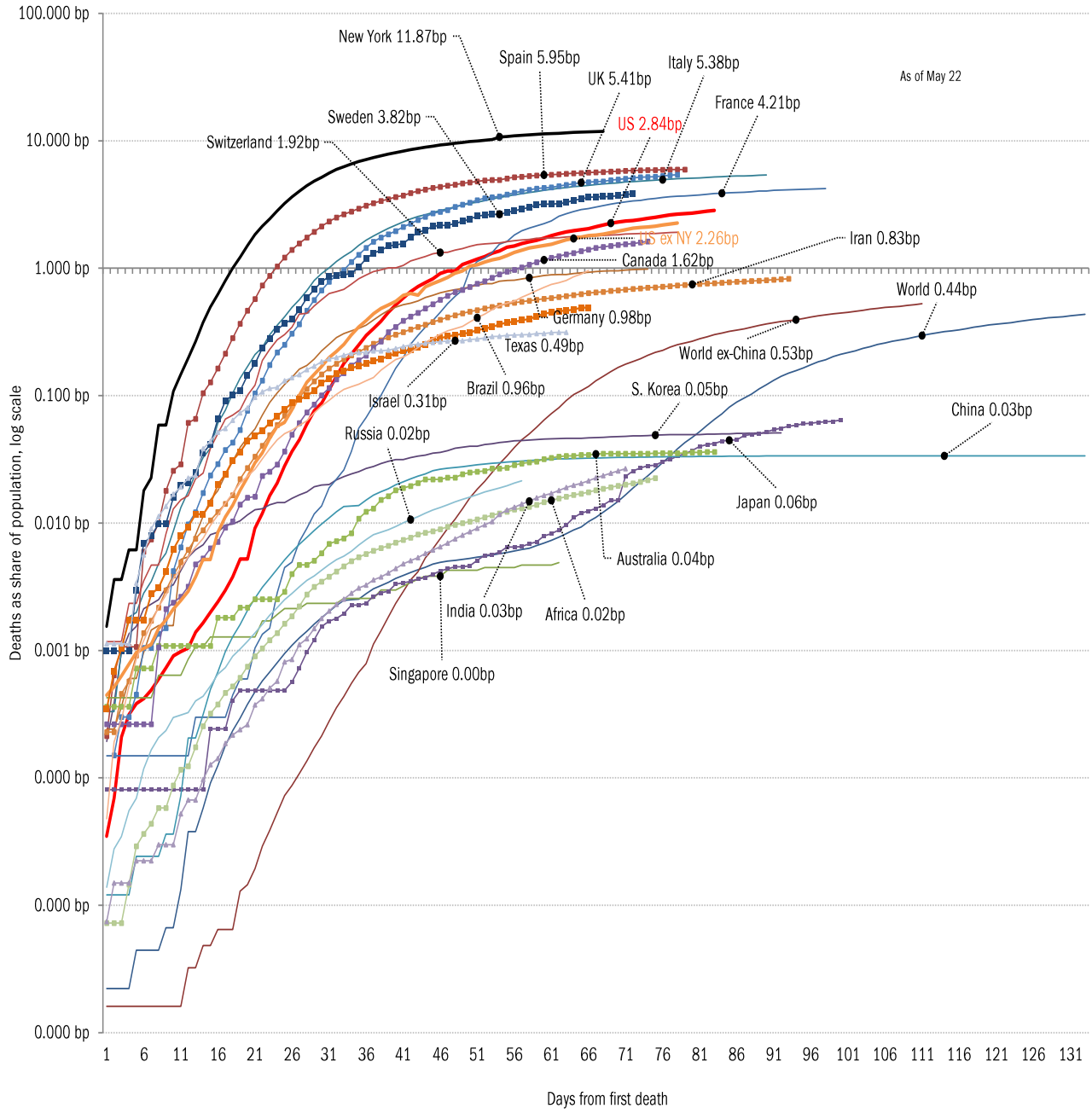
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

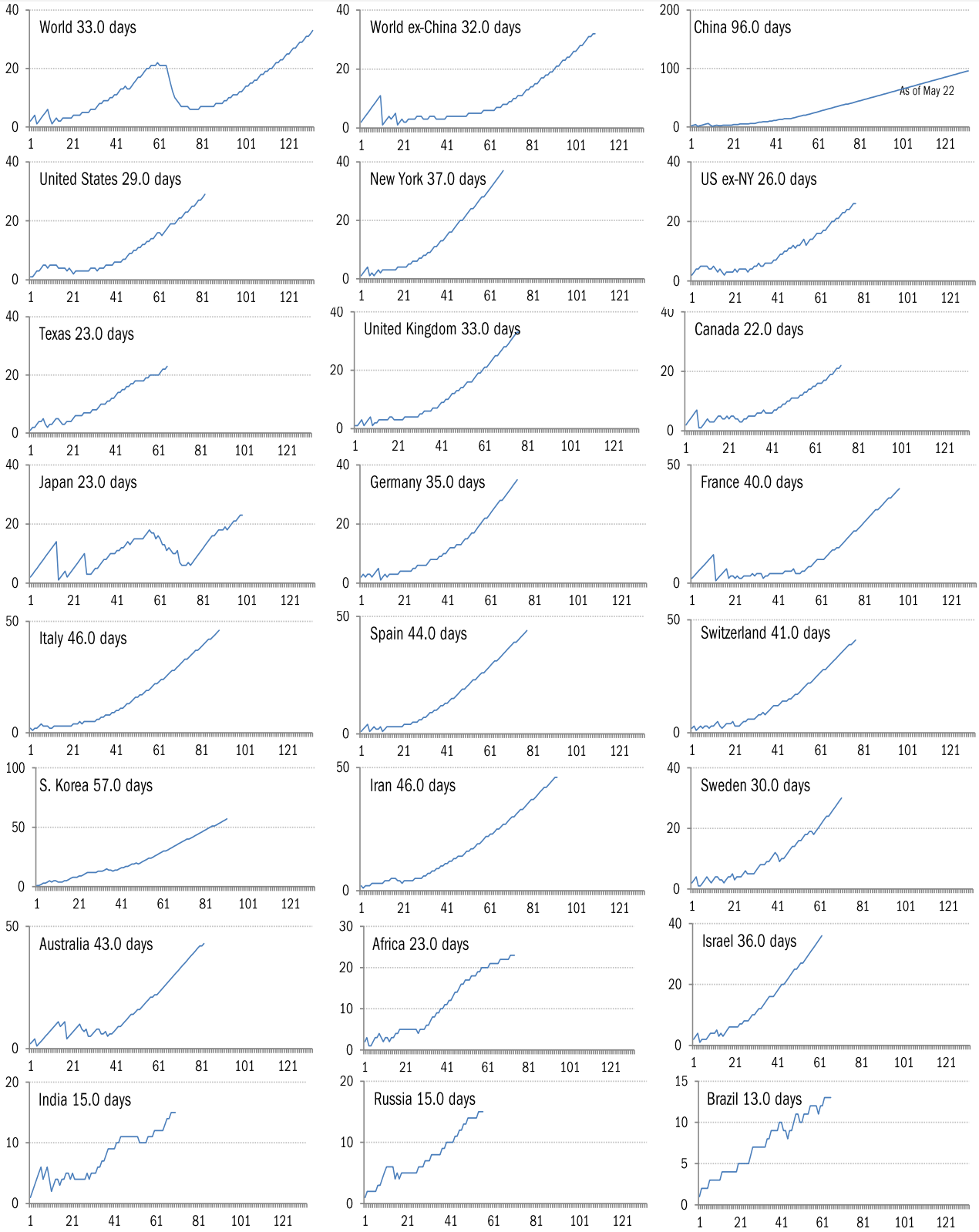
Share of deceased population from day of first fatality



Source: ECDC, TrendMacro calculations

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

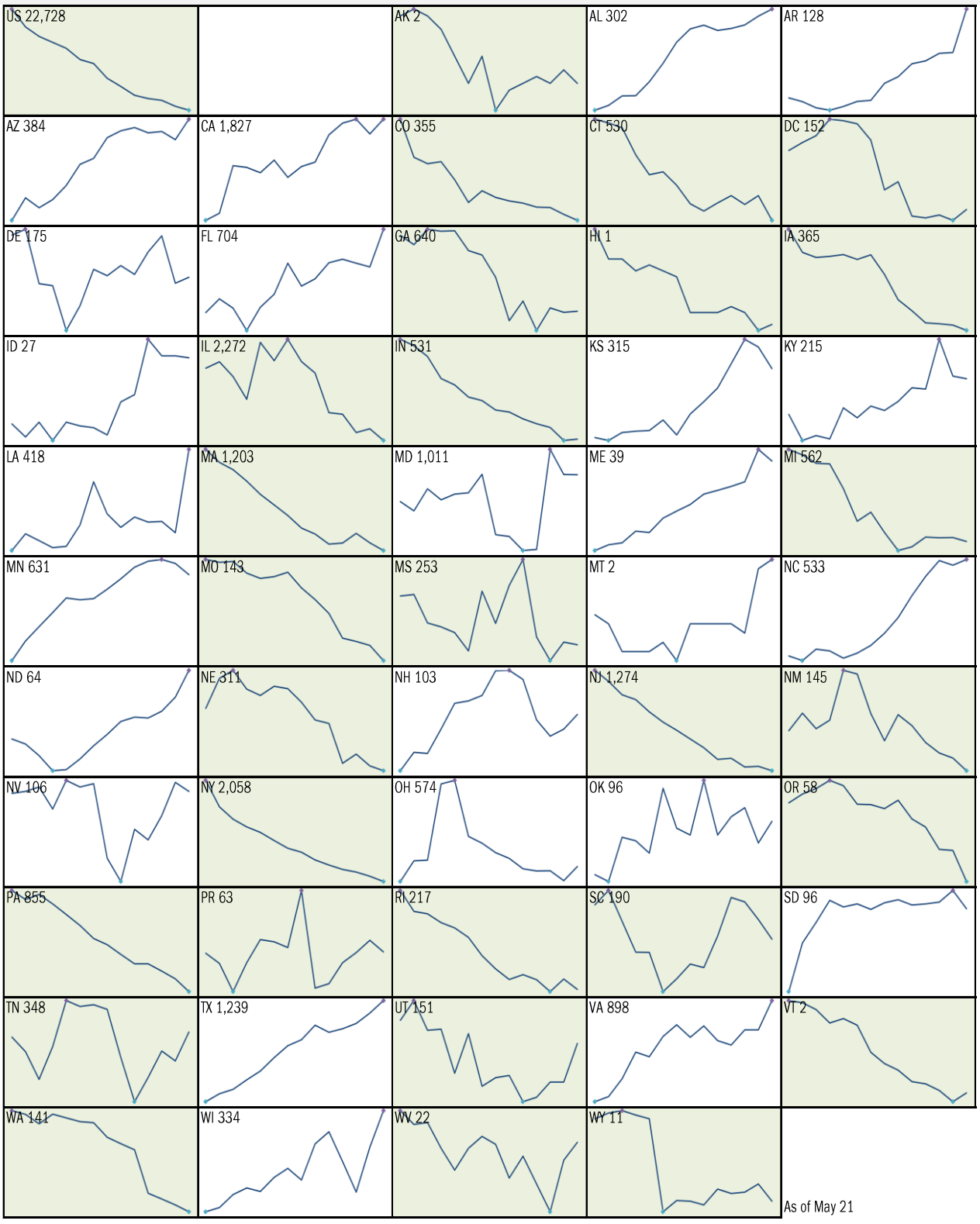
Vertical: number of days it takes to double deaths Horizontal: days from first death



Source: ECDC, TrendMacro calculations

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

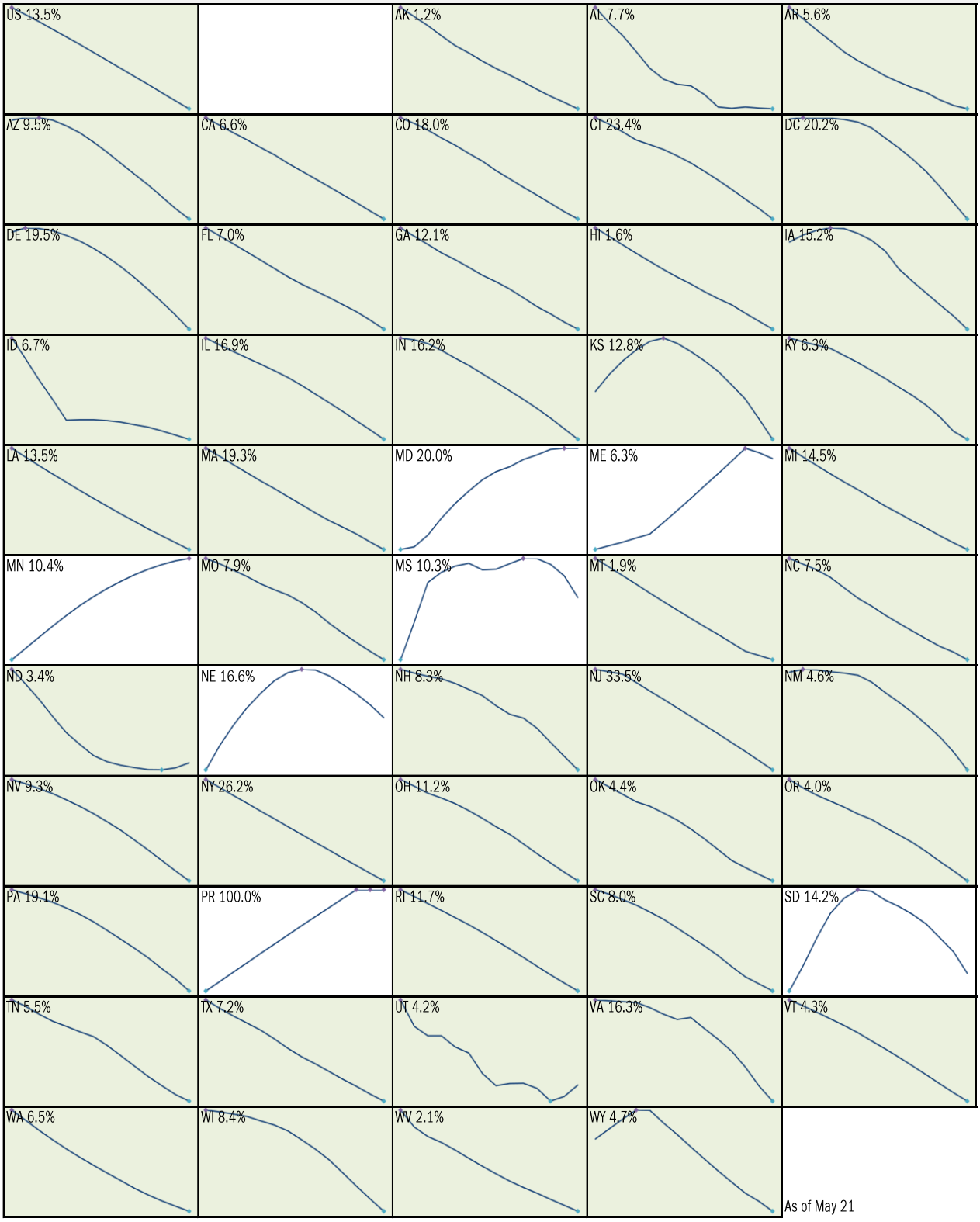
14-day moving average, last 14 days Most recent value displayed • High • Low



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

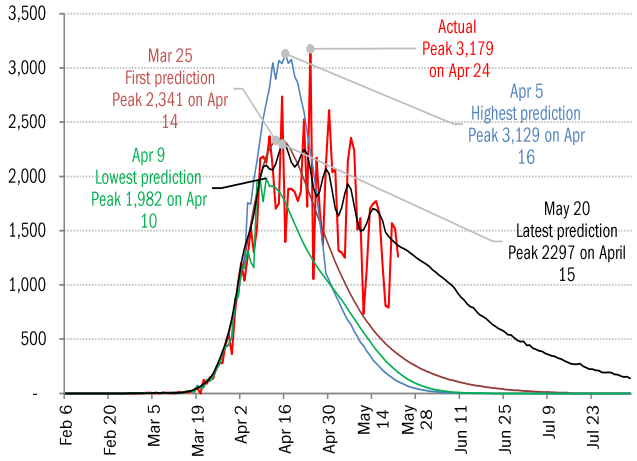


Source: Covid Tracking Project, TrendMacro calculations

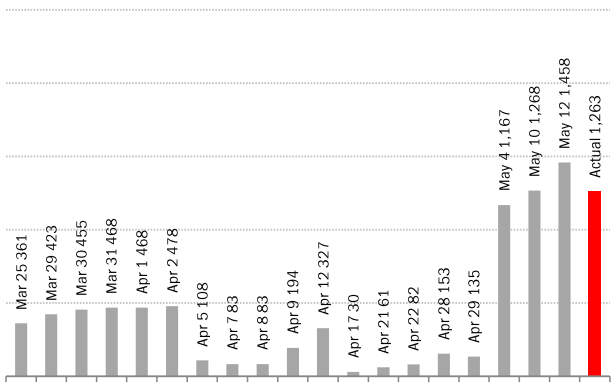
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of May 22

Actual versus first, highest and latest model mean predictions

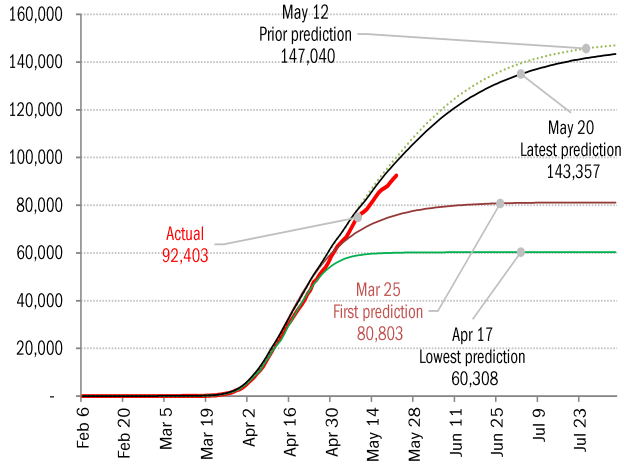


For this day, versus all model mean predictions

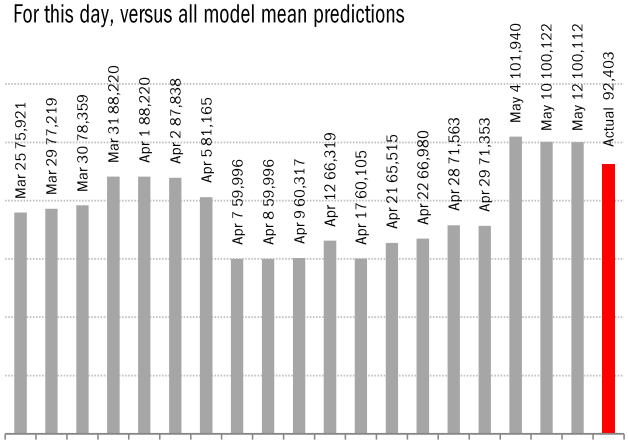


Cumulative fatalities

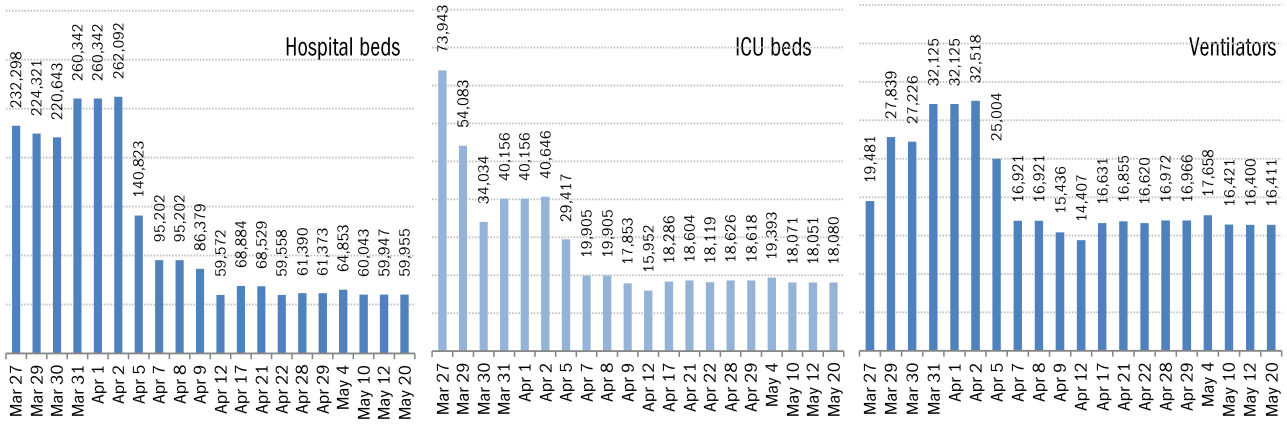
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

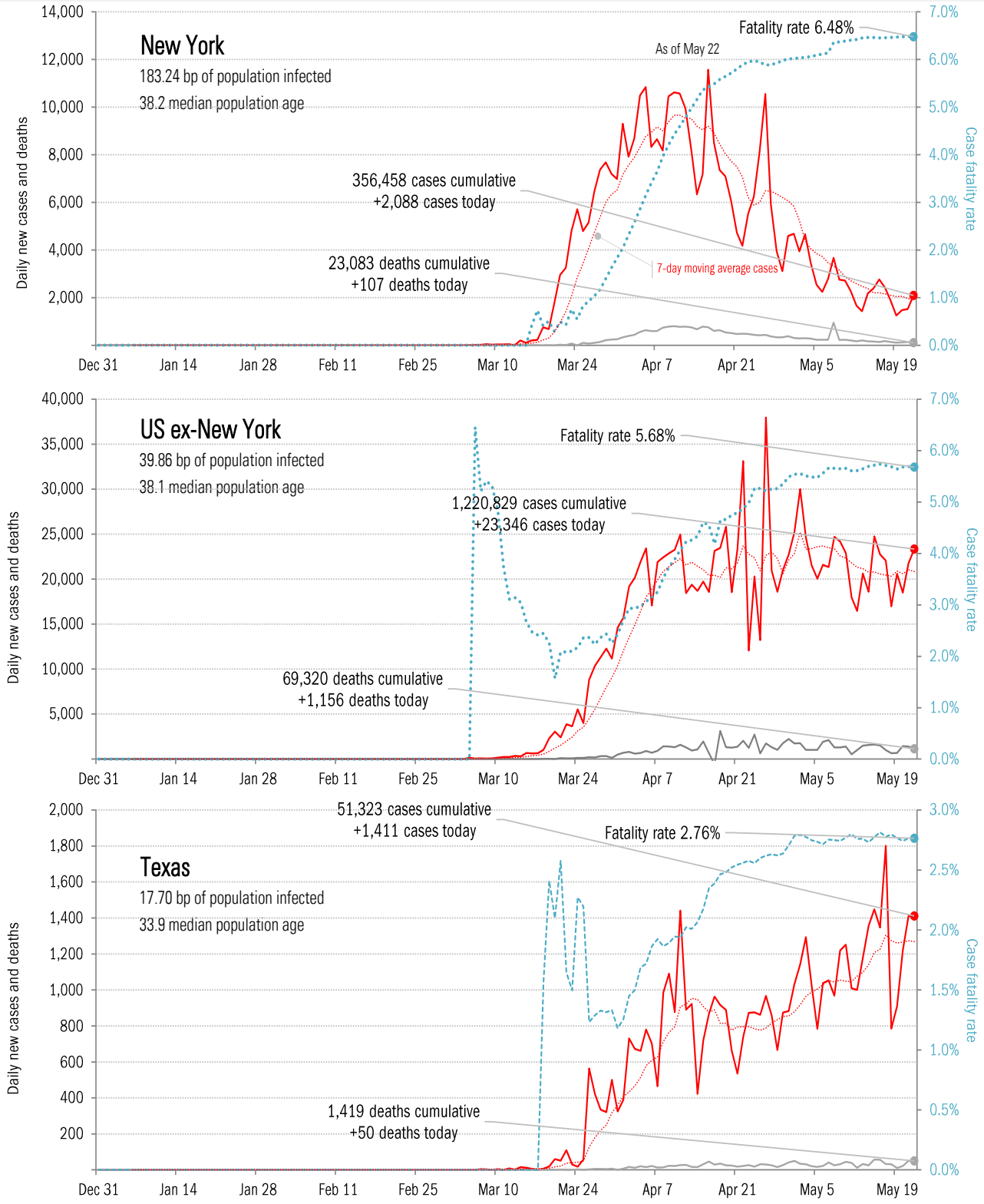


Healthcare system stress, peak estimated at each model revision



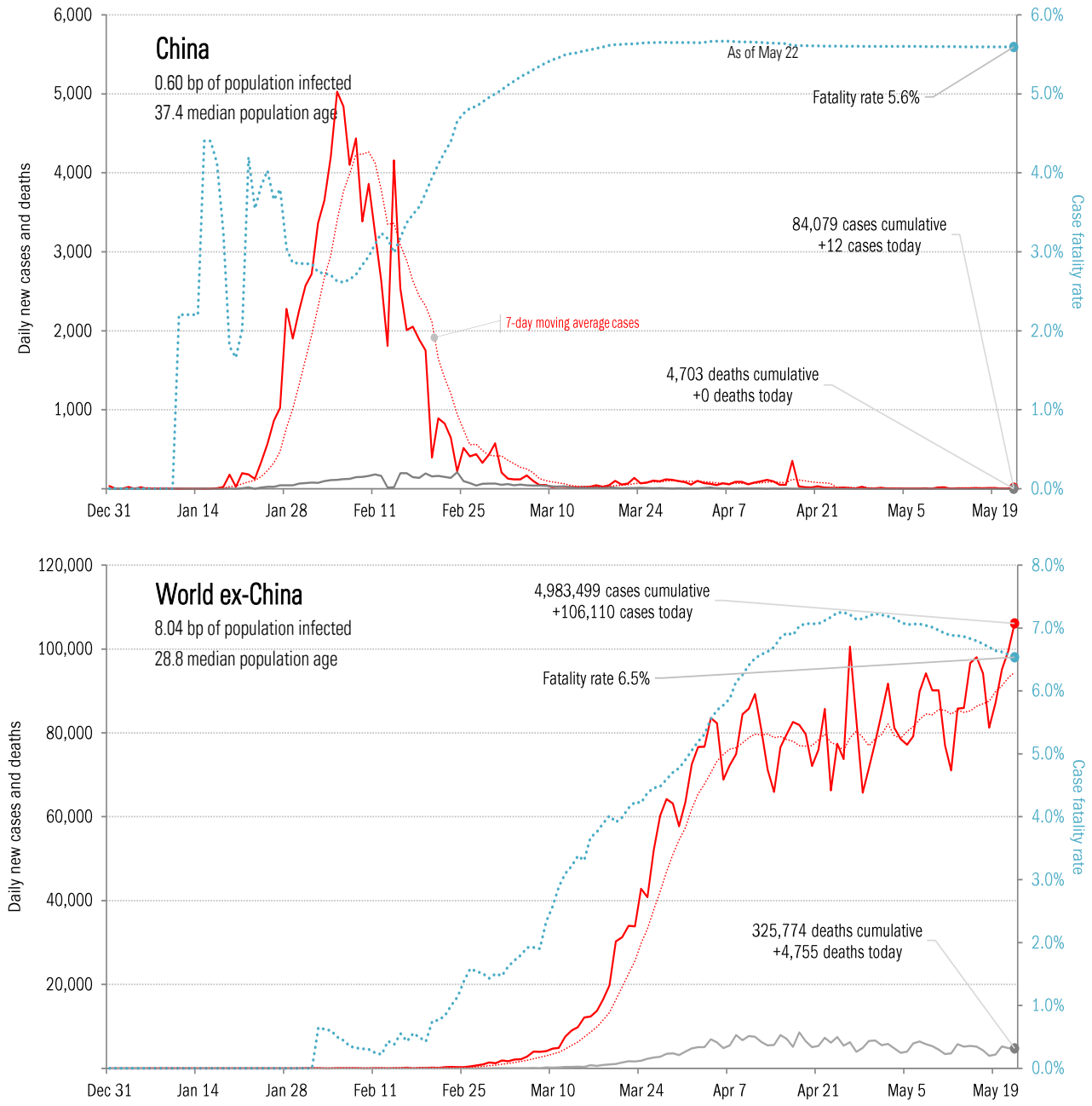
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



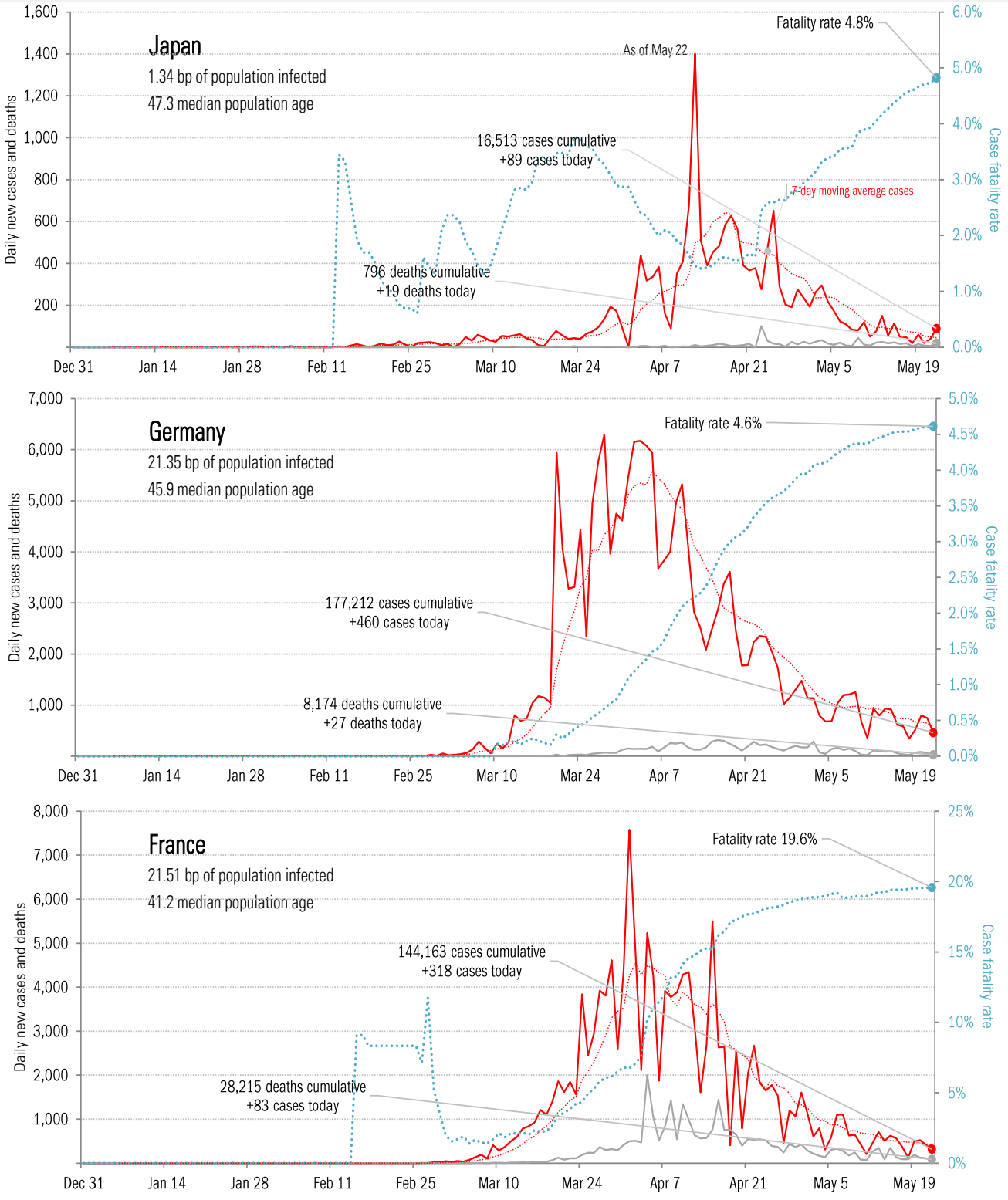
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



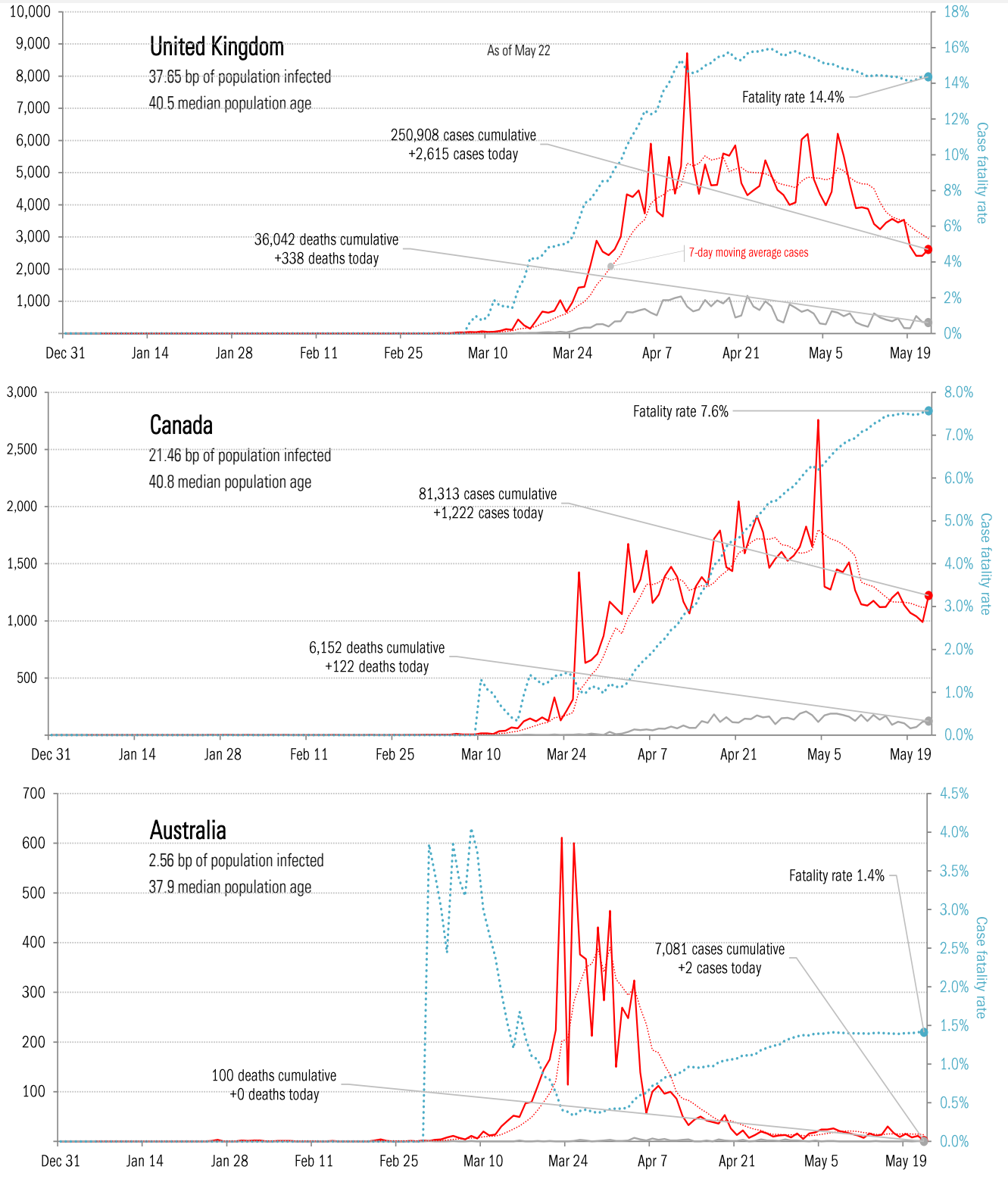
Source: ECDC, TrendMacro calculations

Impact in the largest economies



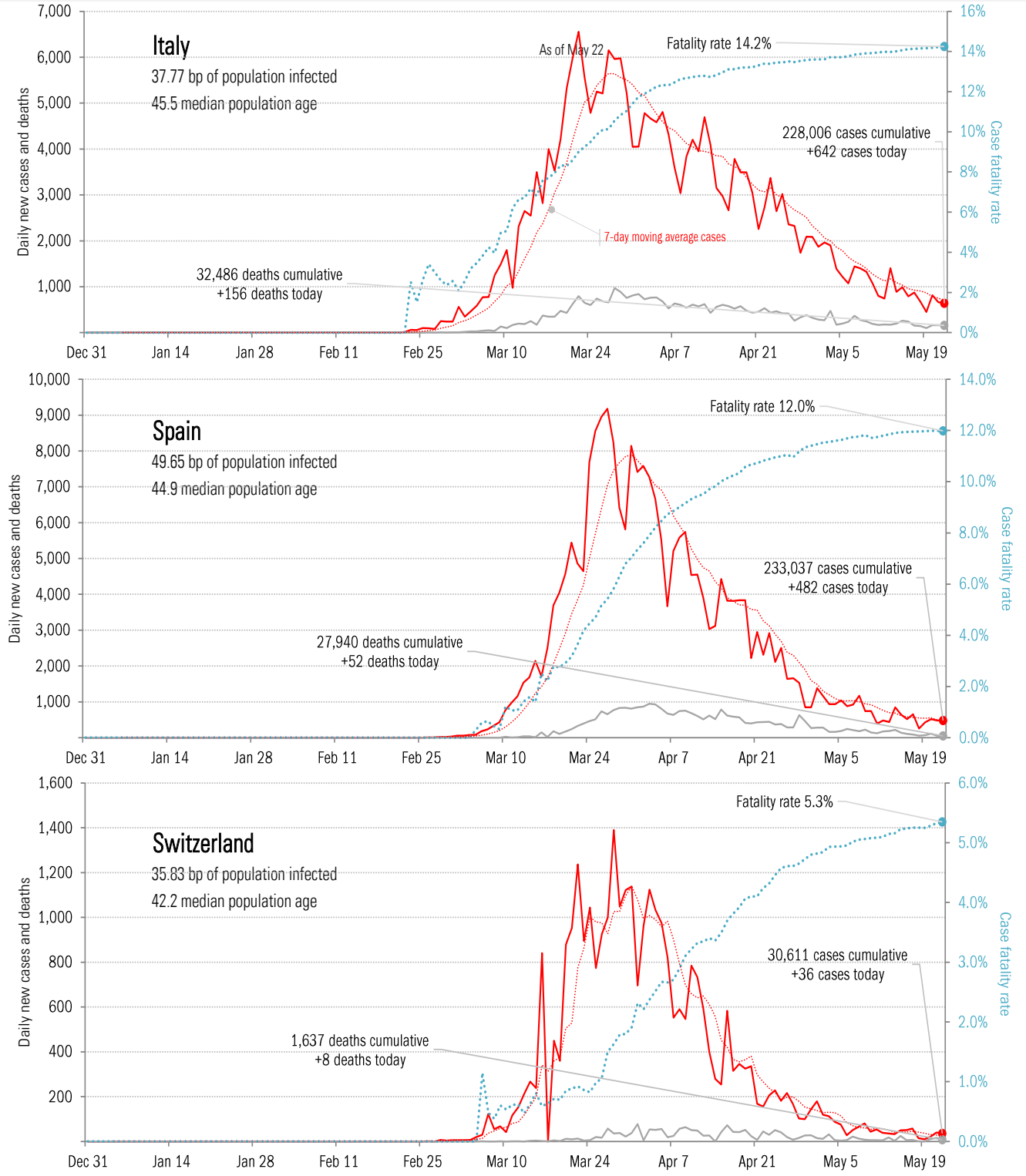
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



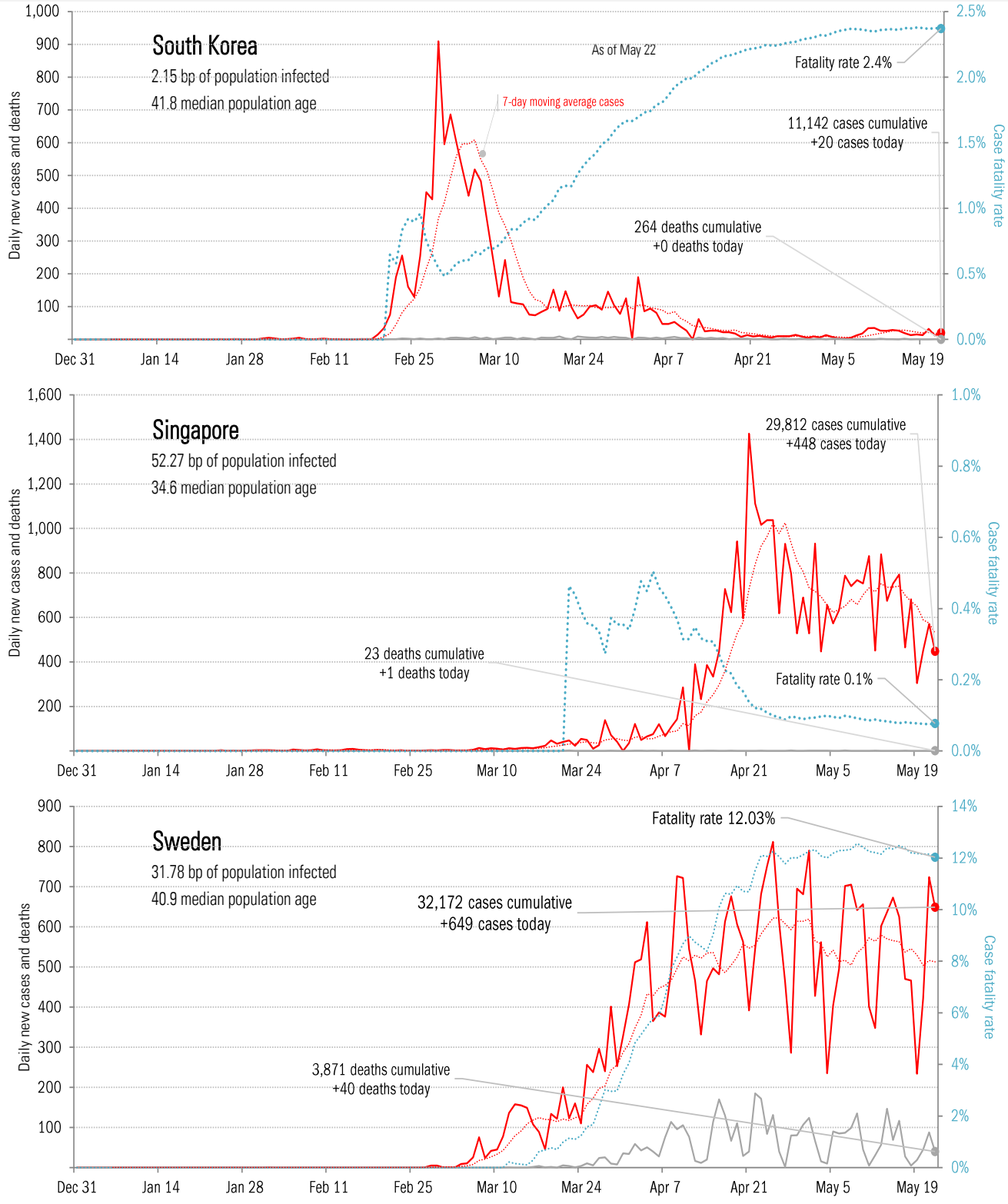
Source: ECDC, TrendMacro calculations

Impact in continental Europe



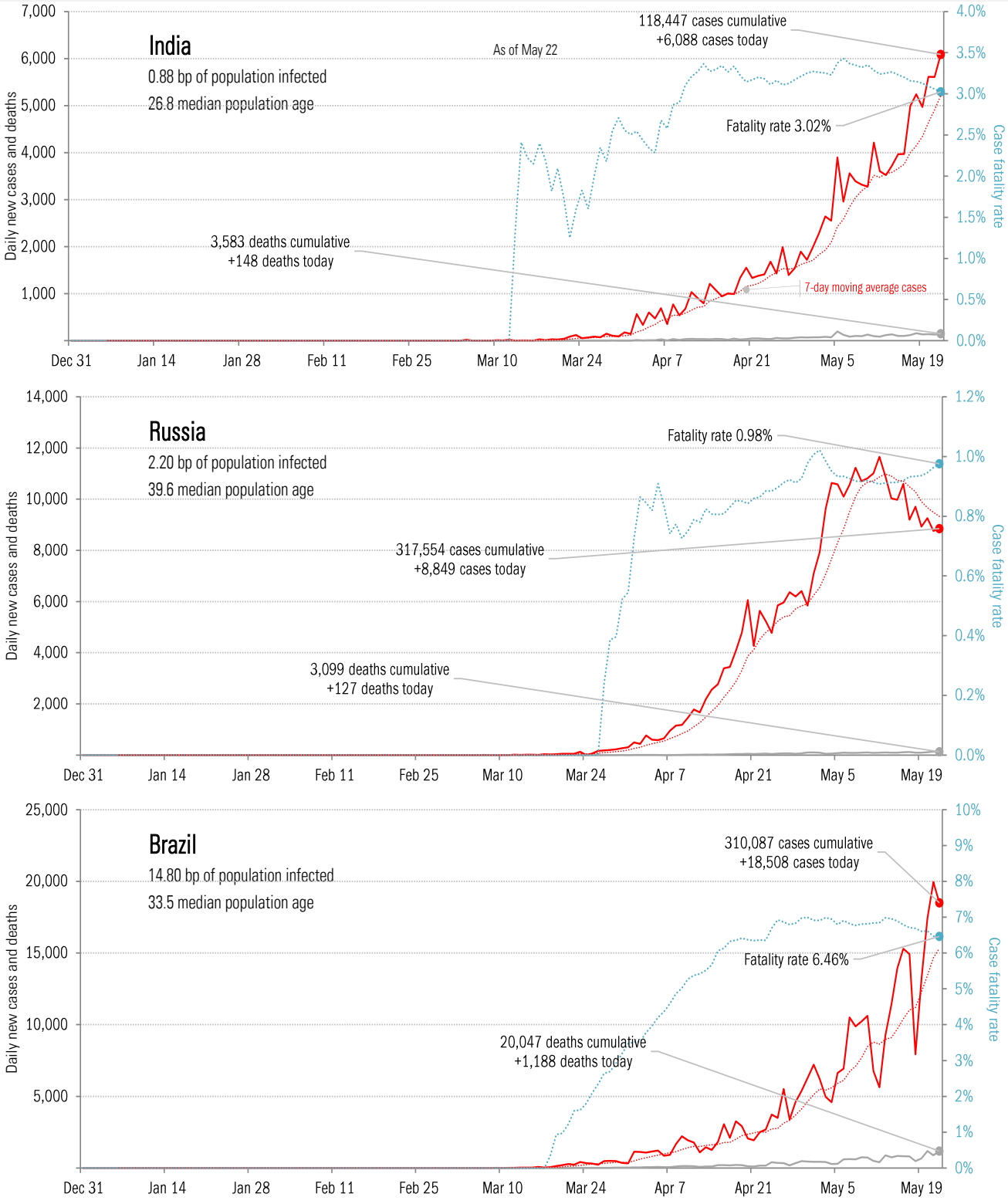
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



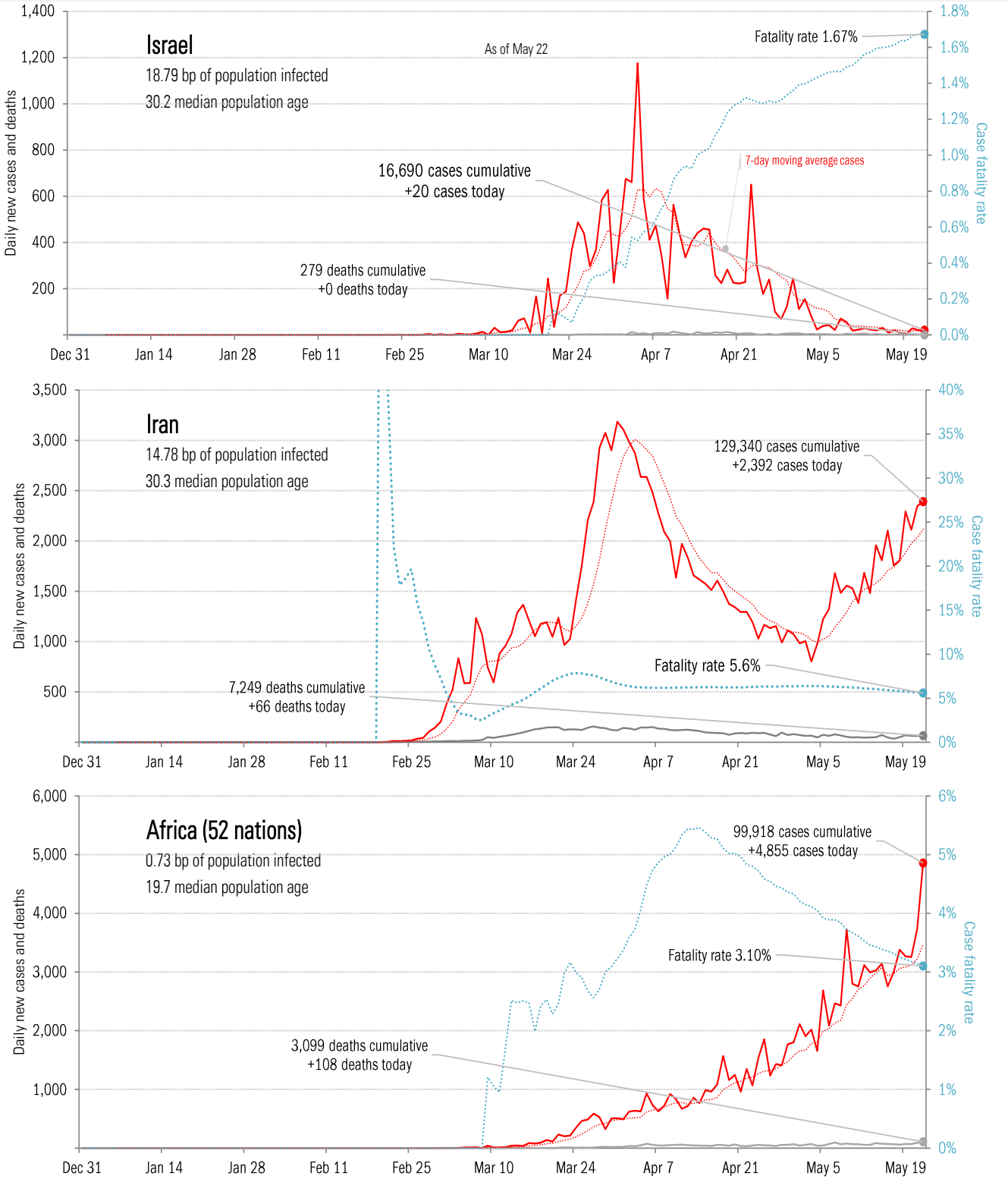
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations