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

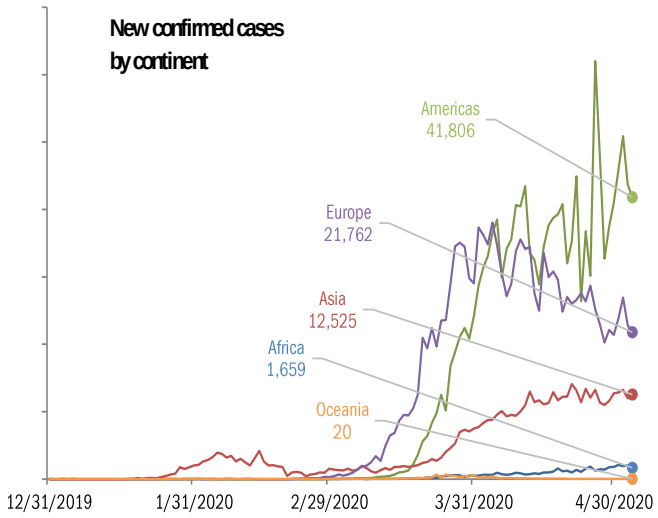
Data Insights: Covid-2019 Monitor

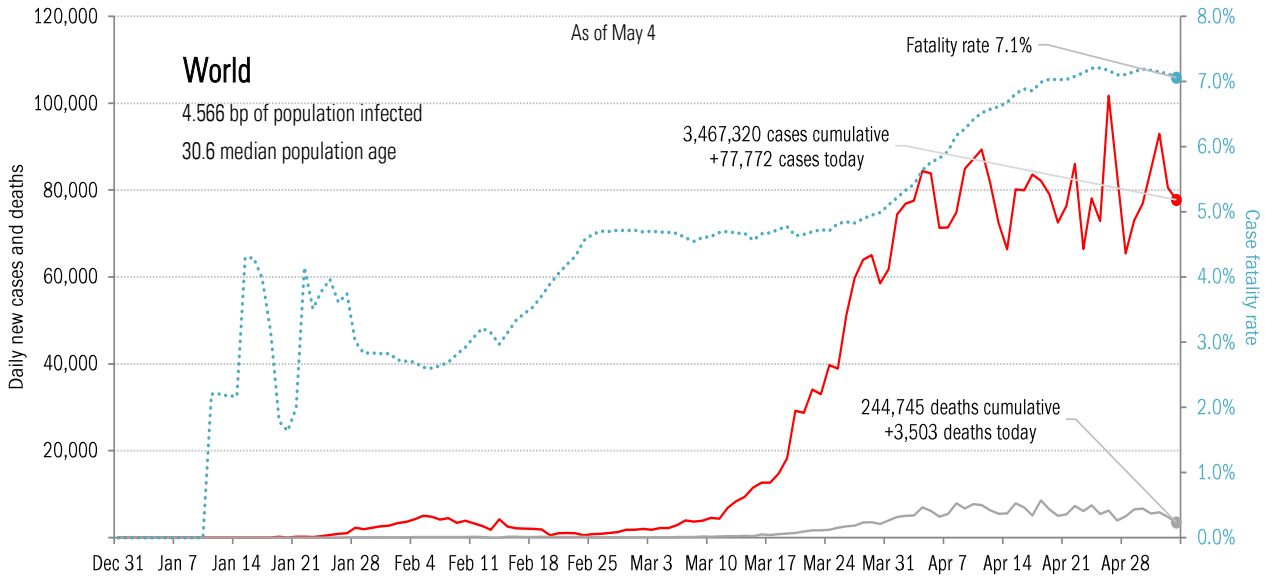
Monday, May 4, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+24,972	US	+1,297
Russia	+10,633	UK	+315
Brazil	+4,588	Brazil	+275
UK	+4,339	Ecuador	+193
Peru	+3,394	Italy	+174
Canada	+2,760	France	+135
India	+2,553	Canada	+116
Ecuador	+2,074	Mexico	+93
Turkey	+1,670	Peru	+86
Saudi_Arabia	+1,552	Belgium	+79
	+58,535		+2,763
World	+77,772	World	+3,503
Top ten	75%	Top ten	79%





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

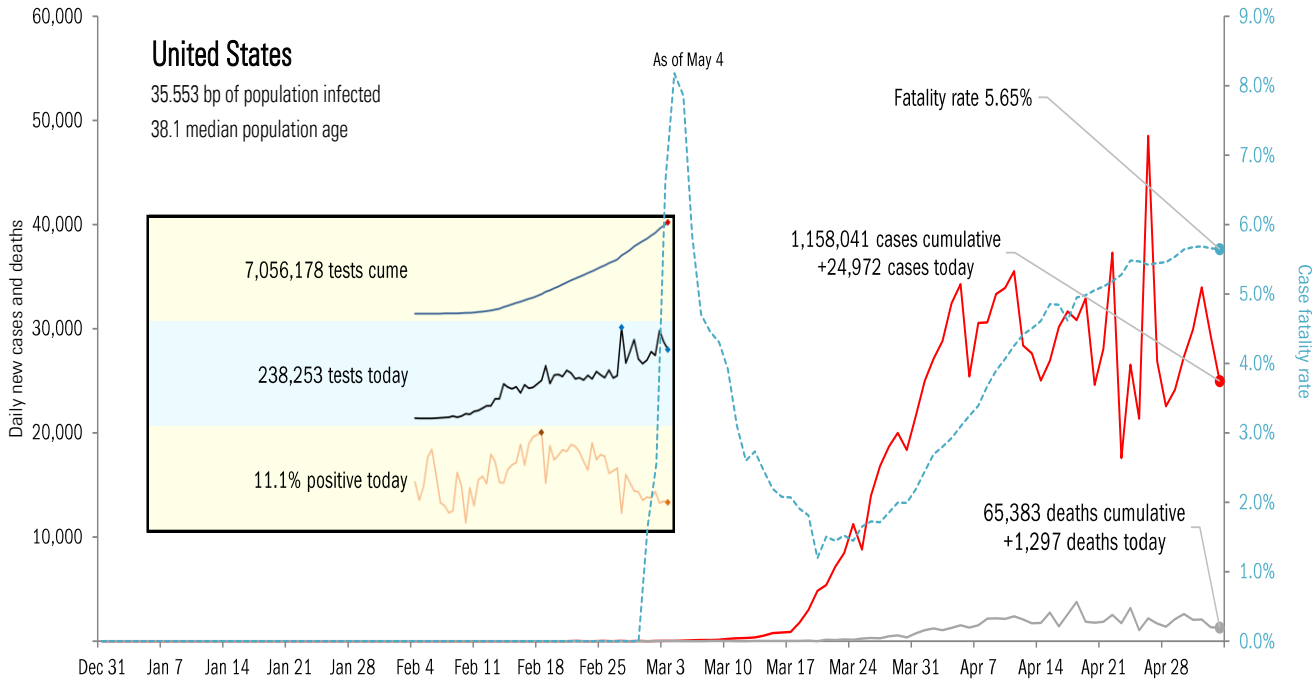
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
NY	+3,438	NY	+280	NY	+846	NY	316,415	NY	19,189	NY	68,736
NJ	+3,027	MA	+158	FL	+299	NJ	126,744	NJ	7,871	CT	7,758
IL	+2,994	NJ	+129	VA	+172	MA	68,087	MI	4,049	MA	6,507
MA	+1,824	CT	+97	MD	+141	IL	61,499	MA	4,004	FL	6,244
CA	+1,419	IL	+59	MA	+129	CA	53,616	IL	2,618	GA	5,393
TX	+1,026	CA	+44	OH	+57	PA	49,267	PA	2,444	MD	5,051
MD	+989	VA	+44	CO	+46	MI	43,754	CT	2,436	VA	3,910
PA	+962	MD	+30	MN	+40	FL	36,078	CA	2,215	OH	3,769
VA	+940	MI	+29	RI	+36	TX	31,548	LA	1,969	CO	2,793
IN	+638	PA	+26	MS	+33	LA	29,340	FL	1,403	WI	1,608
	+17,257		+896		+1,799		816,348		48,198		111,769
All states	+26,287	All states	+1,158	All states	+1,936	All states	1,152,006	All states	61,868	All states	125,796
Top ten	66%	Top ten	77%	Top ten	93%	Top ten	71%	Top ten	78%	Top ten	89%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NY	-1,225	MI	-125	AZ	-127	NY	+1,410
GA	-740	NJ	-75	GA	-112	OR	+860
NC	-431	FL	-59	MA	-80	TX	+653
PA	-372	CA	-54	MD	-51	MN	+618
CA	-336	IL	-43	NM	-51	VA	+185



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

Recommended reading

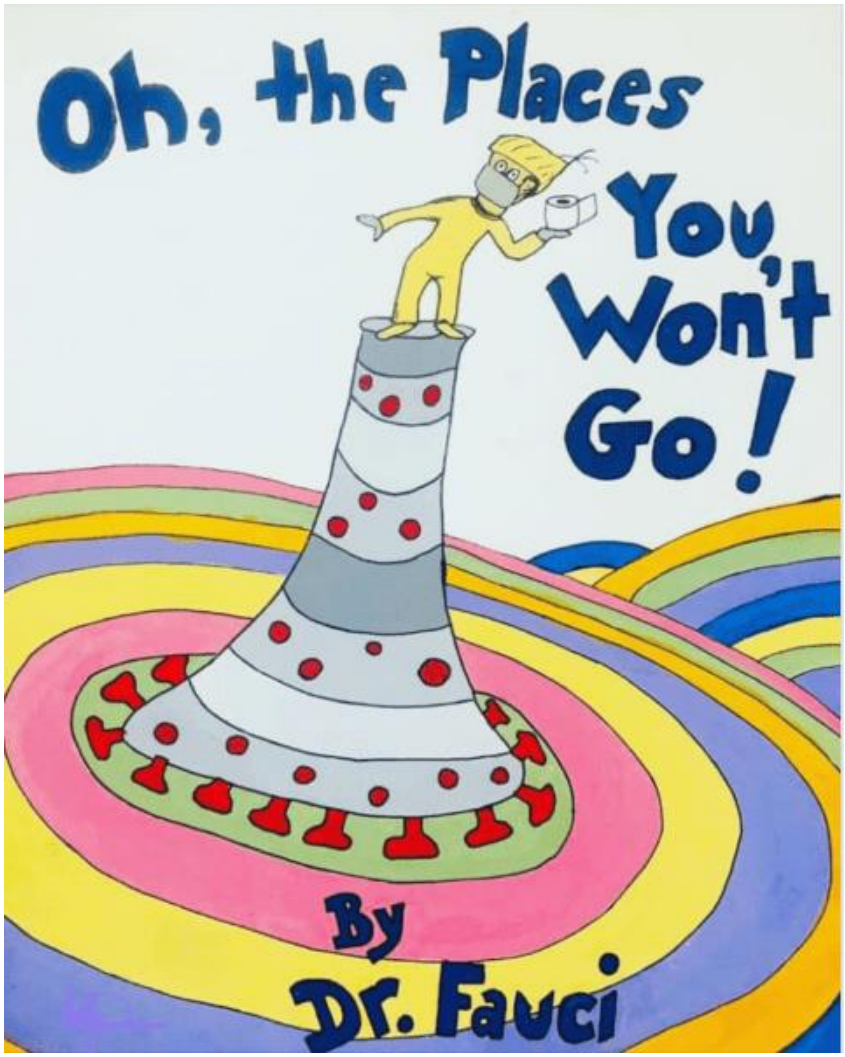
The data is in — stop the panic and end the total isolation
Scott Atlas
The Hill
April 22, 2020

Why US outsourced bat virus research to Wuhan
Christina Lin
Asia Times
April 22, 2020

What Would You Risk for a Faster Cure?
Mene Ukueberuwa
Wall Street Journal
May 1, 2020

The Covid-19 Riddle: Why Does the Virus Wallop Some Places and Spare Others?
Hannah Beech, Alissa J. Rubin, Anatoly Kurmanaev and Ruth Maclean
New York Times
May 3, 2020

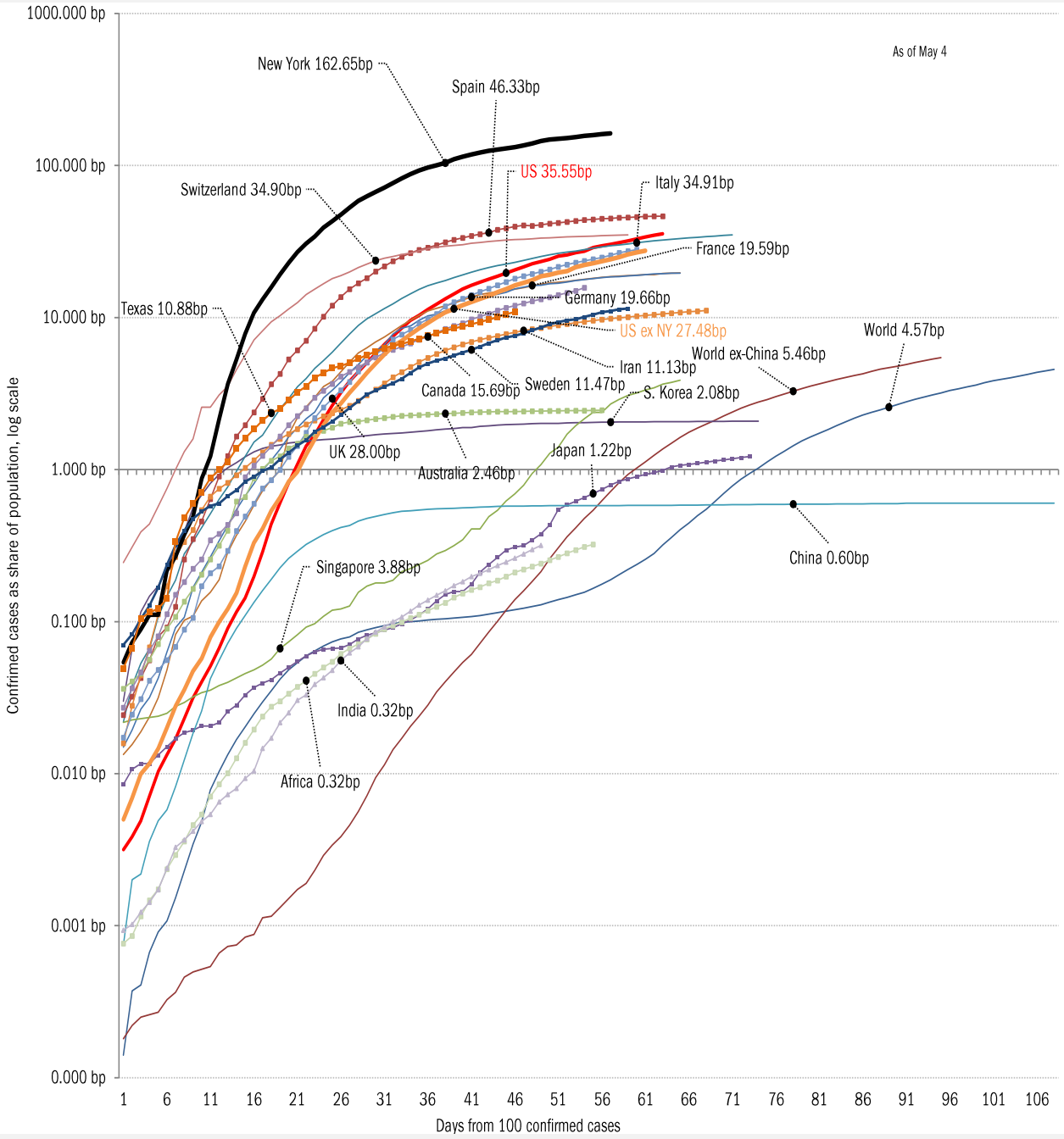
Meme of the day



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

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

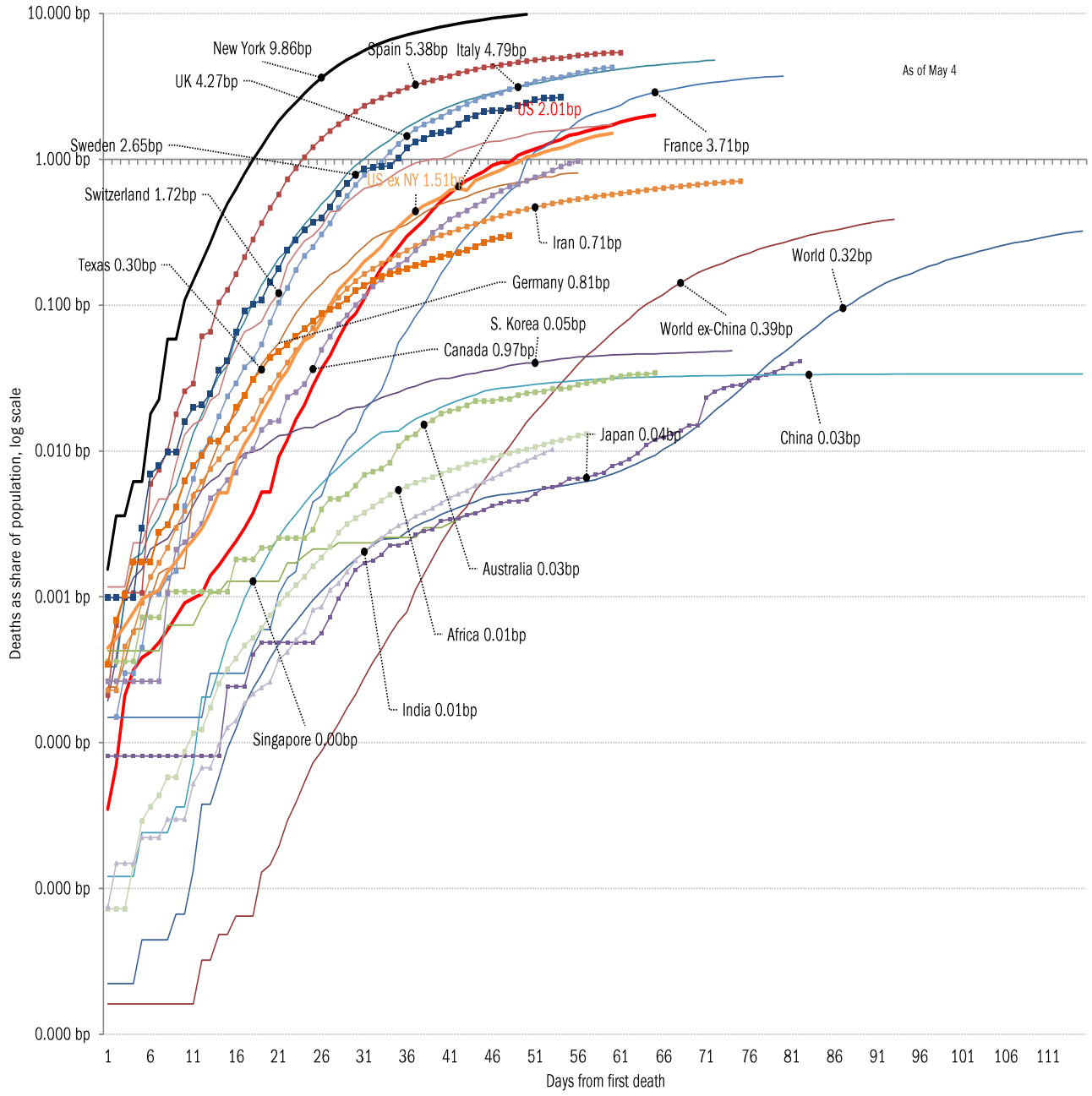
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality



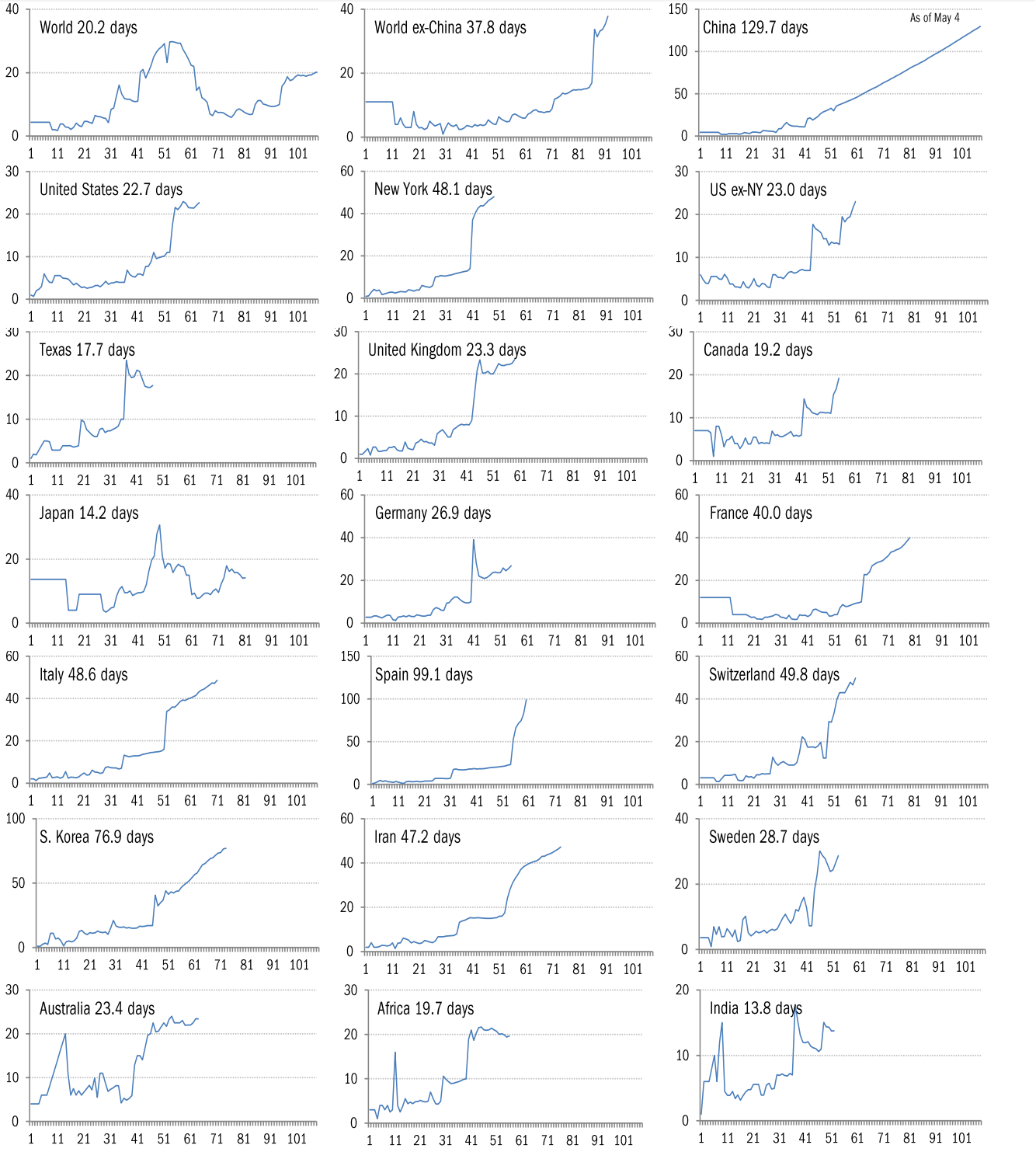
Source: ECDC, TrendMacro calculations

Our most reliable evidence of slowing the Moore's law of Covid-2019

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

Progress means seeing the line move up and to the right…

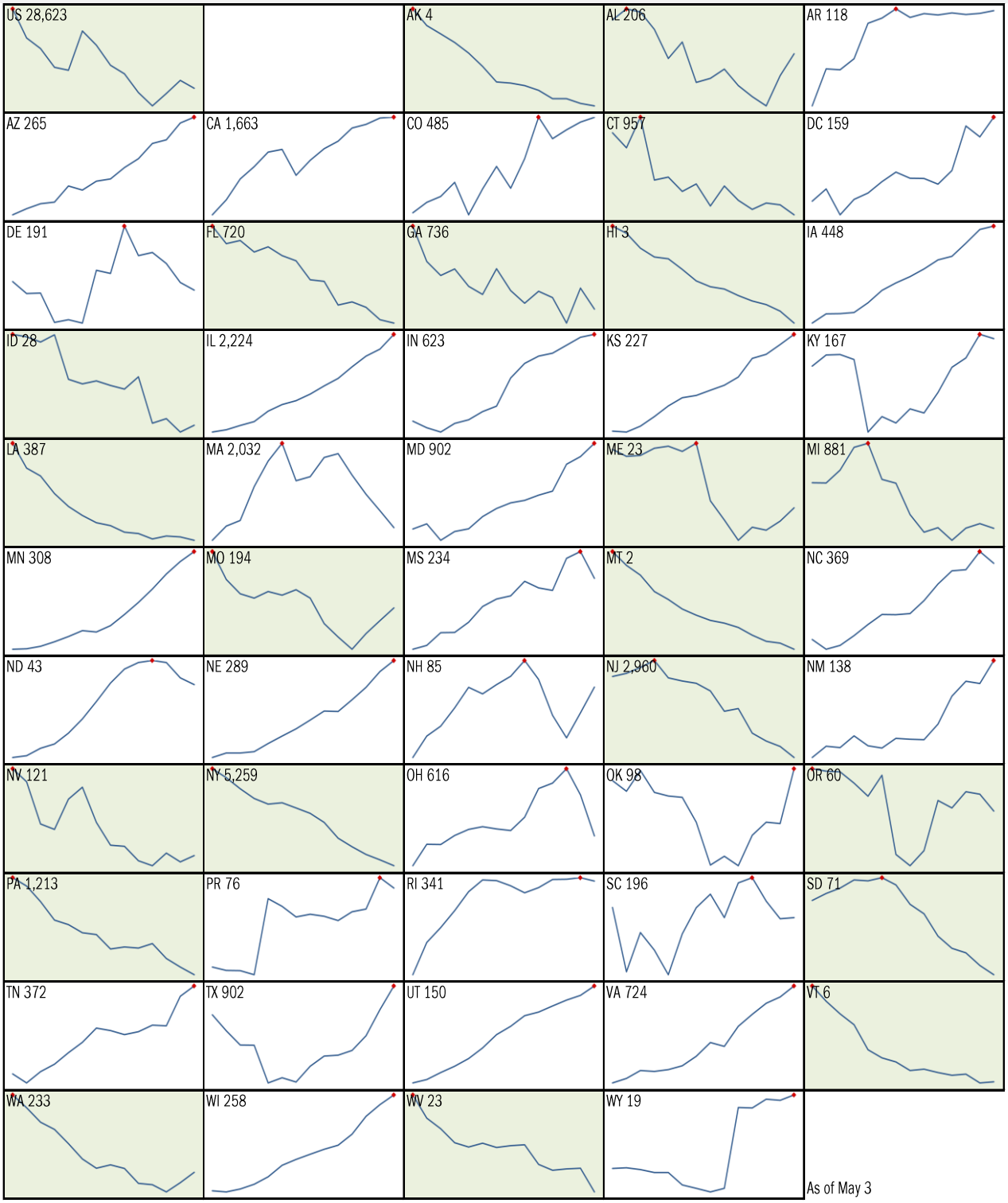
Extrapolated between actual doubling points. The most anomalous extrapolations are smoothed.



Source: ECDC, TrendMacro calculations

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

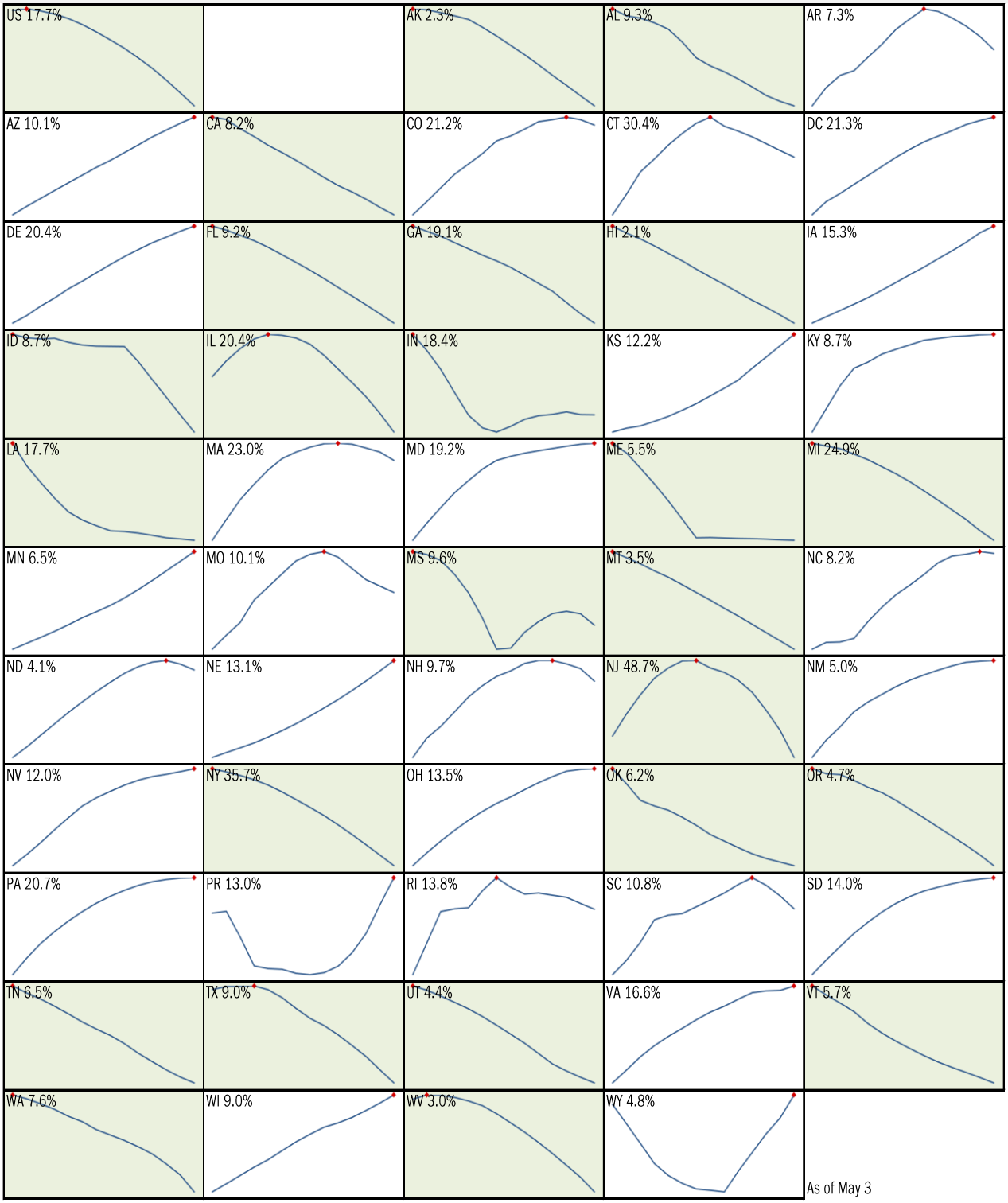
14-day moving average, last 14 days *Most recent value displayed*



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*

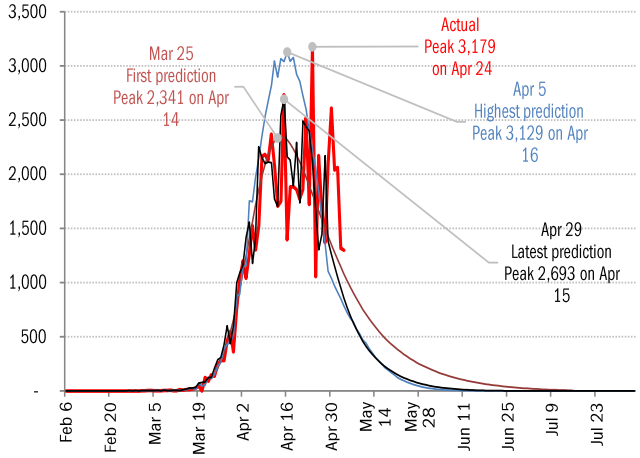


Source: Covid Tracking Project, TrendMacro calculations

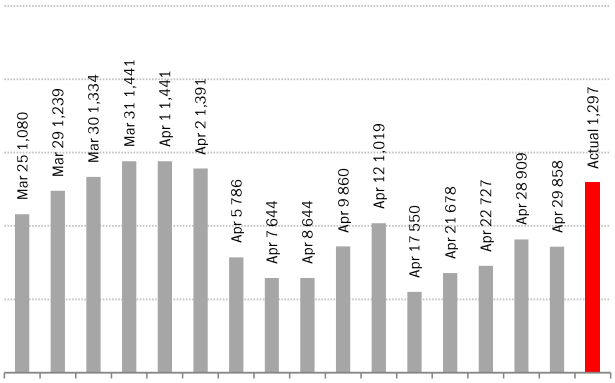
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of May 4

Actual versus first, highest and latest model mean predictions

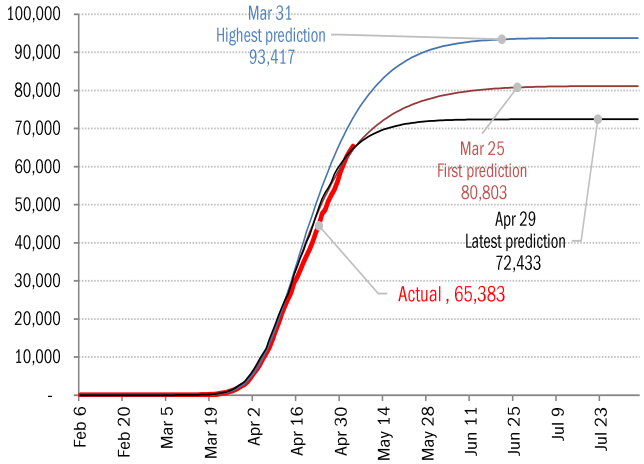


For this day, versus all model mean predictions

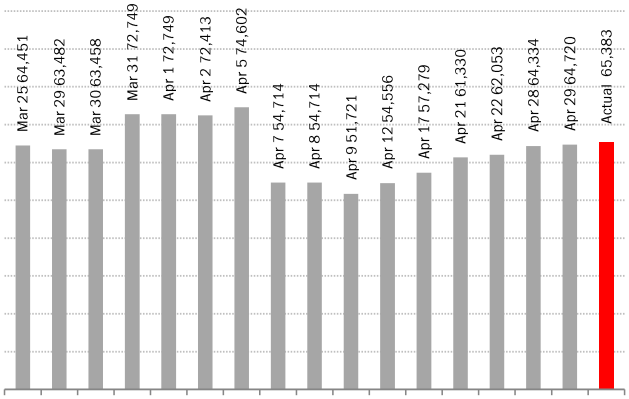


Cumulative fatalities

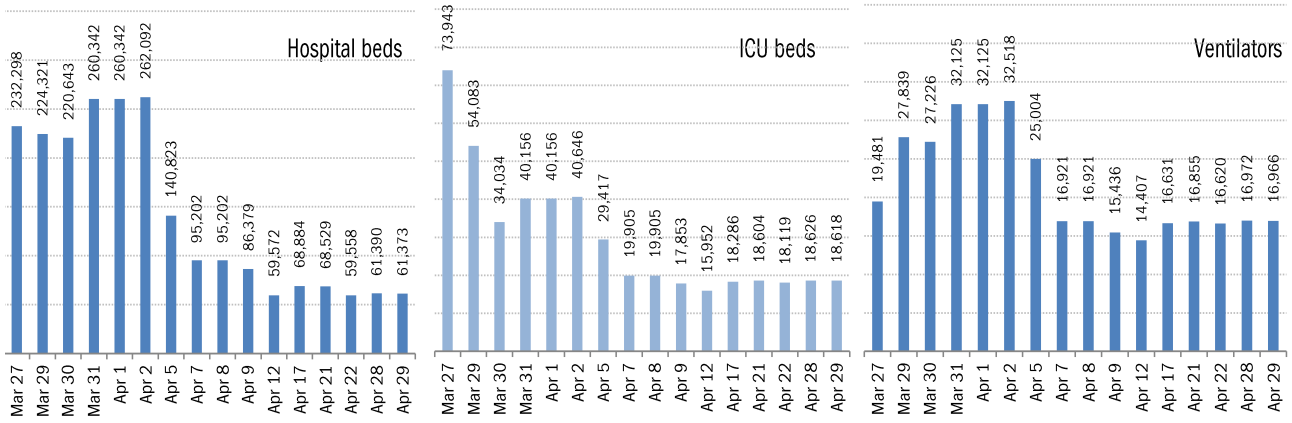
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

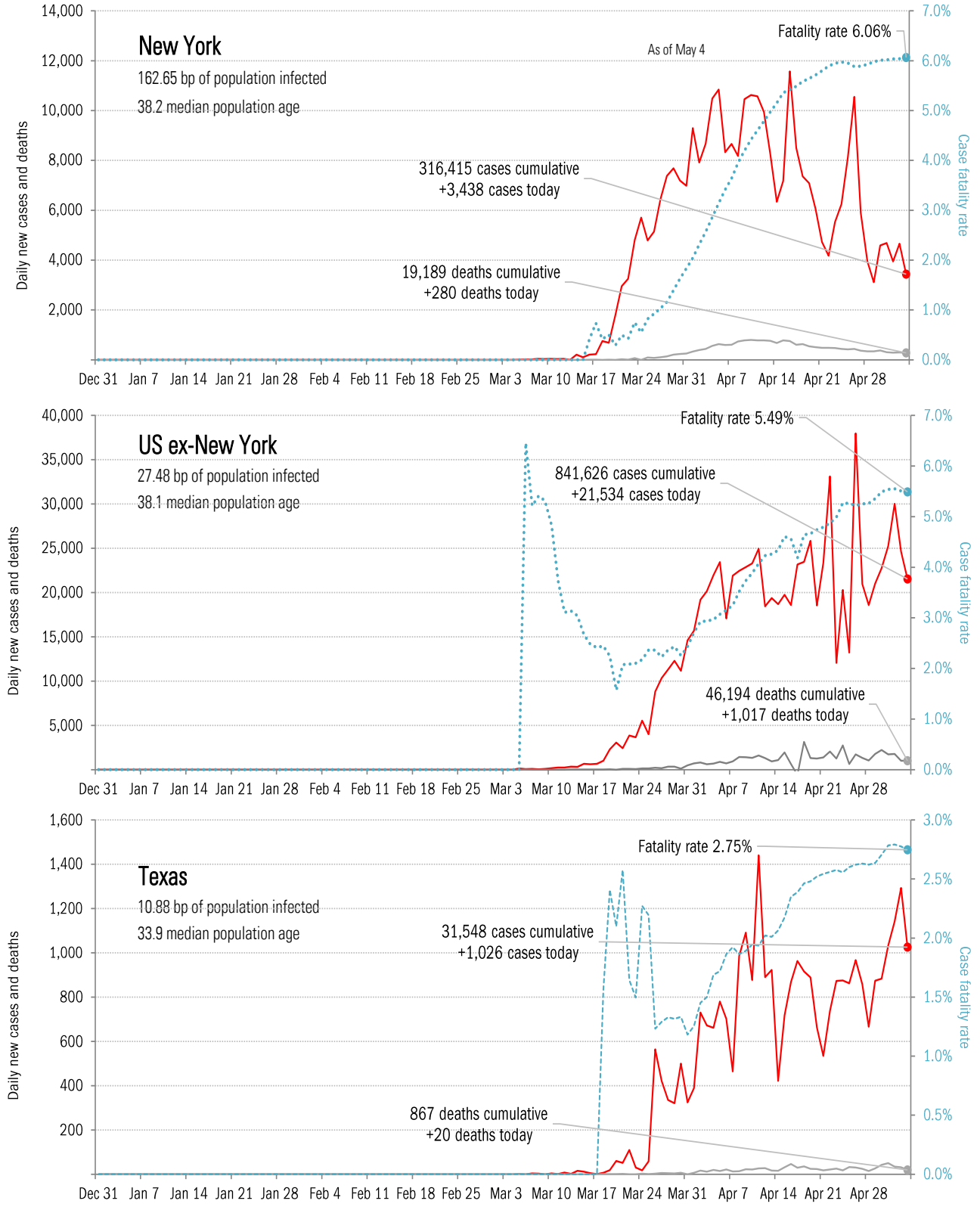


Healthcare system stress, peak estimated at each model revision



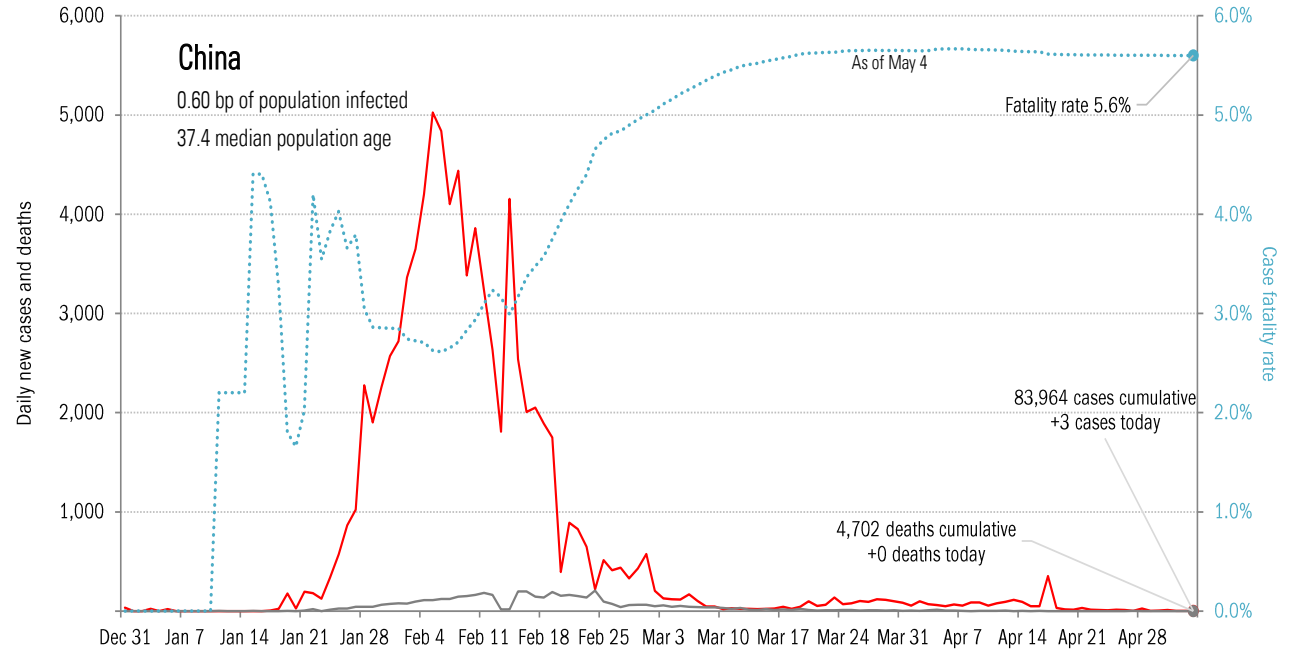
Source: ECDC, TrendMacro calculations

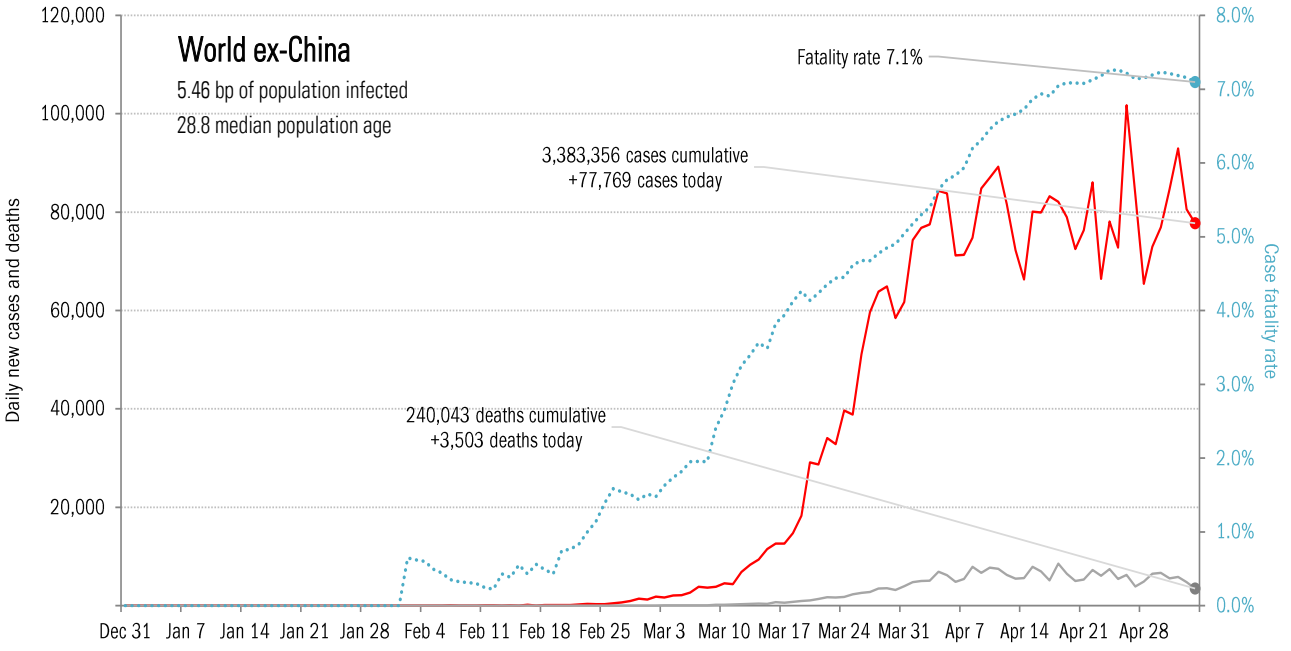
From Ground Zero to the Rio Grande



Source: ECDC, TrendMacro calculations

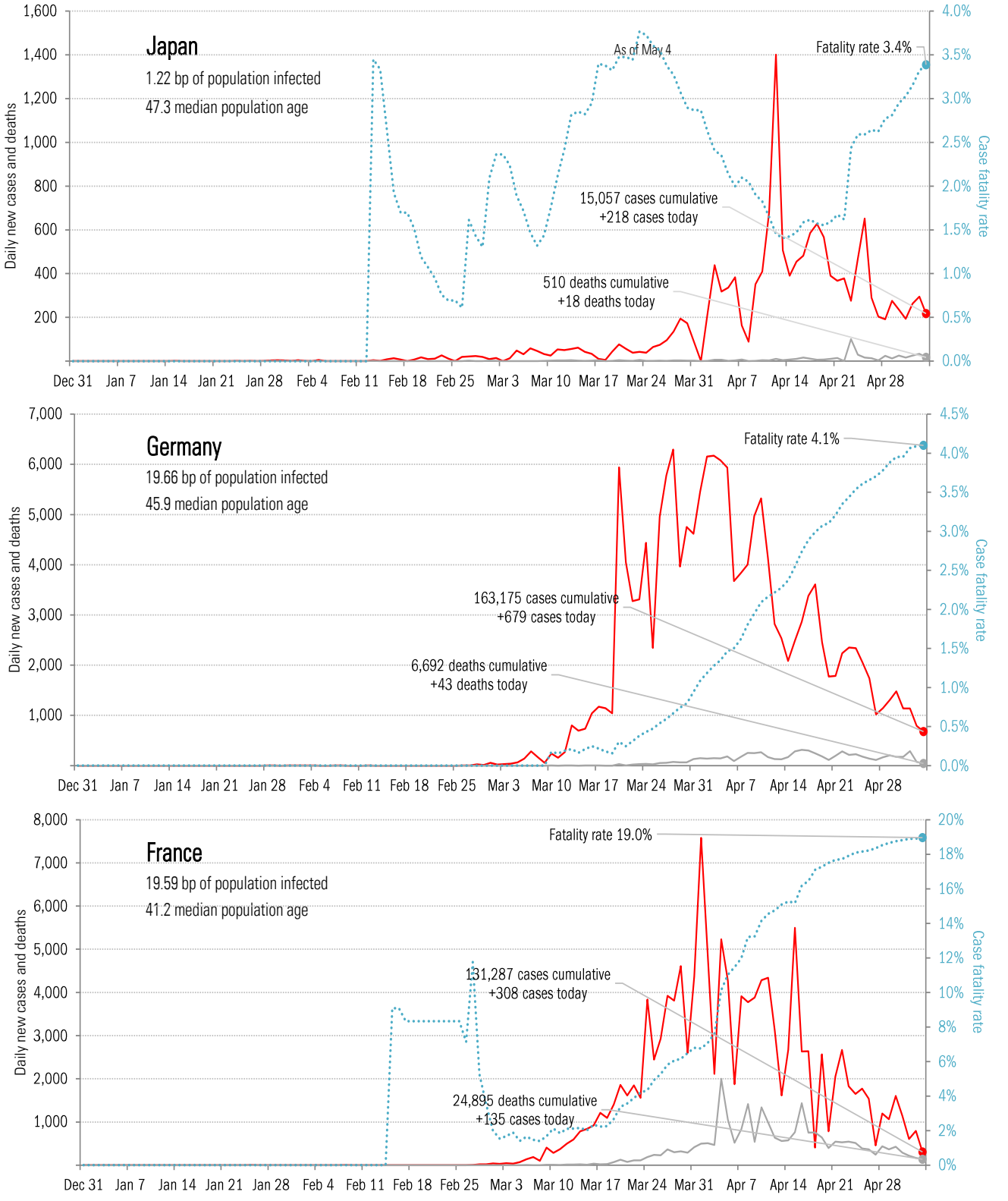
Patient zero… and then everyone else





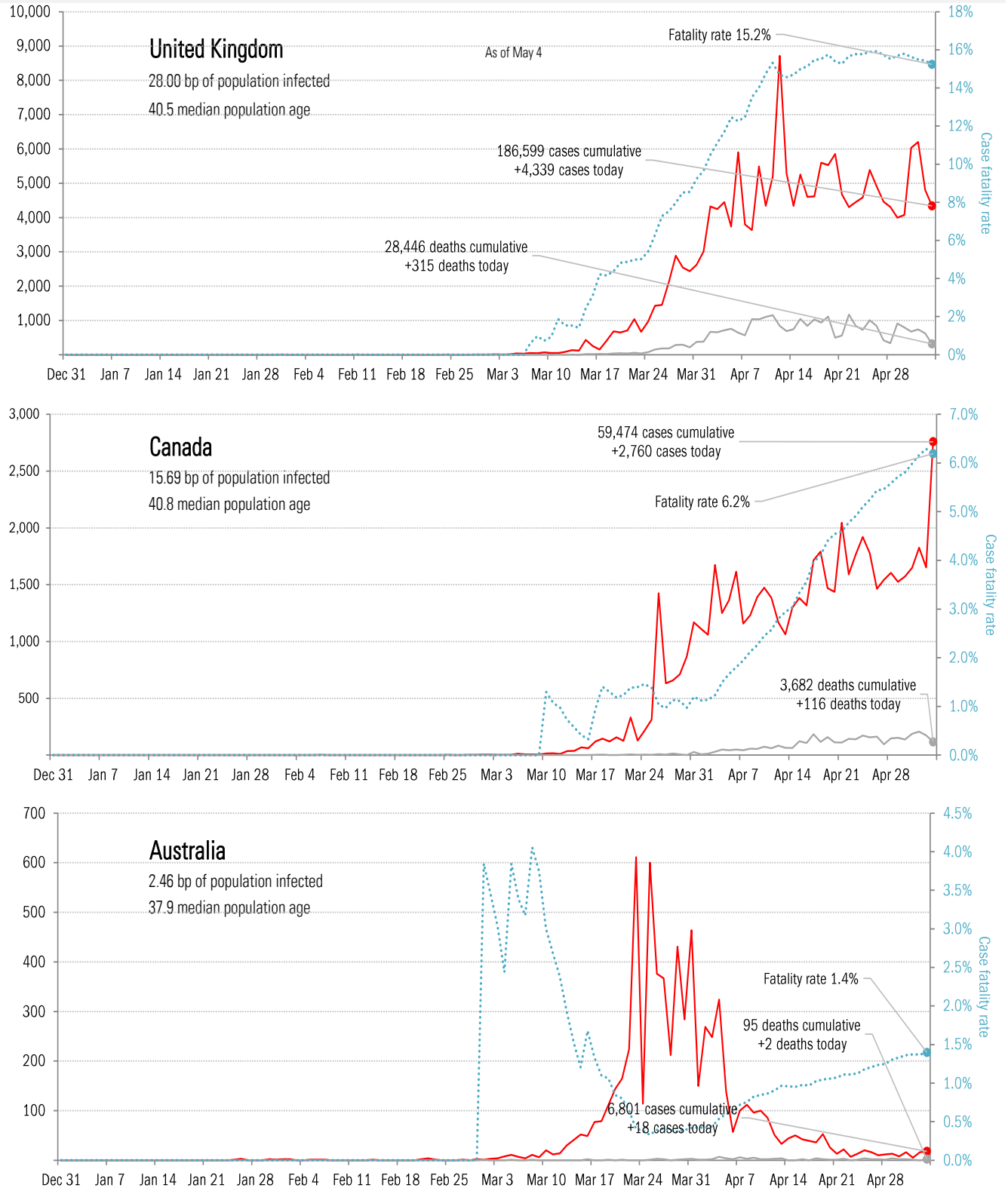
Source: ECDC, TrendMacro calculations

Impact in the largest economies



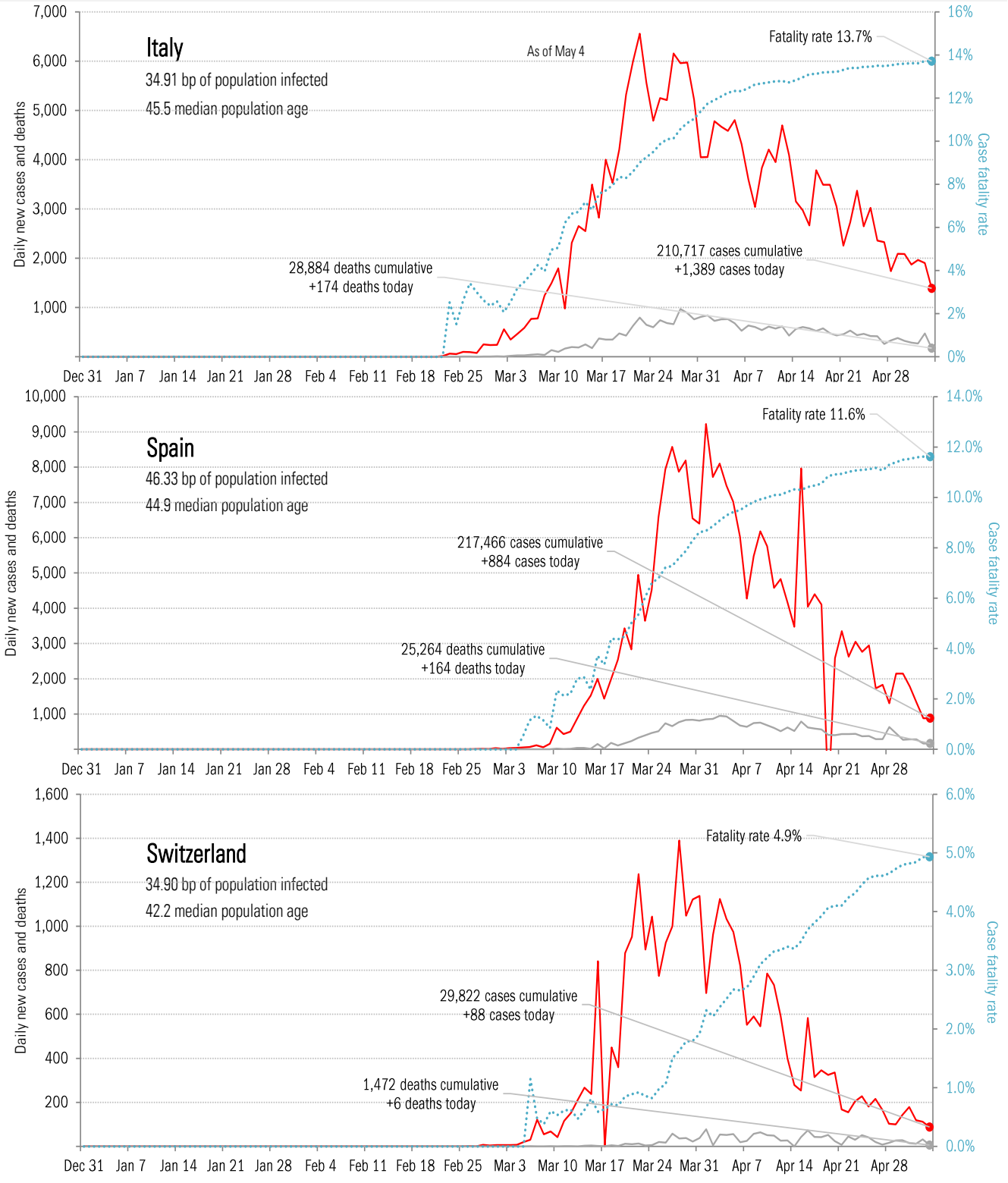
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



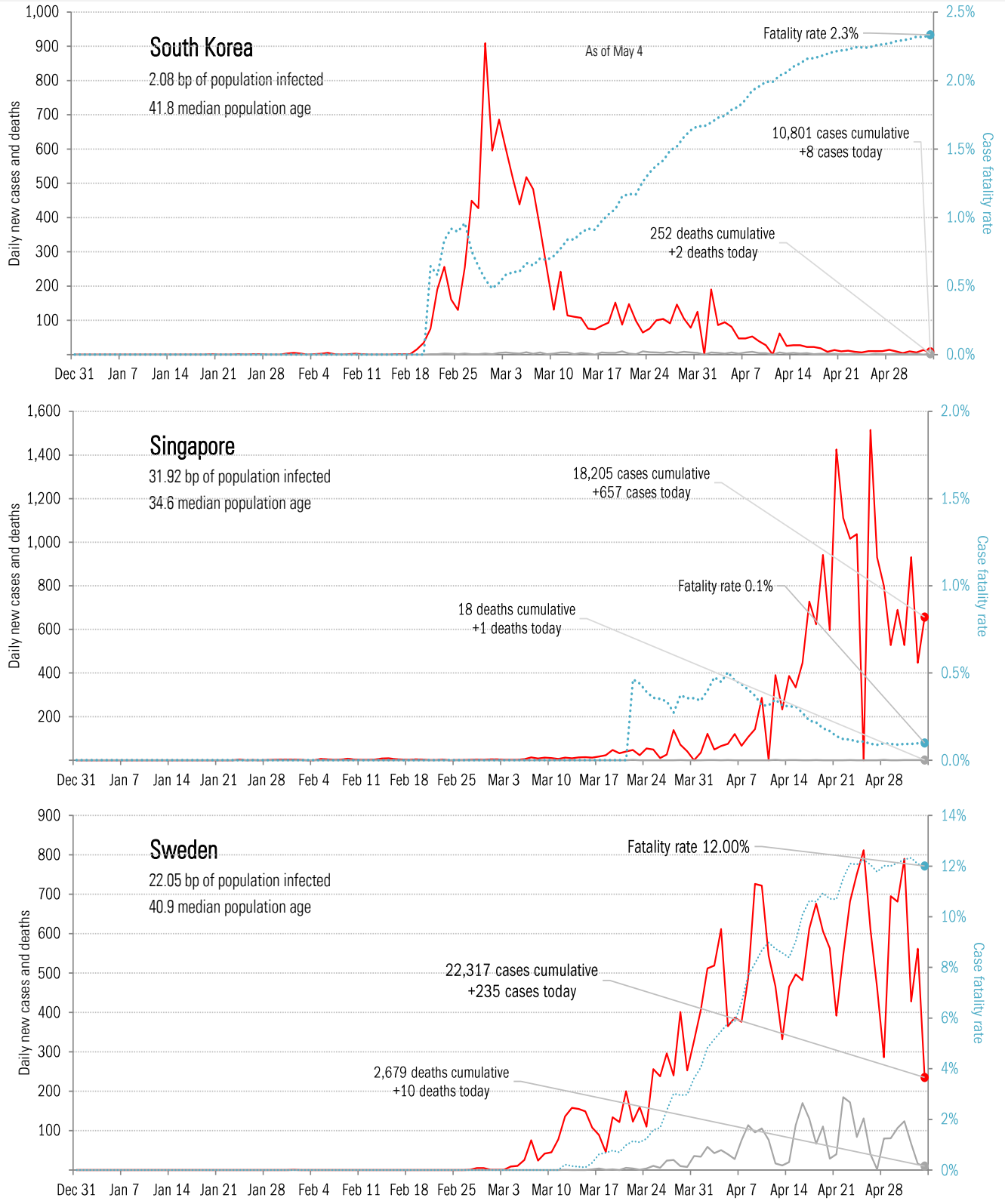
Source: ECDC, TrendMacro calculations

Impact in continental Europe



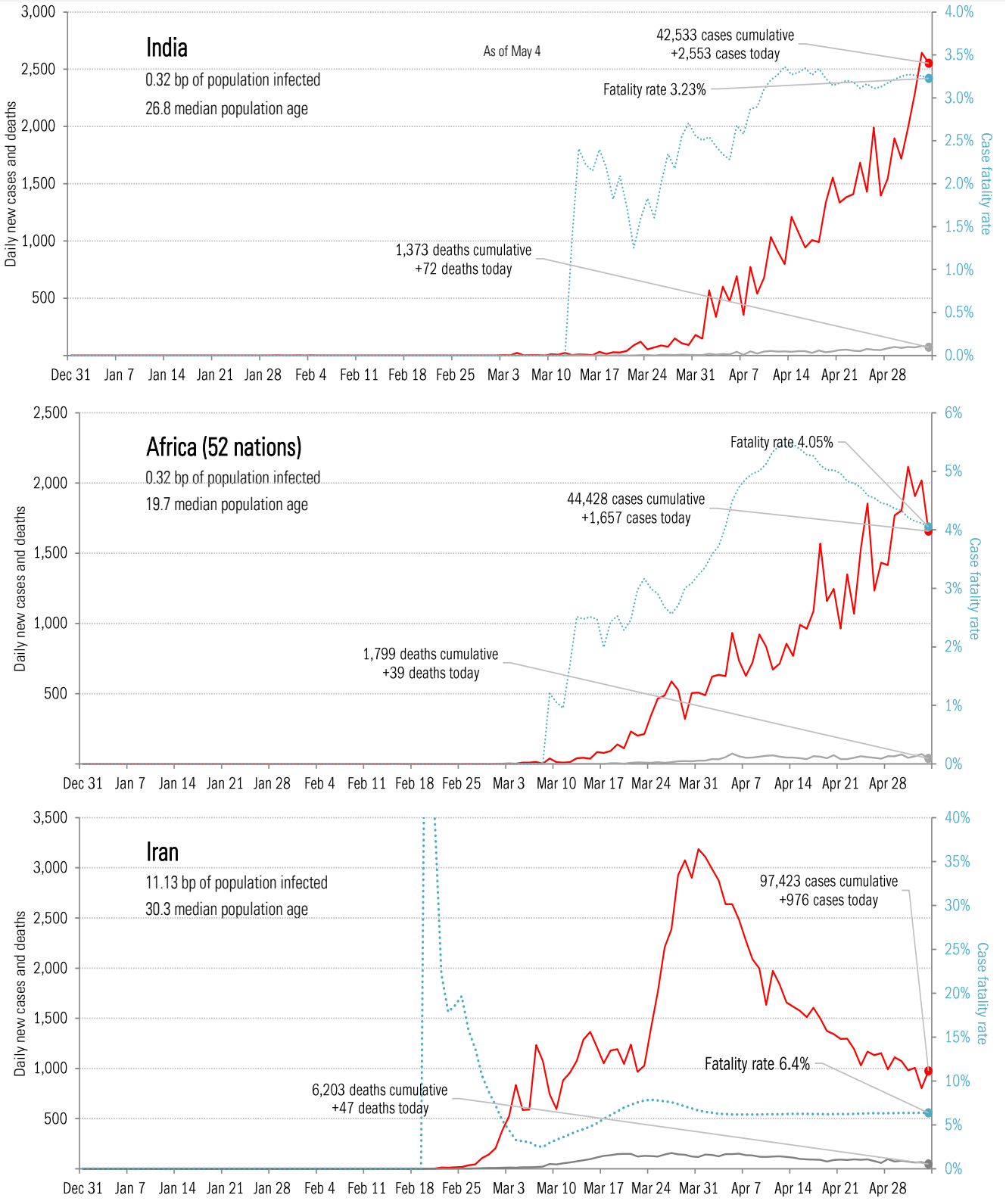
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



Source: ECDC, TrendMacro calculations

Impact in the fragile emerging world



Source: ECDC, TrendMacro calculations