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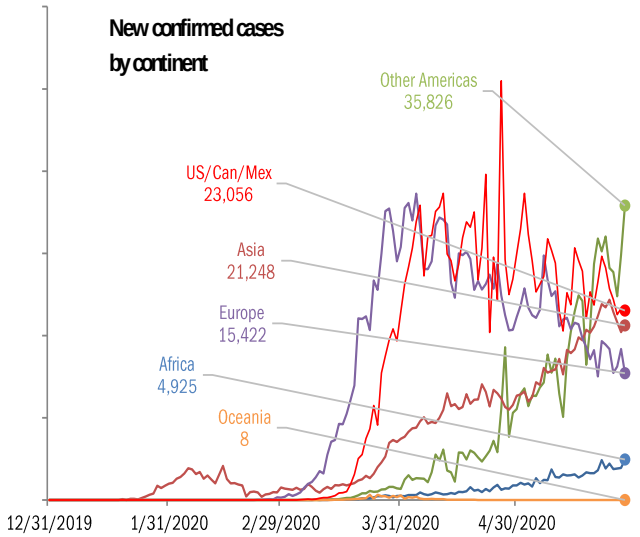
Data Insights: Covid-2019 Monitor

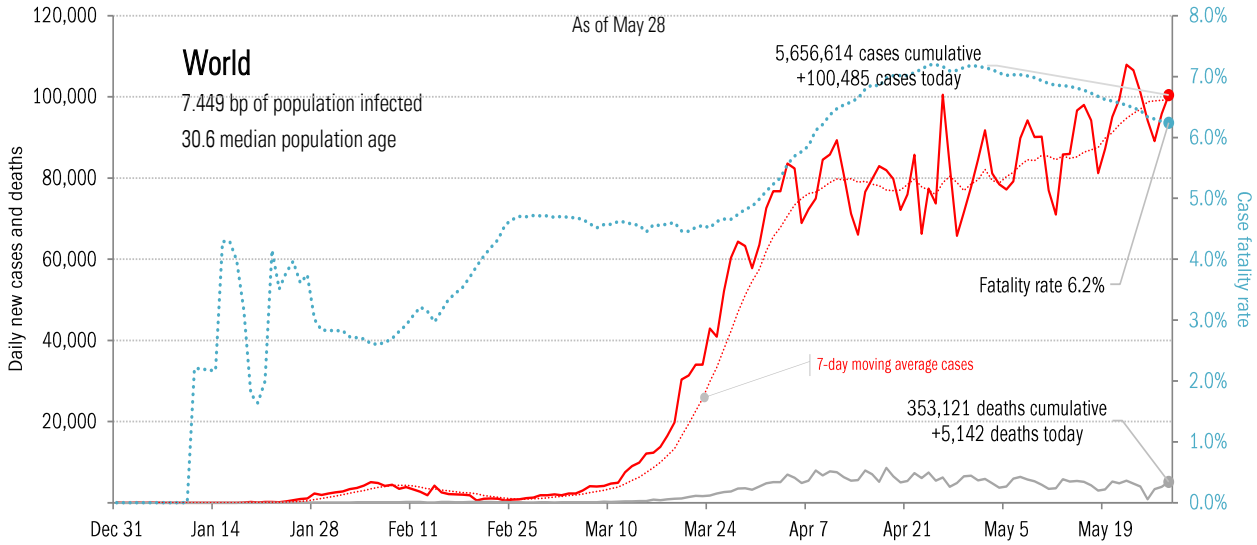
Thursday, May 28, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+20,599	US	+1,526
US	+18,721	Brazil	+1,086
Russia	+8,338	Mexico	+463
India	+6,566	UK	+412
Peru	+6,154	Peru	+195
Chile	+4,328	India	+194
Mexico	+3,463	Russia	+161
Iran	+2,080	Canada	+126
Pakistan	+2,076	Italy	+117
UK	+2,013	Sweden	+95
	+74,338		+4,375
World	+100,485	World	+5,142
Top ten	74%	Top ten	85%





Source: ECDC, TrendMacro calculations

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The US scorecard

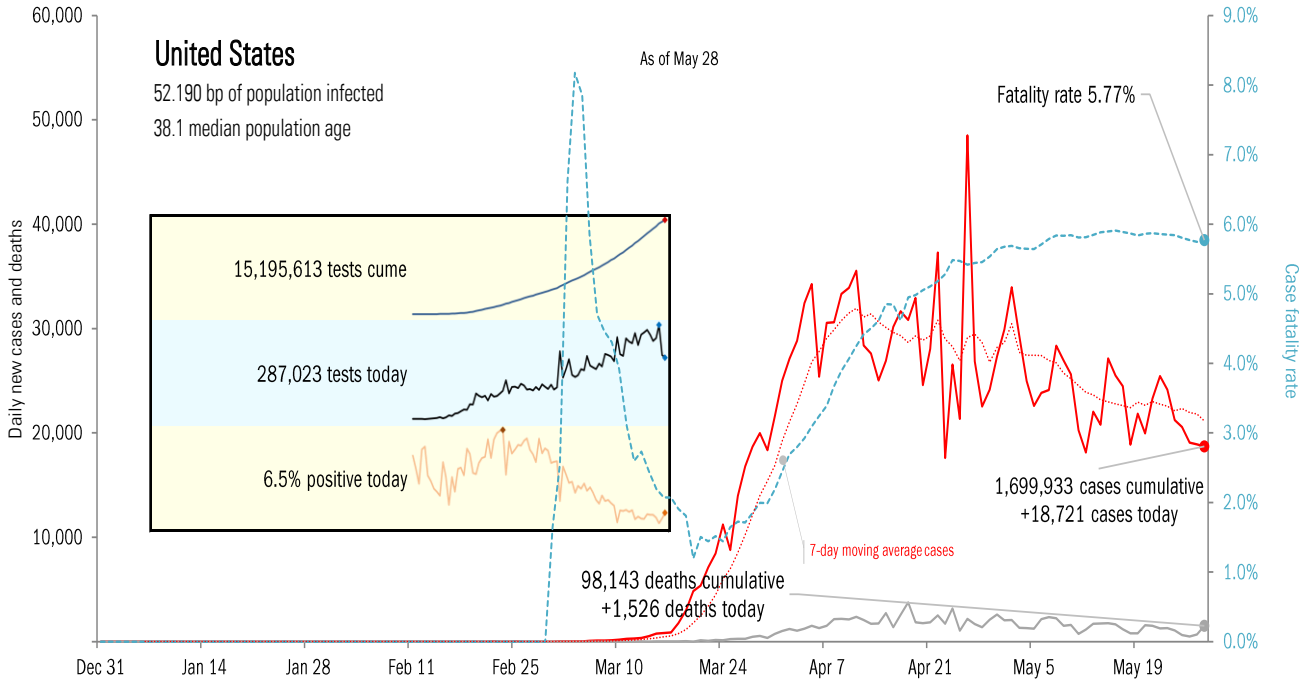
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+2,247	IL	+160	NJ	+224	NY	364,965	NY	23,643	NY	77,838
TX	+1,361	NJ	+148	NY	+201	NJ	156,628	NJ	11,339	NJ	16,597
NY	+1,129	PA	+113	VA	+196	IL	114,306	MA	6,473	CT	12,538
IL	+1,111	NY	+79	FL	+159	CA	98,980	MI	5,334	FL	9,899
VA	+907	CA	+70	OH	+121	MA	93,693	PA	5,265	MA	9,388
NJ	+864	MI	+68	GA	+119	PA	69,417	IL	5,083	MD	8,281
PA	+780	FL	+62	MD	+102	TX	57,921	CA	3,884	GA	7,666
MD	+736	MD	+59	MN	+87	MI	55,608	CT	3,769	VA	6,826
GA	+691	VA	+45	WI	+49	FL	52,634	LA	2,722	OH	5,700
IA	+657	OH	+42	AL	+48	MD	48,423	FL	2,400	IN	5,285
	+10,483		+846		+1,306		1,112,575		69,912		160,018
All states	+18,595	All states	+1,259	All states	+1,623	All states	1,689,630	All states	94,352	All states	192,446
Top ten	56%	Top ten	67%	Top ten	80%	Top ten	66%	Top ten	74%	Top ten	83%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
VA	-708	MA	-57	NJ	-16,149	TX	+1,251
CT	-430	CT	-27	SC	-84	PA	+1,170
MA	-422	AL	-7	MA	-49	MN	+791
AL	-219	IA	-6	RI	-22	TN	+572
MN	-141	GA	-5	NM	-3	WI	+441



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

Recommended reading

[Nobel Prize winner: Coronavirus lockdowns cost lives instead of saving them]
Jackie Salo
New York Post
May 26, 2020

[Coronavirus death toll is heavily concentrated in Democratic congressional districts]
Bradley Jones
Pew Research Center
May 27, 2020

["Americans Don't Get Ruled" – Illinois Judge Unloads on Pritzker's Stay-at-Home Order]
Susie Moore
Red State
May 26, 2020

[Purported Northern Michigan boat launch request fuels controversy for Whitmer]
Craig Mauger
Detroit News
May 25, 2020

[The general election scenario that Democrats are dreading]
Ryan Lizza and Daniel Lippman
Politico
May 27, 2020

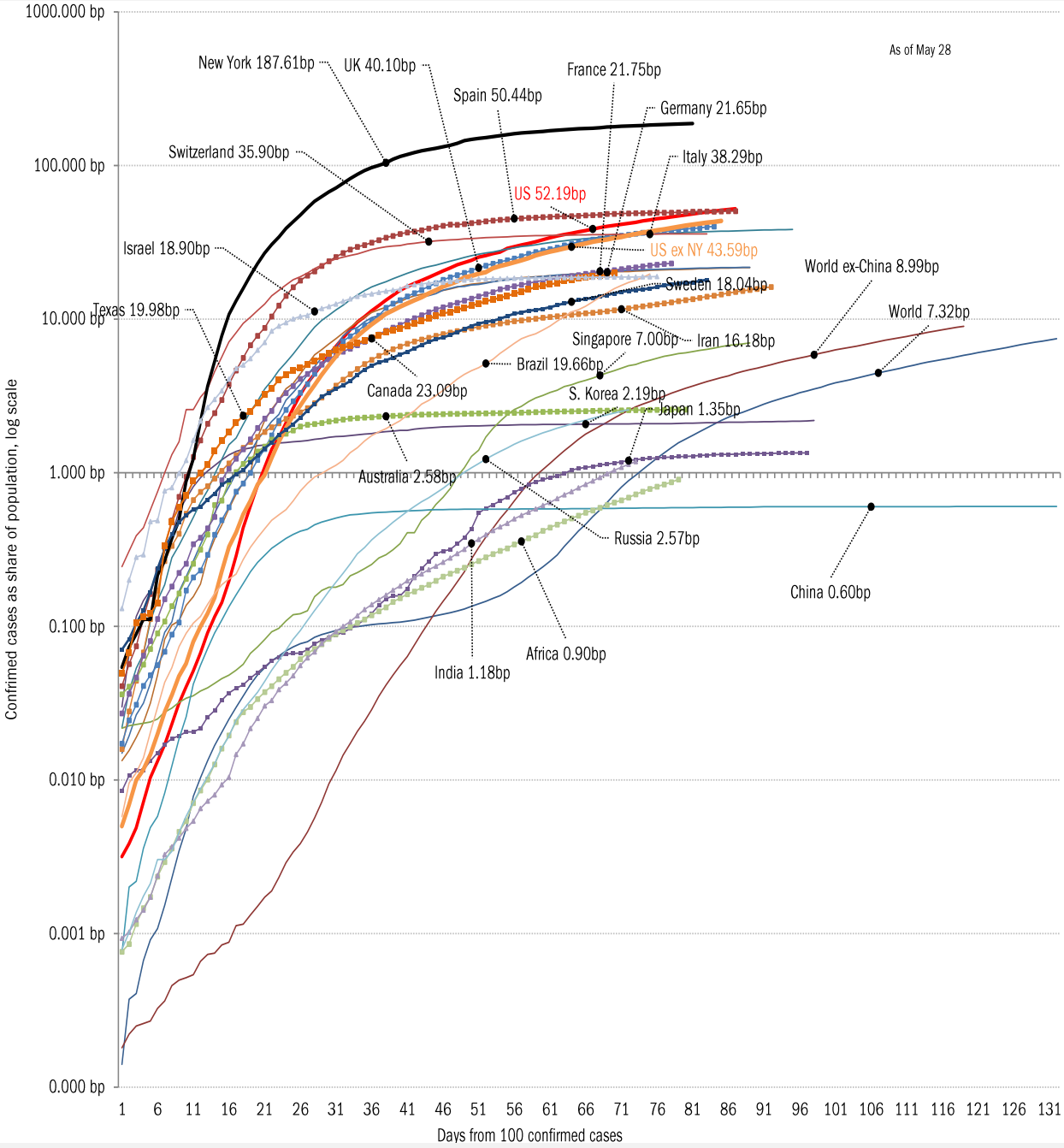
[First to close — first to reopen: Denmark's gain from virus response]
Richard Milne
Financial Times
May 27, 2020

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

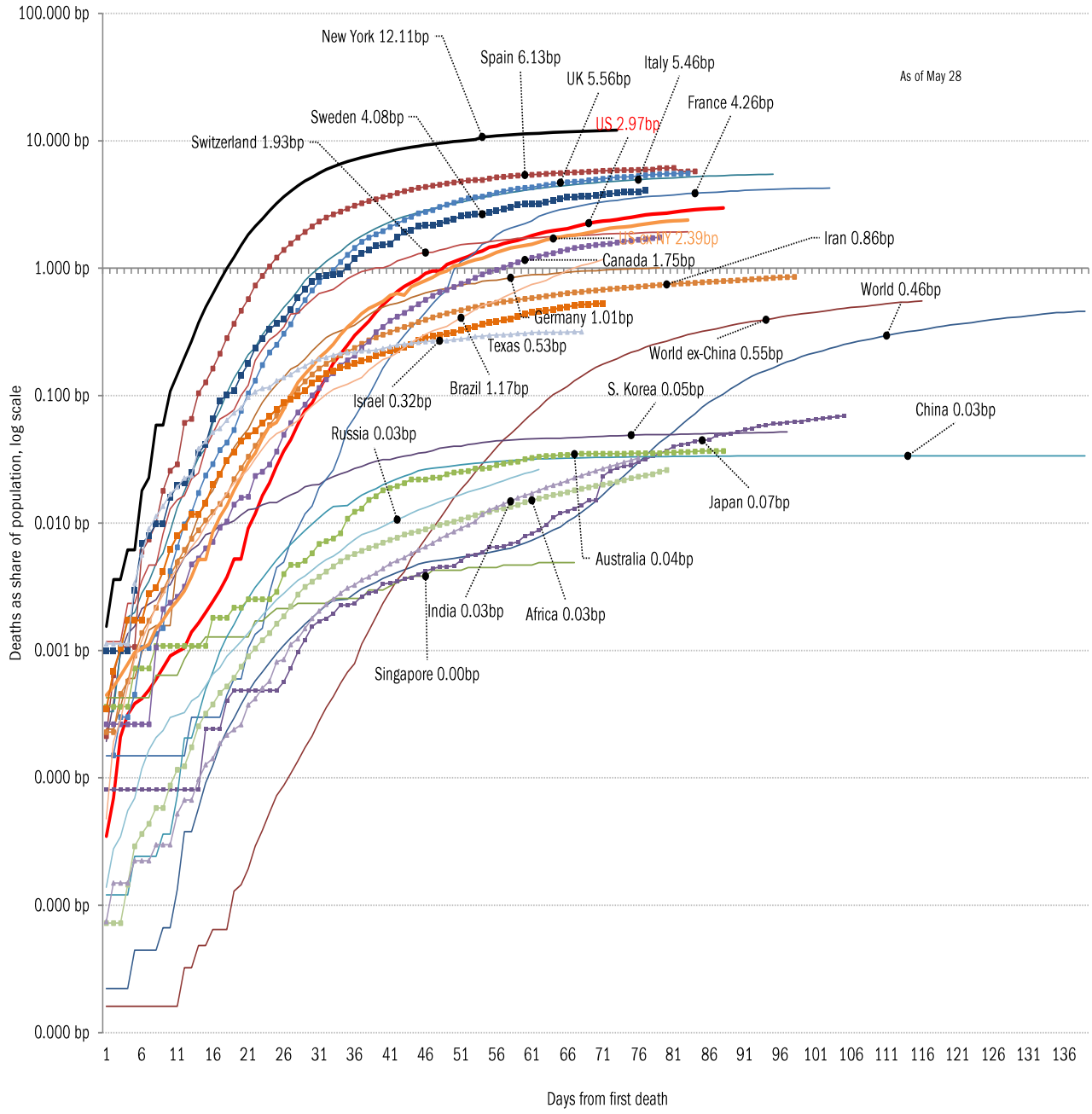
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

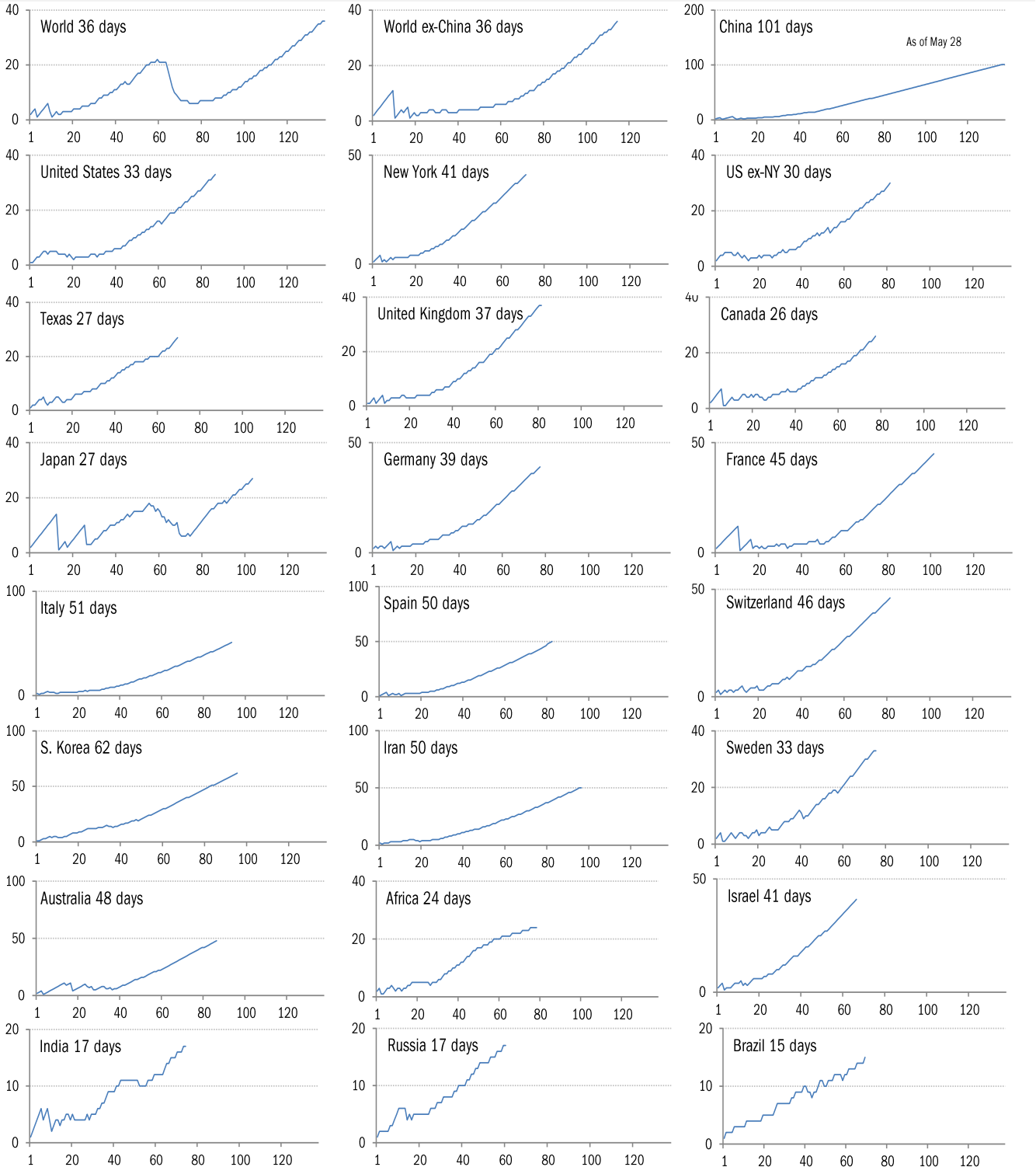
Share of deceased population from day of first fatality



Source: ECDC, TrendMacro calculations

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

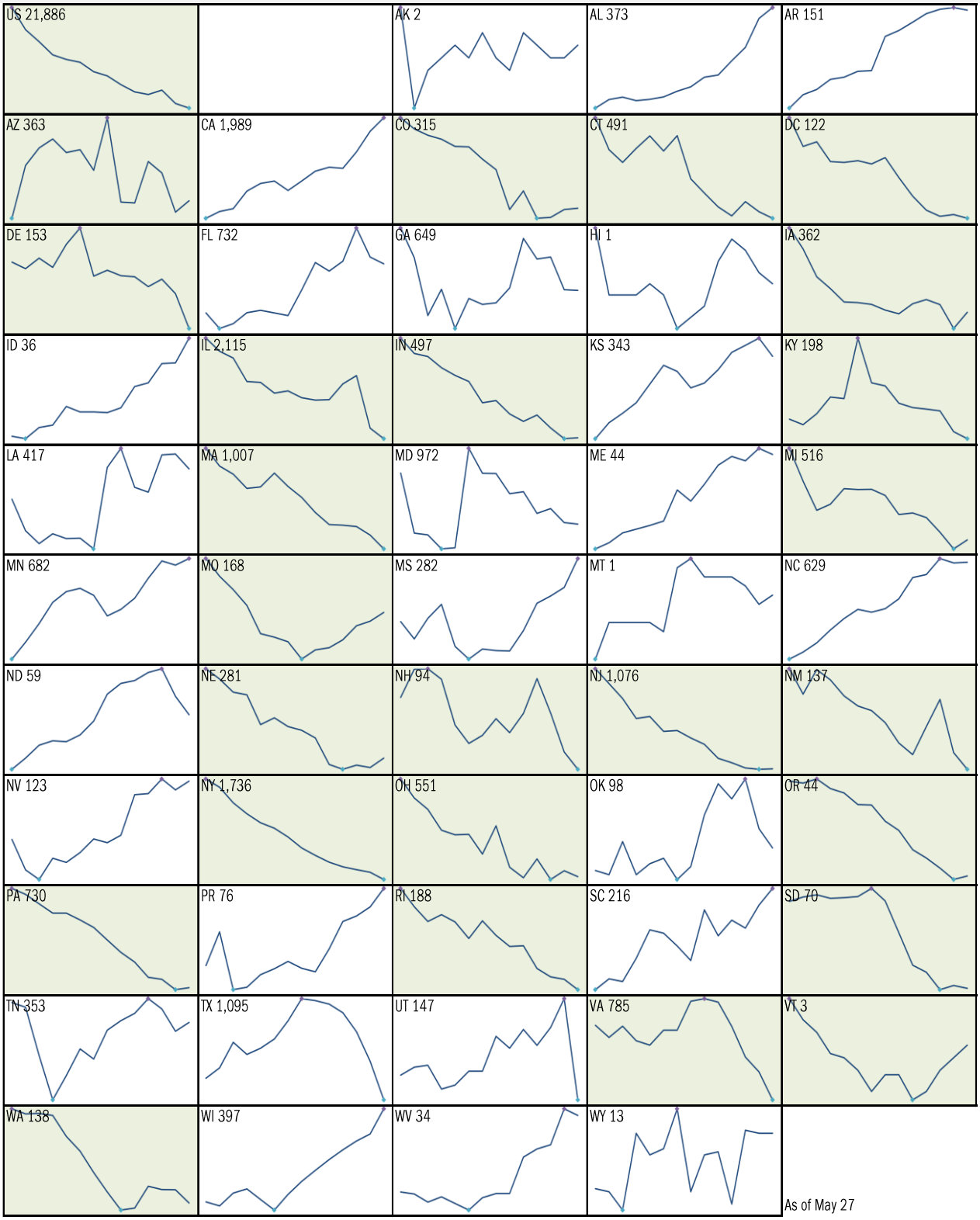
Vertical: number of days it takes to double deaths Horizontal: days from first death



Source: ECDC, TrendMacro calculations

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

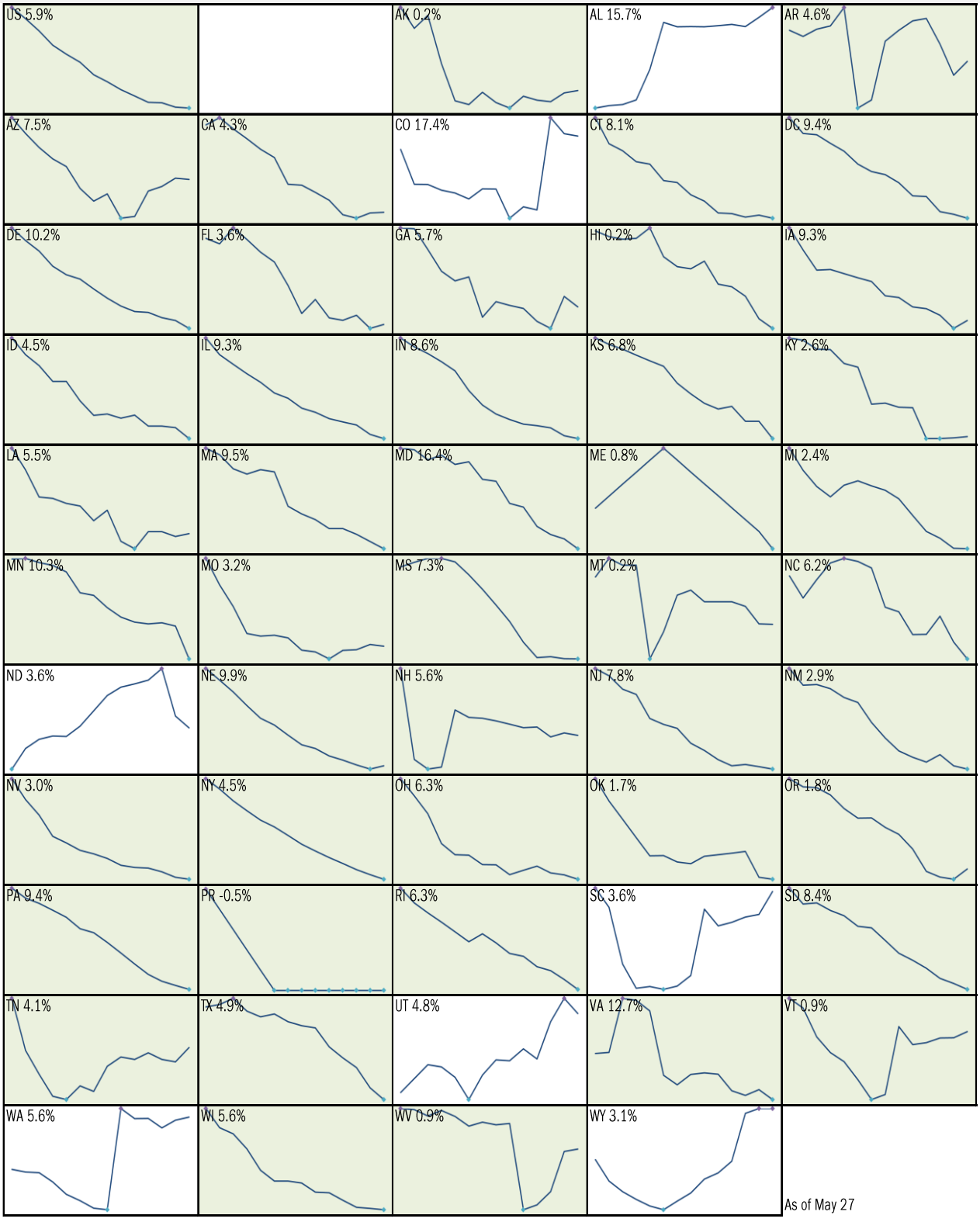
14-day moving average, last 14 days Most recent value displayed • High • Low



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

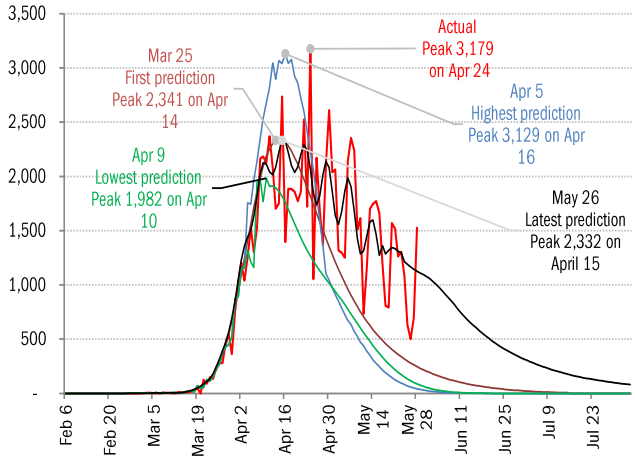


Source: Covid Tracking Project, TrendMacro calculations

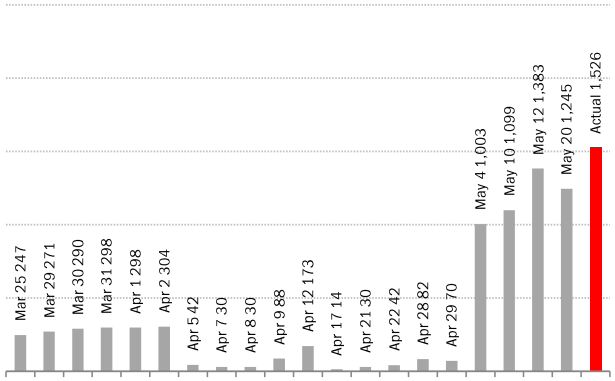
Reality-checking the models: actuals versus IHME predictions

New daily fatalities — As of May 28

Actual versus first, highest and latest model mean predictions

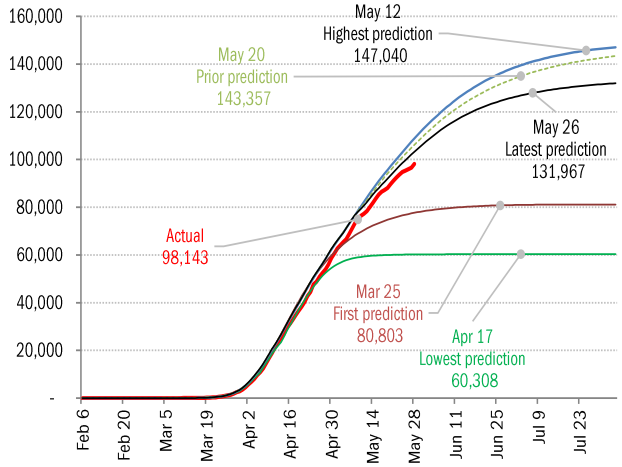


For this day, versus all model mean predictions

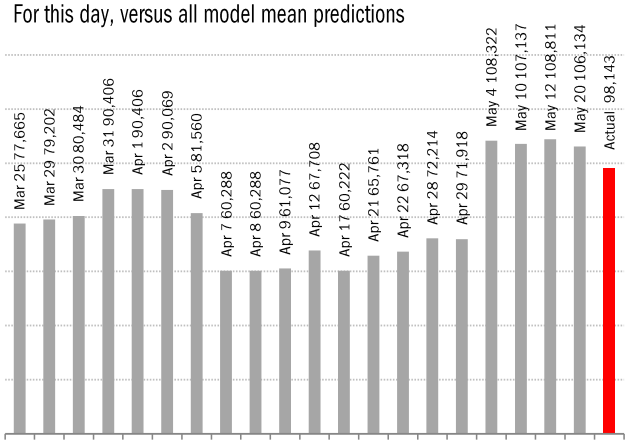


Cumulative fatalities

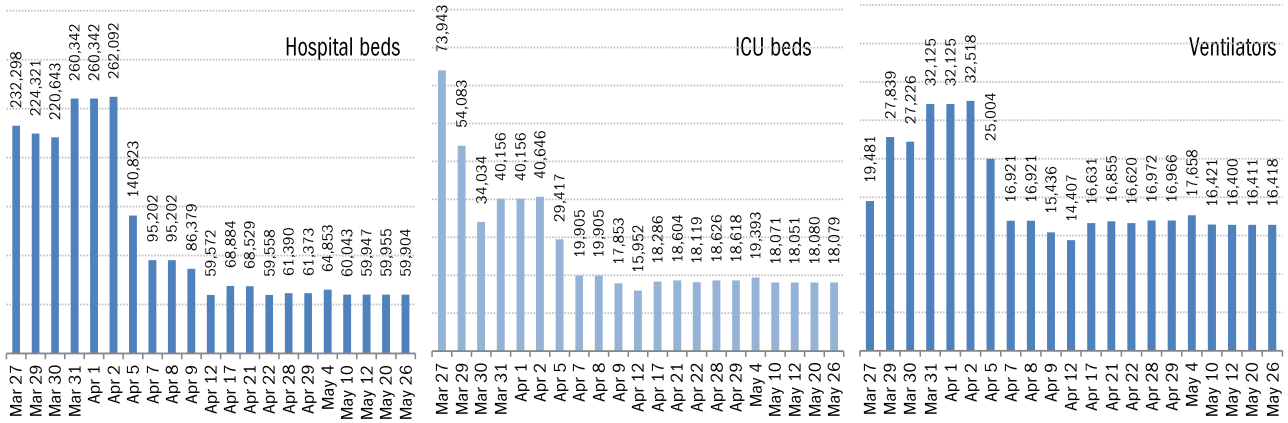
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

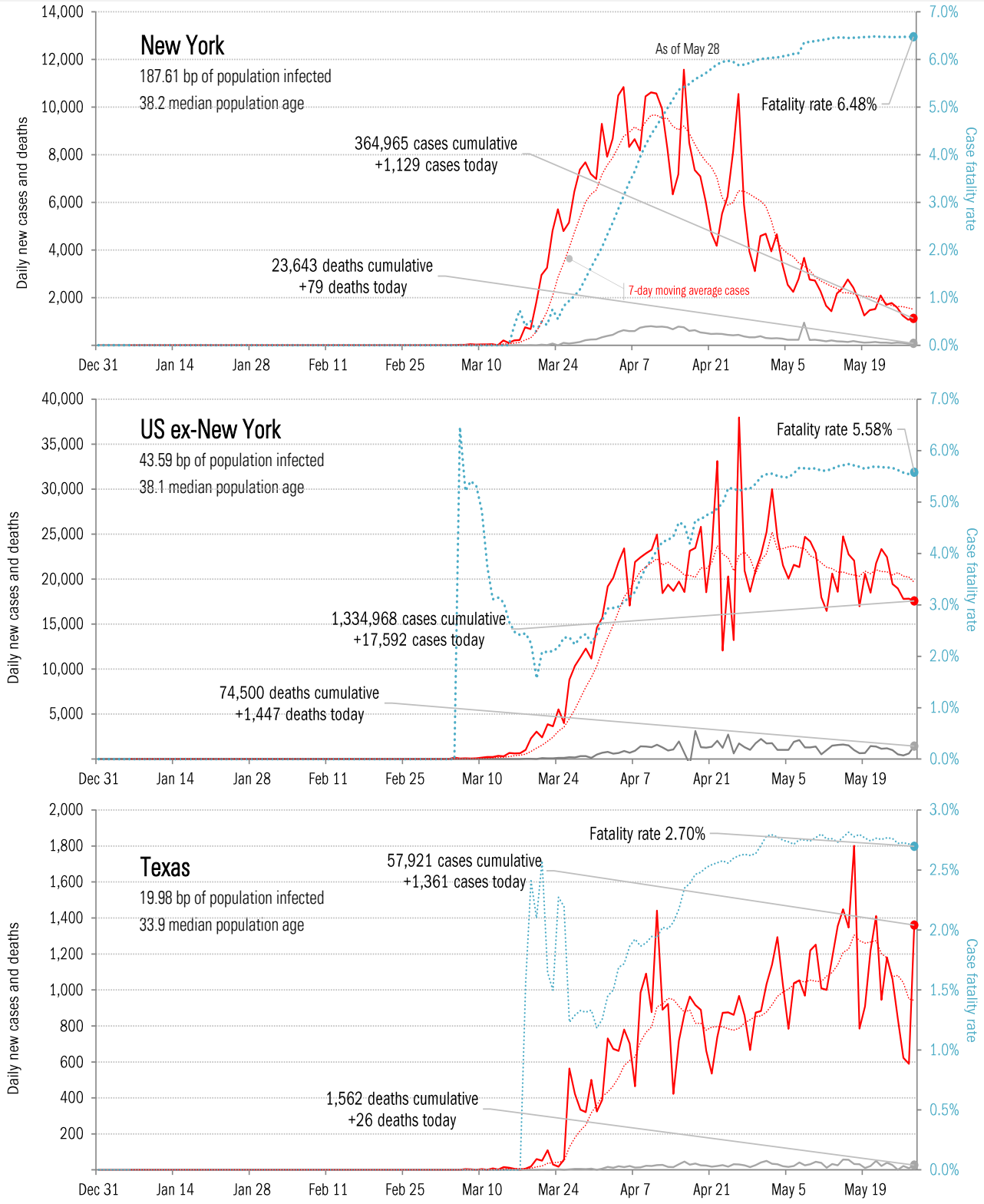


Healthcare system stress, peak estimated at each model revision



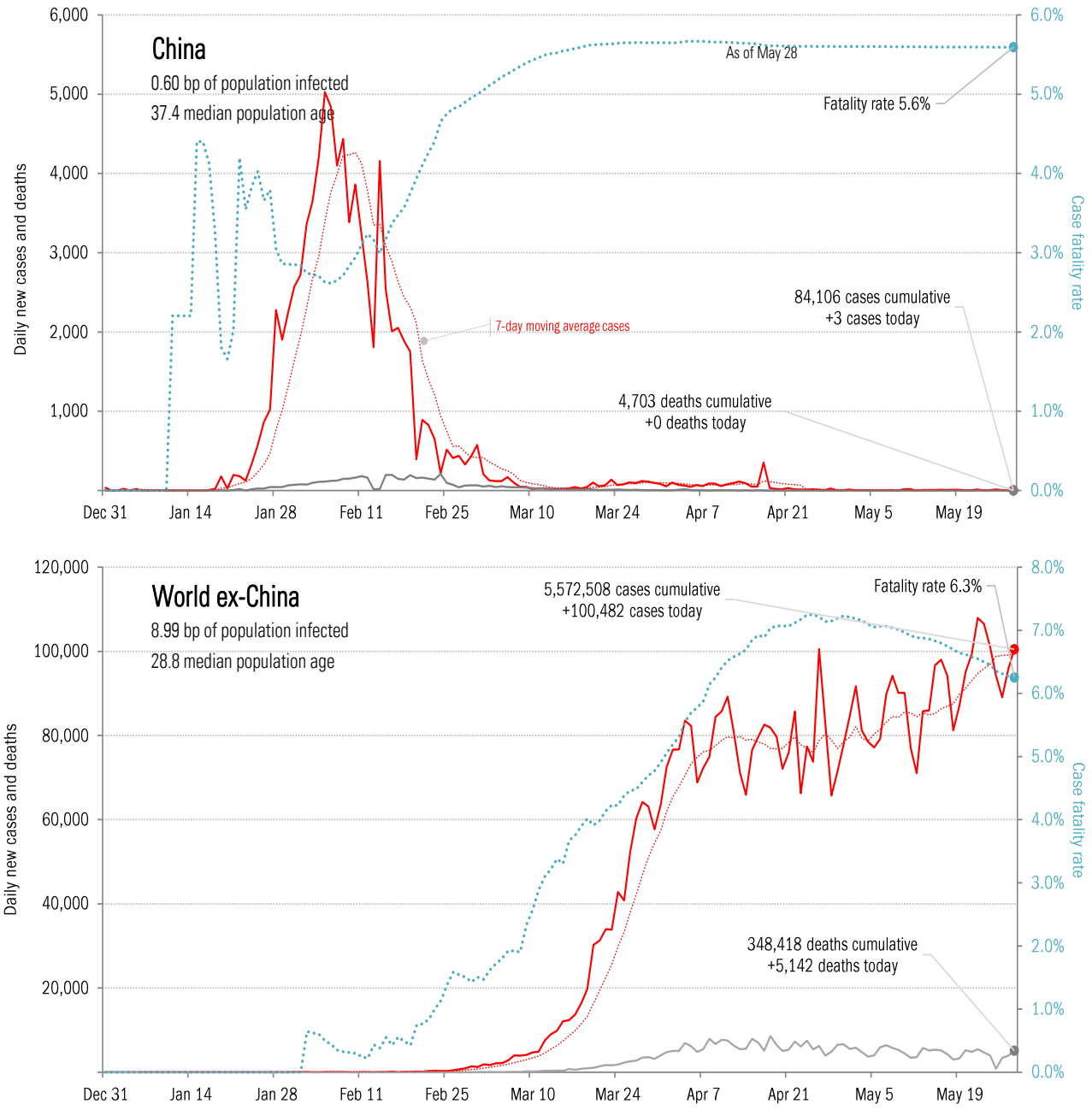
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



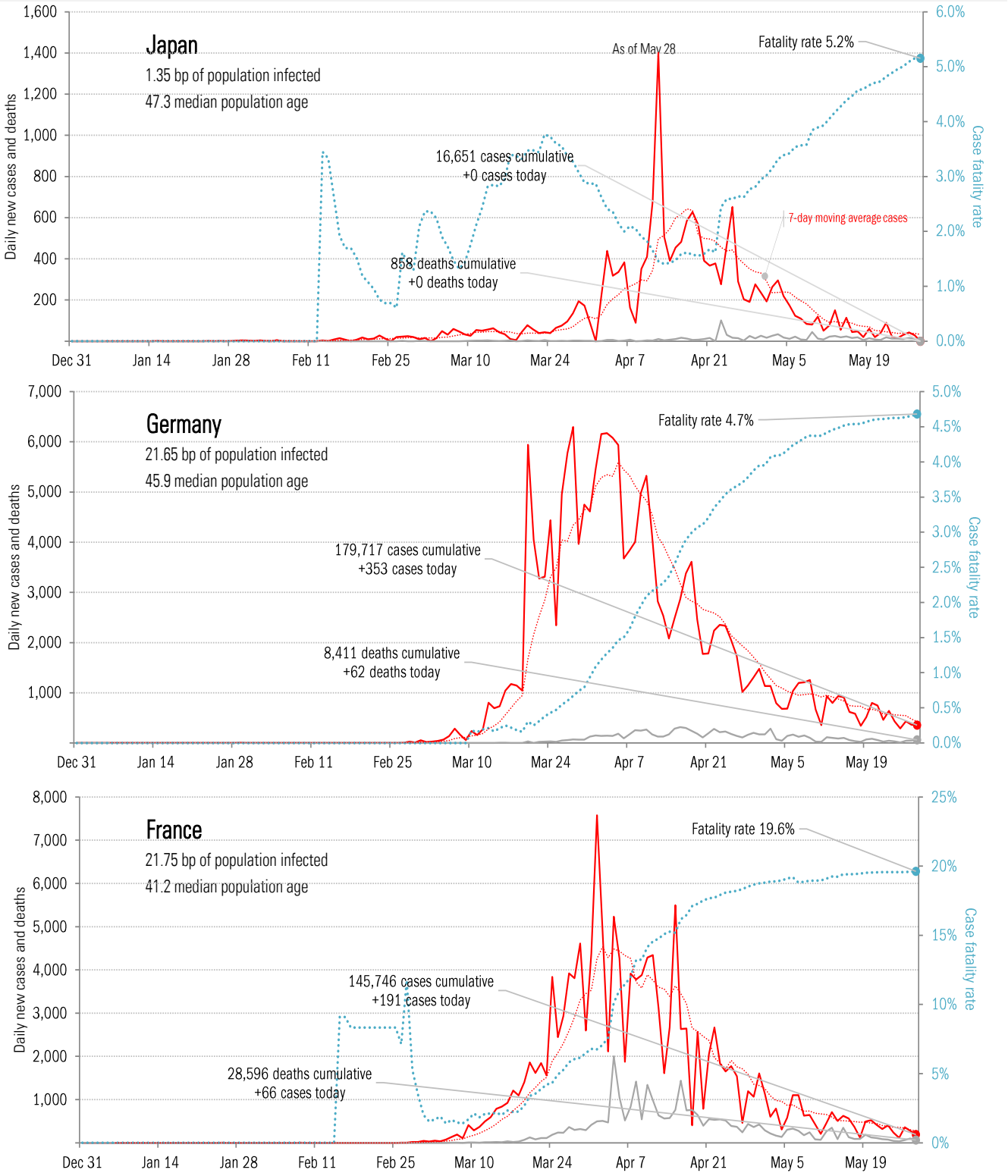
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



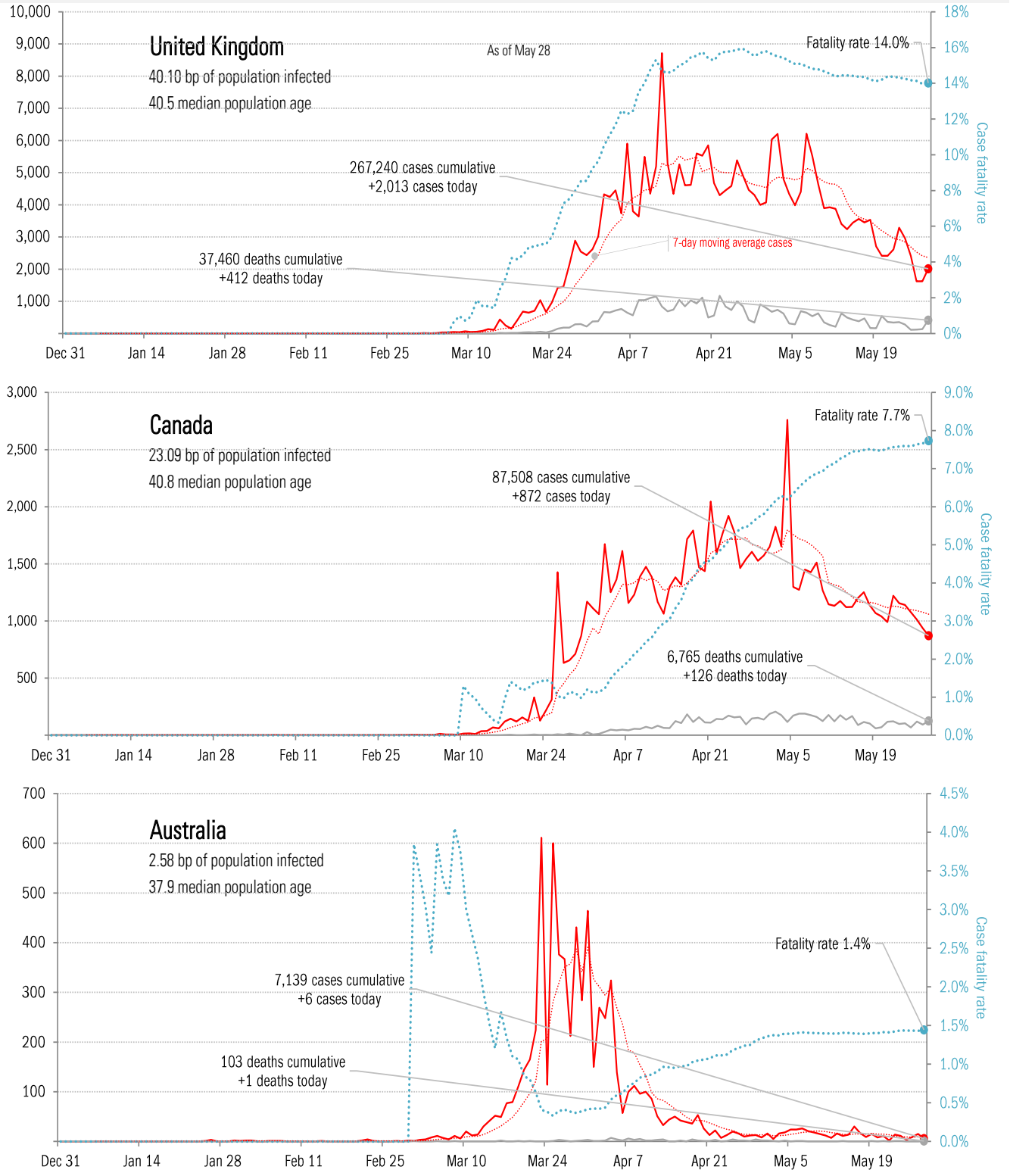
Source: ECDC, TrendMacro calculations

Impact in the largest economies



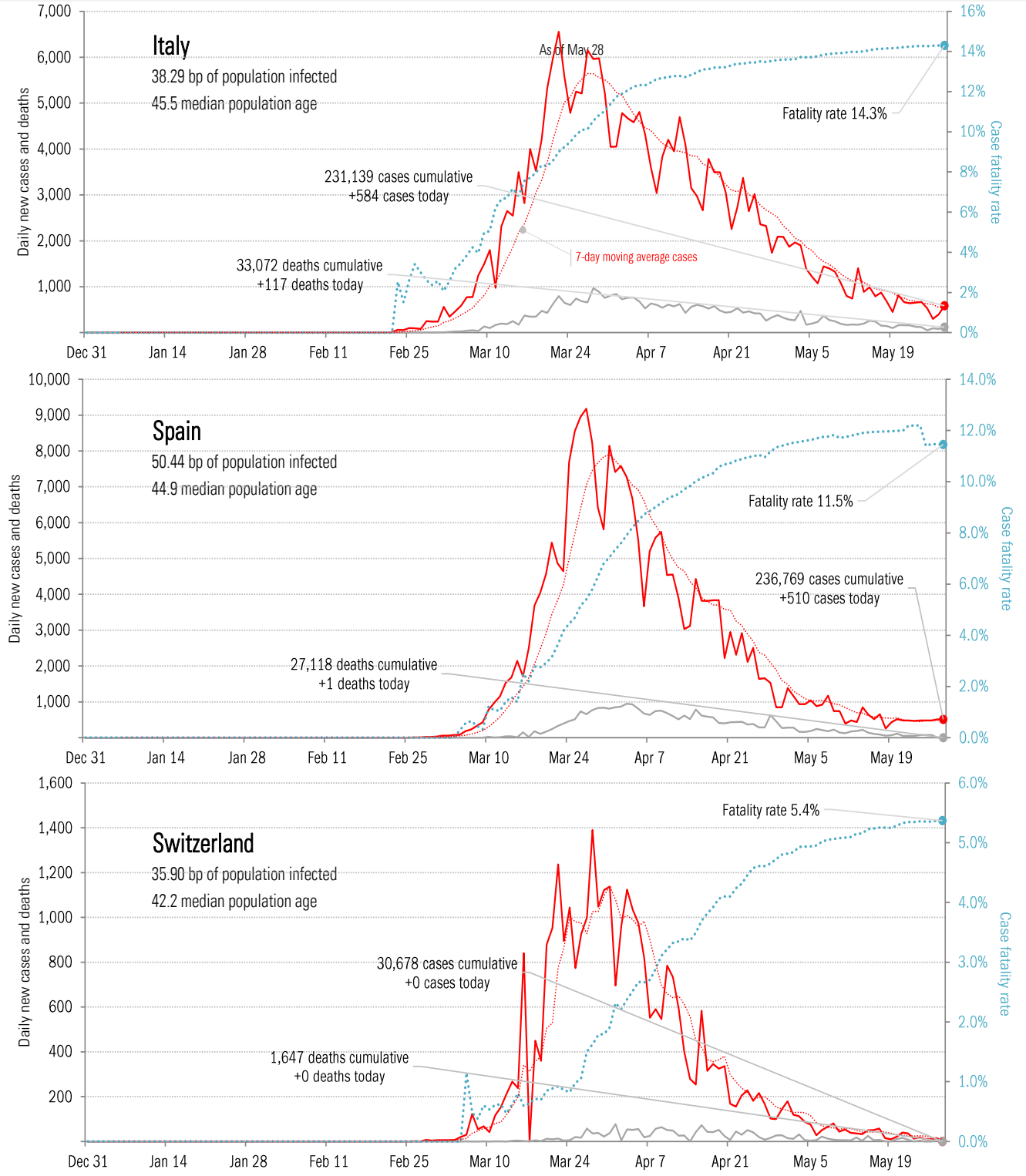
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



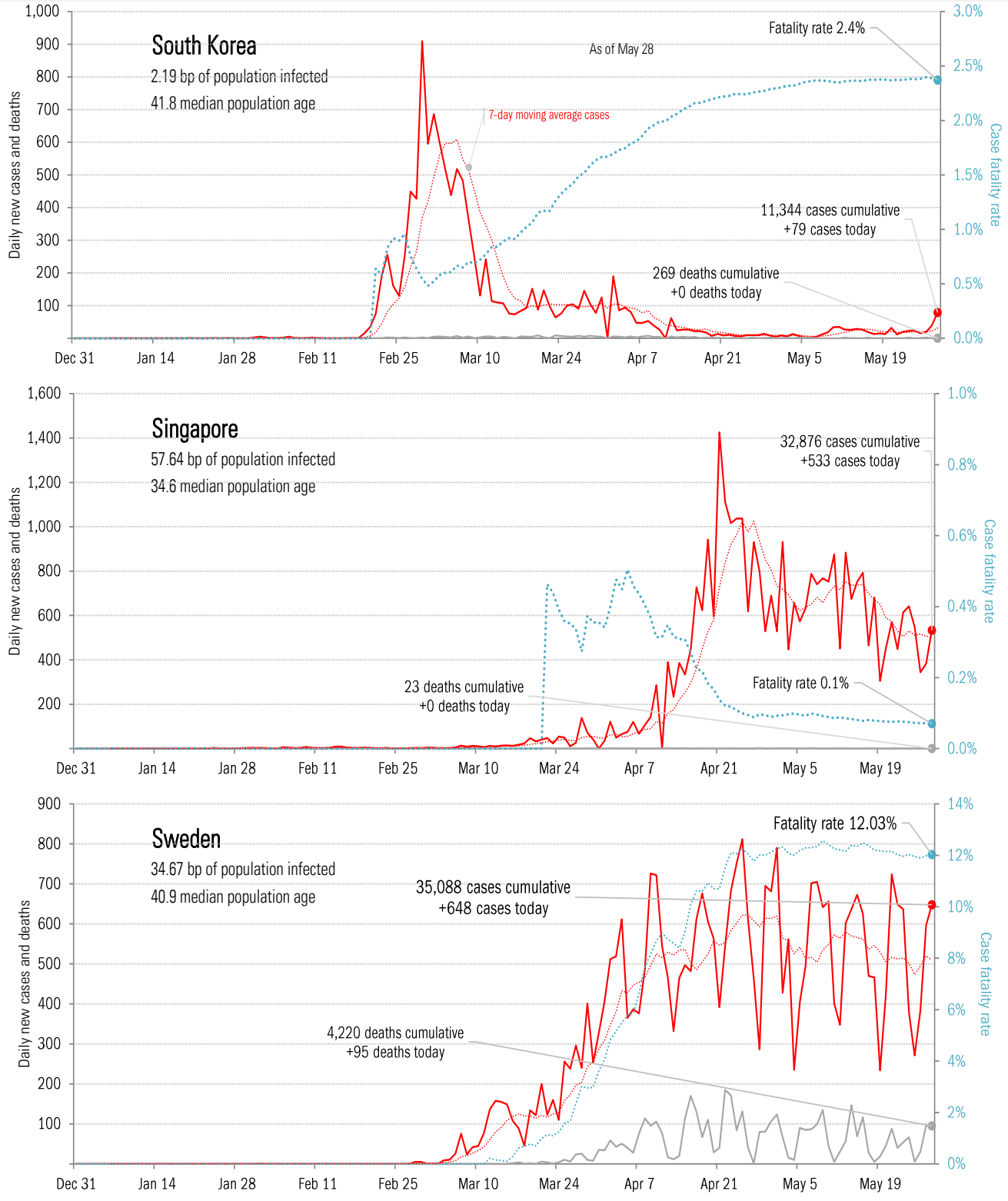
Source: ECDC, TrendMacro calculations

Impact in continental Europe



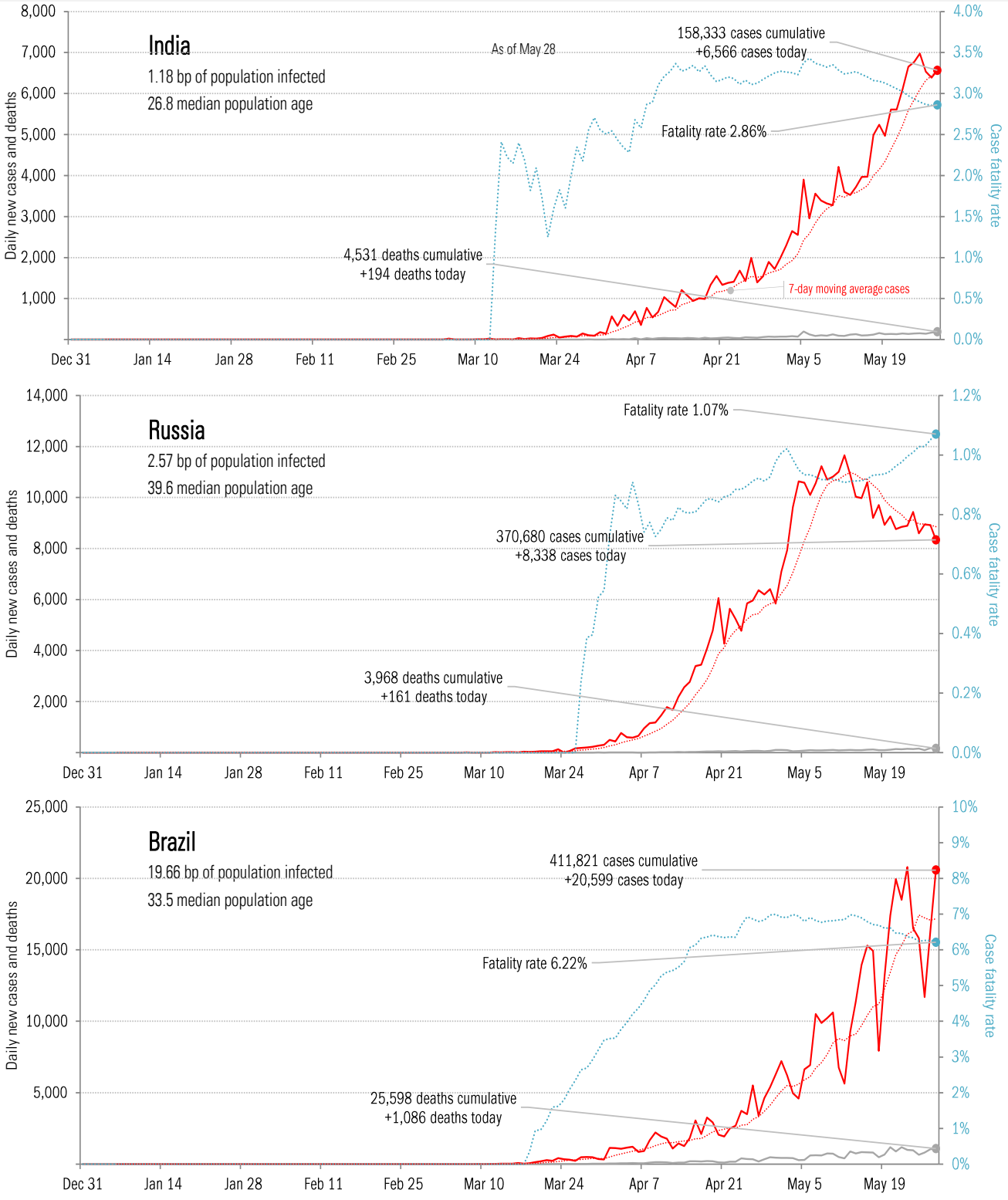
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



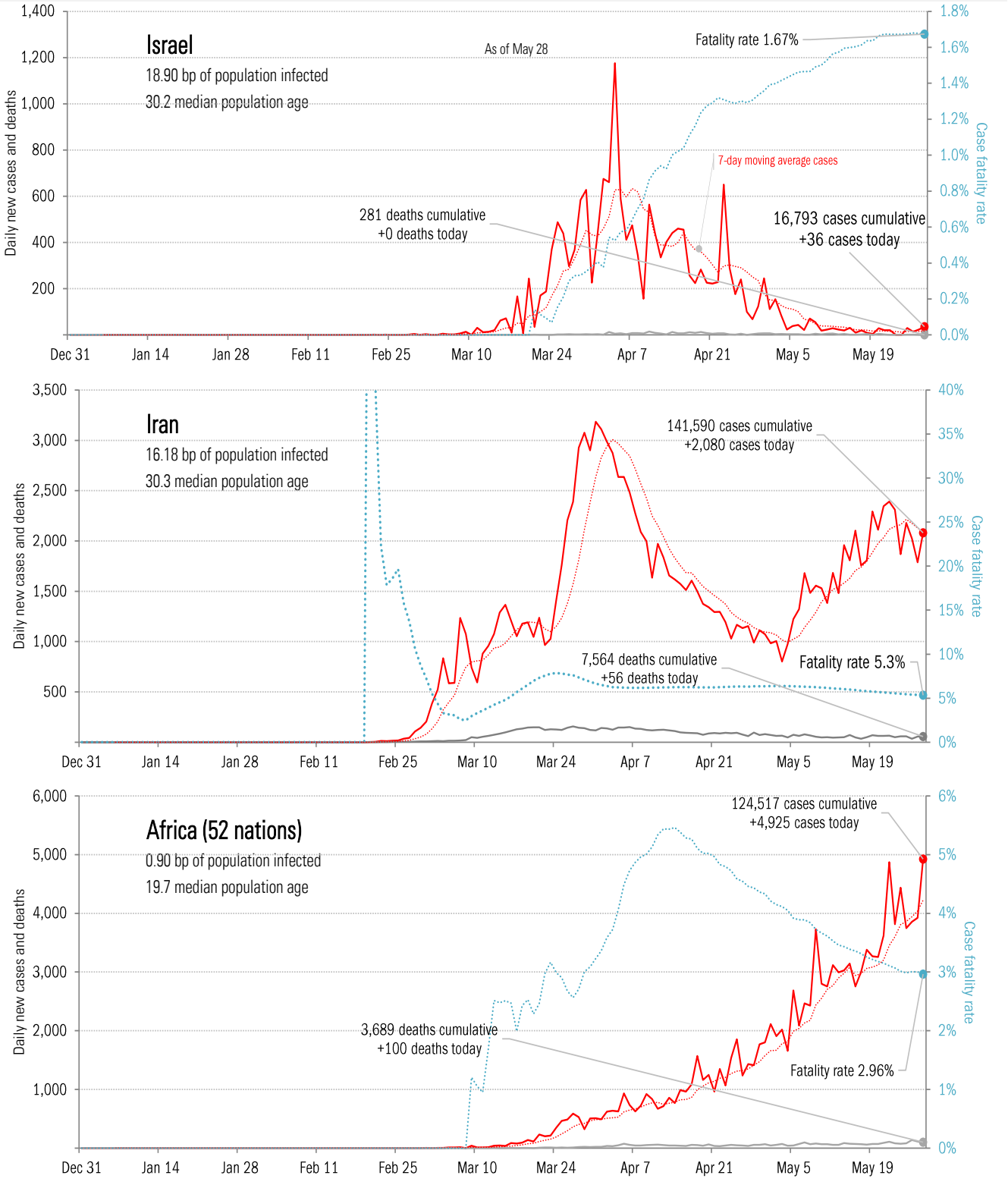
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations