

Data Insights: Covid-2019 Monitor

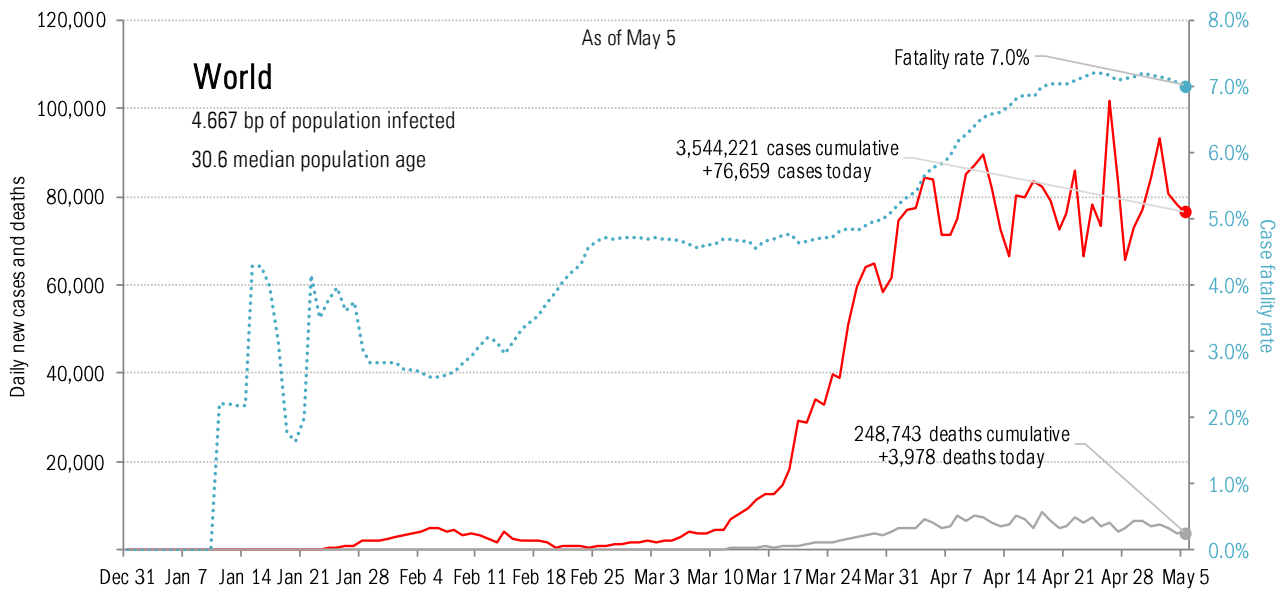
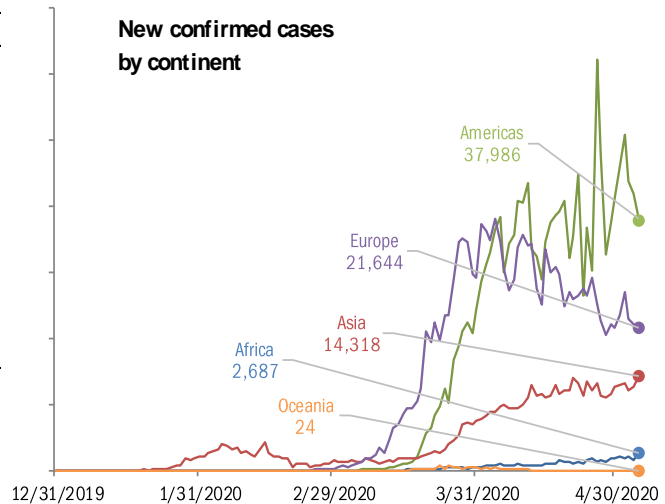
Tuesday, May 5, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+22,593	US	+1,252
Russia	+10,581	France	+306
Brazil	+6,633	Brazil	+296
UK	+3,985	UK	+288
India	+3,900	India	+195
Ecuador	+2,343	Italy	+195
Saudi_Arabia	+1,645	Canada	+172
Turkey	+1,614	Spain	+164
Peru	+1,444	Germany	+139
Mexico	+1,434	Mexico	+117
<hr/>		<hr/>	
	+56,172		+3,124
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World	+76,659	World	+3,978
Top ten	73%	Top ten	79%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

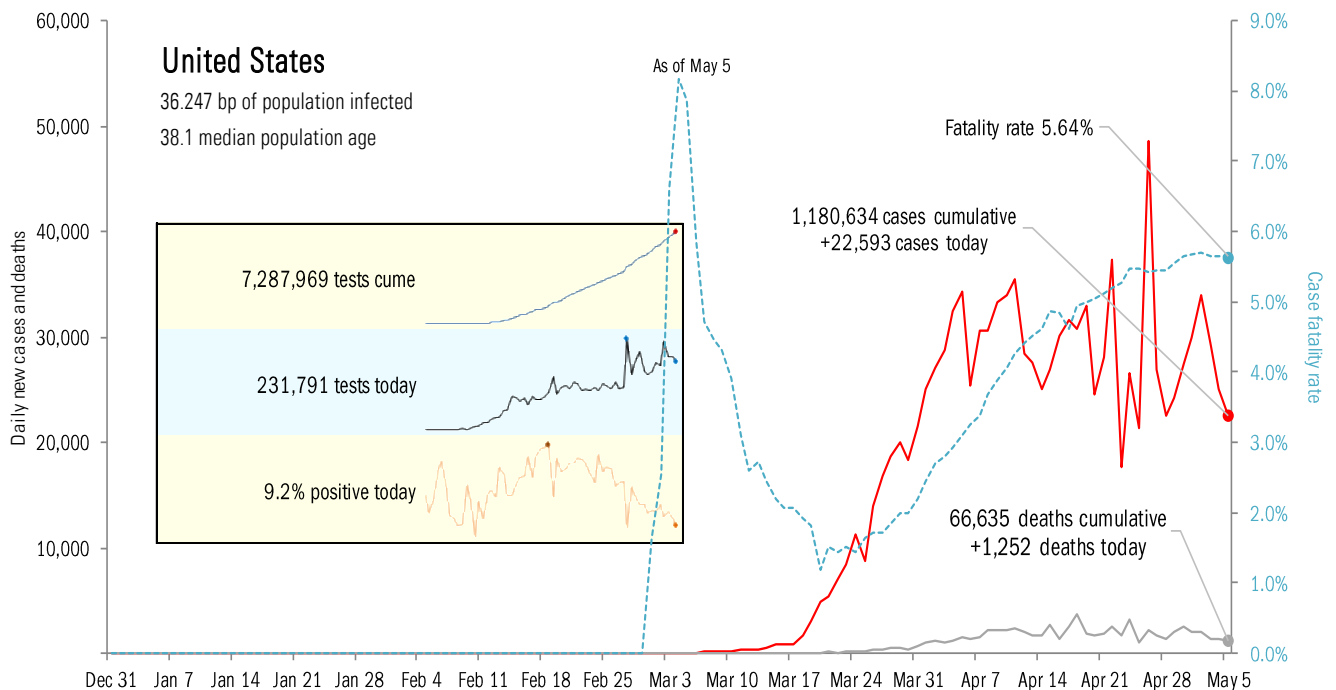
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
NY	+2,538	NY	+226	NY	+595	NY	318,953	NY	19,415	NY	69,331
IL	+2,341	LA	+95	MD	+148	NJ	128,269	NJ	7,910	CT	7,758
NJ	+1,525	MA	+86	GA	+133	MA	69,087	MA	4,090	MA	6,622
CA	+1,321	CT	+59	MA	+115	IL	63,840	MI	4,049	FL	6,329
MA	+1,000	GA	+45	KY	+108	CA	54,937	IL	2,662	GA	5,526
MD	+946	IL	+44	VA	+100	PA	50,092	CT	2,495	MD	5,199
PA	+825	CA	+39	FL	+85	MI	43,754	PA	2,458	VA	4,010
VA	+821	NJ	+39	MN	+72	FL	36,897	CA	2,254	OH	3,809
FL	+819	MD	+36	RI	+48	TX	32,332	LA	2,064	CO	2,799
TX	+784	DC	+33	OH	+40	LA	29,673	FL	1,423	WI	1,621
+12,920		+702		+1,444		827,834		48,820		113,004	
All states	+21,251	All states	+938	All states	+1,601	All states	1,173,257	All states	62,806	All states	127,397
Top ten	61%	Top ten	75%	Top ten	90%	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	
NJ	-1,502	NJ	-90	NY	-251	LA	+3,013
NY	-900	MA	-72	FL	-214	MN	+1,197
MA	-824	NY	-54	VA	-72	MS	+1,008
IL	-653	CT	-38	CO	-40	TX	+546
MI	-547	MI	-29	ID	-22	TN	+267



Source: States and test data [Covid Tracking Project](#), US data [ECDC](#), TrendMacro calculations

Recommended reading

[NWU researchers develop a throat-worn wearable that could offer early warnings for COVID-19 patients](#)

Darrell Etherington
Tech Crunch
May 4, 2020

[A Multi-Risk SIR Model with Optimally Targeted Lockdown](#)

Daron Acemoglu et al.
NBER
May 2020

[The Subways Seeded the Massive Coronavirus Epidemic in New York City](#)

Jeffrey E. Harris
NBER
April 24, 2020

[Conte Faces New Lockdown Criticism as Italy Set to Reopen](#)

Tommaso Ehardt
Bloomberg
May 3, 2020

[Nobel prize-winning scientist: the Covid-19 epidemic was never exponential](#)

Freddie Sayers
The Unherd
May 2, 2020

[Could Retroviruses Play a Role in COVID-19?](#)

Dr. Joseph Mercola
Mercola
May 3, 2020

[Italian scientist says she discovered main mechanism behind COVID-19](#)

Maayan Jaffe-Hoffman
Jerusalem Post
May 3, 2020

[Isolation as dangerous as smoking 15 cigarettes a day, lockdown adviser warns](#)

Hayley Dixon
The Telegraph
May 2, 2020

[Committee to Unleash Prosperity Coronavirus Response Scorecard](#)

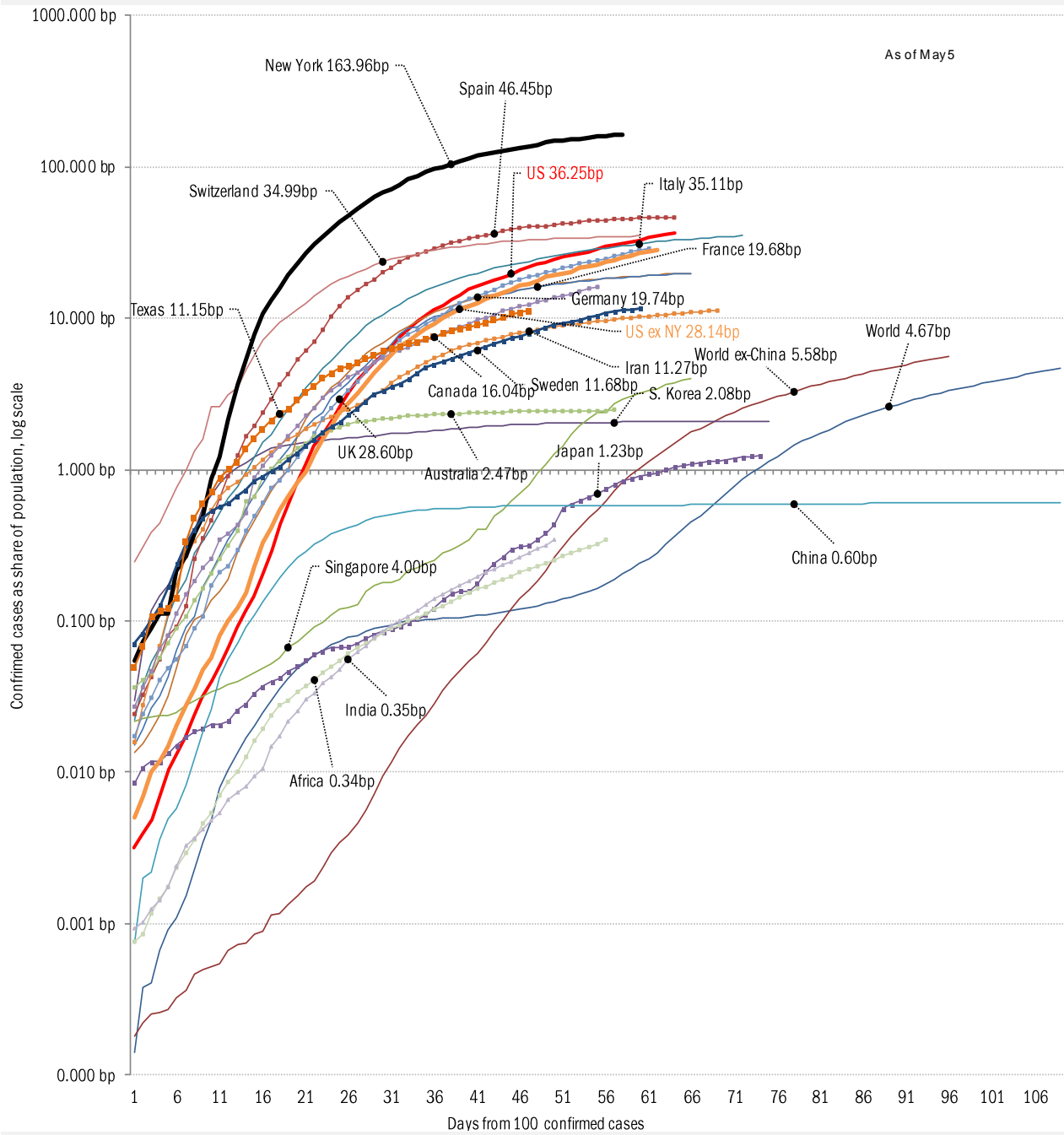
Jonathan Decker
Committee to Unleash Prosperity
May 4, 2020

Meme of the day



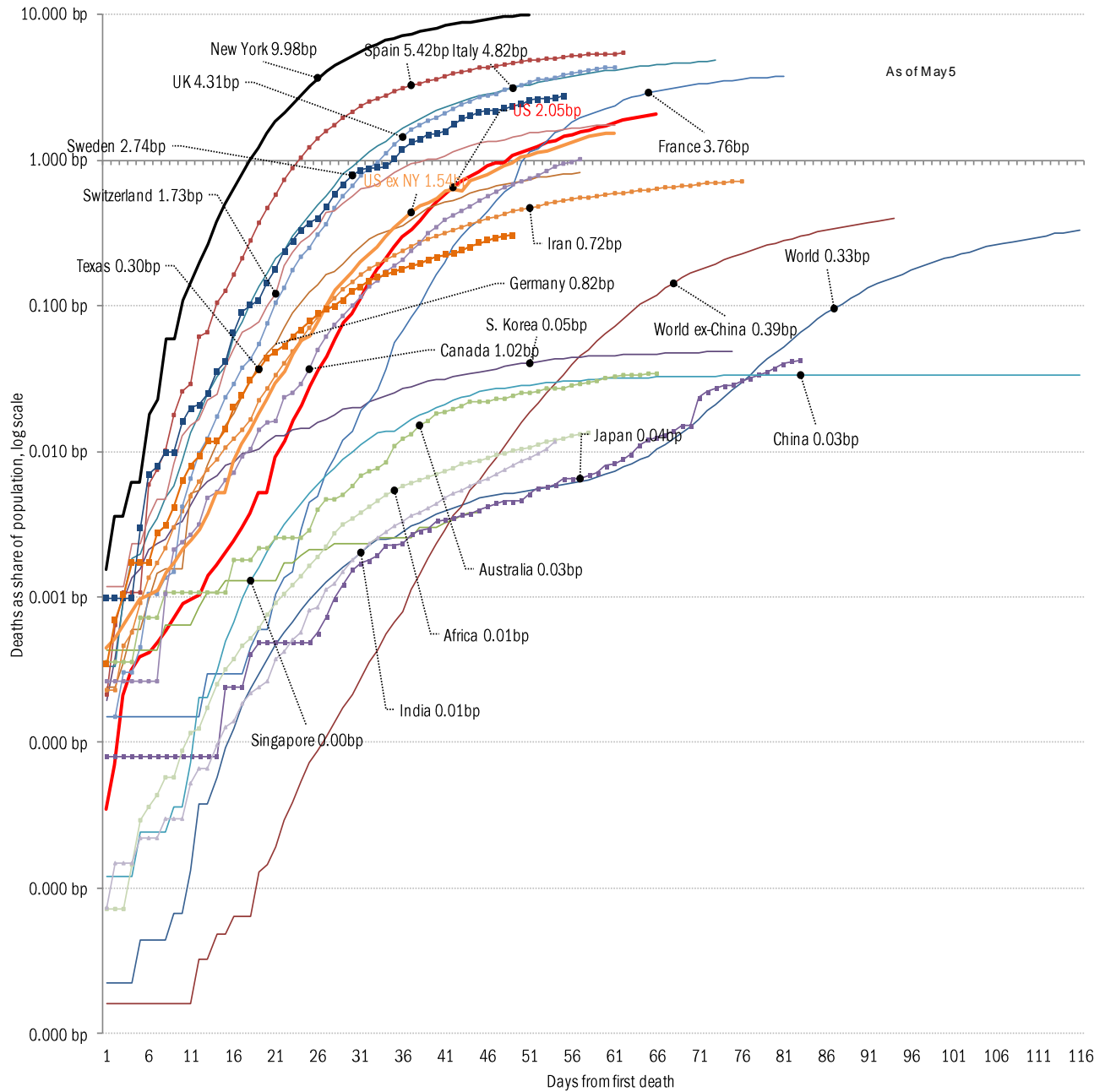
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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



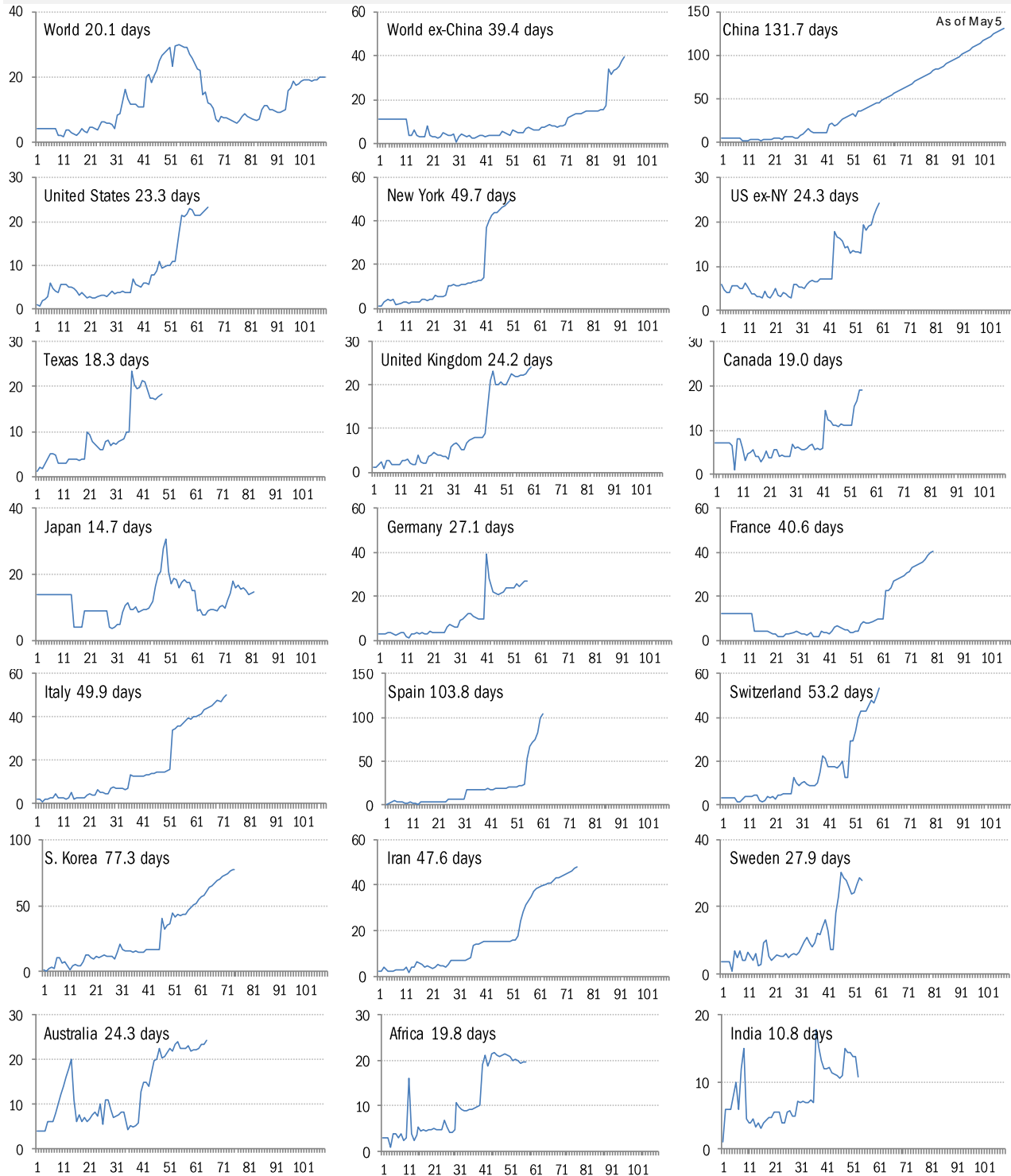
Source: [ECDC](#), TrendMacro calculations

Our most reliable evidence of slowing the Moore's law of Covid-19

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

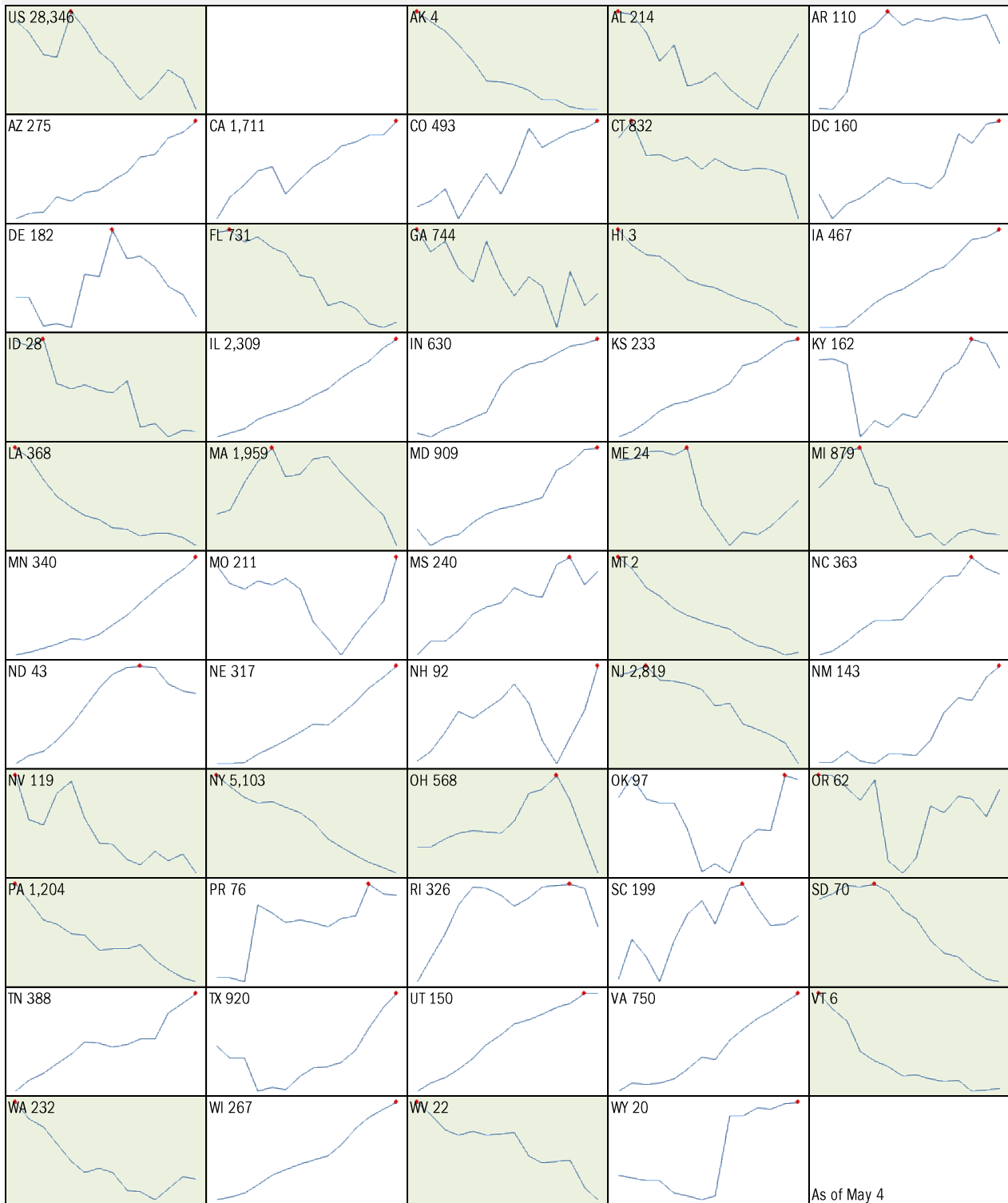
Progress means seeing the line move up and to the right...

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



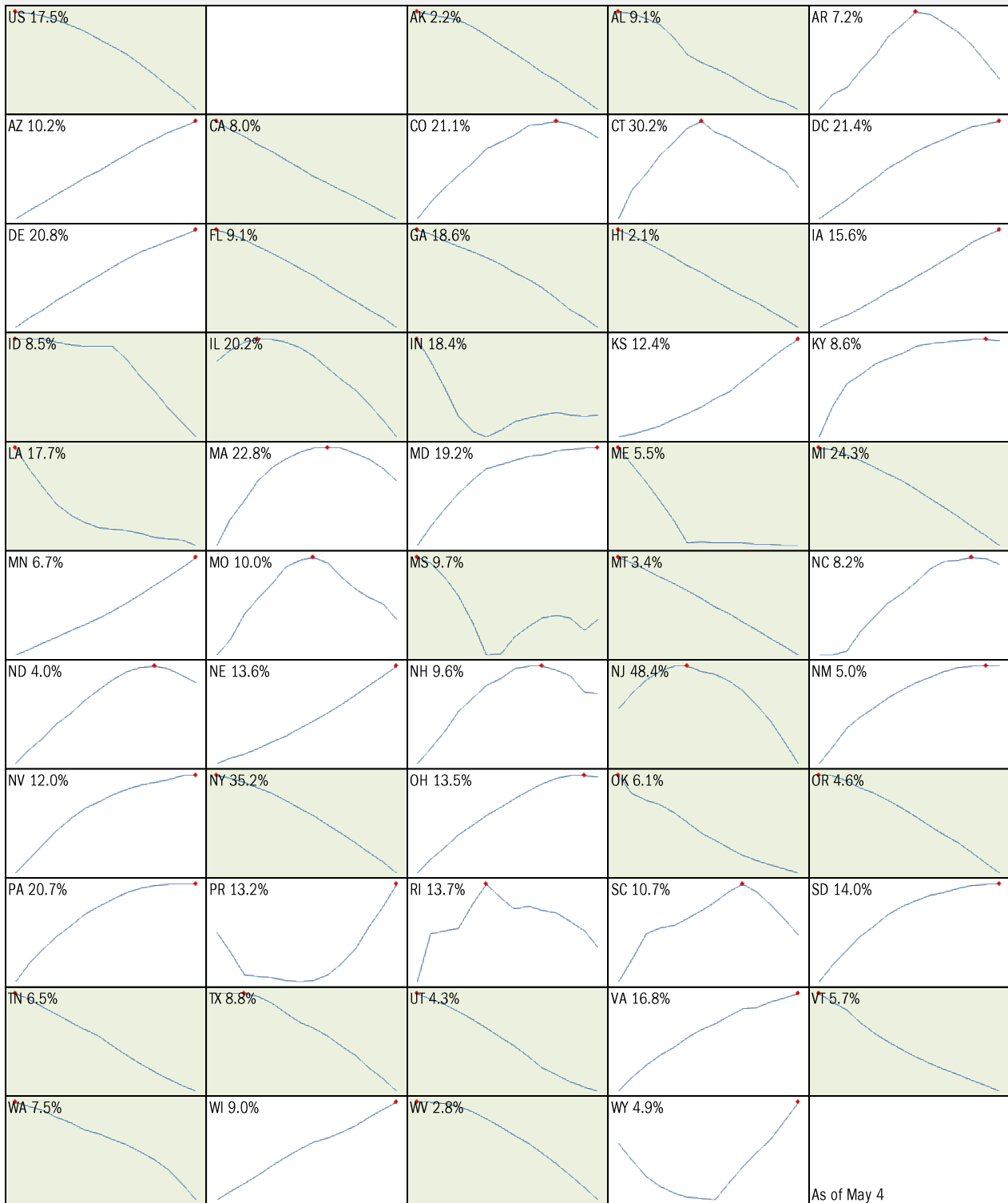
Source: [ECDC](#), TrendMacro calculations

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



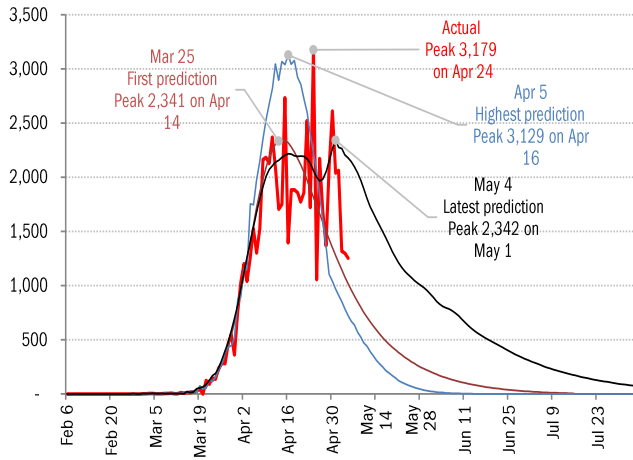
Source: [Covid Tracking Project](#), TrendMacro calculations

Reality-checking the models: actuals versus [IHME predictions](#)

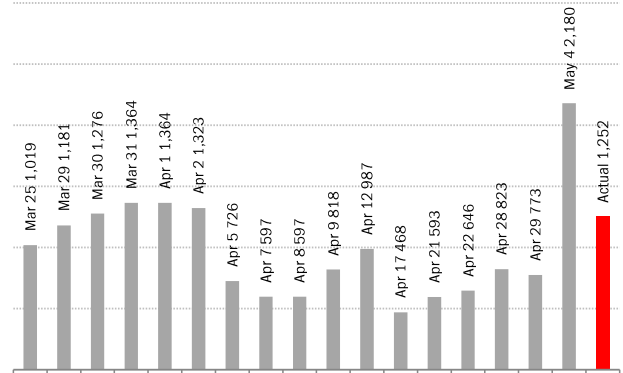
New daily fatalities

As of May 5

Actual versus first, highest and latest model mean predictions

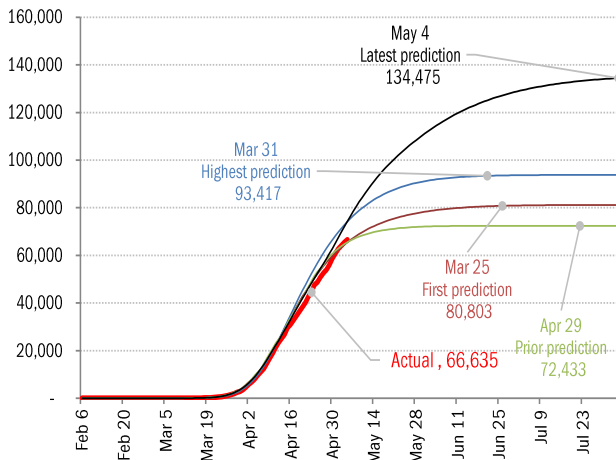


For this day, versus all model mean predictions

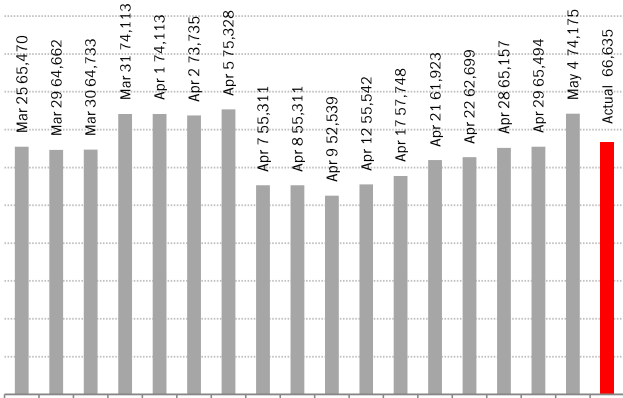


Cumulative fatalities

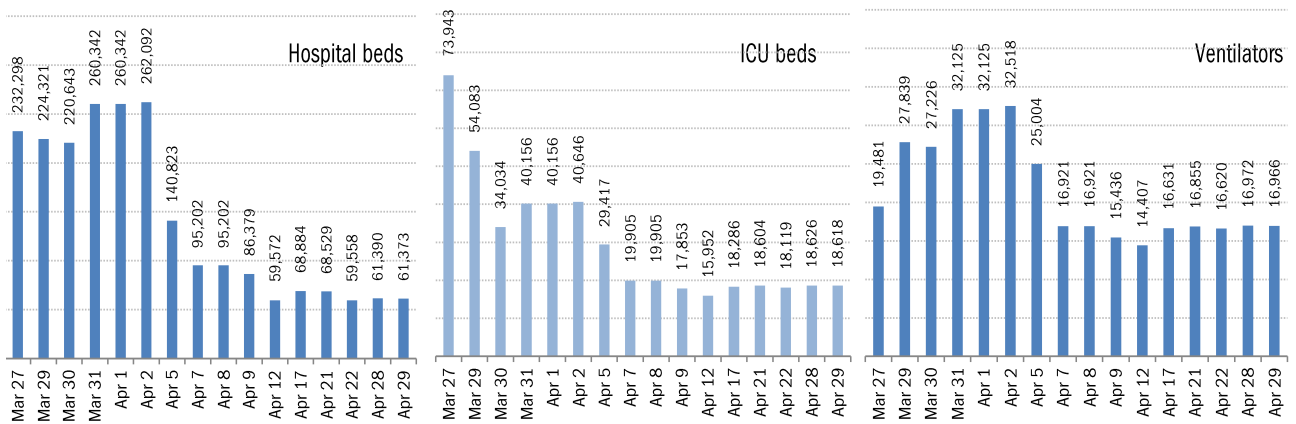
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

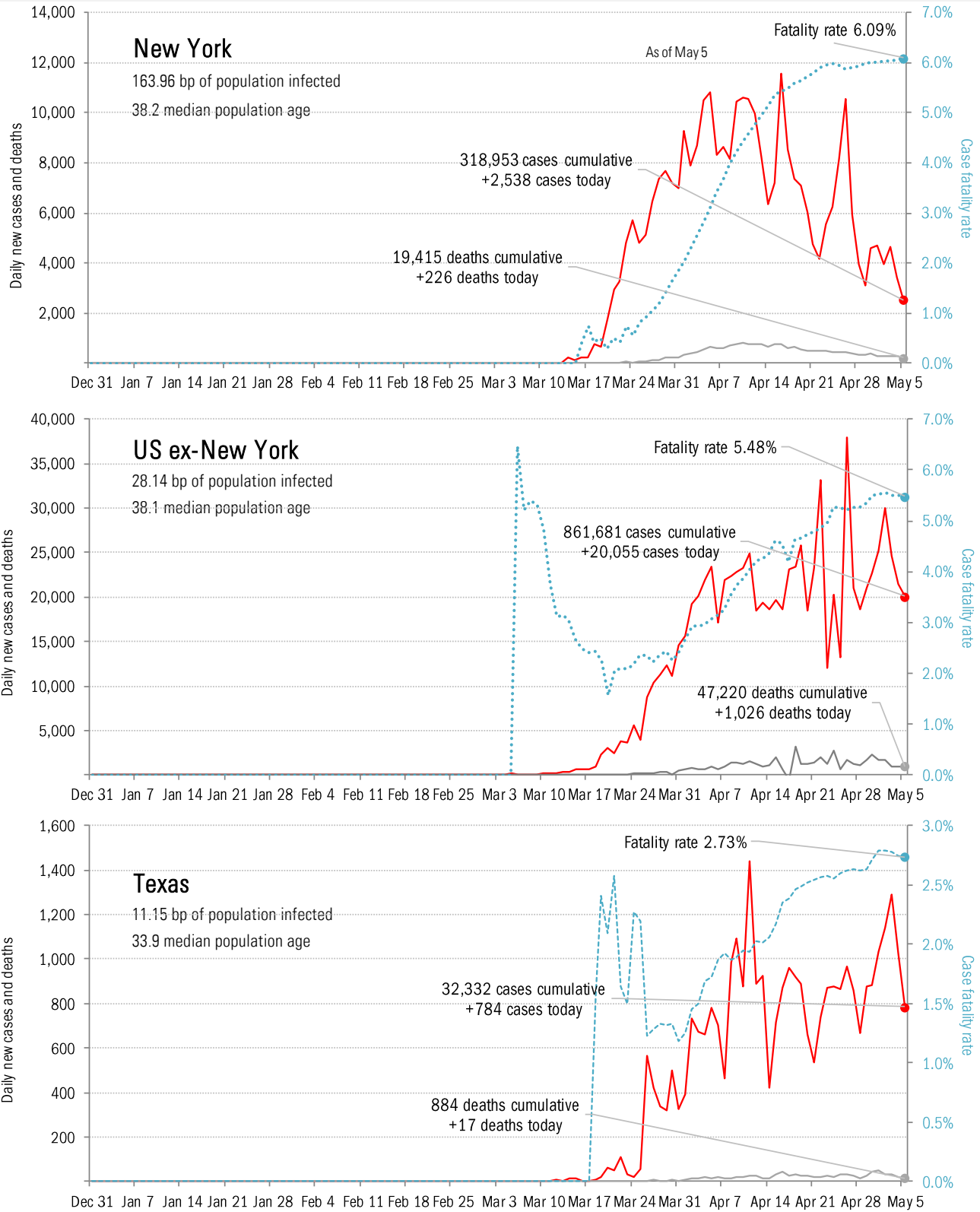


Healthcare system stress, peak estimated at each model revision



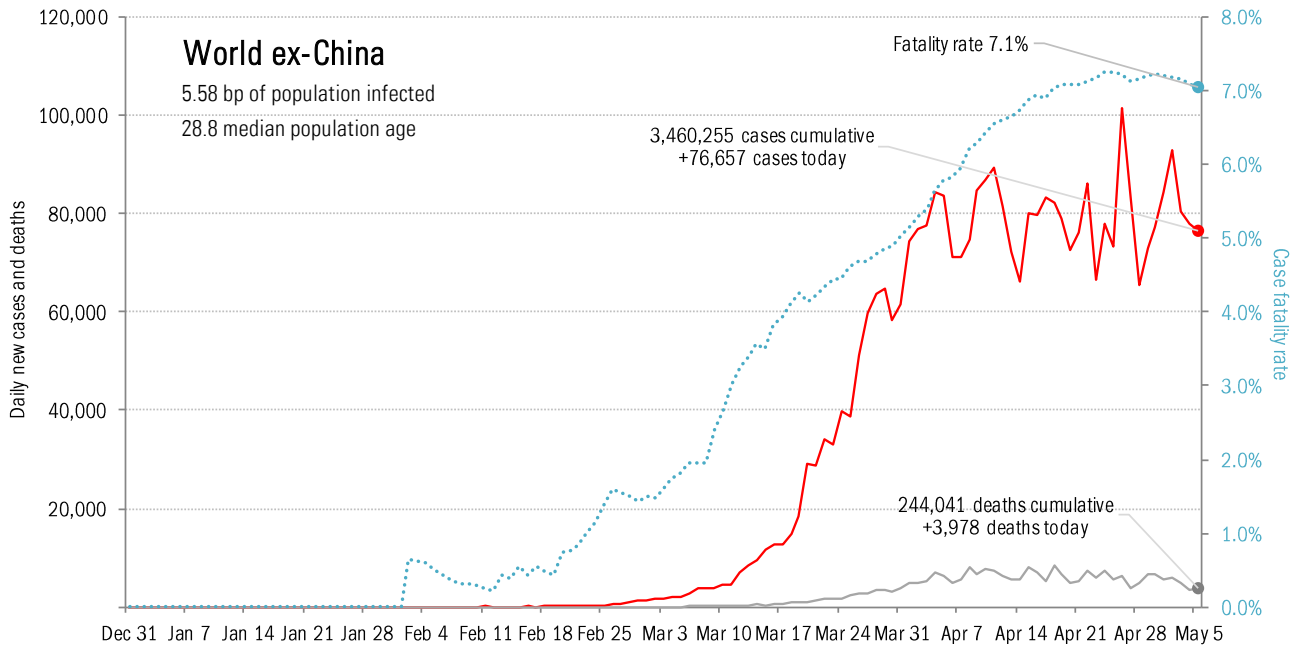
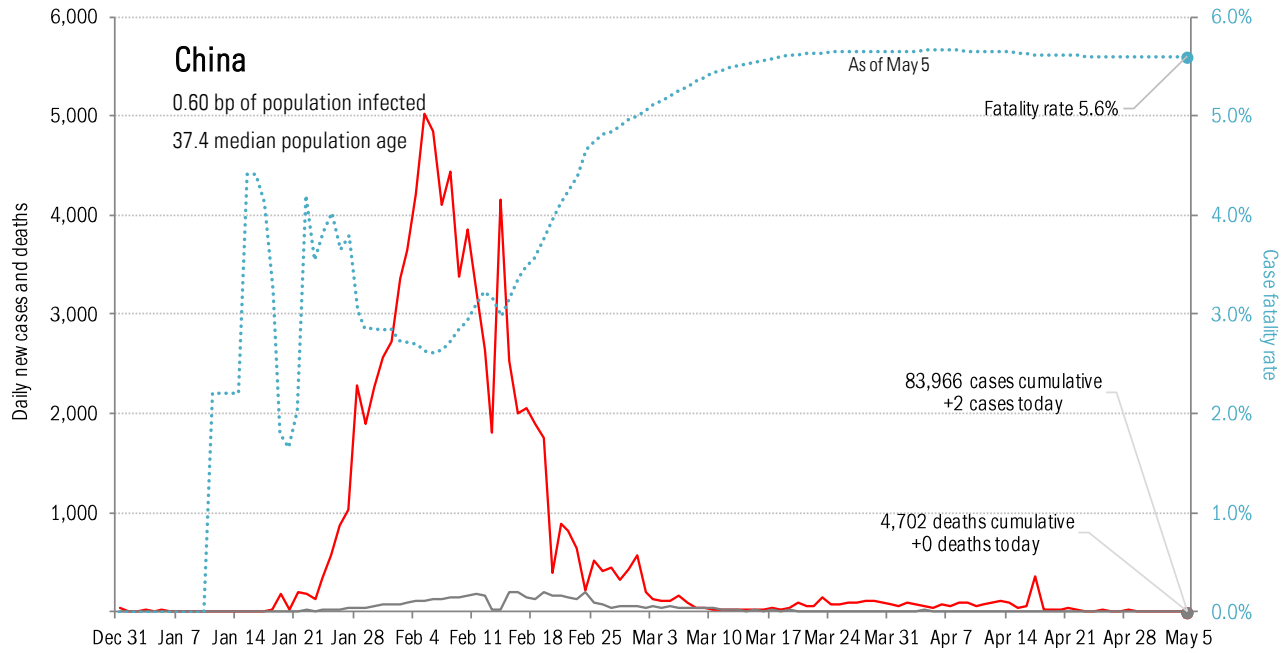
Source: [ECDC](#), TrendMacro calculations

From Ground Zero to the Rio Grande



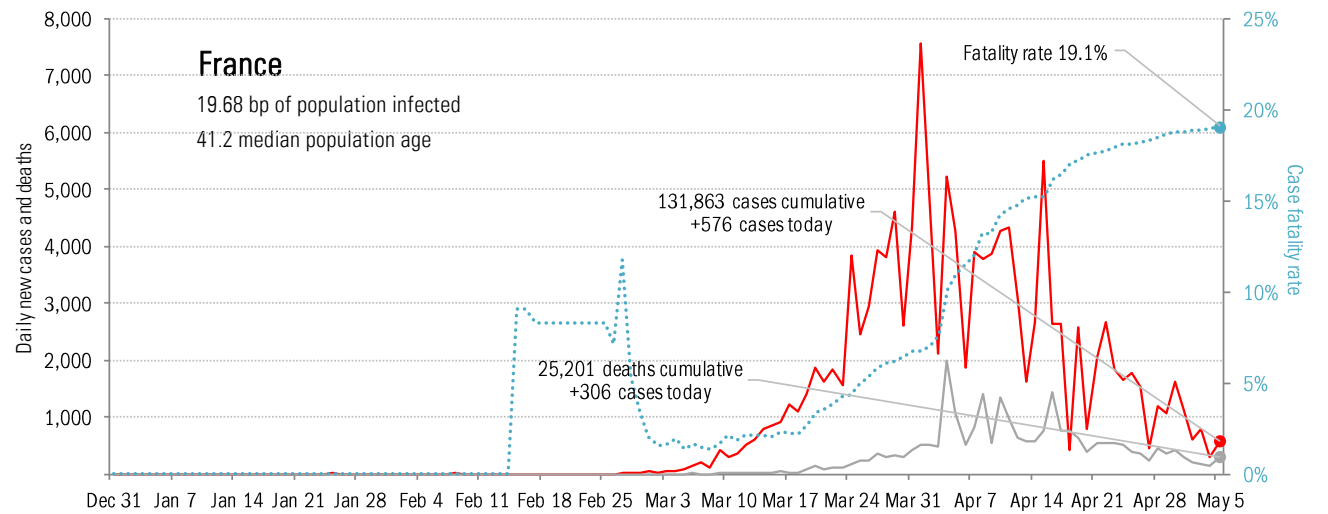
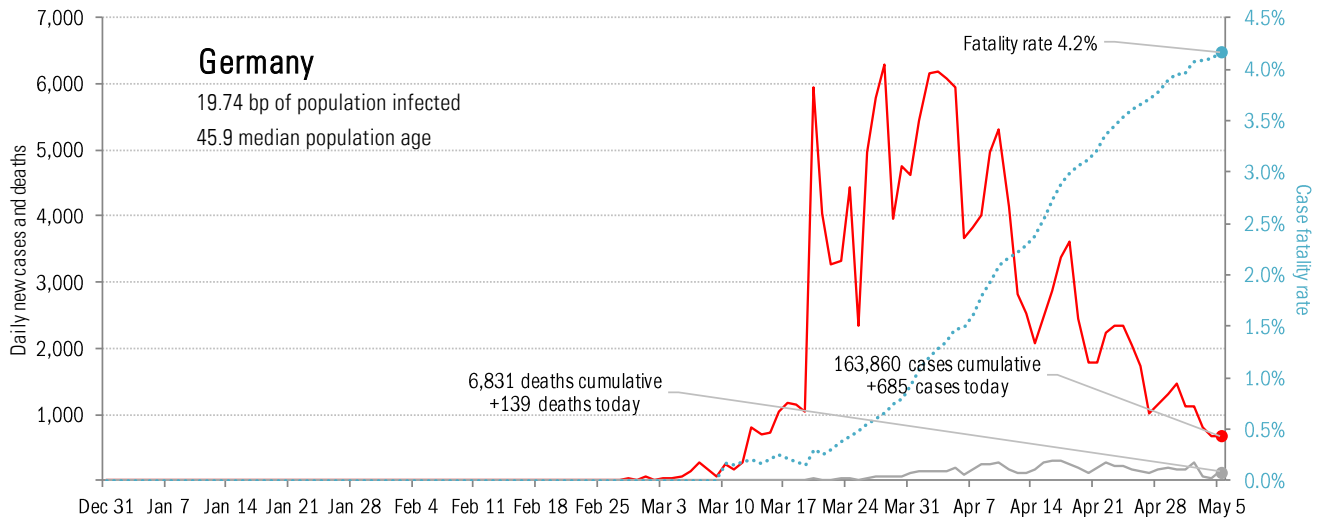
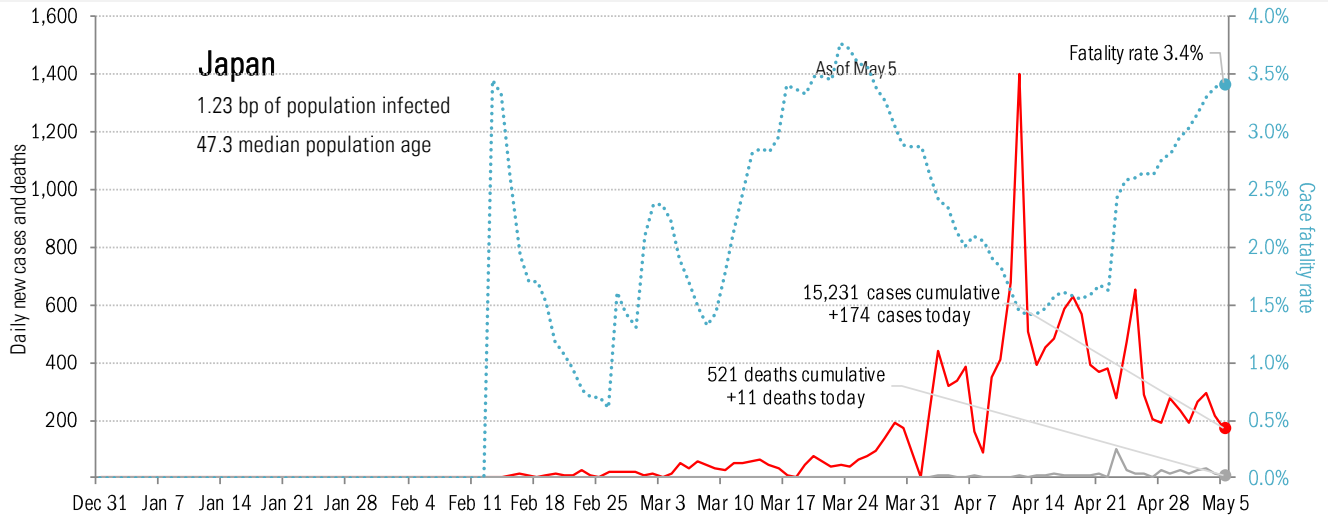
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



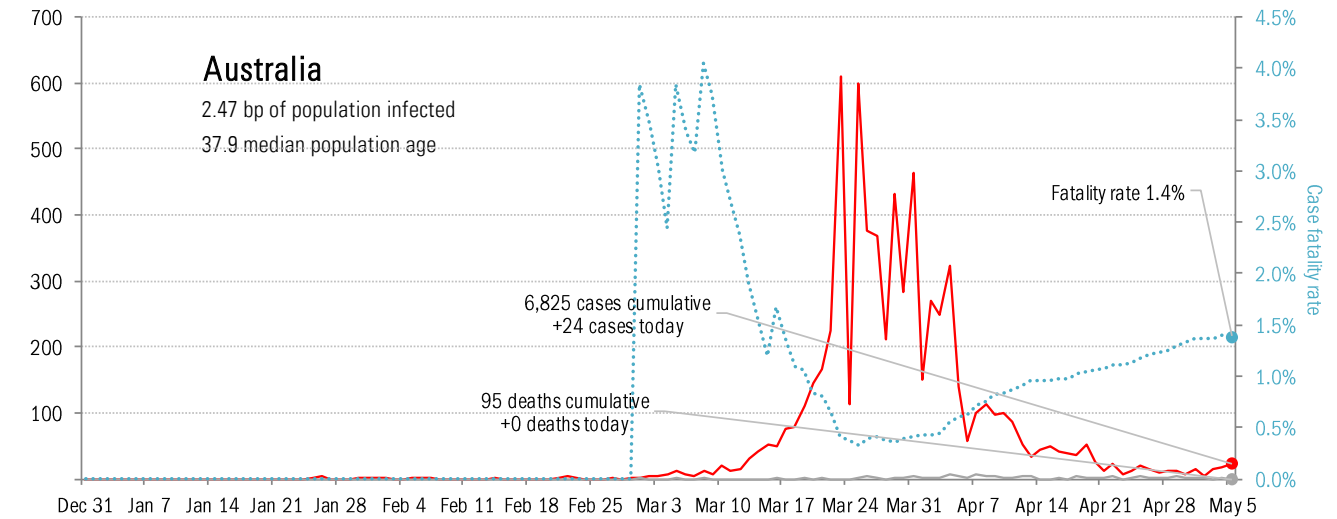
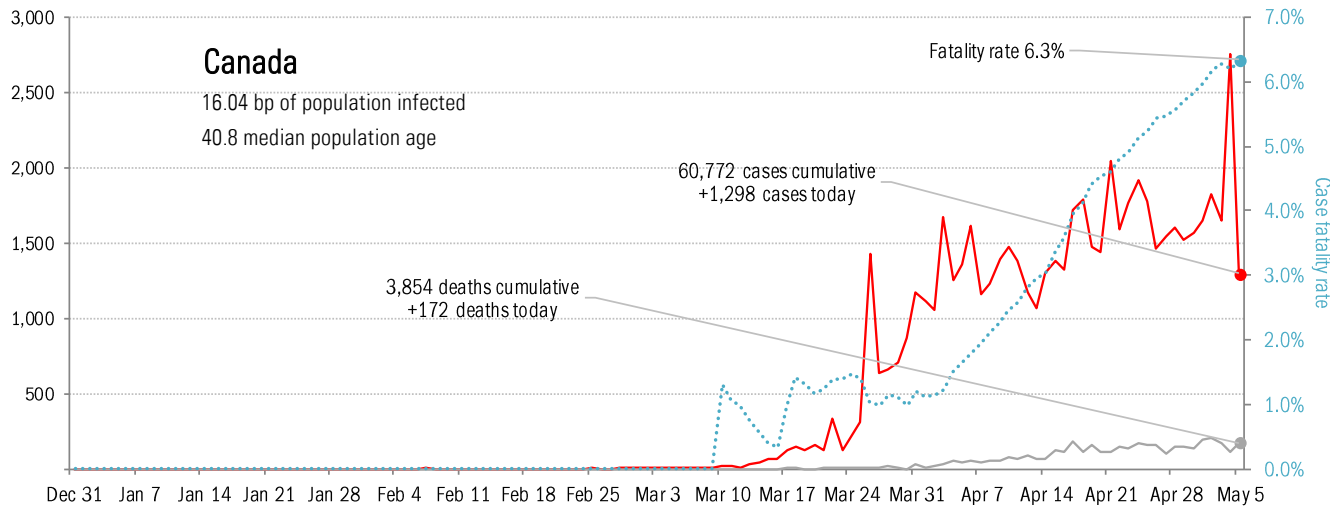
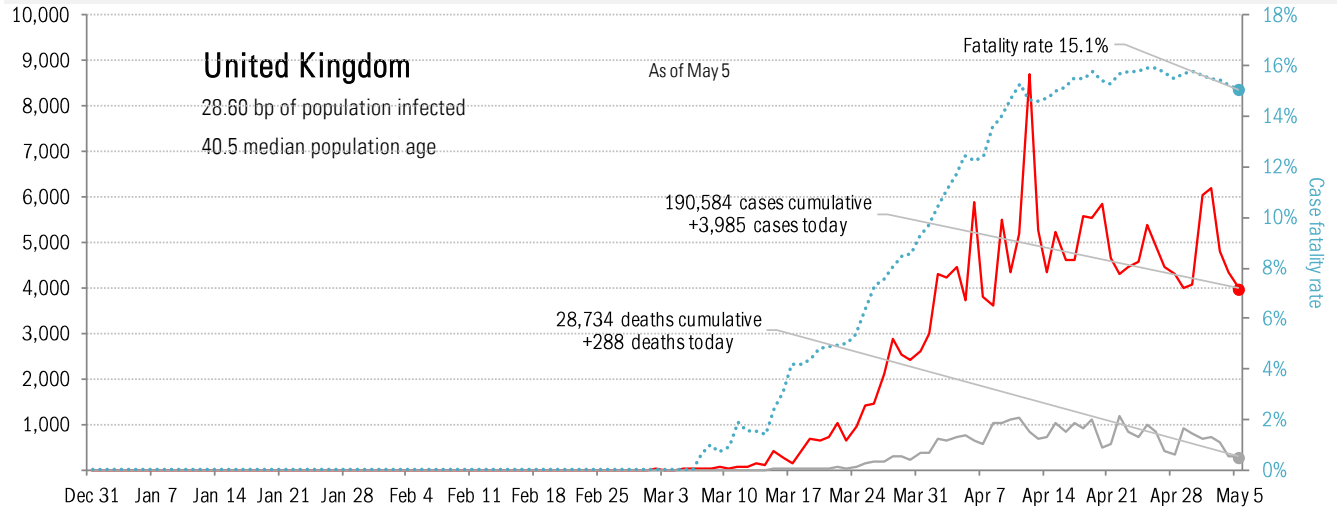
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



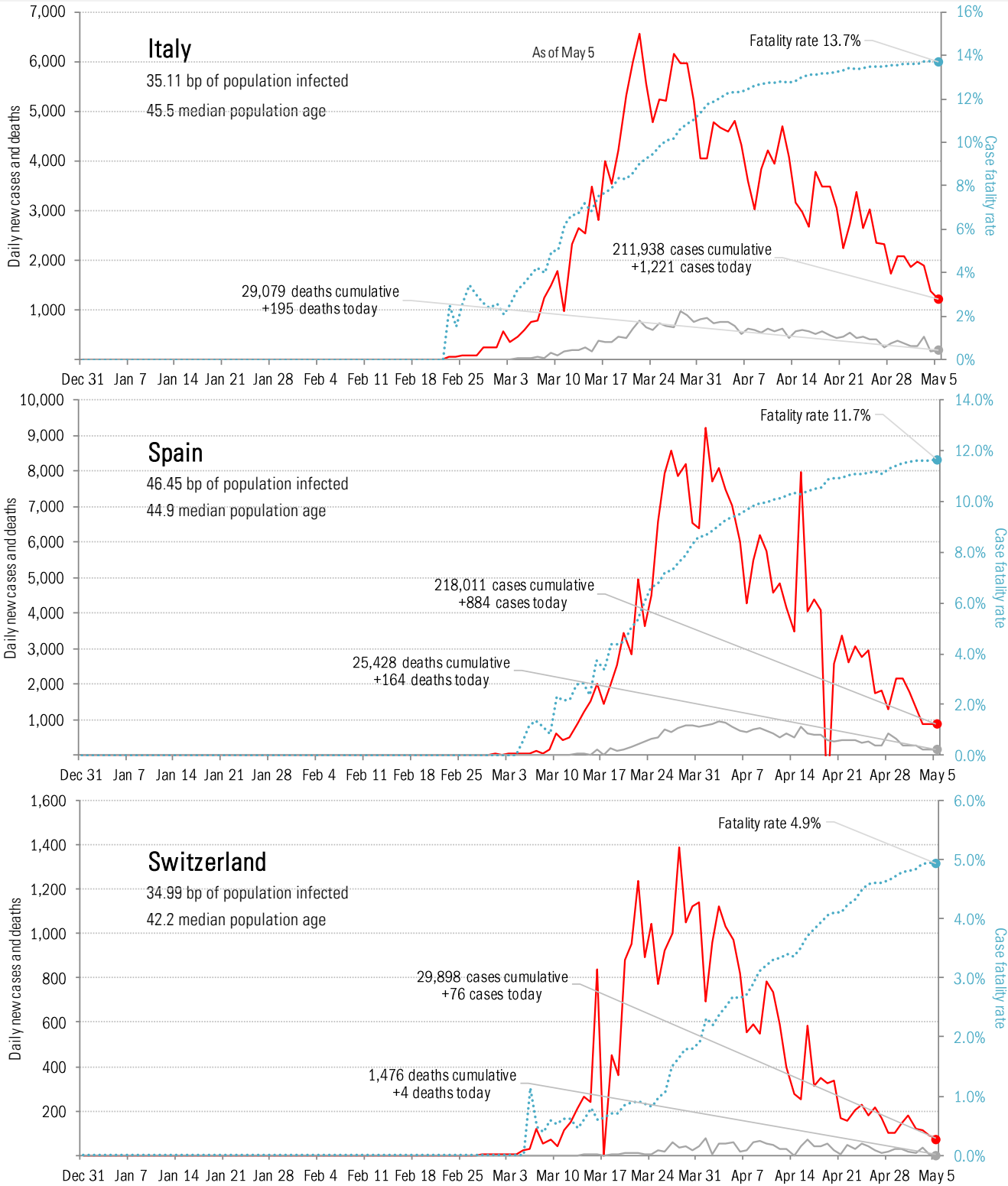
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



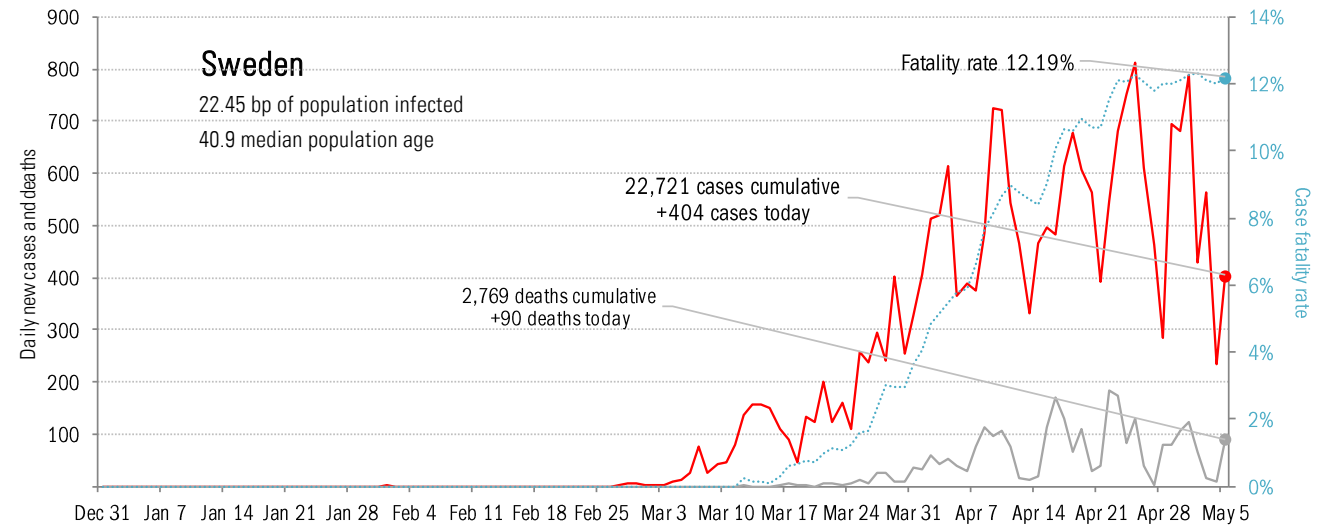
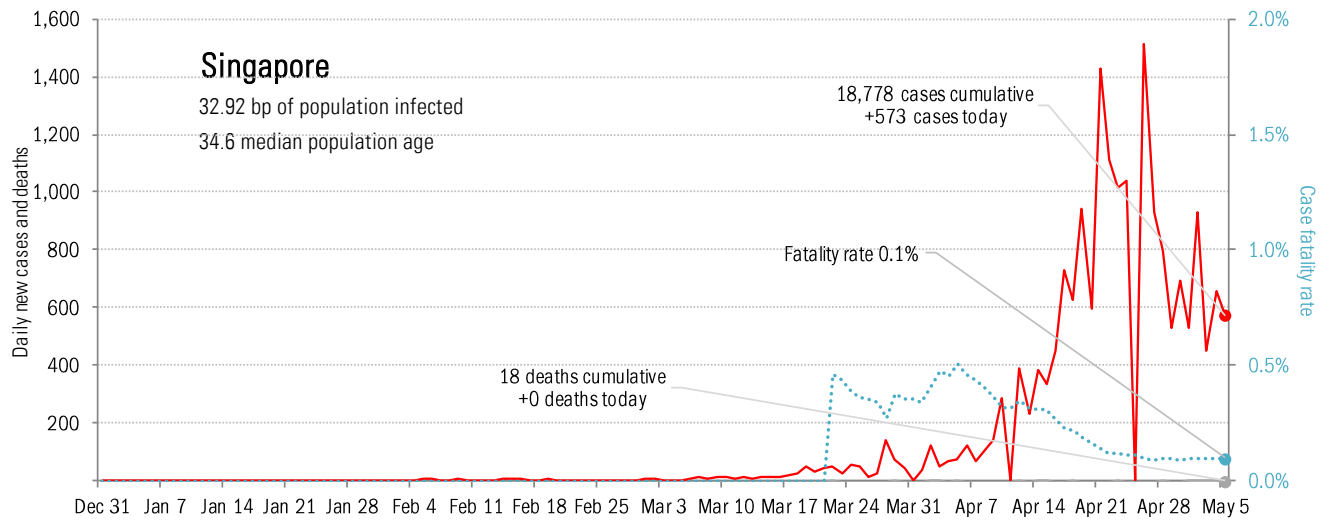
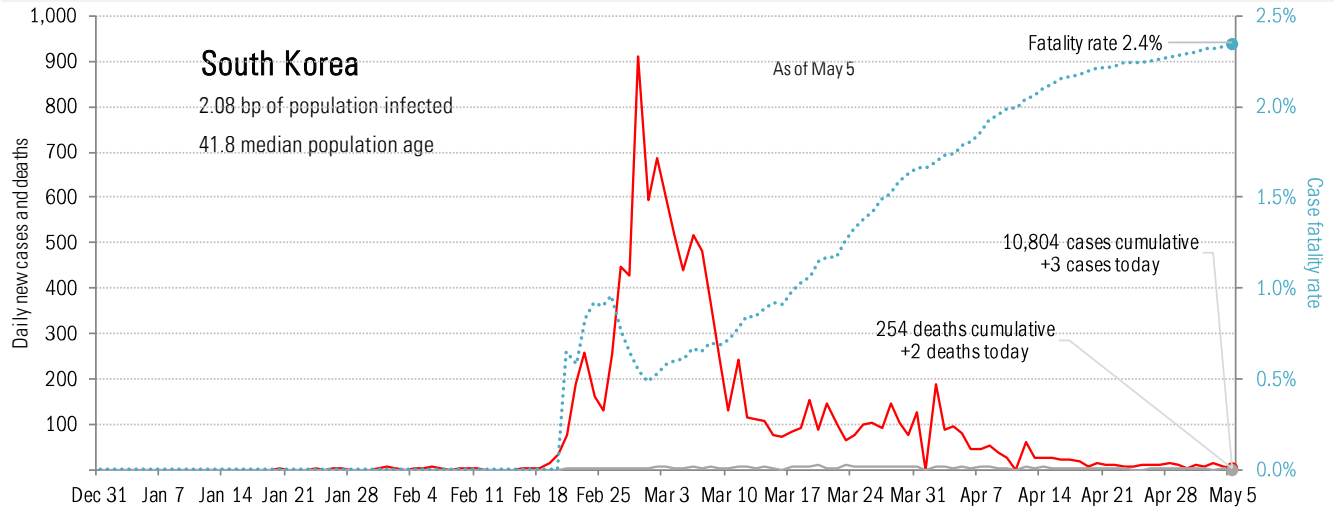
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



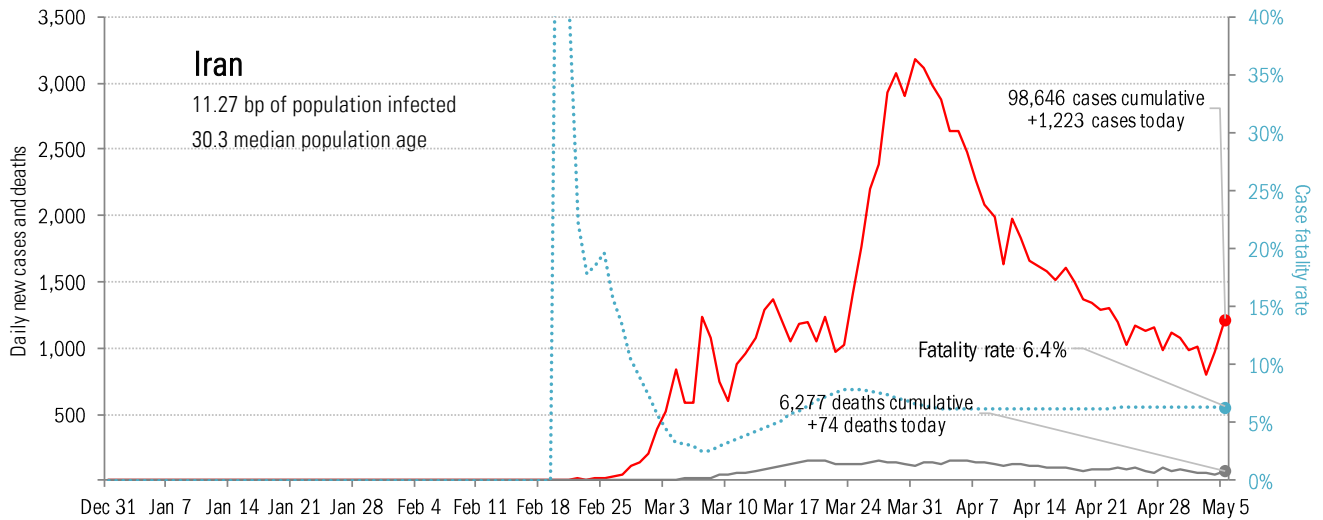
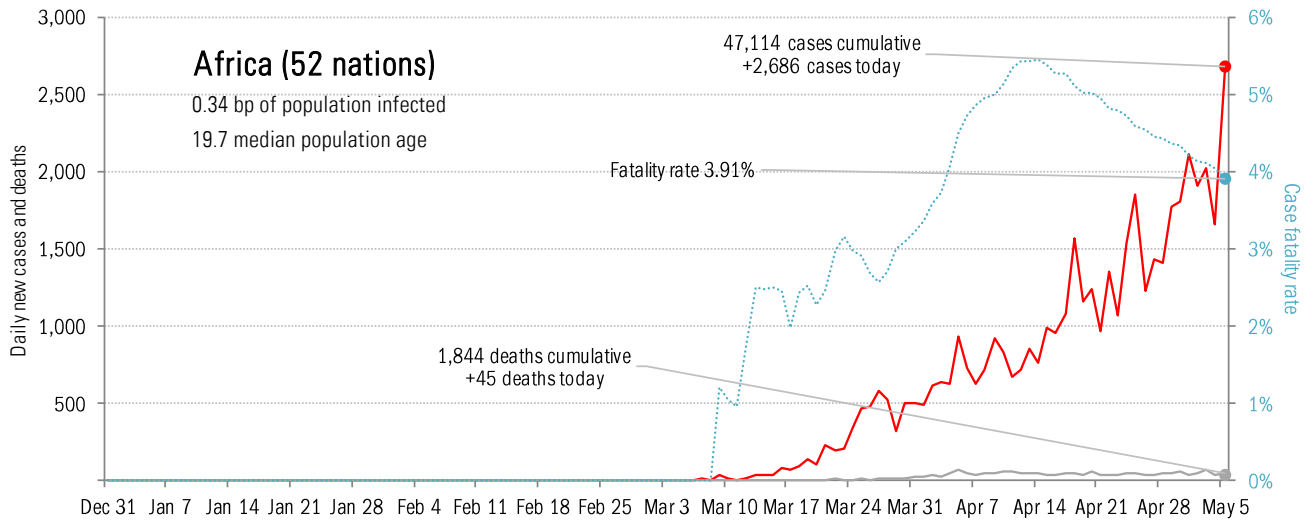
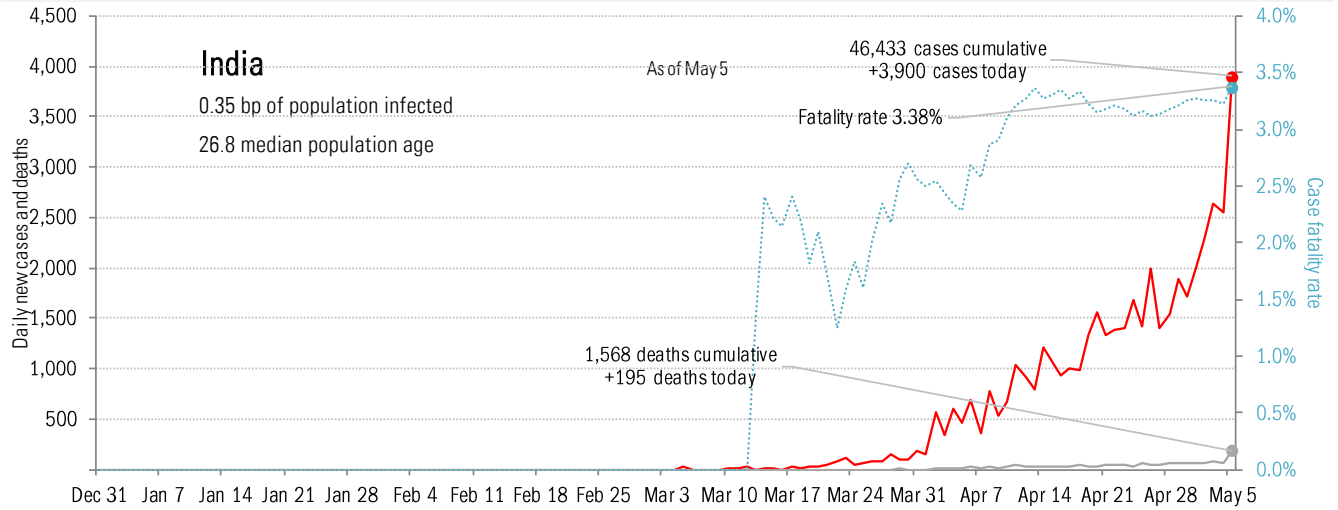
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

Impact in the fragile emerging world



Source: [ECDC](#), TrendMacro calculations