

Data Insights: Covid-2019 Monitor

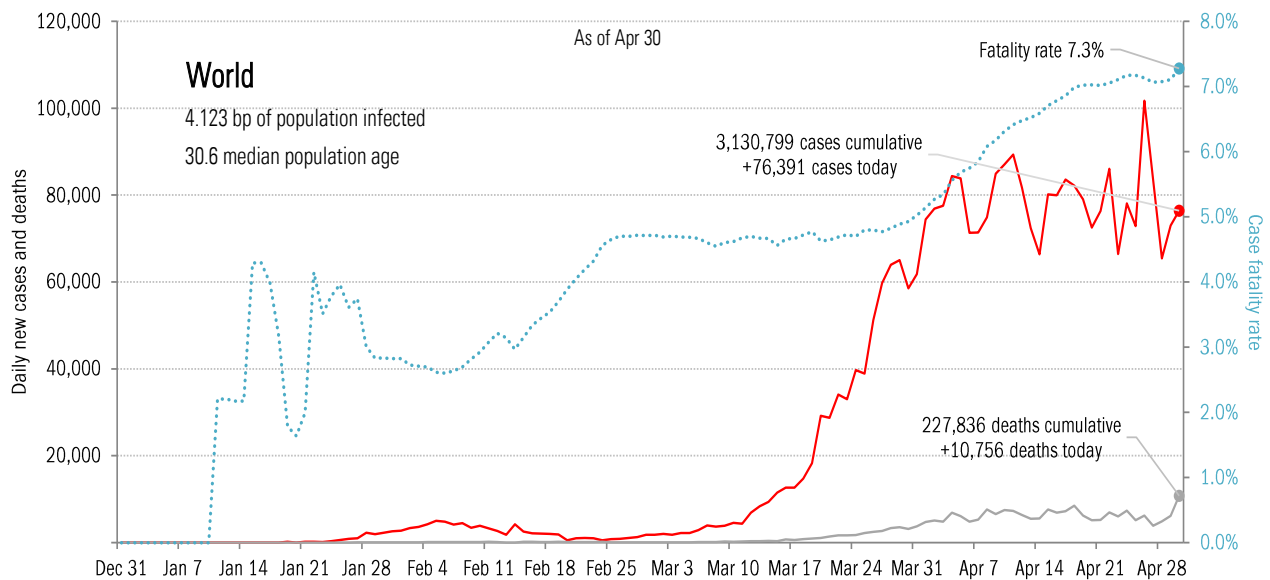
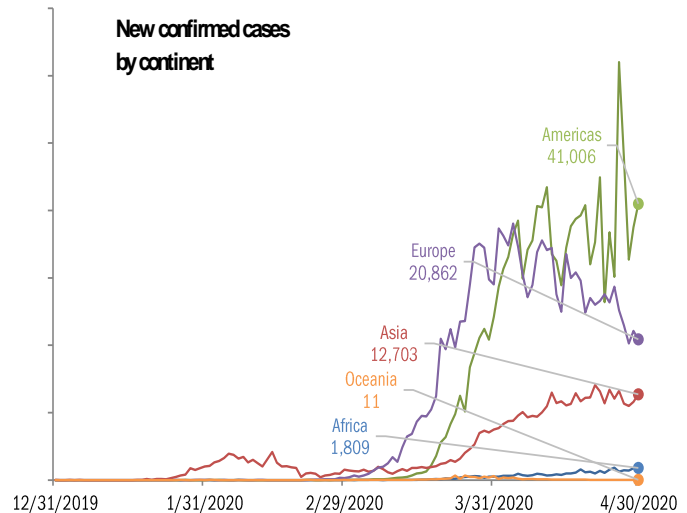
Thursday, April 30, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+27,326	UK	+4,419
Brazil	+6,276	US	+2,611
Russia	+5,841	Turkey	+809
UK	+4,076	Brazil	+449
Turkey	+2,936	France	+427
Peru	+2,741	Italy	+323
Italy	+2,086	Germany	+173
India	+1,718	Belgium	+170
France	+1,607	Mexico	+163
Canada	+1,572	Netherlands	+145
+56,179		+9,689	
World	+76,391	World	+10,756
Top ten	74%	Top ten	90%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

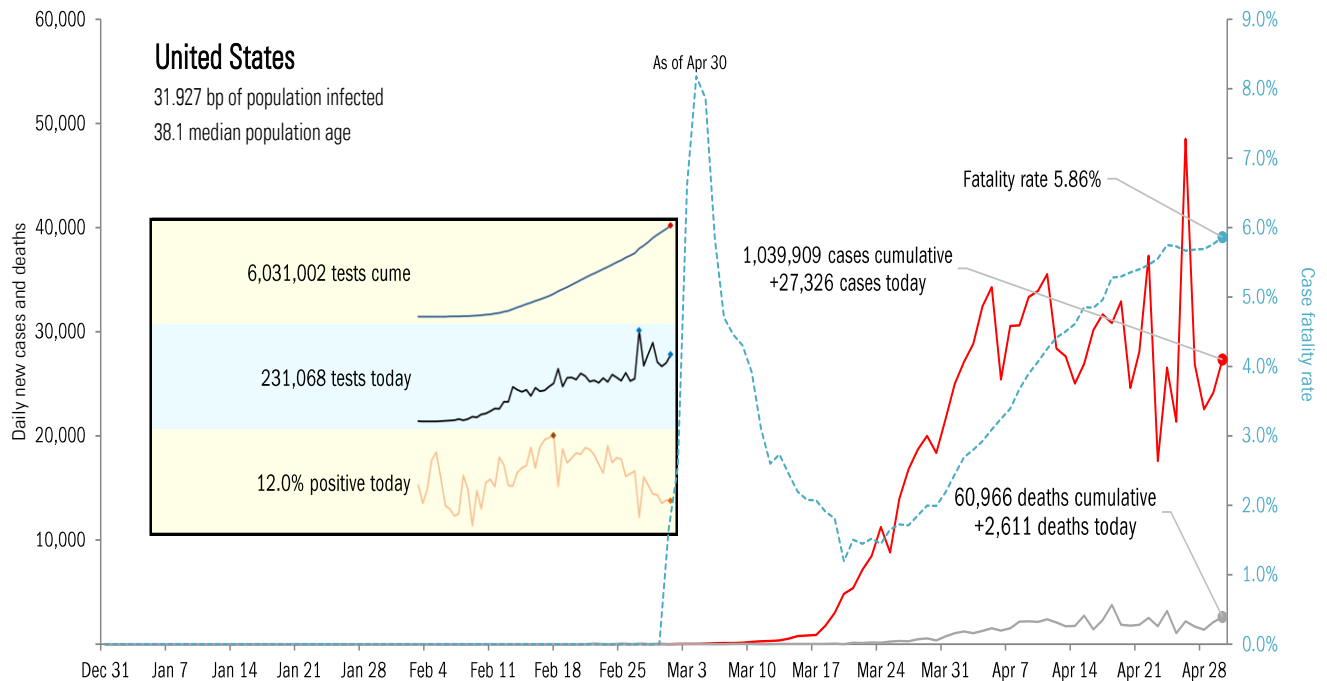
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
NY	+4,585	PA	+479	NY	+1,079	NY	299,691	NY	18,015	NY	65,397
NJ	+2,408	NY	+377	AR	+389	NJ	116,264	NJ	6,770	MA	5,758
IL	+2,253	NJ	+328	FL	+358	MA	60,265	MI	3,670	FL	5,624
MA	+1,963	MA	+252	MA	+243	IL	50,355	MA	3,405	GA	5,056
CA	+1,469	IN	+164	GA	+242	CA	46,500	IL	2,215	MD	4,402
CH	+1,175	CH	+138	VA	+186	PA	44,366	PA	2,195	VA	3,608
VA	+1,167	MI	+103	MD	+134	MI	40,399	CT	2,168	OH	3,421
MI	+1,137	IL	+90	CO	+125	FL	33,193	CA	1,887	CO	2,610
PA	+1,102	FL	+86	TN	+119	LA	27,660	LA	1,845	WI	1,489
GA	+957	CT	+79	OH	+81	TX	27,054	FL	1,240	KY	1,331
+18,216		+2,096		+2,956		745,747		43,410		98,696	
All states	+27,565	All states	+2,700	All states	+3,382	All states	1,033,157	All states	55,225	All states	109,690
Top ten	66%	Top ten	78%	Top ten	87%	Top ten	72%	Top ten	79%	Top ten	90%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CT	-588	LA	-87	NM	-41	MS	+3,413
FL	-361	NJ	-70	MA	-35	NY	+1,565
DE	-333	MI	-57	MD	-33	TX	+721
NE	-314	IL	-52	CH	-27	SC	+422
NJ	-260	NC	-24	MN	-13	KS	+266



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

Recommended reading

[An Experimental Ultraviolet Light Treatment for Covid-19 Takes Political Heat](#)

Josh Disbrow
Wall Street Journal
April 27, 2020

[Coronavirus Budget Projections: Escalating Deficits and Debt](#)

Brian Reidl
Manhattan Institute
April 29, 2020

[Recovered virus patients retest positive due to 'dead' virus fragments: experts](#)

Yonhap News Agency
April 29, 2020

[Characteristics of SARS-CoV-2 patients dying in Italy](#)

Luigi Palmieri et al.
Istituto Superiore di Sanita
April 23, 2020

[Sweden publishes new statistics on coronavirus death toll](#)

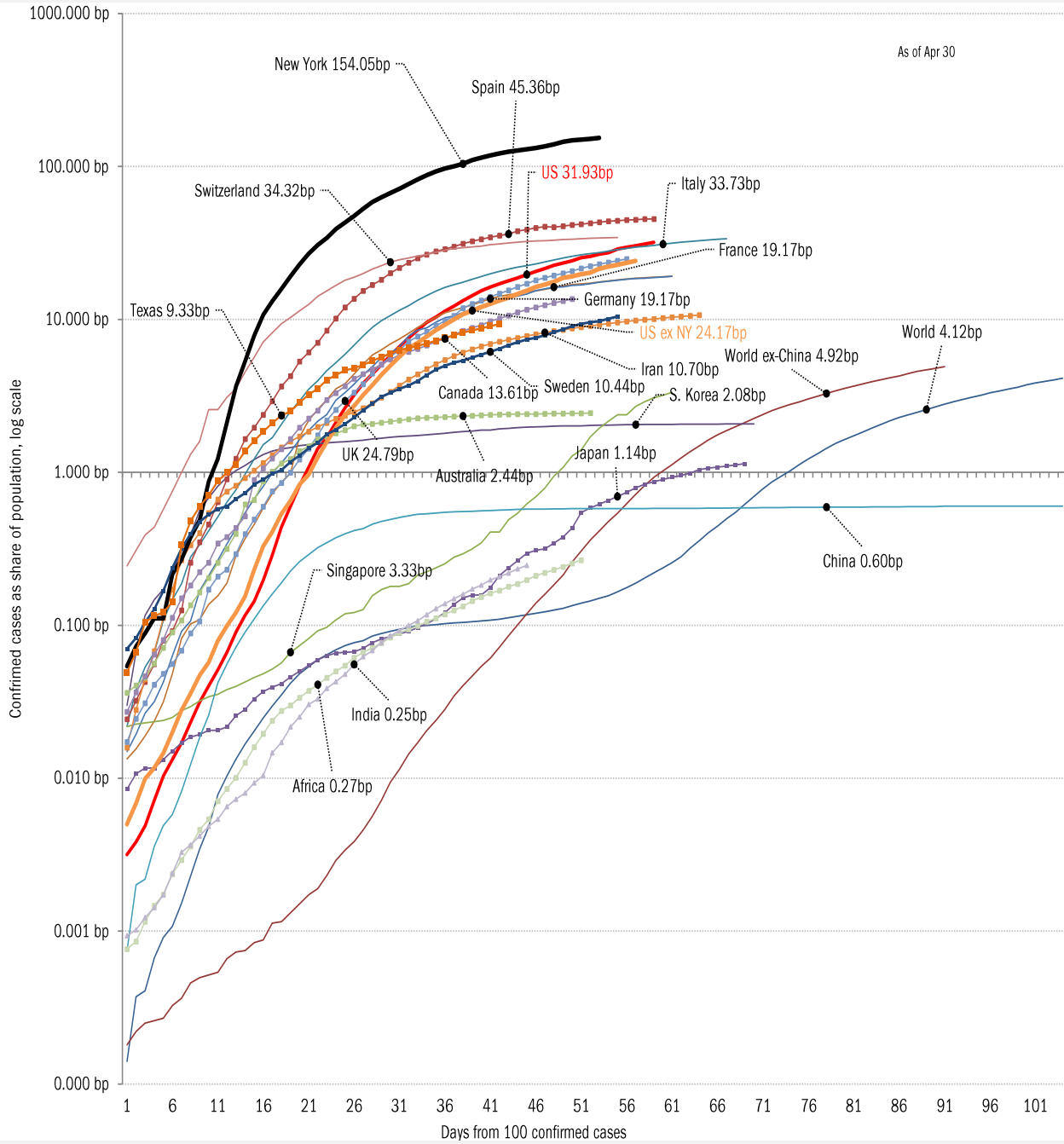
The Local SE
April 27, 2020

Meme of the day



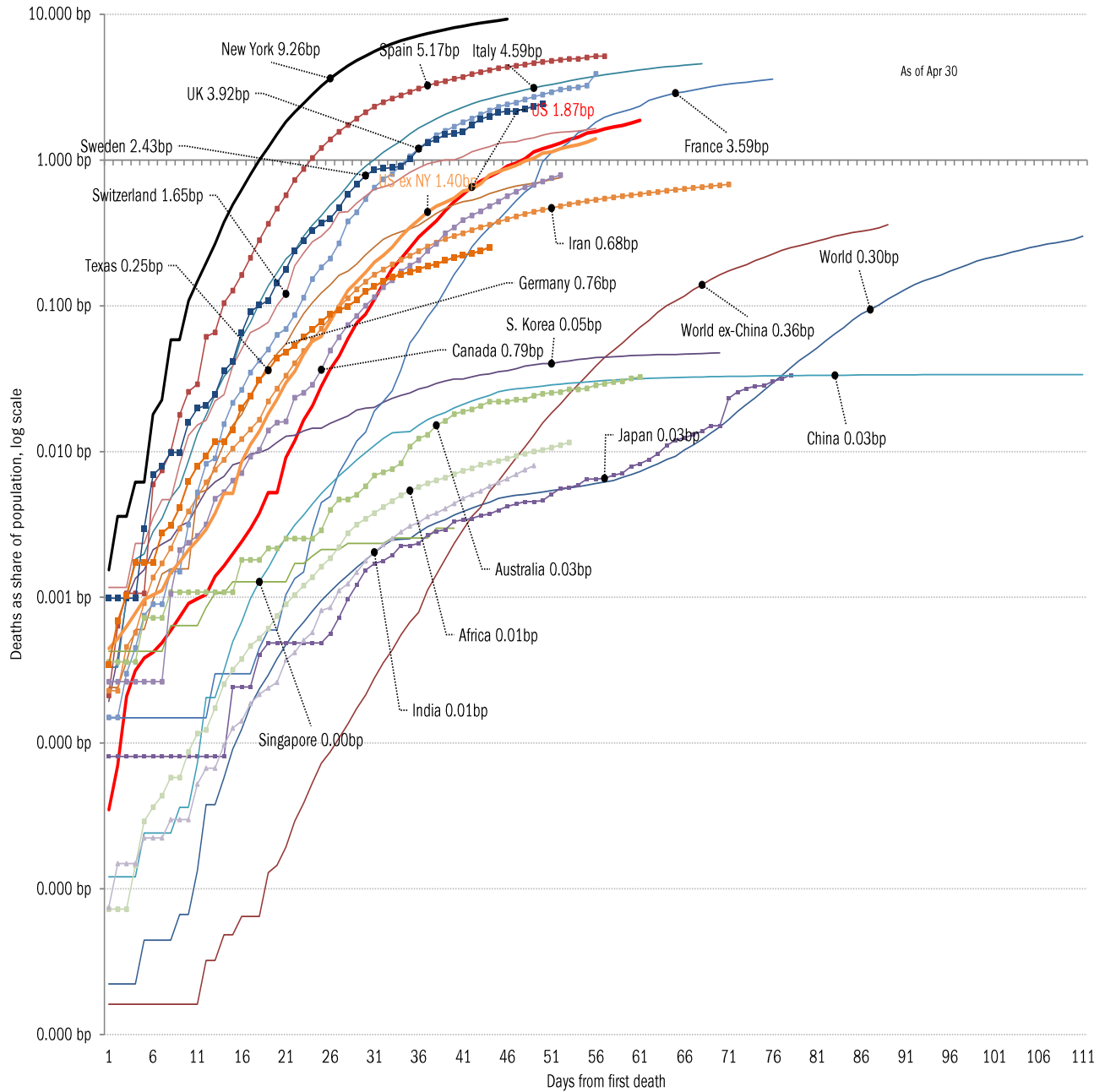
Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"](#)

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



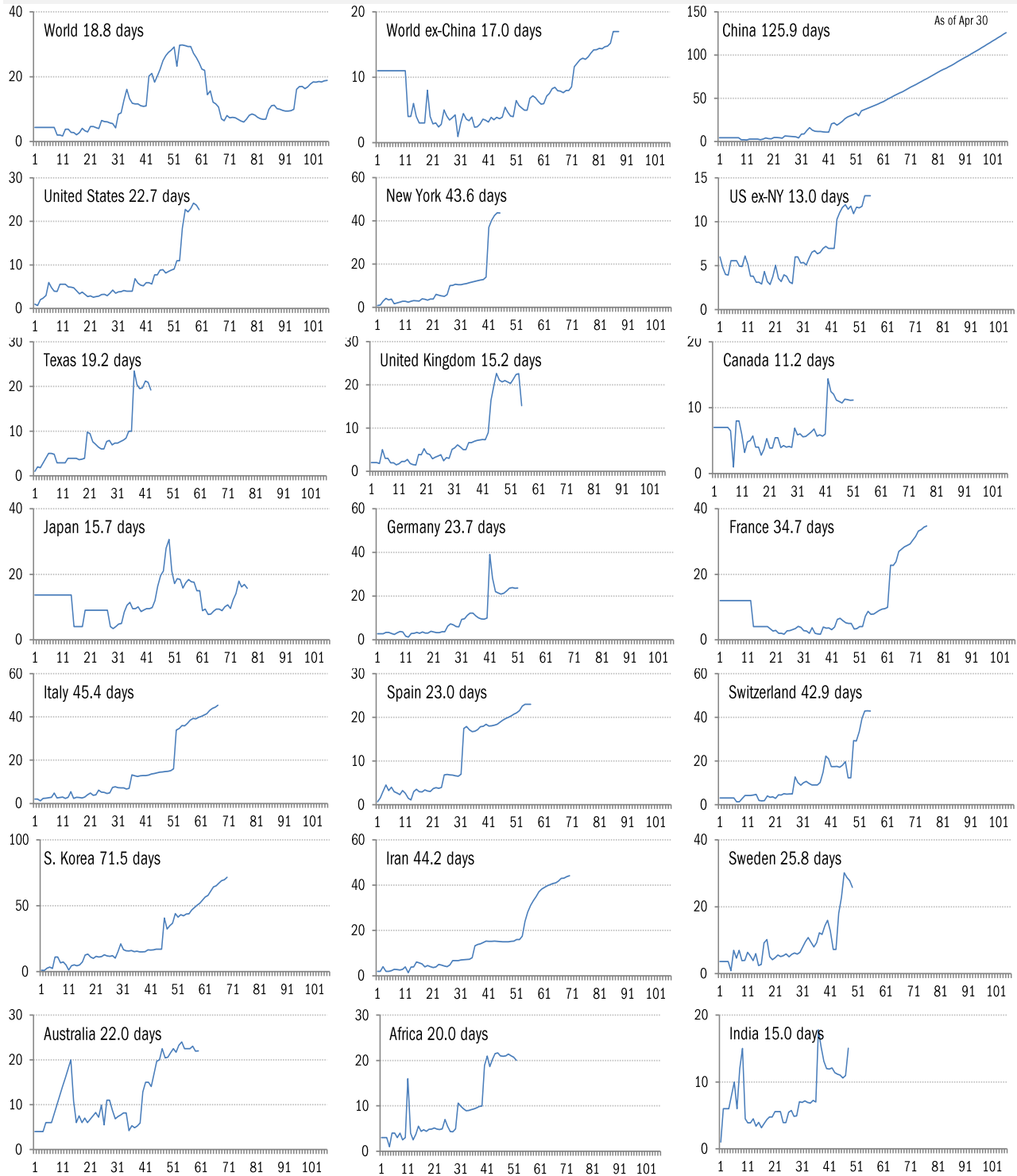
Source: [ECDC](#), TrendMacro calculations

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

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

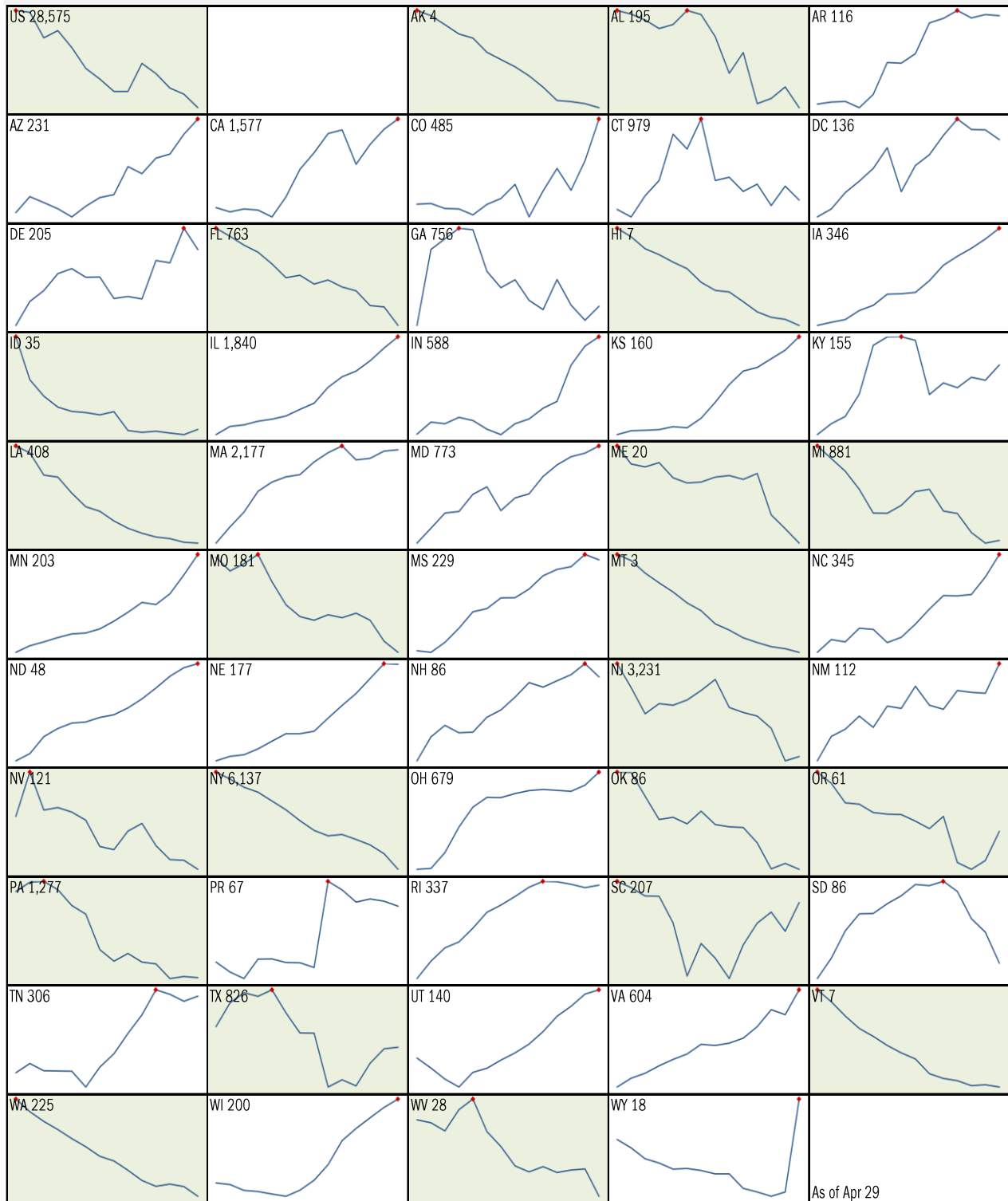
Progress means seeing the line move up and to the right...

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



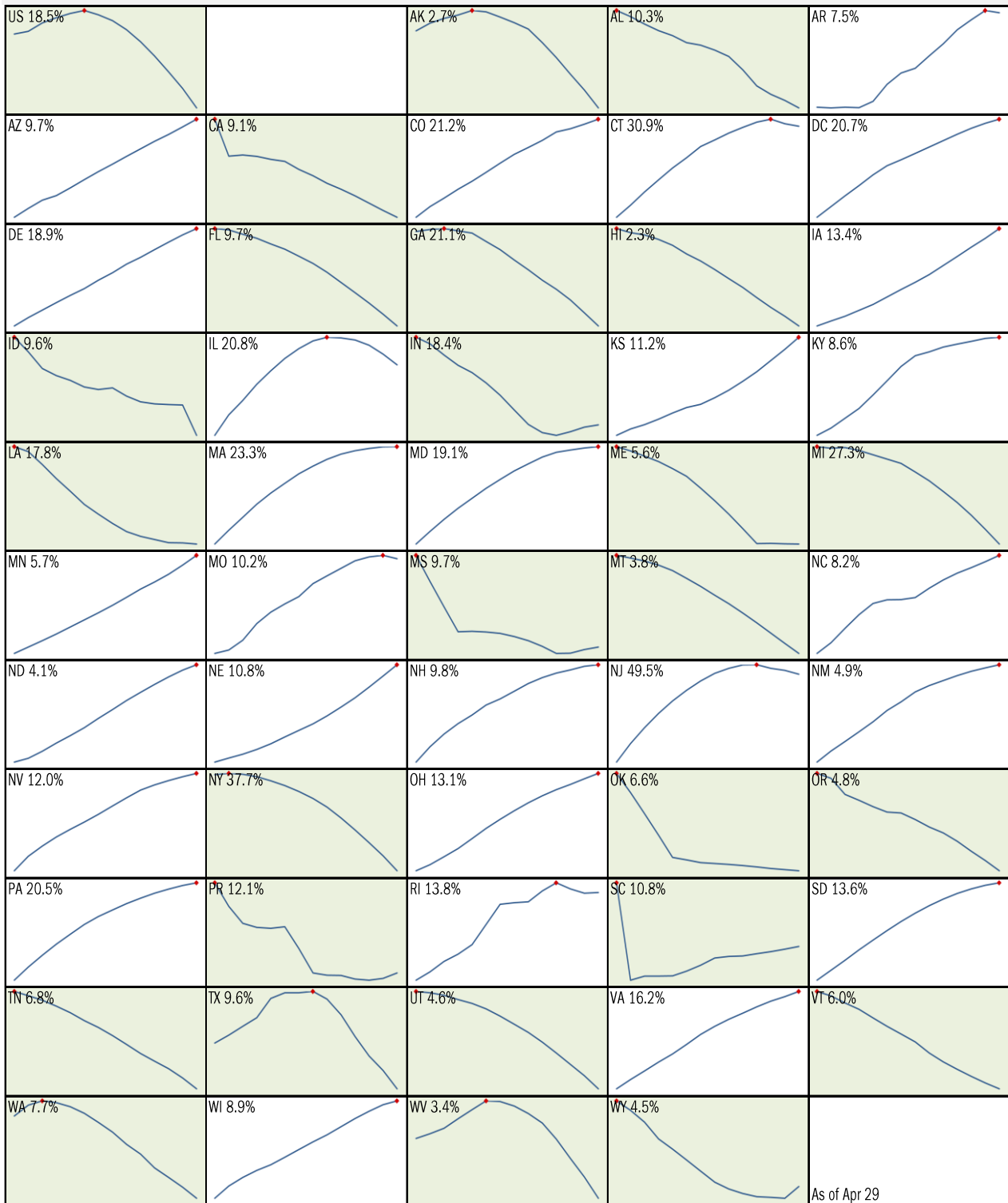
Source: [ECDC](#), TrendMacro calculations

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



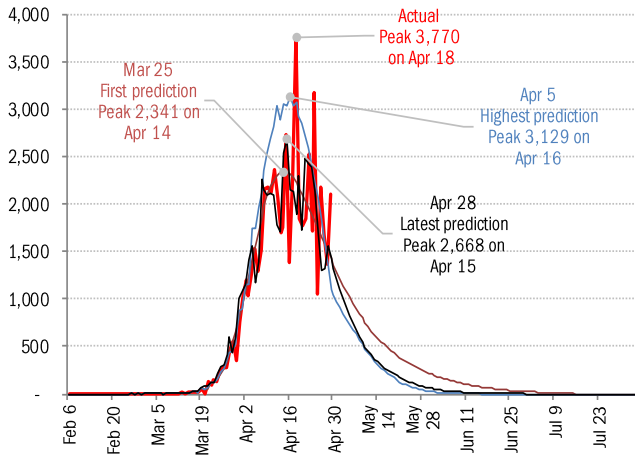
Source: [Covid Tracking Project](#), TrendMacro calculations

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

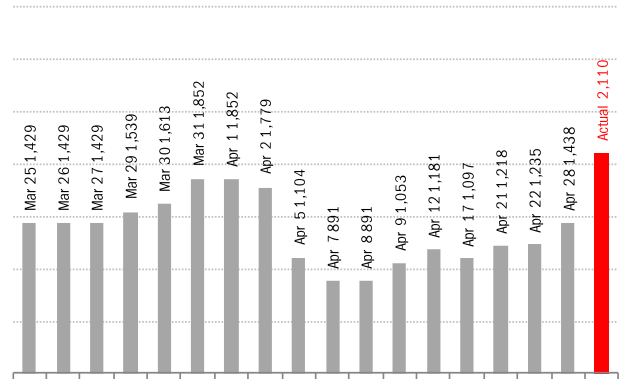
New daily fatalities

As of Apr 29

Actual versus first, highest and latest model mean predictions

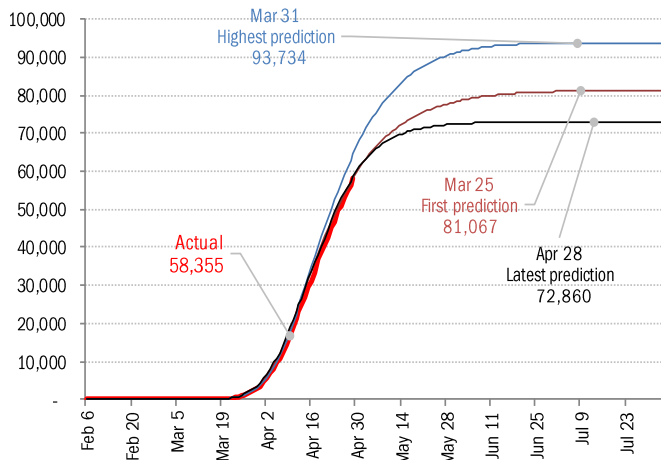


For this day, versus all model mean predictions

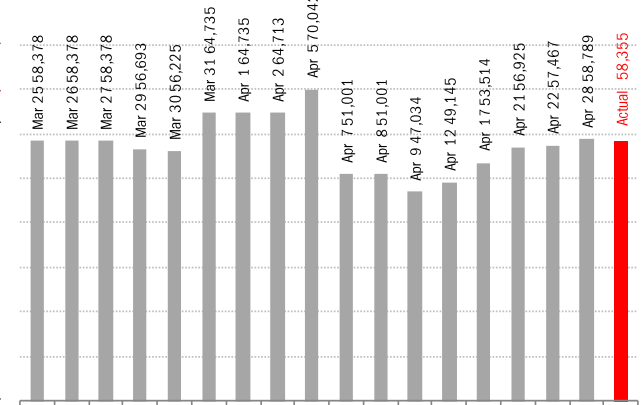


Cumulative fatalities

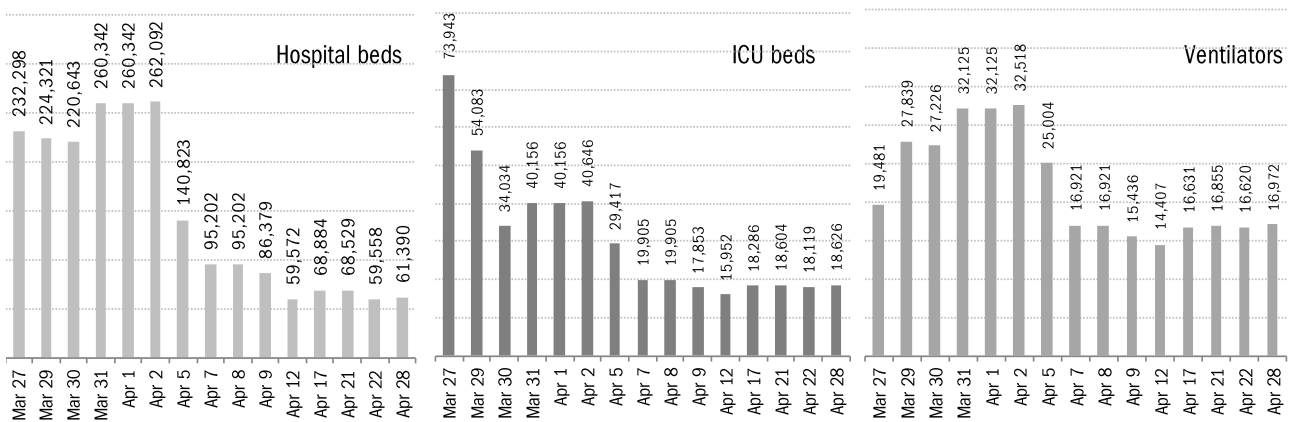
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

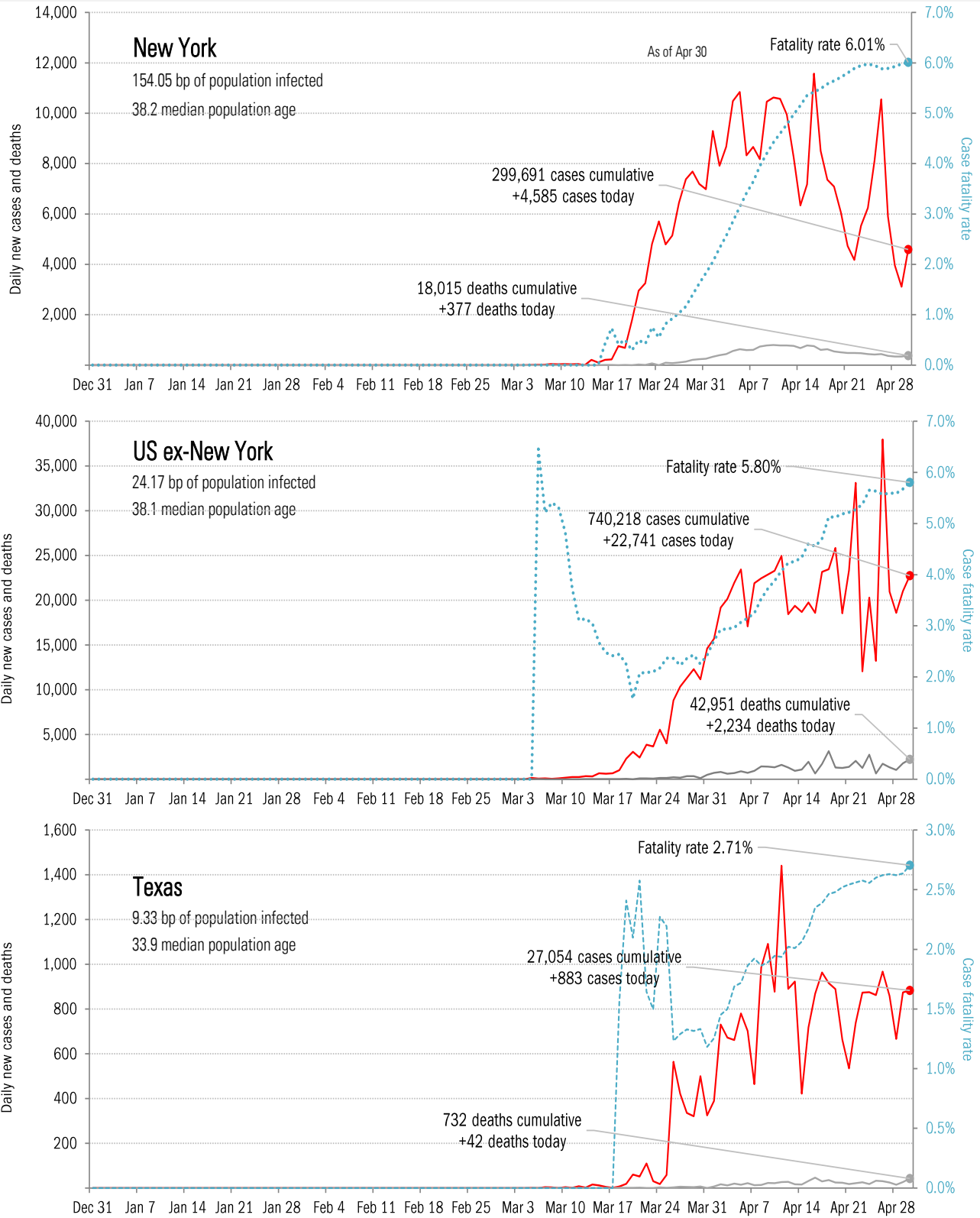


Healthcare system stress, peak estimated at each model revision



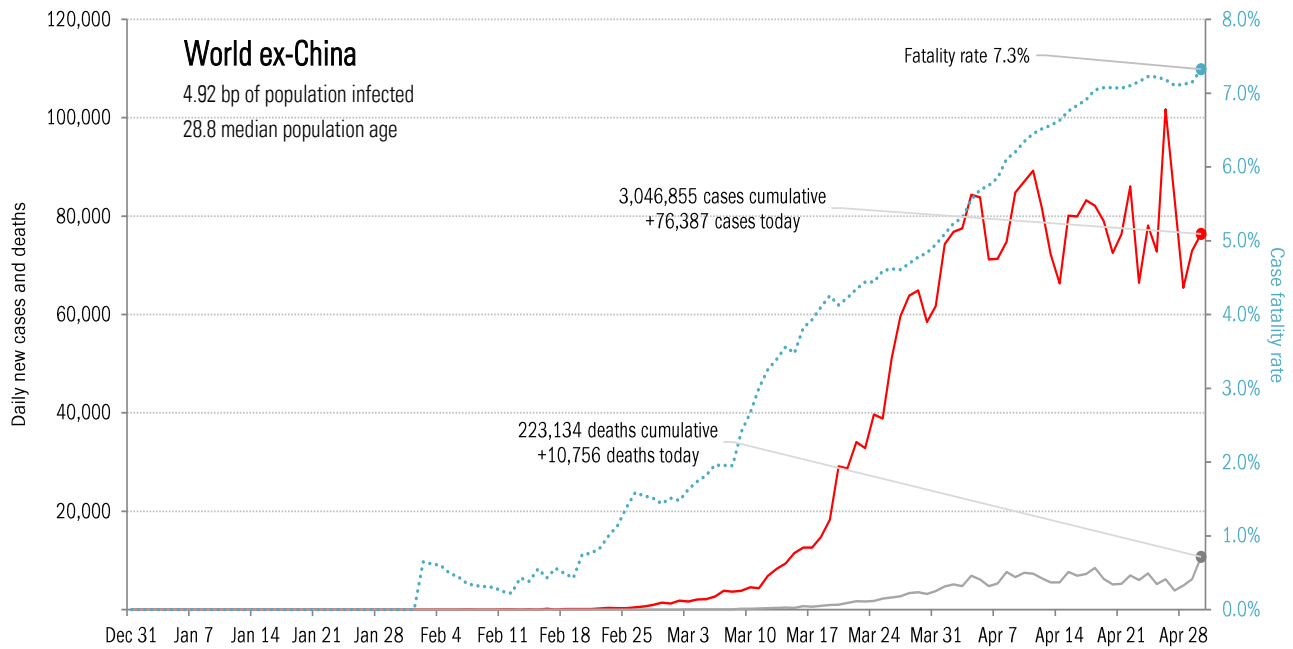
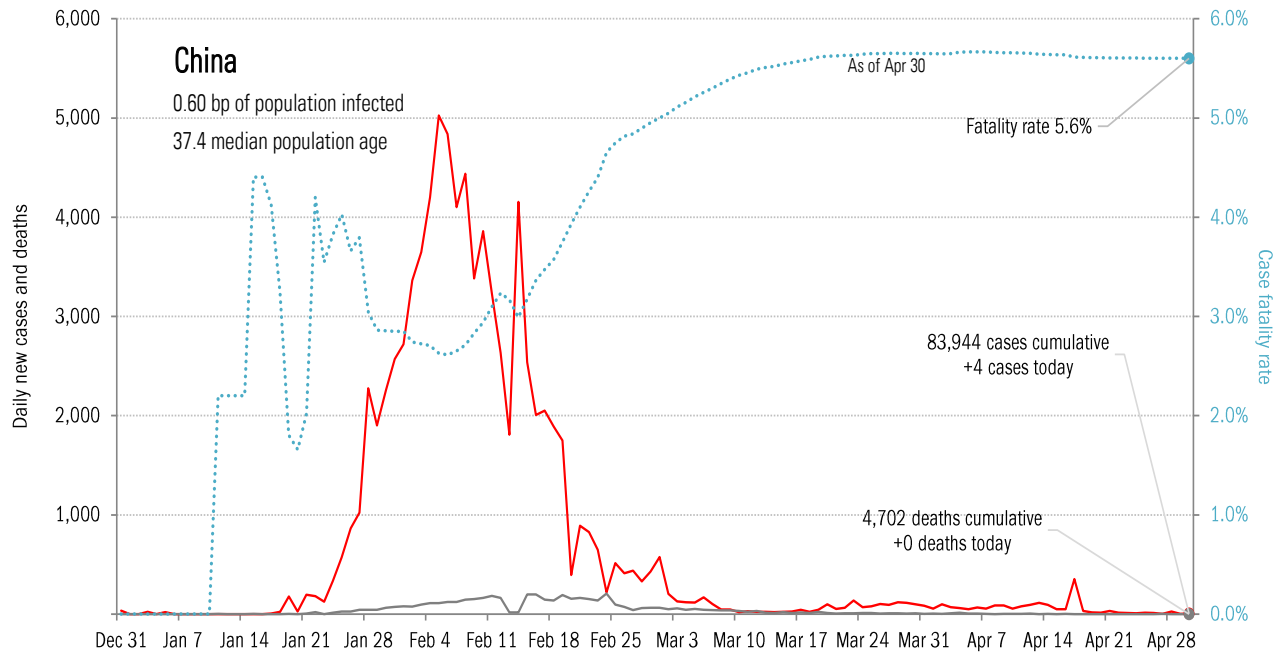
Source: [ECDC](#), TrendMacro calculations

From Ground Zero to the Rio Grande



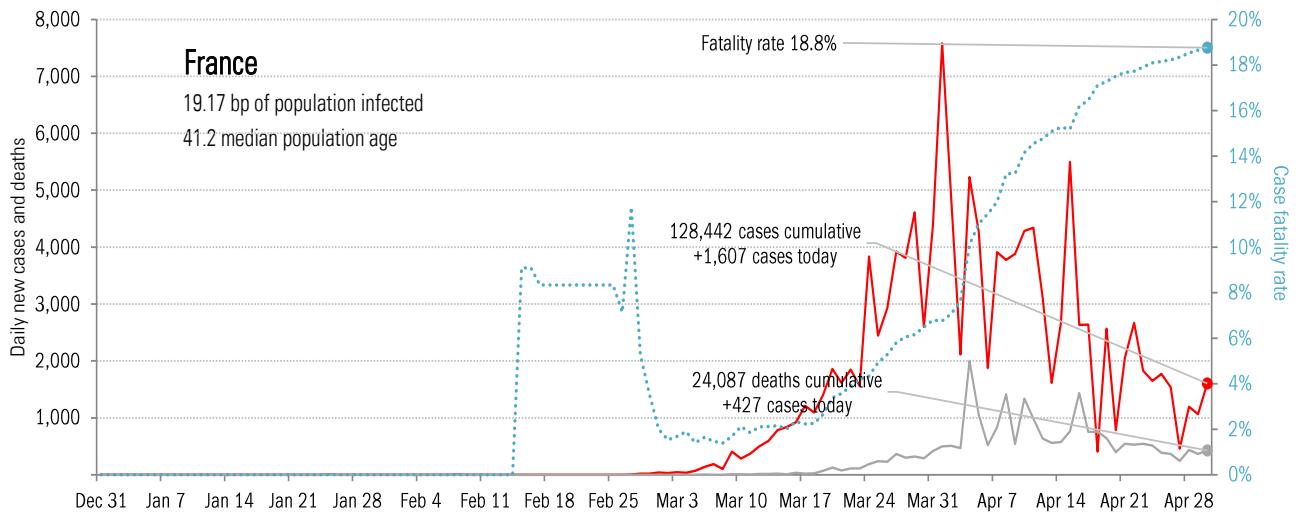
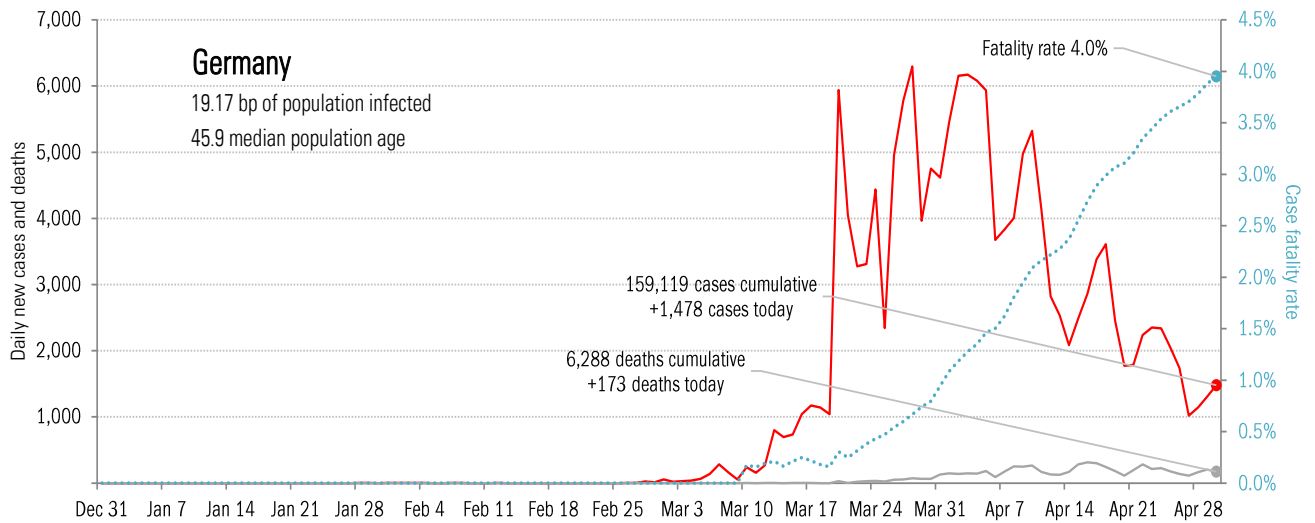
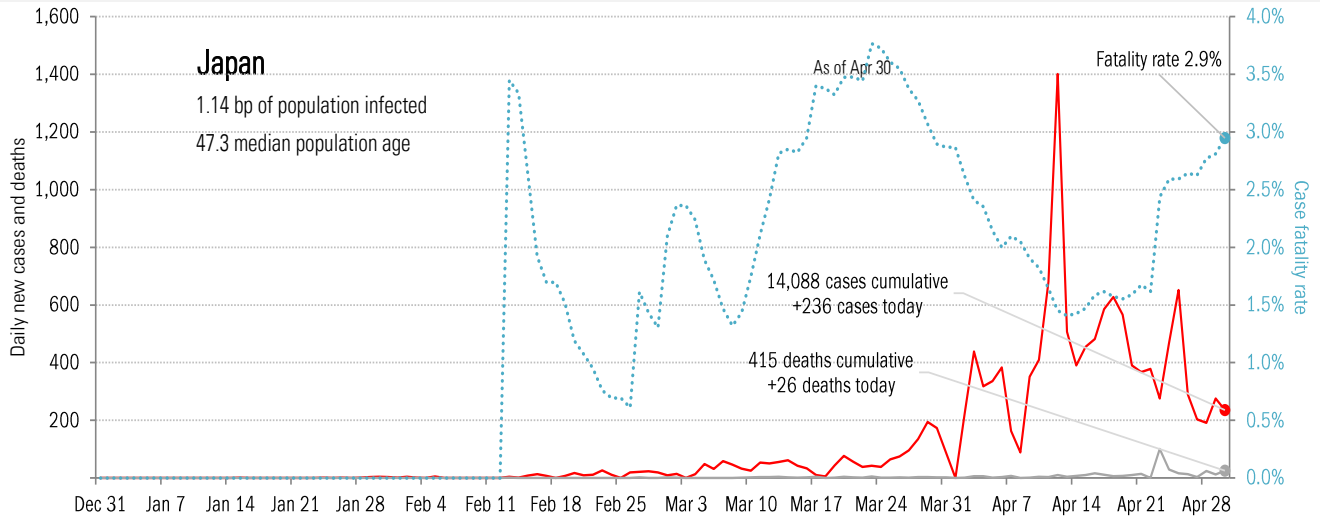
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



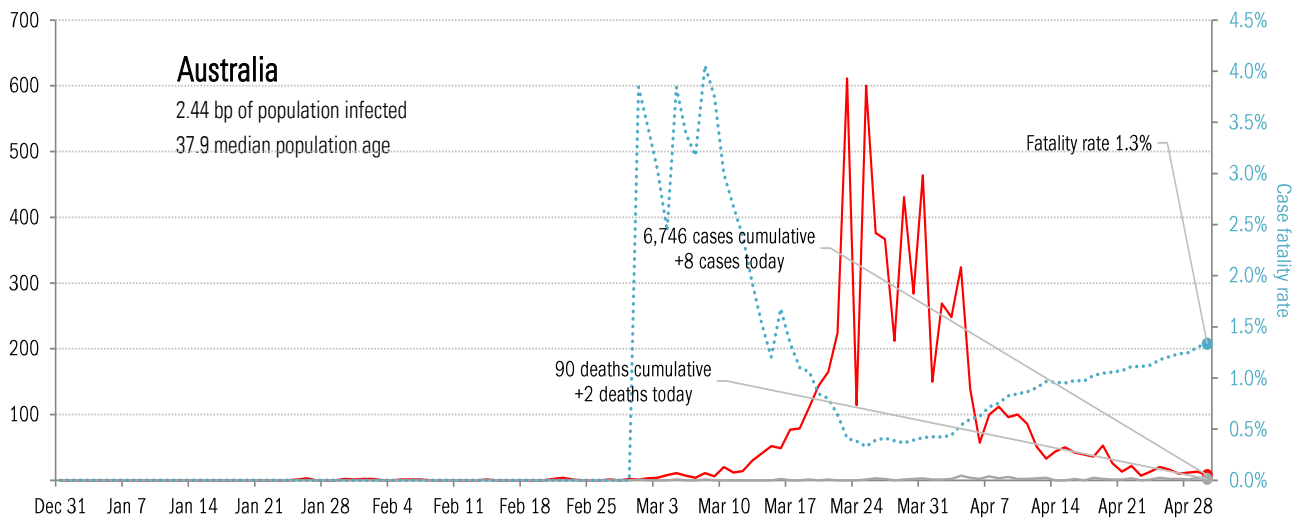
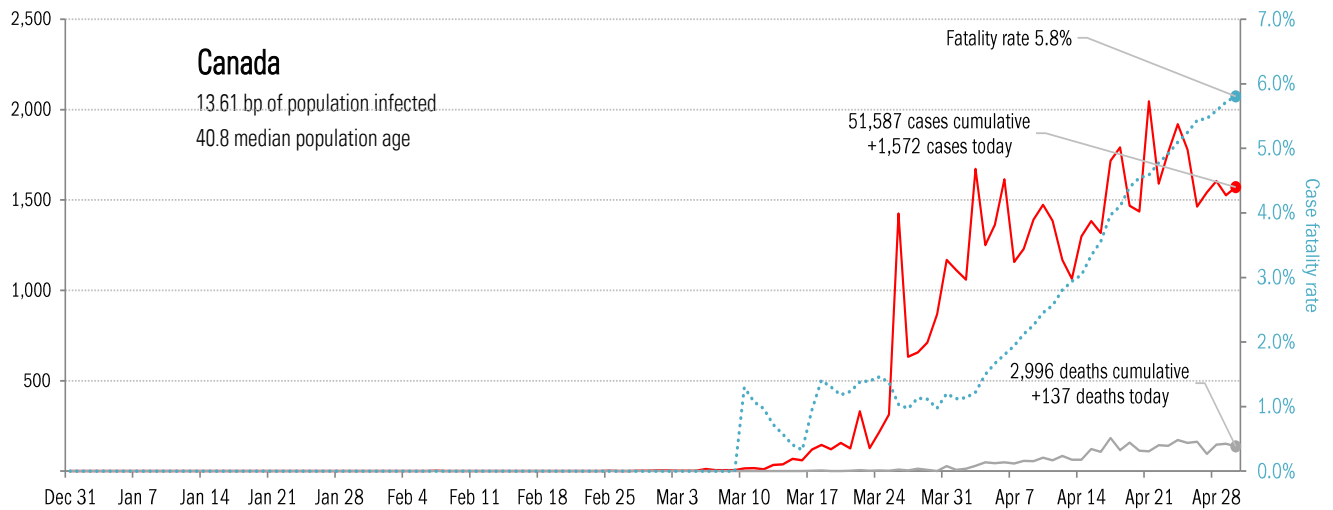
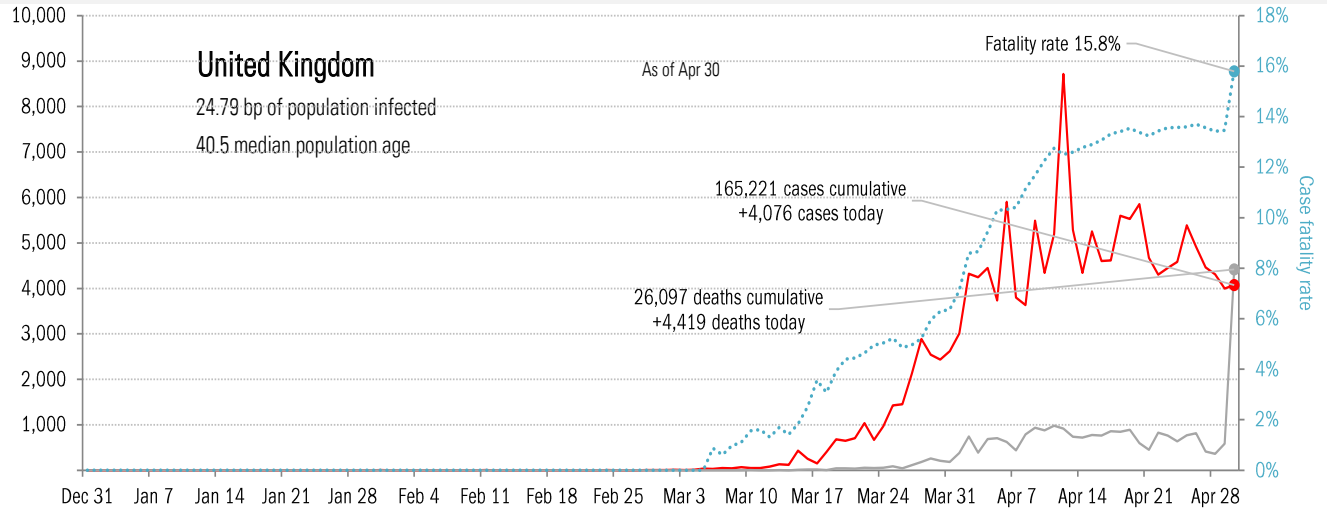
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



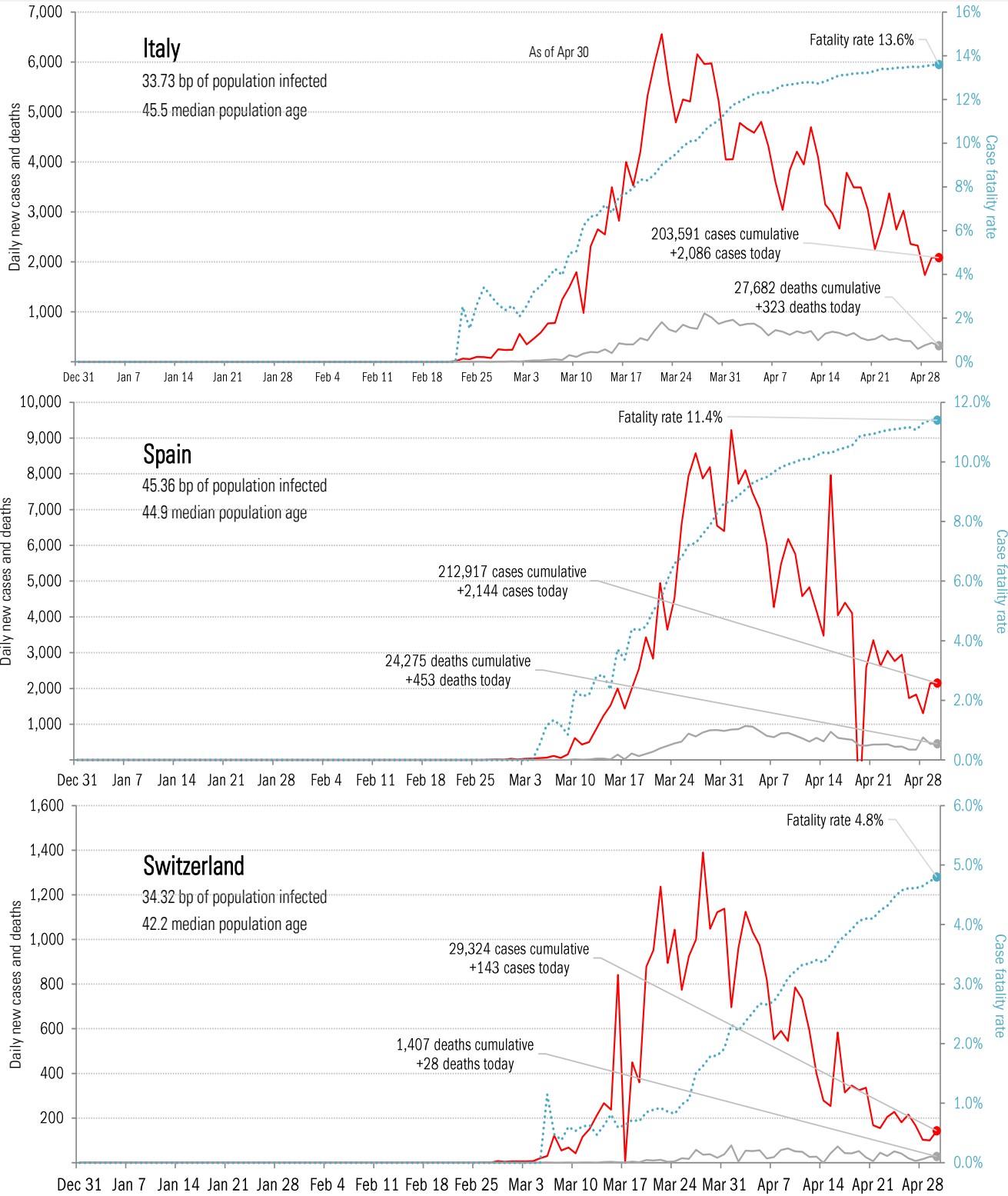
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



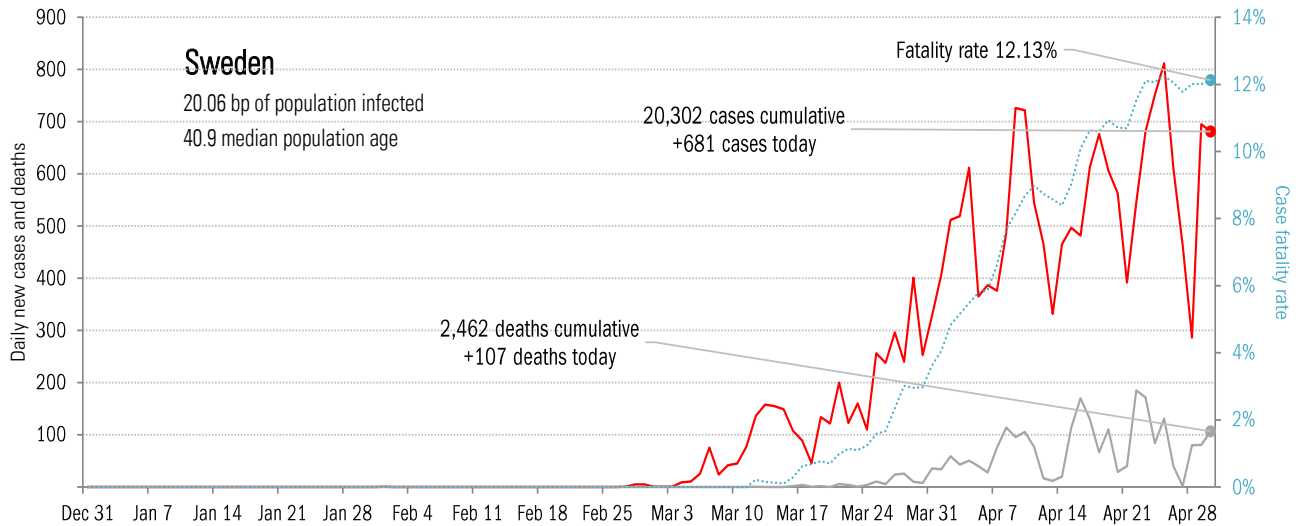
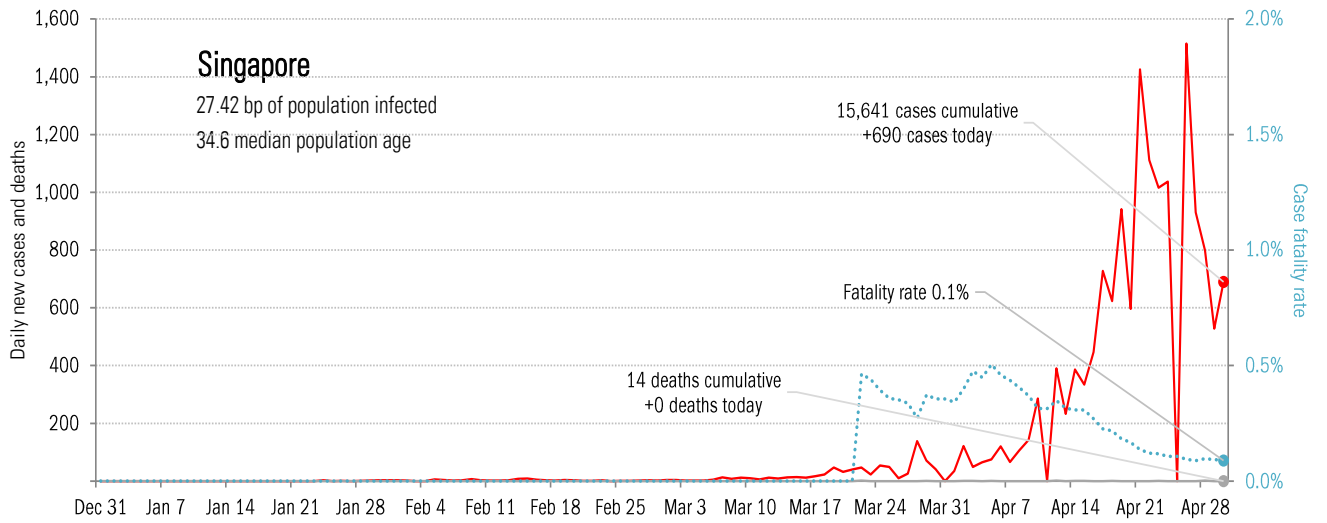
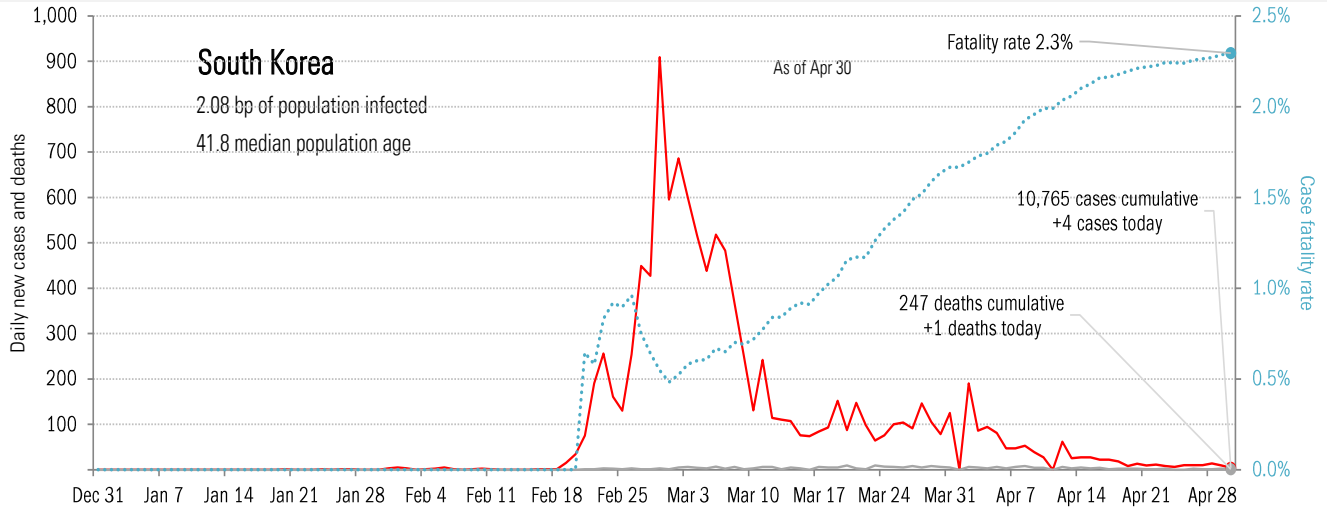
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



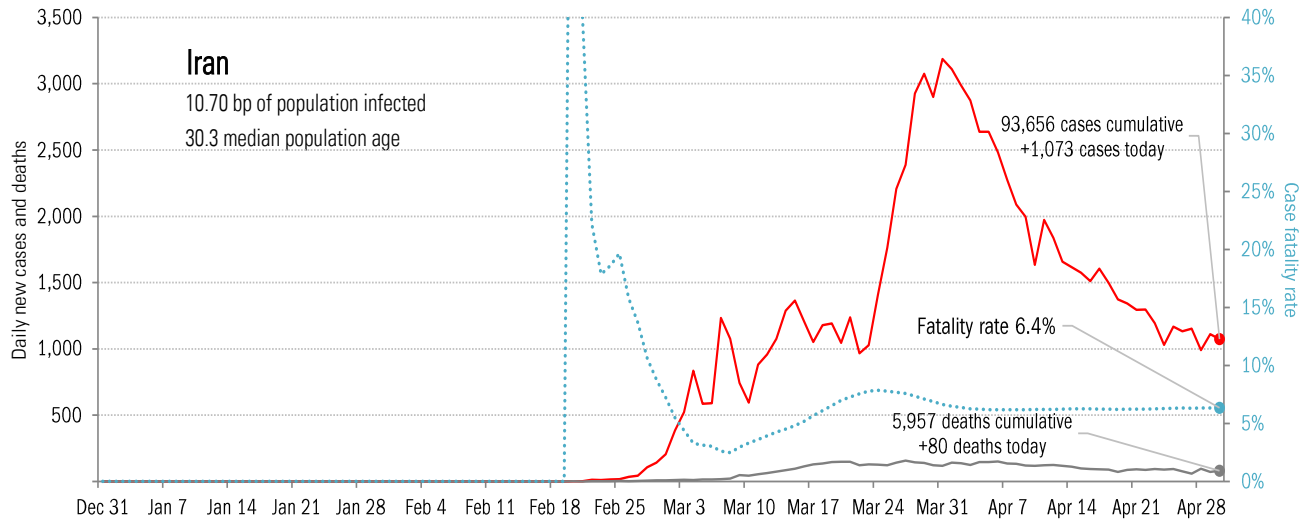
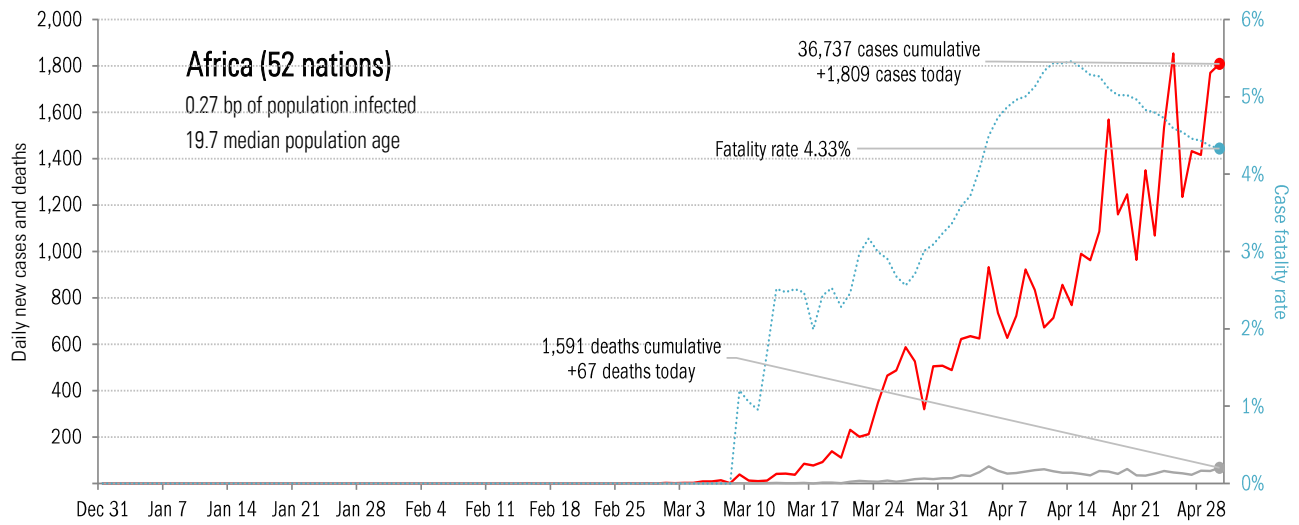
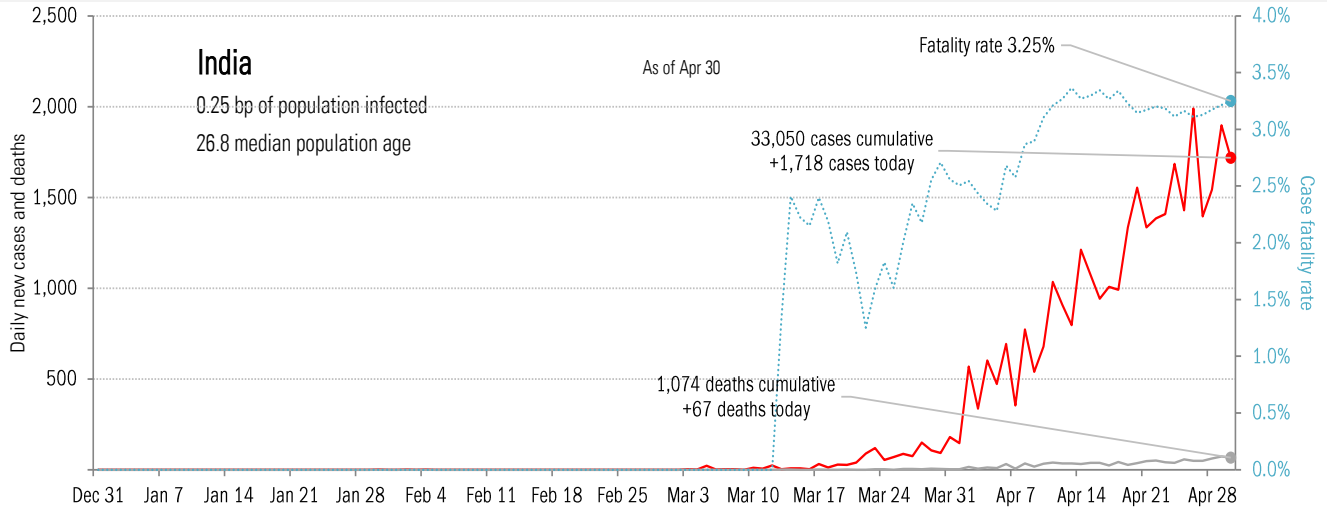
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

Impact in the fragile emerging world



Source: [ECDC](#), TrendMacro calculations