Trend Macrolytics, LLC
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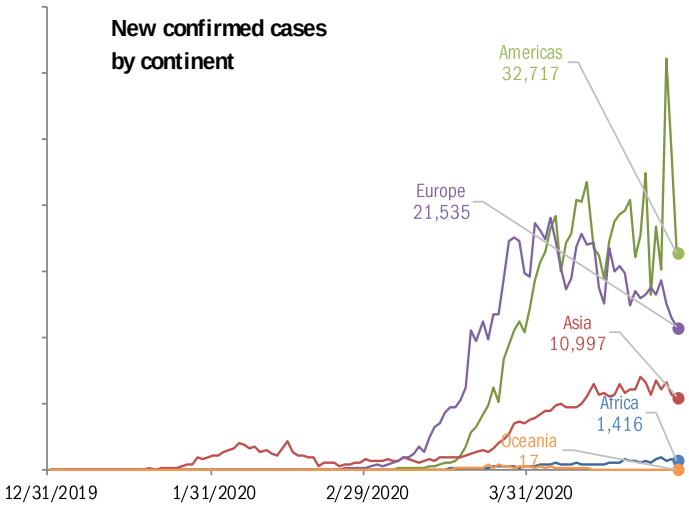
Data Insights: Covid-2019 Monitor

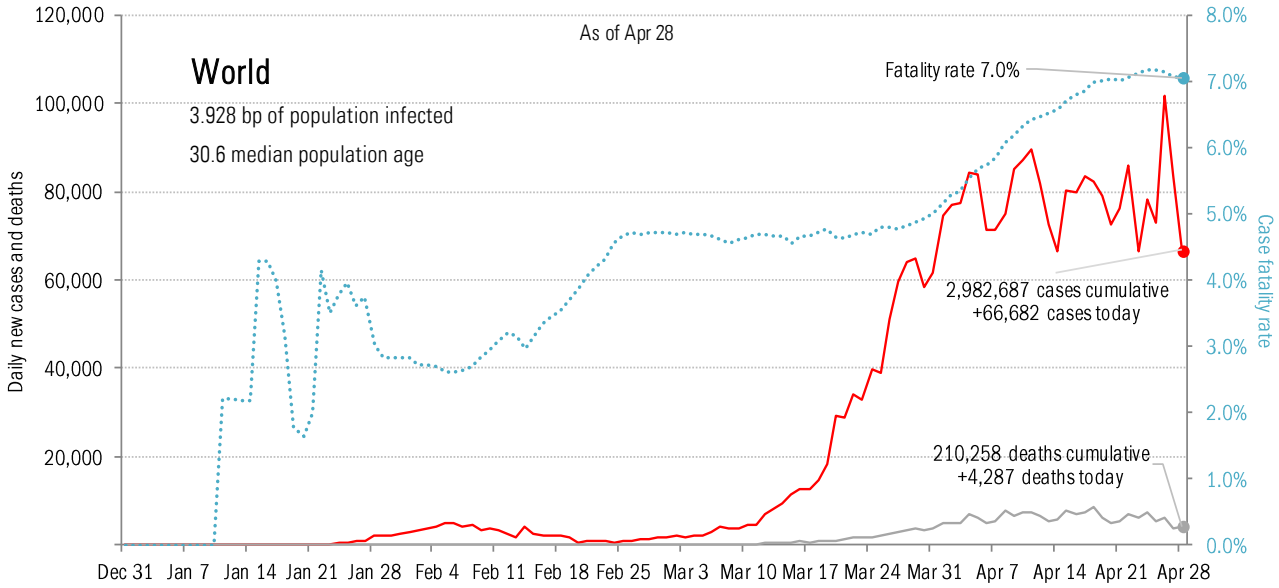
Tuesday, April 28, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+22,541	US	+1,369
Russia	+6,198	France	+437
Brazil	+4,613	UK	+360
UK	+4,309	Brazil	+338
France	+3,764	Italy	+333
Turkey	+2,131	Germany	+163
Italy	+1,739	Canada	+147
Canada	+1,605	Belgium	+113
India	+1,543	Iran	+96
Saudi_Arabia	+1,289	Turkey	+95
	+49,732		+3,451
World	+66,682	World	+4,287
Top ten	75%	Top ten	80%





Source: ECDC, TrendMacro calculations

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The US scorecard

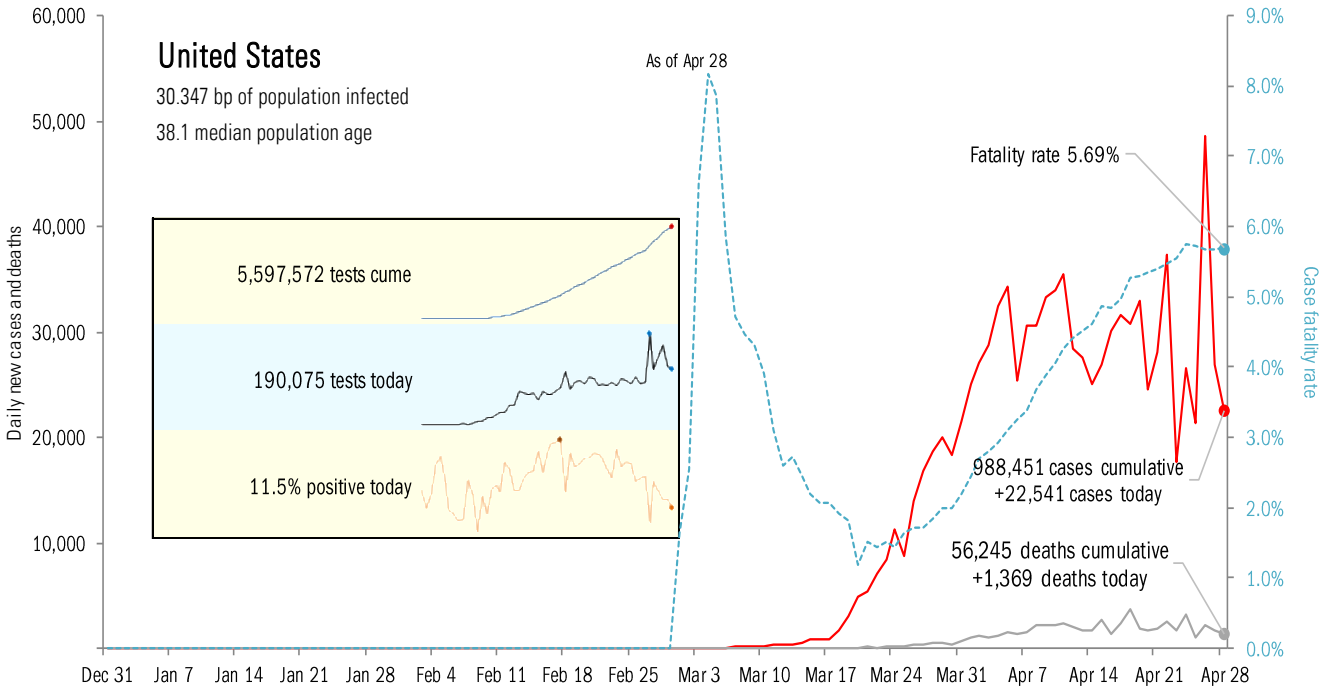
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
NY	+3,951	NY	+337	VA	+1,284	NY	291,996	NY	17,303	NY	57,103
NJ	+2,150	NJ	+106	GA	+322	NJ	111,188	NJ	6,044	MA	5,237
IL	+1,980	MA	+104	MD	+139	MA	56,462	MI	3,407	FL	5,211
MA	+1,524	MI	+92	MA	+133	IL	45,883	MA	3,003	GA	4,681
CA	+1,300	CT	+74	MS	+59	CA	43,464	CT	1,998	MD	4,101
VA	+1,047	GA	+59	FL	+56	PA	42,050	IL	1,983	VA	3,298
IN	+949	IL	+50	OH	+54	MI	38,210	CA	1,755	OH	3,232
MD	+906	PA	+47	MN	+32	FL	32,138	LA	1,670	CO	2,438
PA	+885	CA	+45	CO	+28	LA	27,068	PA	1,597	WI	1,415
TX	+666	MD	+35	AL	+27	TX	25,297	FL	1,101	KY	1,274
	+15,358		+949		+2,134		713,756		39,861		87,990
All states	+21,876	All states	+1,163	All states	+1,972	All states	981,134	All states	50,327	All states	97,782
Top ten	70%	Top ten	82%	Top ten	108%	Top ten	73%	Top ten	79%	Top ten	90%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NY	-1,951	WA	-62	AR	-291	LA	+2,376
NJ	-1,365	NY	-30	KY	-115	TX	+407
CT	-687	LA	-26	RI	-88	TN	+193
DE	-330	CA	-14	MD	-63	IA	+121
CO	-239	MN	-14	FL	-54	MD	+86



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

Recommended reading

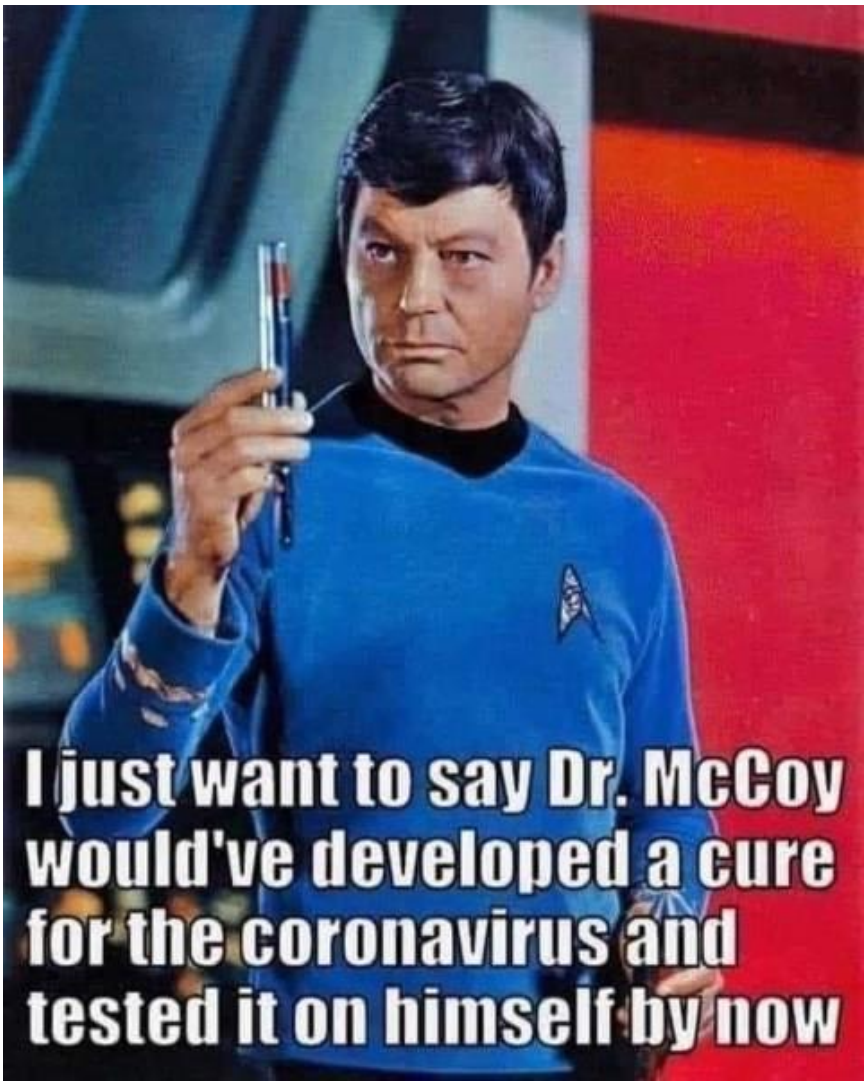
Majority in new poll say it's time to reopen economy for all who are not sick or vulnerable
Carrie Sheffield
Just the News
April 27, 2020

What Germany got right in the fight against coronavirus
Justin Huggler
The Telegraph
April 22, 2020

Why Some People Get Sicker Than Others
James Hamblin
The Atlantic
April 21, 2020

NYC tailor defies state order: 'I'm opening my doors come hell or high water'
Doree Lewak
New York Post
April 26, 2020

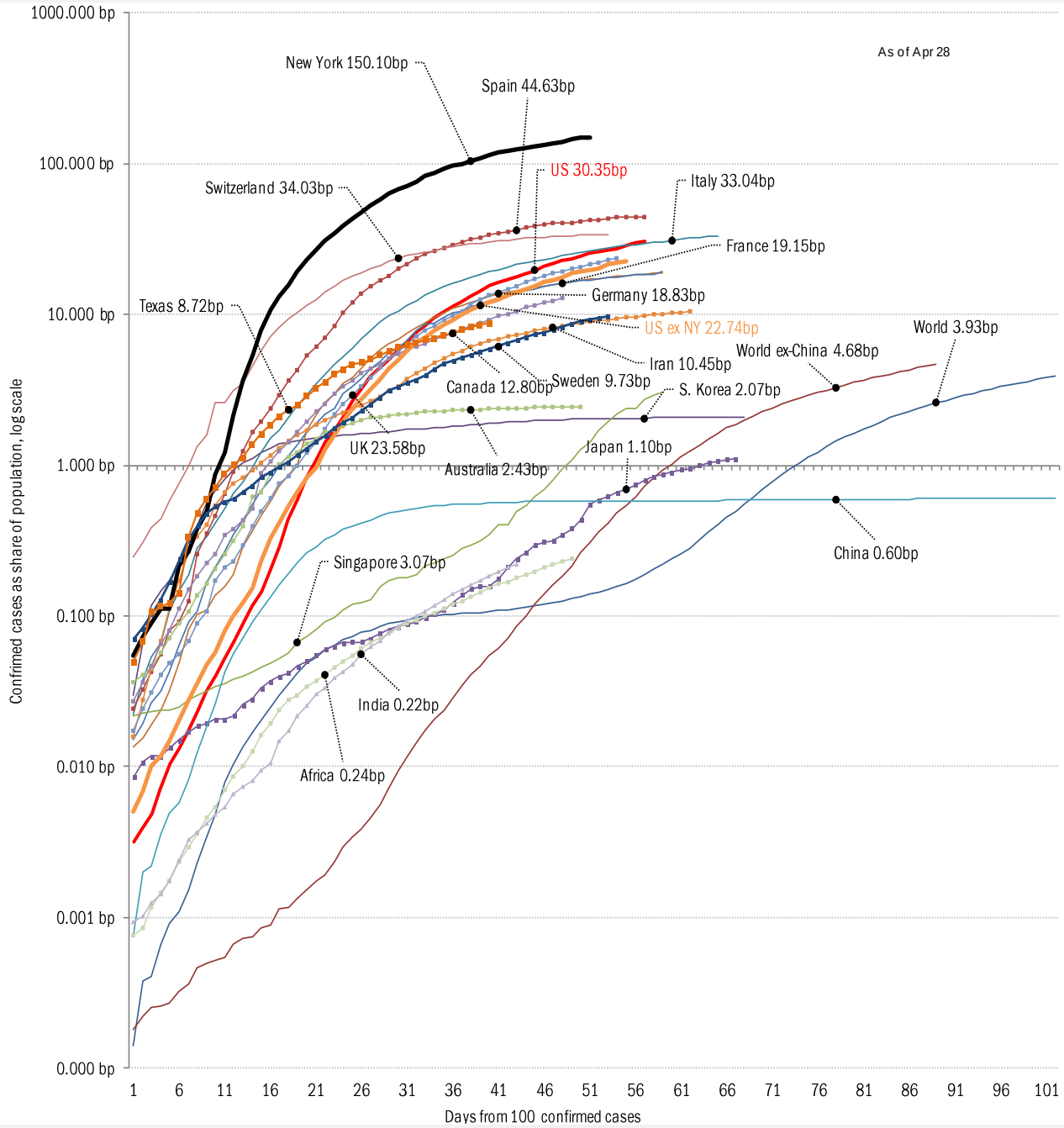
Meme of the day



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

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

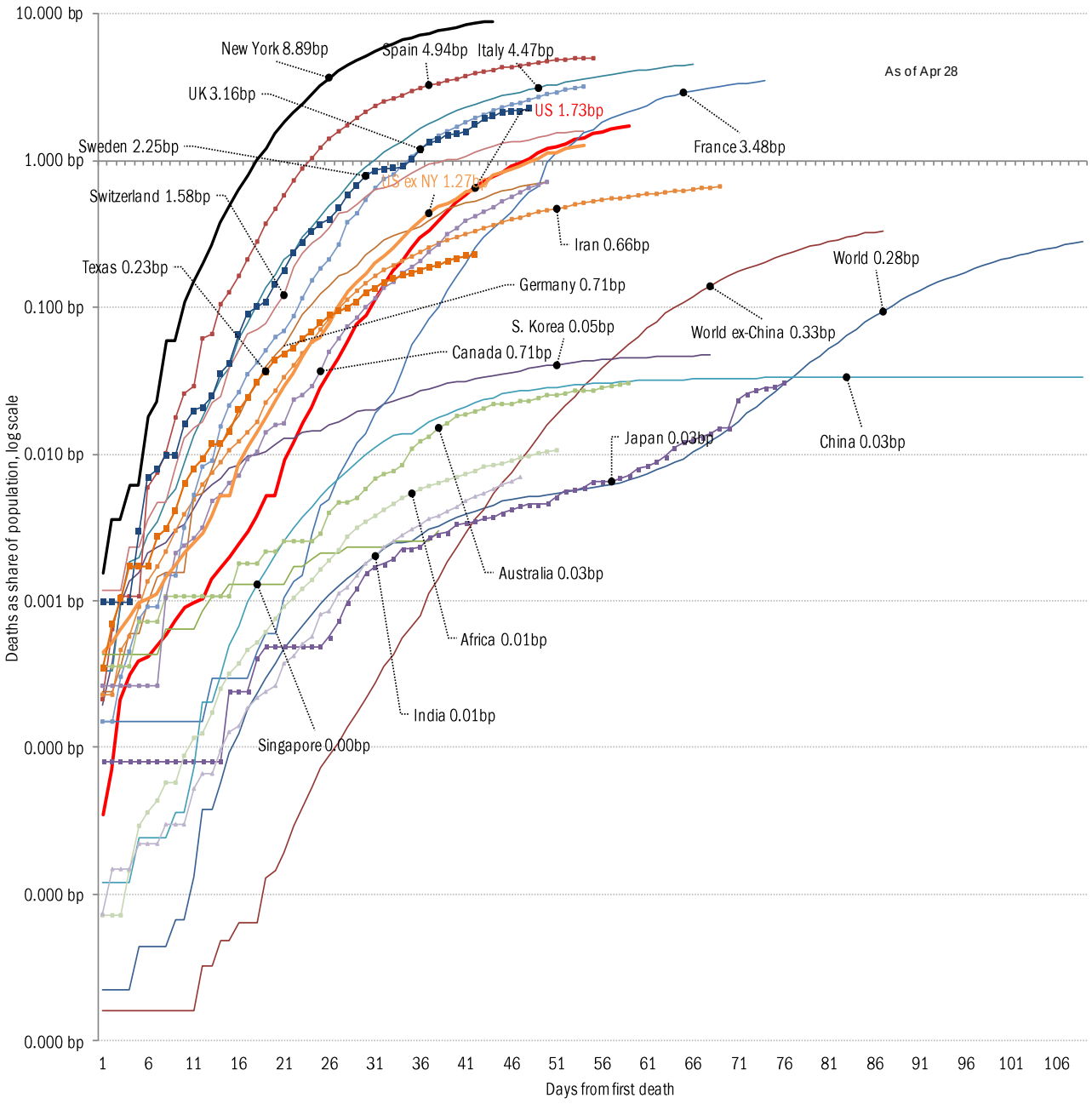
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality



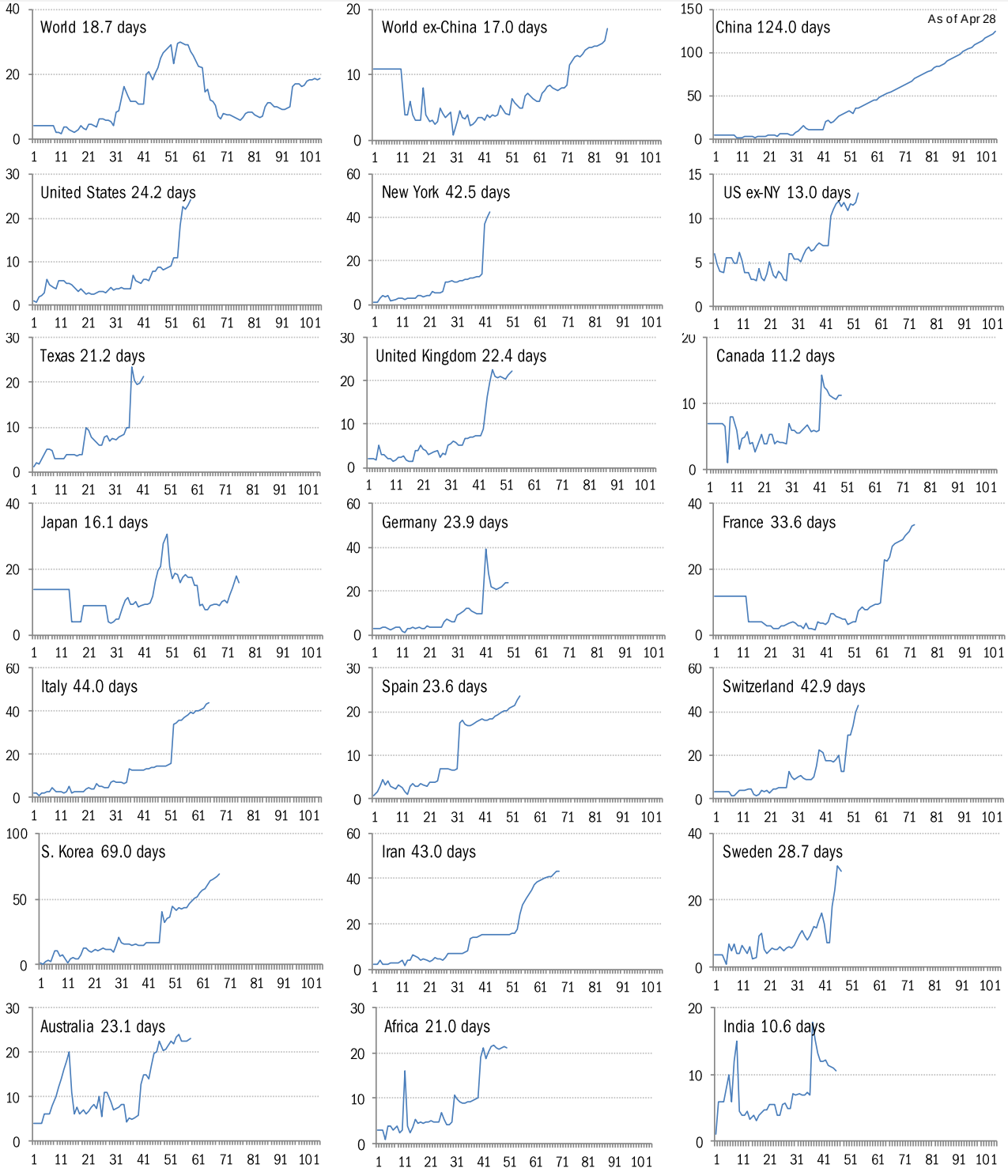
Source: ECDC, TrendMacro calculations

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…

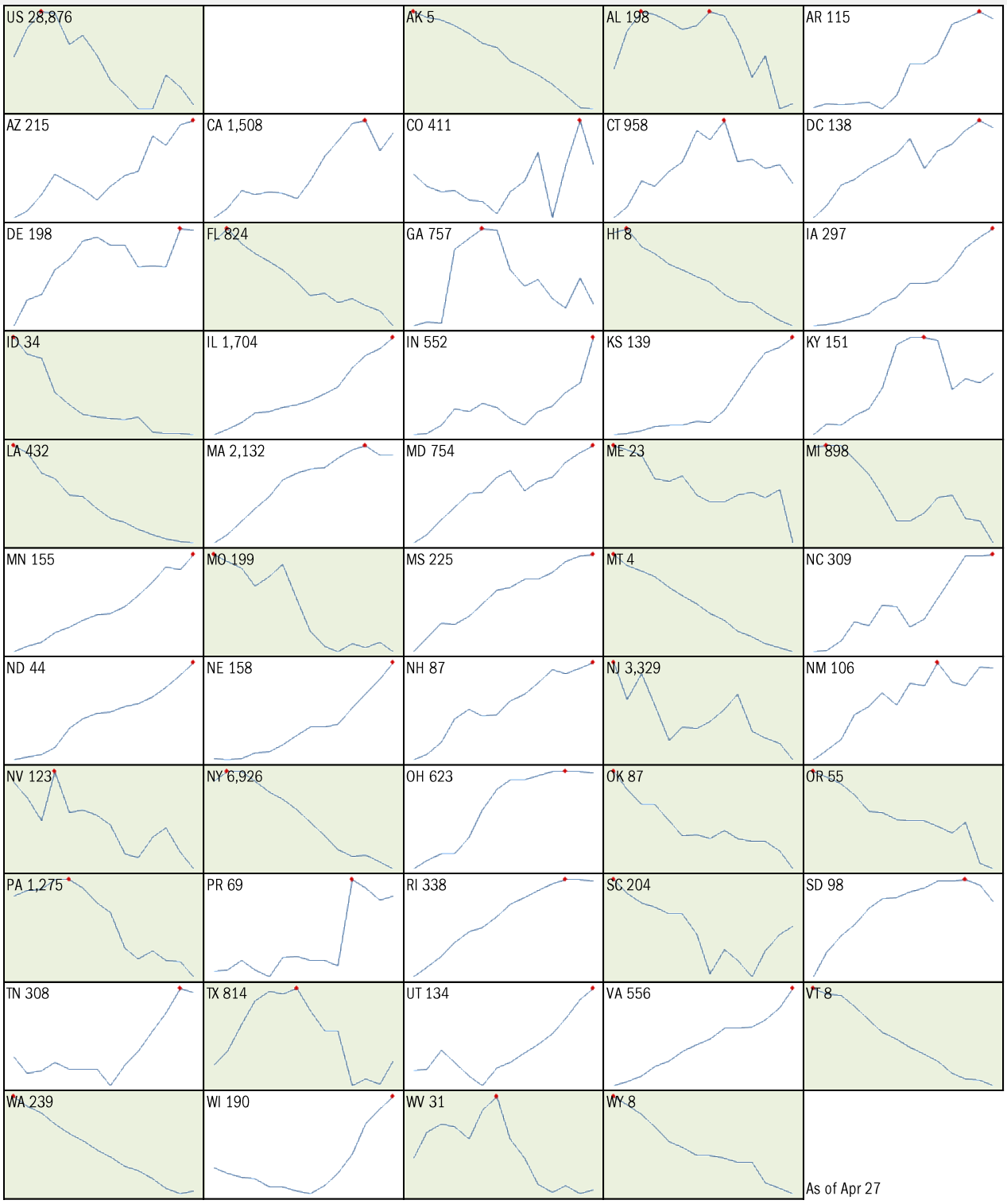
Extrapolated between actual doubling points. The most anomalous extrapolations are smoothed.



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

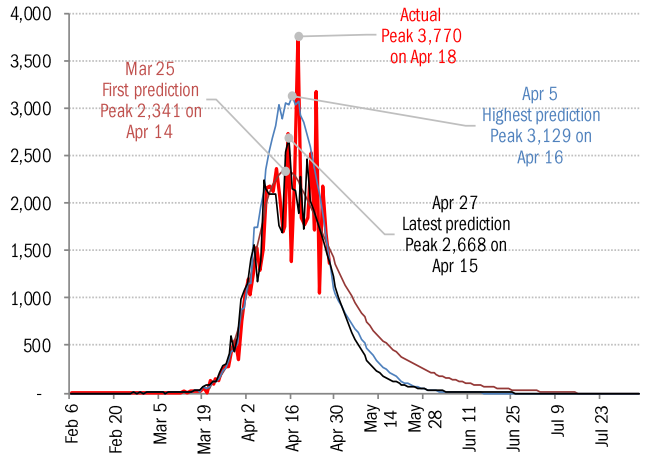
14-day moving average, last 14 days *Most recent value displayed*

Source: Covid Tracking Project, TrendMacro calculations

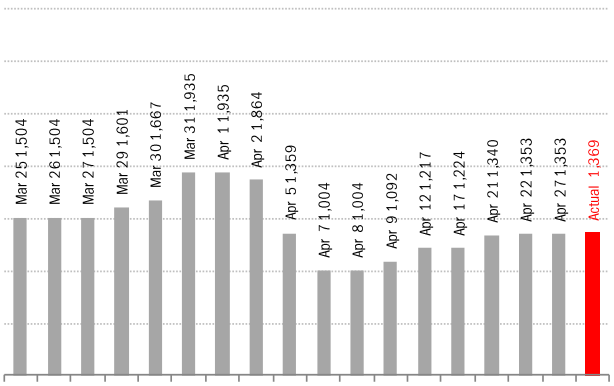
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Apr 28

Actual versus first, highest and latest model mean predictions

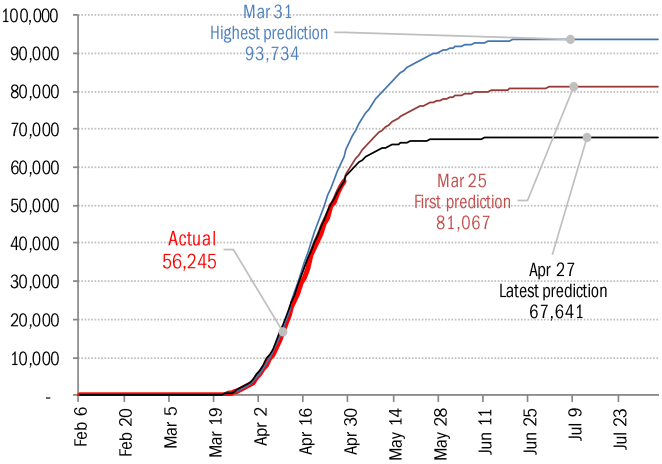


For this day, versus all model mean predictions

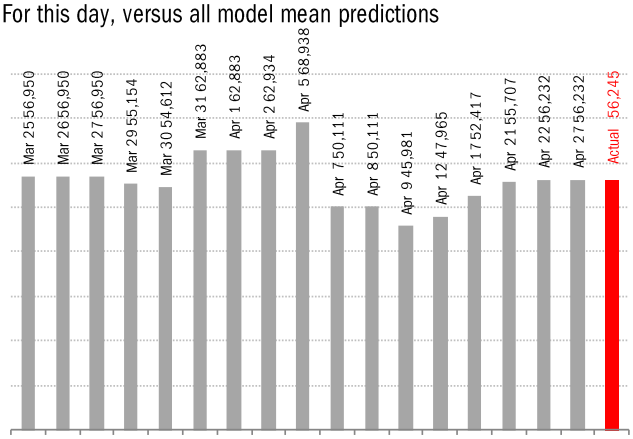


Cumulative fatalities

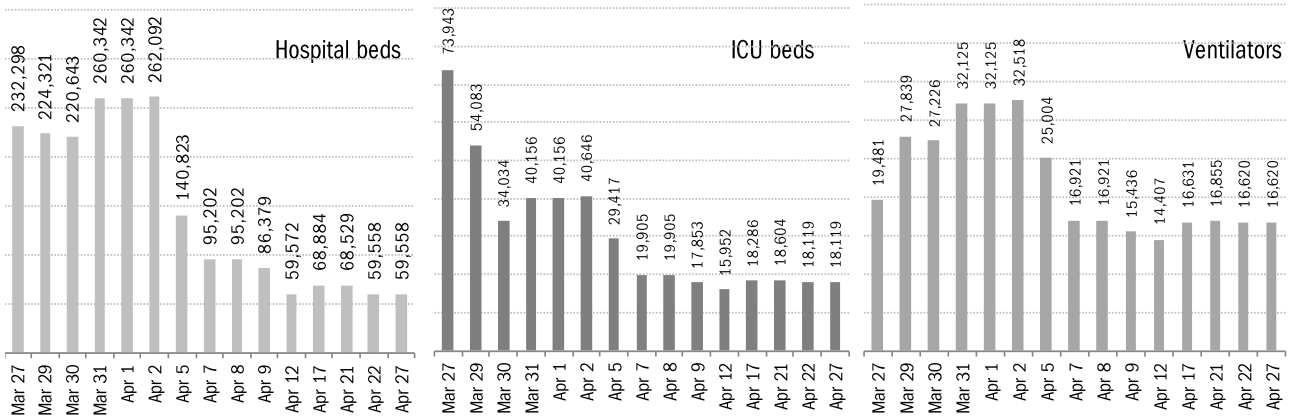
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

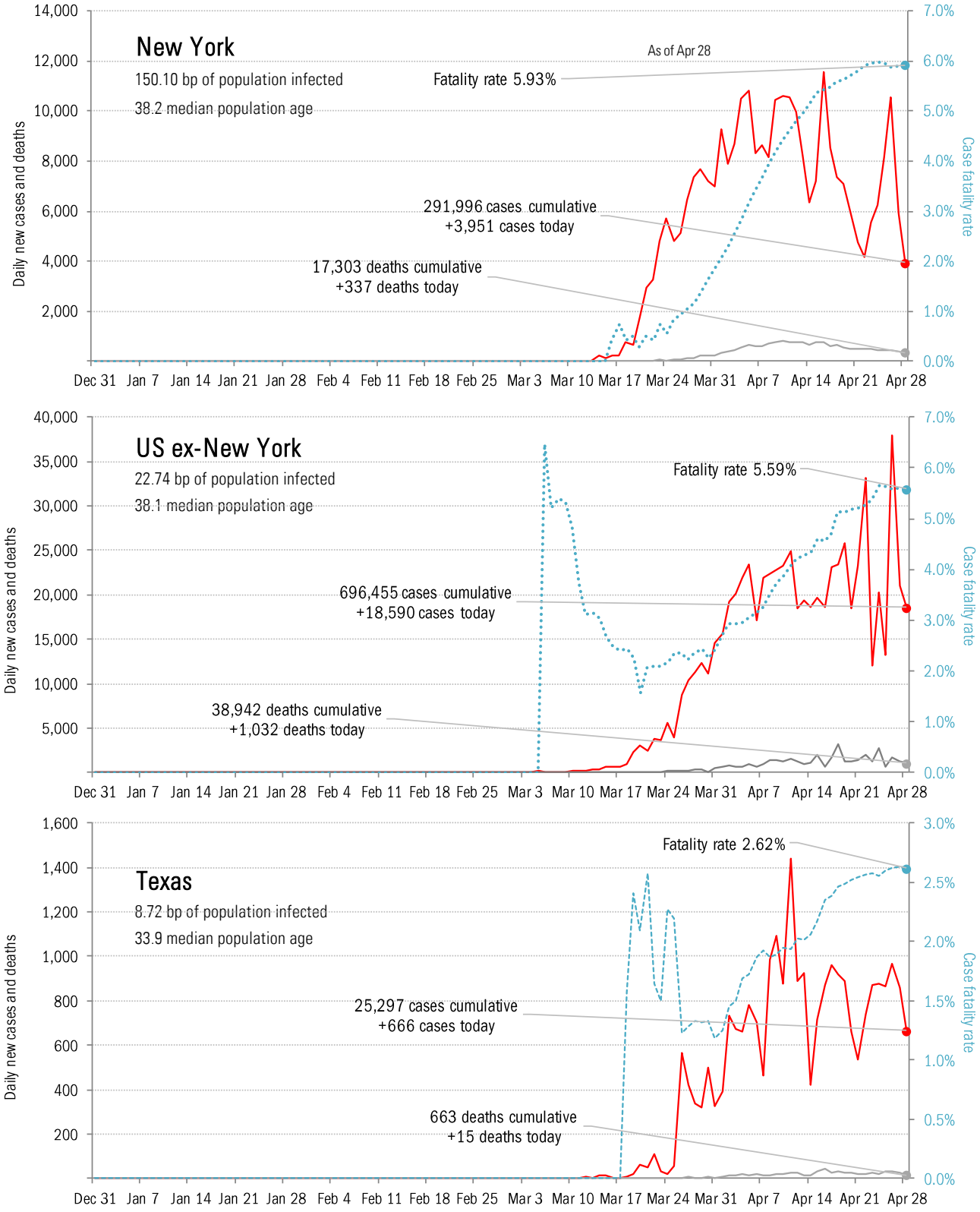


Healthcare system stress, peak estimated at each model revision



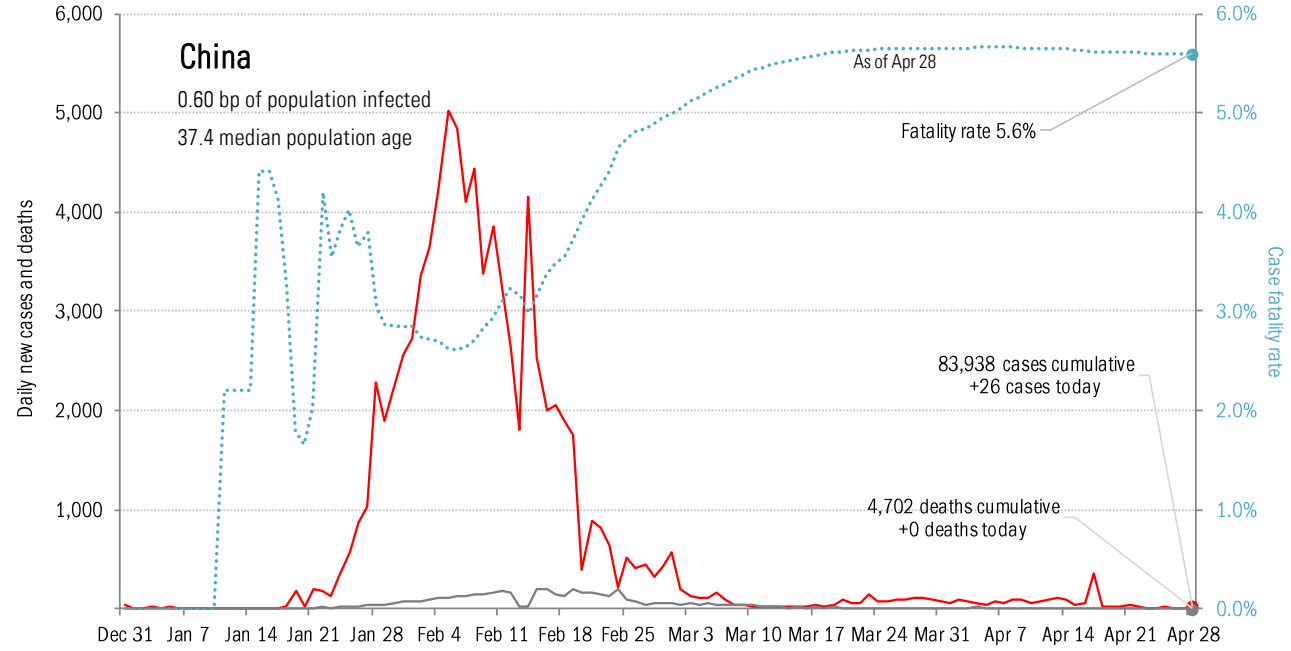
Source: ECDC, TrendMacro calculations

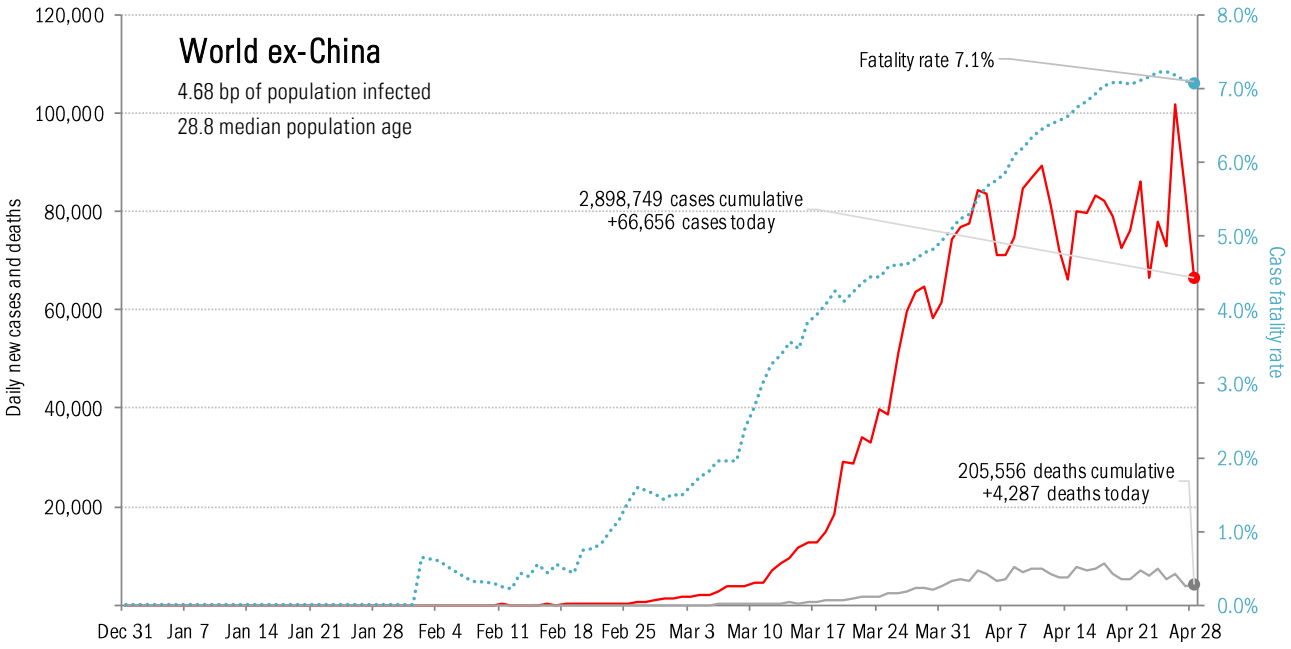
From Ground Zero to the Rio Grande



Source: ECDC, TrendMacro calculations

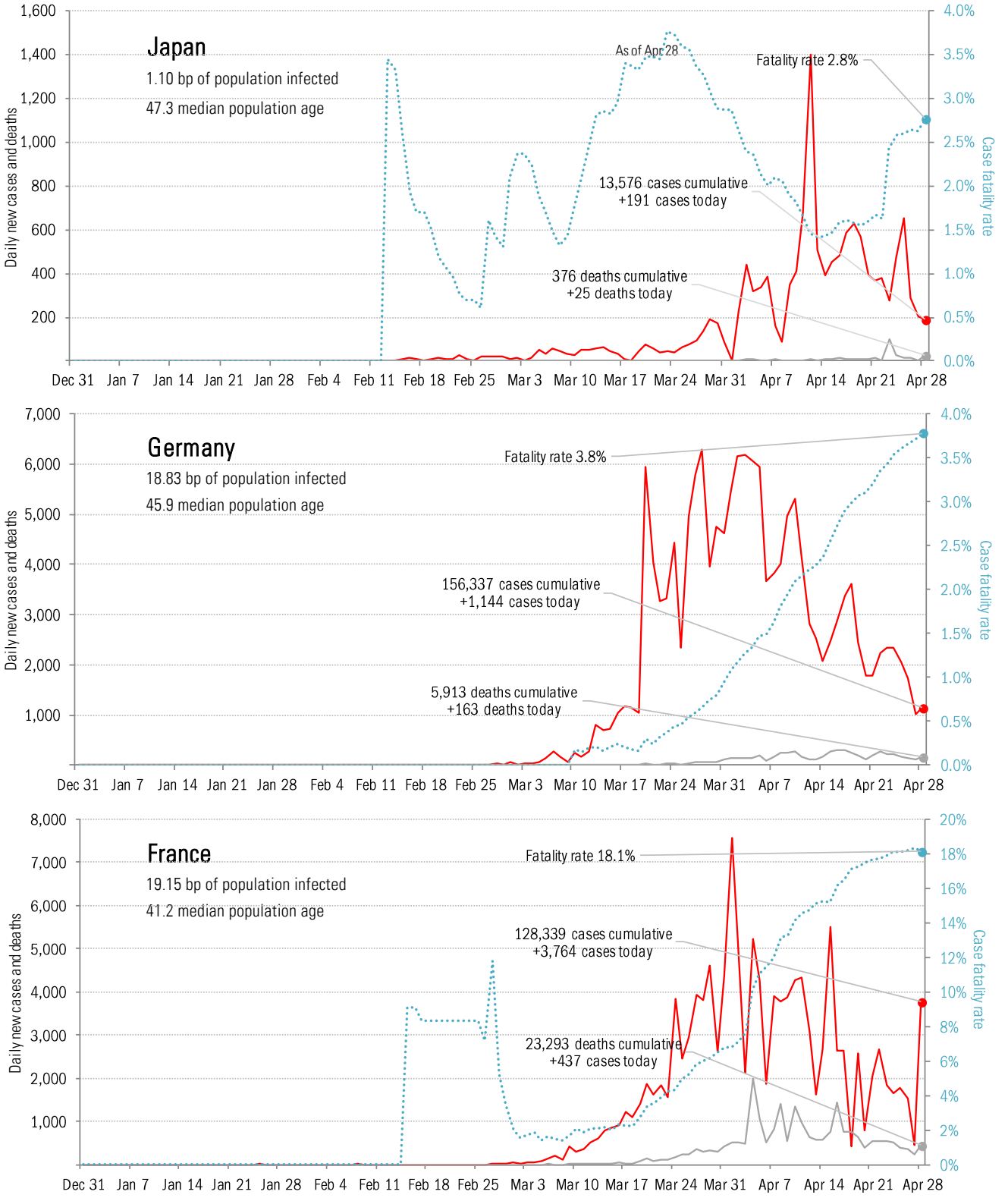
Patient zero… and then everyone else





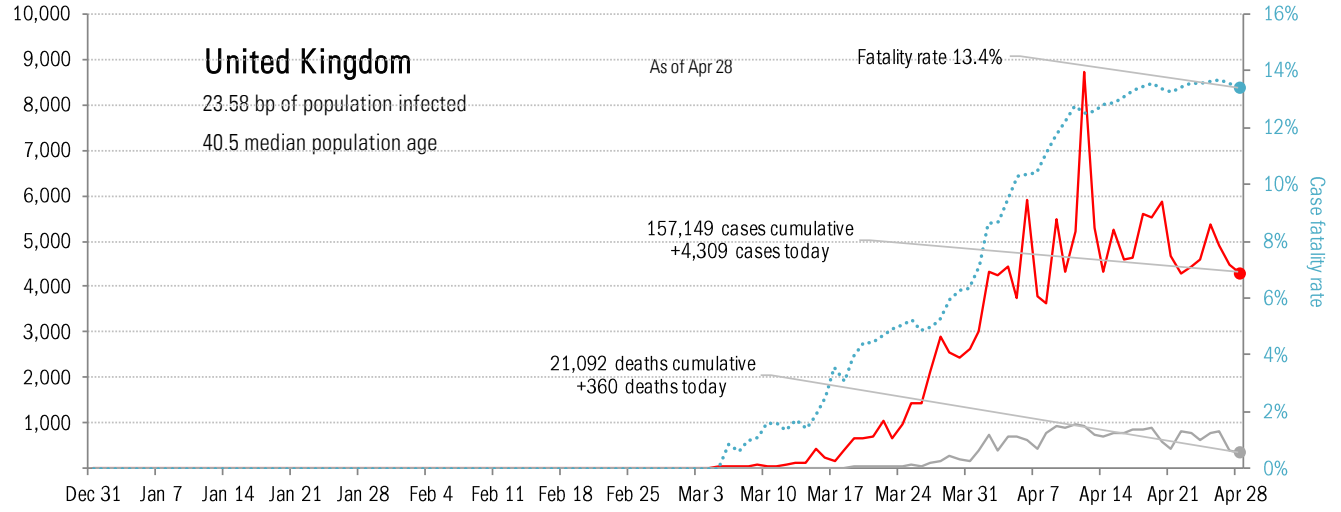
Source: ECDC, TrendMacro calculations

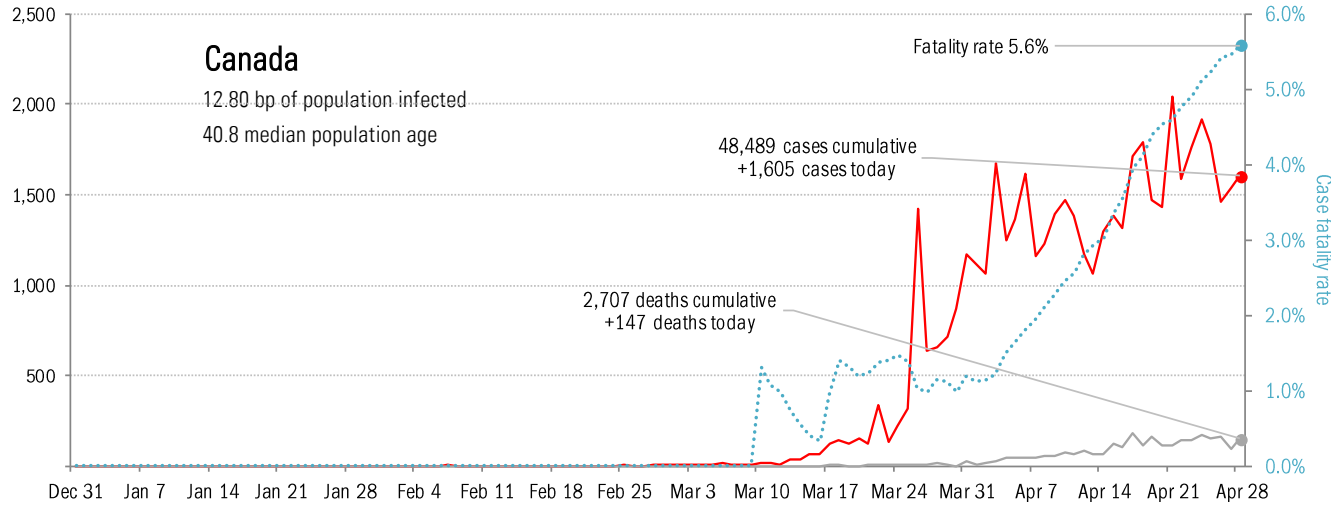
Impact in the largest economies

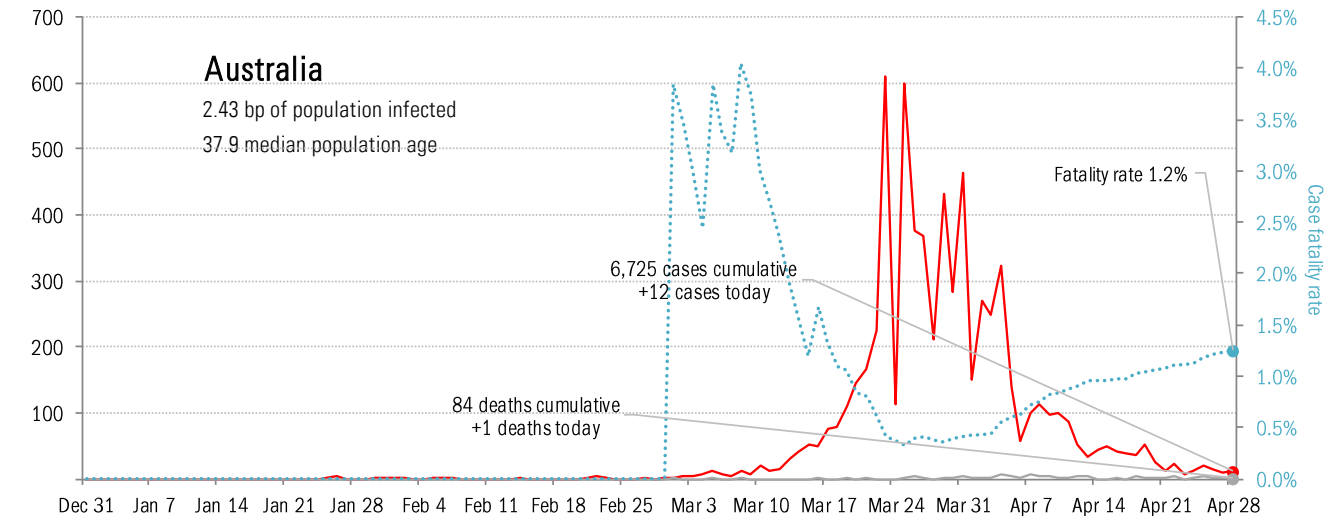


Source: ECDC, TrendMacro calculations

Impact in The Anglosphere

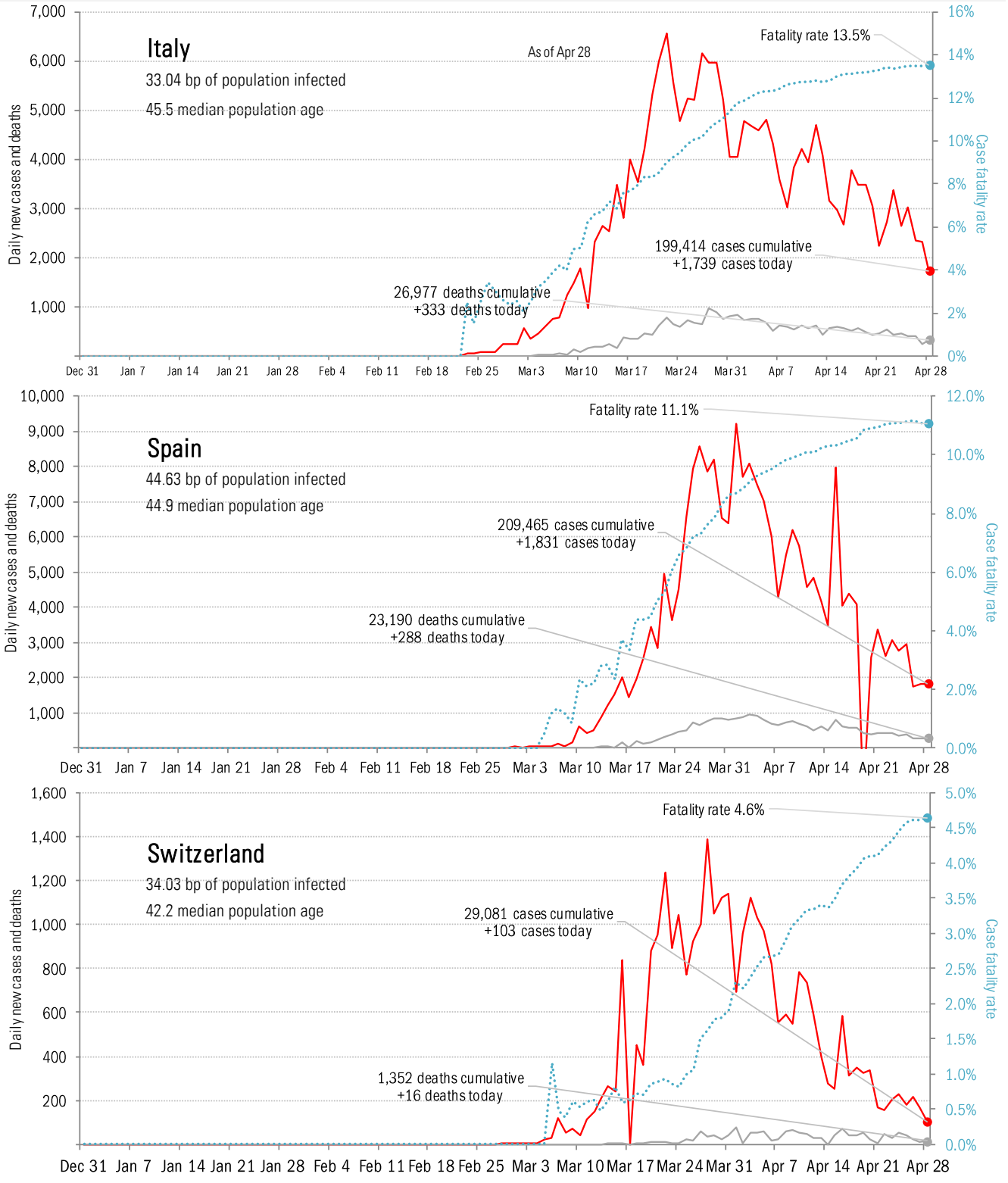






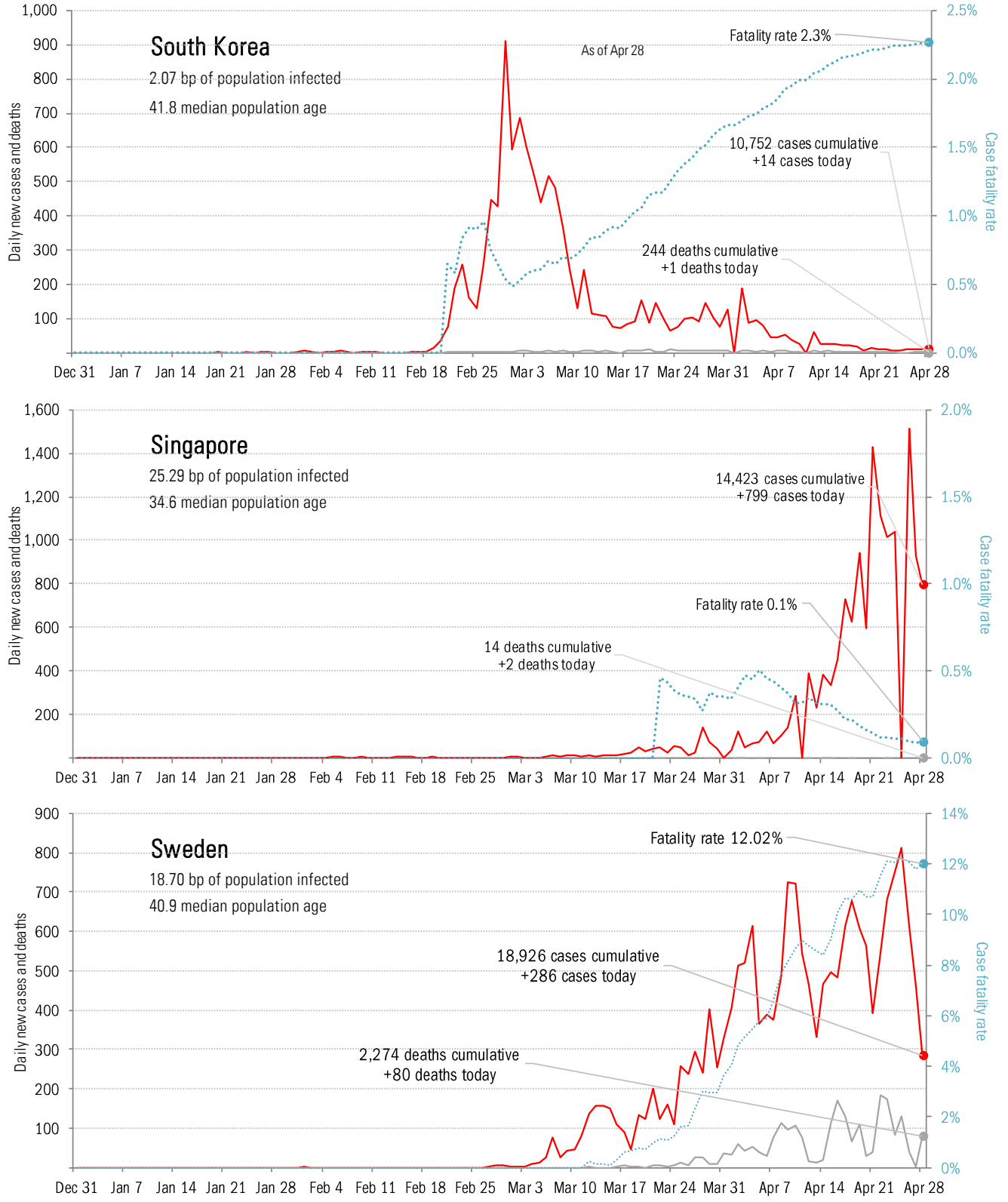
Source: ECDC, TrendMacro calculations

Impact in continental Europe



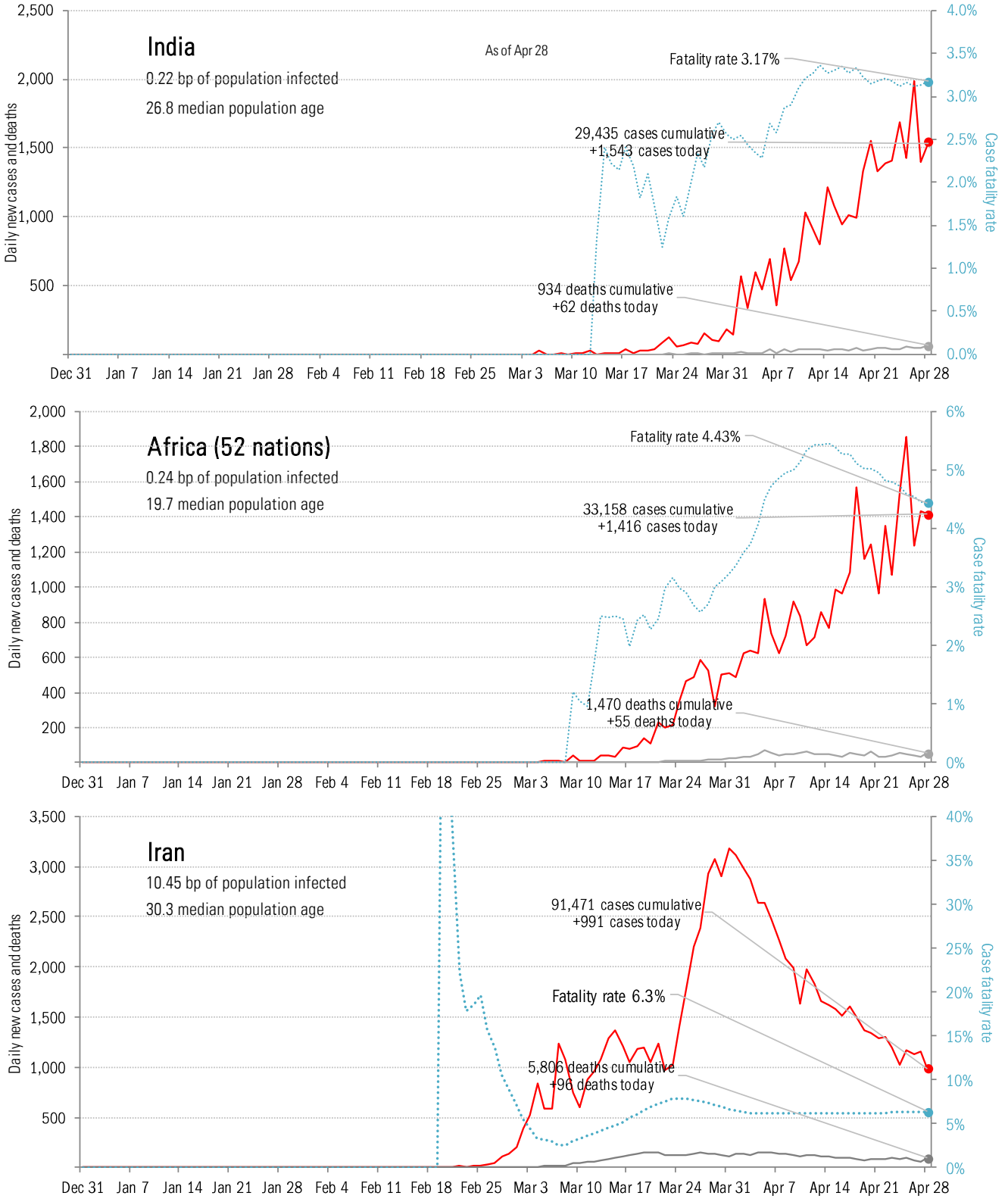
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



Source: ECDC, TrendMacro calculations

Impact in the fragile emerging world



Source: ECDC, TrendMacro calculations