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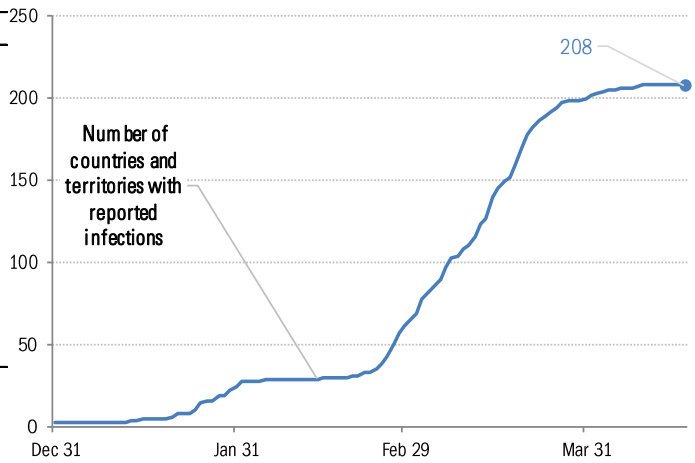
Data Insights: Covid-2019 Monitor

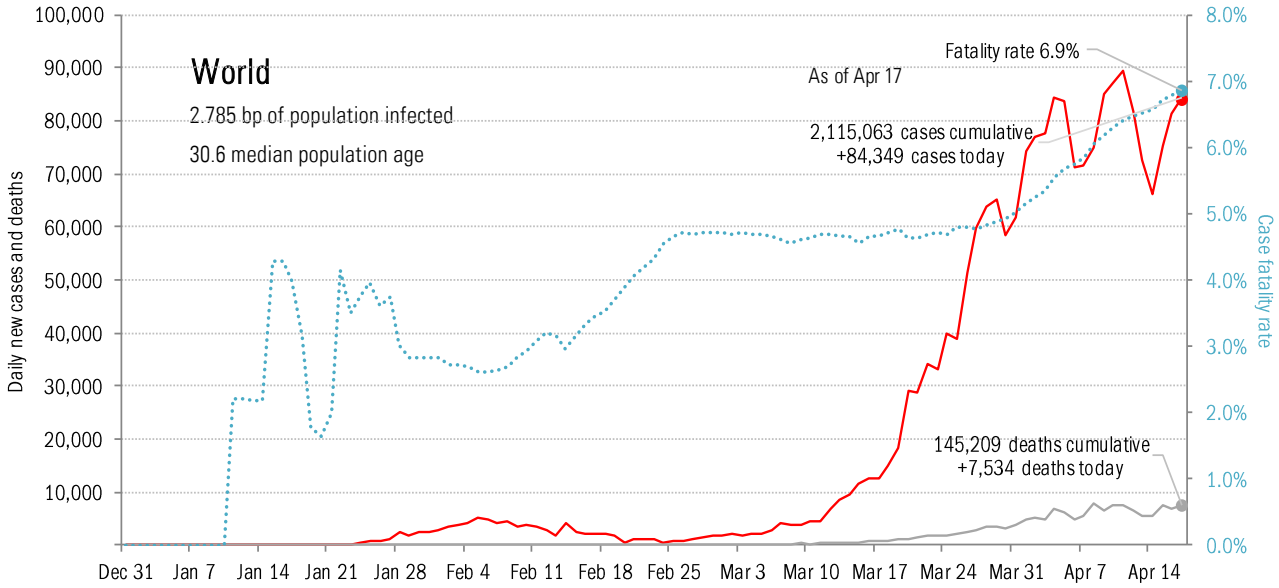
Friday, April 17, 2020

The global scorecard

The worst ten countries

New infections		New Deaths	
US	+31,667	US	+2,299
Spain	+5,183	UK	+861
Turkey	+4,801	France	+753
UK	+4,617	Spain	+551
Italy	+3,786	Italy	+525
Russia	+3,448	Belgium	+417
Germany	+3,380	Switzerland	+360
France	+2,641	Germany	+299
Brazil	+2,105	Brazil	+188
Canada	+1,717	Canada	+183
	+63,345		+6,436
World	+84,349	World	+7,534
Top ten	75%	Top ten	85%





Source: ECDC, TrendMacro calculations

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The US scorecard

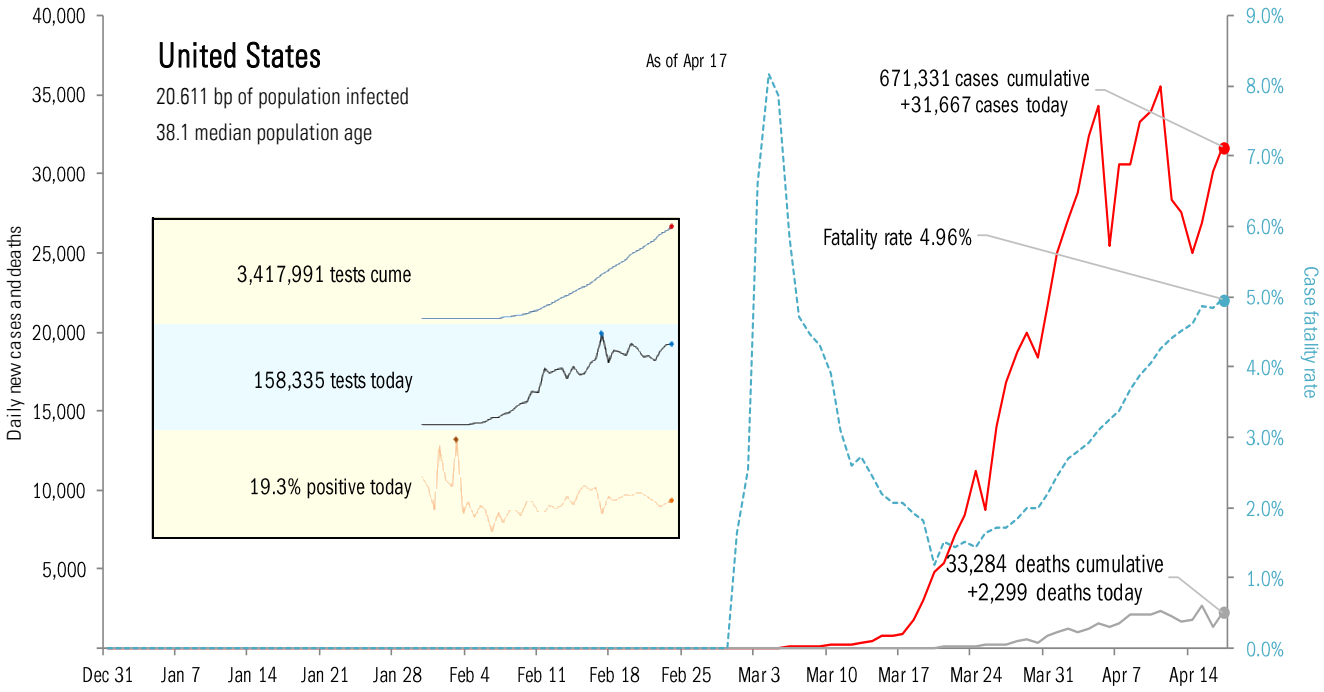
National and state-by-state data do not line up because of different sources

The ten worst US states

New infections		New Deaths		New in hospital		Cume infections		Cume deaths		Cume in hospital	
NY	+8,505	NY	+606	NY	+4,249	NY	222,284	NY	12,192	NY	50,450
NJ	+4,287	NJ	+362	MD	+220	NJ	75,317	NJ	3,518	FL	3,460
MA	+2,263	MI	+172	GA	+186	MA	32,181	MI	2,093	GA	3,108
CA	+1,758	MA	+137	KY	+120	MI	29,263	MA	1,245	MD	2,451
PA	+1,245	IL	+124	FL	+116	PA	27,735	LA	1,156	MA	2,340
MI	+1,204	CT	+103	OH	+94	CA	26,182	IL	1,072	OH	2,331
IL	+1,140	CA	+69	CO	+80	IL	25,733	CT	971	CO	1,636
CT	+1,129	PA	+60	VA	+66	FL	22,897	CA	890	WI	1,121
TX	+963	LA	+53	MS	+37	LA	22,532	PA	707	VA	1,114
MD	+752	MD	+43	NM	+34	TX	16,455	FL	646	KY	807
	+23,246		+1,729		+5,202		500,579		24,490		68,818
All states	+30,604	All states	+2,136	All states	+5,102	All states	663,260	All states	30,296	All states	74,705
Top ten	76%	Top ten	81%	Top ten	102%	Top ten	75%	Top ten	81%	Top ten	92%

Five most improved US states

Fewer daily infections		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NY	-3,066	NY	-146	VA	-982	TN	+590
FL	-758	CT	-94	FL	-168	TX	+527
IL	-206	LA	-37	WV	-164	KY	+209
DE	-192	FL	-35	AR	-130	VA	+199
NH	-119	VA	-28	NH	-26	MI	+165



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

Recommended reading

[Opening Up America Again](#)
The White House
April 16, 2020

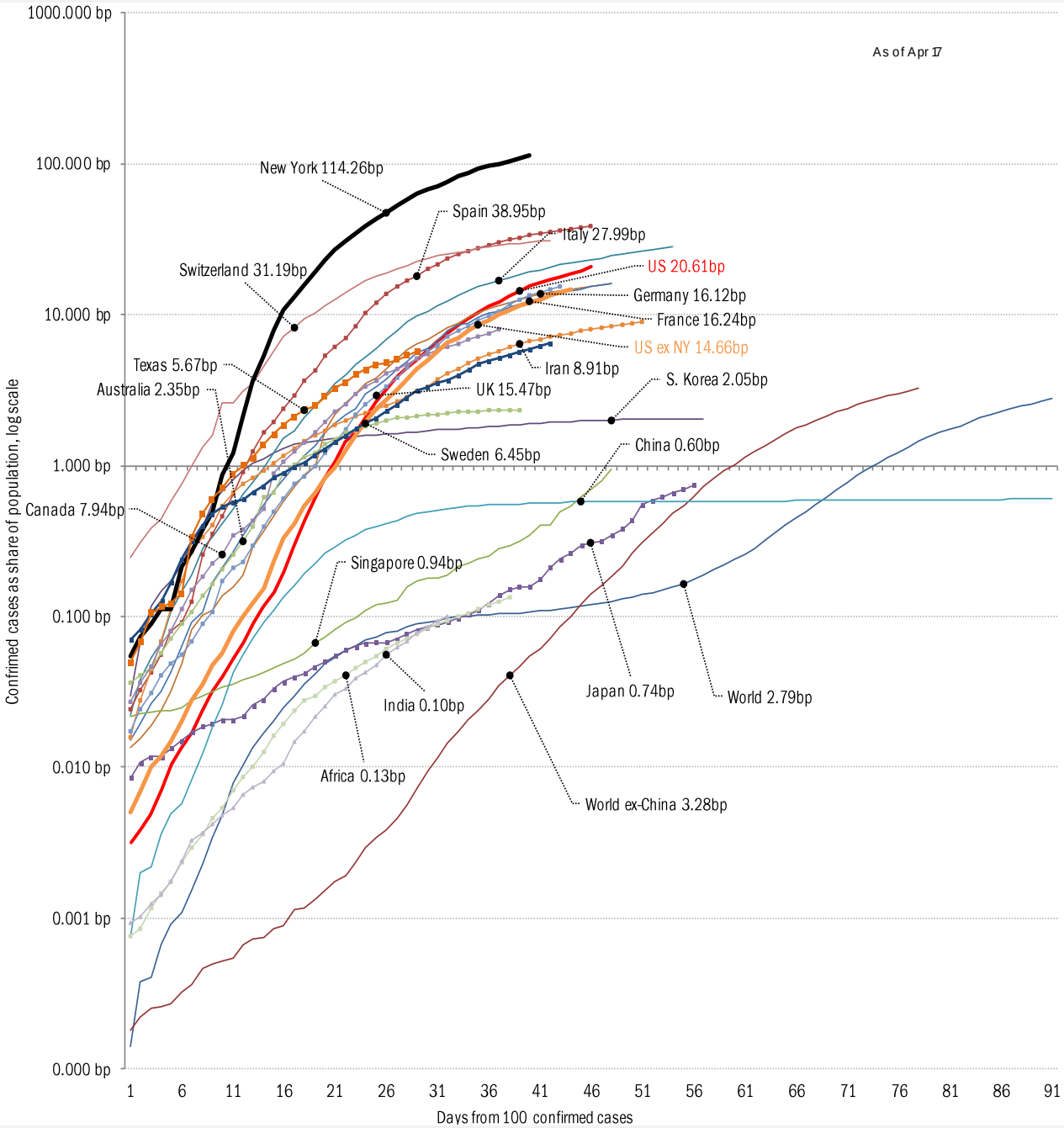
[Exclusive: New York taps McKinsey to develop 'Trump-proof' economic reopening plan](#)
Jarrett Renshaw
Reuters
April 16, 2020

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

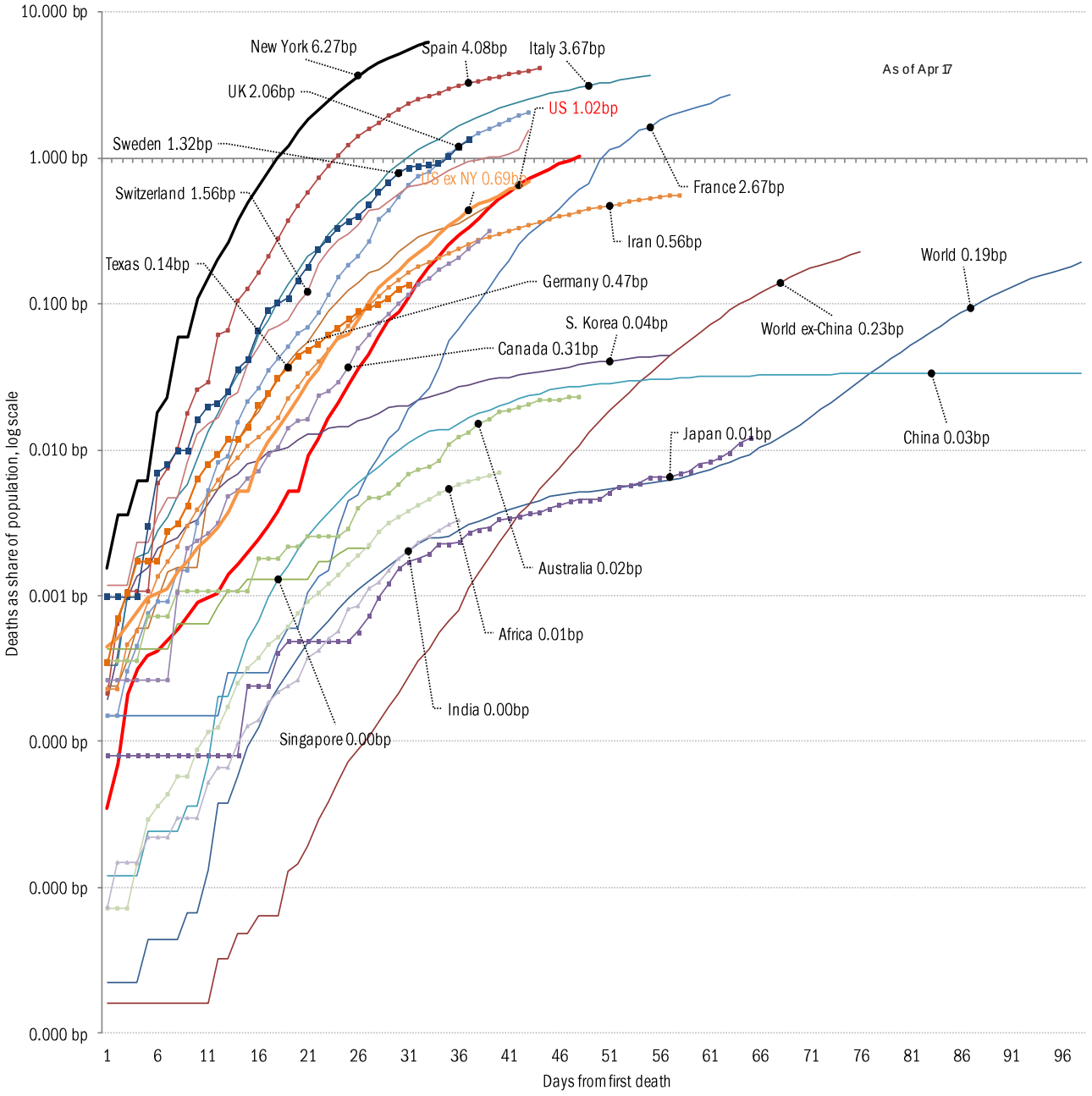
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality



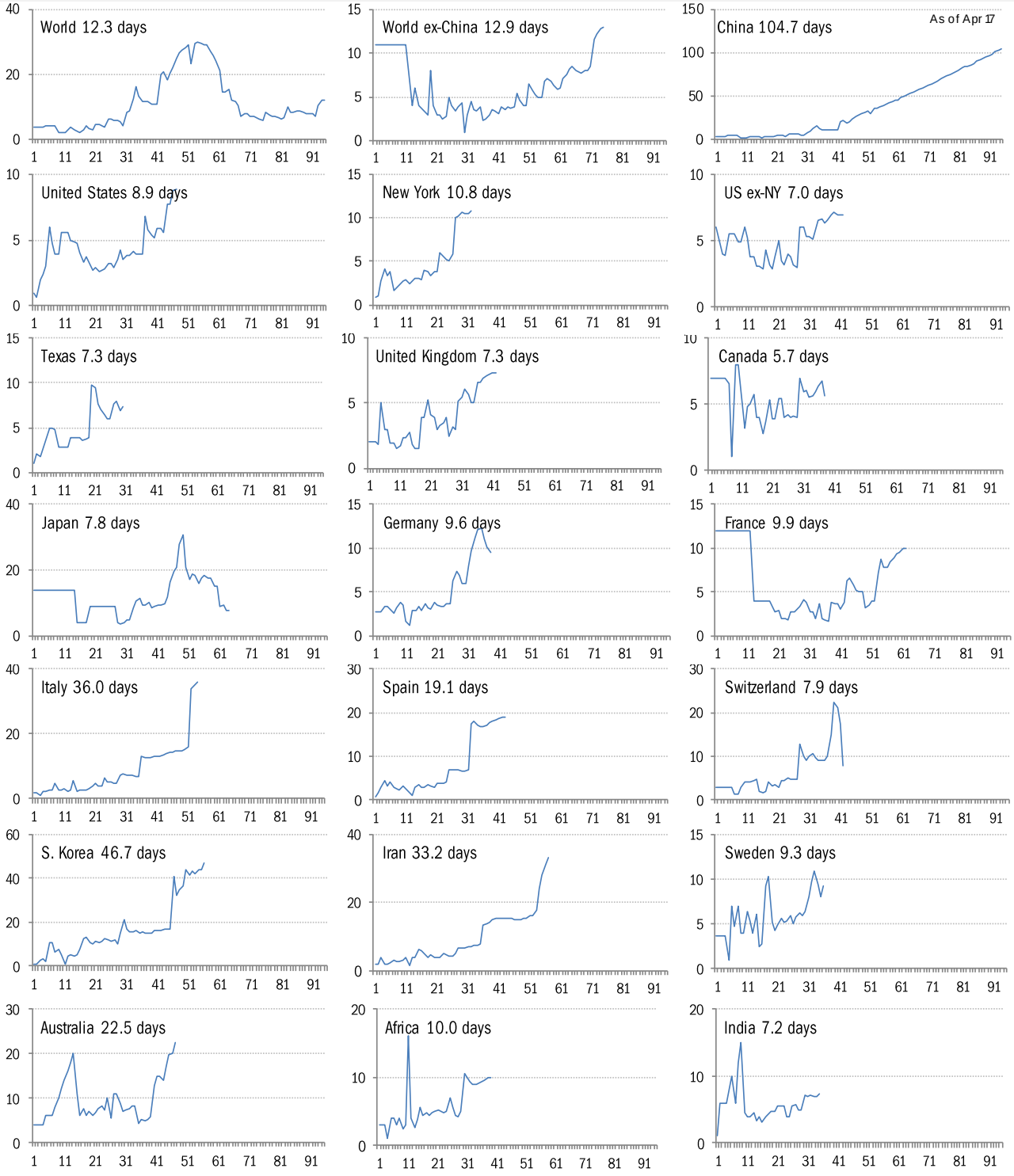
Source: ECDC, TrendMacro calculations

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…

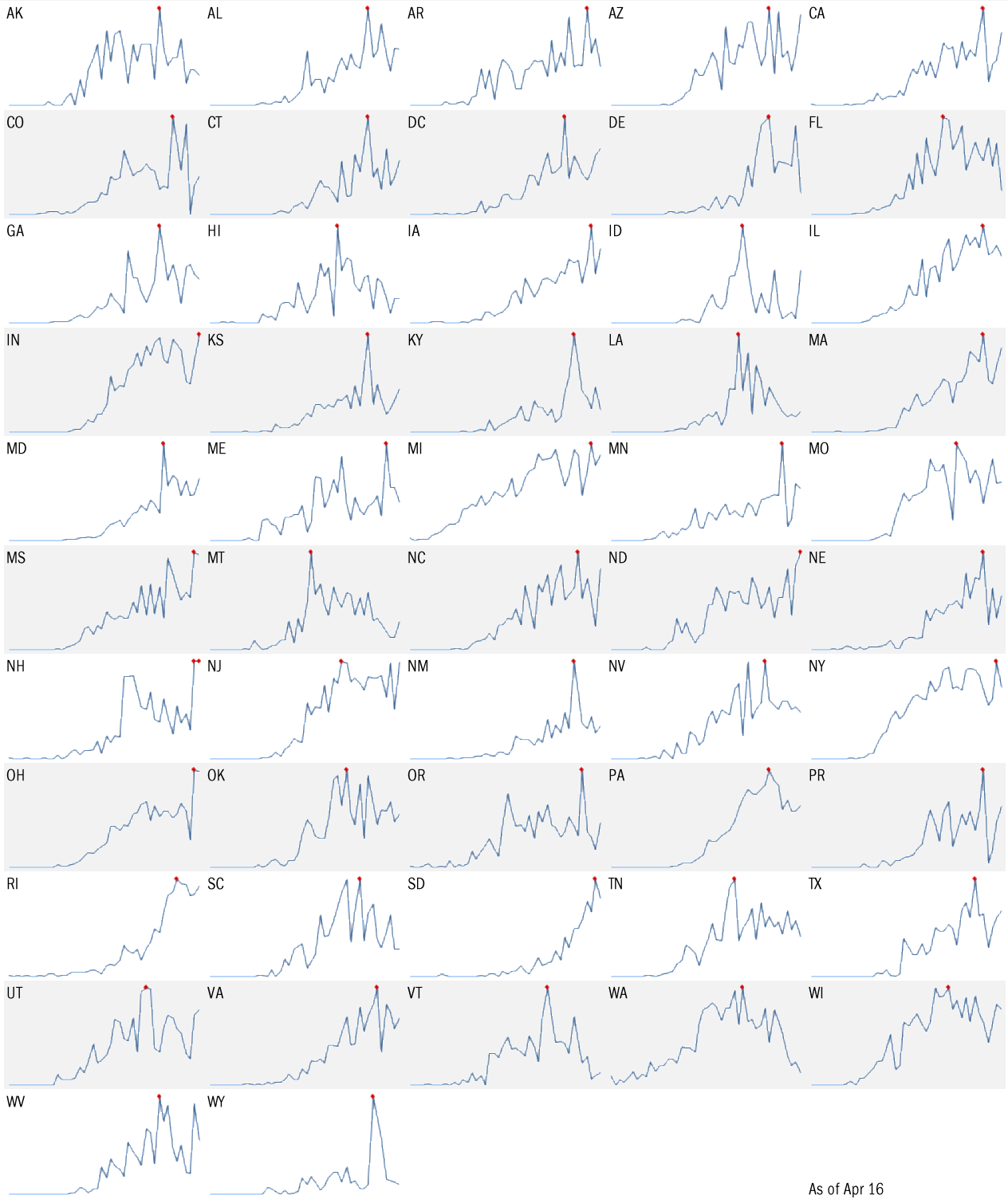
Extrapolated between actual doubling points. The most anomalous extrapolations are smoothed.



Source: ECDC, TrendMacro calculations

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

Confirmed cases from March 4 *Warning: state data is noisy, error-prone and subject to changing definitions*

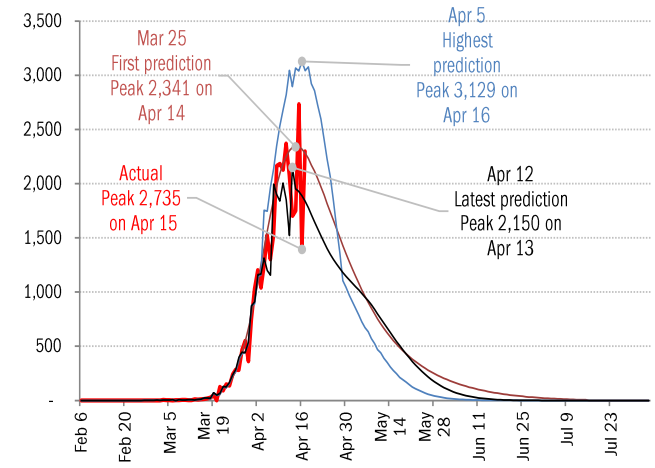


Source: Covid Tracking Project, TrendMacro calculations

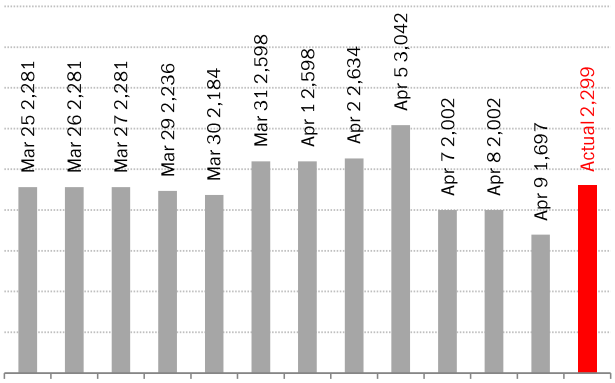
Reality-checking the models: actual fatalities versus IHME predictions

New daily fatalities As of Apr 17

Actual versus first, highest and latest model mean predictions

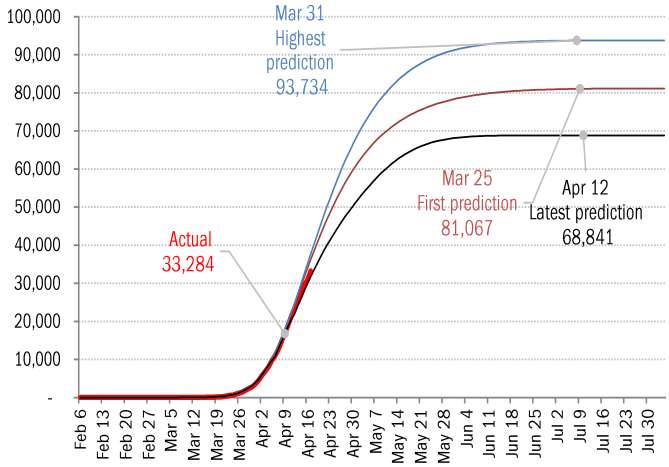


For this day, versus all model mean predictions

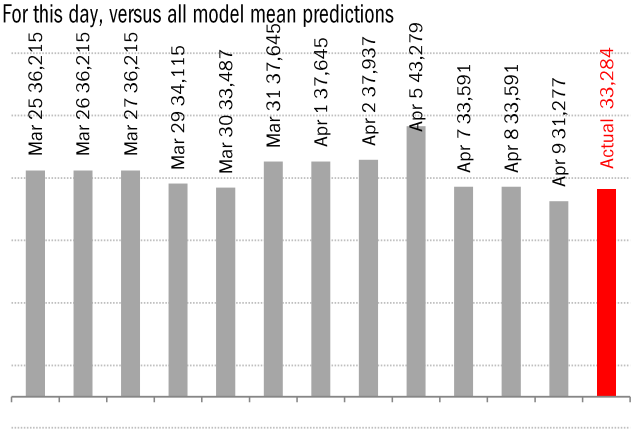


Cumulative fatalities

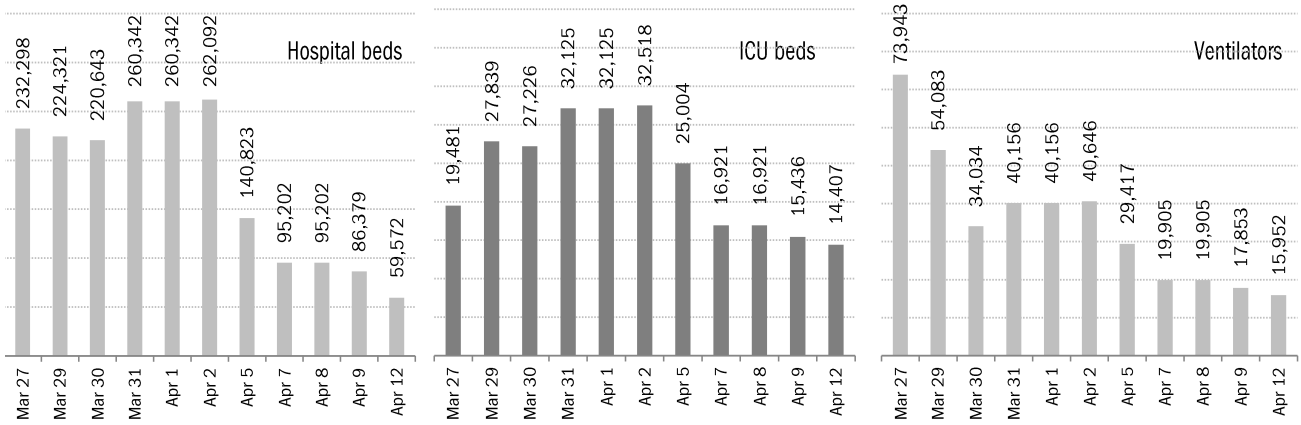
Actual versus first, highest and latest model mean predictions



For this day, versus all model mean predictions

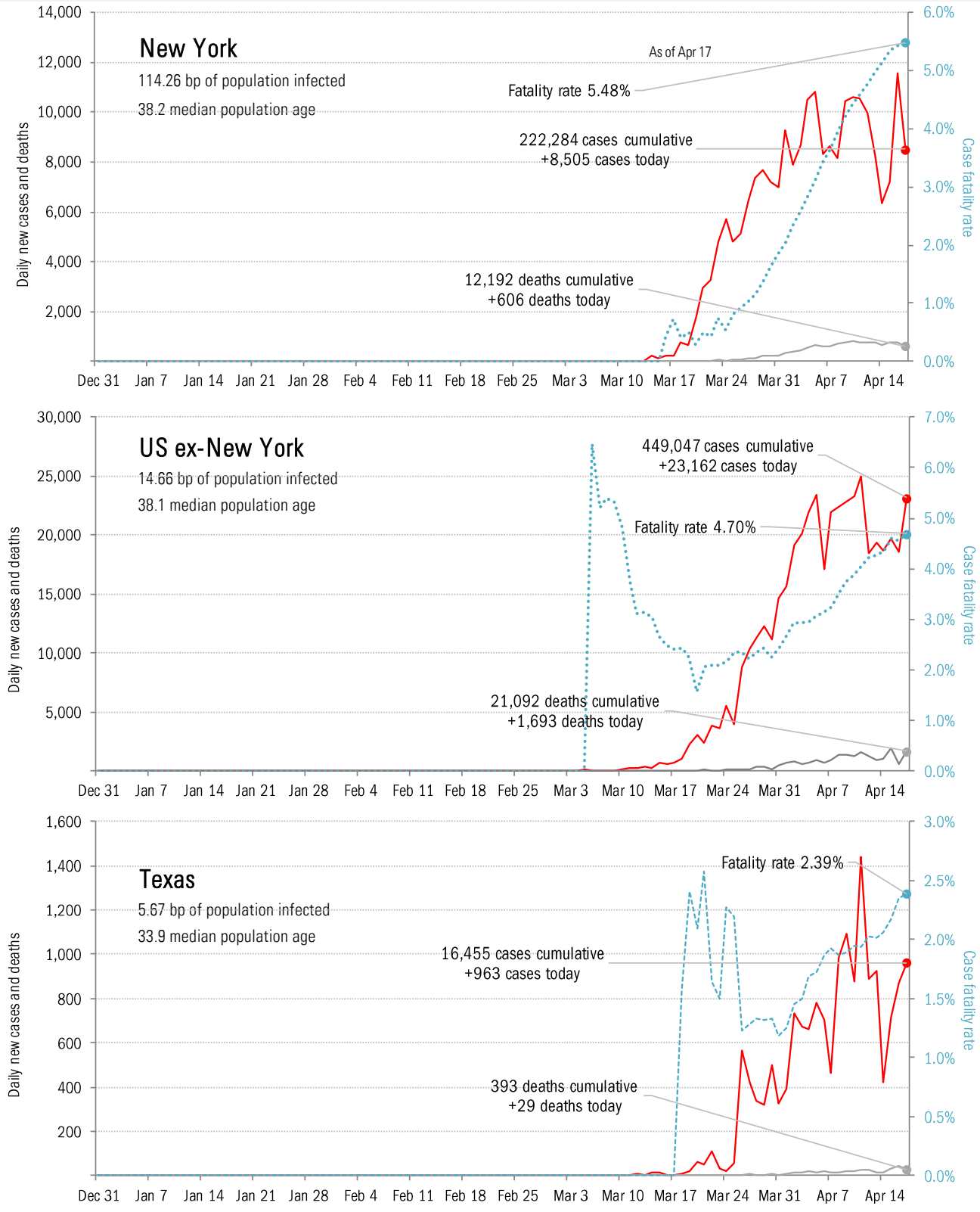


Healthcare system stress, peak estimated at each model revision



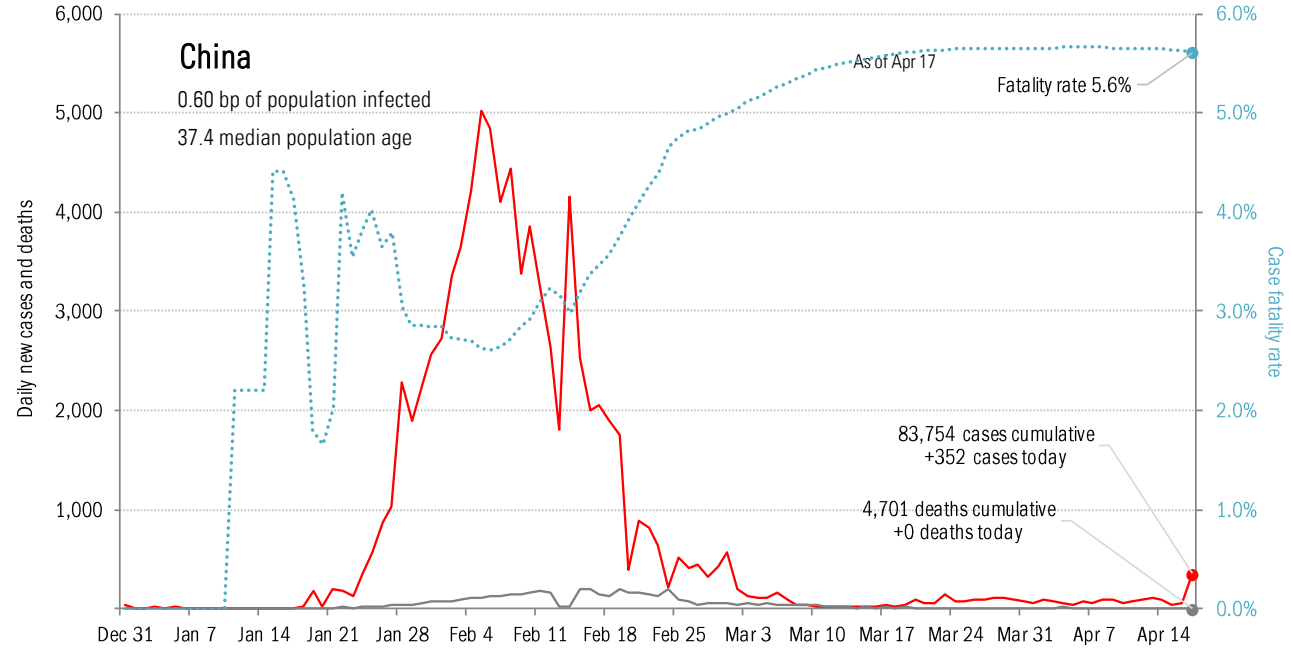
Source: ECDC, TrendMacro calculations

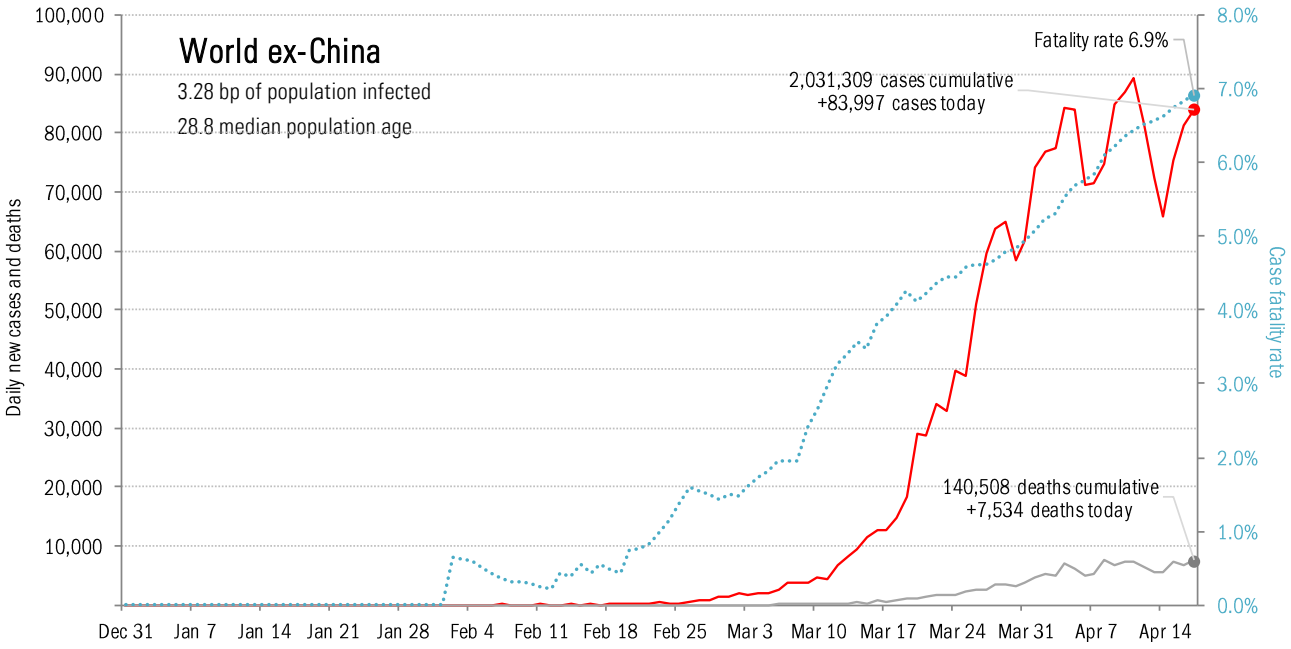
From Ground Zero to the Rio Grande



Source: ECDC, TrendMacro calculations

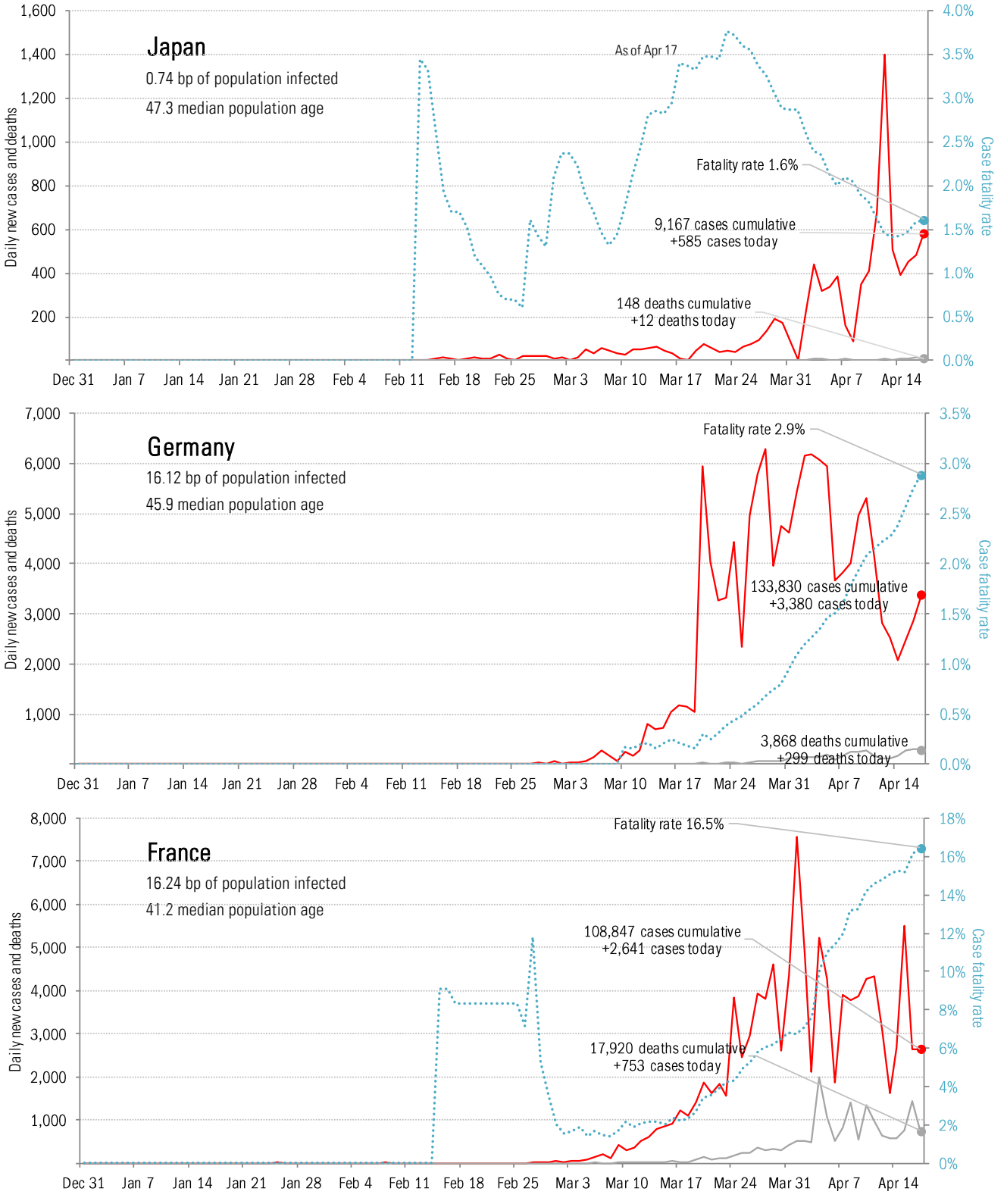
Patient zero… and then everyone else





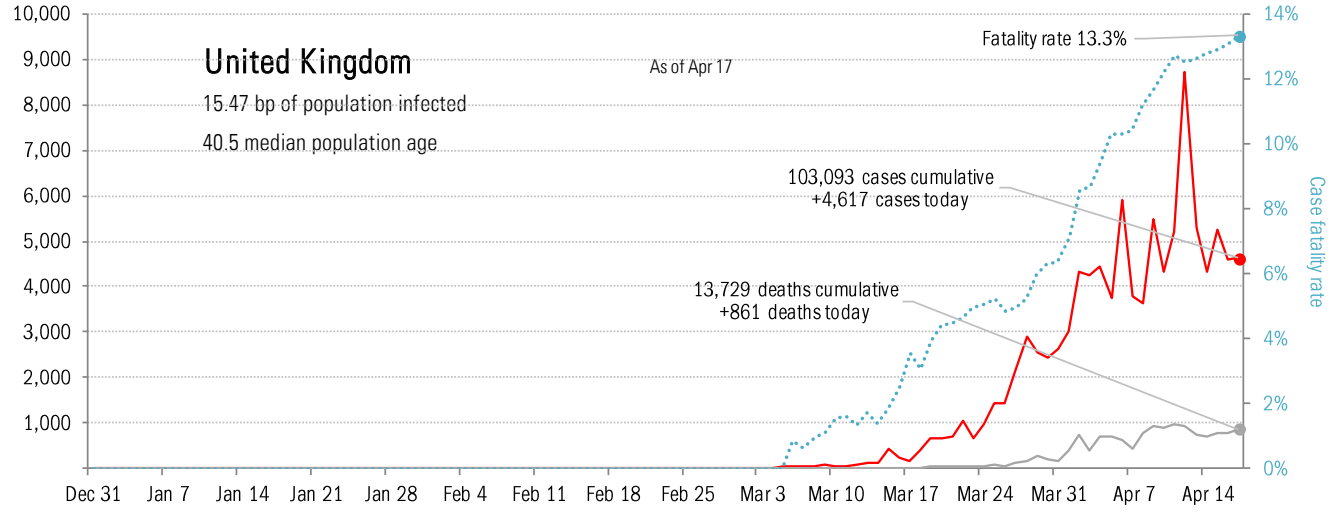
Source: ECDC, TrendMacro calculations

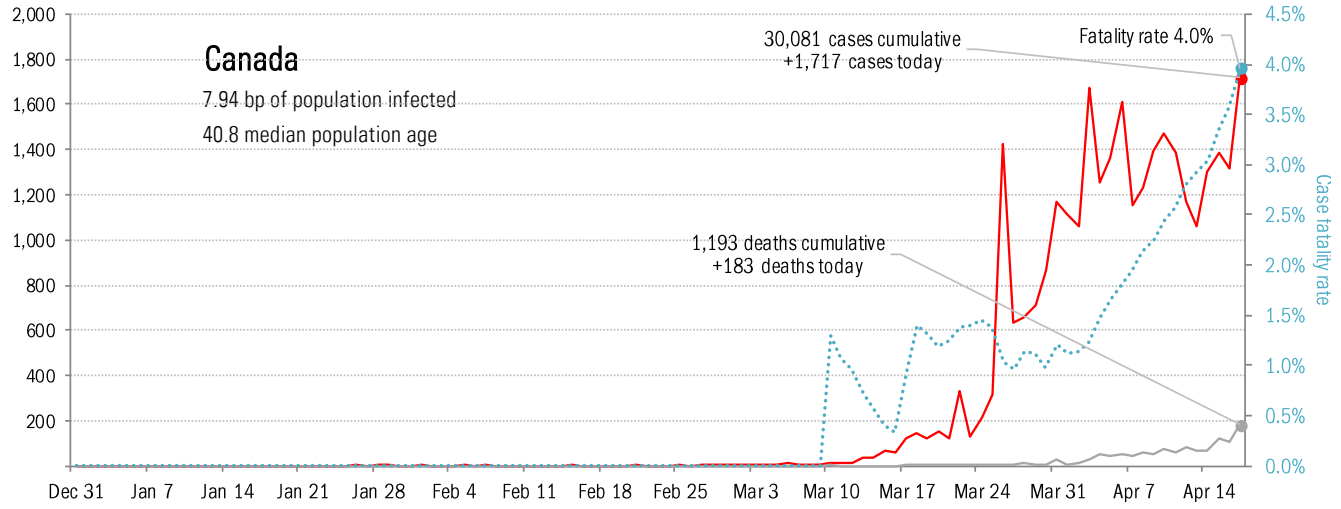
Impact in the largest economies

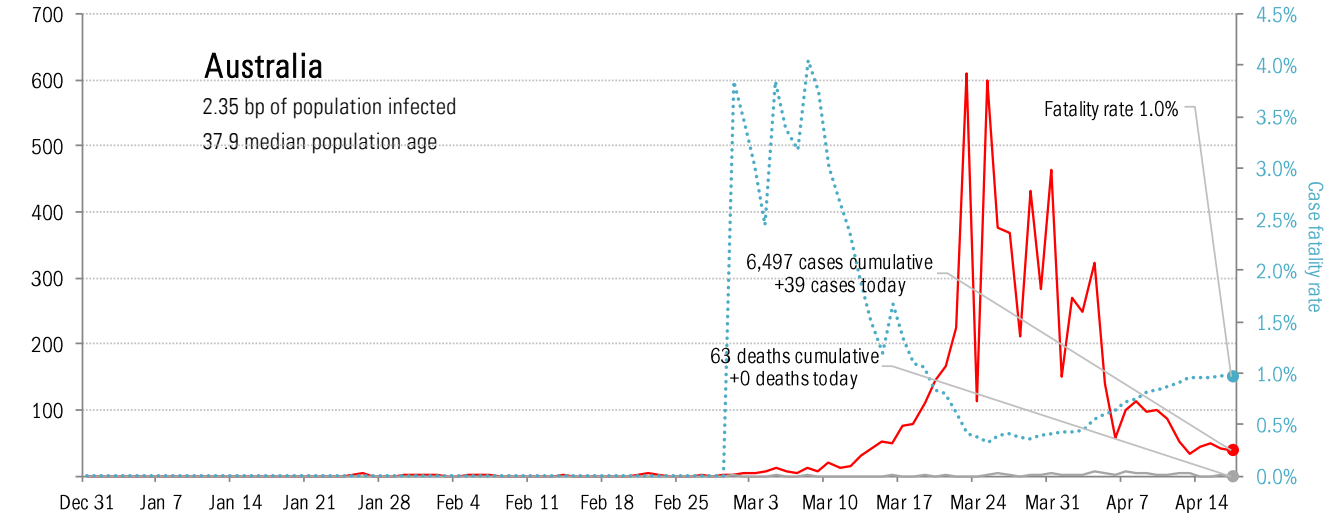


Source: ECDC, TrendMacro calculations

Impact in The Anglosphere

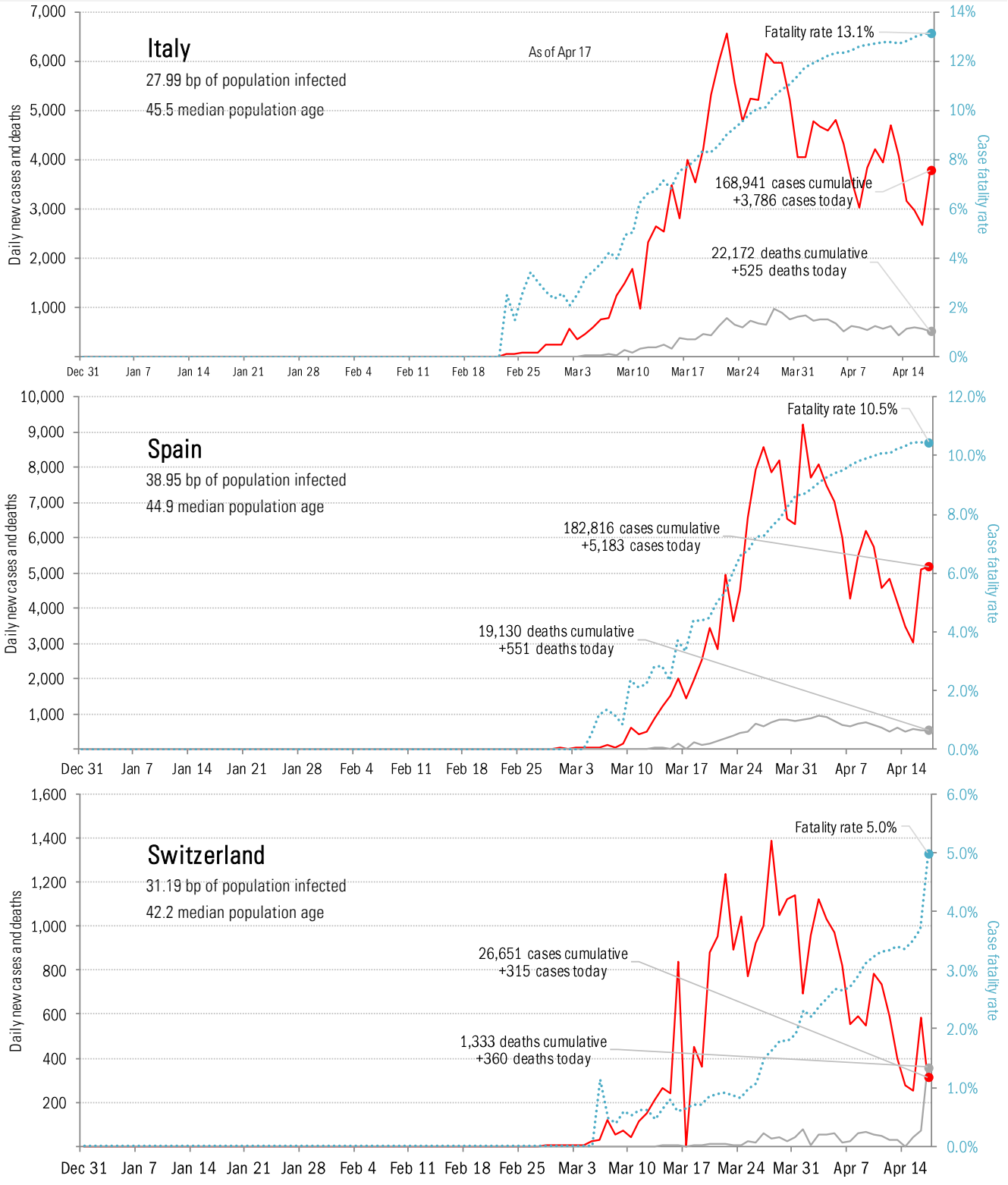






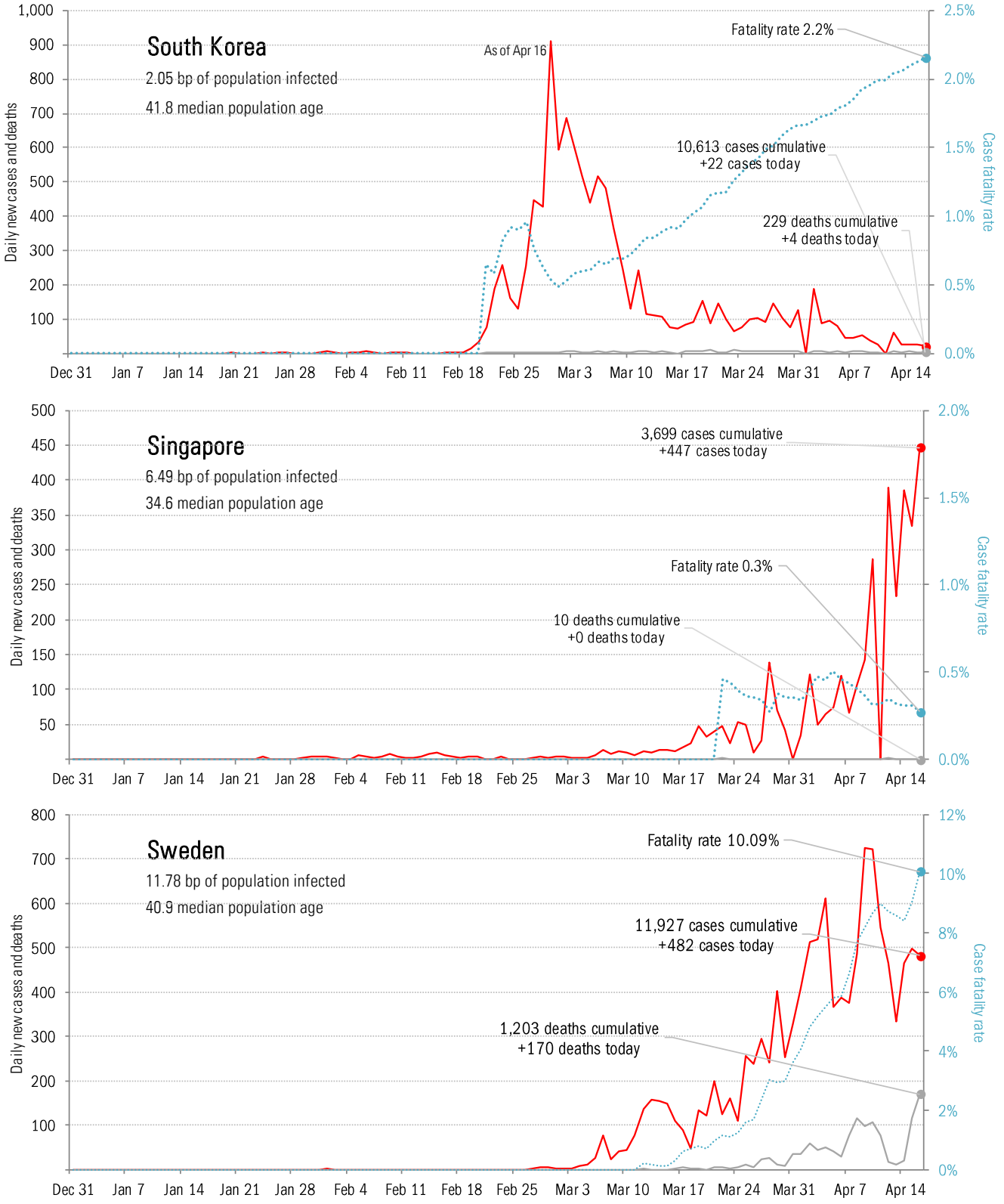
Source: ECDC, TrendMacro calculations

Impact in continental Europe



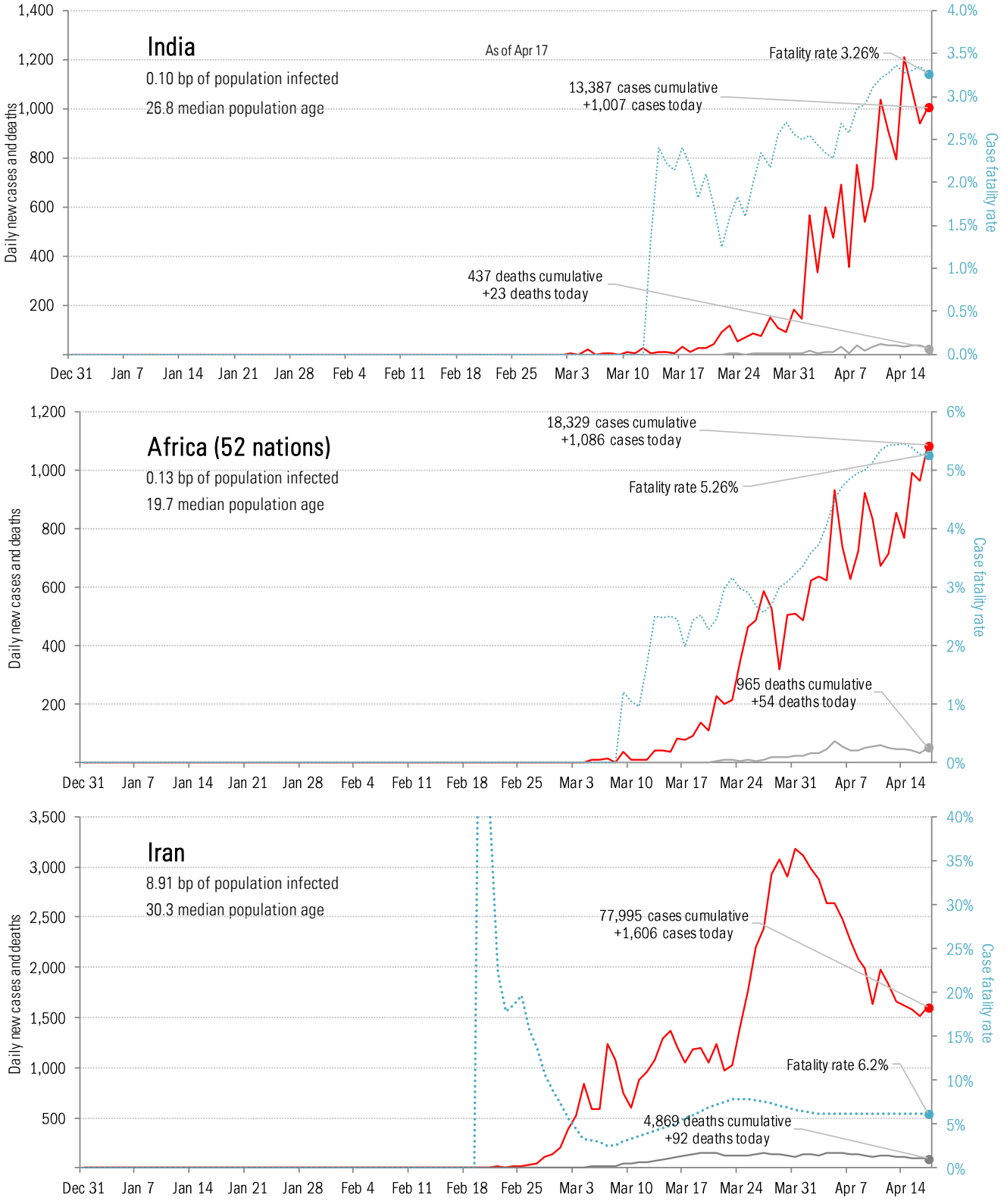
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



Source: ECDC, TrendMacro calculations

Impact in the fragile emerging world



Source: ECDC, TrendMacro calculations