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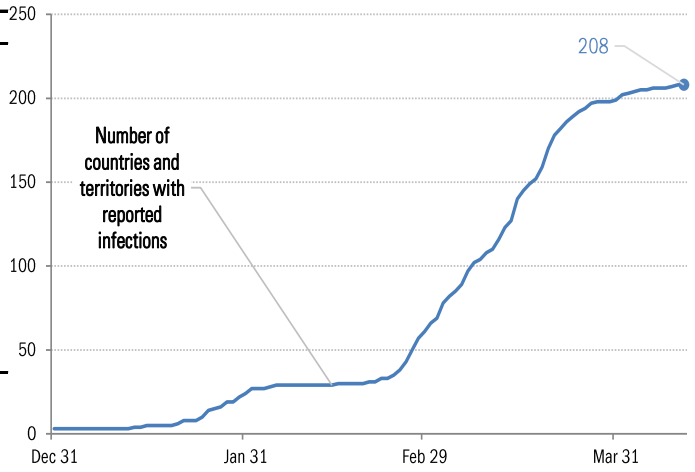
Data Insights: Covid-2019 Monitor

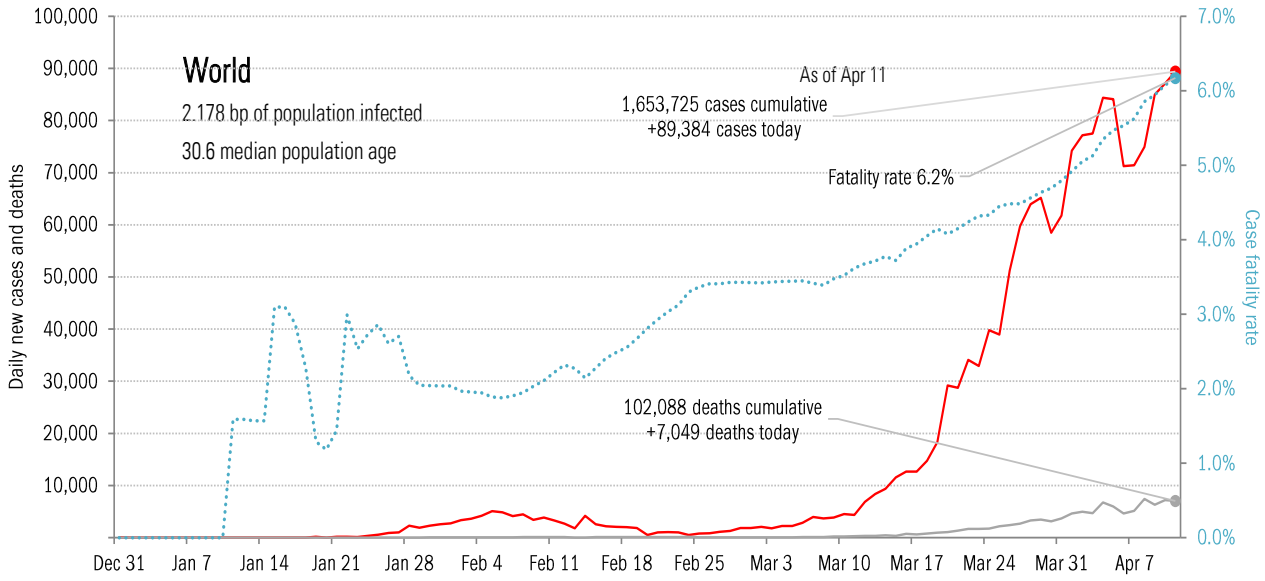
Saturday, April 11, 2020

The global scorecard

The worst ten countries

New infections		New Deaths	
US	+35,527	US	+2,087
UK	+5,195	France	+987
Turkey	+4,747	UK	+980
Spain	+4,576	Spain	+605
France	+4,342	Italy	+570
Germany	+4,133	Belgium	+496
Italy	+3,951	Germany	+171
Ecuador	+2,196	Iran	+122
Iran	+1,972	Brazil	+115
Russia	+1,786	Netherlands	+115
	+68,425		+6,248
World	+89,384	World	+7,049
Top ten	77%	Top ten	89%





Source: ECDC, TrendMacro calculations

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The US scorecard

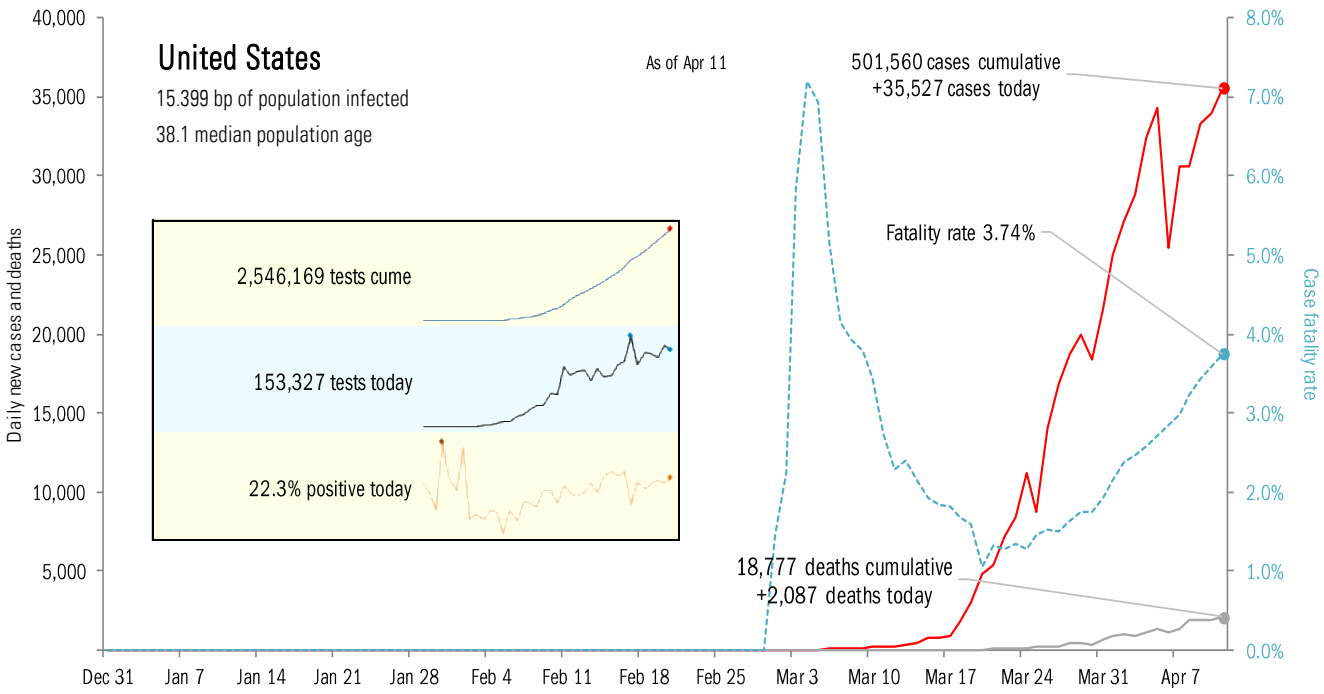
National and state-by-state data do not line up because of different sources

The ten worst US states

New infections		New Deaths		New in hospital		Cume infections		Cume deaths		Cume in hospital	
NY	+10,575	NY	+777	KY	+459	NY	170,512	NY	7,844	NY	33,159
NJ	+3,561	NJ	+232	NY	+290	NJ	54,588	NJ	1,932	FL	2,487
MA	+2,033	MI	+205	SC	+255	MI	22,783	MI	1,281	GA	2,351
PA	+1,751	MA	+96	FL	+219	MA	20,974	LA	755	MA	1,956
IL	+1,465	PA	+78	MA	+209	PA	19,979	MA	599	OH	1,755
TX	+1,441	CT	+68	GA	+192	CA	19,472	IL	596	MD	1,413
MI	+1,279	IL	+68	CO	+150	LA	19,253	CA	541	CO	1,312
FL	+1,167	CO	+57	OH	+143	IL	17,887	CT	448	WI	904
CA	+1,163	IN	+55	VA	+87	FL	17,531	WA	446	VA	772
LA	+970	LA	+53	MD	+65	TX	11,671	GA	416	TN	536
	+25,405		+1,689		+2,069		374,650		14,858		46,645
All states	+34,204	All states	+2,064	All states	+2,339	All states	492,678	All states	18,488	All states	50,683
Top ten	74%	Top ten	82%	Top ten	88%	Top ten	76%	Top ten	80%	Top ten	92%

Five most improved US states

Fewer daily infections		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CT	-1,249	CT	-35	MD	-73	NJ	+682
LA	-283	NY	-22	KS	-29	KY	+464
PA	-238	VA	-22	TN	-25	TX	+265
AL	-201	OR	-11	OK	-12	TN	+224
AZ	-198	TN	-11	ID	-6	HI	+138



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

Recommended reading

[Apple, Google to Turn Smartphones Into Coronavirus Tracking Devices]
Tripp Mickle, Rob Copeland and Sam Schechner
Wall Street Journal
April 10, 2020

[Covid vs. US Daily Average Cause of Death]
Robert Martin
Flourish Studios
April 8, 2020

[Further study on Azithromycin and Hydroxychloroquine]
IHU Méditerranée Infection
April 10, 2020

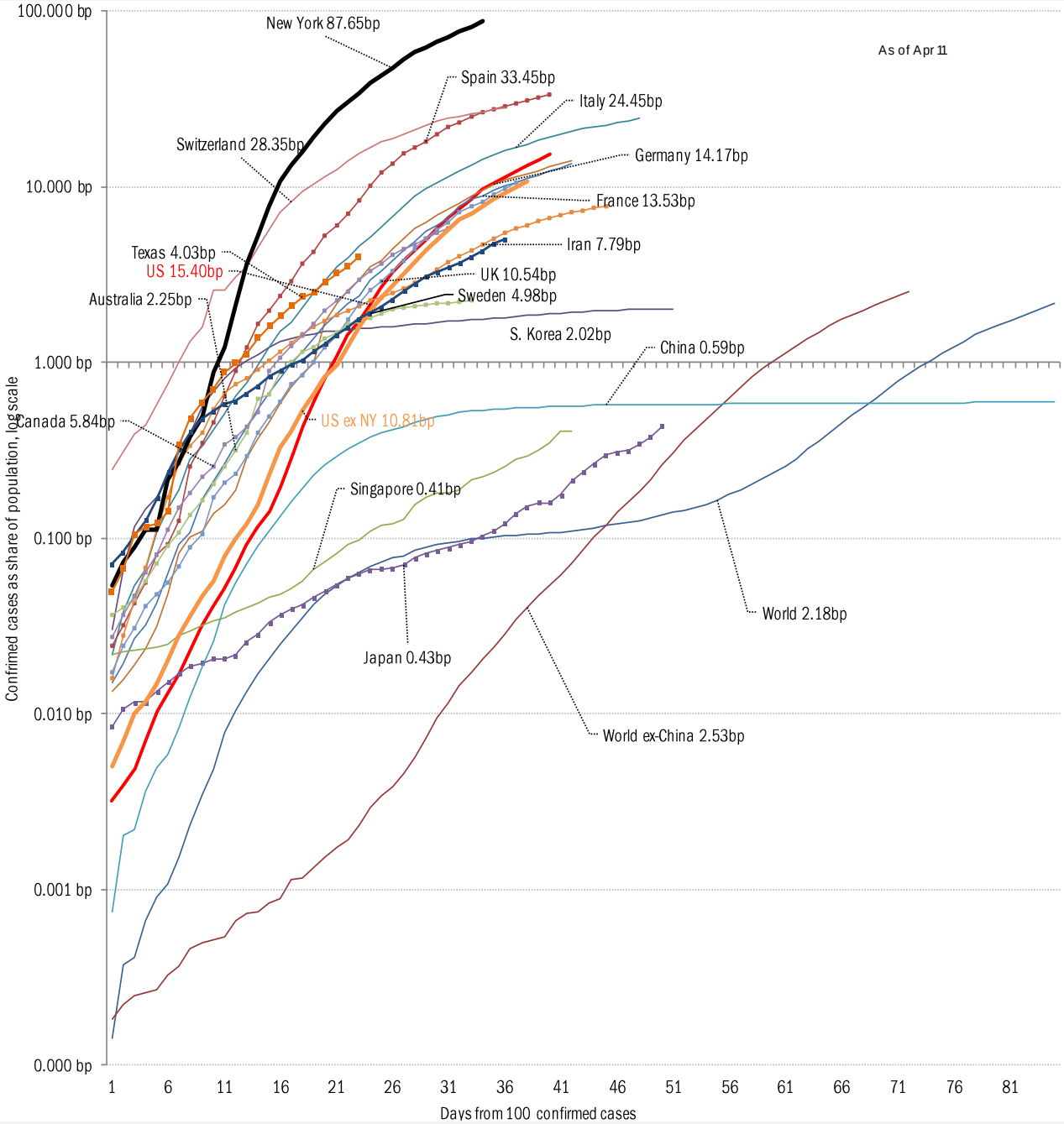
[Population-level COVID-19 mortality risk for non-elderly individuals overall and for nonelderly individuals without underlying diseases in pandemic epicenters]
John P.A. Ioannidis et al.
medRvix
April 5, 2020

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

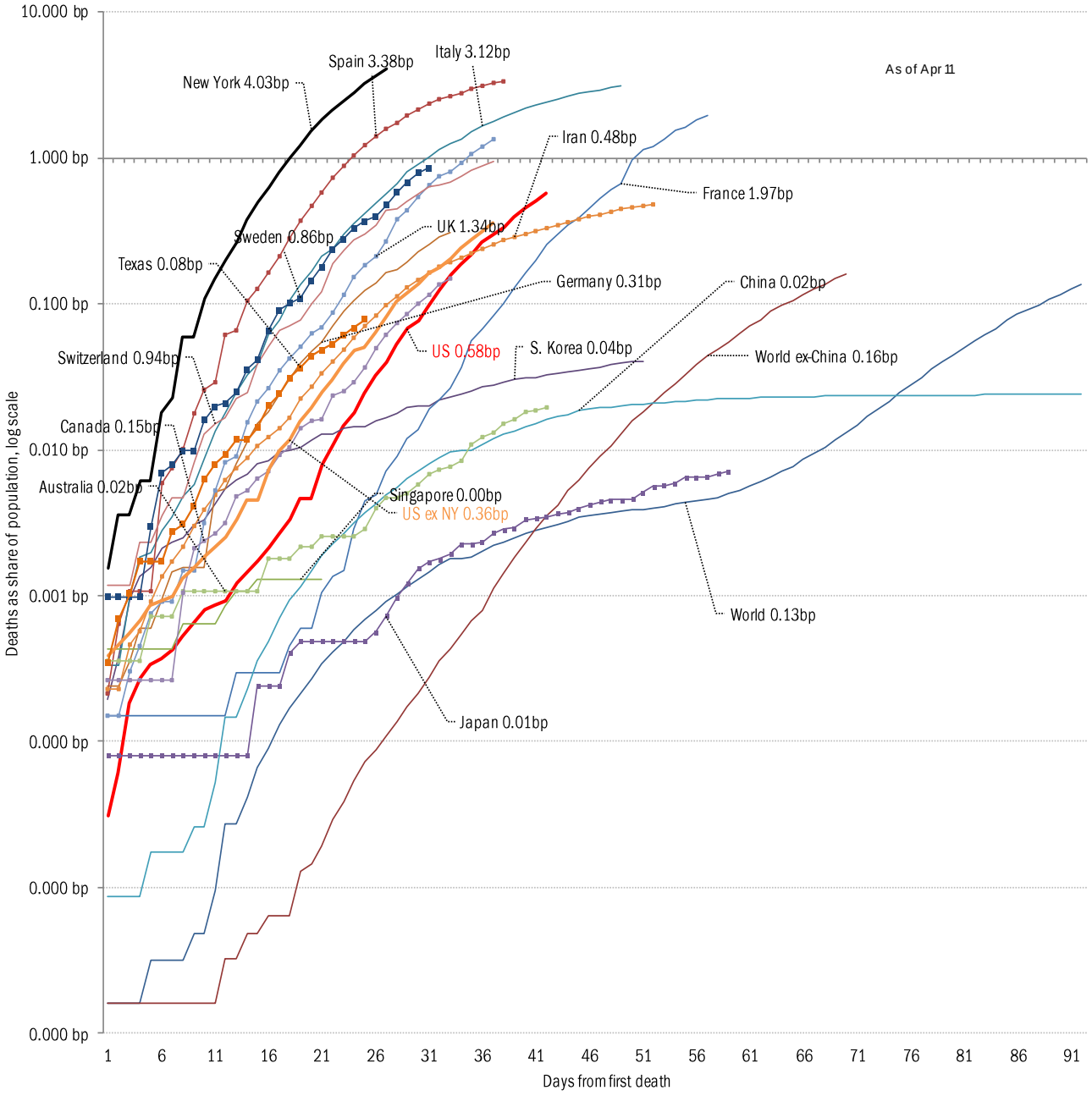
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality



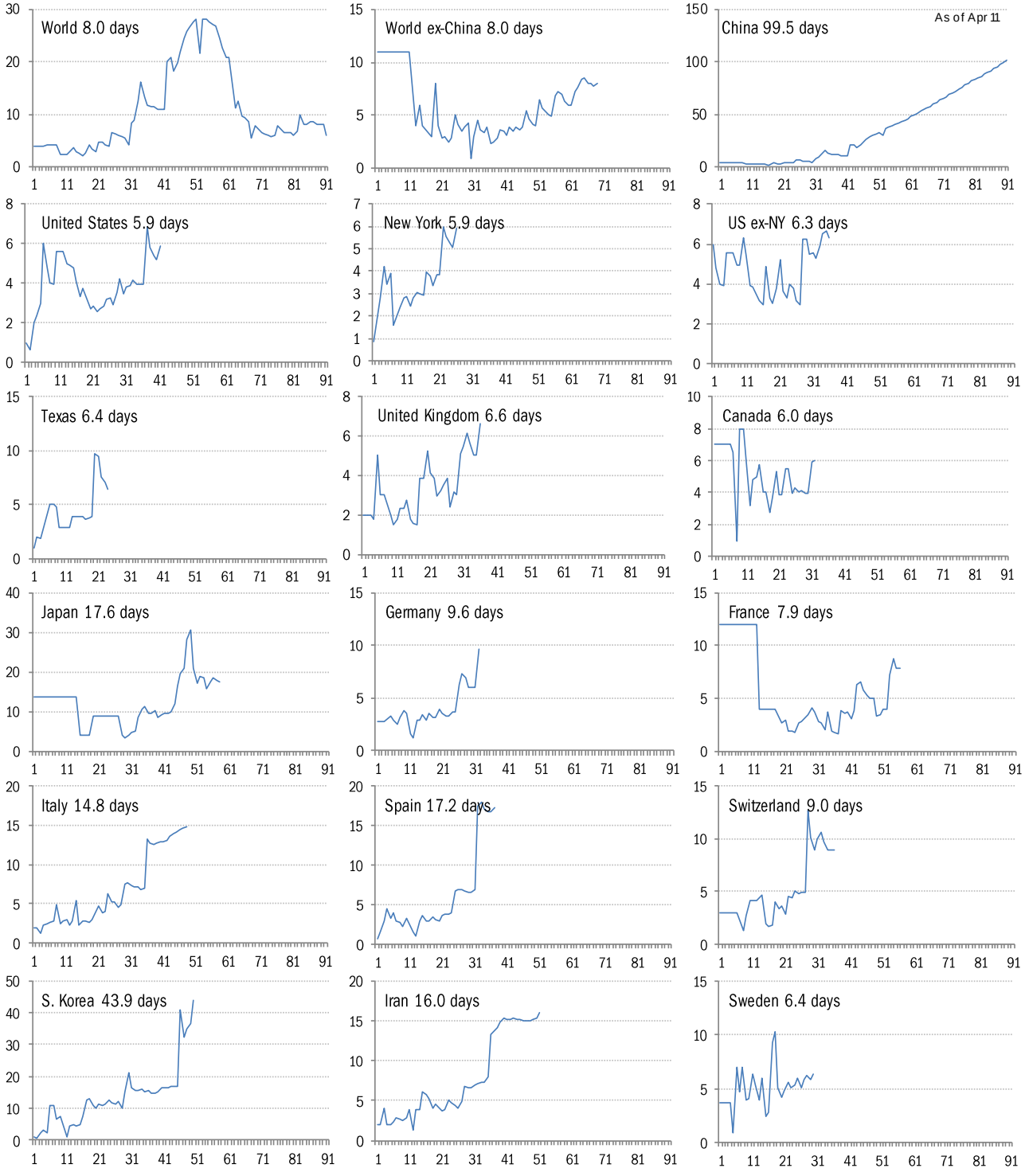
Source: ECDC, TrendMacro calculations

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

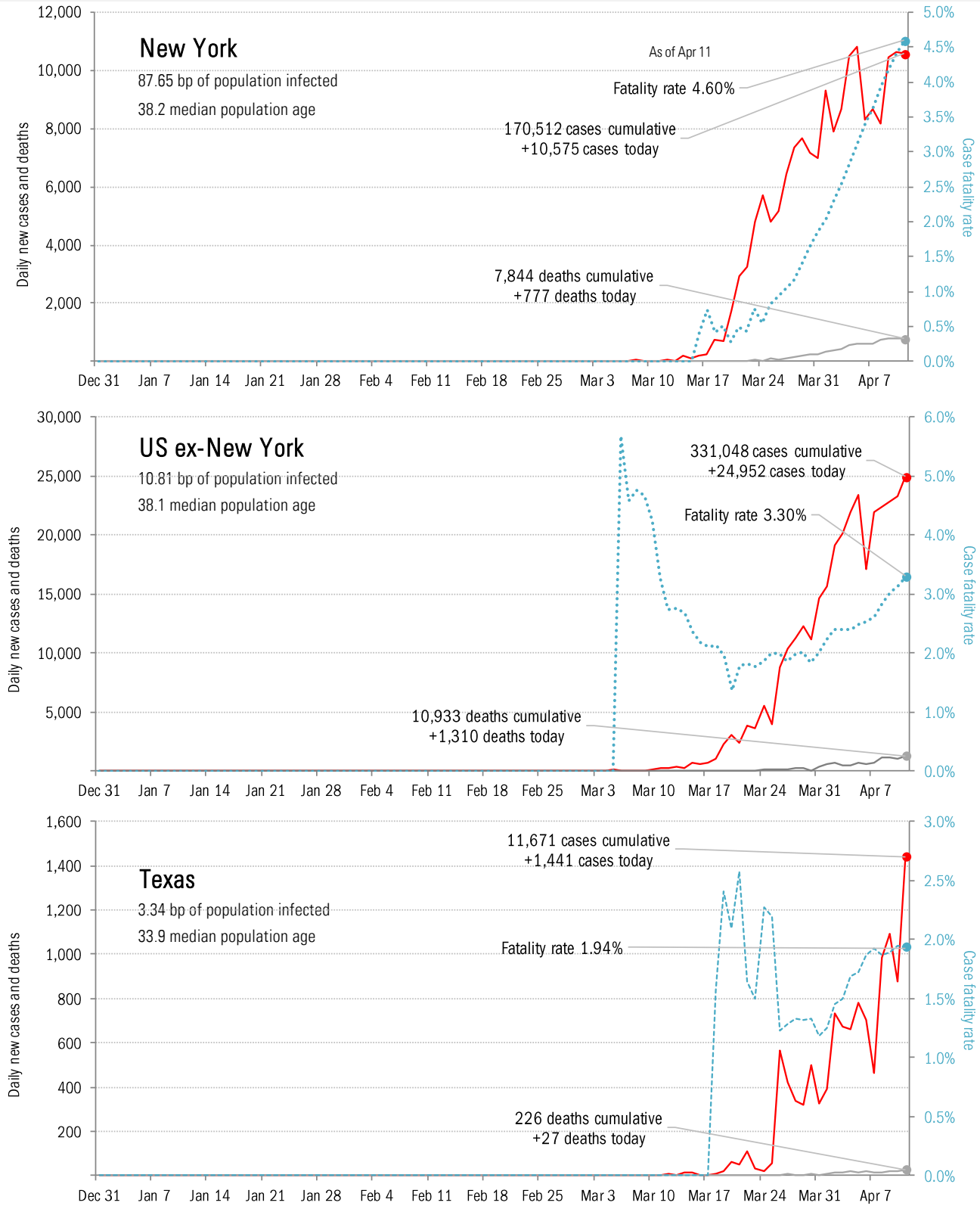
Progress means seeing the line move up and to the right…

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



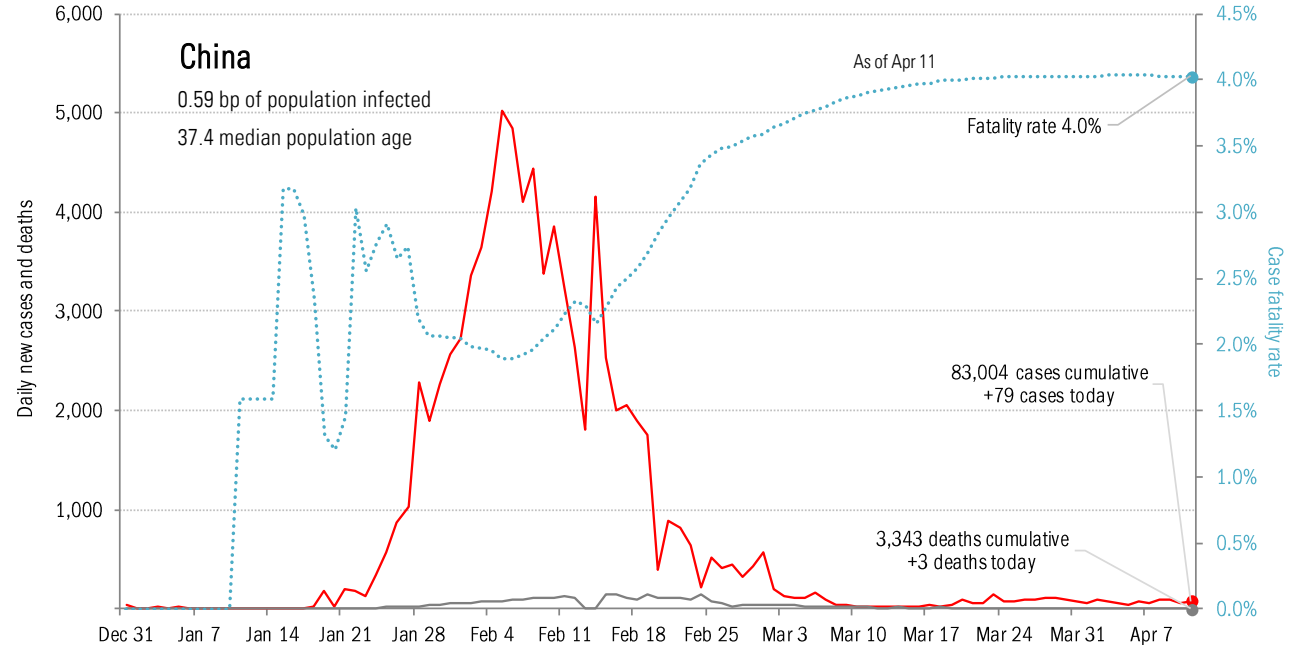
Source: ECDC, TrendMacro calculations

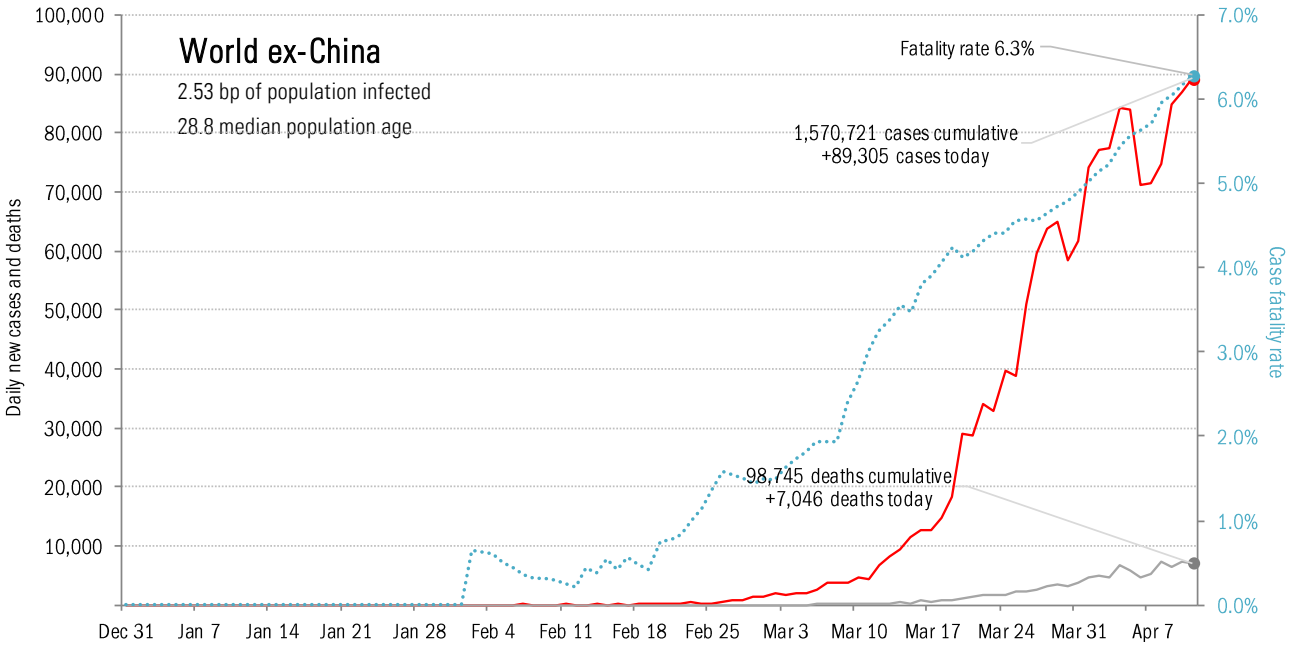
From Ground Zero to the Rio Grande



Source: ECDC, TrendMacro calculations

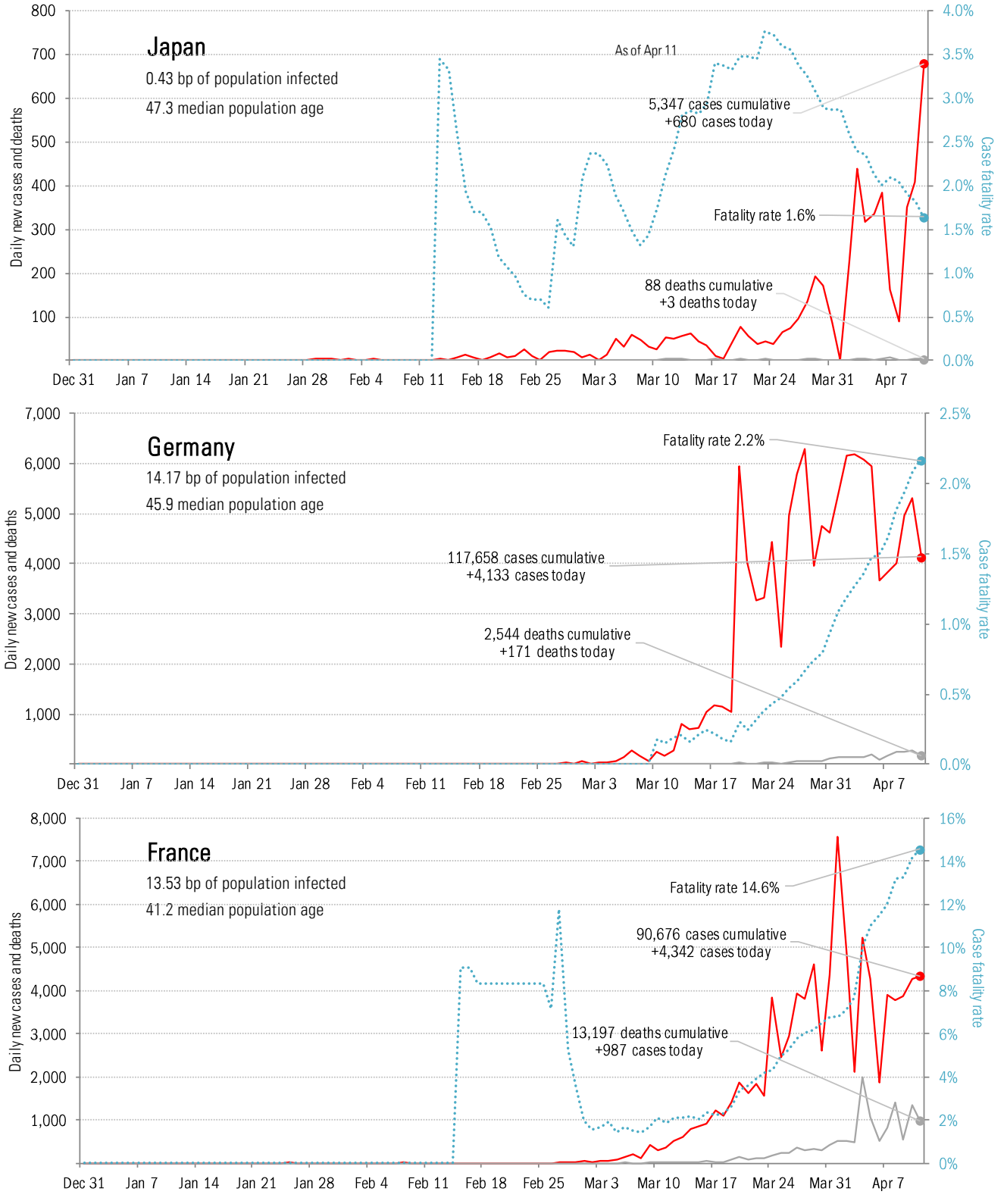
Patient zero… and then everyone else





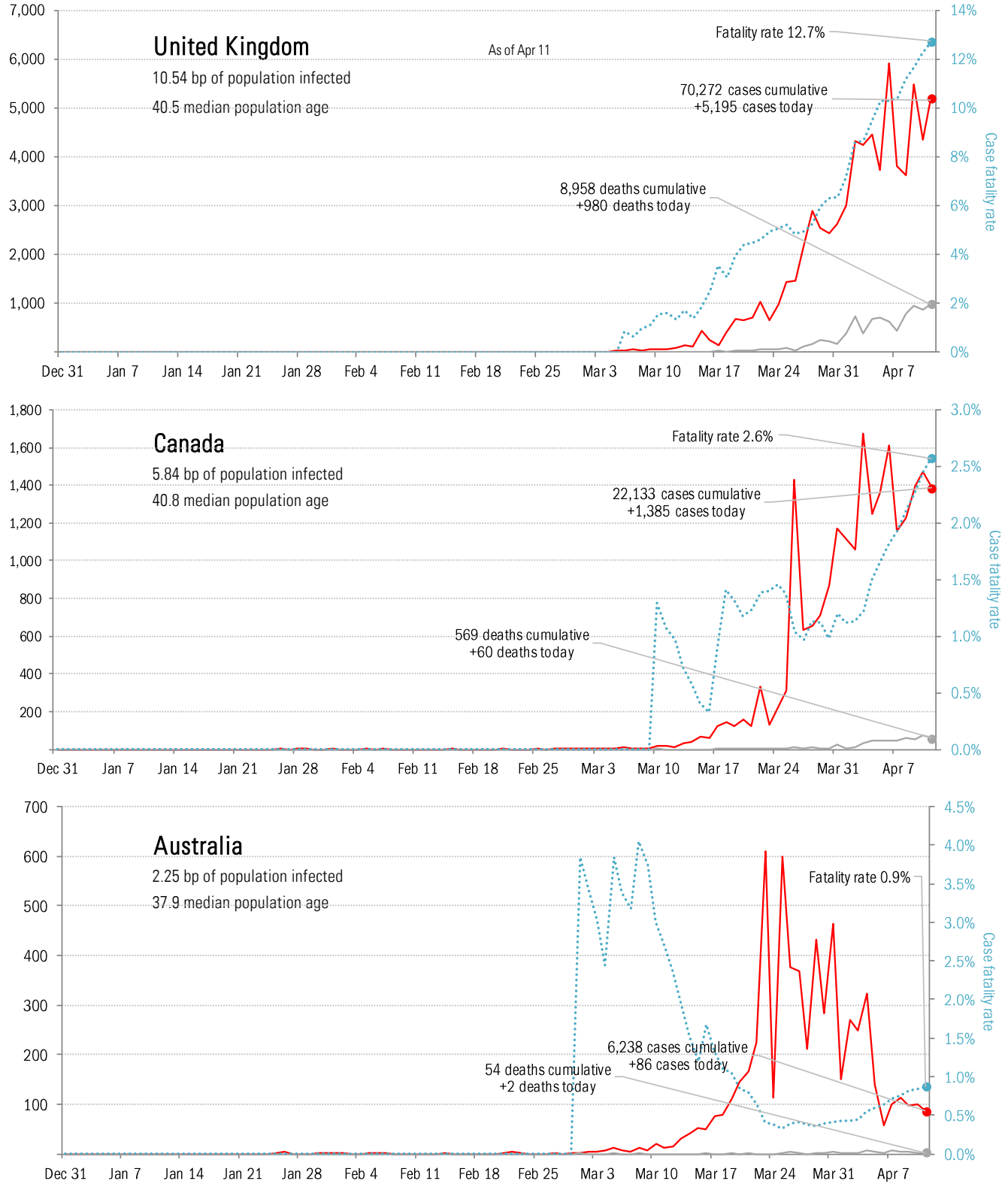
Source: ECDC, TrendMacro calculations

Impact in the largest economies



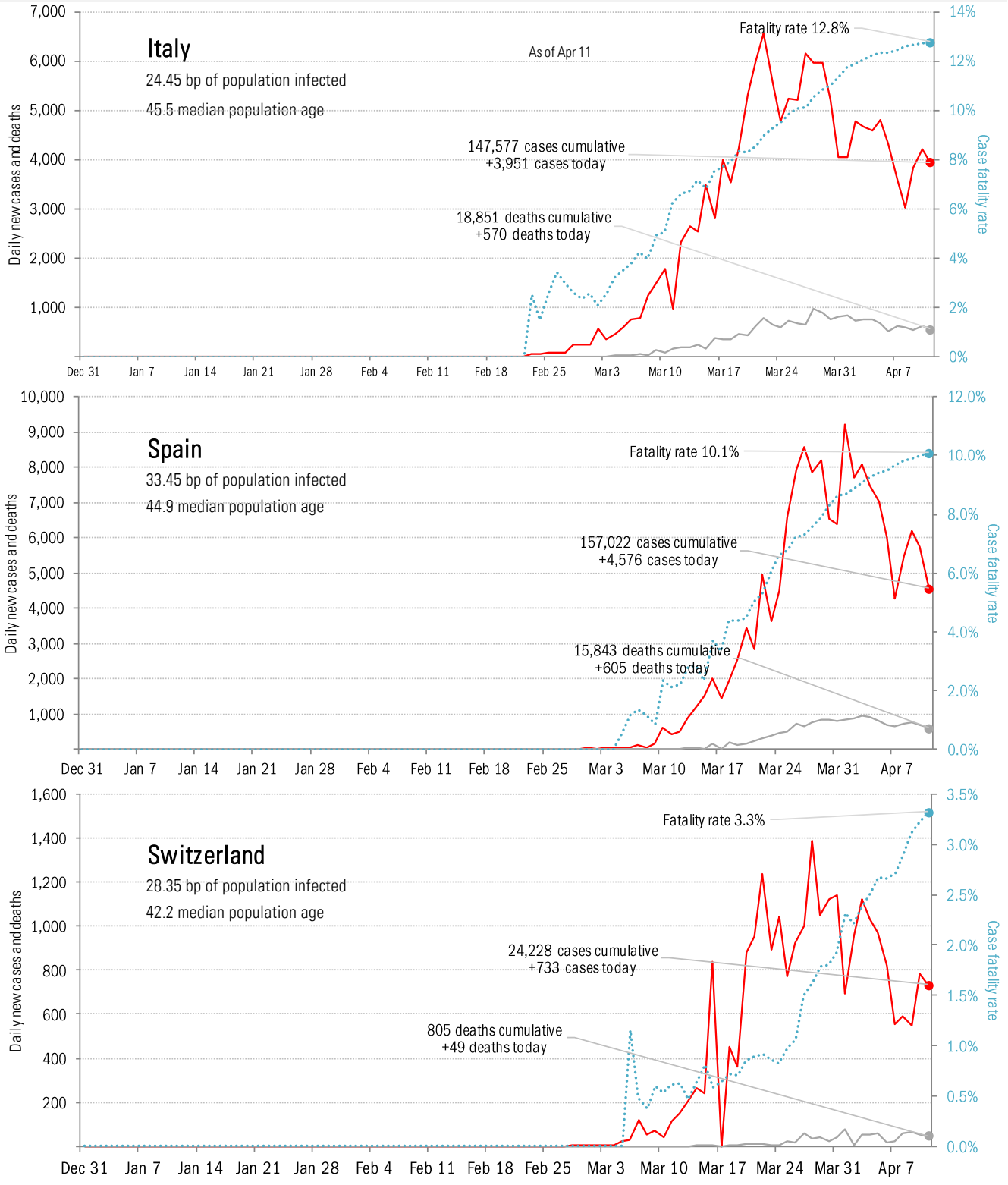
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



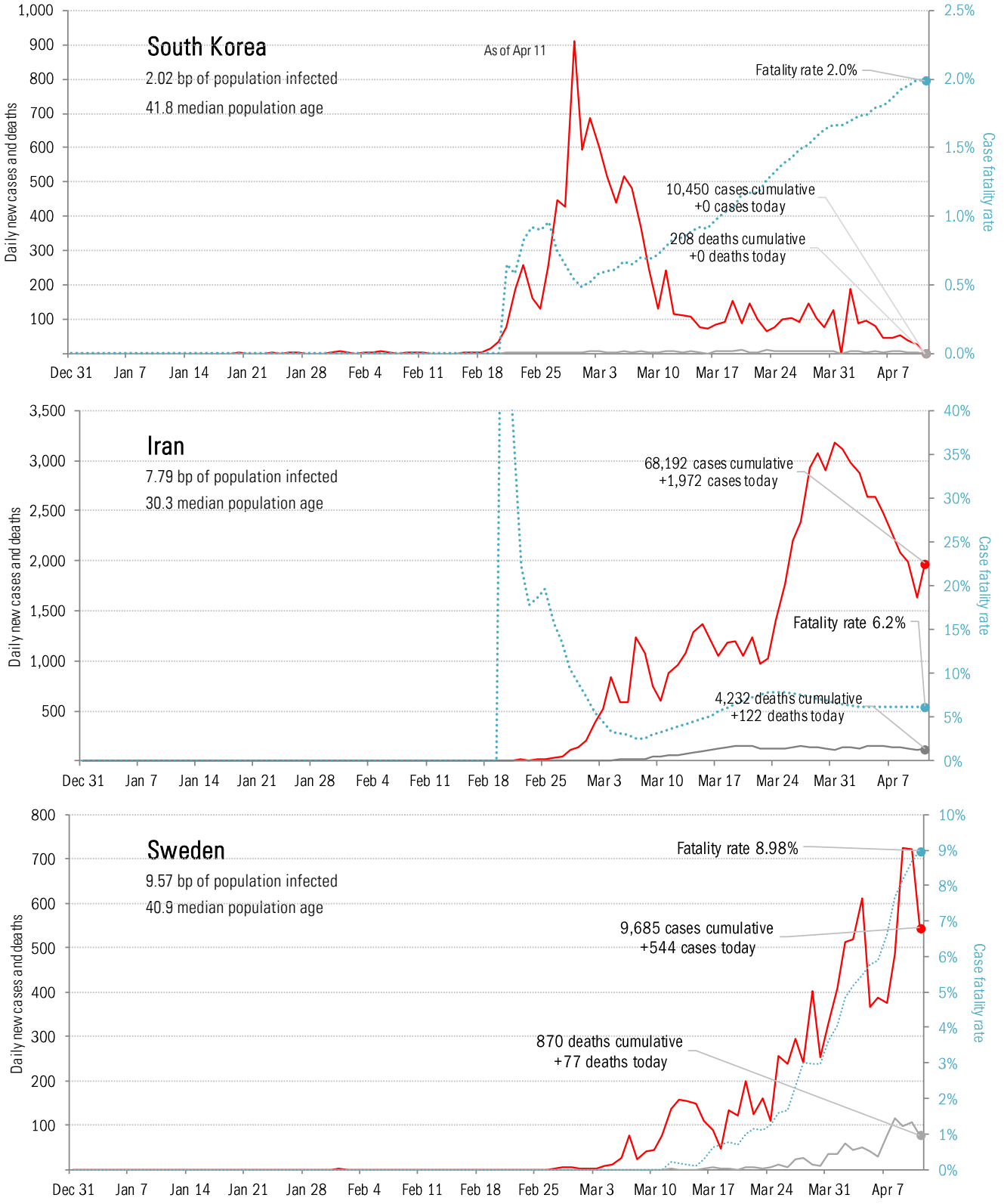
Source: ECDC, TrendMacro calculations

Impact in continental Europe



Source: ECDC, TrendMacro calculations

Impact in other hot-spots



Source: ECDC, TrendMacro calculations