

Data Insights: Covid-2019 Monitor

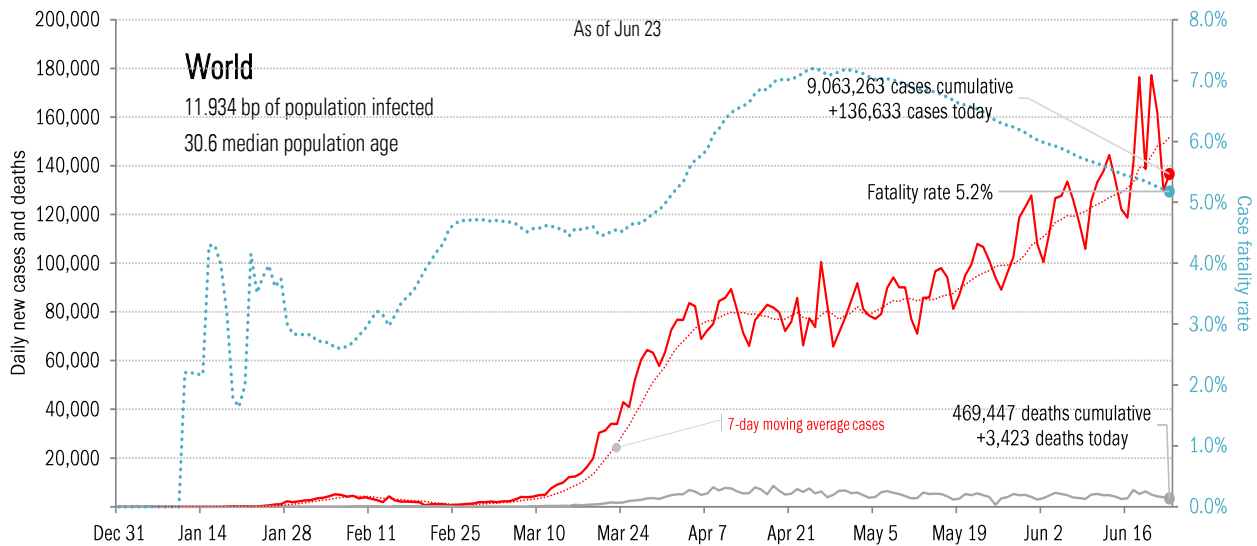
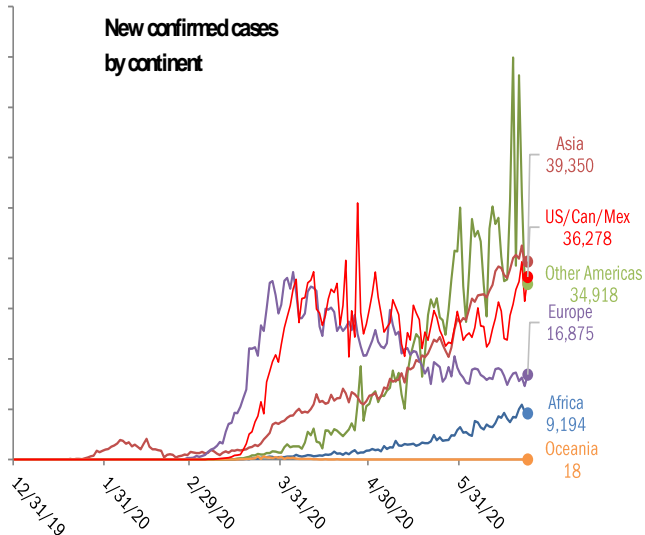
Tuesday, June 23, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+31,390	Mexico	+759
Brazil	+21,432	Brazil	+654
India	+14,933	US	+427
Russia	+7,600	India	+312
Chile	+4,608	Iran	+119
Mexico	+4,577	Pakistan	+105
South_Africa	+4,288	Russia	+95
Pakistan	+3,946	Egypt	+85
Bangladesh	+3,480	Colombia	+73
Saudi	+3,393	Sweden	+69
+99,647		+2,698	
World	+136,633	World	+3,423
Top ten	73%	Top ten	79%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

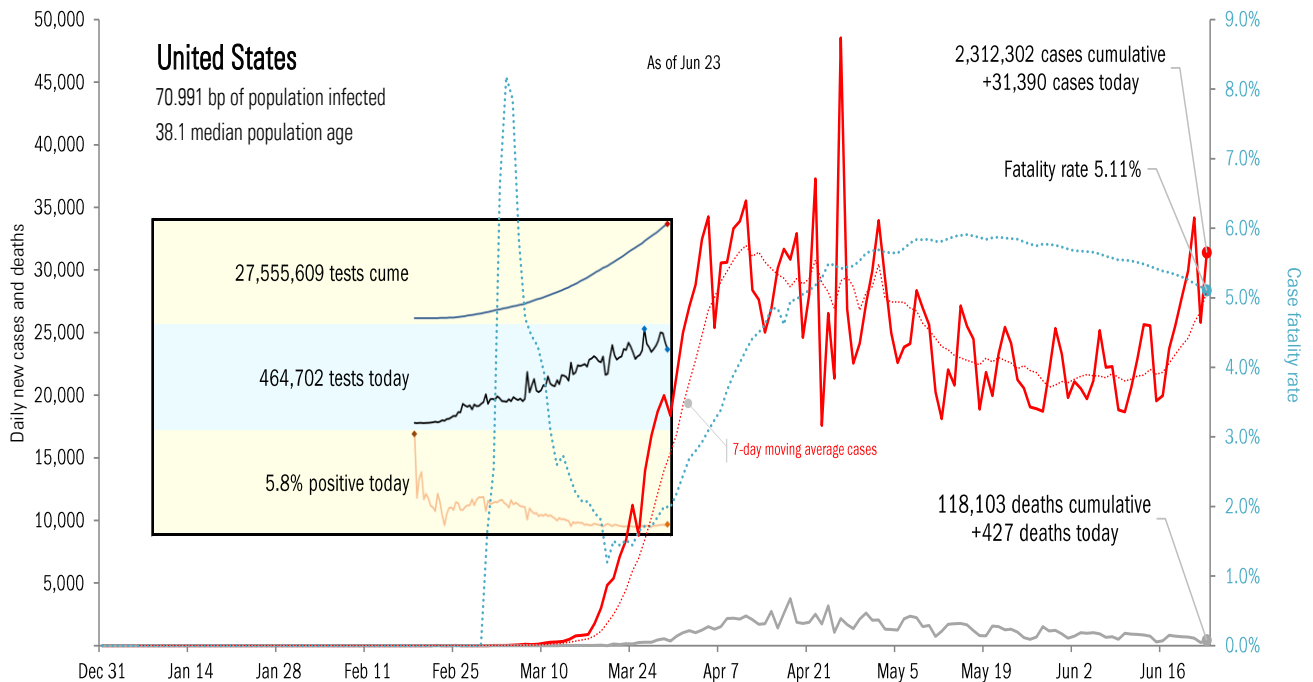
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cure cases		Cure deaths		Cure in hospital	
CA	+4,230	MS	+40	NJ	+134	NY	388,488	NY	24,739	NY	89,995
TX	+3,280	NJ	+25	GA	+116	CA	178,054	NJ	12,895	NJ	19,401
FL	+2,926	IL	+24	MS	+114	NJ	169,415	MA	7,874	FL	13,407
AZ	+2,196	CA	+20	FL	+82	IL	138,224	IL	6,875	MA	11,094
MS	+1,646	MA	+16	CH	+50	TX	114,881	PA	6,426	MD	10,572
GA	+1,227	NY	+14	MN	+33	MA	107,210	MI	6,097	CT	10,099
SC	+1,008	IN	+13	IN	+31	FL	100,217	CA	5,515	GA	9,953
AR	+941	FL	+12	MD	+28	PA	82,186	CT	4,263	VA	8,511
NC	+804	LA	+12	RI	+28	MI	67,957	FL	3,266	CH	7,292
CH	+729	TX	+10	OK	+25	GA	65,928	LA	3,117	IN	6,819
+18,987		+186		+641		1,412,560		81,067		187,143	
All states	+27,036	All states	+284	All states	+824	All states	2,297,383	All states	114,034	All states	233,099
Top ten	70%	Top ten	65%	Top ten	78%	Top ten	61%	Top ten	71%	Top ten	80%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
NC	-608	CA	-51	AR	-40	NC	+7,702
TX	-586	MA	-14	VA	-20	LA	+2,775
FL	-568	TX	-7	MD	-19	MS	+1,919
AZ	-396	CT	-6	FL	-16	PA	+1,173
IA	-379	MD	-6	TN	-15	AR	+711



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

Recommended reading

[Governor says "closing down Texas again will always be the last option" as coronavirus cases surge](#)

Caroline Linton
CBS News
June 22, 2020

['Dramatic decline' in average age of Florida coronavirus patients, Gov. Ron DeSantis says](#)

Matt Papaycik
WPTV
June 25, 2020

[Germany's Virus Infection Rate Jumps on Slaughterhouse Outbreak](#)

Mariajose Vera
Bloomberg
June 22, 2020

[The Blue State Depression](#)

Jonathan Decker
Committee to Unleash Prosperity
June 22, 2020

[The infection fatality rate of COVID-19 in Stockholm – Technical report](#)

Public Health Agency of Sweden
June 16, 2020

[Coronavirus: Sweden starts to debate its public health experiment](#)

Richard Milne
Financial Times
June 22, 2020

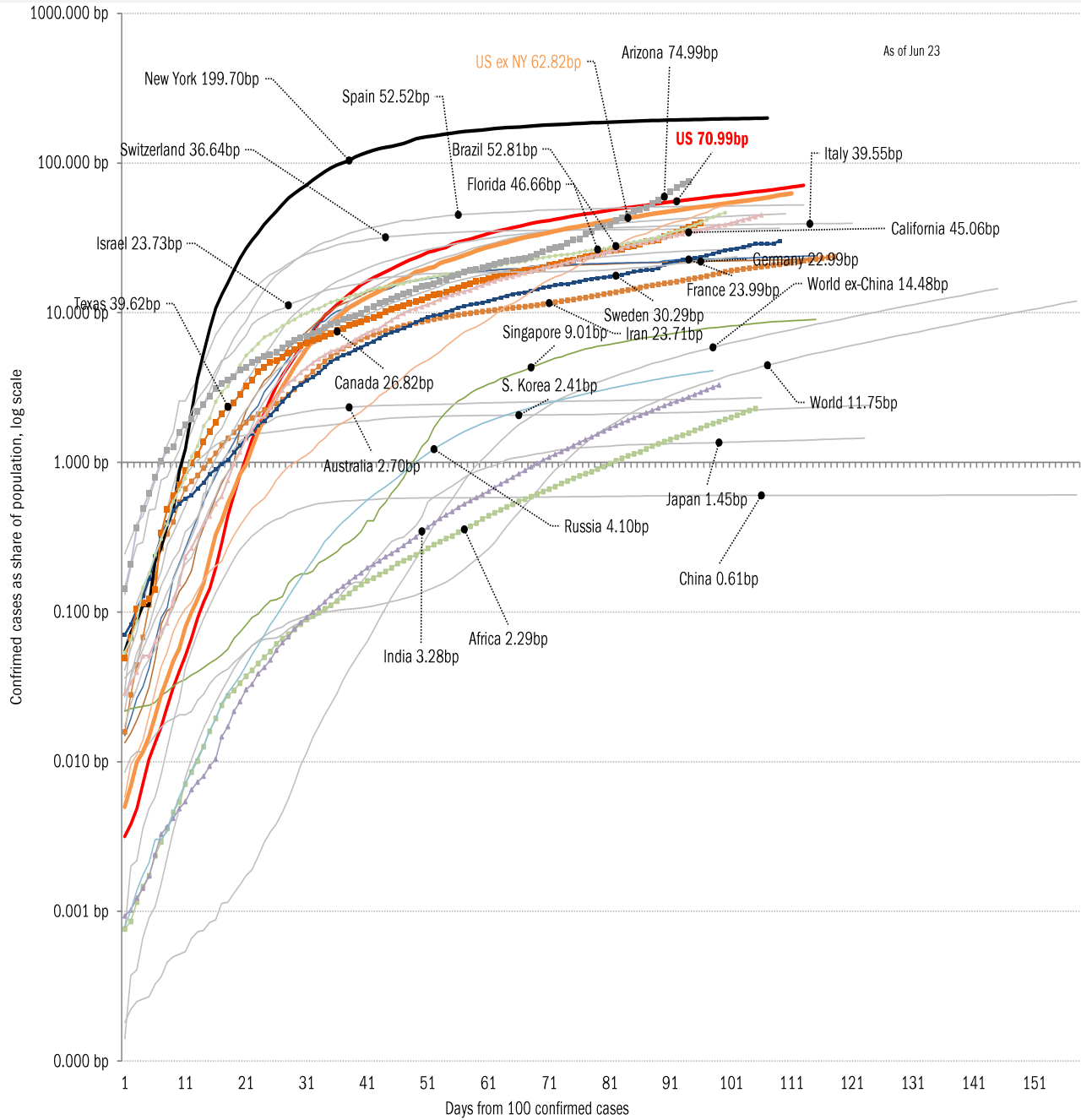
Meme of the day

**I'm not saying she's right,
I'm just saying, I get it.**



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

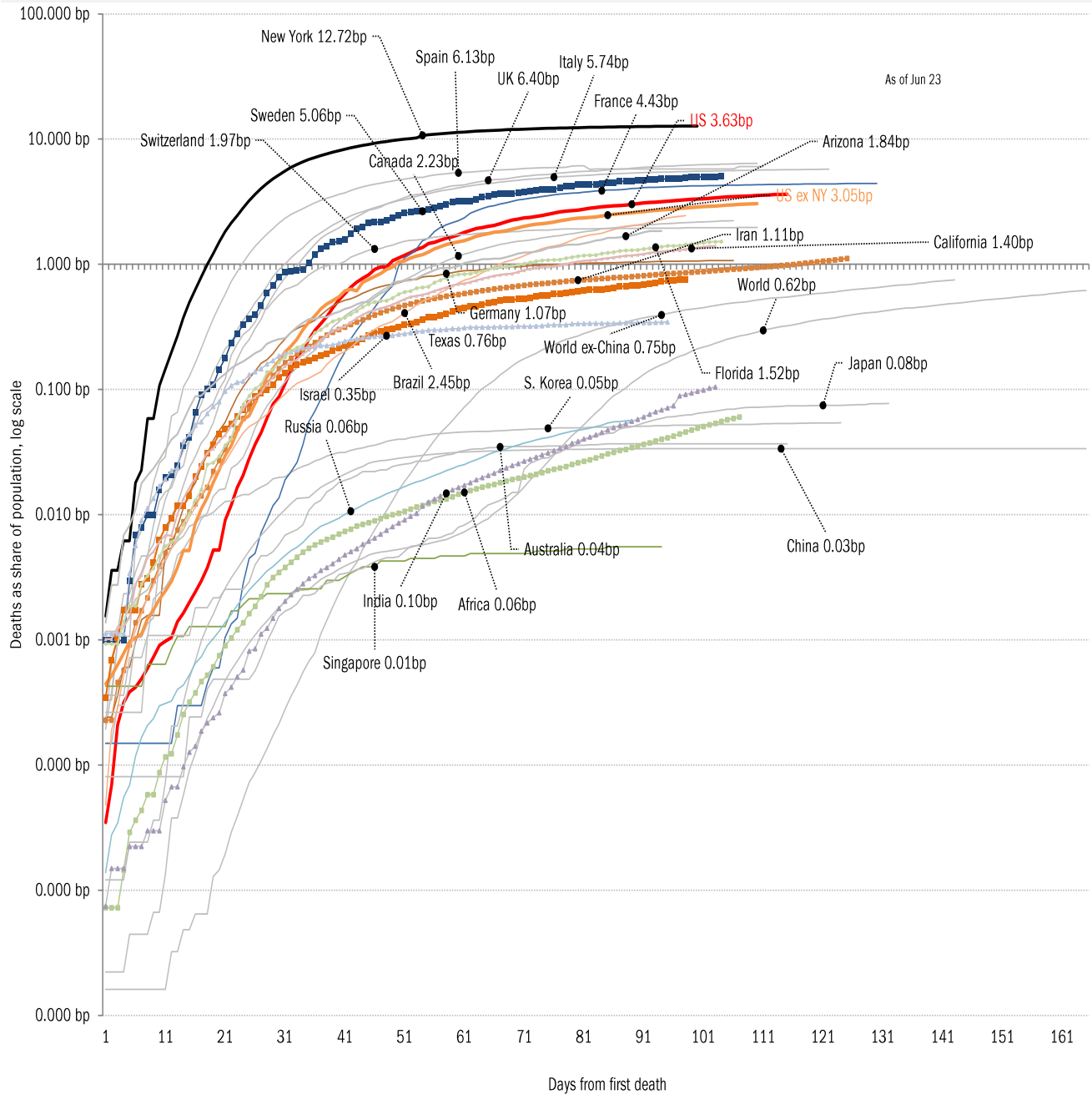
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

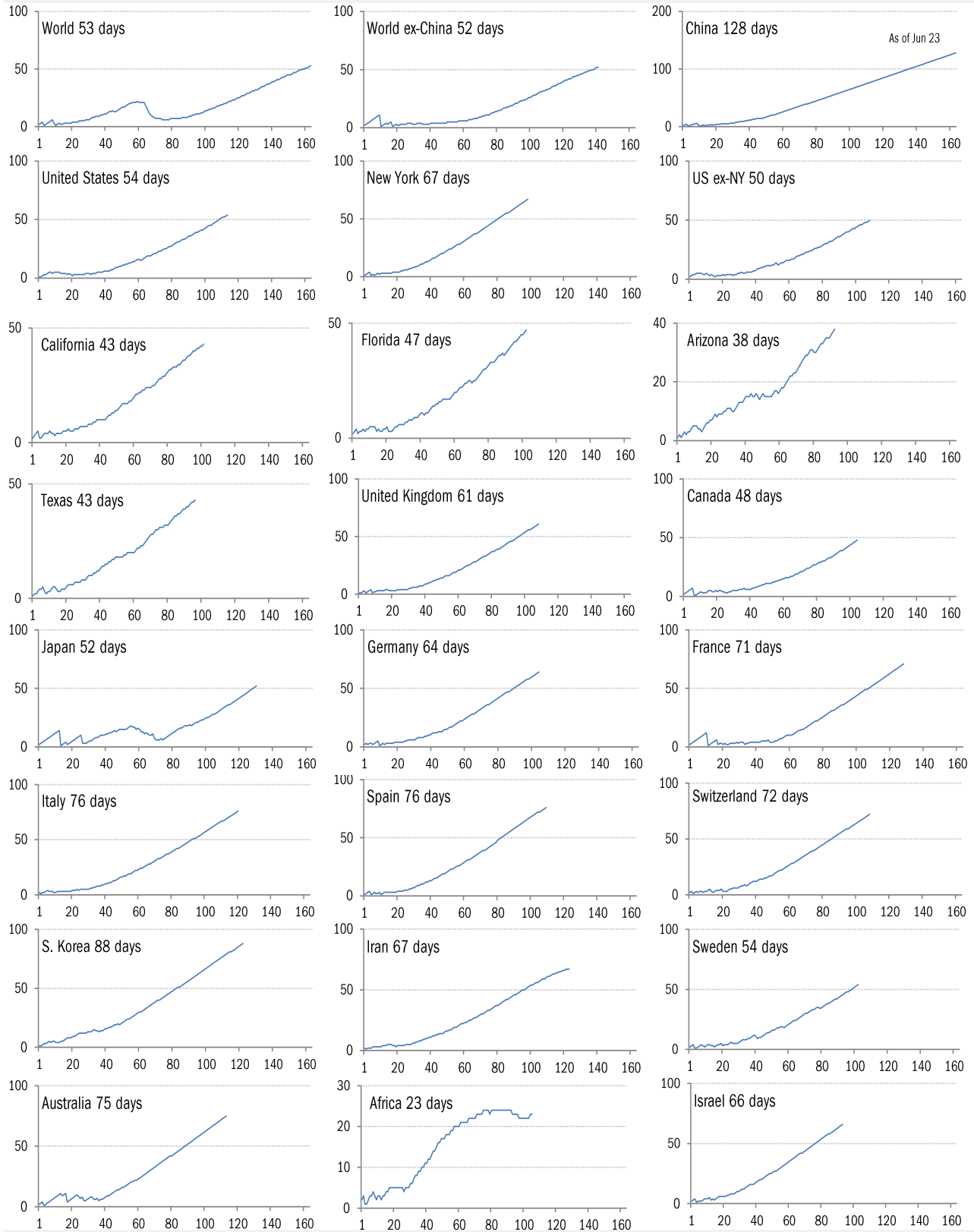
Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

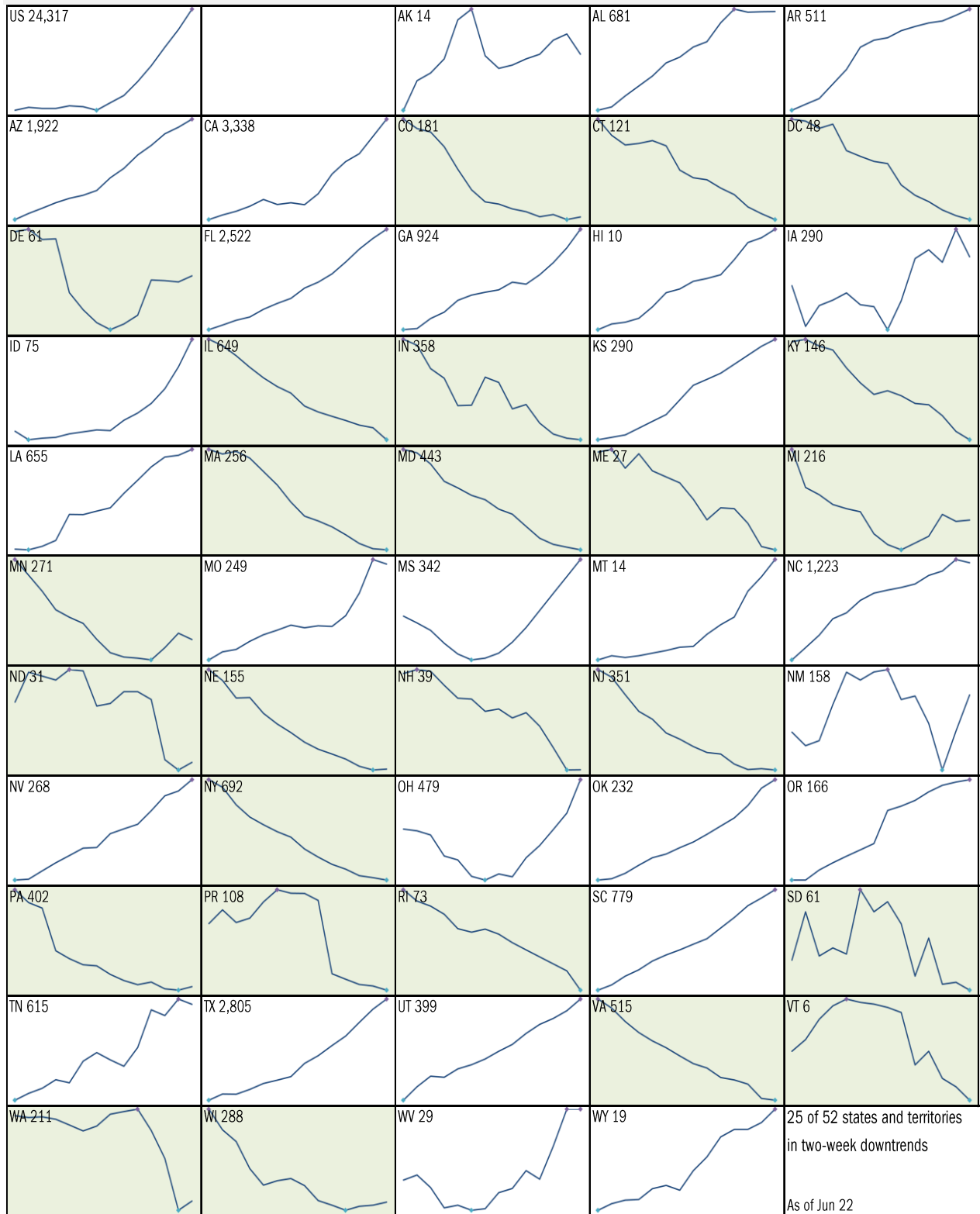
Our most reliable evidence of slowing exponential growth of Covid-2019

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



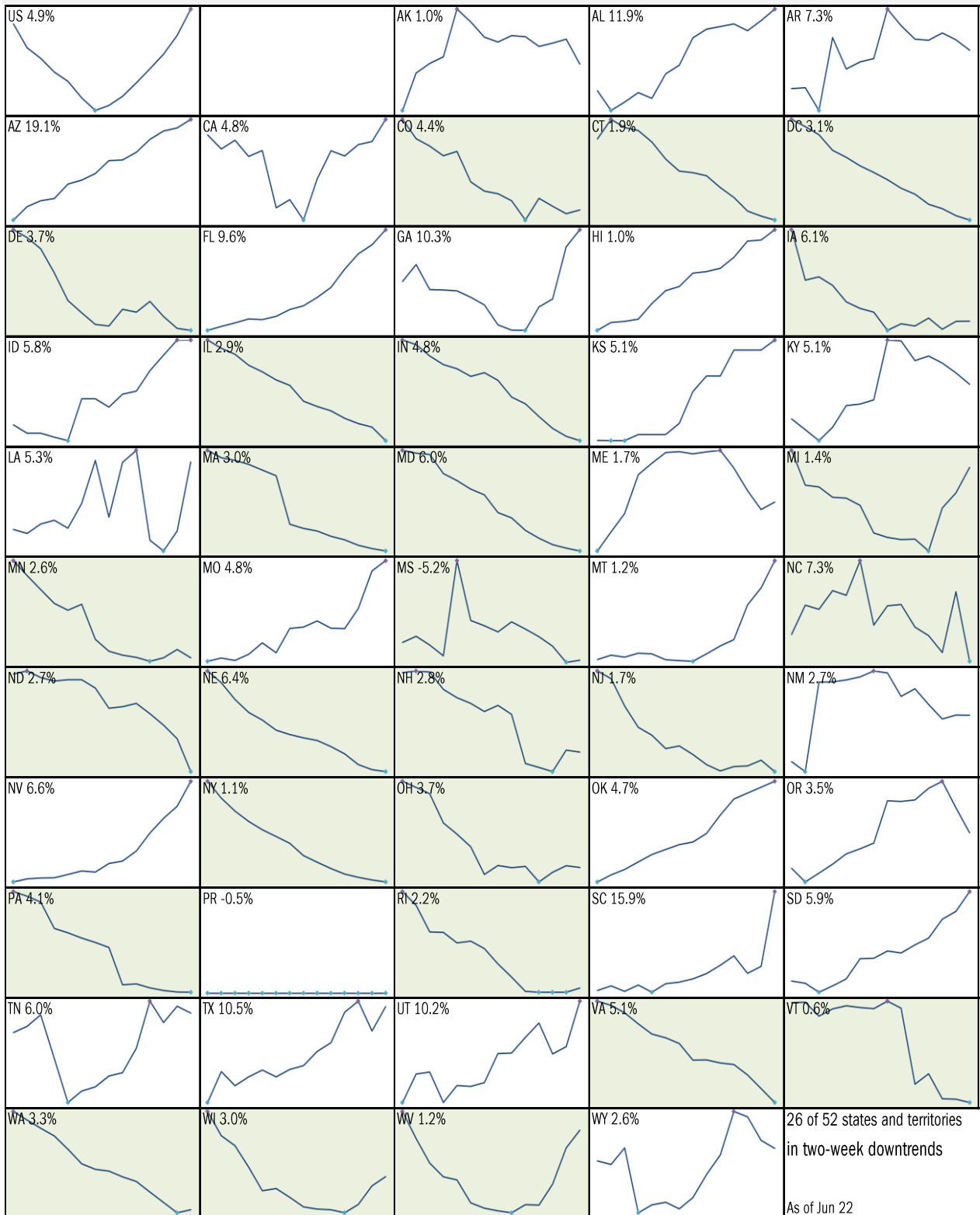
Source: [ECDC](#), TrendMacro calculations

Requirement to [Open Up America Again](#): ■ 14-day “downward trajectory” in new cases
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low



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 ● High ● Low



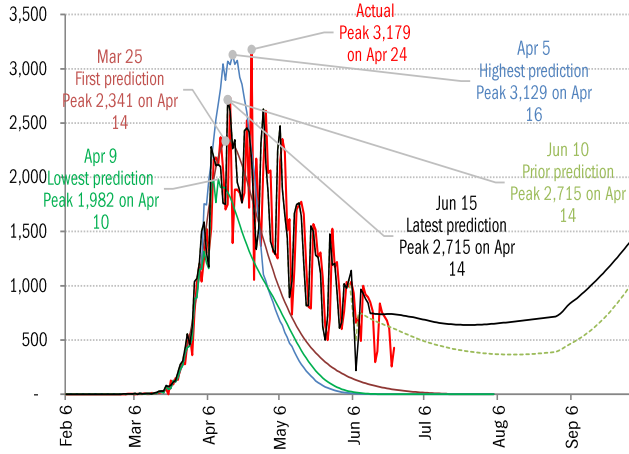
Source: [Covid Tracking Project](#), TrendMacro calculations

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

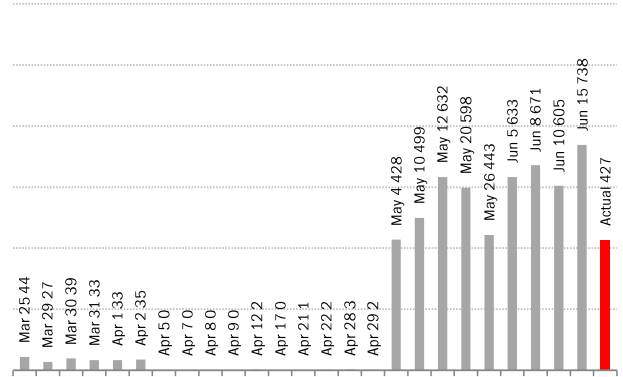
New daily fatalities

As of Jun 23

Actual versus first, highest, lowest and latest model mean predictions

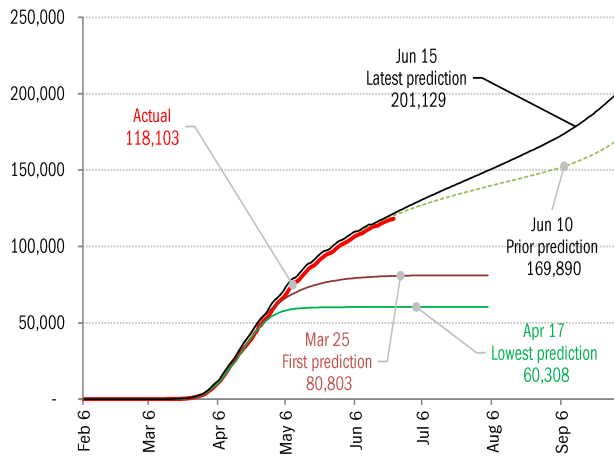


For this day, versus all model mean predictions

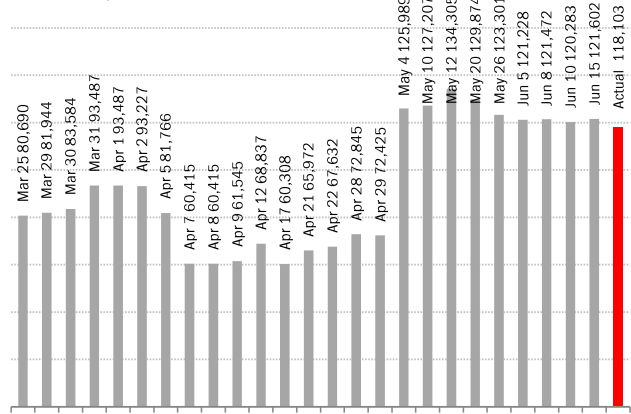


Cumulative fatalities

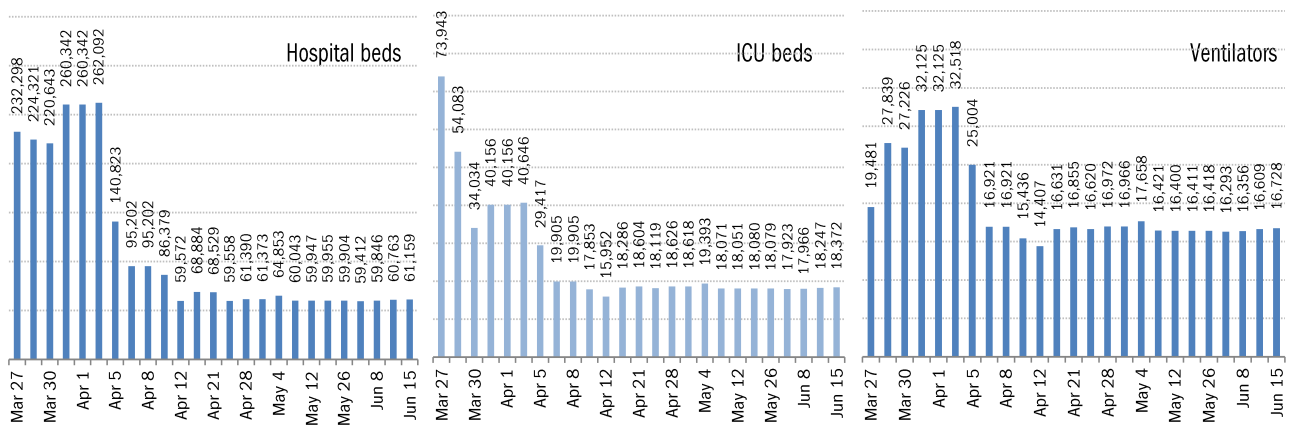
Actual versus first, highest, lowest and latest model mean predictions



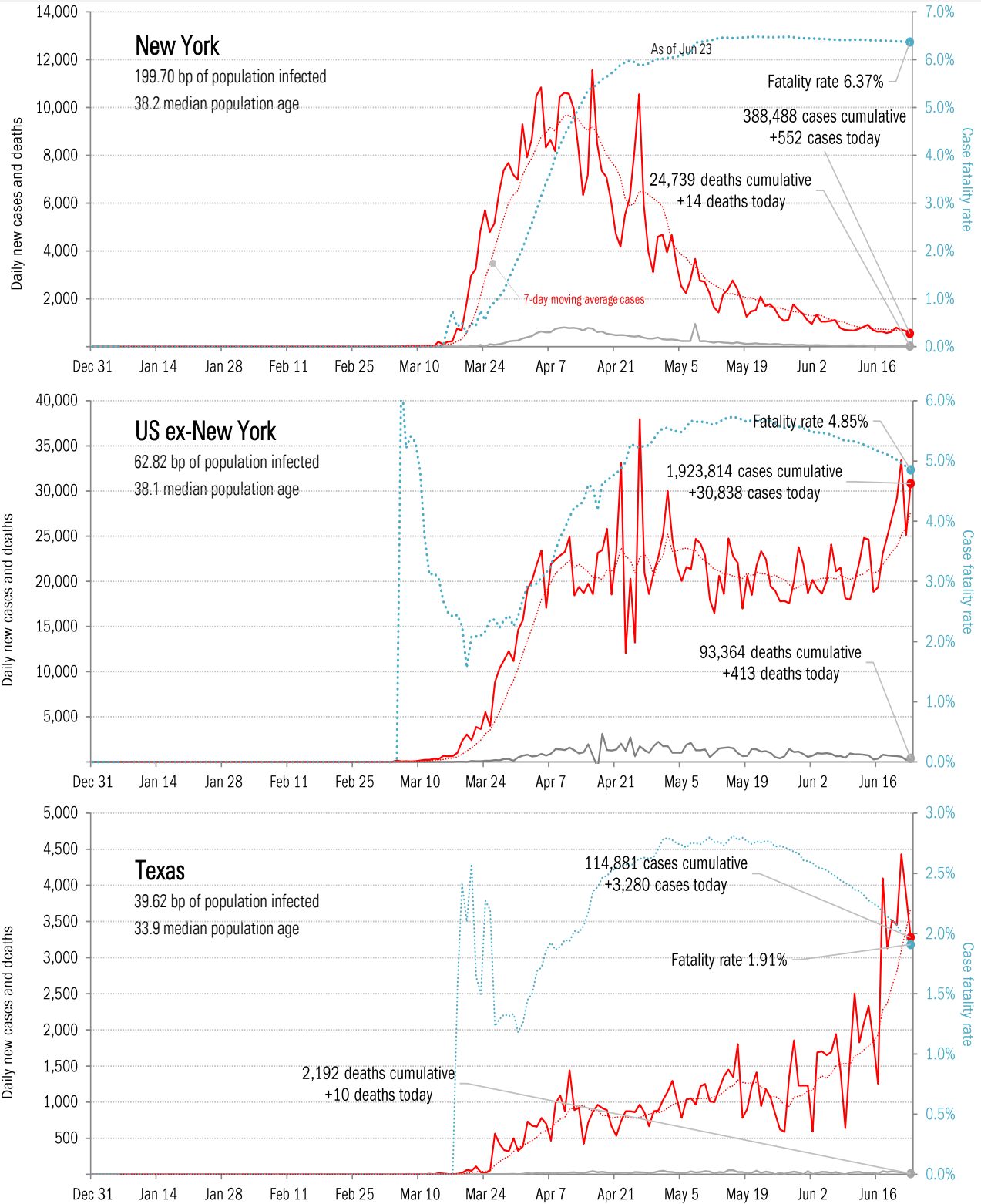
For this day, versus all model mean predictions



Healthcare system stress, peak estimated at each model revision

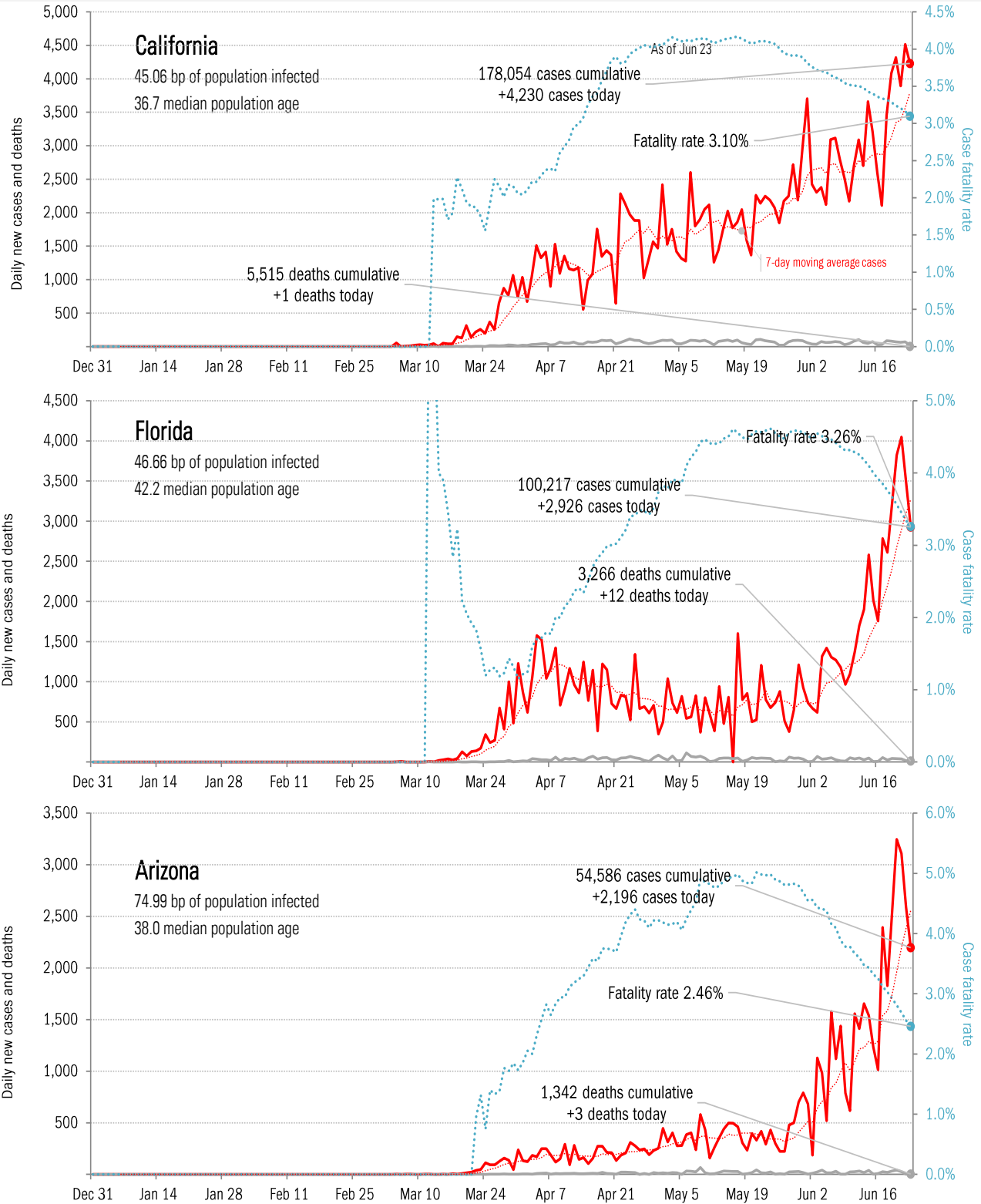


From Ground Zero to the Rio Grande



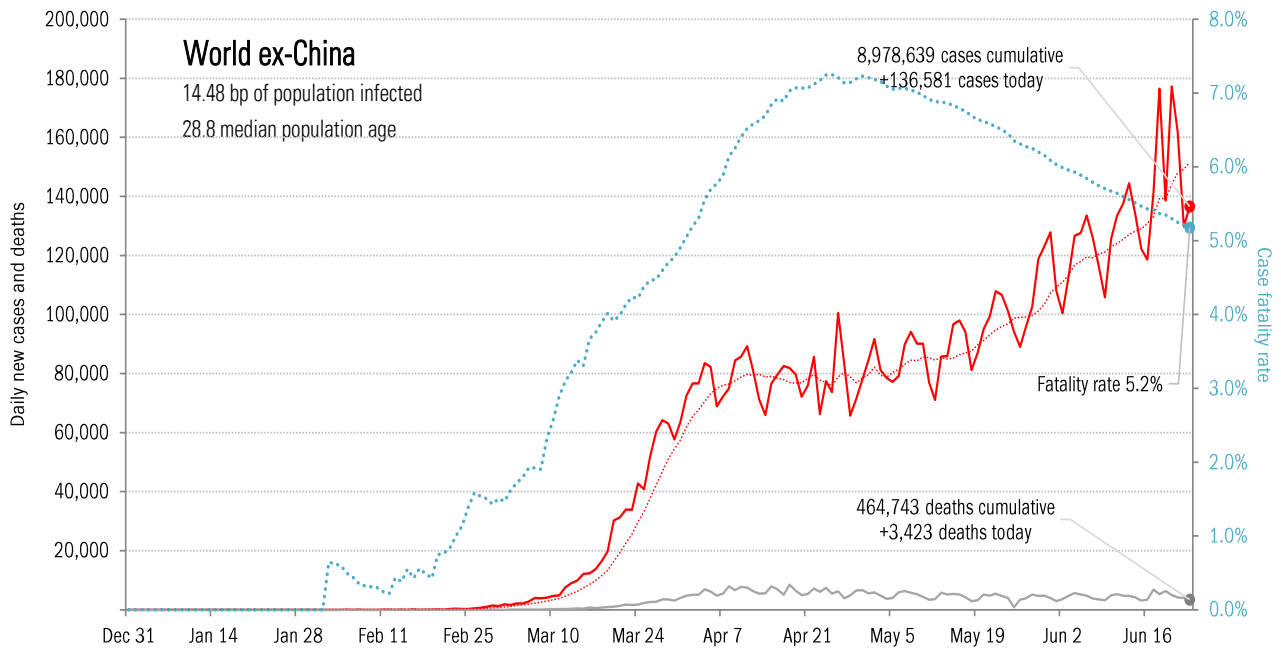
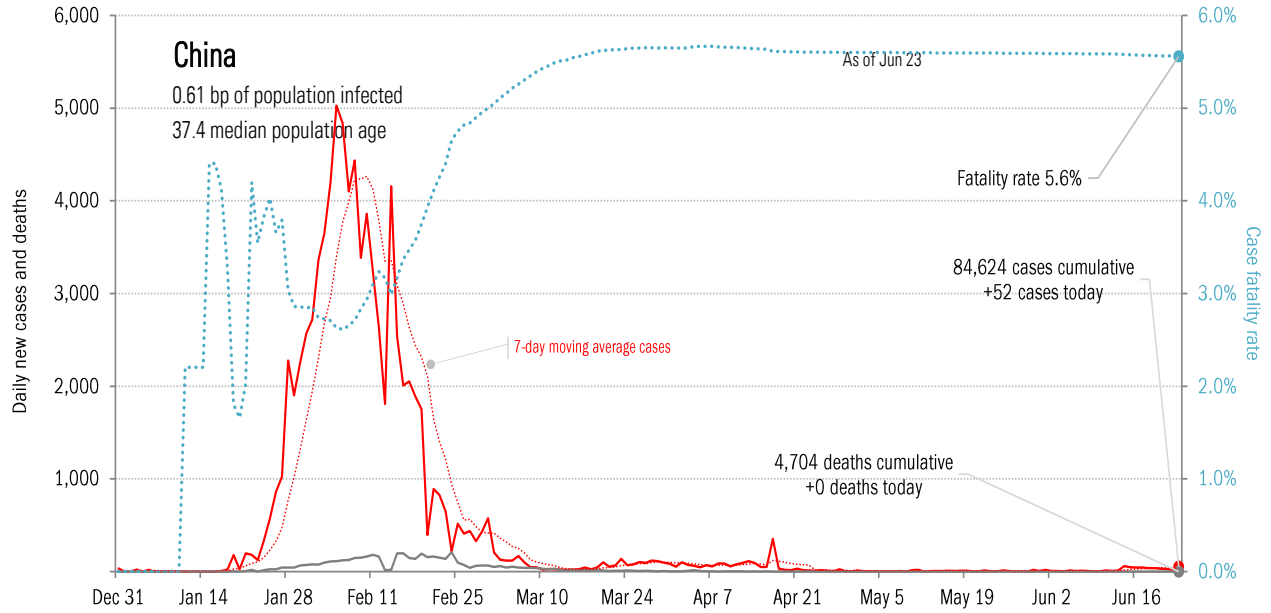
Source: [ECDC](#), TrendMacro calculations

The "second wave" states (other than Texas)



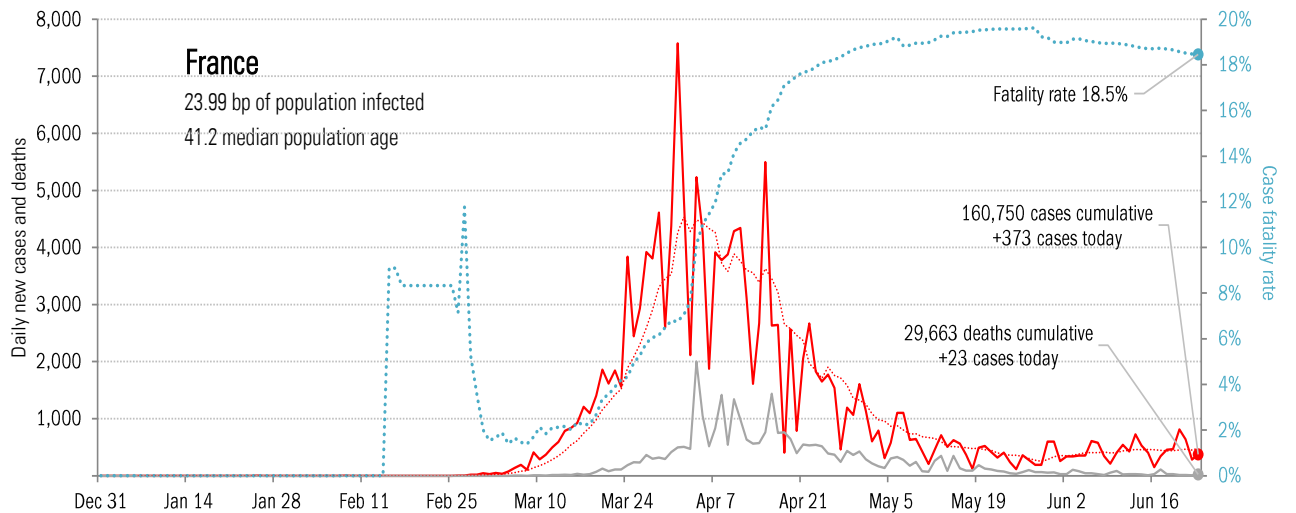
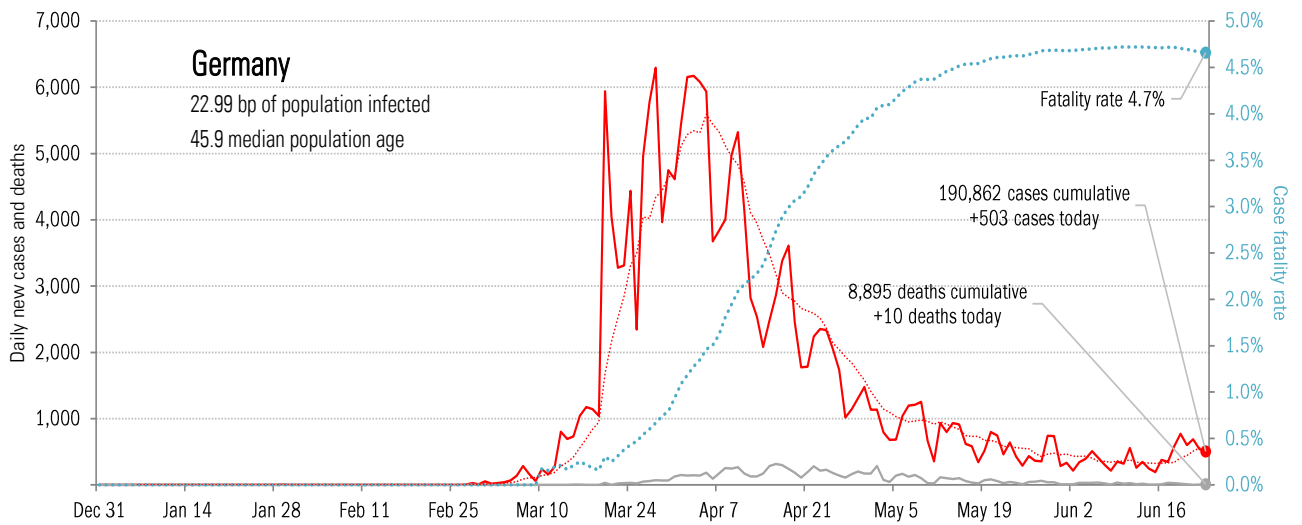
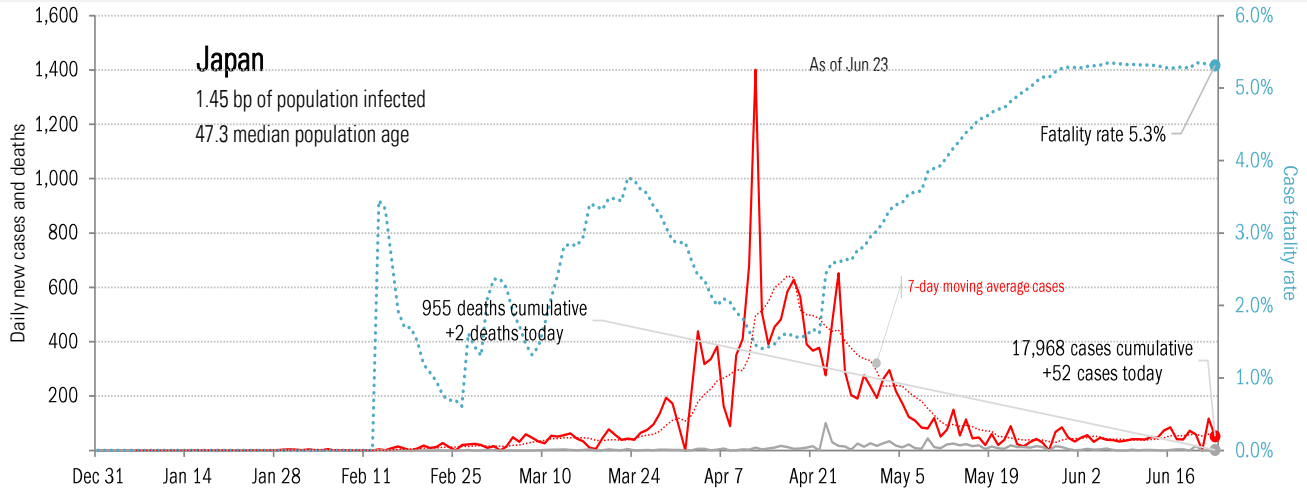
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



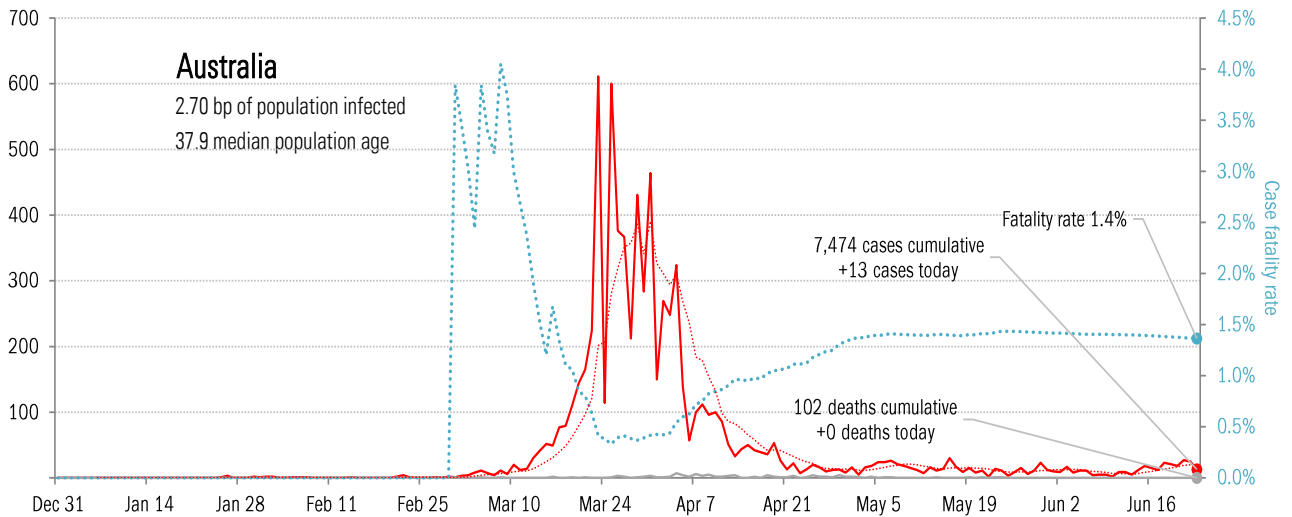
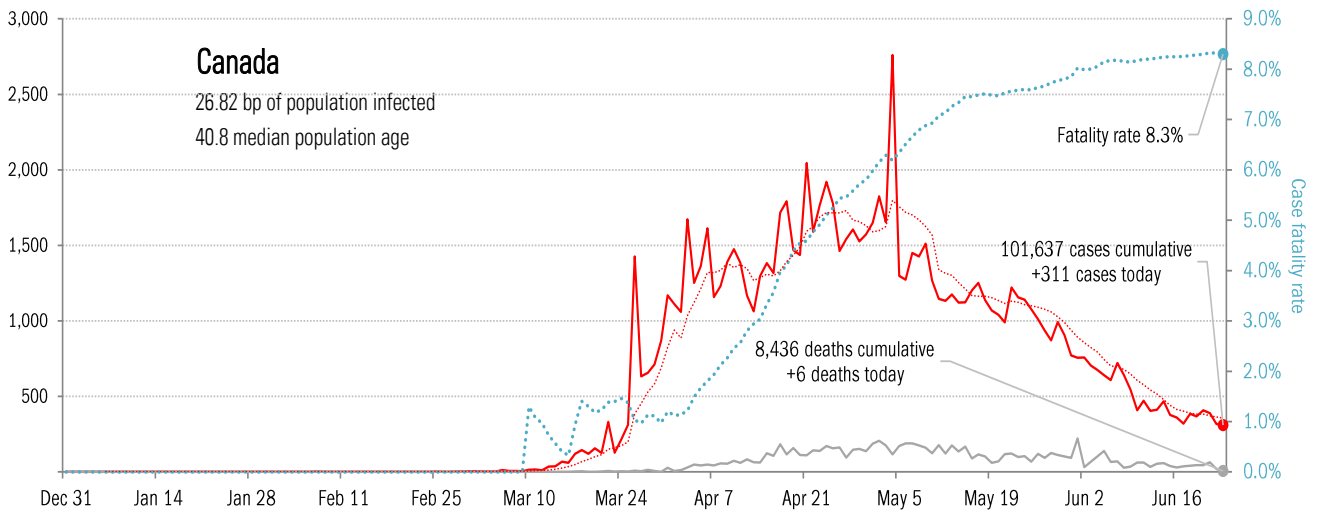
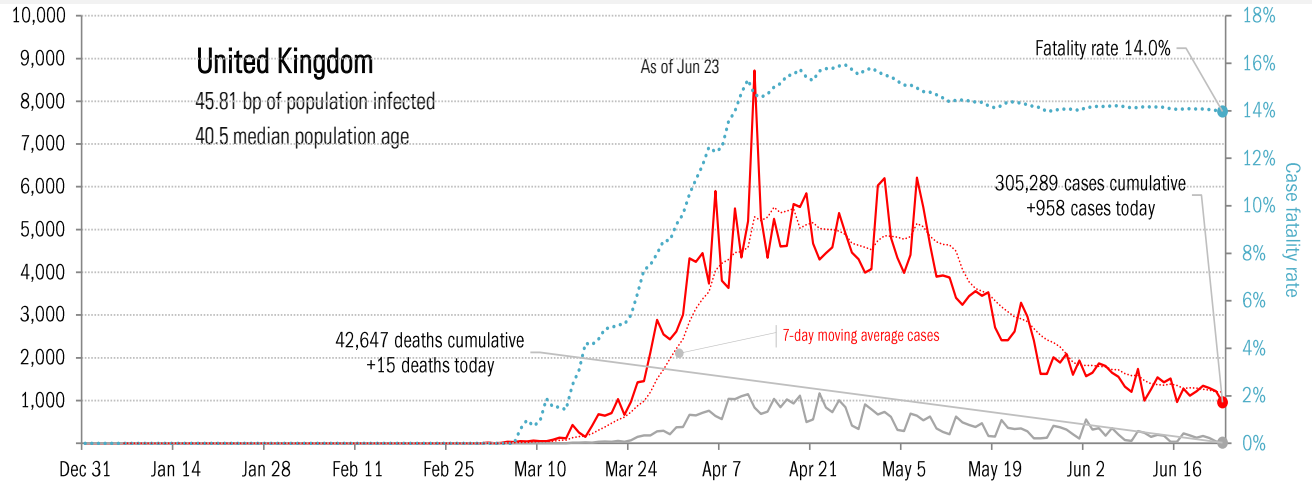
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



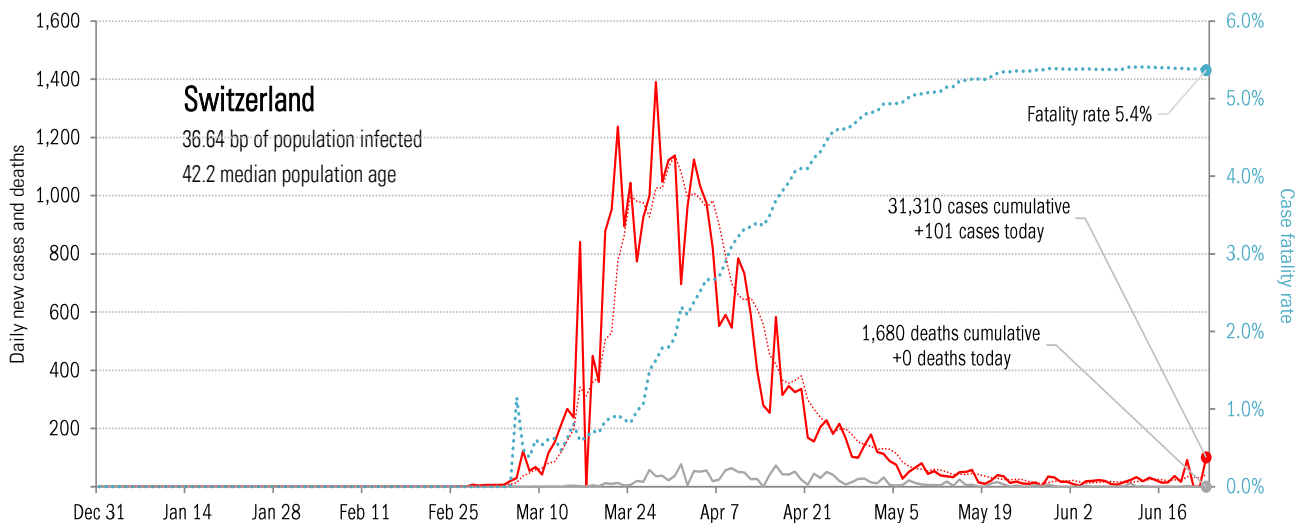
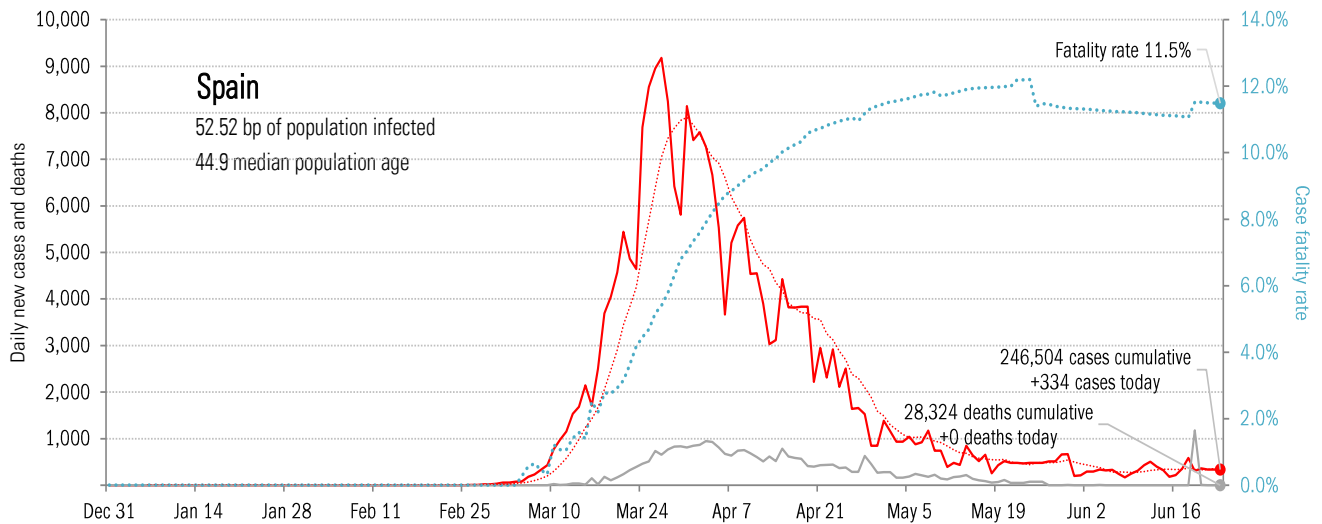
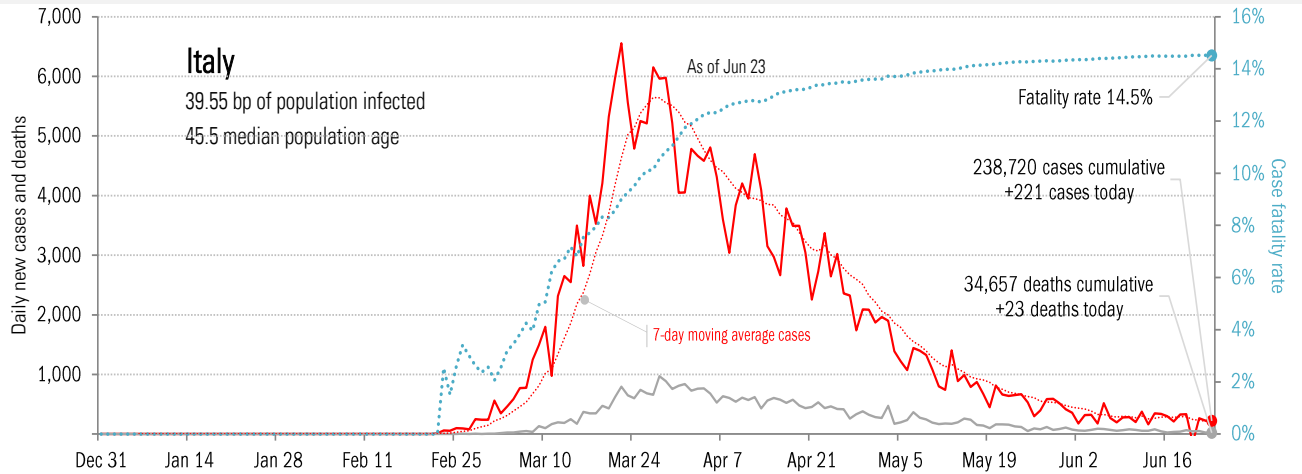
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



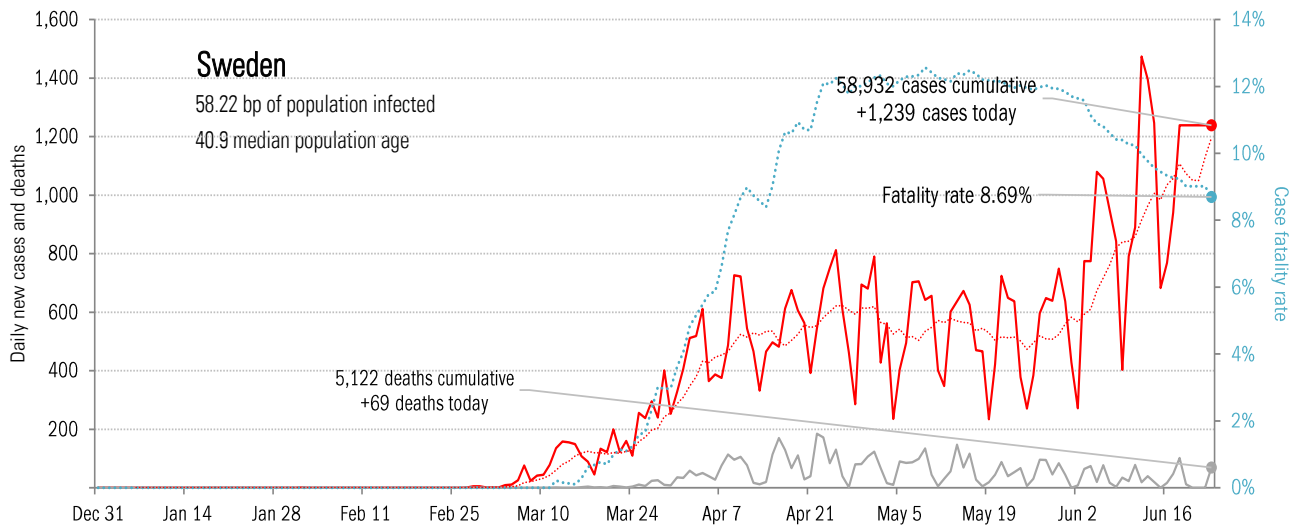
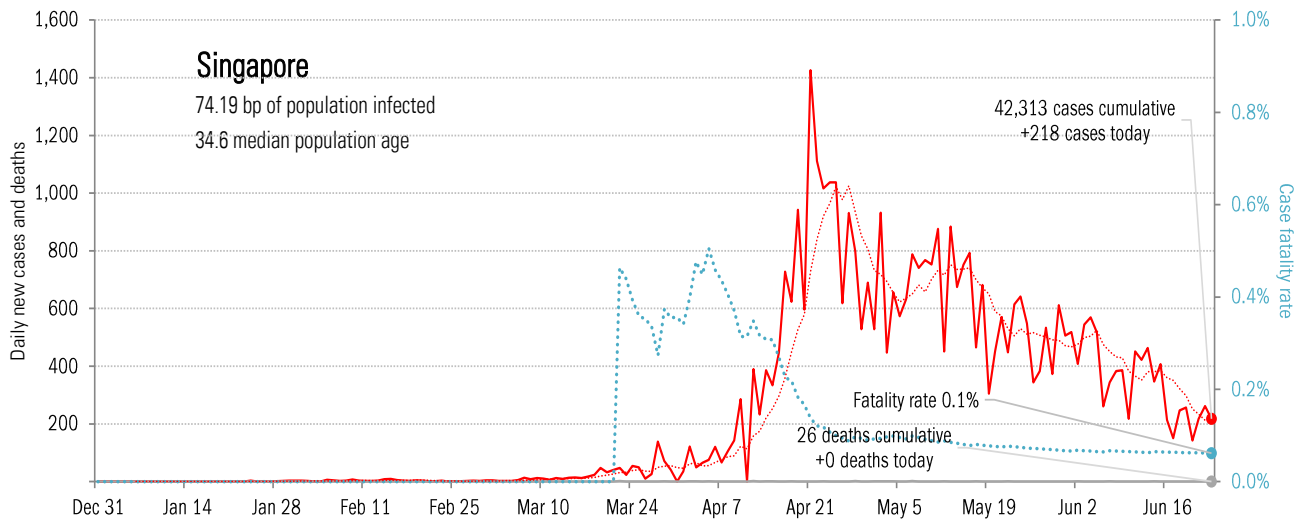
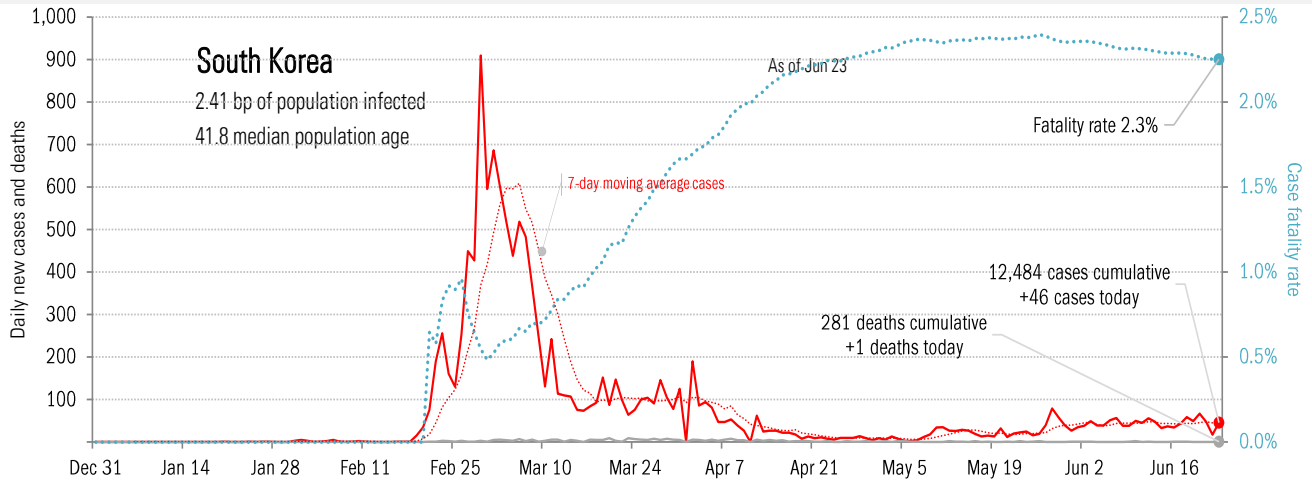
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



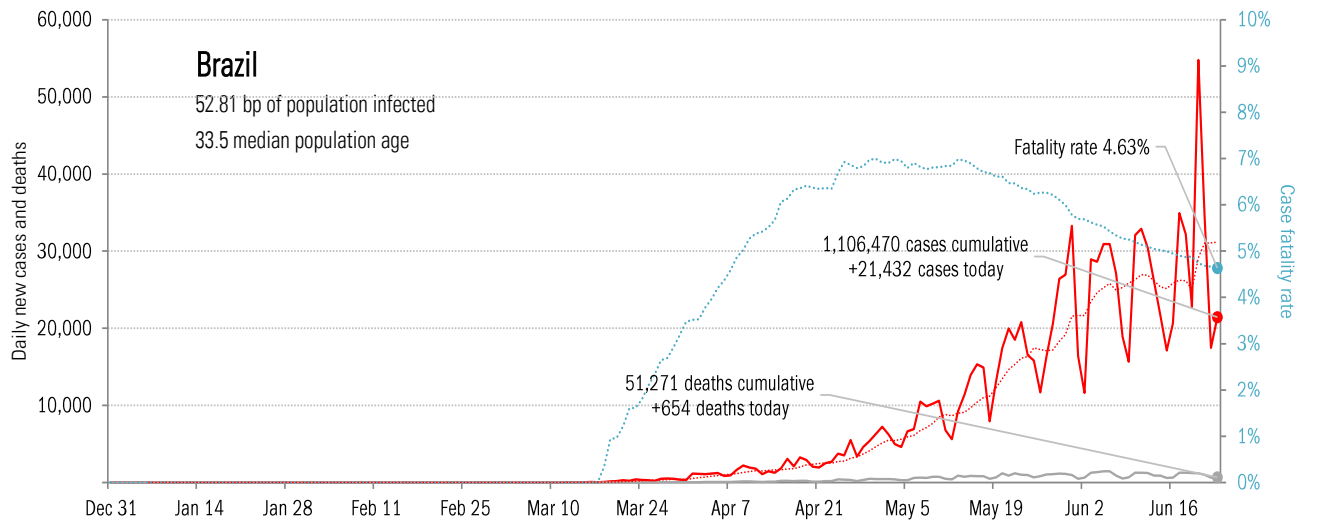
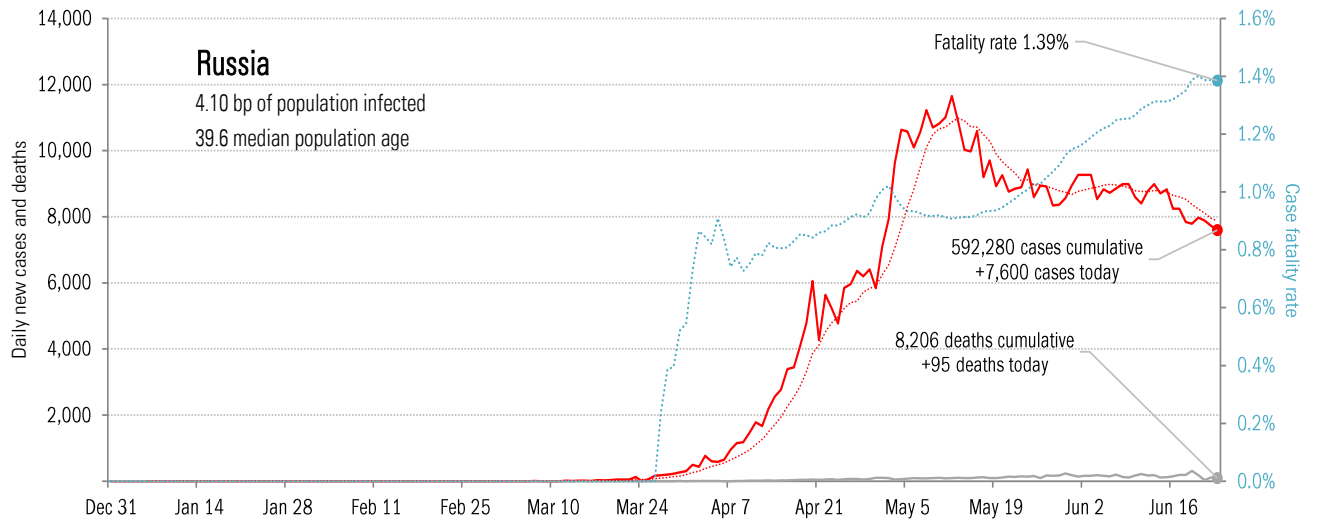
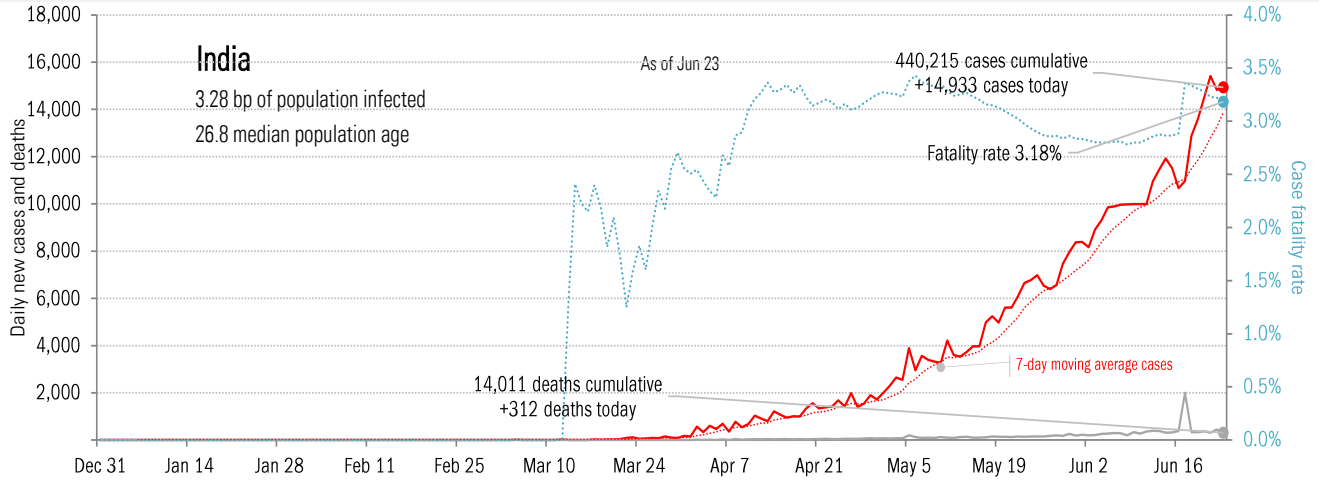
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



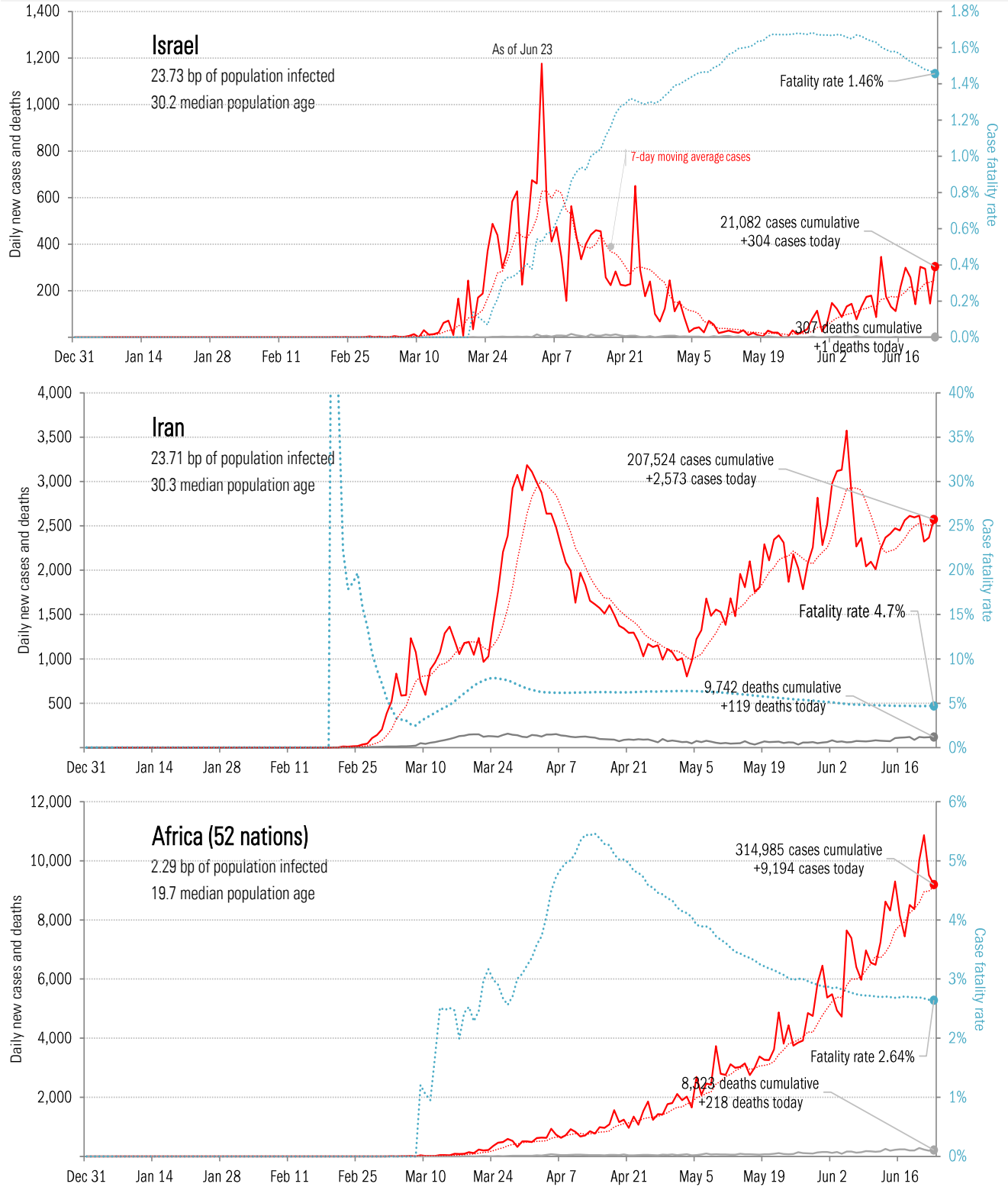
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations