

Data Insights: Covid-2019 Monitor

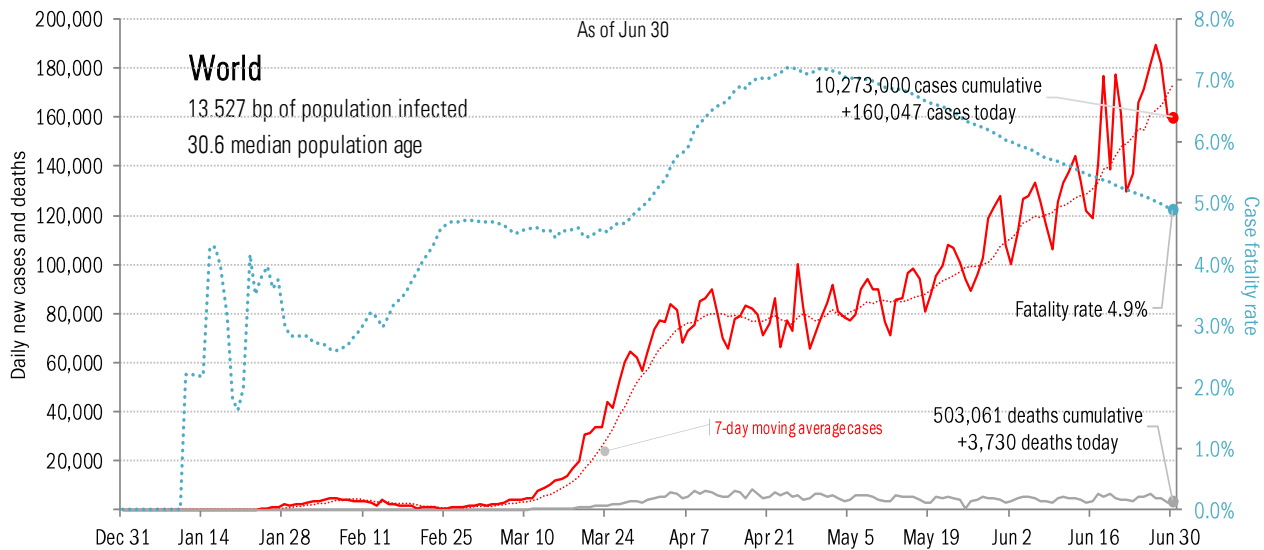
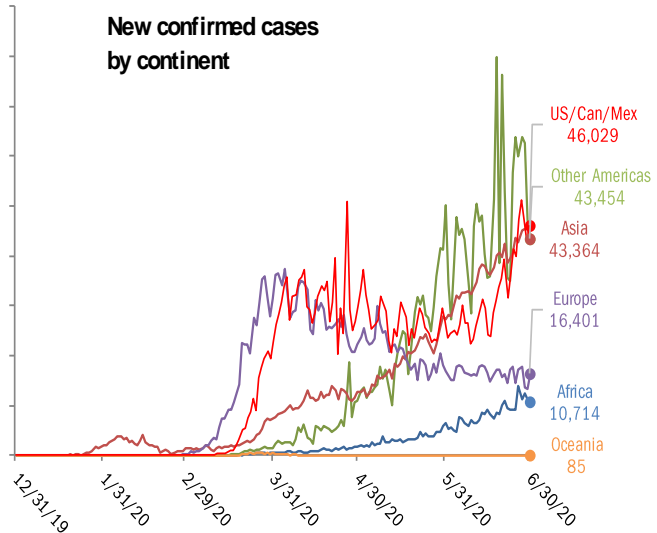
Tuesday, June 30, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+41,556	Brazil	+692
Brazil	+24,052	Mexico	+473
India	+18,522	India	+418
Russia	+6,719	US	+336
South_Africa	+6,130	Peru	+187
Argentina	+4,524	Iran	+162
Chile	+4,017	Pakistan	+137
Bangladesh	+4,014	Colombia	+117
Saudi	+3,943	Russia	+93
Mexico	+3,805	Egypt	+83
+117,282		+2,698	
World	+160,047	World	+3,730
Top ten	73%	Top ten	72%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

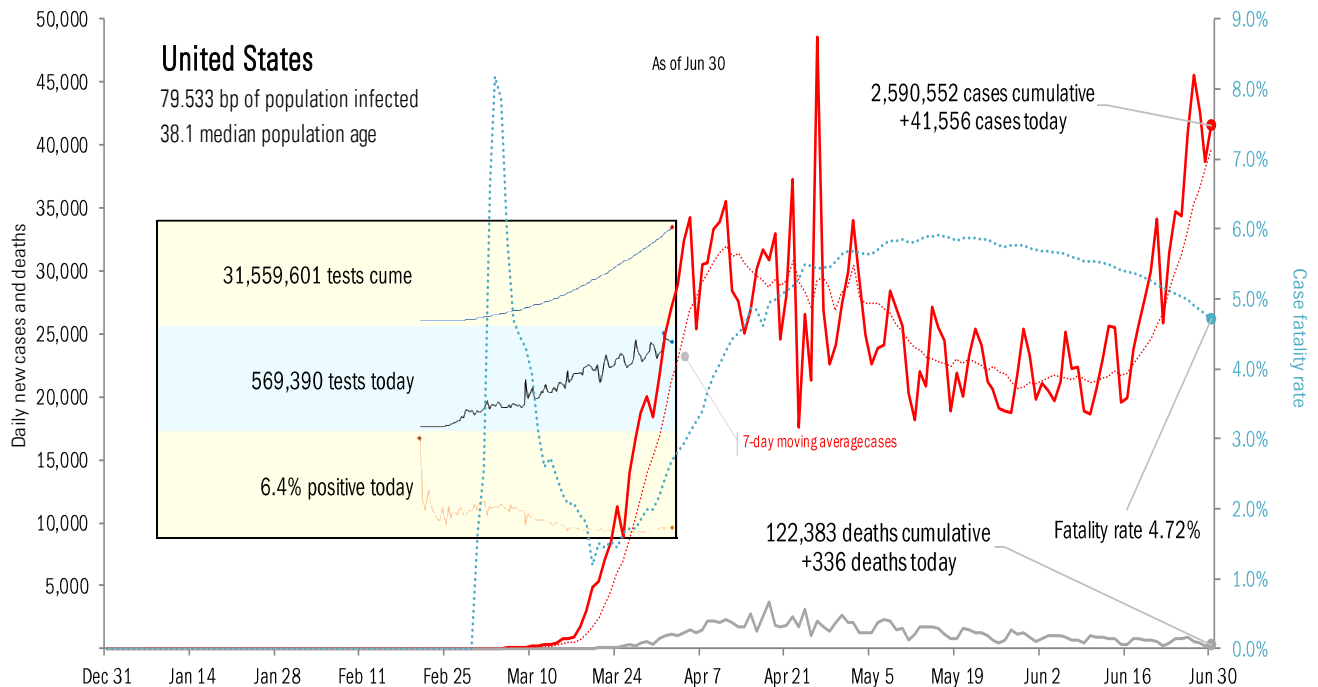
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+5,307	MA	+35	GA	+113	NY	392,930	NY	24,842	NY	89,995
FL	+5,266	PA	+35	FL	+111	CA	216,550	NJ	14,992	NJ	19,847
TX	+4,283	CA	+31	OH	+65	NJ	171,272	MA	8,095	FL	14,651
GA	+2,207	FL	+28	TN	+35	TX	153,011	IL	7,103	MA	11,345
TN	+2,125	MS	+20	WA	+35	FL	146,341	PA	6,614	GA	10,824
AL	+1,734	RI	+19	OK	+33	IL	143,514	MI	6,161	MD	10,822
NC	+1,342	NJ	+17	MD	+29	MA	108,768	CA	5,936	CT	10,268
SC	+1,324	IL	+14	MA	+26	PA	85,988	CT	4,320	VA	8,823
AR	+947	OH	+11	KS	+24	GA	79,417	FL	3,546	OH	7,746
KS	+905	AL	+10	AL	+22	AZ	74,533	LA	3,199	IN	7,024
+25,440		+220		+493		1,572,324		84,808		191,345	
All states	+36,490	All states	+332	All states	+670	All states	2,577,473	All states	119,761	All states	240,826
Top ten	70%	Top ten	66%	Top ten	74%	Top ten	61%	Top ten	71%	Top ten	79%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-3,264	TX	-17	VA	-36	NC	+8,617
AZ	-3,232	NJ	-10	AR	-29	LA	+2,433
TX	-1,074	AZ	-9	MD	-13	MS	+2,146
PA	-634	LA	-9	NJ	-12	TX	+1,361
LA	-622	NC	-7	MS	-11	TN	+803



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

Recommended reading

[This coronavirus mutation has taken over the world. Scientists are trying to understand why.](#)

Sarah Kaplan and Joel Achenbach
Washington Post
June 29, 2020

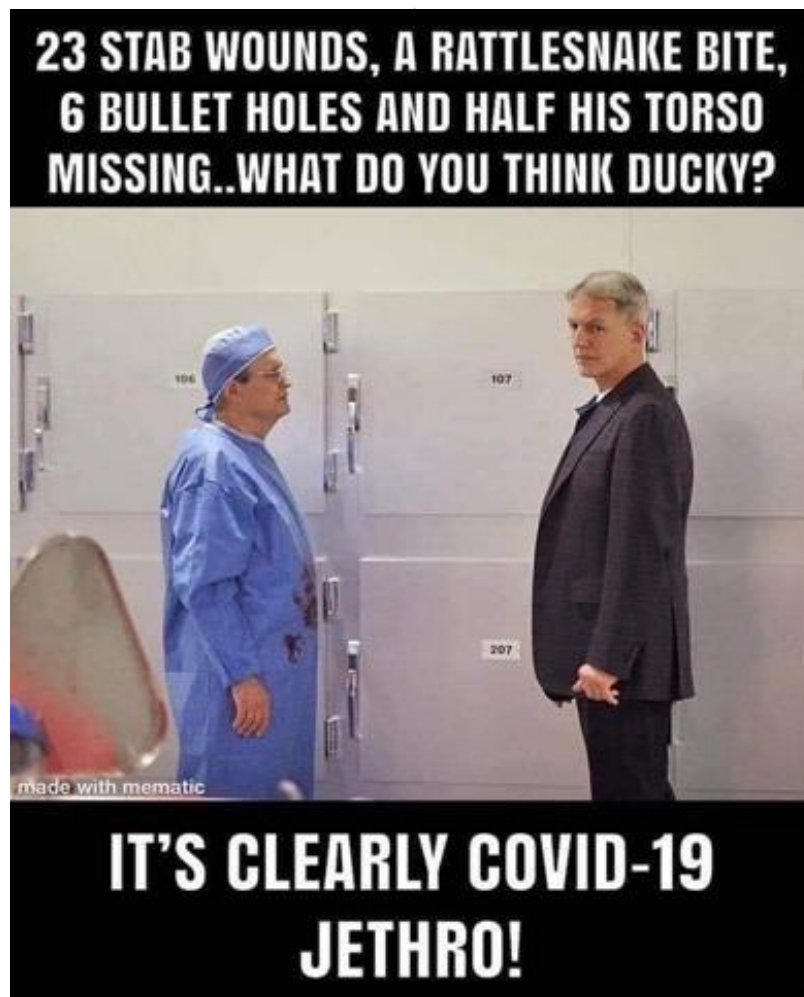
[COVID-19 Planning Considerations: Guidance for School Re-entry](#)

American Academy of Pediatrics
June 25, 2020

[China Seals Off County of 400,000 to Stem Beijing Cluster](#)

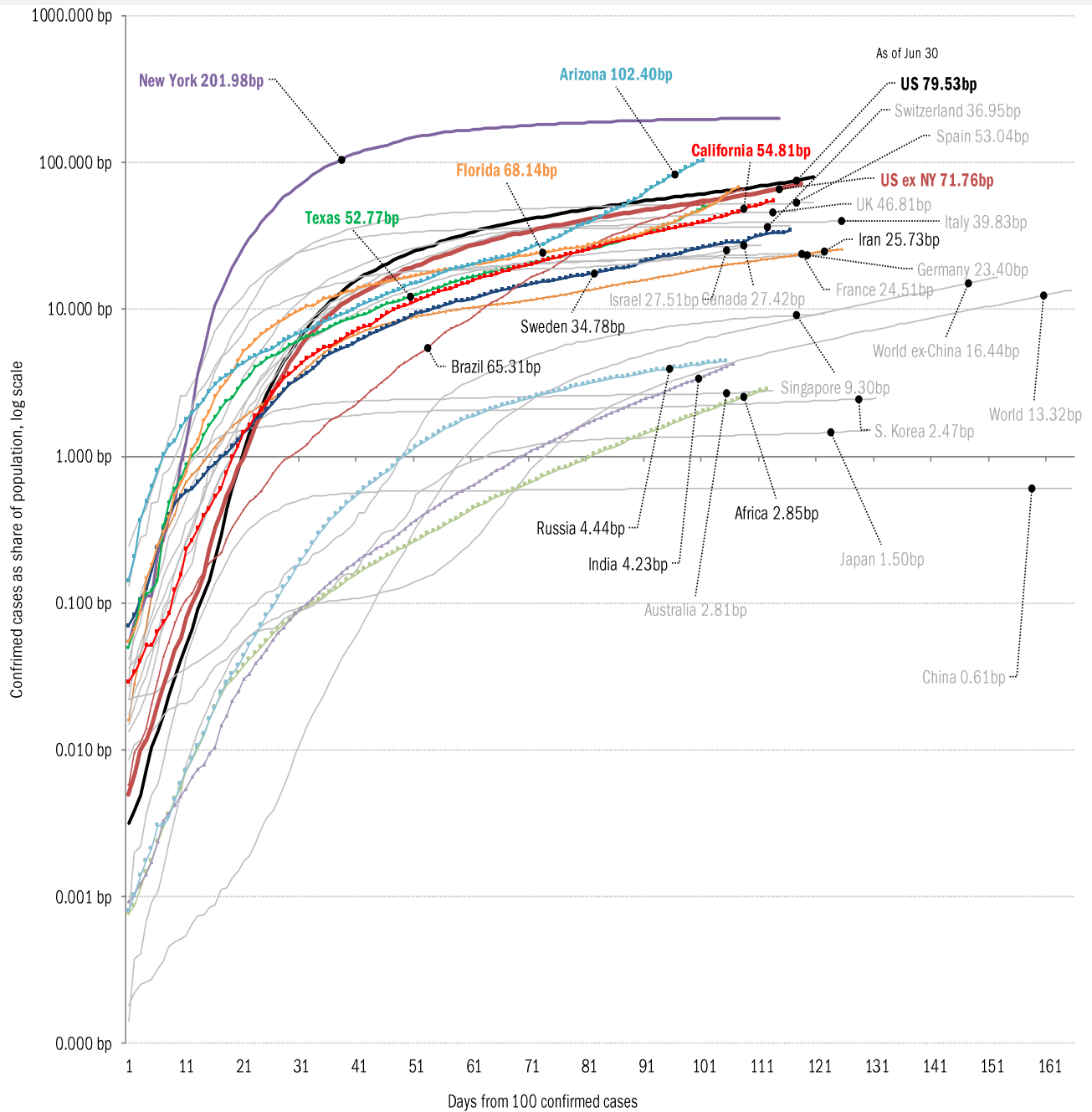
Bloomberg
June 29, 2020

Meme of the day



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

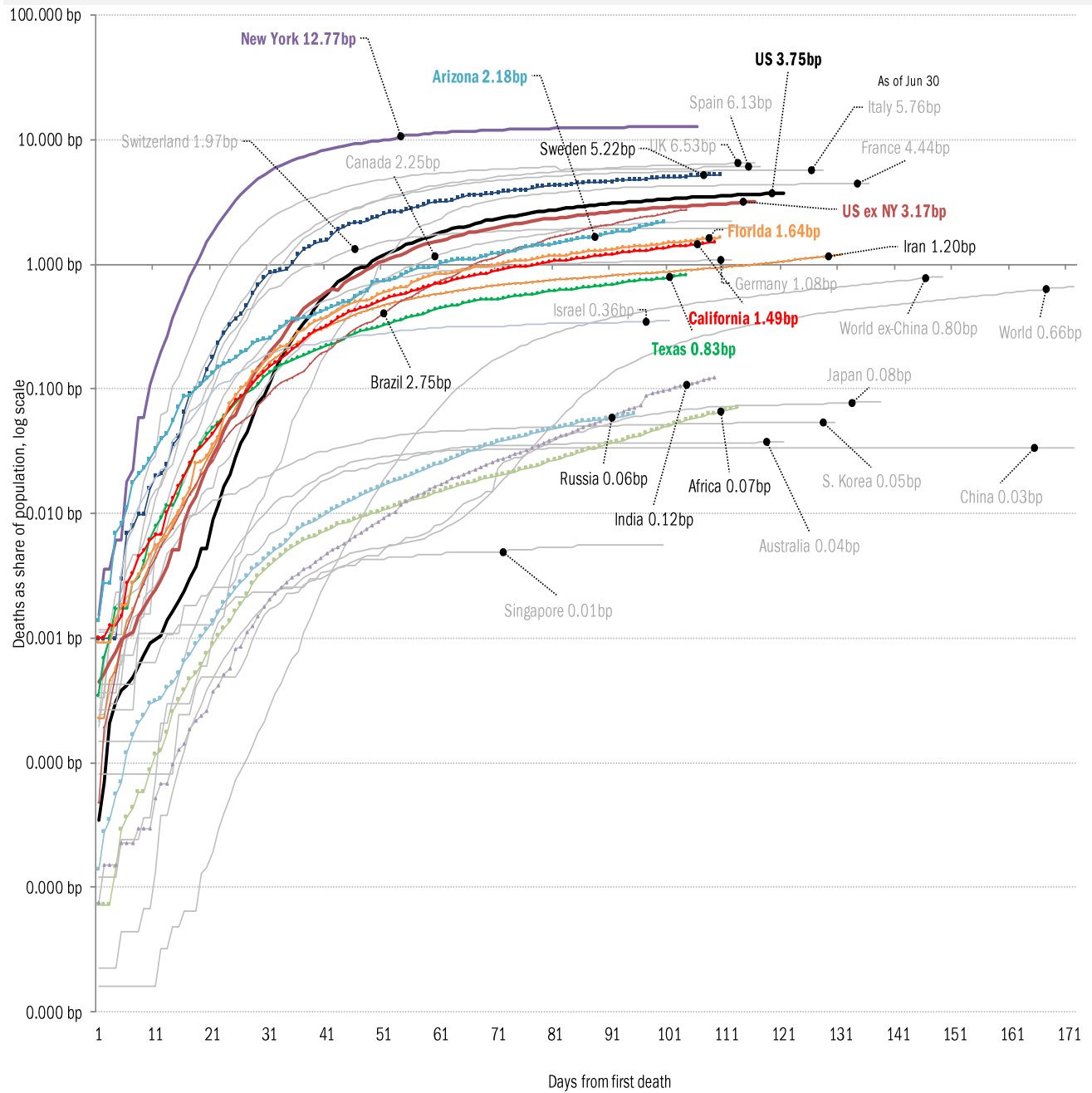
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

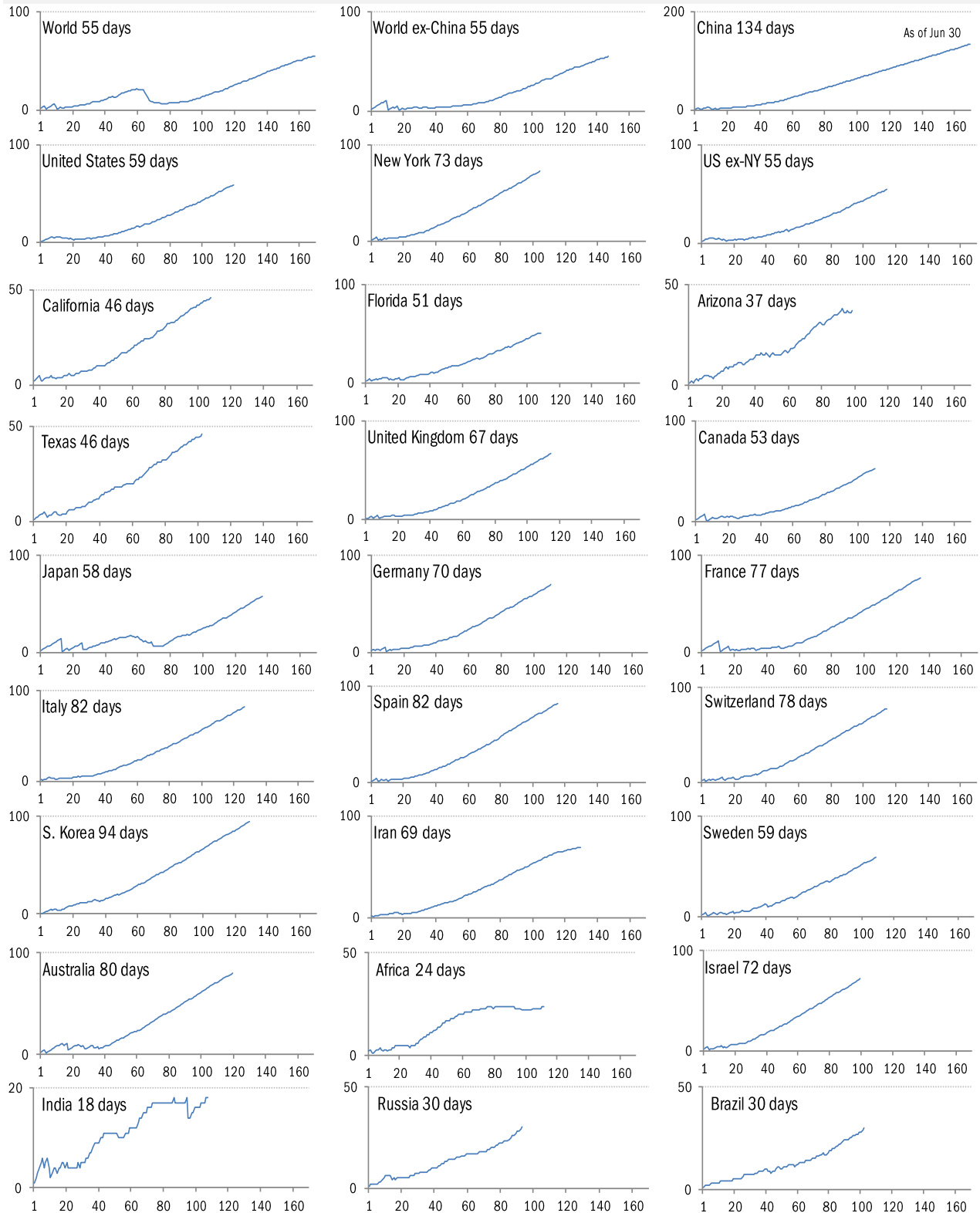
Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

Our most reliable evidence of slowing 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
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



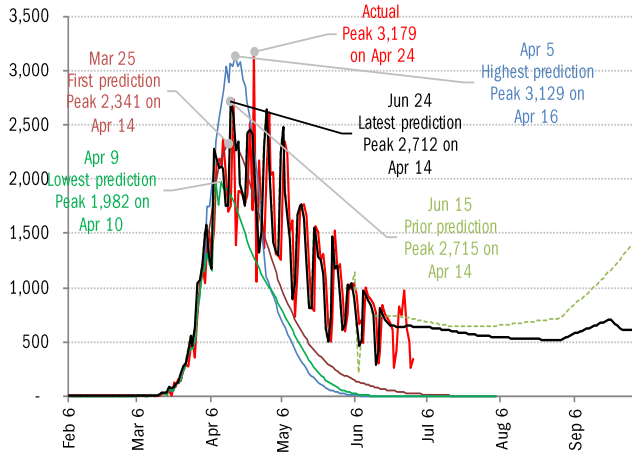
Source: [Covid Tracking Project](#), TrendMacro calculations

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

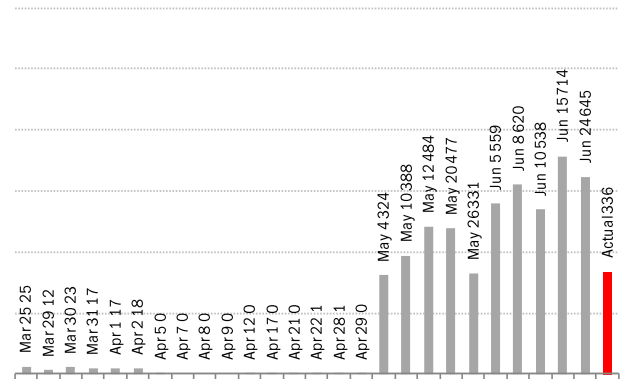
New daily fatalities

As of Jun 30

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

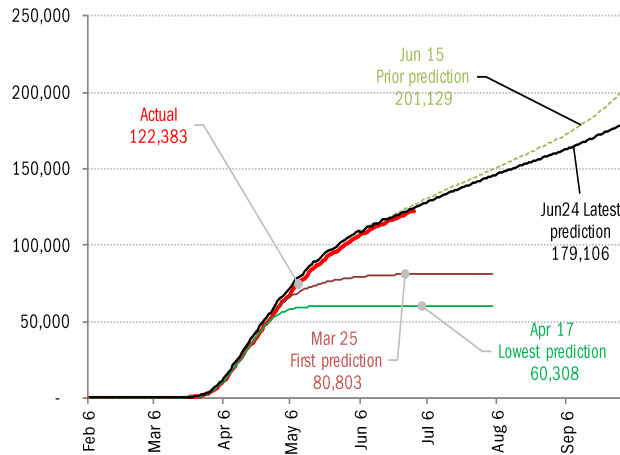


For this day, versus all model mean predictions

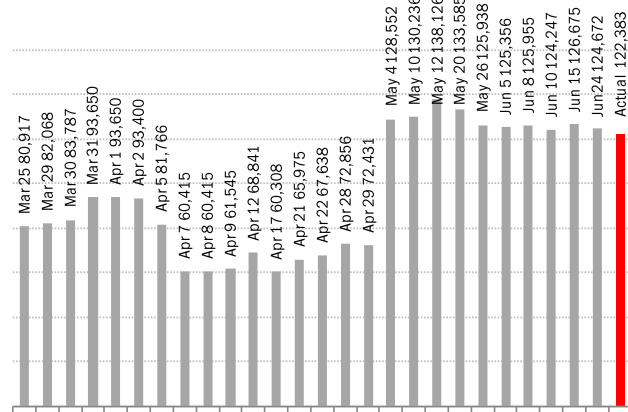


Cumulative fatalities

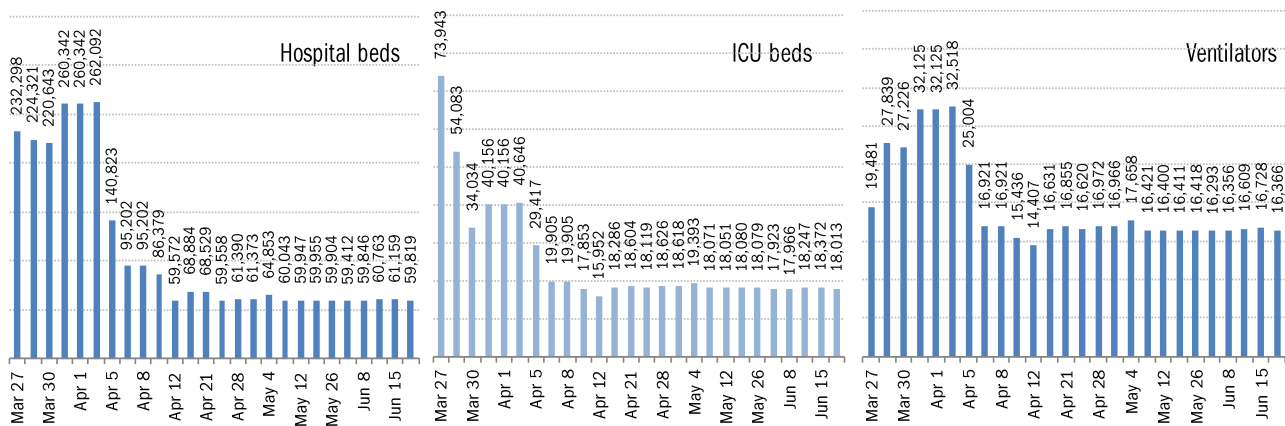
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

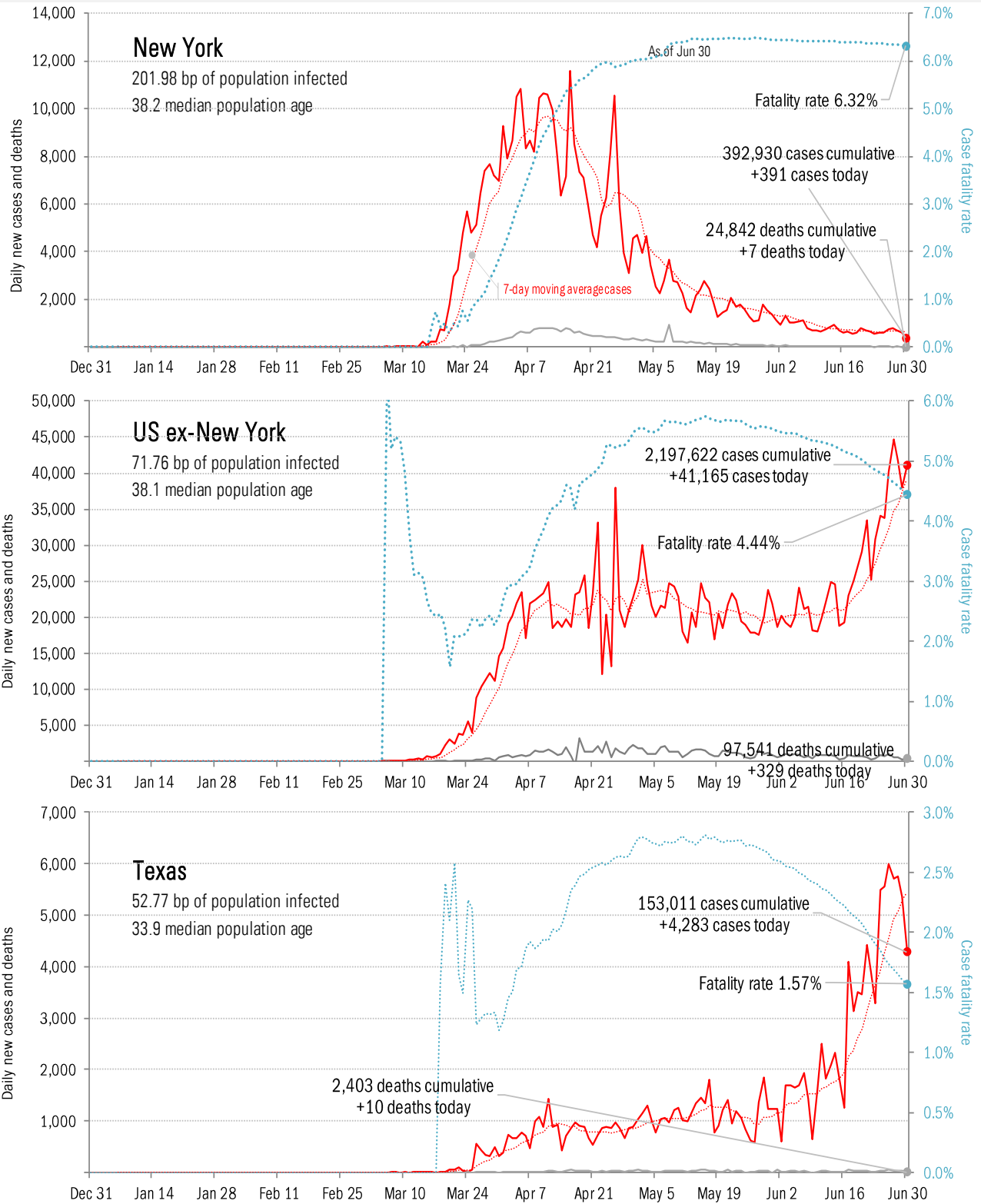


Healthcare system stress, peak estimated at each model revision



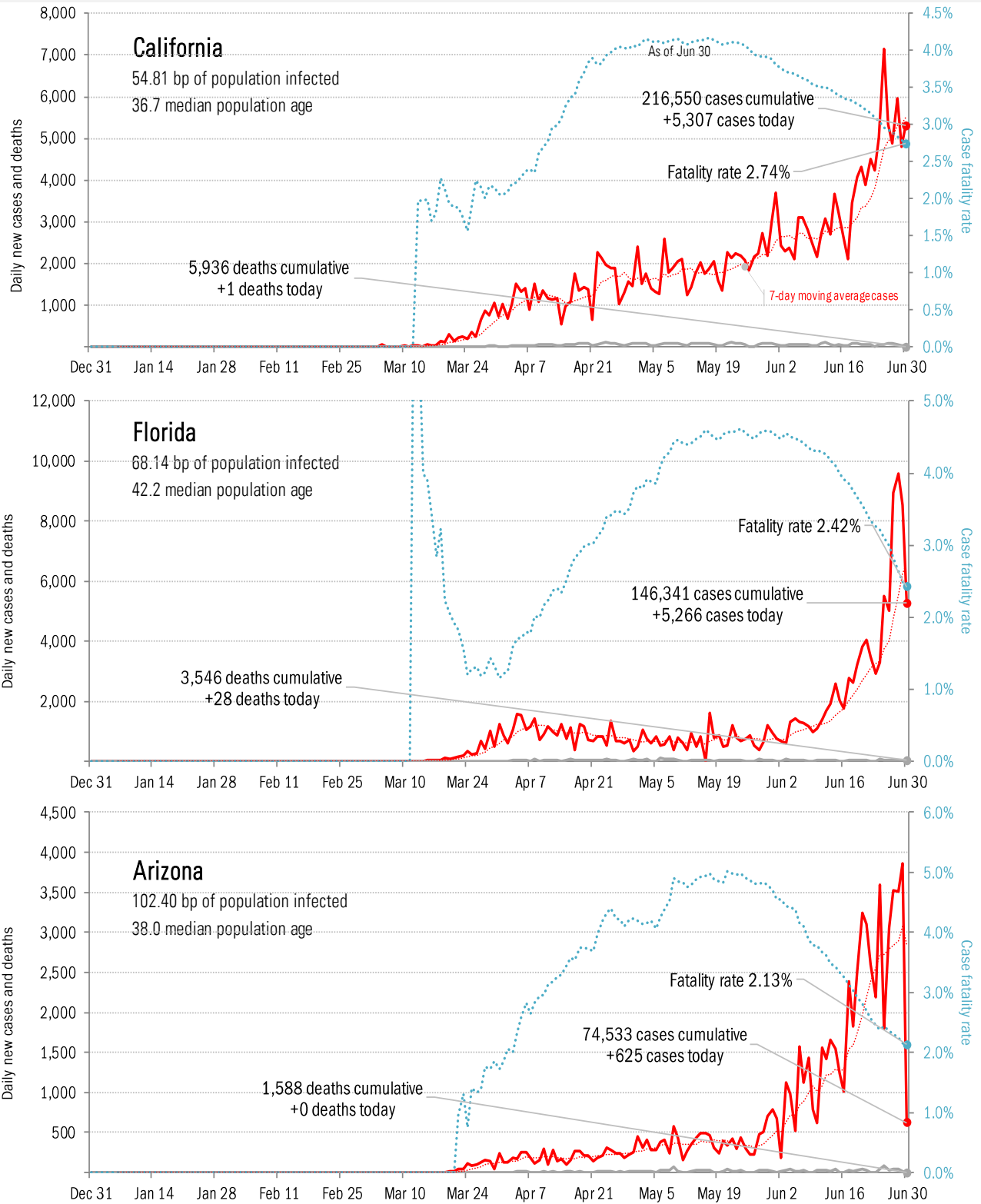
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



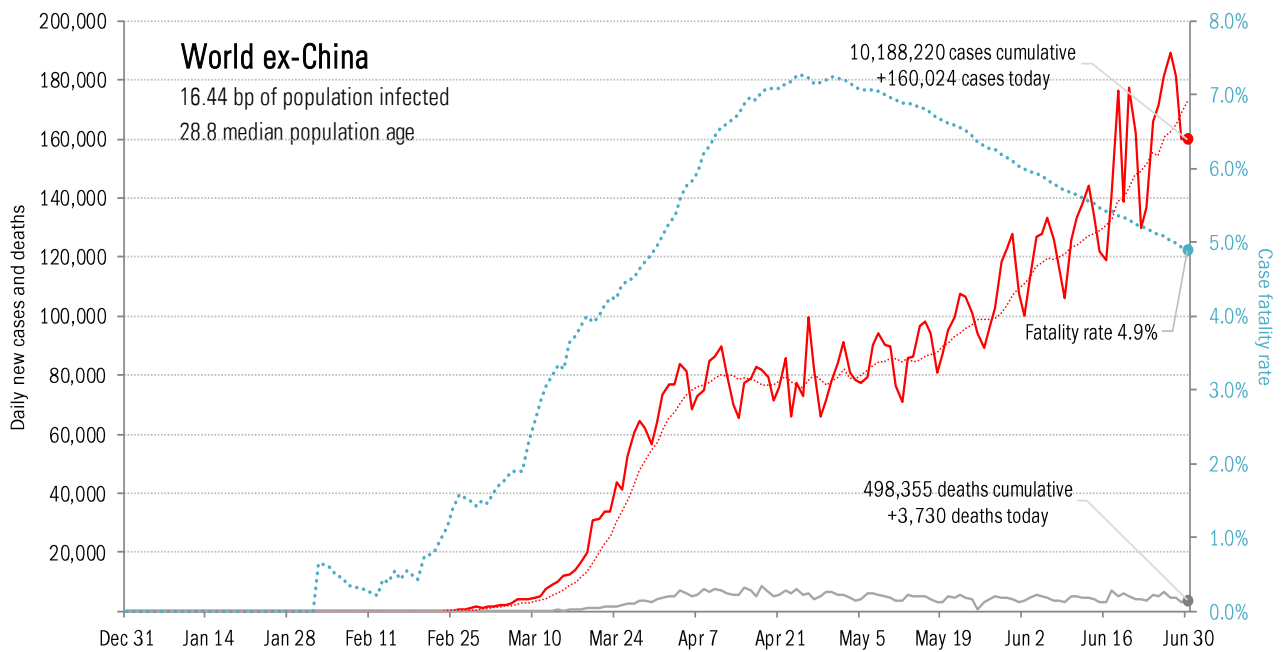
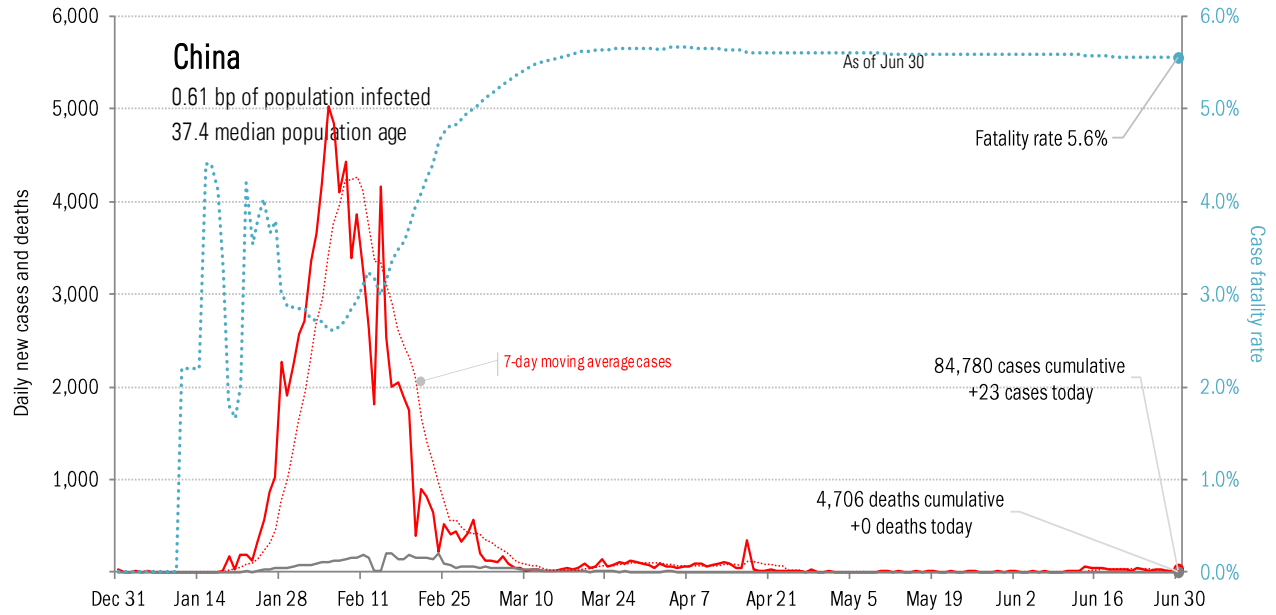
Source: [ECDC](#), TrendMacro calculations

The "second wave" states (other than Texas)



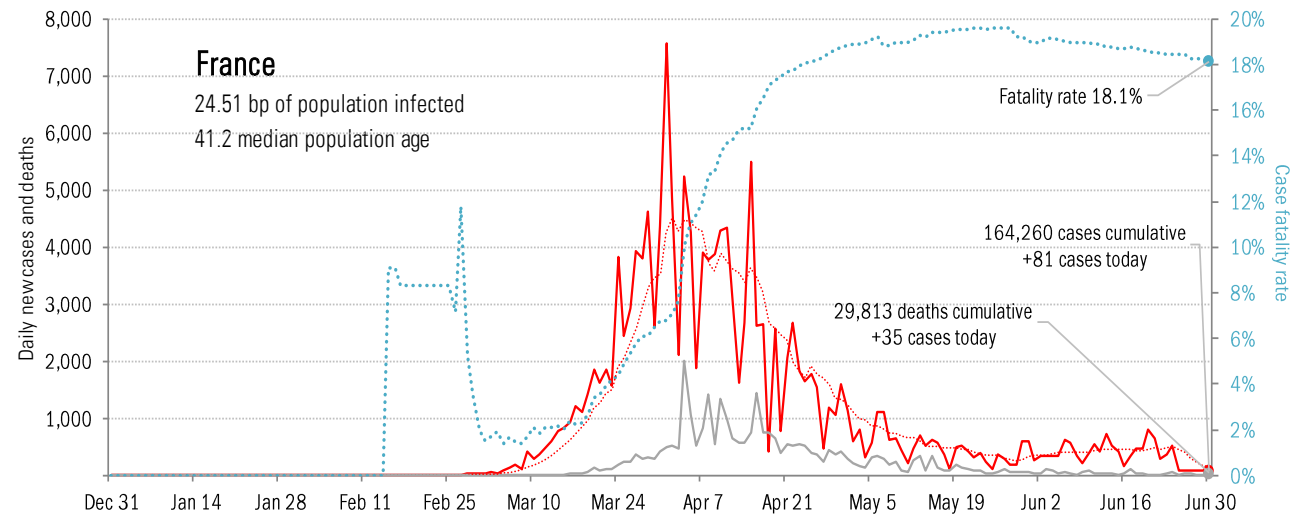
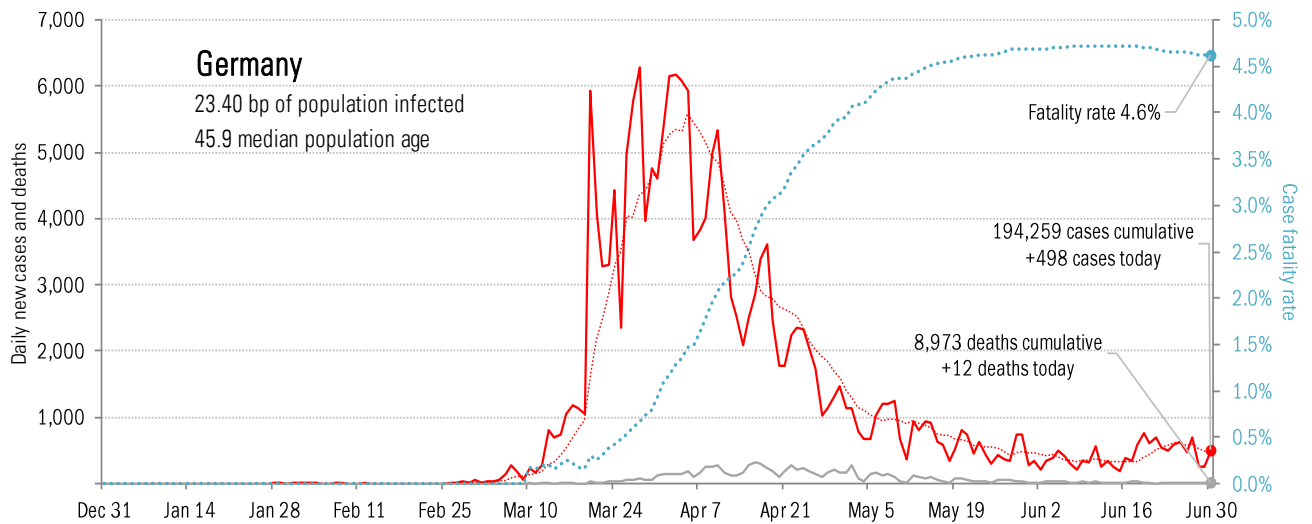
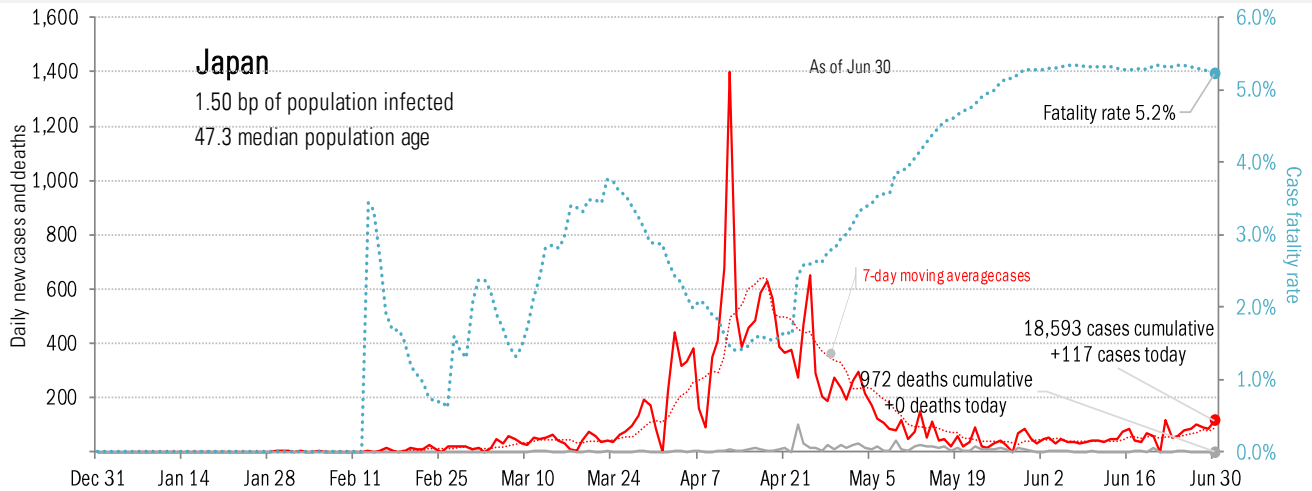
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



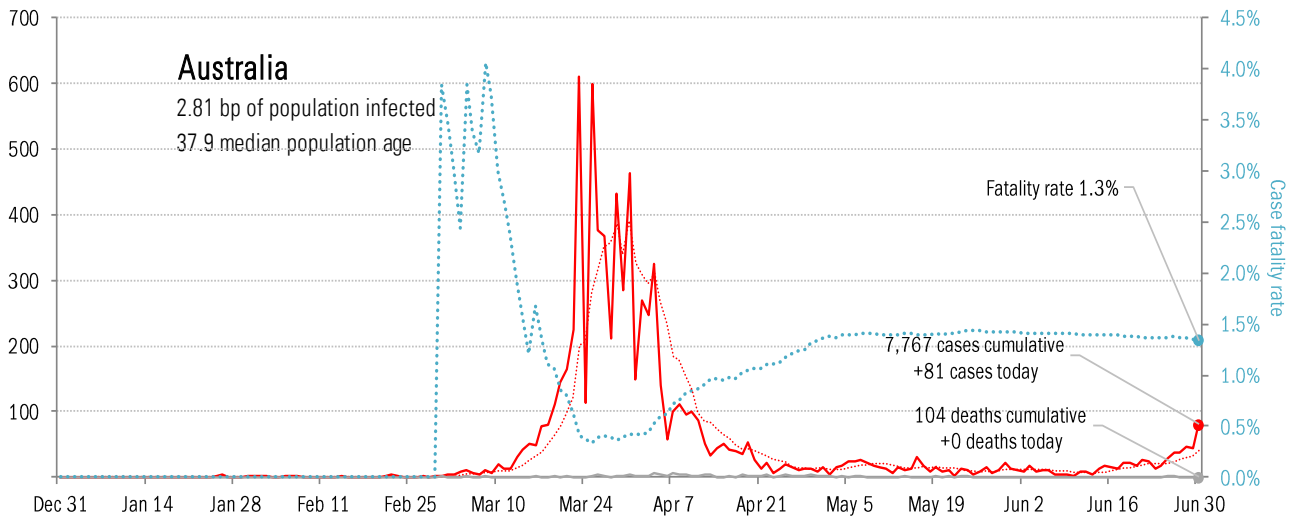
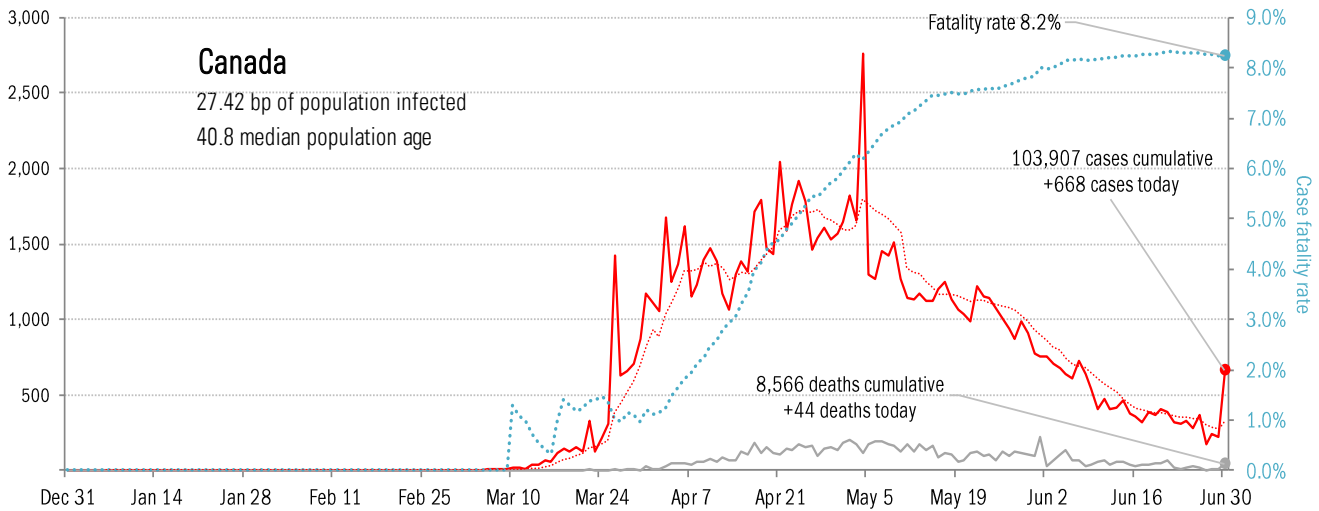
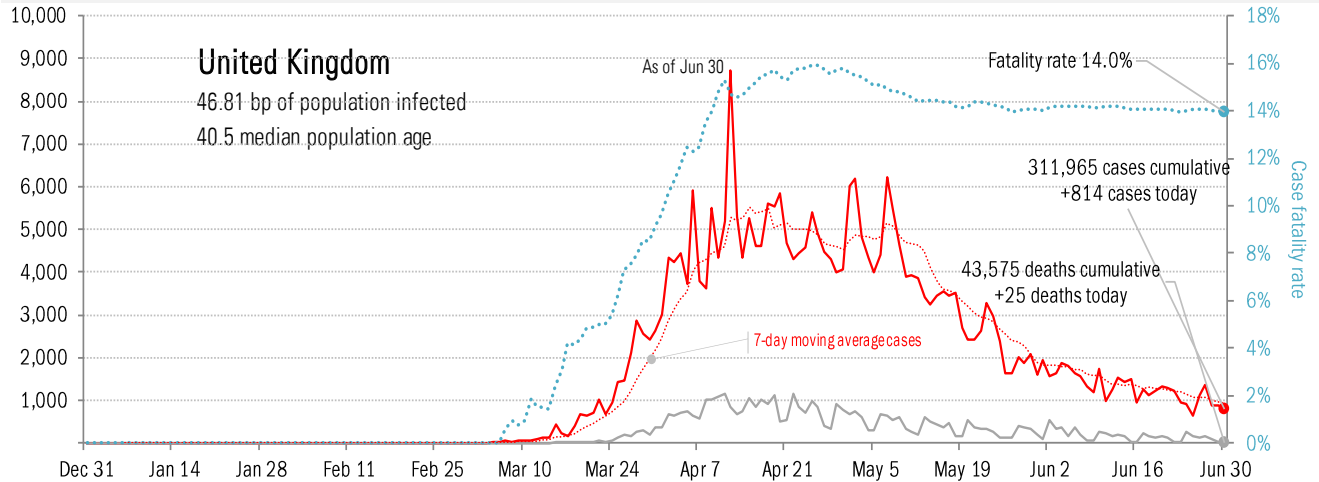
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



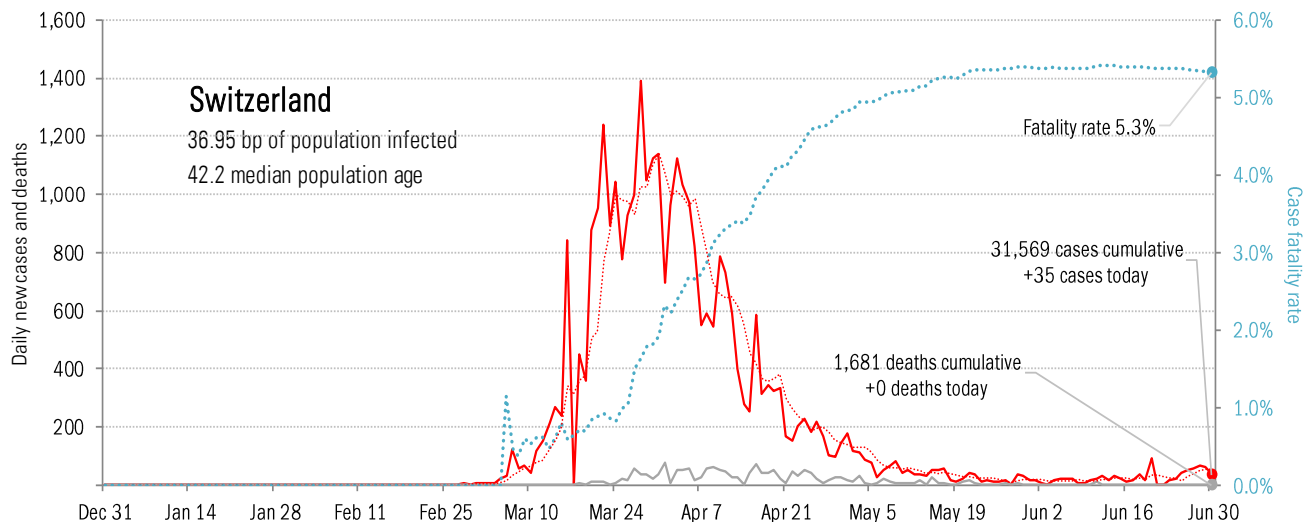
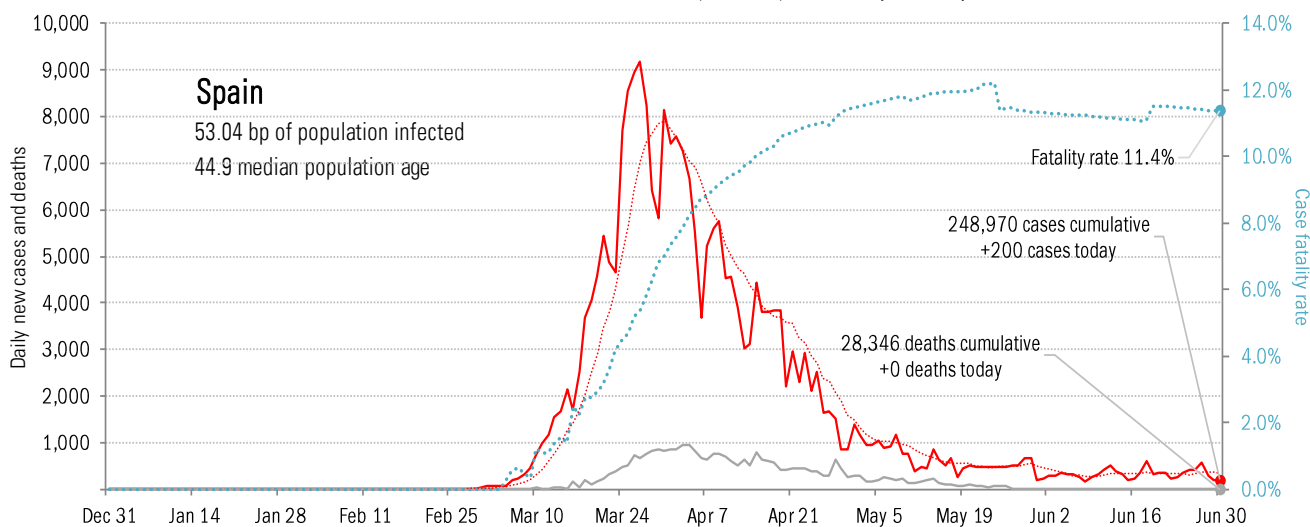
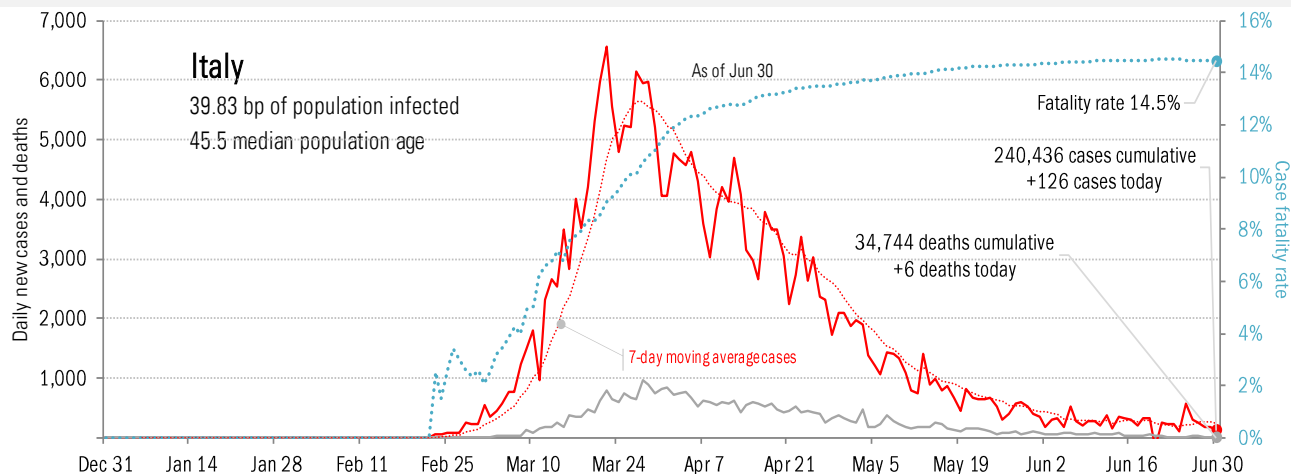
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



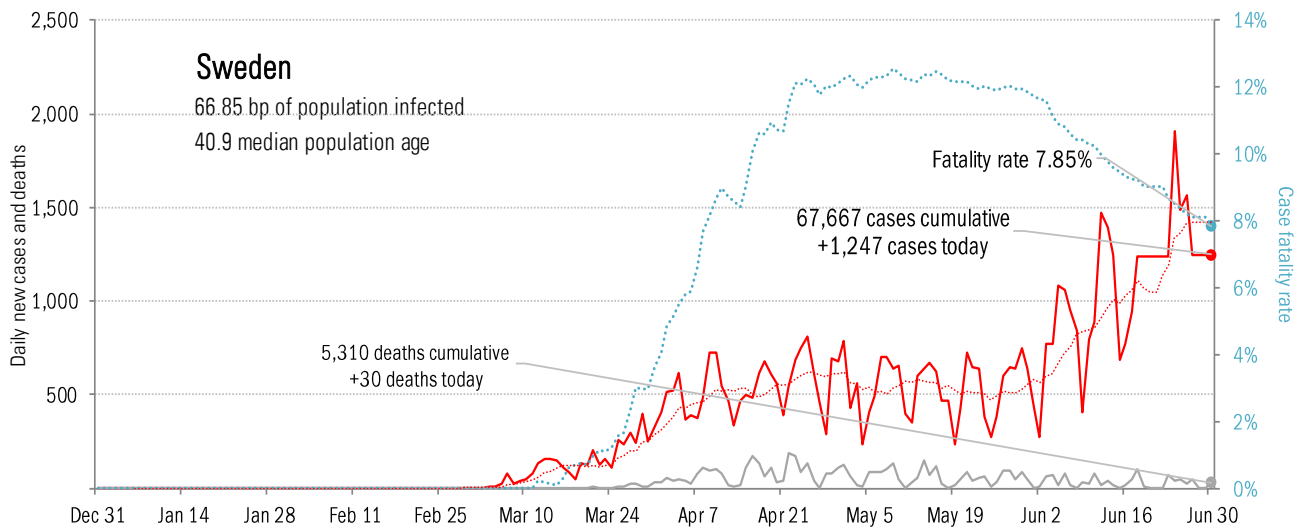
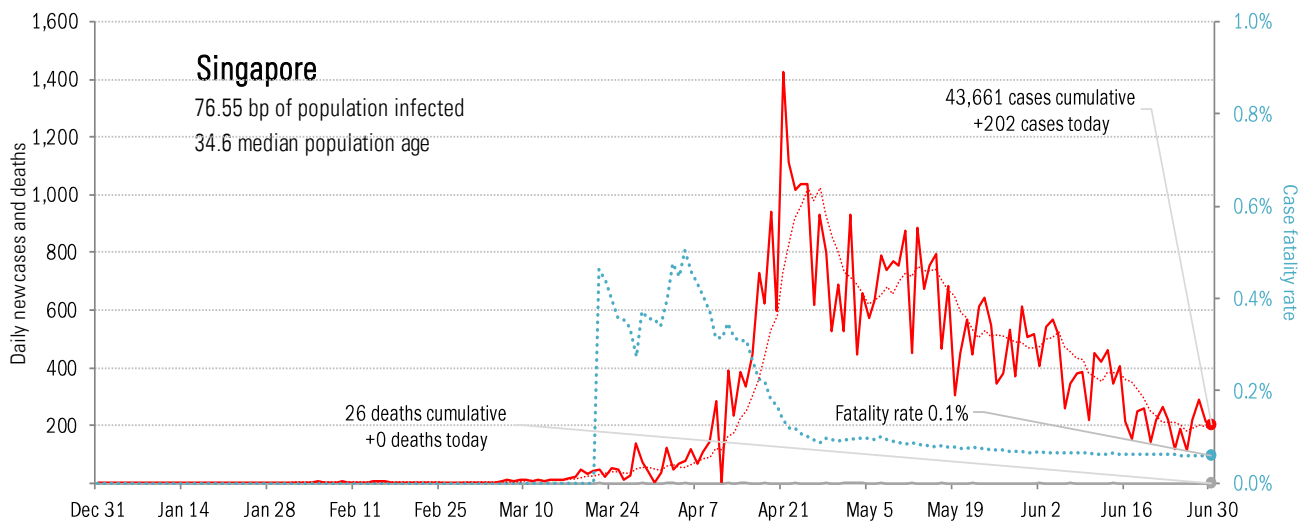
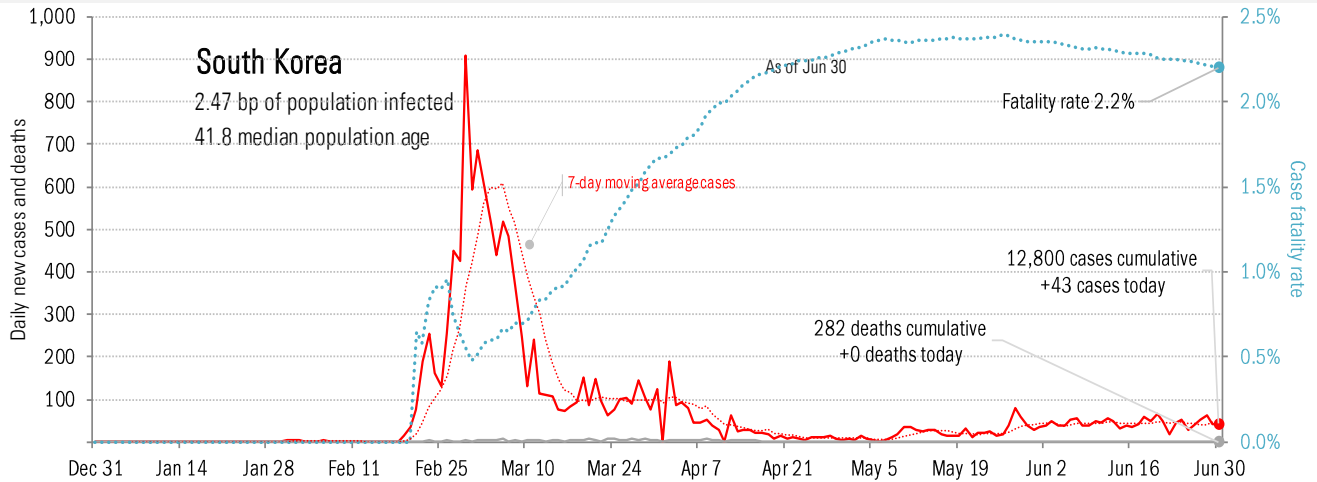
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



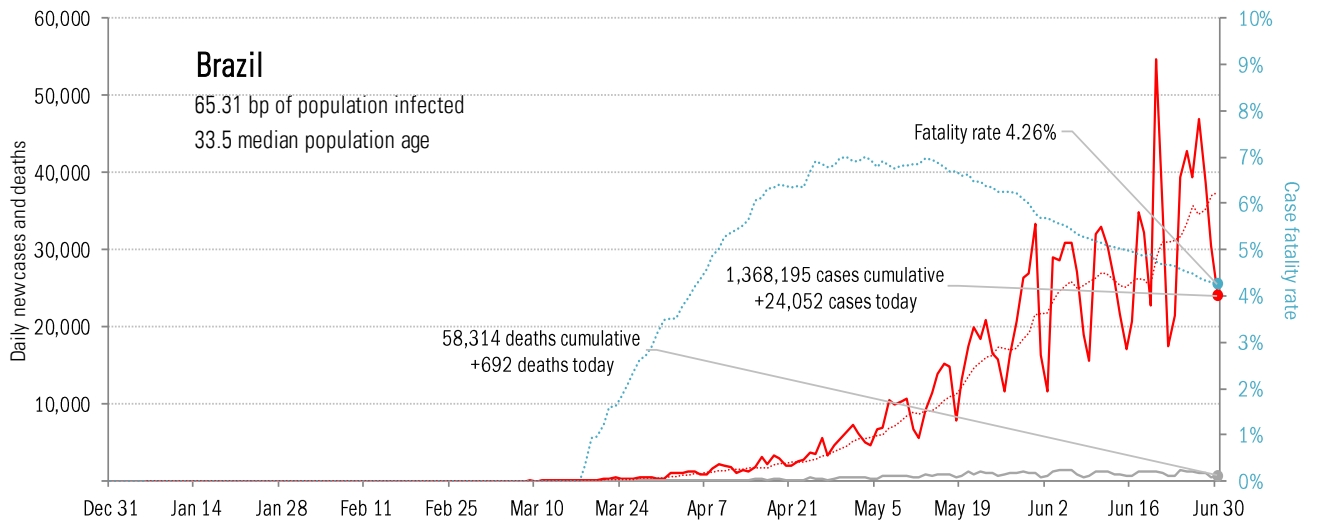
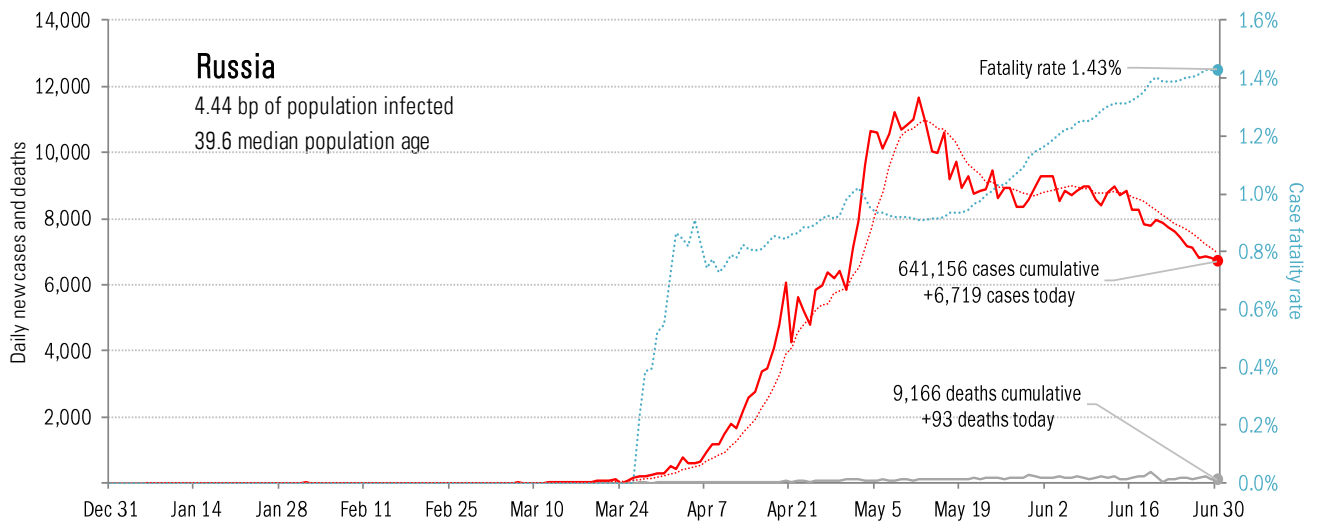
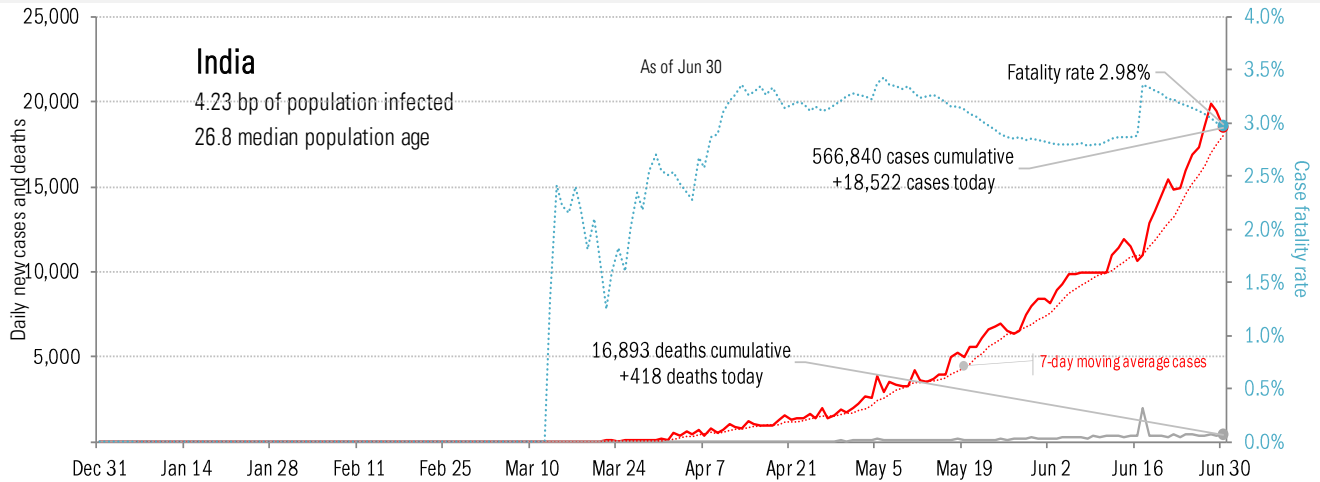
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



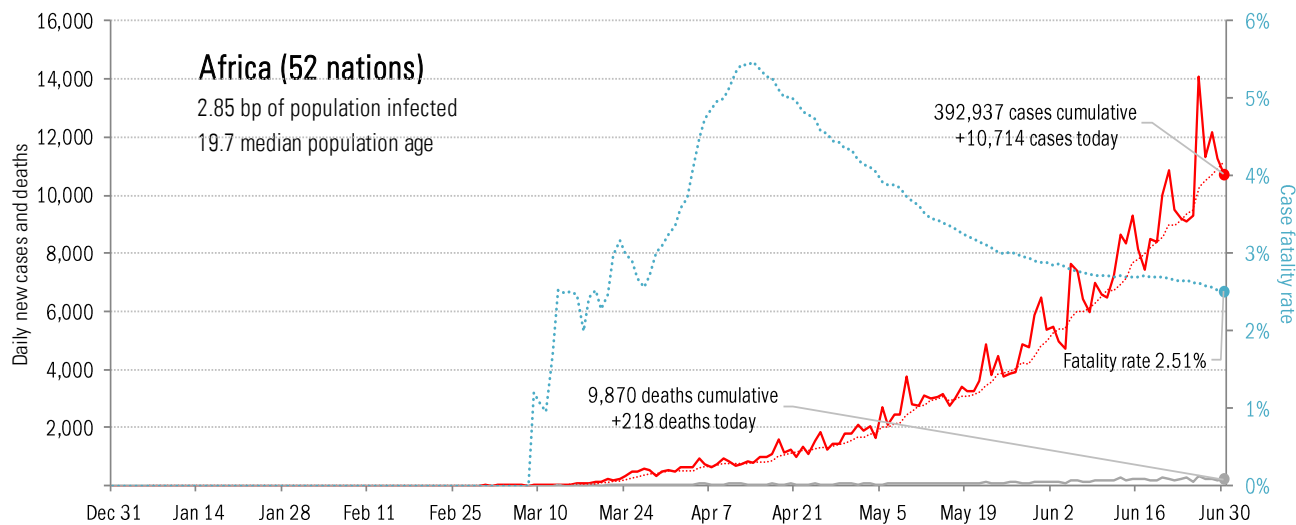
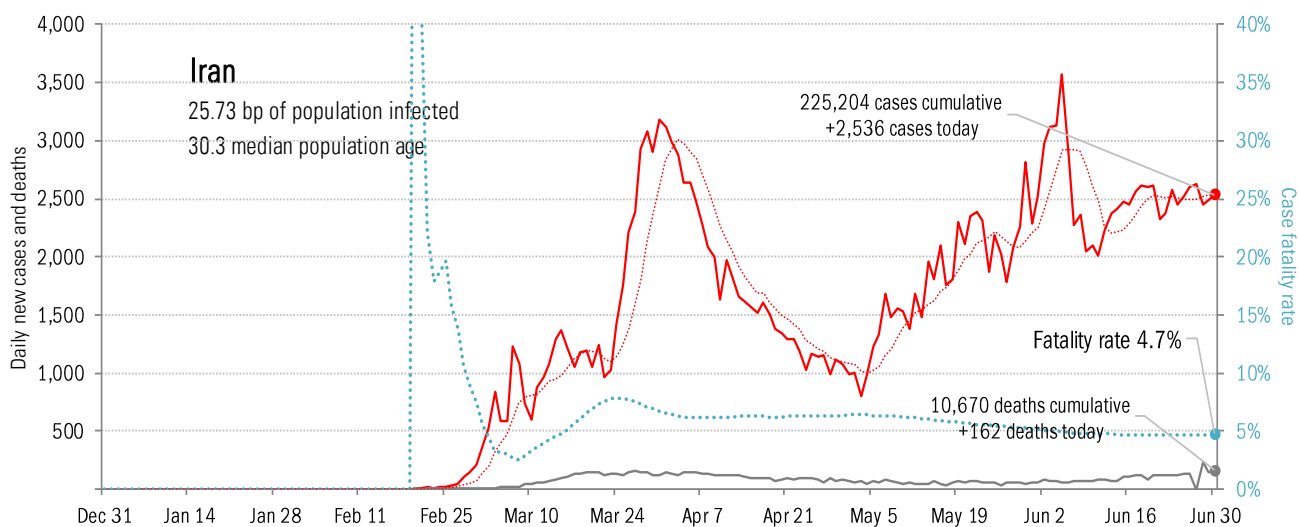
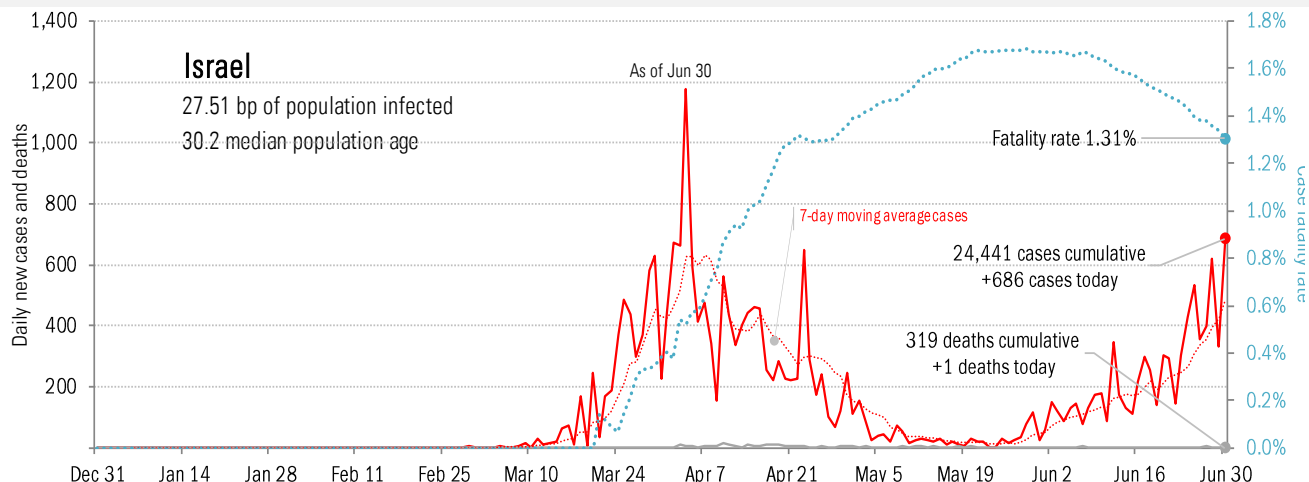
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations