

Data Insights: Covid-2019 Monitor

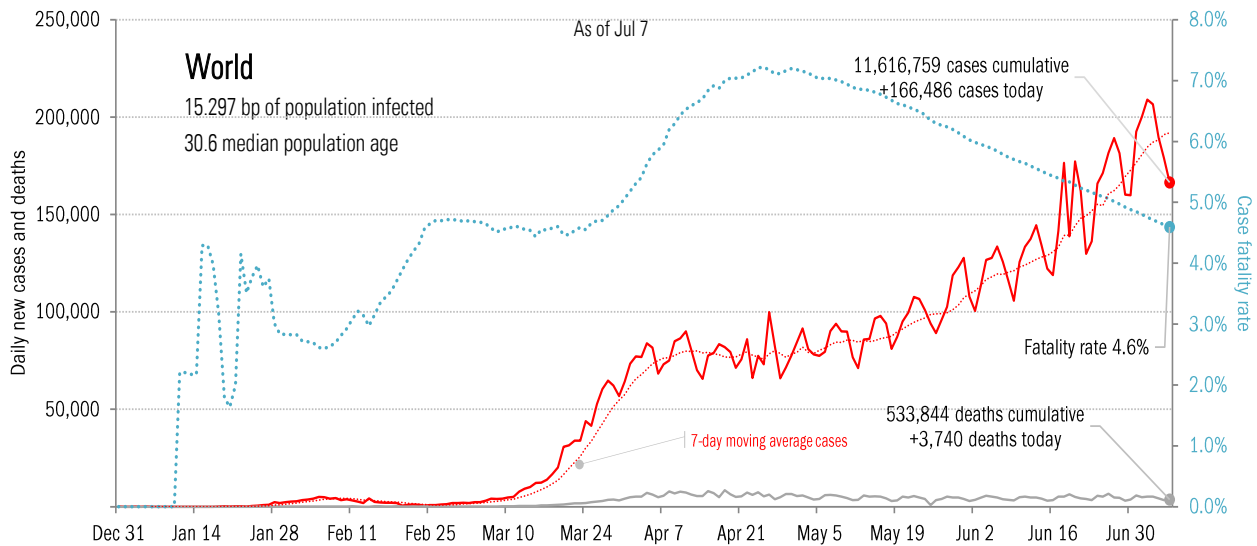
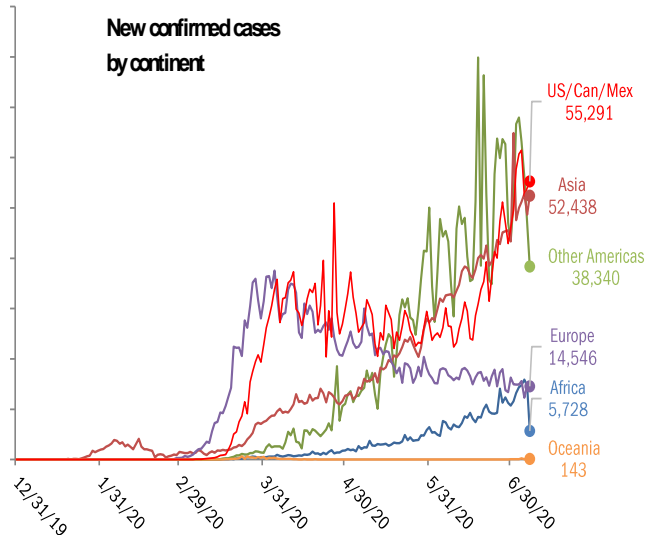
Tuesday, July 7, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+49,990	Brazil	+620
India	+22,252	Mexico	+480
Brazil	+20,229	India	+467
Russia	+6,611	US	+359
Mexico	+4,902	Peru	+183
Philippines	+4,503	Iran	+160
Saudi	+4,207	Colombia	+146
Bangladesh	+3,201	Russia	+135
Colombia	+3,171	Iraq	+94
Chile	+3,025	Egypt	+79
+122,091		+2,723	
World	+166,486	World	+3,740
Top ten	73%	Top ten	73%

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

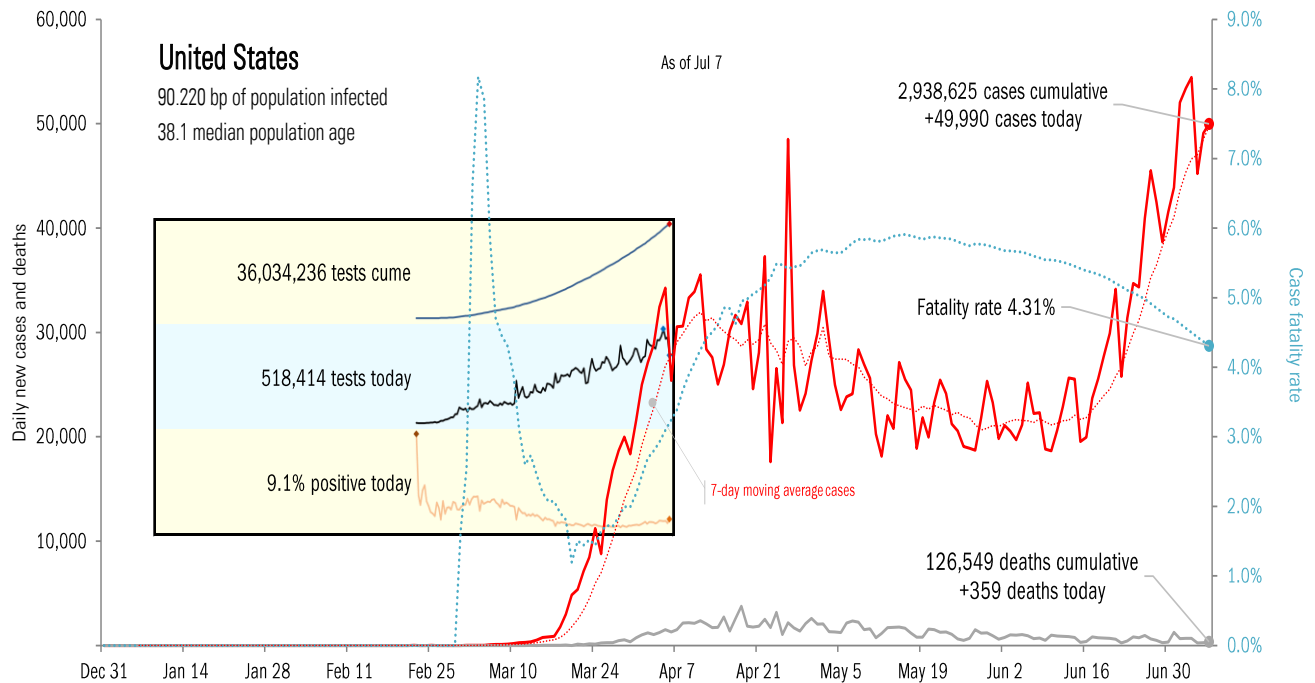
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
CA	+11,529	FL	+48	FL	+151	NY	397,649	NY	24,913	NY	89,995
FL	+6,336	GA	+18	GA	+144	CA	271,684	NJ	15,229	NJ	20,237
TX	+5,318	NJ	+18	CH	+77	FL	206,447	MA	8,198	FL	16,352
AZ	+3,352	TX	+18	CR	+56	TX	200,557	IL	7,236	GA	11,919
GA	+1,548	CH	+16	MN	+49	NJ	173,611	PA	6,754	MA	11,469
NC	+1,546	MA	+15	AR	+39	IL	148,987	CA	6,337	MD	11,096
SC	+1,533	NY	+9	IN	+31	MA	110,137	MI	6,221	CT	10,411
LA	+1,101	KY	+8	AZ	+27	AZ	101,441	CT	4,338	VA	9,592
AR	+1,044	LA	+8	TN	+26	GA	97,064	FL	3,880	CH	8,249
KS	+982	SC	+7	MD	+25	PA	90,304	LA	3,296	IN	7,285
+34,289		+165		+625		1,797,881		86,402		196,605	
All states	+47,375	All states	+242	All states	+794	All states	2,928,418	All states	122,915	All states	249,539
Top ten	72%	Top ten	68%	Top ten	79%	Top ten	61%	Top ten	70%	Top ten	79%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-3,723	CA	-12	AZ	-66	NC	+9,780
LA	-836	TX	-11	MD	-12	TX	+2,939
GA	-649	MD	-4	VA	-11	MS	+2,779
TN	-567	NJ	-4	FL	-10	AR	+1,108
NV	-352	VA	-4	IN	-7	TN	+766



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

Recommended reading

[Facts about Covid-19](#)

Swiss Policy Research
June 2020

[Women's Roller Derby Has a Plan for Covid, and It Kicks Ass](#)

Christie Aschwanden
Wired
July 2, 2020

[Heart conditions drove spike in deaths beyond those attributed to covid-19, analysis shows](#)

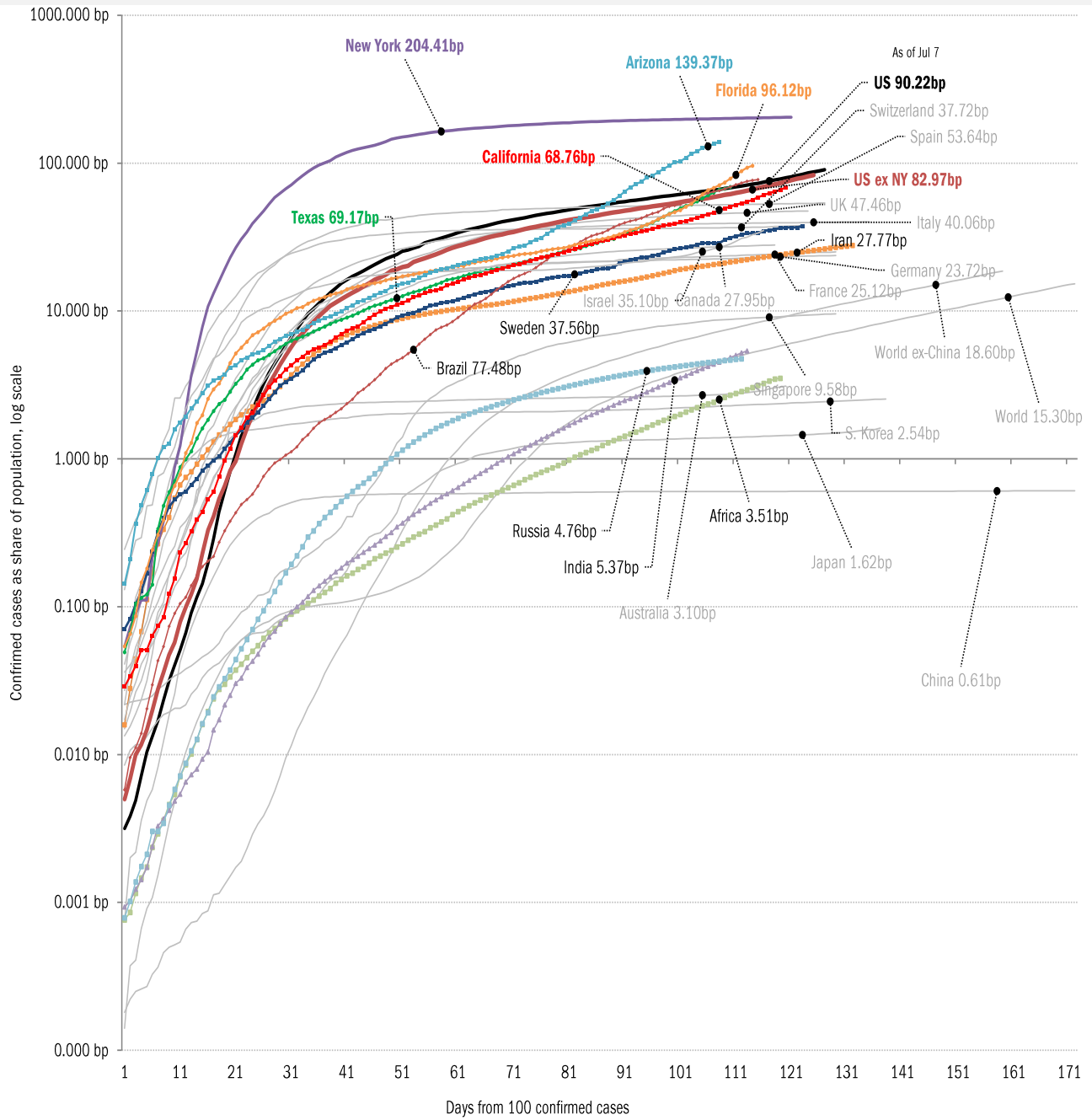
Reis Thebault, Lenny Bernstein, Andrew Ba Tran and Youjin Shin
Washington Post
July 2, 2020

Meme of the day



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

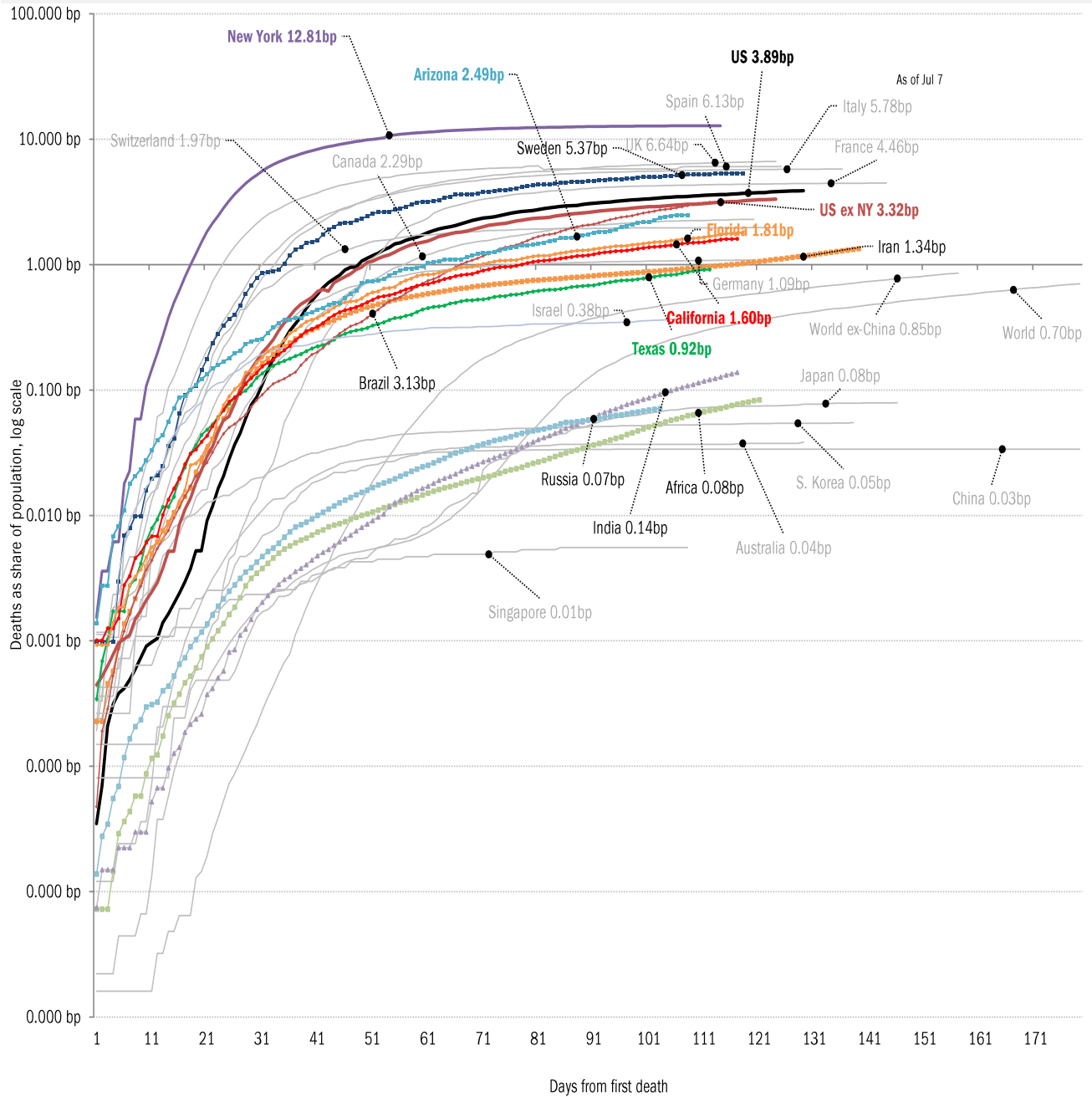
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

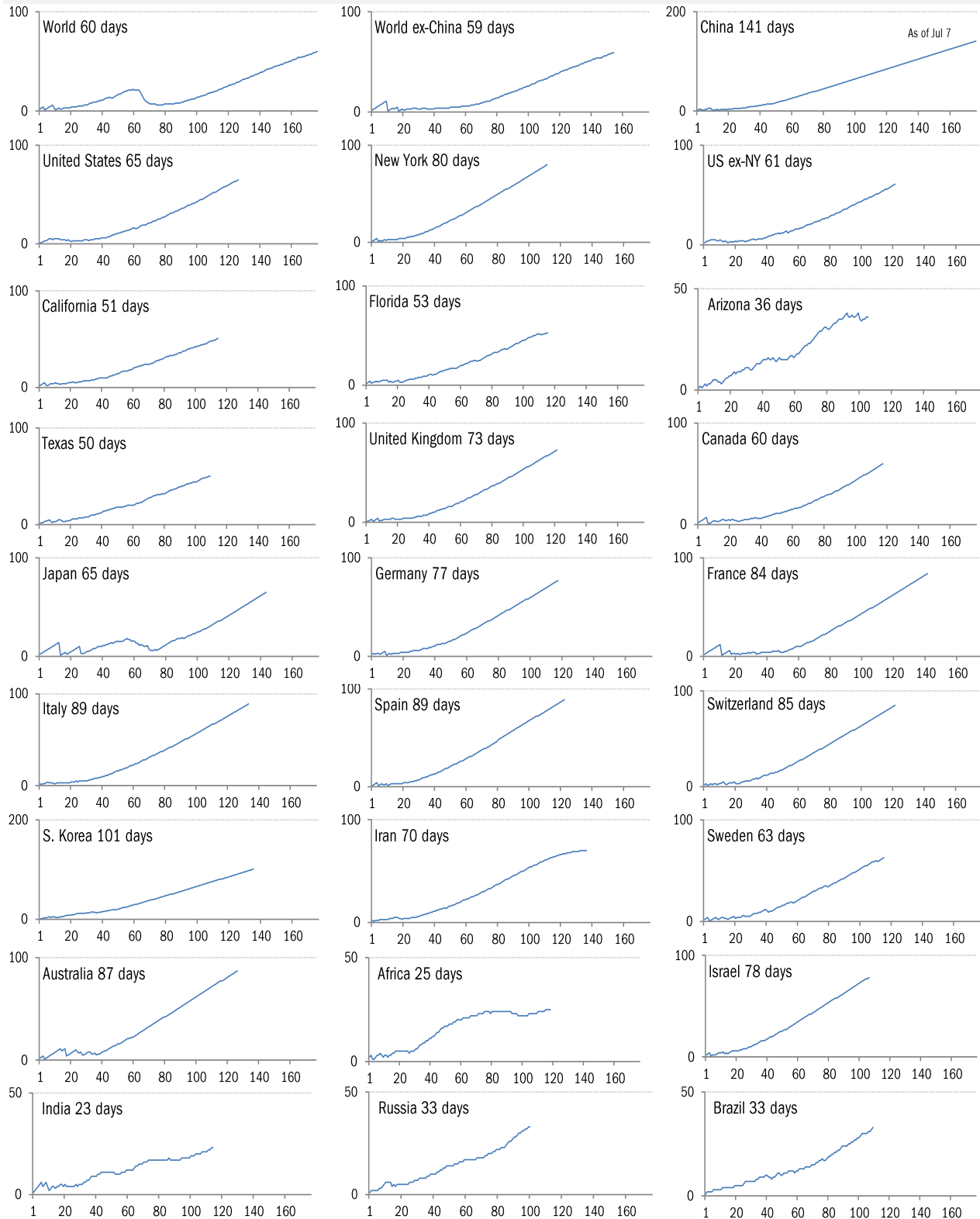
Share of deceased population from day of first fatality



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

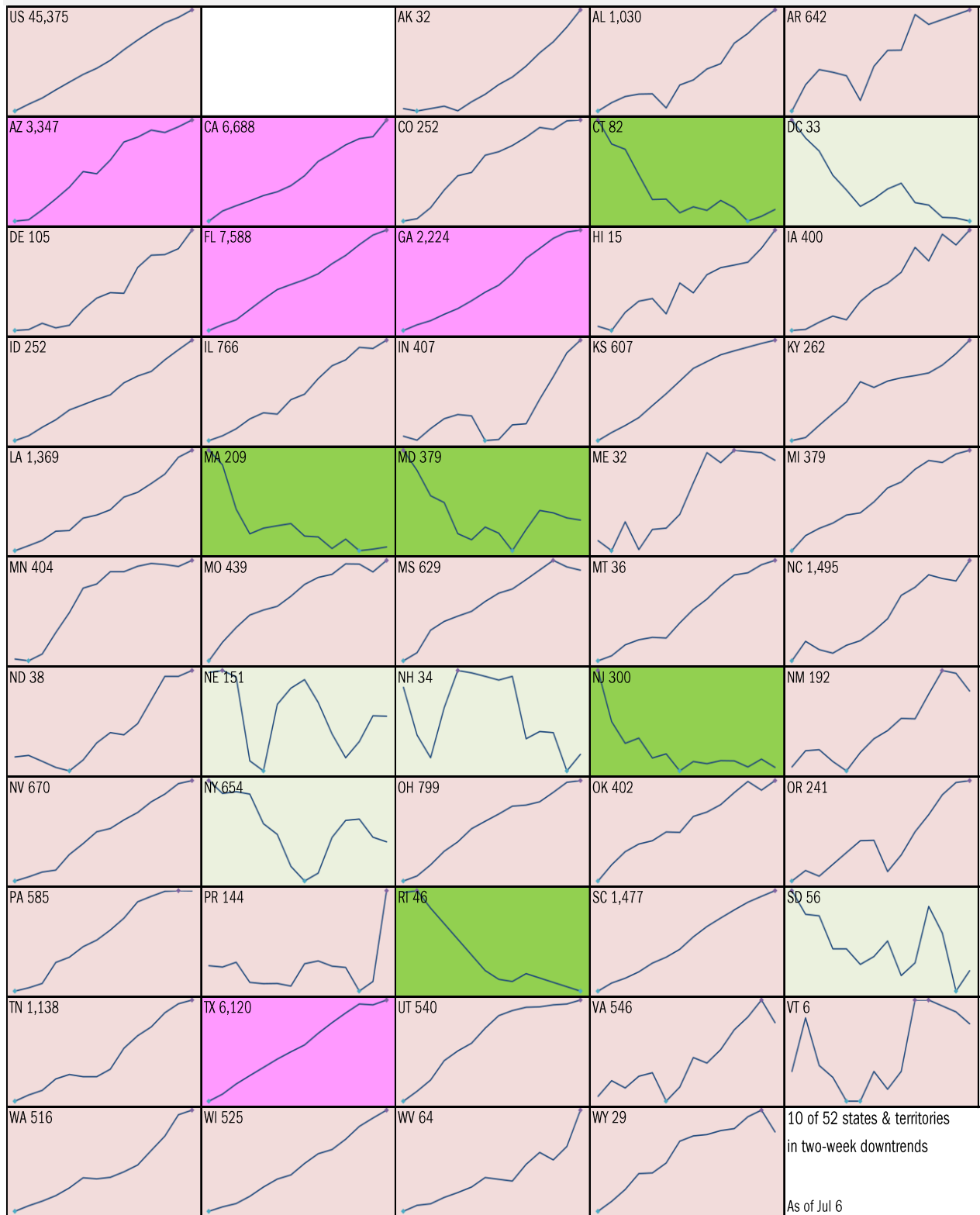


Source: [ECDC](#), TrendMacro calculations

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

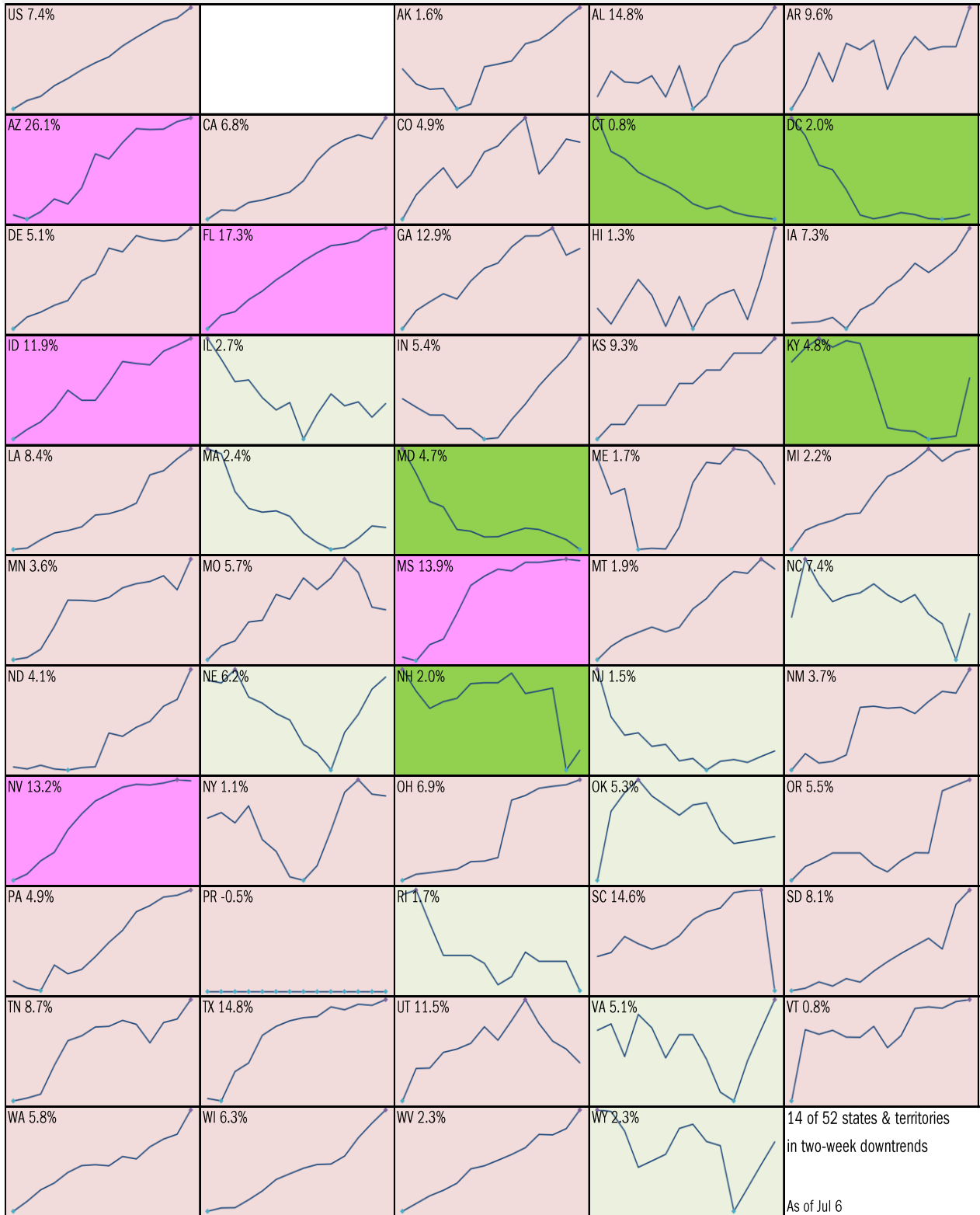


Source: [Covid Tracking Project](#), TrendMacro calculations

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

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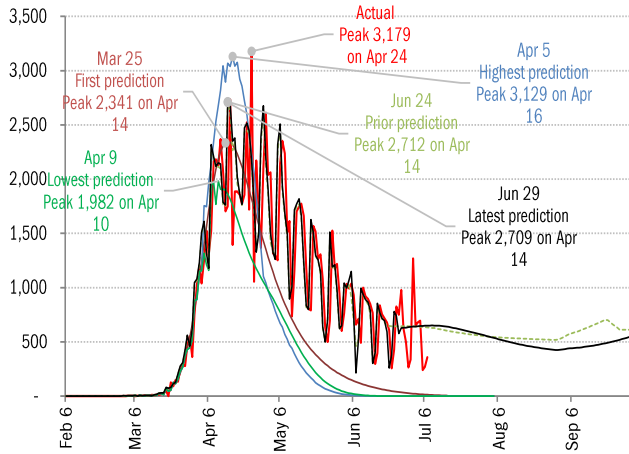
Source: [Covid Tracking Project](#), TrendMacro calculations

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

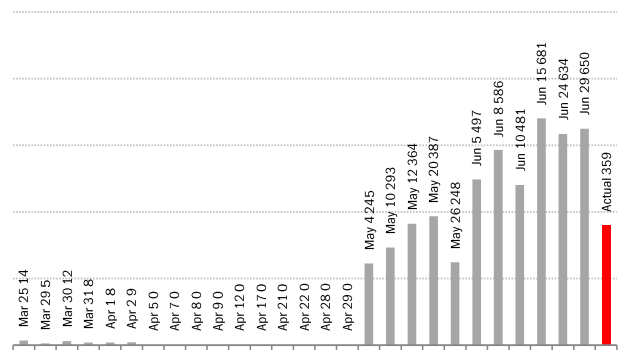
New daily fatalities

As of Jul 7

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

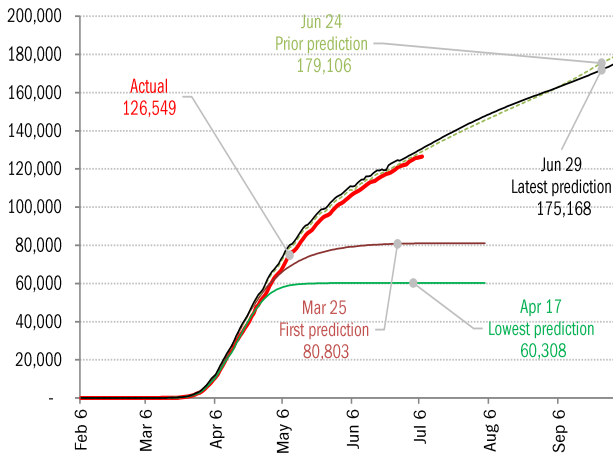


For this day, versus all model mean predictions

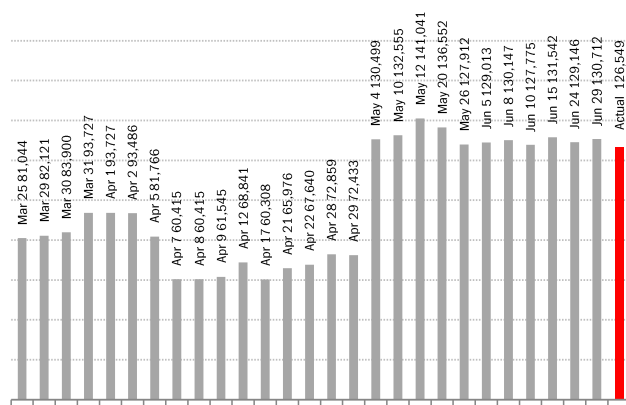


Cumulative fatalities

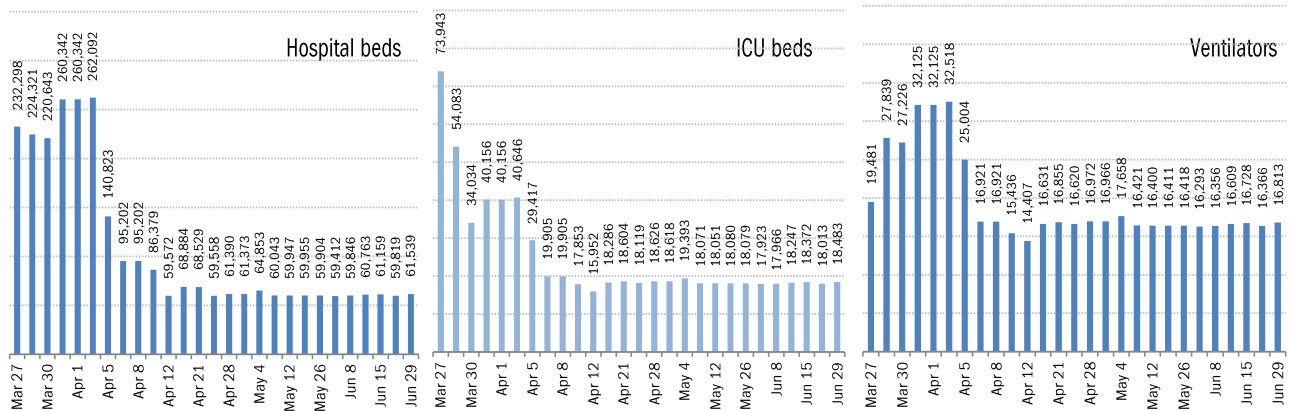
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

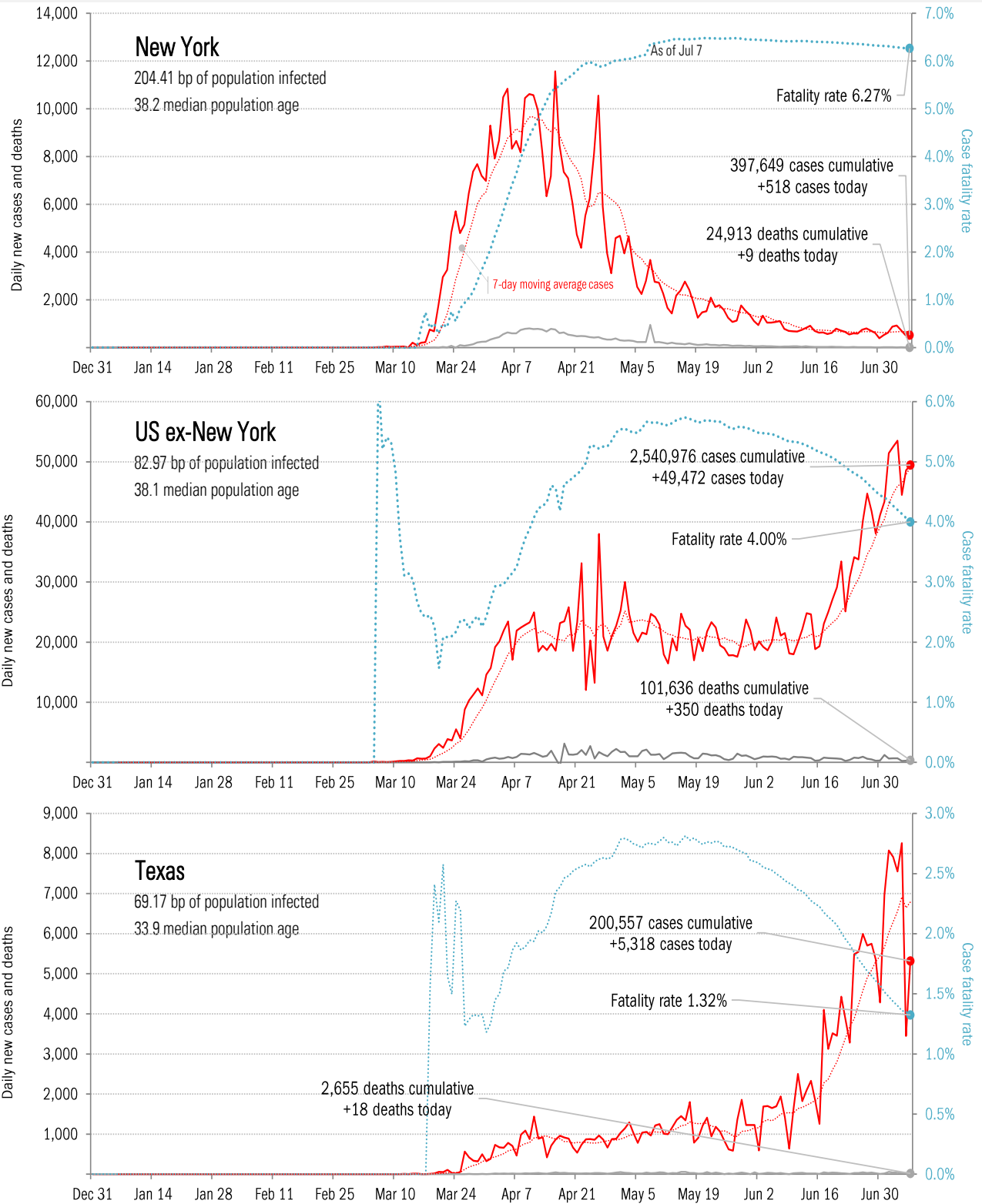


Healthcare system stress, peak estimated at each model revision



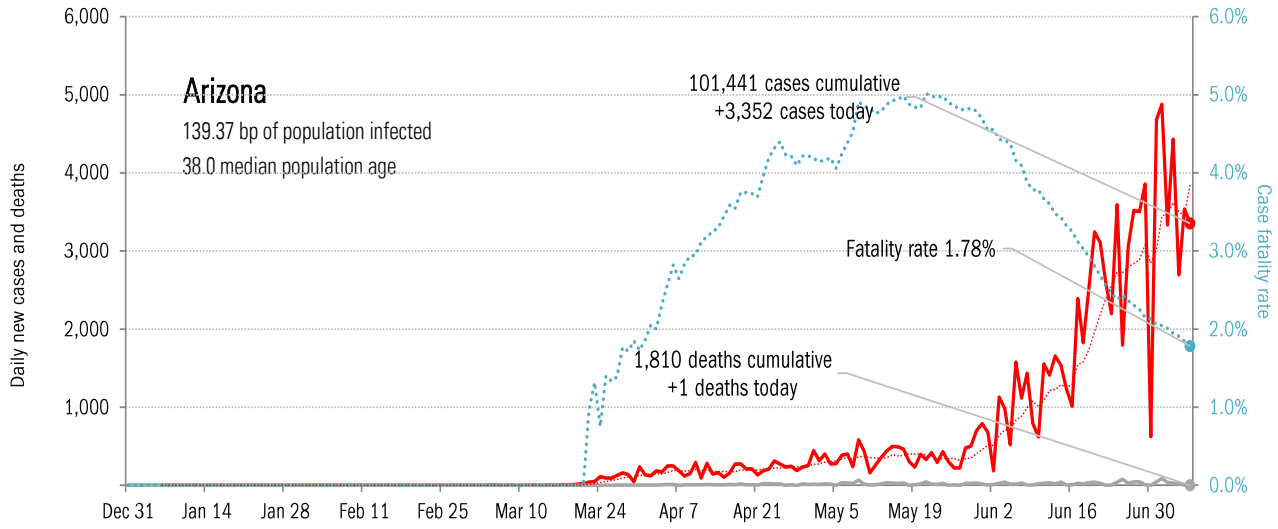
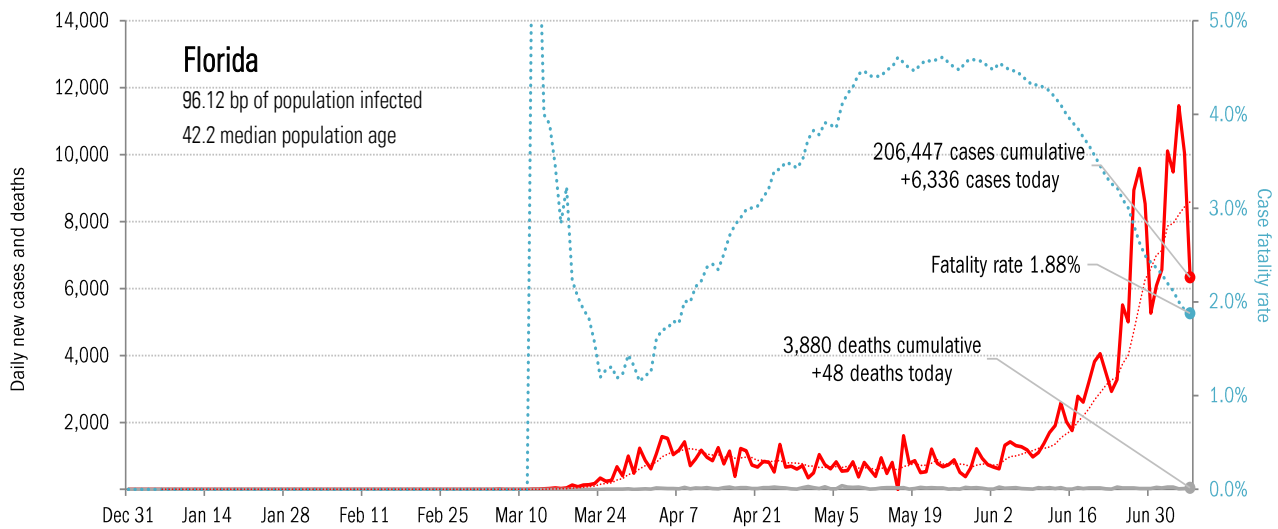
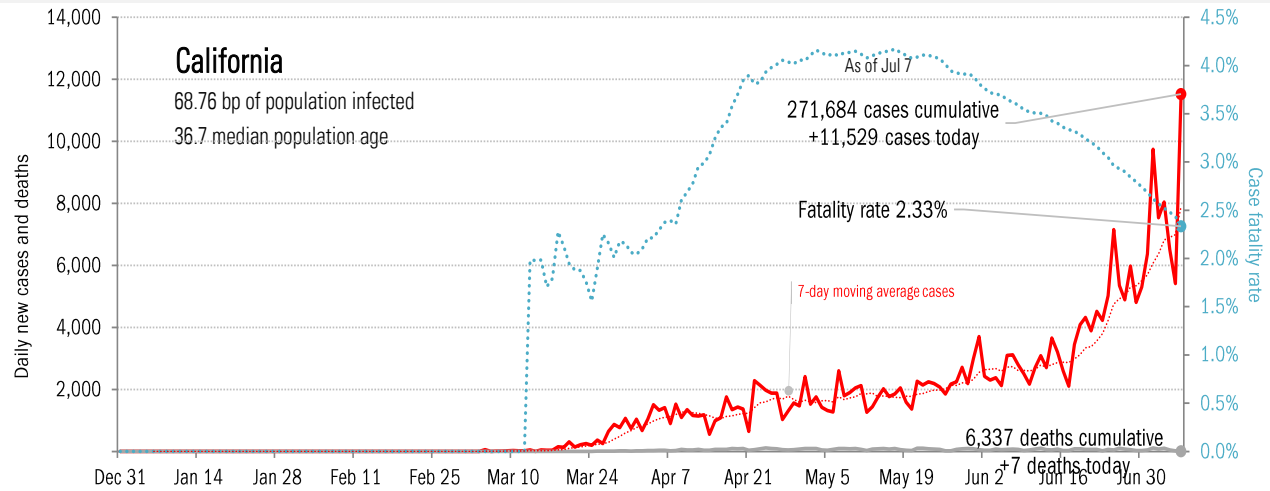
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



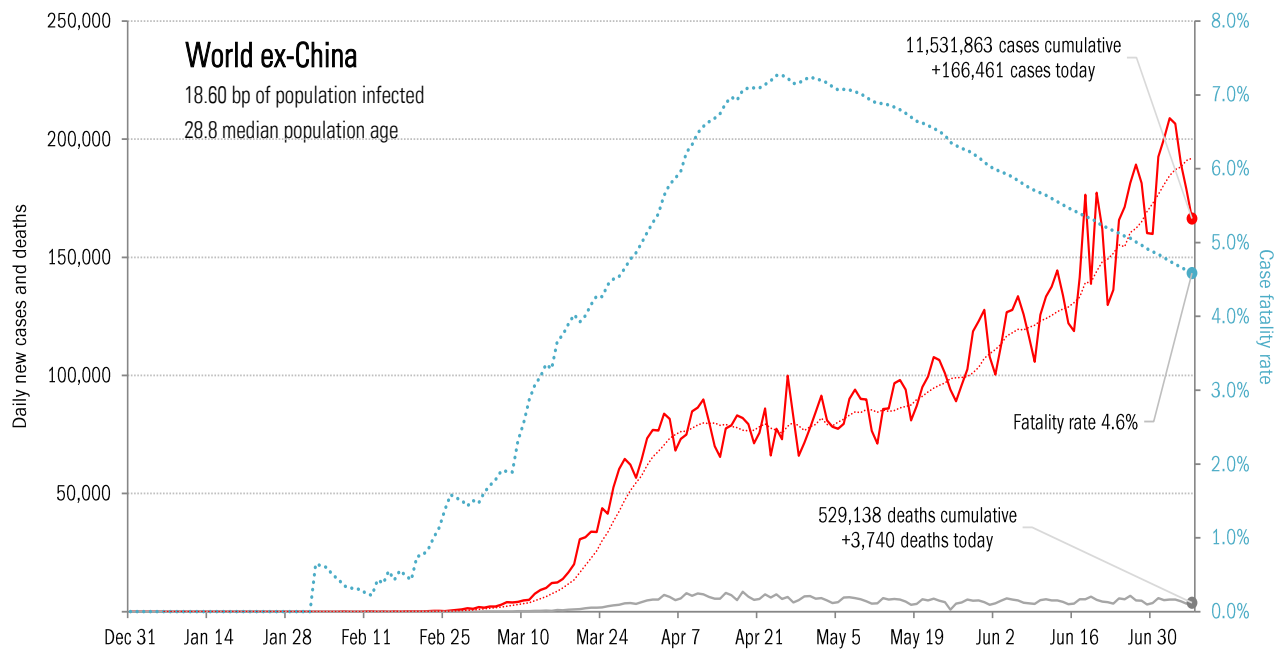
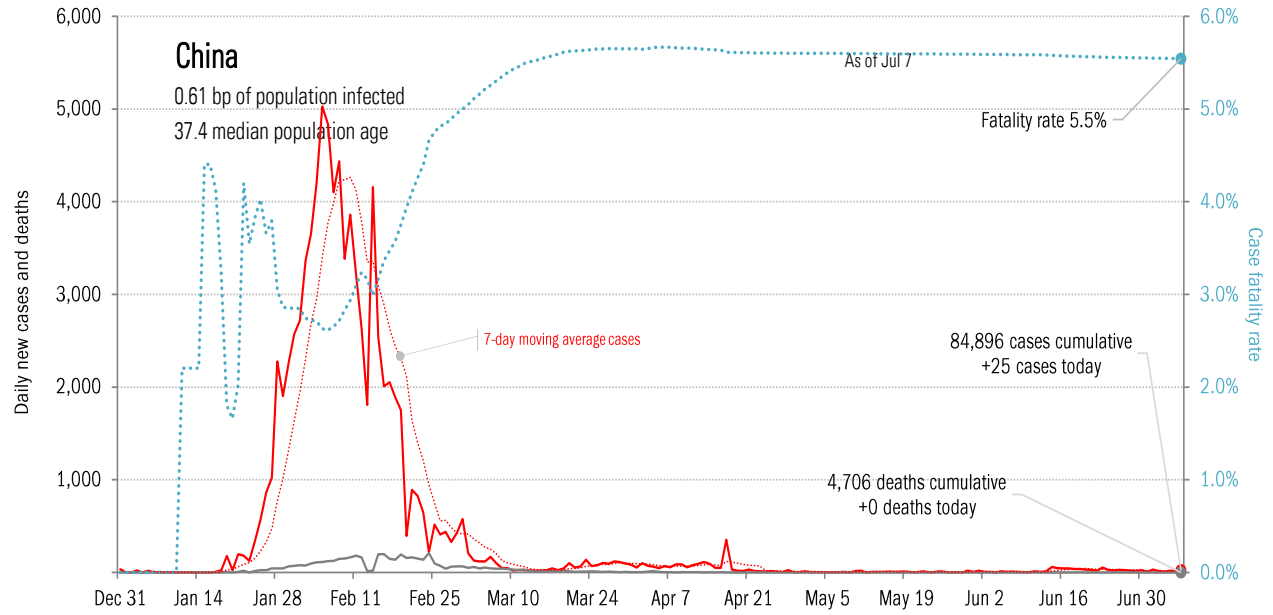
Source: [ECDC](#), TrendMacro calculations

The "second wave" states (other than Texas)



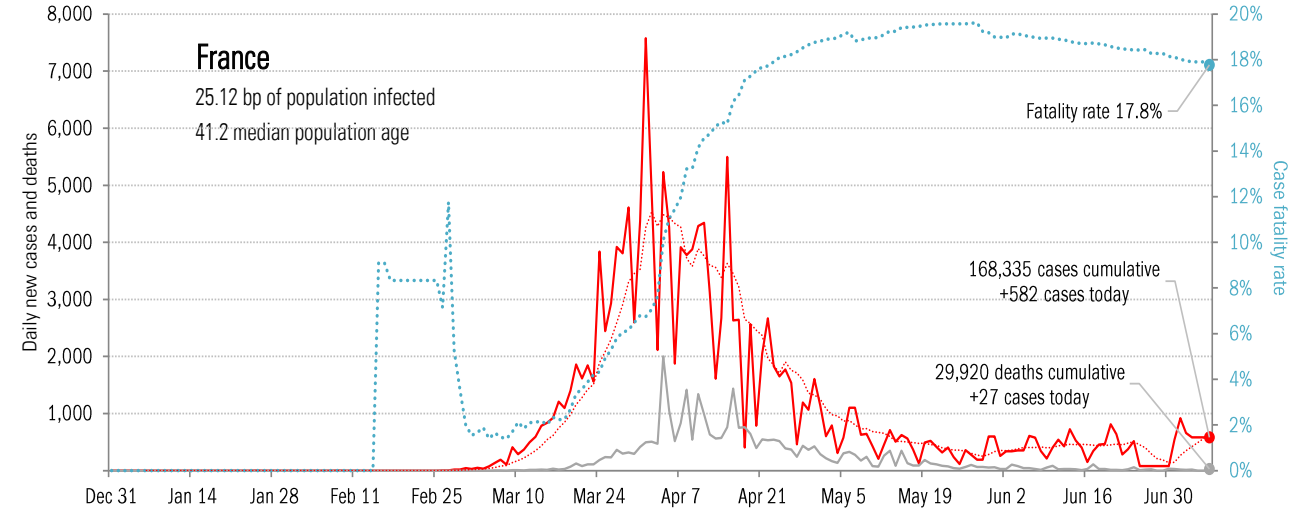
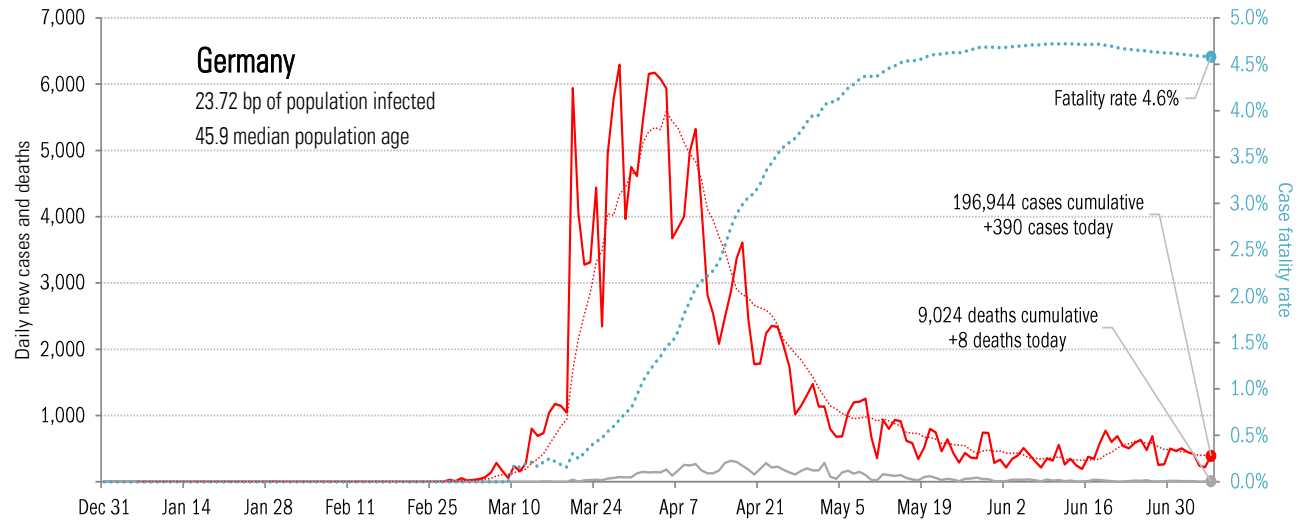
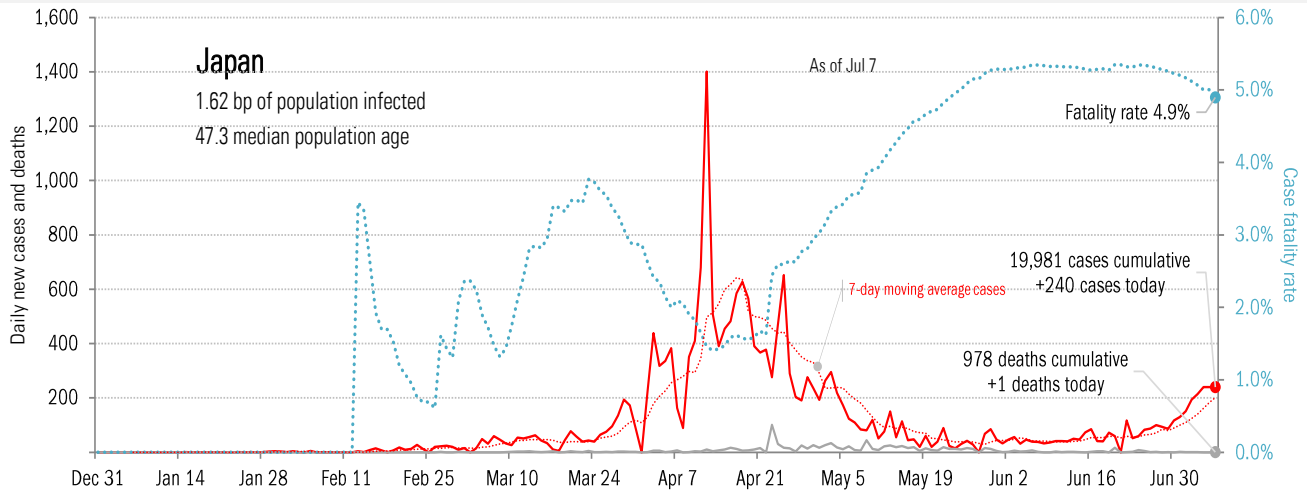
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



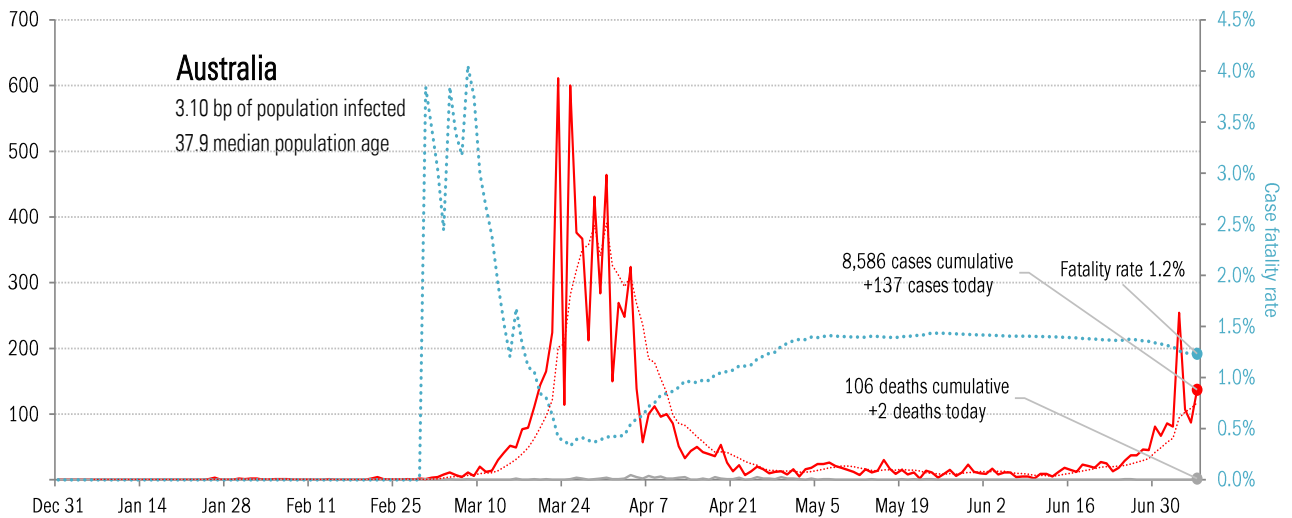
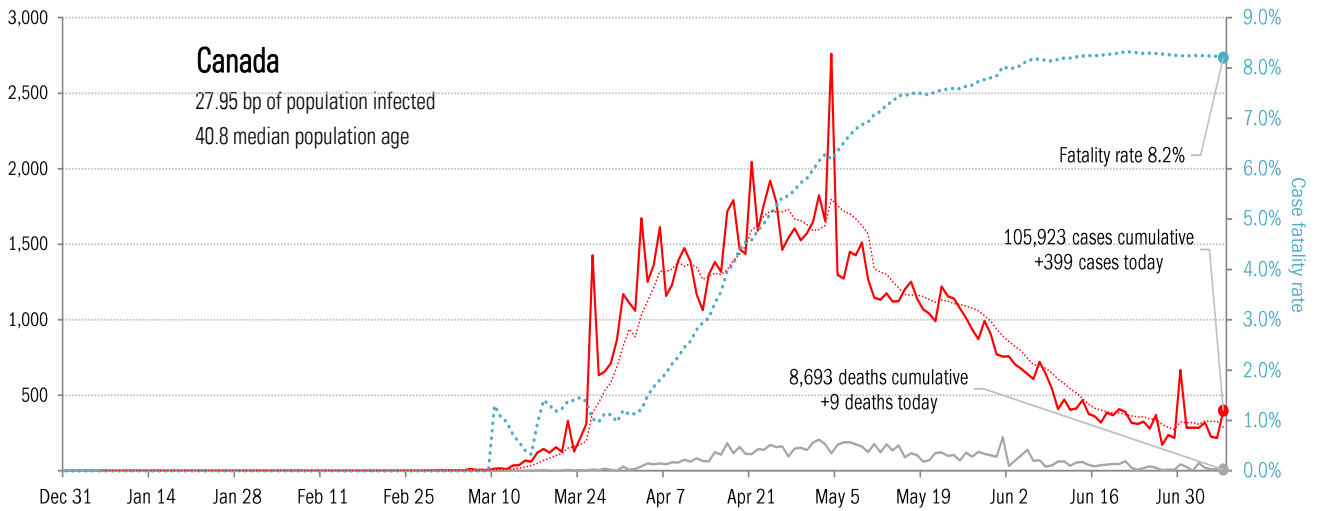
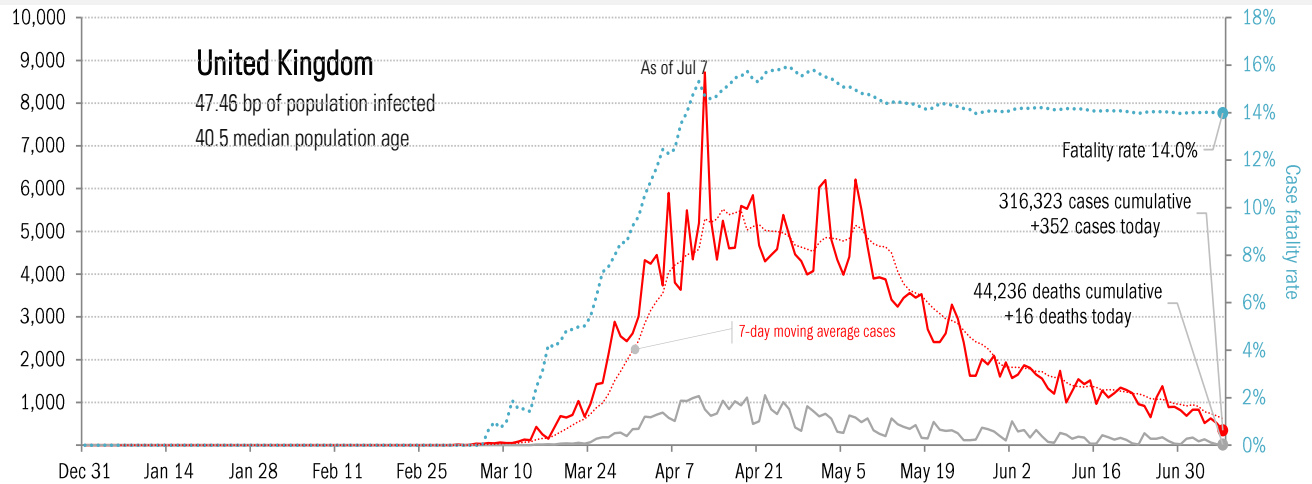
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



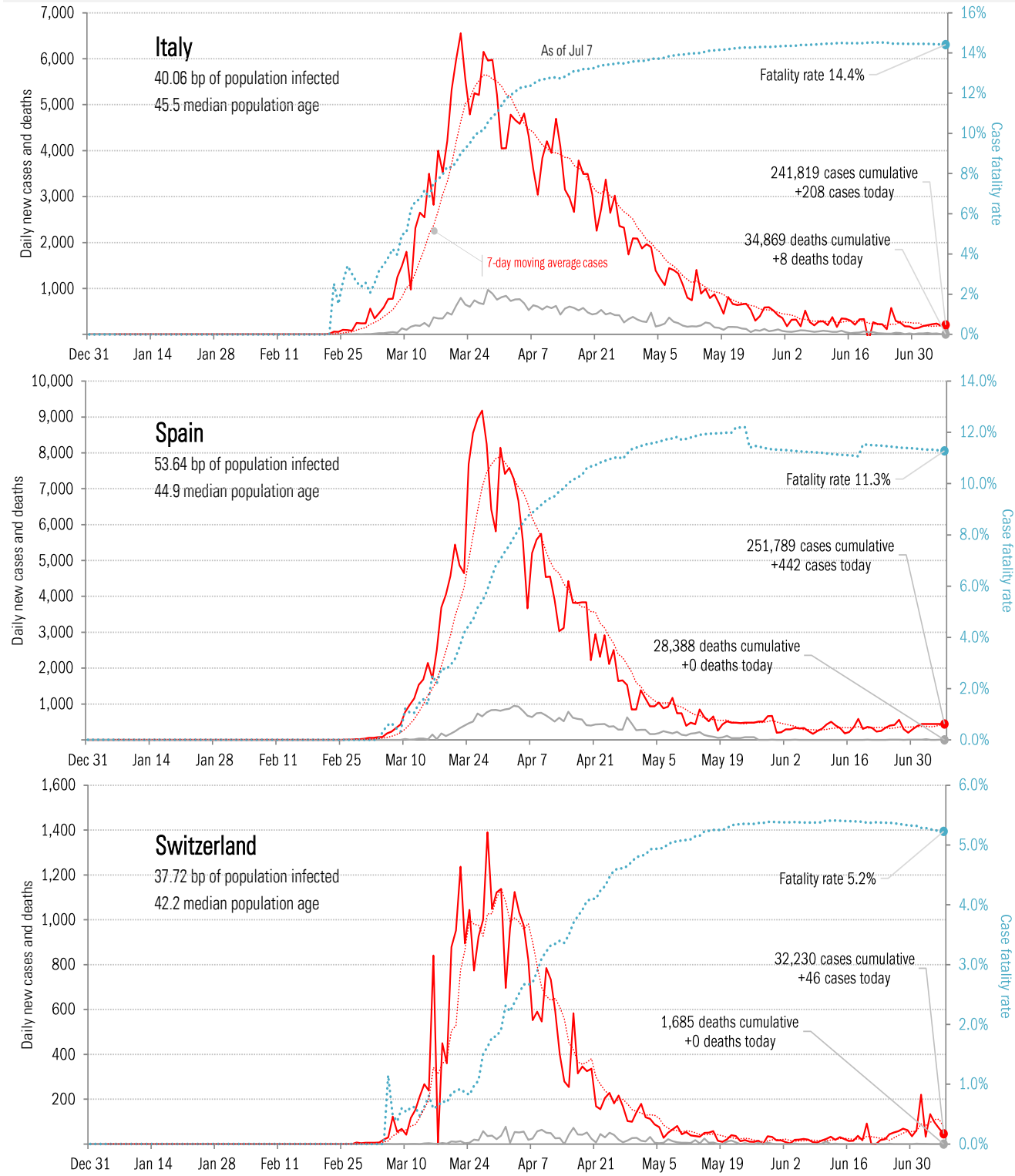
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



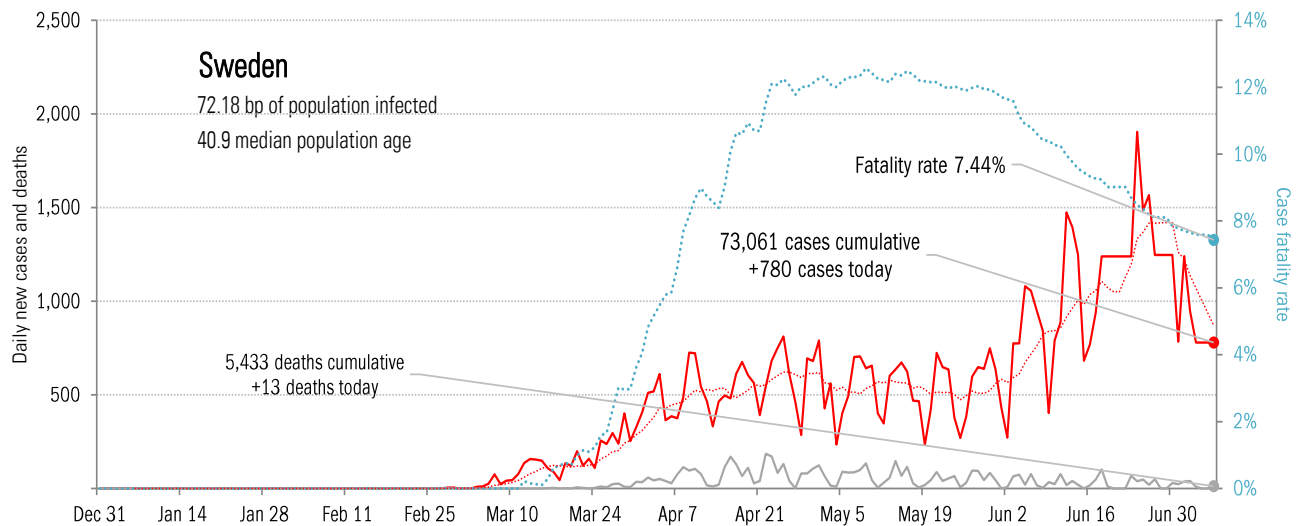
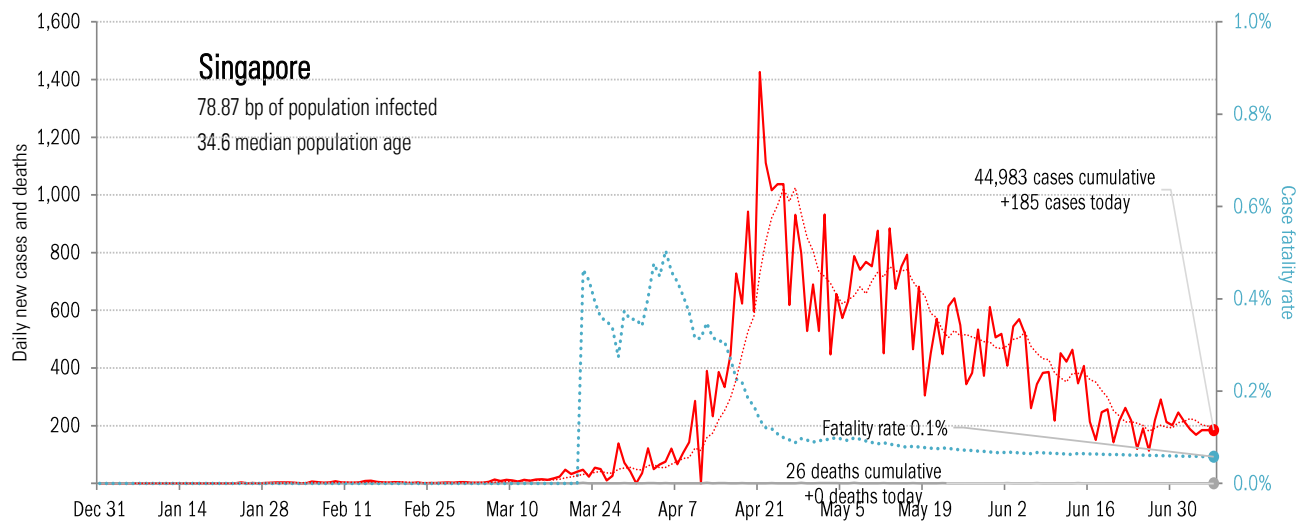
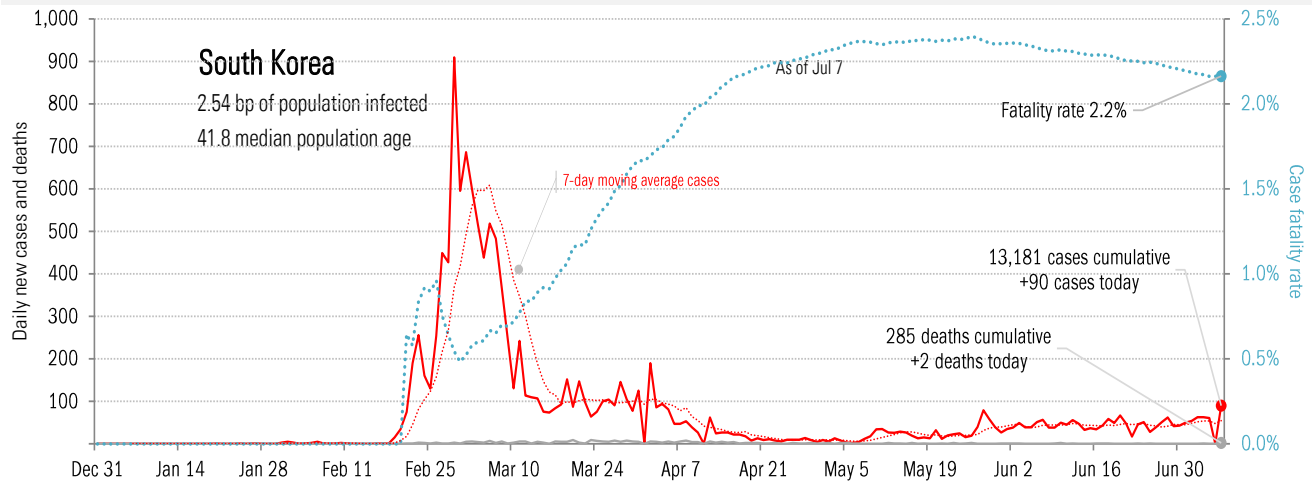
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



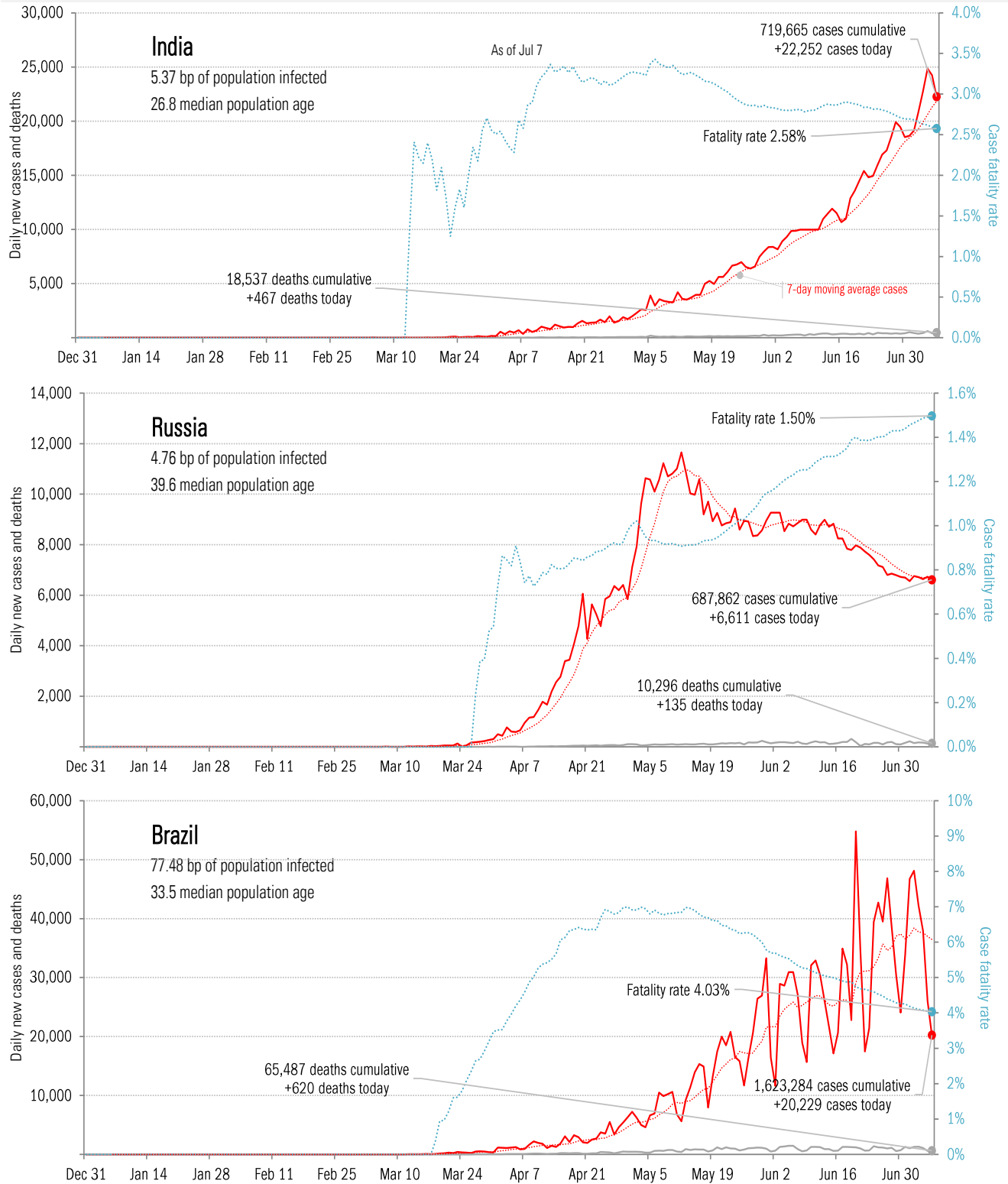
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



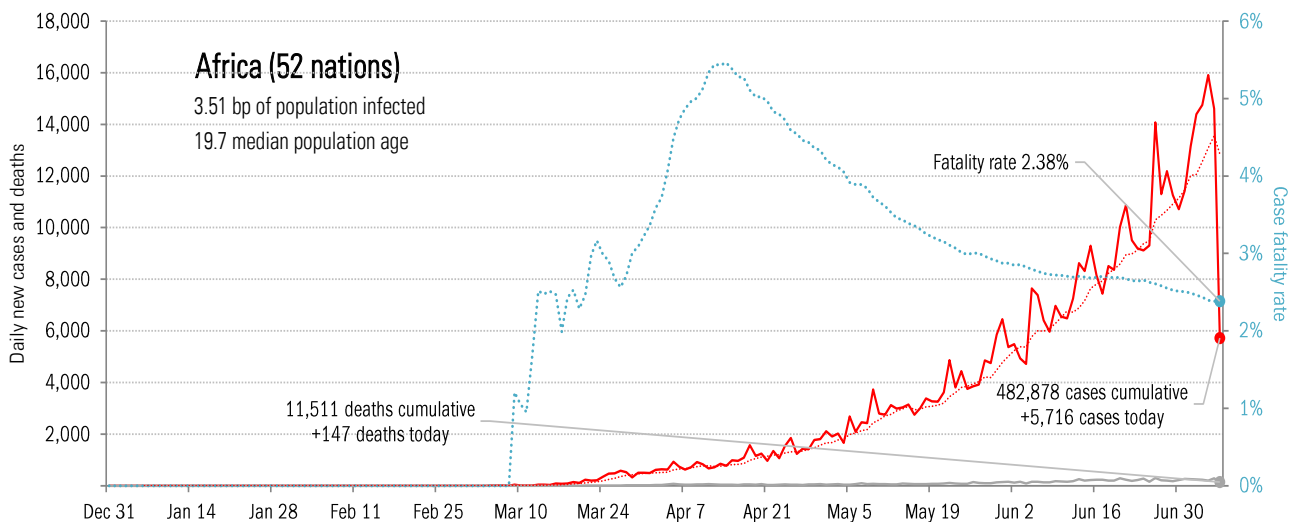
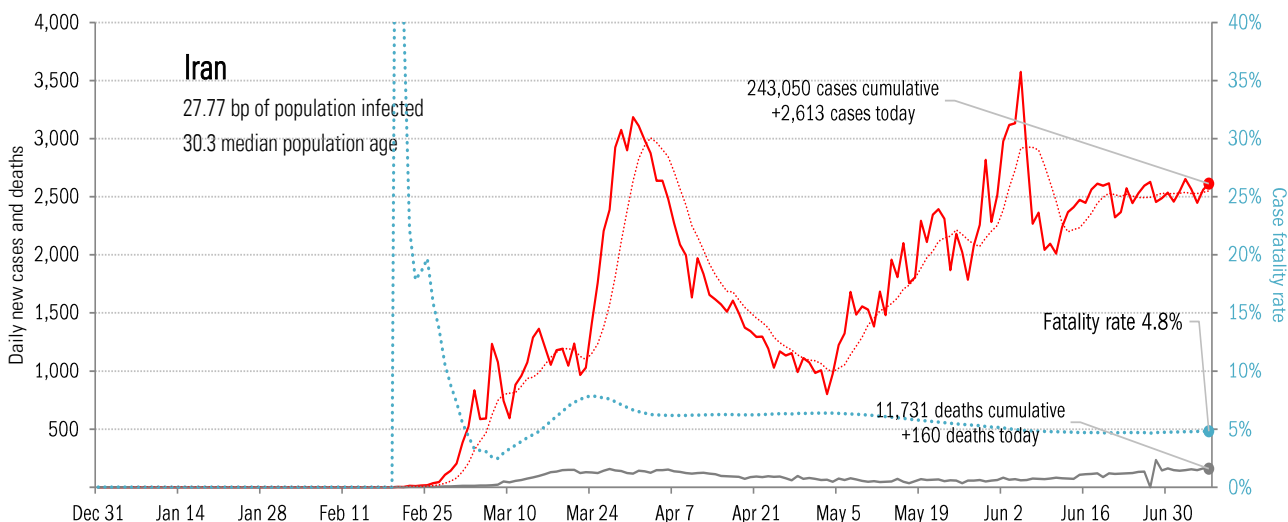
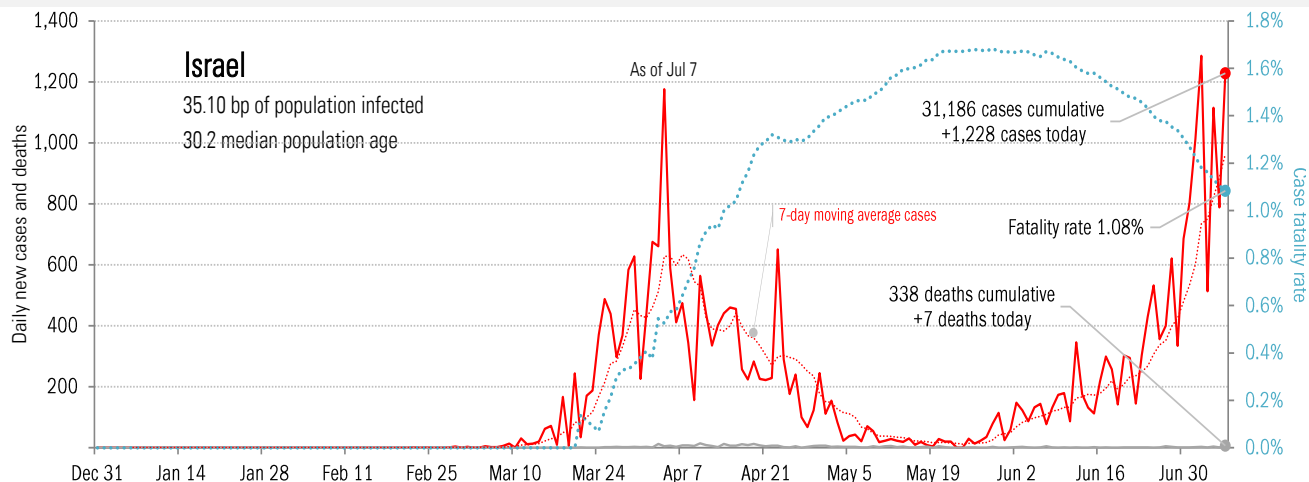
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations