

Data Insights: Covid-2019 Monitor

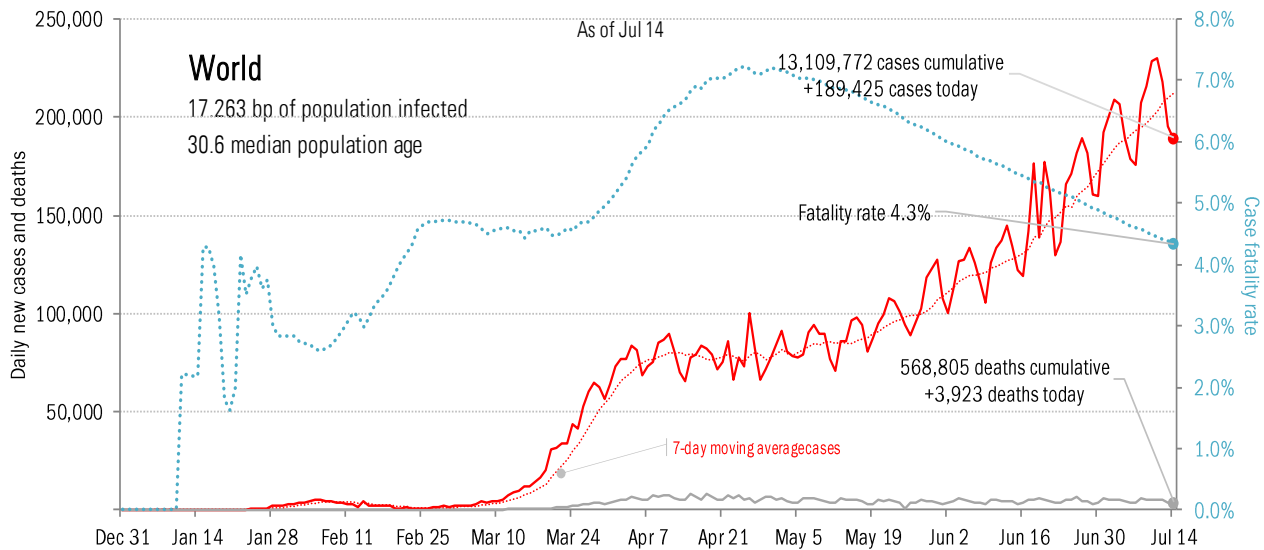
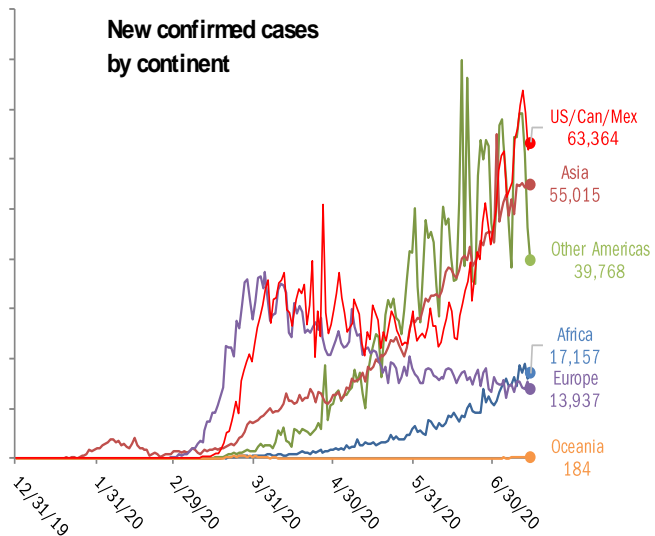
Tuesday, July 14, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+58,114	Brazil	+733
India	+28,498	India	+553
Brazil	+20,286	Mexico	+443
South_Africa	+11,554	US	+400
Russia	+6,537	Iran	+203
Mexico	+4,685	Peru	+184
Peru	+3,797	Egypt	+166
Colombia	+3,782	Colombia	+148
Bangladesh	+3,099	Russia	+104
Argentina	+2,952	Iraq	+100
+143,304		+3,034	
World +189,425		World +3,923	
Top ten 76%		Top ten 77%	

New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

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The US scorecard

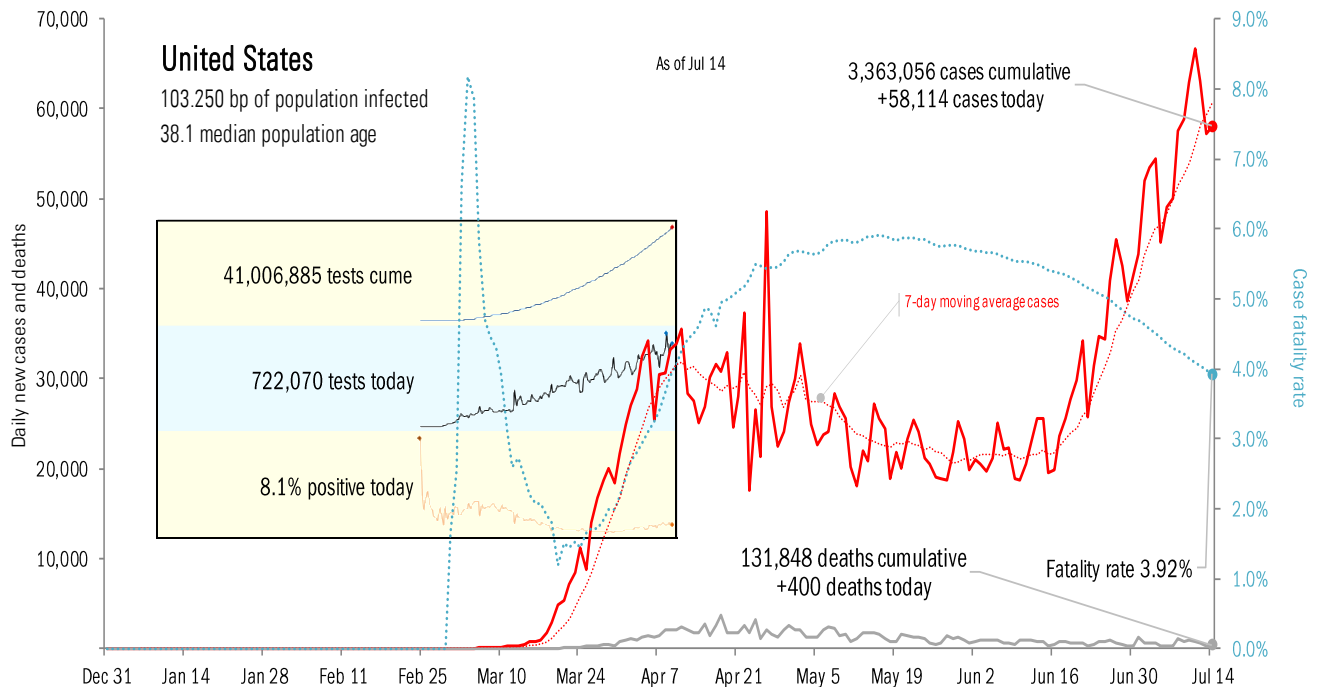
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
FL	+12,624	TX	+43	FL	+227	NY	402,263	NY	24,989	NY	89,995
CA	+8,358	FL	+35	GA	+217	CA	329,162	NJ	15,560	NJ	20,632
TX	+5,655	GA	+25	VA	+104	FL	282,435	MA	8,330	FL	18,817
GA	+3,643	CA	+23	WA	+89	TX	264,313	IL	7,394	GA	13,476
TN	+3,314	CT	+23	CH	+73	NJ	175,522	CA	7,040	MA	11,611
AL	+1,958	NJ	+19	CR	+54	IL	155,931	PA	6,911	MD	11,467
NC	+1,827	MO	+14	IN	+47	AZ	123,824	MI	6,321	CT	10,552
LA	+1,705	WA	+14	MD	+47	GA	120,569	FL	4,381	VA	10,459
SC	+1,520	SC	+11	AZ	+44	MA	111,827	CT	4,371	CH	8,915
KS	+1,447	NY	+10	KS	+39	PA	95,742	LA	3,423	IN	7,574
+42,051		+217		+941		2,061,588		88,720		203,498	
All states	+58,465	All states	+327	All states	+1,214	All states	3,350,434	All states	128,004	All states	264,865
Top ten	72%	Top ten	66%	Top ten	78%	Top ten	62%	Top ten	69%	Top ten	77%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-2,676	AZ	-78	AR	-28	NC	+11,806
TX	-2,541	CA	-49	TN	-23	TX	+3,781
AZ	-1,180	TX	-37	FL	-22	MS	+3,765
AR	-992	MS	-18	IN	-22	TN	+1,141
MS	-475	CH	-16	MD	-20	MN	+617



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

Recommended reading

[State Bar Group Calls for 'Mandatory' COVID-19 Vaccinations, Regardless of Objections](#)

Bryan Pietsch
New York Times
July 13, 2020

[Phoenix Mayor Peddles Misinformation About Hospital Morgue Space To Pick Partisan Fight](#)

Tristan Justice
Federalist
July 10, 2020

[Los Angeles Public Schools Won't Open in Fall as Covid-19 Crisis Continues](#)

Tawnell D. Hobbs
Wall Street Journal
July 13, 2020

[NBC Contributor Reveals He Never Tested Positive For COVID After Network Followed His Alleged Recovery](#)

Tristan Justice
Federalist
July 10, 2020

[L.A. teachers union says schools can't reopen unless charter schools get shut down, police defunded](#)

Daniel Payne
Just the News
July 11, 2020

[It's Not Safe to Keep Schools Closed](#)

Phil Kerpen
Committee to Unleash Prosperity
July 2020

[Data suggest Florida's record-breaking coronavirus days may have been inflated by as much as 30%](#)

Daniel Payne
Just the News
July 10, 2020

[Covid-19 in schoolchildren A comparison between Finland and Sweden](#)

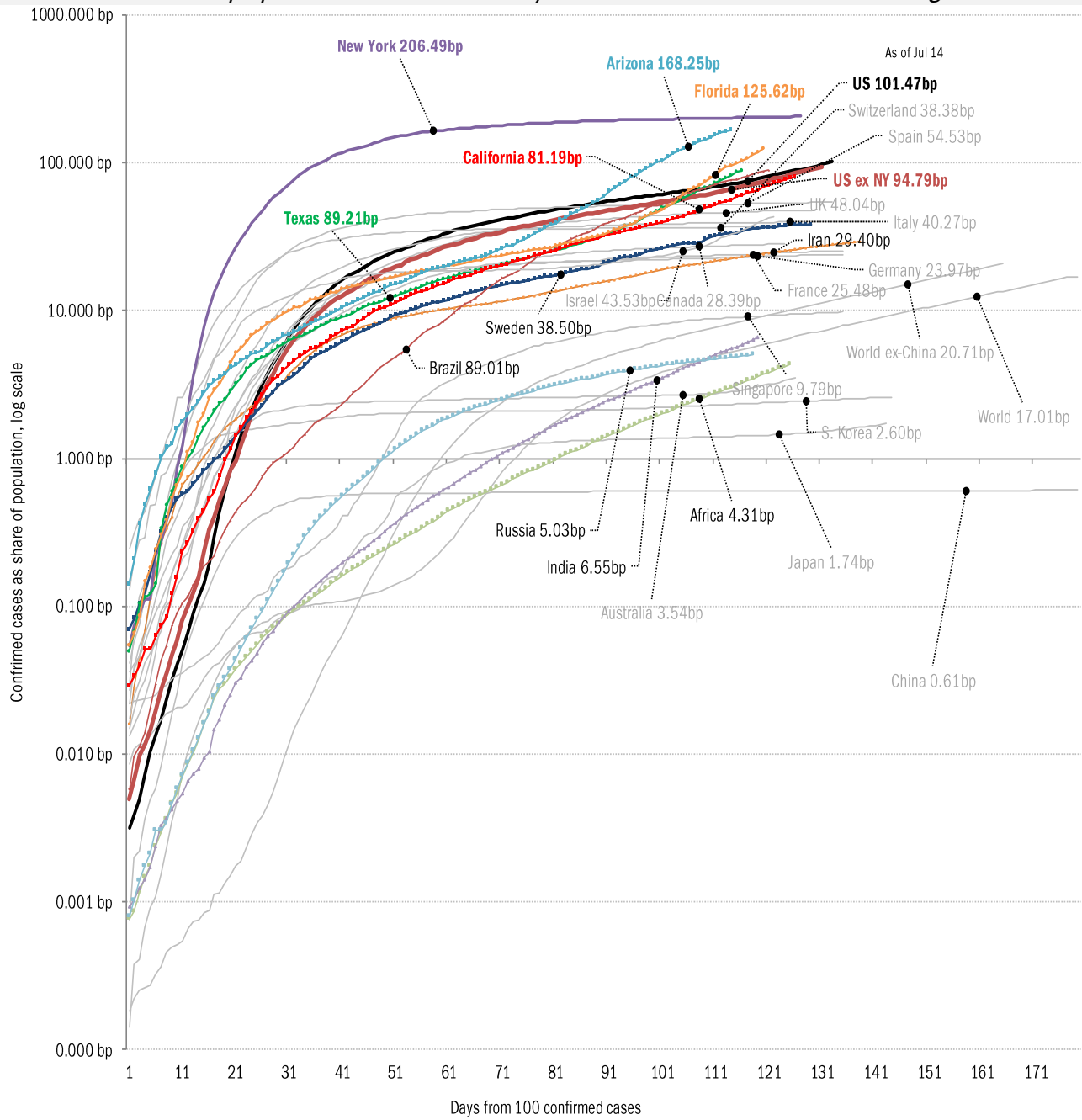
Public Health Agency of Sweden
July 2020

Meme of the day



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

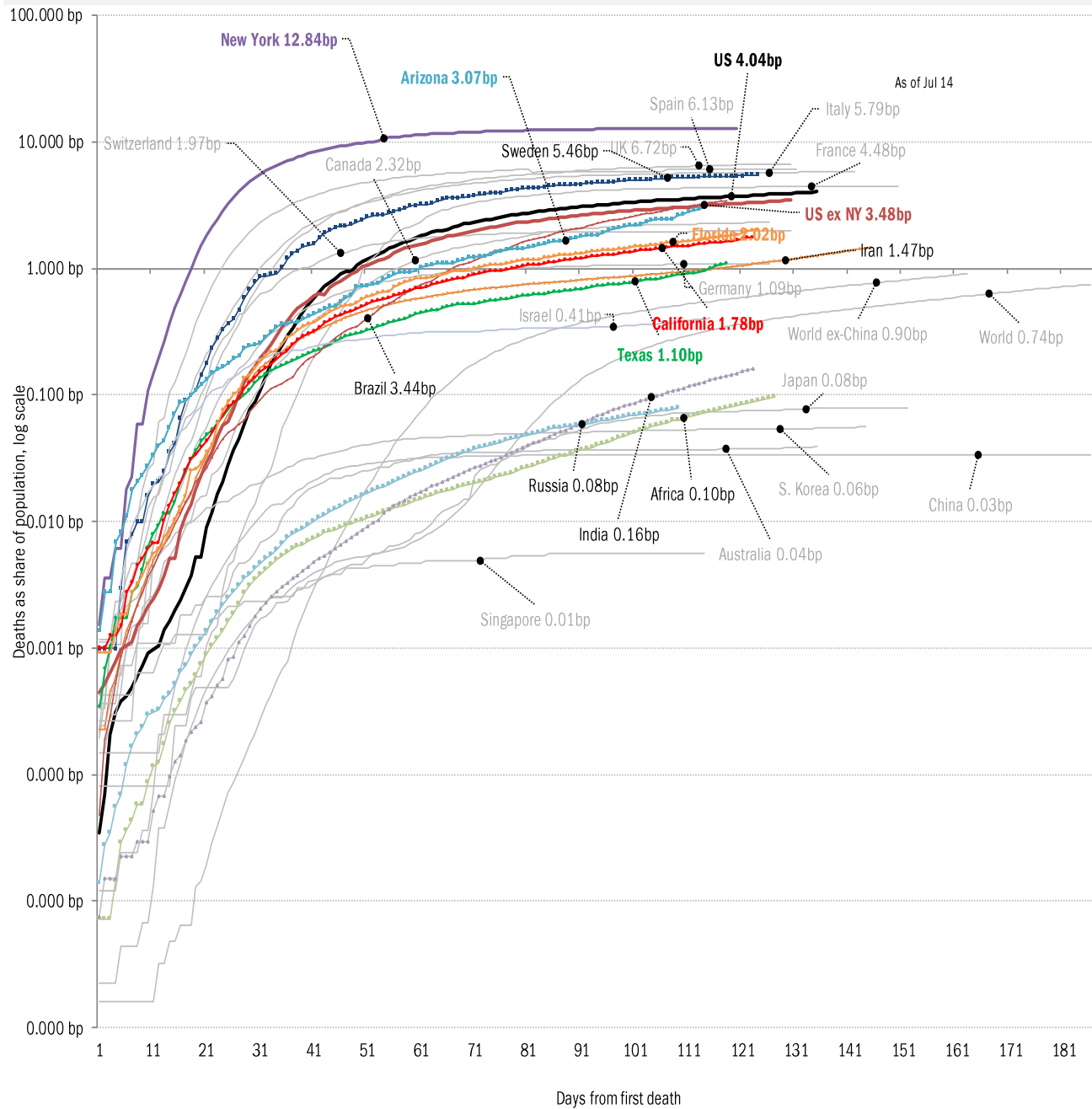
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

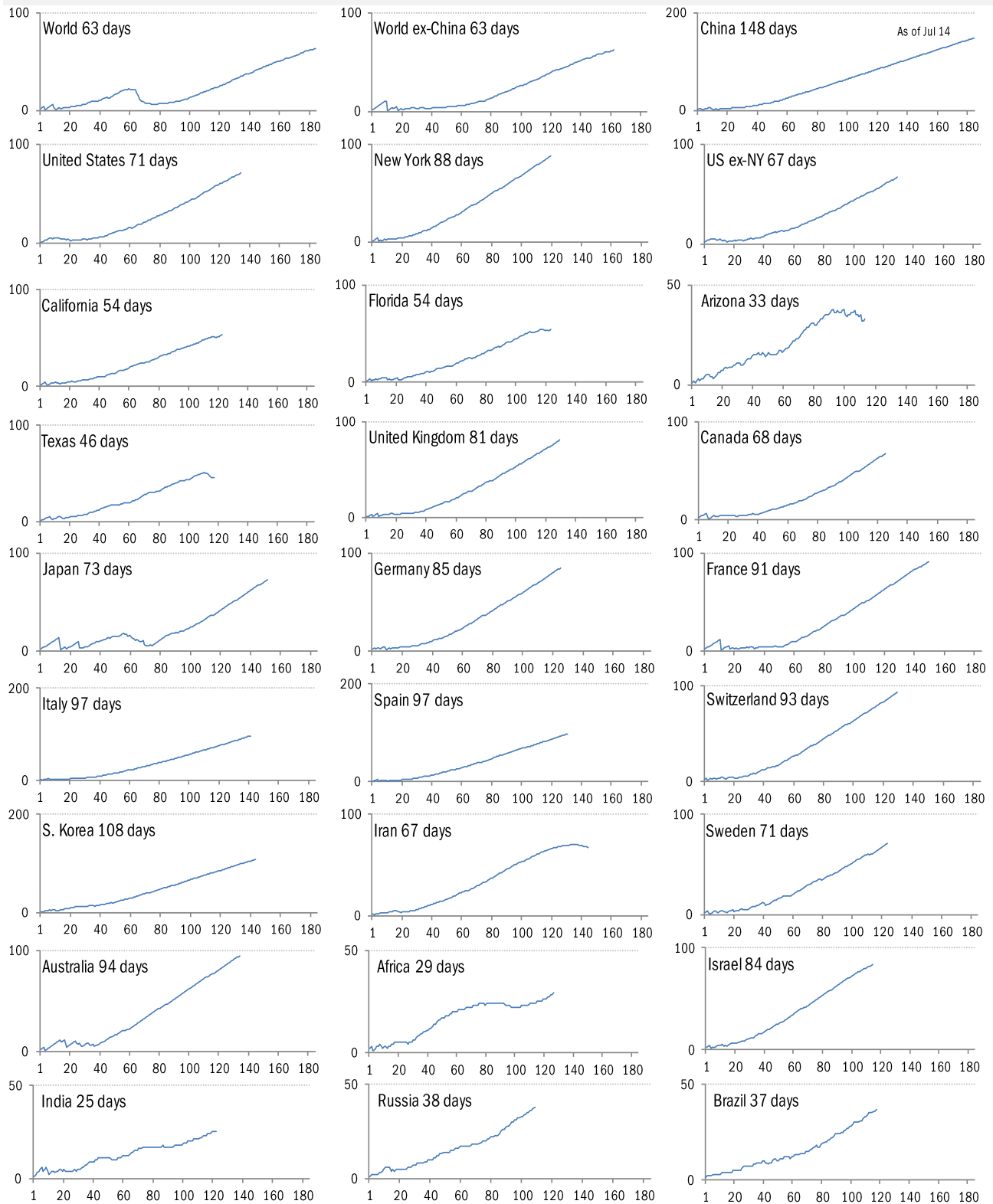
Share of deceased population from day of first fatality



Source: [ECDC](#), TrendMacro calculations

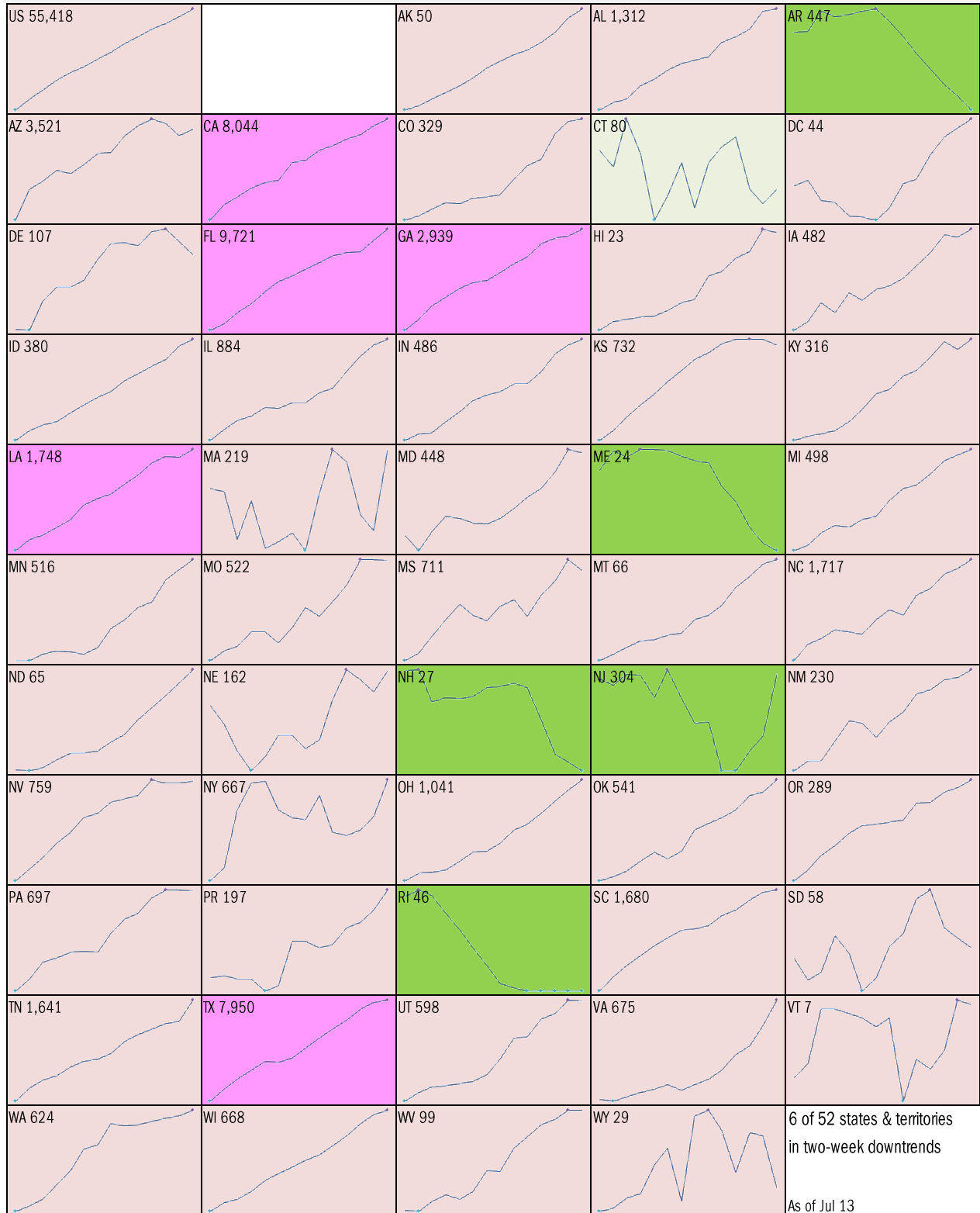
Our most reliable evidence of slowing exponential growth of Covid-2019

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



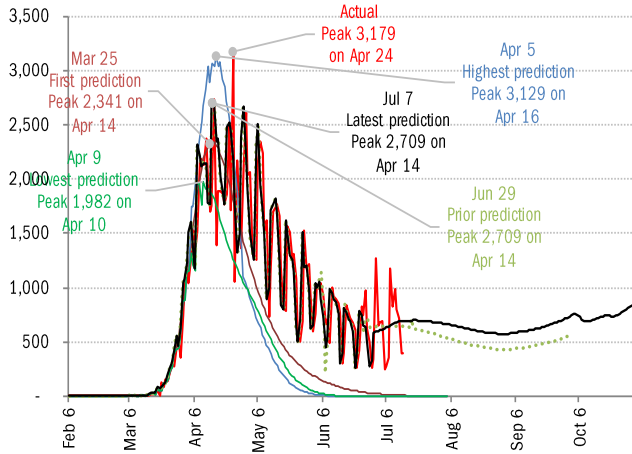
Source: [Covid Tracking Project](#), TrendMacro calculations

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

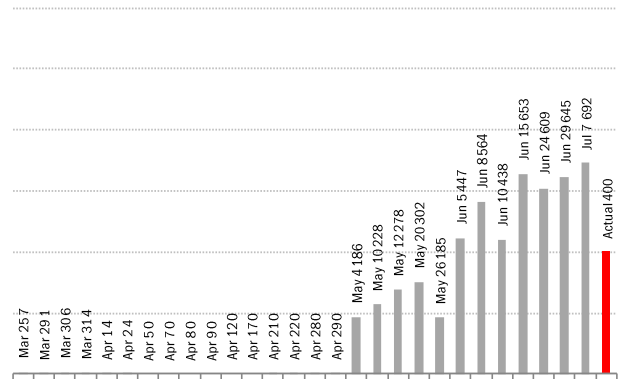
New daily fatalities

As of Jul 14

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

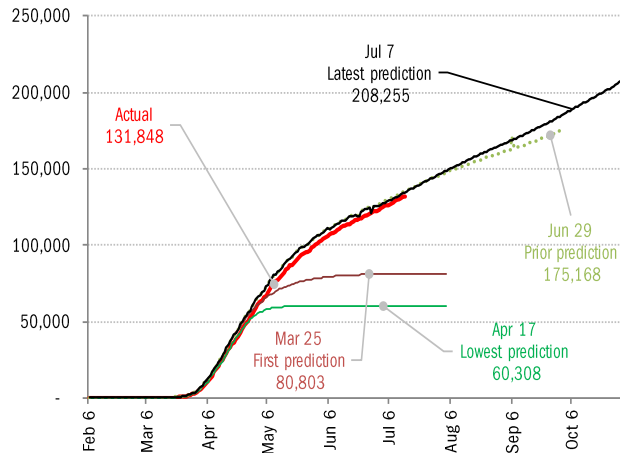


For this day, versus all model mean predictions

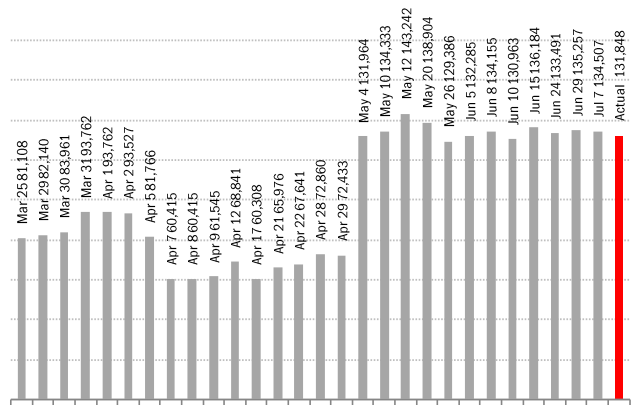


Cumulative fatalities

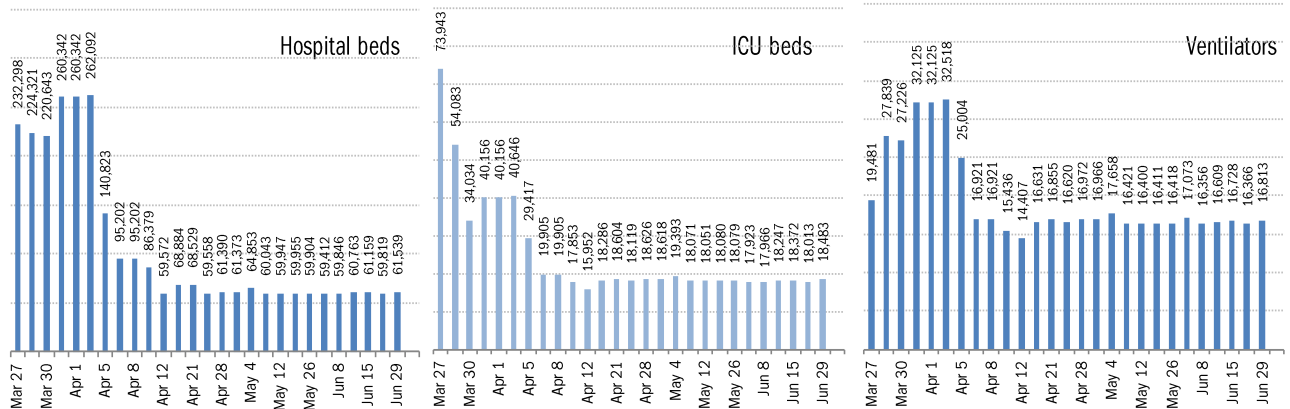
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

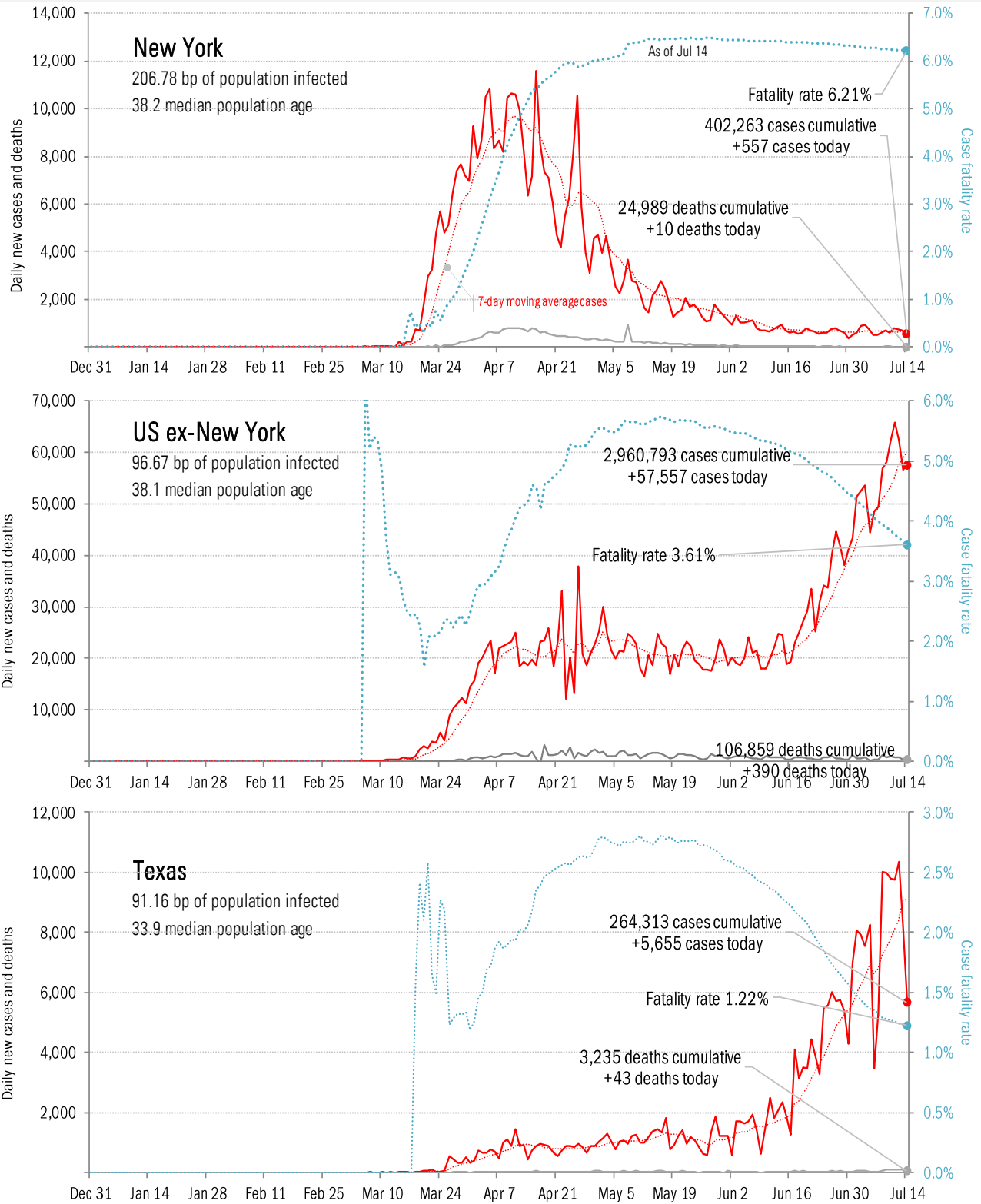


Healthcare system stress, peak estimated at each model revision



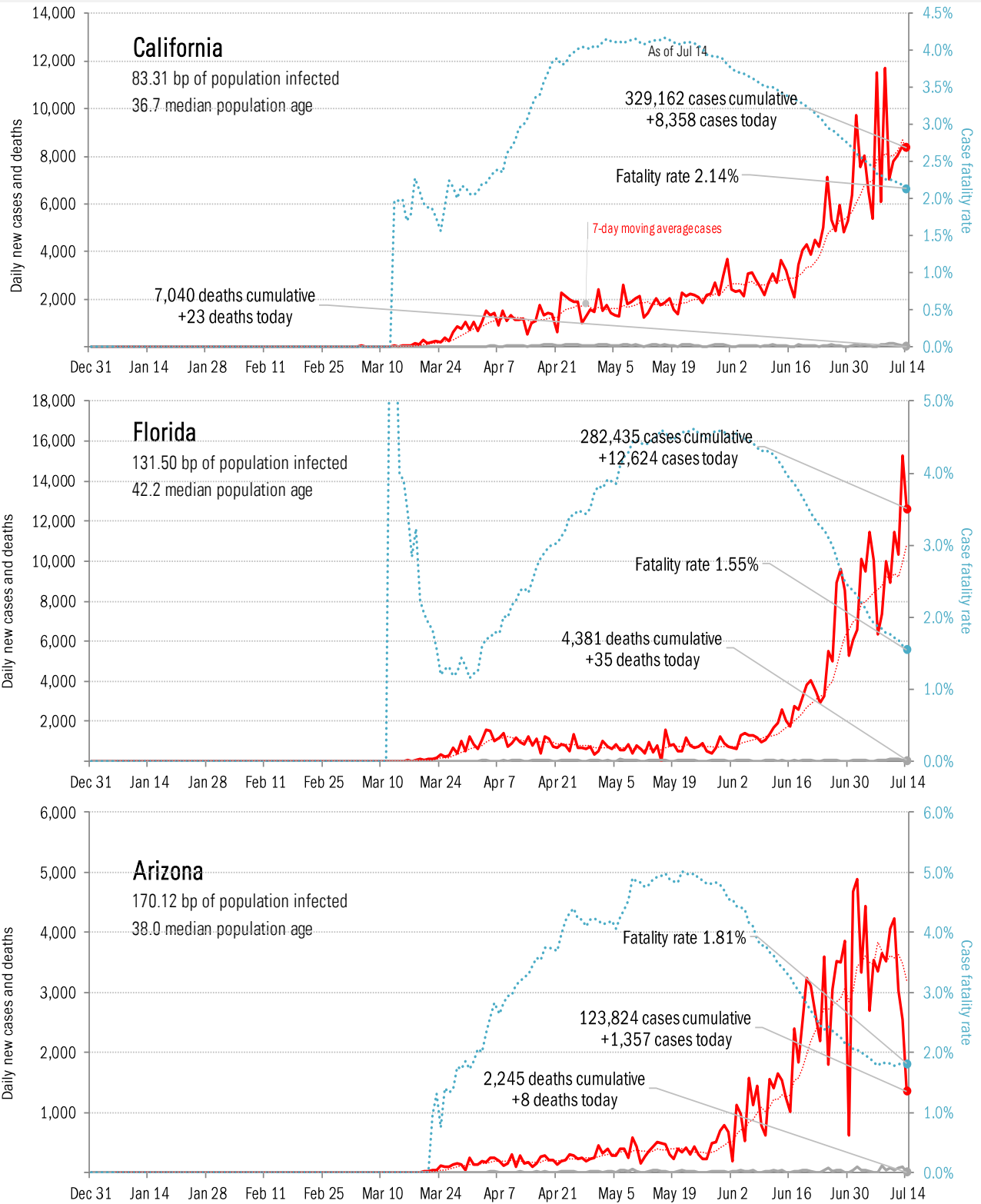
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



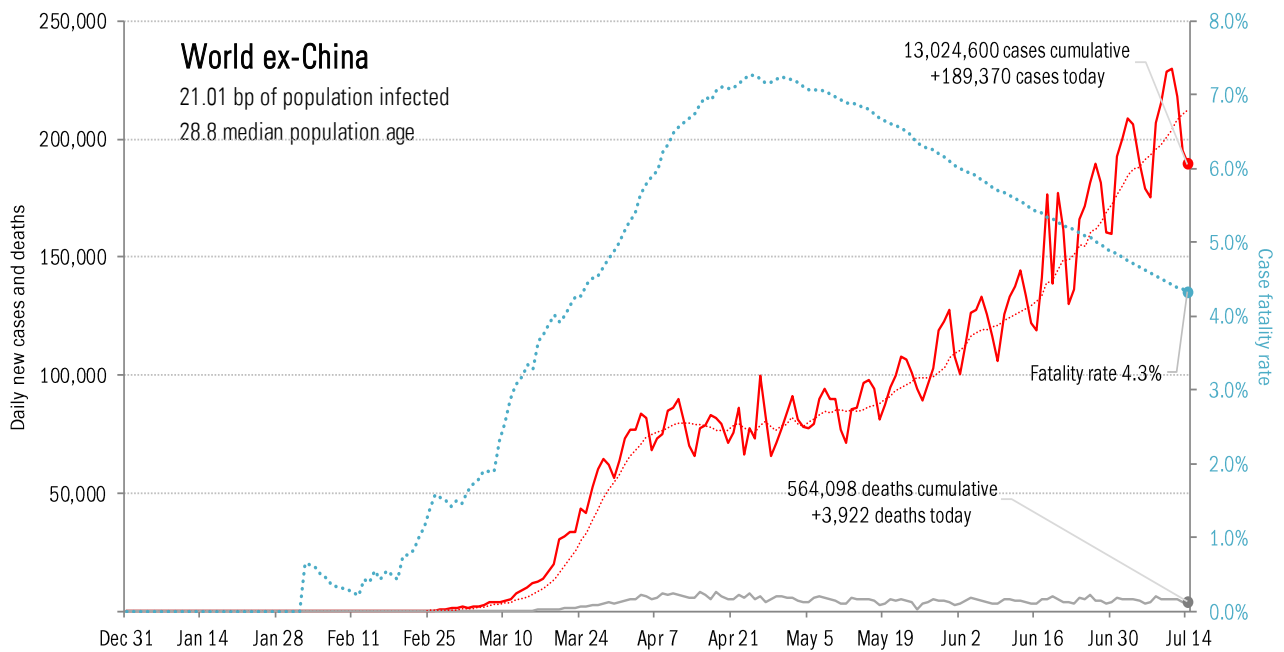
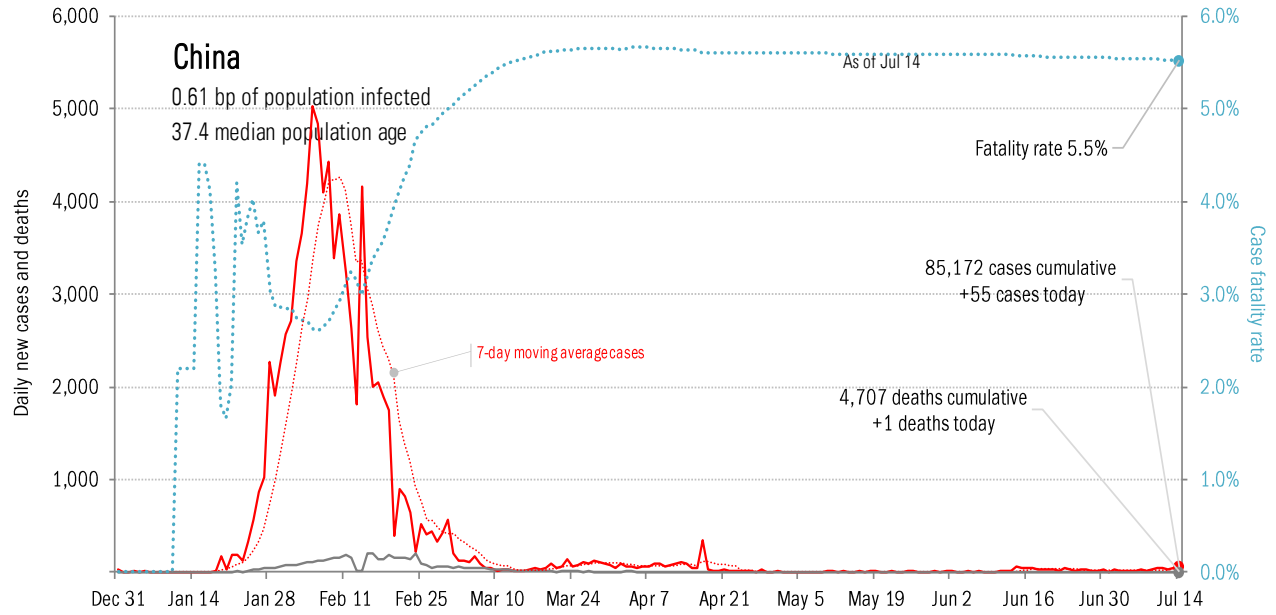
Source: [ECDC](#), TrendMacro calculations

The "second wave" states (other than Texas)



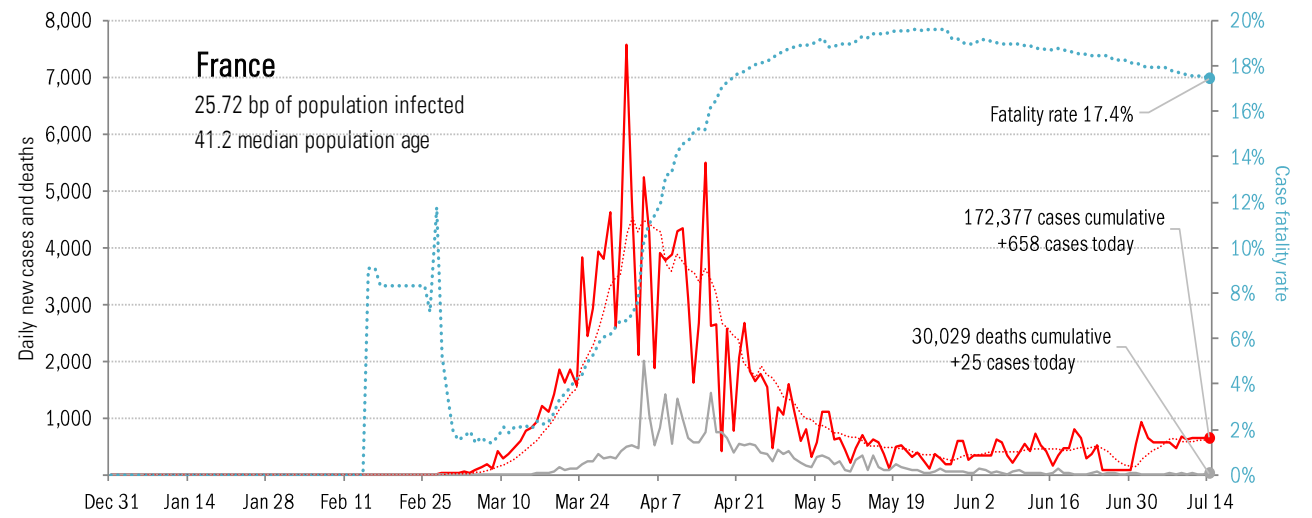
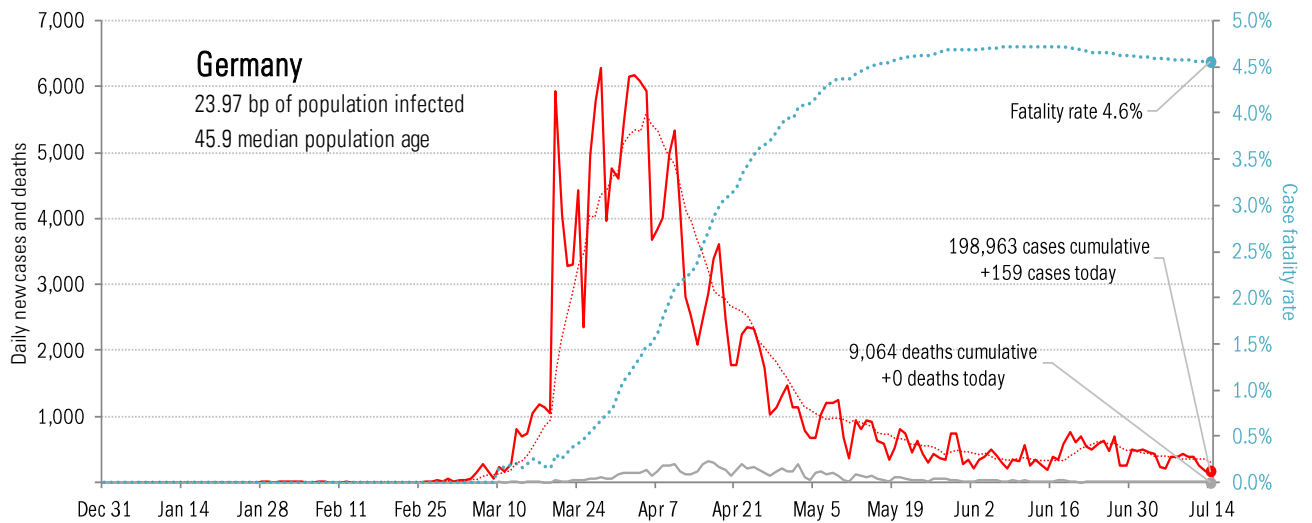
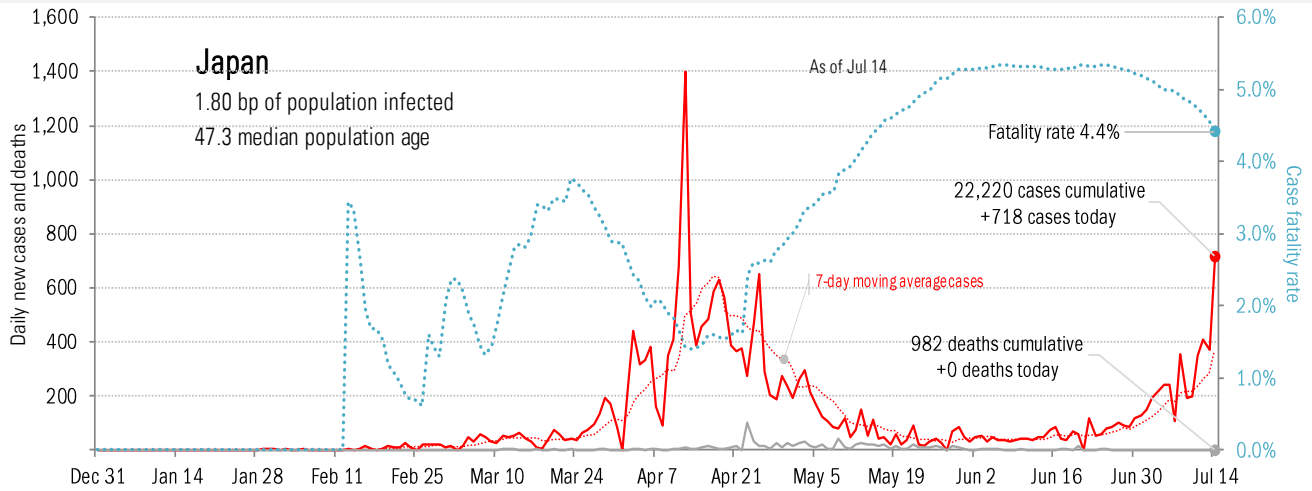
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



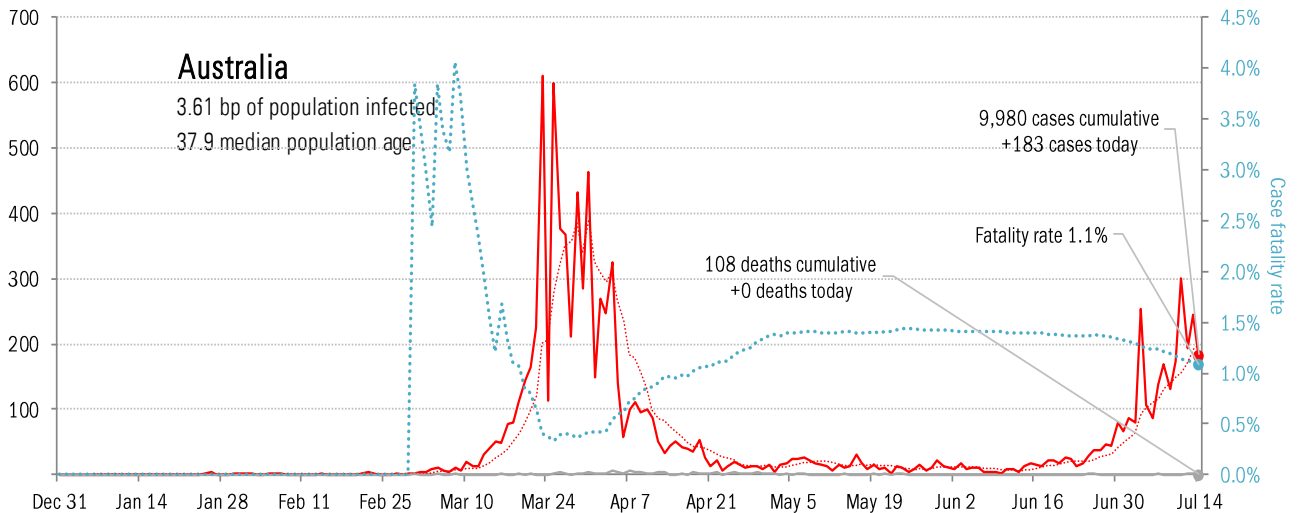
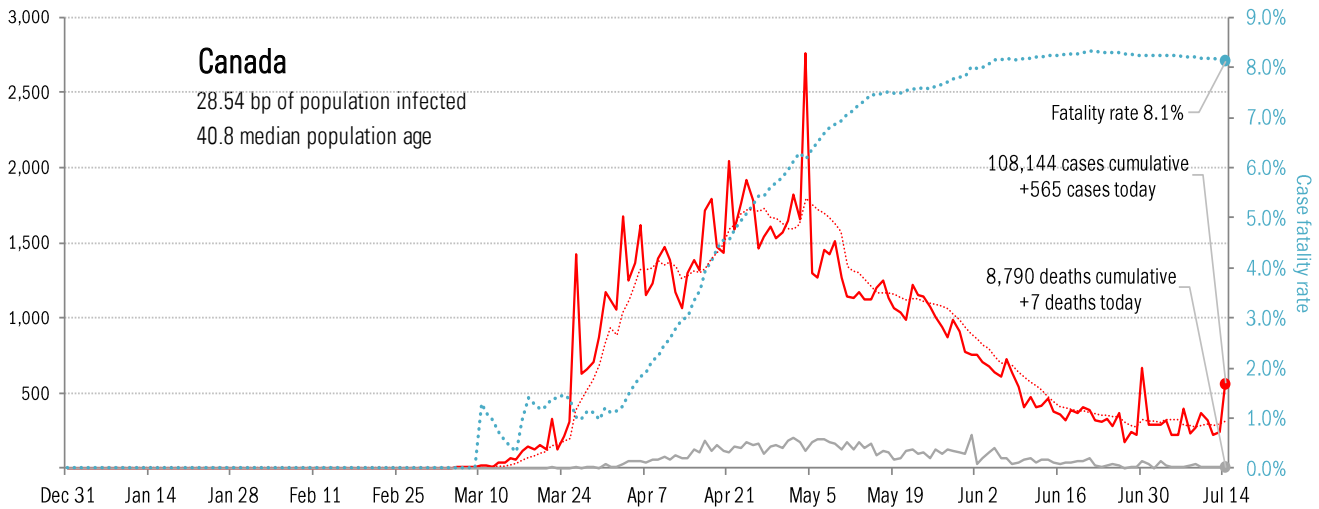
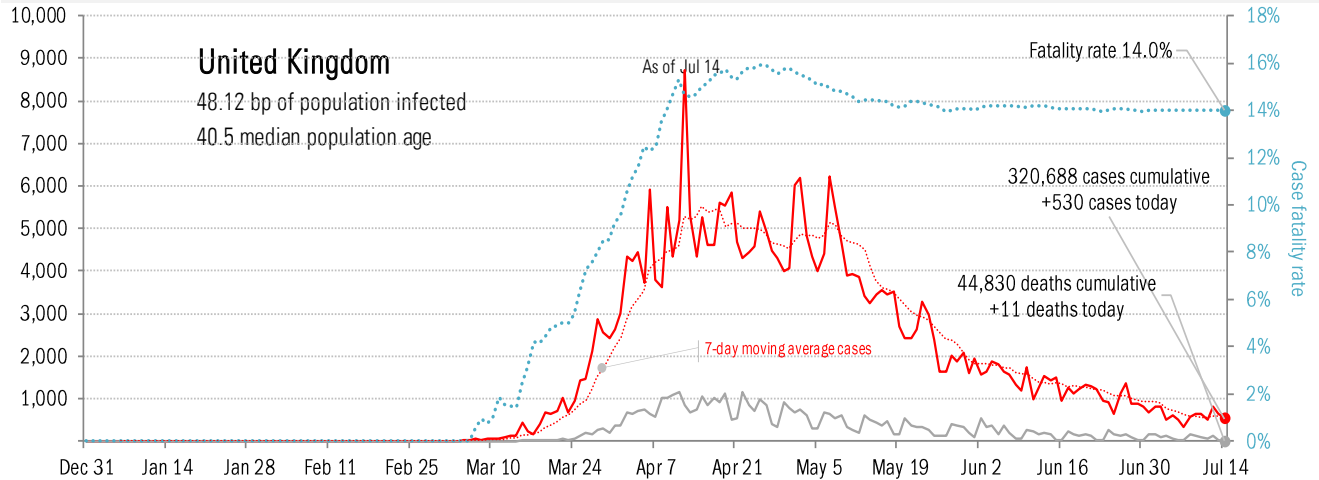
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



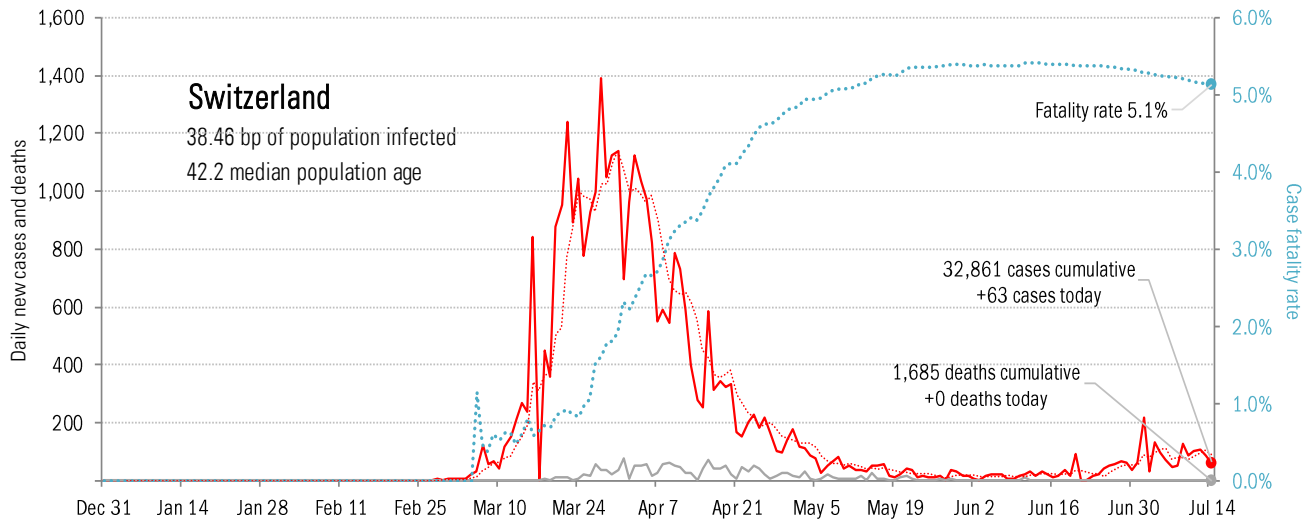
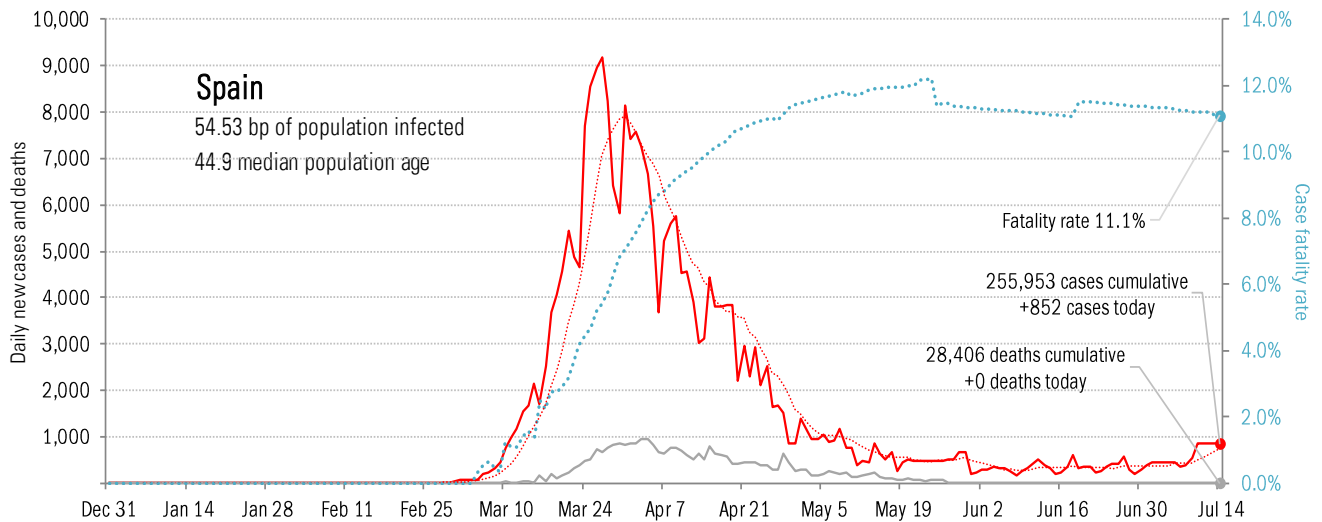
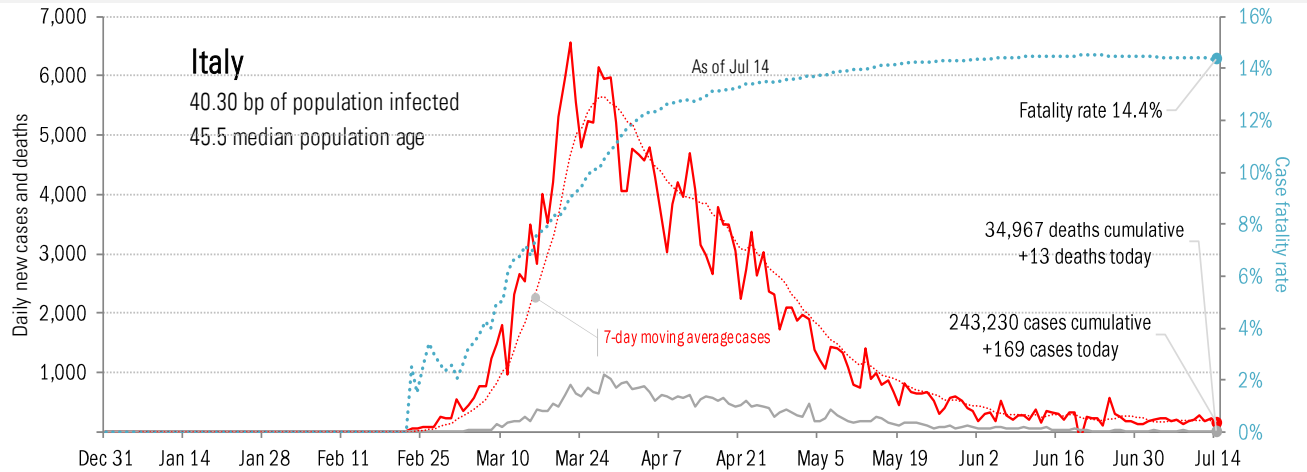
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



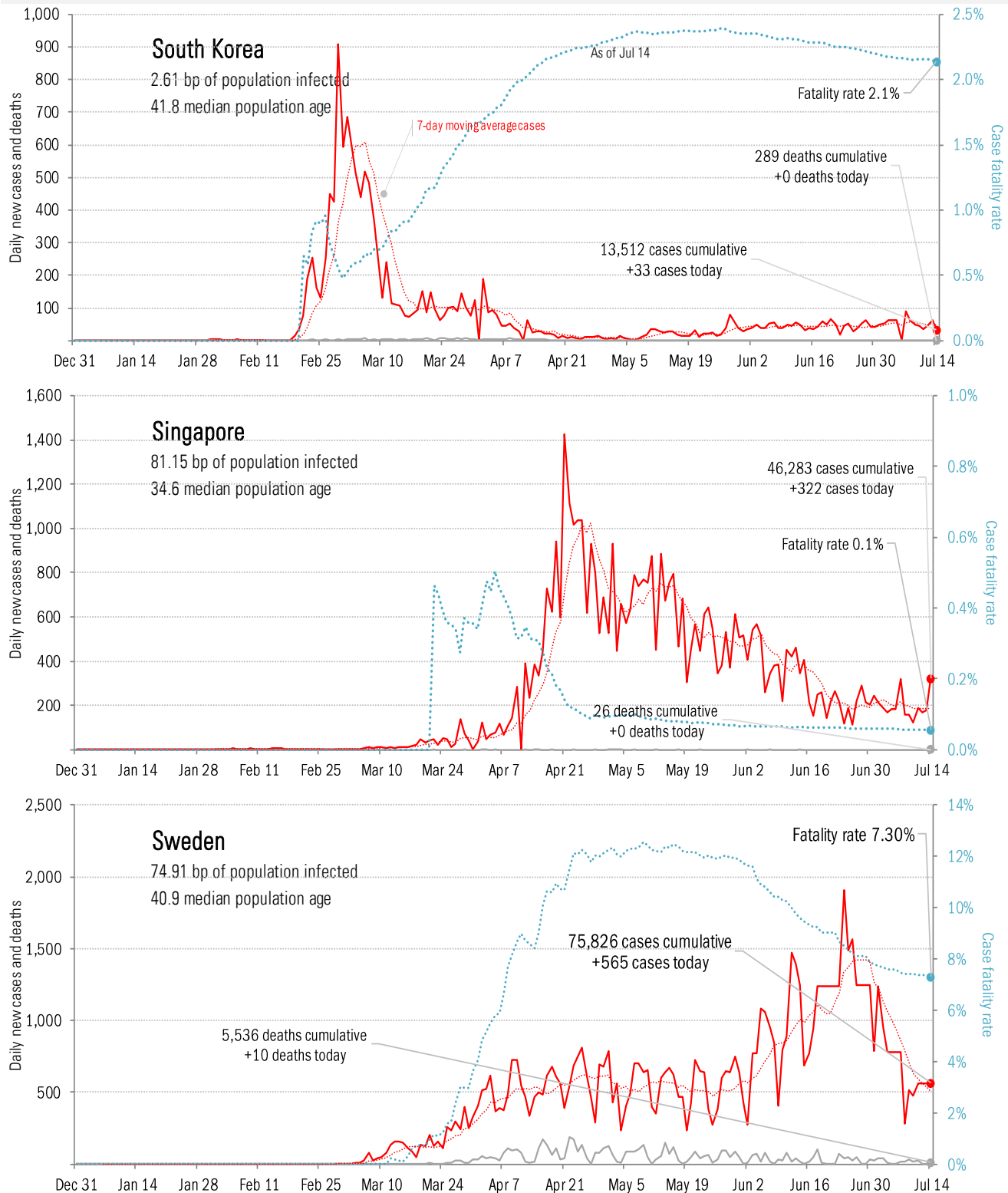
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



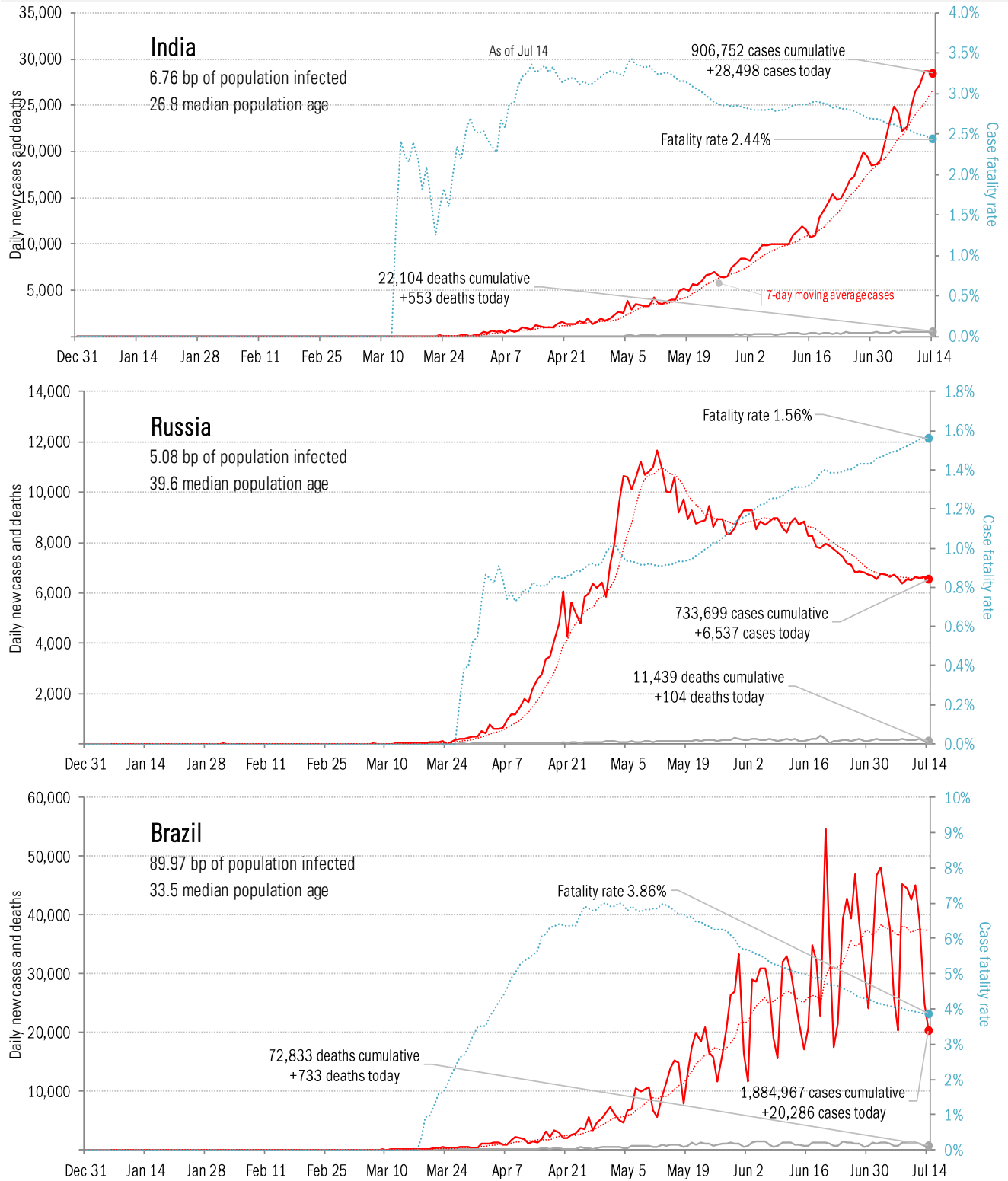
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



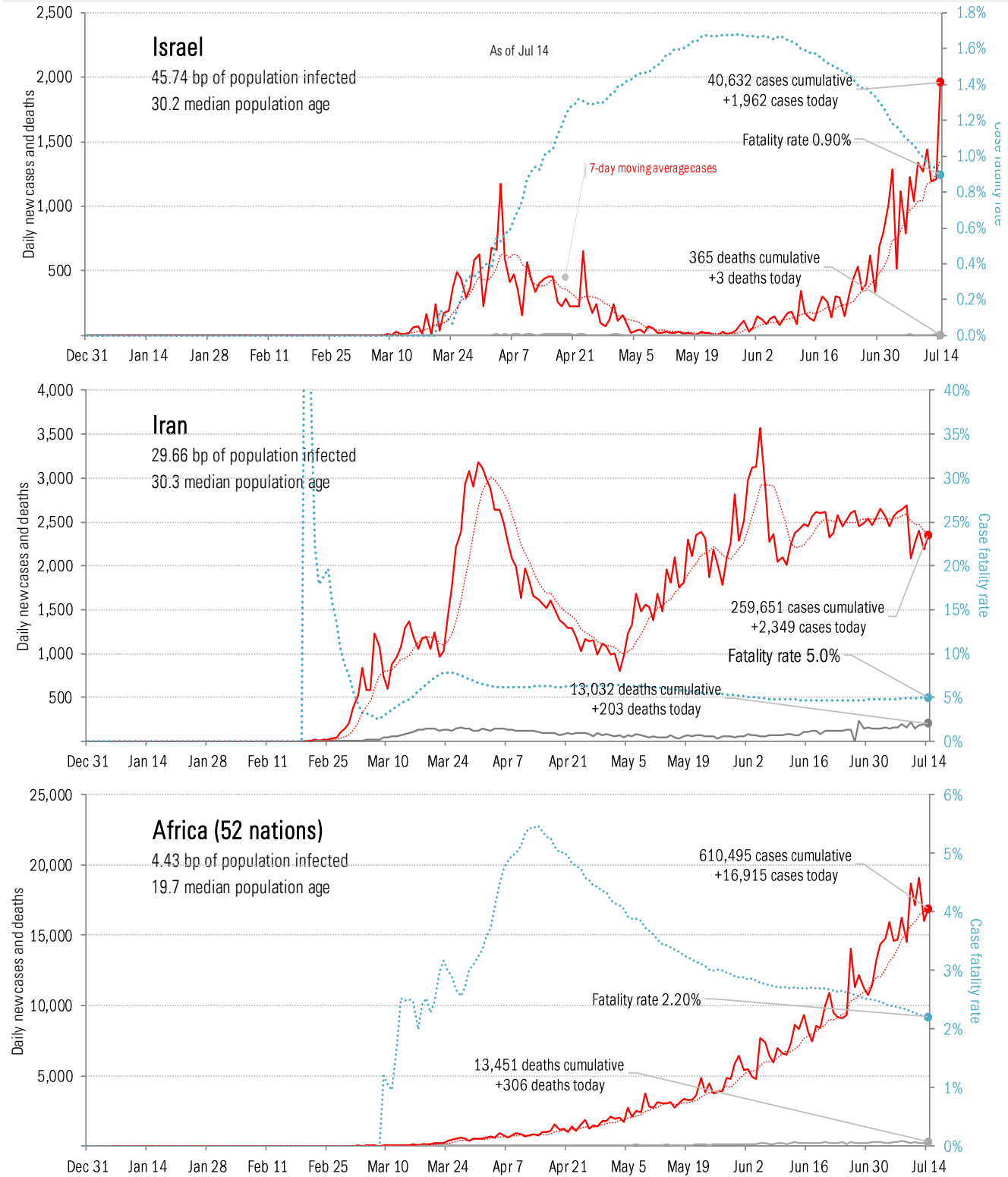
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations