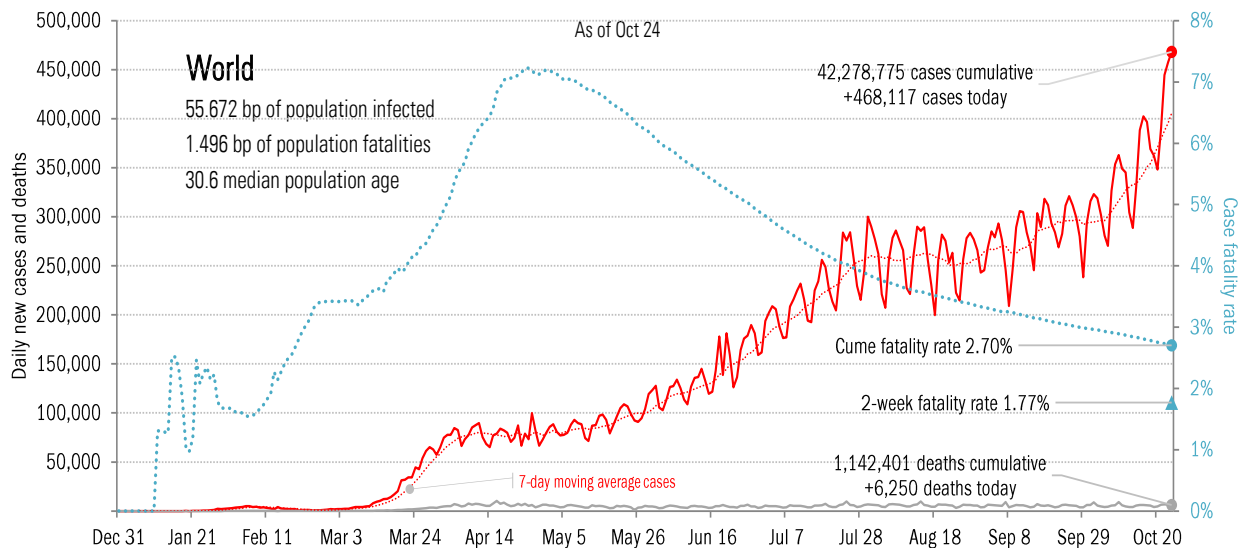
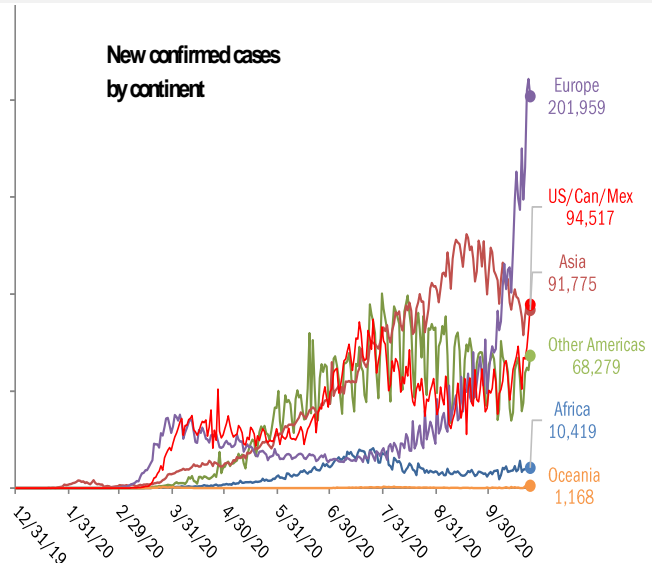


Data Insights: Covid-2019 Monitor

Saturday, October 24, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
US	+85,329	US	+953
India	+53,370	India	+650
France	+42,032	Brazil	+571
Brazil	+30,026	Mexico	+418
UK	+20,531	Argentina	+381
Italy	+19,143	Iran	+335
Russia	+17,340	France	+298
Spain	+16,973	Russia	+283
Argentina	+15,718	UK	+224
Czechia	+15,258	Colombia	+166
+315,720		+4,279	
World	+468,117	World	+6,250
Top ten	67%	Top ten	68%



Source: [ECDC](https://ecdc.europa.eu/), TrendMacro calculations

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The US scorecard

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

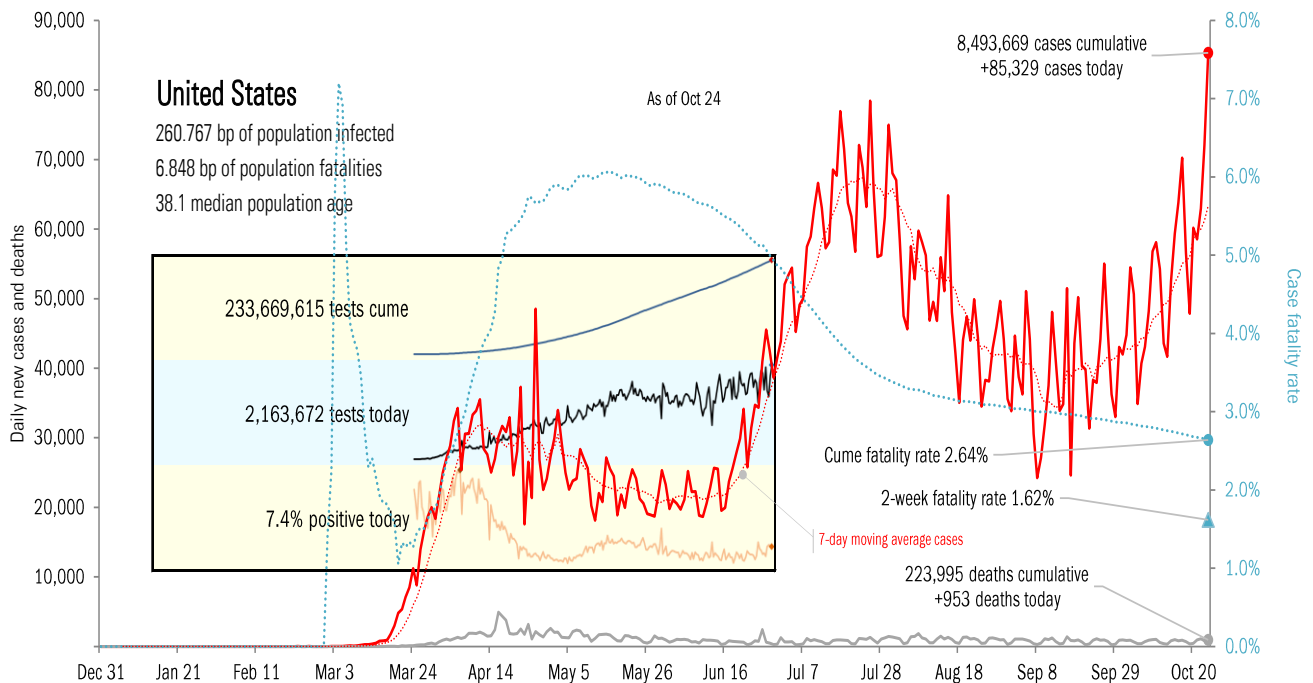
The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
TX	+6,472	TX	+89	TX	+134	CA	886,865	NY	25,705	NY	89,995
CA	+6,141	FL	+74	KS	+74	TX	851,572	TX	17,375	FL	48,510
IL	+5,000	CA	+73	OH	+54	FL	771,780	CA	17,262	NJ	37,222
WI	+4,643	TN	+65	MA	+49	NY	491,771	FL	16,544	GA	30,949
AL	+3,852	WI	+49	OK	+46	IL	368,746	NJ	16,273	AZ	20,967
FL	+3,689	IL	+41	WI	+43	GA	347,759	MA	9,830	VA	20,418
TN	+3,606	GA	+37	GA	+42	NC	255,708	IL	9,688	AL	19,595
NC	+2,716	PA	+33	FL	+40	TN	241,513	PA	8,625	OH	17,866
CH	+2,518	NC	+32	NY	+37	AZ	235,882	GA	7,766	MD	16,650
IN	+2,467	MO	+31	IL	+35	NJ	225,430	MI	7,484	IN	15,498
+41,104		+524		+554		4,677,026		136,552		317,670	
All states	+83,010	All states	+916	All states	+475	All states	8,449,231	All states	215,761	All states	458,782
Top ten	50%	Top ten	57%	Top ten	117%	Top ten	55%	Top ten	63%	Top ten	69%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-4,013	CA	-89	VA	-196	AL	+11
IN	-383	FL	-88	MI	-132	AR	+11
OK	-255	MI	-26	IL	-90	KS	+10
IA	-186	SC	-25	SC	-71	UT	+6
MS	-163	AL	-22	ND	-51	AK	+0



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

Recommended reading

[Lockdown made life worse for two in five children, NHS report says](#)

Philippa Roxby

BBC

October 22, 2020

[Confronting Covid: The American response has been far better than critics acknowledge.](#)

Roger D. Klein

City Journal

October 22, 2020

[LOCKDOWN LUNACY 4.0: the illusion of control](#)

J. B. Handley

J. B. Handley Blog

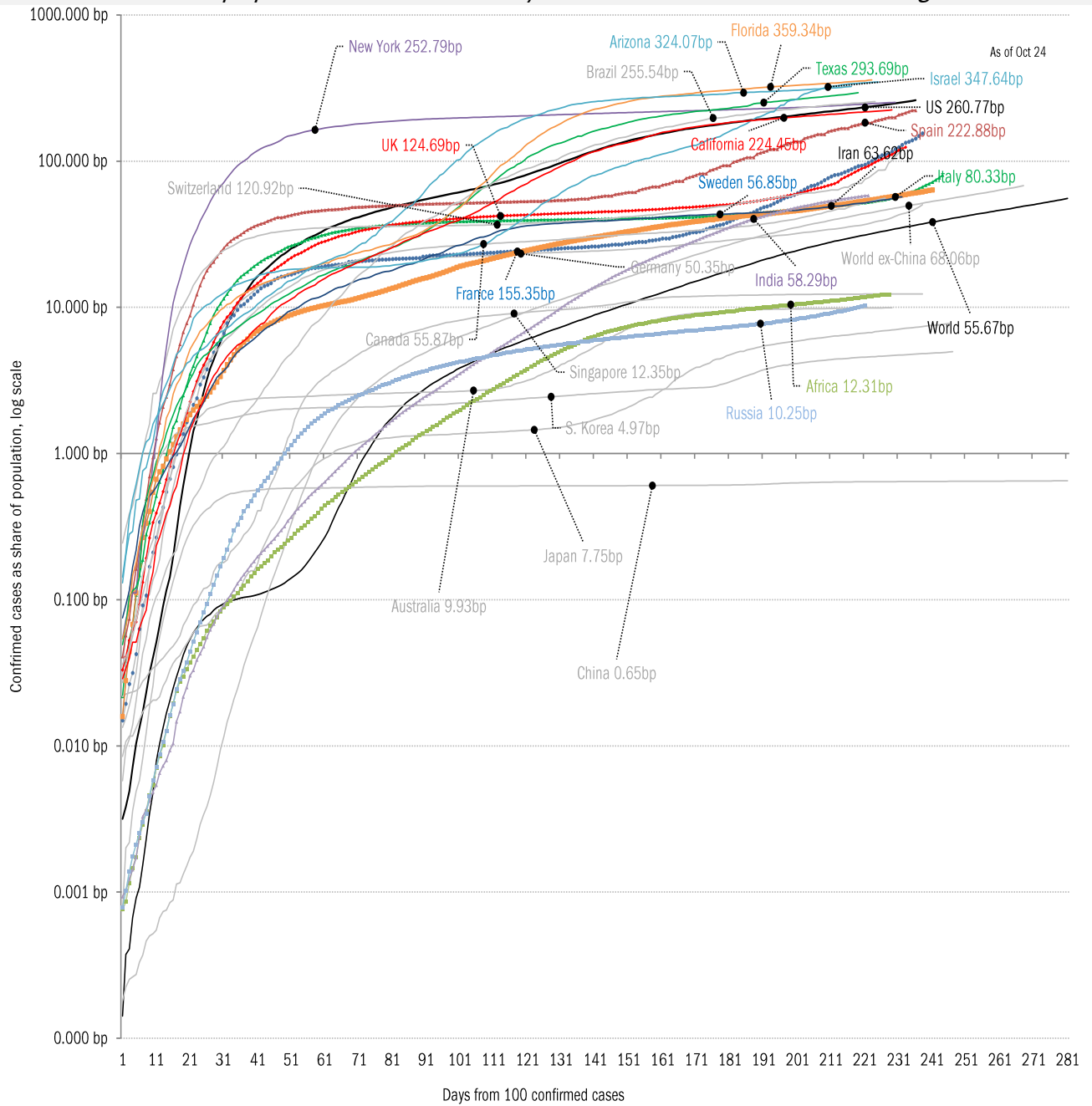
October 22, 2020

Meme of day



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

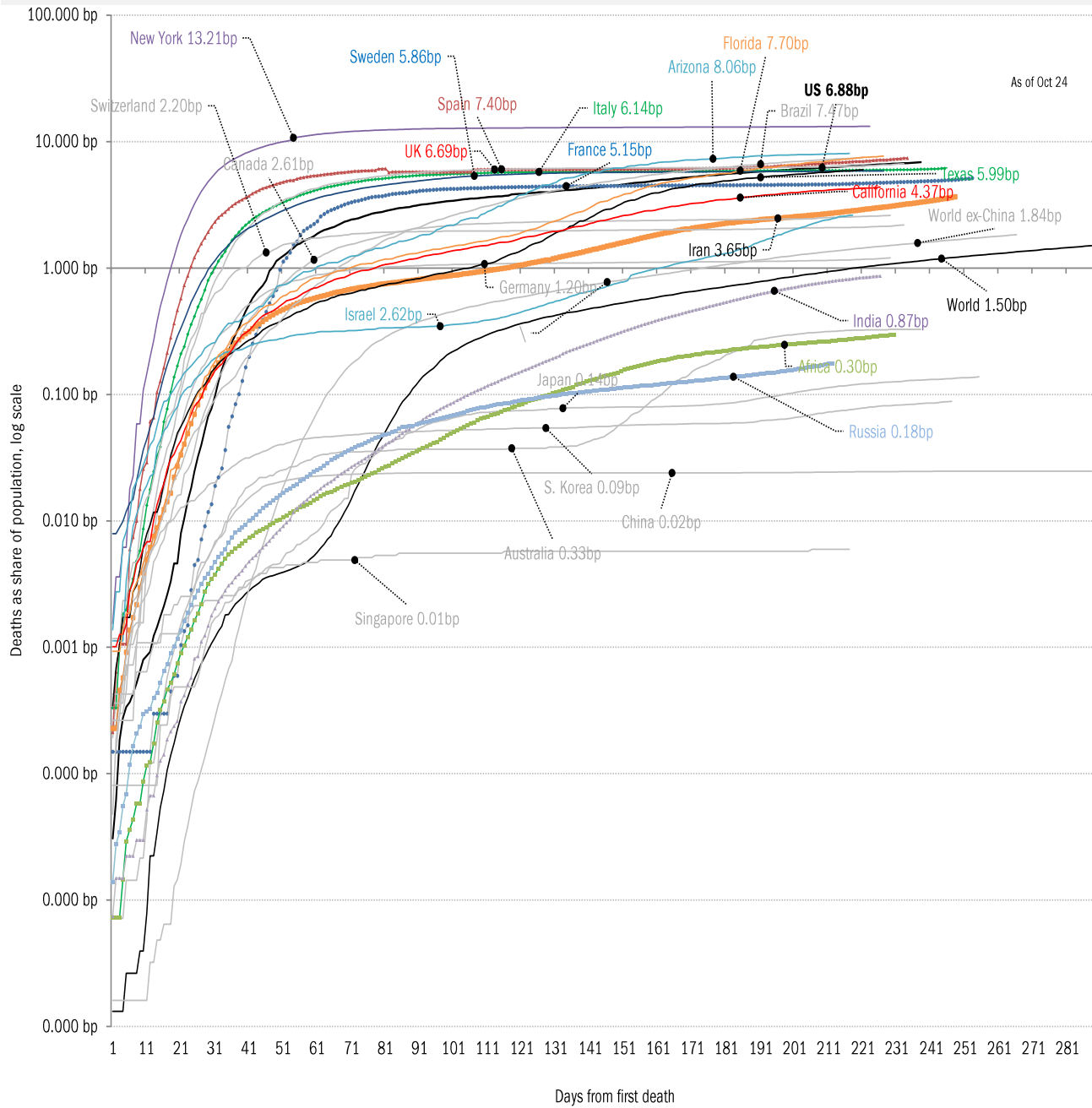
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

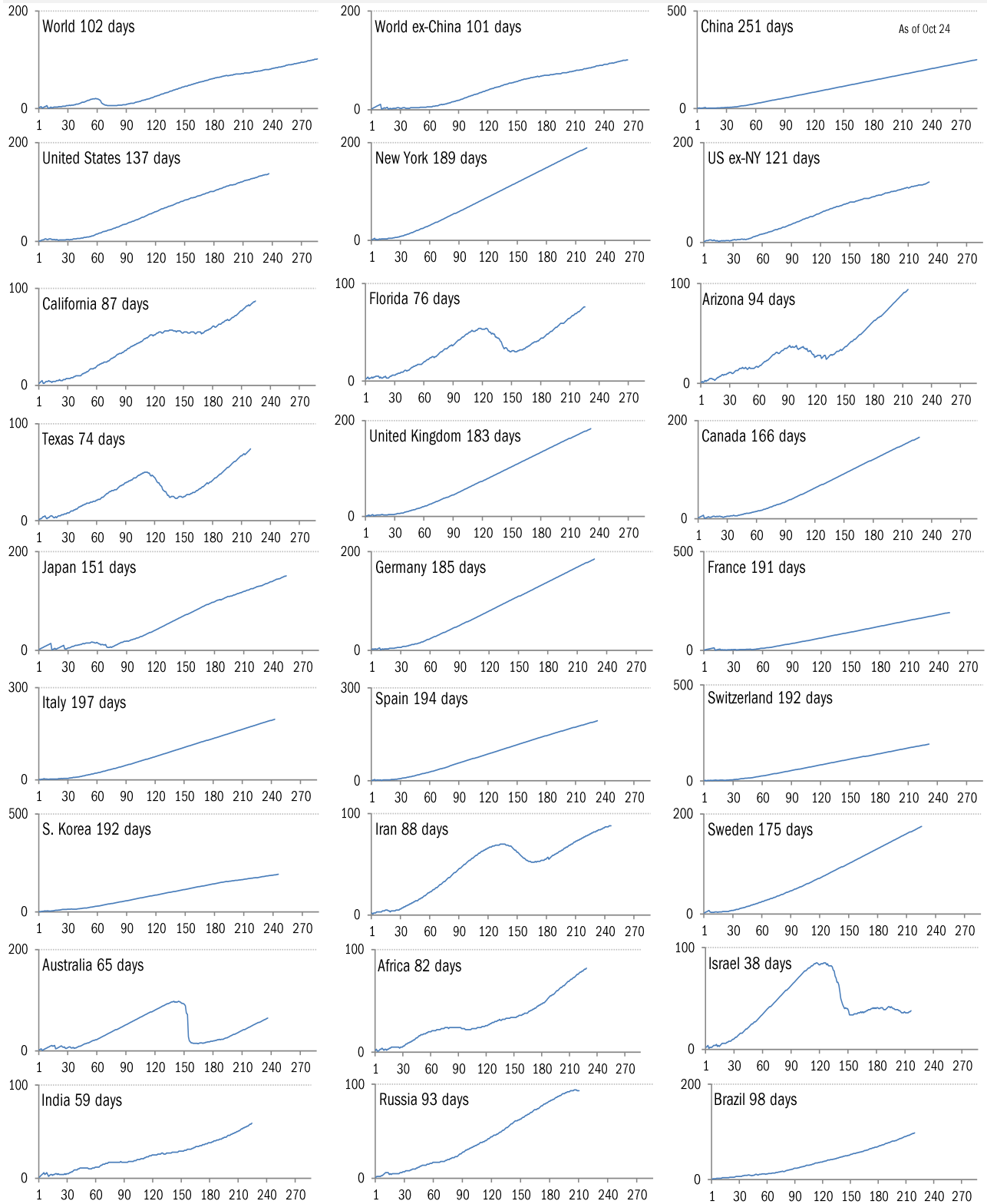


Source: [ECDC](#), TrendMacro calculations

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

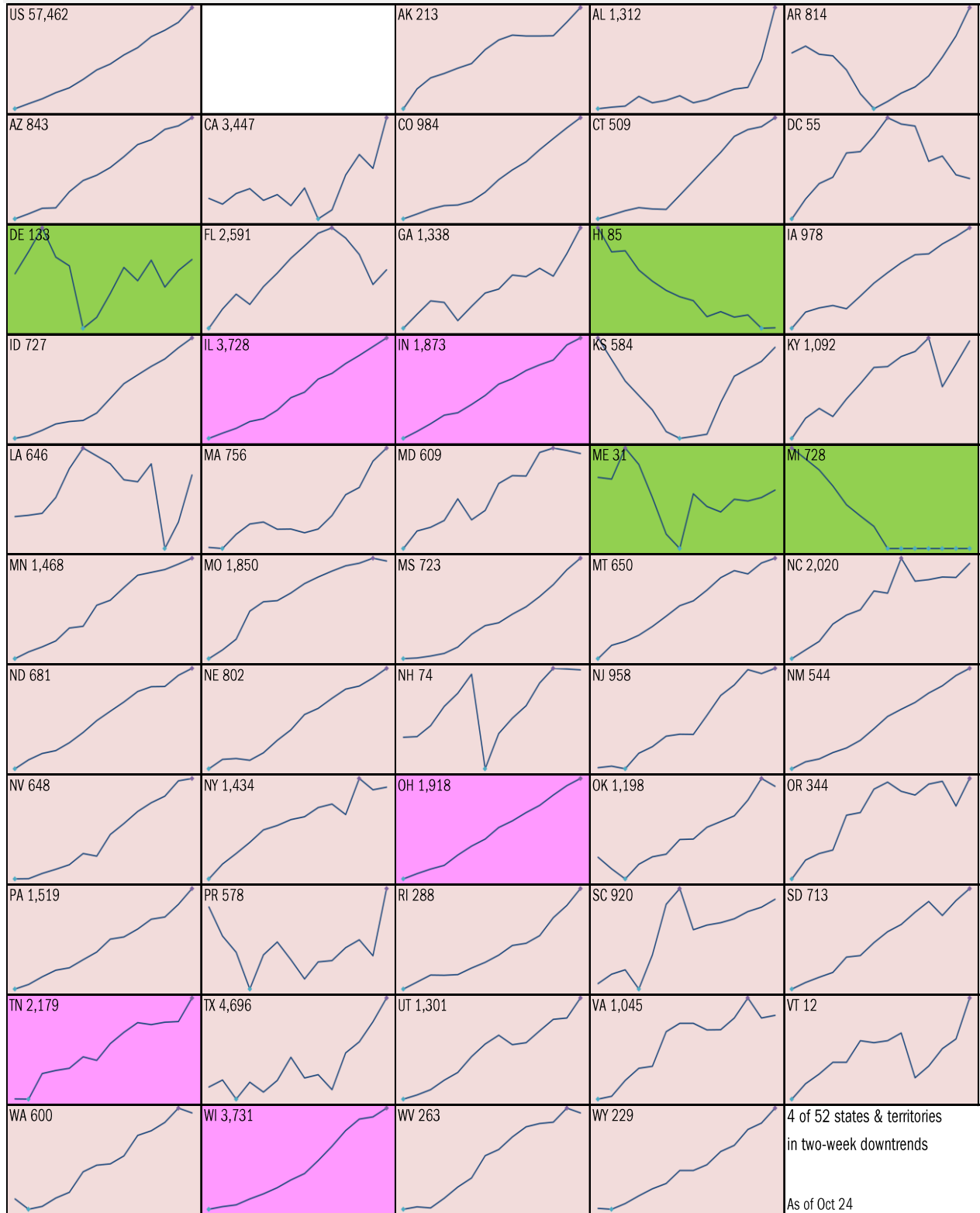
Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



Source: [ECDC](https://ecdc.europa.eu/), TrendMacro calculations

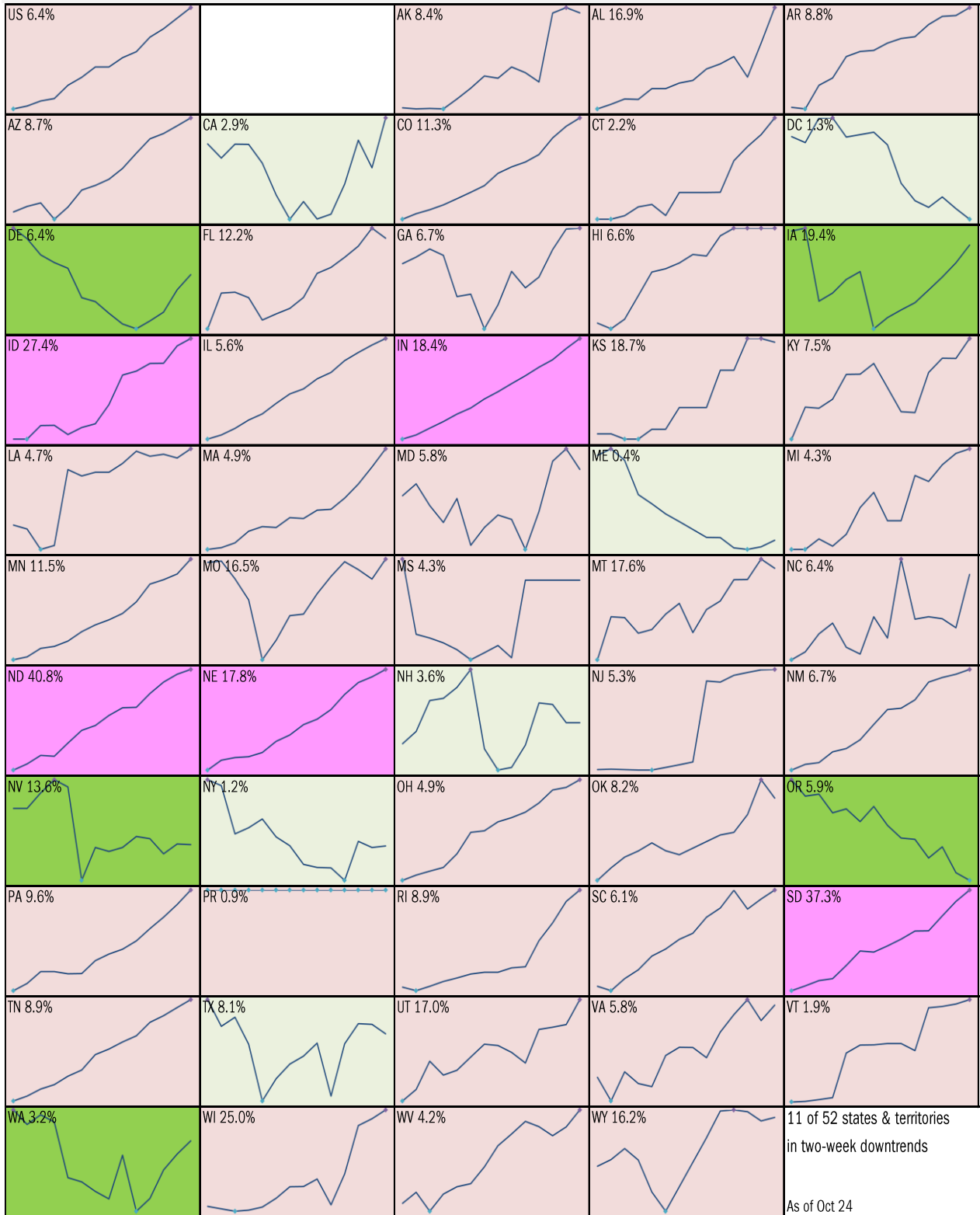
Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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



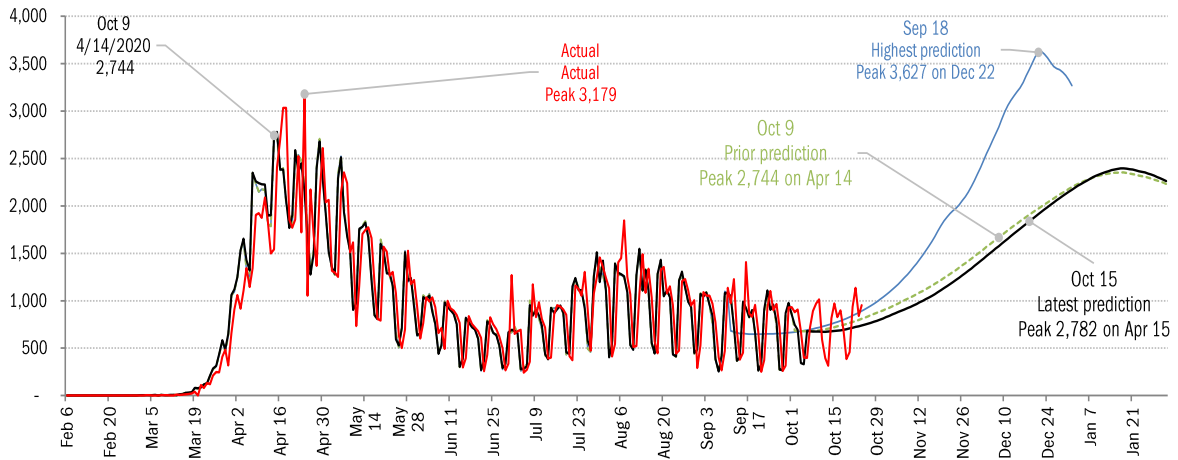
Source: [Covid Tracking Project](#), TrendMacro calculations

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

New daily fatalities

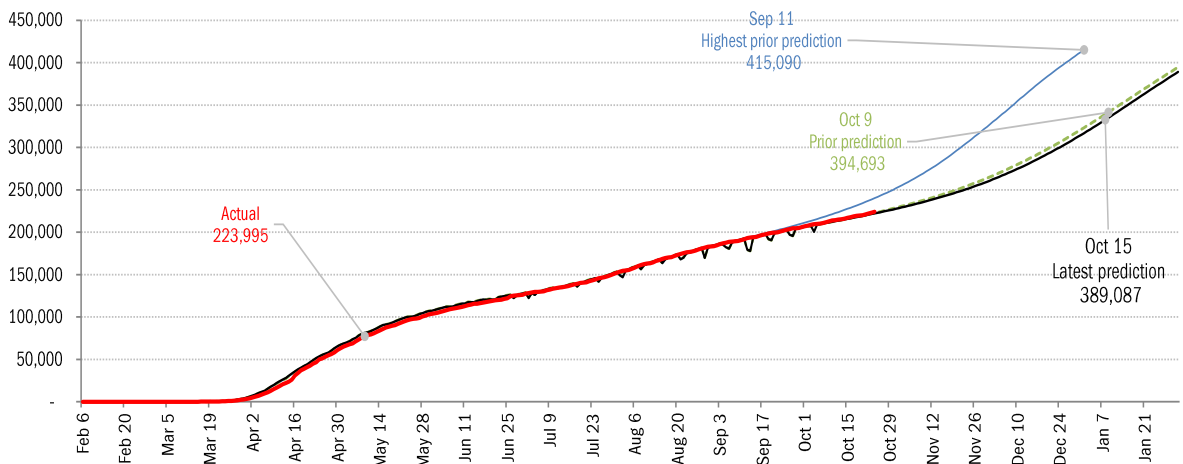
As of Oct 24

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

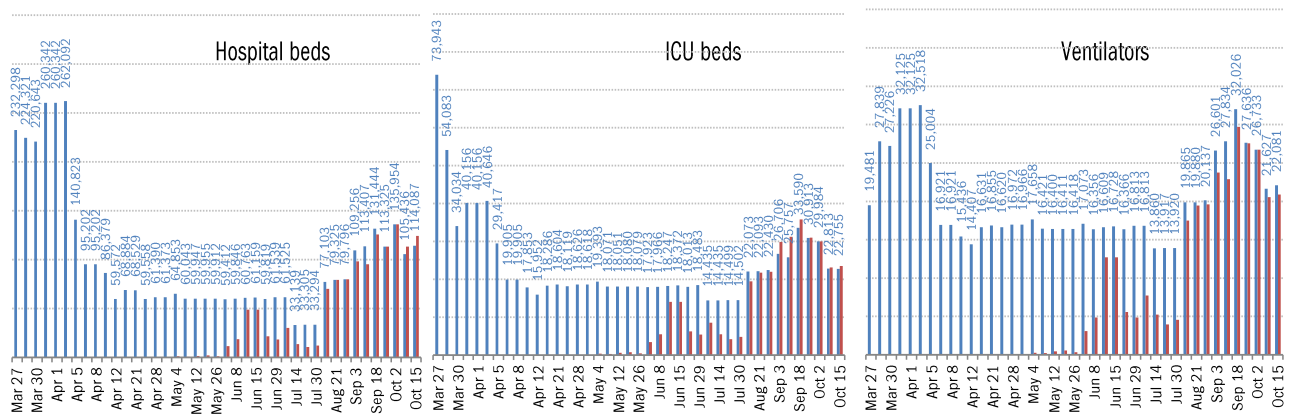


Cumulative fatalities

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

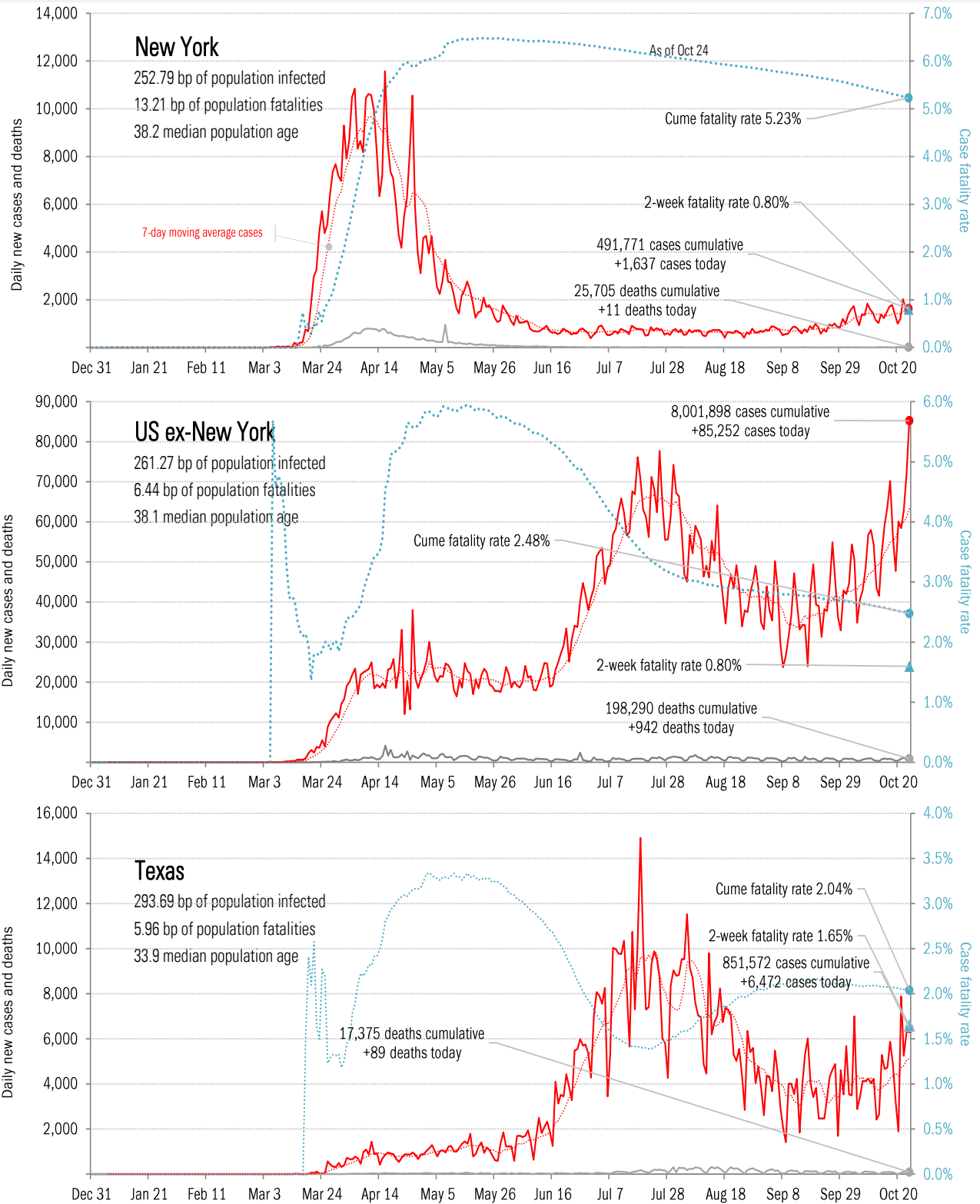


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



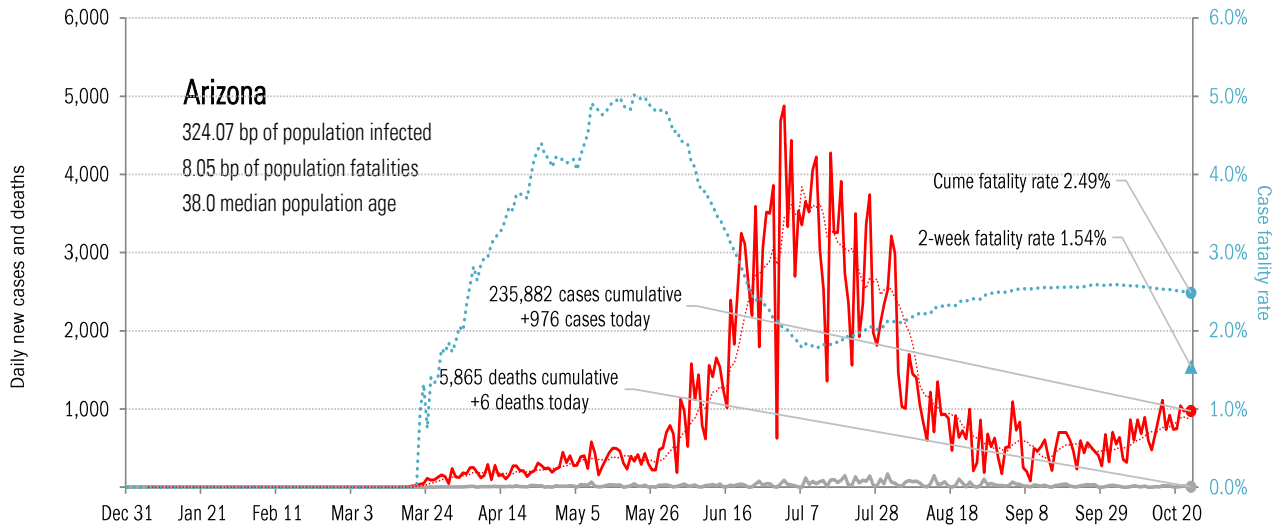
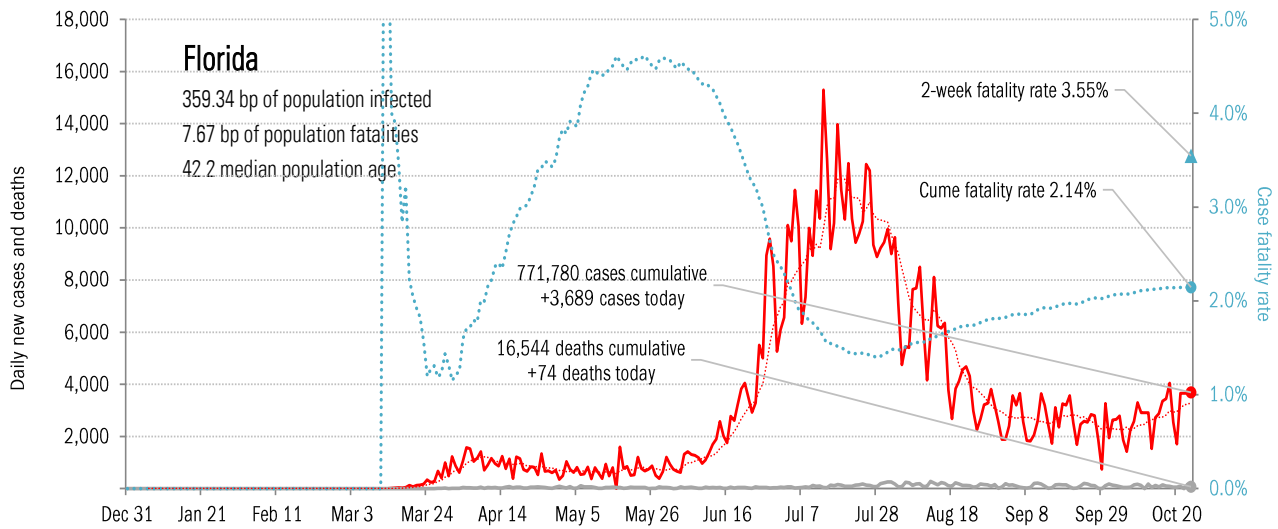
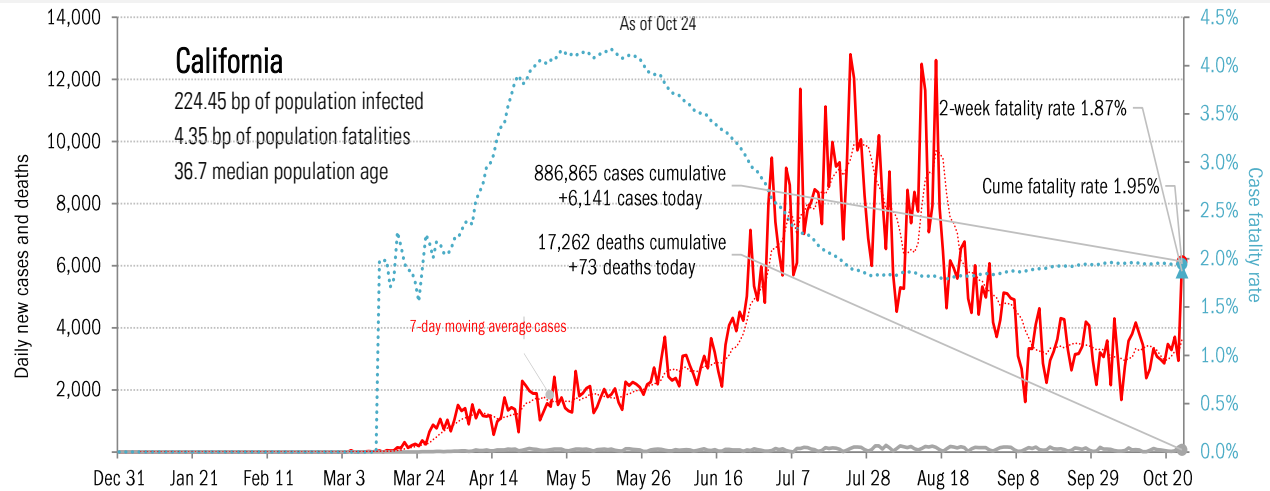
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



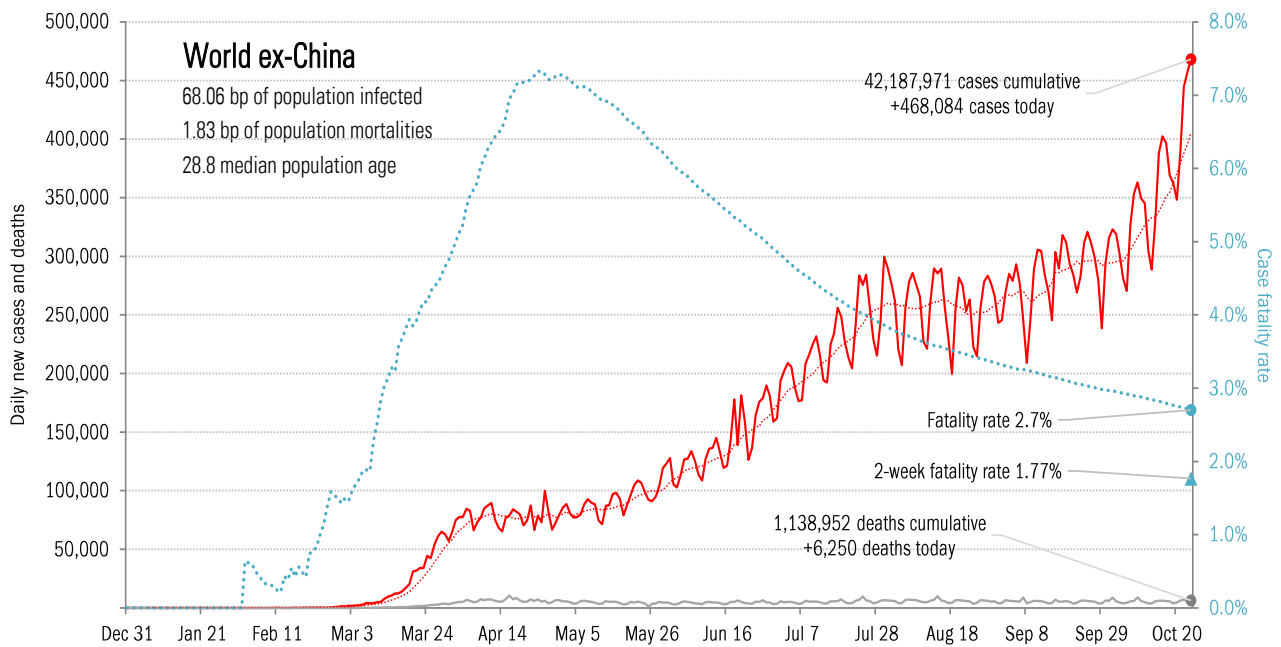
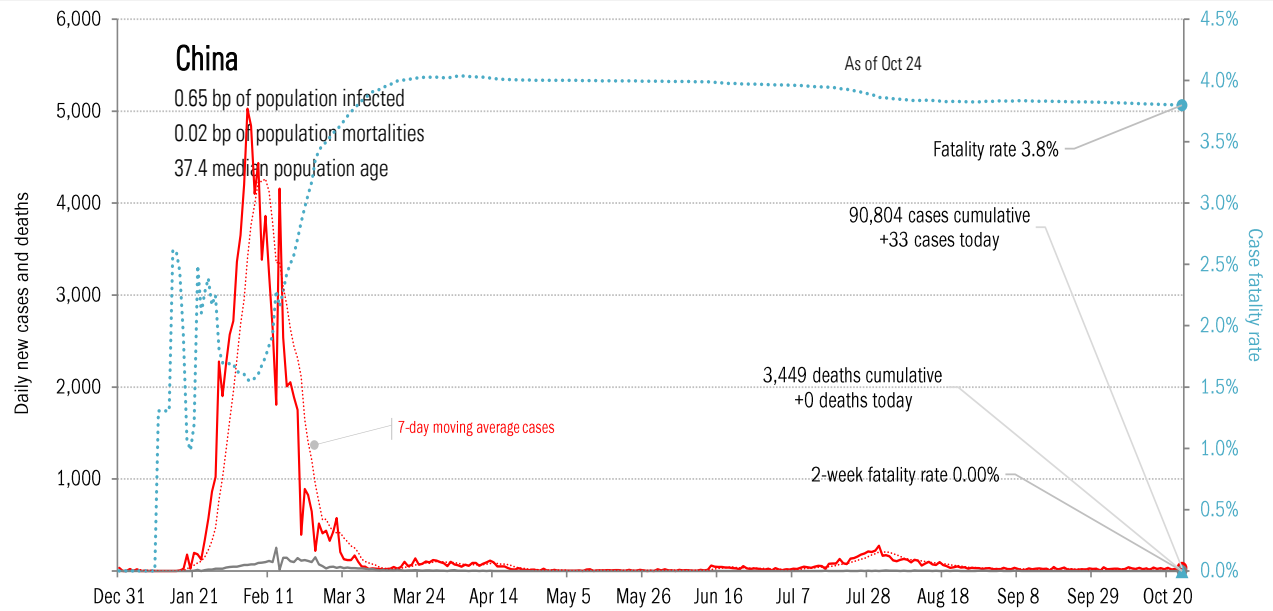
Source: [ECDC](#), TrendMacro calculations

The sun-belt hot-spot states (other than Texas)



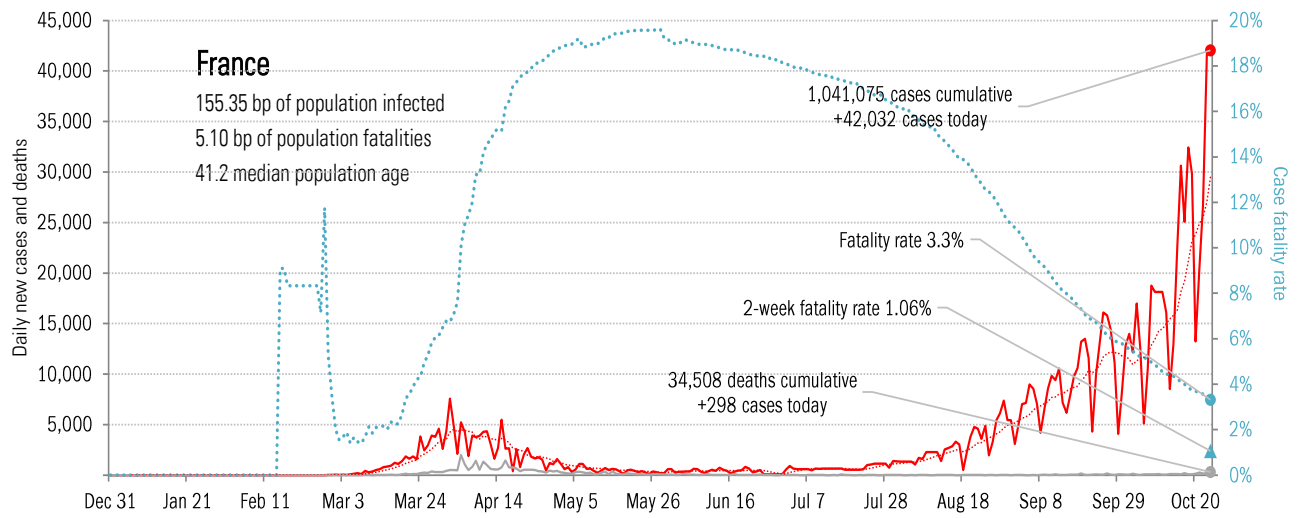
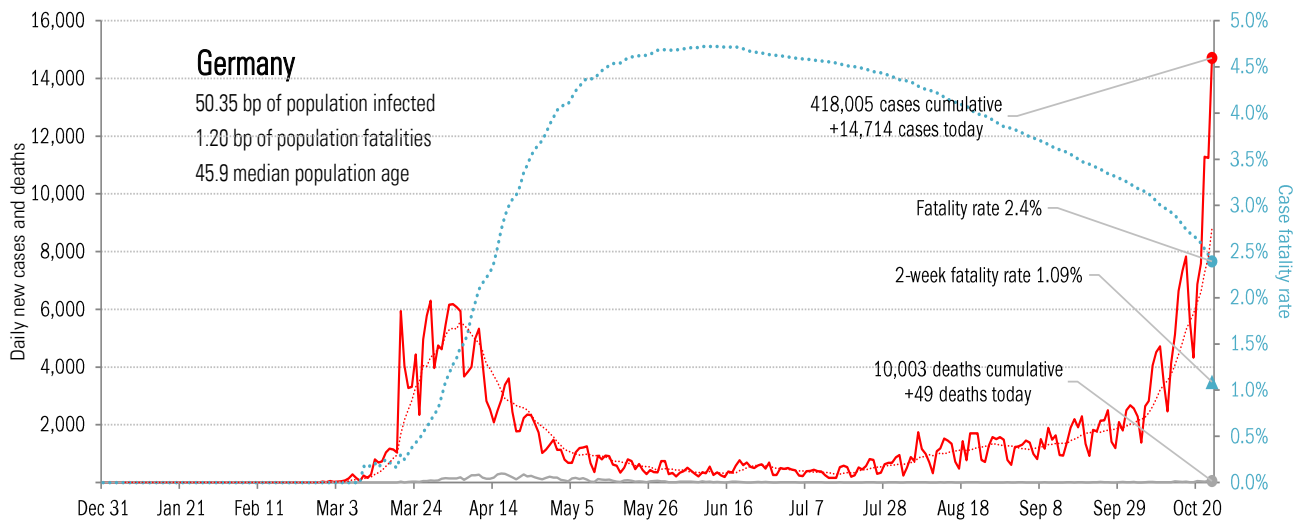
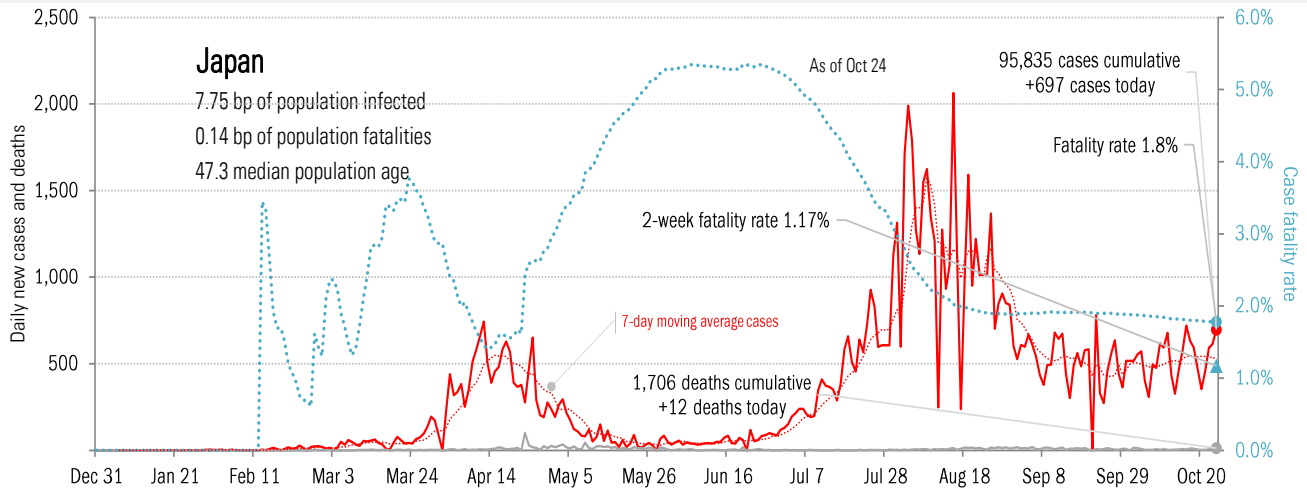
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



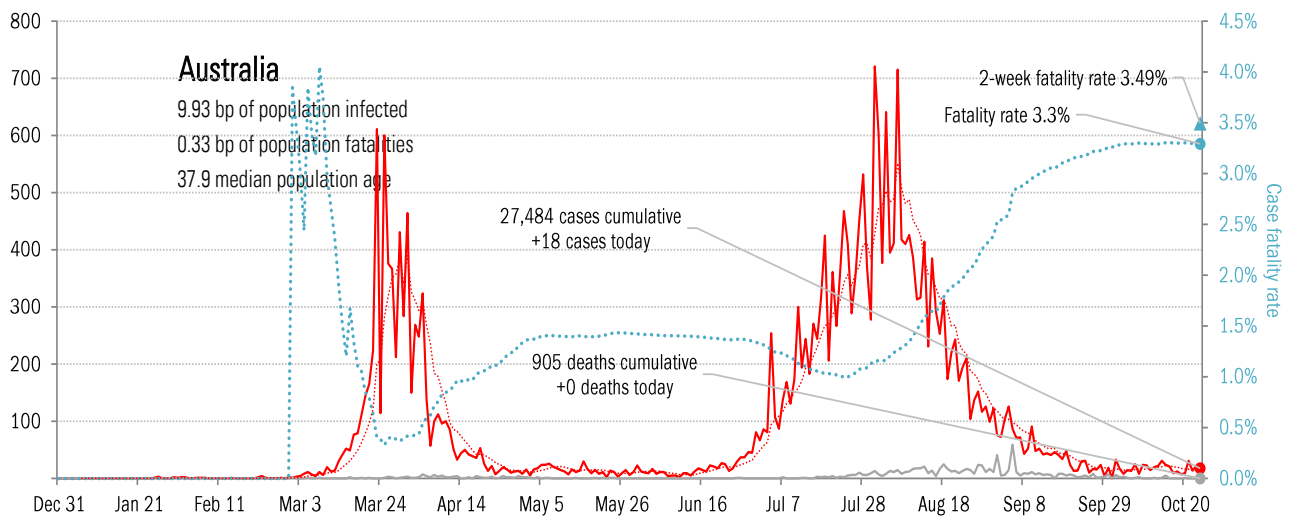
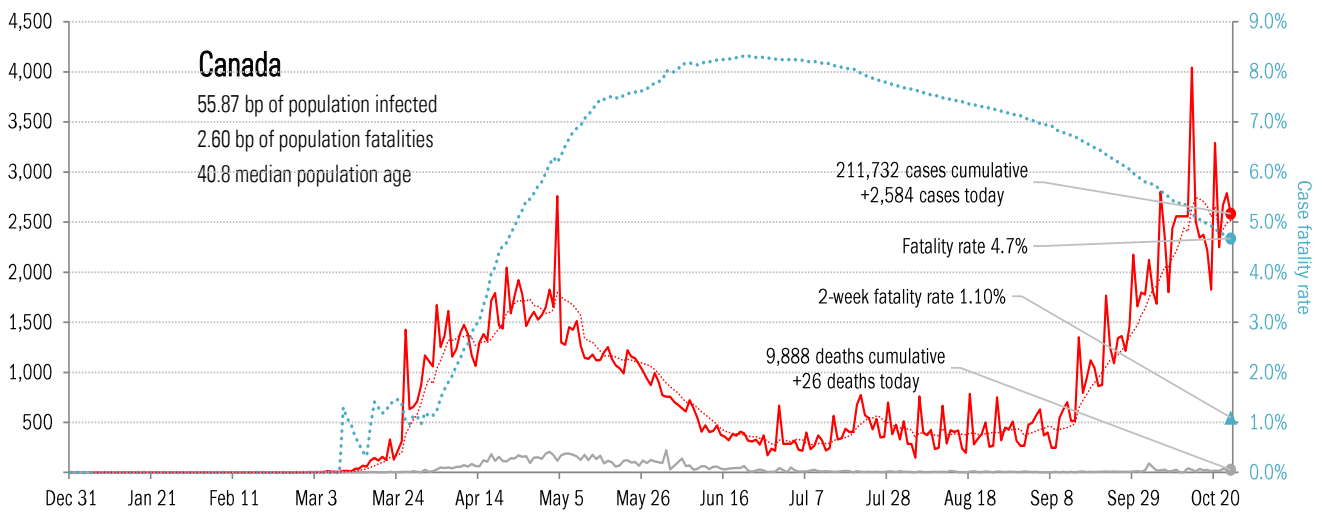
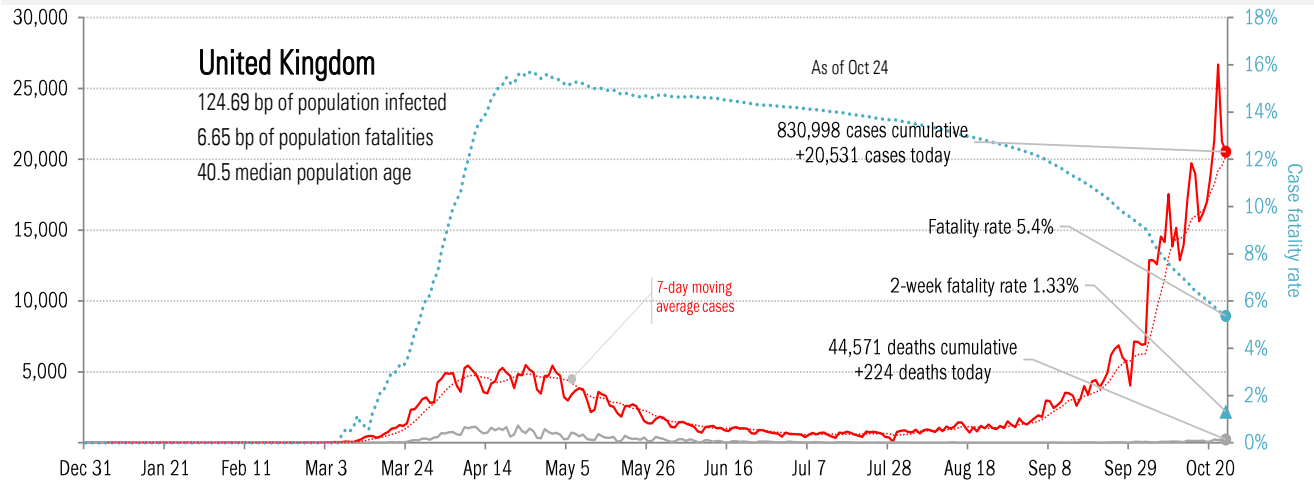
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



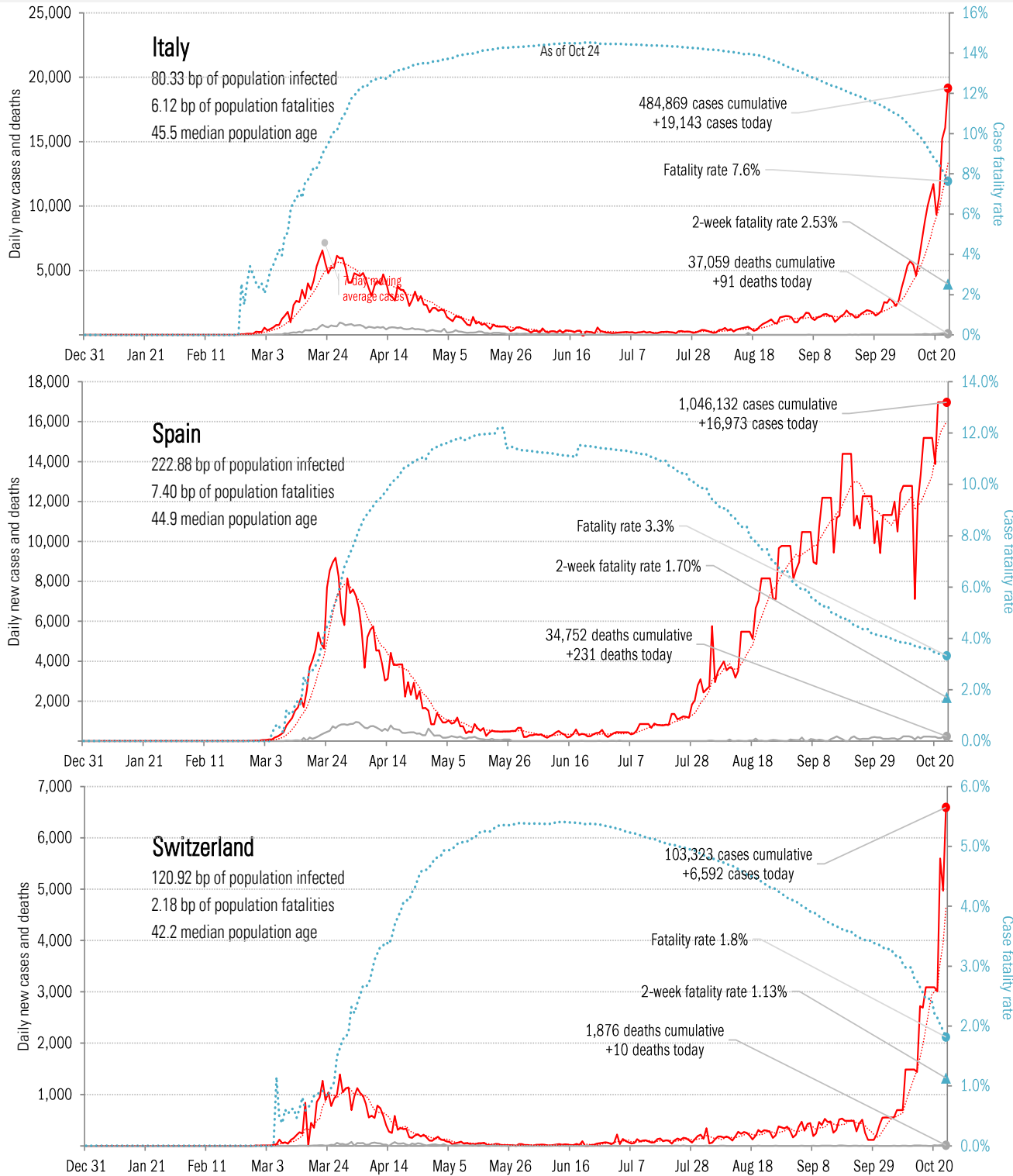
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



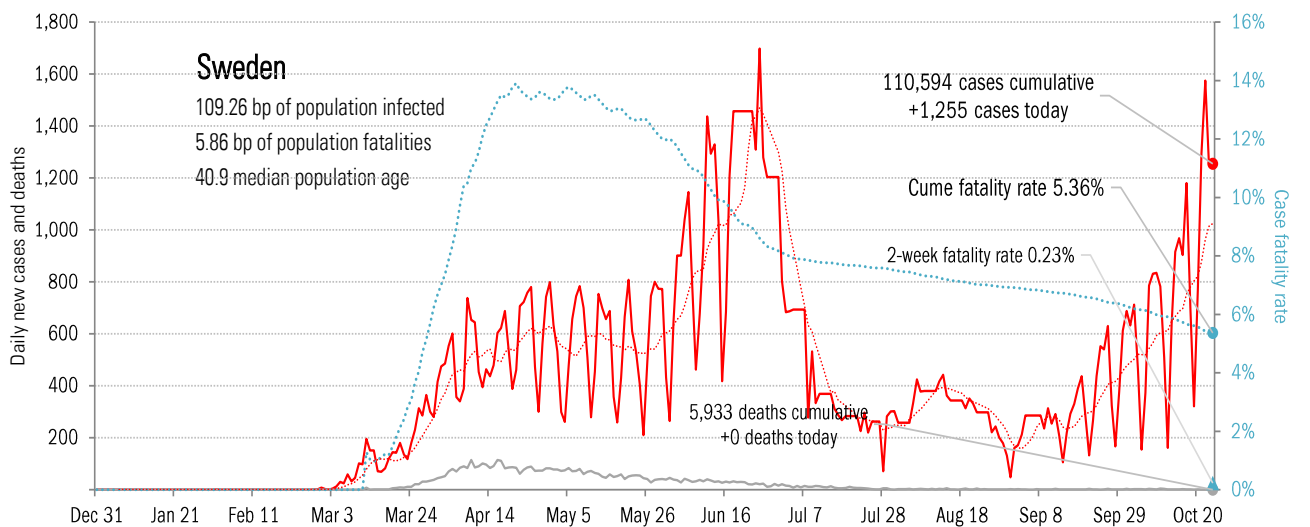
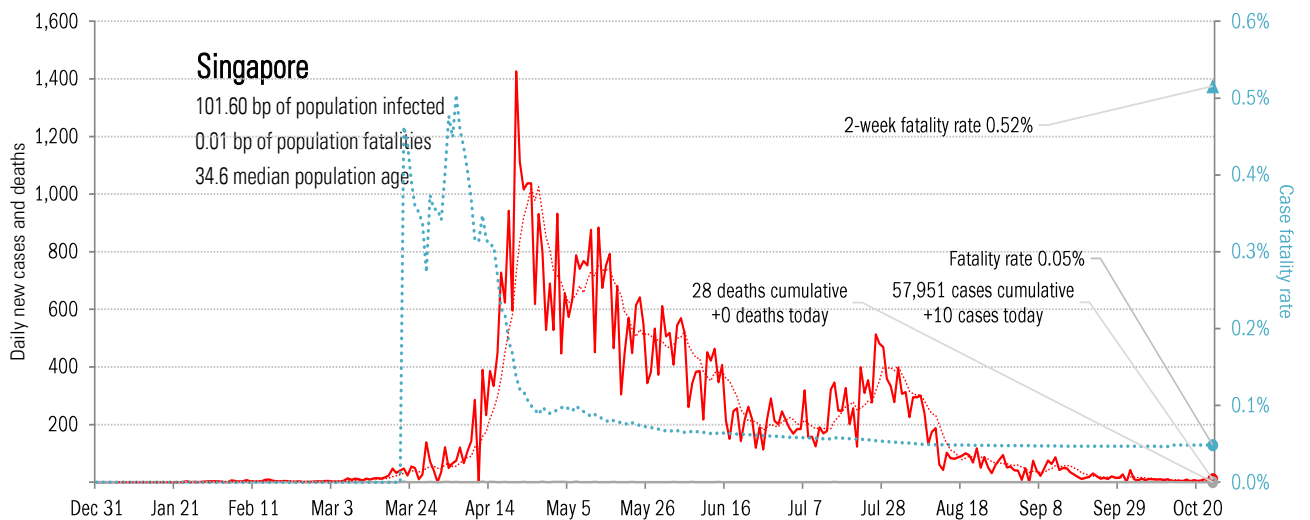
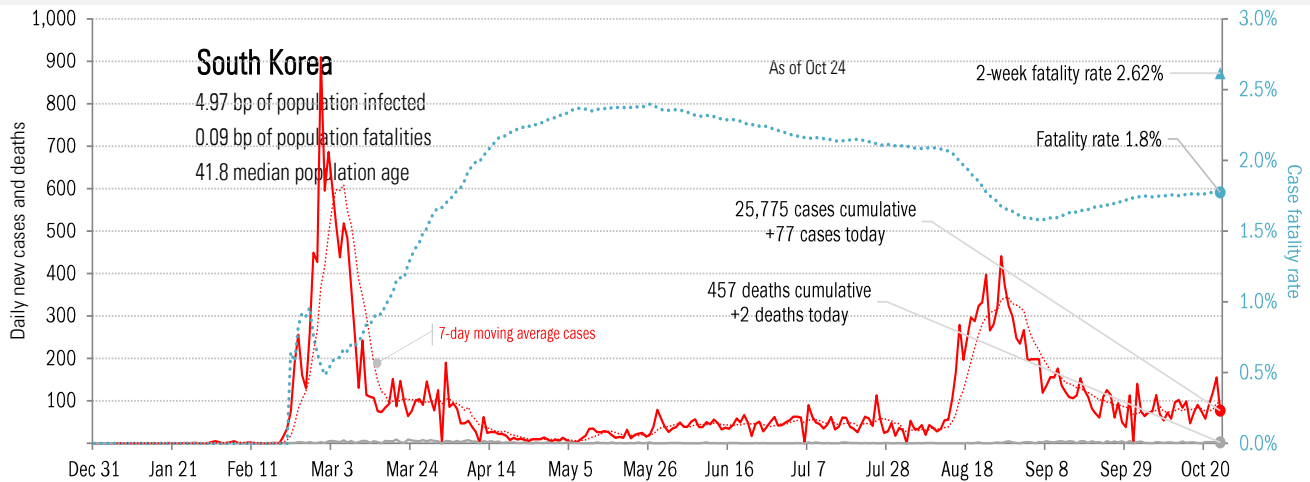
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



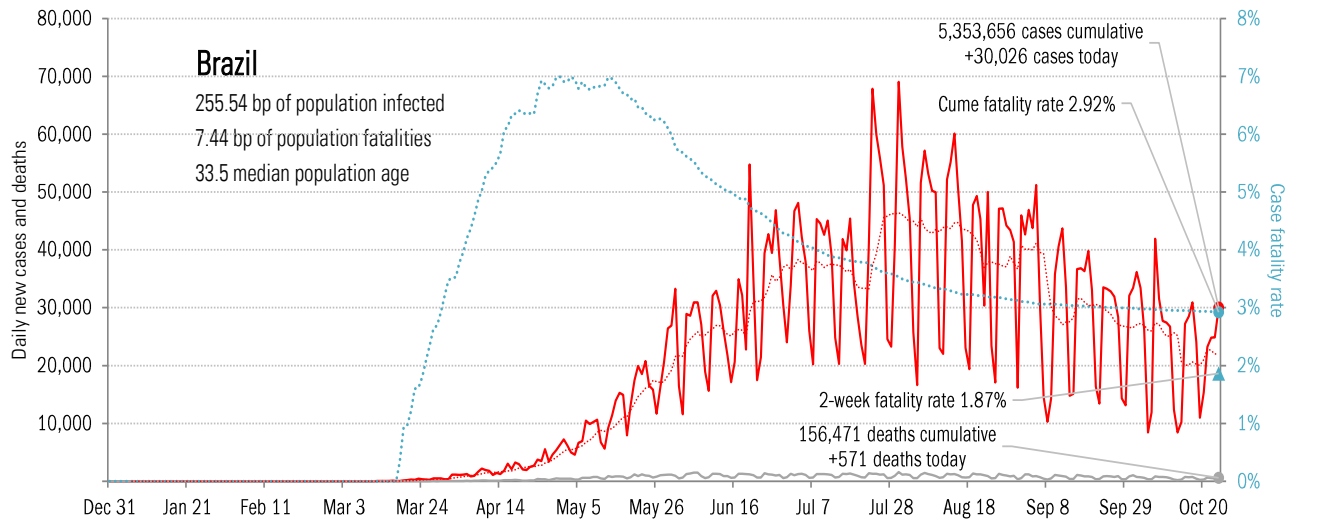
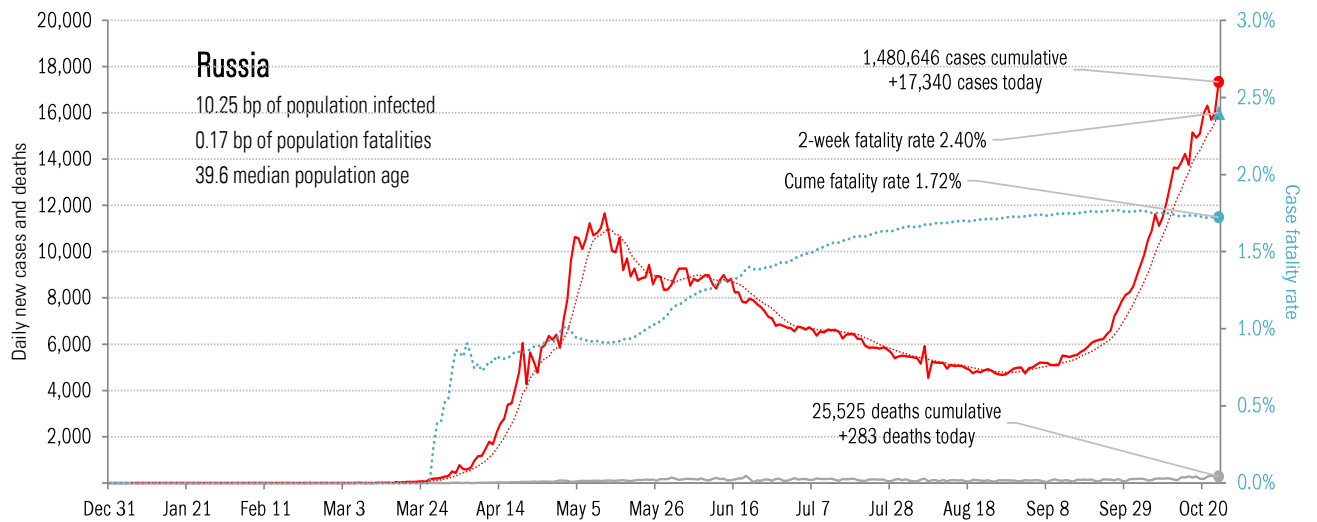
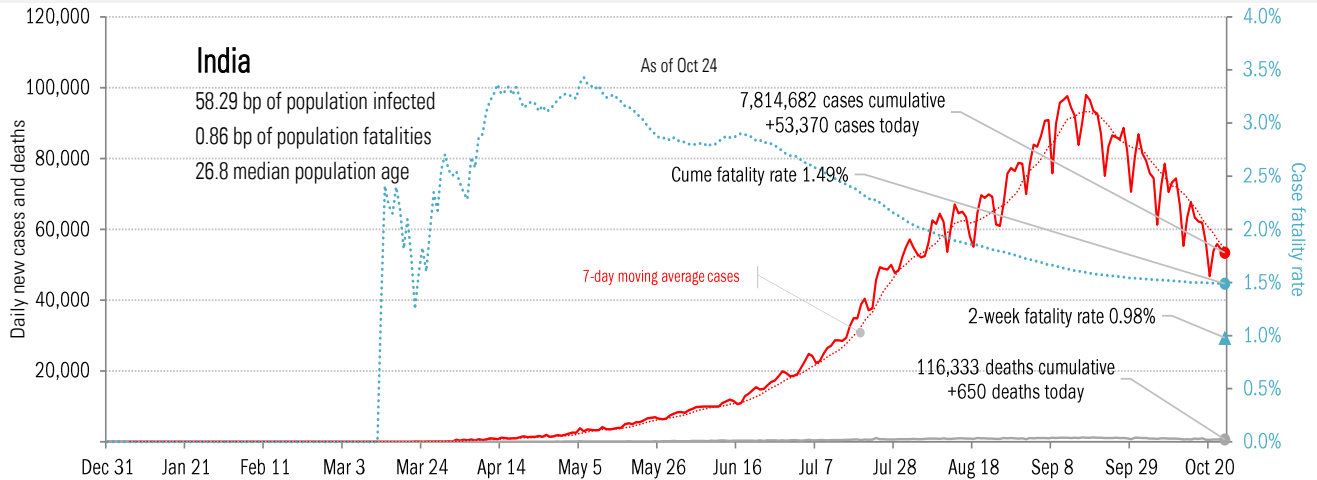
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



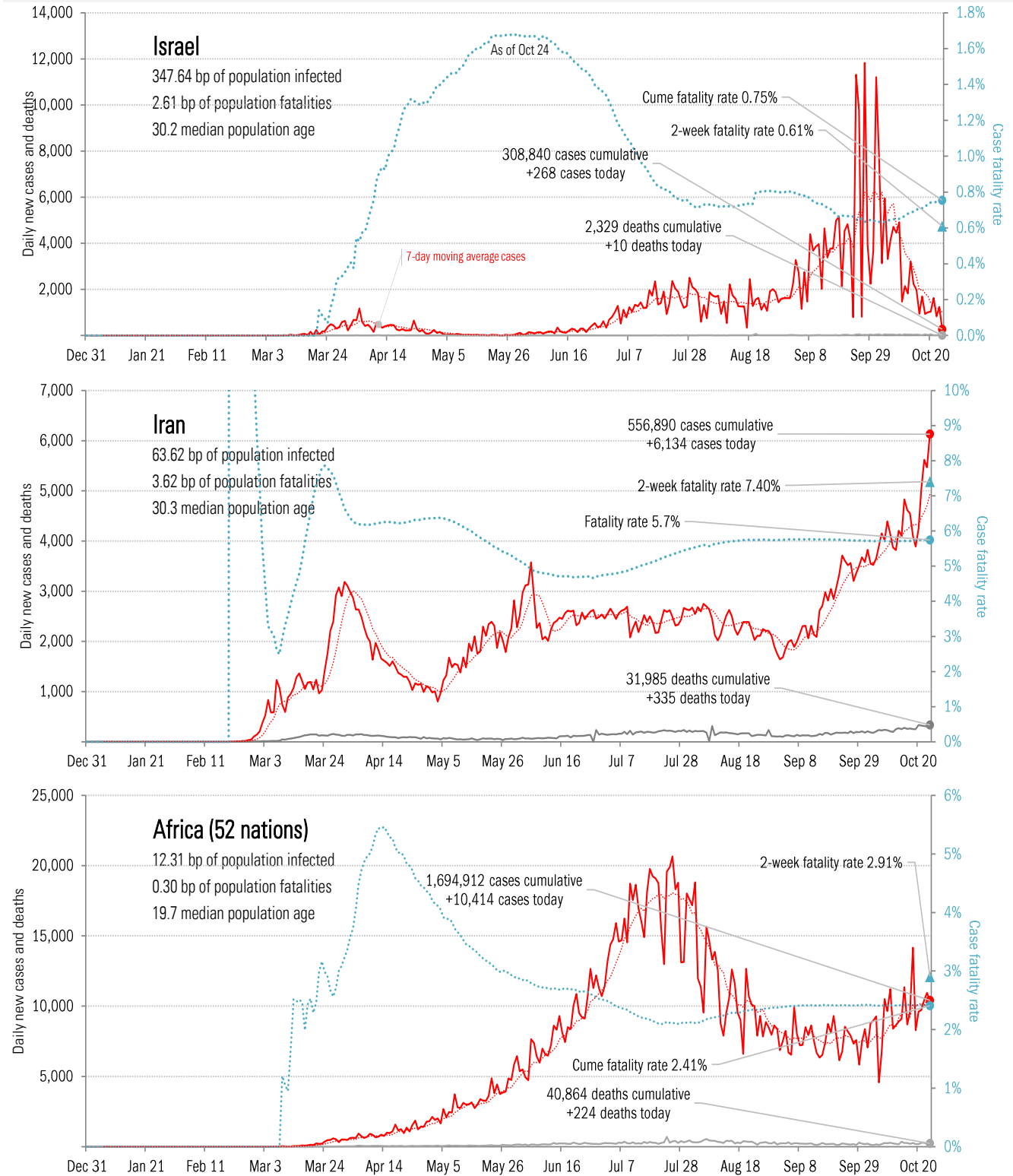
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations