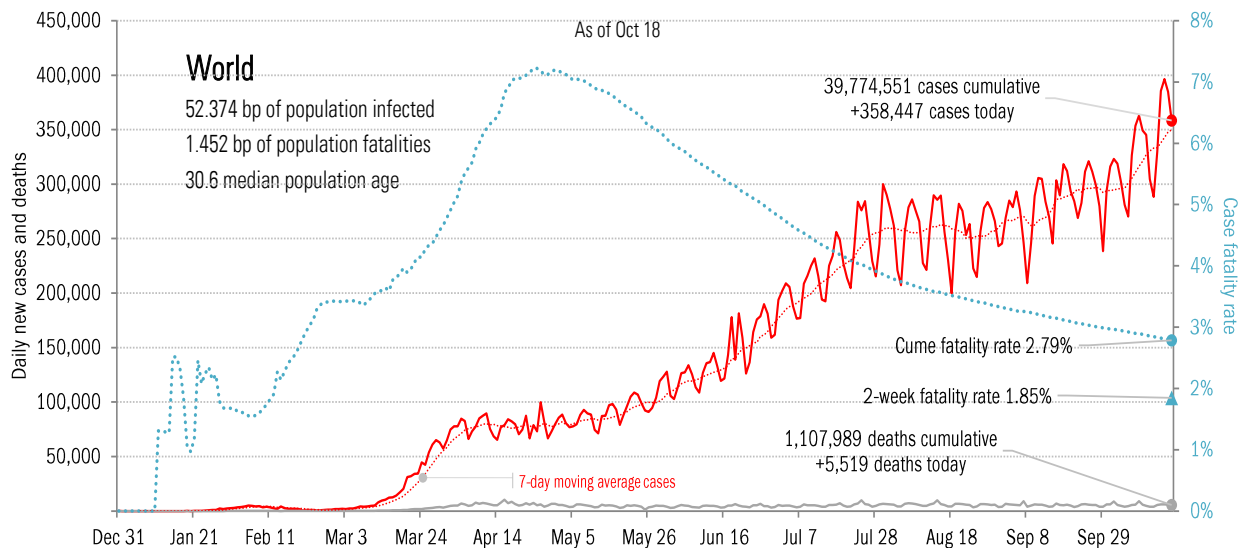
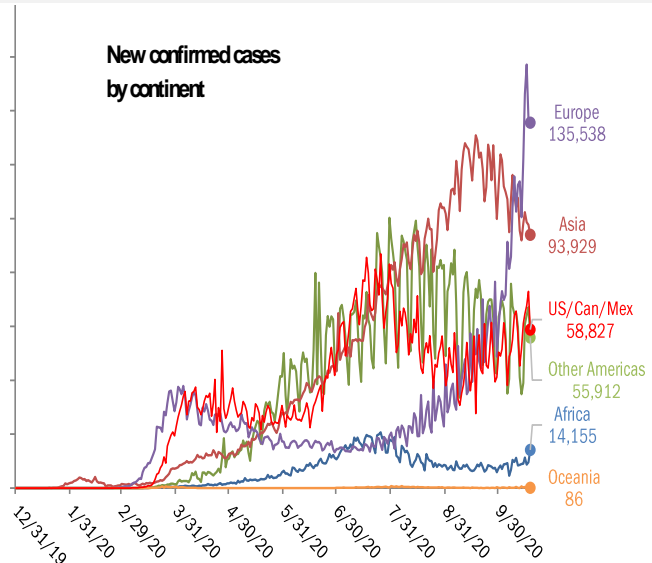


Data Insights: Covid-2019 Monitor

Sunday, October 18, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+61,871	India	+1,033
US	+56,611	US	+690
France	+32,427	Brazil	+461
Brazil	+24,062	Argentina	+384
United_Arab_Emirates	+16,171	Mexico	+355
UK	+16,171	Russia	+279
South_Sudan	+15,186	Iran	+253
Russia	+14,922	Colombia	+187
Argentina	+13,510	UK	+150
Italy	+10,925	Tunisia	+114
+261,856		+3,906	
World	+358,447	World	+5,519
Top ten	73%	Top ten	71%



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

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The US scorecard

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

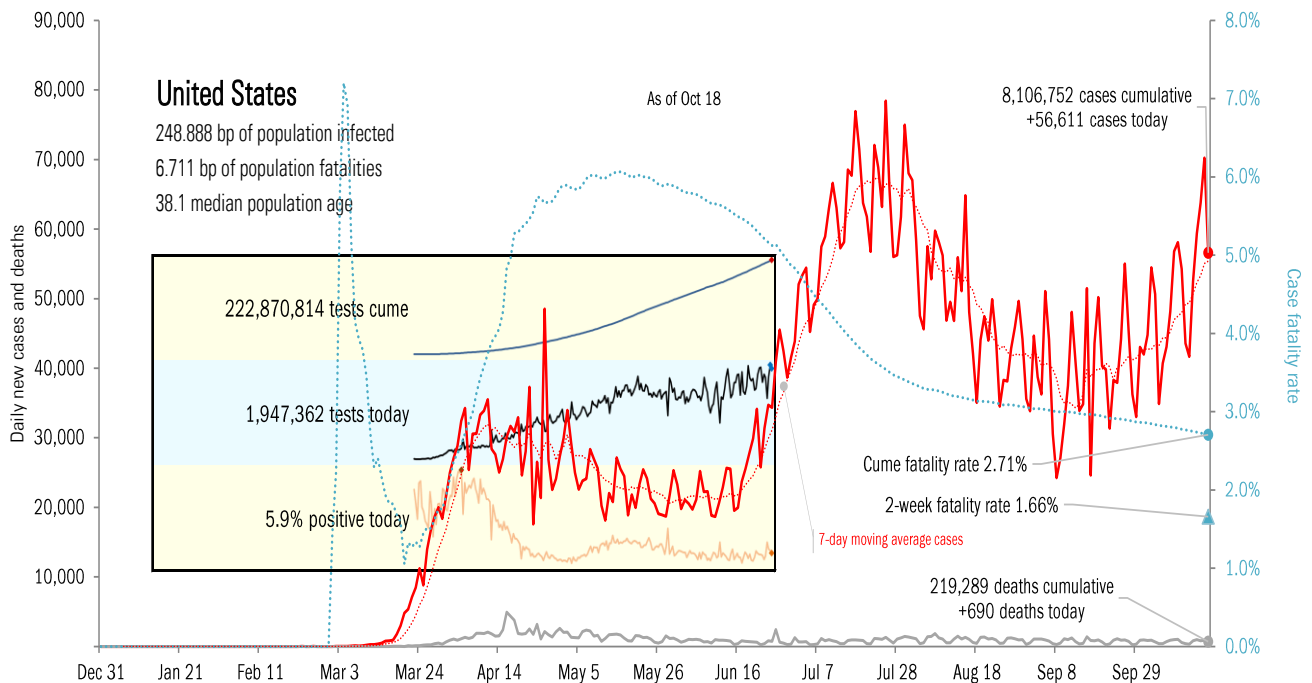
The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
TX	+4,885	MO	+121	IL	+57	CA	864,455	NY	25,637	NY	89,995
FL	+4,044	FL	+88	IN	+47	TX	820,563	TX	16,984	FL	47,513
IL	+3,629	TX	+81	NV	+34	FL	752,481	CA	16,899	GA	30,350
CA	+2,979	CA	+69	NJ	+31	NY	482,891	NJ	16,204	NJ	24,160
TN	+2,646	GA	+51	TX	+27	IL	343,390	FL	16,118	AZ	20,618
IN	+2,482	TN	+32	KY	+24	GA	339,384	MA	9,723	VA	19,989
MO	+2,357	IN	+31	NM	+18	NC	243,725	IL	9,452	AL	18,855
CH	+2,234	IL	+27	TN	+18	AZ	230,407	PA	8,466	CH	17,009
NC	+2,102	MI	+23	PA	+17	TN	226,139	GA	7,607	MD	16,352
MI	+1,986	SC	+22	CO	+14	NJ	218,738	MI	7,340	IN	14,604
+29,344		+545		+287		4,522,173		134,430		299,445	
All states	+59,642	All states	+797	All states	+68	All states	8,067,332	All states	211,014	All states	434,256
Top ten	49%	Top ten	68%	Top ten	422%	Top ten	56%	Top ten	64%	Top ten	69%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
WI	-4,105	AL	-28	WI	-58	AL	+3
KS	-1,700	IL	-25	AL	-51	AR	+2
IL	-1,474	WI	-23	CH	-48	UT	+1
TX	-985	KS	-21	MN	-39	AK	+0
CT	-802	LA	-20	GA	-32	AS	+0



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

Recommended reading

[Trump urges states to open up despite Covid surge](#)

Kiran Stacey
Financial Times
October 22, 2020

[Europe's second wave raises threat of double-dip recession](#)

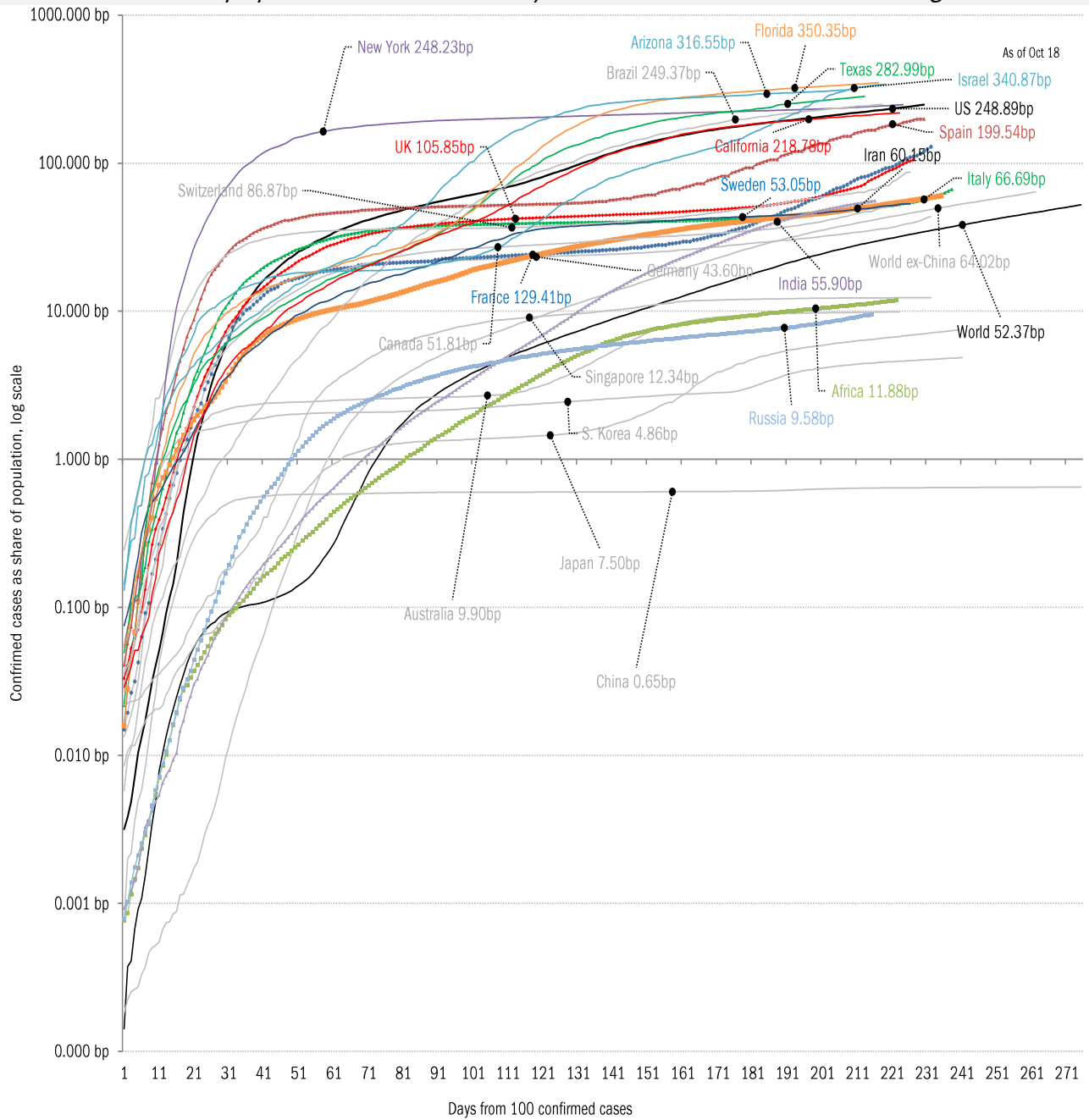
Martin Arnold
Financial Times
October 18, 2020

Meme of day



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

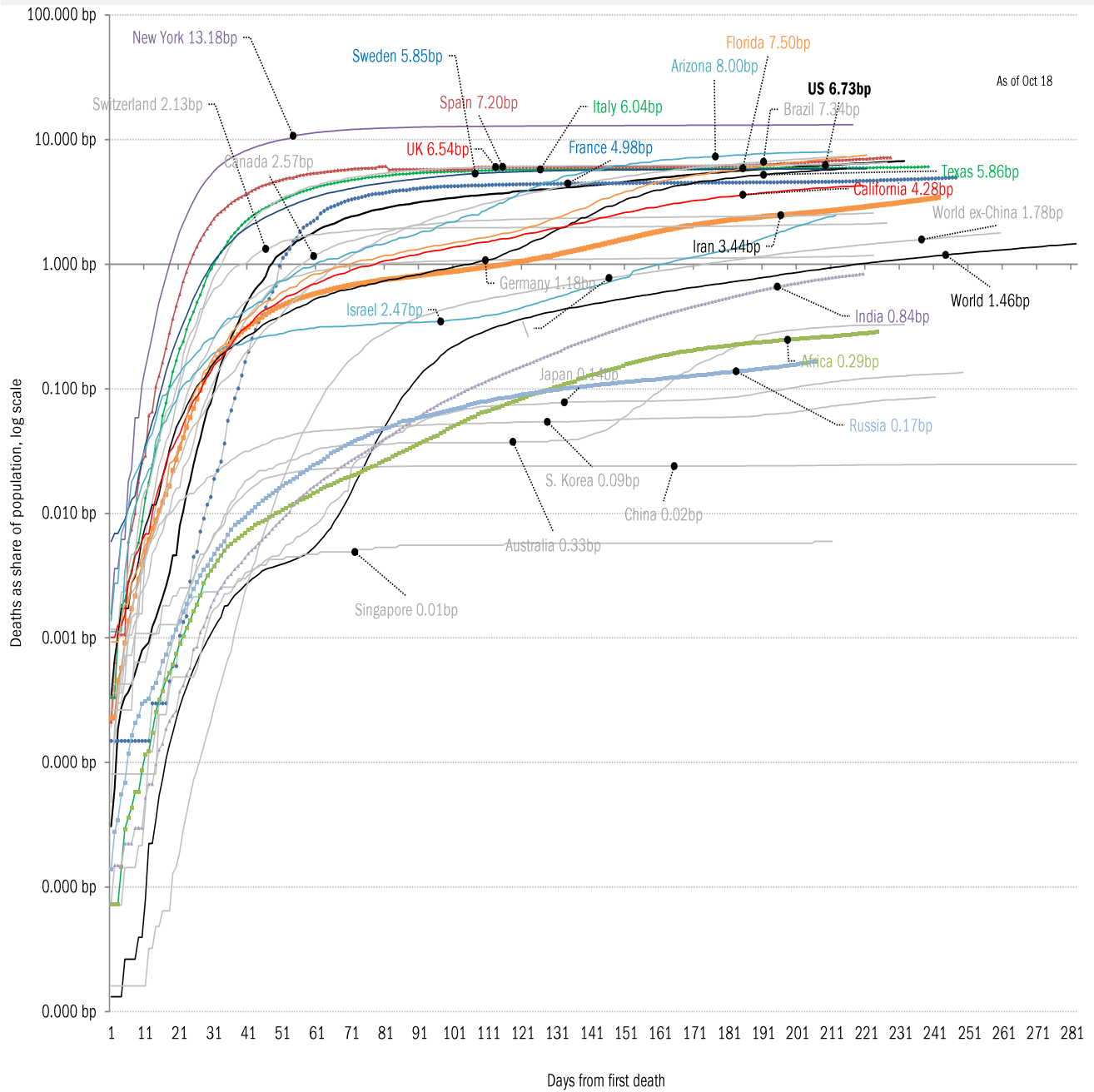
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

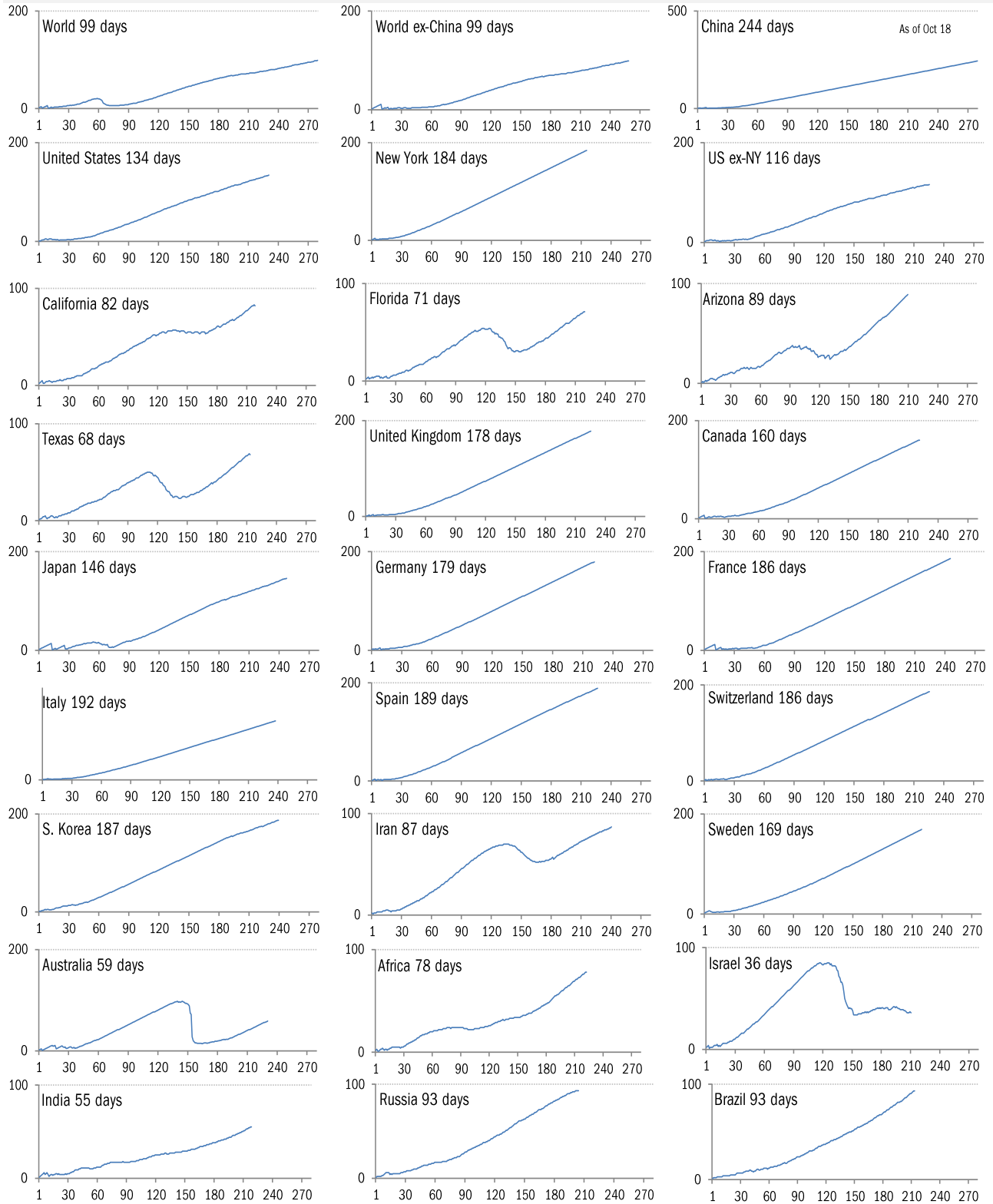


Source: [ECDC](#), TrendMacro calculations

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

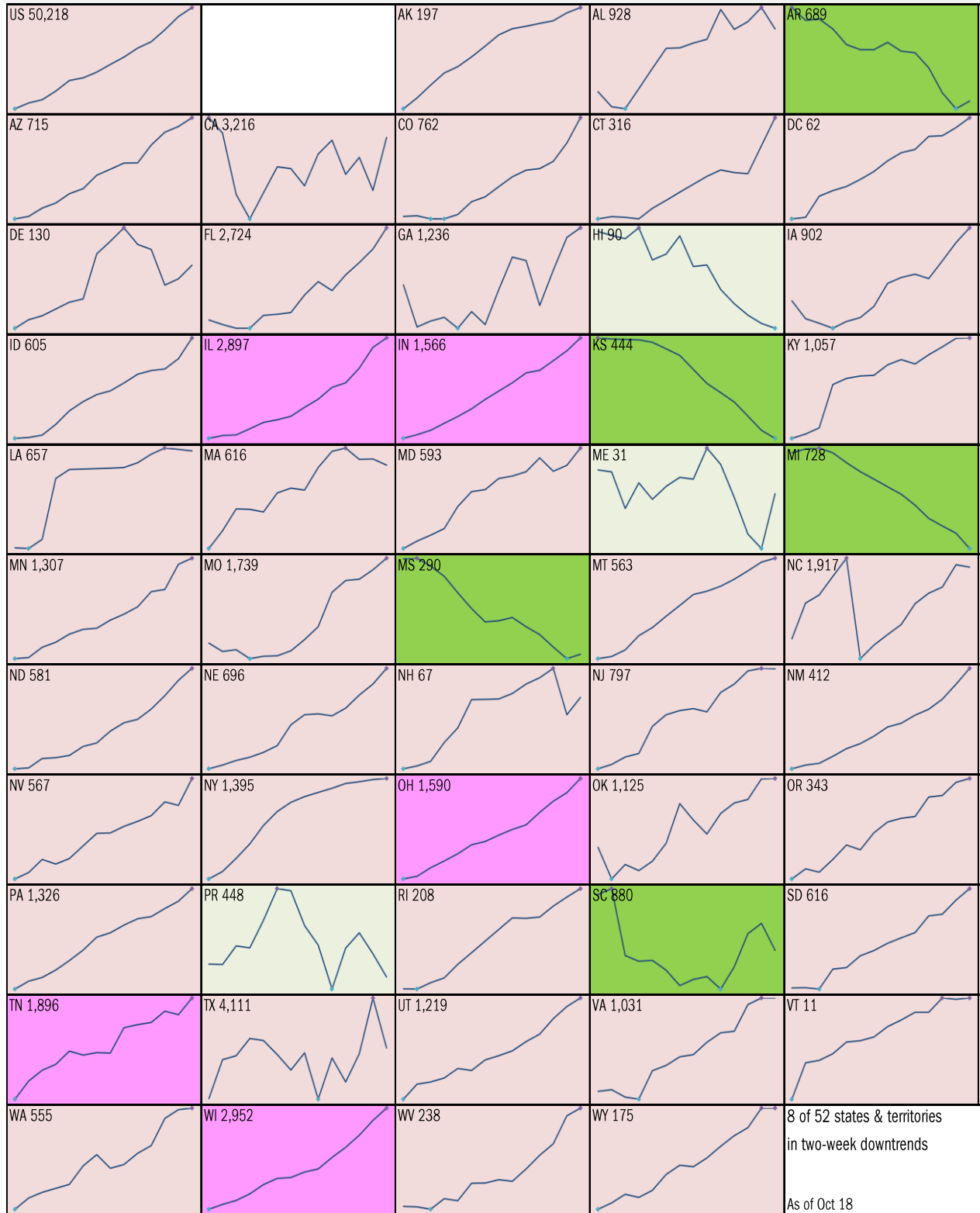
Vertical: days to double deaths Horizontal: days from first death

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



Source: [ECDC](#), 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

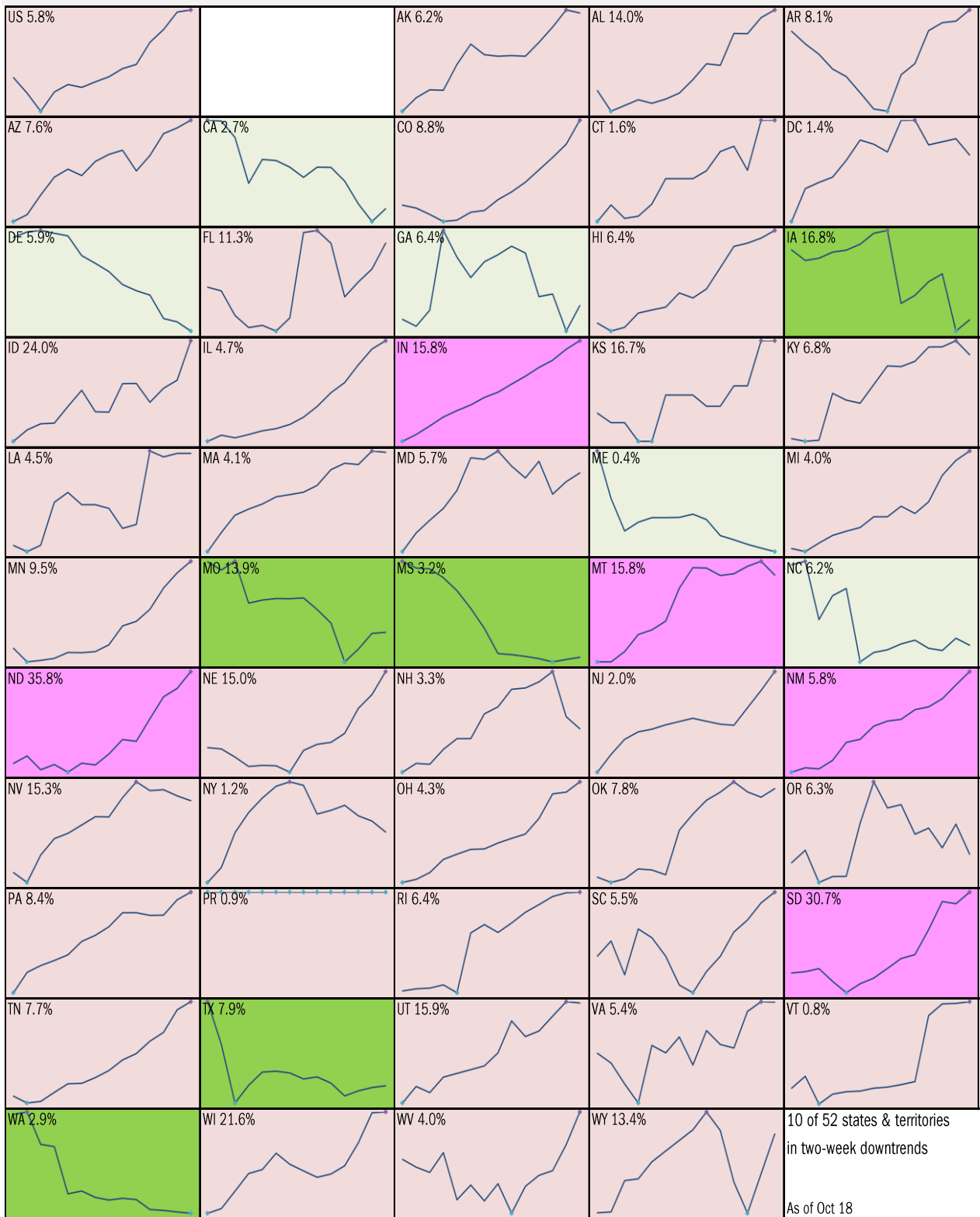


Source: [Covid Tracking Project](#), TrendMacro calculations

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



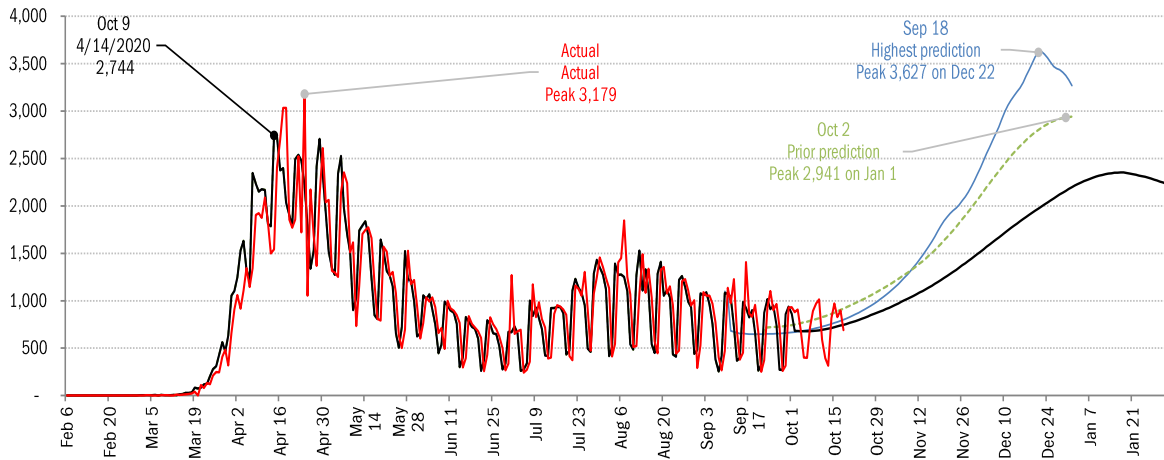
Source: [Covid Tracking Project](#), TrendMacro calculations

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

New daily fatalities

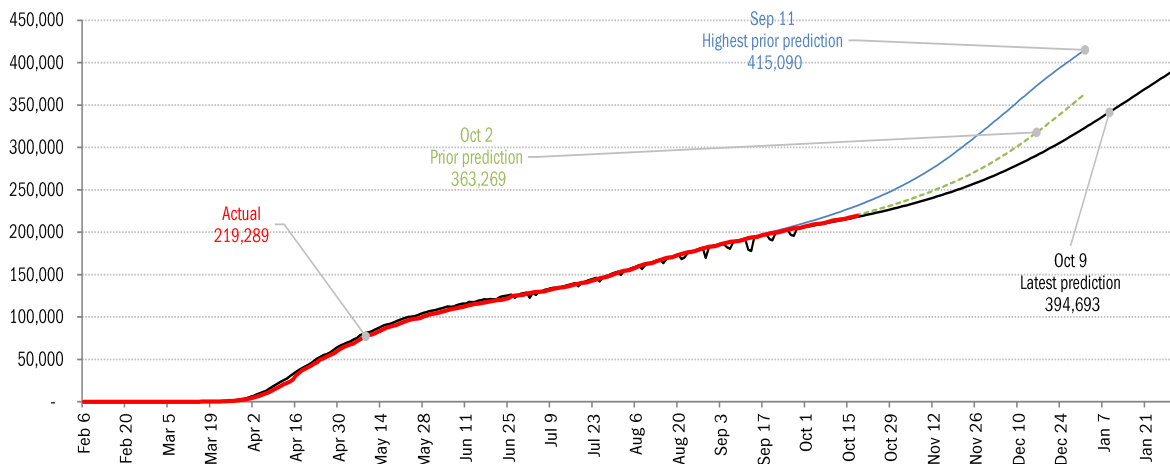
As of Oct 18

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

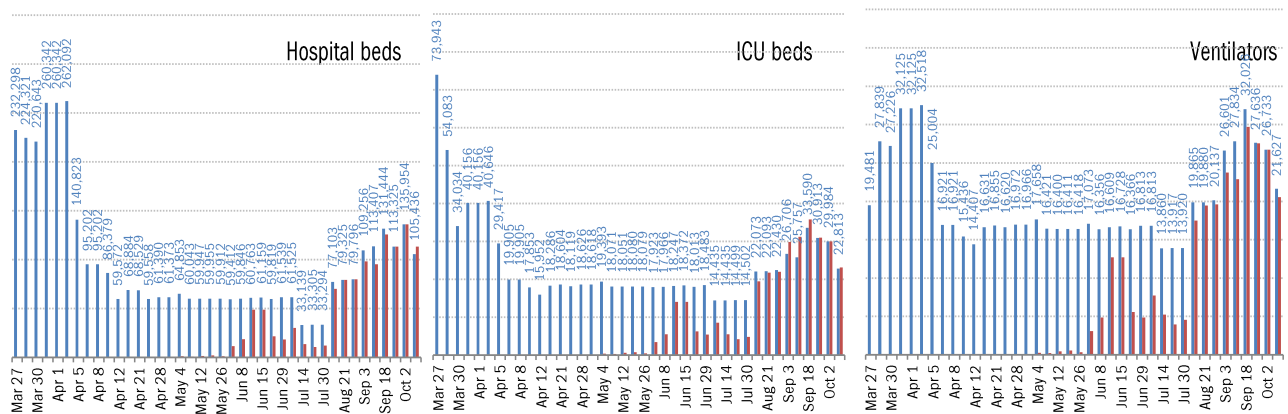


Cumulative fatalities

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

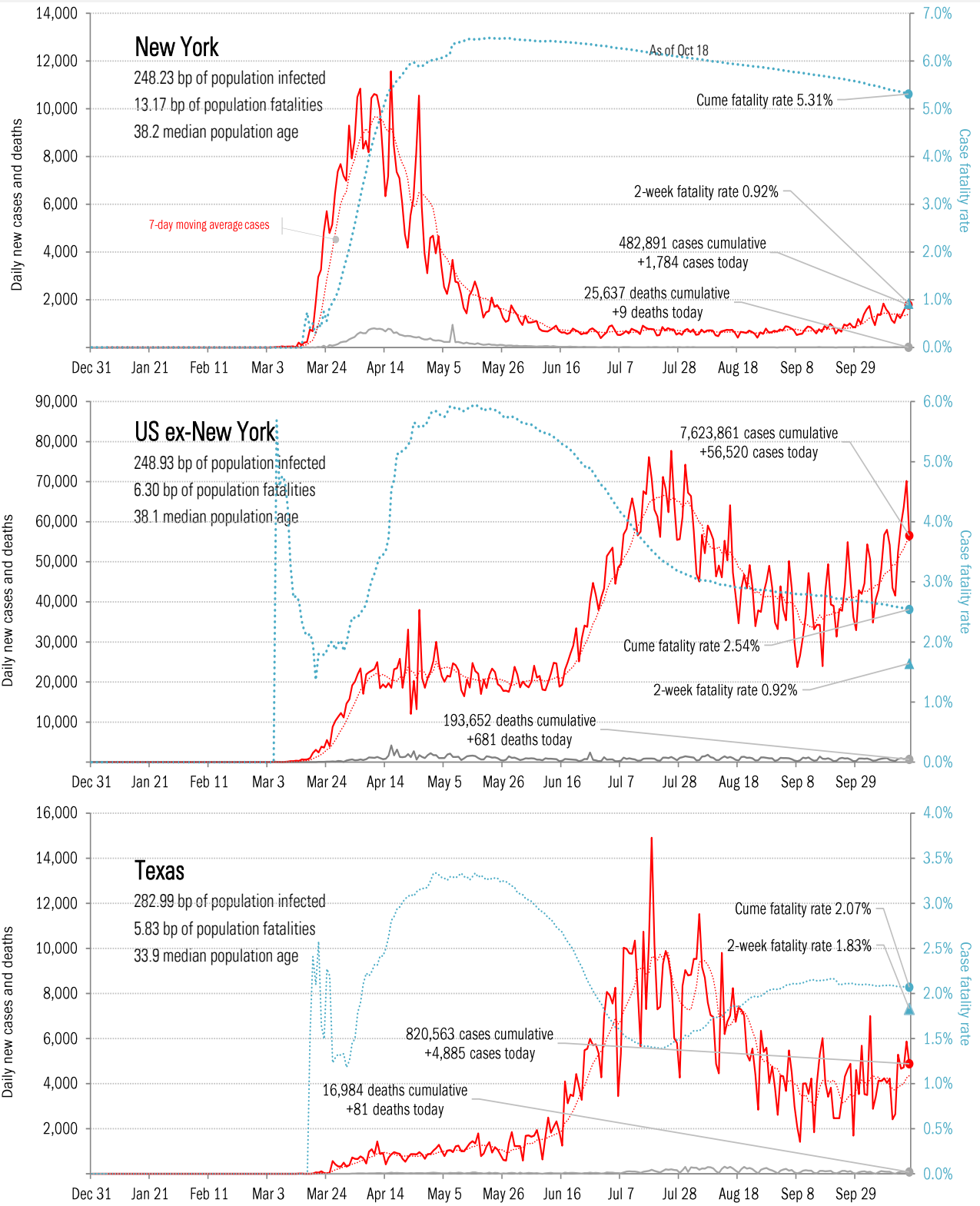


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



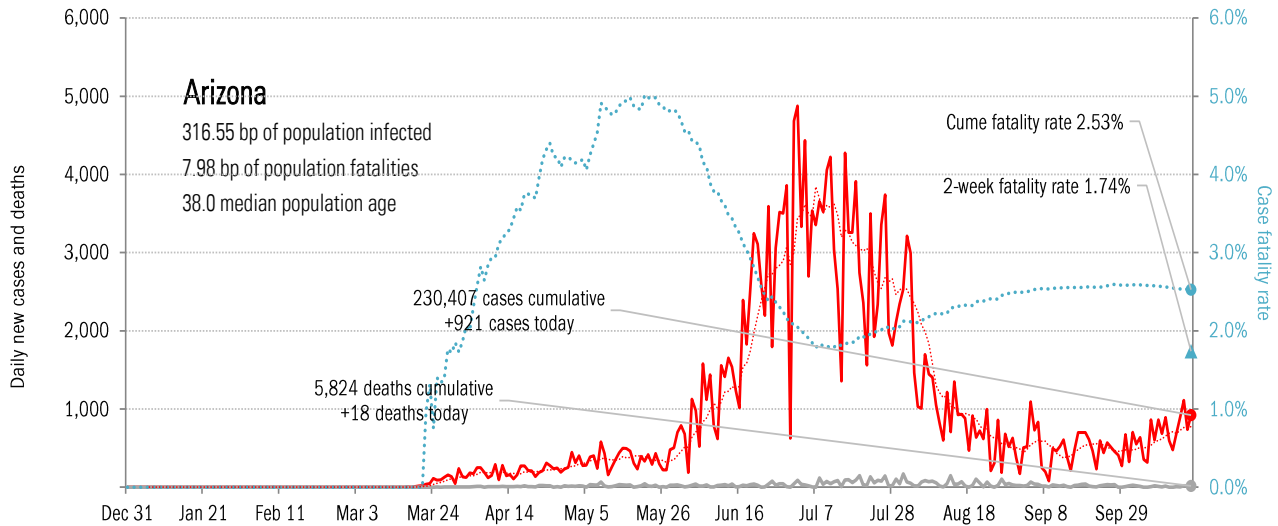
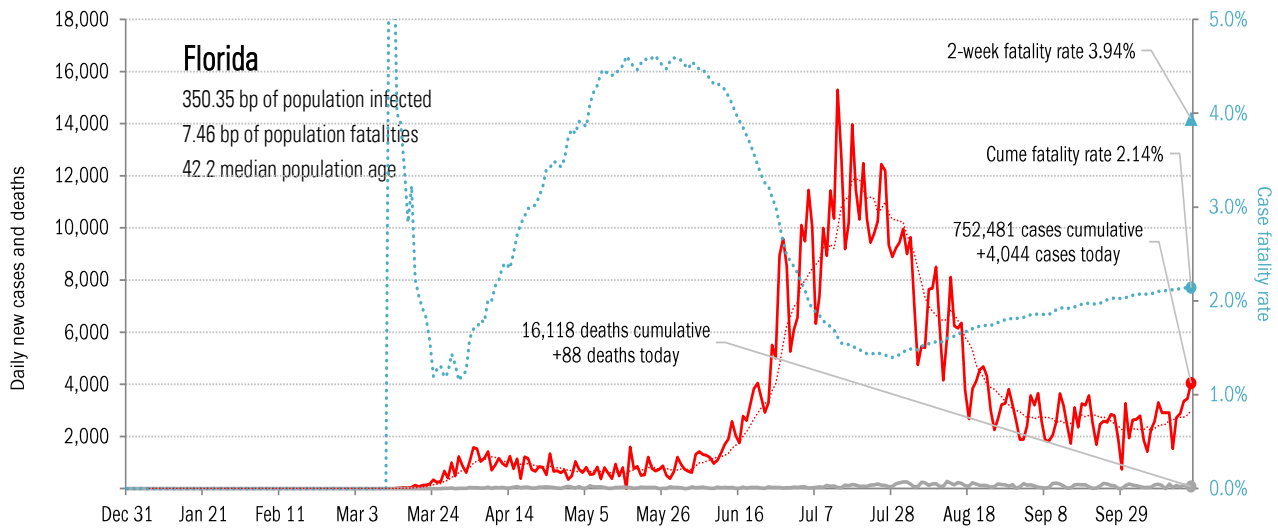
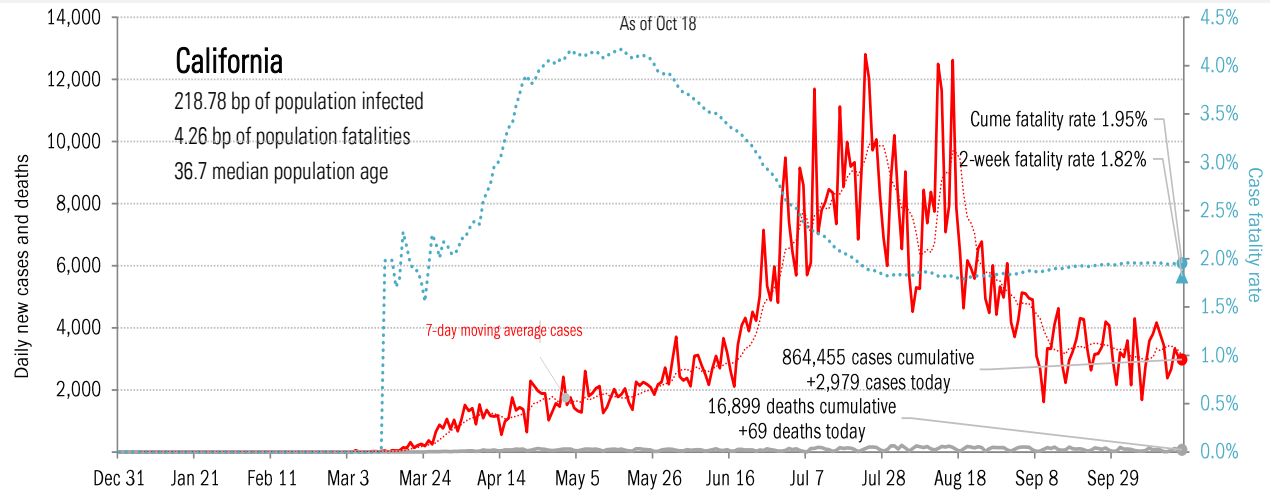
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



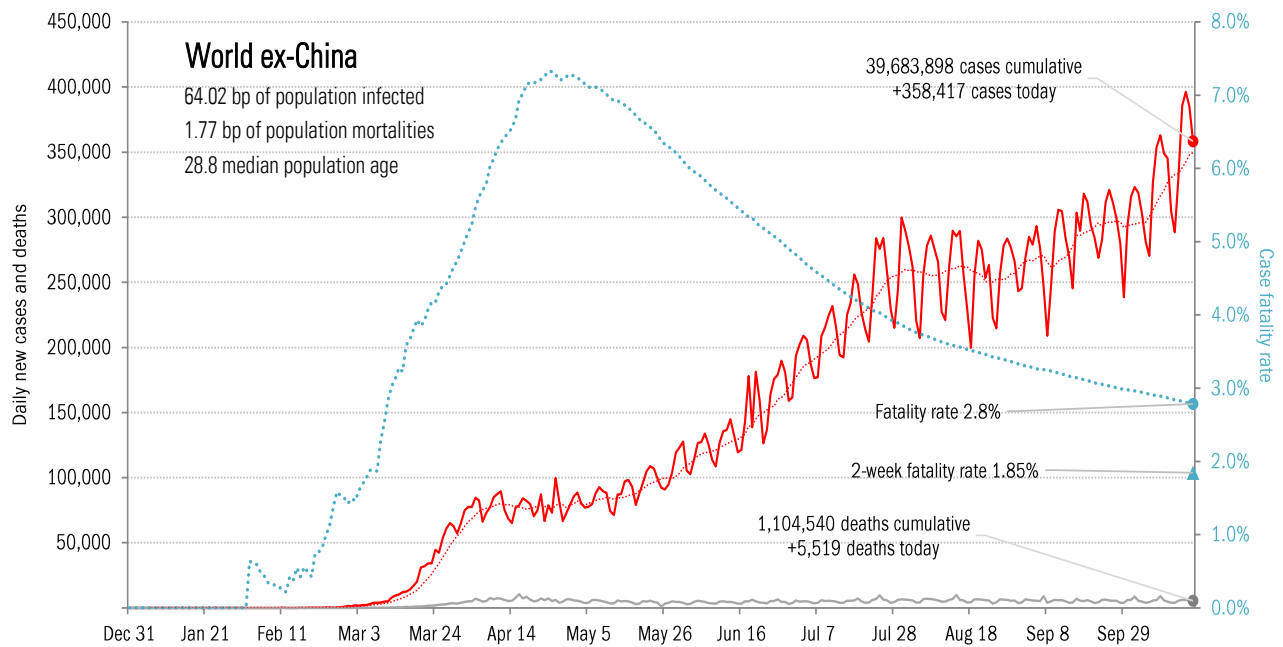
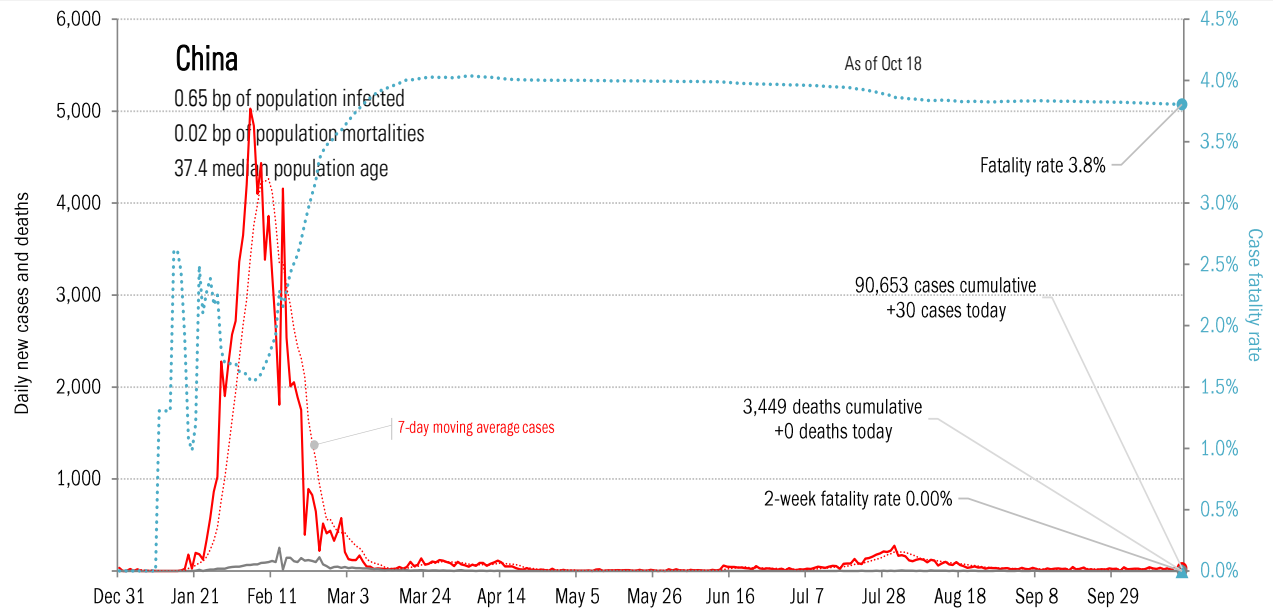
Source: [ECDC](#), TrendMacro calculations

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



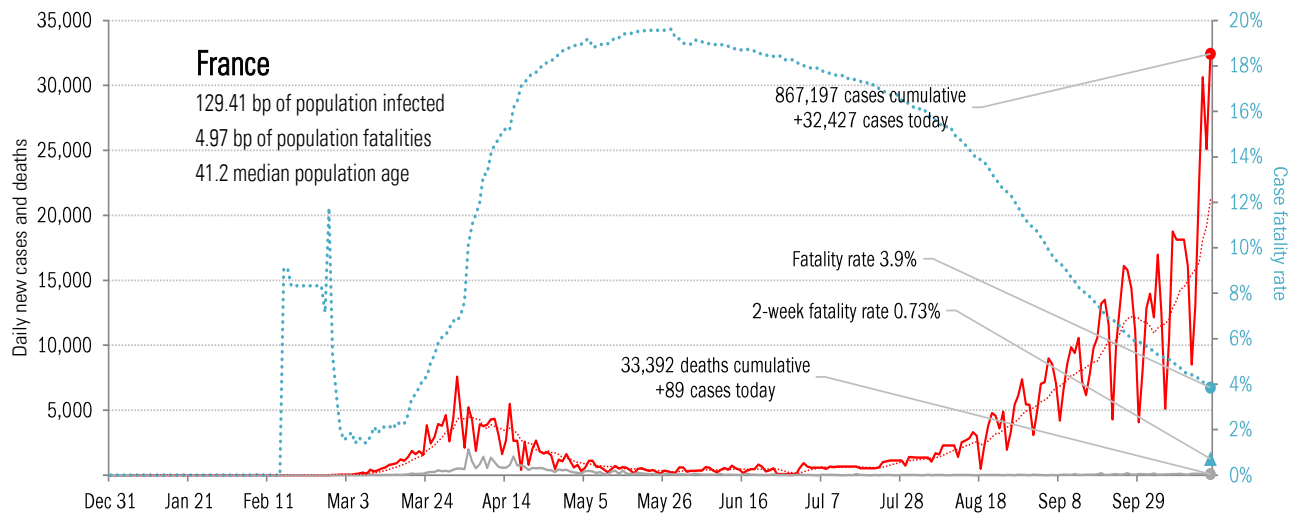
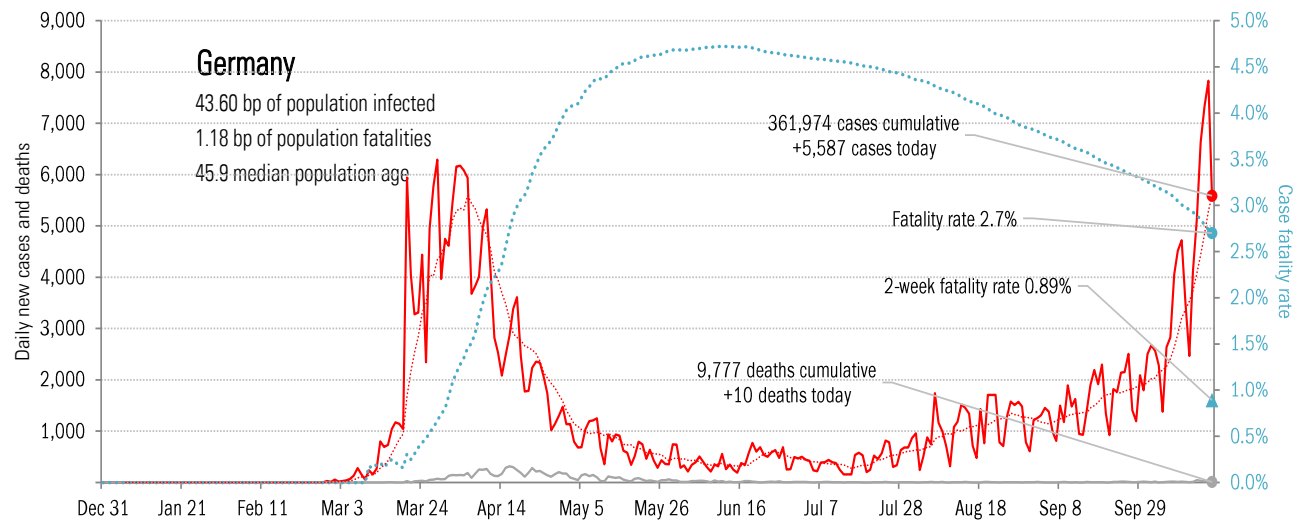
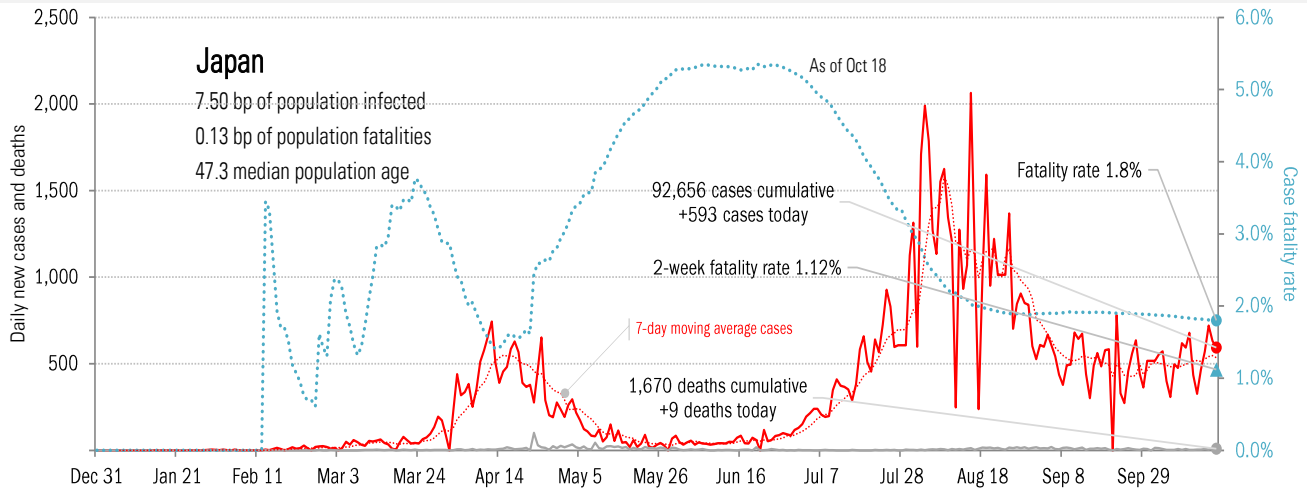
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



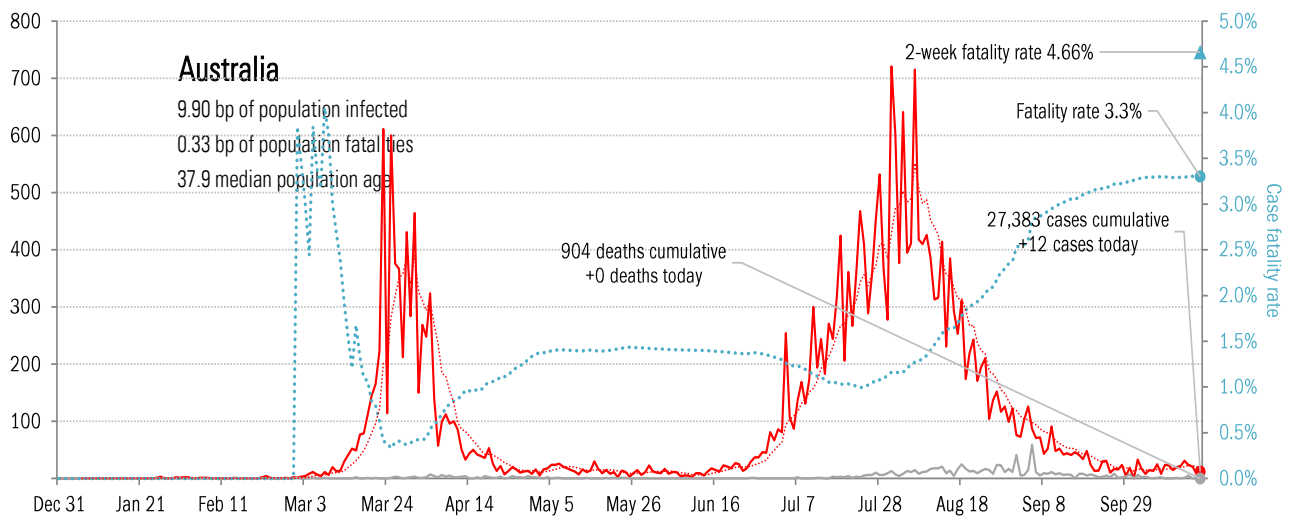
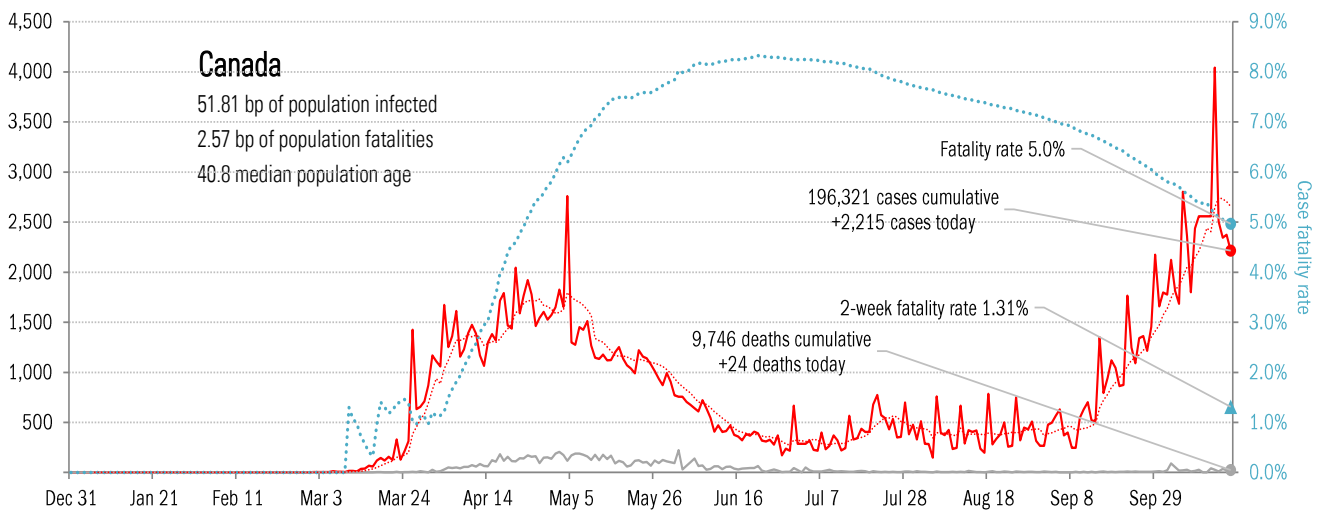
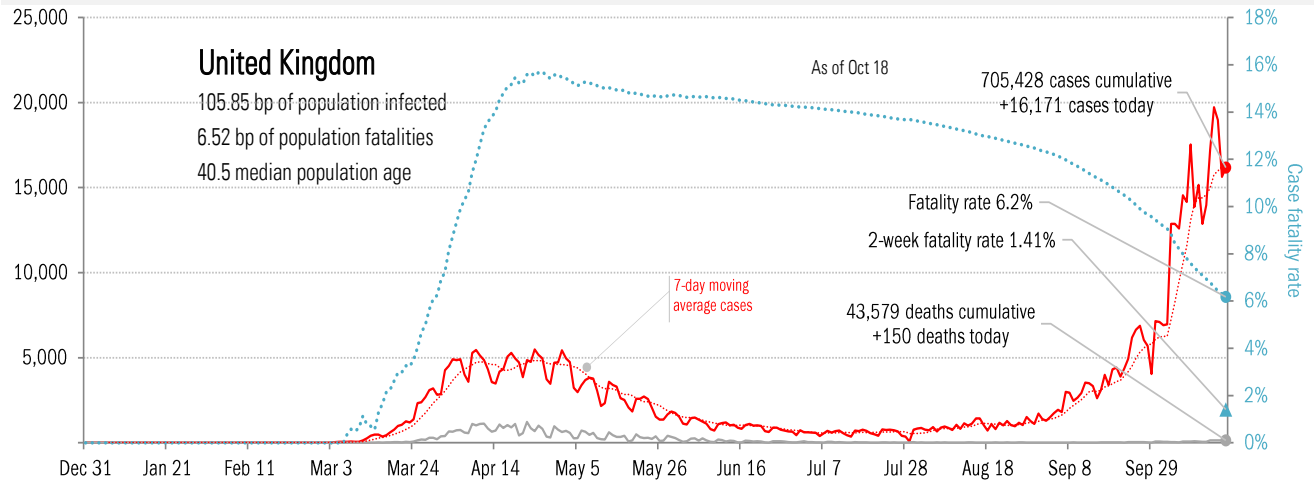
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



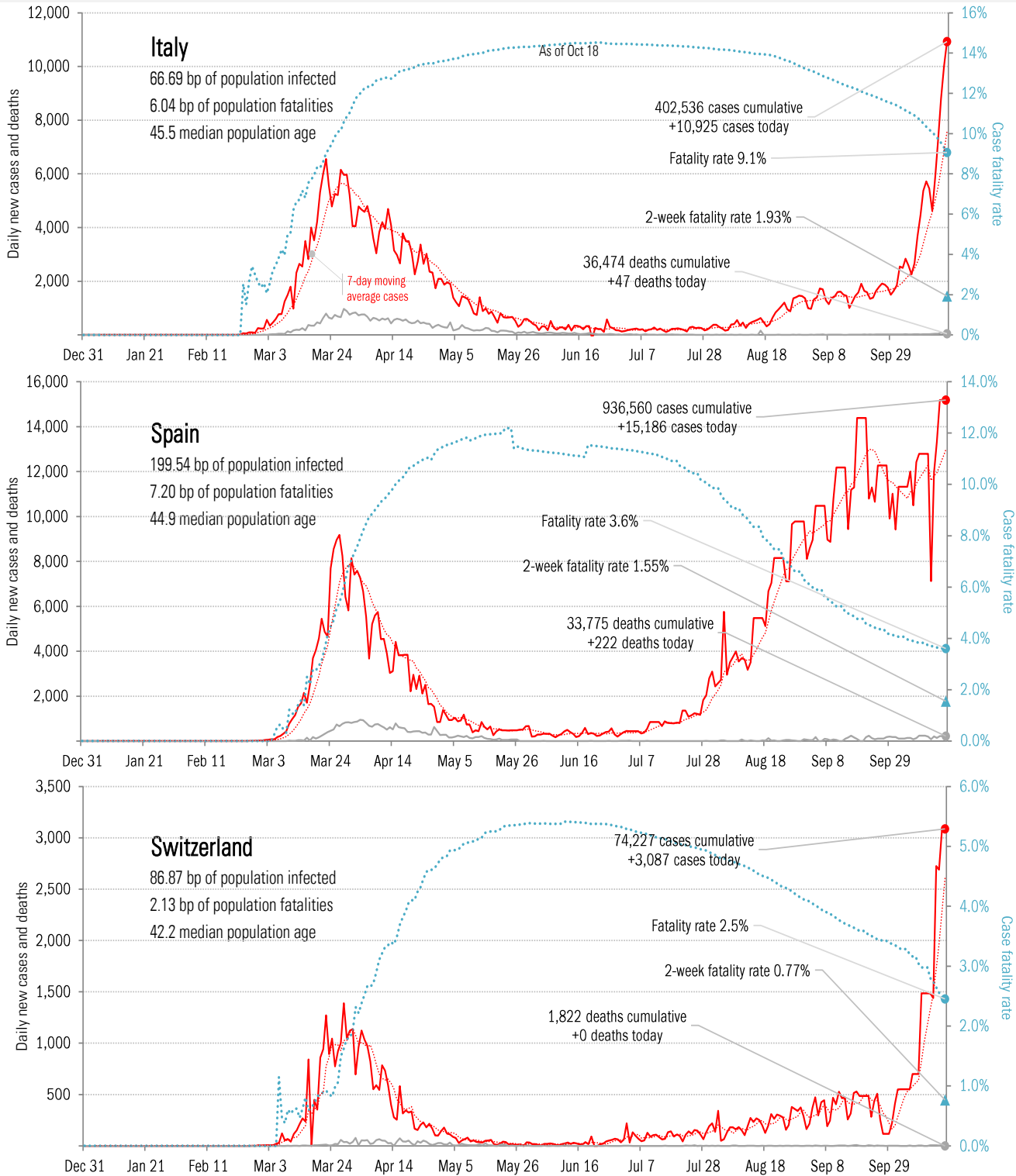
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



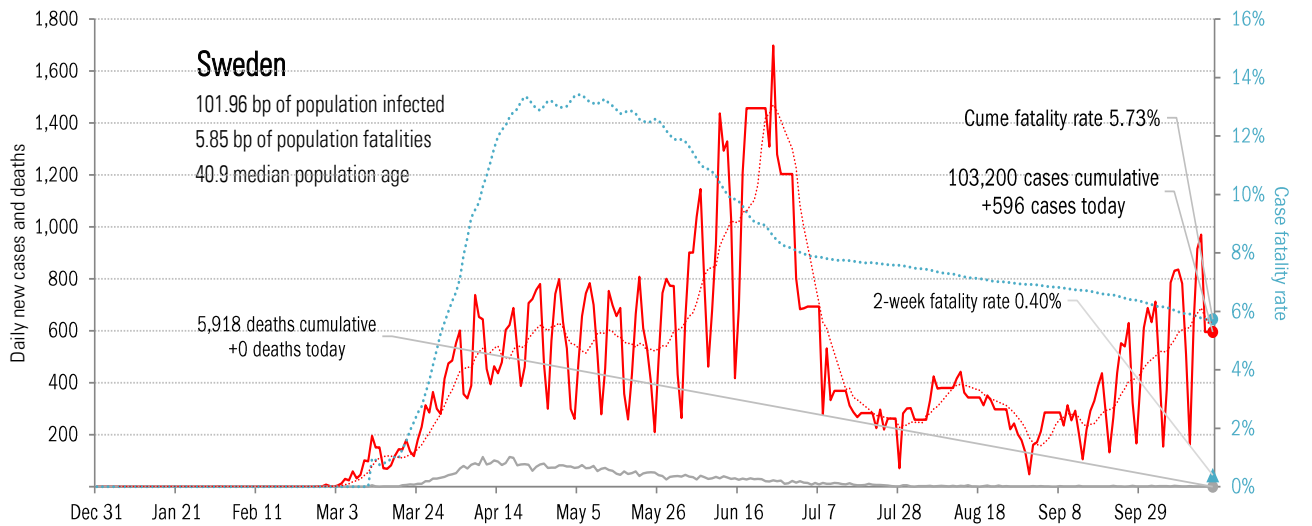
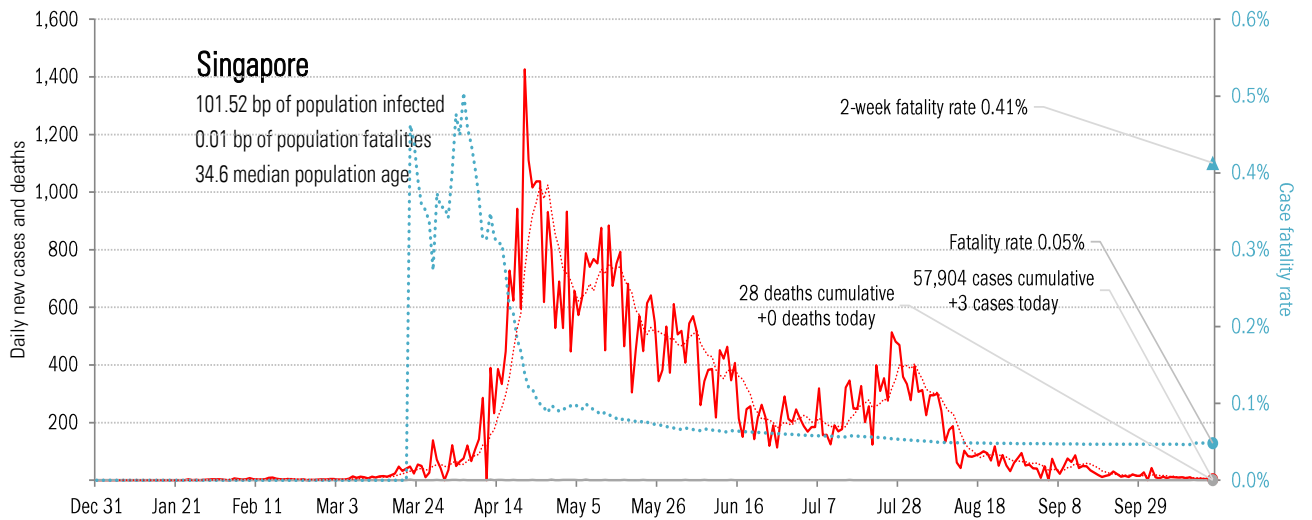
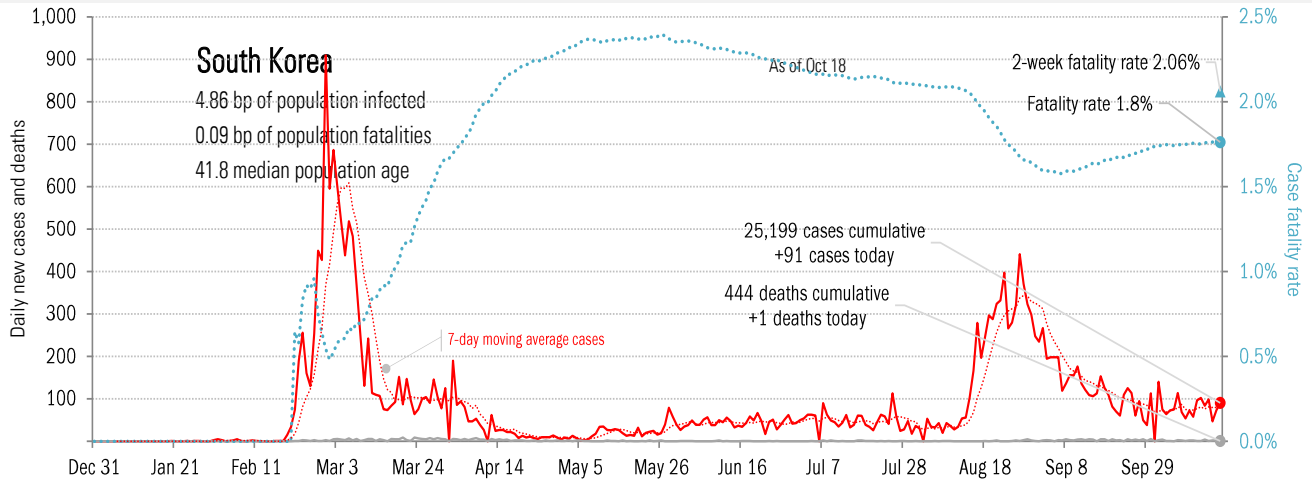
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



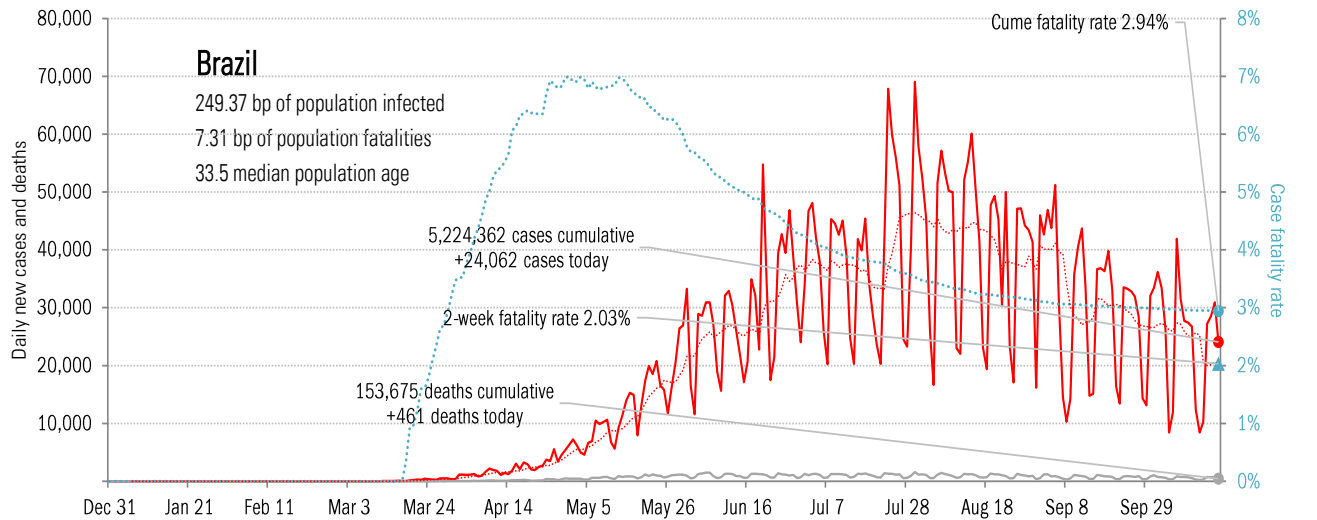
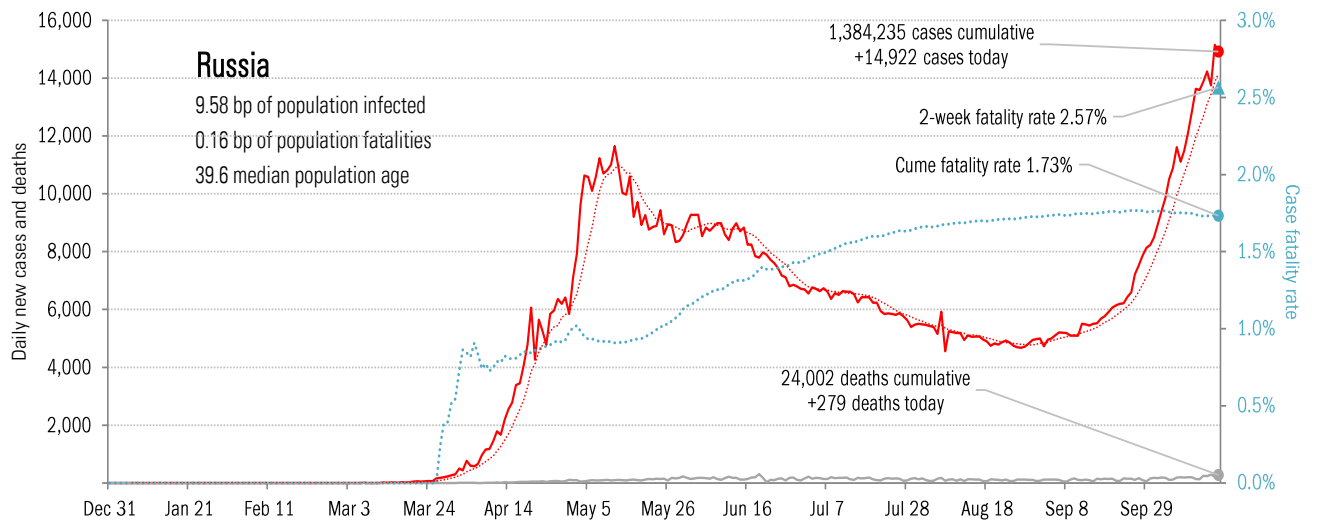
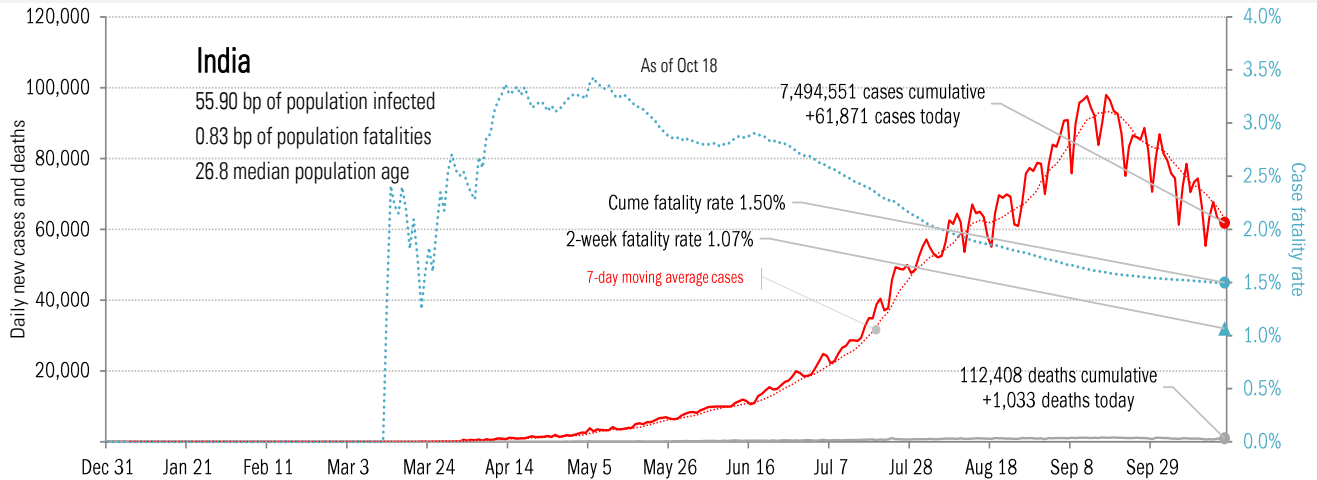
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



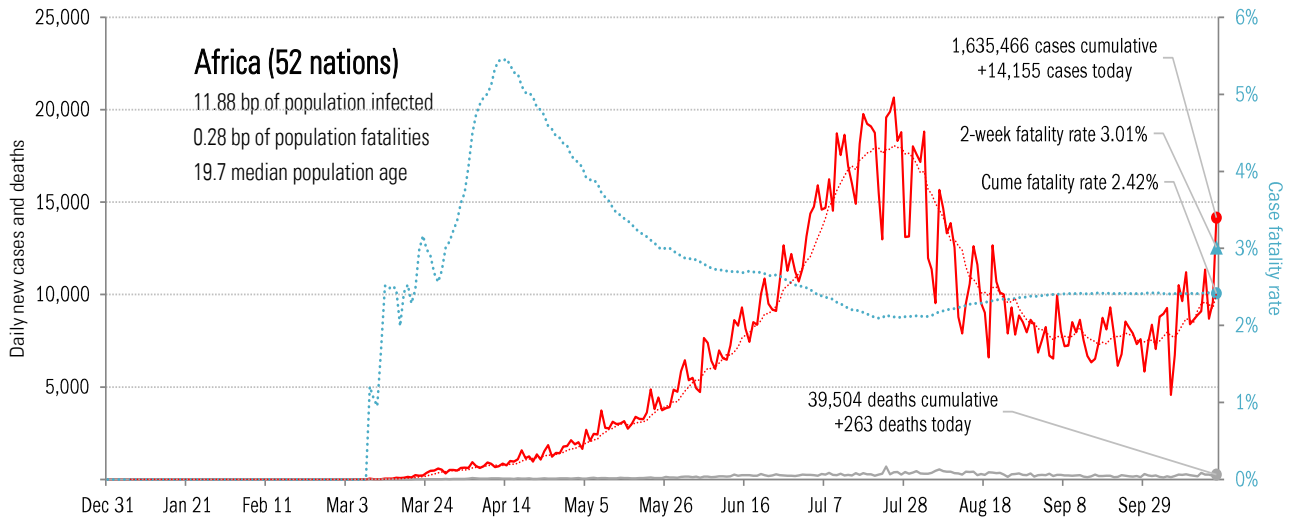
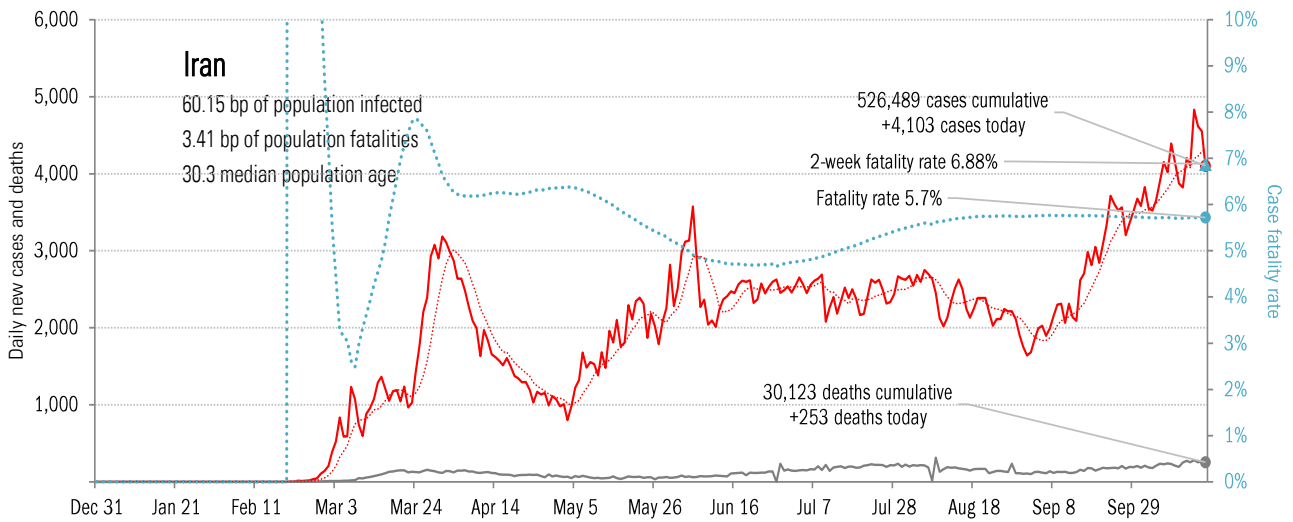
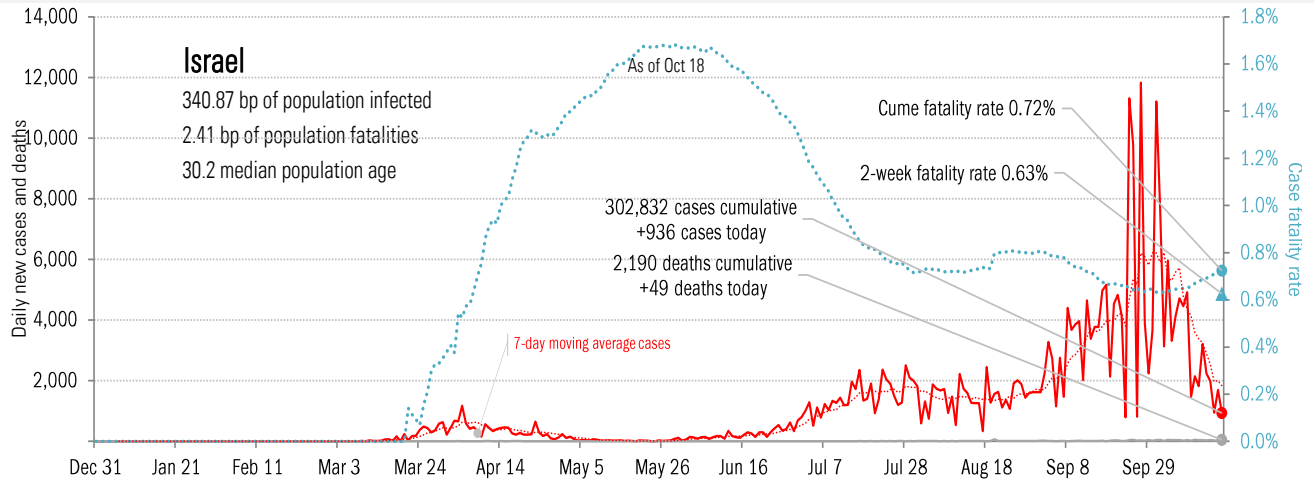
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations