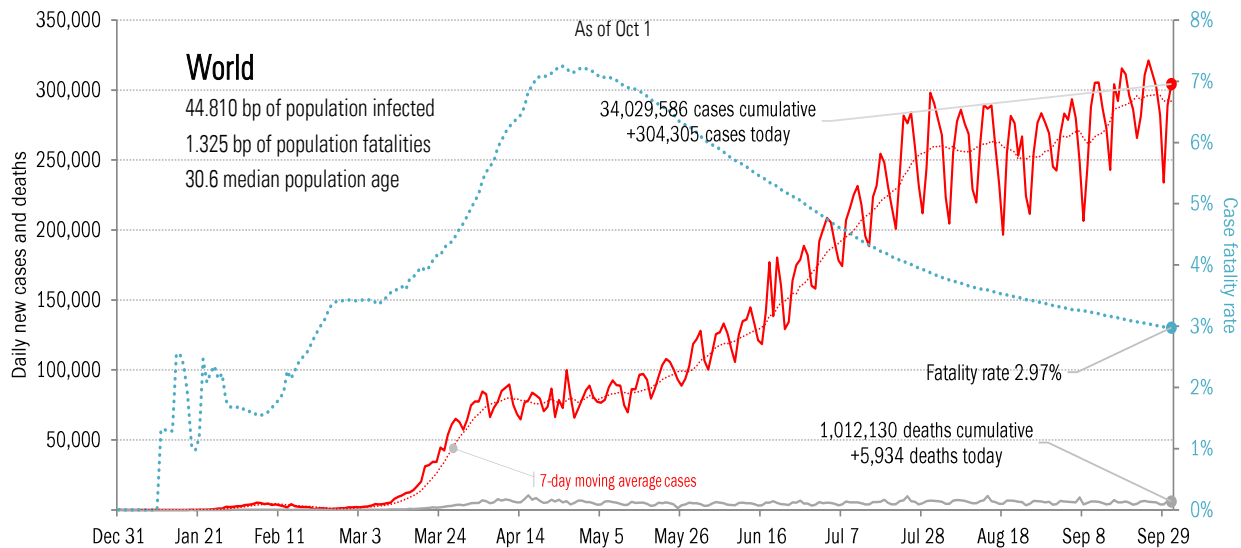
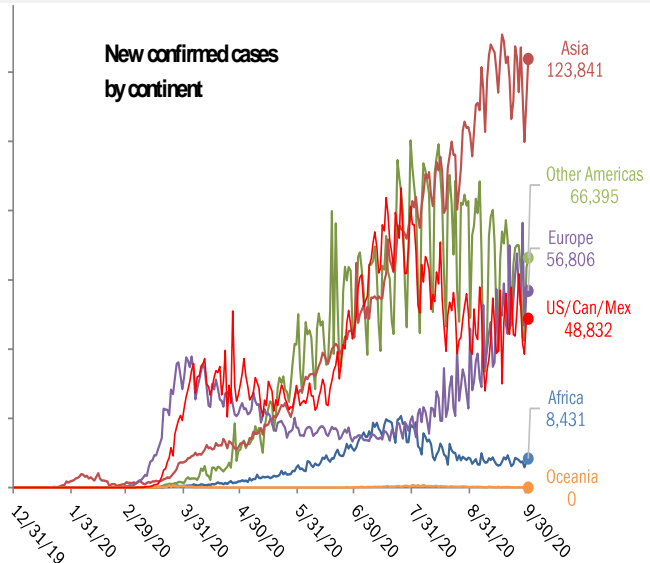


Data Insights: Covid-2019 Monitor

Thursday, October 1, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+86,821	India	+1,181
US	+44,391	Brazil	+1,031
Brazil	+33,413	US	+930
Argentina	+14,392	Mexico	+483
France	+12,845	Argentina	+418
Israel	+11,207	Iran	+183
Spain	+9,906	Russia	+177
Russia	+8,481	Colombia	+170
UK	+7,108	Indonesia	+139
Colombia	+5,637	UK	+71
+234,201		+4,783	
World	+304,305	World	+5,934
Top ten	77%	Top ten	81%



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

For more information contact us:

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

The US scorecard

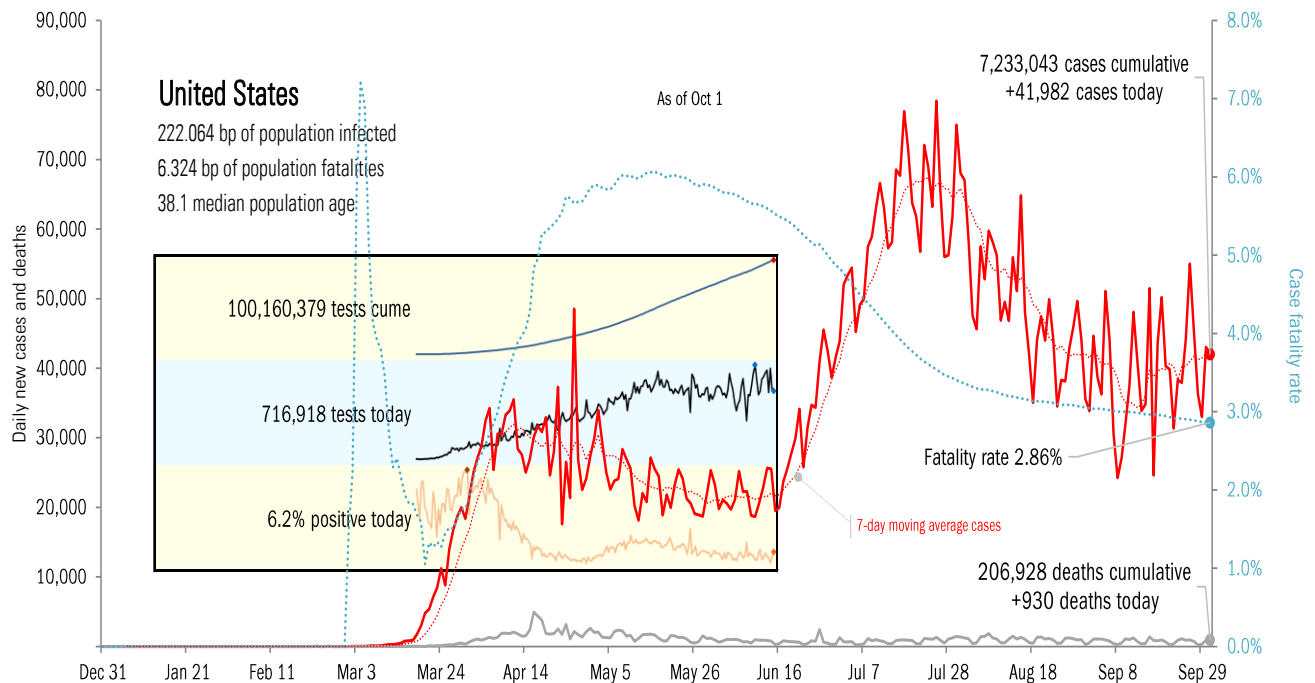
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
TX	+5,683	FL	+175	FL	+253	CA	810,625	NY	25,479	NY	89,995
CA	+3,200	CA	+152	GA	+183	TX	748,967	NJ	16,126	FL	44,608
WI	+2,459	TX	+107	CH	+103	FL	706,516	CA	15,792	GA	28,522
IL	+2,273	KS	+41	WI	+91	NY	458,649	TX	15,711	NJ	23,439
FL	+1,948	NC	+38	OK	+83	GA	318,026	FL	14,488	AZ	22,119
GA	+1,720	IL	+35	AL	+75	IL	295,763	MA	9,456	VA	18,541
TN	+1,528	TN	+34	AZ	+72	AZ	218,507	IL	8,916	AL	17,257
NC	+1,495	MA	+33	MD	+70	NC	210,632	PA	8,142	MD	15,530
MO	+1,351	MO	+32	MN	+68	NJ	205,275	MI	7,083	CH	15,516
MI	+1,194	GA	+27	KS	+65	TN	196,139	GA	7,021	IN	12,814
+22,851		+674		+1,063		4,169,099		128,214		288,341	
All states	+44,391	All states	+1,061	All states	+1,590	All states	7,198,589	All states	198,929	All states	408,649
Top ten	51%	Top ten	64%	Top ten	67%	Top ten	58%	Top ten	64%	Top ten	71%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-1,318	MS	-24	VA	-154	LA	+4,523
SC	-871	CH	-16	AR	-106	TX	+3,845
FR	-757	NC	-11	IN	-48	AL	+3,365
AZ	-351	MI	-10	RI	-41	PA	+2,523
NY	-189	GA	-6	MN	-19	MA	+2,289



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

Recommended reading

[The U.S. Won't Need 700 Million Covid-19 Vaccine Doses Anytime Soon](#)

Merrill Matthews
Institute for Policy Innovation
October 1, 2020

['Game Changing' 15-Minute Covid-19 Test Cleared in Europe](#)

Emma Court
Bloomberg
September 30, 2020

[Ski, Party, Seed a Pandemic: The Travel Rules That Let Covid-19 Take Flight](#)

Selam Gebrekidan, Katrin Bennhold, Matt Apuzzo and David D. Kirkpatrick
New York Times
September 30, 2020

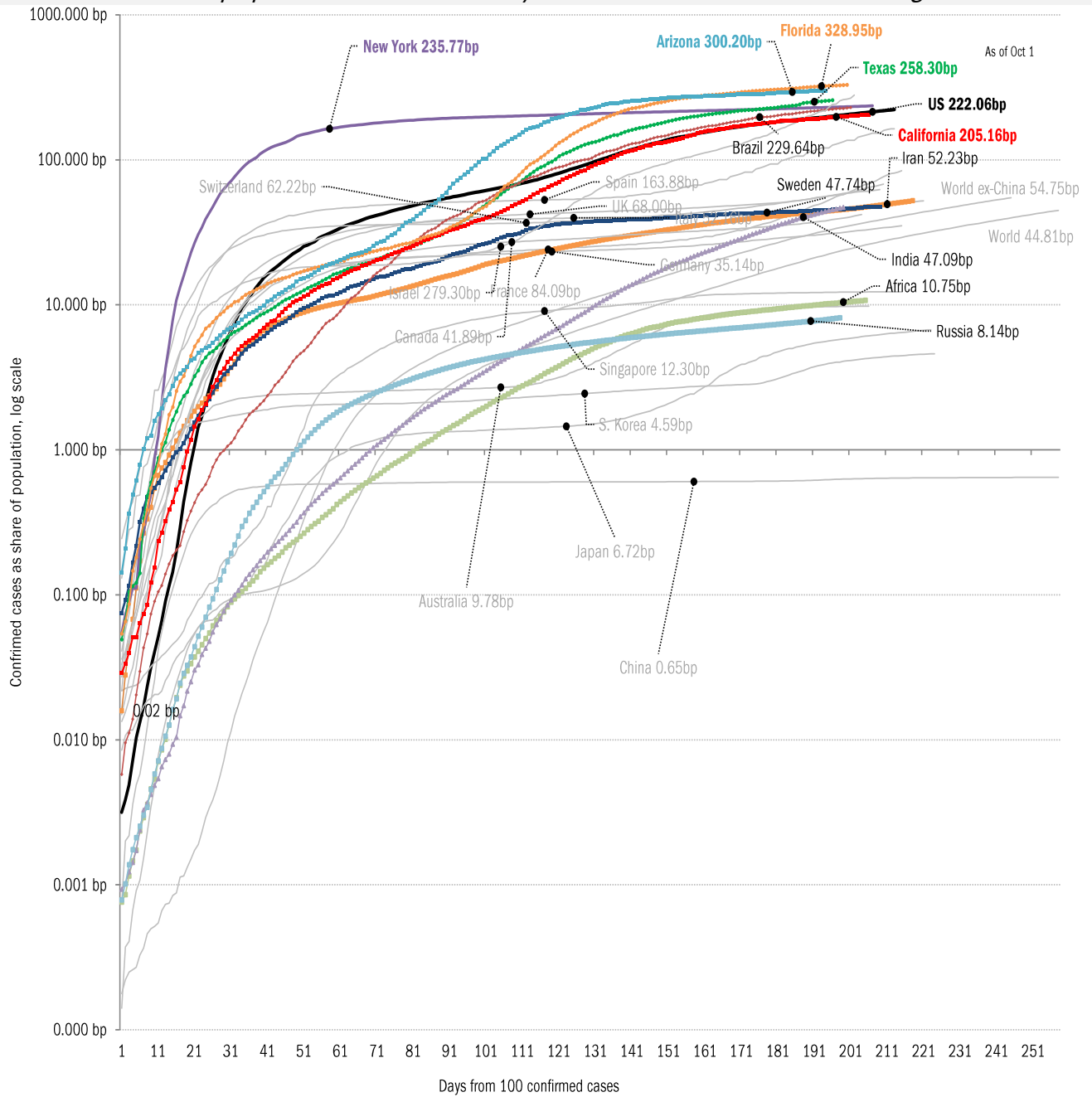
Meme of day

**'THEM SAME FOLKS THAT COUNTED
THE RONA CASES AIN'T COUNTIN'
THE MAIL-IN BALLOTS, ARE THEY?'**



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

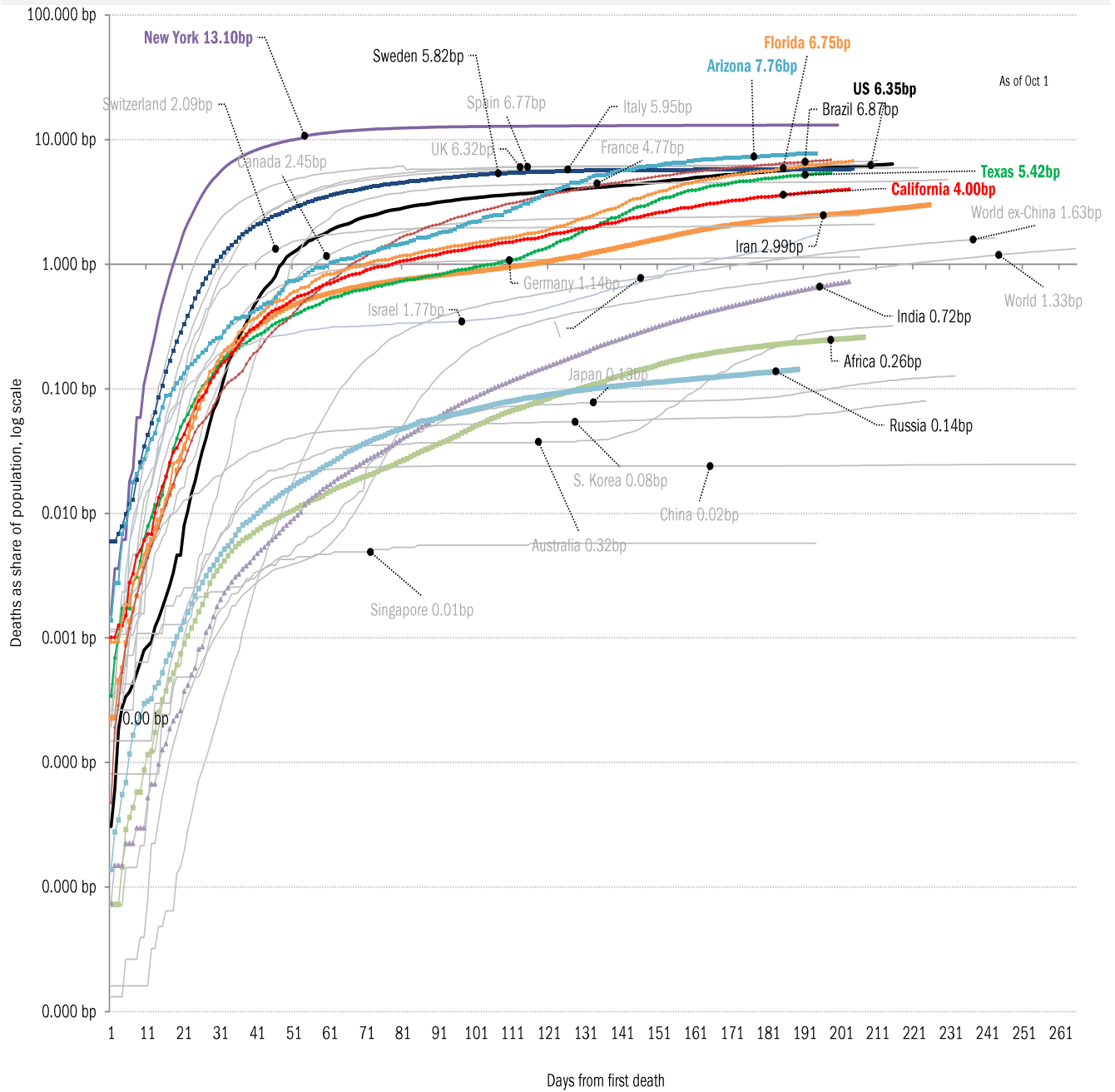
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

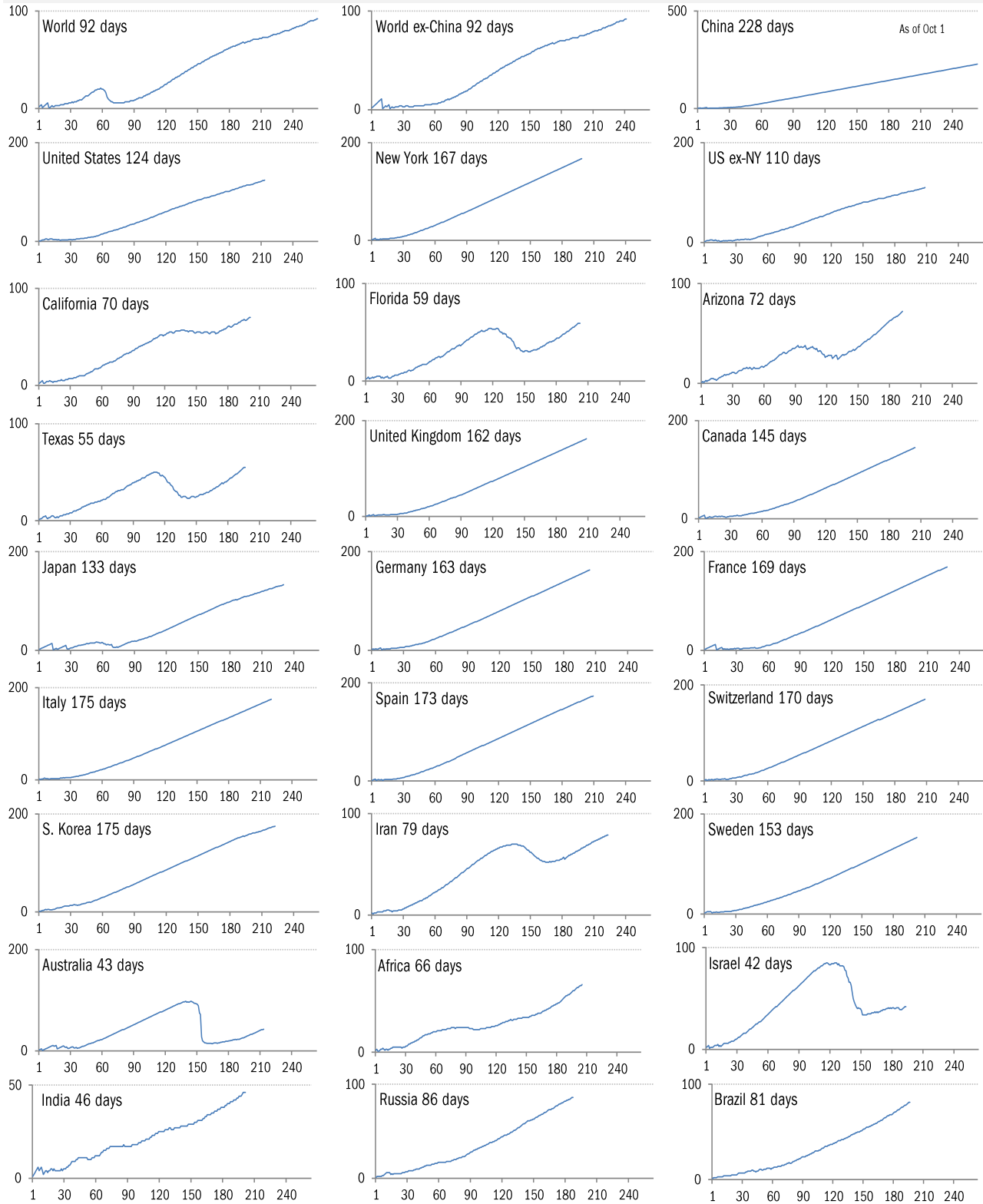


Source: [ECDC](#), TrendMacro calculations

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

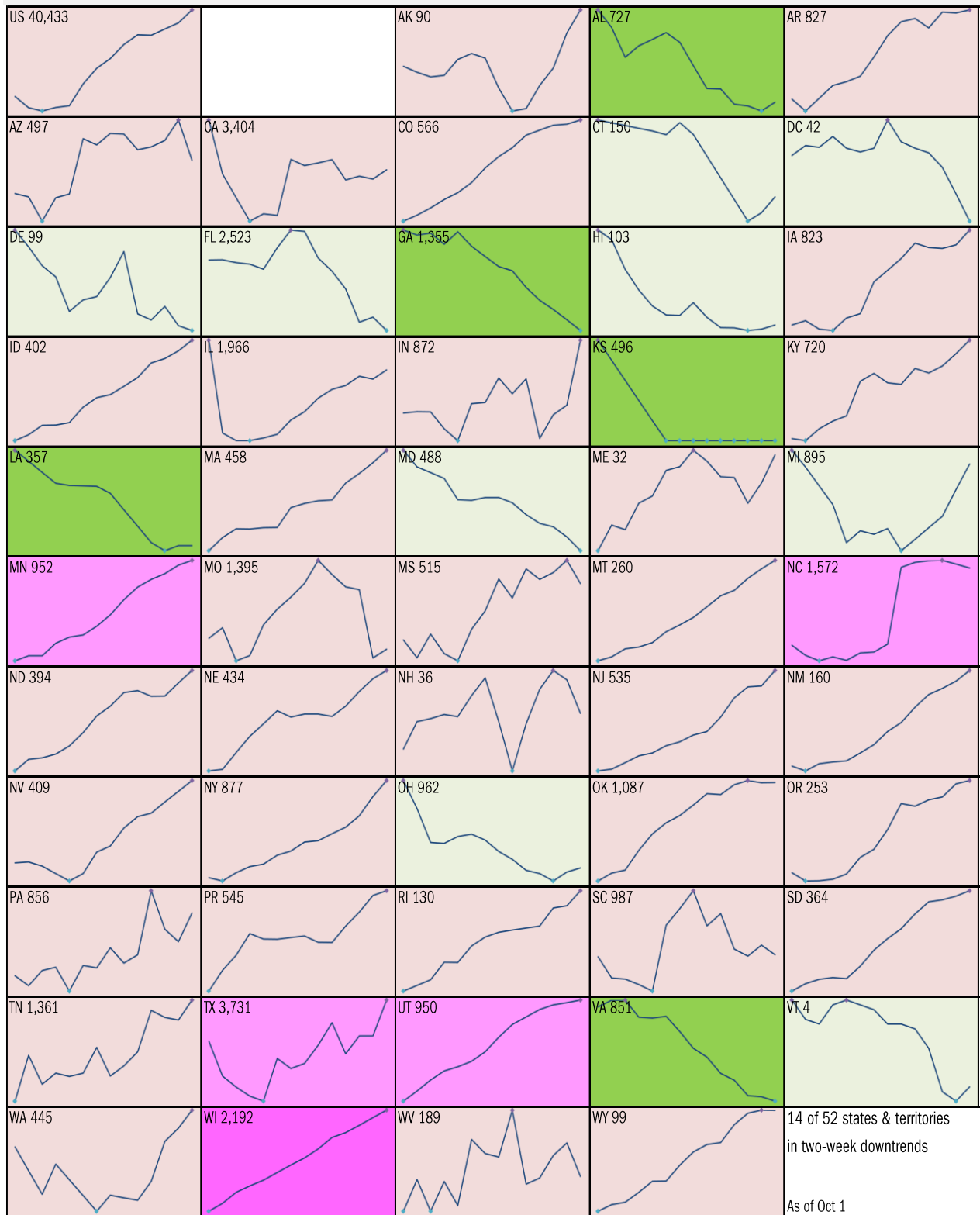
Vertical: days to double deaths Horizontal: days from first death

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



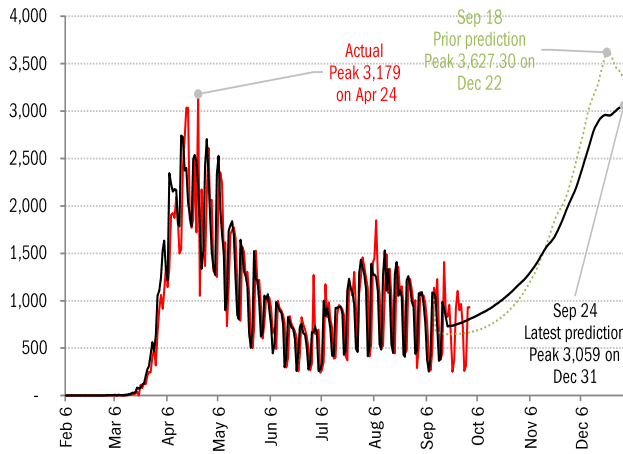
Source: [Covid Tracking Project](#), TrendMacro calculations

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

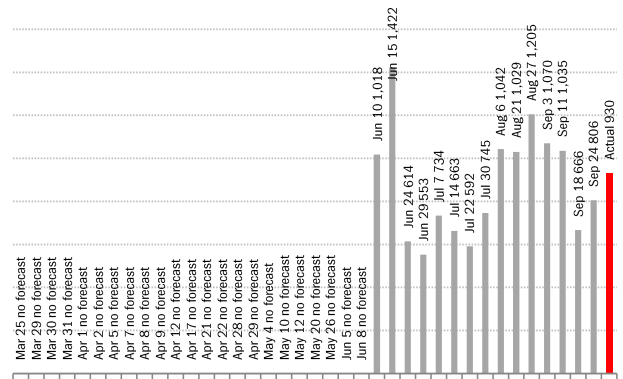
New daily fatalities

As of Oct 1

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

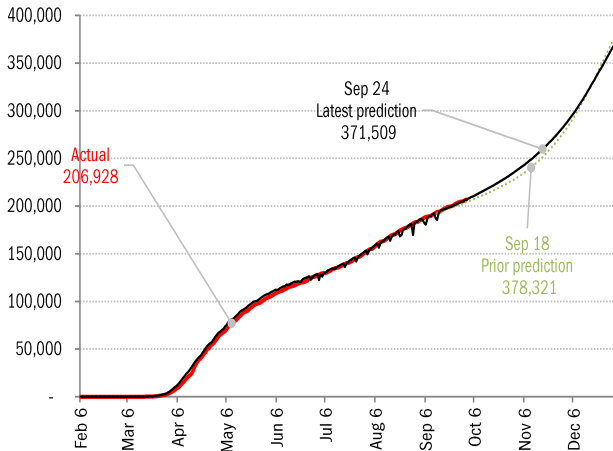


For this day, versus all model mean predictions

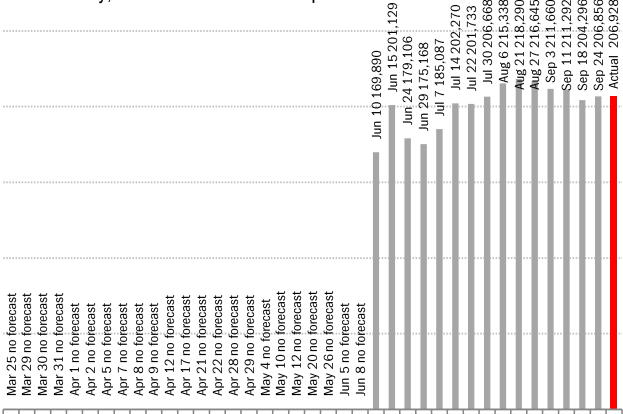


Cumulative fatalities

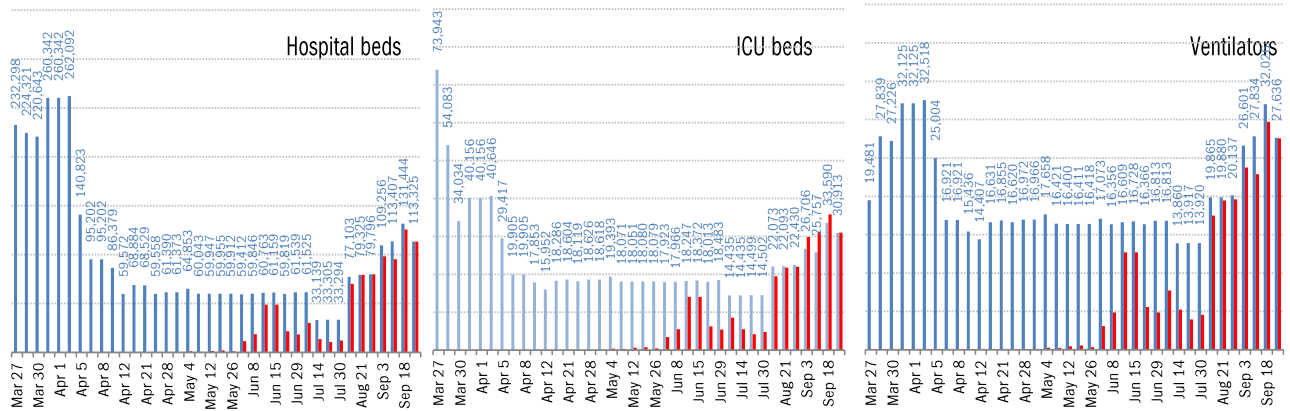
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

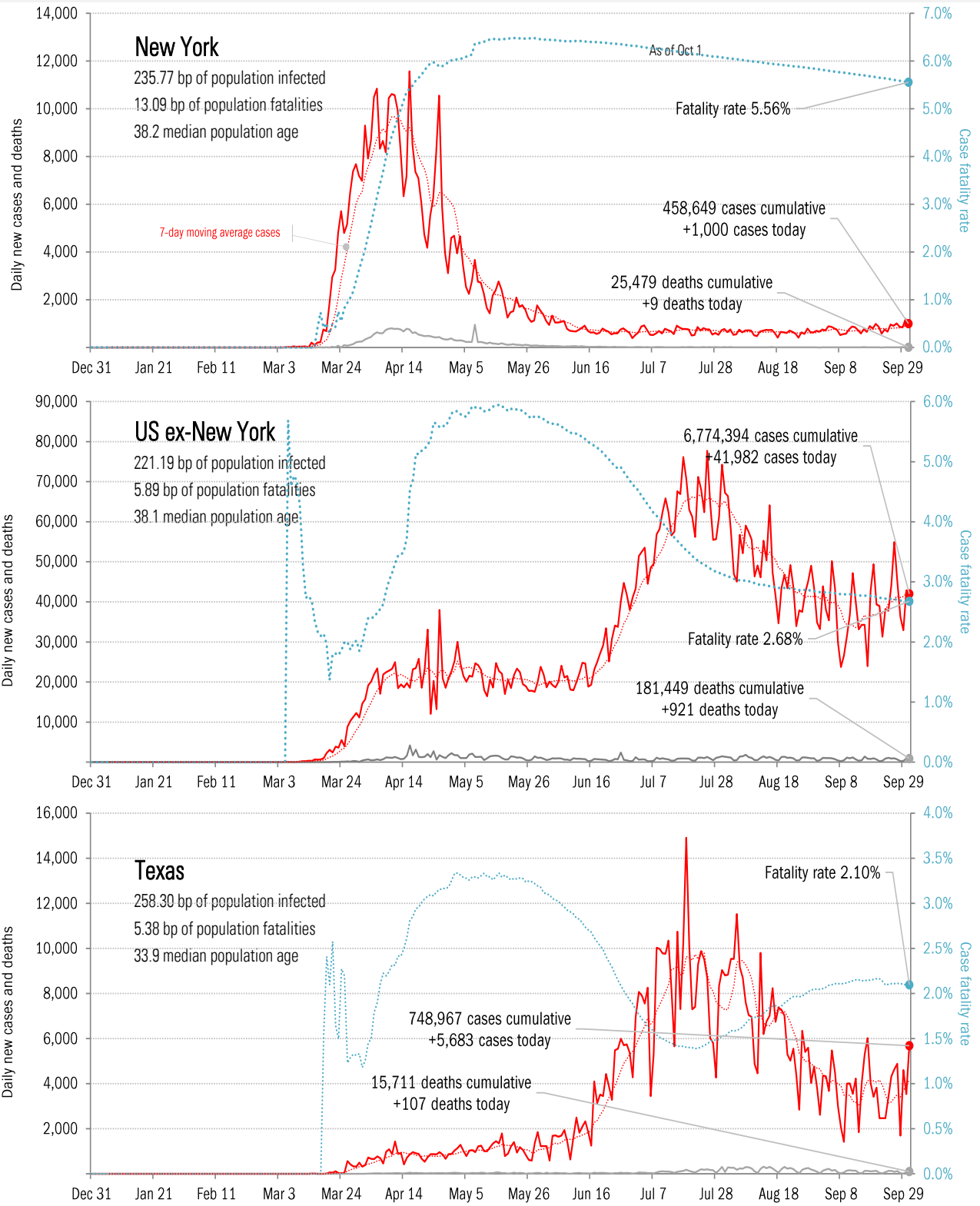


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



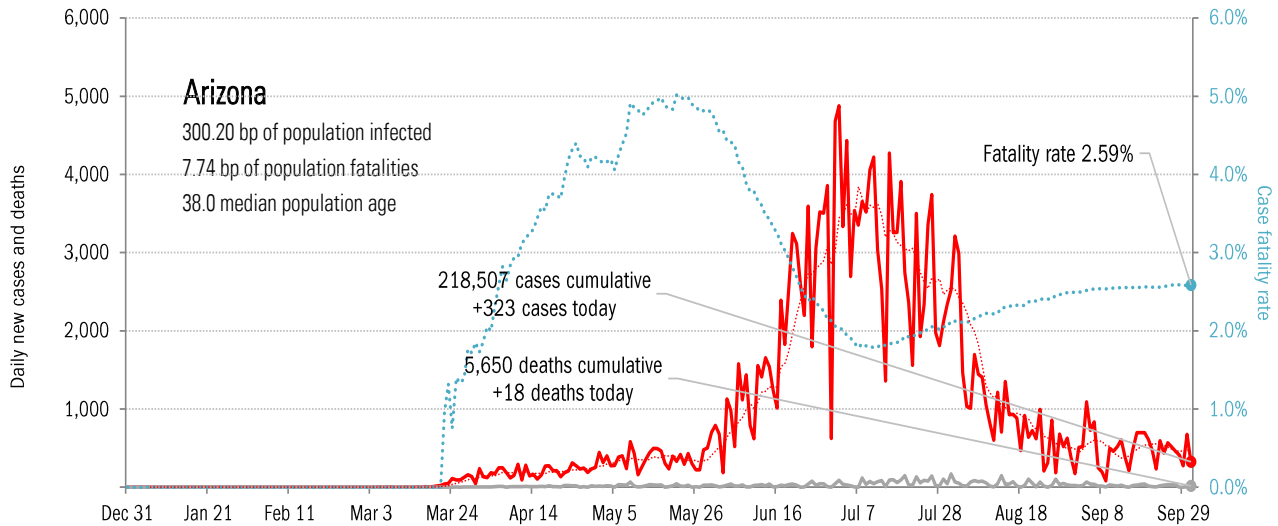
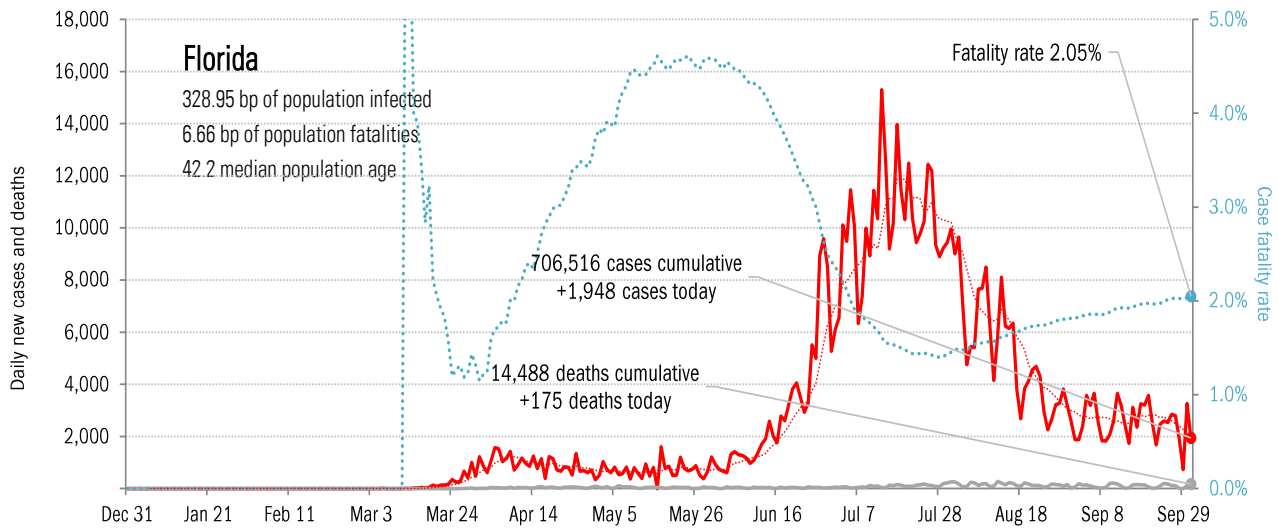
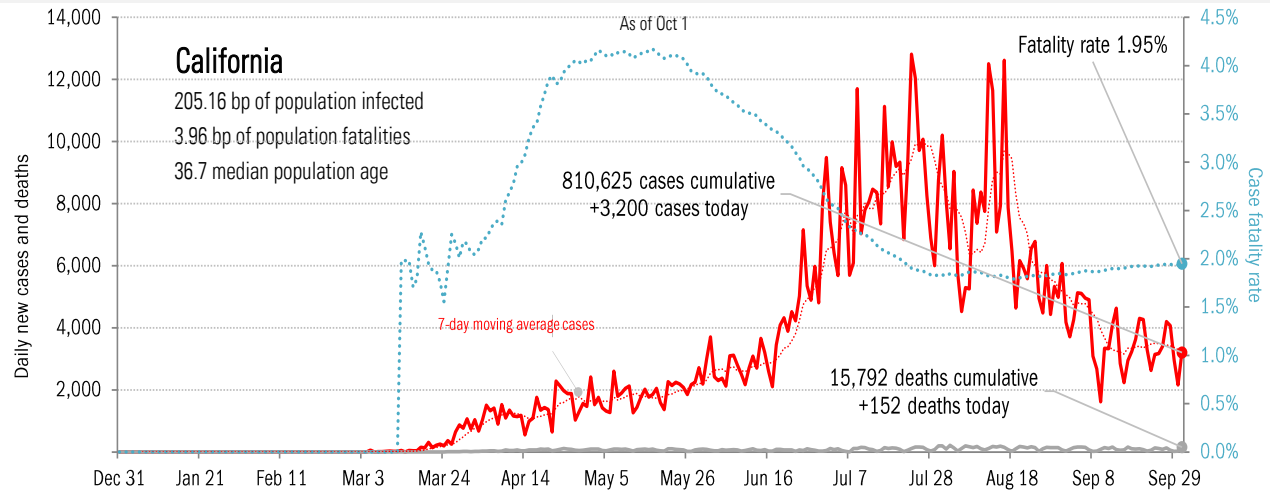
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



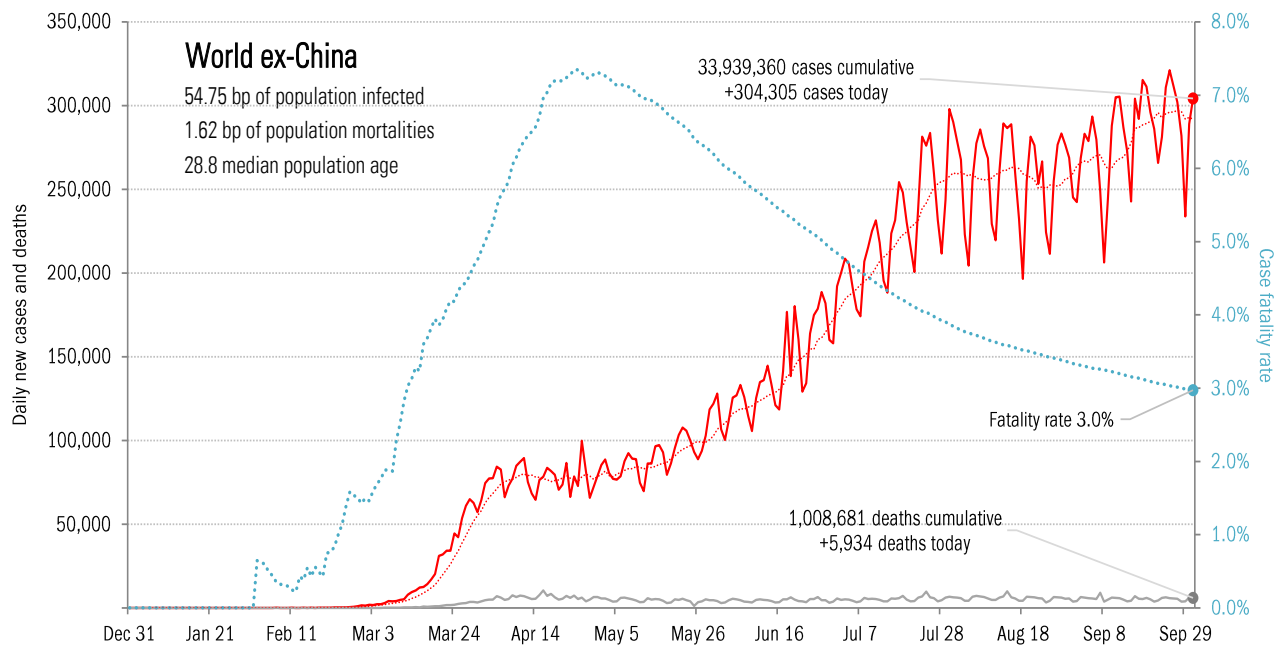
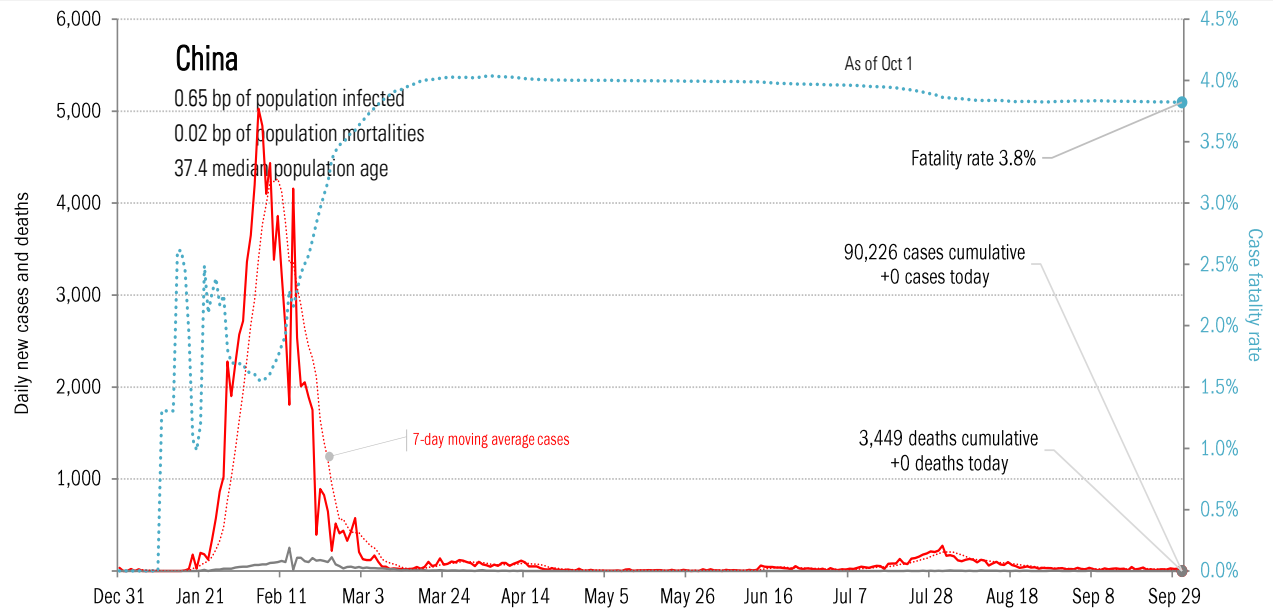
Source: [ECDC](#), TrendMacro calculations

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



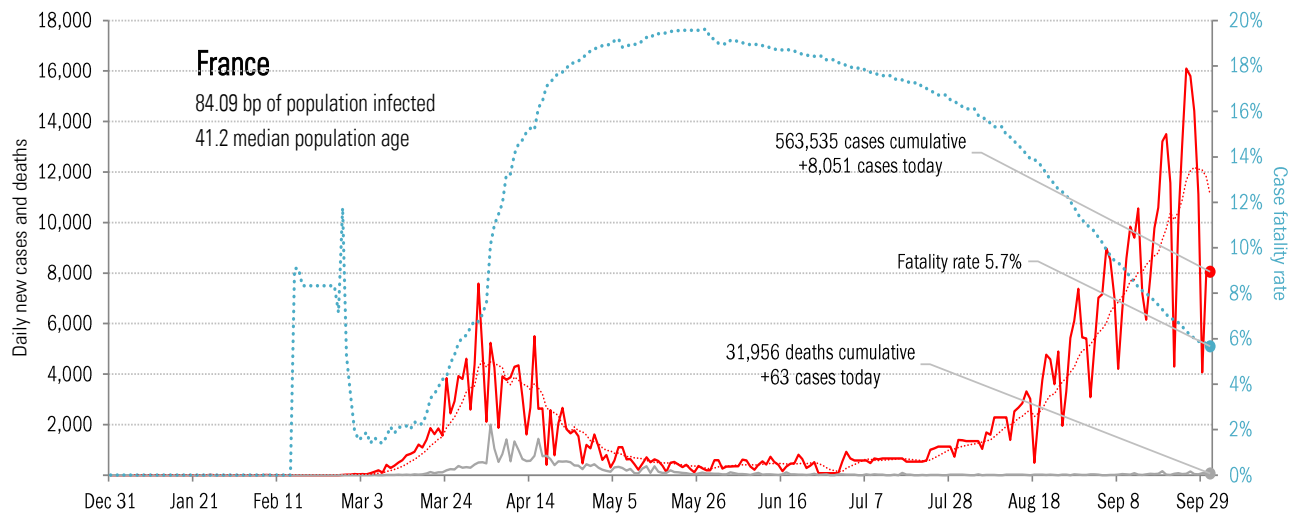
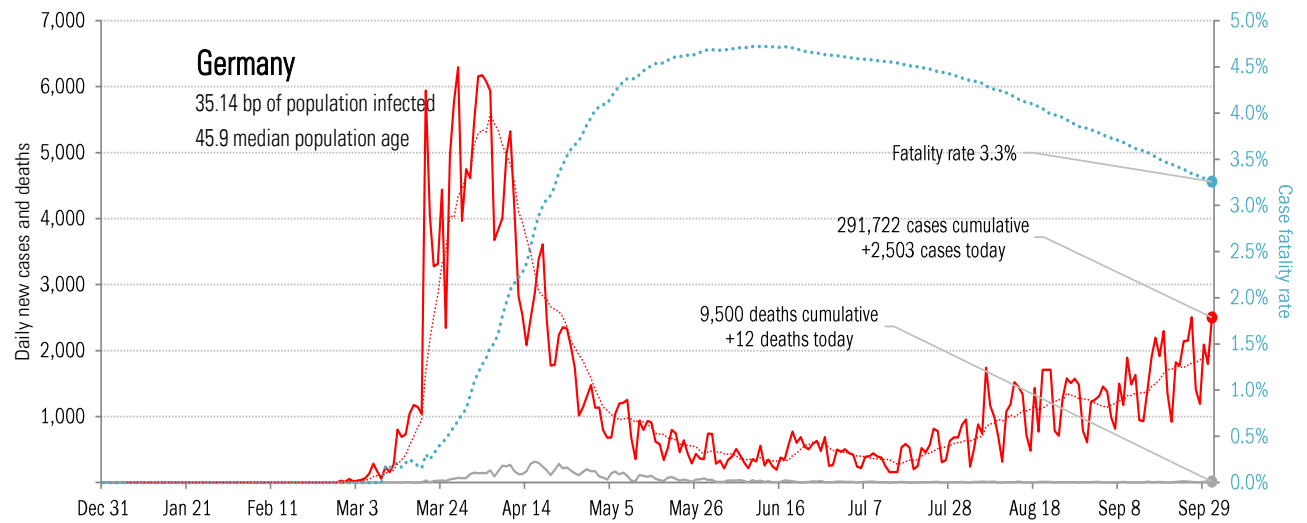
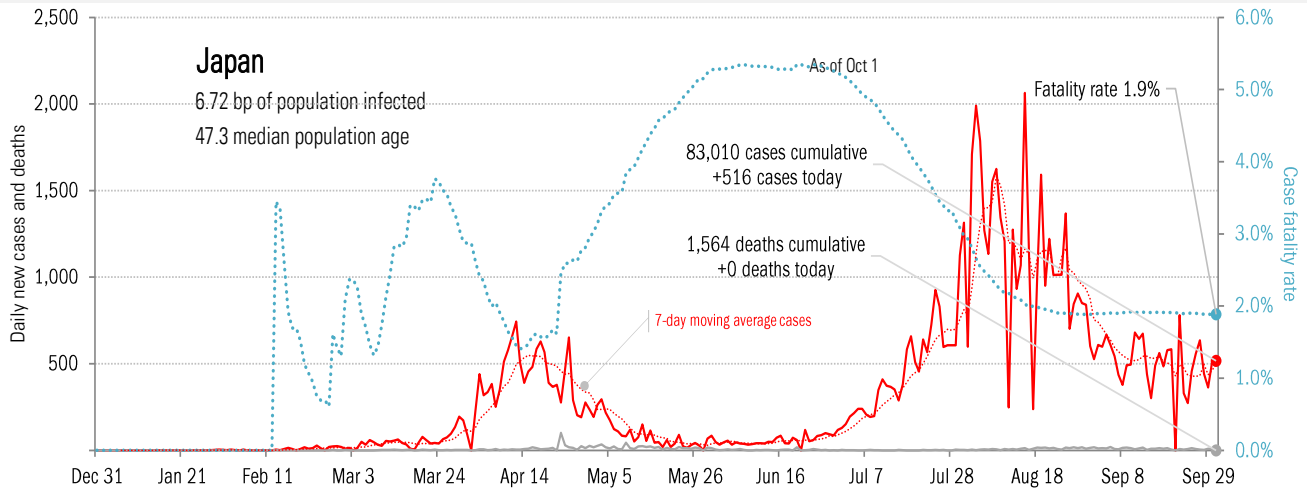
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



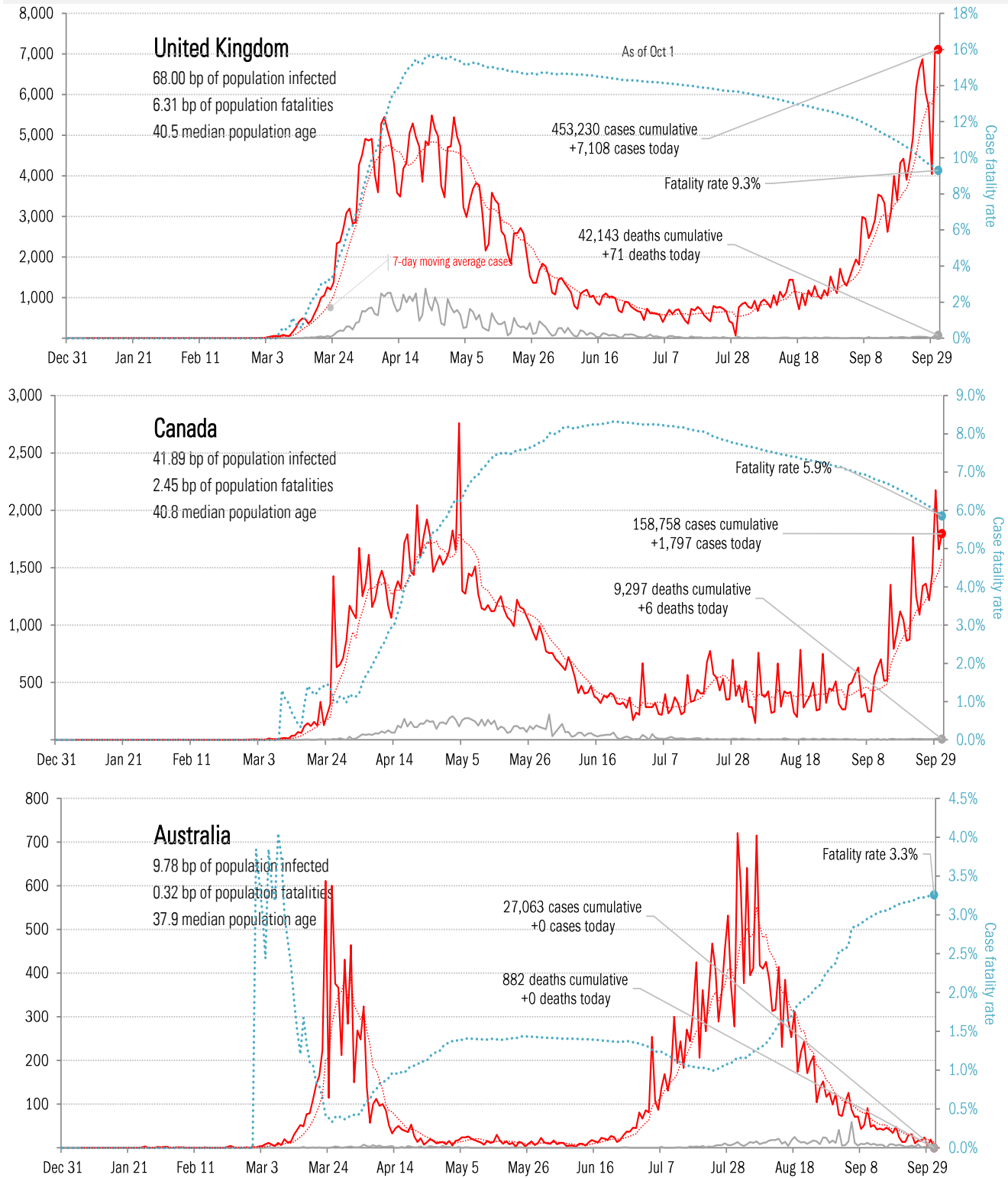
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



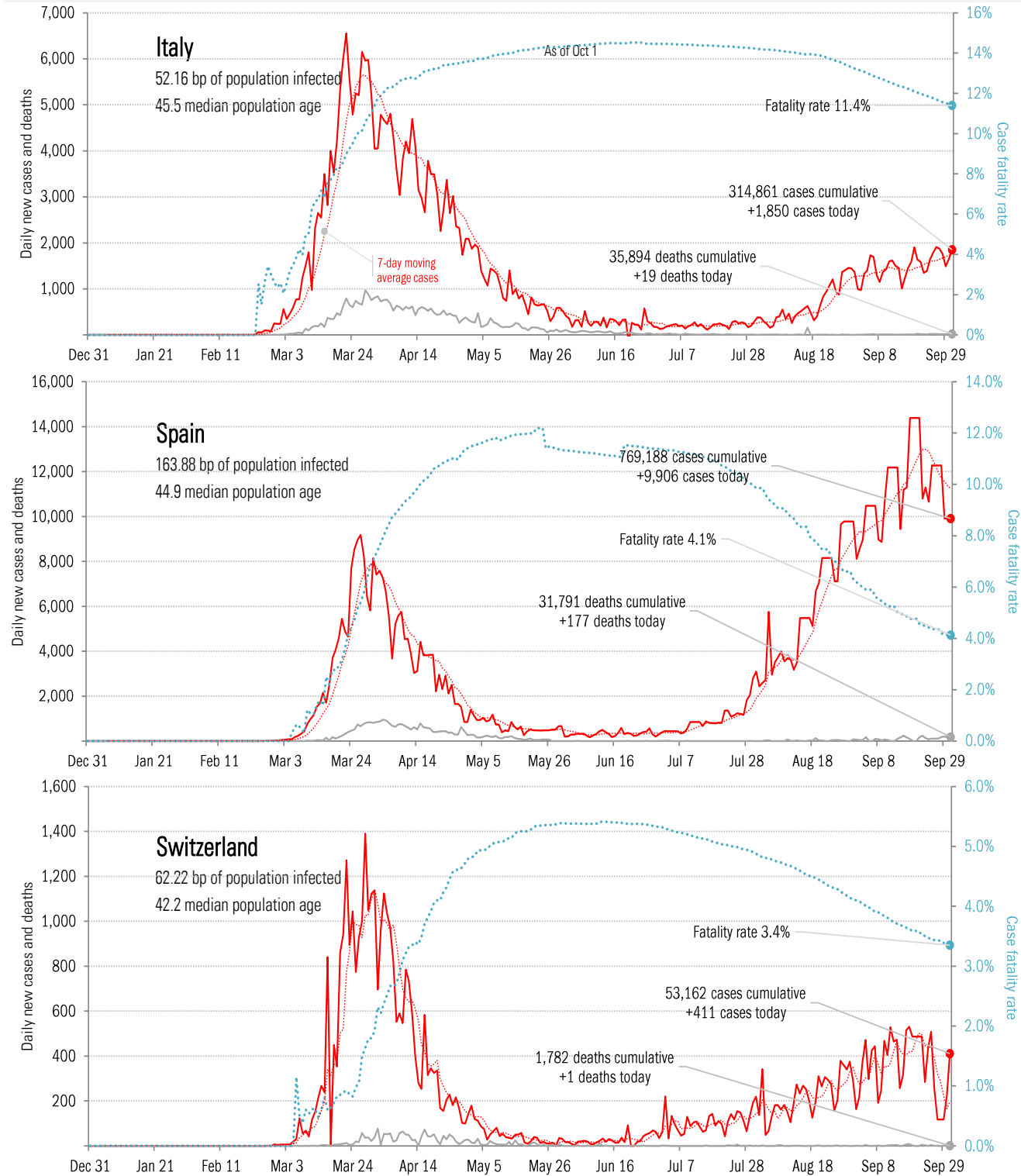
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



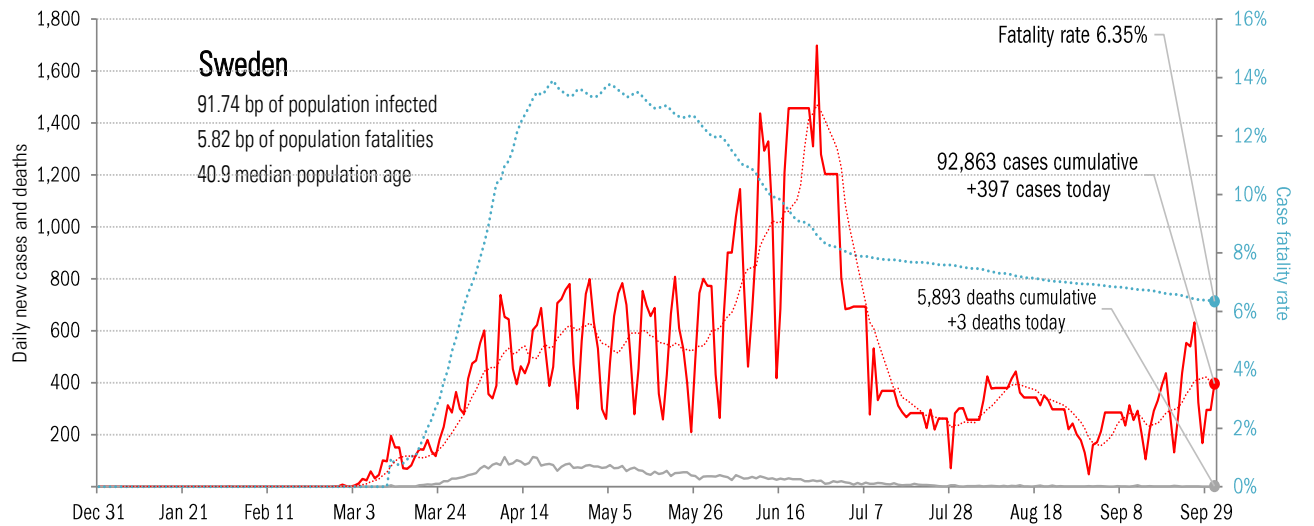
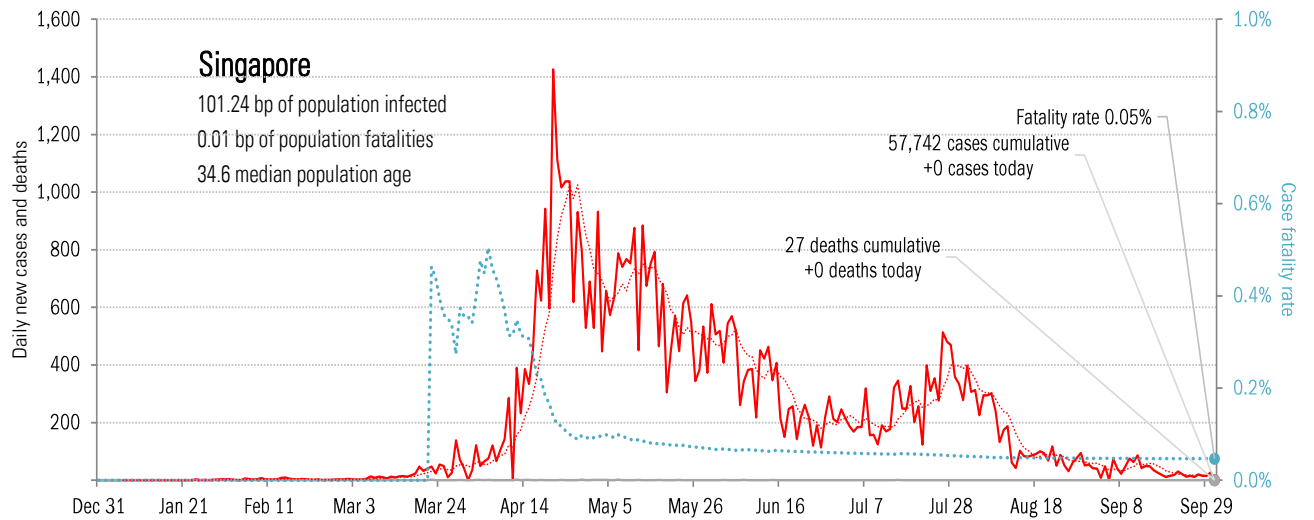
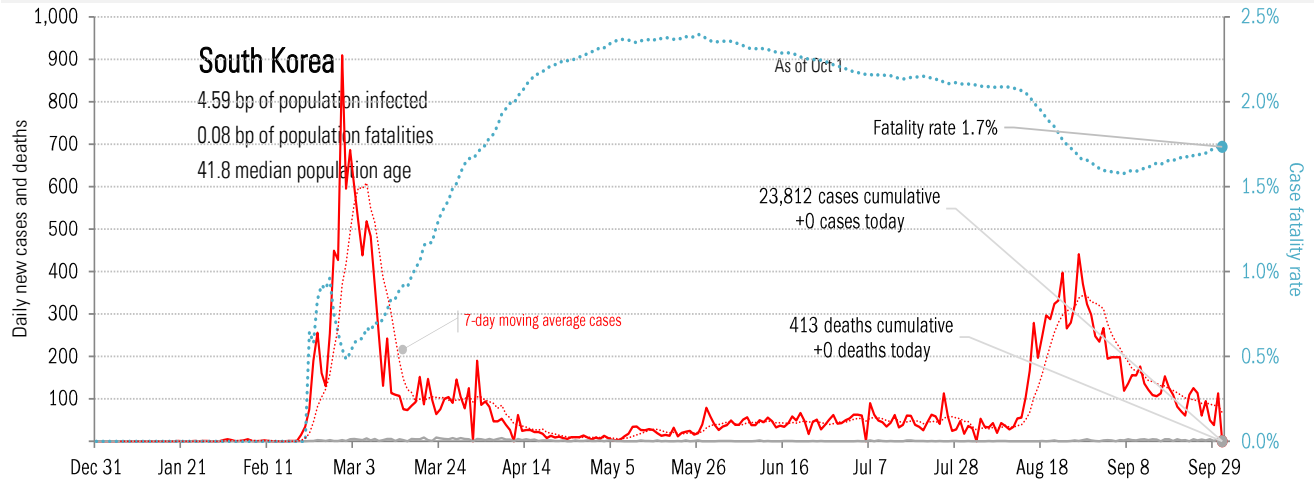
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



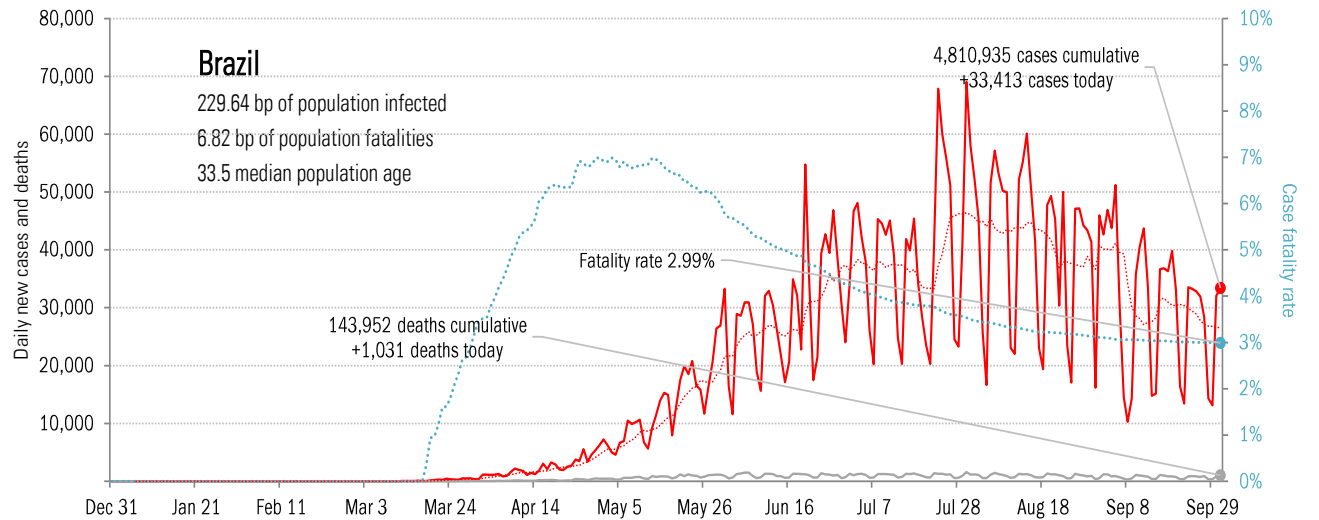
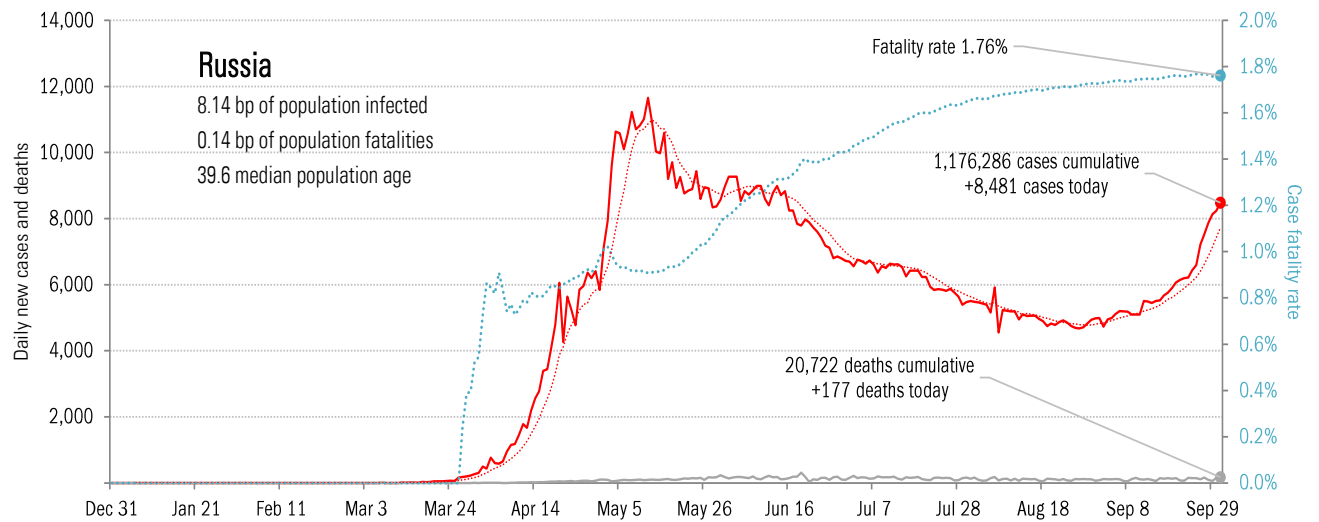
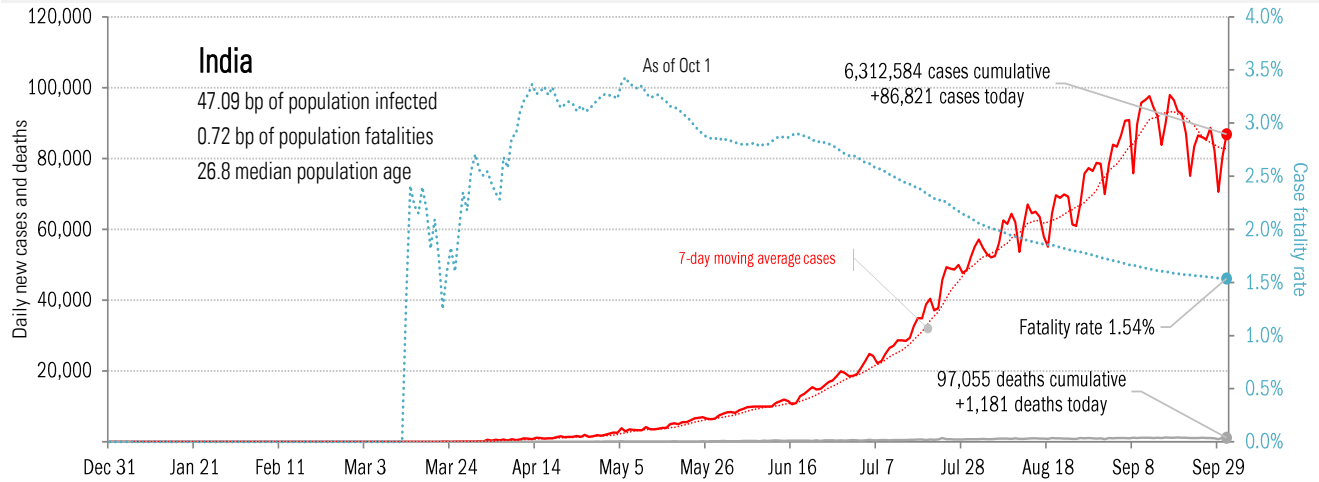
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



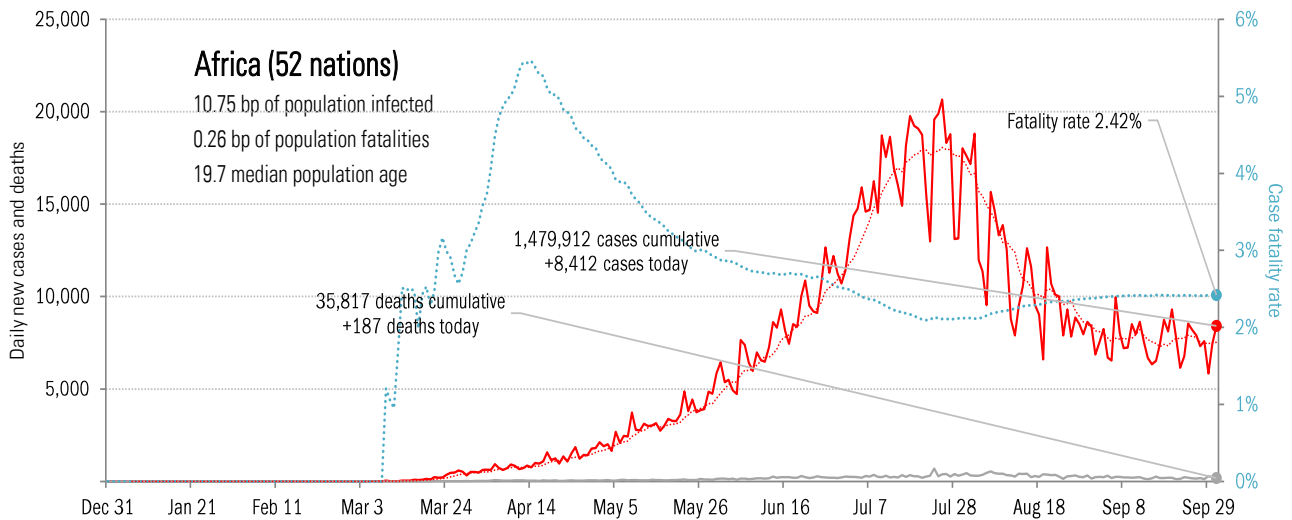
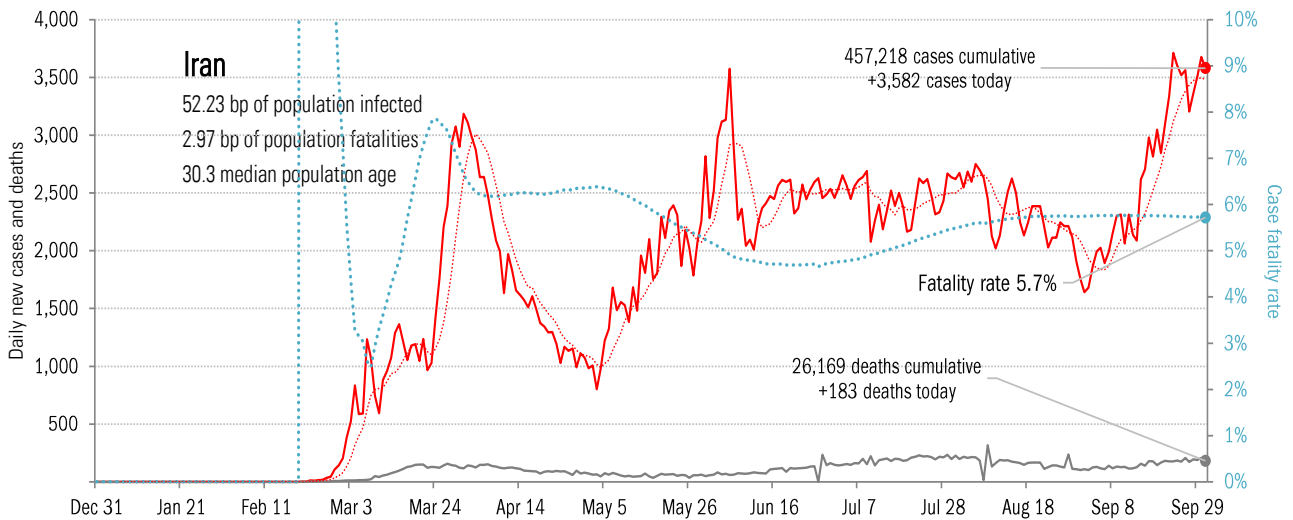
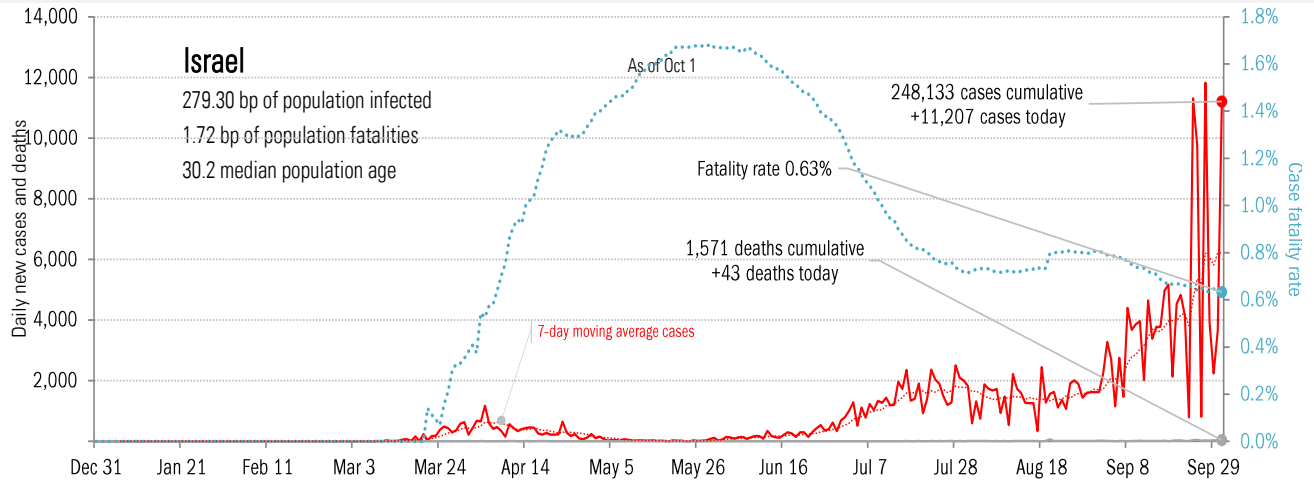
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations