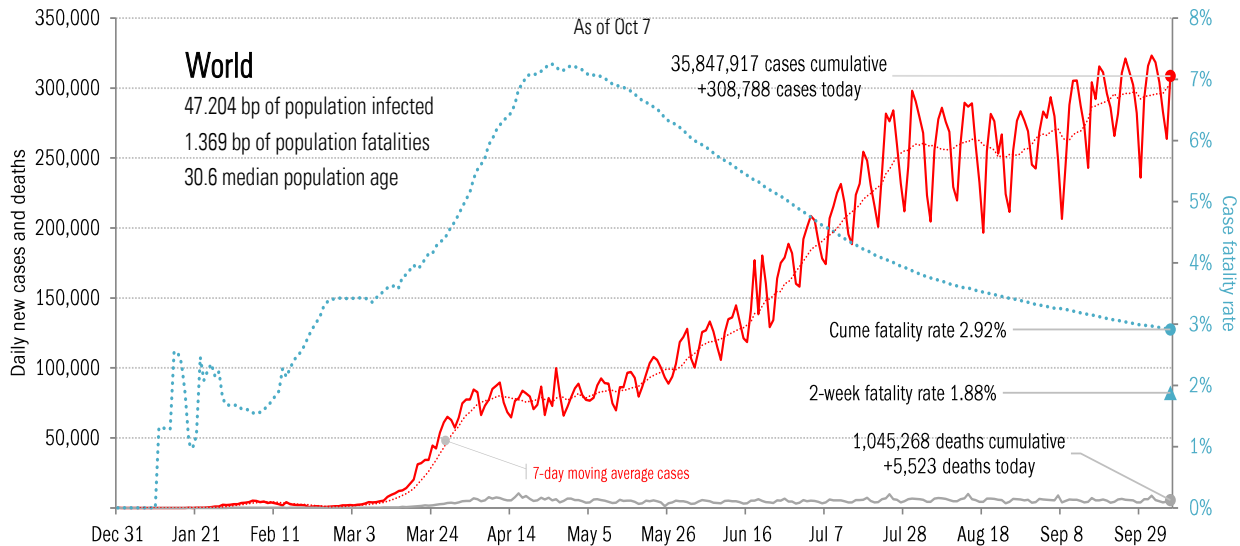
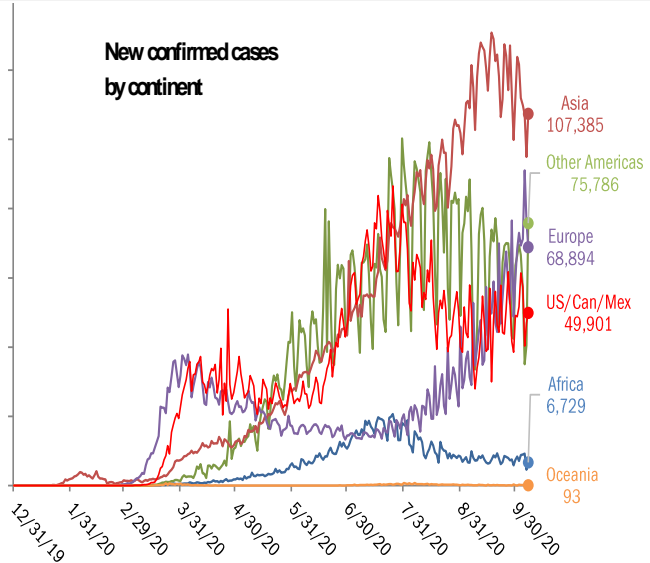


Data Insights: Covid-2019 Monitor

Wednesday, October 7, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+72,049	India	+986
US	+43,062	Brazil	+819
Brazil	+41,906	US	+717
Argentina	+14,740	Mexico	+446
UK	+14,542	Argentina	+359
Spain	+11,998	Iran	+227
Russia	+11,615	Russia	+188
France	+10,489	Colombia	+173
Colombia	+7,650	Indonesia	+121
Israel	+4,717	Ukraine	+90
+232,768		+4,126	
World	+308,788	World	+5,523
Top ten	75%	Top ten	75%



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

The US scorecard

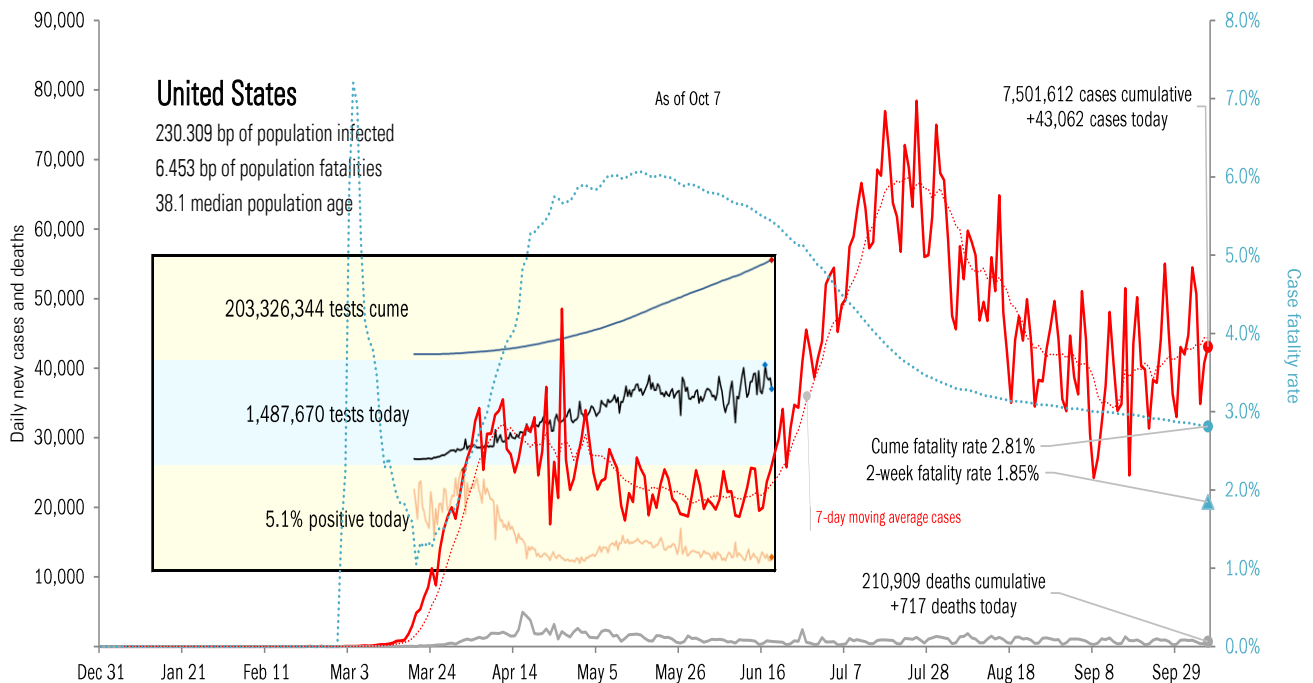
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
TX	+4,132	TX	+78	TN	+140	CA	828,461	NY	25,536	TX	3,394
FL	+2,251	FL	+59	OH	+120	TX	773,435	CA	16,177	CA	3,175
WI	+2,075	GA	+37	IN	+119	FL	720,125	NJ	16,147	FL	2,151
CA	+1,677	NC	+33	AZ	+98	NY	466,908	TX	16,111	GA	1,779
TN	+1,676	IL	+31	TX	+76	GA	324,650	FL	14,945	IL	1,673
IL	+1,617	IN	+30	WI	+71	IL	307,750	MA	9,538	IN	1,138
NC	+1,504	CA	+28	NY	+69	AZ	221,934	IL	9,085	TN	1,115
NY	+1,393	MO	+26	SC	+62	NC	221,258	PA	8,244	NC	1,013
CK	+1,364	ND	+26	NJ	+46	NJ	209,342	GA	7,229	VA	926
CH	+1,335	TN	+24	NV	+44	TN	205,375	MI	7,161	WI	853
+19,024		+372		+845		4,279,238		130,173		17,217	
All states	+38,696	All states	+635	All states	+1,247	All states	7,460,634	All states	202,675	All states	31,346
Top ten	49%	Top ten	59%	Top ten	68%	Top ten	57%	Top ten	64%	Top ten	55%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
KS	-1,597	AR	-22	MN	-367	AL	+9
CA	-1,378	MA	-12	GA	-101	AR	+5
TN	-813	KS	-8	IL	-68	UT	+4
NC	-754	FR	-8	AL	-61	AK	+0
CT	-702	GU	-3	TX	-50	AS	+0



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

Recommended reading

[People want to vote by mail. The tech they need to do it can't keep up.](#)

Issie Lapowsky
Protocol
September 29, 2020

[How Covid Broke Times Square, the Heart of New York's Economy](#)

Konrad Putzier and Will Parker
Wall Street Journal
October 2, 2020

[Florida governor says closing schools in the spring was mistake](#)

WESH2
October 2, 2020

[The Great Barrington Declaration](#)

Martin Kulldorff et al.
October 6, 2020

[Ensuring Uptake of Vaccines against SARS-CoV-2](#)

Michelle M. Mello et al.
New England Journal of Medicine
October 1, 2020

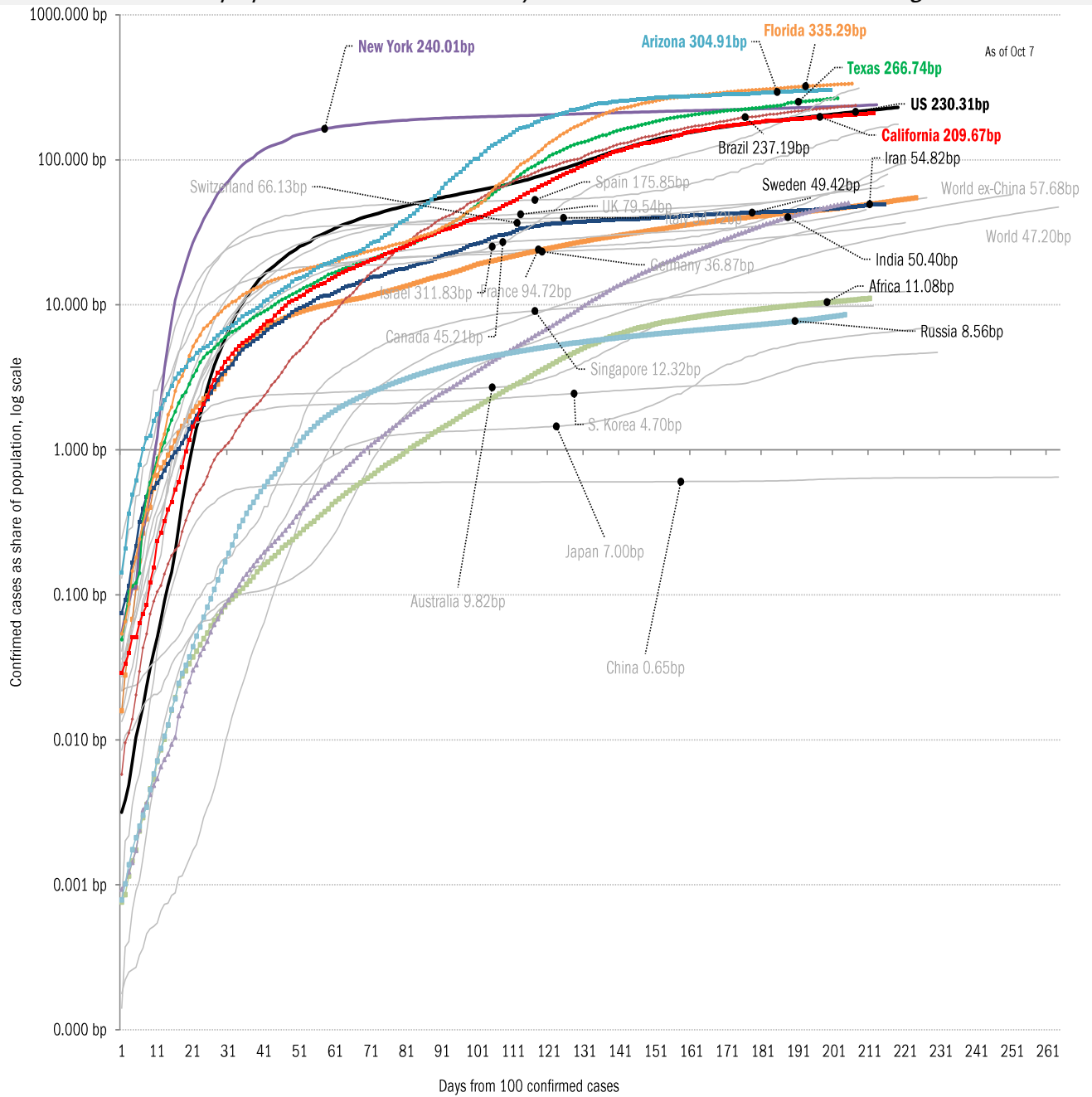
Meme of day



Trump Preemptively Pens Dying Wish Canceling Out RBG's Dying Wish

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

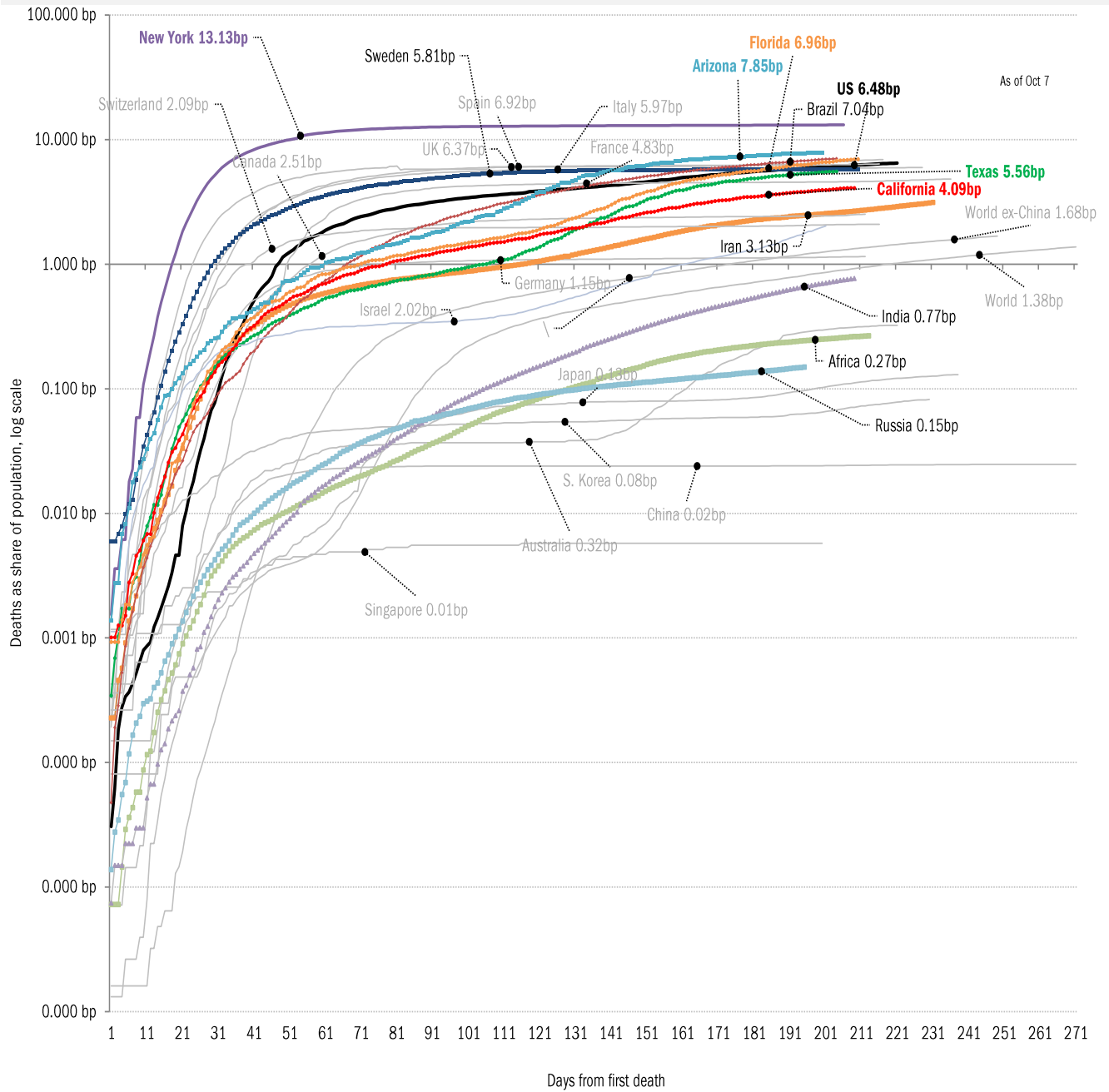
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

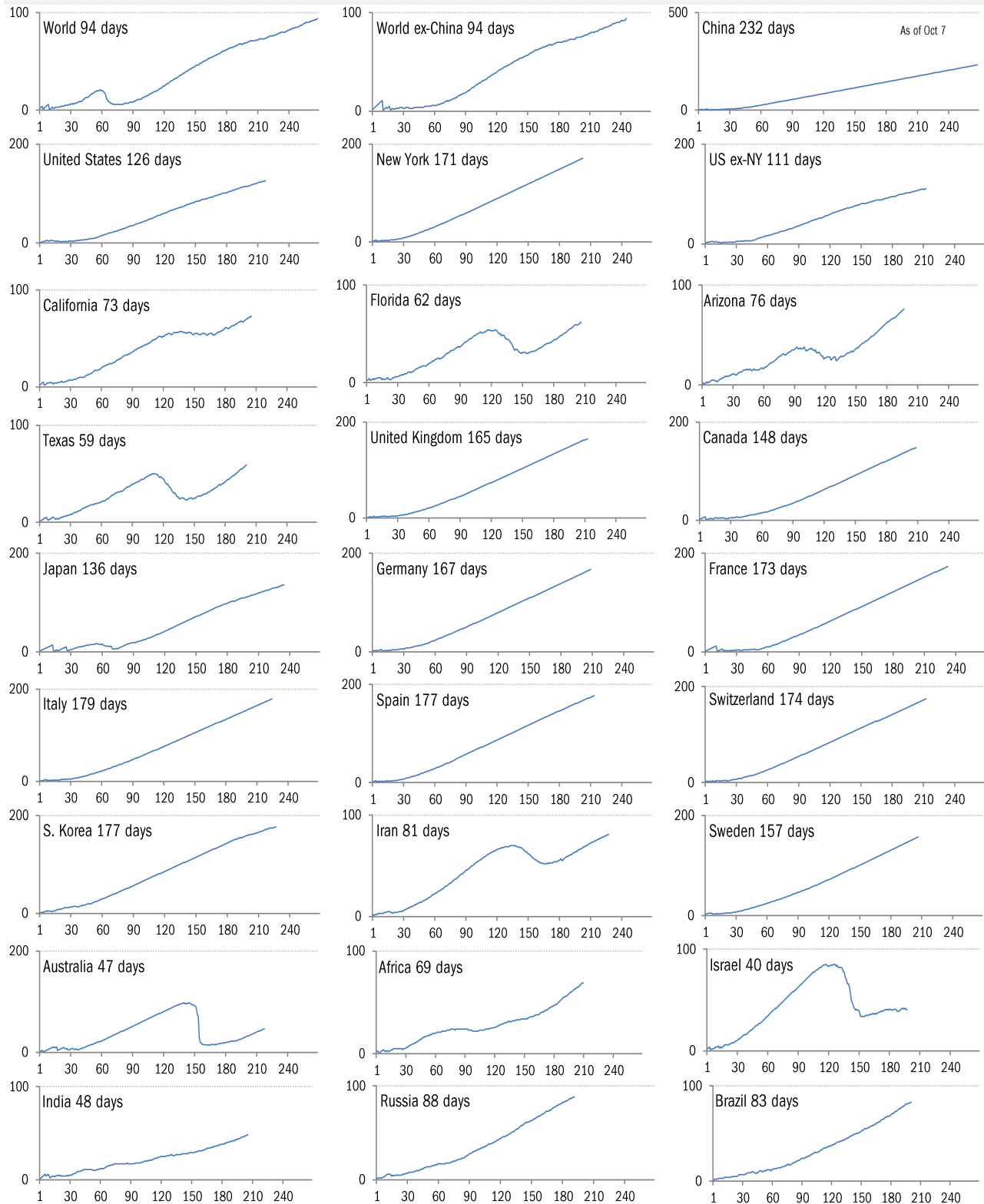


Source: [ECDC](#), TrendMacro calculations

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

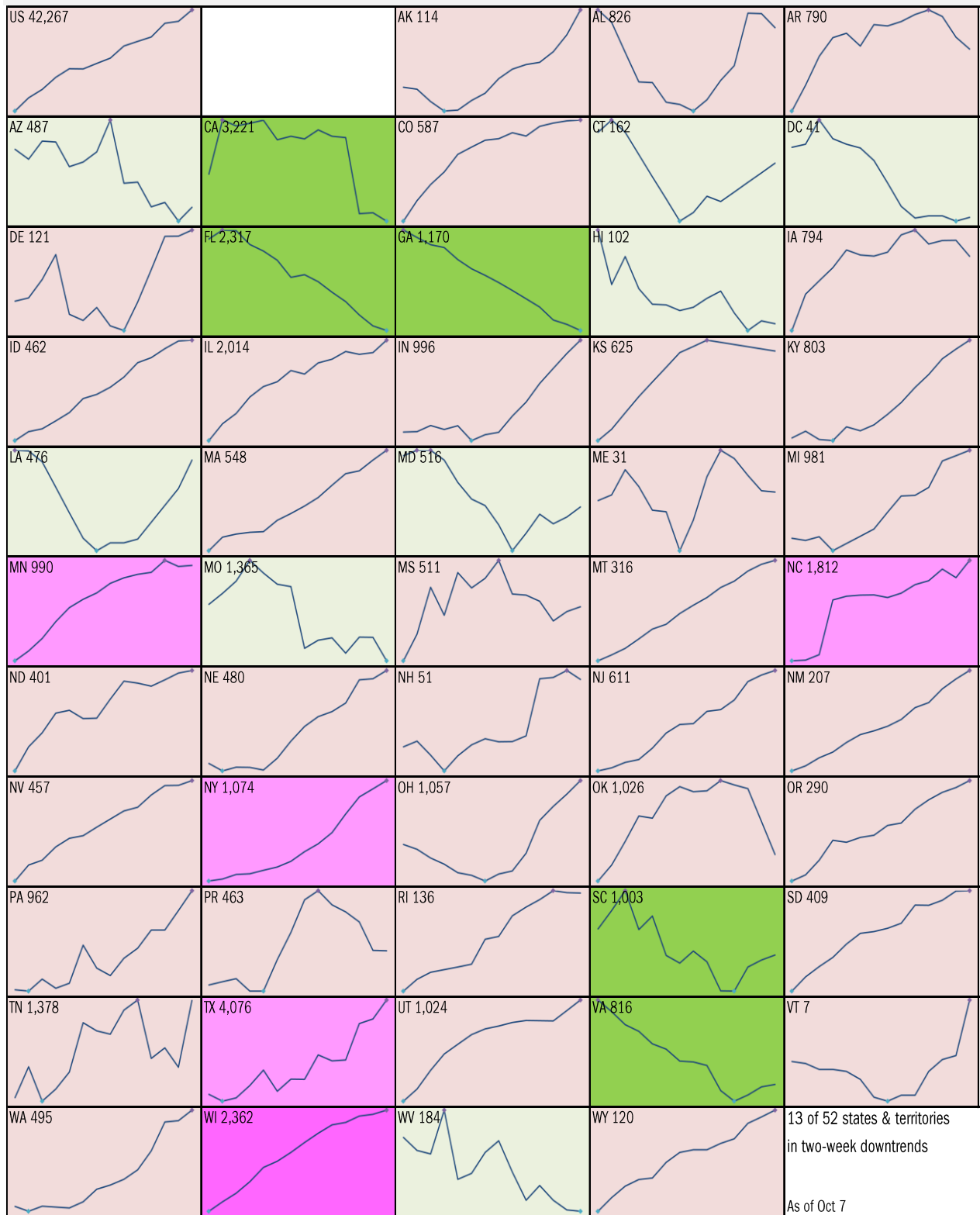
Vertical: days to double deaths Horizontal: days from first death

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



Source: [ECDC](#), TrendMacro calculations

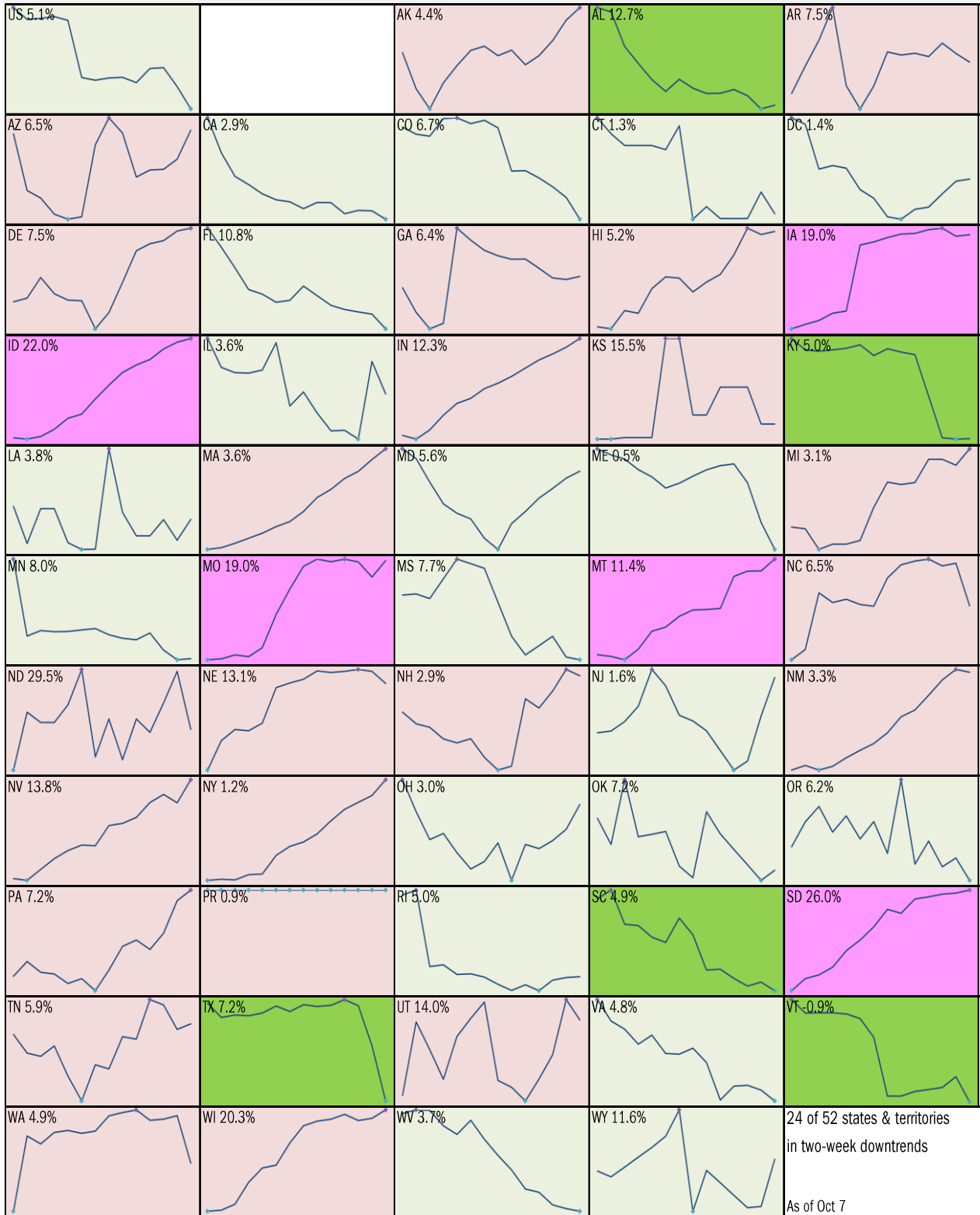
Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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



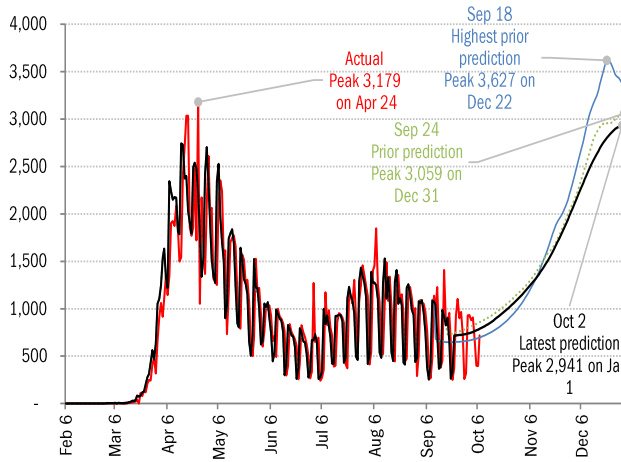
Source: [Covid Tracking Project](#), TrendMacro calculations

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

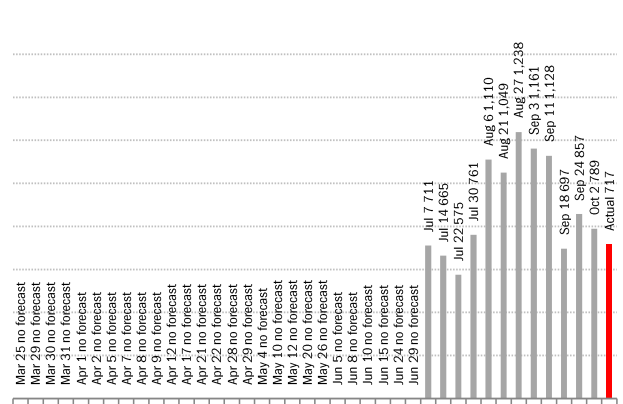
New daily fatalities

As of Oct 7

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

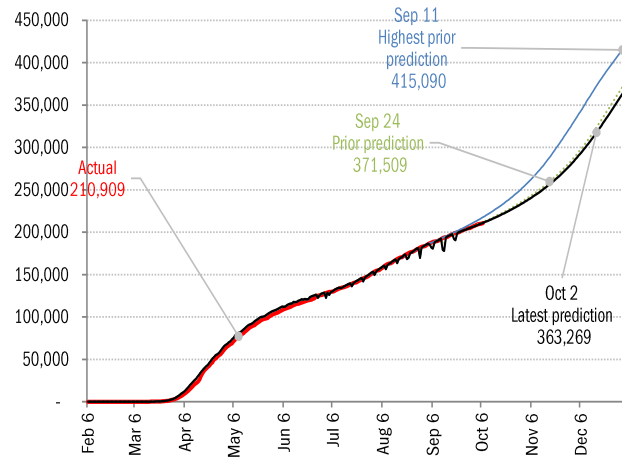


For this day, versus all model mean predictions

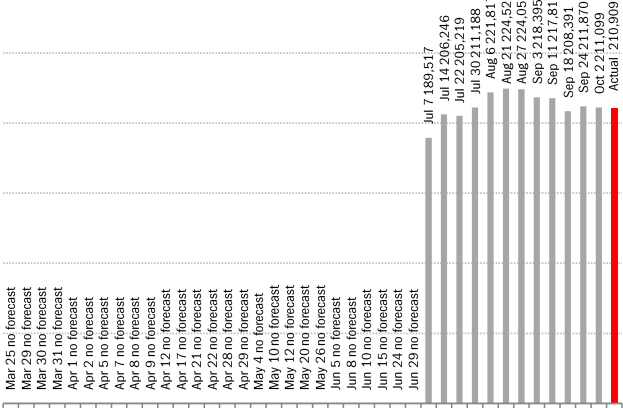


Cumulative fatalities

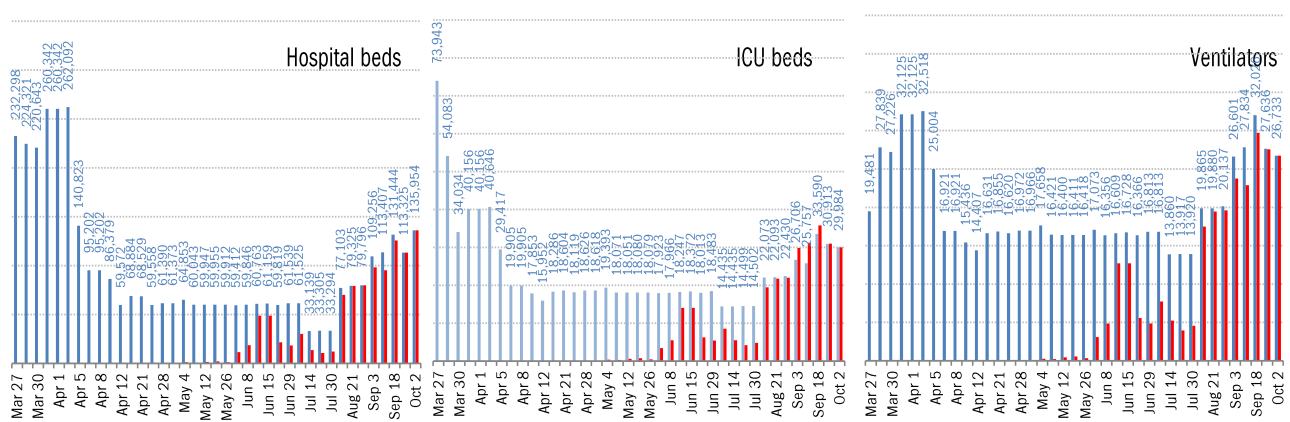
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

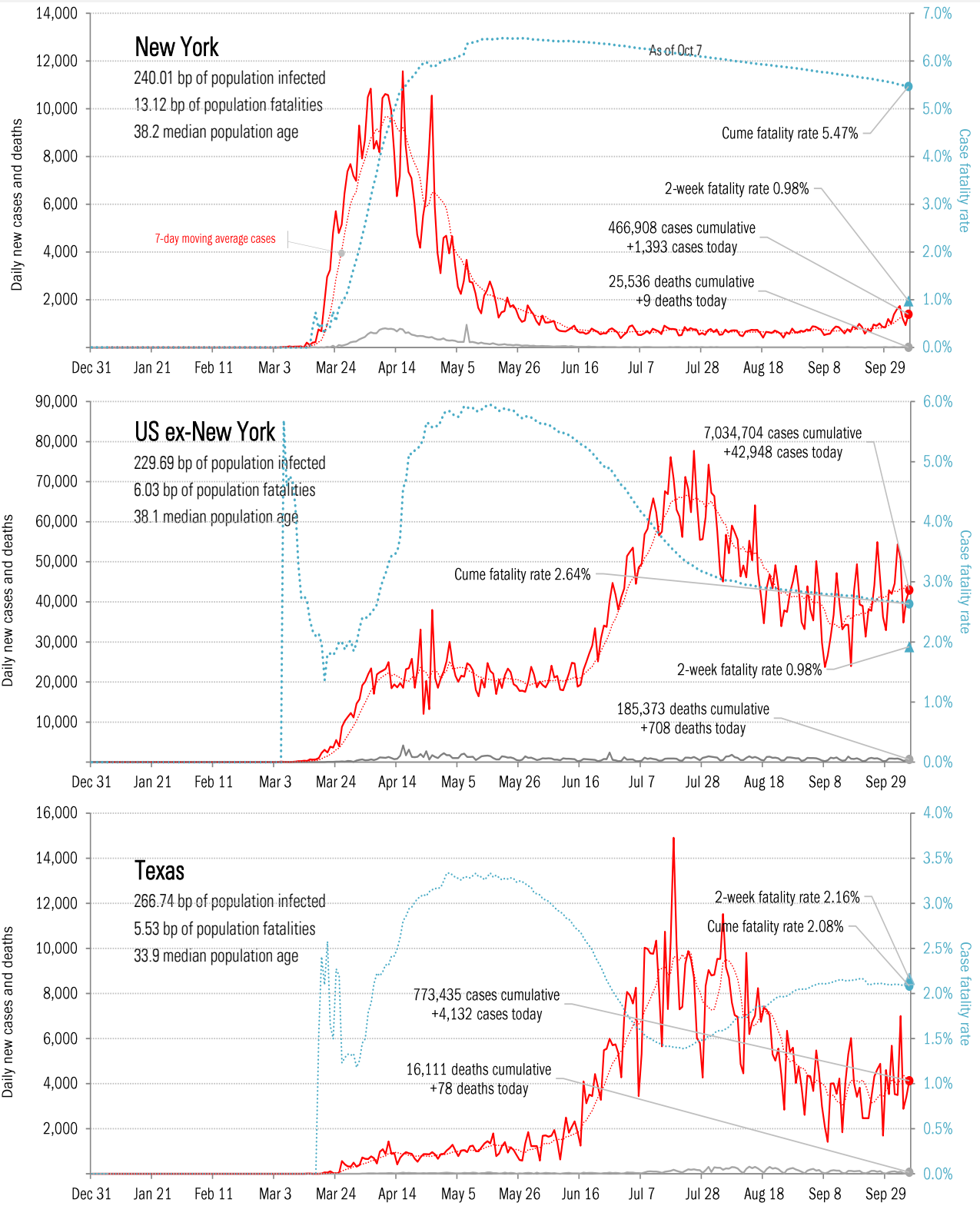


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



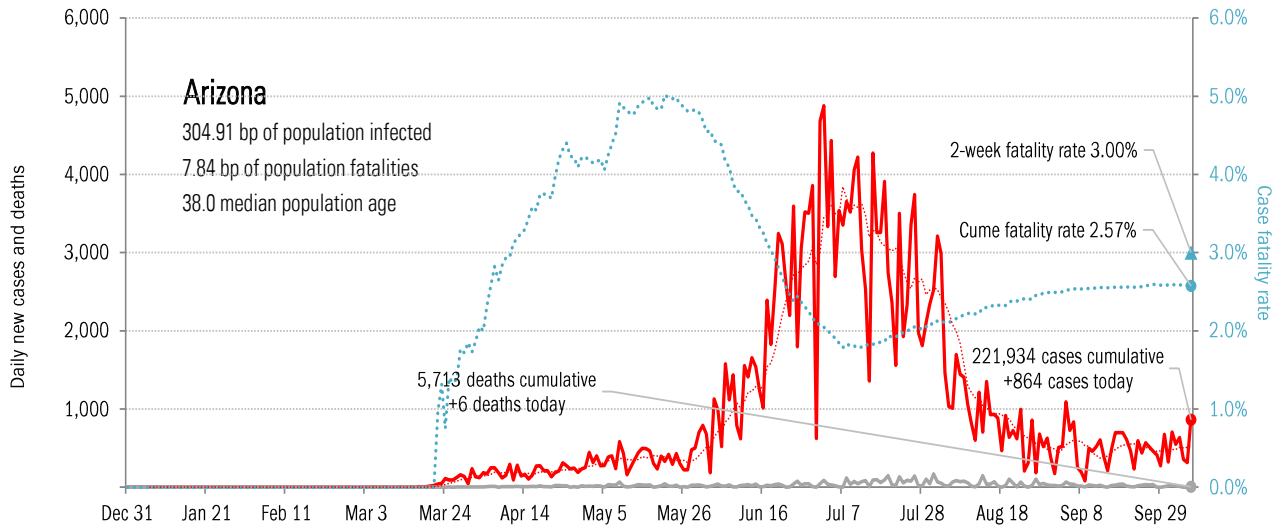
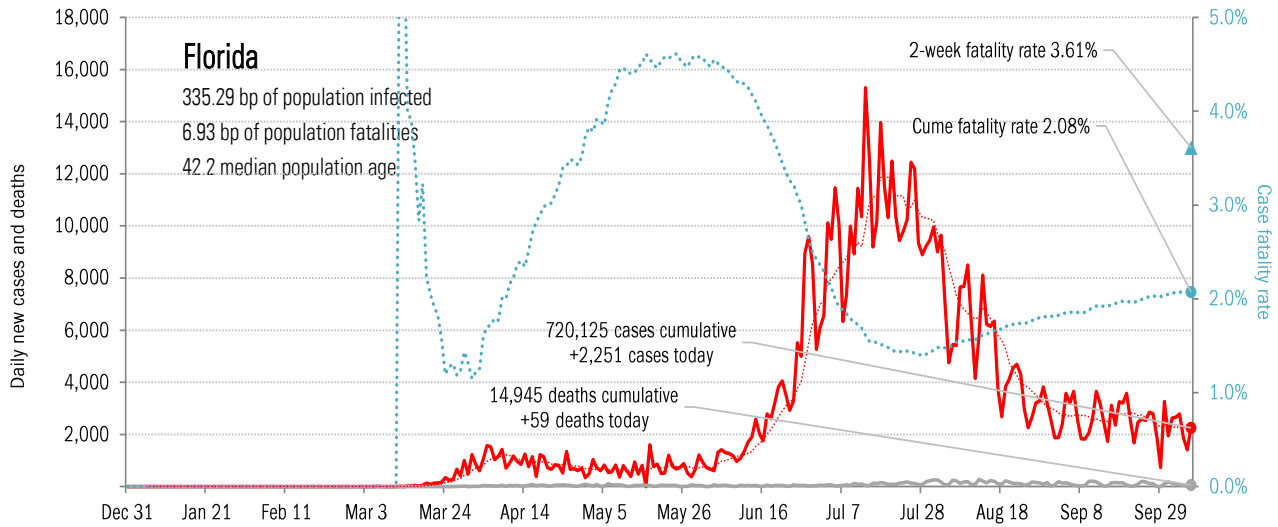
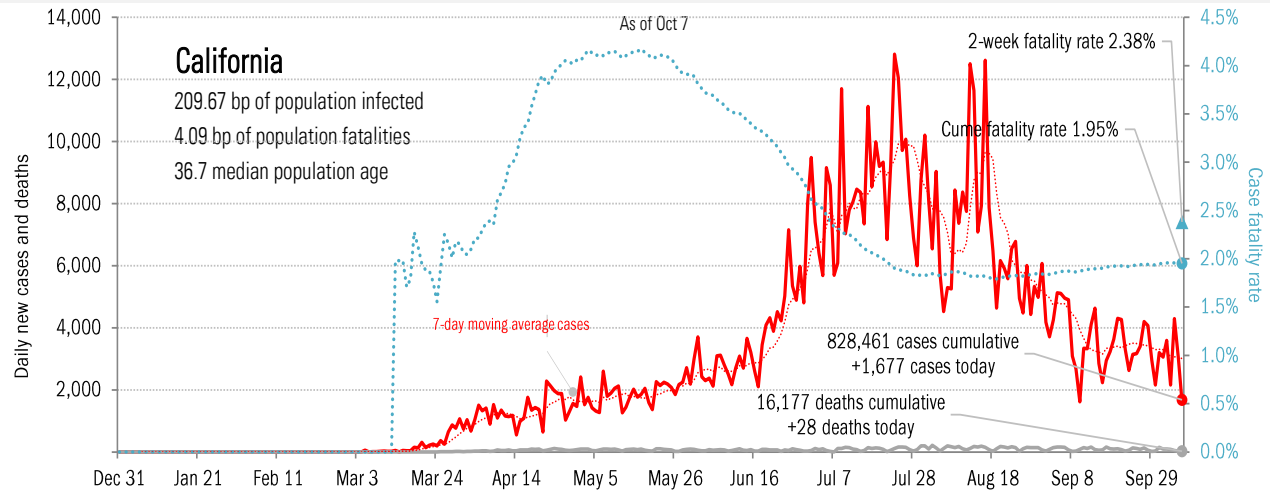
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



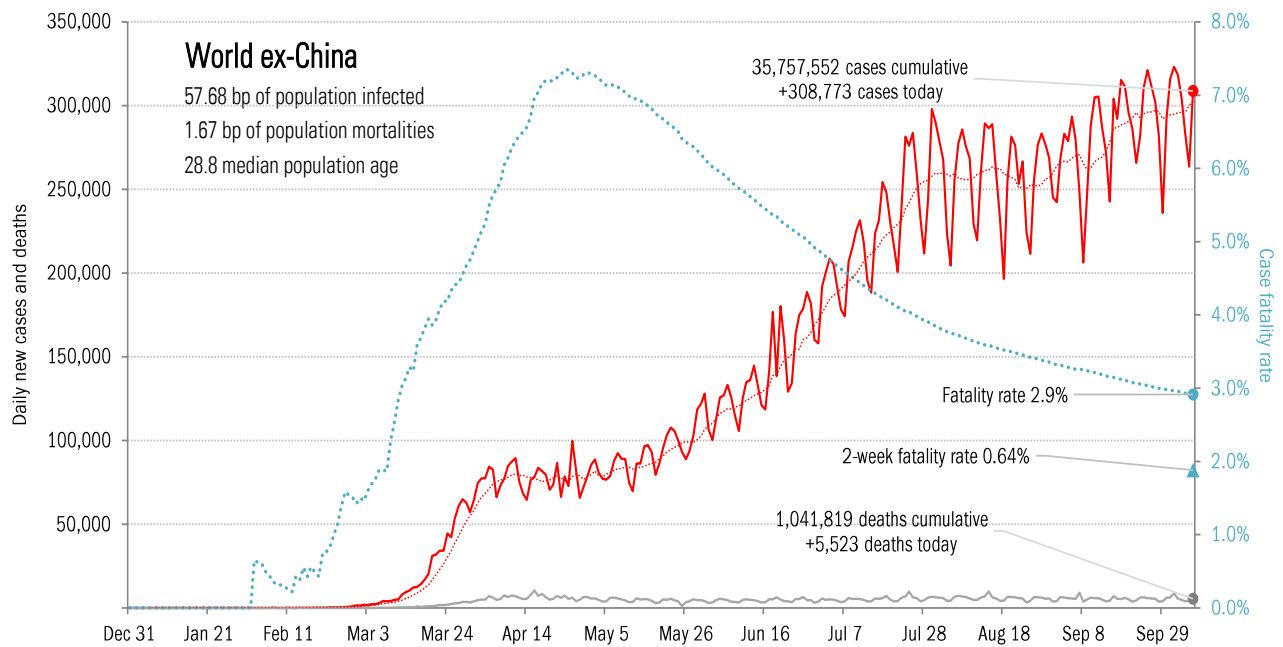
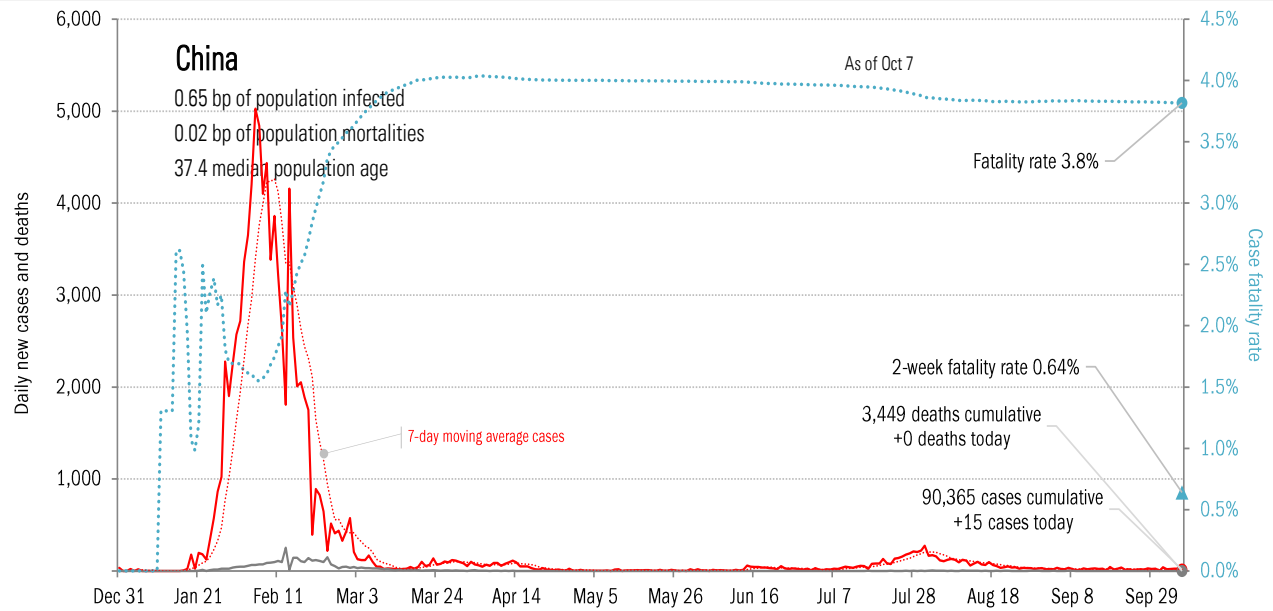
Source: [ECDC](#), TrendMacro calculations

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



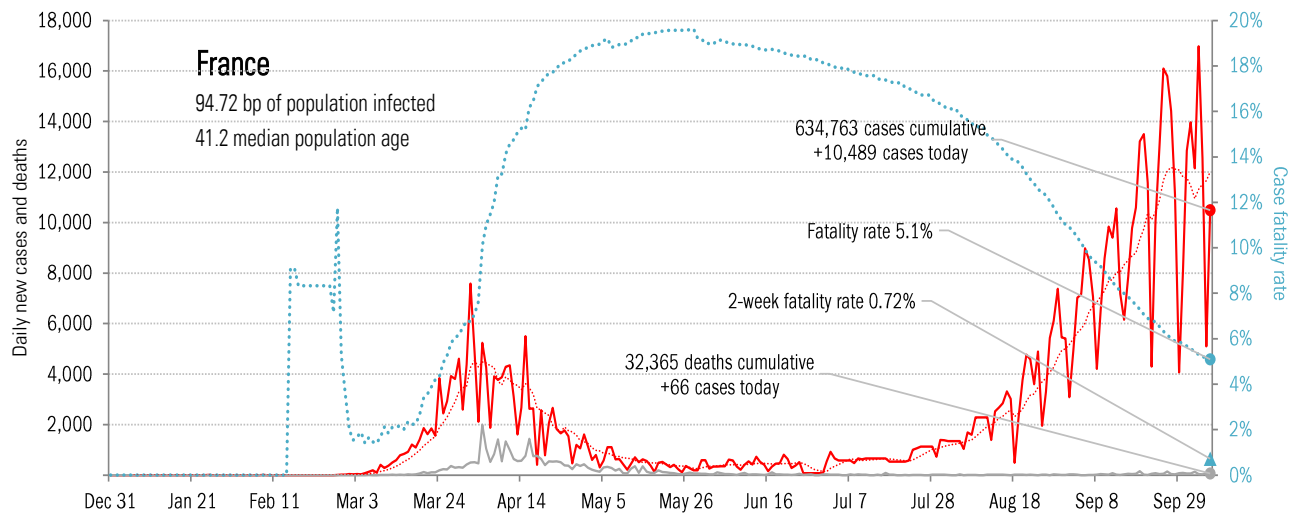
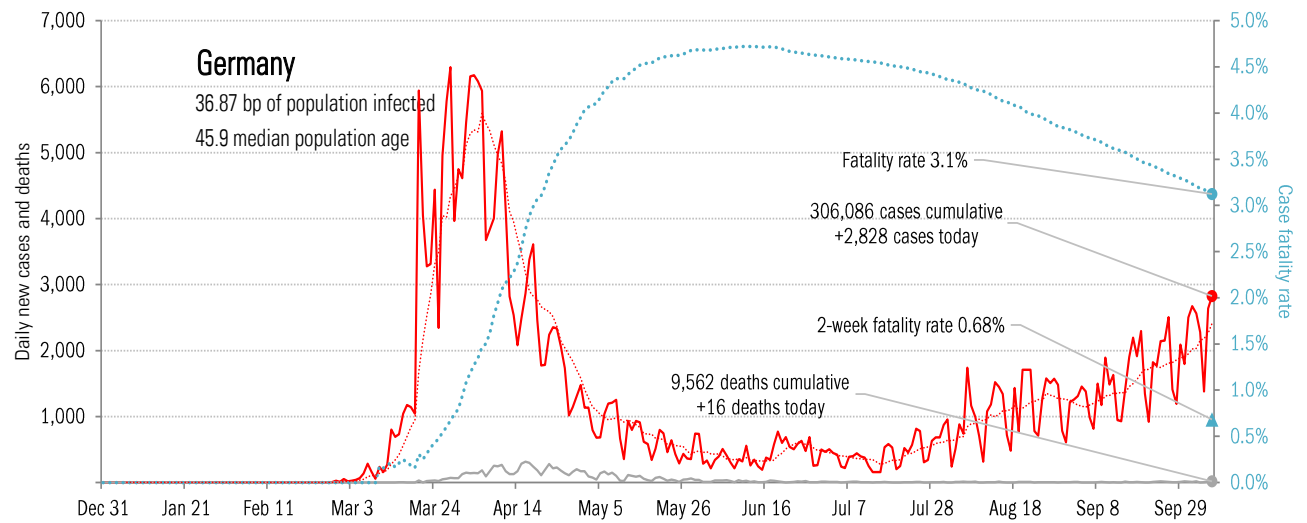
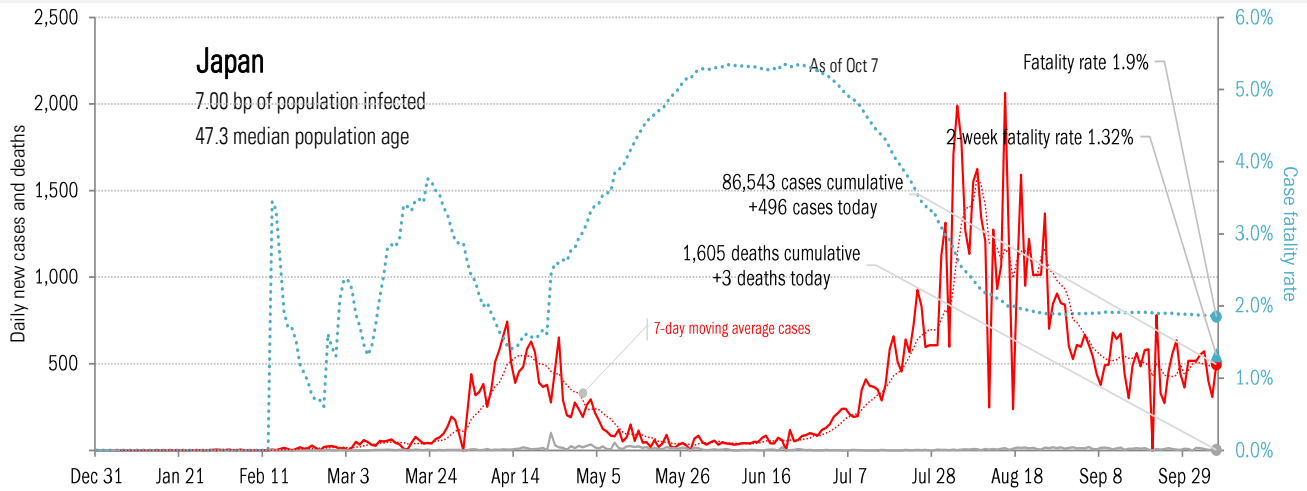
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



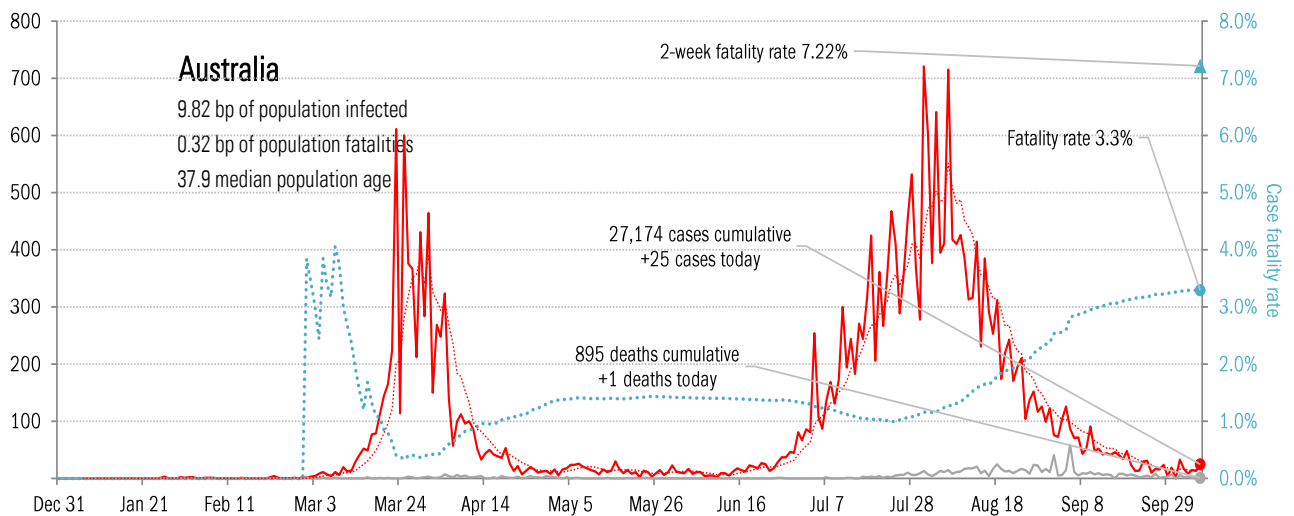
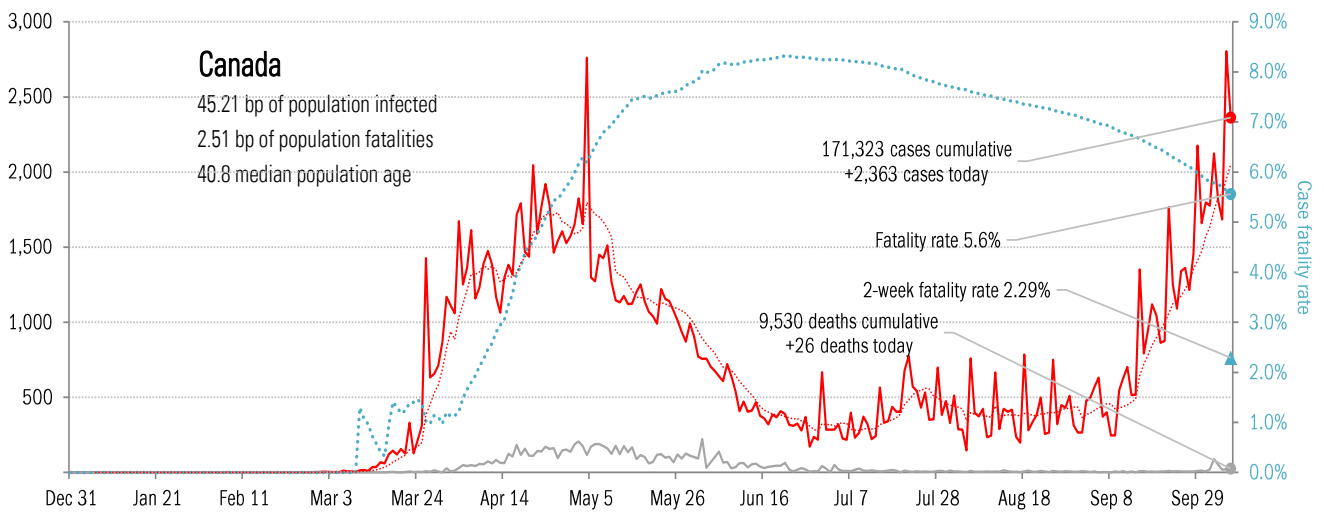
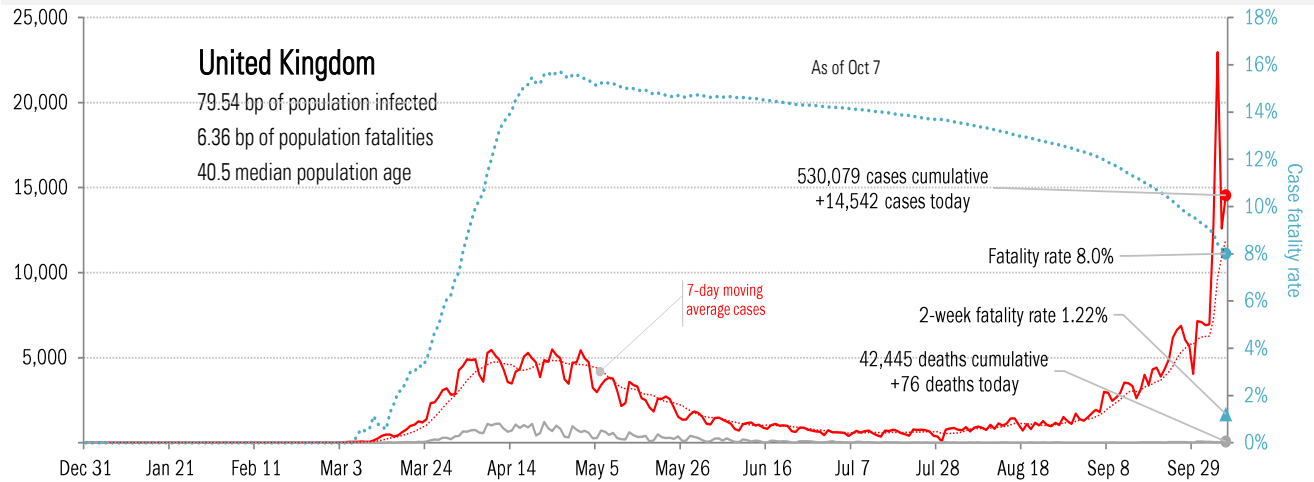
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



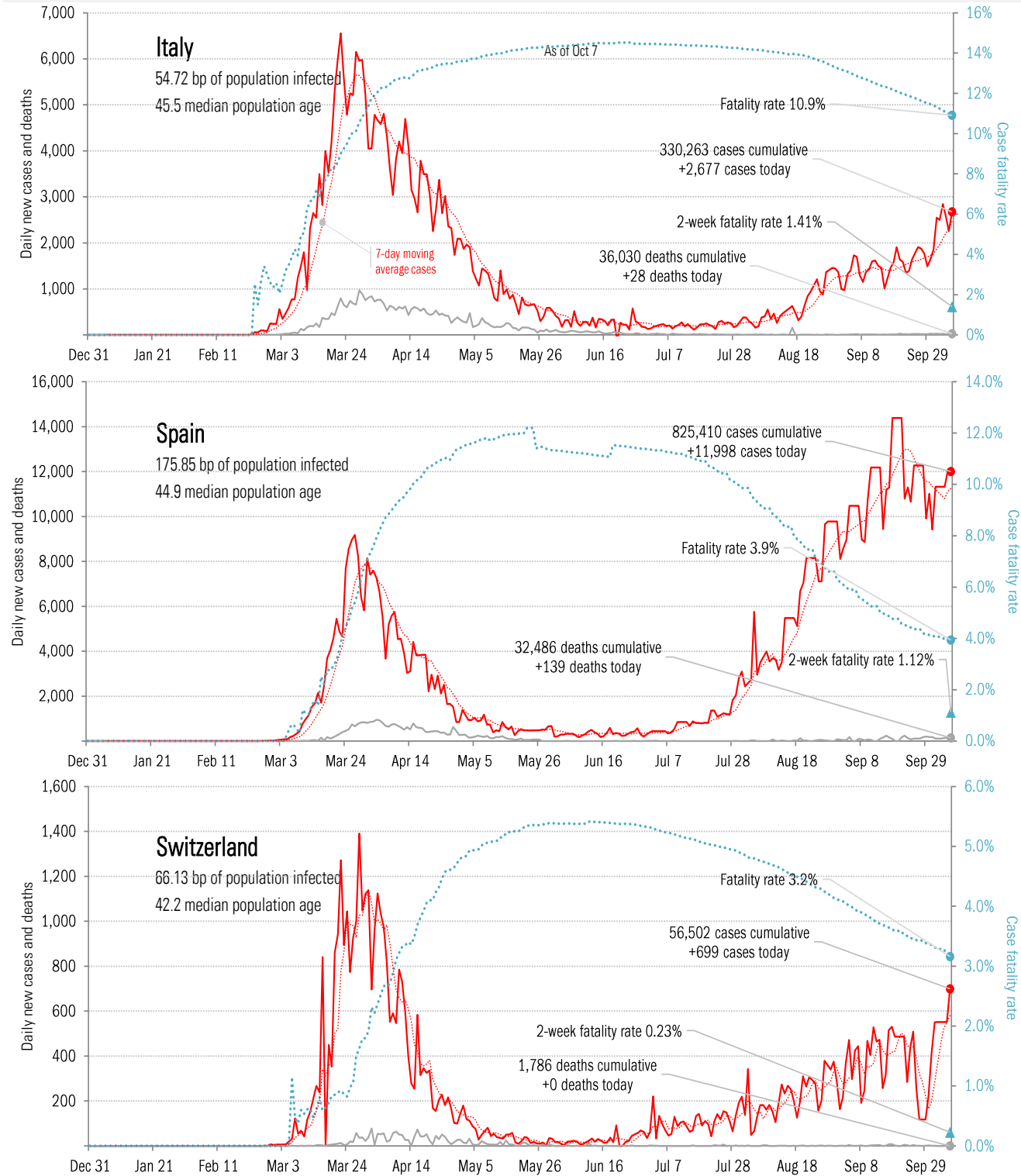
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



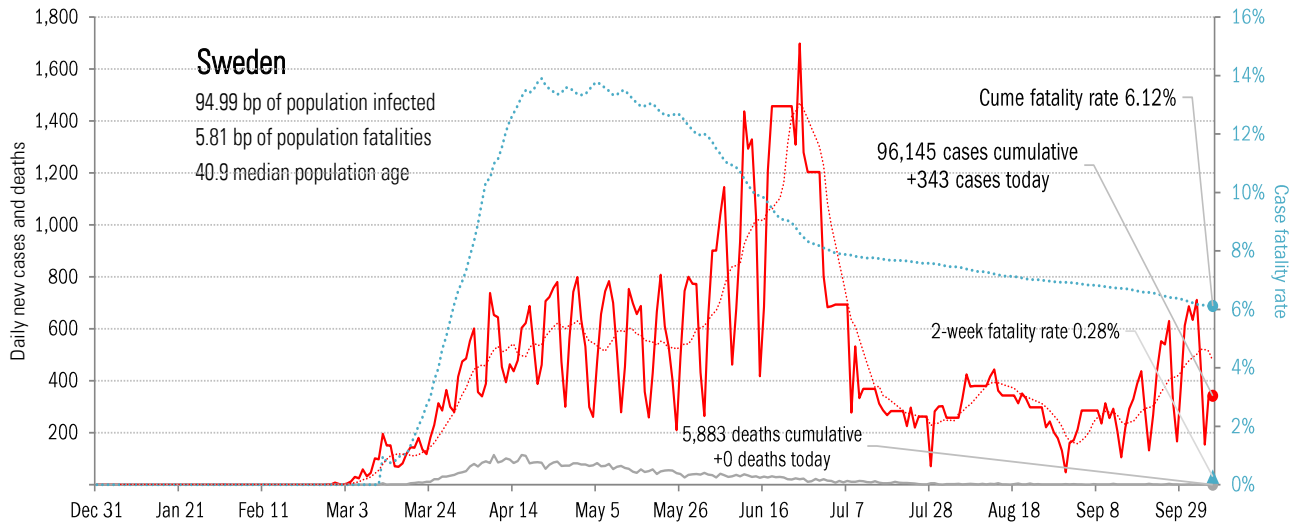
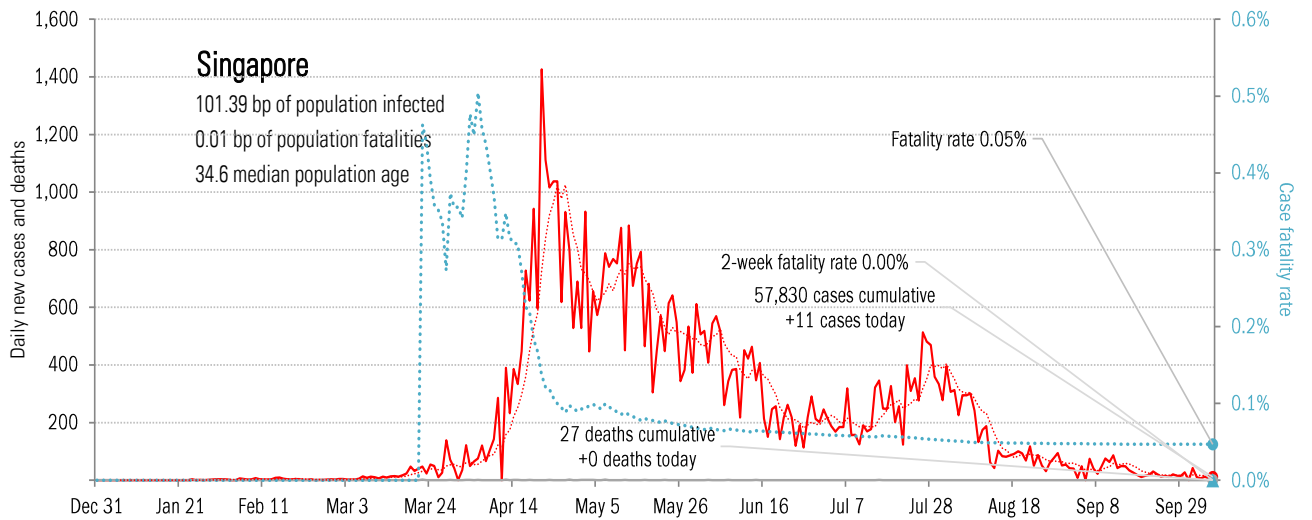
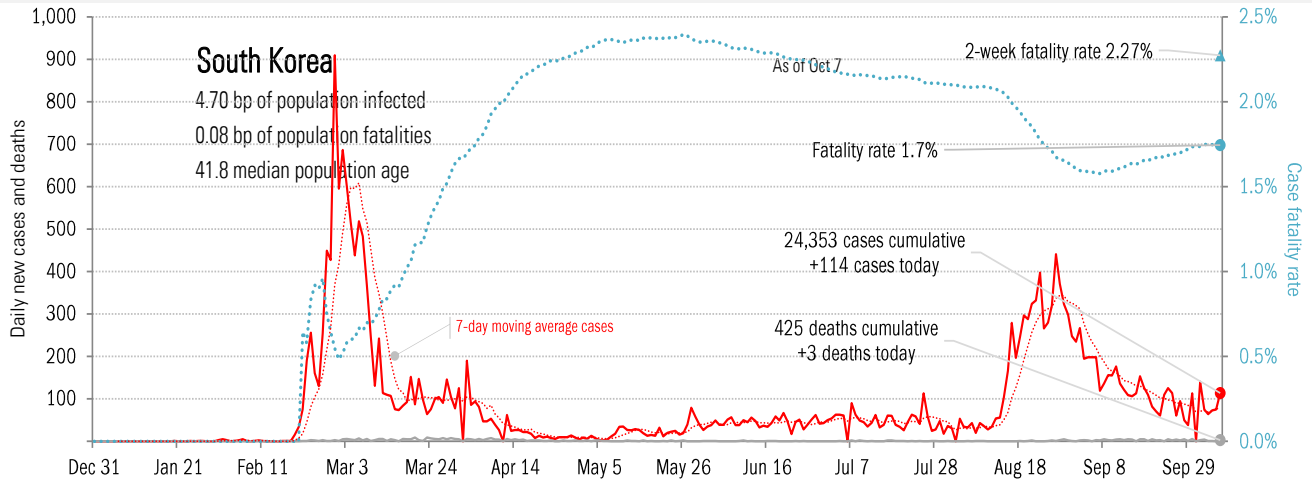
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



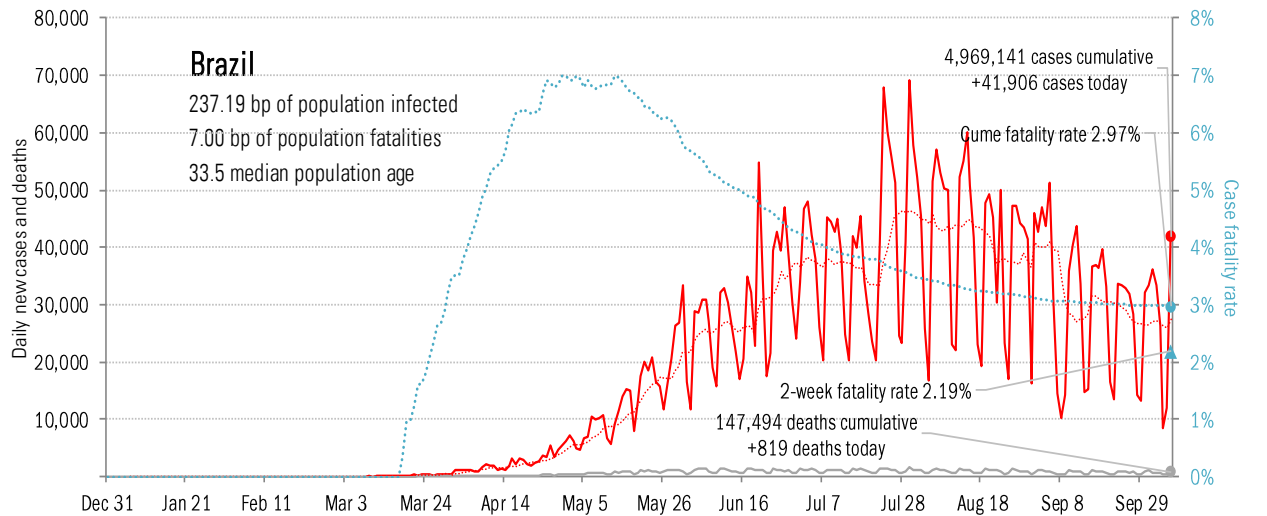
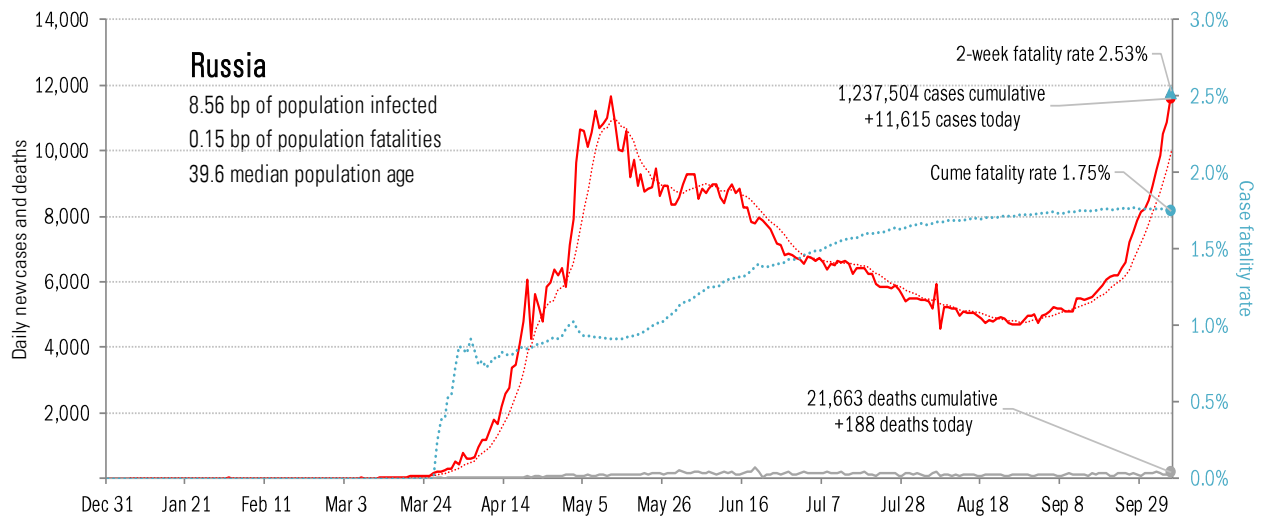
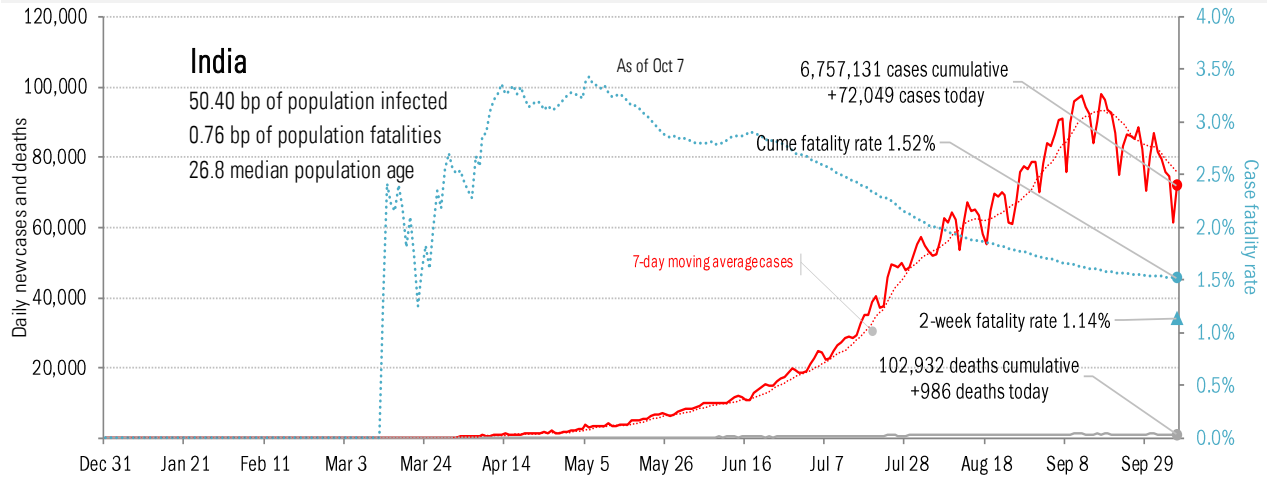
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



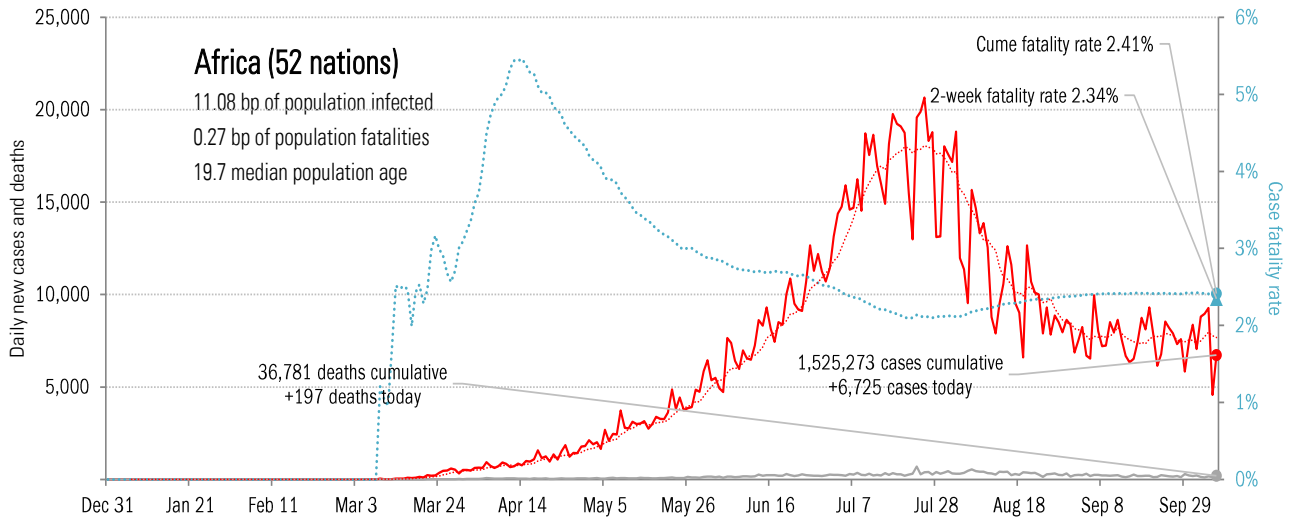
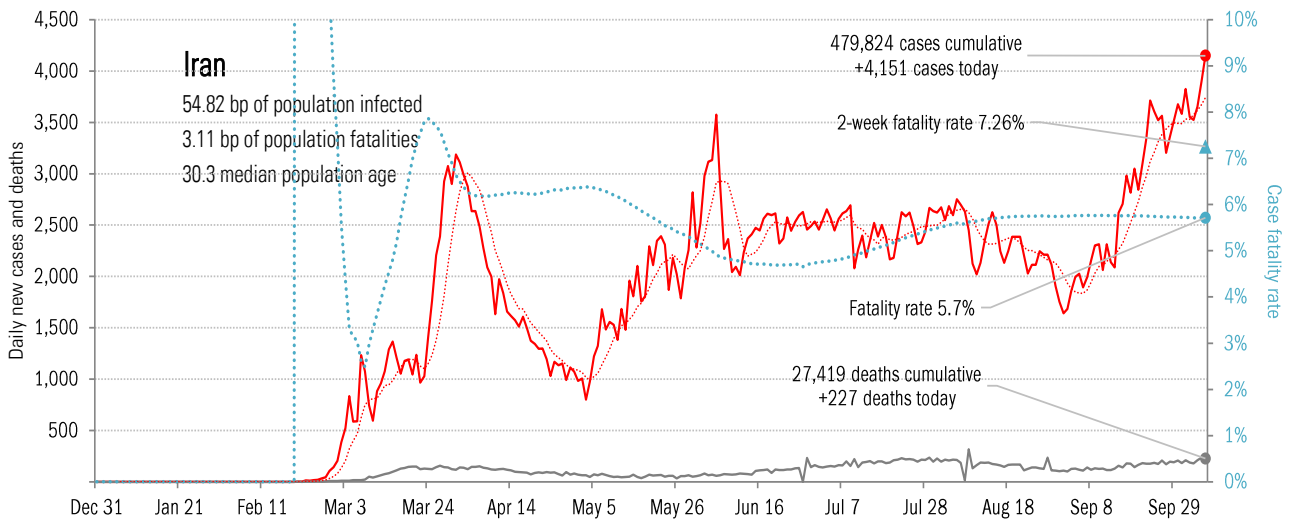
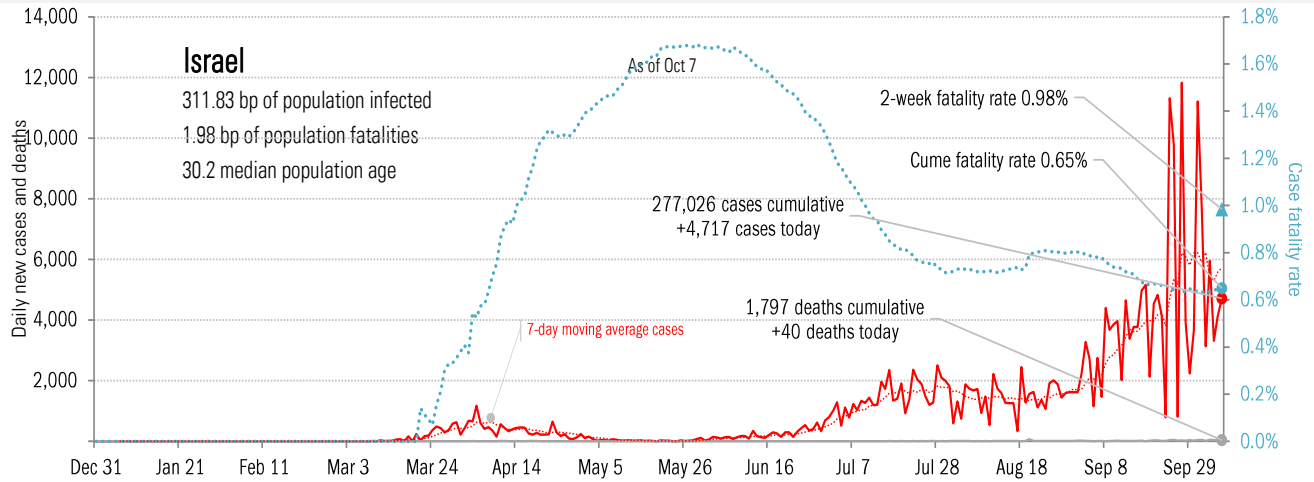
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations