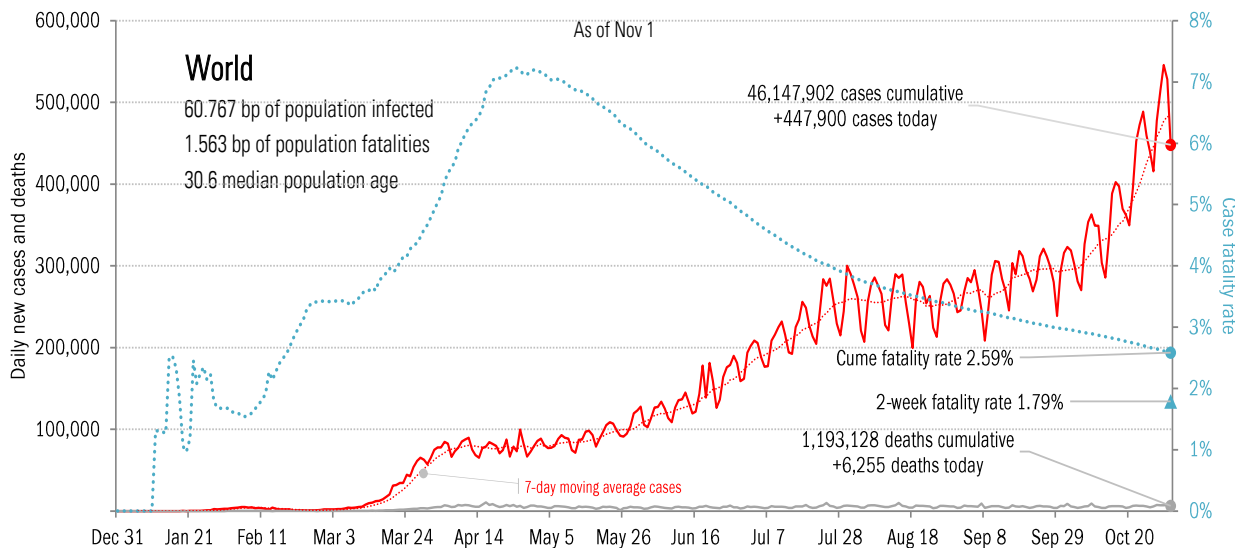
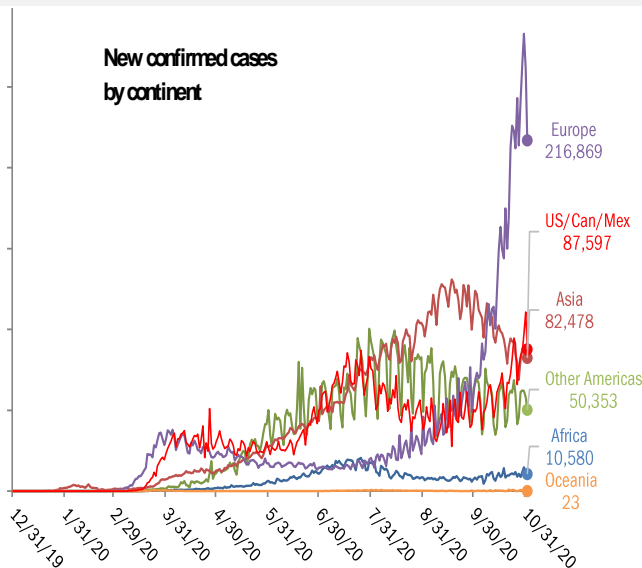


## Data Insights: Covid-2019 Monitor

Sunday, November 1, 2020

### The global scorecard

The worst ten countries			
New cases		New Deaths	
US	+78,934	US	+848
India	+46,963	India	+470
France	+32,641	Mexico	+464
Italy	+31,756	Brazil	+407
South_Sudan	+25,595	Iran	+386
UK	+21,915	Russia	+334
Poland	+21,897	UK	+326
Brazil	+18,947	Italy	+297
Russia	+18,140	Poland	+280
Germany	+14,177	France	+223
<b>+310,965</b>		<b>+4,035</b>	
World	+447,900	World	+6,255
Top ten	69%	Top ten	65%



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

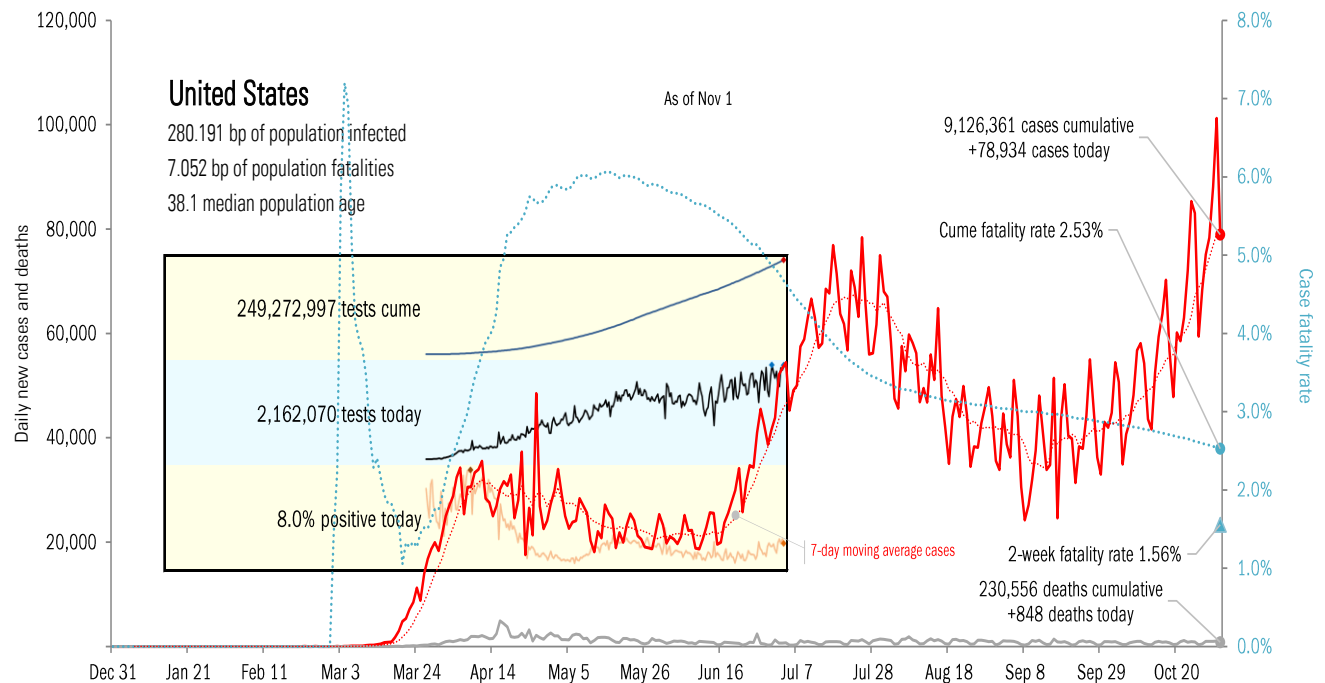
## The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
IL	+7,899	MO	+99	TN	+201	CA	922,005	NY	25,807	NY	89,995
TX	+7,145	TX	+90	IL	+136	TX	900,596	TX	18,024	FL	49,914
WI	+5,808	WI	+63	IN	+78	FL	791,997	CA	17,626	NJ	37,688
CA	+5,087	IL	+56	TX	+69	NY	507,480	FL	16,969	GA	31,699
MI	+4,018	CA	+55	CA	+64	IL	416,559	NJ	16,350	AZ	21,492
IN	+3,465	IN	+46	NE	+56	GA	360,790	IL	10,050	VA	21,034
MN	+3,007	NC	+46	MA	+52	NC	274,635	MA	9,991	AL	20,450
MO	+2,986	AZ	+45	WA	+51	TN	260,672	PA	8,812	CH	19,132
CH	+2,915	FL	+42	MO	+44	AZ	245,946	GA	7,979	MD	17,093
NC	+2,805	SC	+39	CO	+39	NJ	237,886	MI	7,699	IN	16,847
<b>+45,135</b>		<b>+581</b>		<b>+790</b>		<b>4,918,566</b>		<b>139,307</b>		<b>325,344</b>	
All states	+90,058	All states	+960	All states	+686	All states	9,077,689	All states	222,316	All states	475,025
Top ten	50%	Top ten	61%	Top ten	115%	Top ten	54%	Top ten	63%	Top ten	68%

*Some states not reporting*

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
KS	-3,136	TN	-66	MI	-396	AL	+5
FL	-3,100	FL	-31	WI	-137	UT	+5
TN	-1,424	TX	-25	KS	-80	AK	+0
CH	-930	KS	-22	FL	-68	AR	+0
CT	-761	ND	-18	CH	-56	AS	+0



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

## Recommended reading

[Johnson Announces a Partial Lockdown for England as Virus Surges](#)

Alex Morales

*Bloomberg*

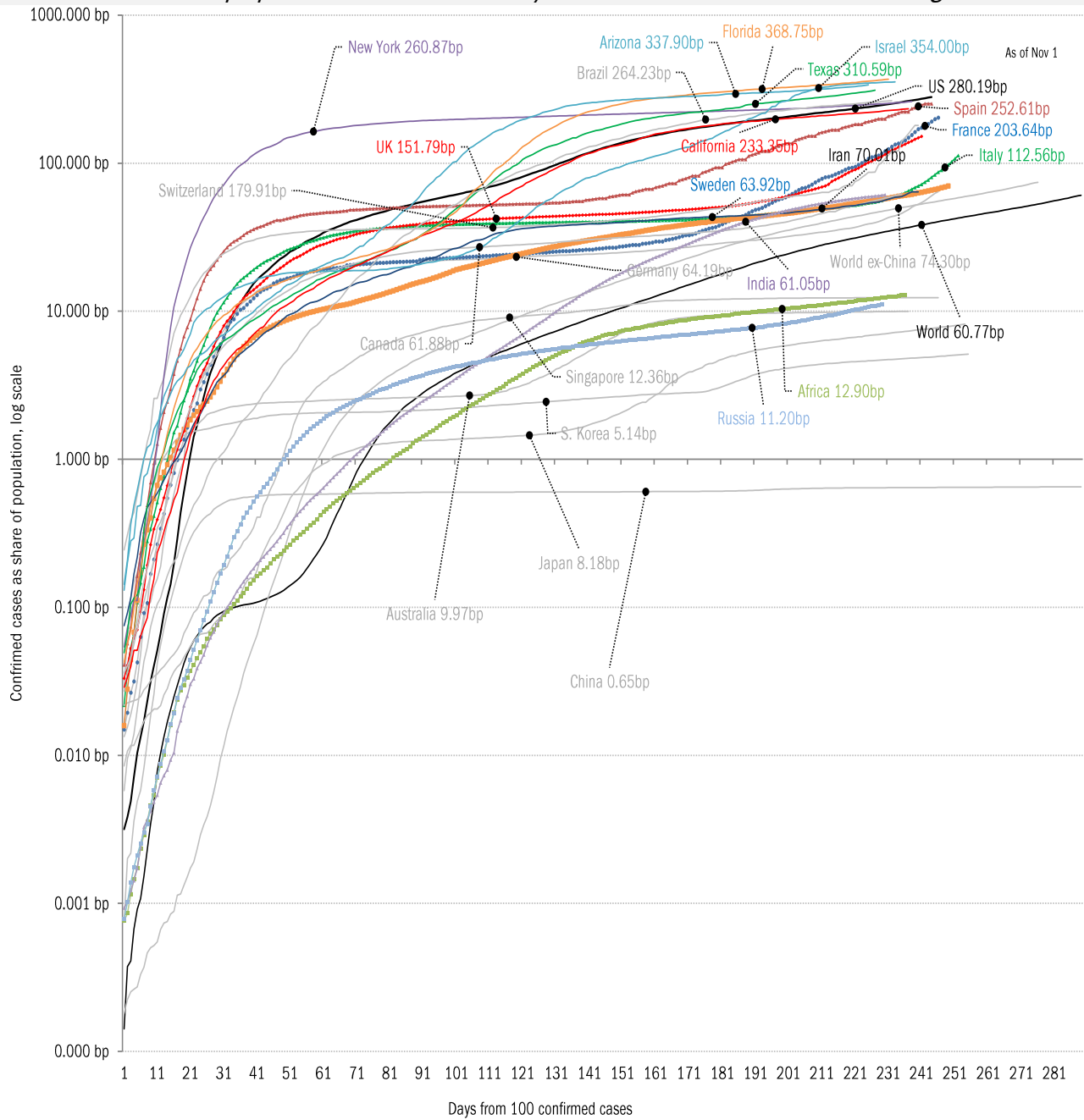
October 31, 2020

## Meme of day



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

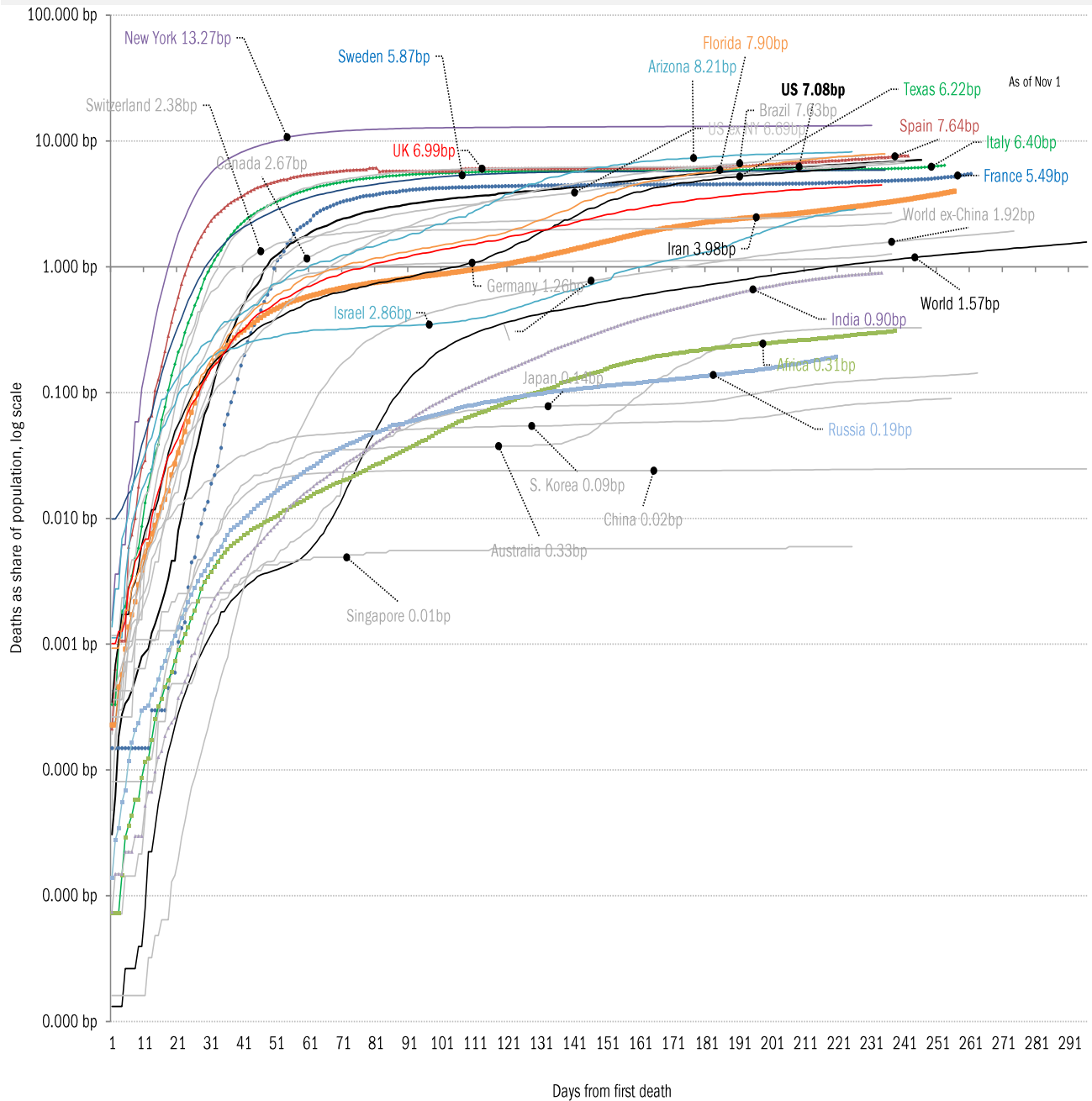
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [ECDC](#), TrendMacro calculations

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

## Share of deceased population from day of first fatality

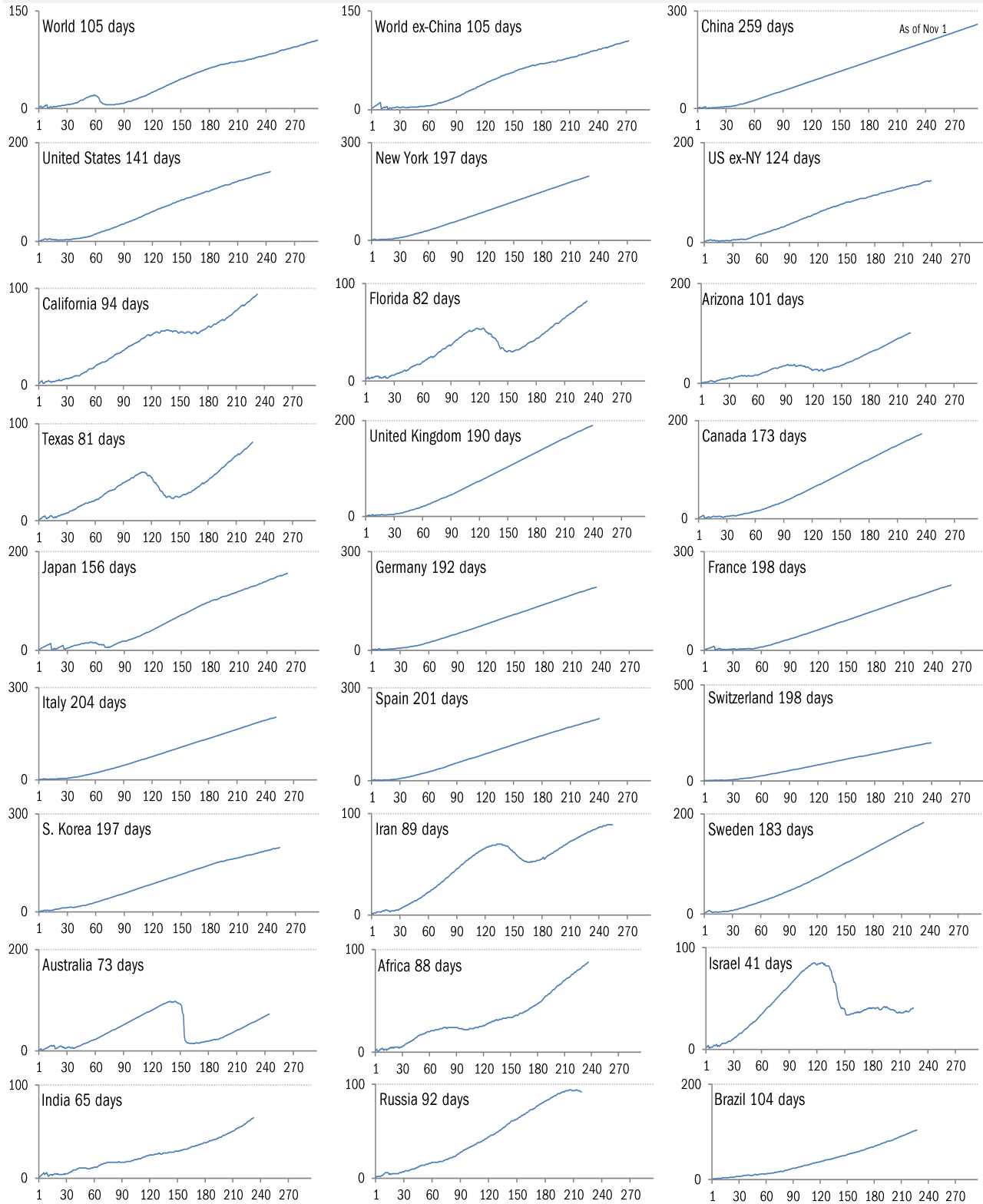


Source: [ECDC](#), TrendMacro calculations

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

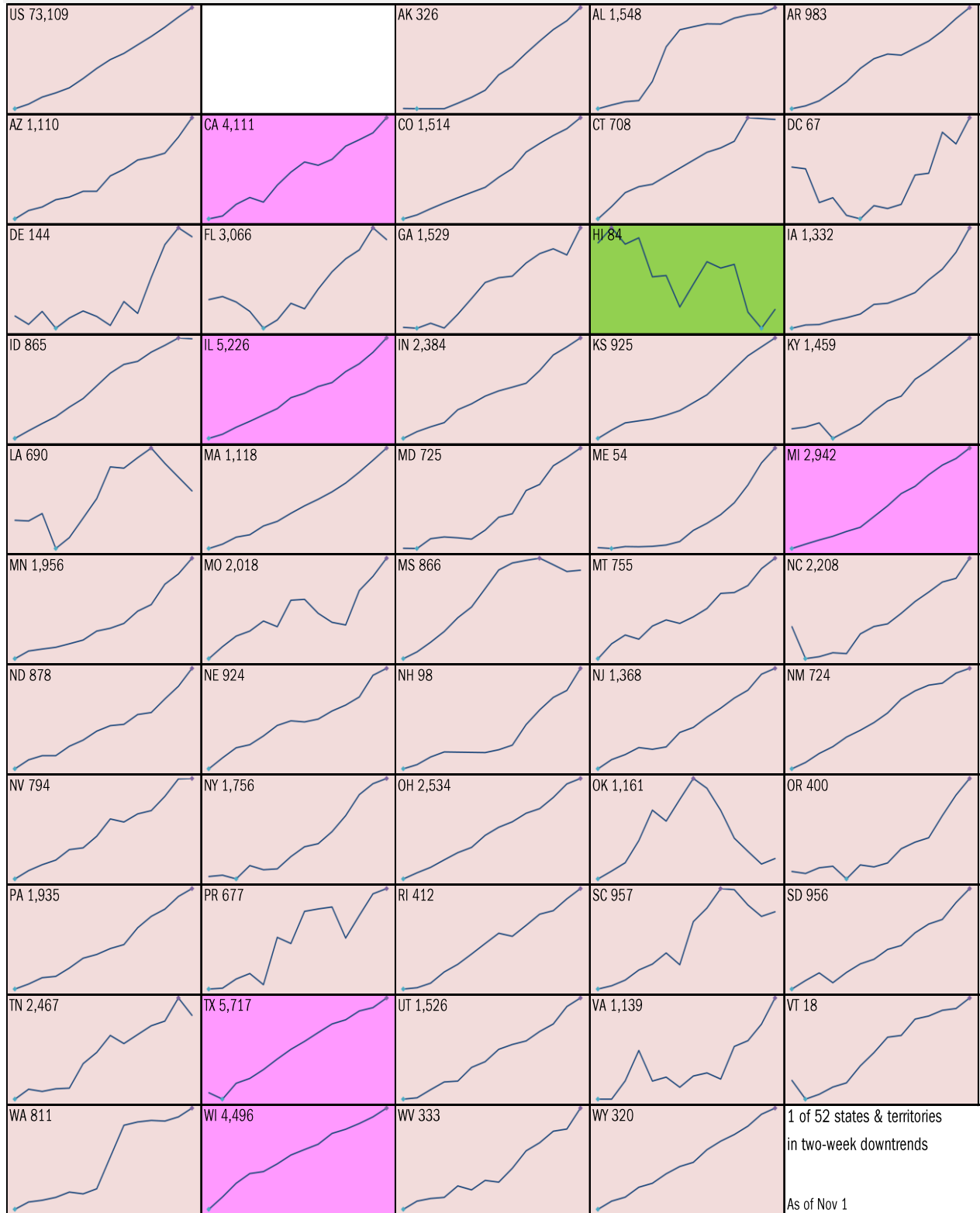
Vertical: days to double deaths Horizontal: days from first death

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

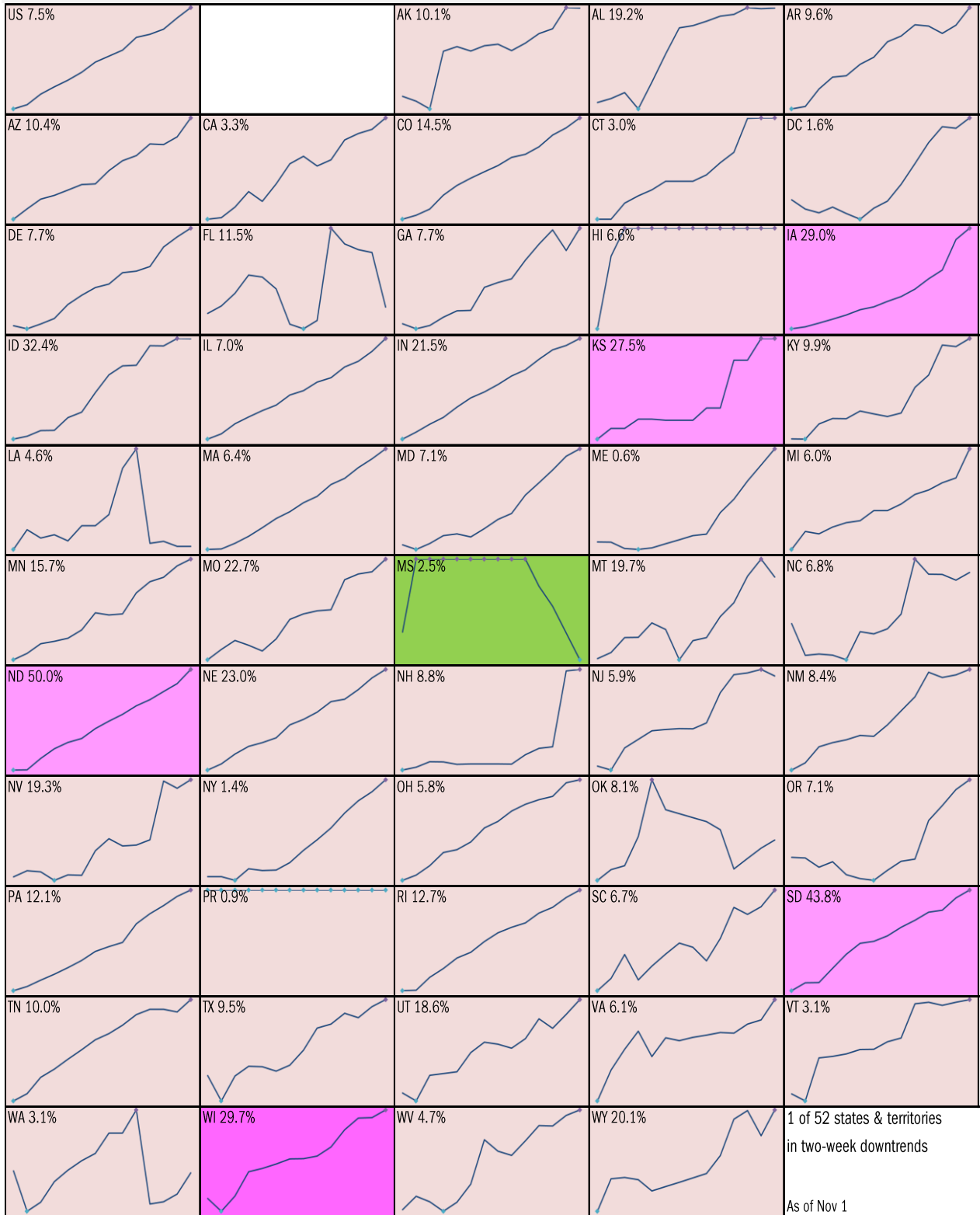


Source: [Covid Tracking Project](#), TrendMacro calculations

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

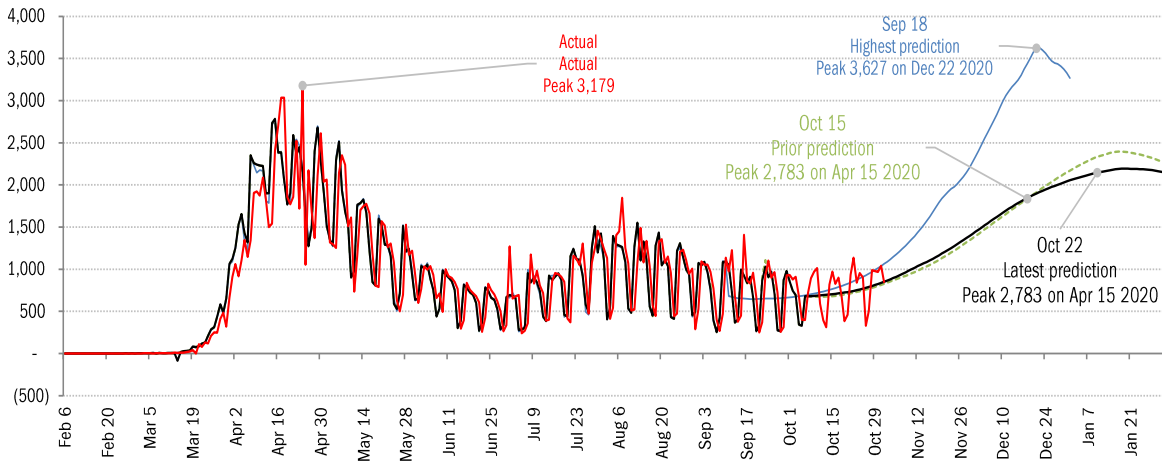


# Reality-checking the models: actuals versus [IHME](#) predictions

## New daily fatalities

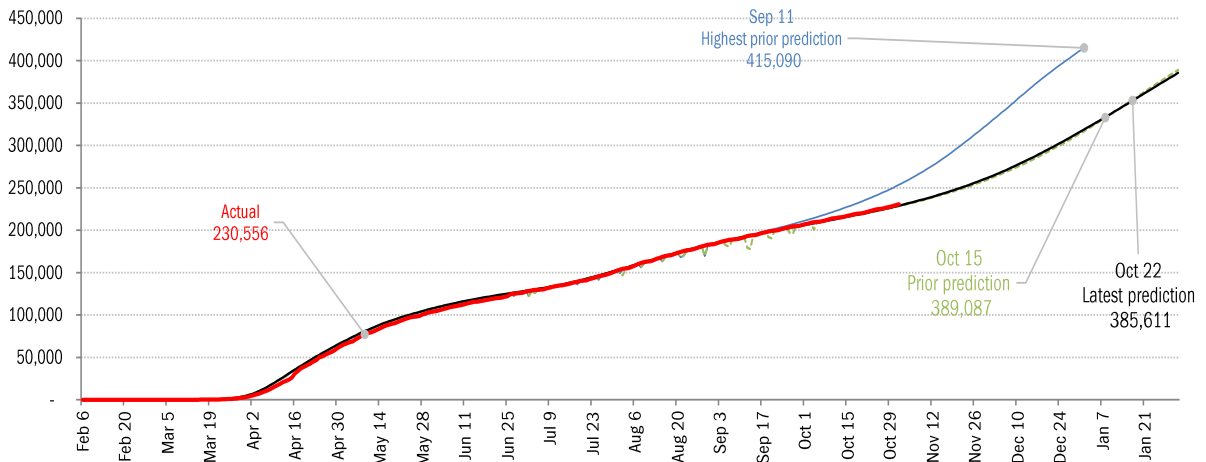
As of Nov 1

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

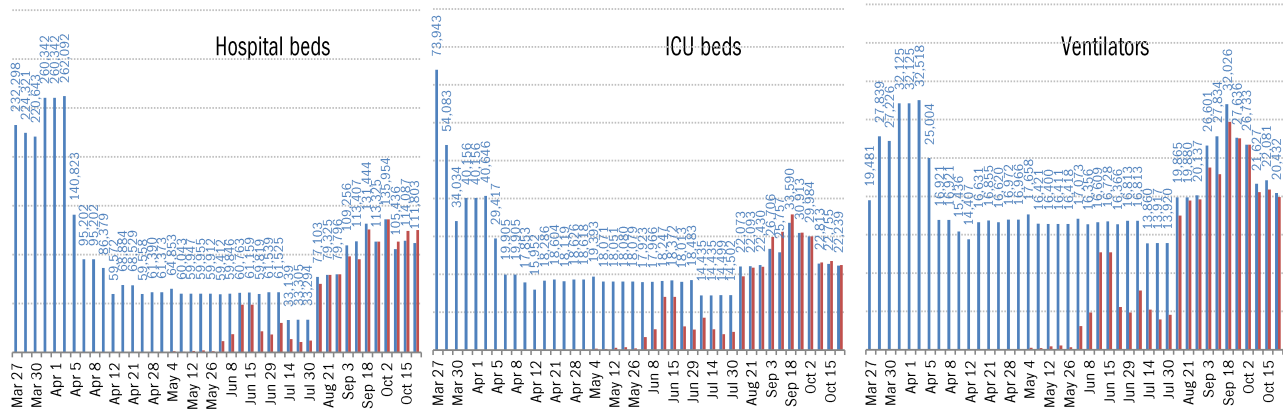


## Cumulative fatalities

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

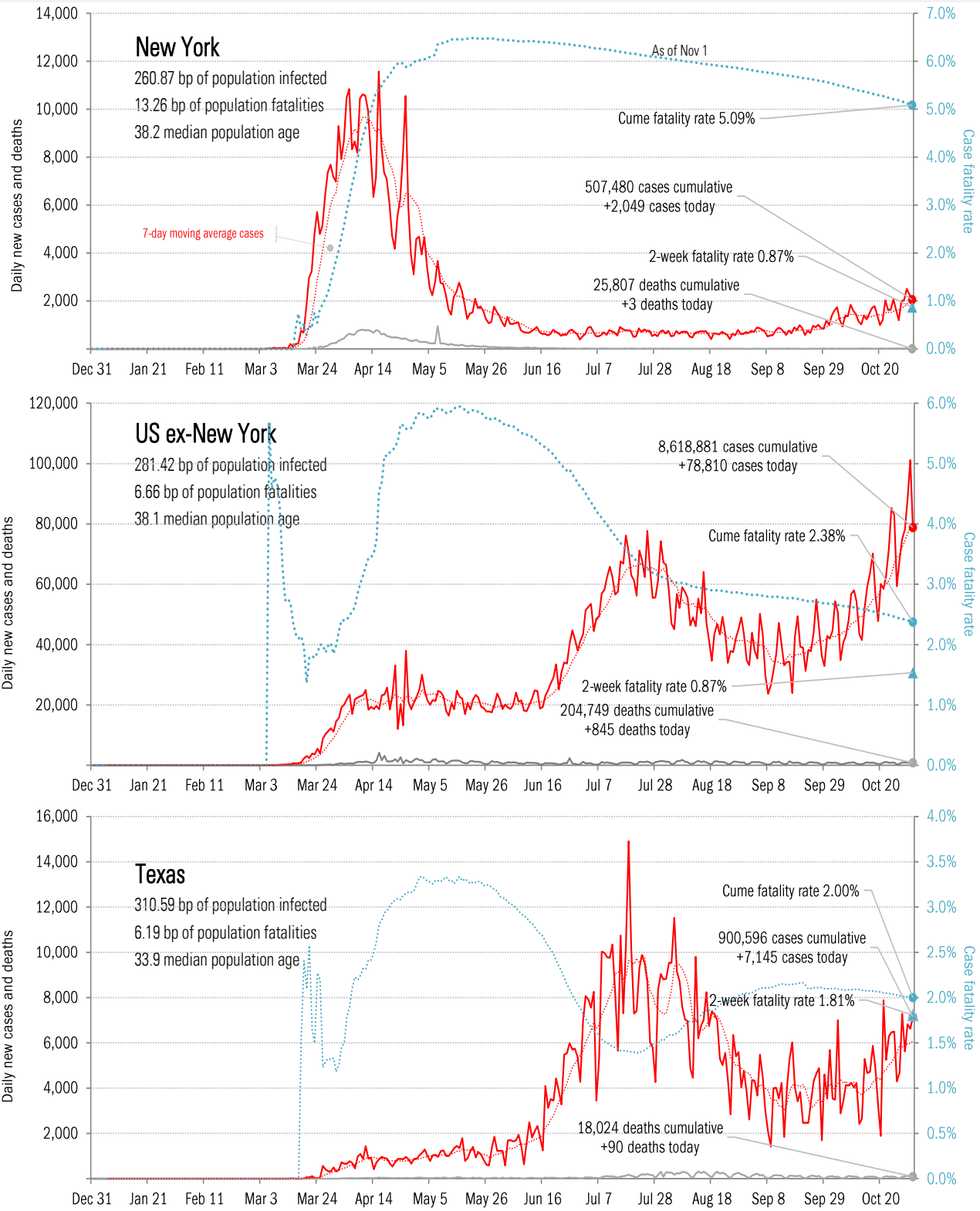


## Healthcare system stress, **peak** and **ultimate** estimated at each model revision



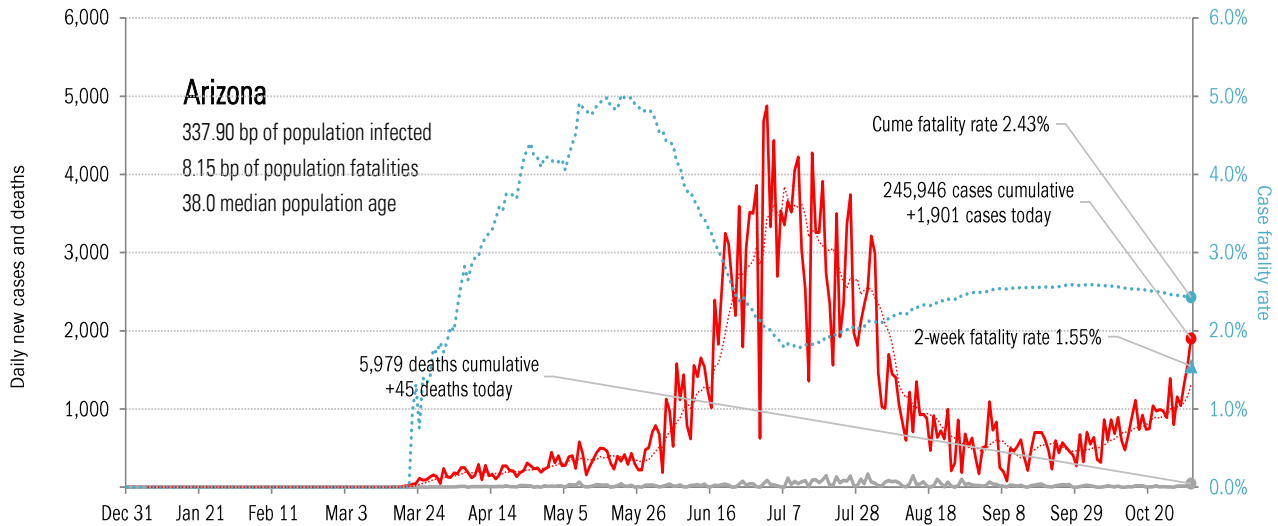
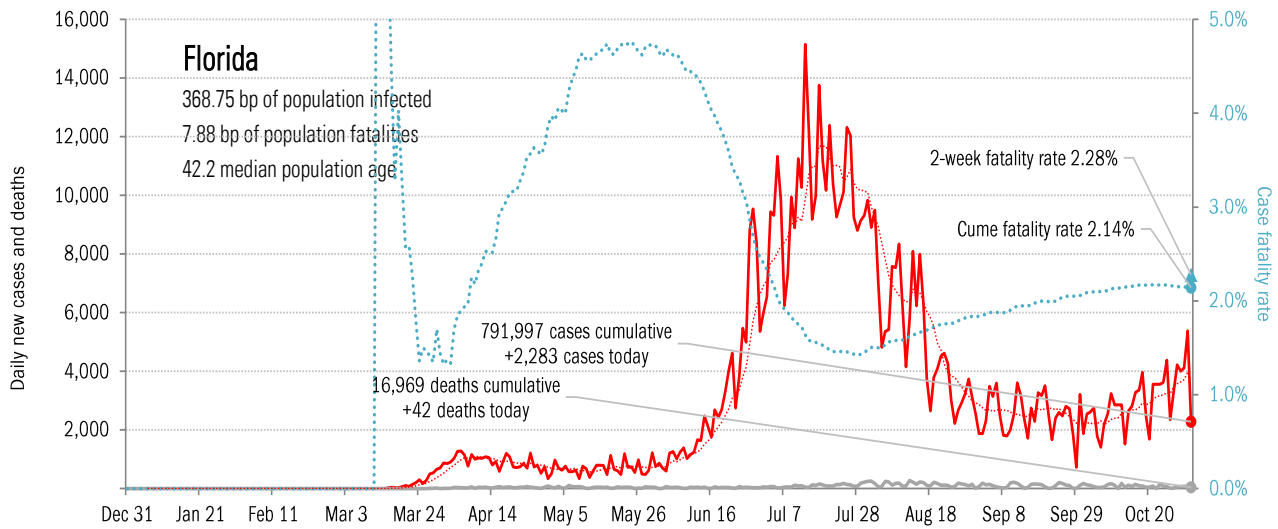
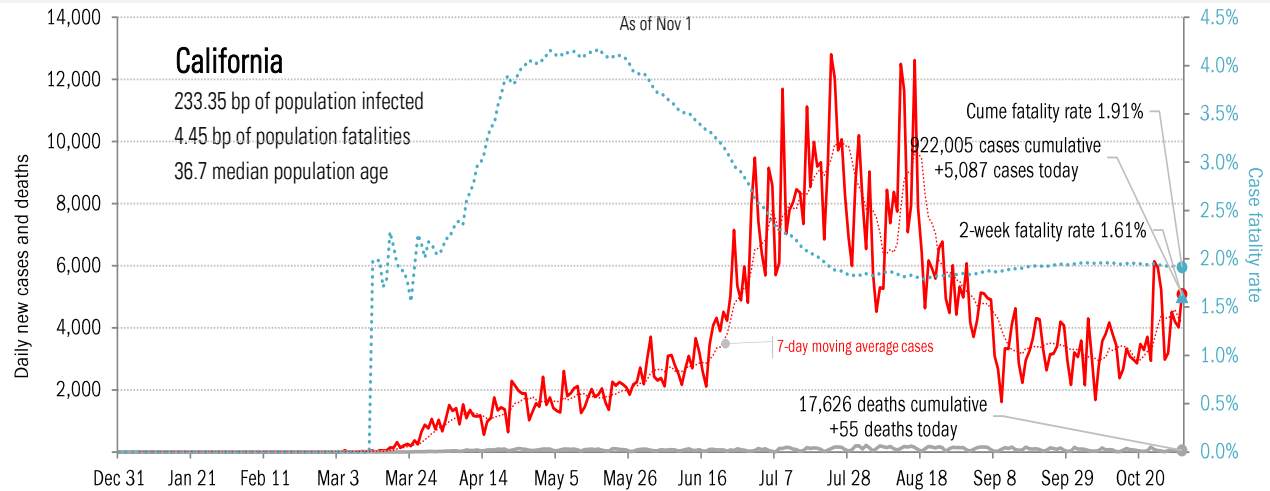
Source: [ECDC](#), [IHME](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



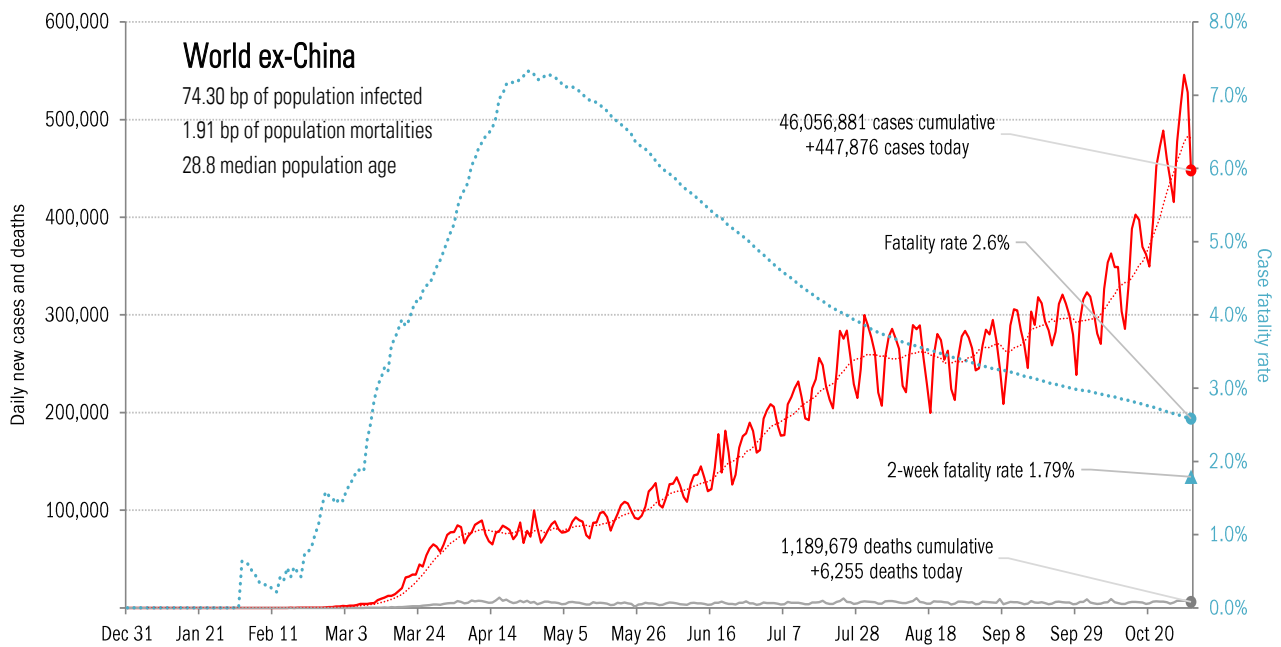
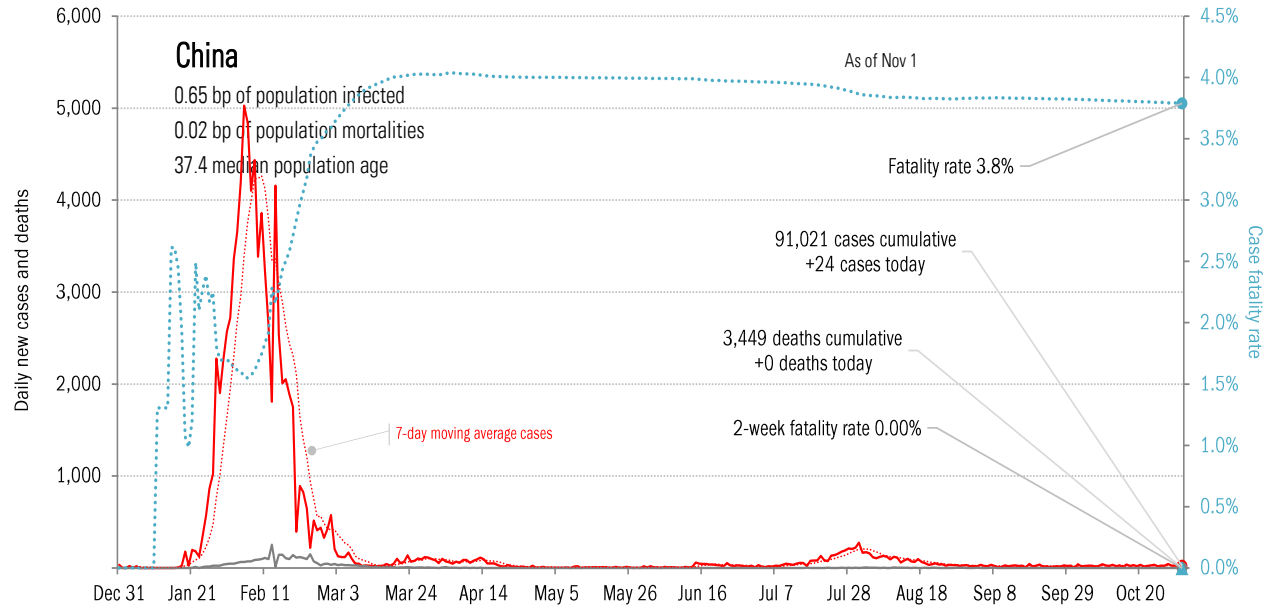
Source: [ECDC](#), TrendMacro calculations

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



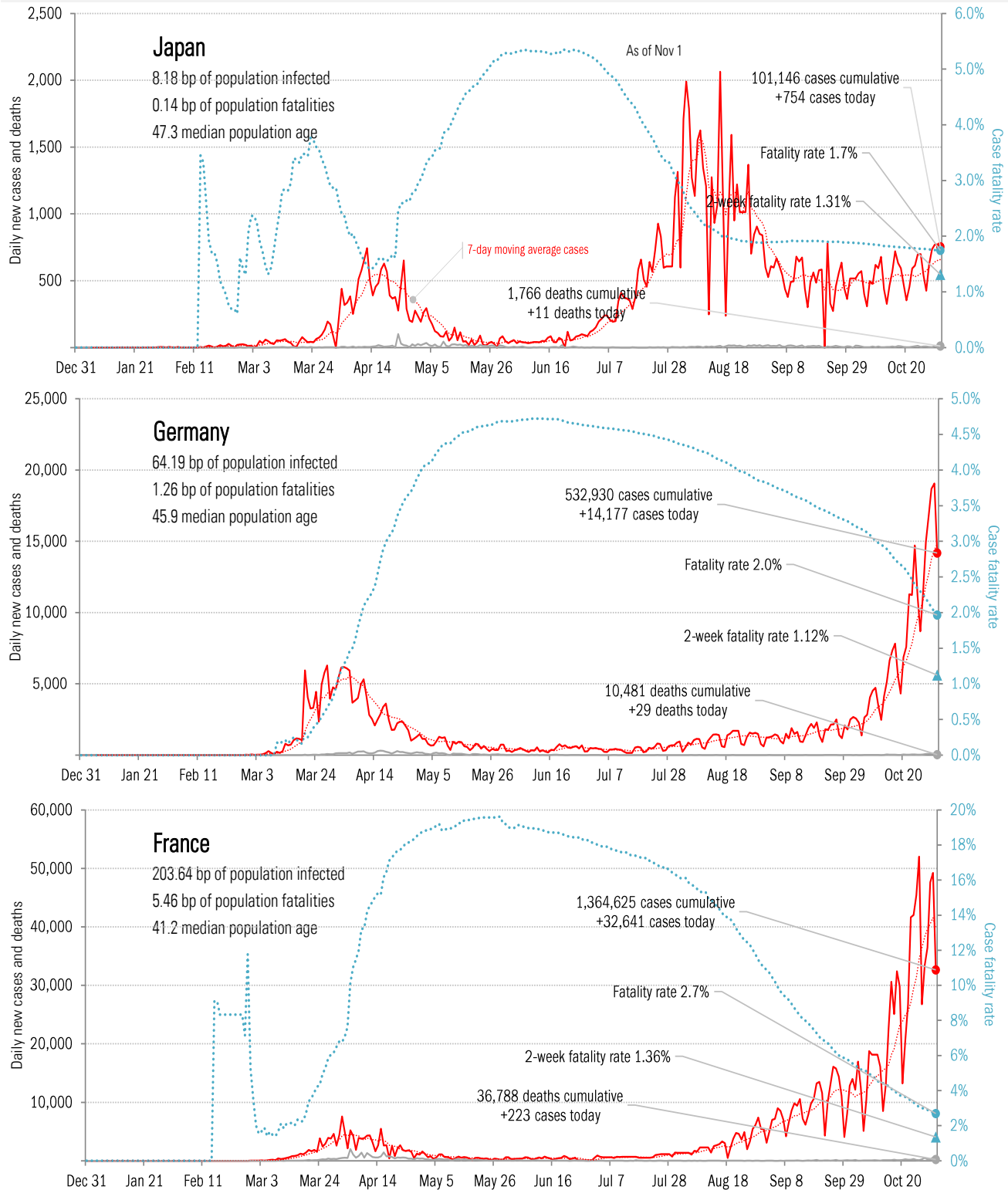
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



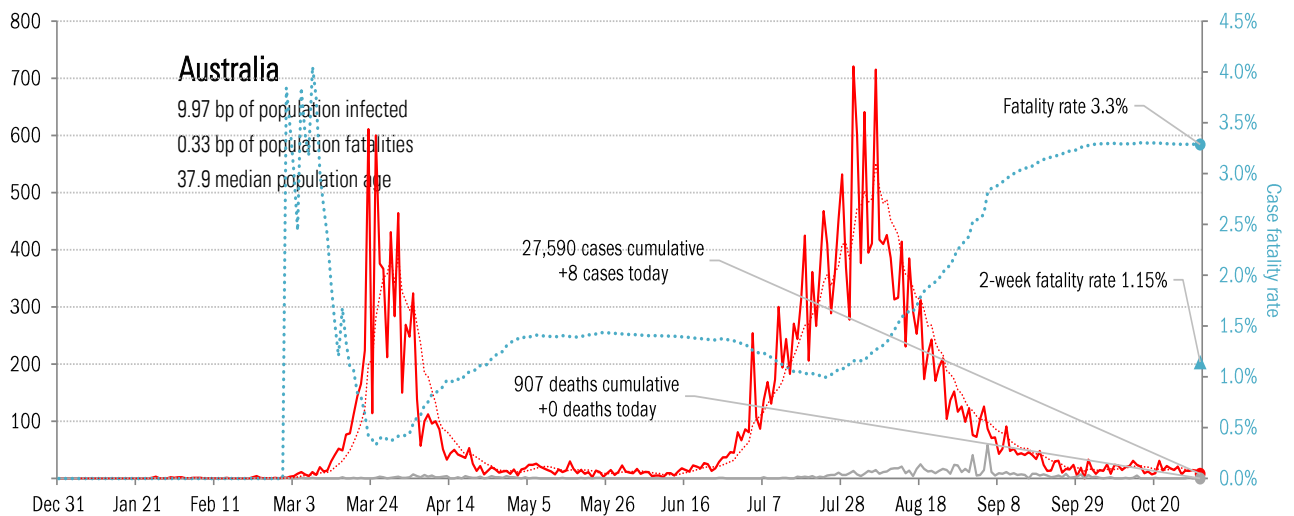
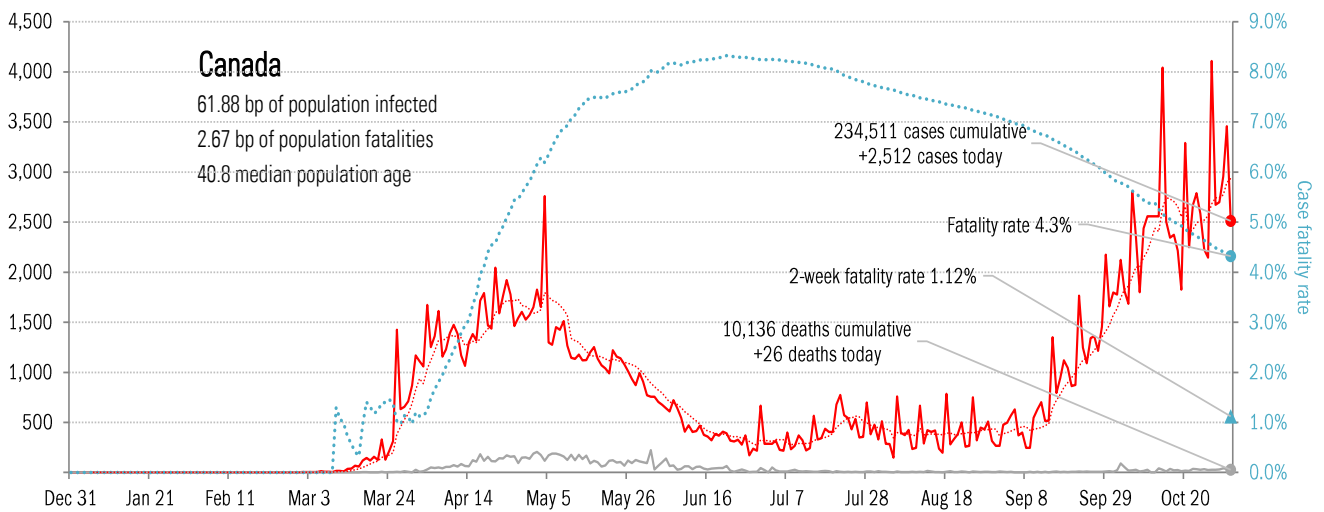
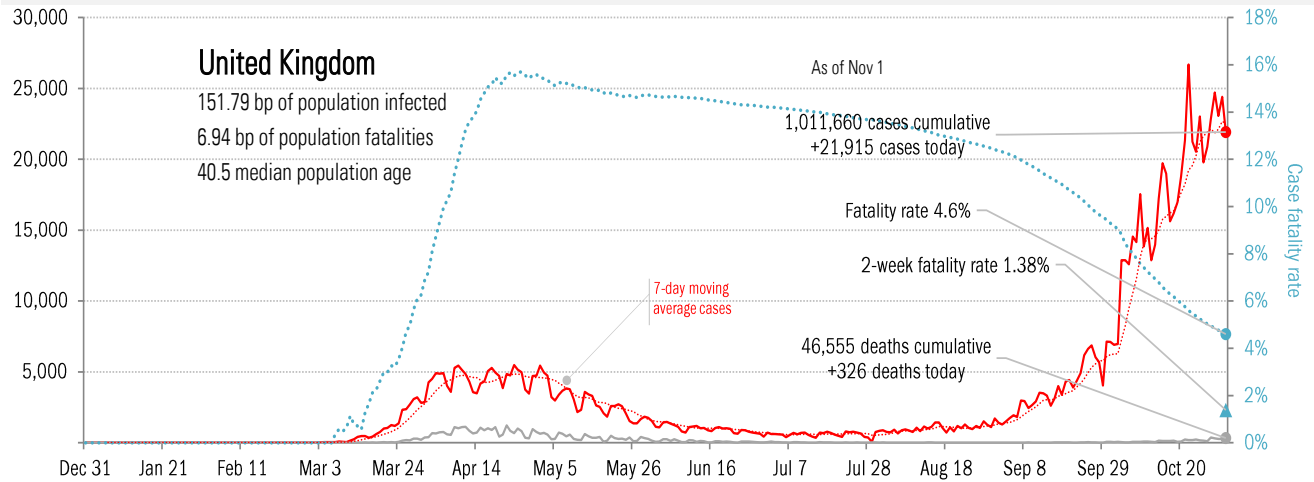
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



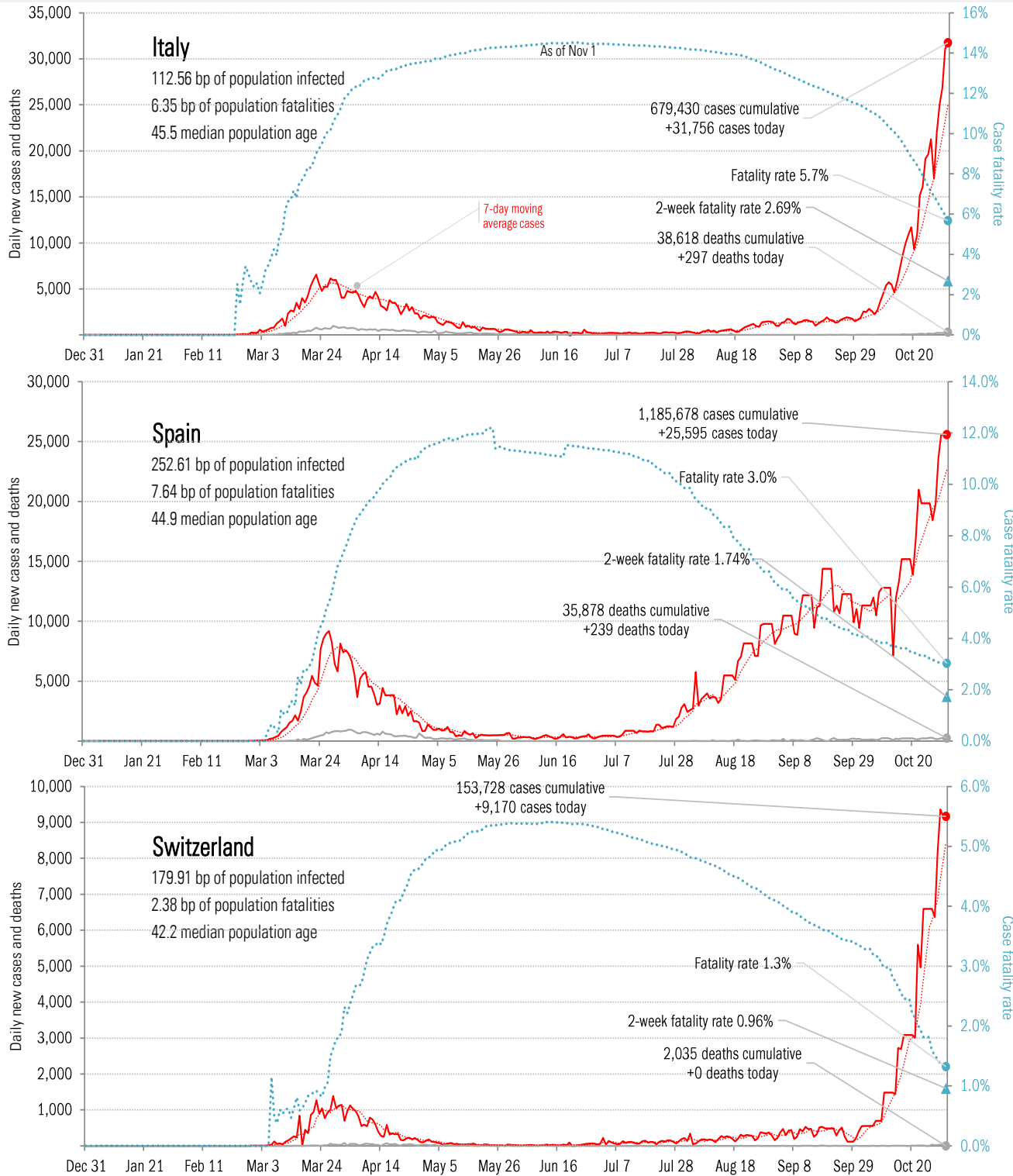
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



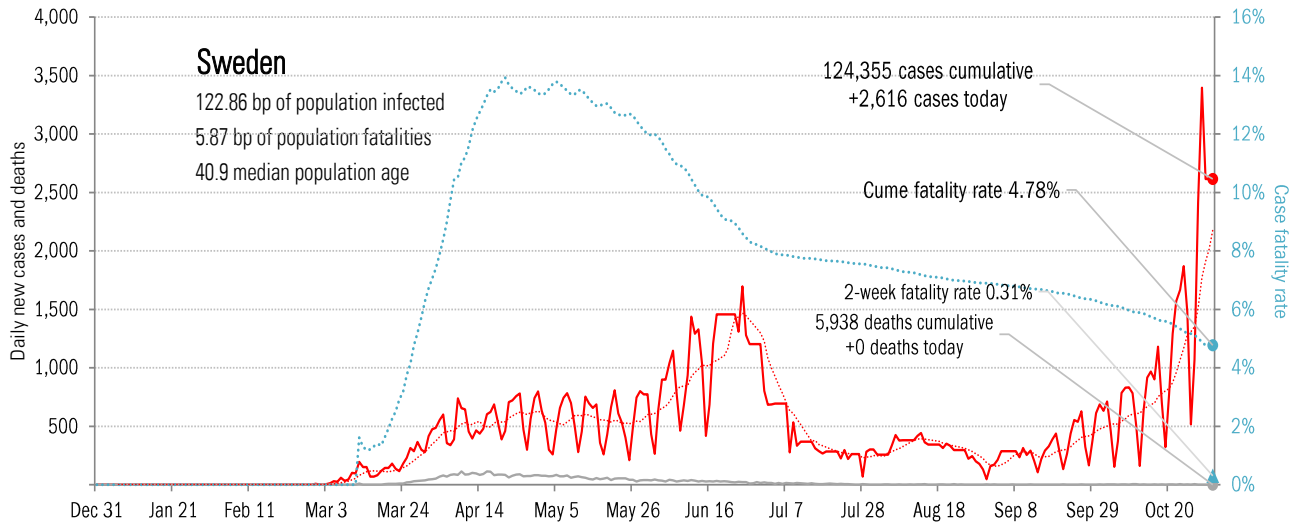
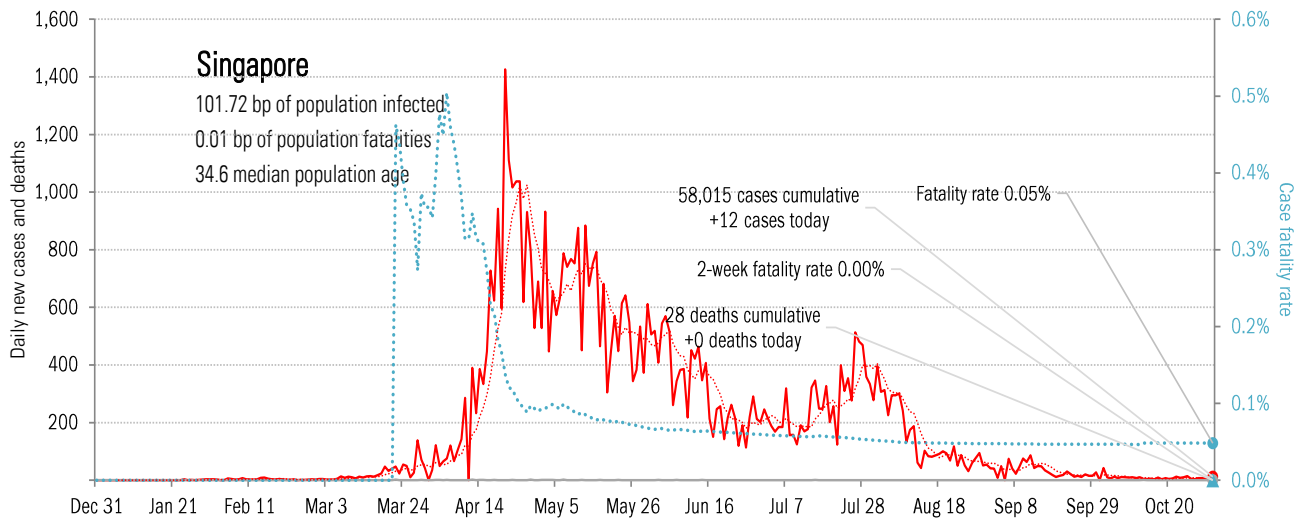
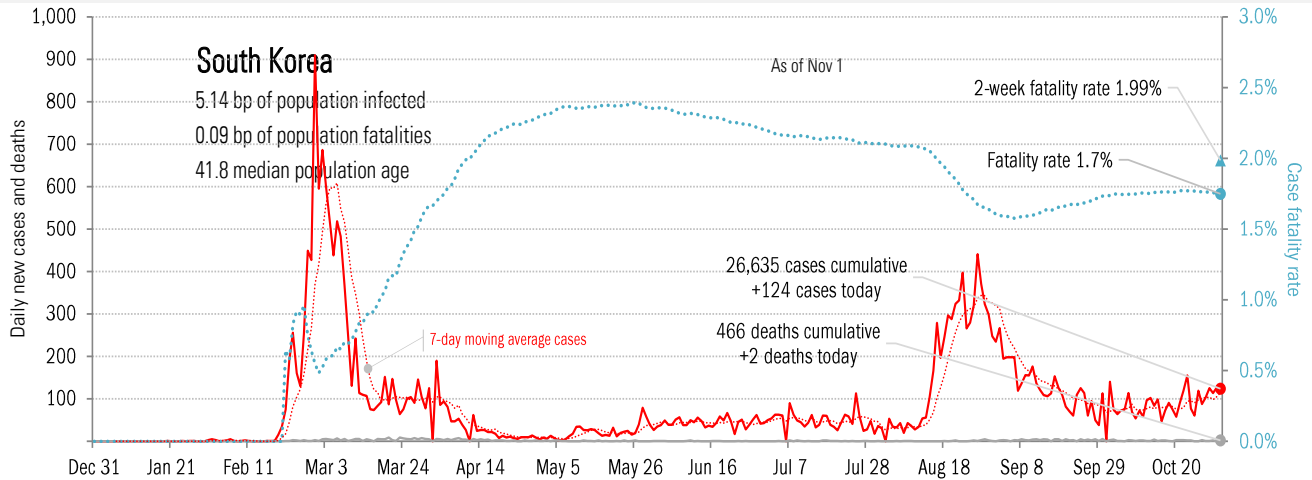
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



Source: [ECDC](#), TrendMacro calculations

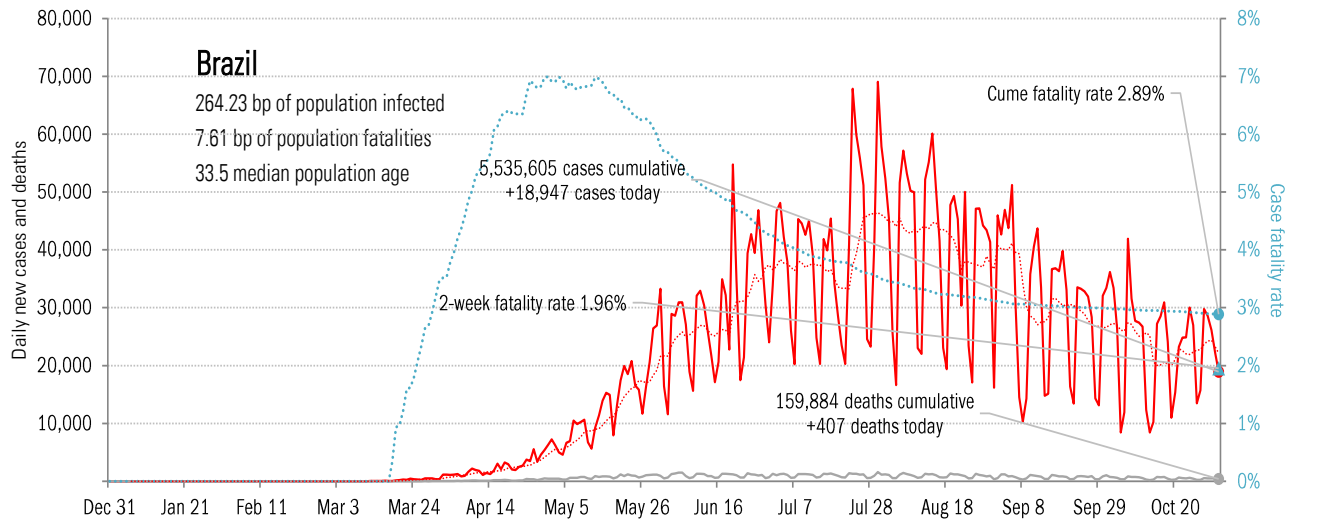
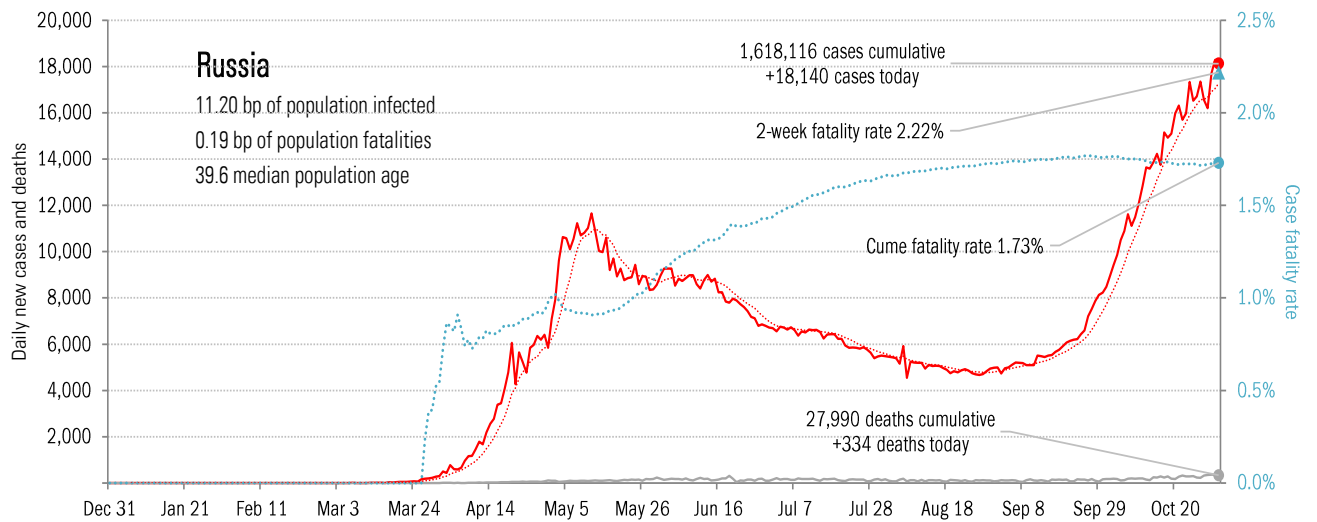
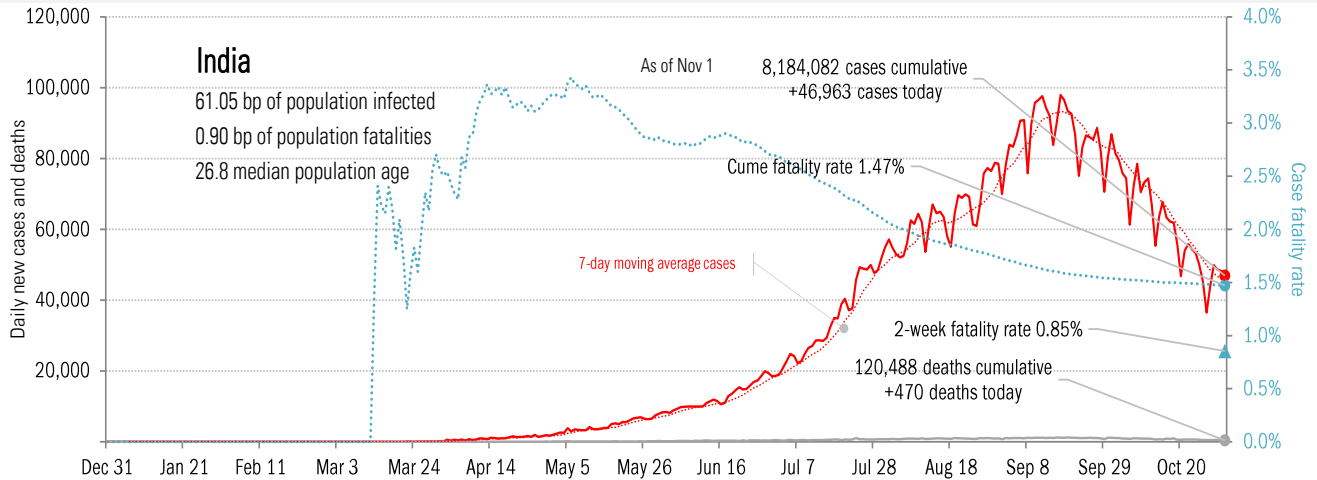
# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

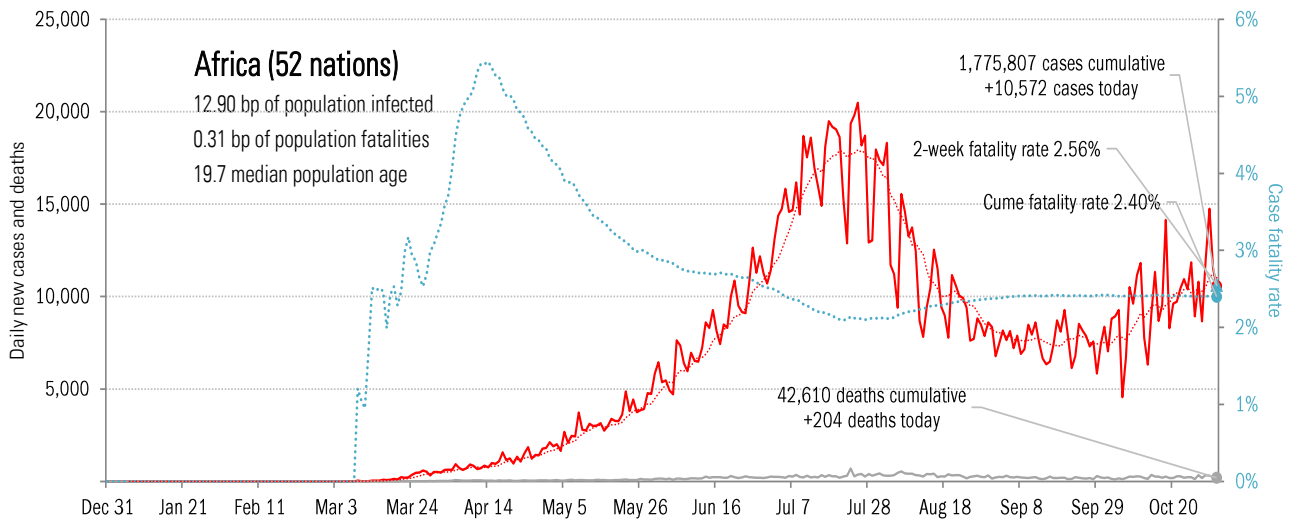
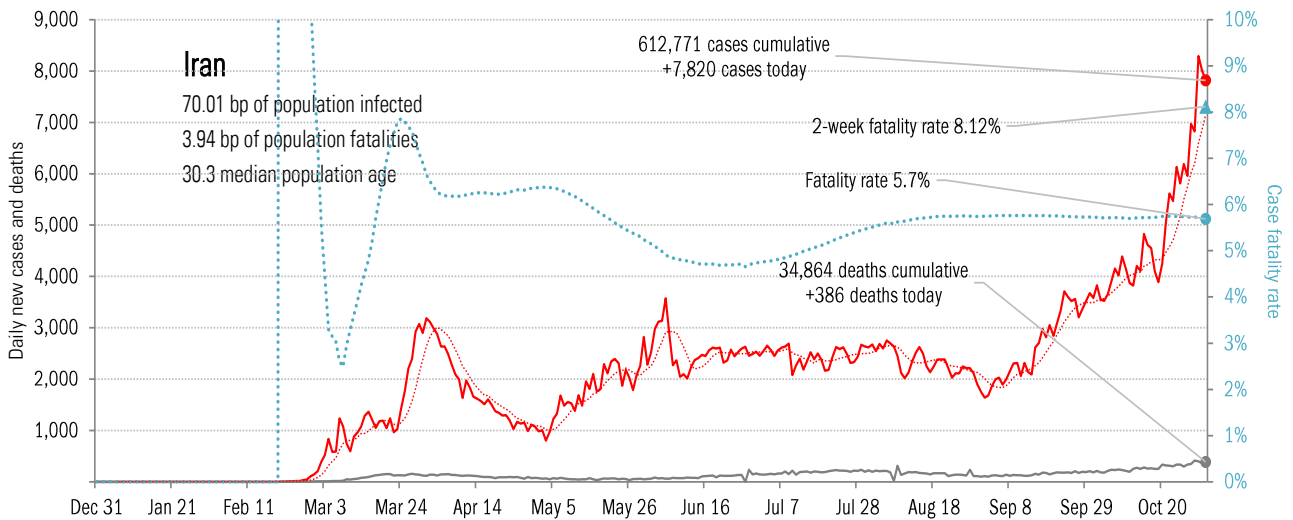
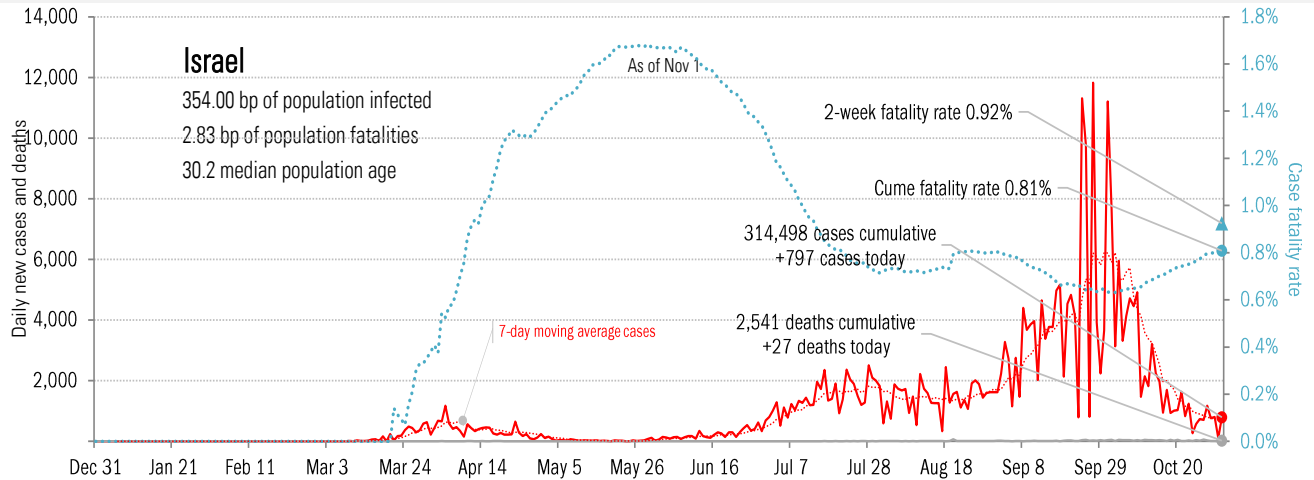


# Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations