

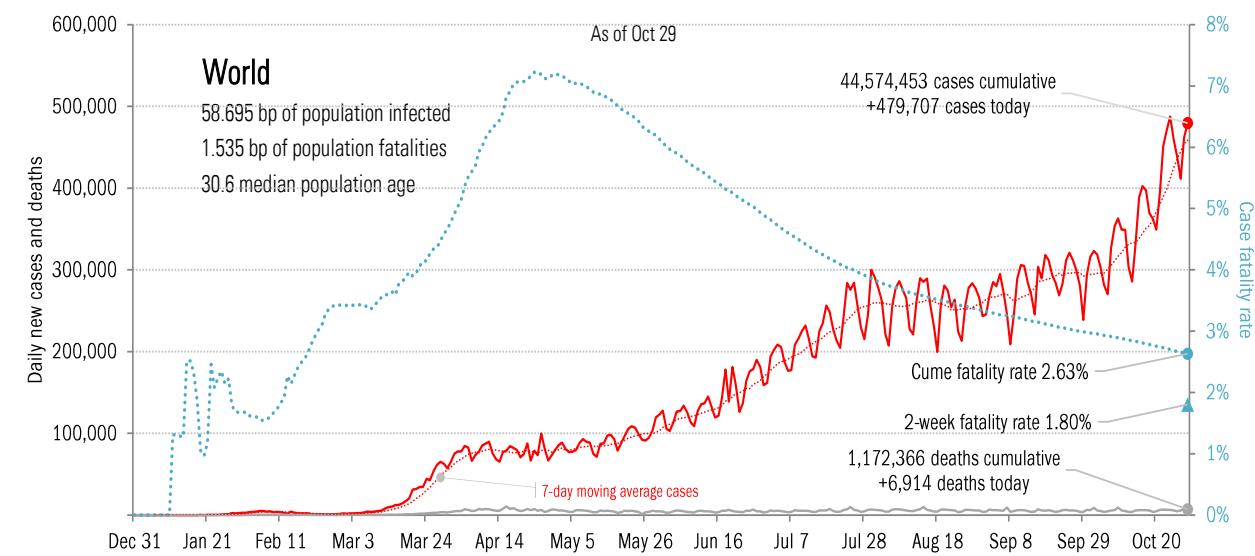
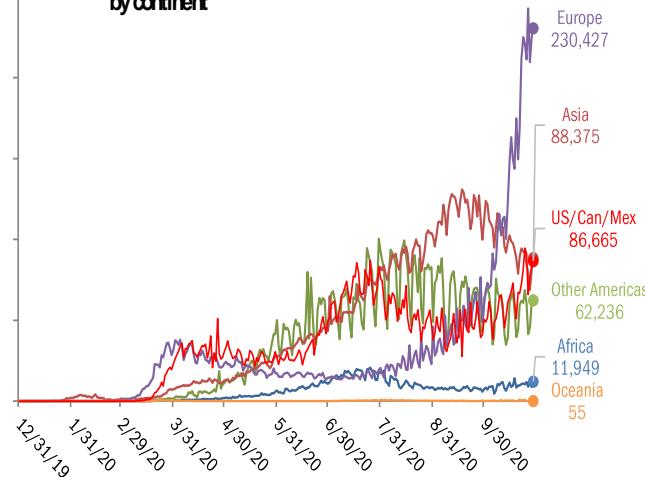
## Data Insights: Covid-2019 Monitor

Thursday, October 29, 2020

### The global scorecard

The worst ten countries			
New cases		New Deaths	
US	+78,371	US	+977
India	+49,881	India	+517
France	+36,437	Brazil	+510
Brazil	+28,629	Mexico	+495
Italy	+24,988	Iran	+415
UK	+24,700	Russia	+346
South_Sudan	+19,765	Argentina	+341
Poland	+18,820	UK	+310
Netherlands	+17,789	France	+244
Germany	+16,774	Poland	+236
	+316,154		+4,391
World	+479,707	World	+6,914
Top ten	66%	Top ten	64%

### New confirmed cases by continent



Source: [ECDC](#), TrendMacro calculations

### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

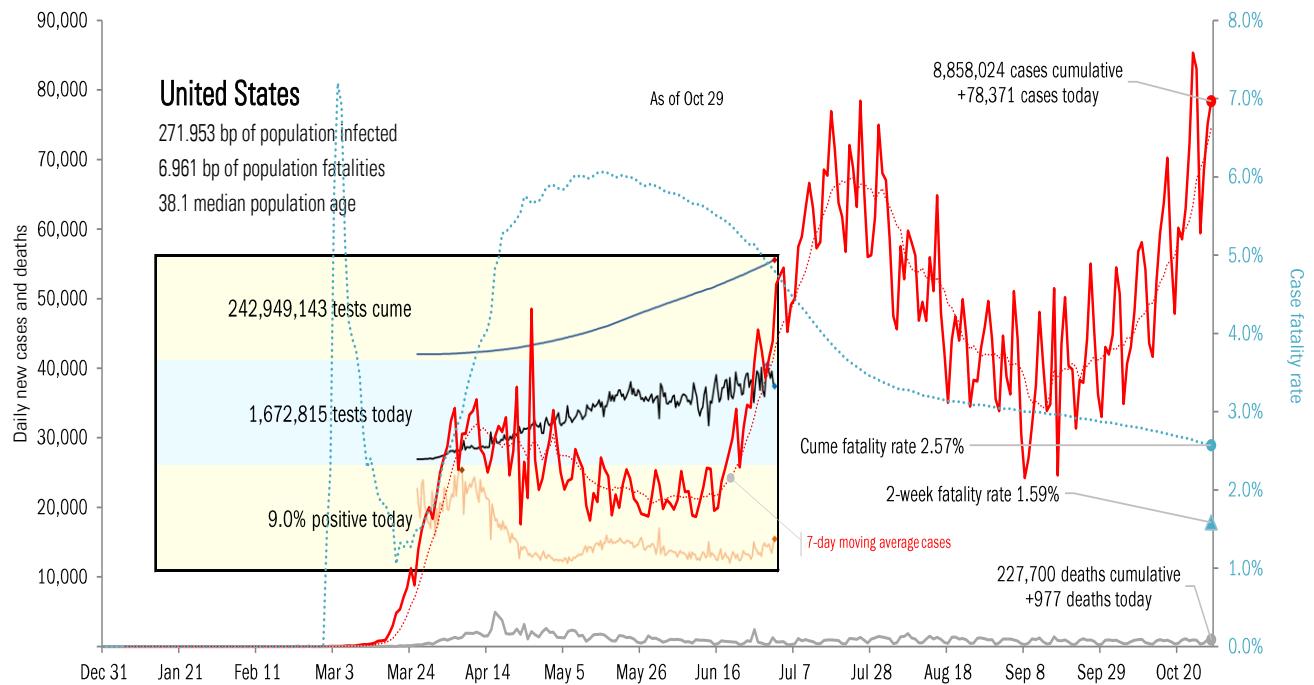
National and state-by-state data do not line up because of different sources

## The ten worst US states

New cases	New Deaths	New in hospital	Cumulative cases	Cumulative deaths	Cumulative in hospital
IL +6,110	TX +105	TX +138	CA 908,713	NY 25,773	NY 89,995
TX +5,627	CA +75	IL +103	TX 879,994	TX 17,700	FL 49,289
CA +4,515	FL +66	CH +80	FL 780,220	CA 17,475	NJ 37,485
WI +4,130	IL +51	KS +70	NY 500,677	FL 16,775	GA 31,370
FL +4,005	WI +48	SC +64	IL 393,808	NJ 16,324	AZ 21,247
MI +3,590	MA +36	CO +57	GA 355,025	MA 9,924	VA 20,854
KS +3,369	NC +34	WI +54	NC 266,136	IL 9,889	AL 20,116
CH +2,607	SC +34	NJ +53	TN 254,220	PA 8,718	CH 18,606
IN +2,548	TN +34	MO +39	AZ 241,165	GA 7,876	MD 16,910
TN +2,446	IN +33	PR +39	NJ 232,997	MI 7,606	IN 16,273
+38,947	+516	+697	4,812,955	138,060	322,145
All states	+78,661	All states	+1,025	All states	+833
Top ten	50%	Top ten	50%	Top ten	84%
				All states	219,374
				Top ten	63%
				All states	468,287
				Top ten	69%
				Some states not reporting	

## Five most improved US states

Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most recoveries
TX -1,665	WI -23	TN -136	AL +12
WI -1,371	IN -18	GA -127	AR +6
CO -778	MI -12	TX -96	KS +5
PA -523	TN -10	IN -61	UT +2
PR -272	OK -9	VA -46	AK +0



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

## Recommended reading

### [Macron Puts France in Lockdown as Virus Sick Swamp Hospitals](#)

Rudy Ruitenberg  
*Bloomberg*  
October 28, 2020

### [How deadly is covid-19?](#)

Sebastian Rushworth  
*Sebastian Rushworth*  
October 24, 2020

### [Germany imposes fresh curbs in push to slow Covid-19 spread](#)

Michael Peel, Guy Chazan and Erika Solomon  
*Financial Times*  
October 28, 2020

### [Vitamin D Status in Hospitalized Patients With SARS-CoV-2 Infection](#)

José L Hernández et al.  
*Journal of Clinical Endocrinology & Metabolism*  
October 27, 2020

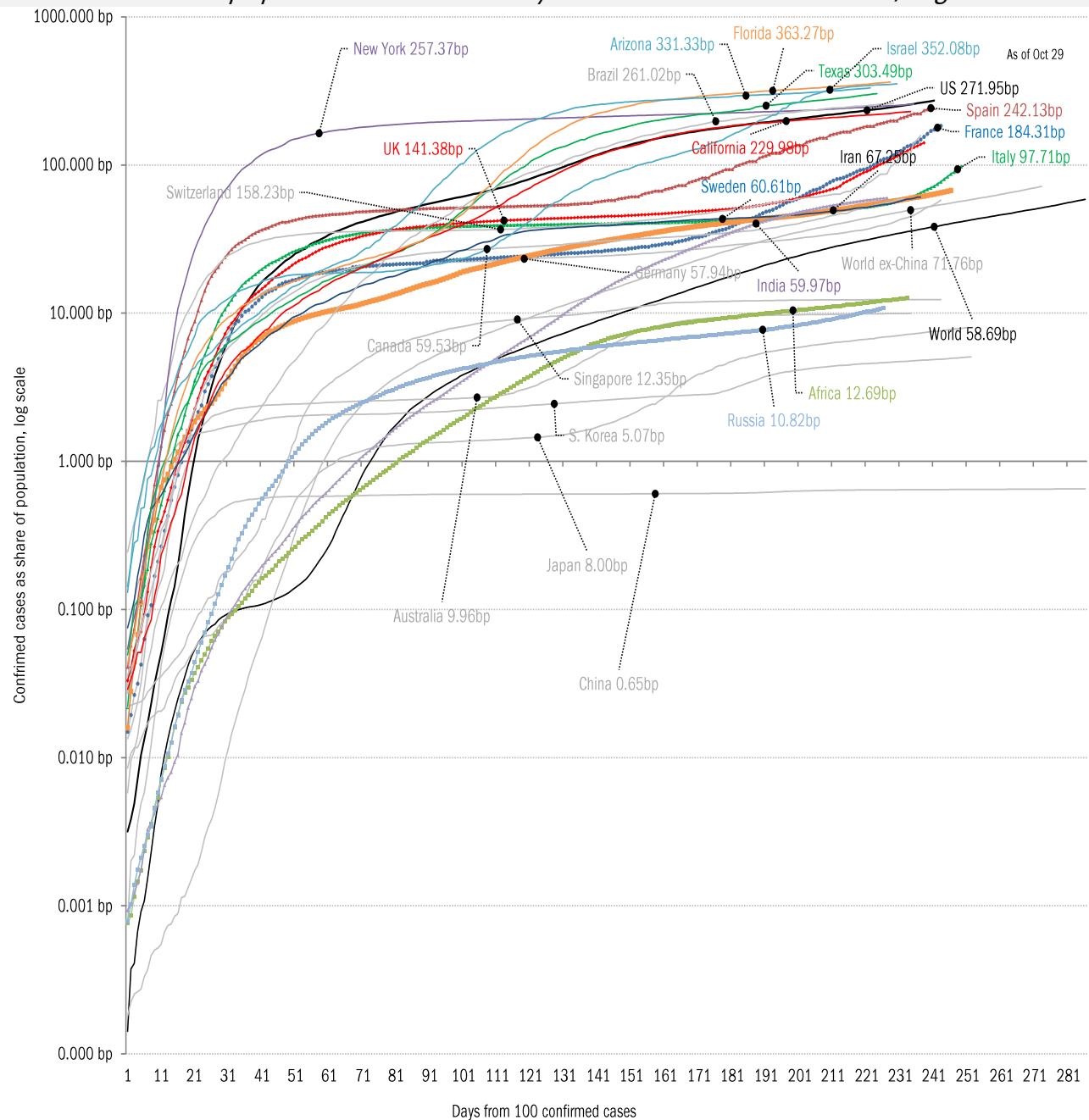
## Meme of day



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

# The coronavirus case accelerometer... tracking the world's infection curves

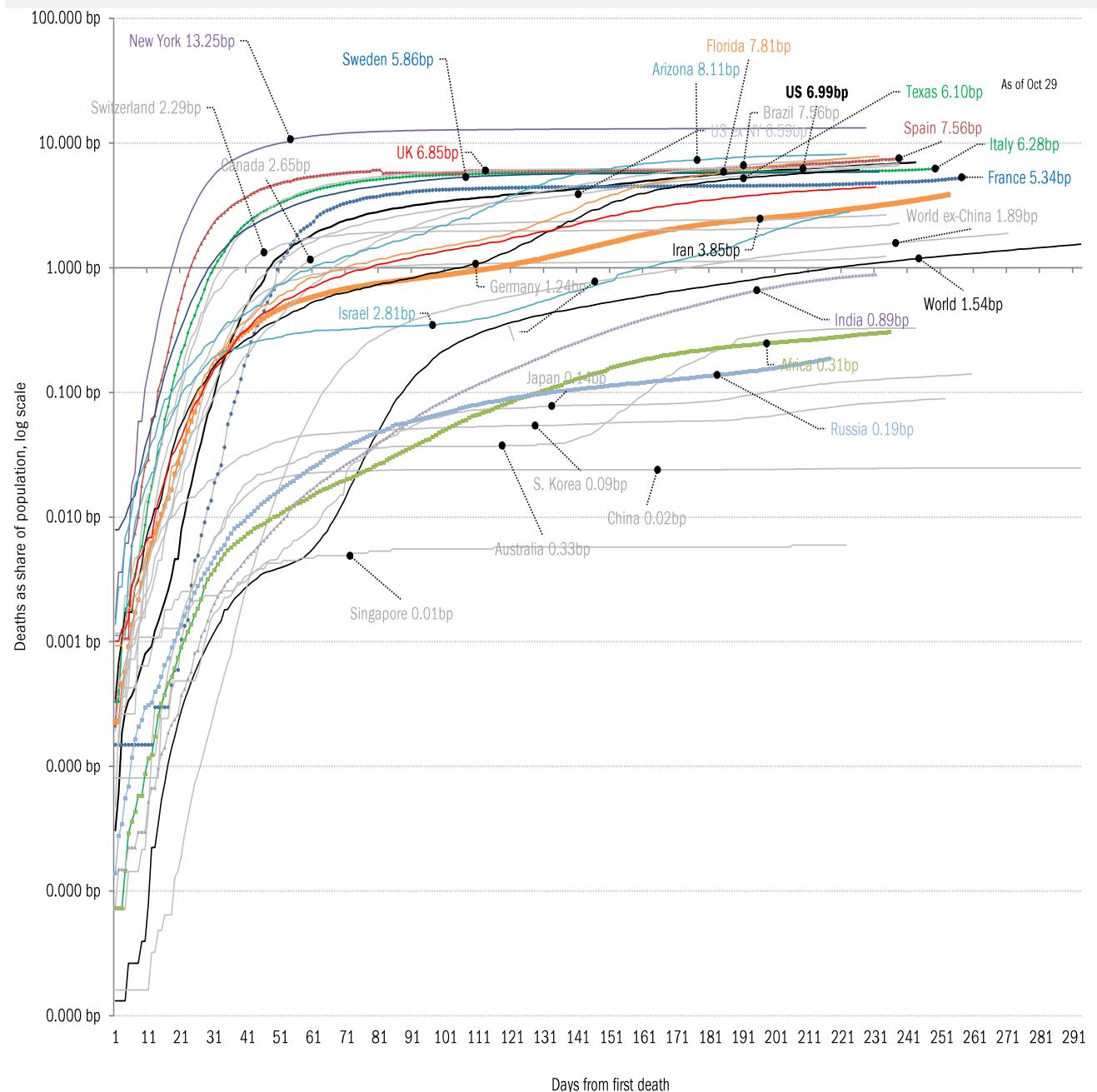
## *Share of infected population from first day with 100 confirmed cases, log scale*



Source: [ECDC](#), TrendMacro calculations

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

## *Share of deceased population from day of first fatality*

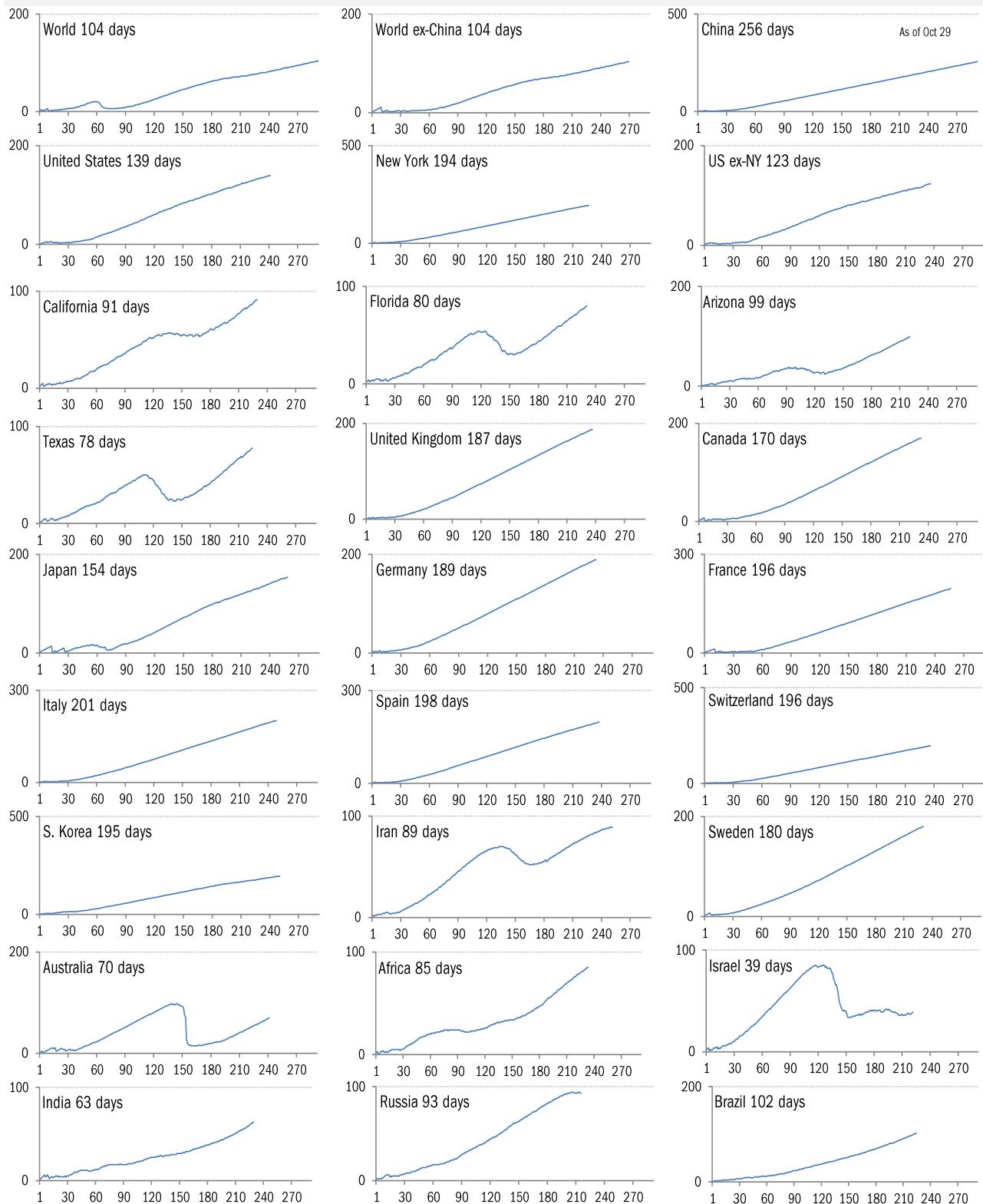


Source: [ECDC](#), TrendMacro calculations

## 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

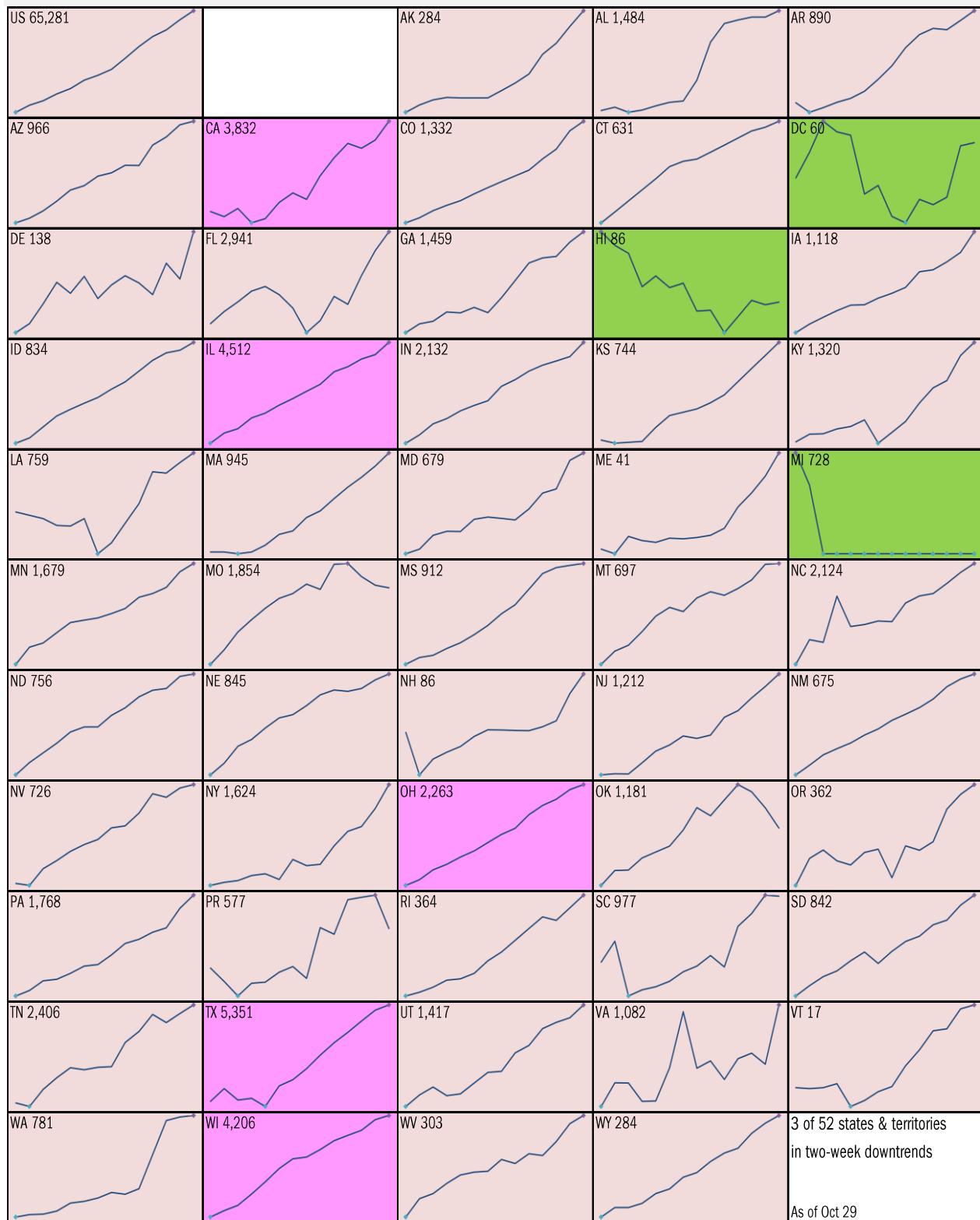


Source: [ECDC](#), TrendMacro calculations

## Requirement to [Open Up America Again](#): 14-day “downward trajectory” in new cases

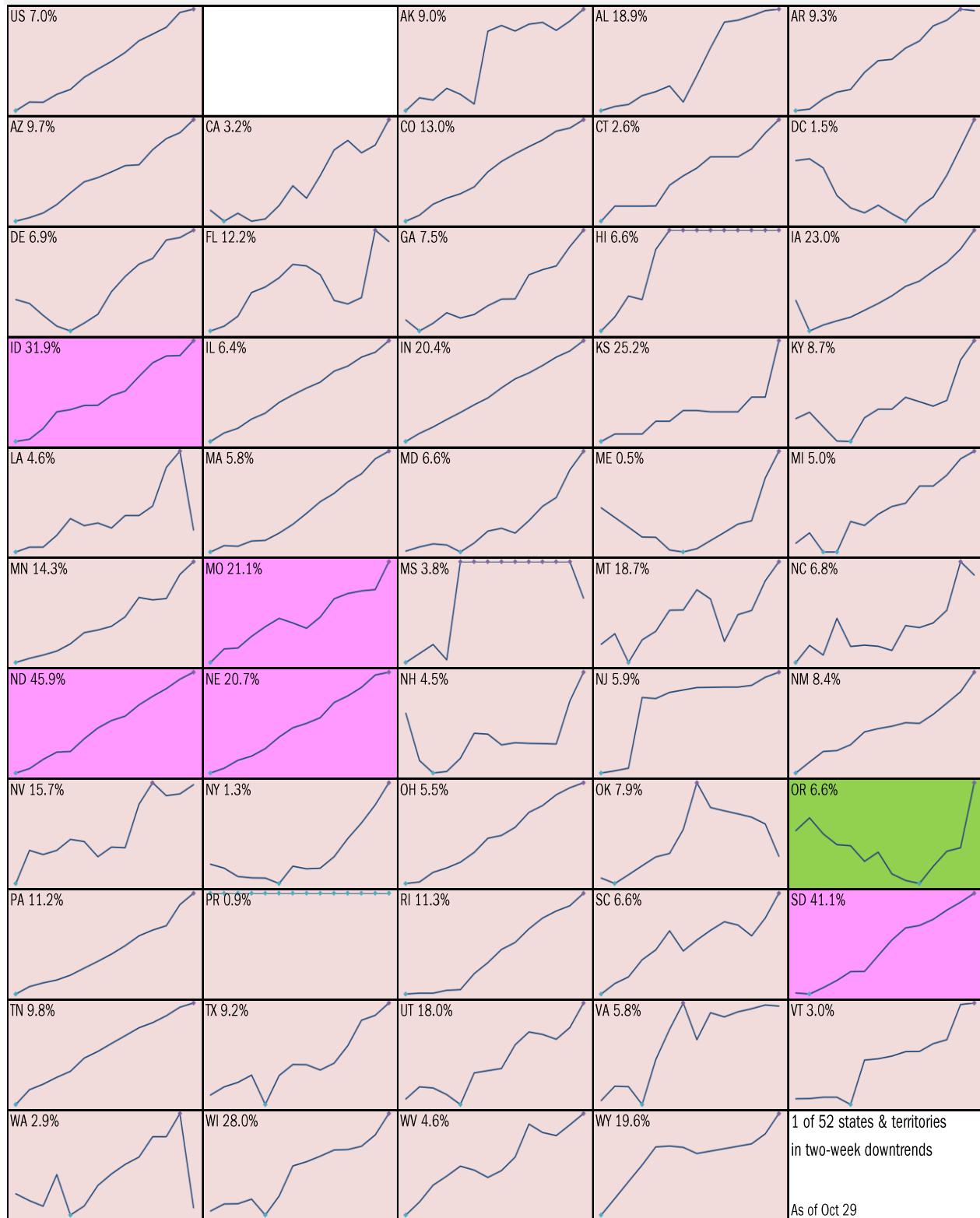
14-day moving average, last 14 days Most recent value displayed • High ● Low

■ 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



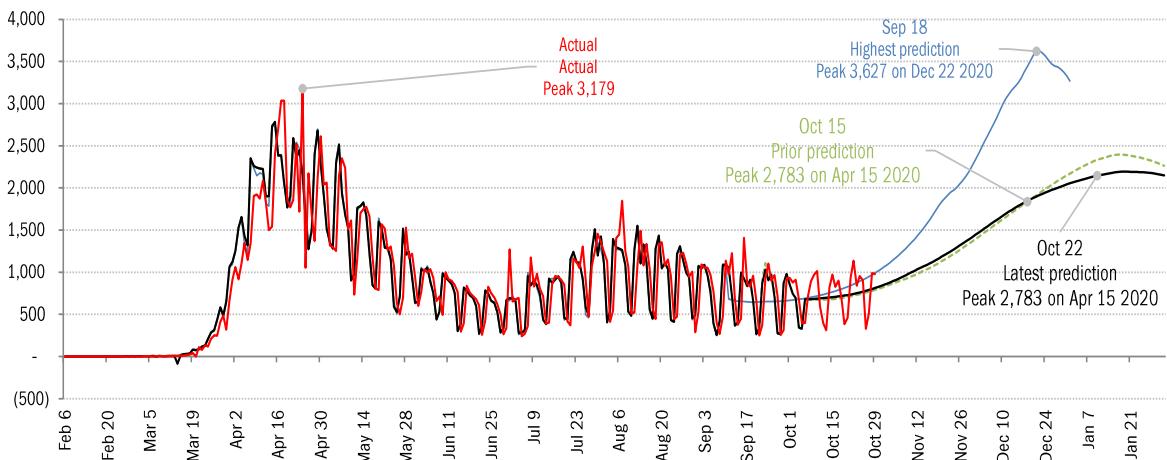
Source: [Covid Tracking Project](#), TrendMacro calculations

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

### New daily fatalities

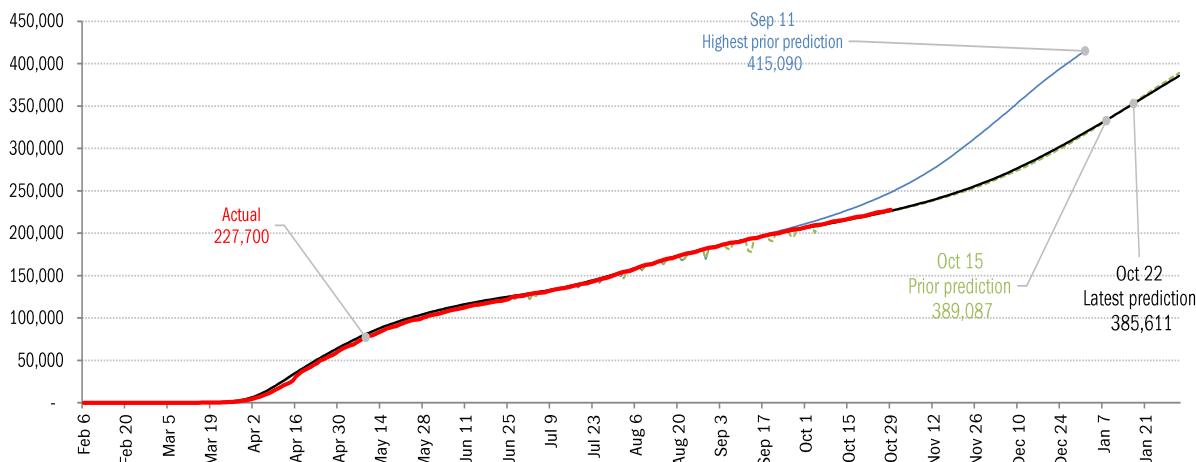
Actual versus first, highest, lowest and latest model mean predictions

As of Oct 29

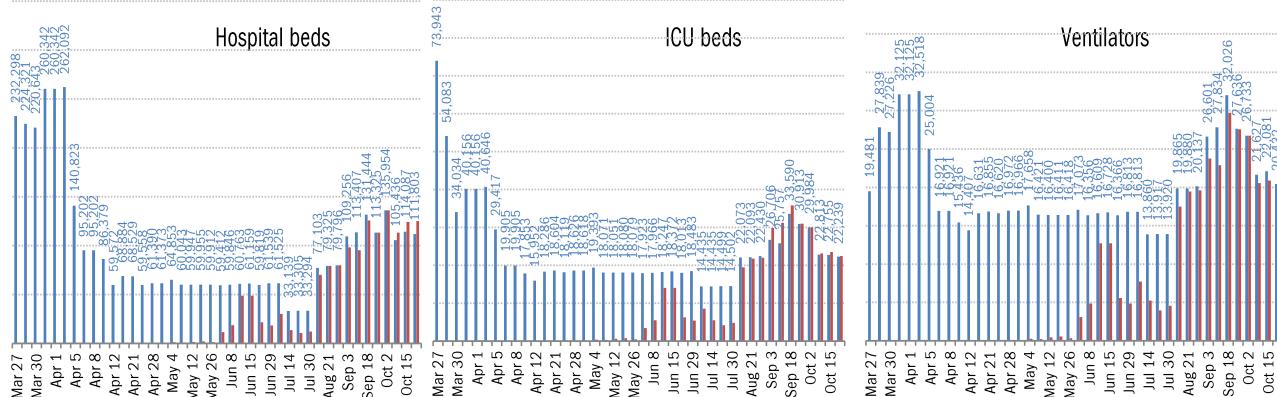


### Cumulative fatalities

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

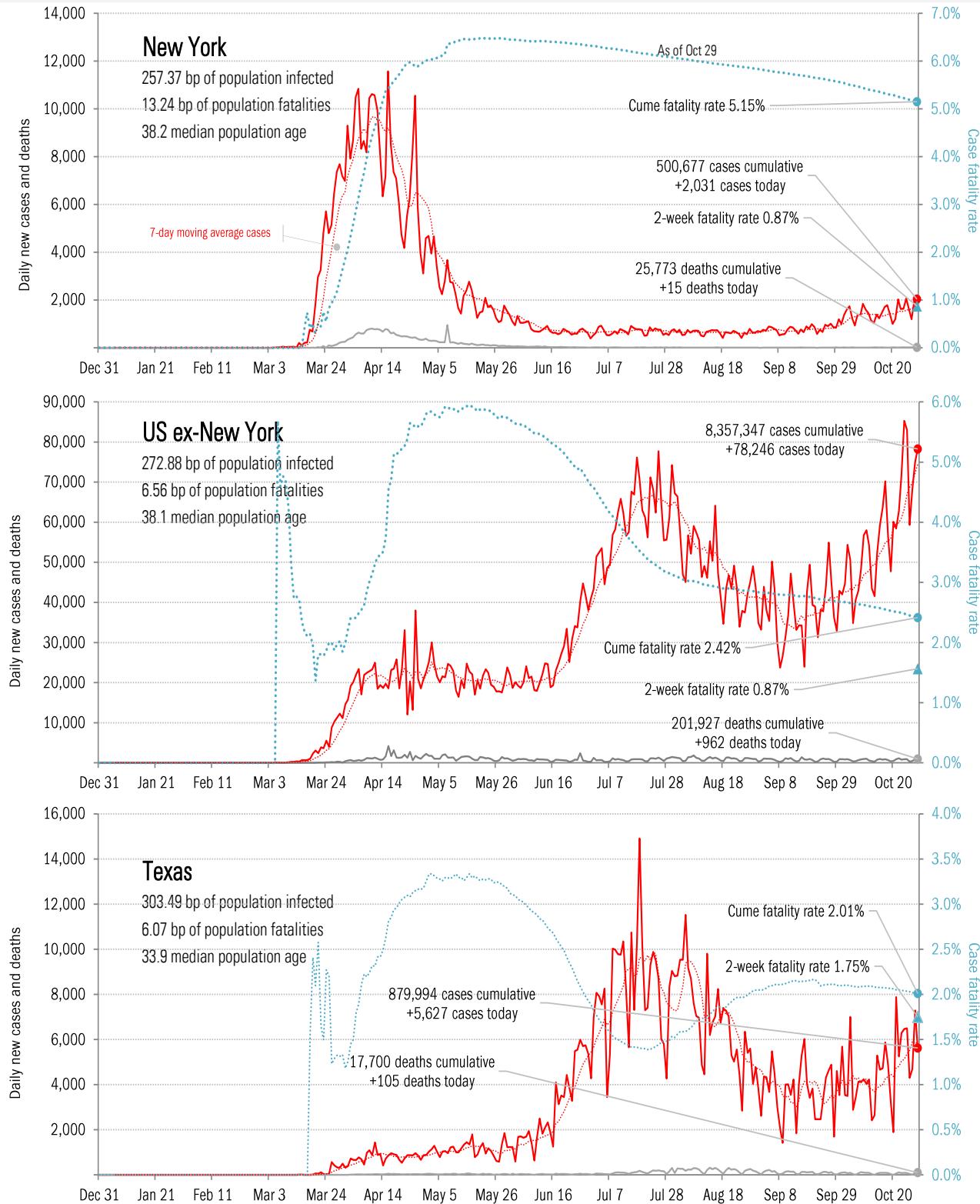


### Healthcare system stress, peak and ultimate estimated at each model revision



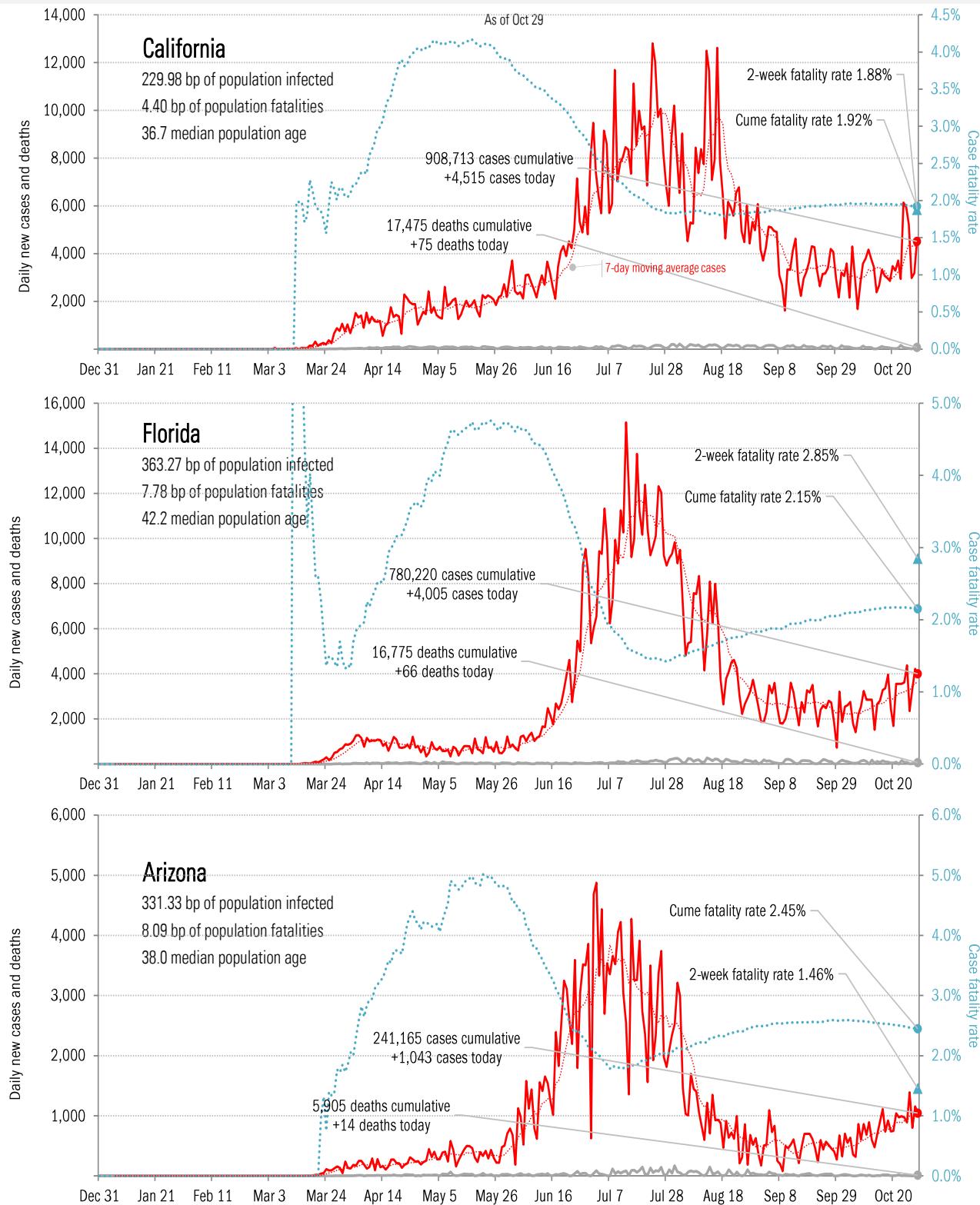
Source: [ECDC](#), [IHME](#), TrendMacro calculations

## From Ground Zero to the Rio Grande



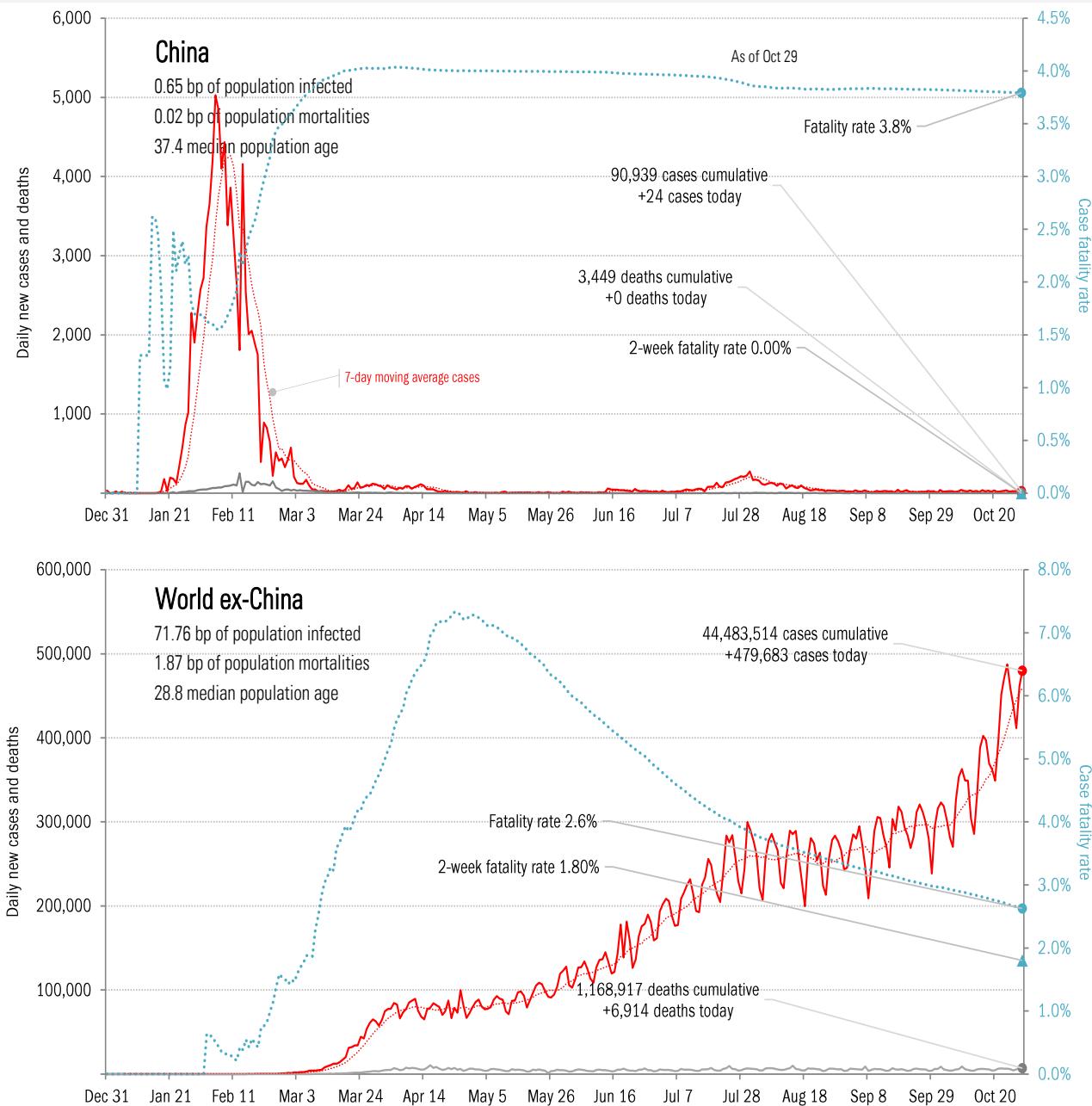
Source: [ECDC](#), TrendMacro calculations

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



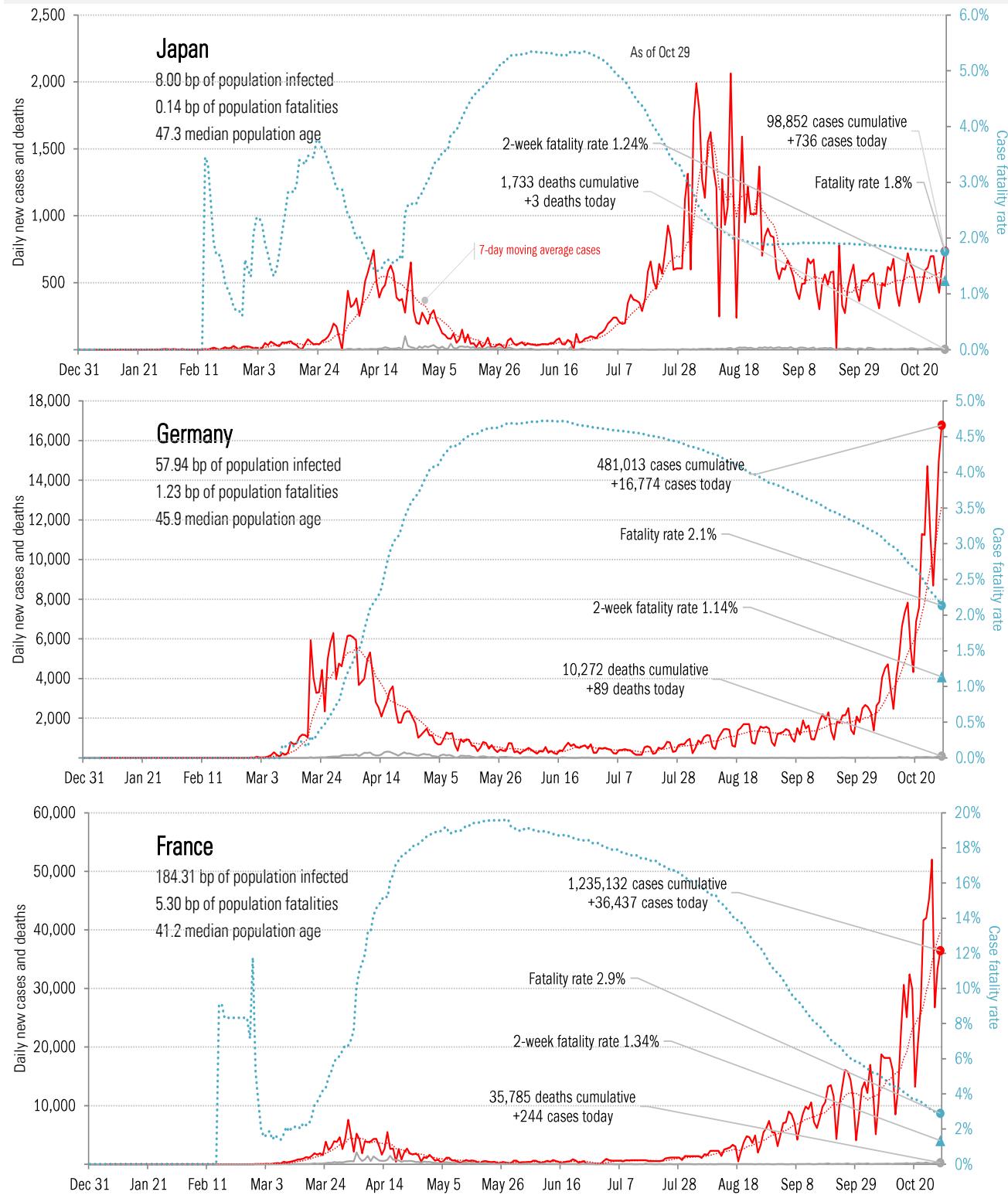
Source: [ECDC](#), TrendMacro calculations

## Patient zero... and then everyone else



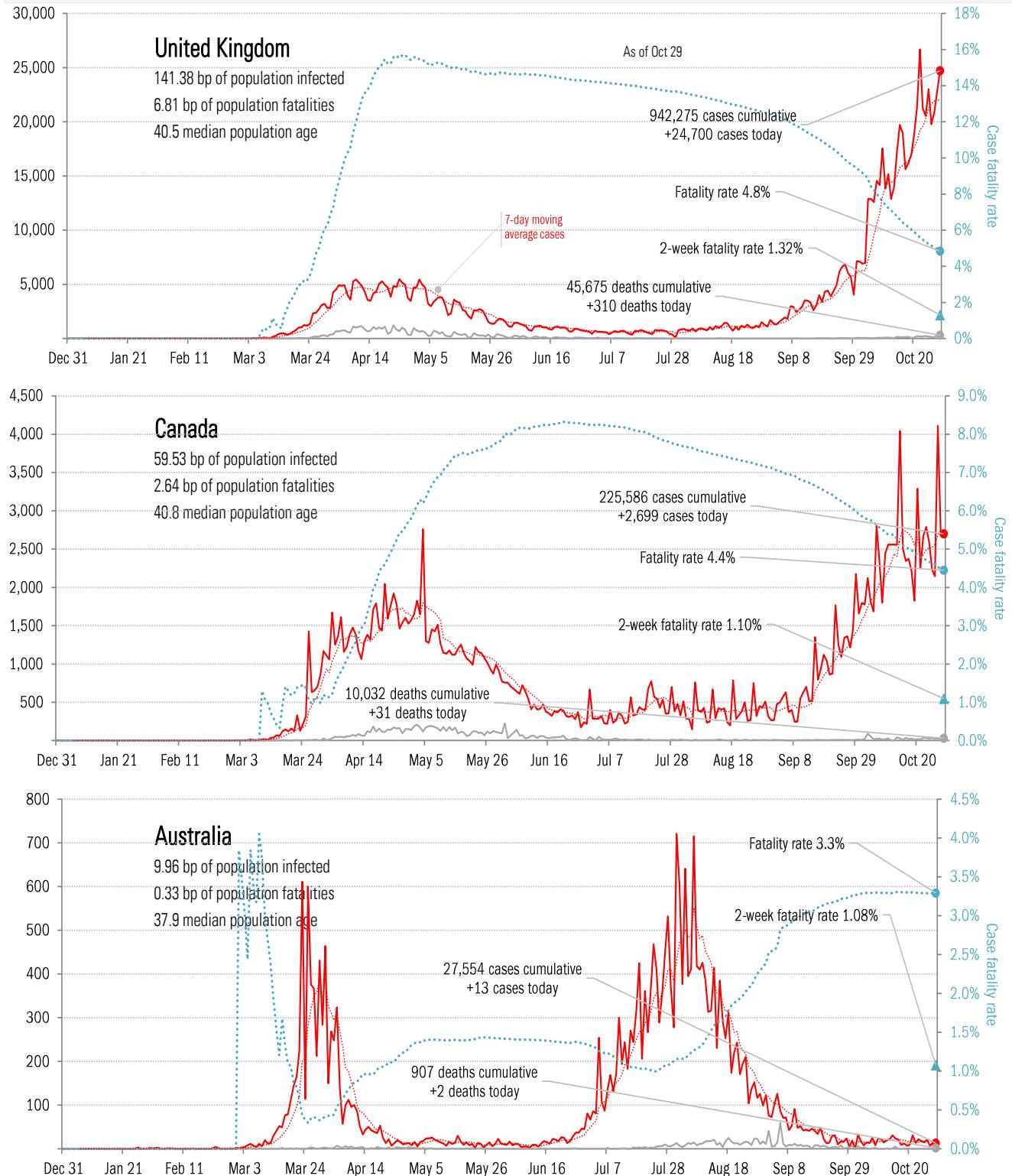
Source: [ECDC](#), TrendMacro calculations

## Impact in the largest economies



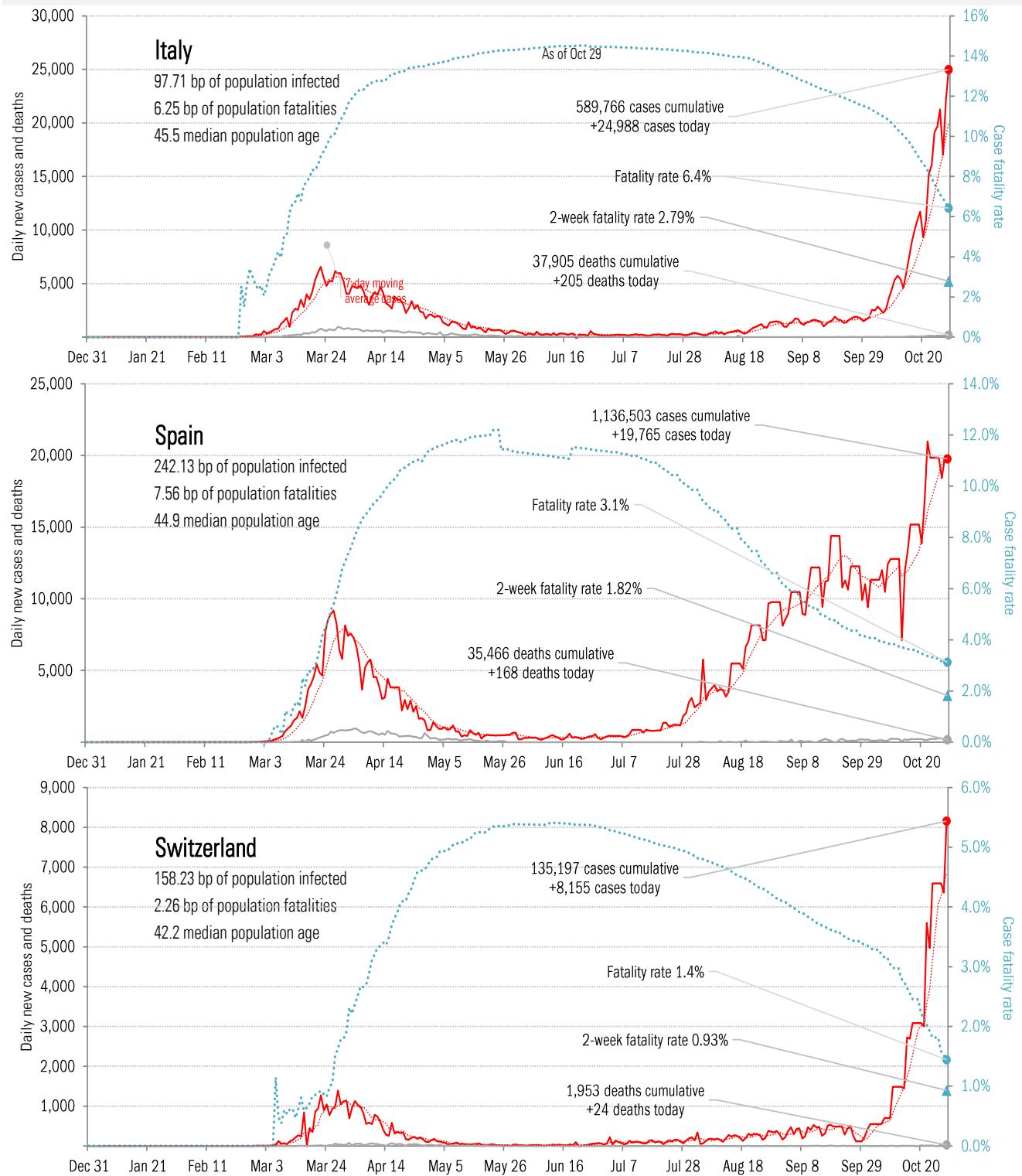
Source: [ECDC](#), TrendMacro calculations

## Impact in The Anglosphere



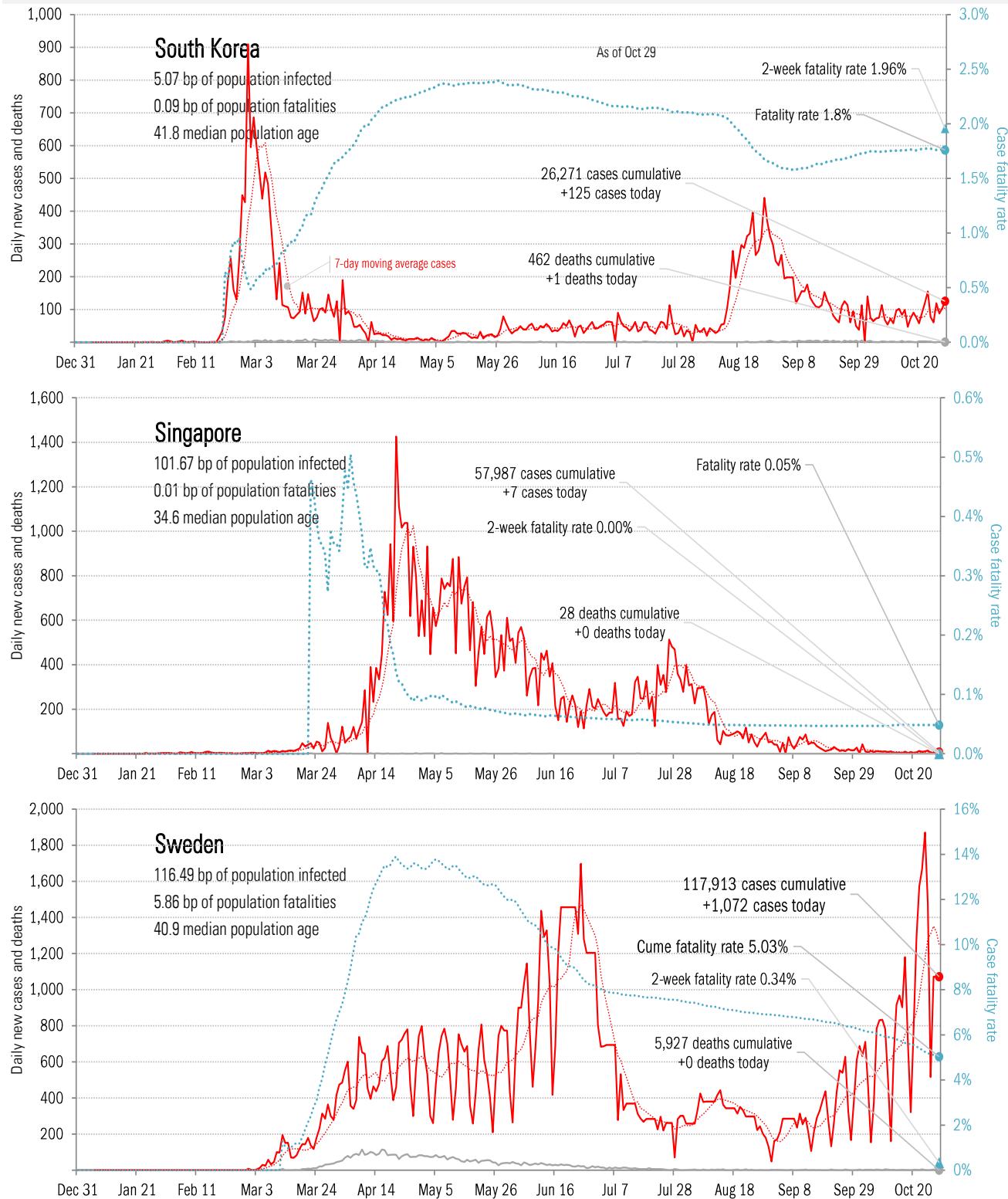
Source: [ECDC](#), TrendMacro calculations

## Impact in continental Europe



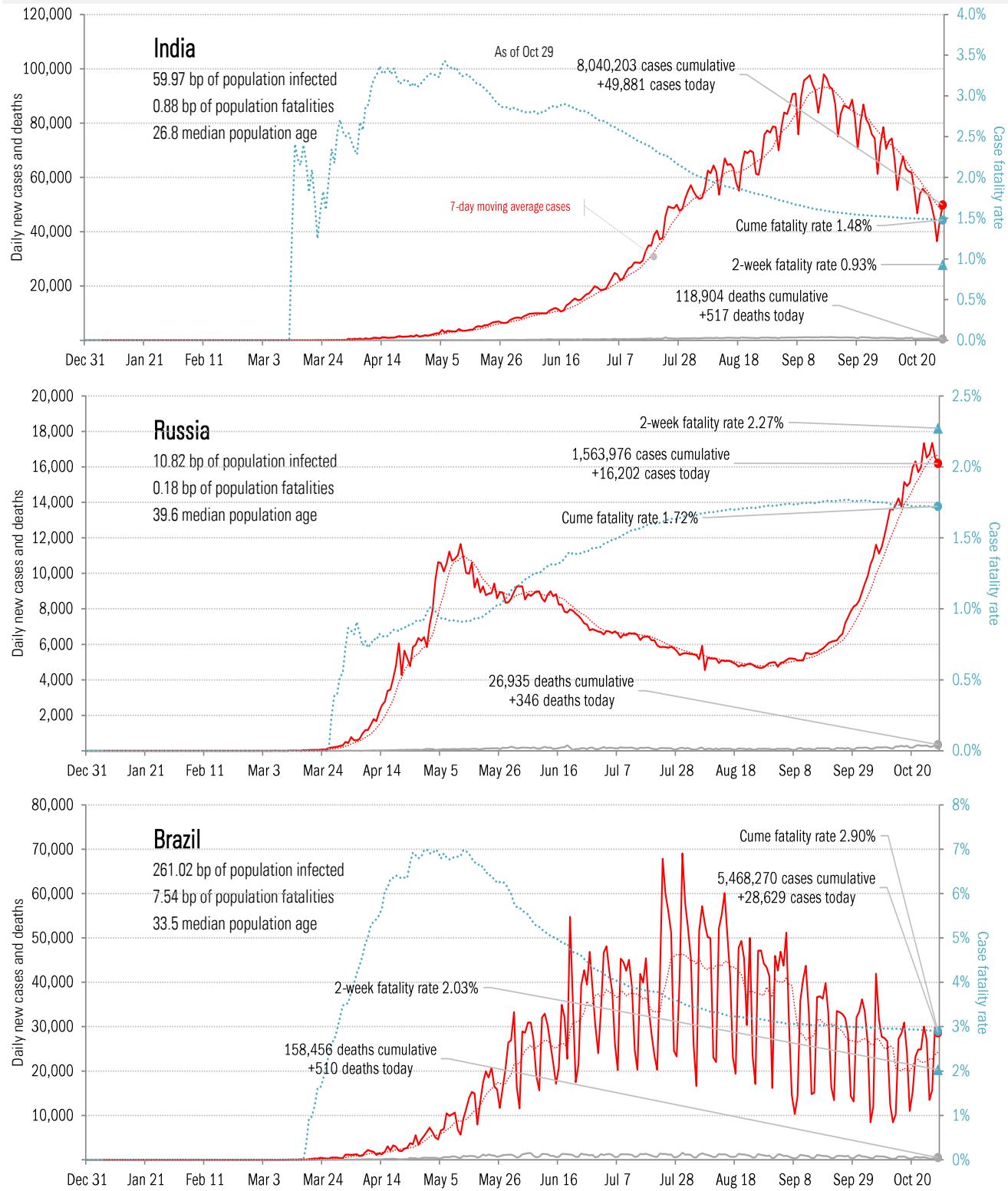
Source: [ECDC](#), TrendMacro calculations

## Impact in other hot-spots



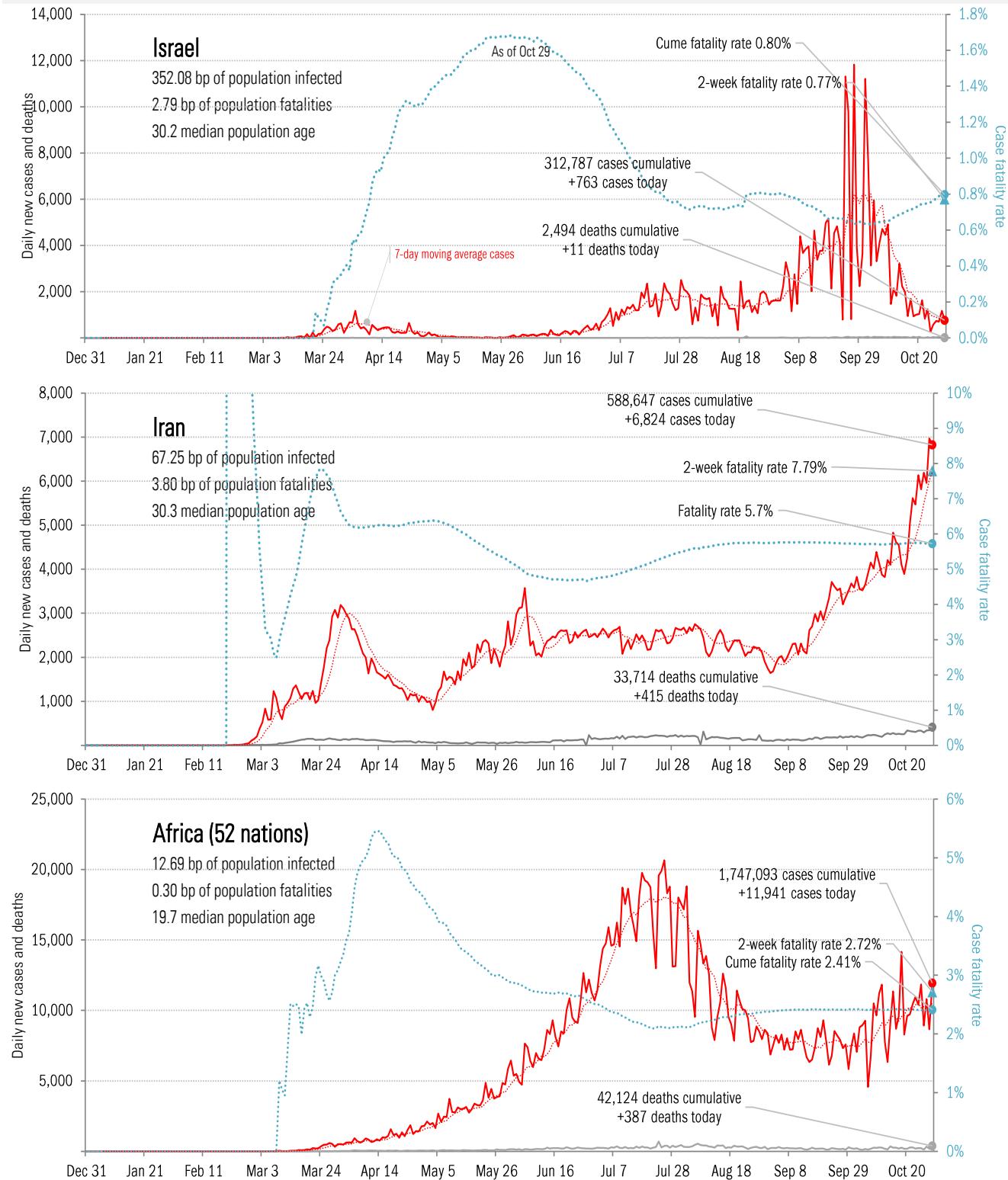
Source: [ECDC](#), TrendMacro calculations

## Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

## Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations