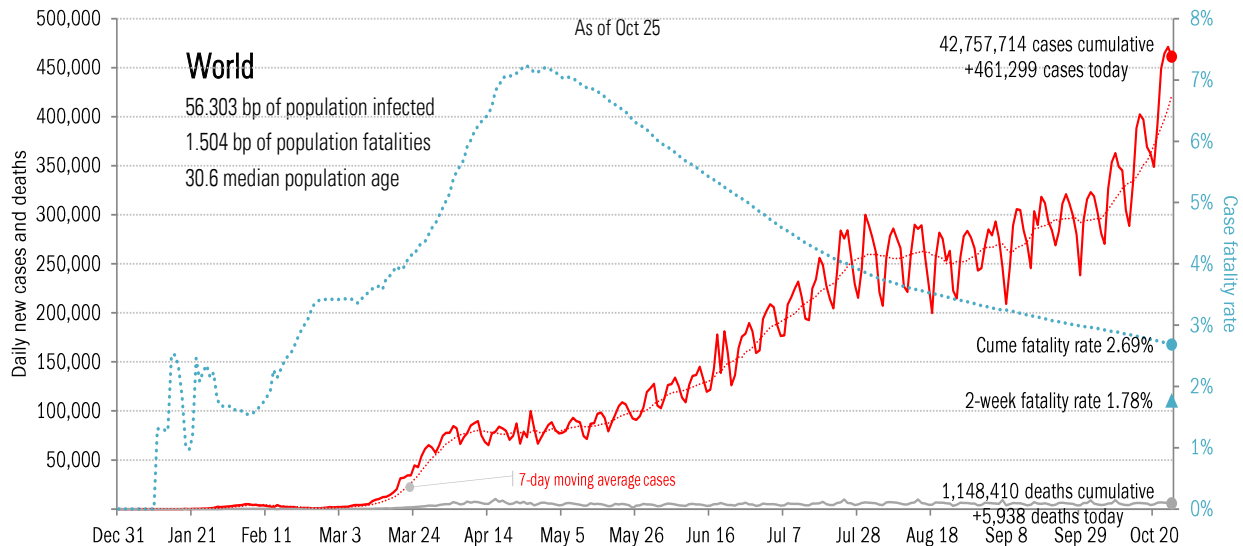
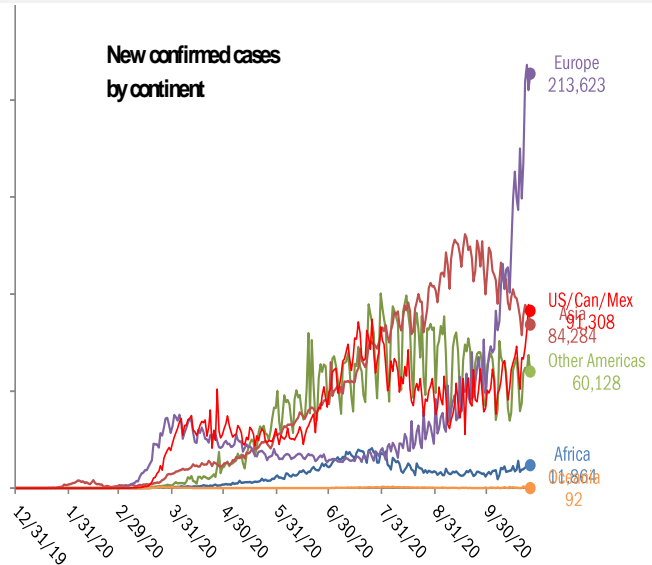


## Data Insights: Covid-2019 Monitor

Sunday, October 25, 2020

### The global scorecard

The worst ten countries			
New cases		New Deaths	
US	+83,056	US	+904
India	+50,129	India	+578
France	+45,422	Russia	+525
Russia	+33,231	Brazil	+432
Brazil	+26,979	Mexico	+431
UK	+23,012	Iran	+335
Spain	+19,851	Argentina	+275
Italy	+19,640	Colombia	+198
Poland	+13,628	Poland	+179
Czechia	+12,474	UK	+174
<b>+327,422</b>		<b>+4,031</b>	
World	+461,299	World	+5,938
Top ten	71%	Top ten	68%



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

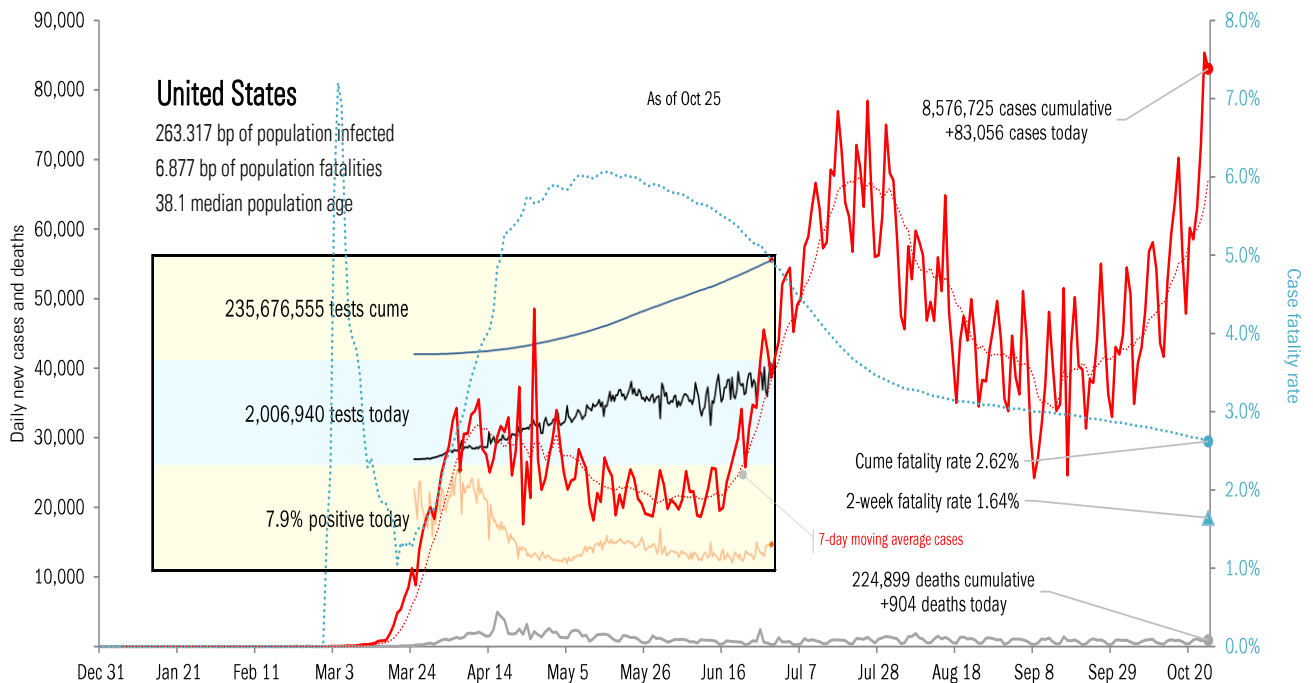
## The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
TX	+6,499	MO	+113	IN	+137	CA	892,810	NY	25,718	NY	89,995
IL	+6,161	TX	+81	IL	+118	TX	858,071	TX	17,456	FL	48,684
CA	+5,945	FL	+76	MO	+94	FL	776,251	CA	17,311	NJ	37,262
WI	+4,673	IL	+63	ID	+66	NY	493,832	FL	16,620	GA	31,046
FL	+4,471	CA	+49	FL	+48	IL	374,907	NJ	16,281	AZ	21,043
MI	+3,490	GA	+42	NE	+37	GA	349,605	MA	9,839	VA	20,434
MO	+2,918	VA	+39	AL	+32	NC	258,292	IL	9,751	AL	19,595
CH	+2,858	MI	+38	SC	+25	TN	244,087	PA	8,654	CH	18,006
IN	+2,741	NC	+30	NY	+22	AZ	236,772	GA	7,808	MD	16,705
NC	+2,584	PA	+29	KY	+21	NJ	227,339	MI	7,522	IN	15,627
<hr/>		<hr/>		<hr/>		<hr/>		<hr/>		<hr/>	
+42,340		+560		+600		4,711,966		136,960		318,397	
All states	+82,668	All states	+885	All states	+397	All states	8,531,899	All states	216,646	All states	460,467
Top ten	51%	Top ten	63%	Top ten	151%	Top ten	55%	Top ten	63%	Top ten	69%

*Some states not reporting*

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
KS	-1,774	TN	-41	TX	-204	AL	+9
FR	-1,651	CA	-24	GA	-99	UT	+2
AL	-1,492	KS	-23	CK	-78	AR	+1
TN	-1,032	LA	-21	KS	-74	AK	+0
LA	-699	WI	-20	MA	-68	AS	+0



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

## Recommended reading

### [Epidemiologists Stray From the Covid Herd](#)

Tunku Varadarajan  
*Wall Street Journal*  
October 23, 2020

## Meme of day

Politics

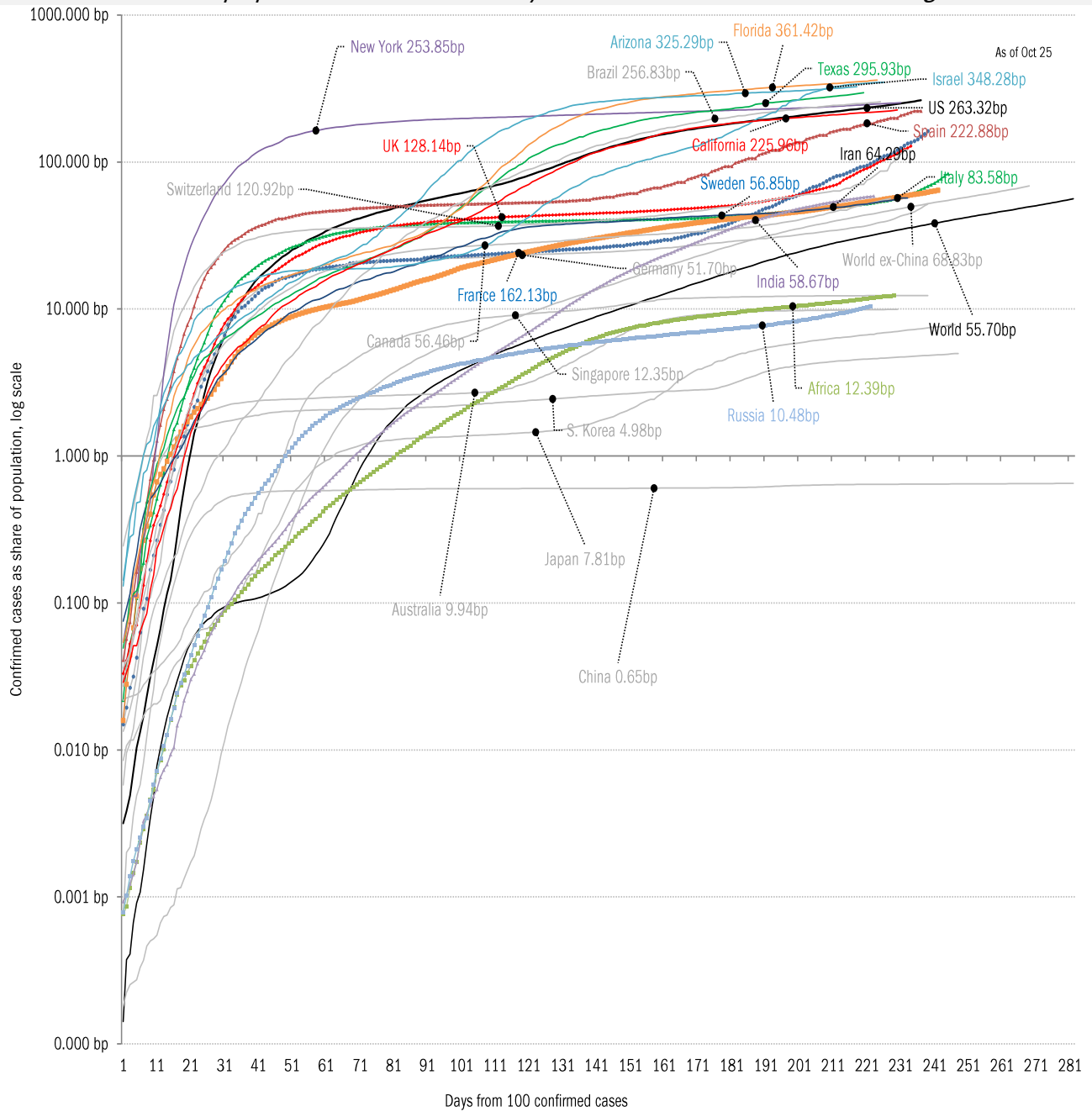
# Health Experts Now Recommend Maximizing Social Distance By Attending A Biden Rally

October 19th, 2020



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

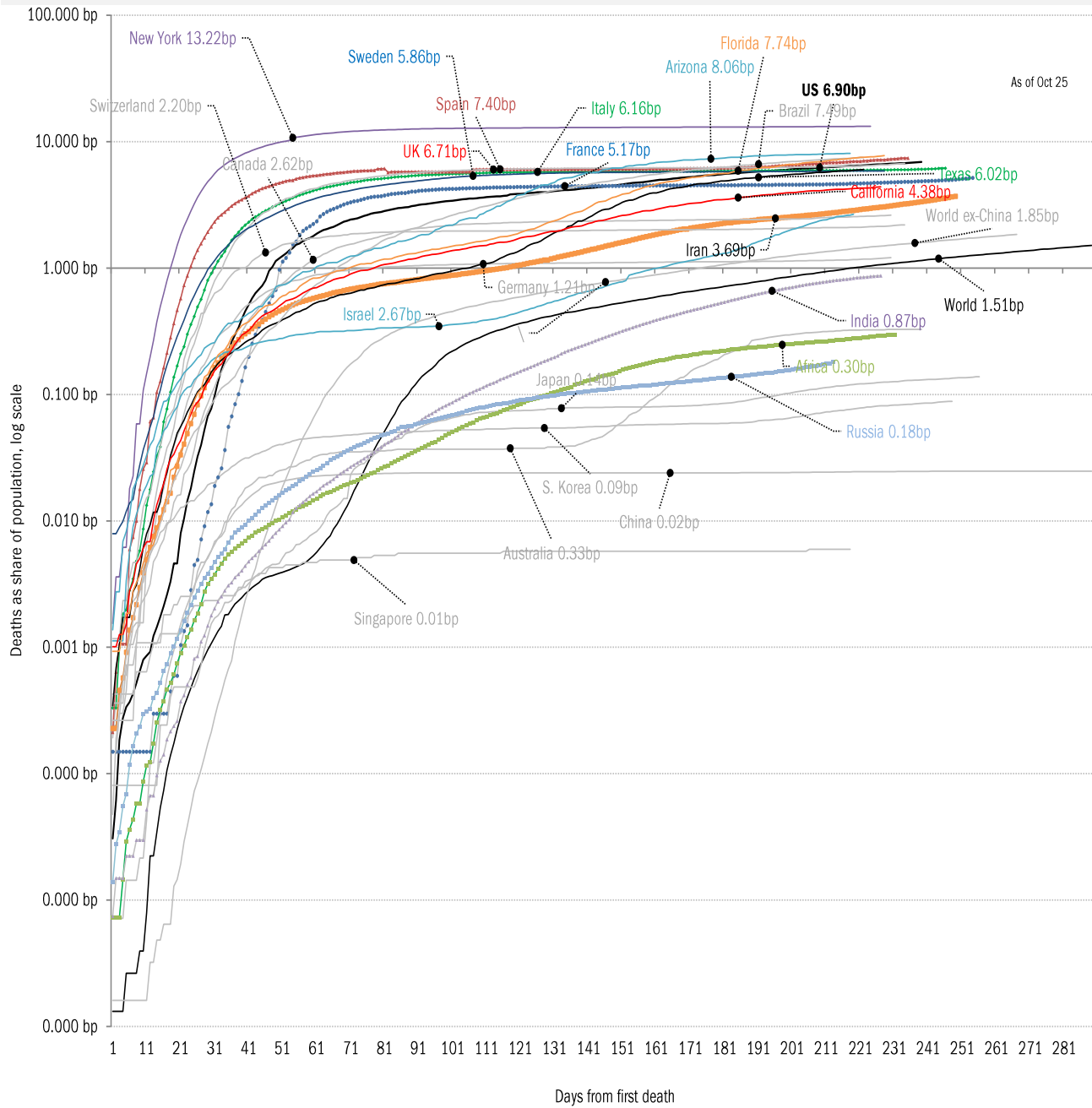
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [ECDC](#), TrendMacro calculations

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

## Share of deceased population from day of first fatality

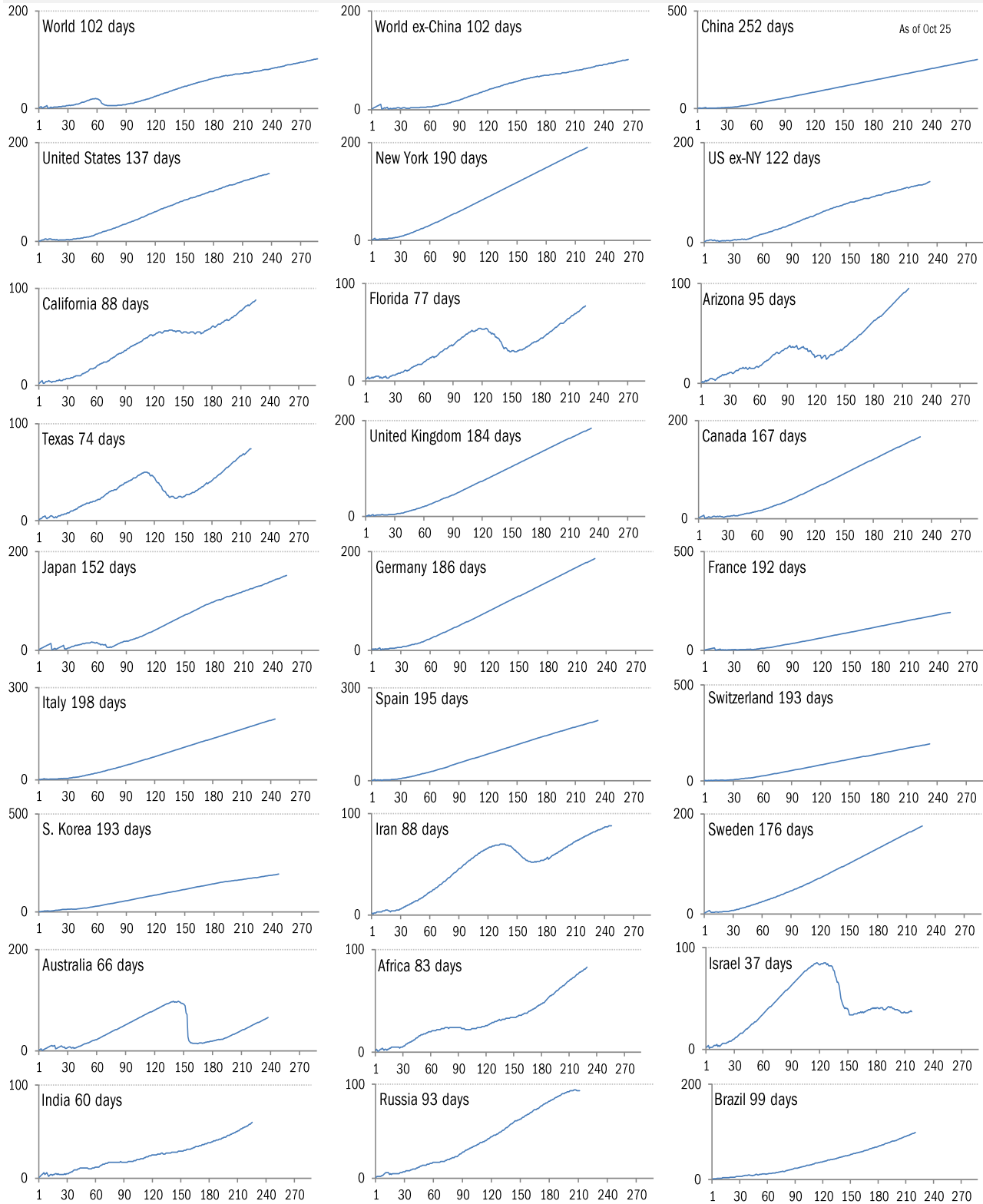


Source: [ECDC](#), TrendMacro calculations

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

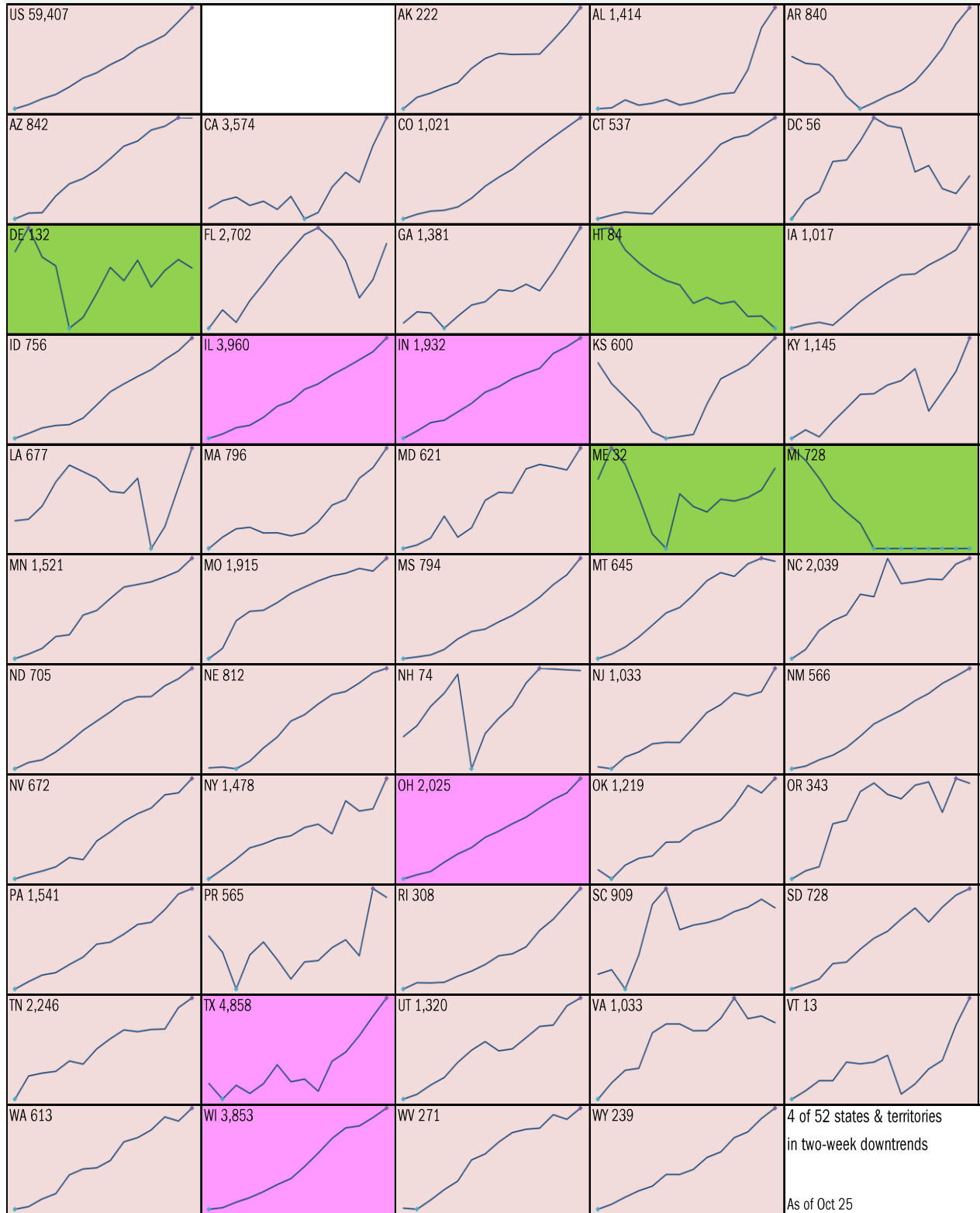
Vertical: days to double deaths Horizontal: days from first death

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

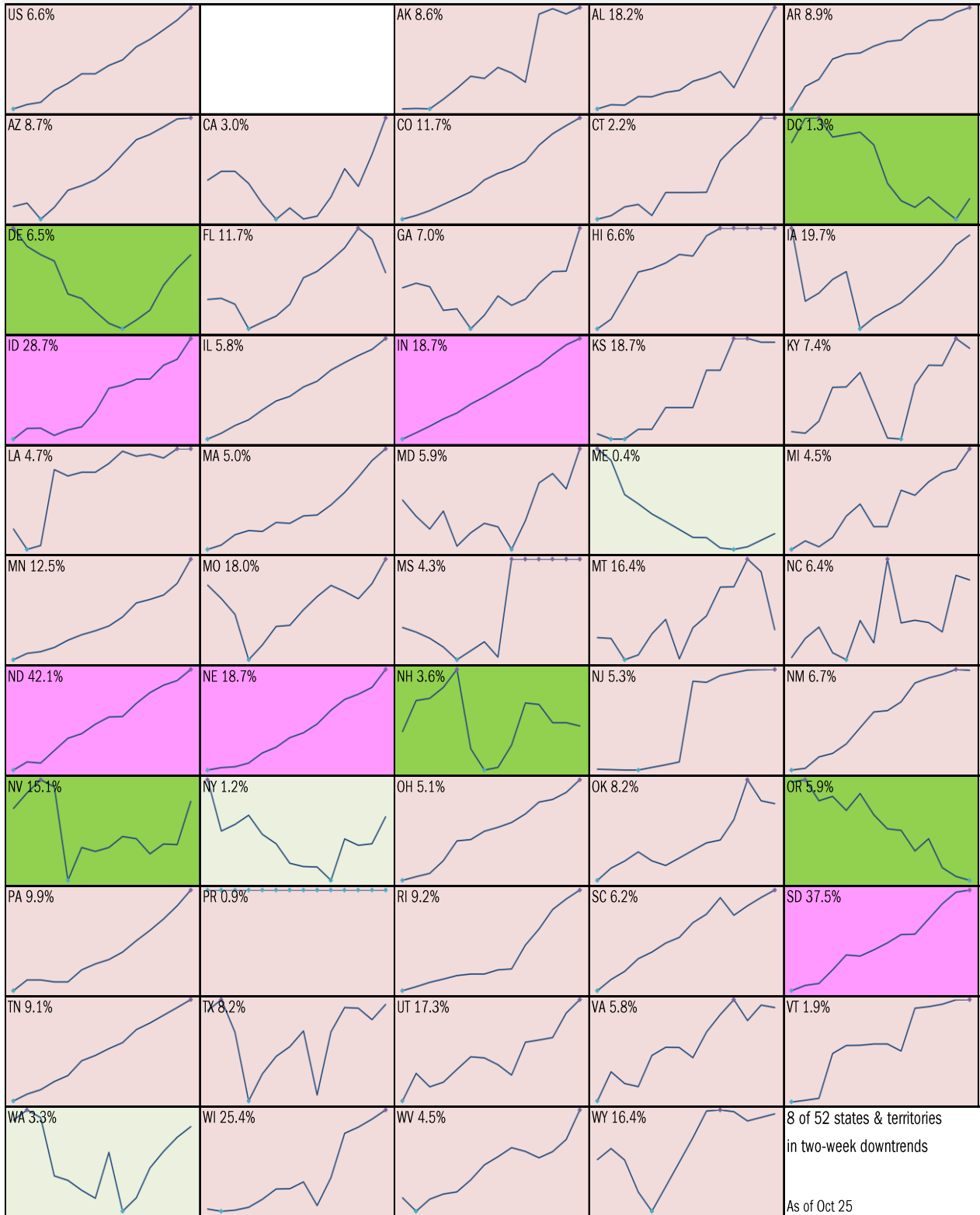


Source: [Covid Tracking Project](#), TrendMacro calculations



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

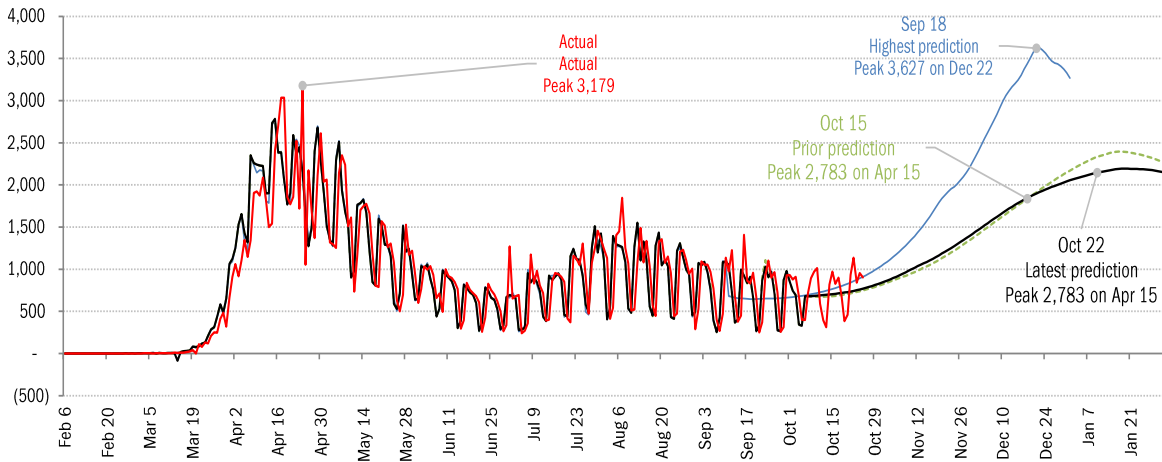


# Reality-checking the models: actuals versus [IHME](#) predictions

## New daily fatalities

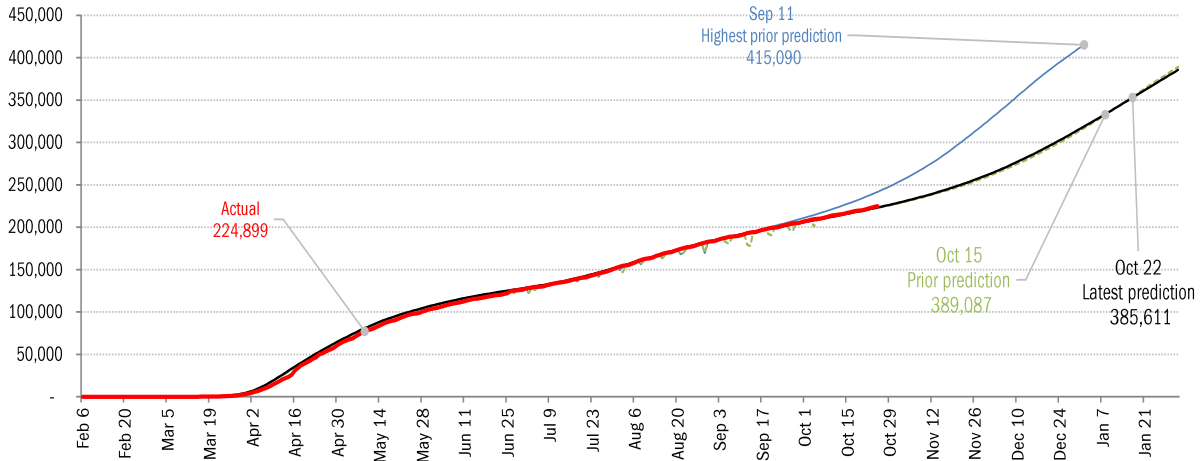
As of Oct 25

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

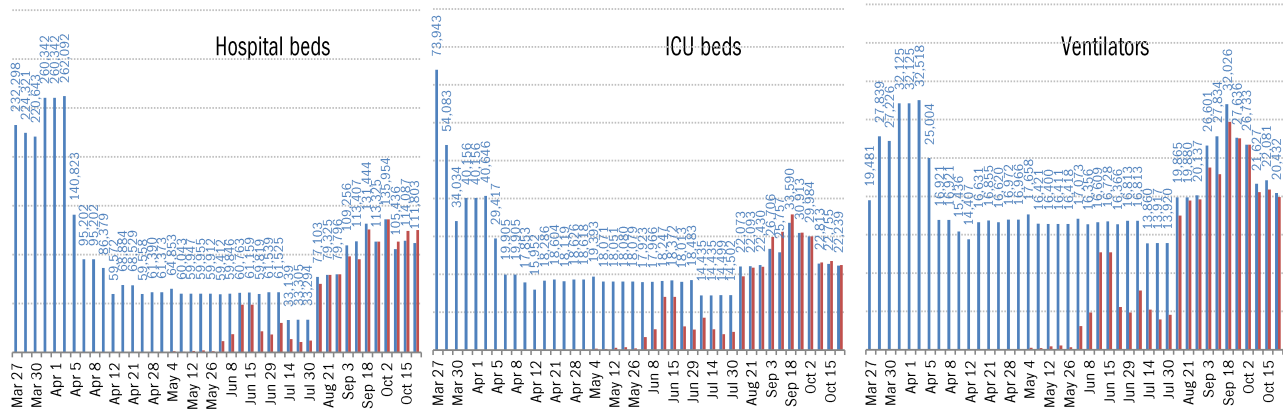


## Cumulative fatalities

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

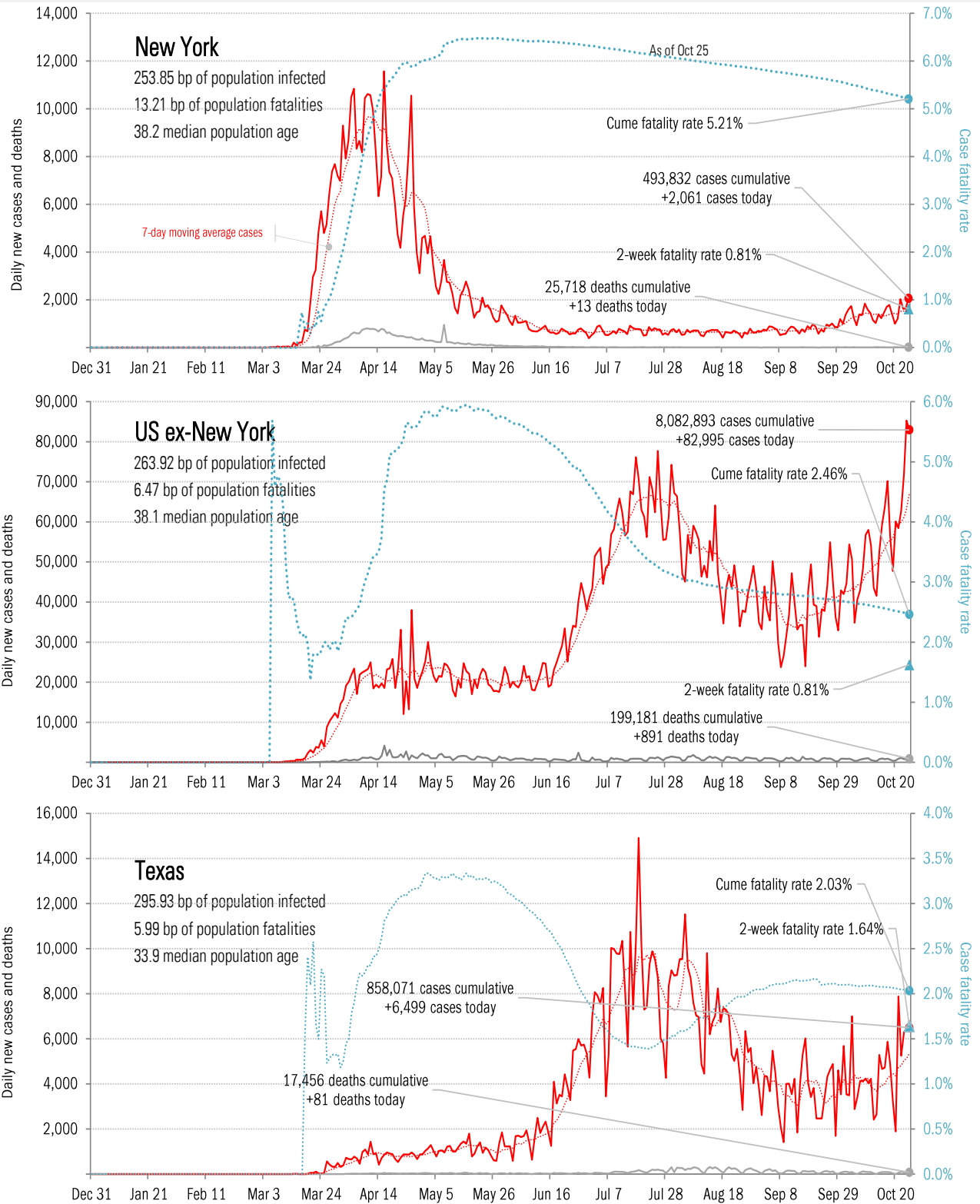


## Healthcare system stress, **peak** and **ultimate** estimated at each model revision



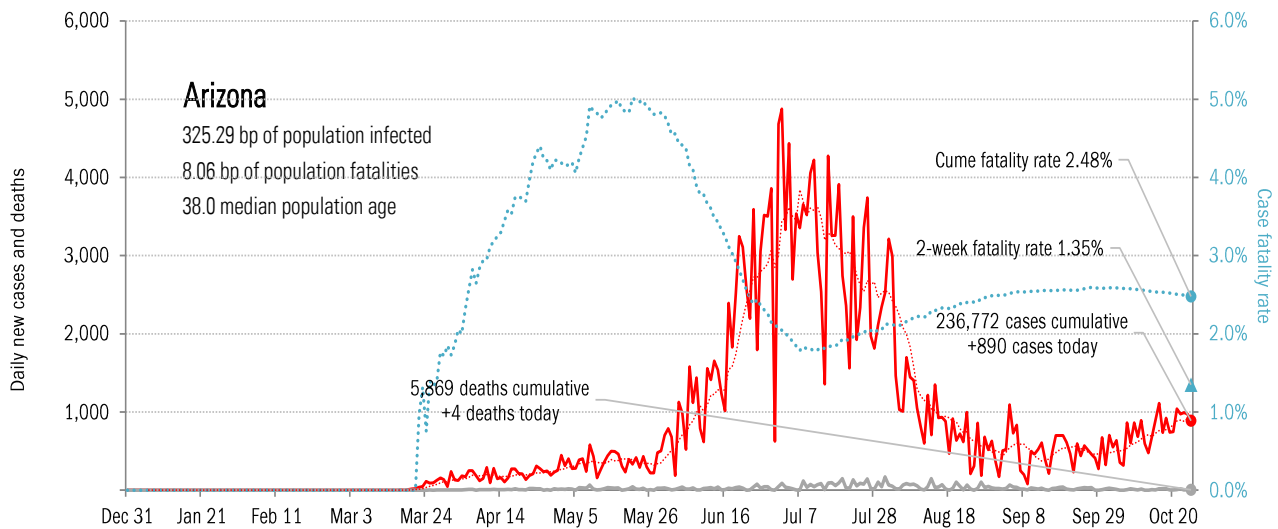
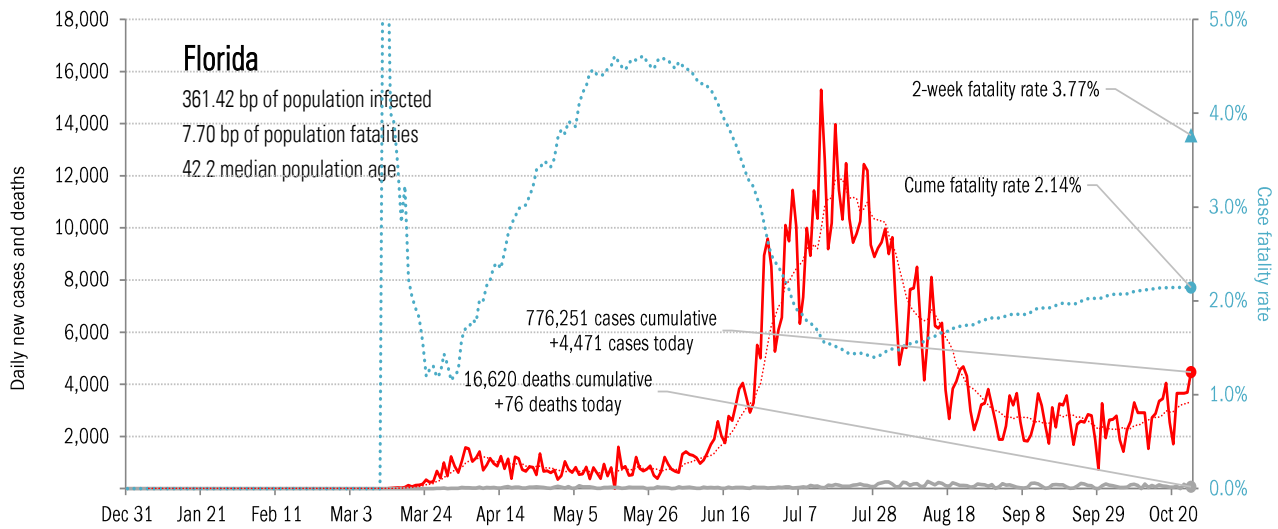
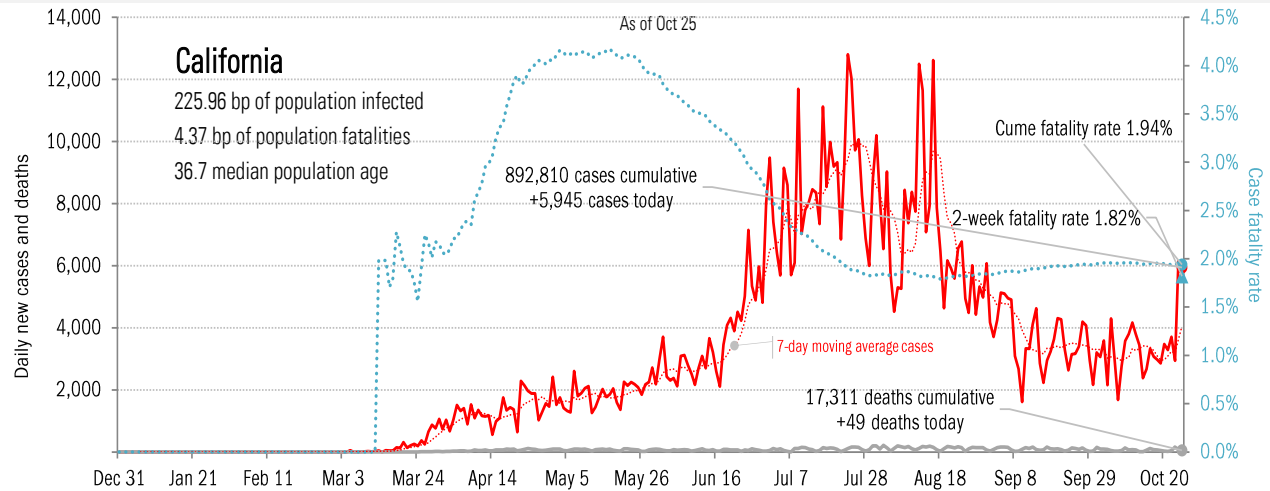
Source: [ECDC](#), [IHME](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



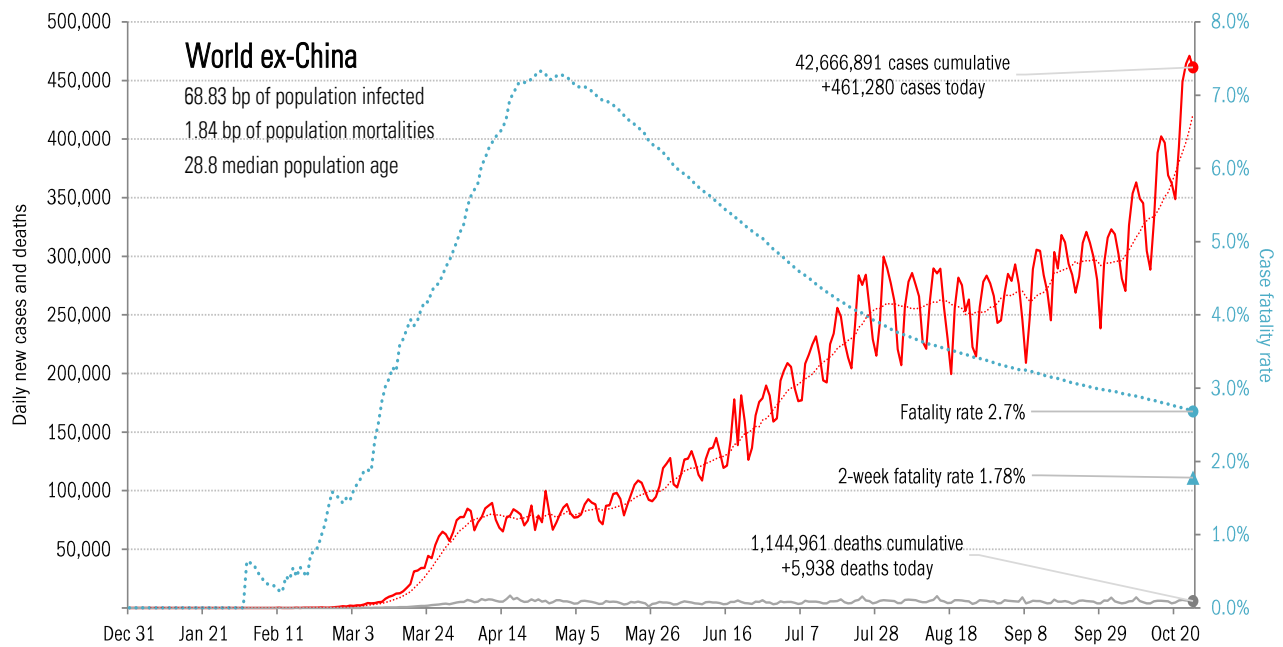
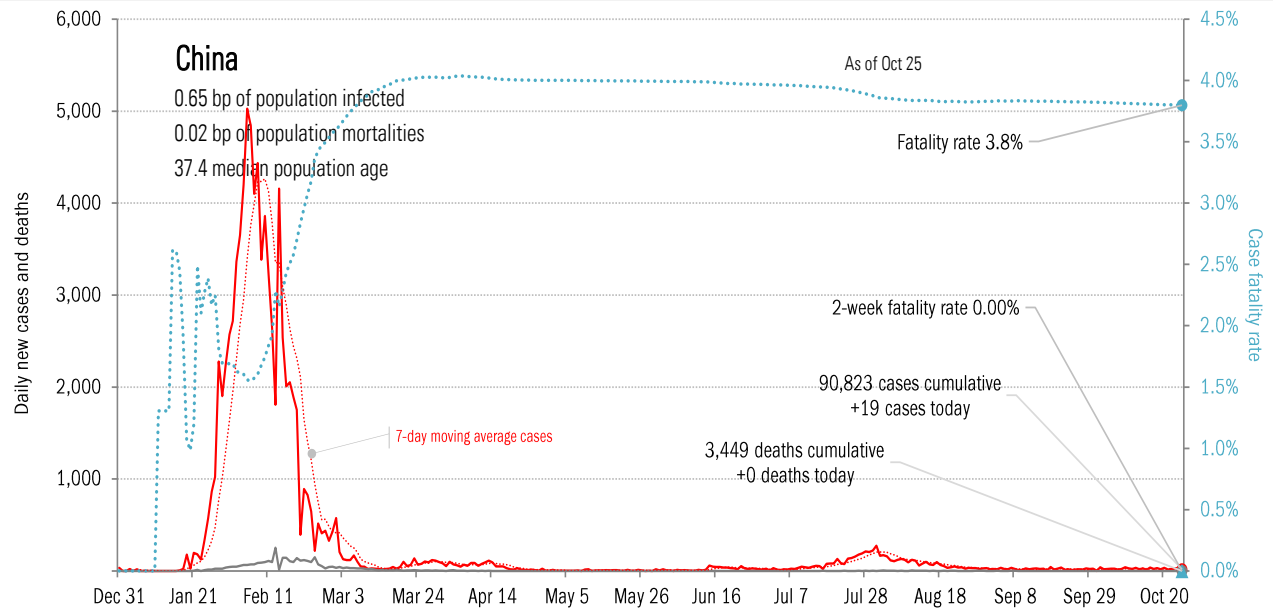
Source: [ECDC](#), TrendMacro calculations

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



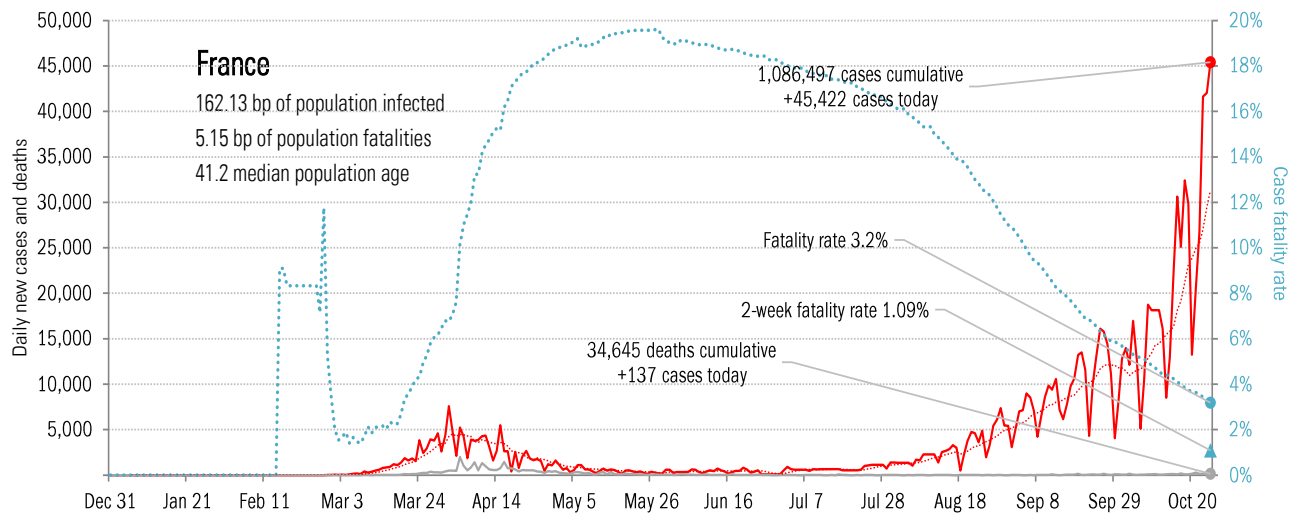
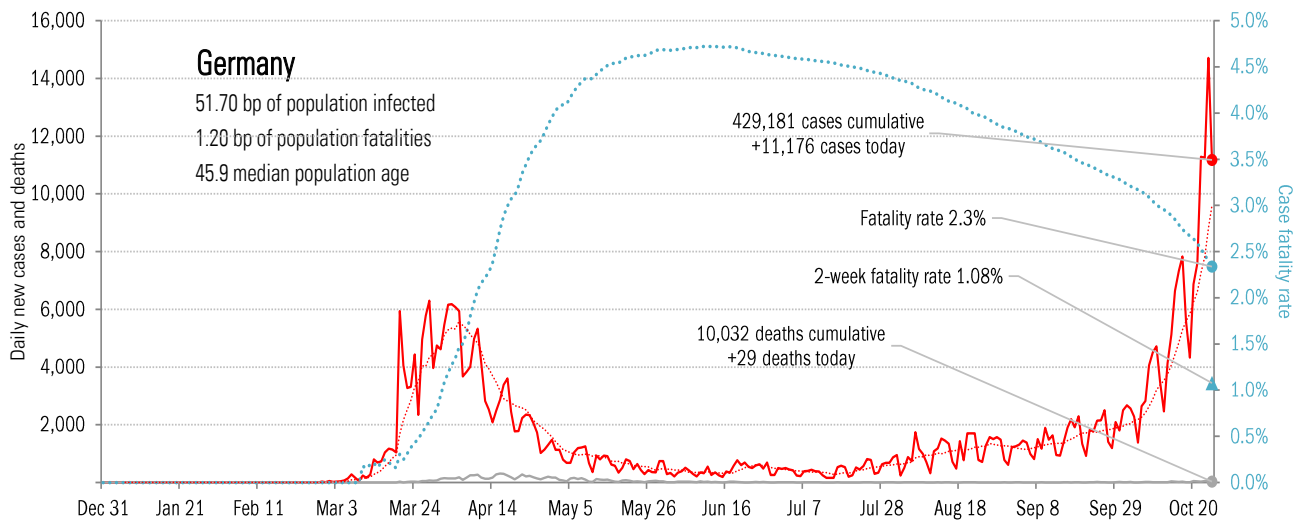
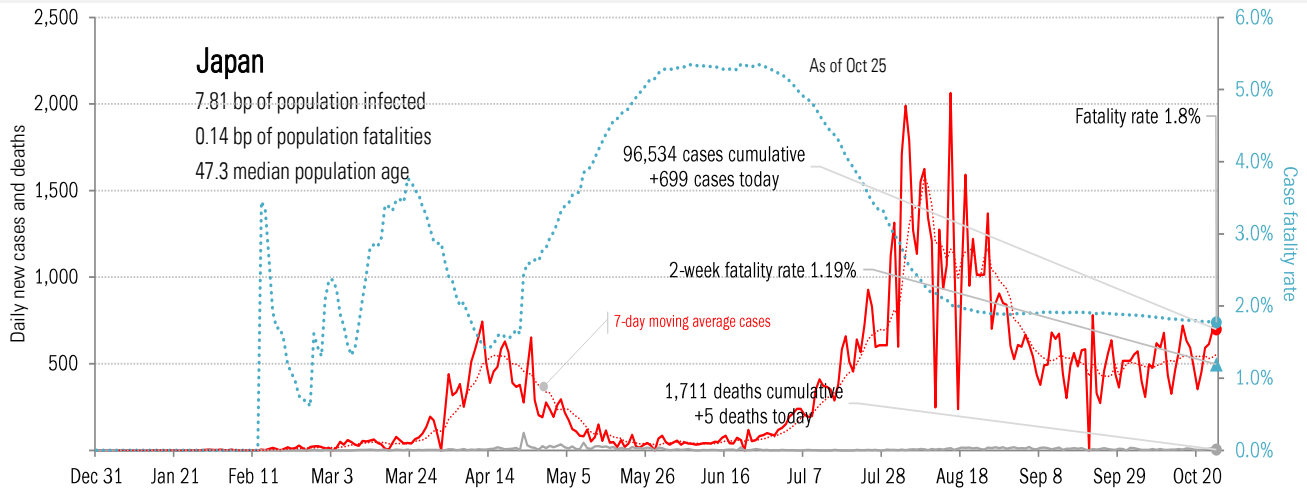
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



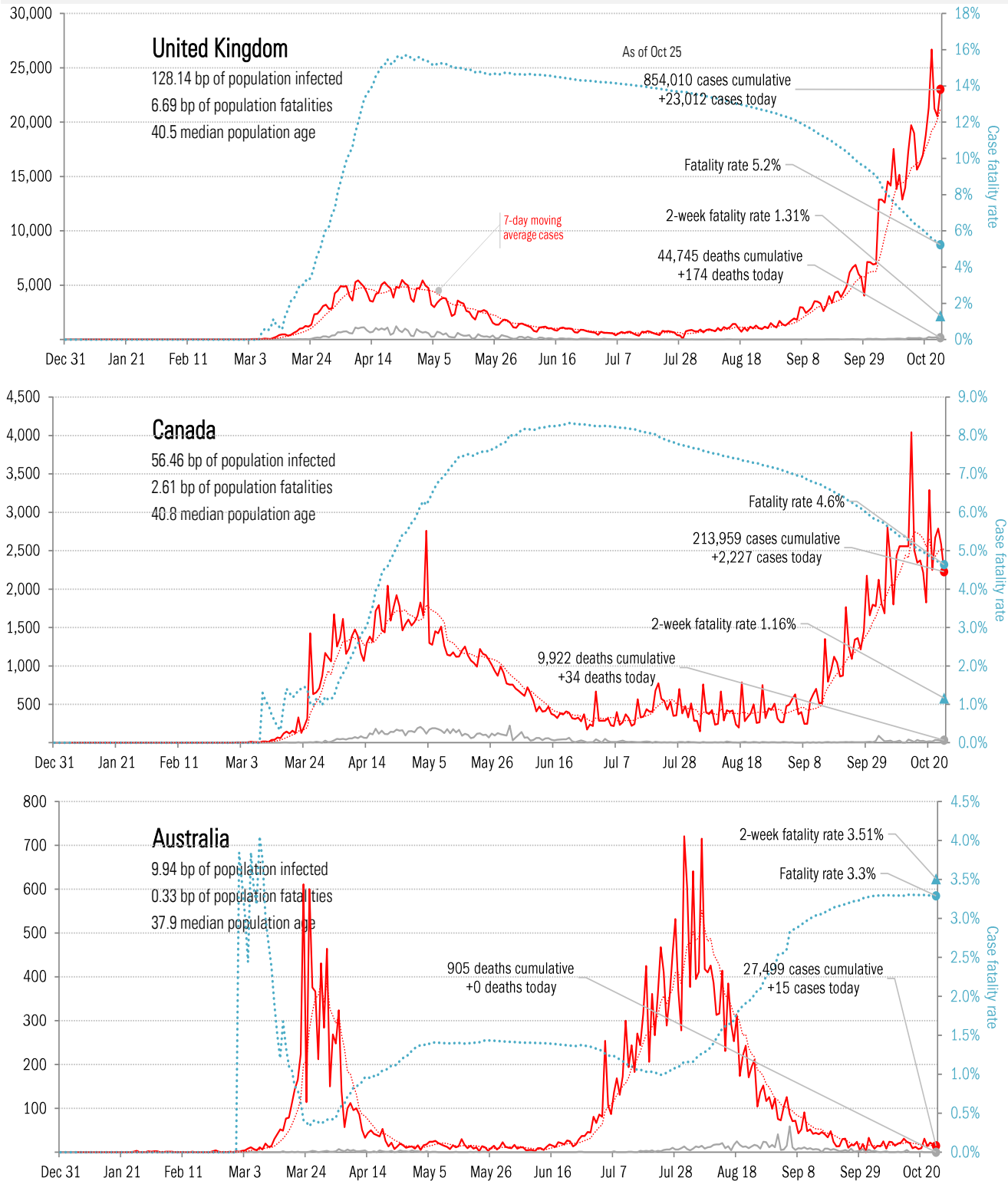
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



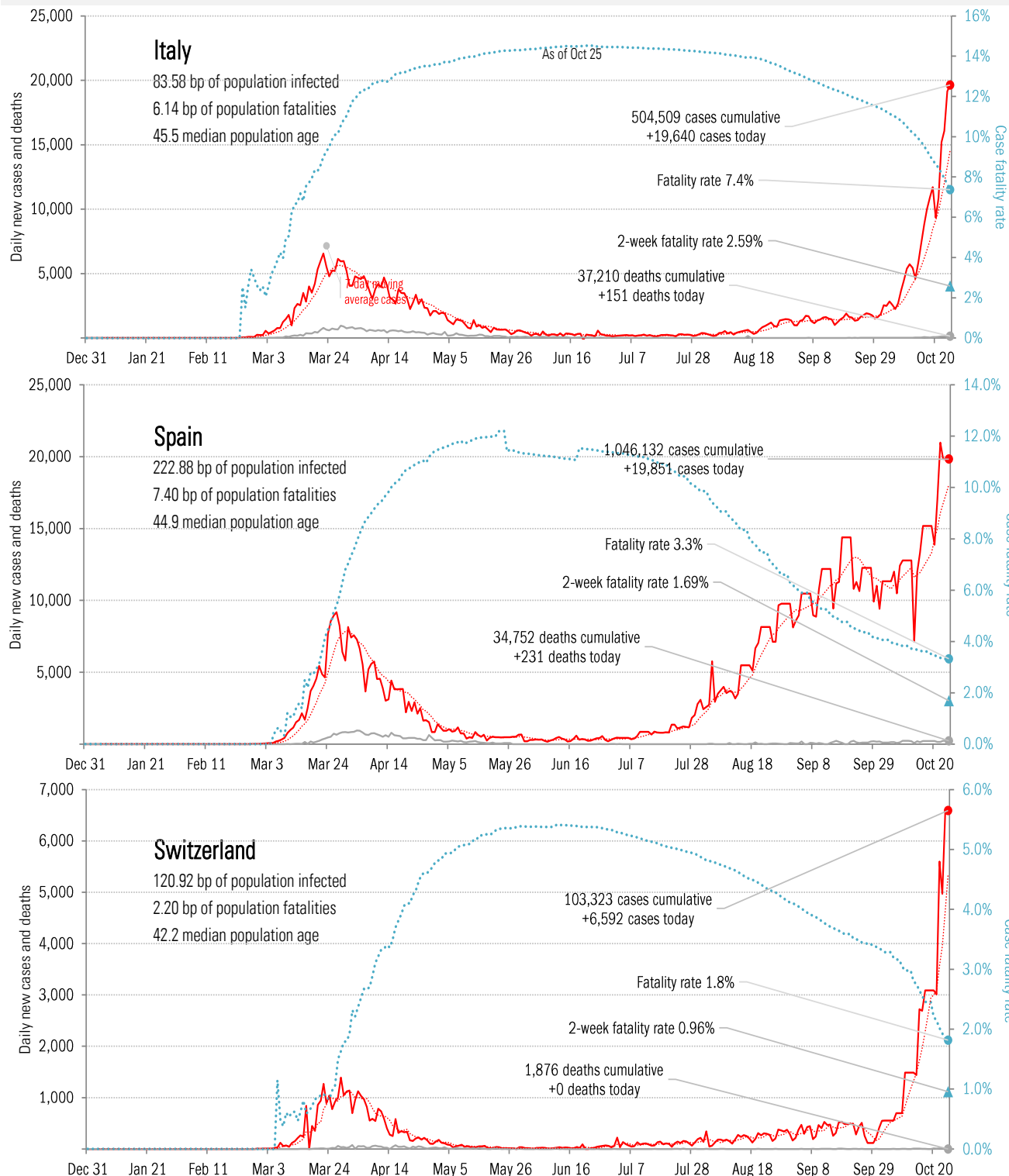
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



Source: [ECDC](#), TrendMacro calculations

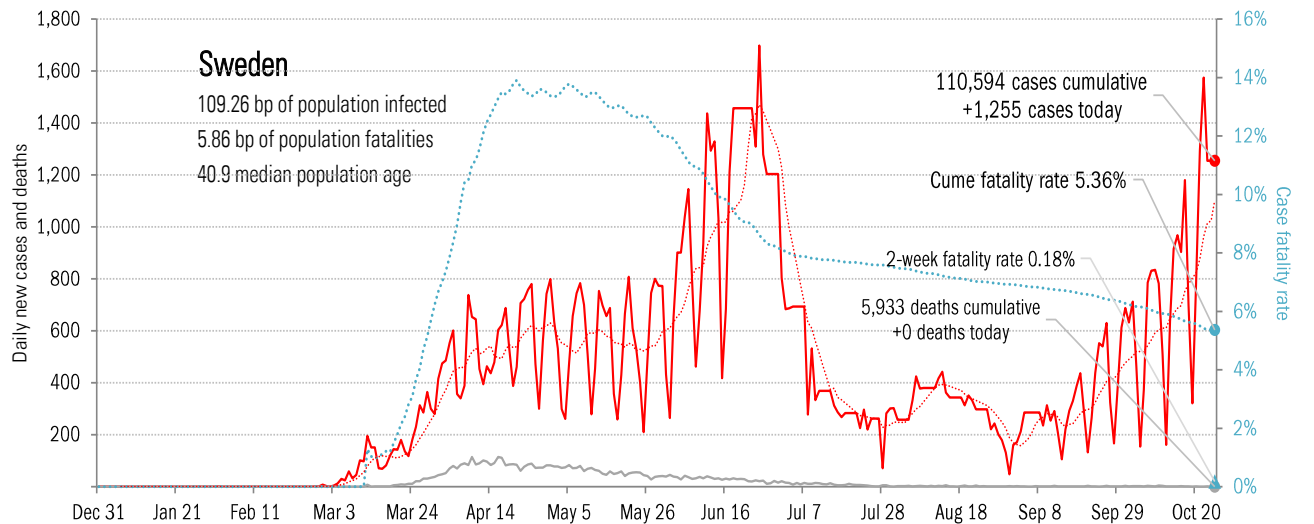
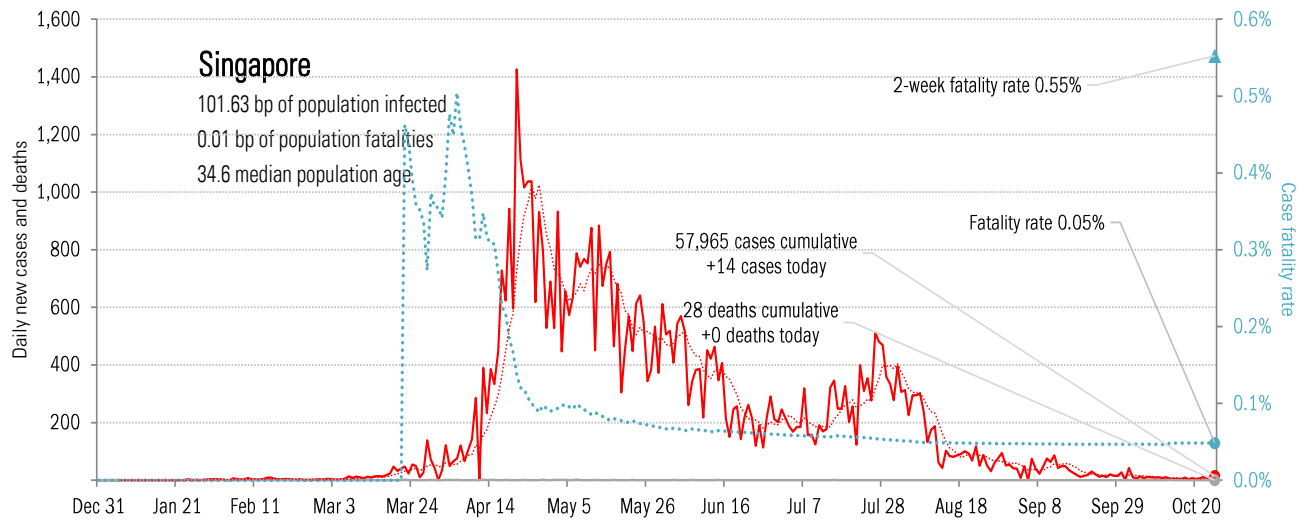
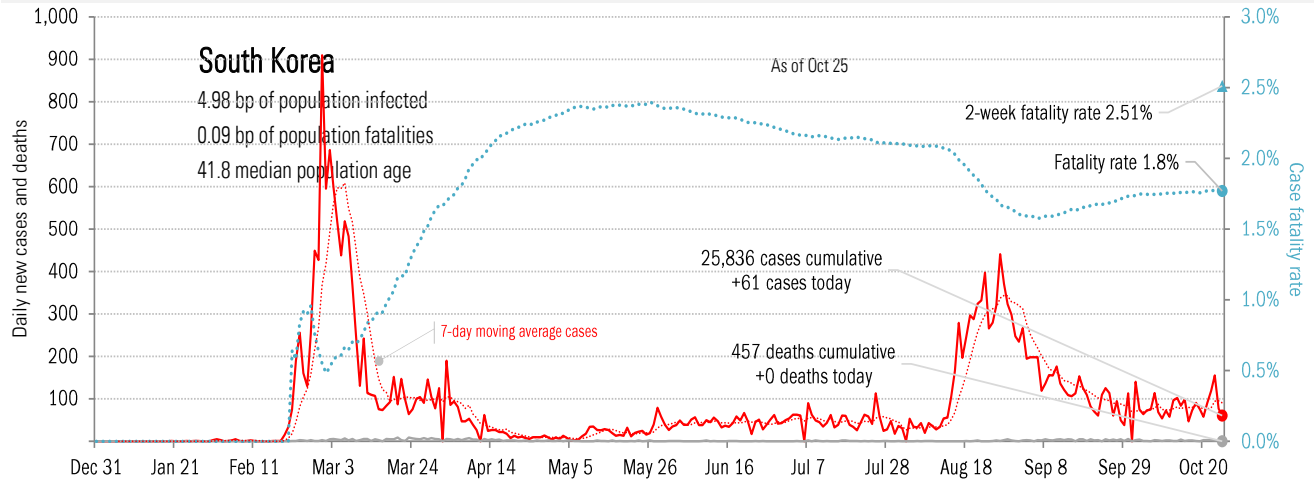
# Impact in continental Europe



Source: [ECDC](#), TrendMacro calculations

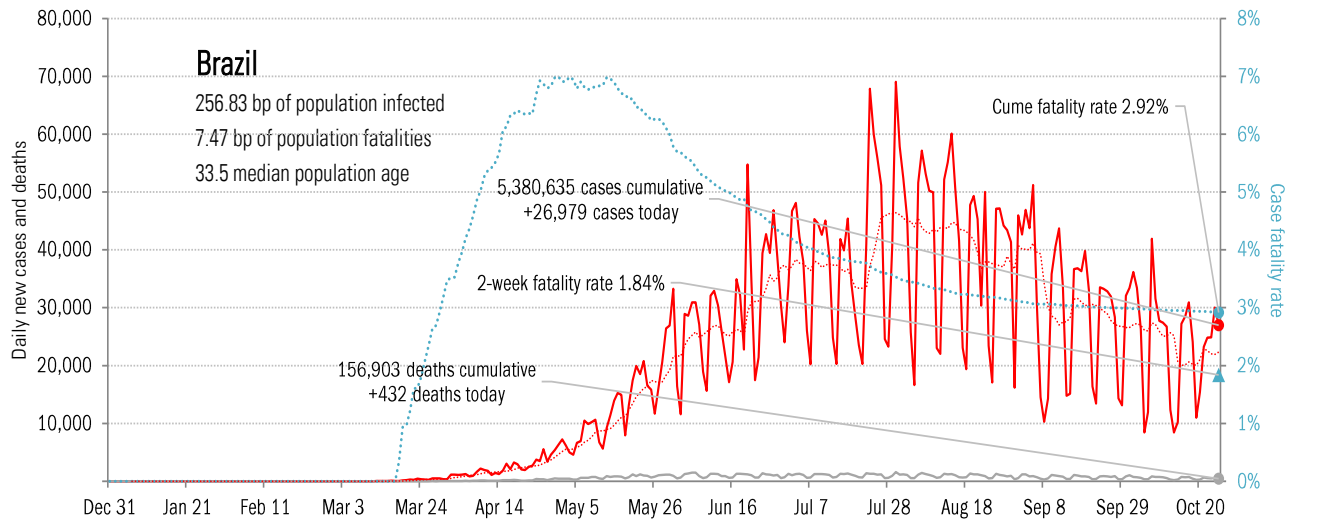
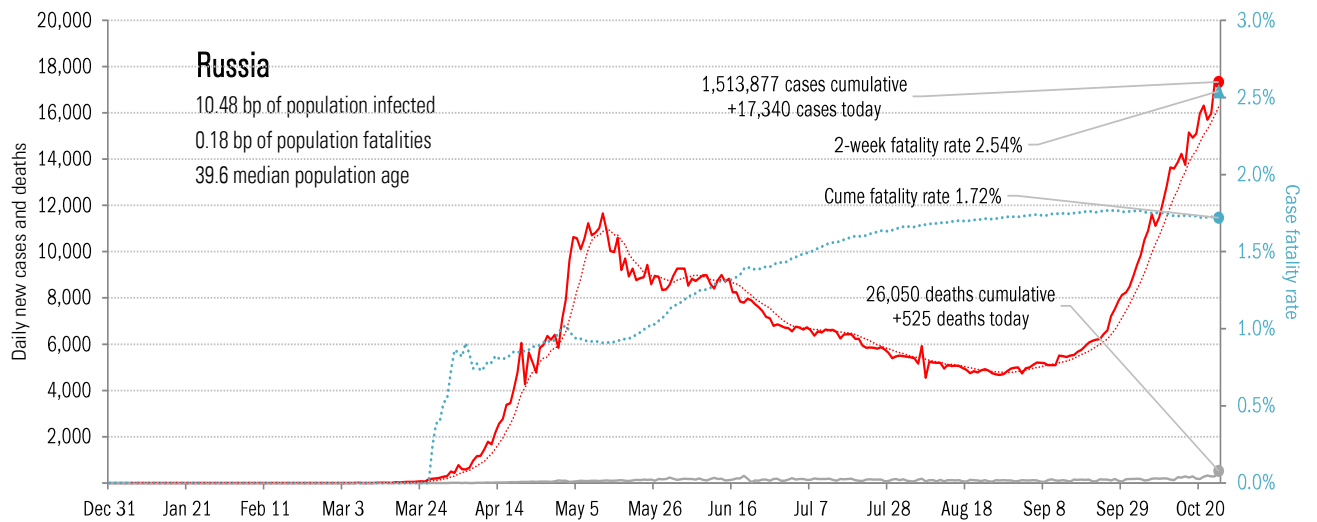
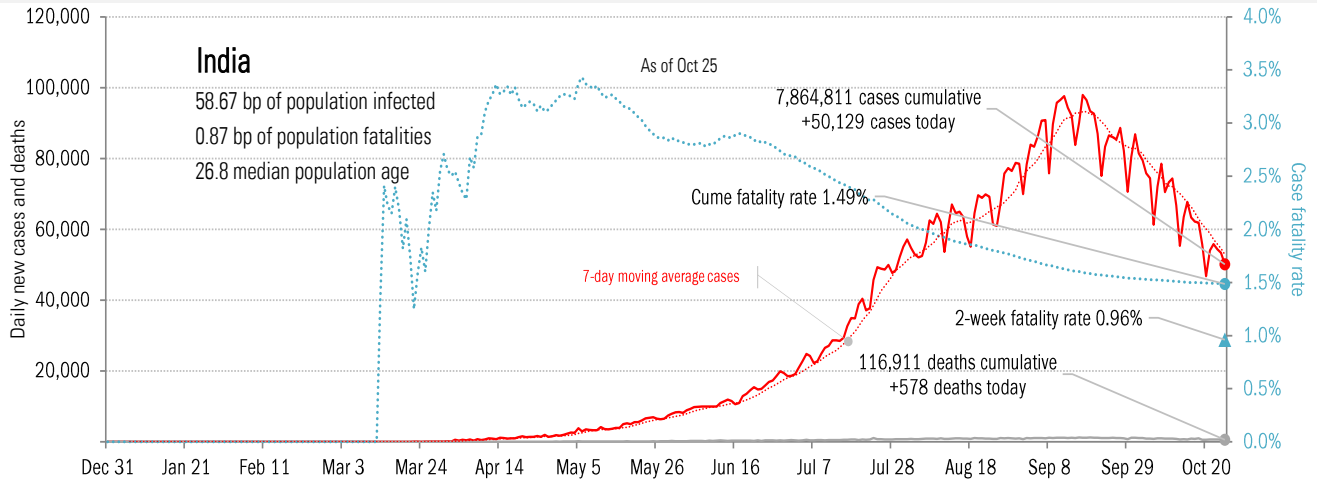


# Impact in other hot-spots



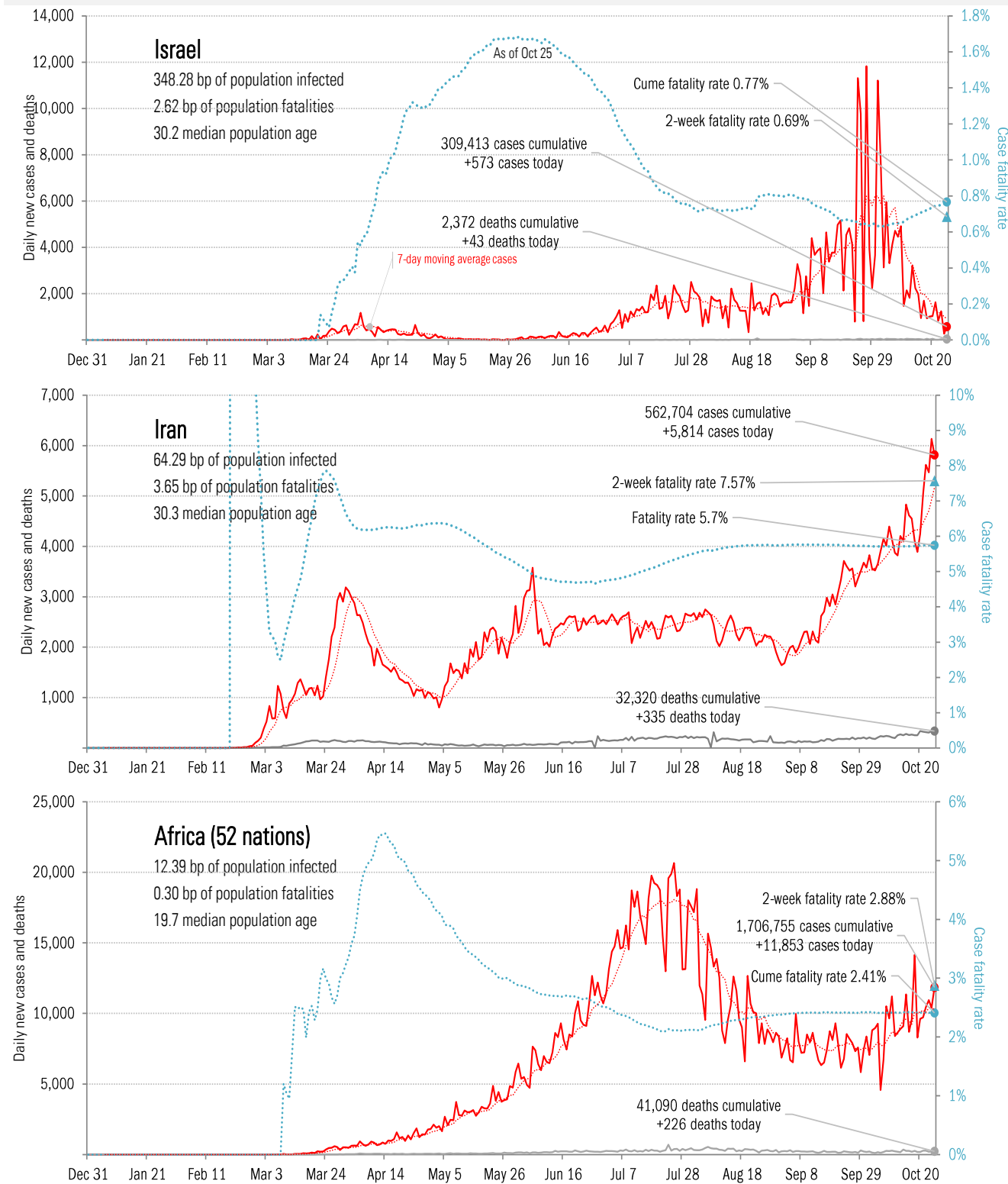
Source: [ECDC](#), TrendMacro calculations

# Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations