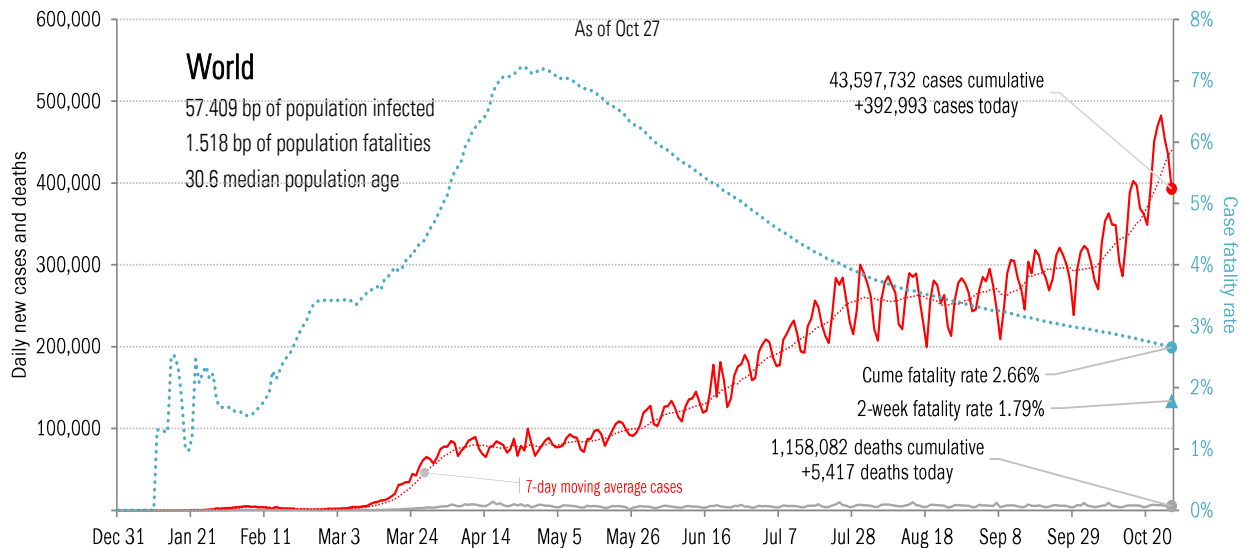
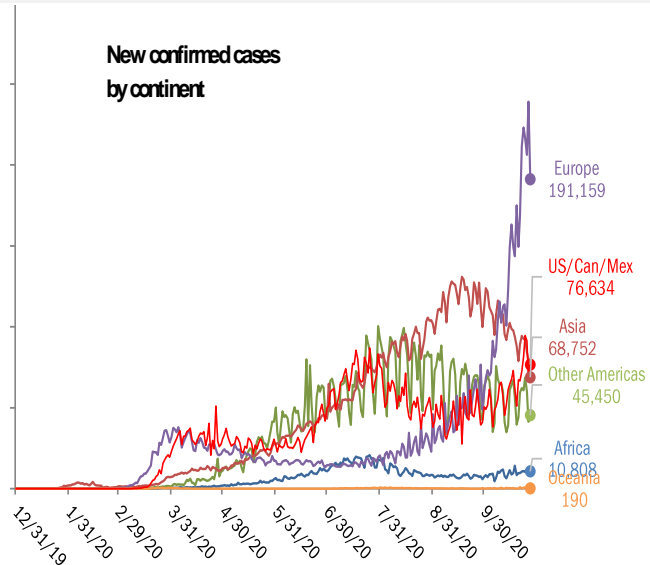


## Data Insights: Covid-2019 Monitor

Tuesday, October 27, 2020

### The global scorecard

The worst ten countries			
New cases		New Deaths	
US	+68,359	Russia	+539
India	+36,470	US	+505
Russia	+33,897	India	+488
France	+26,771	Argentina	+405
UK	+20,890	Iran	+337
Spain	+19,851	Brazil	+263
Switzerland	+17,357	France	+257
Italy	+17,007	Mexico	+247
Brazil	+15,726	Colombia	+194
Argentina	+11,712	Czechia	+164
<b>+268,040</b>		<b>+3,399</b>	
World	<b>+392,993</b>	World	<b>+5,417</b>
Top ten	<b>68%</b>	Top ten	<b>63%</b>



Source: [ECDC](#), TrendMacro calculations

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# The US scorecard

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

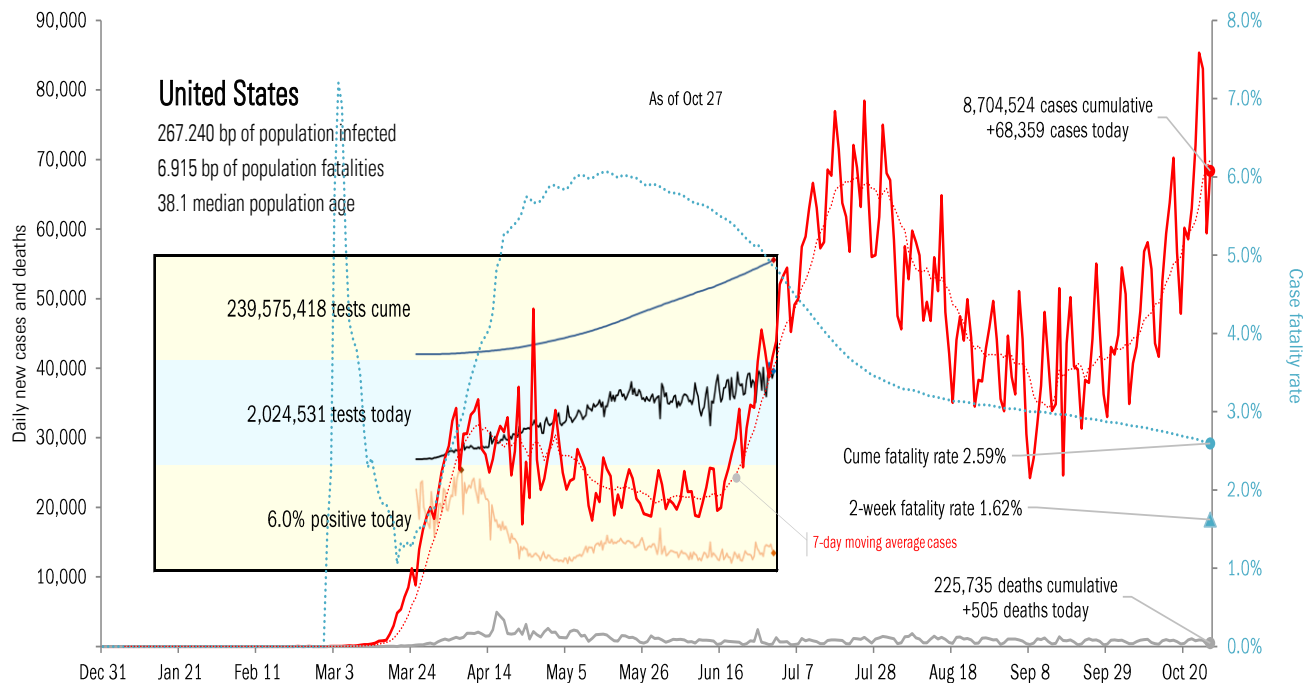
## The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
IL	+4,729	TN	+32	MI	+150	CA	901,010	NY	25,742	NY	89,995
TX	+4,700	MI	+30	TN	+134	TX	867,075	TX	17,514	FL	48,842
MI	+4,057	AR	+21	NJ	+80	FL	782,013	CA	17,357	NJ	37,310
FL	+3,377	SC	+21	GA	+72	NY	496,655	FL	16,652	GA	31,087
WI	+3,011	FL	+20	TX	+72	IL	383,698	NJ	16,292	AZ	21,097
CA	+2,981	GA	+18	VA	+69	GA	351,881	MA	9,881	VA	20,631
KS	+2,446	IL	+17	CH	+68	NC	261,742	IL	9,792	AL	19,974
TN	+2,279	LA	+17	WI	+57	TN	249,866	PA	8,673	CH	18,235
CH	+2,116	MA	+17	AL	+45	AZ	238,964	GA	7,827	MD	16,819
CT	+2,047	IA	+14	NC	+45	NJ	229,684	MI	7,552	IN	15,905
<b>+31,743</b>		<b>+207</b>		<b>+792</b>		<b>4,762,588</b>		<b>137,282</b>		<b>319,895</b>	
All states	+62,315	All states	+389	All states	+1,141	All states	8,660,366	All states	217,418	All states	463,529
Top ten	51%	Top ten	53%	Top ten	69%	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	
CA	-2,238	TX	-38	TX	-139	AR	+4
WA	-1,568	CA	-22	CO	-62	KS	+4
TN	-1,221	MN	-17	KS	-41	AL	+2
WI	-767	ID	-9	FL	-18	AK	+0
LA	-745	SD	-9	IN	-13	AS	+0



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

## Recommended reading

### [Hospitals gave Gov. Andrew Cuomo a campaign booster shot](#)

Miranda Devine  
*New York Post*  
October 25, 2020

### [76% of American CEOs say they may shrink office space](#)

Lance Lambert  
*Fortune*  
October 22, 2020

### [Kansas counties with mask mandates had half the rate of new infections, a study finds.](#)

Conner Mitchell  
*Lawrence Journal-World*  
October 23, 2020

### [Released emails show Fauci signed off on WHO-sponsored statement approving China's response to COVID](#)

Daniel Payne  
*Just the News*  
October 23, 2020

### [California Just Declared War On Thanksgiving With Kafka-Level Regulations](#)

Elle Reynolds  
*The Federalist*  
October 20, 2020

### [Only 24% of Trump supporters view the coronavirus outbreak as a 'very important' voting issue](#)

Amina Dunn  
*Pew Research Center*  
October 21, 2020

### ['Neutralize' sewage or it will spread corona, Israeli scientists warn](#)

*World Israel News*  
October 25, 2020

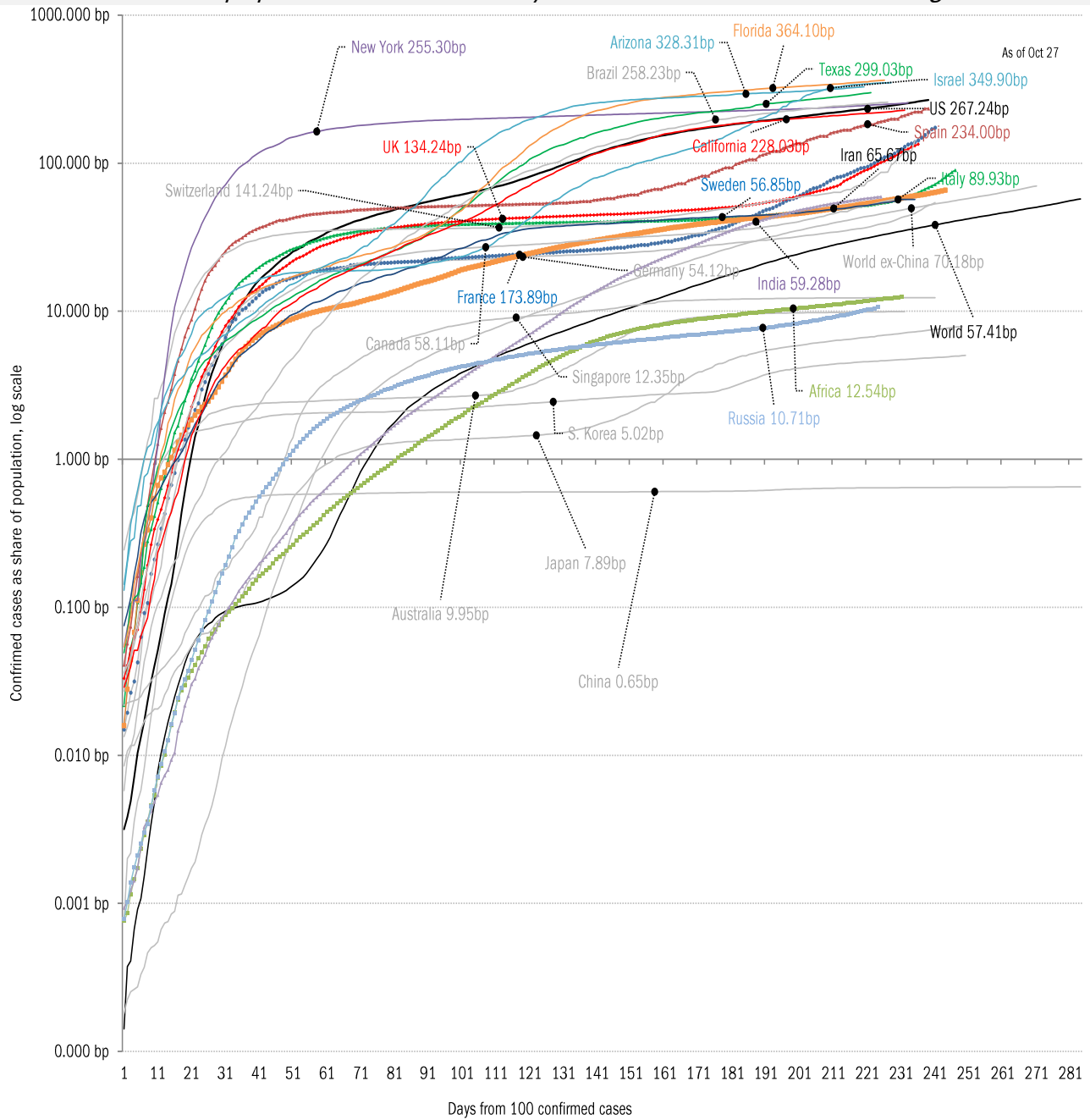
## Meme of day

### How King of the Hill characters would be during the pandemic



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

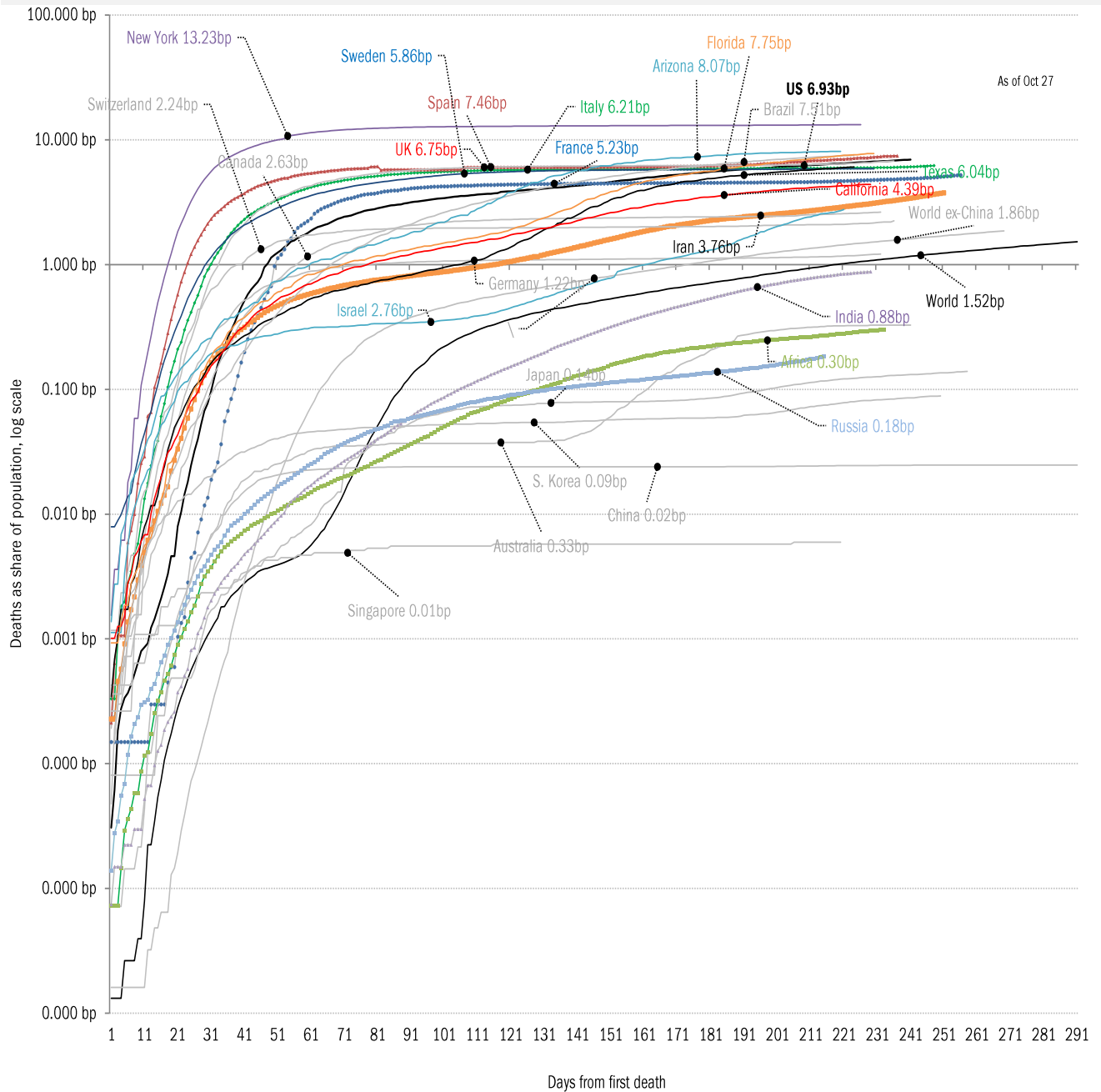
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [ECDC](#), TrendMacro calculations

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

## Share of deceased population from day of first fatality

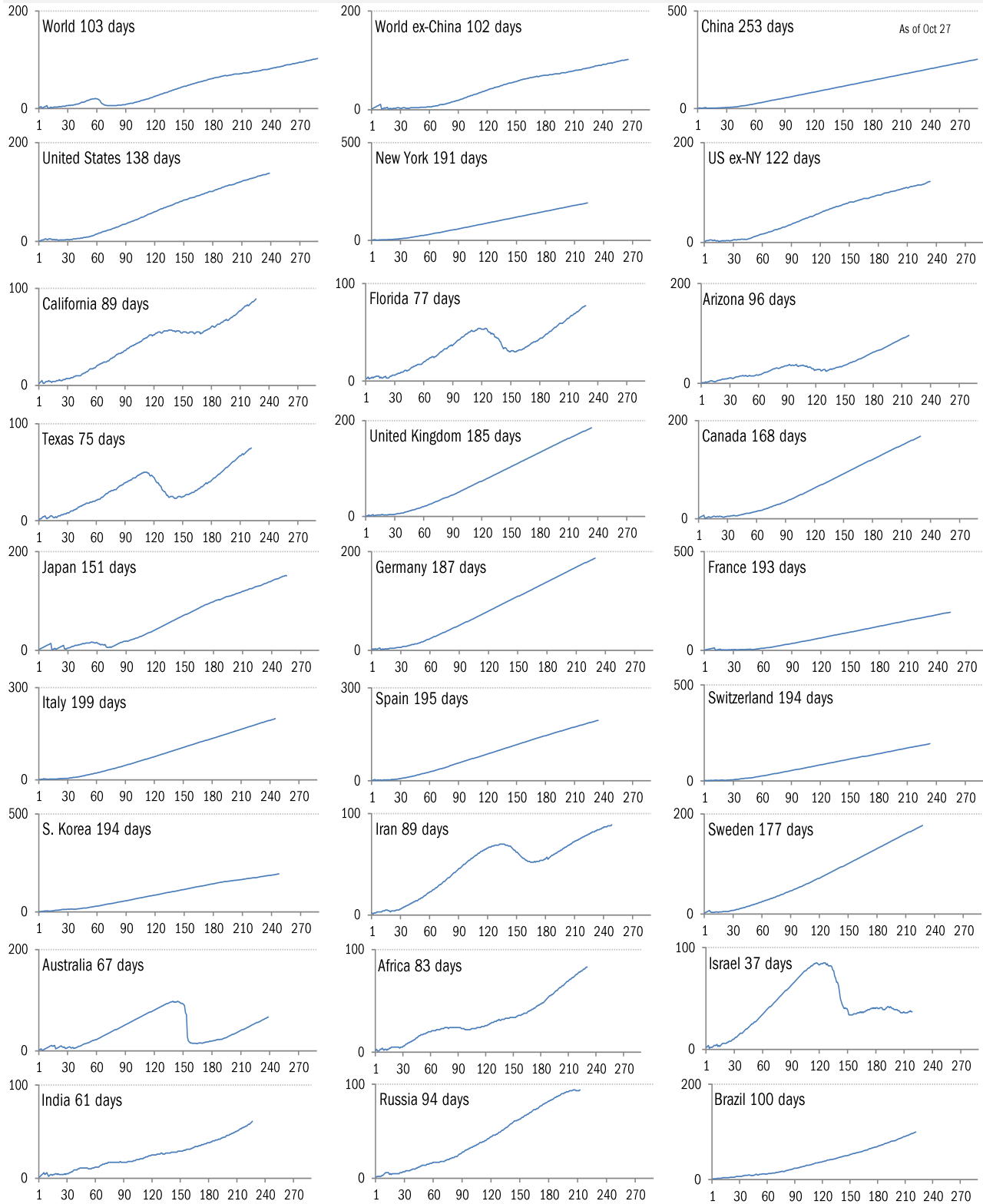


Source: [ECDC](#), TrendMacro calculations

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

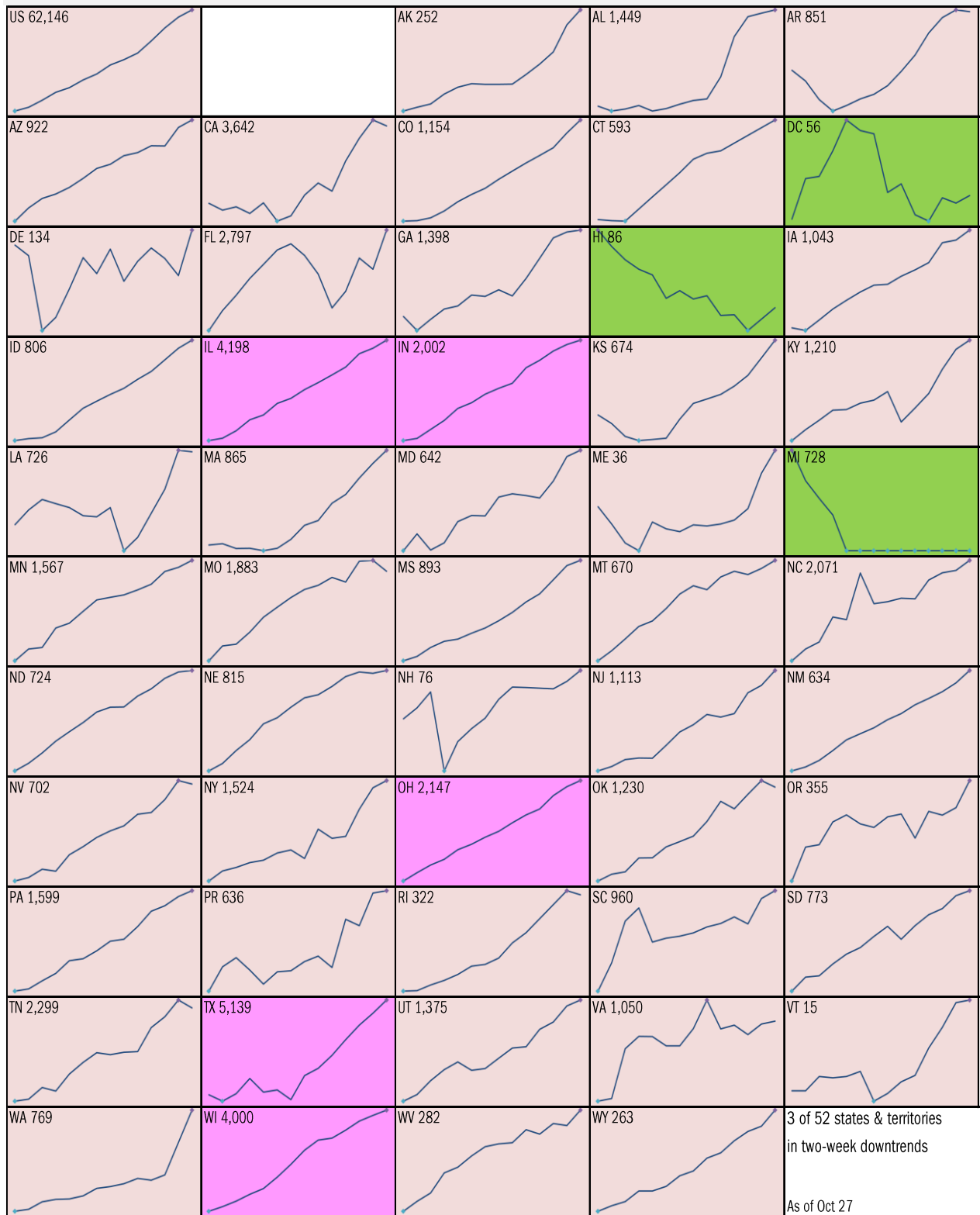
Vertical: days to double deaths Horizontal: days from first death

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



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

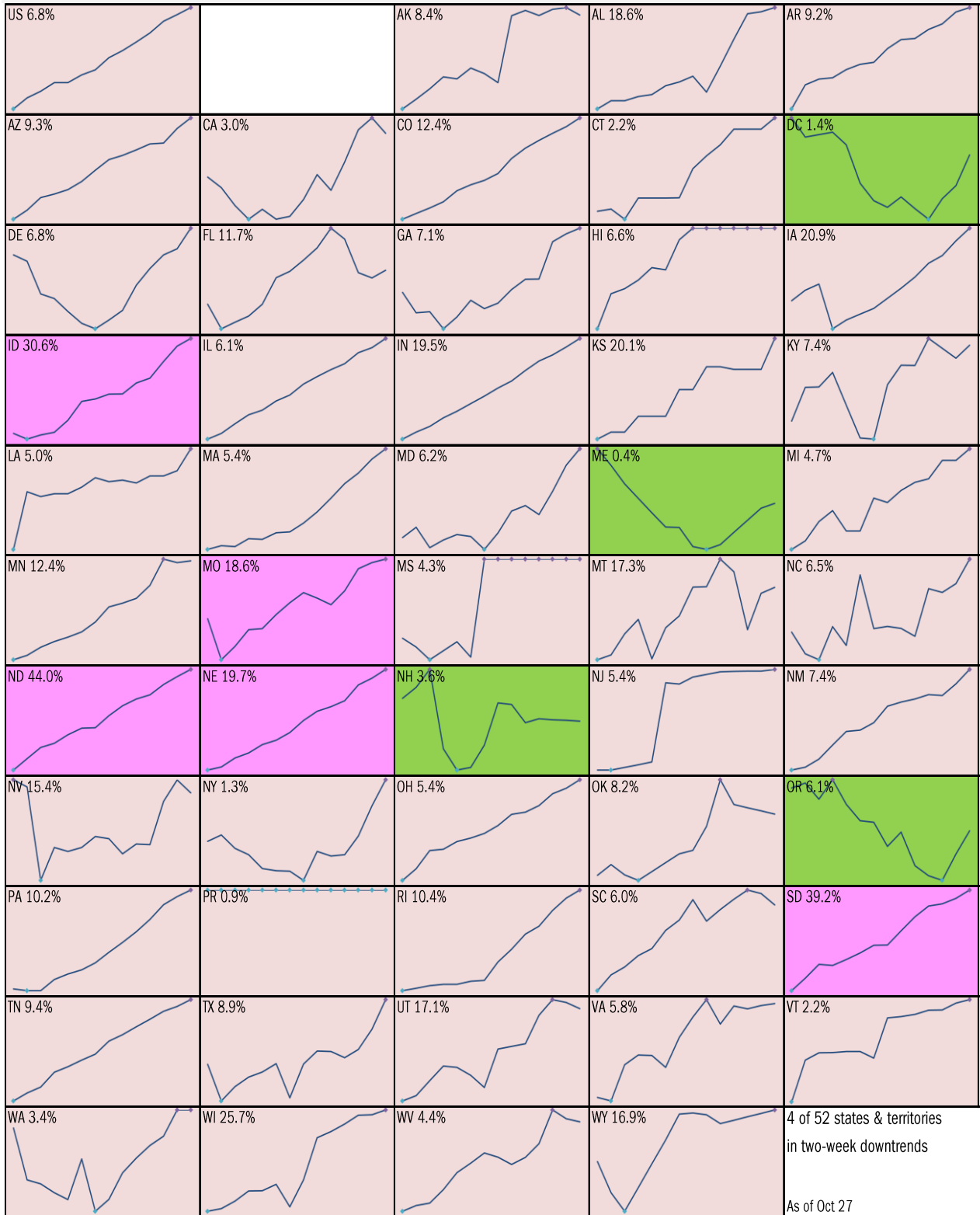
Requirement to [Open Up America Again](#): 14-day "downward trajectory" in new cases  
 14-day moving average, last 14 days *Most recent value displayed* ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

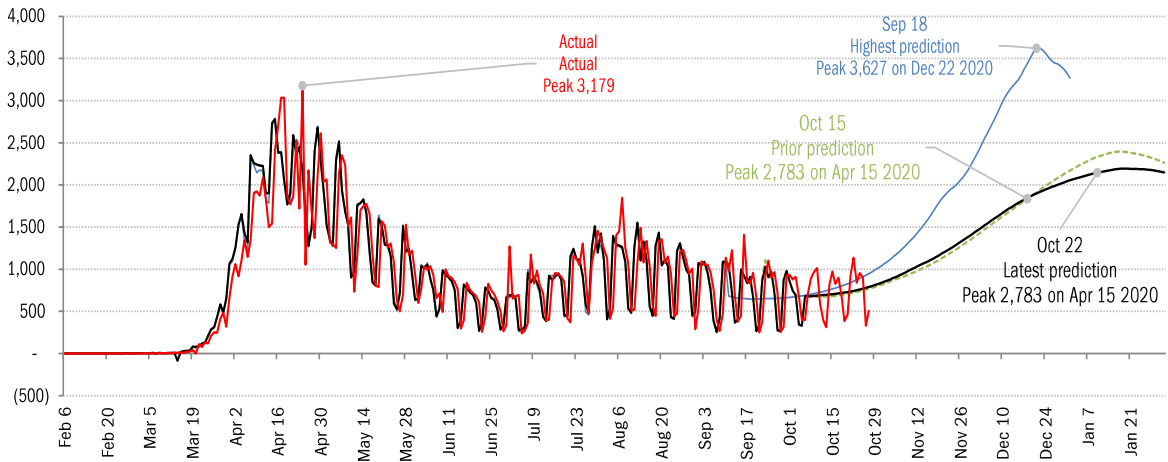


# Reality-checking the models: actuals versus [IHME](#) predictions

## New daily fatalities

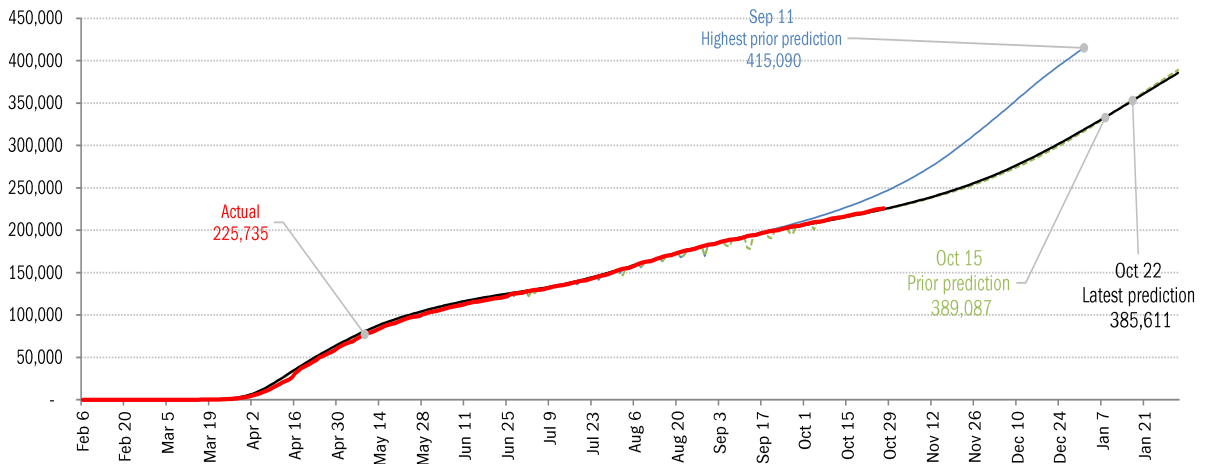
As of Oct 27

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

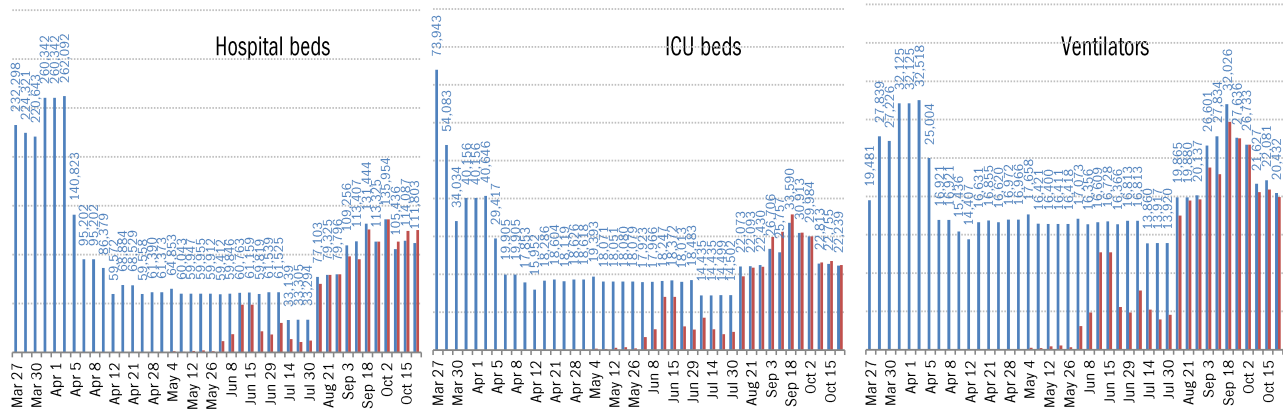


## Cumulative fatalities

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

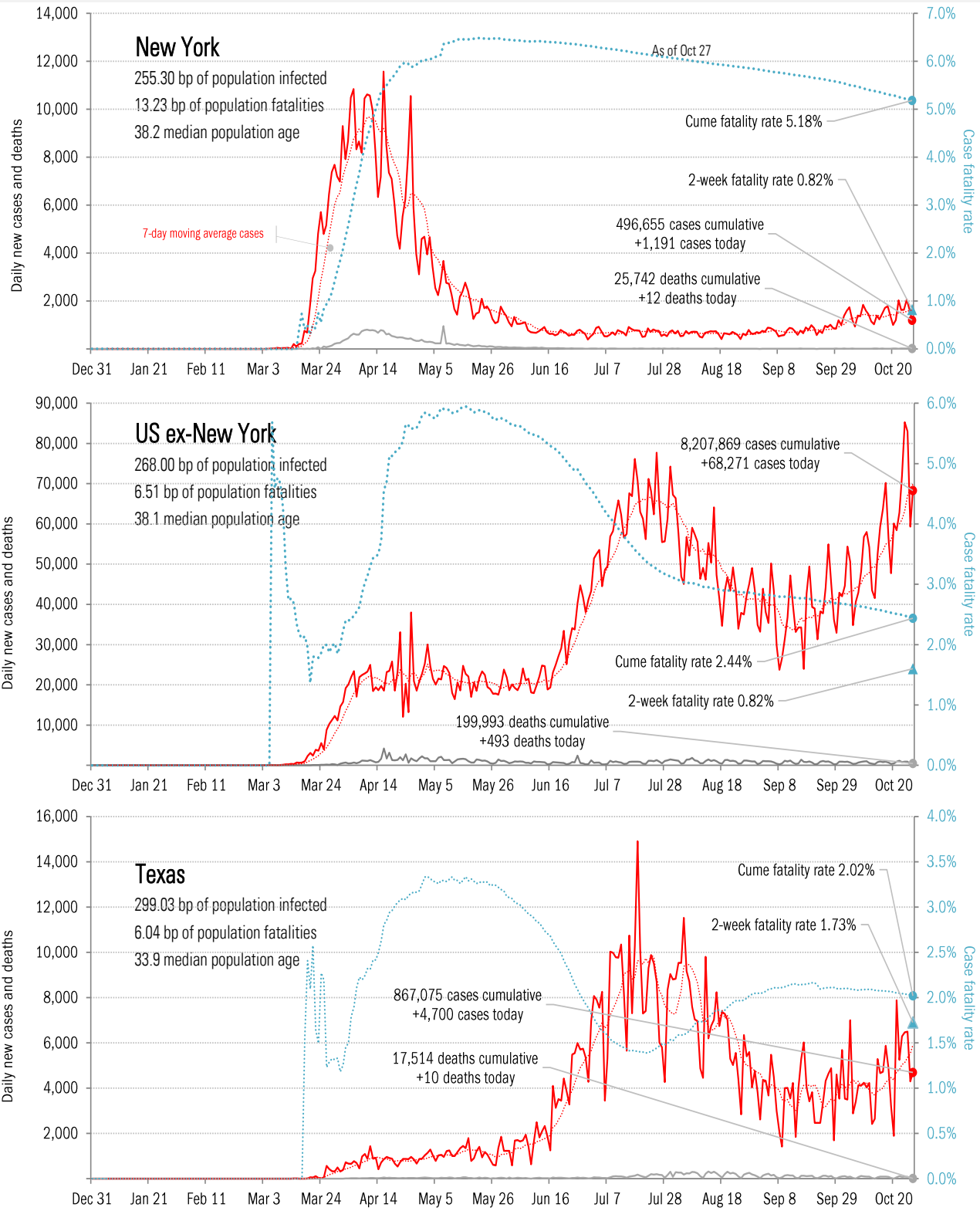


## Healthcare system stress, **peak** and **ultimate** estimated at each model revision



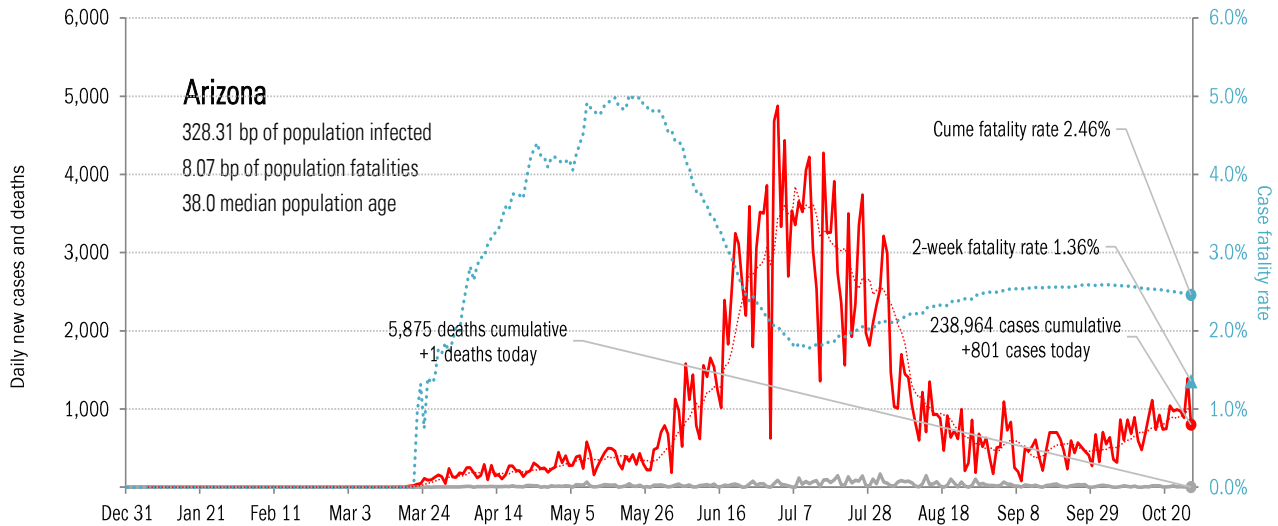
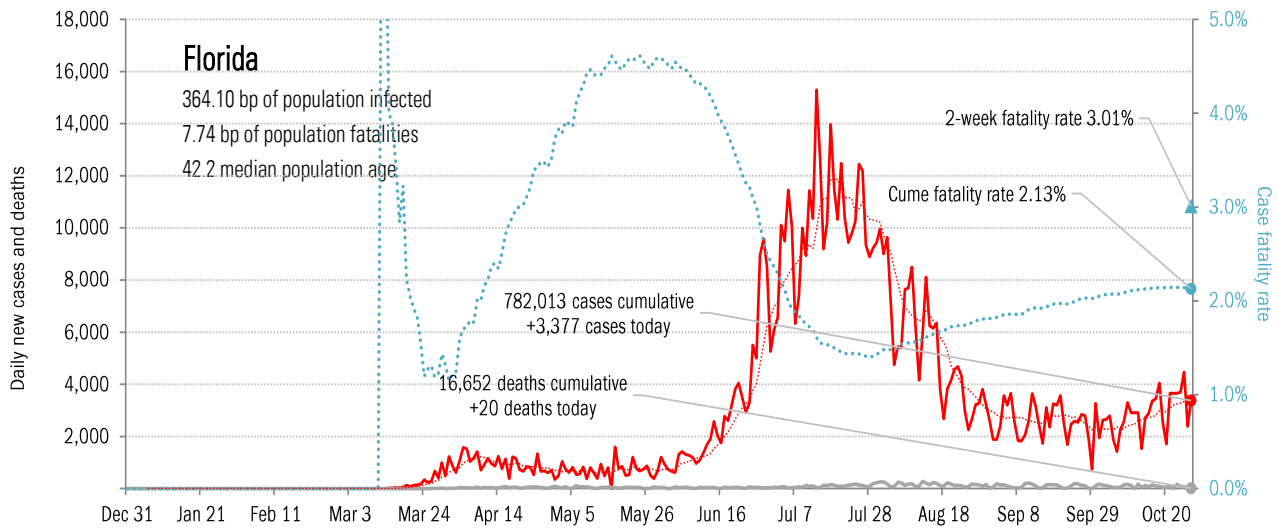
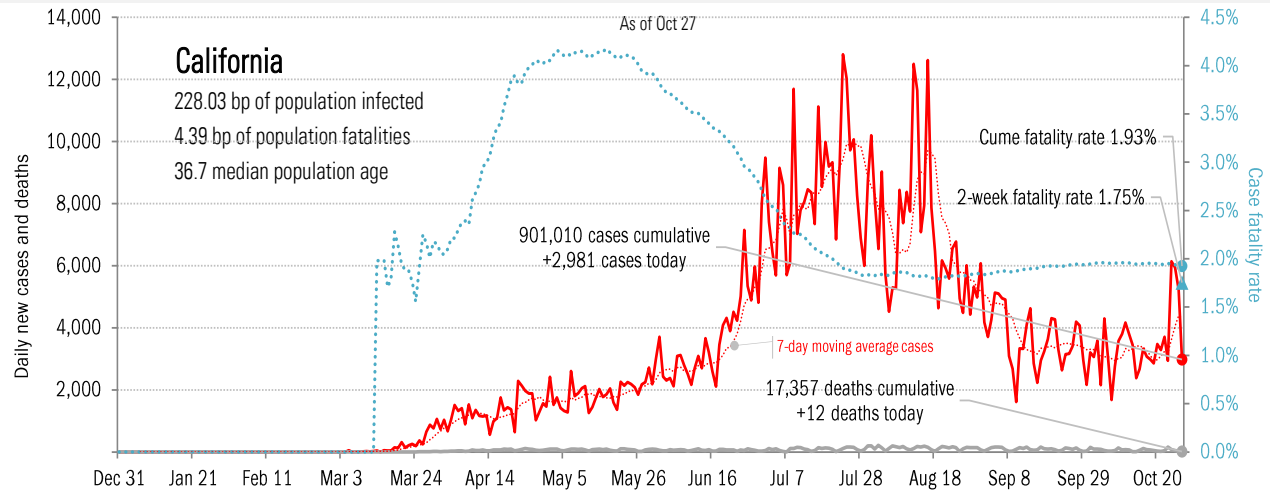
Source: [ECDC](#), [IHME](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



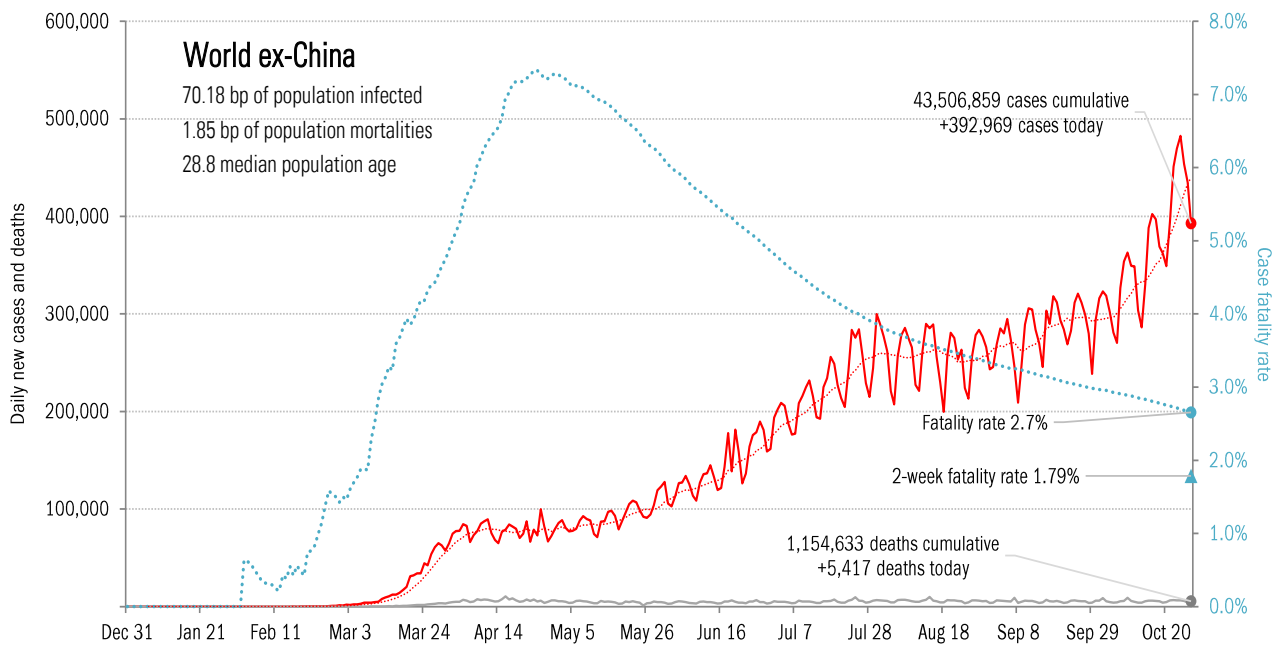
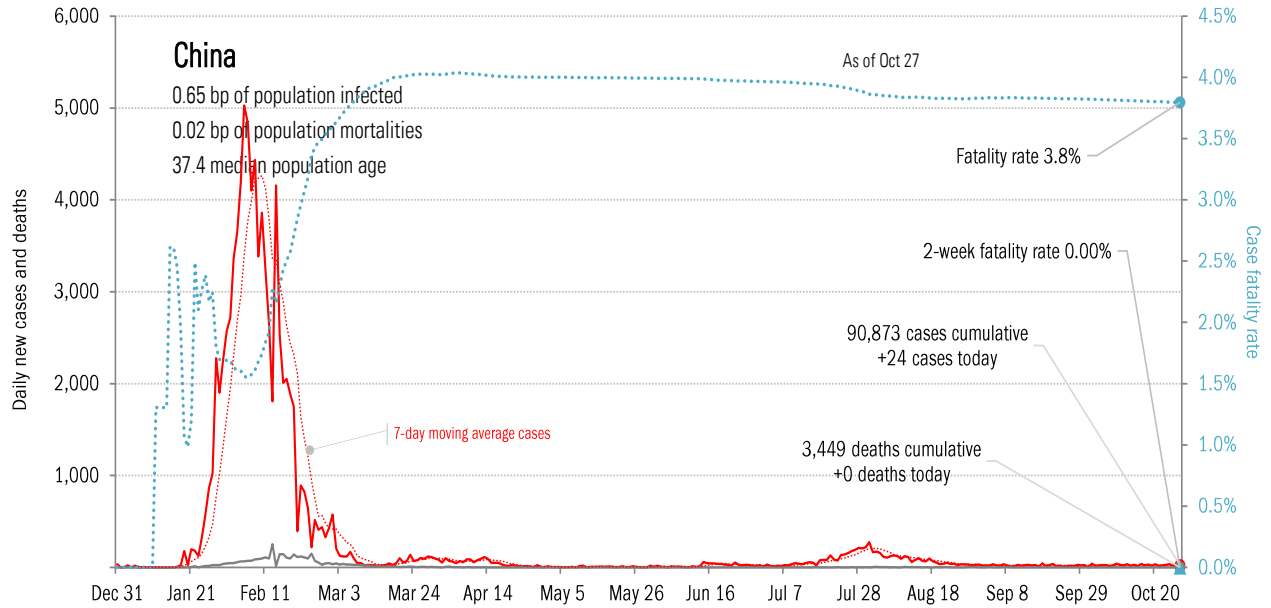
Source: [ECDC](#), TrendMacro calculations

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



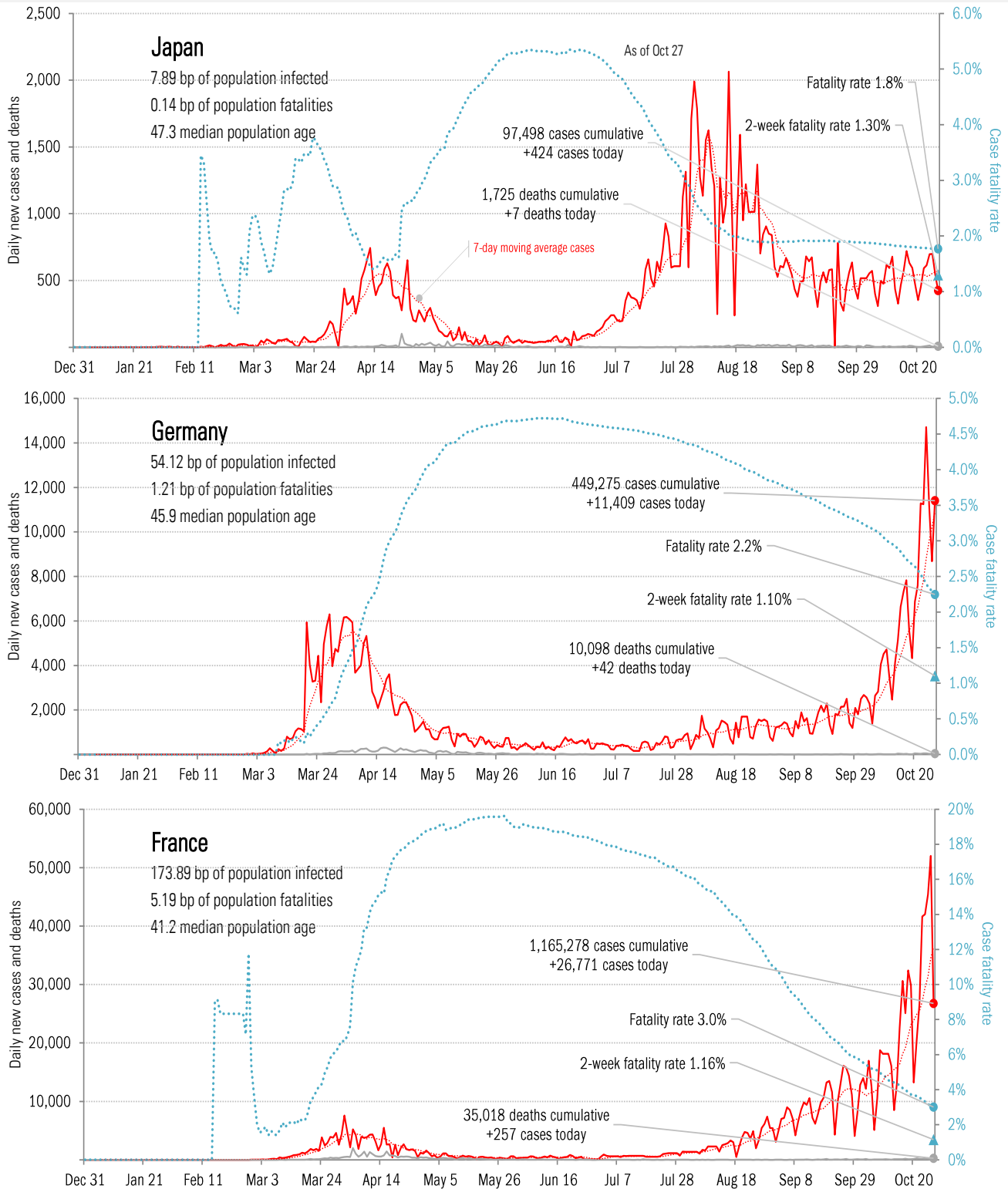
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



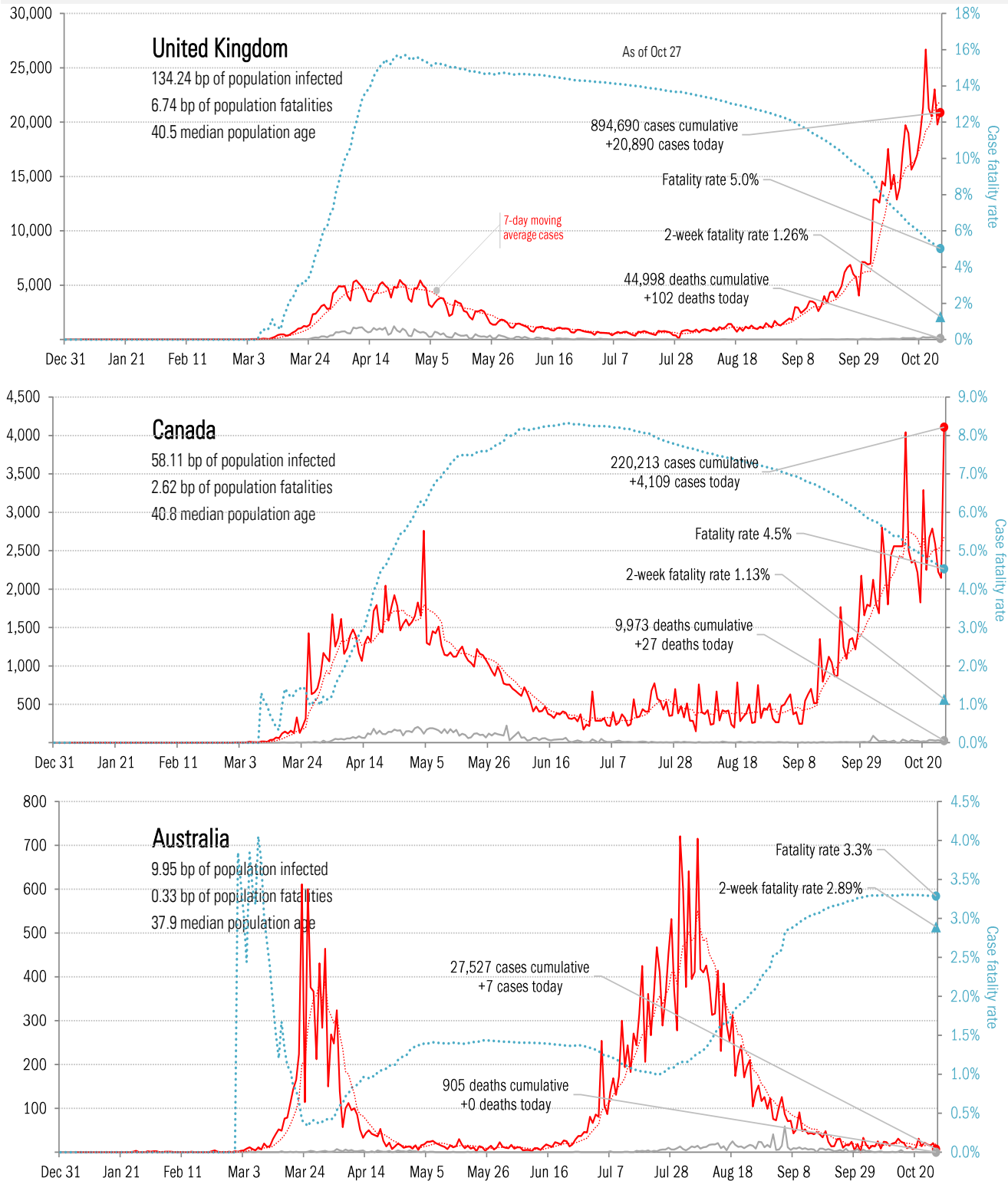
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



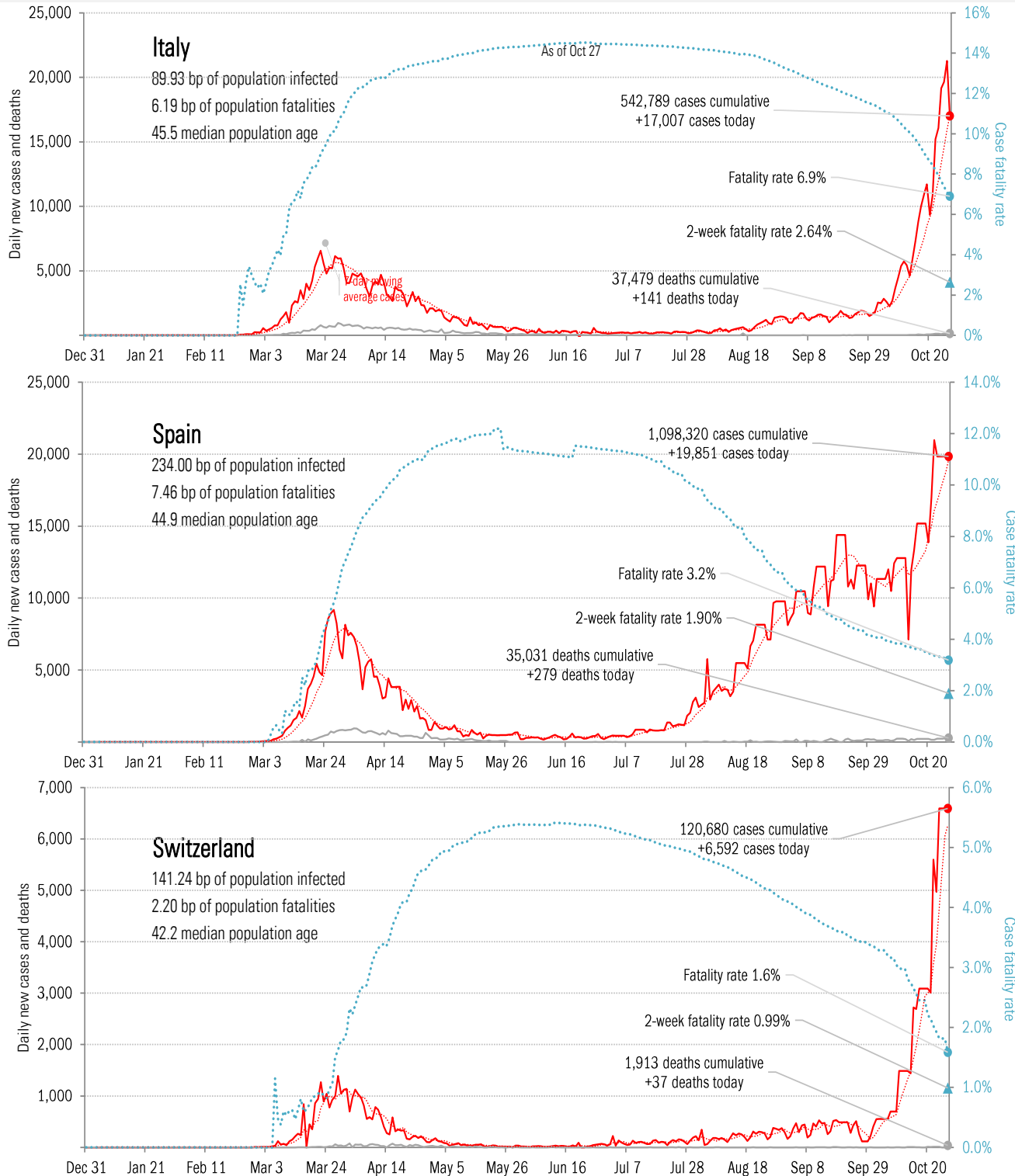
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



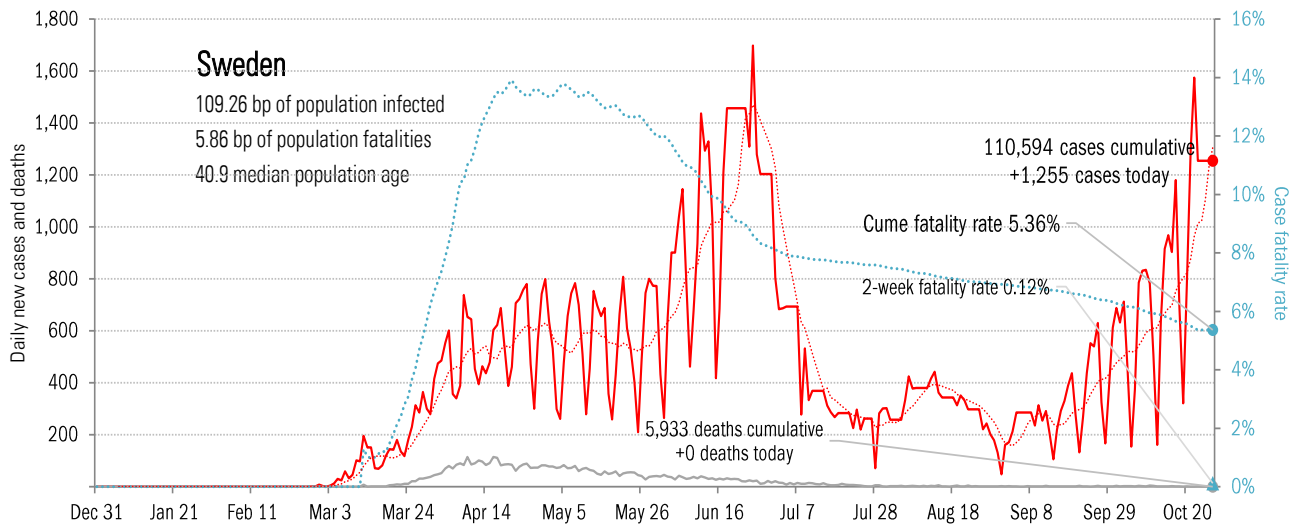
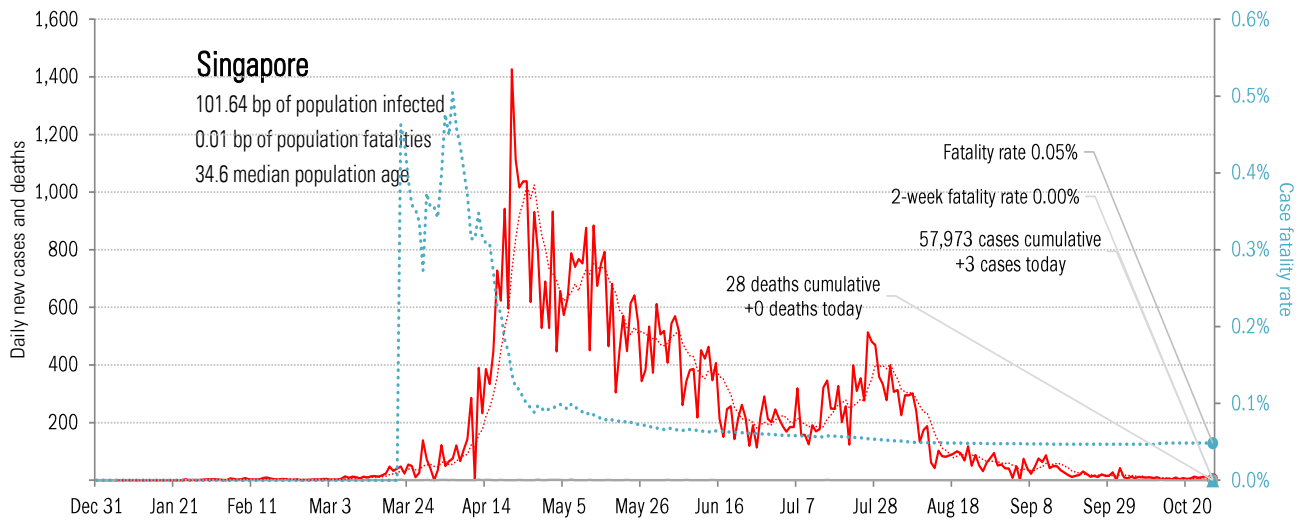
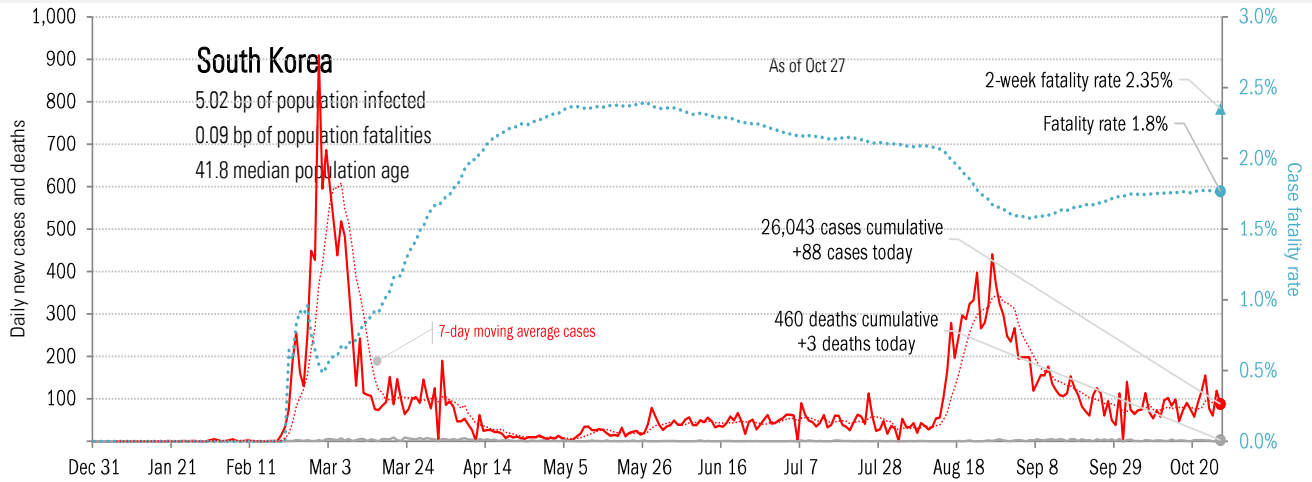
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



Source: [ECDC](#), TrendMacro calculations

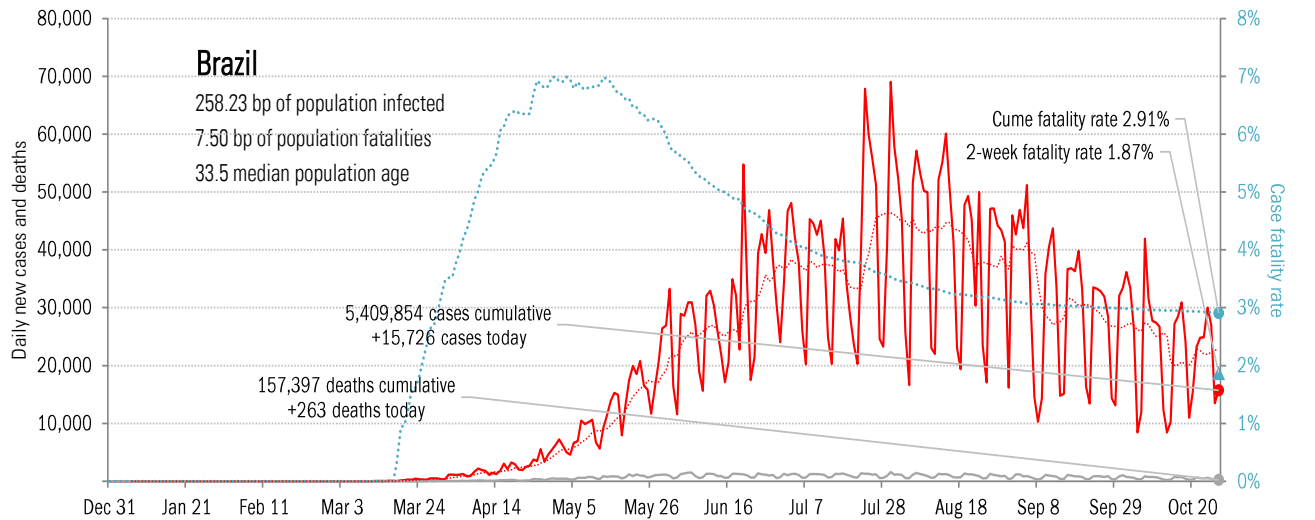
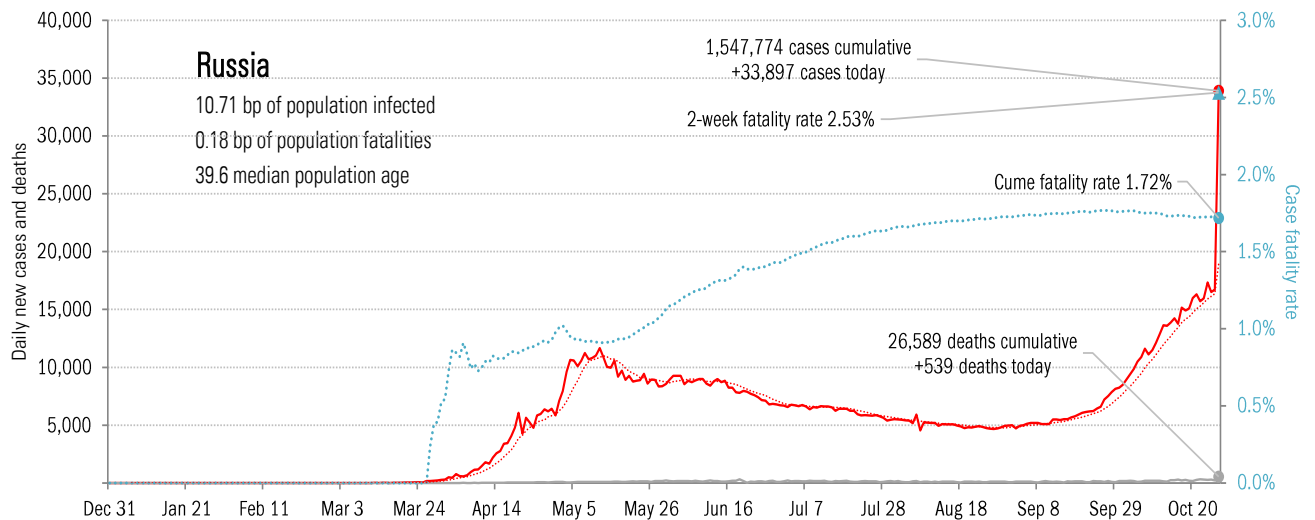
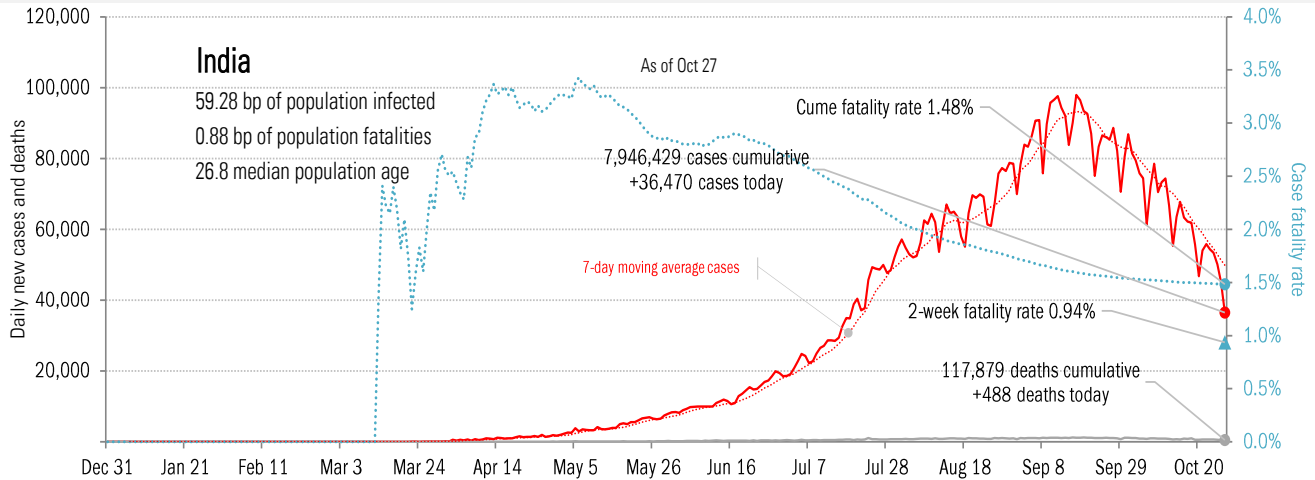
# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

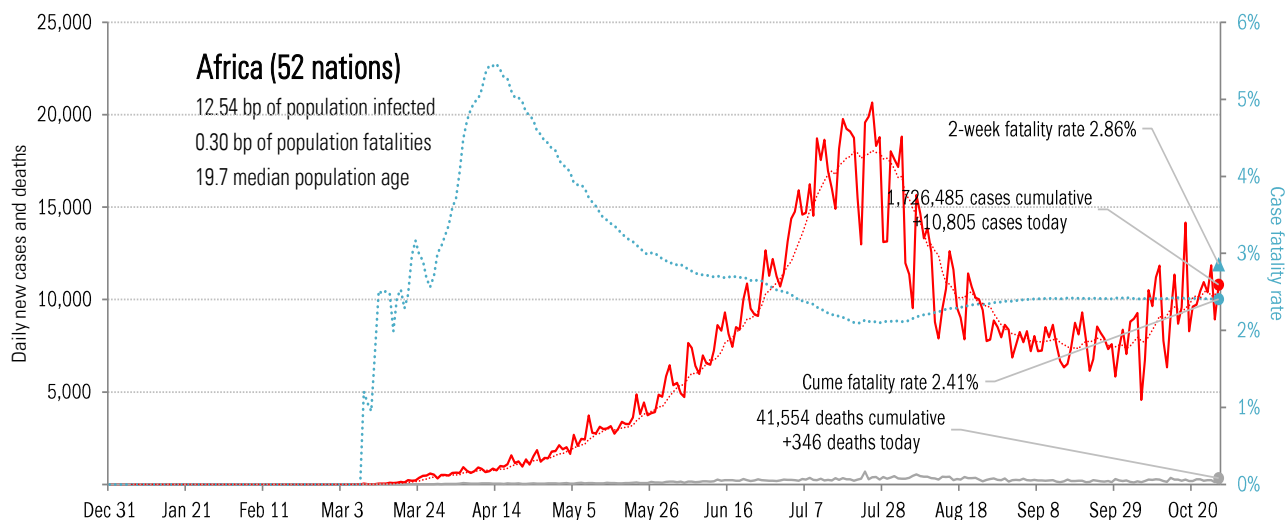
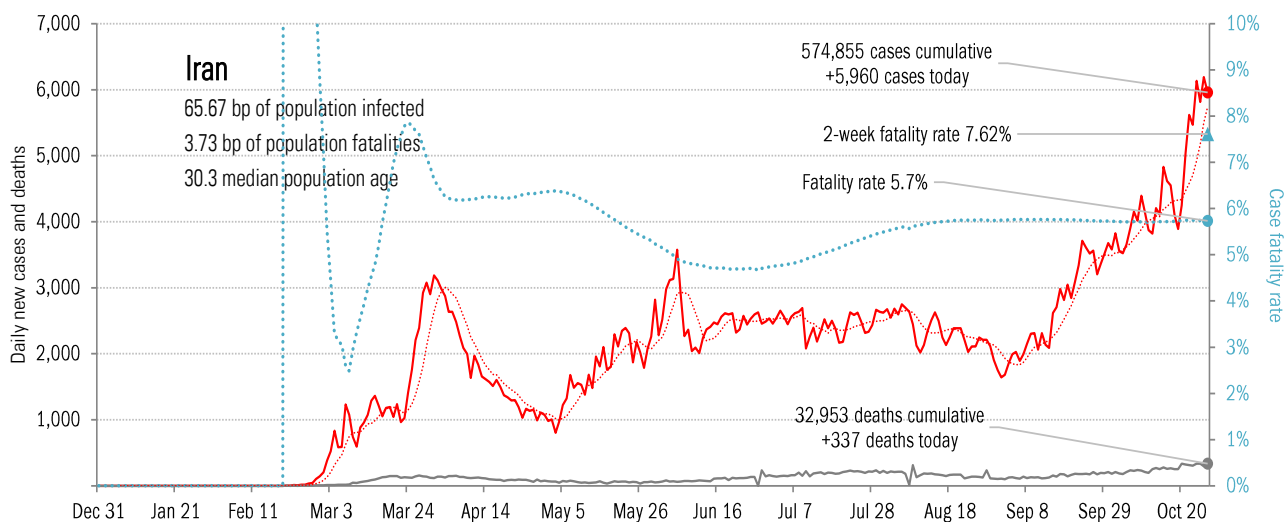
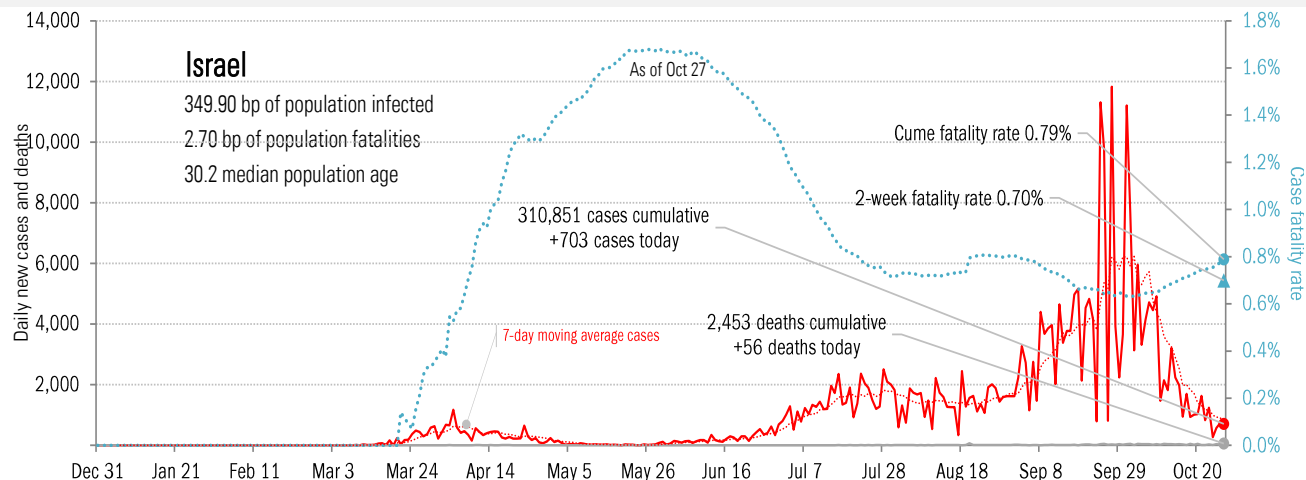


# Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations