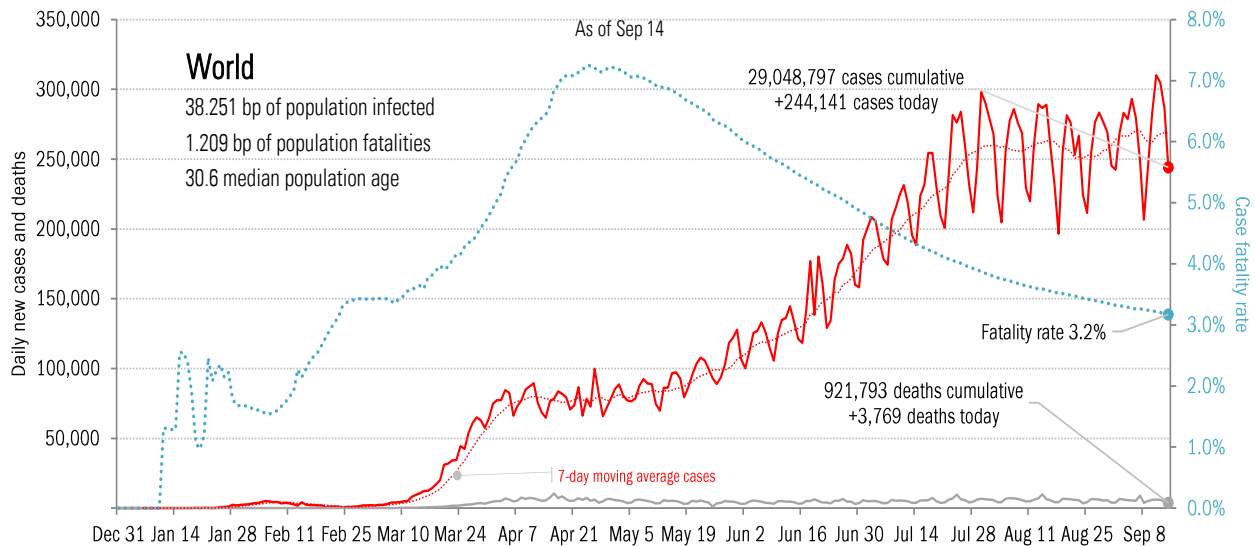
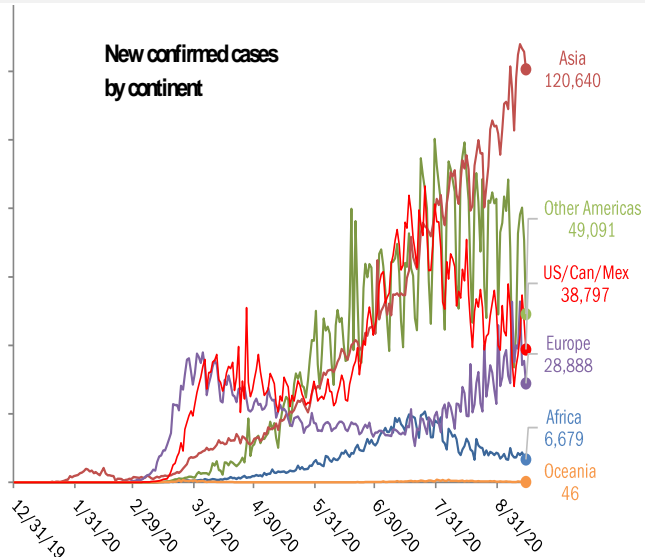


## Data Insights: Covid-2019 Monitor

Monday, September 14, 2020

### The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+92,071	India	+1,136
US	+33,871	Brazil	+415
Brazil	+14,768	US	+378
Argentina	+10,778	Mexico	+217
Colombia	+7,355	Colombia	+190
France	+7,183	Iran	+128
Peru	+6,787	Peru	+117
Russia	+5,449	Argentina	+101
Mexico	+4,408	Russia	+94
Indonesia	+3,625	Philippines	+79
<b>+186,295</b>		<b>+2,855</b>	
World	<b>+244,141</b>	World	<b>+3,769</b>
Top ten	<b>76%</b>	Top ten	<b>76%</b>



Source: [ECDC](#), TrendMacro calculations

#### For more information contact us:

Donald Luskin: 312 273 6766 [don@trendmacro.com](mailto:don@trendmacro.com)  
 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

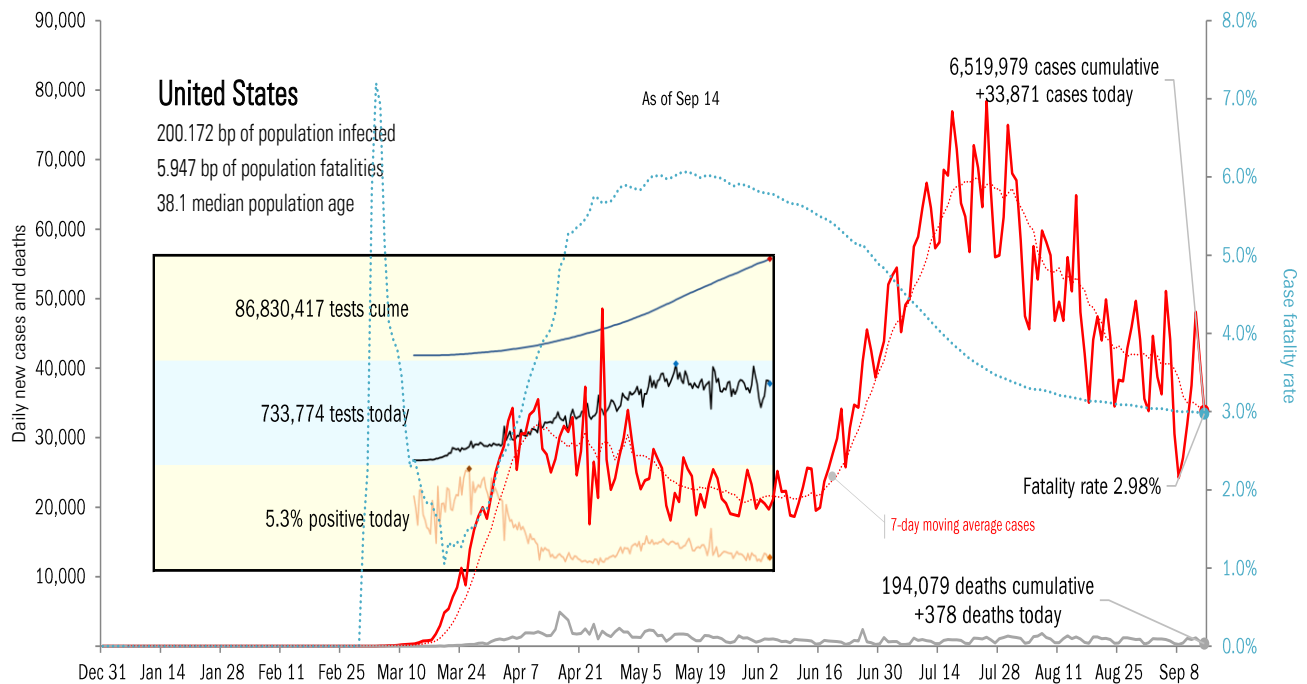
National and state-by-state data do not line up because of different sources

## The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
TX	+6,078	TX	+193	FL	+82	CA	754,923	NY	25,390	NY	89,995
CA	+4,625	CA	+78	WA	+63	FL	663,994	NJ	16,031	FL	41,769
FL	+2,423	GA	+46	MD	+55	TX	659,434	CA	14,329	GA	26,369
SC	+1,886	LA	+33	VA	+51	NY	444,365	TX	14,190	NJ	22,963
WI	+1,624	SC	+24	GA	+42	GA	294,314	FL	12,764	AZ	21,773
MO	+1,613	IL	+14	AR	+41	IL	263,466	MA	9,210	VA	17,322
IL	+1,462	MA	+14	IN	+39	AZ	208,512	IL	8,541	AL	15,527
GA	+1,409	TN	+14	MN	+32	NJ	196,634	PA	7,837	MD	14,851
LA	+1,281	MN	+13	TN	+31	NC	184,936	MI	6,911	CH	14,314
IN	+1,243	AR	+12	CH	+30	TN	171,824	GA	6,333	MA	12,431
<b>+23,644</b>		<b>+441</b>		<b>+466</b>		<b>3,842,402</b>		<b>121,536</b>		<b>277,314</b>	
All states	+38,543	All states	+532	All states	+617	All states	6,487,751	All states	186,162	All states	386,655
Top ten	61%	Top ten	83%	Top ten	76%	Top ten	59%	Top ten	65%	Top ten	72%

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
PA	-844	FL	-90	GA	-122	TX	+9,765
MI	-807	CA	-84	WY	-119	TN	+918
FL	-767	TN	-25	FL	-111	WI	+841
AR	-727	AZ	-20	OK	-28	CH	+840
GA	-715	NC	-19	AZ	-26	MN	+811



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

## Recommended reading

[Conflicting Virus Data in Texas Raises Distrust of the Government](#)

Amy Schoenfeld Walker and Lisa Waananen Jones  
*New York Times*  
September 13, 2020

[Changes forced by lockdown creates rare opportunity for small businesses](#)

Chris Giles  
*Financial Times*  
September 13, 2020

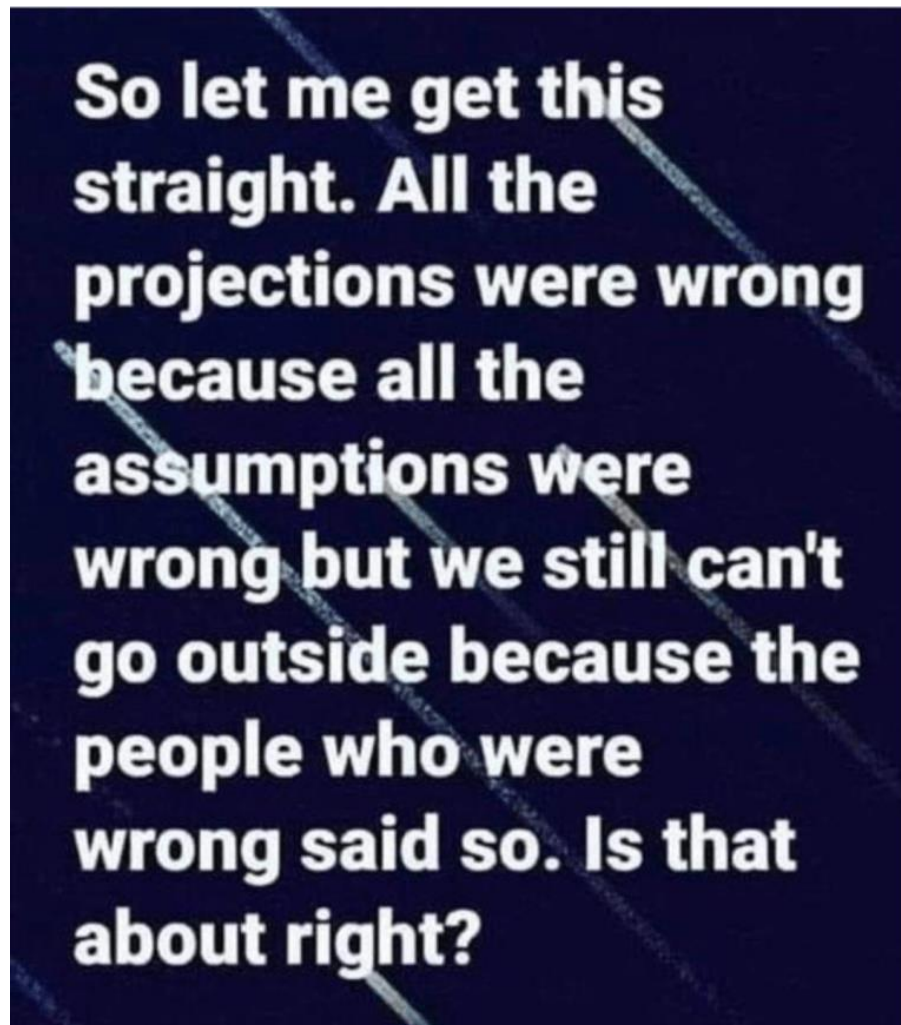
[The alarming downward spiral of downtown Chicago. Is a comeback possible?](#)

*Chicago Tribune*  
September 11, 2020

[The cure is worse than the disease: Dr JOHN LEE argues that the coronavirus lockdown could cause more long-term harm than the illness itself](#)

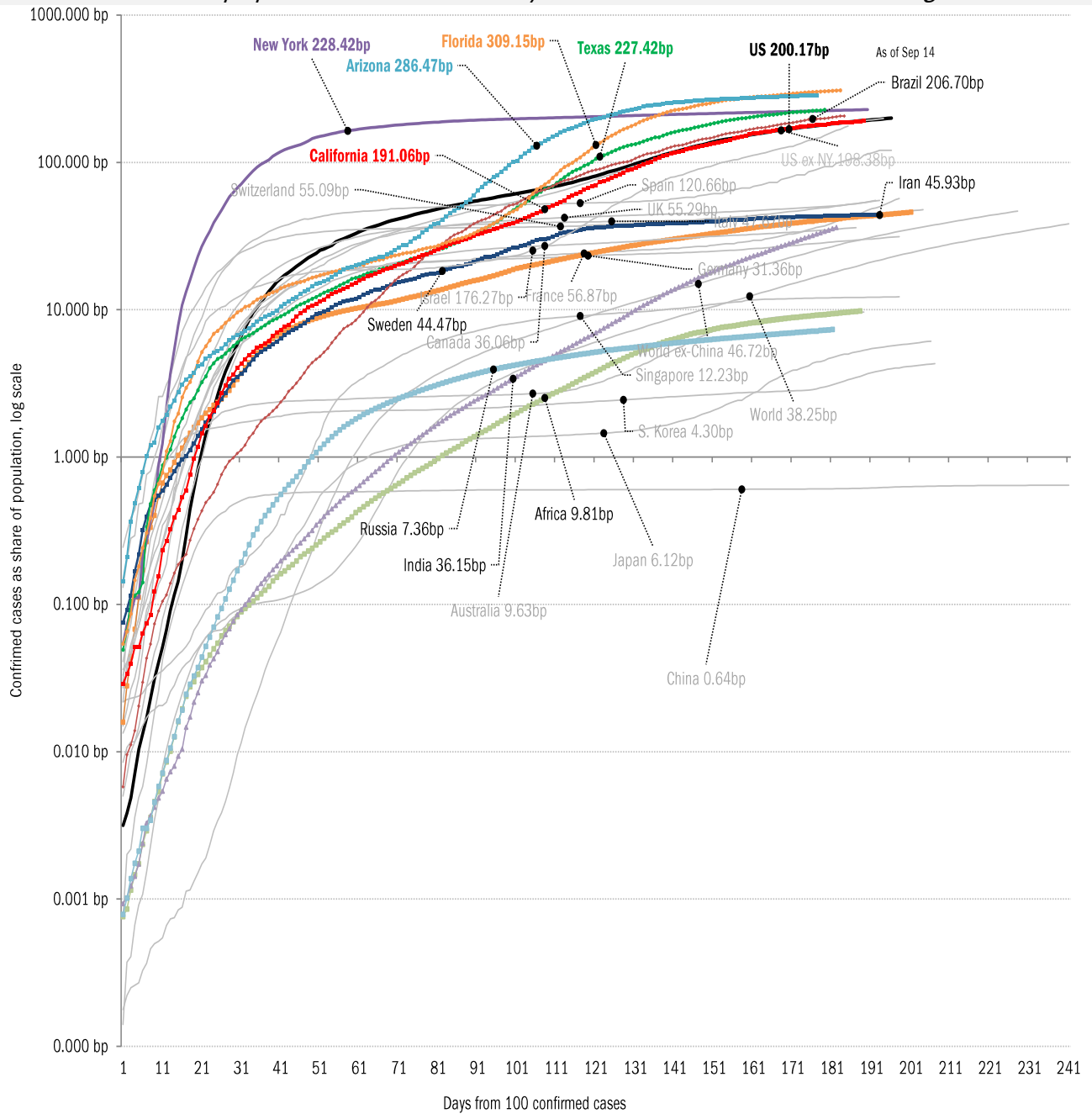
John Lee  
*Daily Mail*  
September 13, 2020

## Meme of day



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

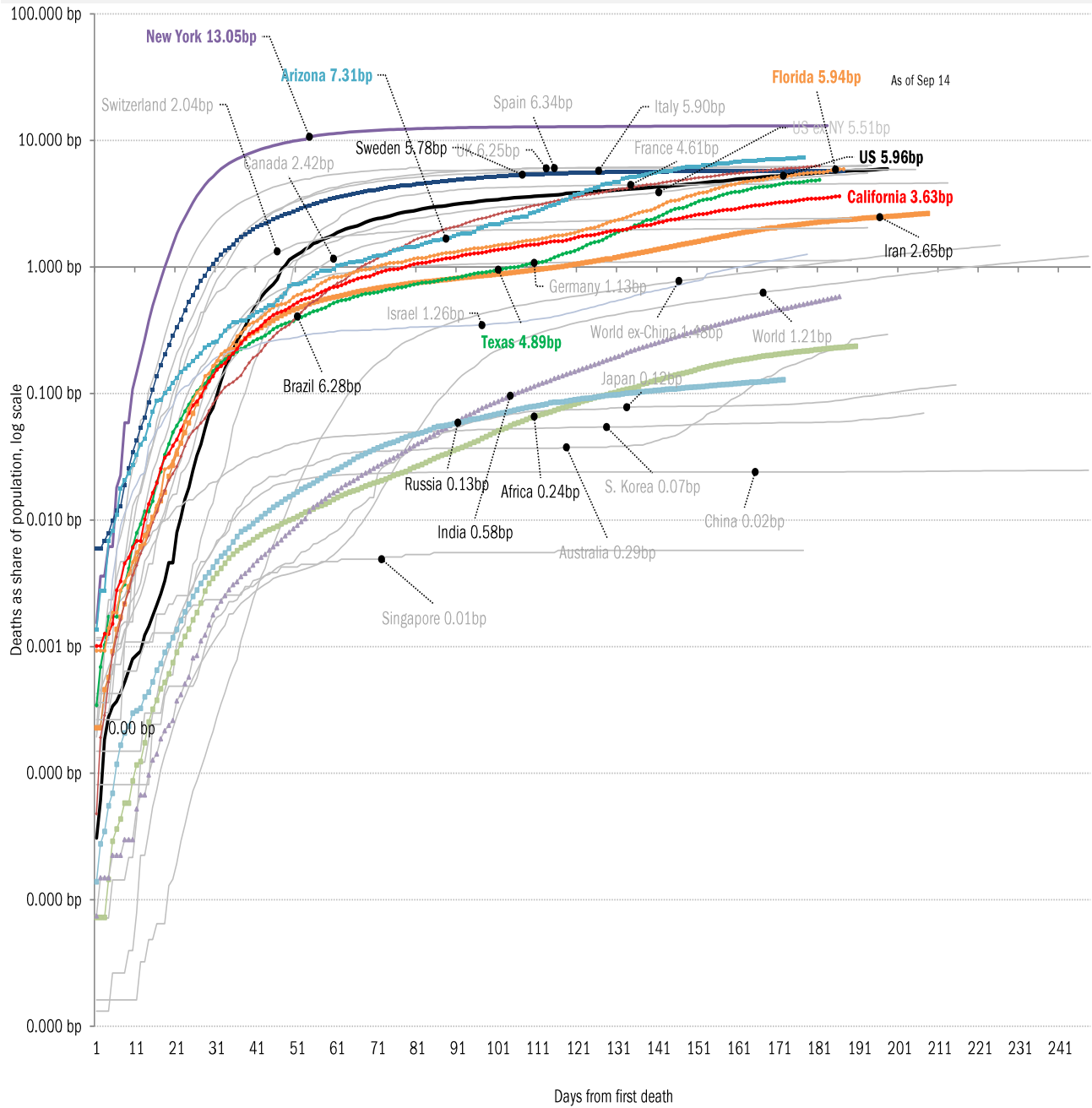
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [ECDC](#), TrendMacro calculations

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

## Share of deceased population from day of first fatality

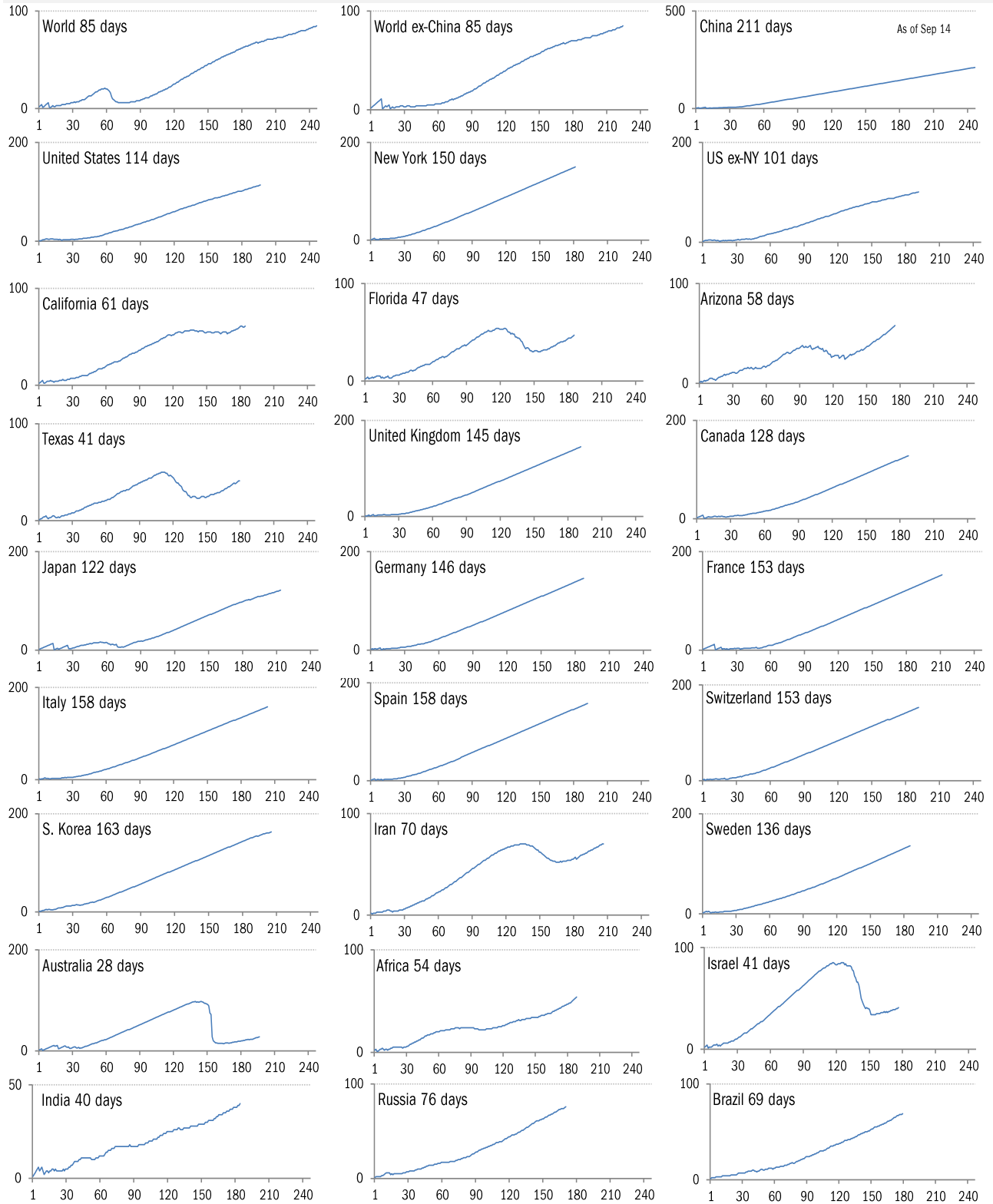


Source: [ECDC](#), TrendMacro calculations

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

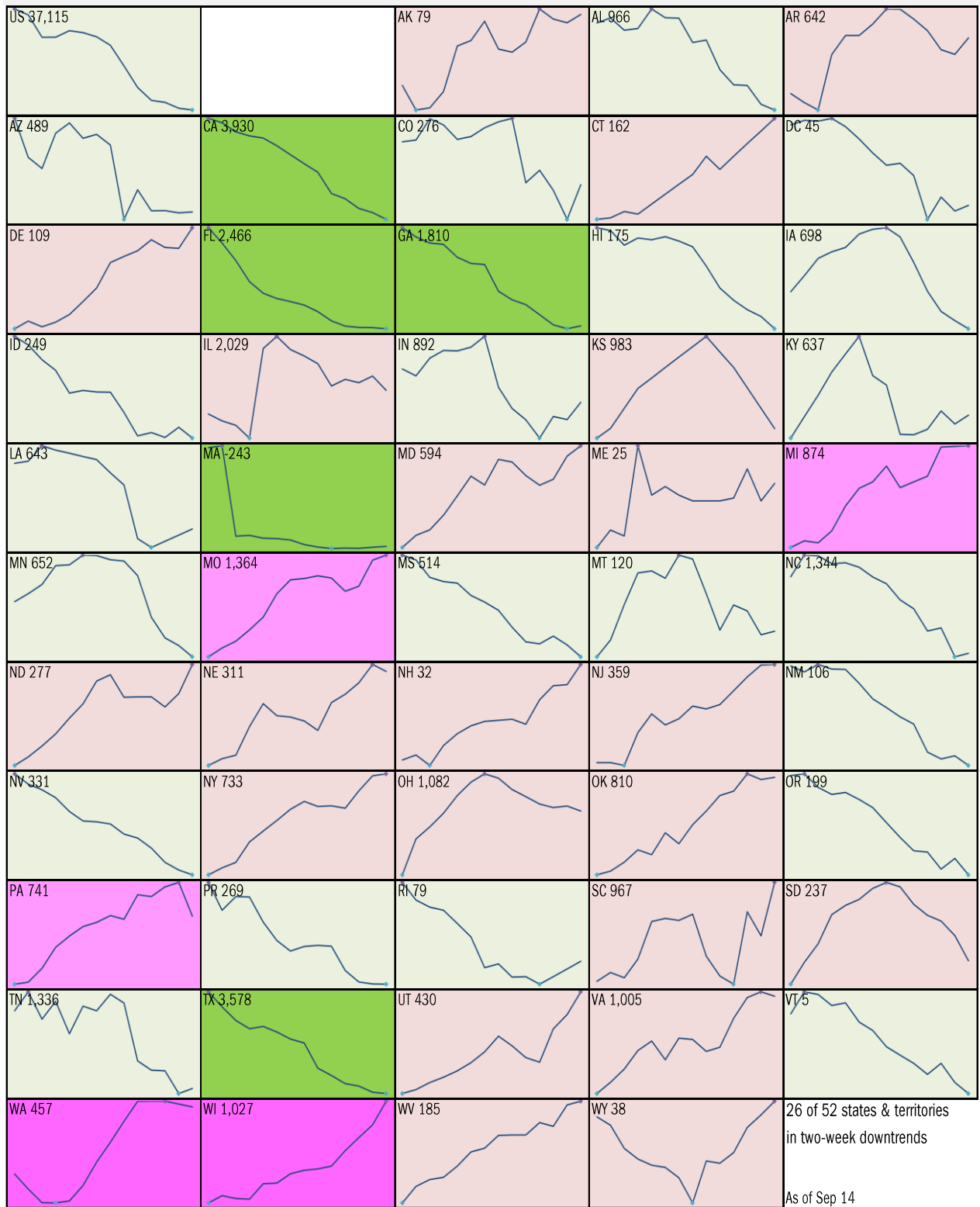
Vertical: days to double deaths Horizontal: days from first death

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

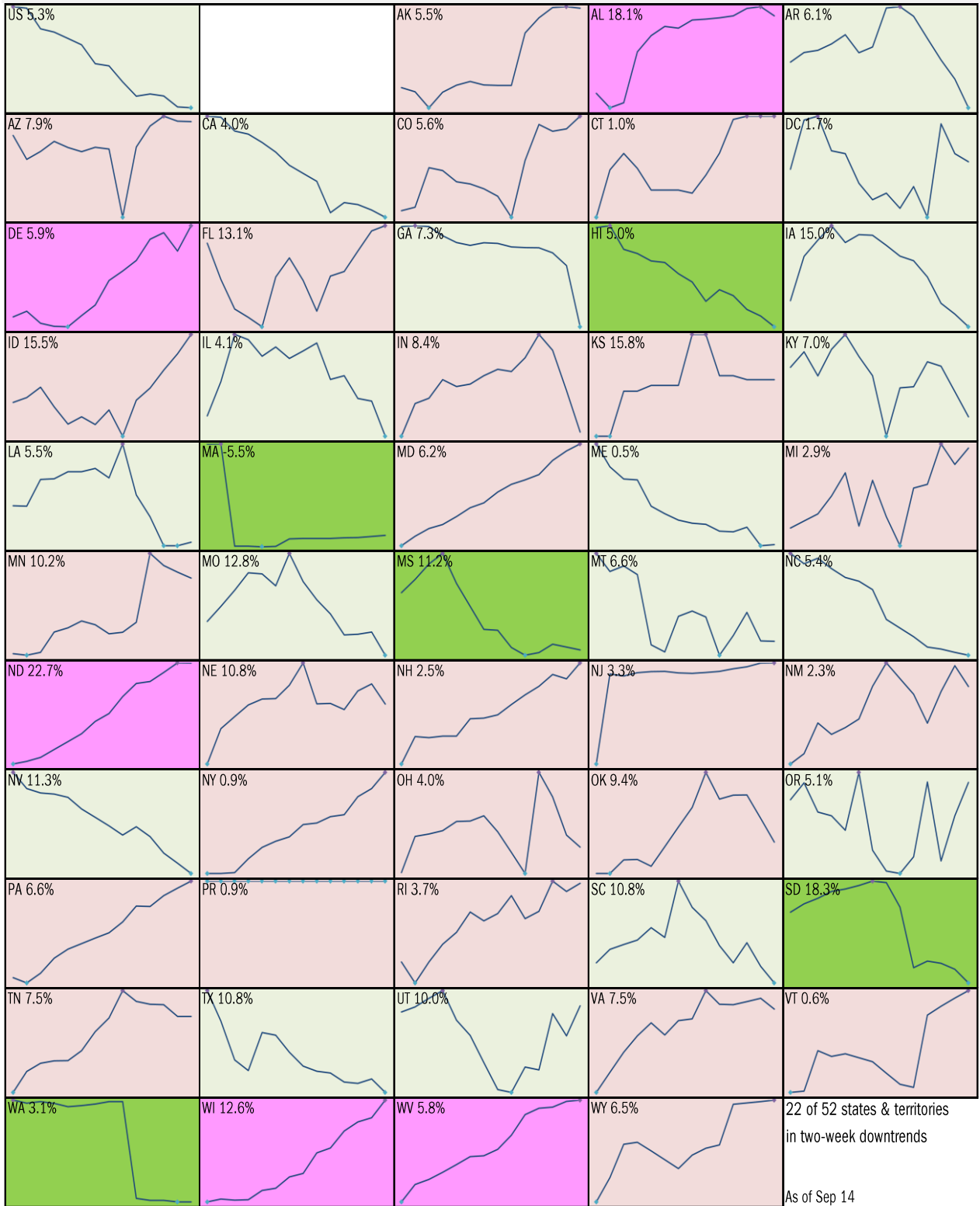


Source: [Covid Tracking Project](#), TrendMacro calculations

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

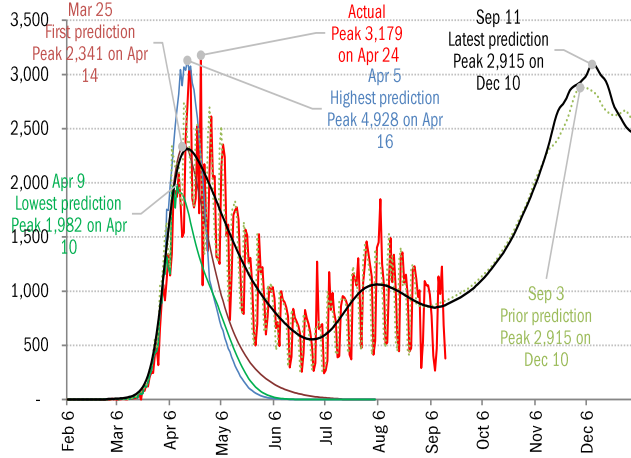


# Reality-checking the models: actuals versus [IHME](#) predictions

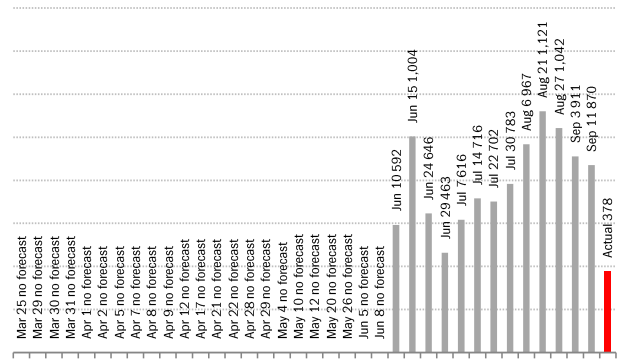
## New daily fatalities

As of Sep 14

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

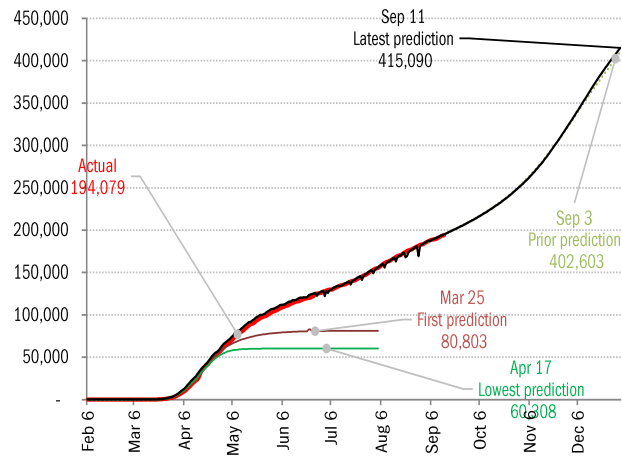


For this day, versus all model mean predictions

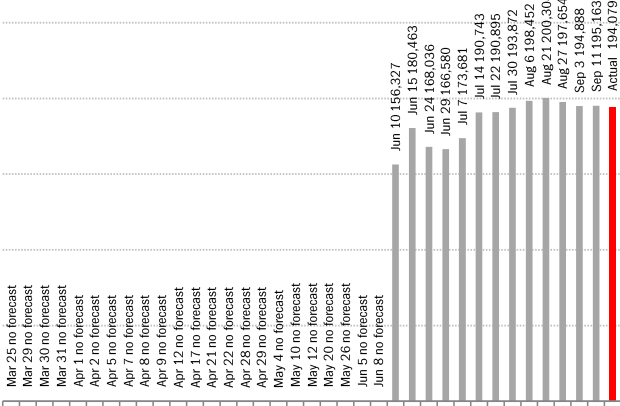


## Cumulative fatalities

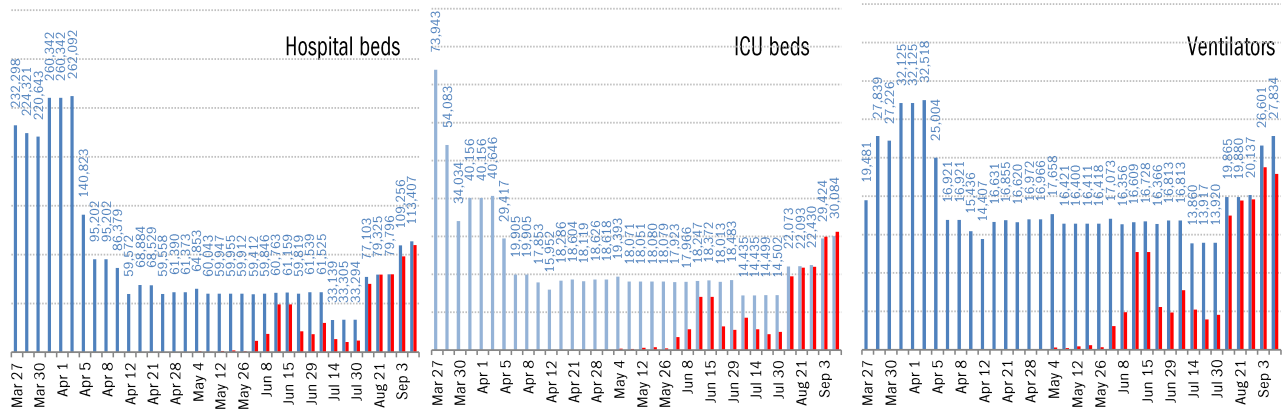
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

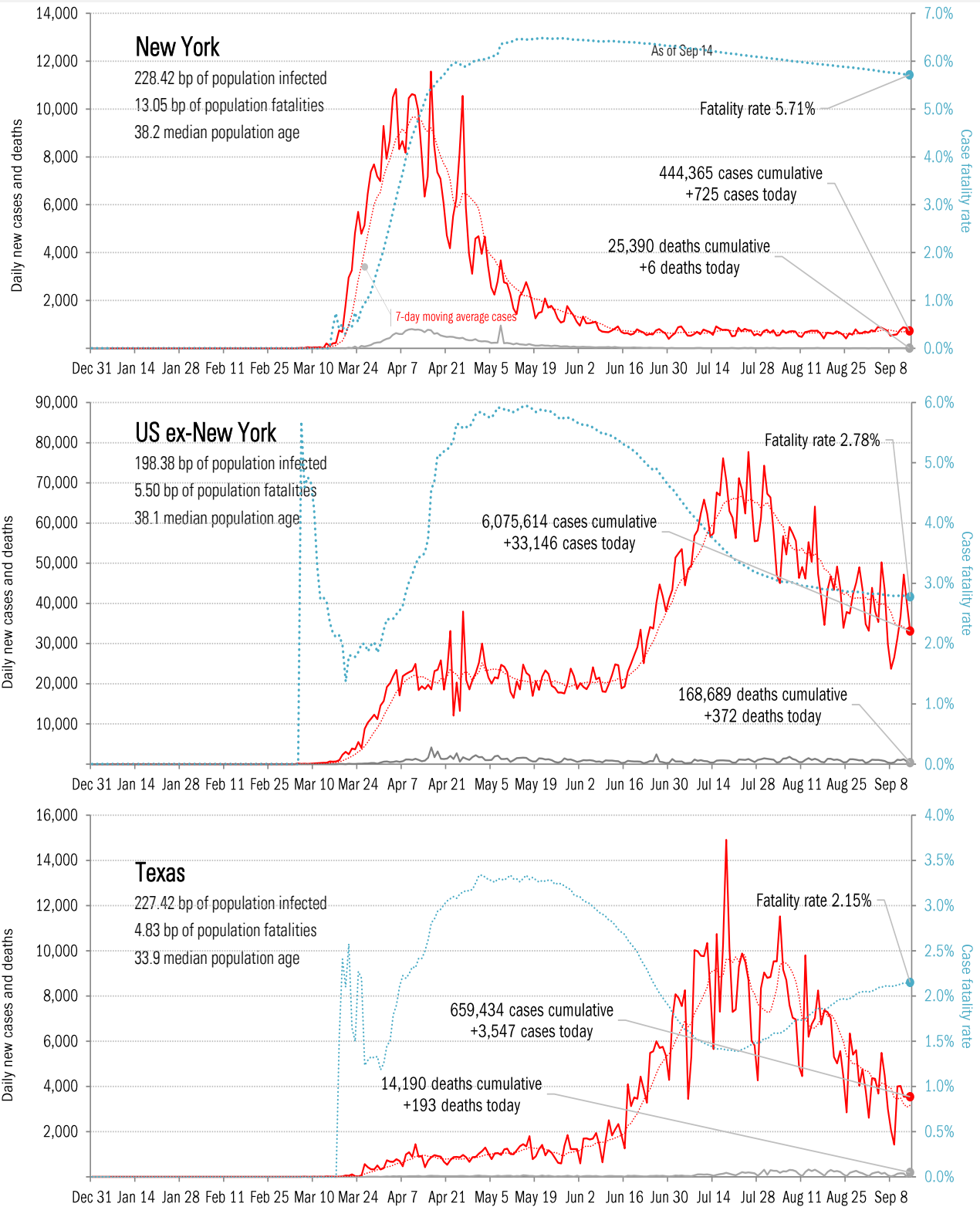


## Healthcare system stress, peak and ultimate estimated at each model revision



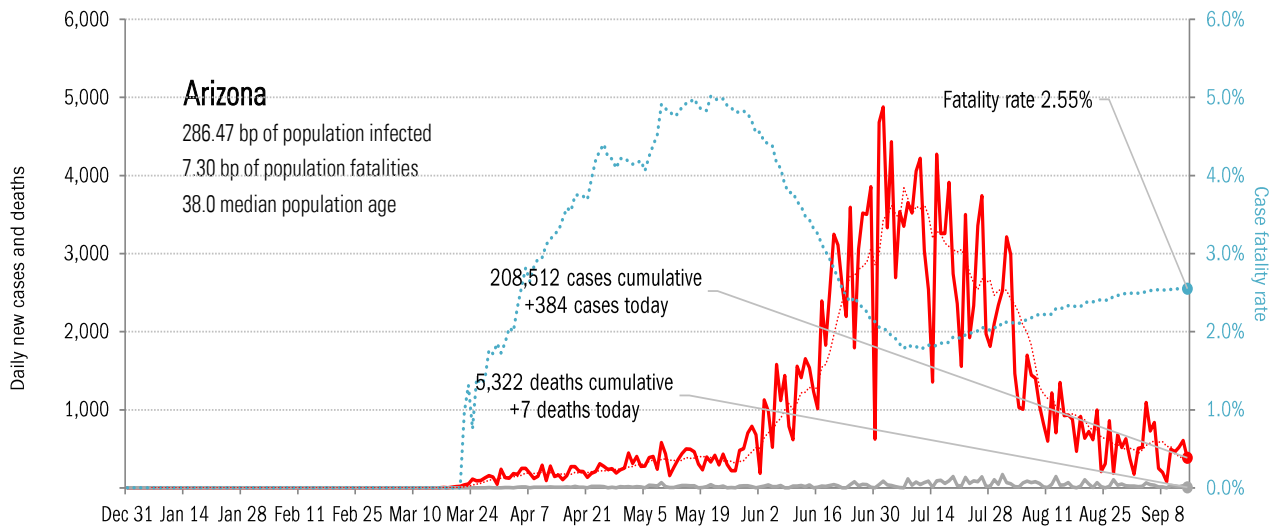
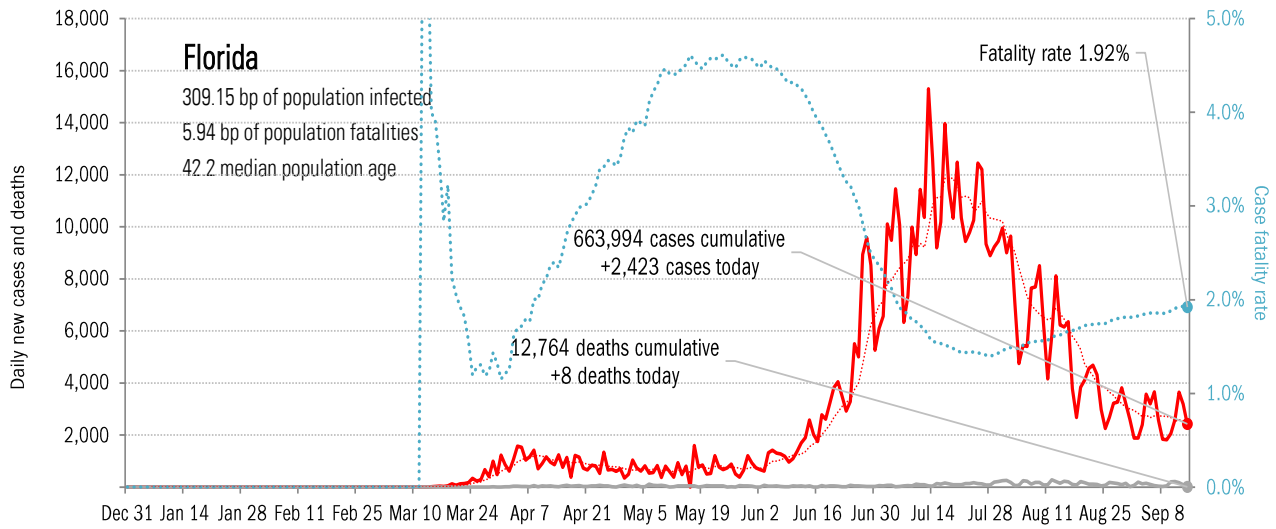
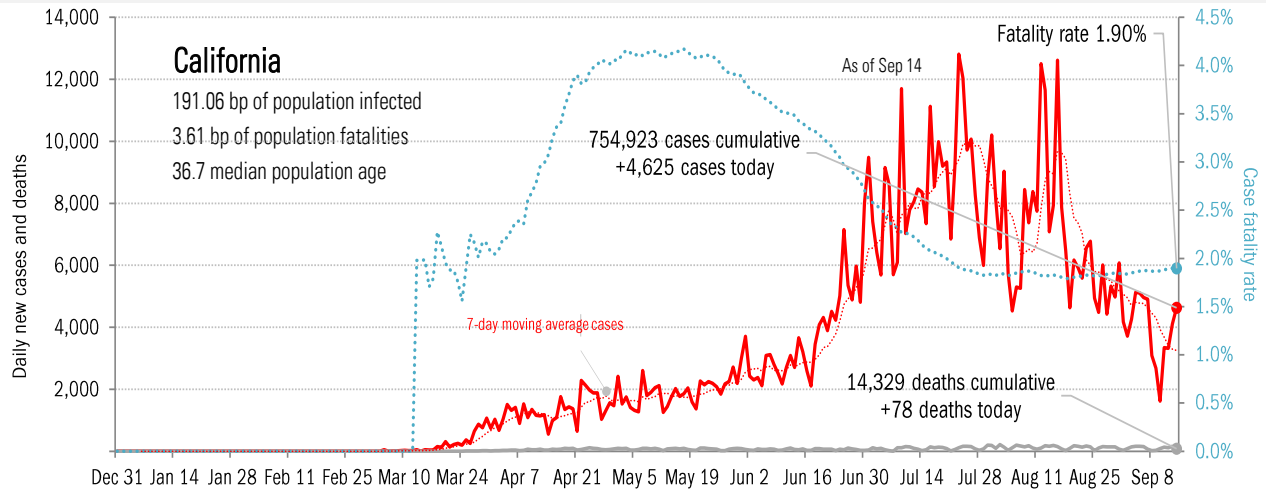
Source: [ECDC](#), [IHME](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



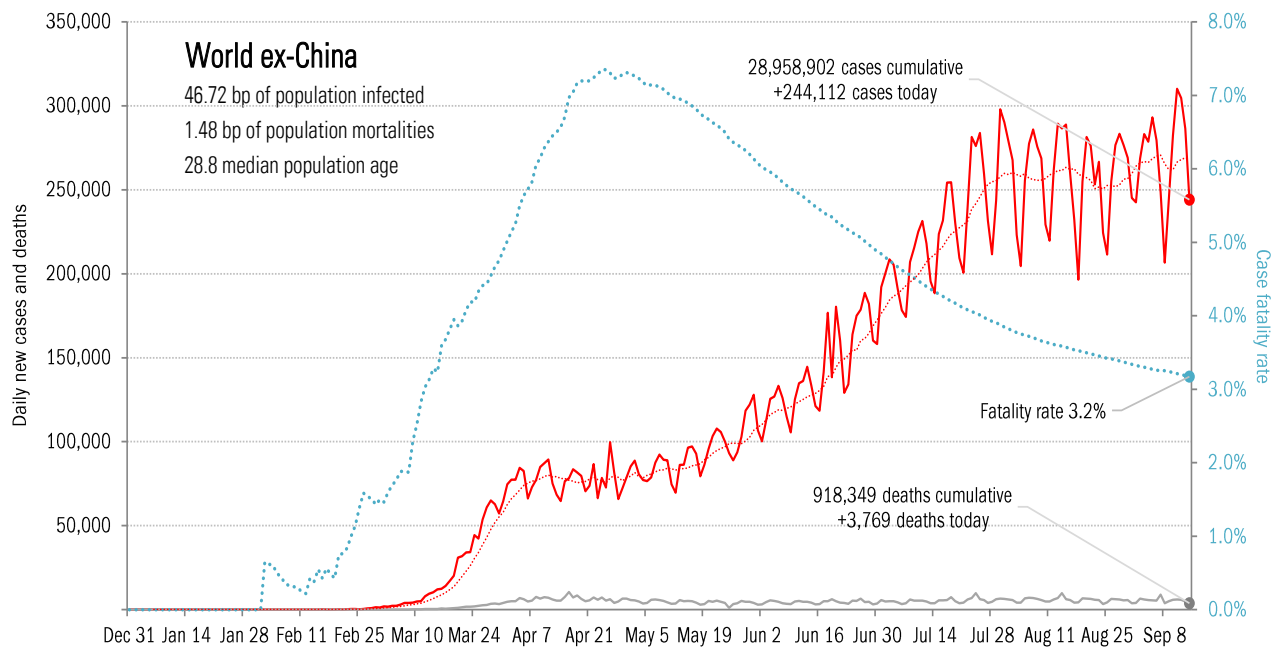
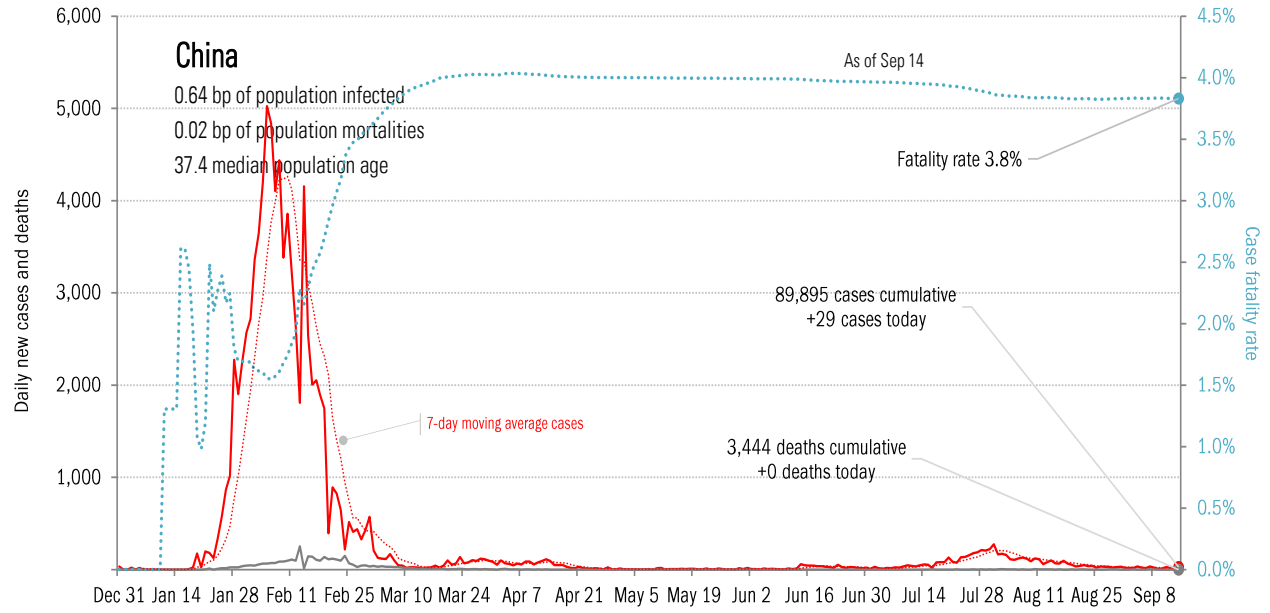
Source: [ECDC](#), TrendMacro calculations

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



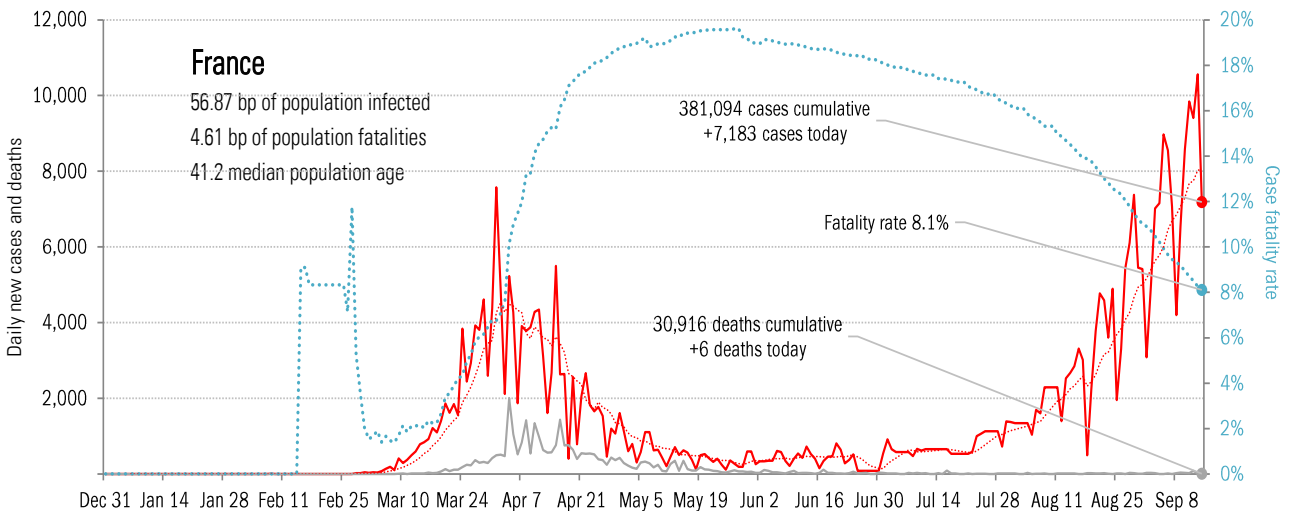
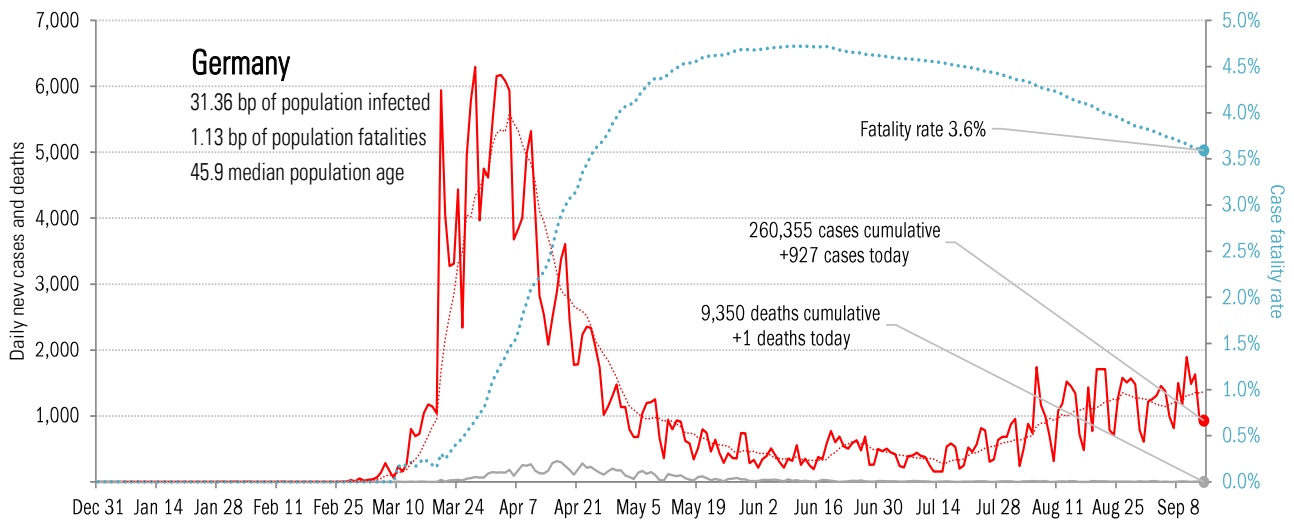
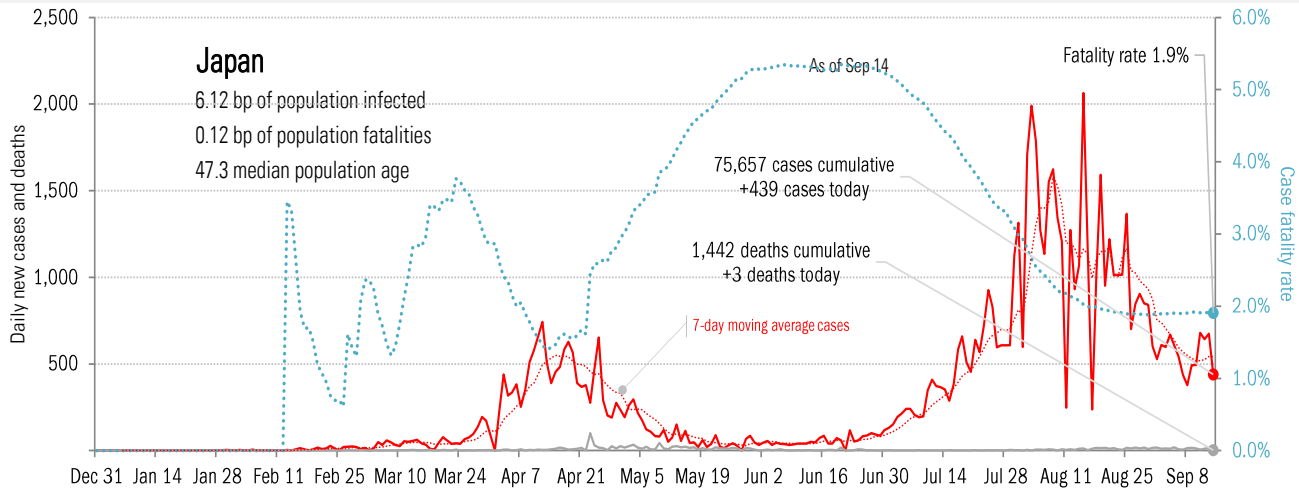
Source: [ECDC](#), TrendMacro calculations

# Patient zero... and then everyone else



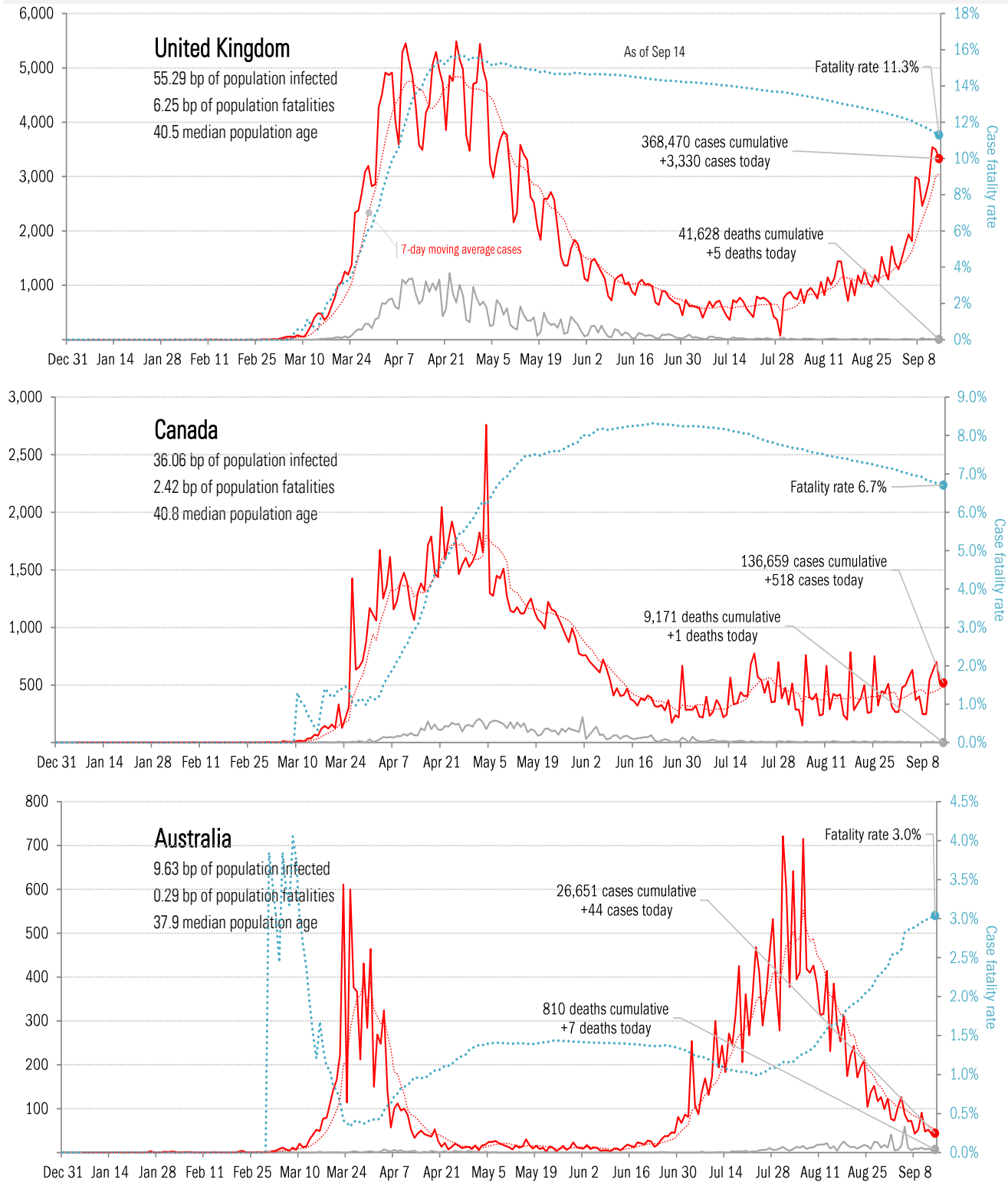
Source: [ECDC](#), TrendMacro calculations

# Impact in the largest economies



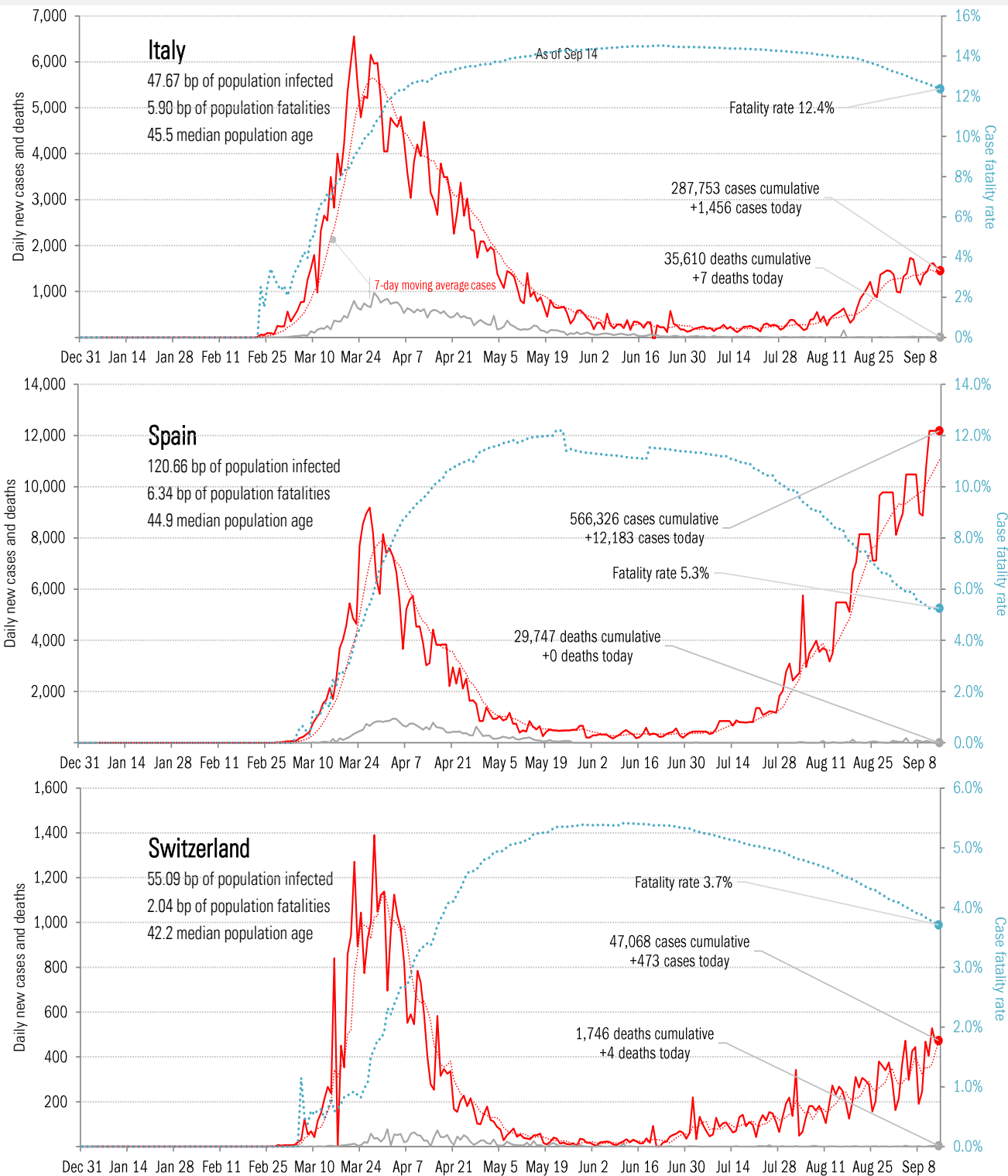
Source: [ECDC](#), TrendMacro calculations

# Impact in The Anglosphere



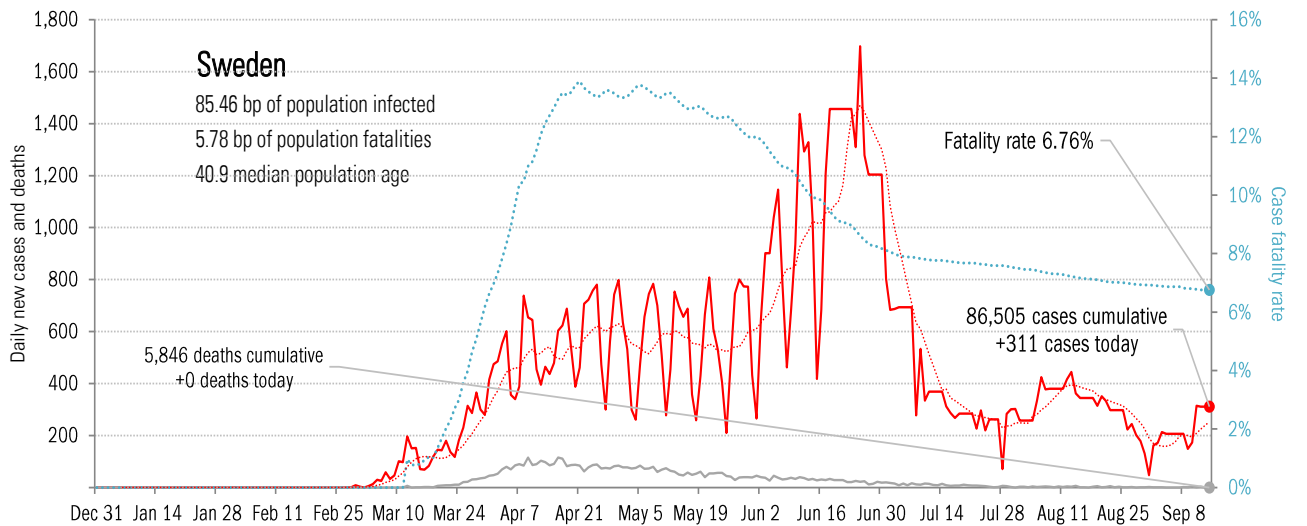
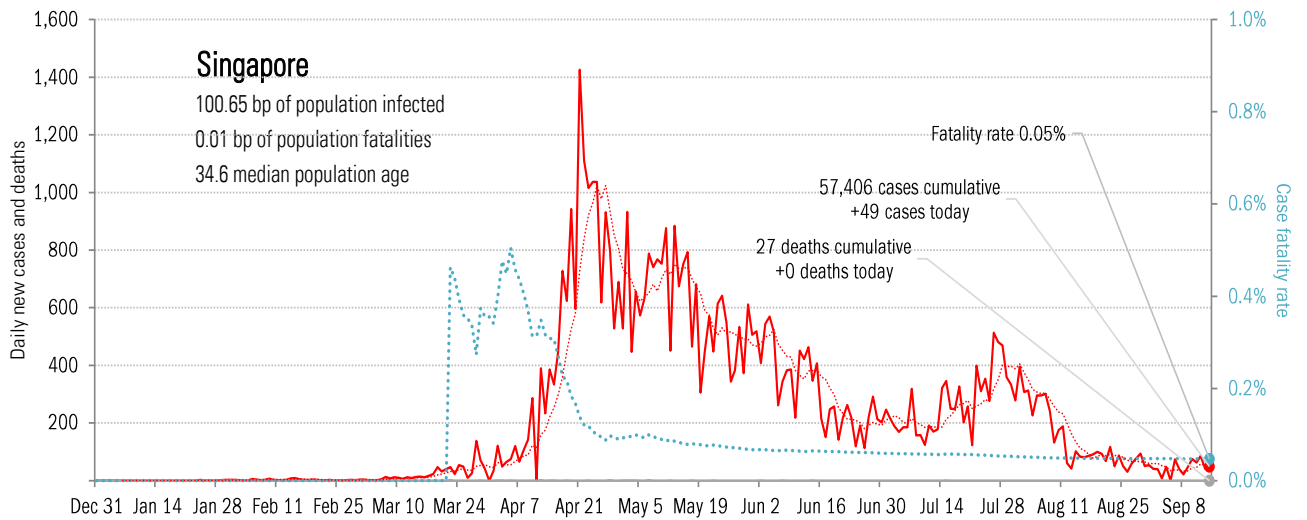
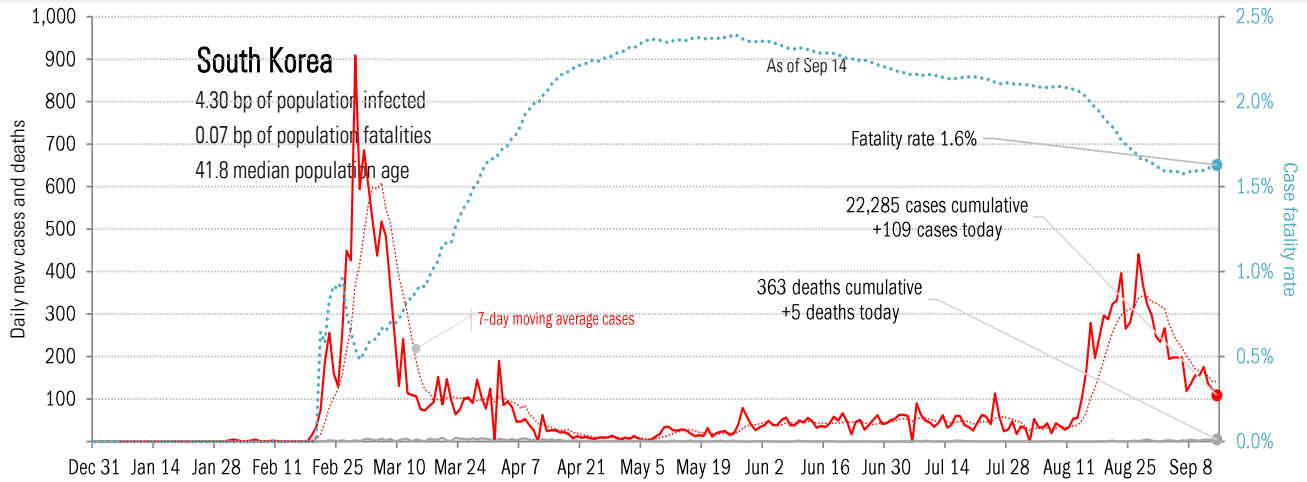
Source: [ECDC](#), TrendMacro calculations

# Impact in continental Europe



Source: [ECDC](#), TrendMacro calculations

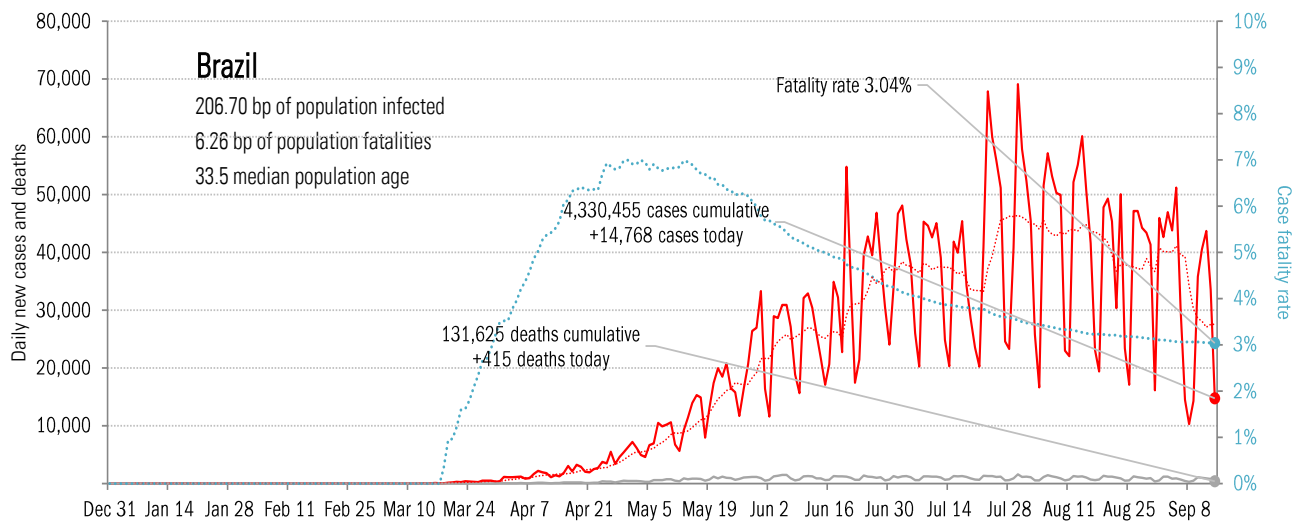
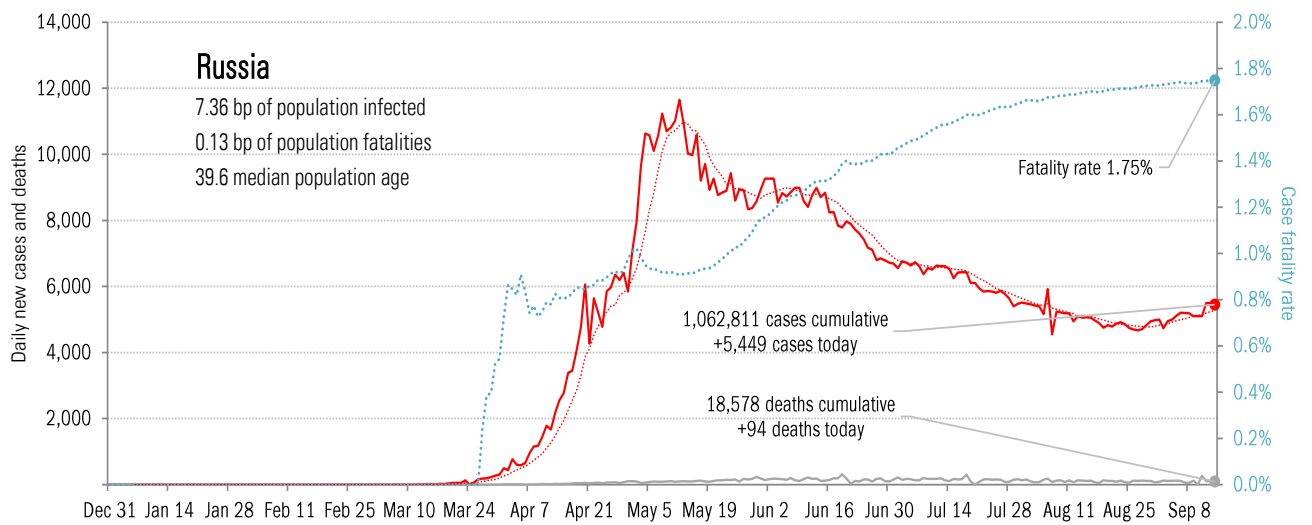
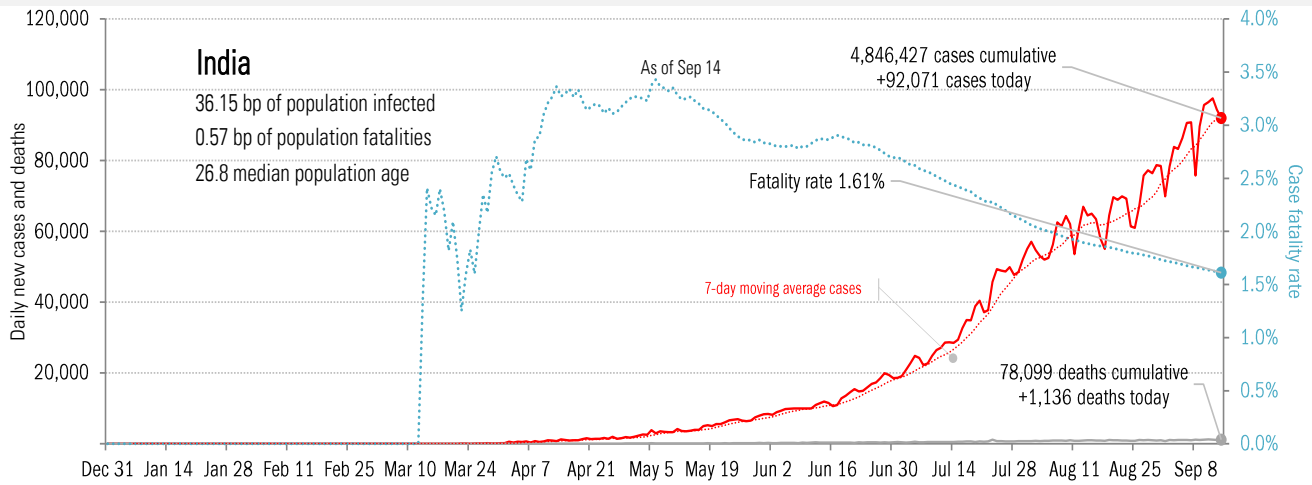
# Impact in other hot-spots



Source: [ECDC](#), TrendMacro calculations

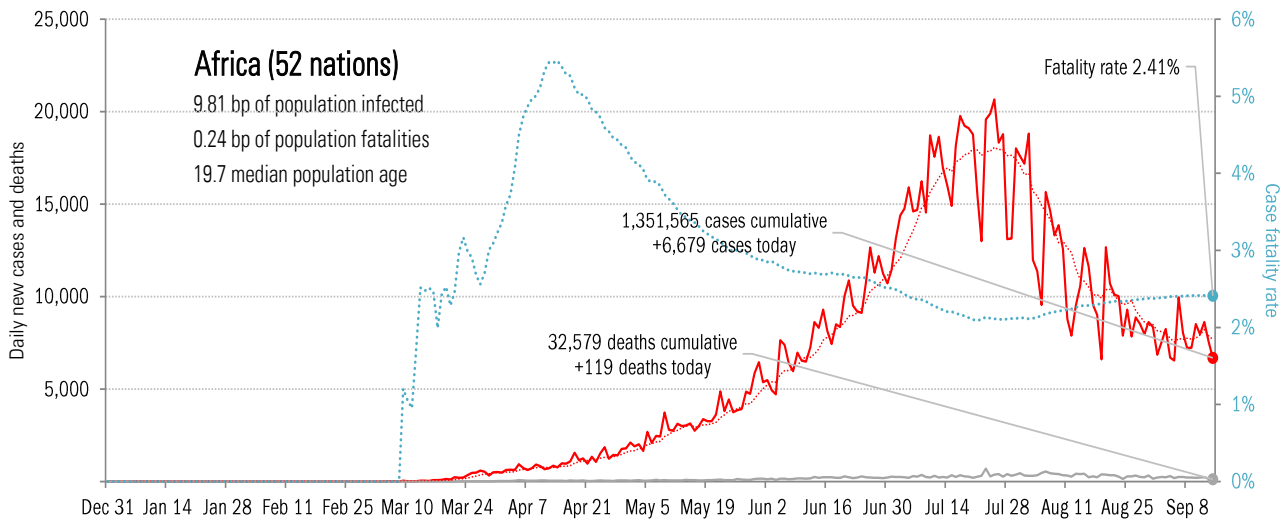
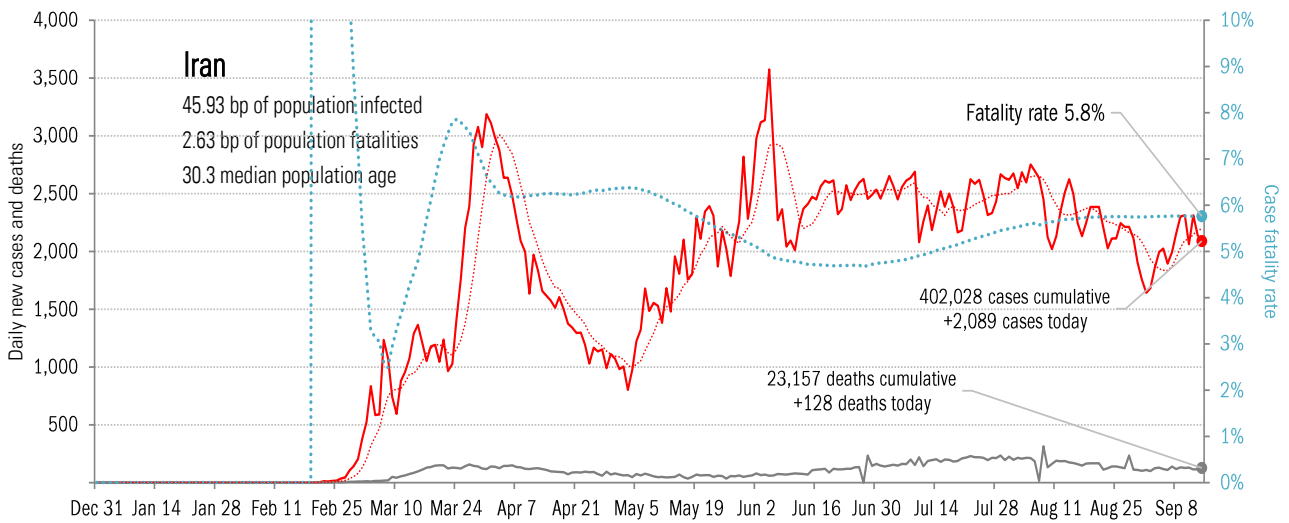
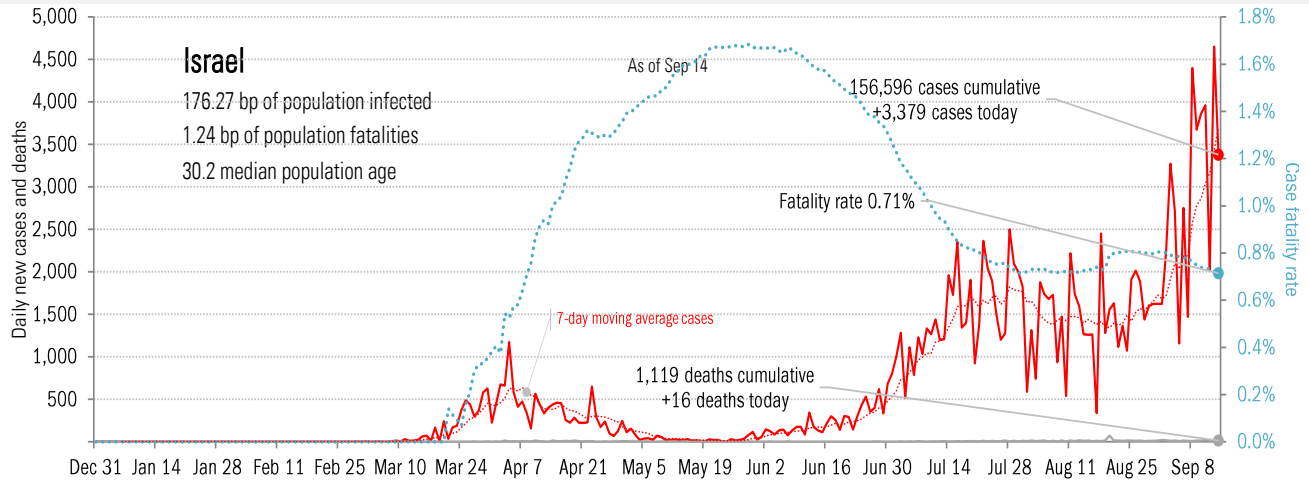


# Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

# Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations