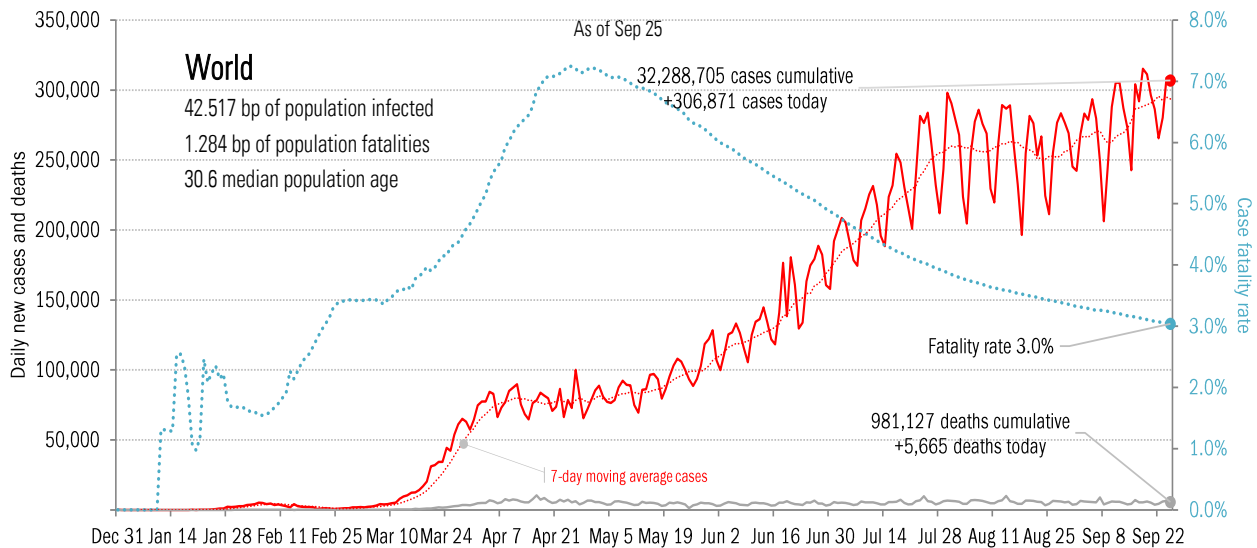
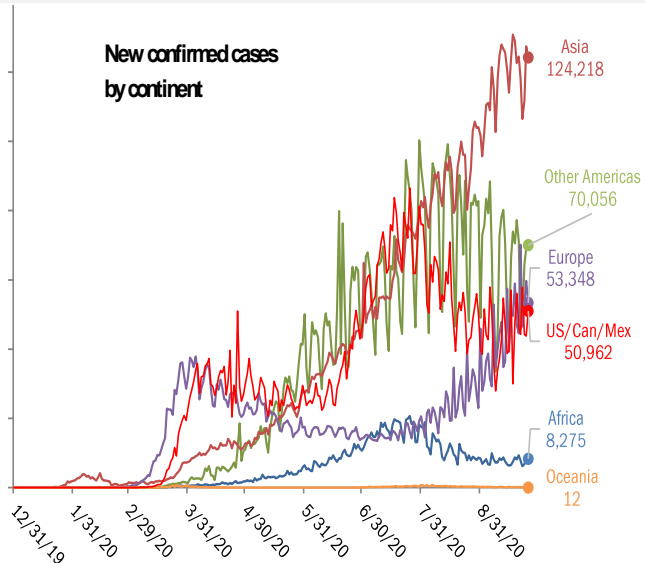


Data Insights: Covid-2019 Monitor

Friday, September 25, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+86,052	India	+1,141
US	+43,772	US	+901
Brazil	+32,817	Brazil	+831
France	+16,096	Mexico	+490
Argentina	+13,467	Argentina	+390
Israel	+9,768	Colombia	+178
UK	+6,634	Iran	+175
Russia	+6,595	Russia	+149
Colombia	+6,555	Indonesia	+128
Peru	+6,235	Chile	+124
+227,991		+4,507	
World	+306,871	World	+5,665
Top ten	74%	Top ten	80%



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

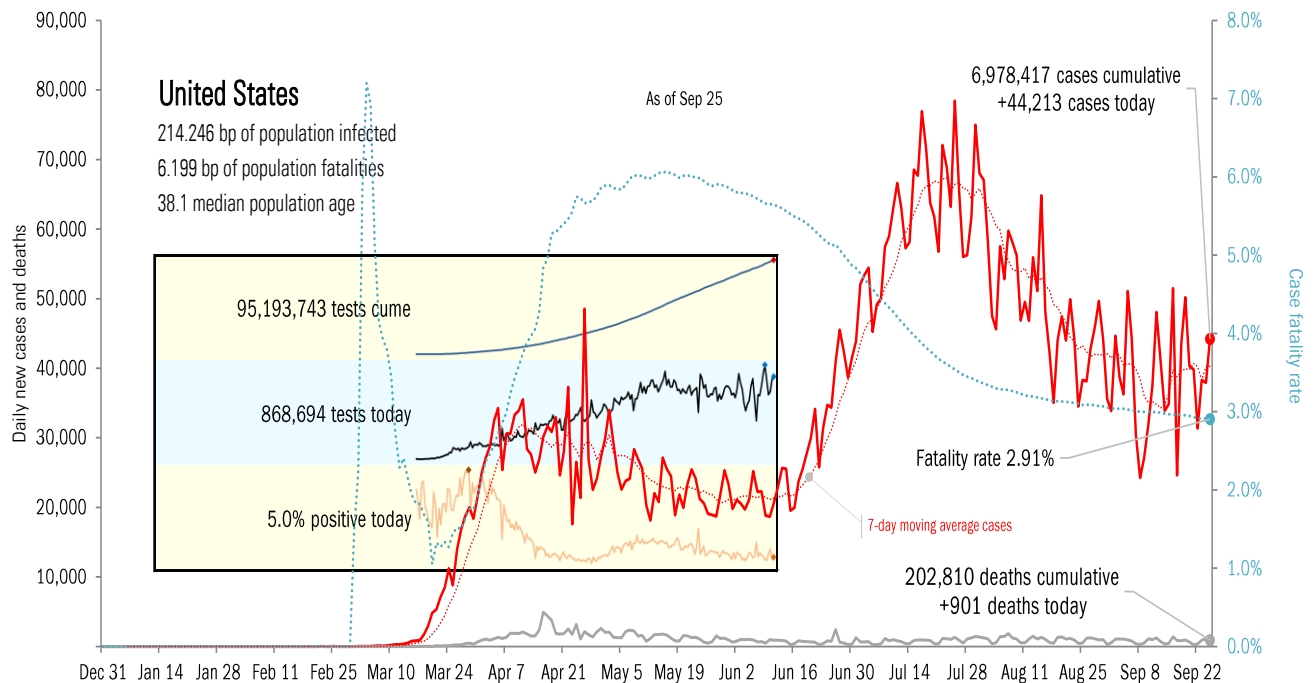
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
TX	+4,320	FL	+179	FL	+188	CA	790,640	NY	25,439	NY	89,995
CA	+3,170	TX	+138	GA	+154	TX	723,919	NJ	16,091	FL	43,621
FL	+2,541	CA	+110	VA	+127	FL	693,040	CA	15,314	GA	27,903
WI	+2,478	GA	+49	CT	+113	NY	452,847	TX	15,267	NJ	23,252
IL	+2,257	NC	+40	AL	+80	GA	311,046	FL	13,961	AZ	21,942
NC	+1,688	TN	+35	IN	+76	IL	283,569	MA	9,362	VA	18,081
GA	+1,368	AZ	+34	WI	+76	AZ	215,852	IL	8,774	AL	16,778
MO	+1,365	IL	+30	TN	+75	NJ	201,552	PA	8,079	MD	15,299
UT	+1,198	CH	+28	CH	+74	NC	198,189	MI	7,019	CH	15,051
FR	+1,182	VA	+24	CK	+73	TN	187,544	GA	6,822	MA	12,606
+21,567		+667		+1,036		4,068,198		126,128		284,528	
All states	+43,772	All states	+921	All states	+1,588	All states	6,941,911	All states	194,852	All states	400,840
Top ten	49%	Top ten	72%	Top ten	65%	Top ten	58%	Top ten	65%	Top ten	71%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
KS	-1,267	MO	-78	GA	-105	TX	+24,115
TN	-726	GA	-47	KS	-60	PA	+2,225
MO	-215	FL	-24	SD	-36	TN	+1,504
KY	-145	CH	-24	MN	-18	WI	+1,333
NV	-119	CA	-23	SC	-16	CH	+1,216



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

Recommended reading

[Sharing a household with children and risk of COVID-19: a study of over 300,000 adults living in healthcare worker households in Scotland](#)

Rachael Wood et al.

medRxiv

September 22, 2020

[Support for School Choice Surges as Schools Start](#)

Tommy Schultz

American Federation for Children

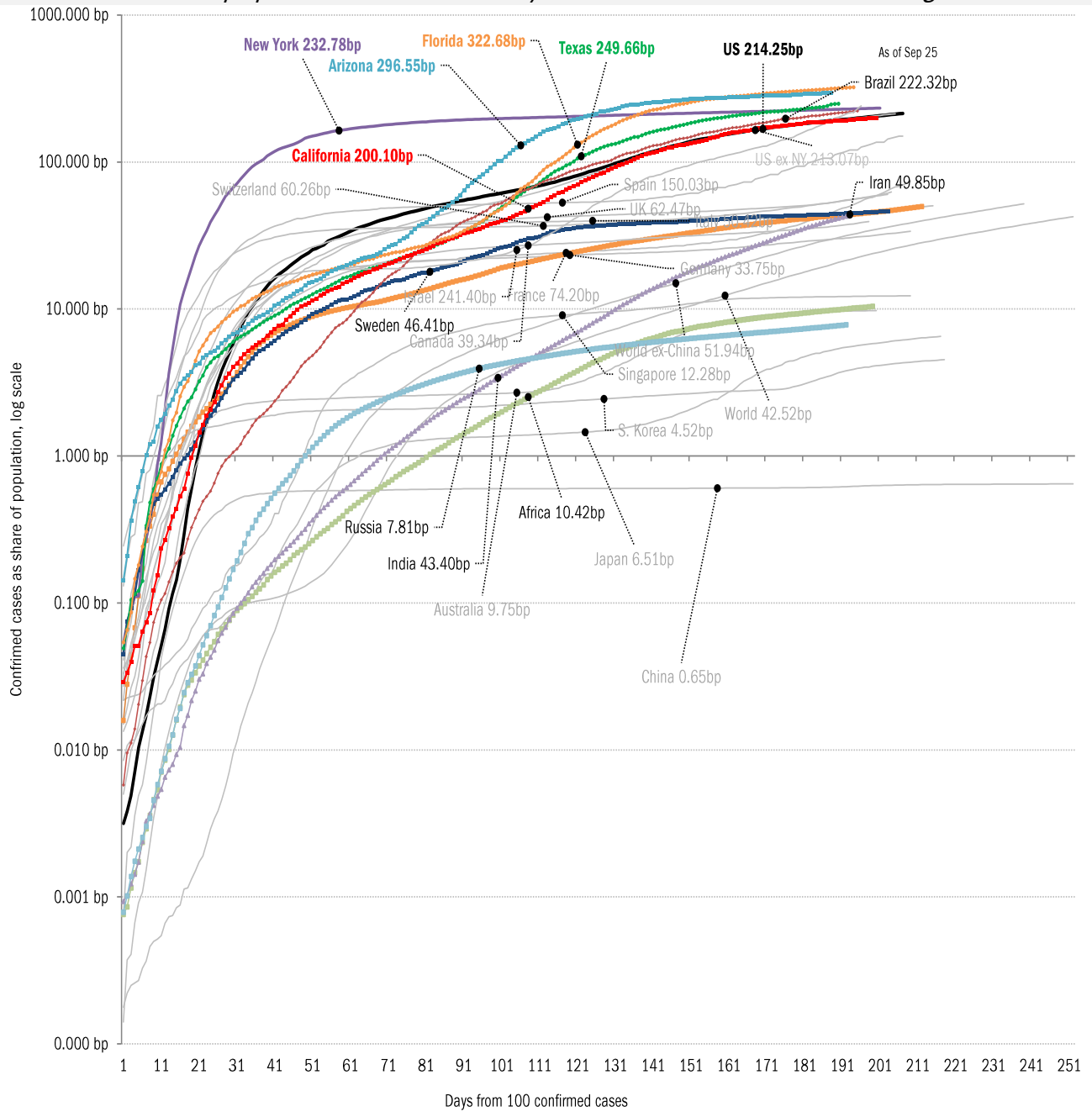
September 23, 2020

Meme of day



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

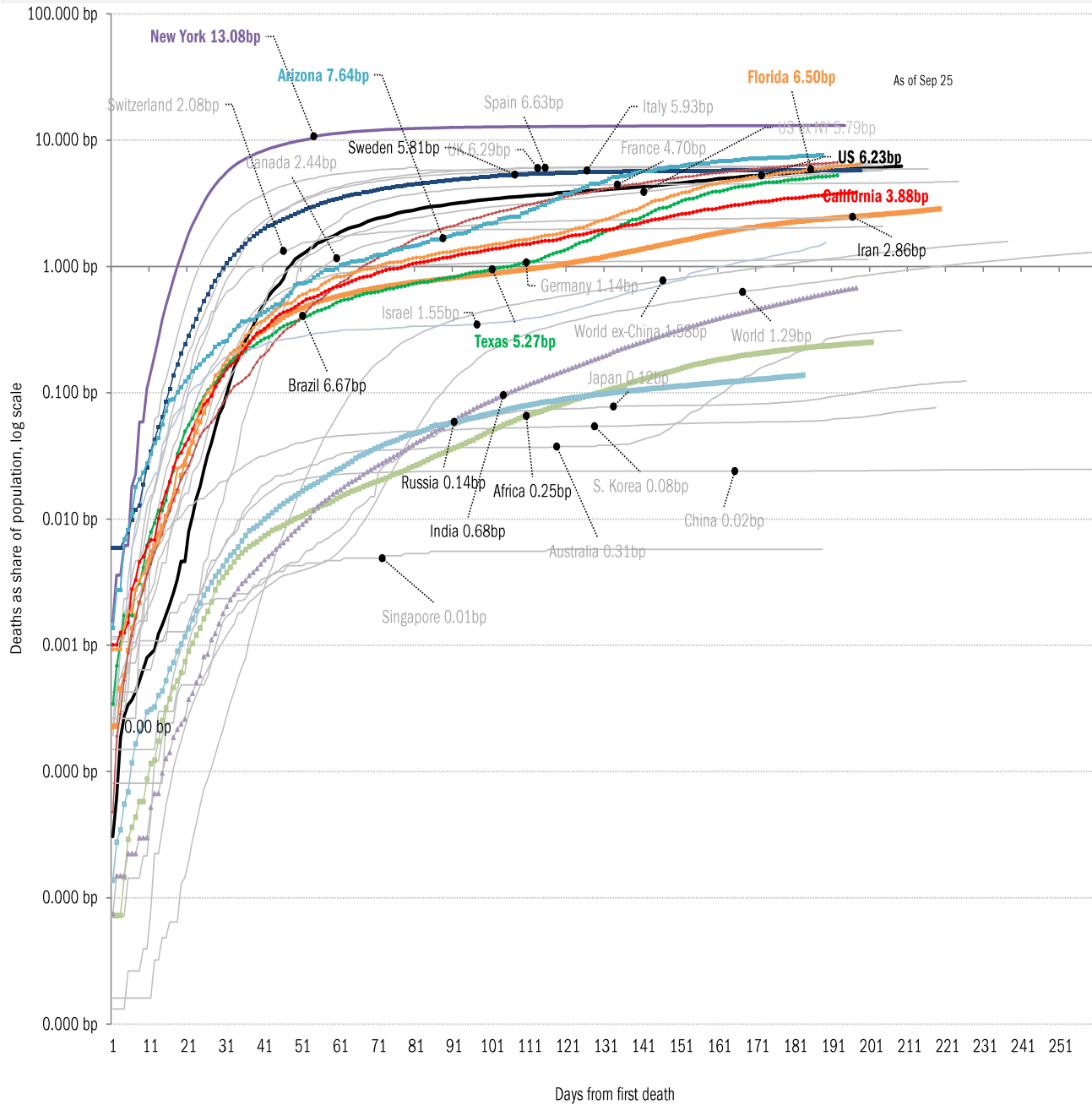
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

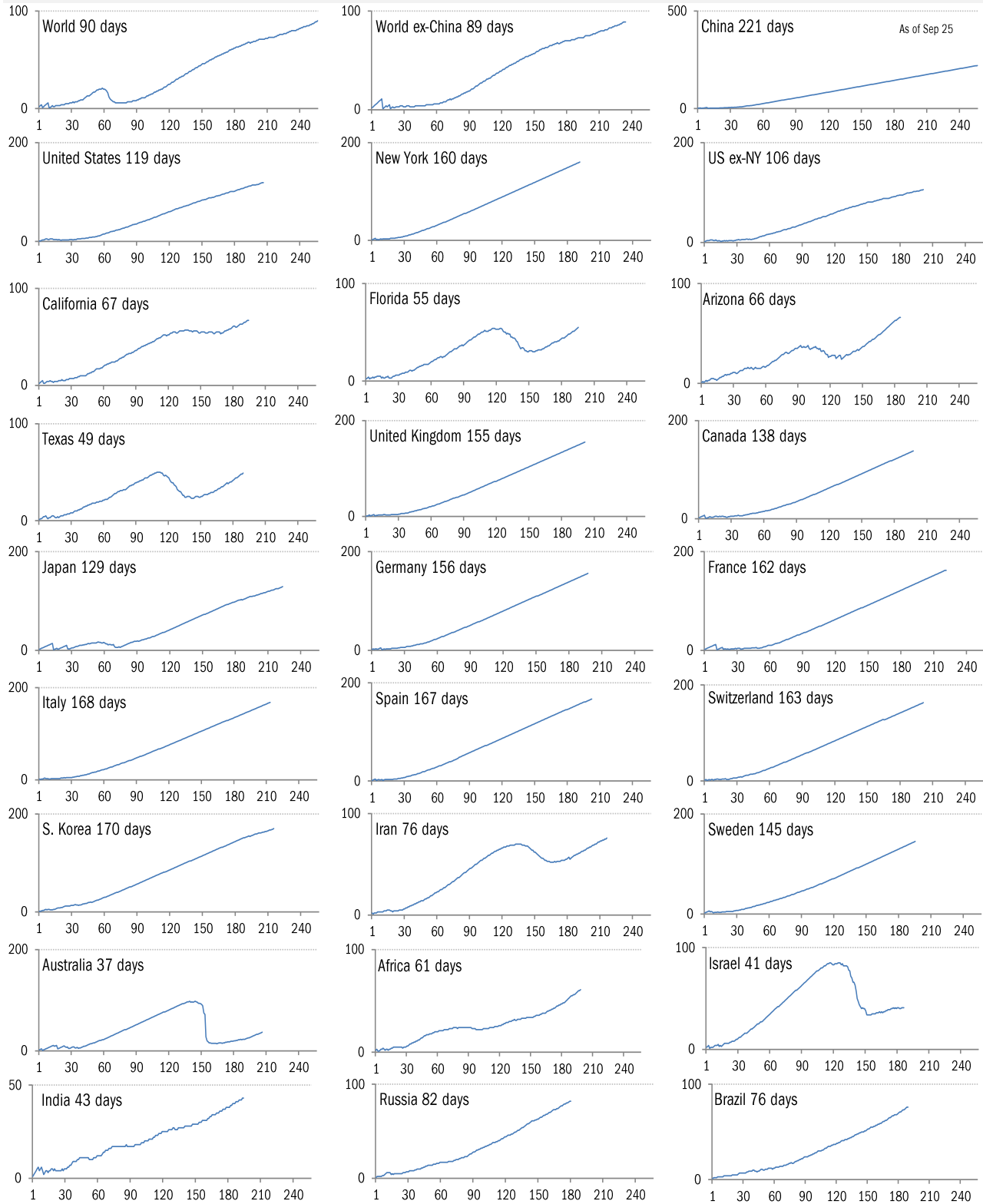


Source: [ECDC](#), TrendMacro calculations

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

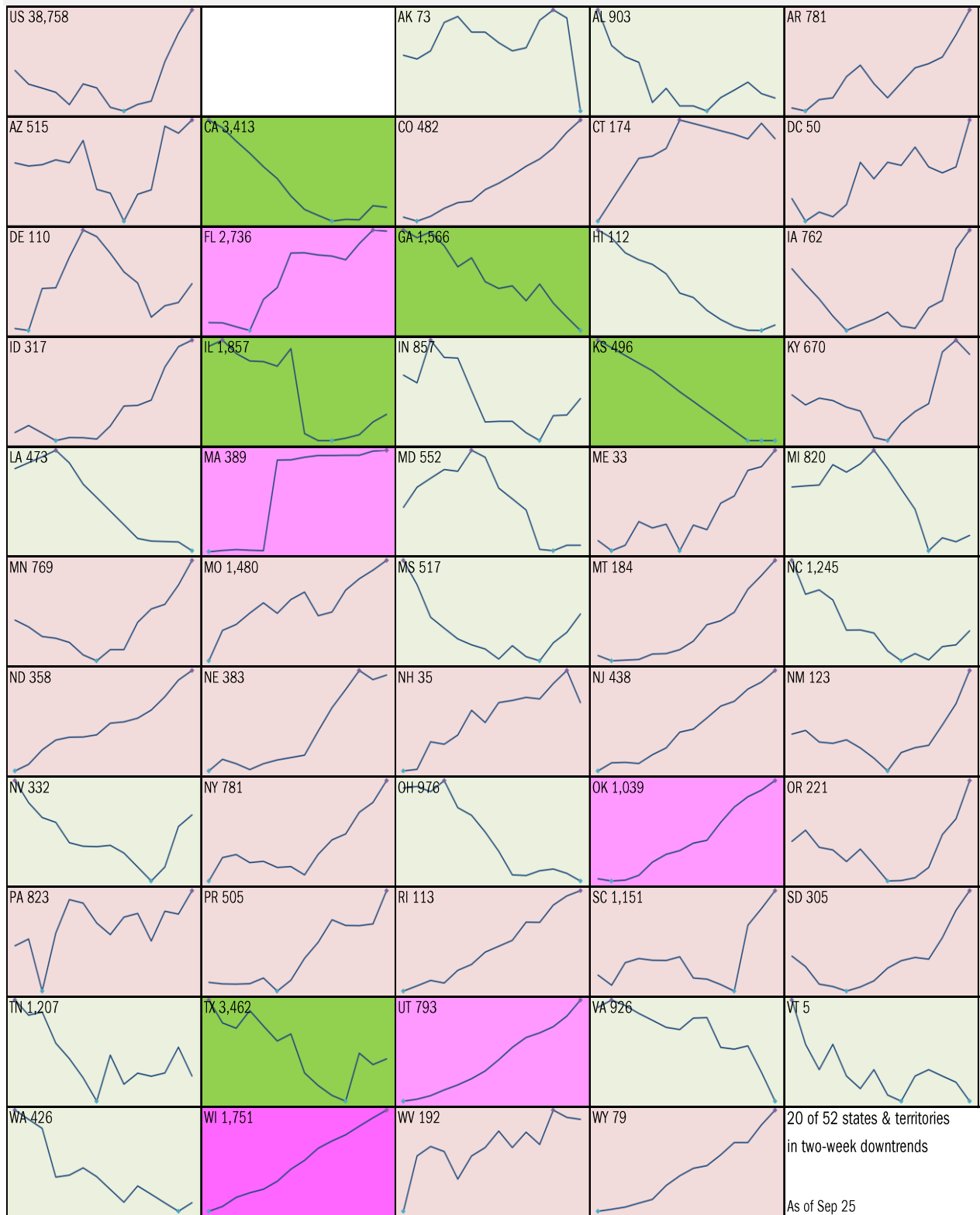


Source: [ECDC](https://www.ecdc.europa.eu/), TrendMacro calculations

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

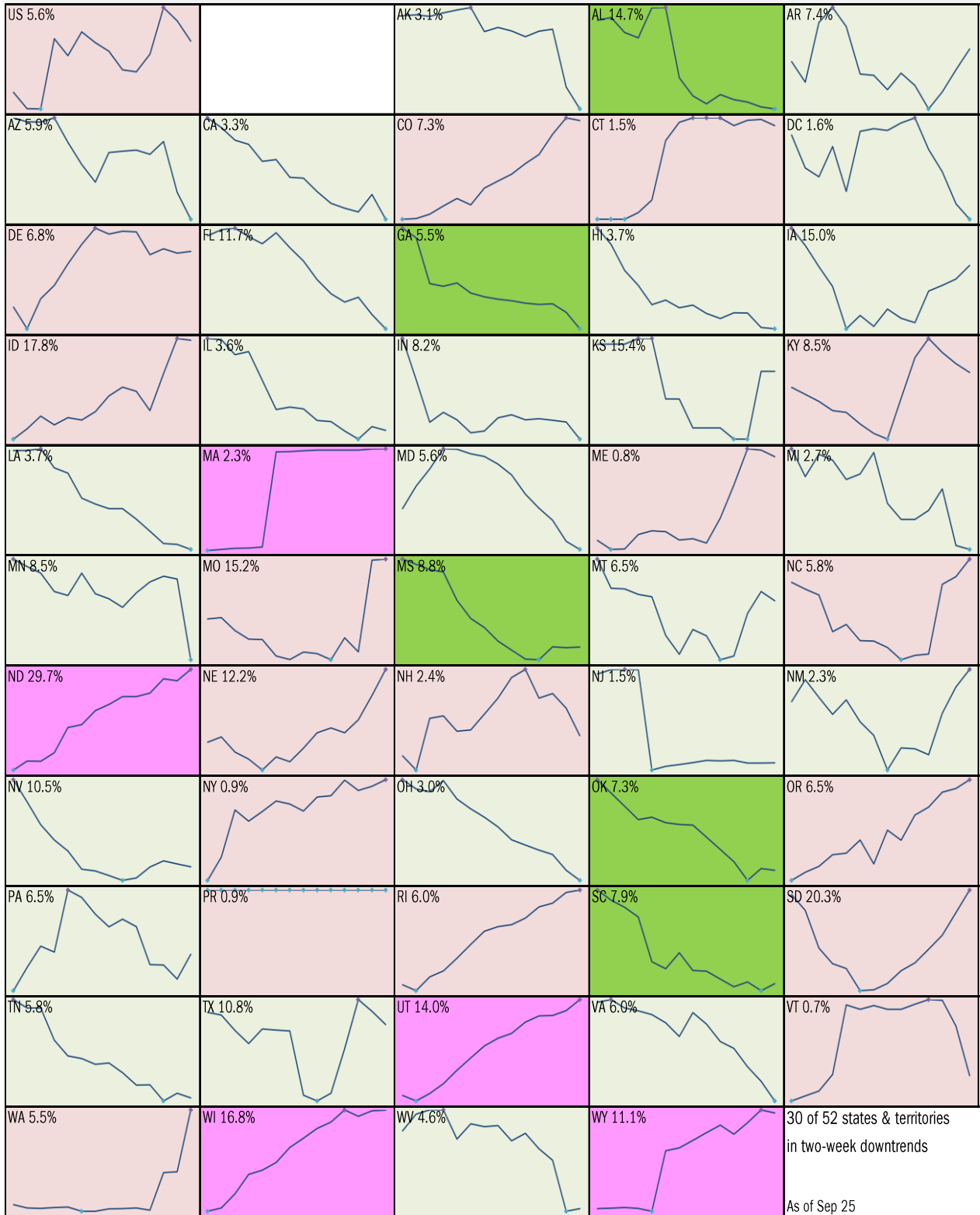


Source: [Covid Tracking Project](#), TrendMacro calculations

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



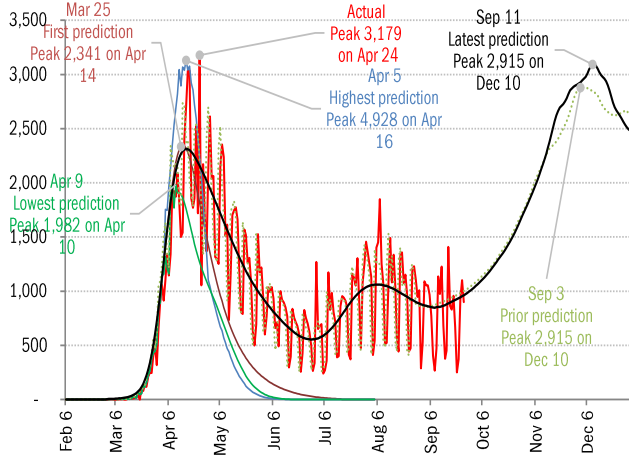
Source: [Covid Tracking Project](#), TrendMacro calculations

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

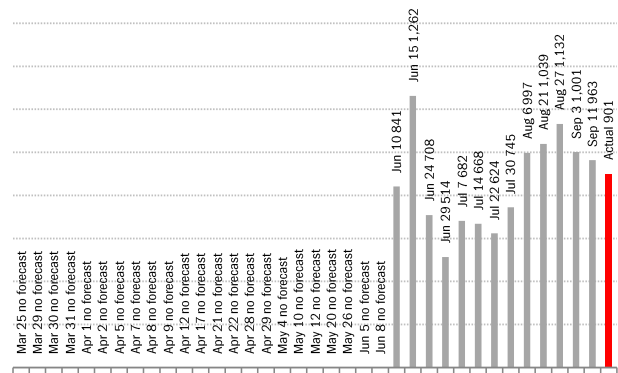
New daily fatalities

As of Sep 25

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

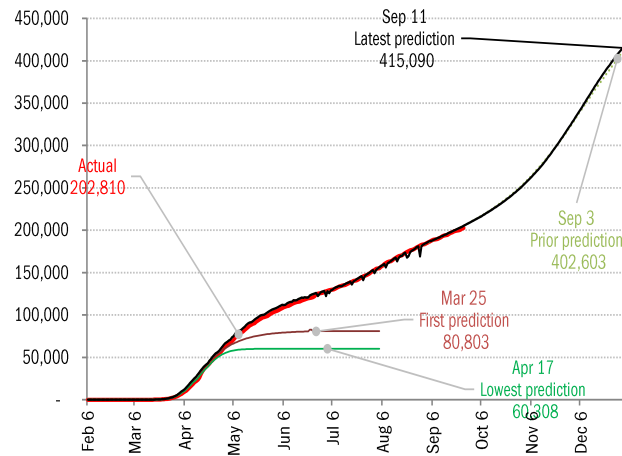


For this day, versus all model mean predictions

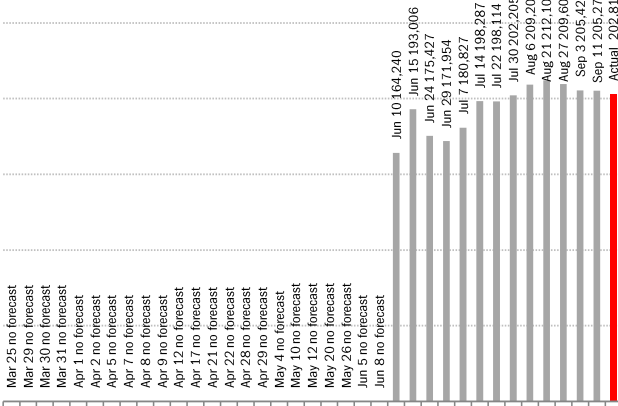


Cumulative fatalities

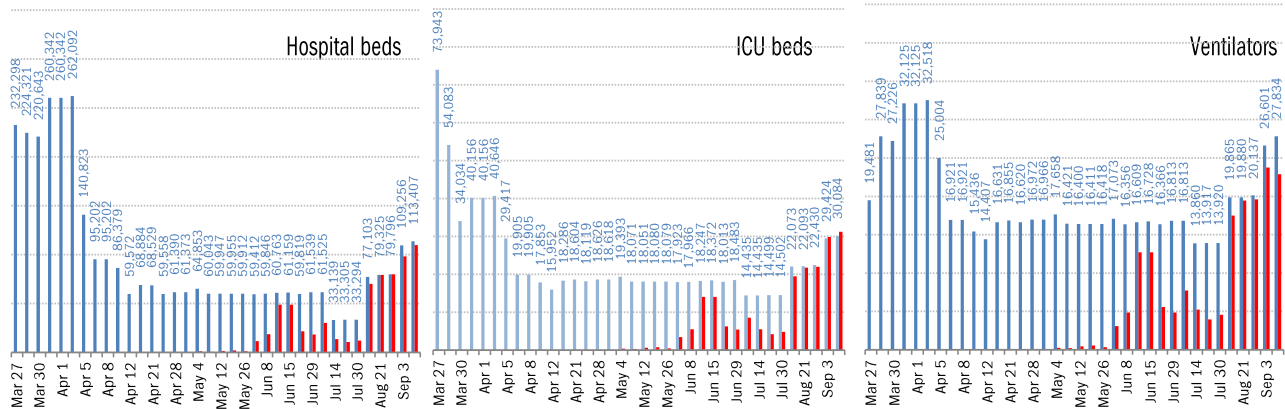
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

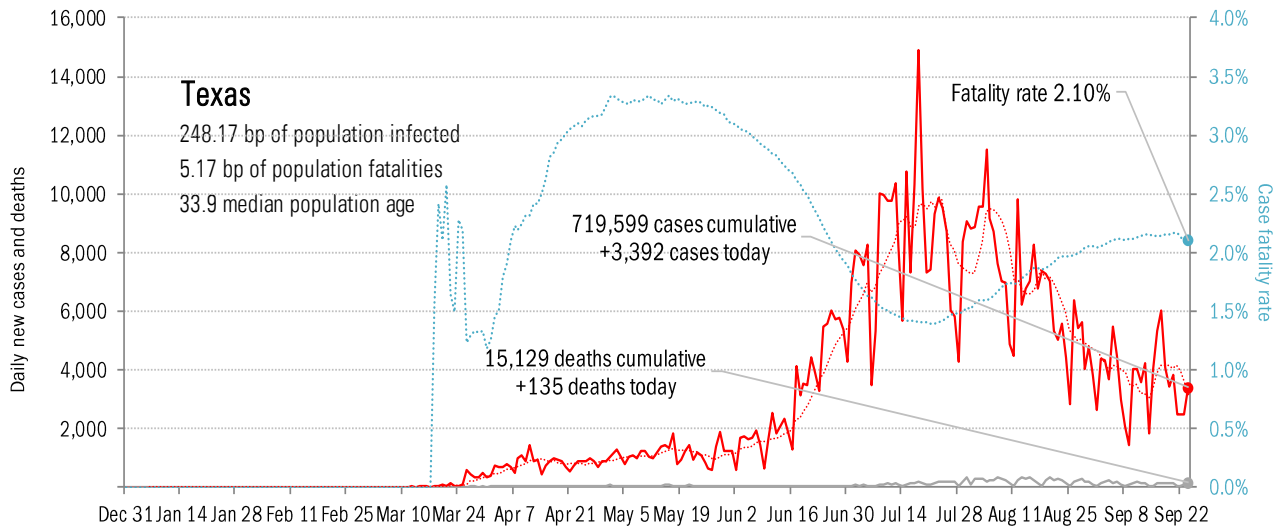
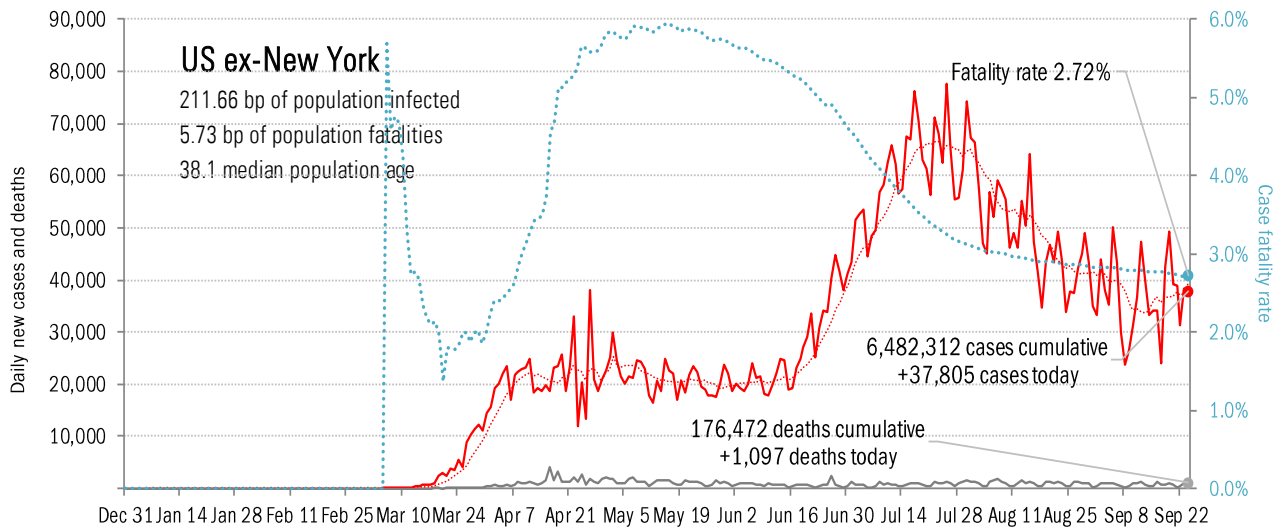
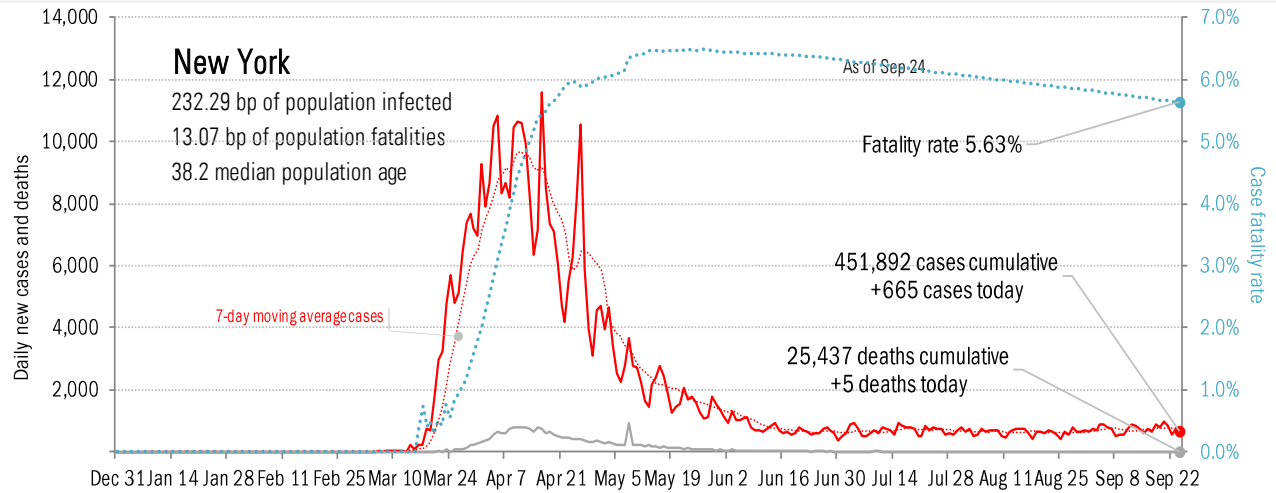


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



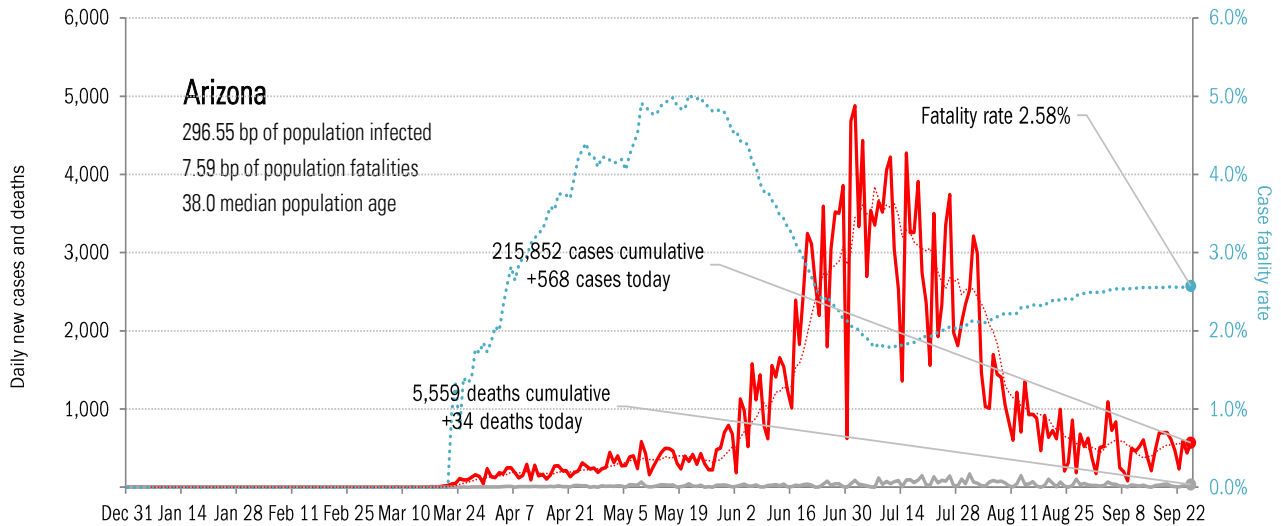
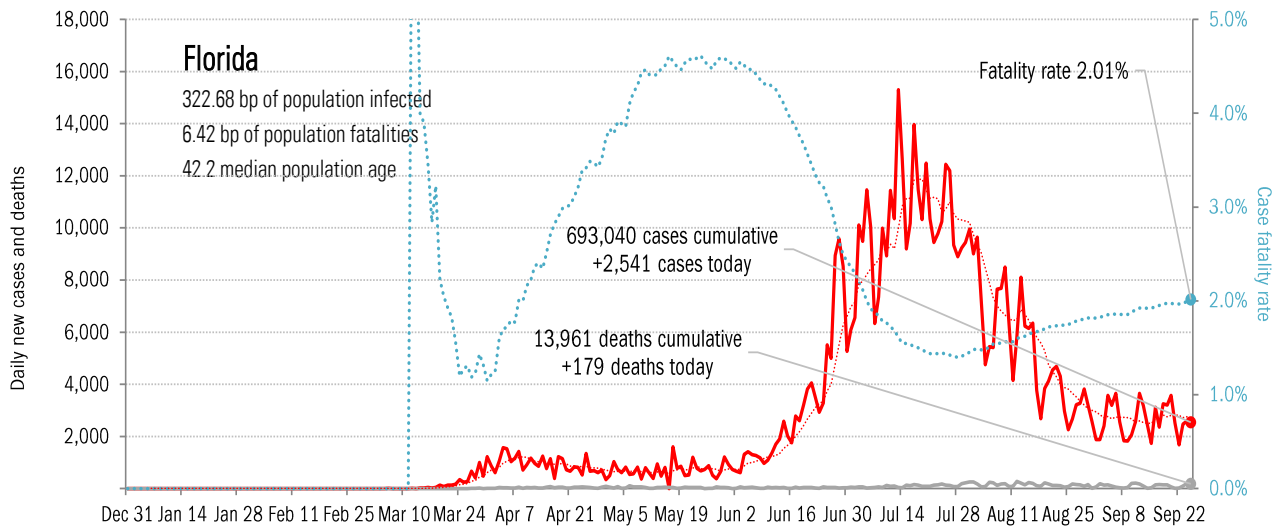
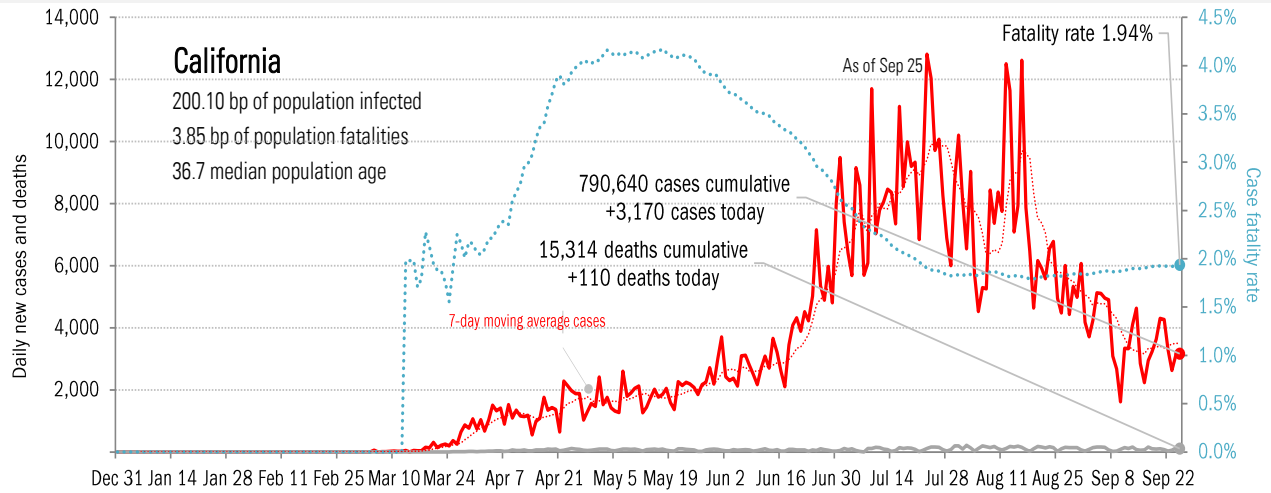
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



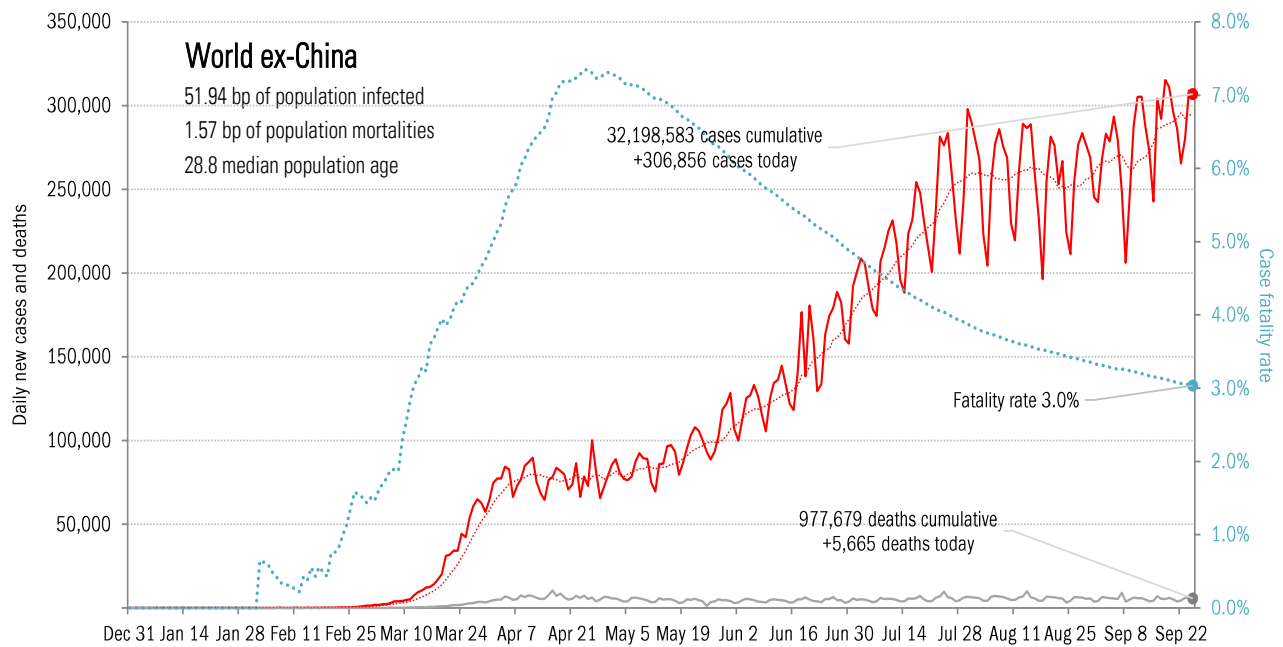
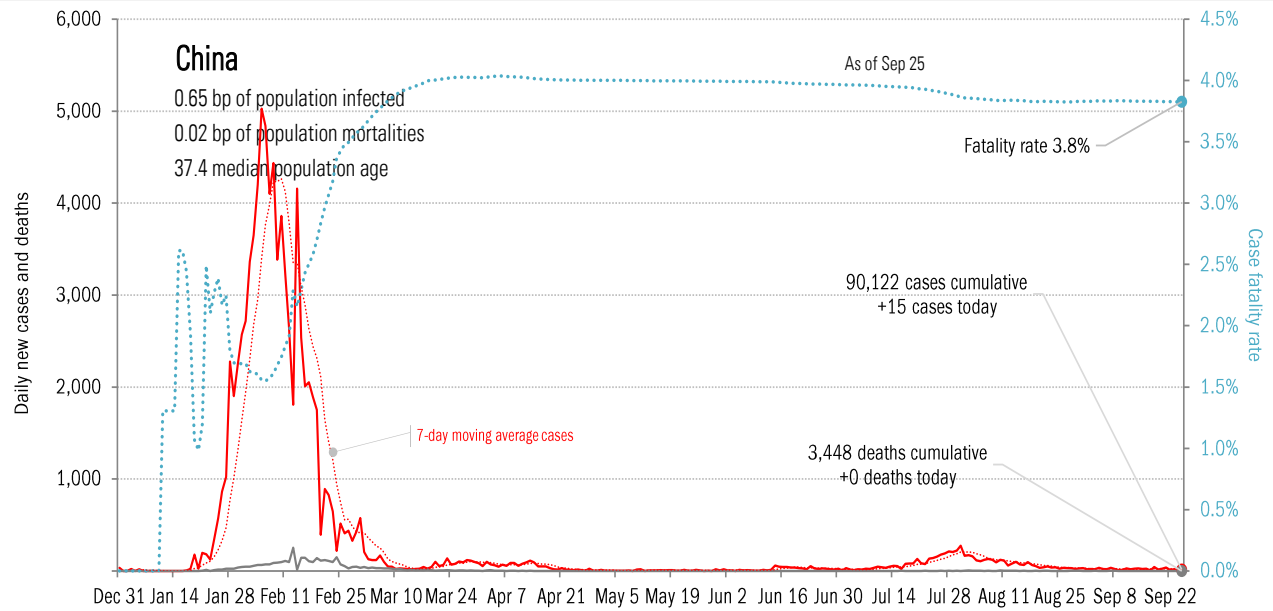
Source: [ECDC](#), TrendMacro calculations

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



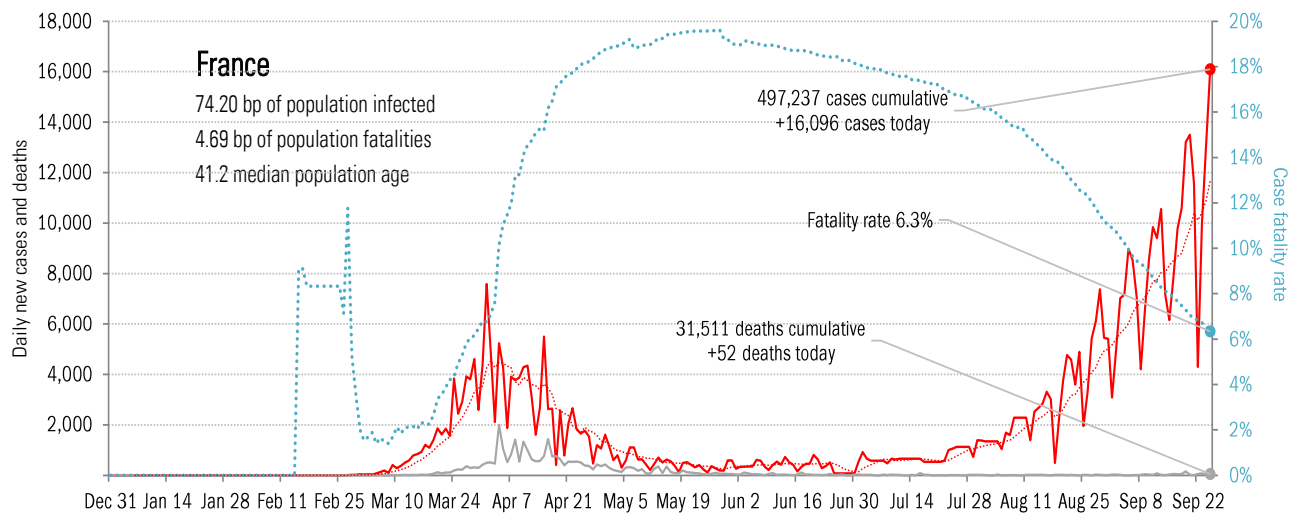
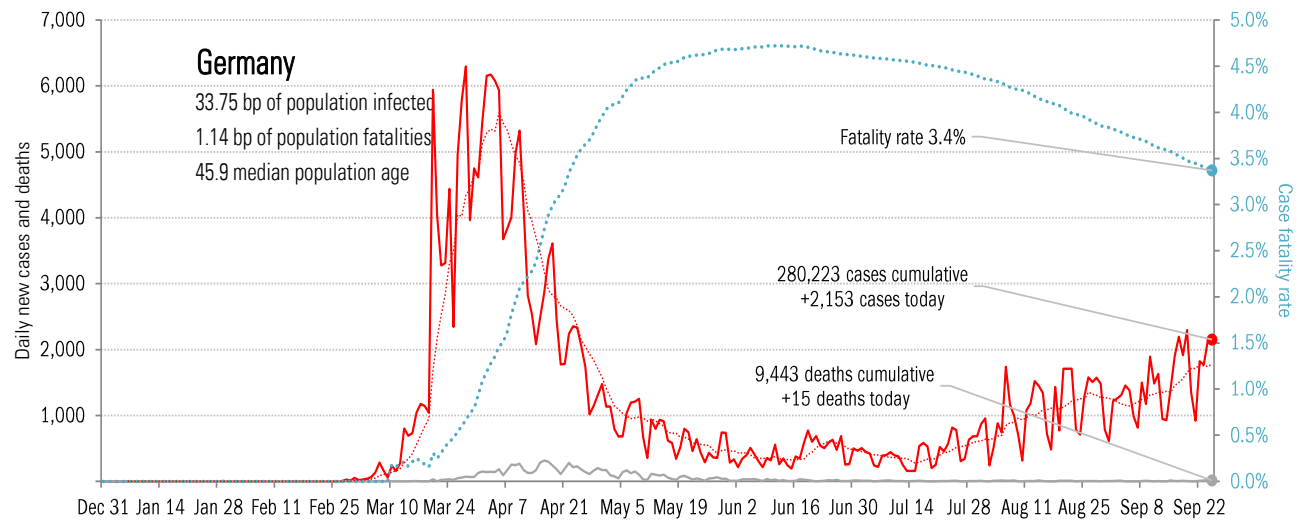
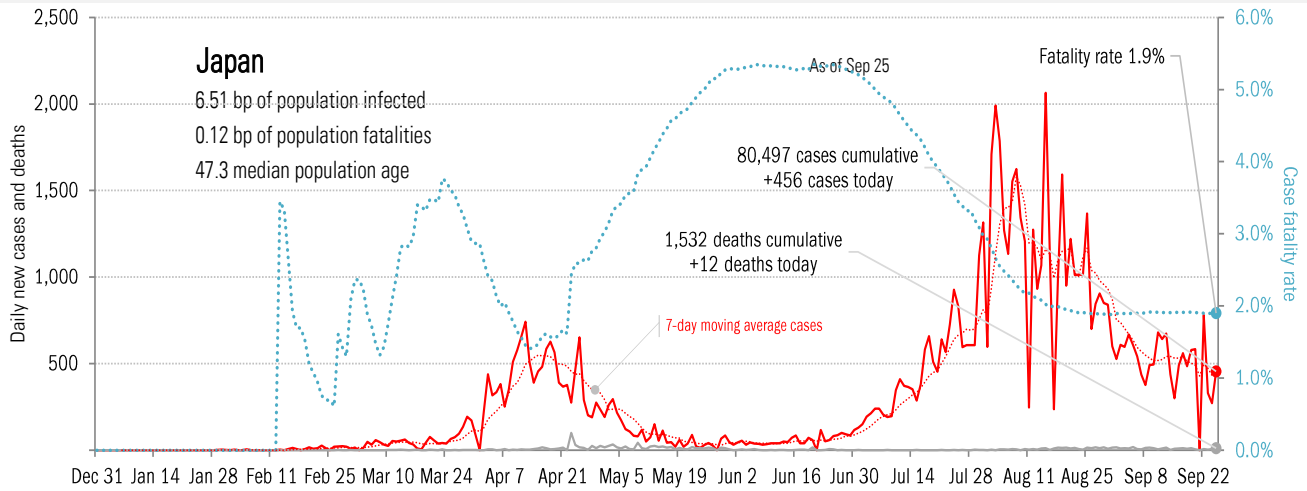
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



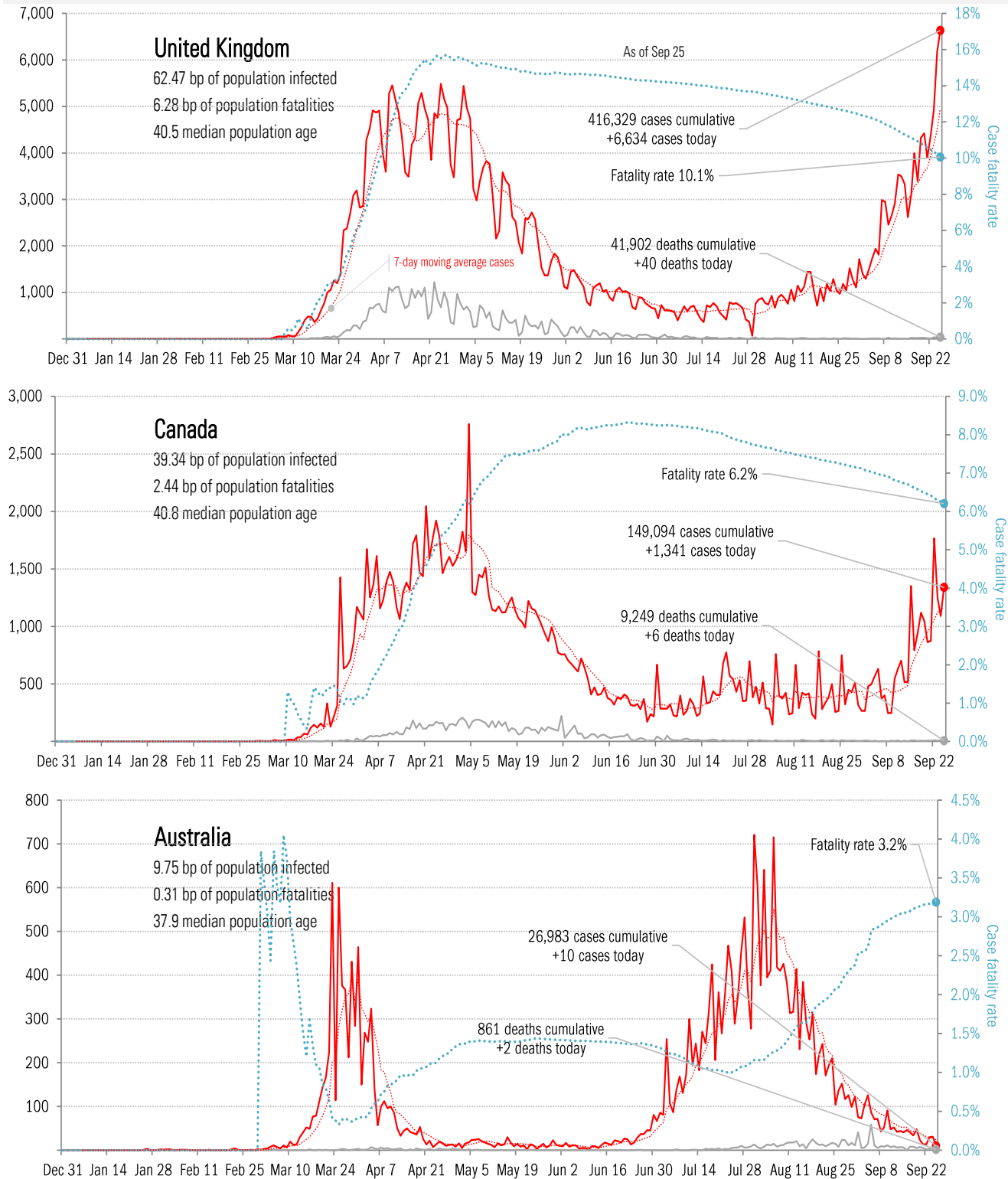
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



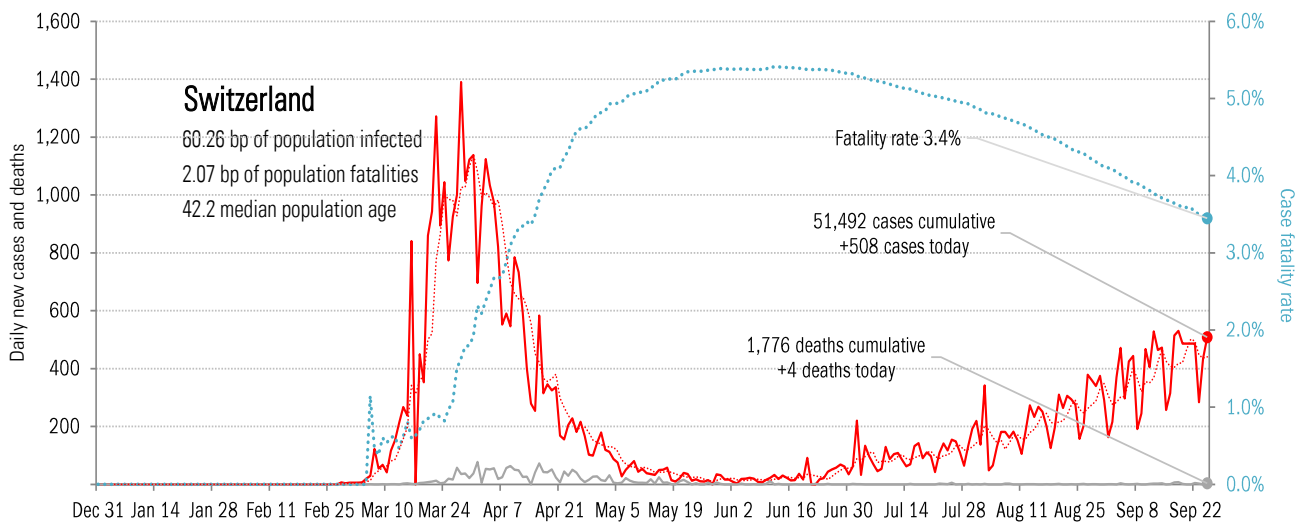
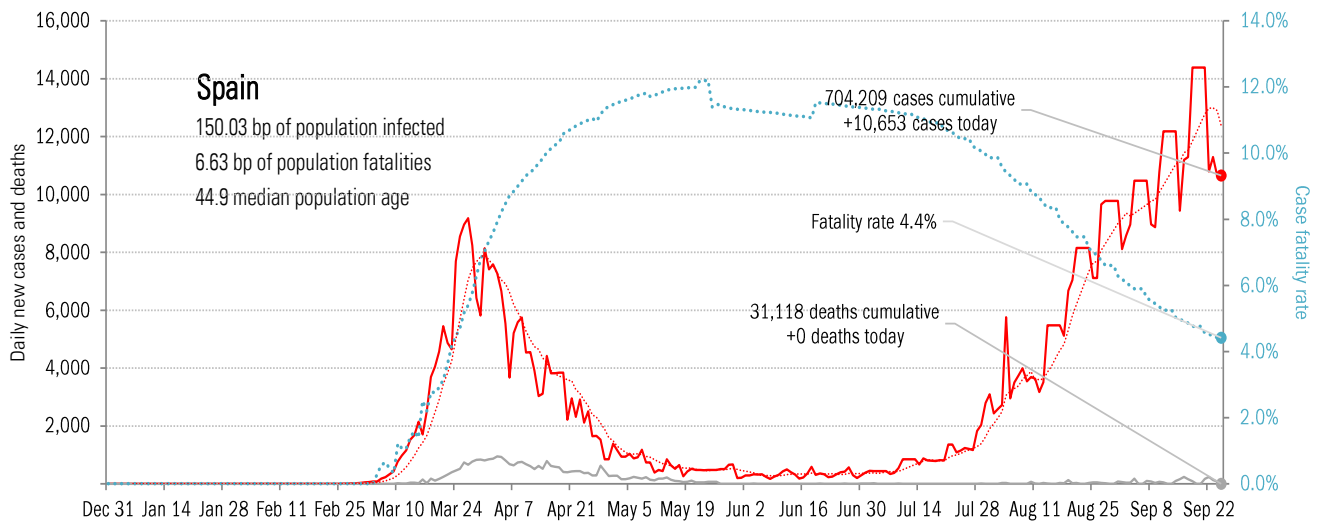
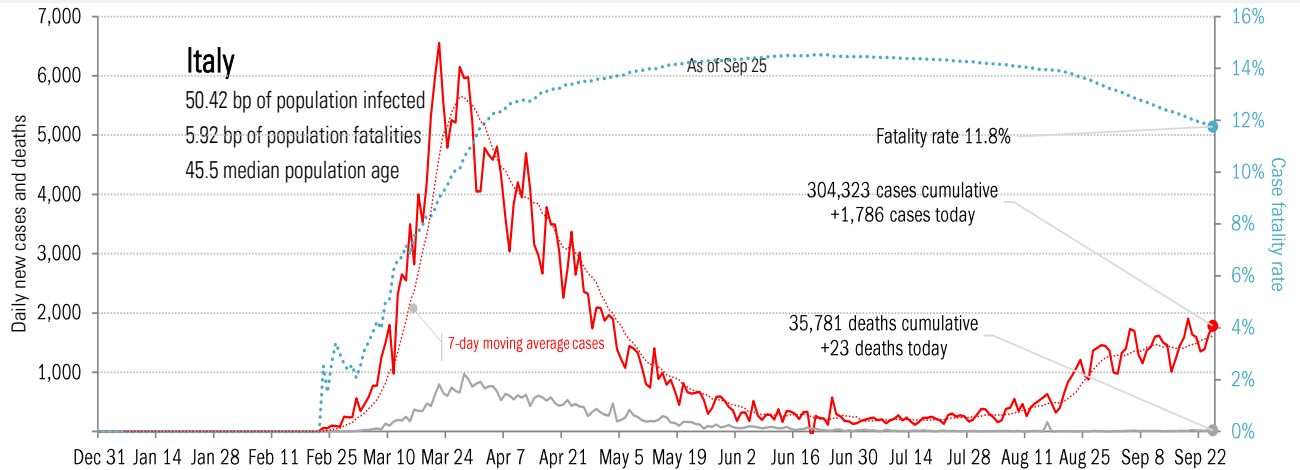
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



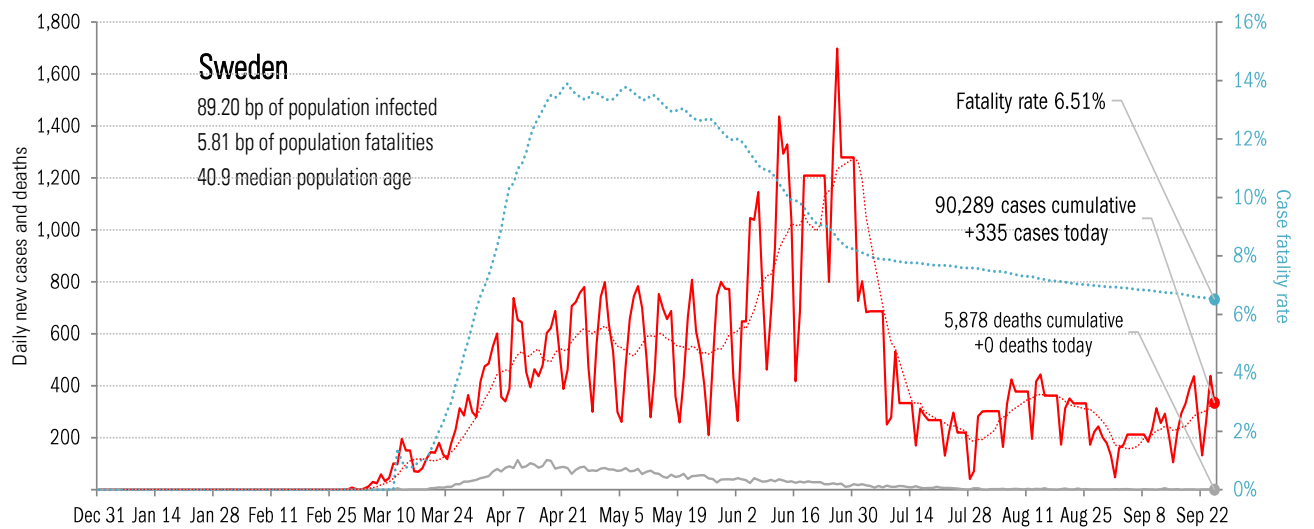
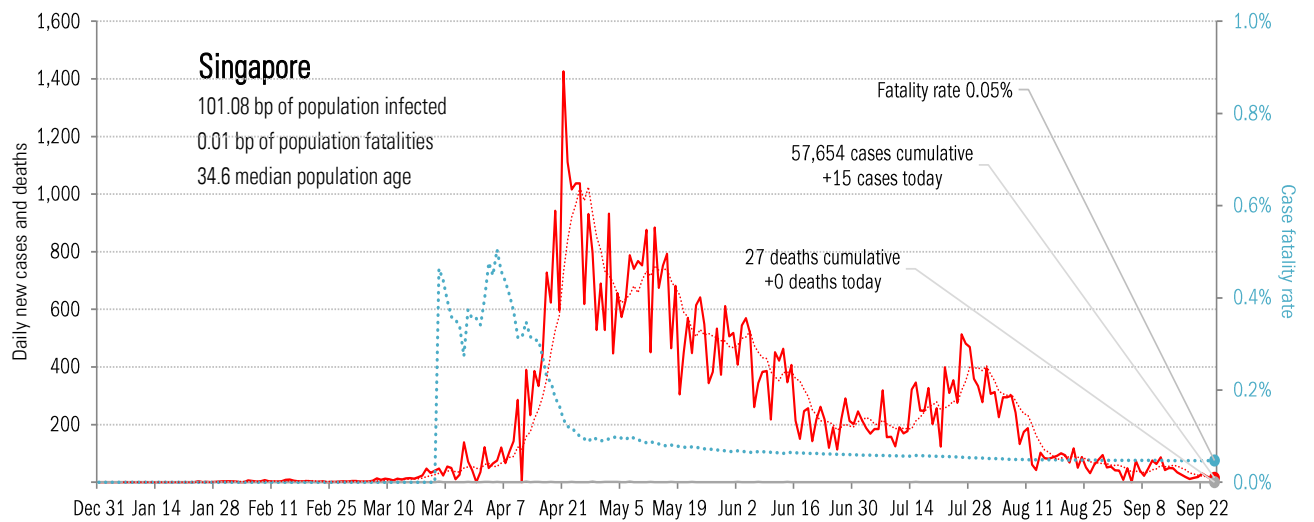
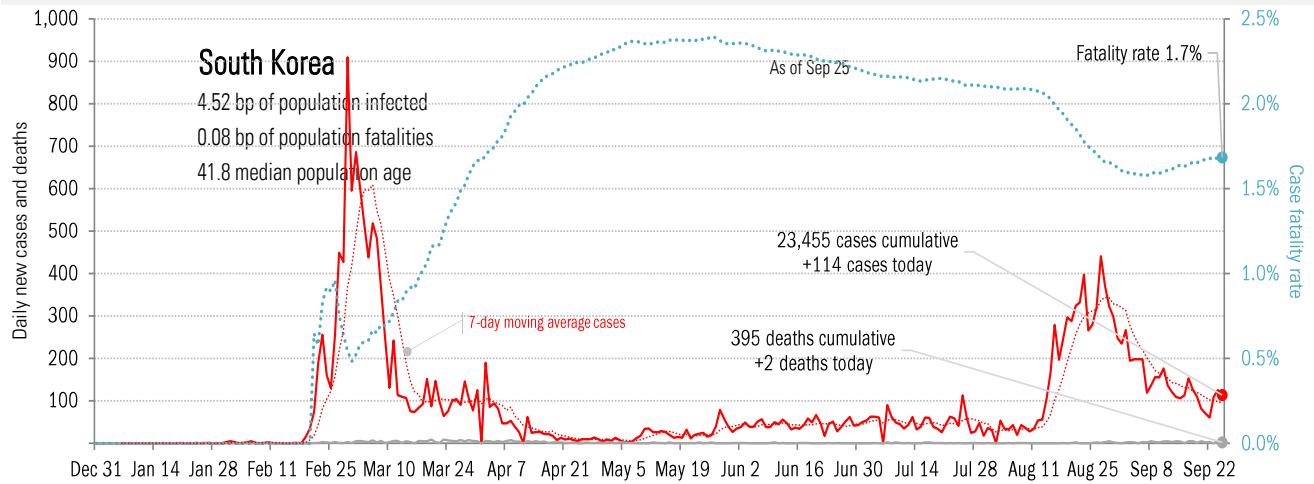
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



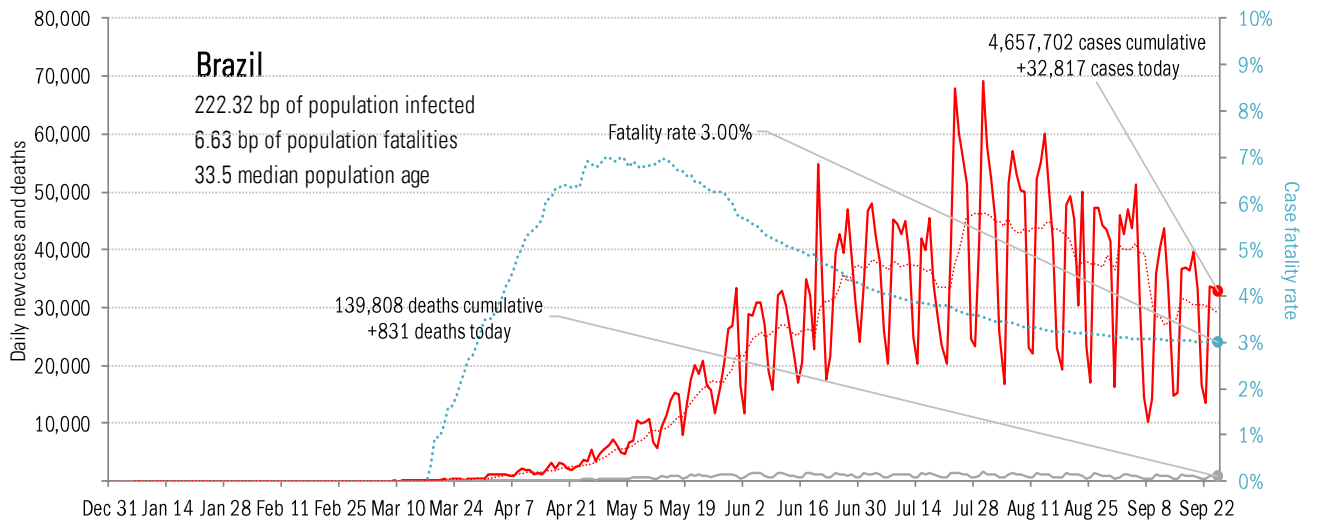
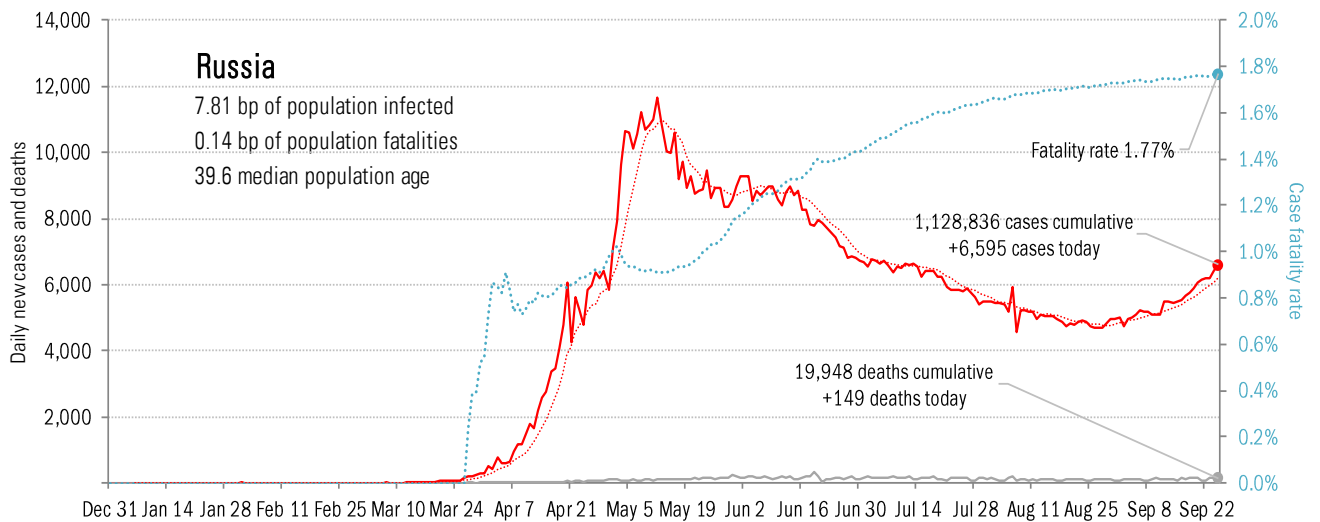
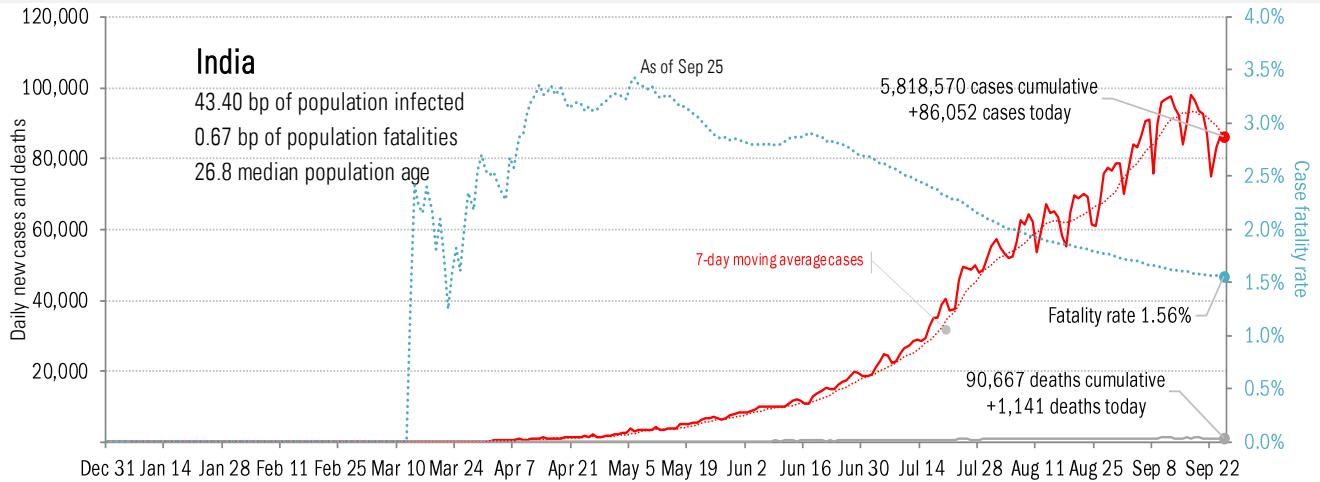
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



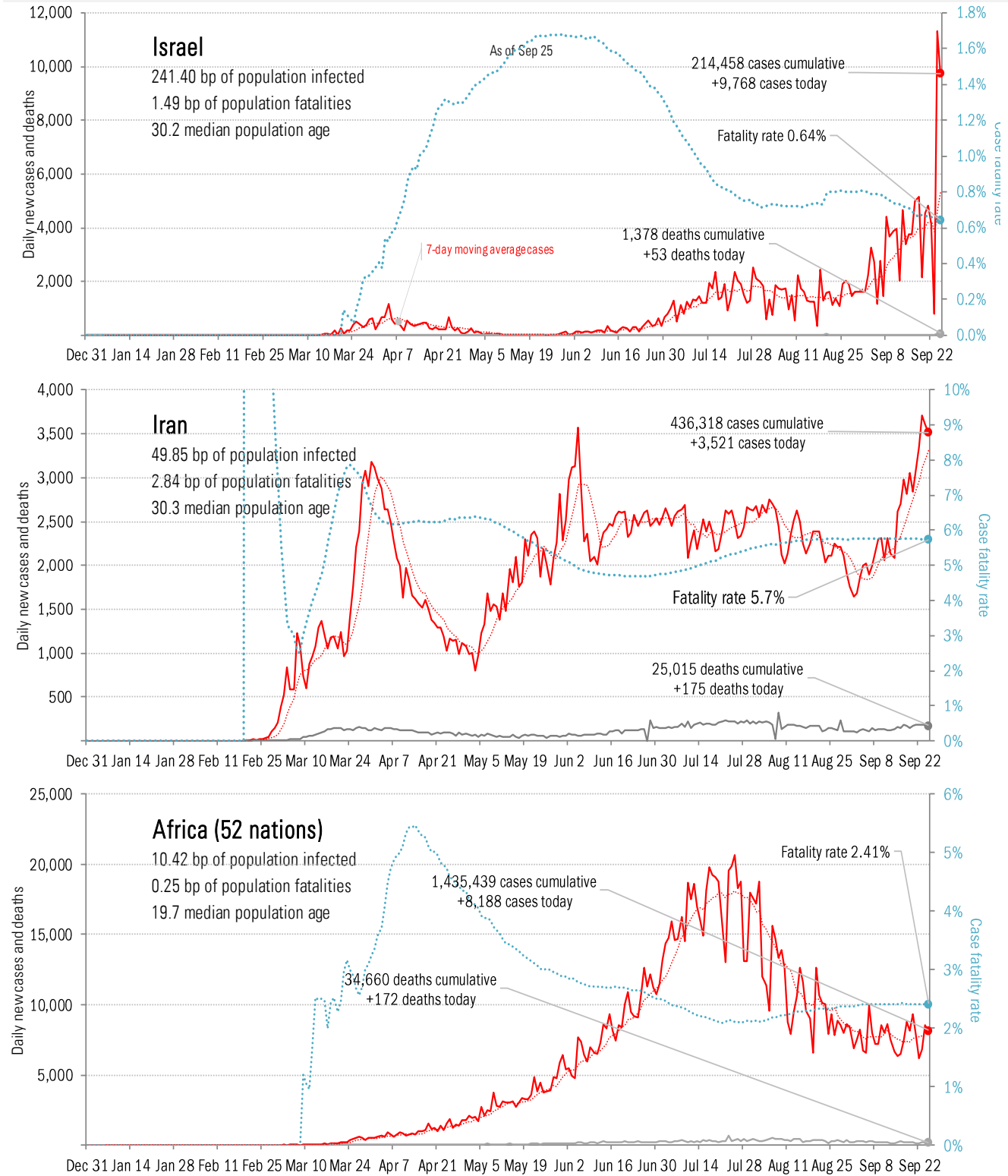
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations