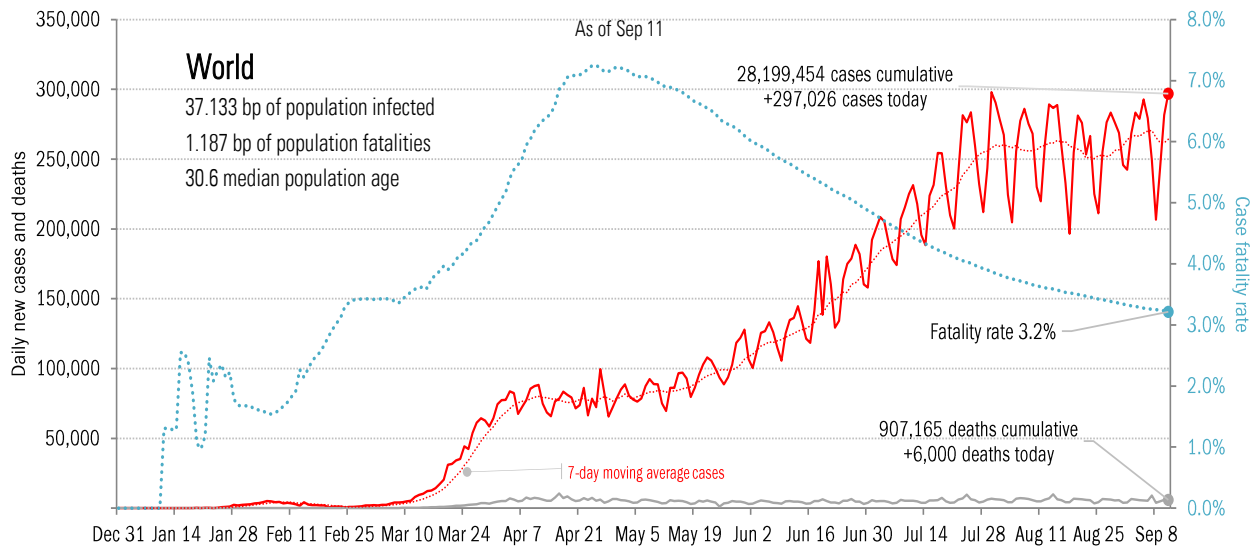
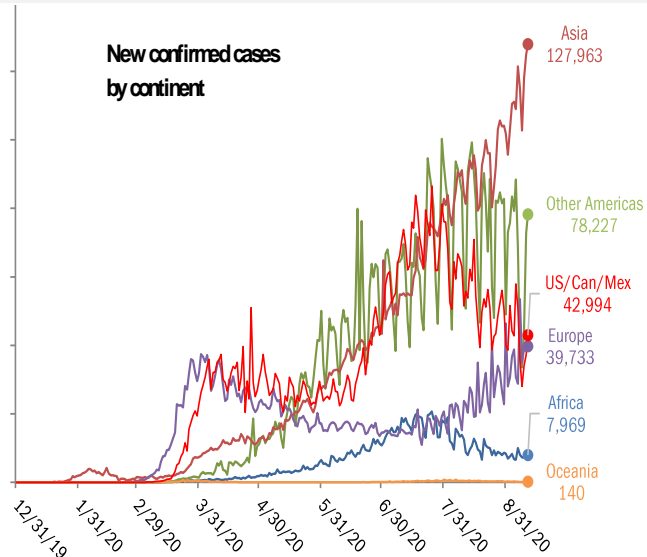


Data Insights: Covid-2019 Monitor

Friday, September 11, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+96,551	India	+1,209
Brazil	+40,557	Brazil	+983
US	+37,507	US	+974
Argentina	+12,259	Mexico	+554
Russia	+10,581	Russia	+270
France	+9,843	Argentina	+256
Colombia	+7,808	Colombia	+222
Peru	+7,291	Iran	+129
Mexico	+4,857	Indonesia	+120
Iraq	+4,597	Peru	+108
+231,851		+4,825	
World	+297,026	World	+6,000
Top ten	78%	Top ten	80%



Source: [ECDC](#), TrendMacro calculations

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

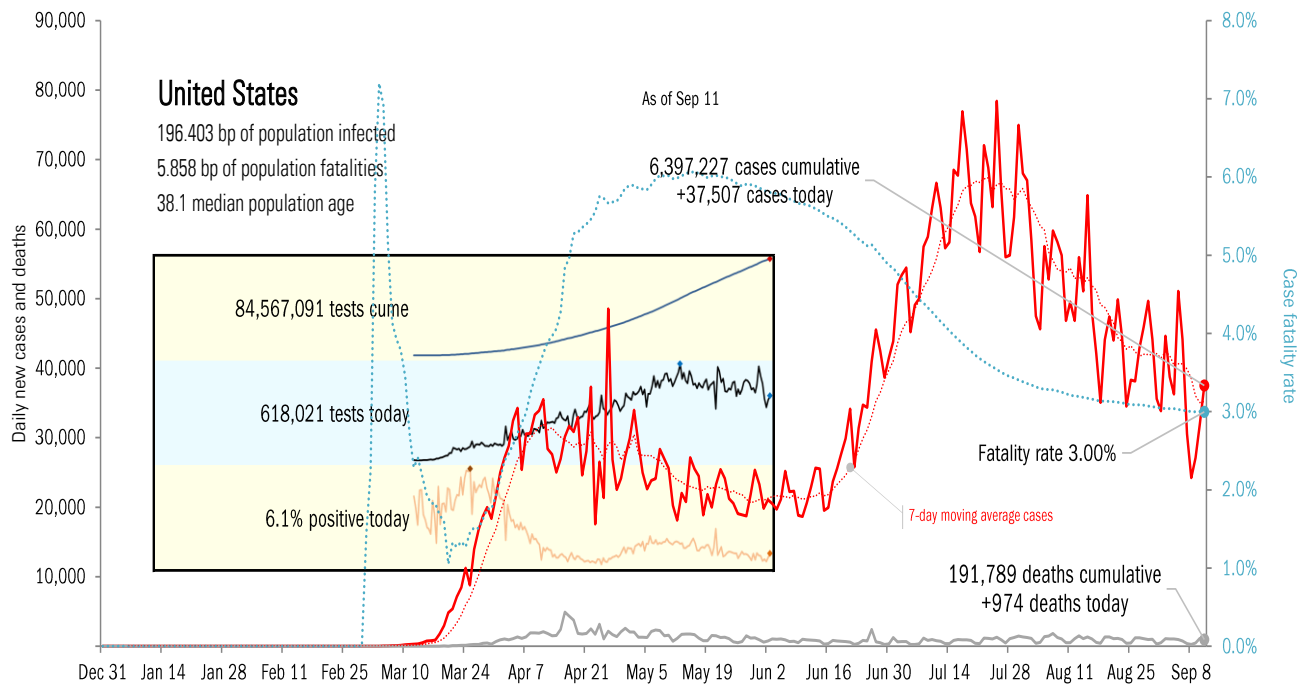
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cure cases		Cure deaths		Cure in hospital	
TX	+4,018	FL	+213	FL	+294	CA	742,865	NY	25,377	NY	89,995
CA	+3,338	TX	+161	GA	+217	FL	654,731	NJ	16,014	FL	41,279
FL	+2,583	CA	+137	VA	+118	TX	649,809	CA	13,978	GA	26,062
IL	+1,953	GA	+76	TN	+105	NY	441,911	TX	13,853	NJ	22,888
GA	+1,836	TN	+57	CT	+82	GA	289,123	FL	12,482	AZ	21,611
TN	+1,650	MS	+33	CH	+81	IL	257,571	MA	9,166	VA	17,157
WI	+1,592	SC	+33	OK	+65	AZ	207,002	IL	8,461	AL	15,339
VA	+1,236	NC	+32	IN	+63	NJ	195,414	PA	7,820	MD	14,706
NC	+1,222	CH	+30	SC	+59	NC	180,754	MI	6,894	CH	14,164
AL	+1,148	IL	+28	KY	+58	TN	168,237	GA	6,204	MA	12,401
+20,576		+800		+1,142		3,787,417		120,249		275,602	
All states	+37,581	All states	+1,170	All states	+1,532	All states	6,366,986	All states	183,949	All states	383,458
Top ten	55%	Top ten	68%	Top ten	75%	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	
LA	-1,097	MI	-69	AL	-202	TX	+5,220
KS	-496	WA	-18	VA	-90	TN	+1,504
PA	-344	NC	-17	WA	-79	OK	+1,126
WA	-316	KS	-10	AZ	-53	CH	+939
MO	-246	AZ	-8	OK	-51	IN	+934



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

Recommended reading

[A Federal Leasing And Development Ban Threatens America's Energy Security And Economic Growth, Undermines Environmental Progress](#)

American Petroleum Institute
September 2020

[Finally, States Are Retracting Hydroxychloroquine Bans](#)

Christina Herrin
Heartland Institute
August 28, 2020

[Joe Biden Claims 6,000 Military Members Dead From COVID. The Real Number Is 7](#)

Peter Hasson
Daily Caller
September 9, 2020

[Trump told Woodward he downplayed COVID-19 to prevent mass panic, McEnany says](#)

Ebony Bowden
New York Post
September 9, 2020

[Joliet Chamber Of Commerce Dived Deep Into COVID Numbers In Will County And Found Double Counting](#)

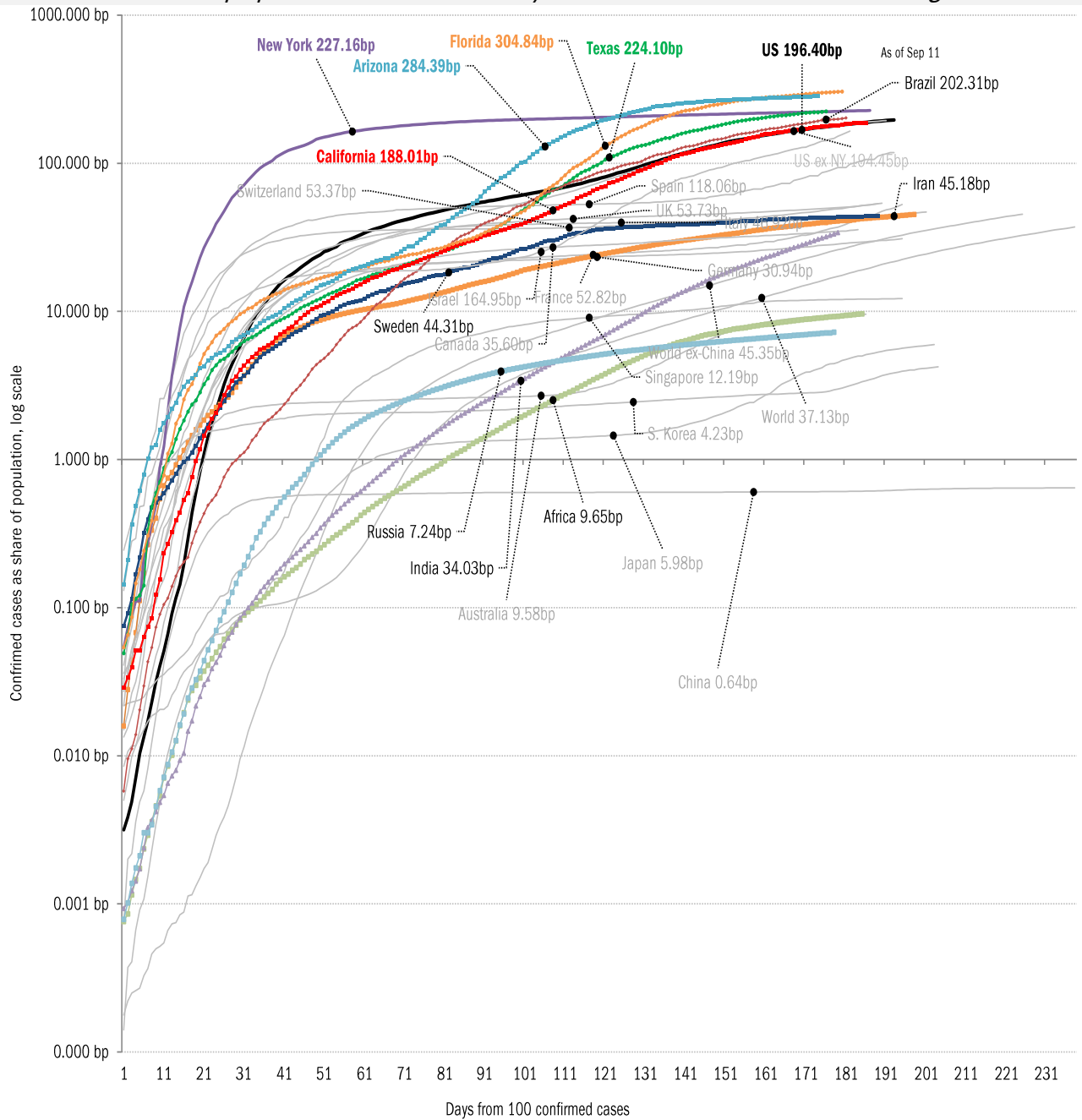
1340 WJOL
September 9, 2020

Meme of day



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

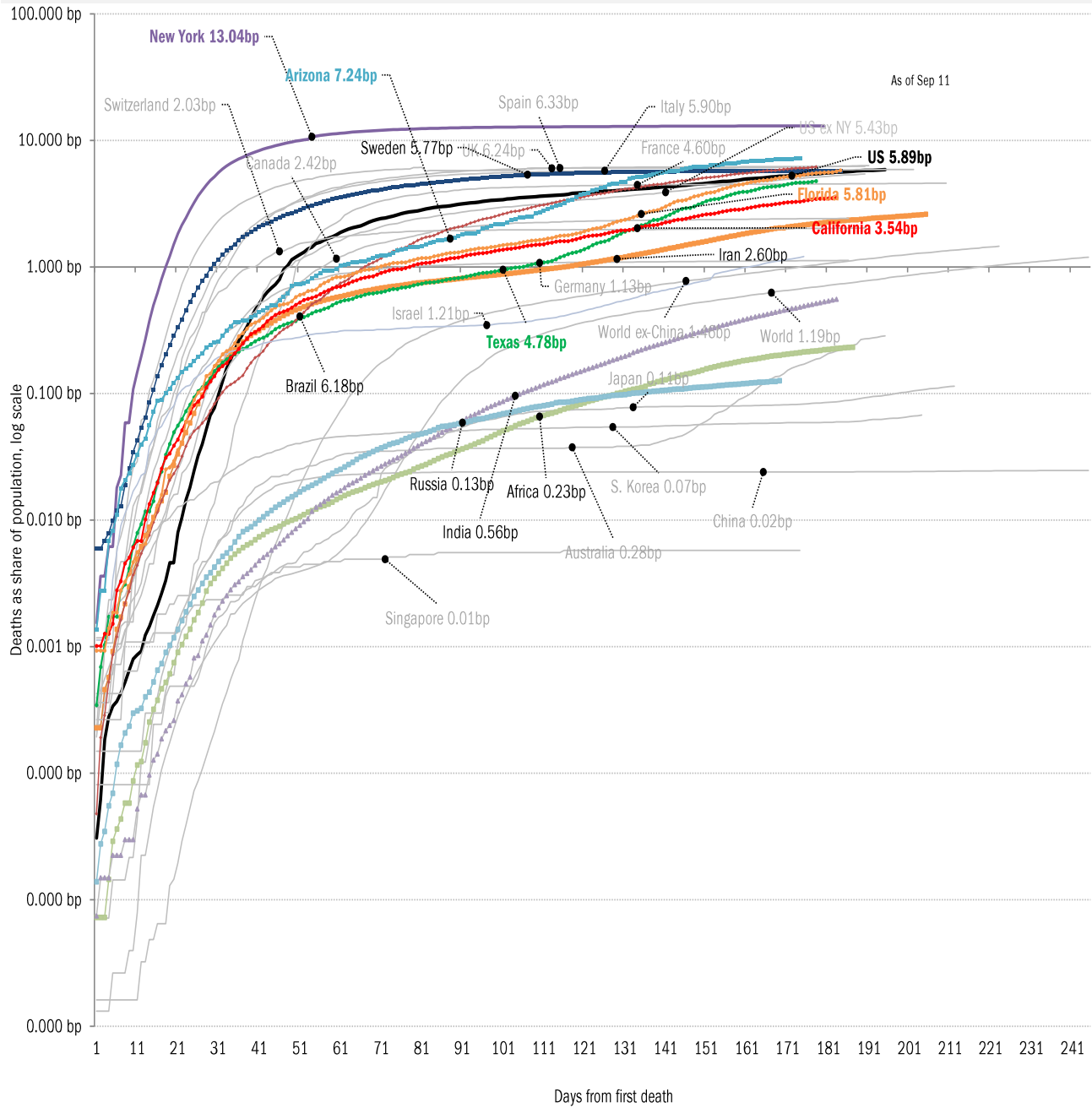
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

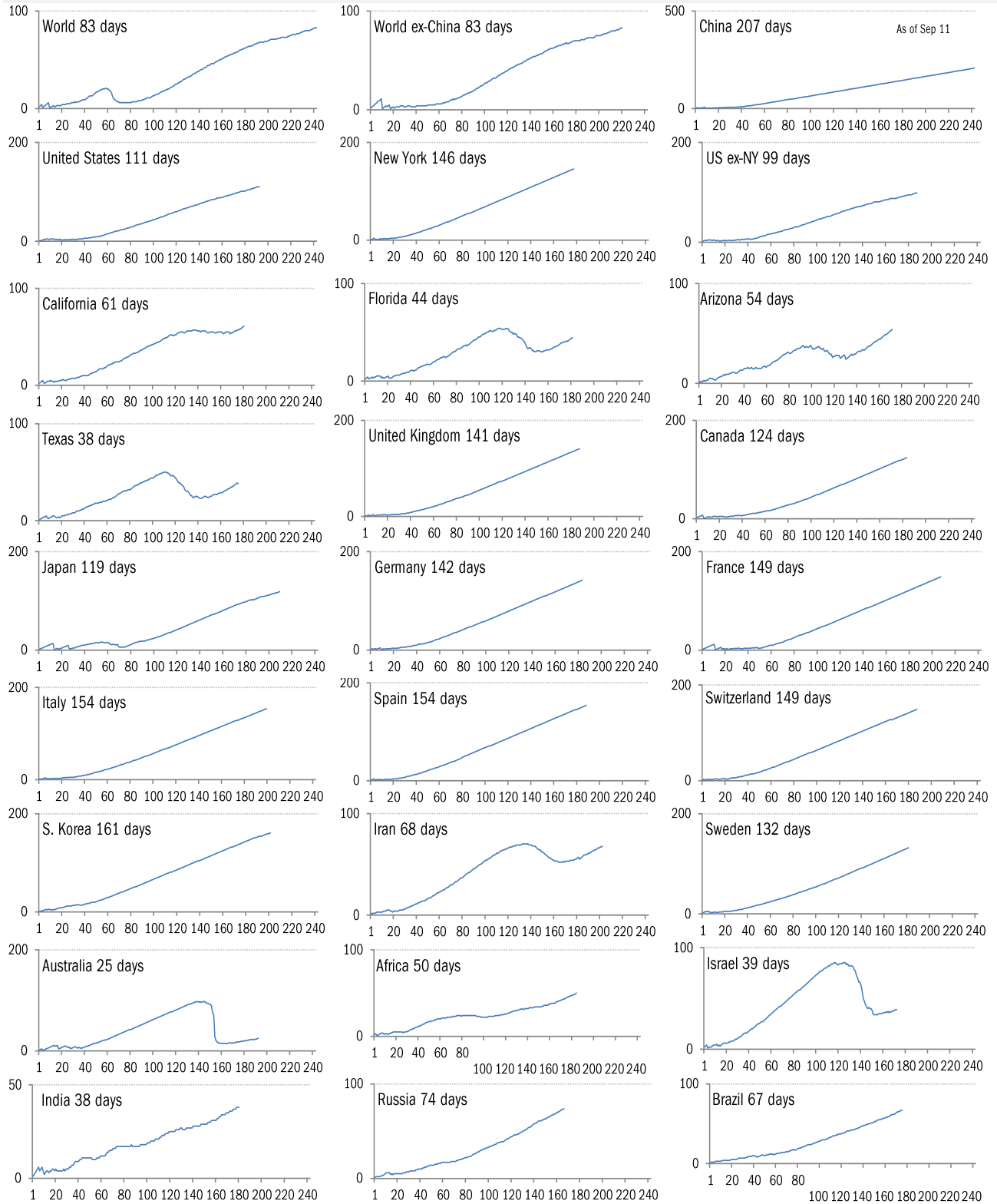


Source: [ECDC](#), TrendMacro calculations

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

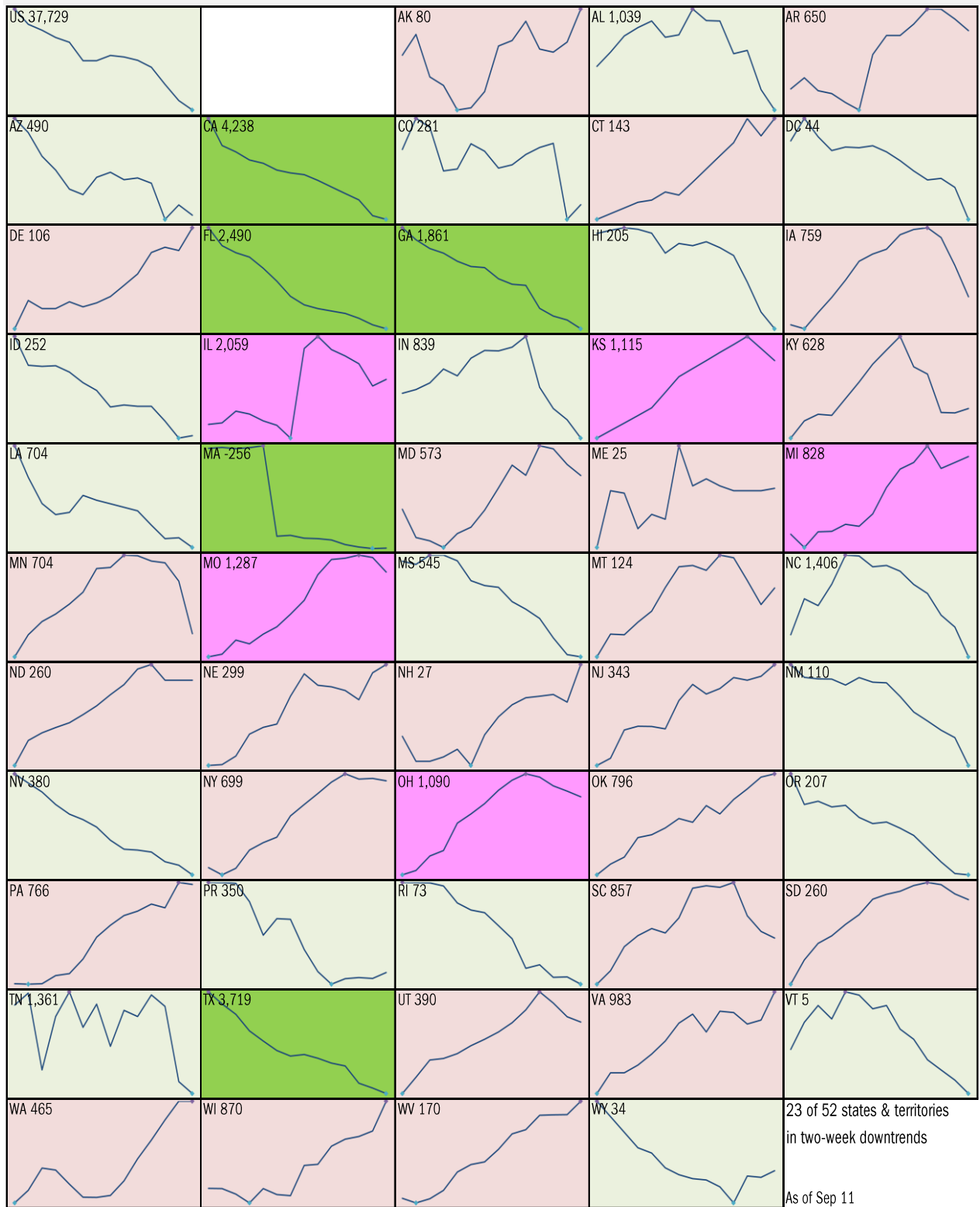
Vertical: days to double deaths Horizontal: days from first death

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



Source: [ECDC](https://www.ecdc.europa.eu/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

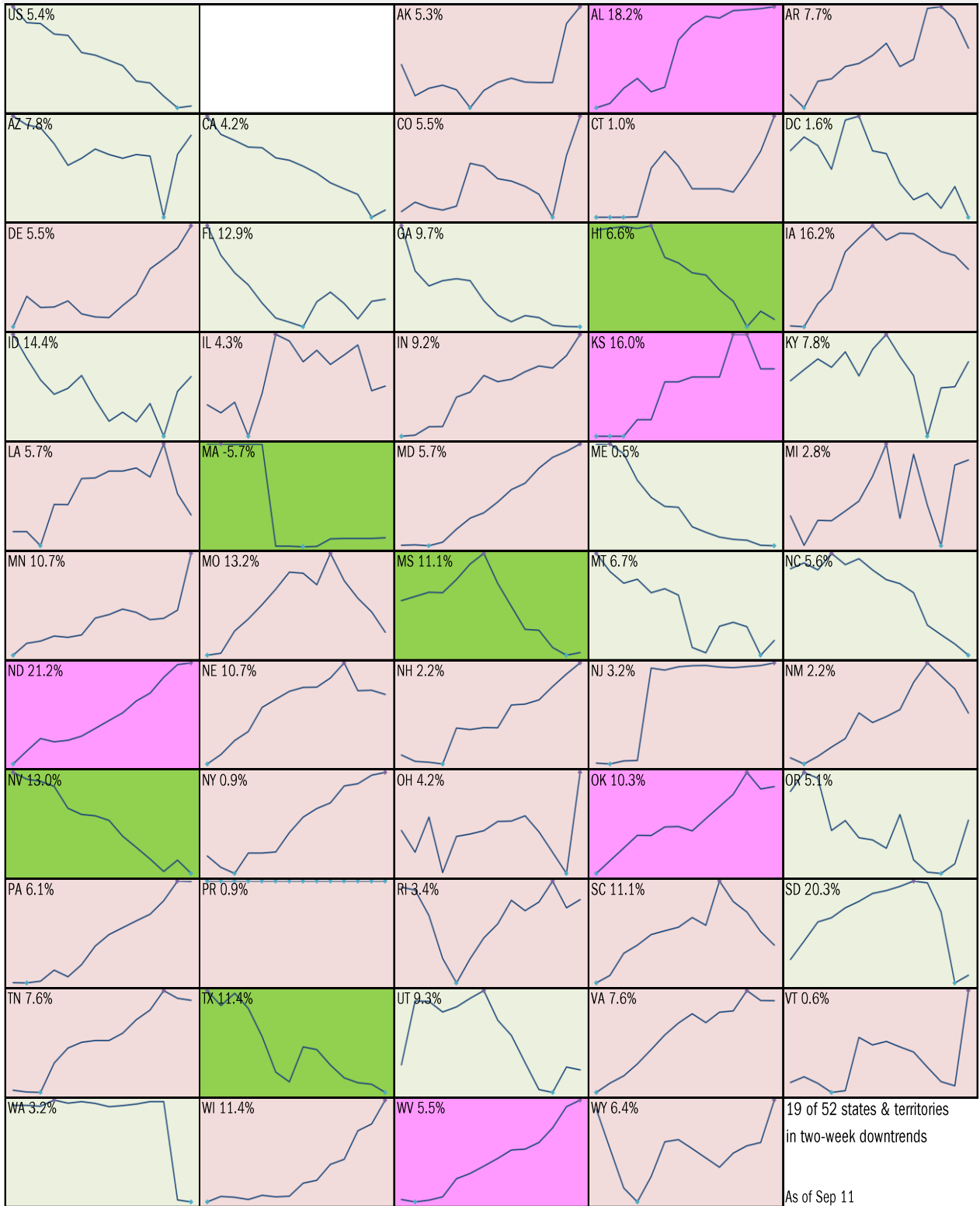


Source: [Covid Tracking Project](#), TrendMacro calculations

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



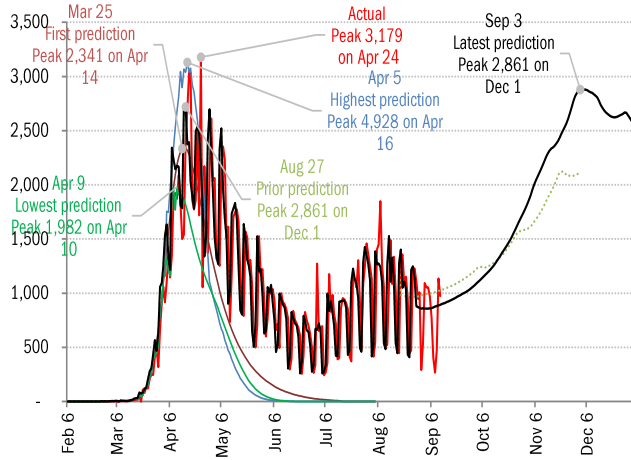
Source: [Covid Tracking Project](#), TrendMacro calculations

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

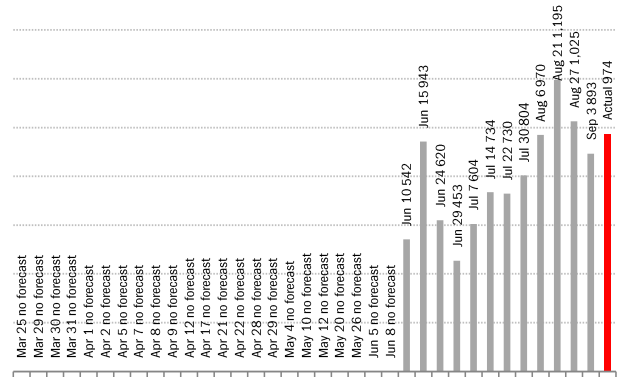
New daily fatalities

As of Sep 11

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

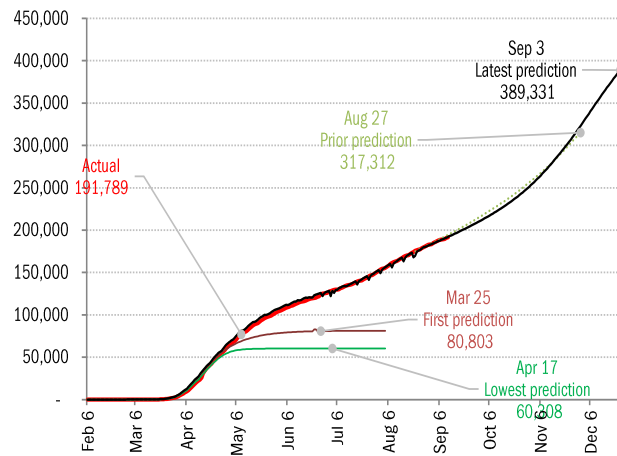


For this day, versus all model mean predictions

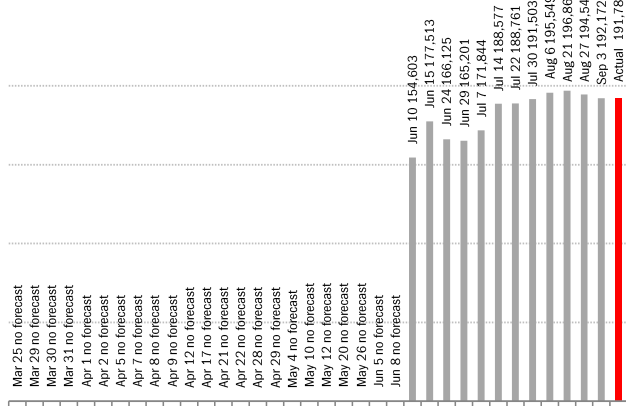


Cumulative fatalities

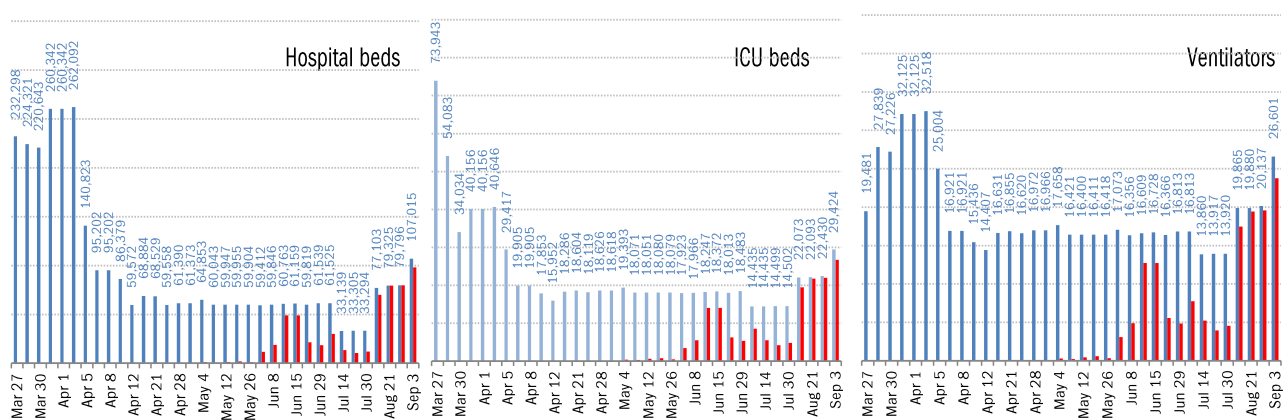
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

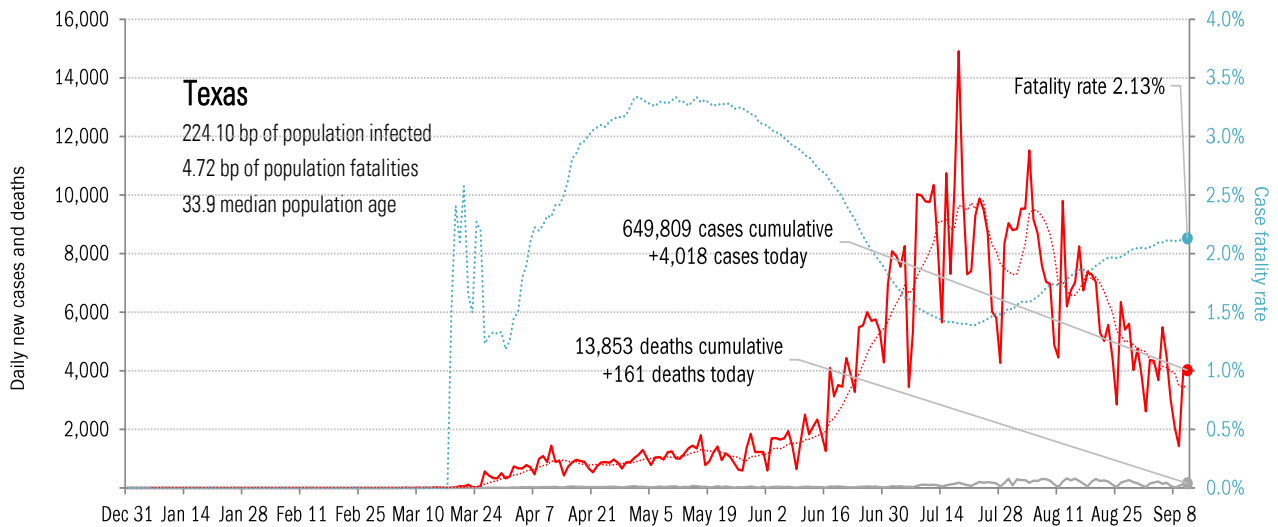
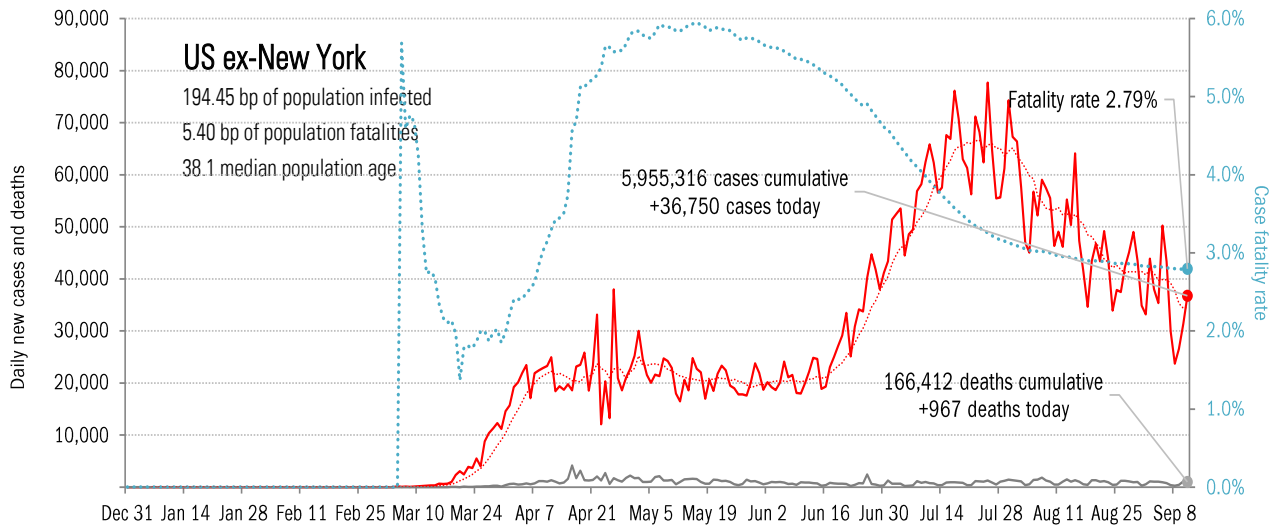
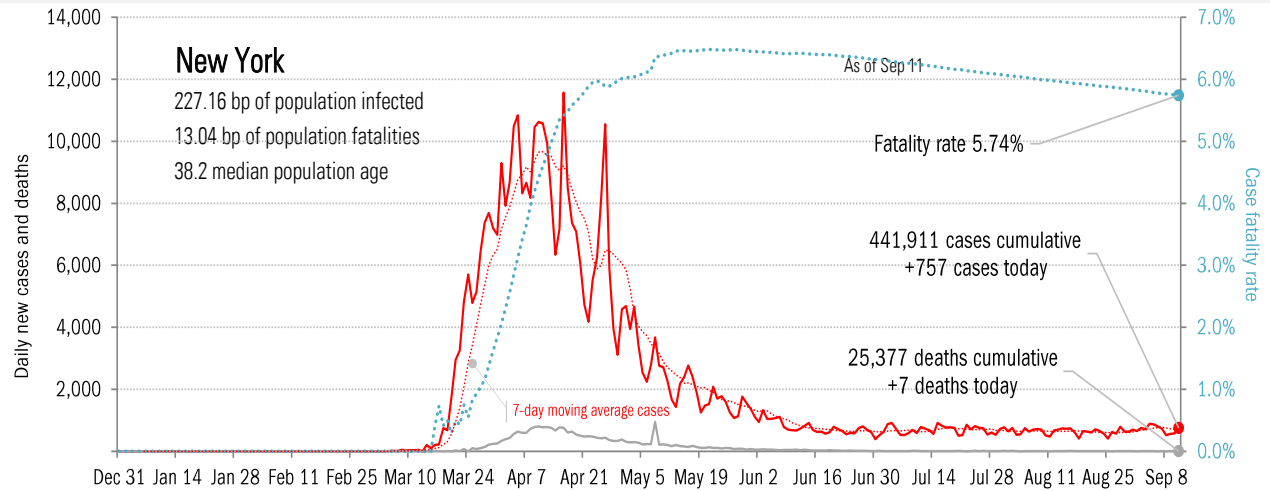


Healthcare system stress, peak and ultimate estimated at each model revision



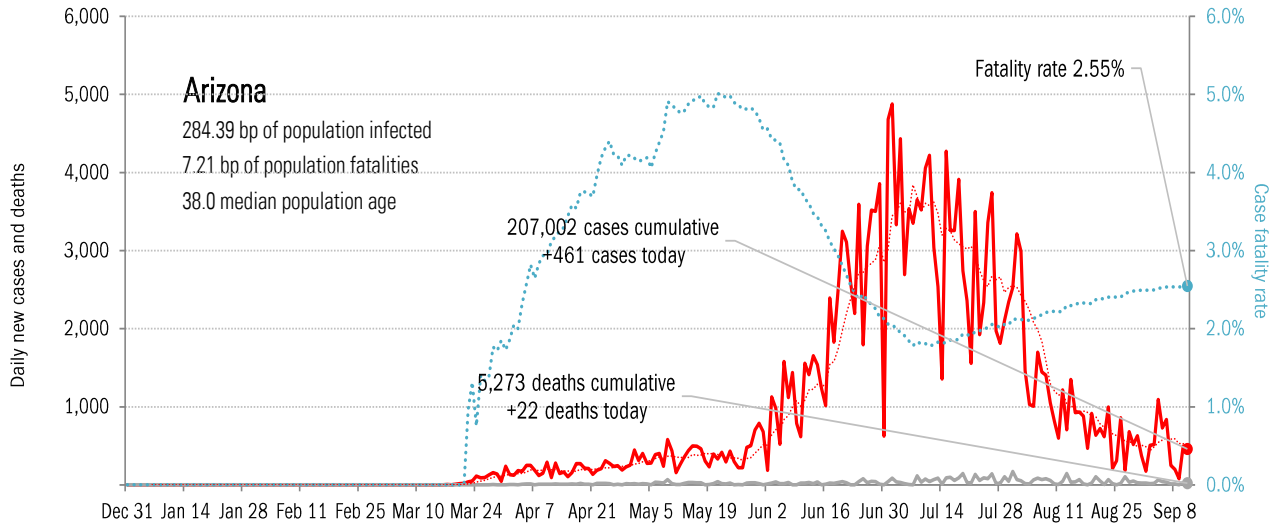
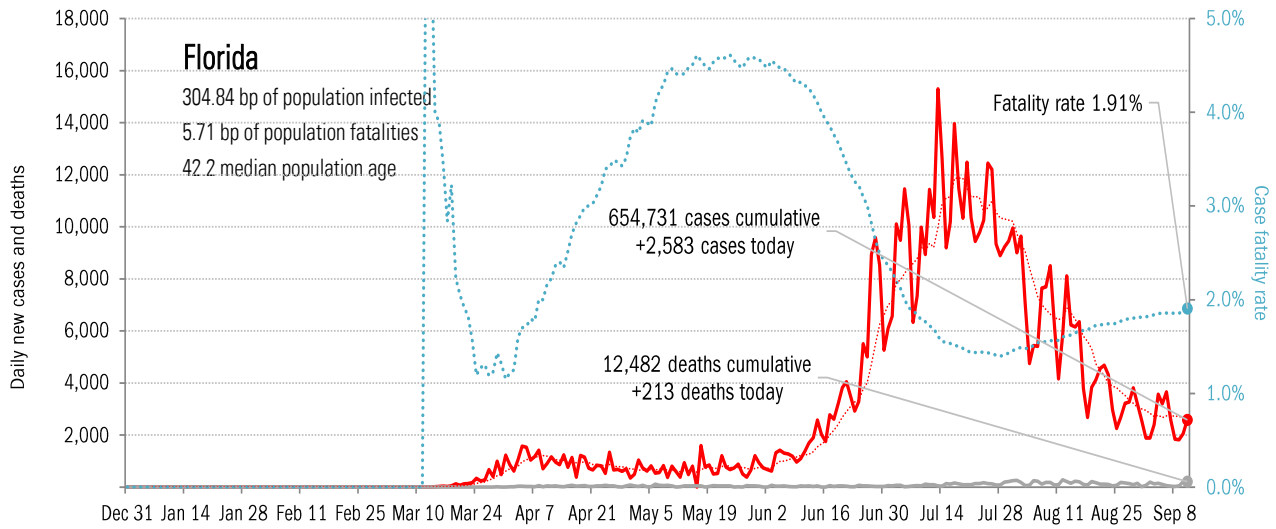
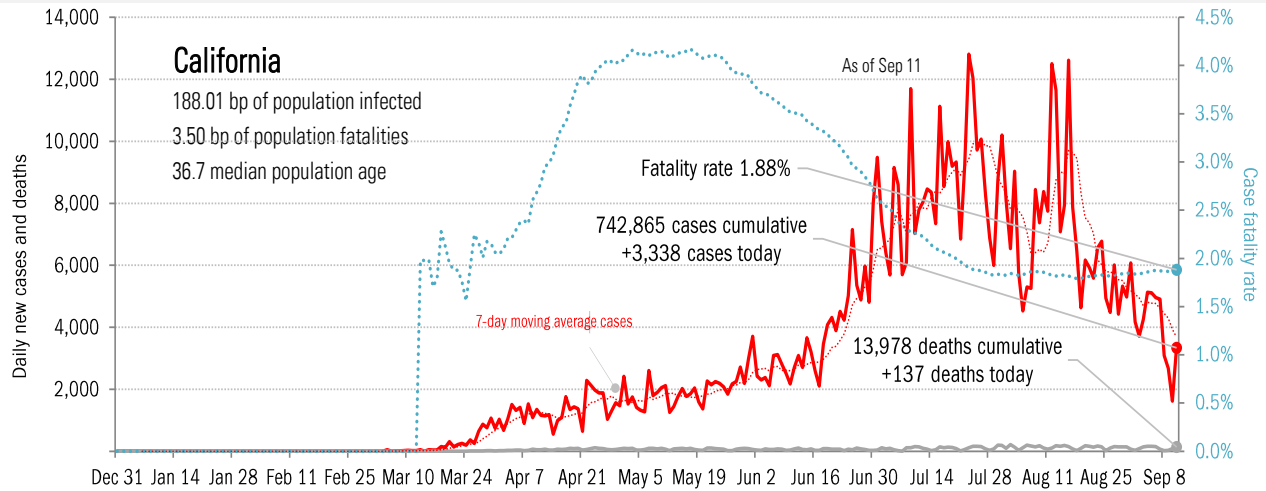
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



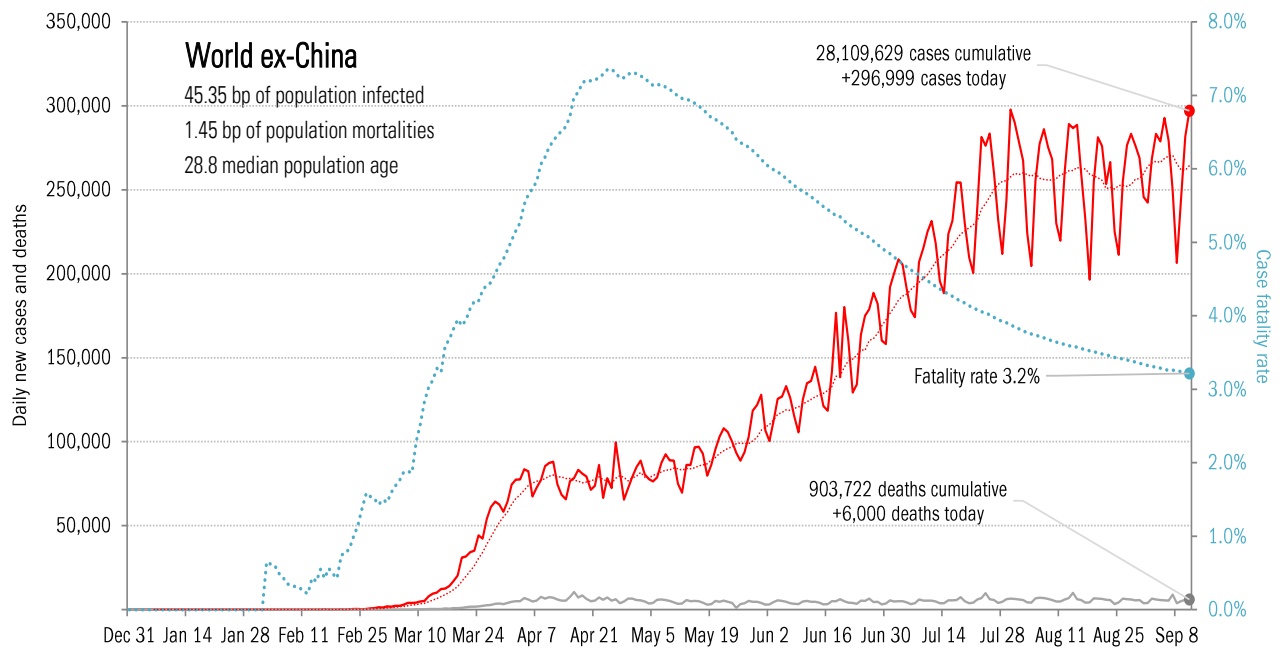
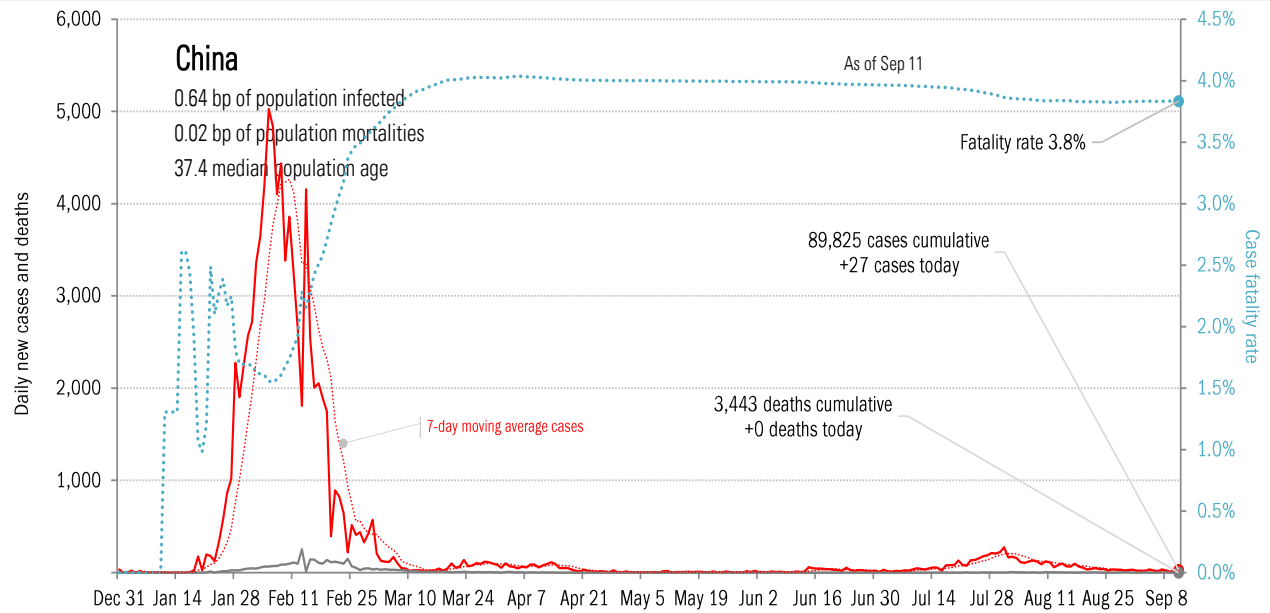
Source: [ECDC](#), TrendMacro calculations

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



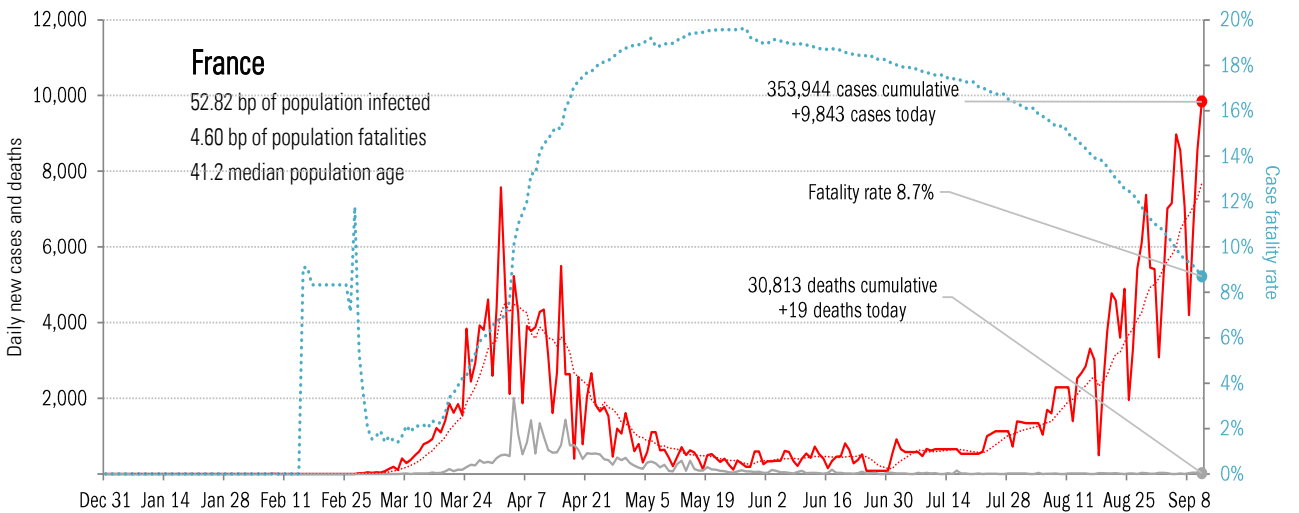
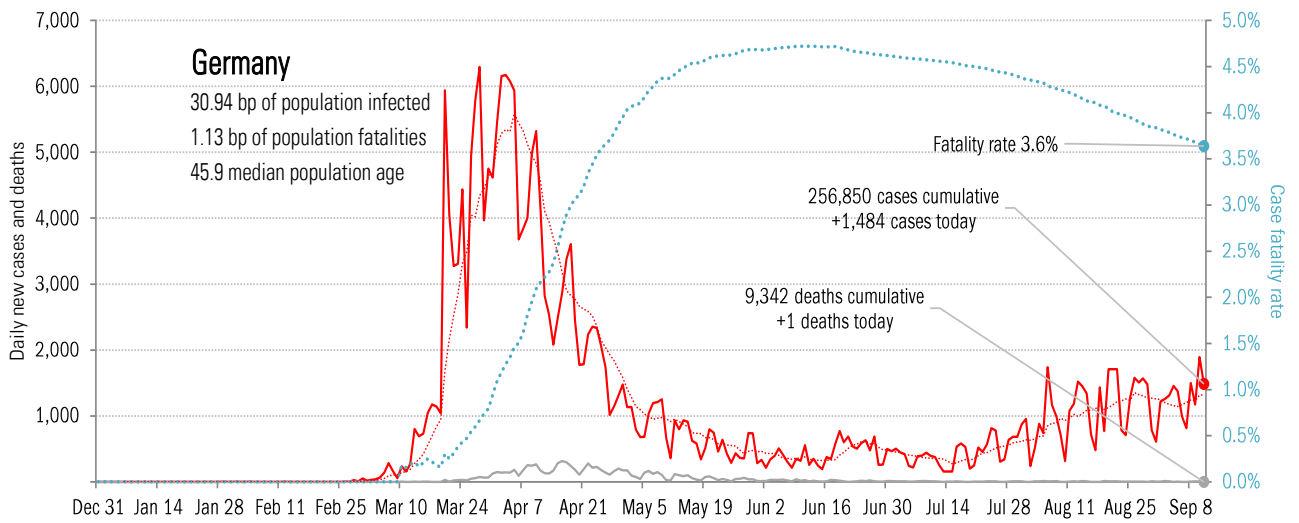
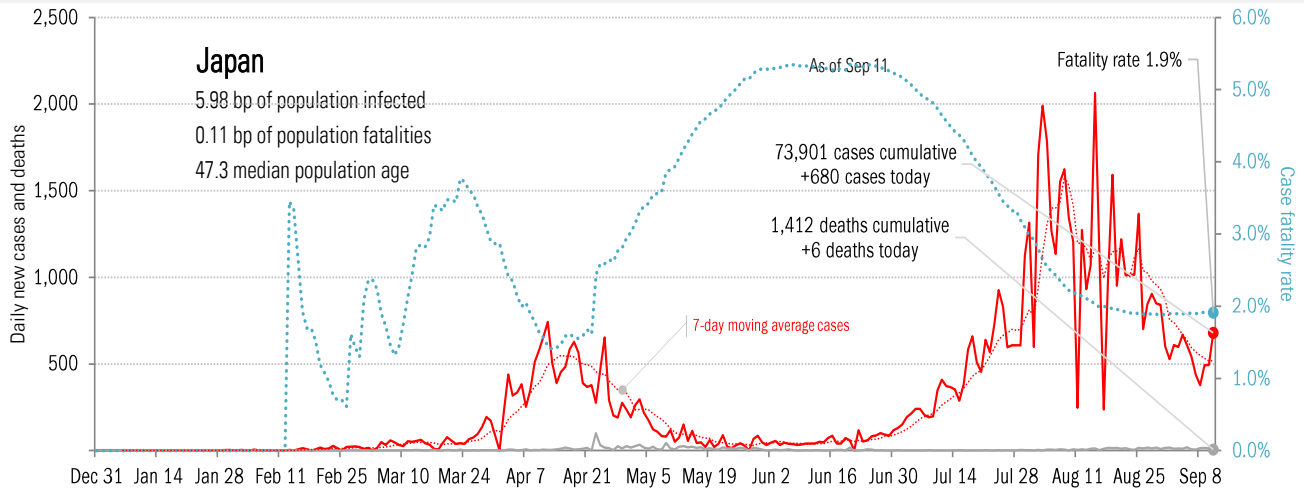
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



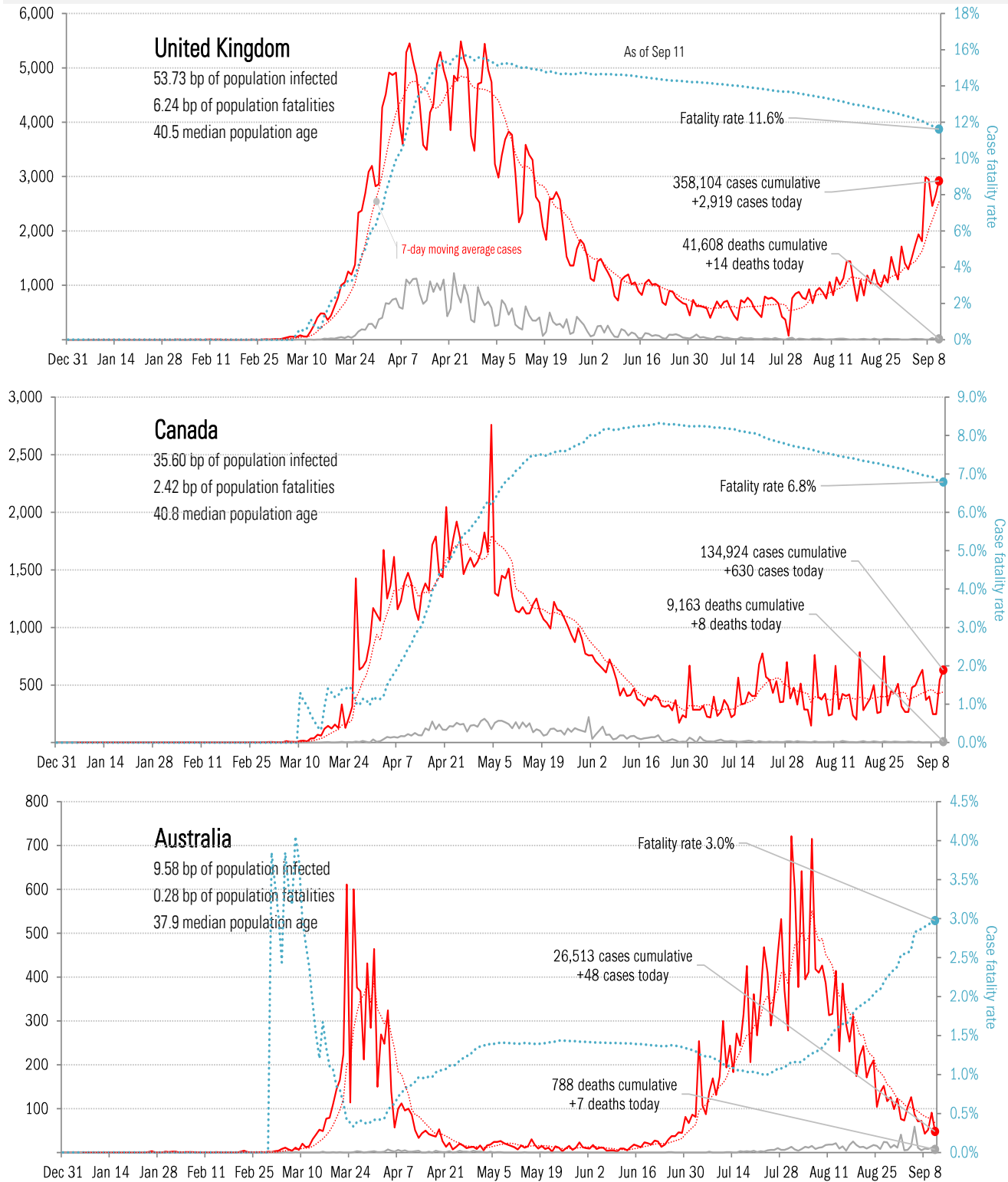
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



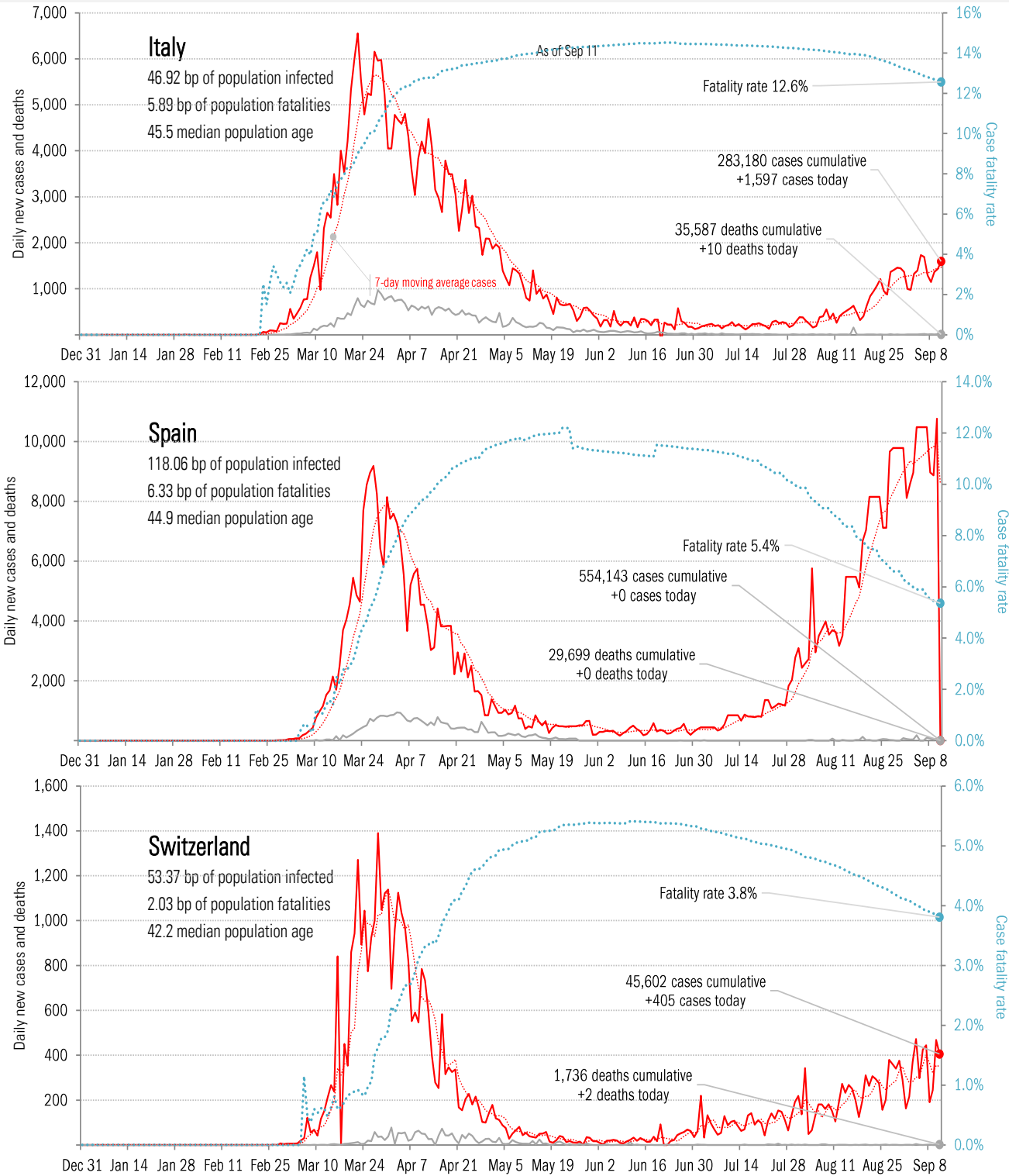
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



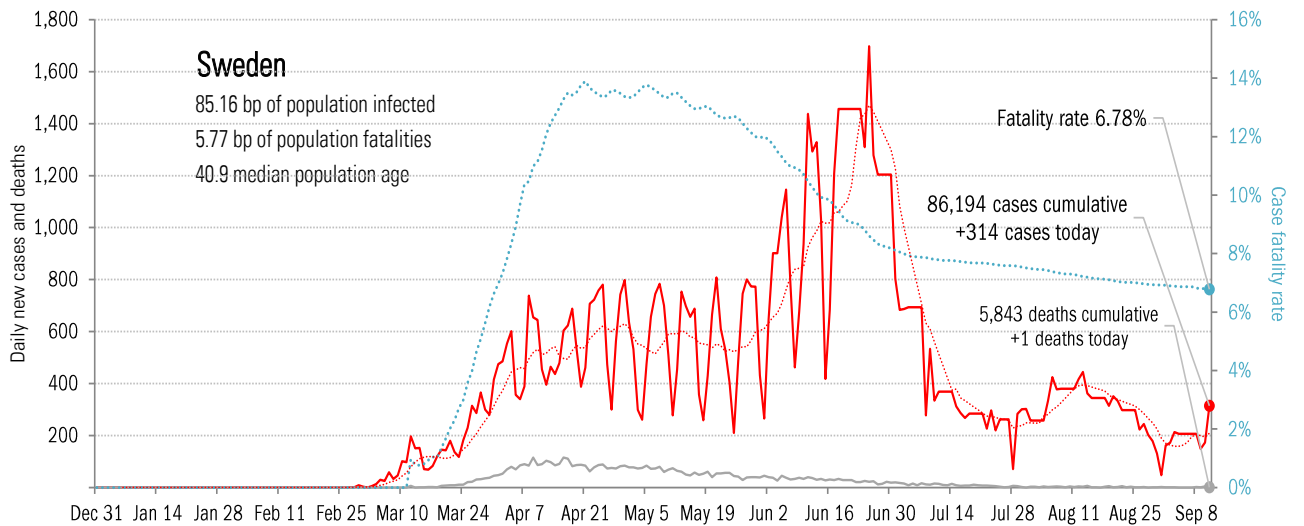
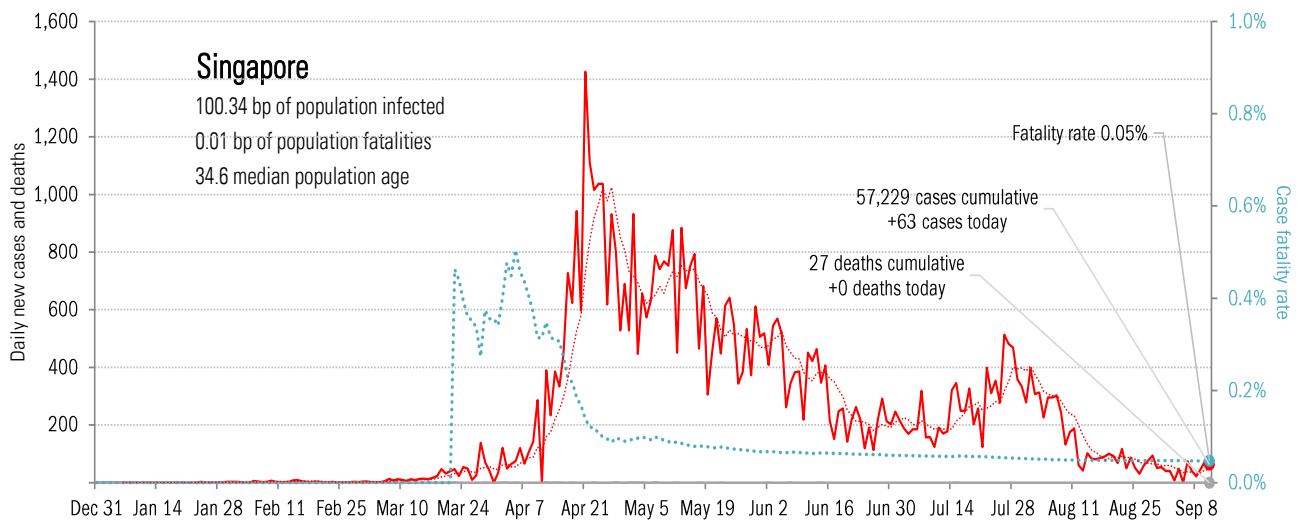
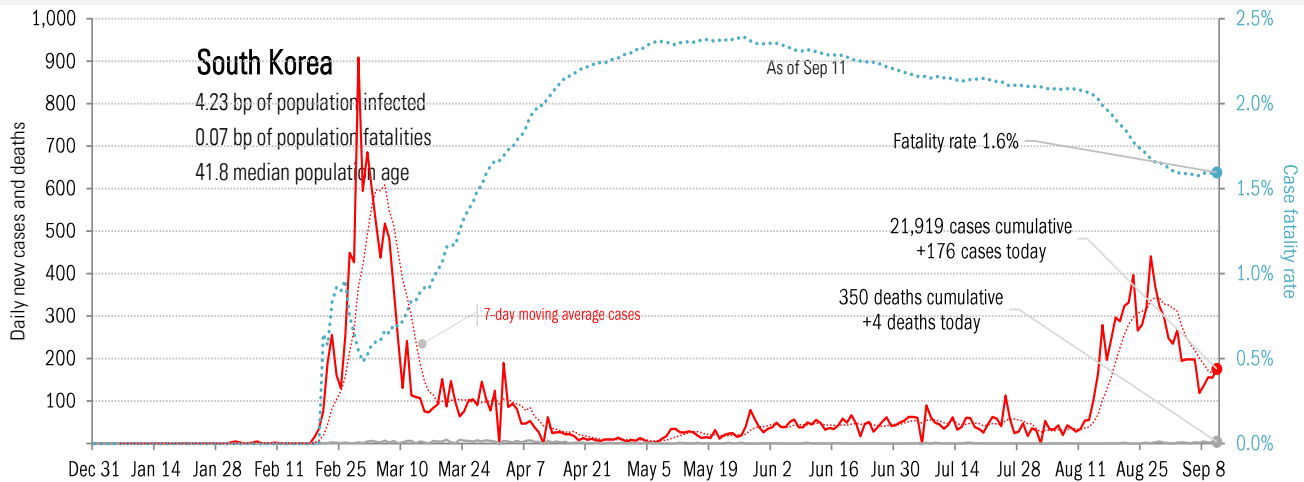
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



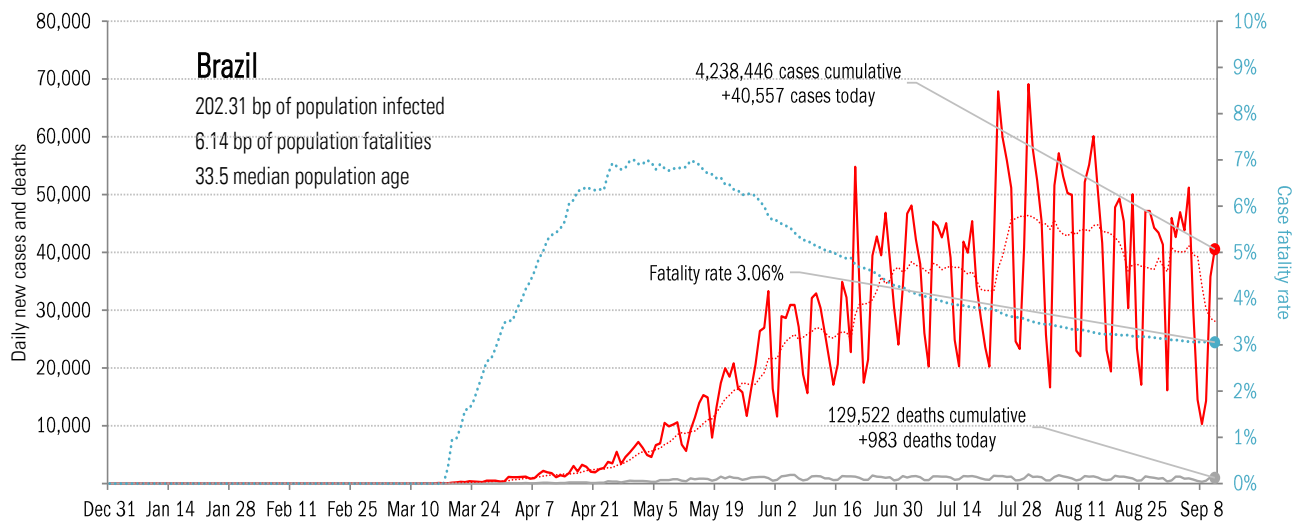
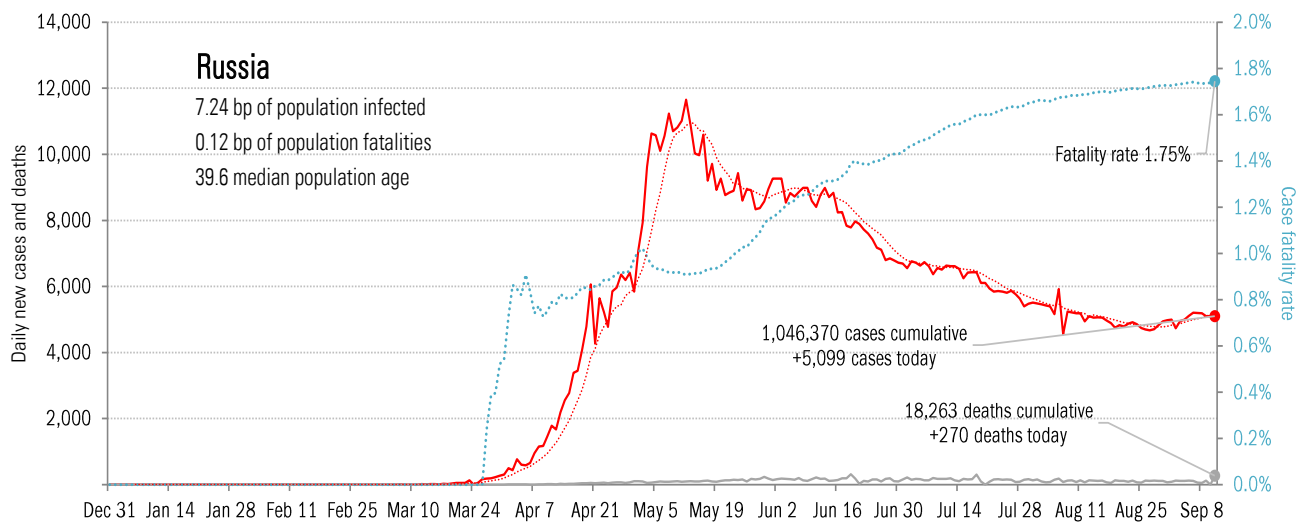
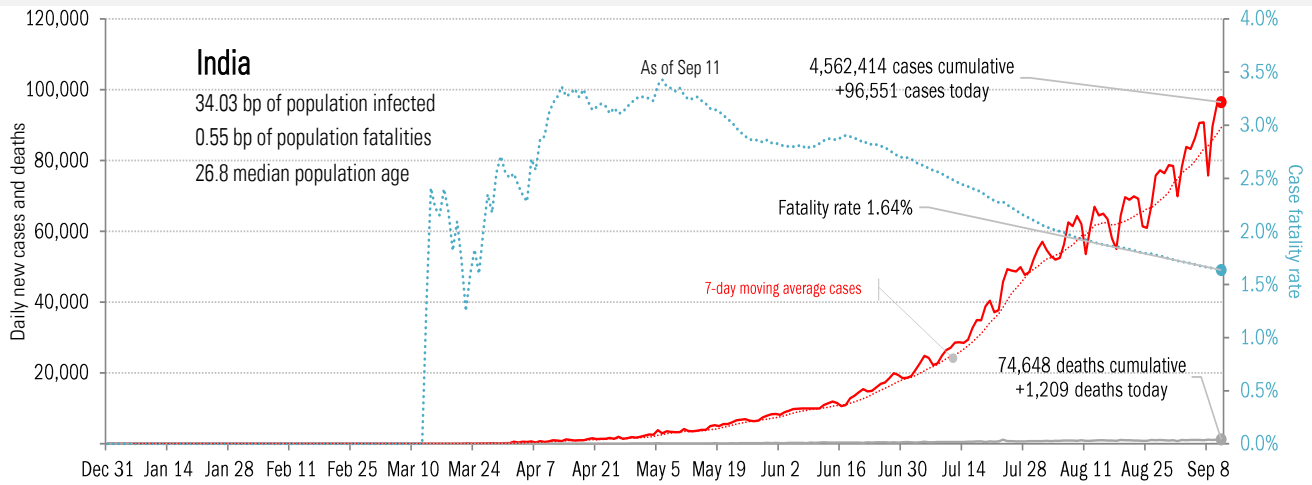
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



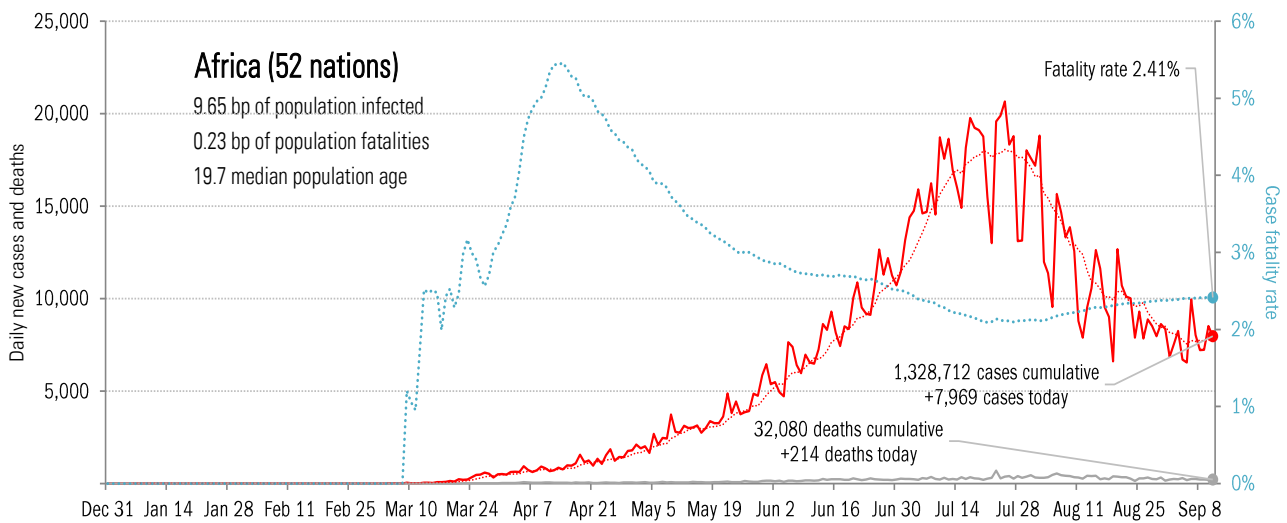
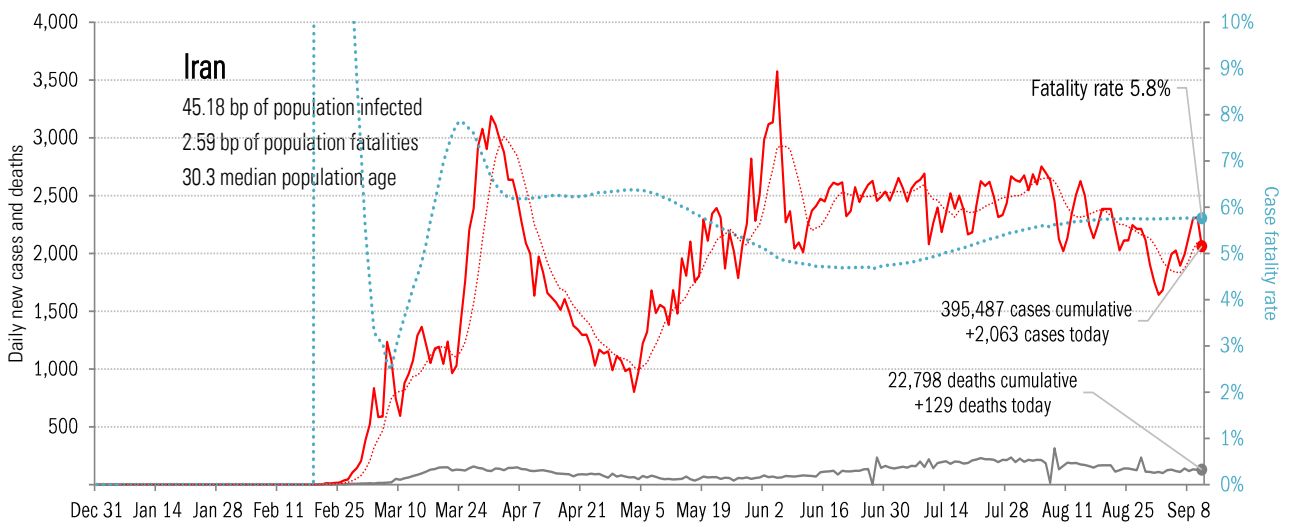
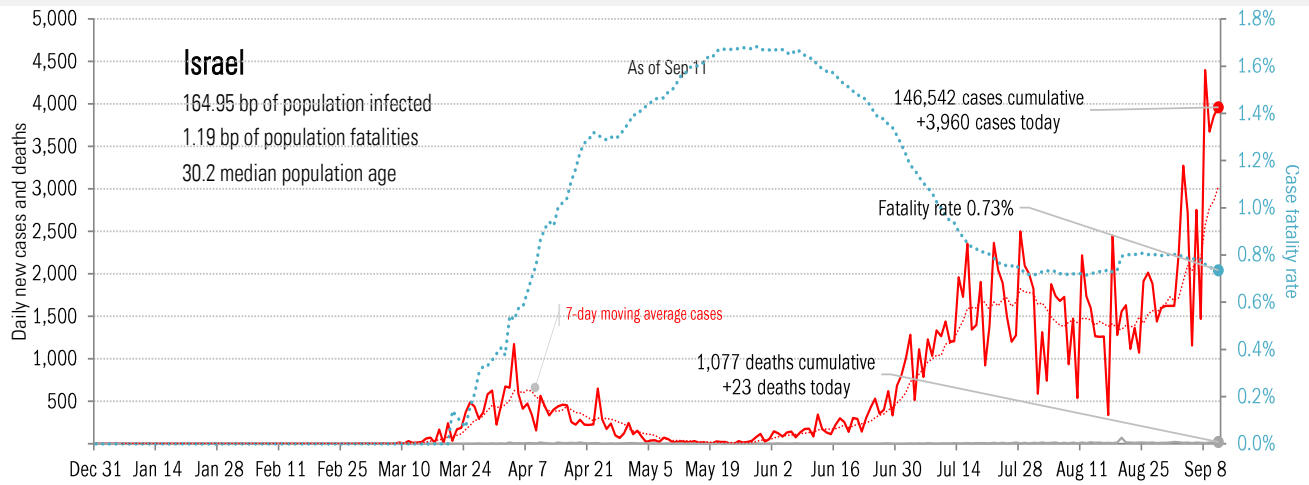
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations