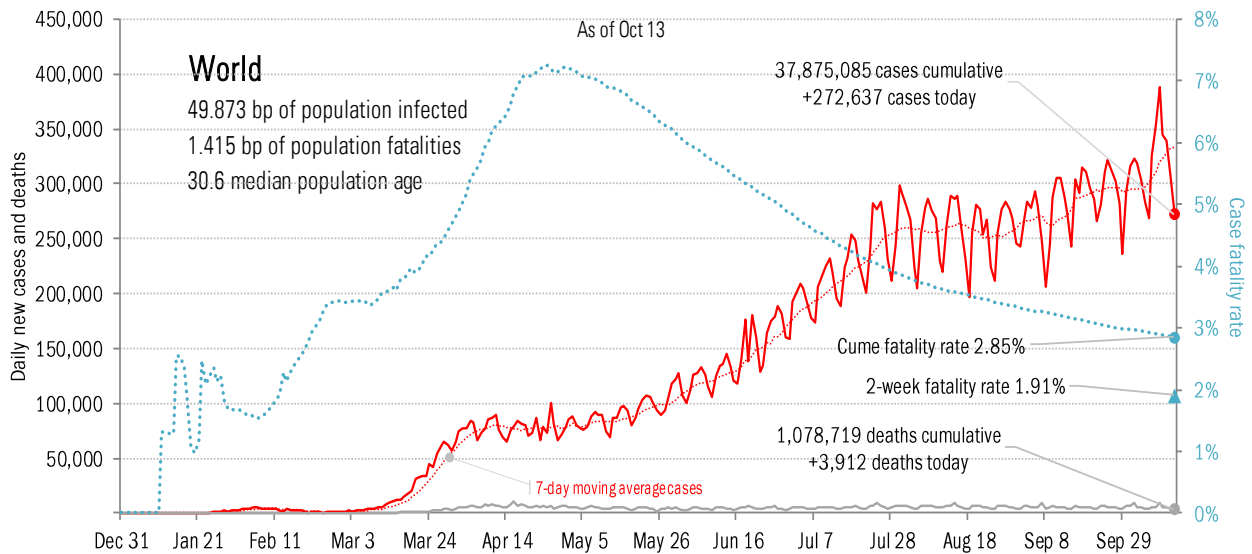
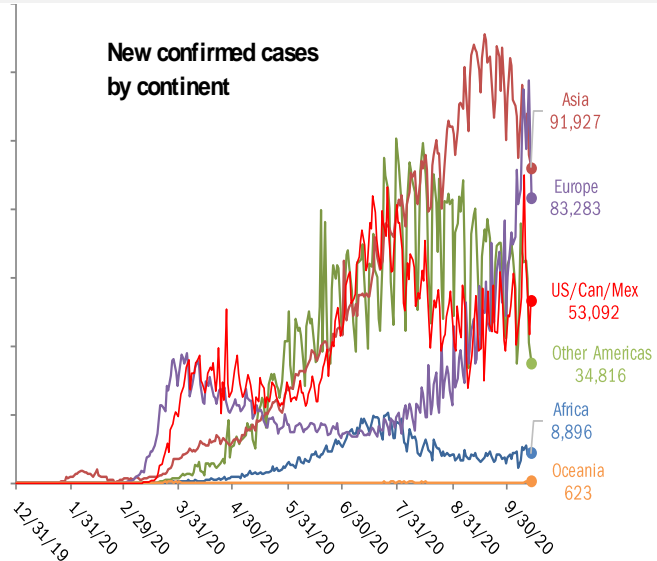


Data Insights: Covid-2019 Monitor

Tuesday, October 13, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+55,342	India	+706
US	+41,653	Argentina	+318
UK	+13,972	US	+314
Russia	+13,592	Mexico	+303
Spain	+12,788	Iran	+272
Argentina	+9,524	Brazil	+201
France	+8,505	Colombia	+151
Brazil	+8,426	Russia	+125
Colombia	+7,767	France	+95
Netherlands	+6,844	Indonesia	+91
+178,413		+2,576	
World +272,637		World +3,912	
Top ten 65%		Top ten 66%	



Source: [ECDC](#), TrendMacro calculations

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

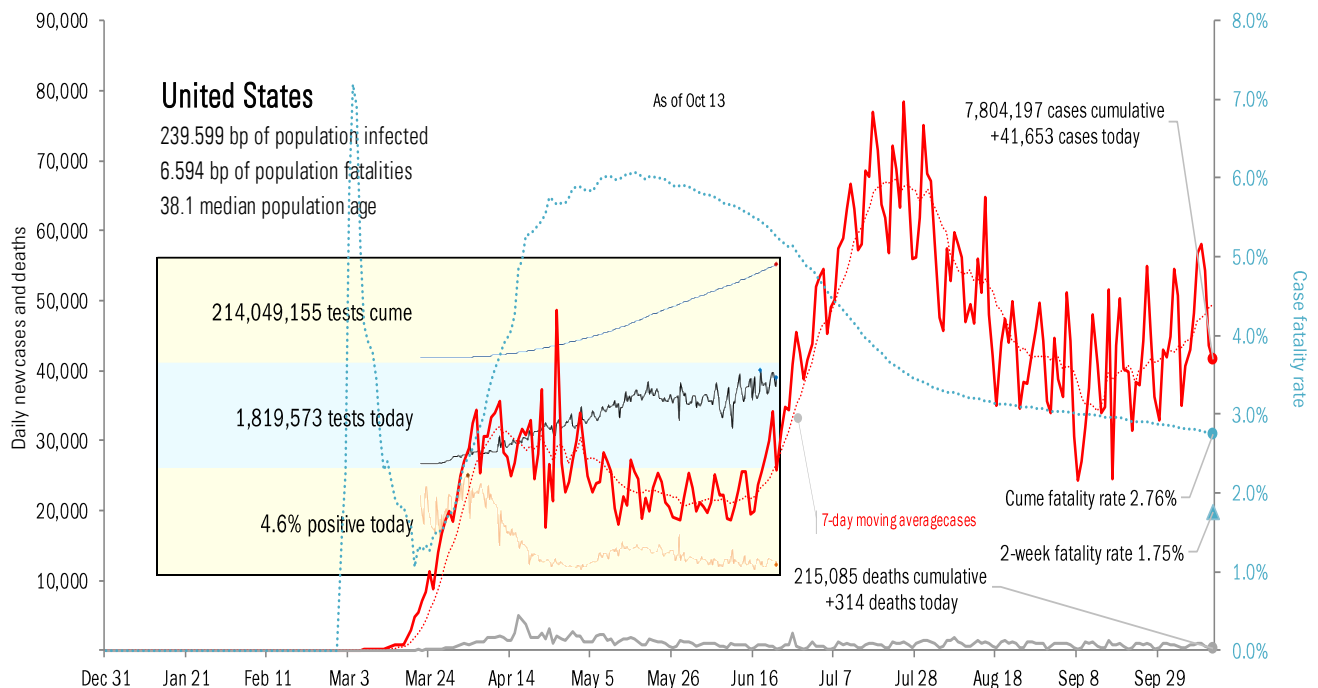
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+3,449	FL	+47	NJ	+492	CA	850,028	NY	25,587	TX	3,870
TN	+2,965	PA	+18	TX	+248	TX	795,126	CA	16,572	CA	3,070
IL	+2,742	AR	+17	FL	+83	FL	736,024	TX	16,558	FL	2,206
TX	+2,648	LA	+14	WI	+78	NY	475,315	NJ	16,175	IL	1,764
KS	+2,055	GA	+13	NC	+63	GA	332,311	FL	15,599	GA	1,666
WI	+2,016	IL	+13	CH	+62	IL	324,930	MA	9,617	MO	1,313
MI	+1,932	MA	+13	NY	+58	NC	232,747	IL	9,243	IN	1,238
IN	+1,574	NY	+13	GA	+47	AZ	226,050	PA	8,368	NC	1,109
FL	+1,533	IA	+12	AL	+44	TN	217,682	GA	7,429	VA	965
CH	+1,430	ND	+12	AR	+42	NJ	214,097	MI	7,225	WI	950
+22,344		+172		+1,217		4,404,310		132,373		18,151	
All states	+43,043	All states	+284	All states	+1,028	All states	7,770,673	All states	206,881	All states	35,056
Top ten	52%	Top ten	61%	Top ten	118%	Top ten	57%	Top ten	64%	Top ten	52%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
FL	-4,037	FL	-133	TN	-147	AR	+6
LA	-1,121	CA	-56	KS	-114	KS	+3
WI	-697	TX	-30	CA	-52	AL	+1
IA	-612	GA	-10	IN	-46	AK	+0
WA	-475	MN	-7	UT	-43	AS	+0



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

Recommended reading

[COVID-19 can survive on money, phone for weeks — but experts say there's 'limited' evidence virus spreads this way](#)

Korin Miller
Yahoo Life
October 12, 2020

[It's past time for schools to reopen](#)

Helaine Olen
Washington Post
October 8, 2020

[Lab Coat Tyranny](#)

Christopher F. Rufo
City Journal
October 9, 2020

[A call for diagnostic tests to report viral load](#)

Robert F. Service et al.
Science
October 2, 2020

[WHO warns against COVID-19 lockdowns due to economic damage](#)

Jackie Salo
New York Post
October 11, 2020

[Ballot Deadlines and the Supreme Court](#)

New York Times
October 11, 2020

[The Supreme Court and the Election Returns](#)

David B. Rivkin Jr. and Lee A. Casey
Wall Street Journal
October 11, 2020

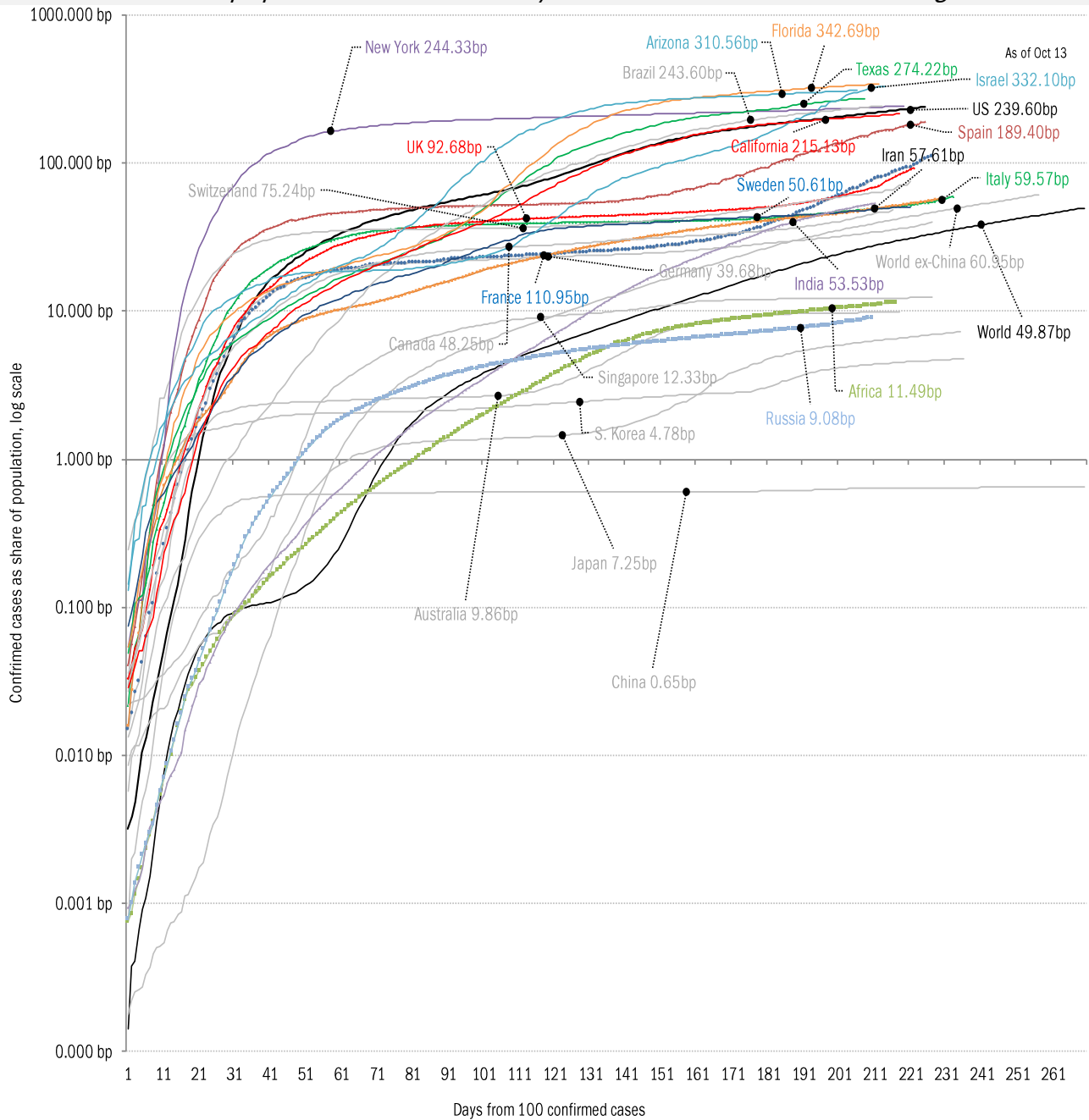
Meme of day



Man Slowly Eats Bag Of Cheetos All Day So He Won't Have To Wear A Mask

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

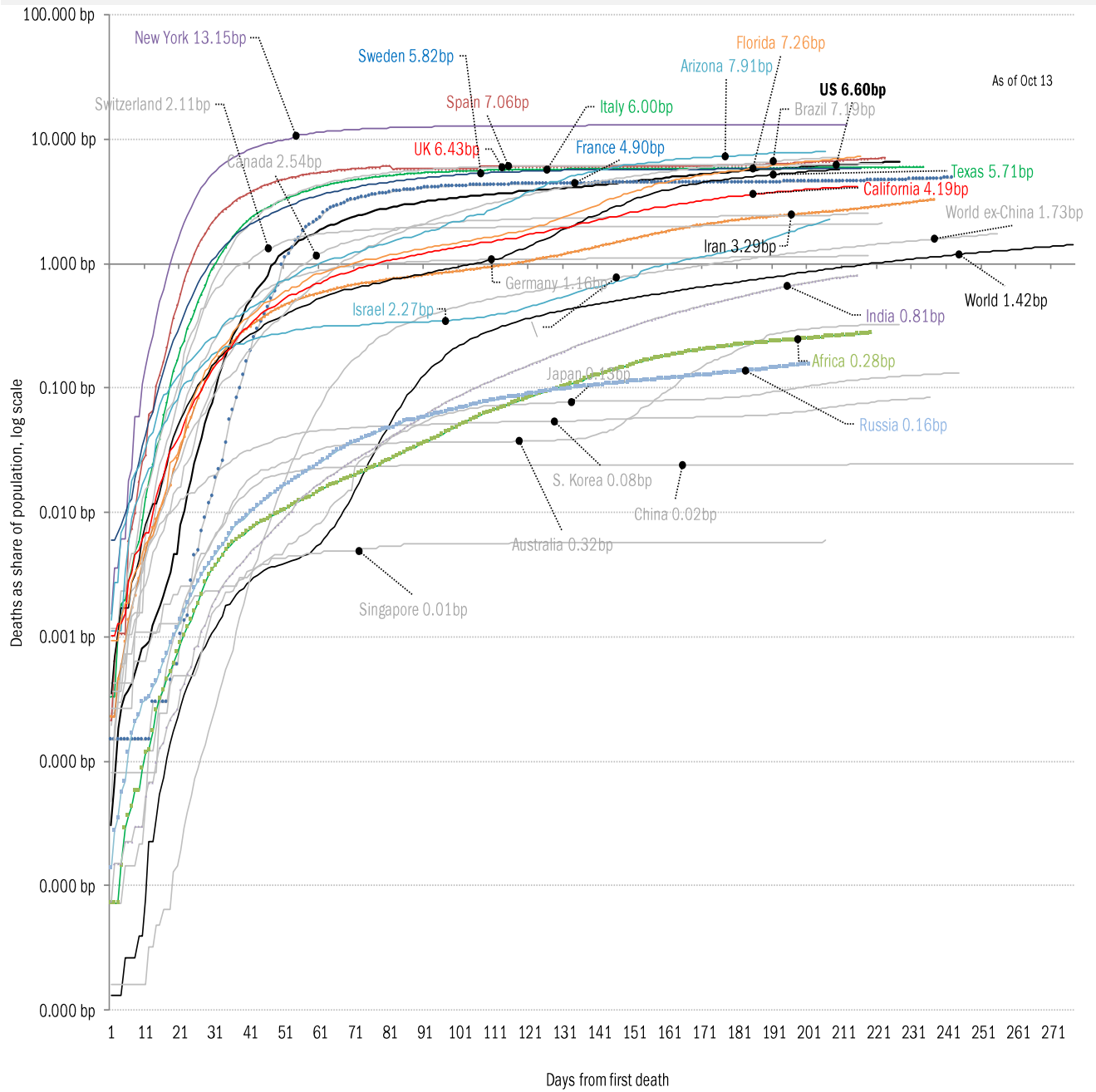
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

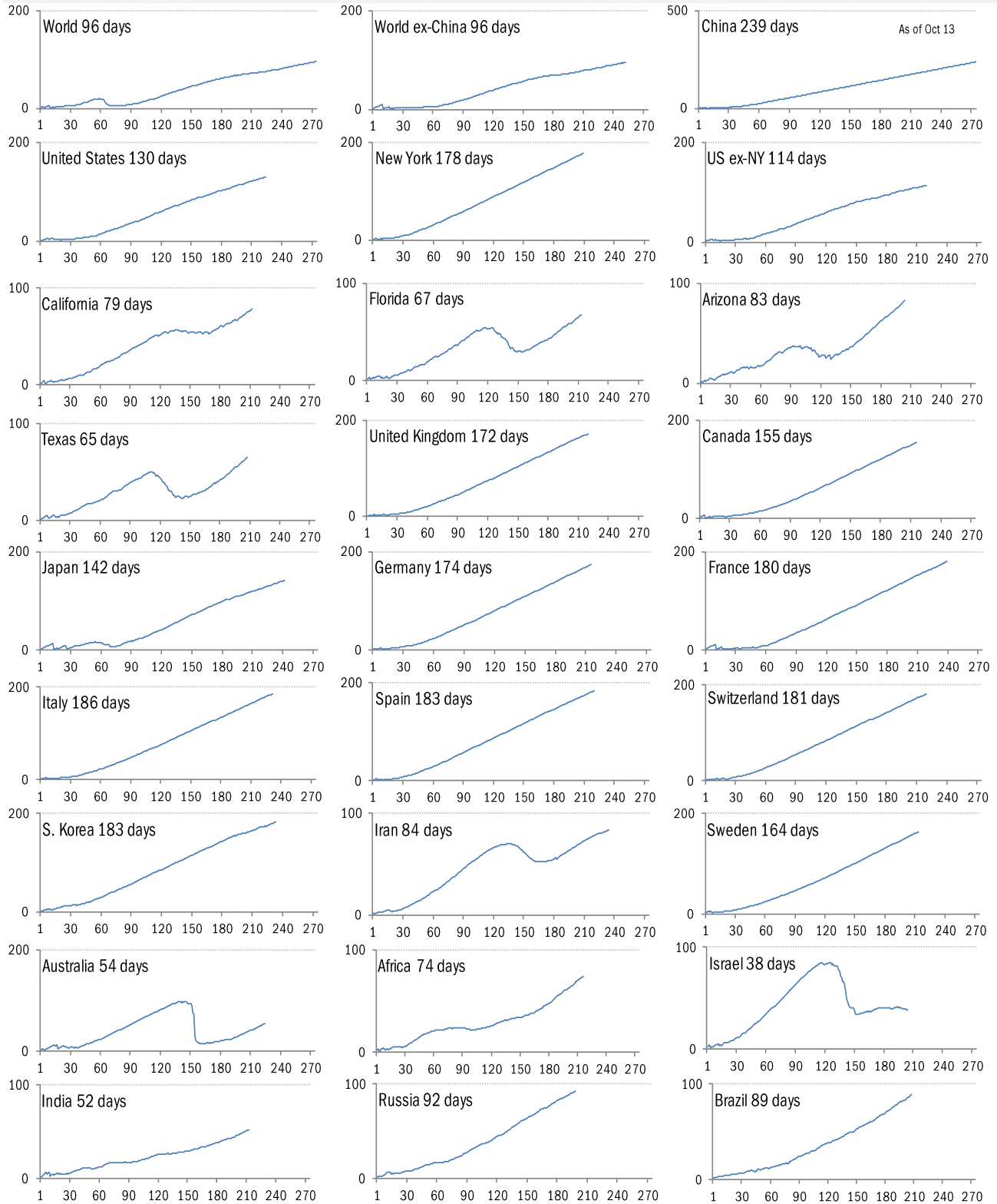


Source: [ECDC](#), TrendMacro calculations

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

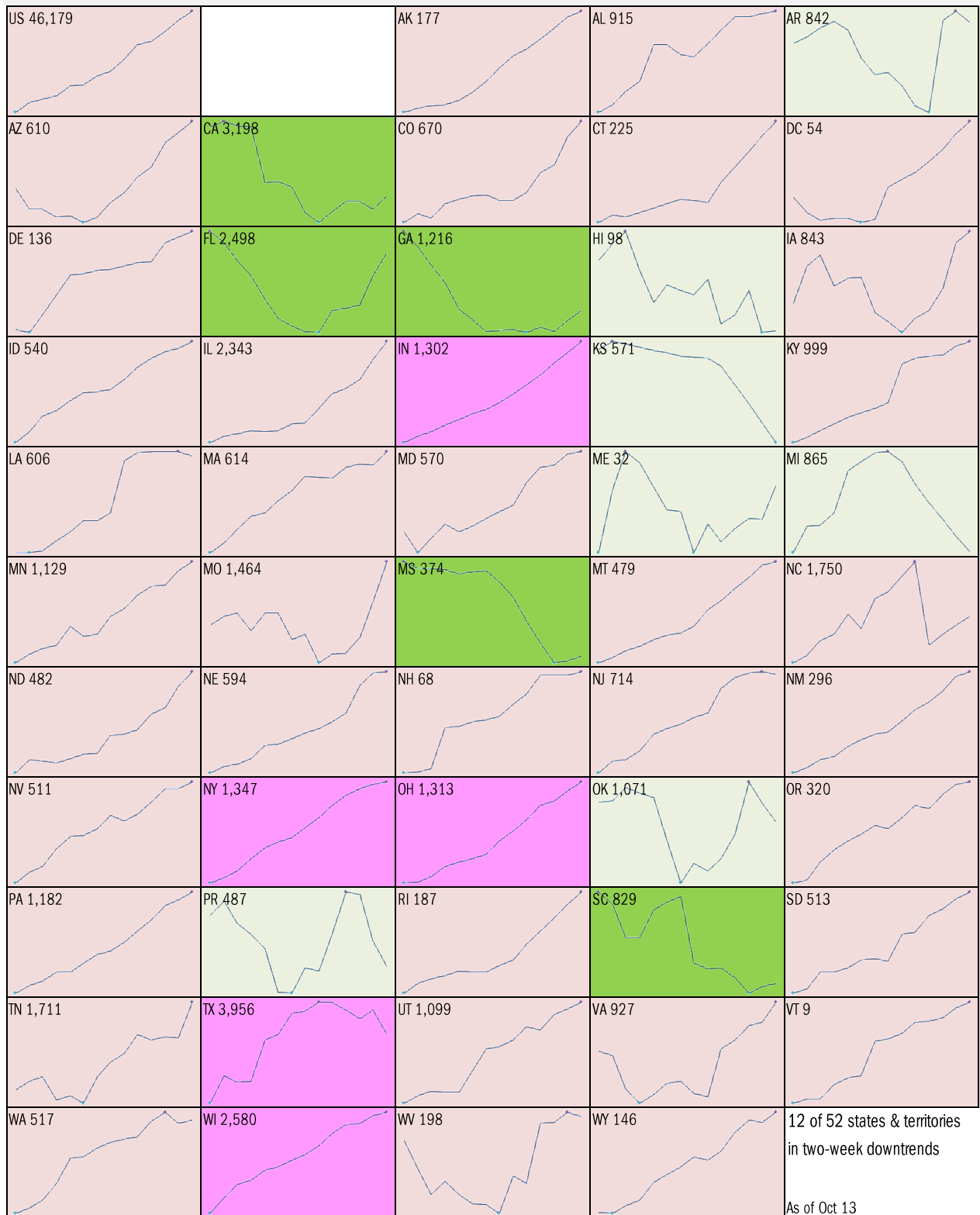
Vertical: days to double deaths Horizontal: days from first death

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



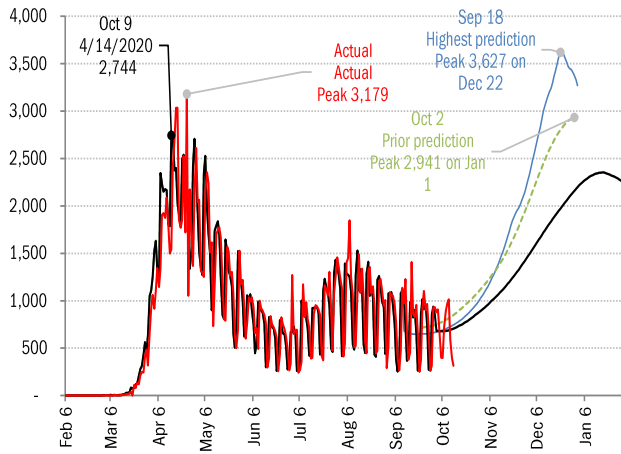
Source: [Covid Tracking Project](#), TrendMacro calculations

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

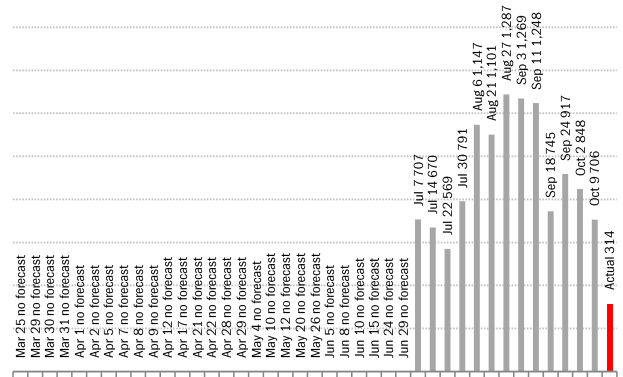
New daily fatalities

As of Oct 13

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

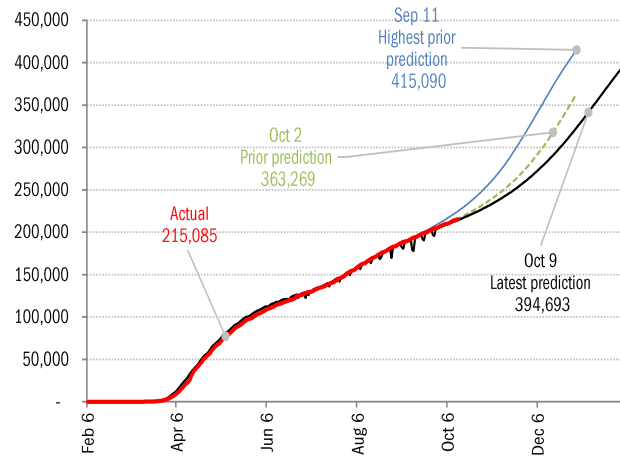


For this day, versus all model mean predictions

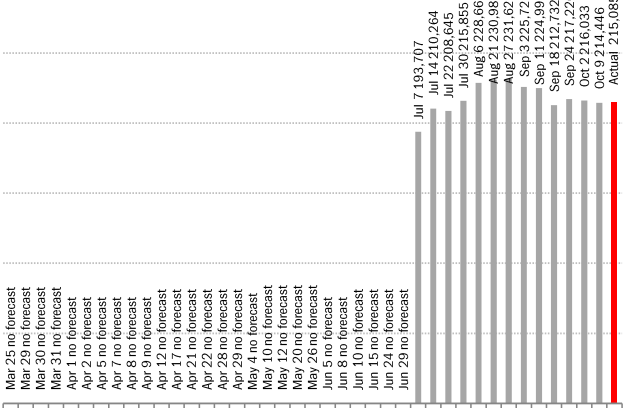


Cumulative fatalities

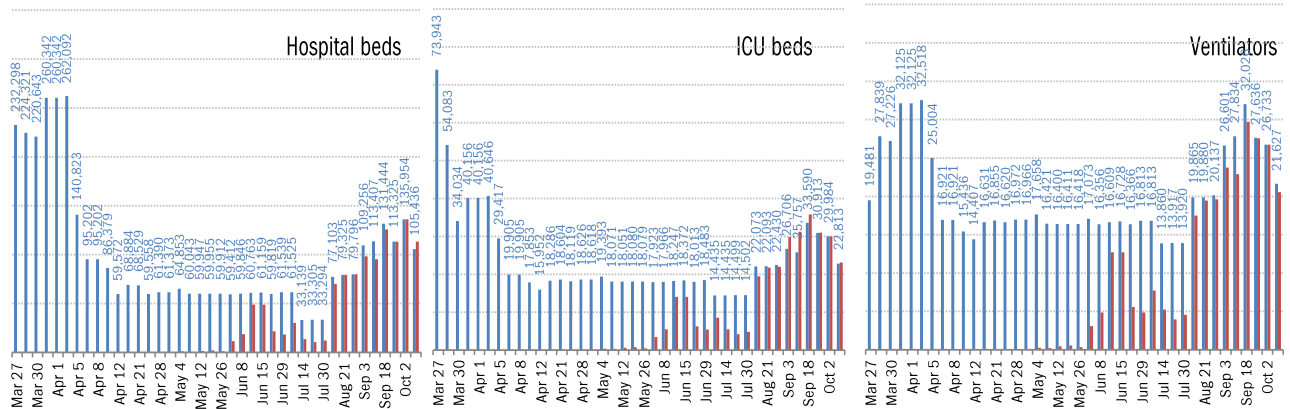
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

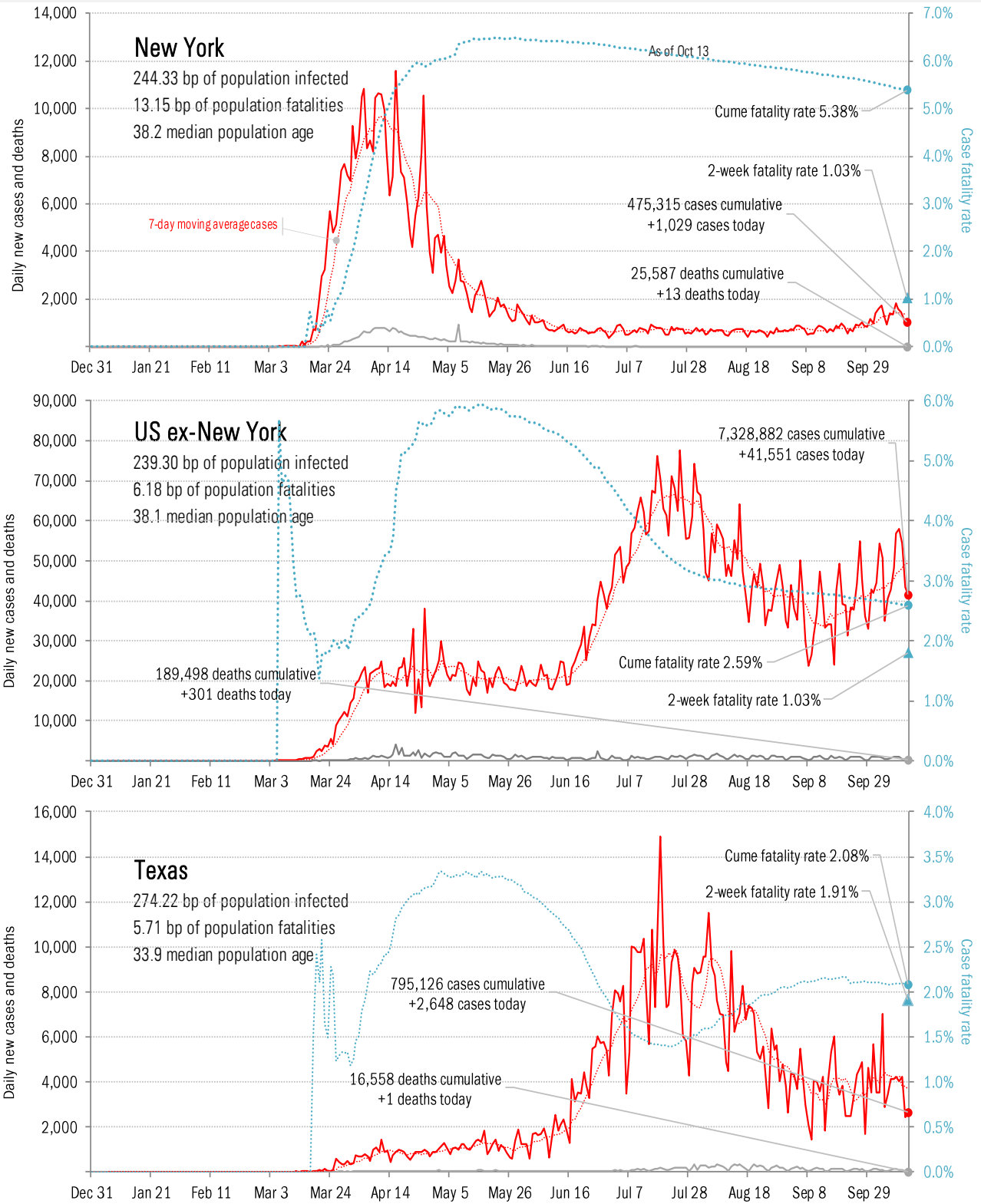


Healthcare system stress, **peak** and **ultimate** estimated at each model revision



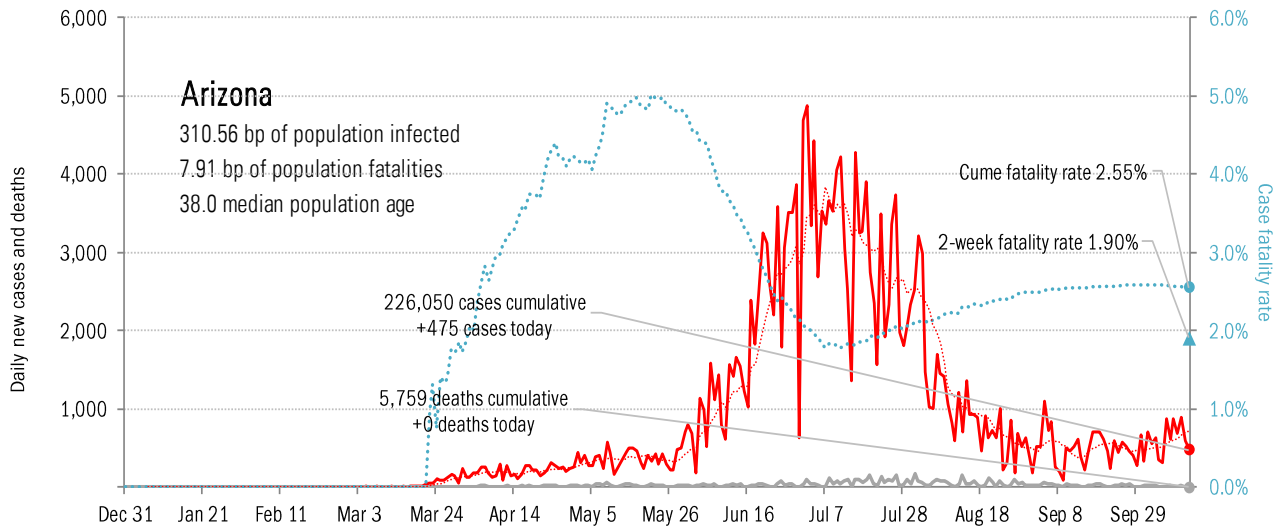
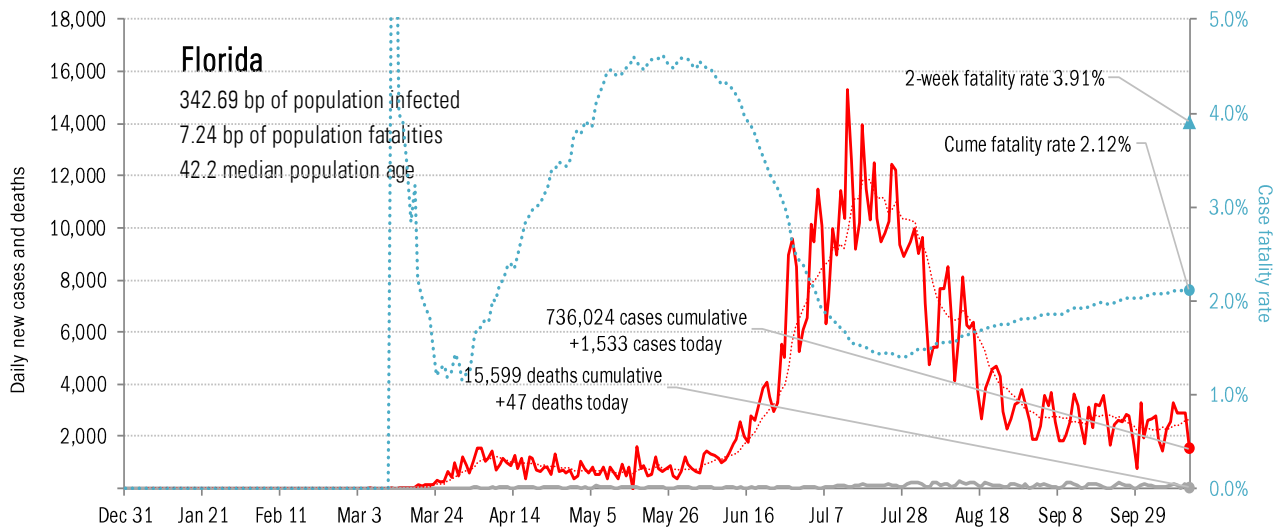
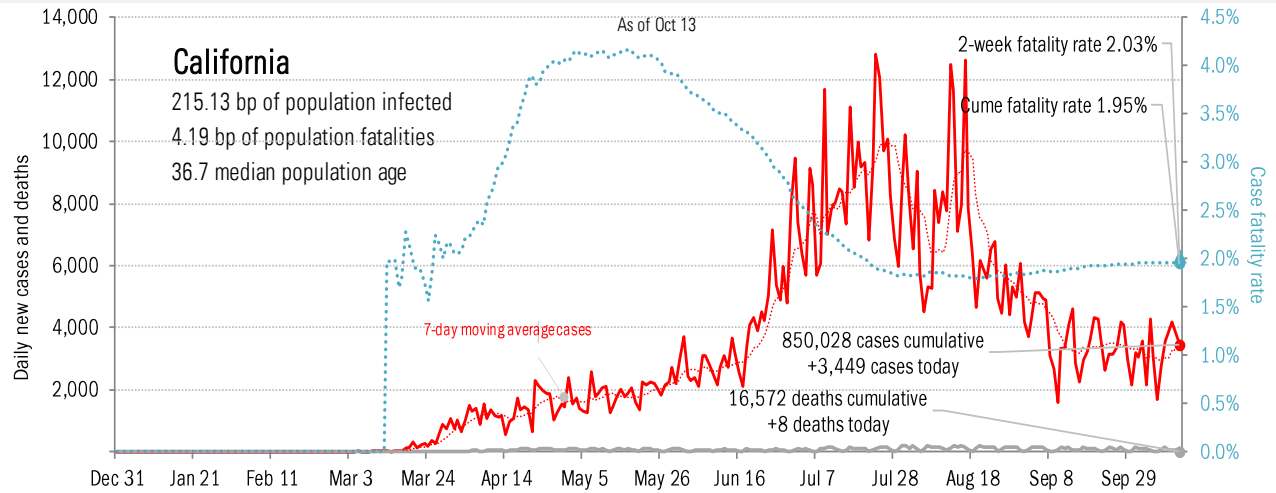
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



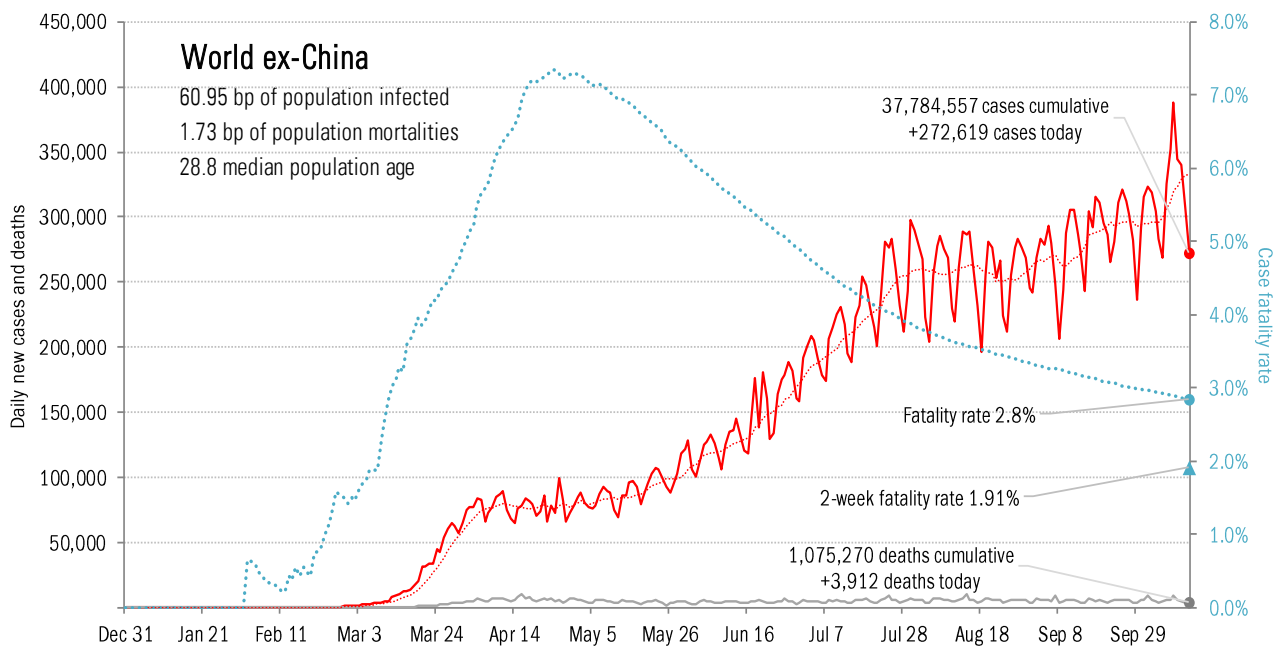
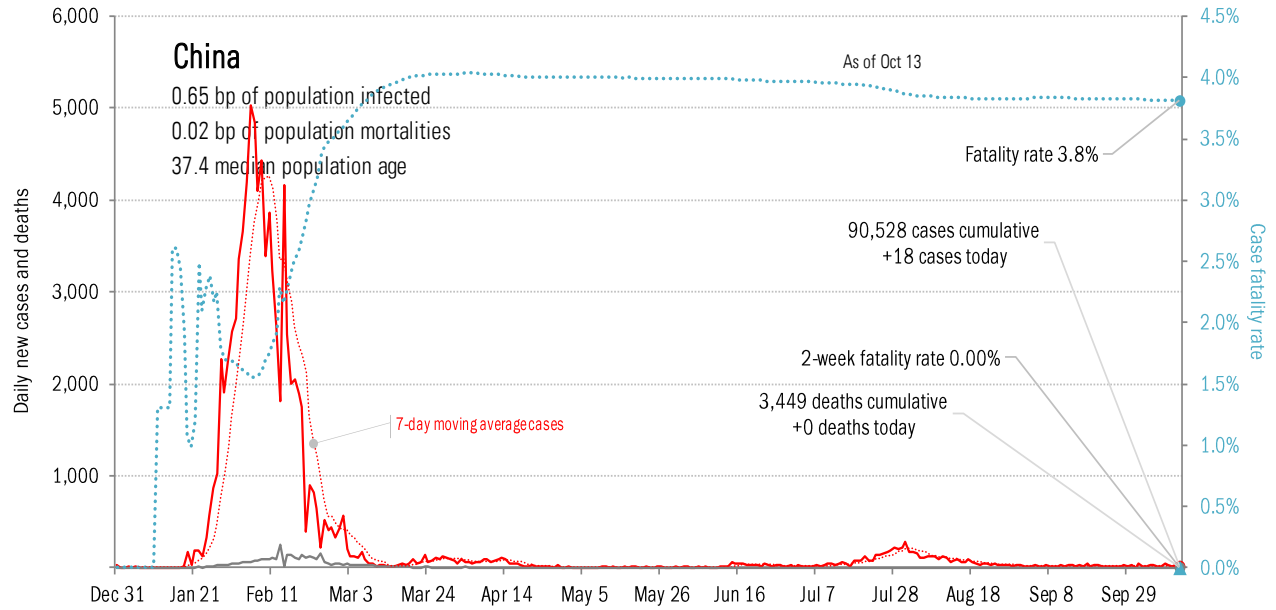
Source: [ECDC](#), TrendMacro calculations

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



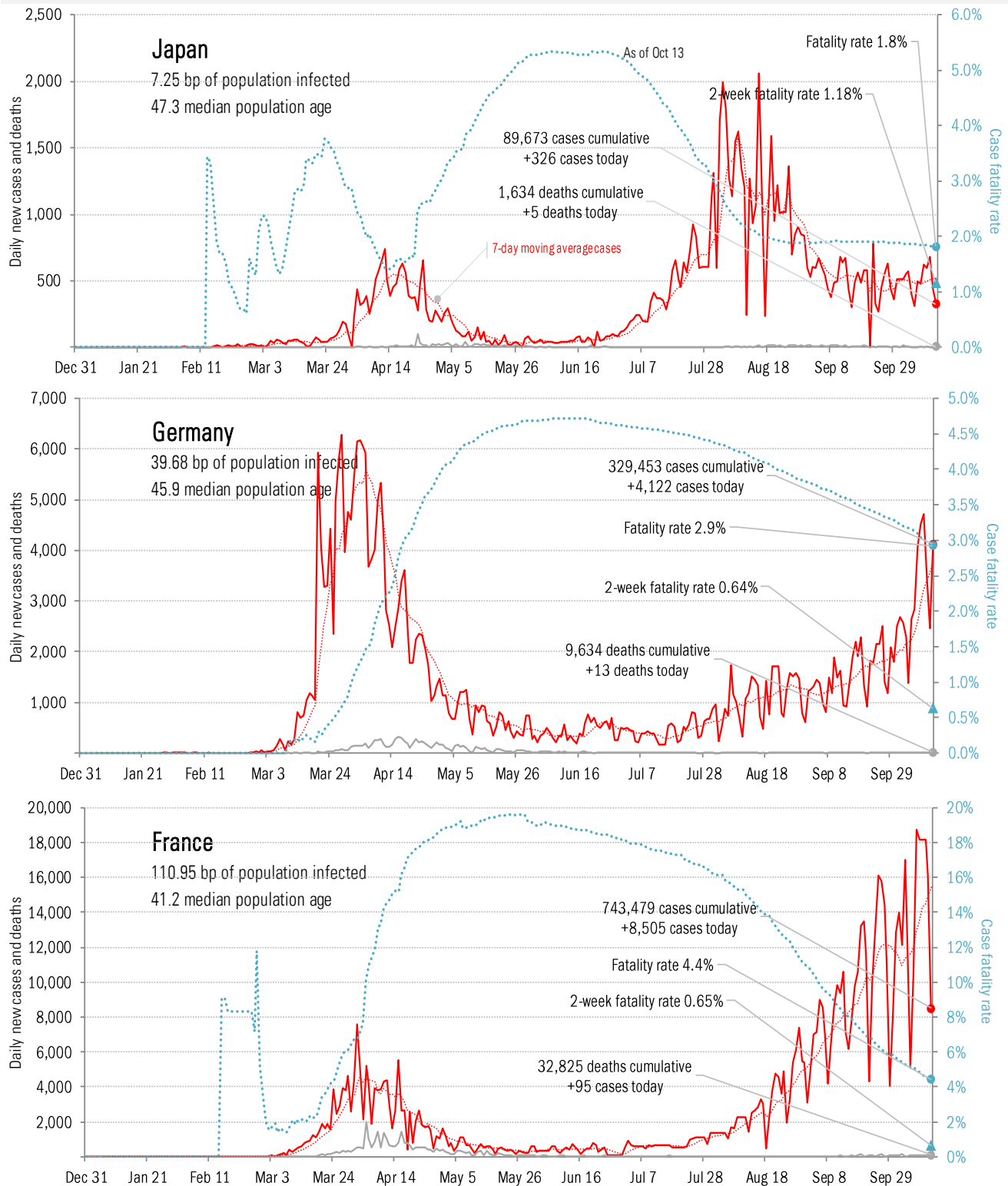
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



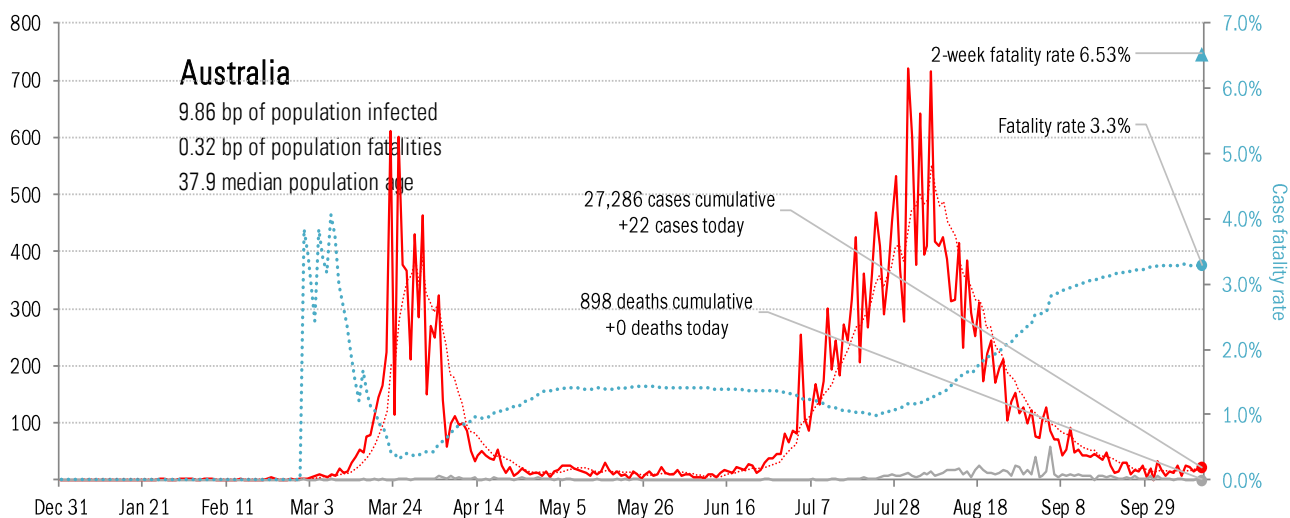
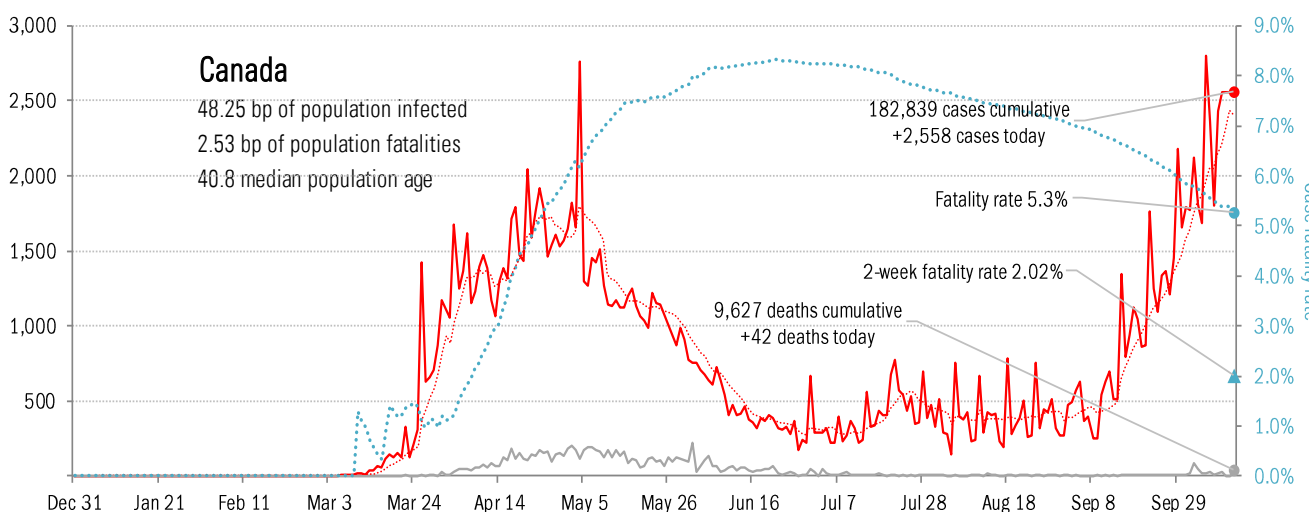
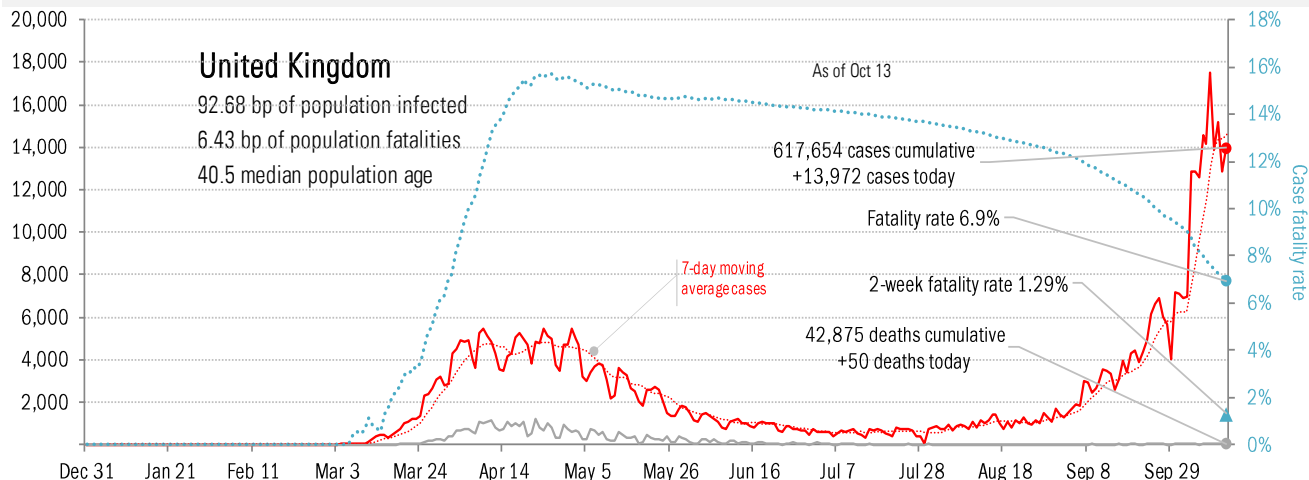
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



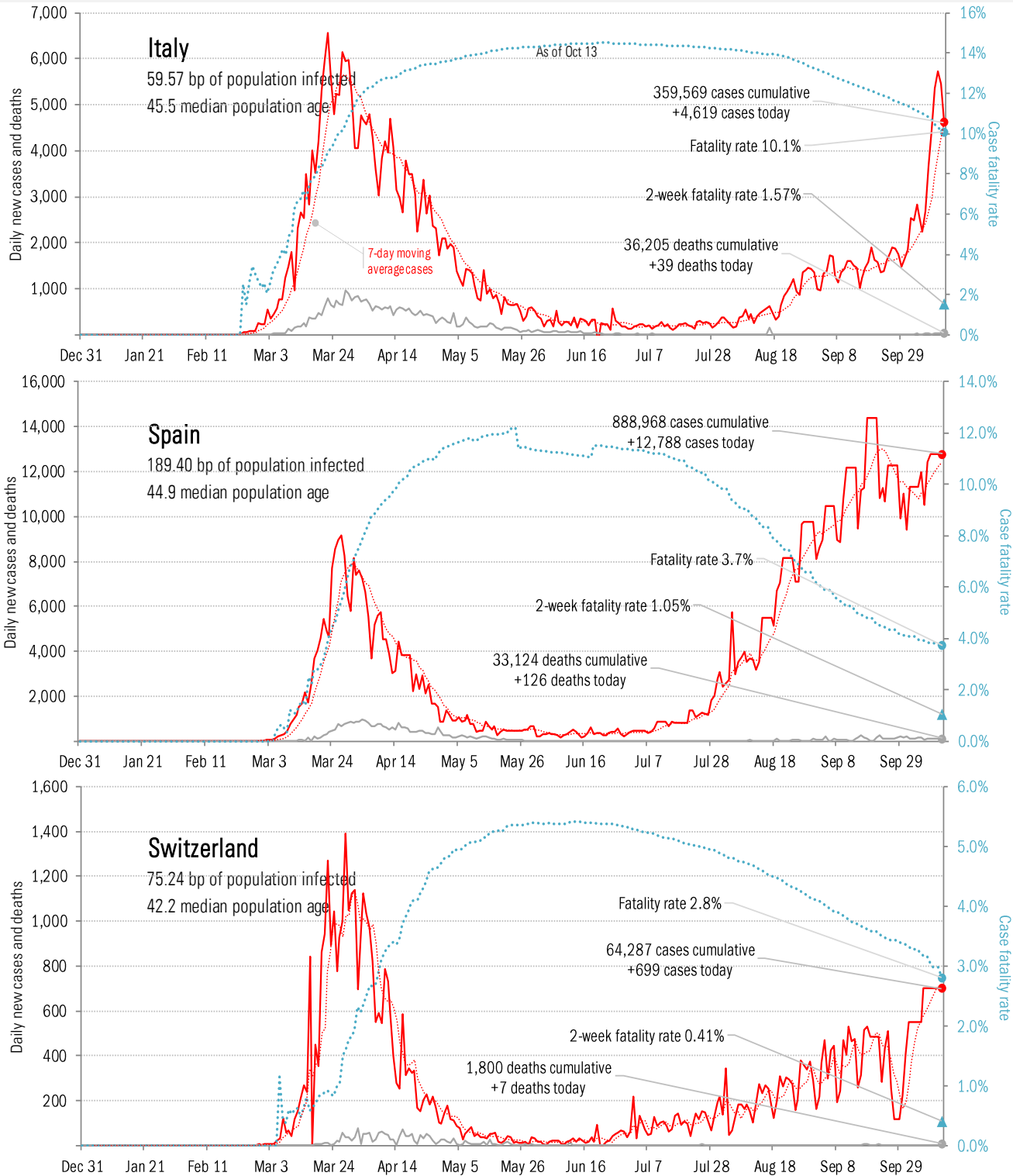
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



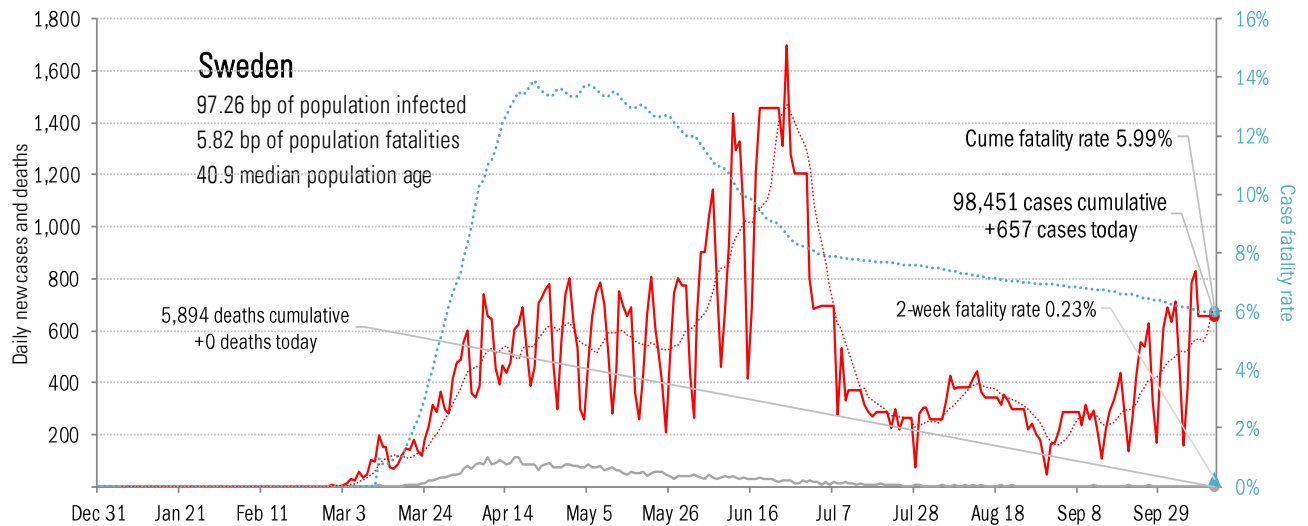
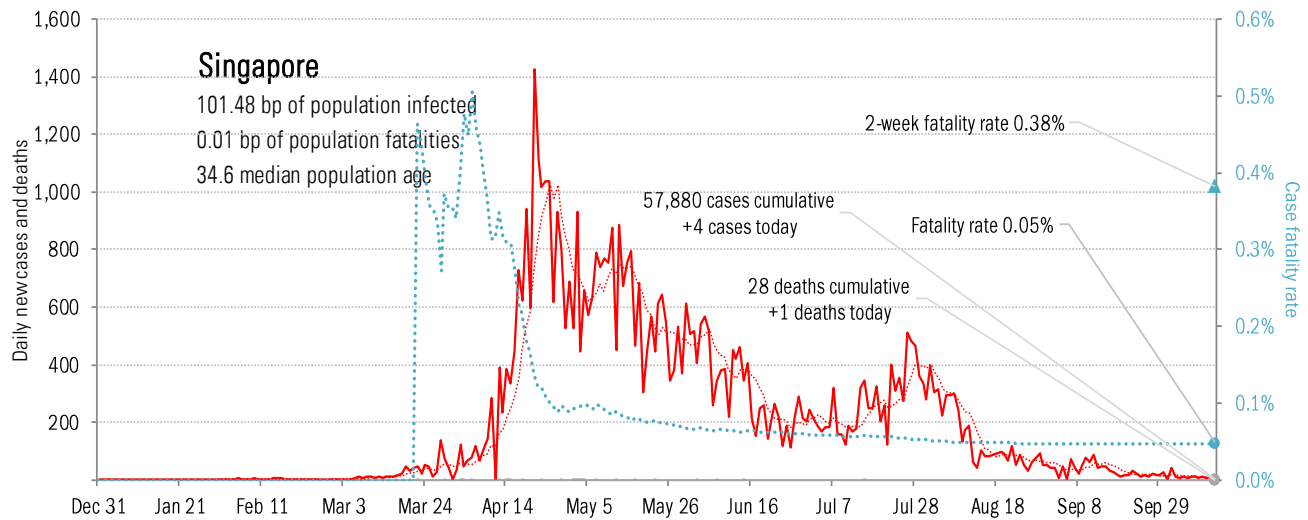
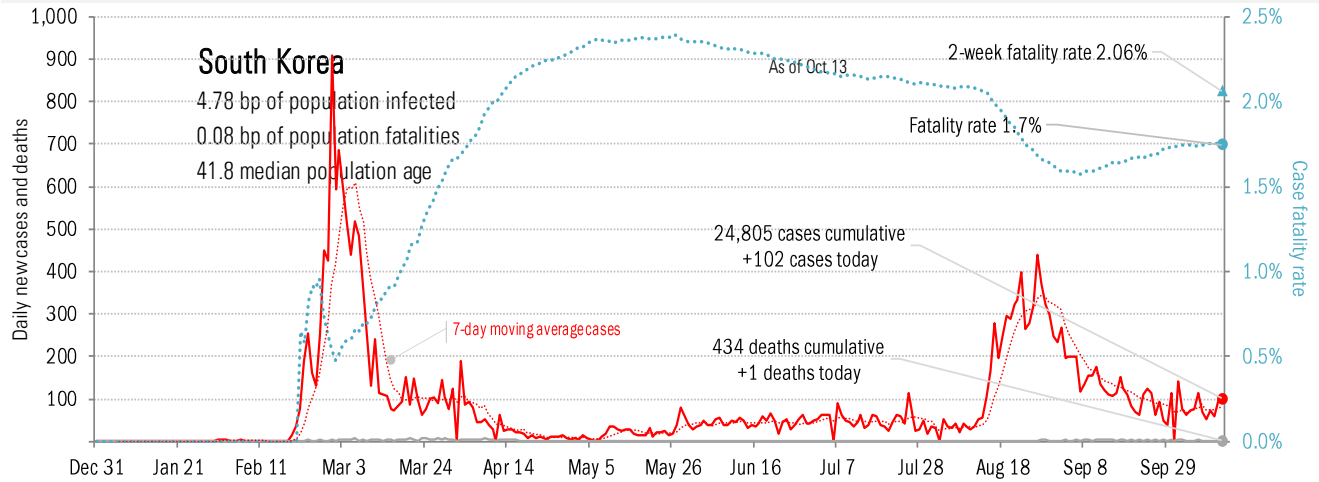
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



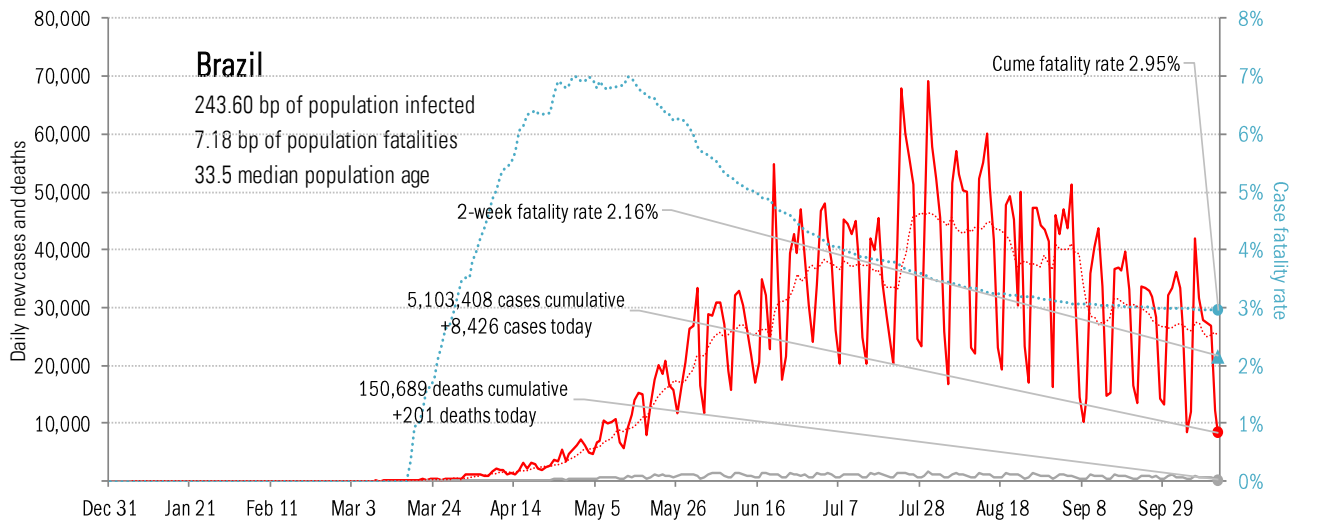
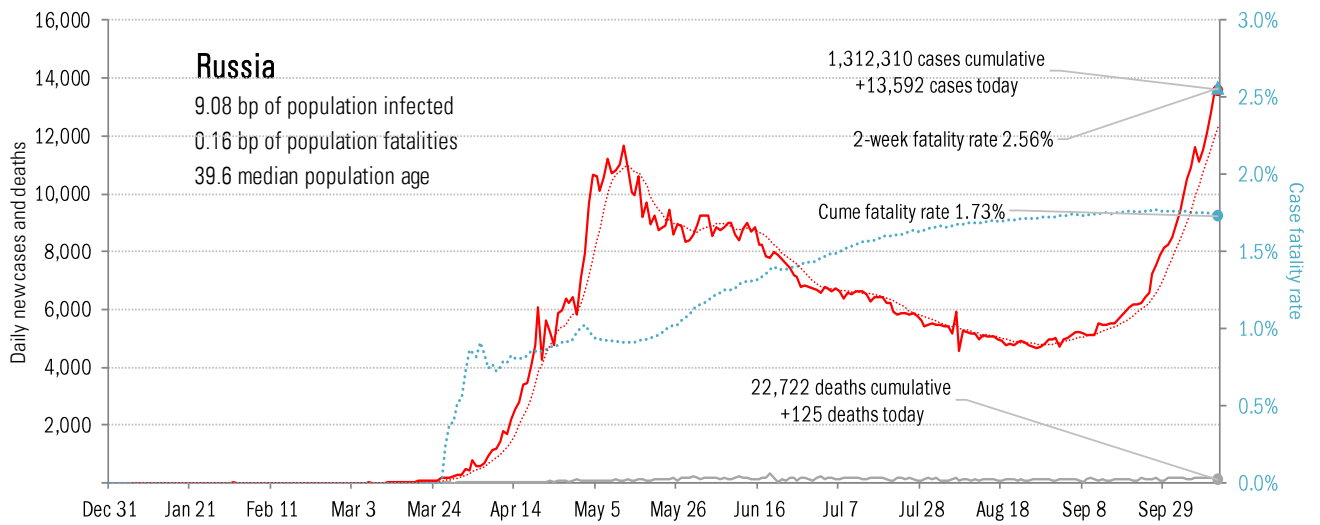
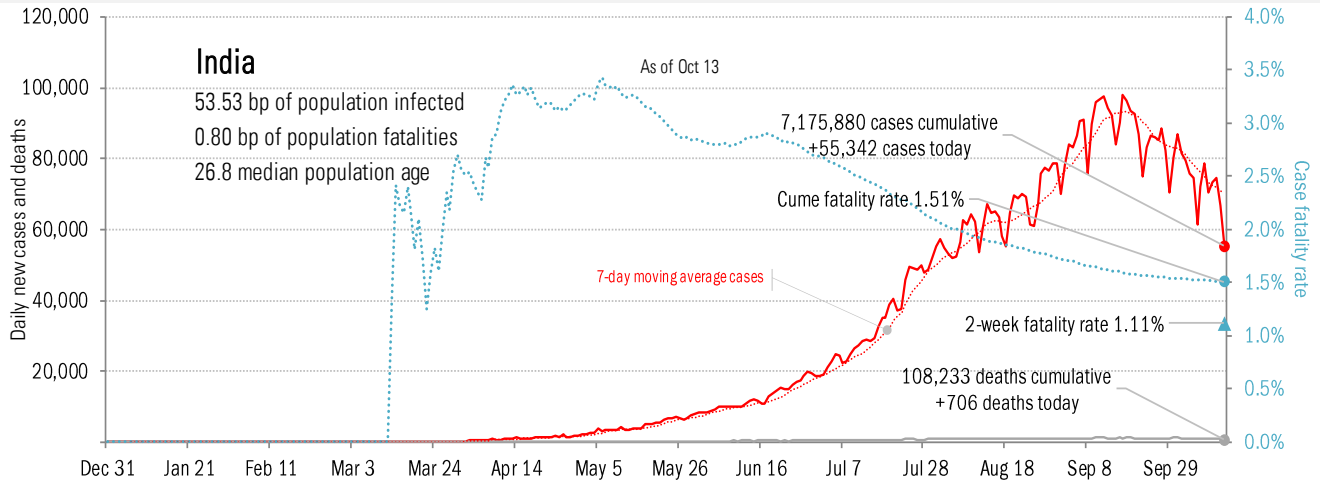
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



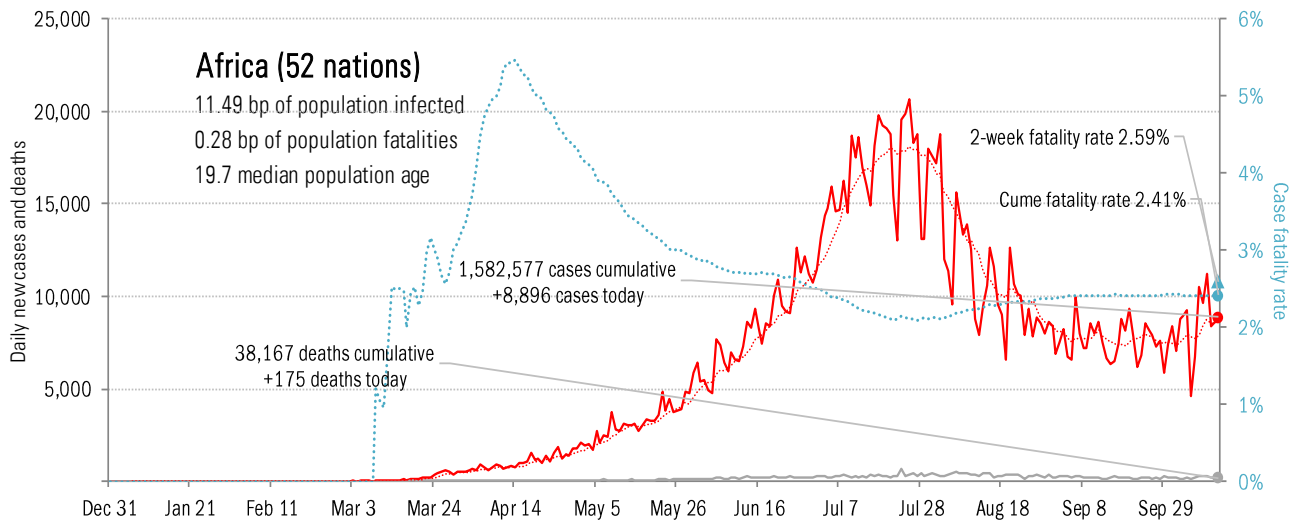
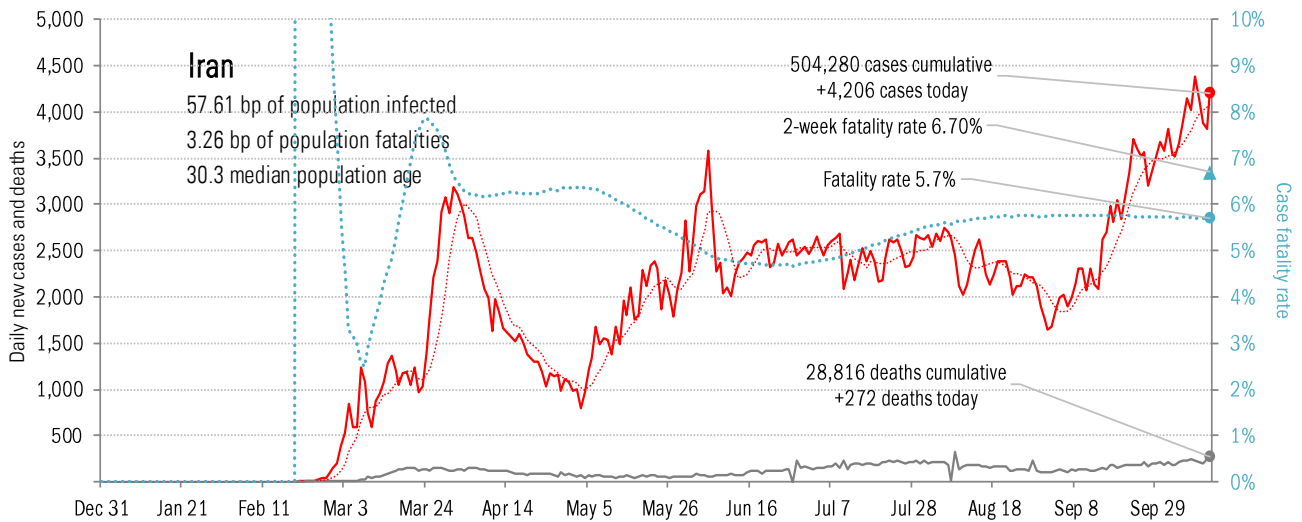
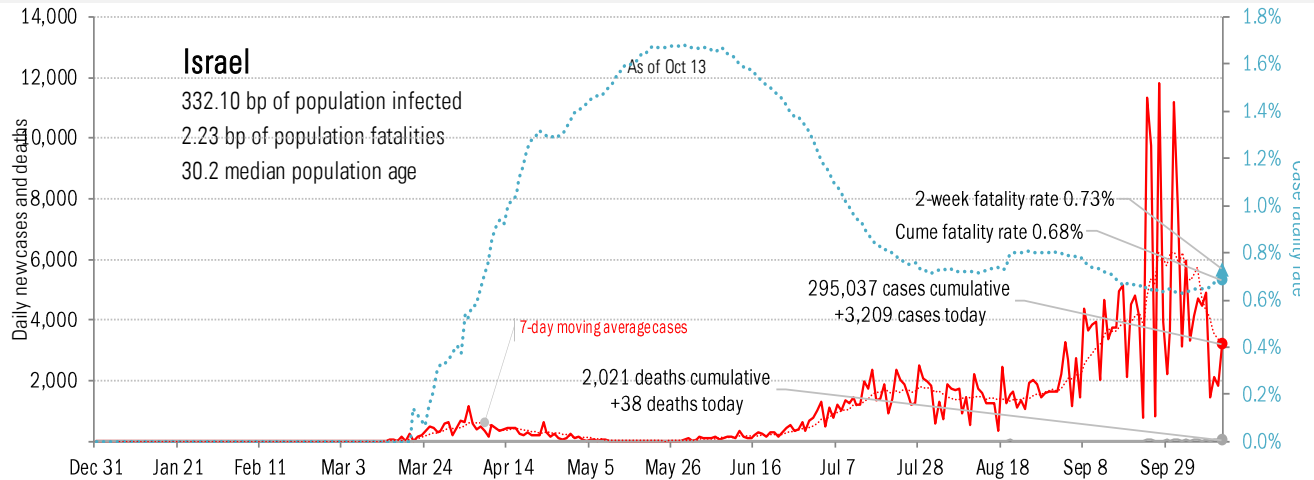
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations