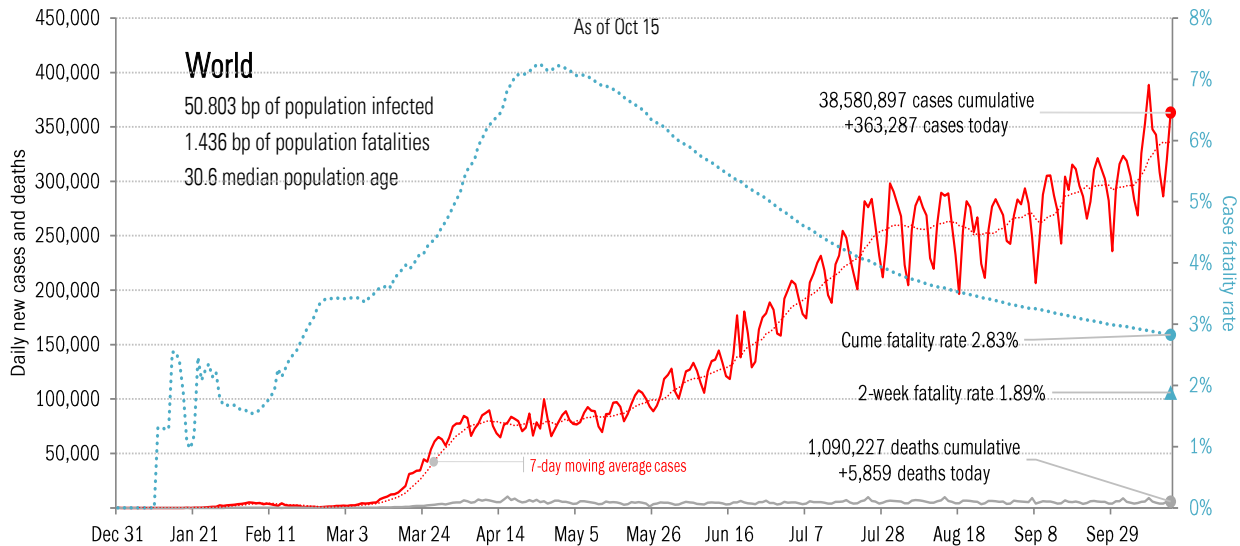
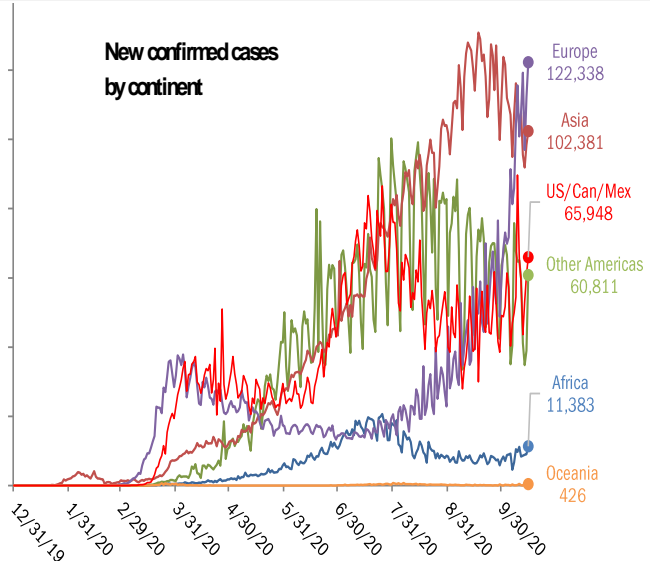


Data Insights: Covid-2019 Monitor

Thursday, October 15, 2020

The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+67,708	US	+970
US	+59,386	Brazil	+749
Brazil	+27,235	India	+680
France	+22,591	Mexico	+478
UK	+19,724	Argentina	+349
Argentina	+14,932	Iran	+279
Russia	+14,231	Russia	+239
Spain	+11,970	Colombia	+165
Czechia	+9,543	UK	+137
Italy	+7,332	Indonesia	+129
+254,652		+4,175	
World	+363,287	World	+5,859
Top ten	70%	Top ten	71%



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

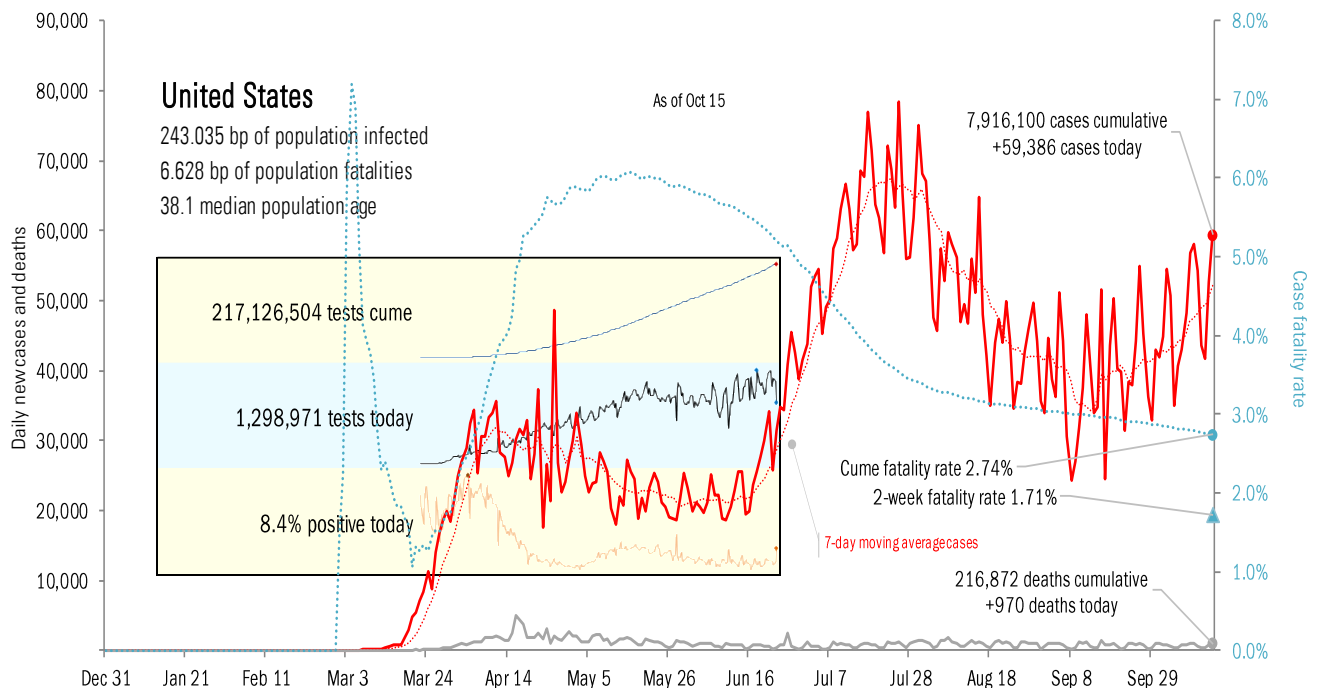
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
TX	+4,667	TX	+95	KS	+133	CA	855,072	NY	25,605	NY	89,995
MO	+4,449	KS	+67	IL	+126	TX	805,082	TX	16,717	FL	47,011
WI	+3,323	FL	+66	MO	+100	FL	741,632	CA	16,639	GA	29,918
FL	+2,883	CA	+58	TX	+78	NY	477,940	NJ	16,191	NJ	23,977
IL	+2,862	IL	+48	IN	+69	GA	334,601	FL	15,788	AZ	20,366
CA	+2,666	AL	+41	CA	+66	IL	330,643	MA	9,647	VA	19,754
CH	+2,039	NC	+40	WI	+58	NC	236,407	IL	9,320	AL	18,635
NC	+1,926	TN	+31	TN	+56	AZ	227,635	PA	8,411	CH	16,716
TN	+1,709	WI	+29	NJ	+50	TN	220,538	GA	7,470	MD	16,215
MI	+1,593	PA	+27	NC	+49	NJ	216,023	MI	7,268	IN	14,228
+28,117		+502		+785		4,445,573		133,056		296,815	
All states	+56,727	All states	+809	All states	+995	All states	7,876,324	All states	208,387	All states	428,878
Top ten	50%	Top ten	62%	Top ten	79%	Top ten	56%	Top ten	64%	Top ten	69%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
WA	-1,740	FL	-57	TN	-244	AL	+13
TX	-622	MN	-31	GA	-135	AR	+8
VA	-430	WA	-21	TX	-105	KS	+6
IN	-384	MI	-17	PA	-72	UT	+4
AL	-333	IN	-13	CH	-41	AK	+0



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

Recommended reading

[Jetpack Sighted Again Above Los Angeles, This Time at 6,000 Feet](#)

Concepción de León
New York Times
October 14, 2020

[Less severe course of COVID-19 is associated with elevated levels of antibodies against seasonal human coronaviruses OC43 and HKU1 \(HCoV OC43, HCoV HKU1\)](#)

Martin Dugas et al.
medRxiv
October 14, 2020

[Covid-19 Outbreaks Led to Dangerous Delay in Cancer Diagnoses](#)

Anna Wilde Mathews and Mike Cherney
Wall Street Journal
October 15, 2020

[The Crises of America's Sick Presidents, From George Washington to Donald Trump](#)

Ted Widmer
Wall Street Journal
October 9, 2020

[He Built a Trump Shrine and Prayed for His Health. Then He Collapsed.](#)

Shalini Venugopal Bhagat and Mike Ives
New York Times
October 14, 2020

[Infection fatality rate of COVID-19 inferred from seroprevalence data](#)

John P.A. Ioannidis
Bulletin of the World Health Organization
October 14, 2020

[Facebook censors The Post to help Joe Biden's 2020 campaign](#)

New York Post
October 14, 2020

[SARS-CoV-2 waves in Europe: A 2-stratum SEIRS model solution](#)

Levan Djaparidze and Federico Andres Lois
medRxiv
October 13, 2020

[Used coronavirus tests handed out by mistake in Birmingham](#)

BBC
October 14, 2020

[Stimulis: Because all economies have performance issues](#)

Reason
February 4, 2009

[How Rhode Island Reopened Schools](#)

Amelia Nierenberg
New York Times
October 9, 2020

[Academic behind startling 'circuit breaker' study which found half-term lockdown could save up to 100,000 lives by New Year admit their death figures are wildly over-estimated and say they wish they'd never used them](#)

Connor Boyd and Sam Blanchard
Daily Mail
October 14, 2020

[The Impact Of Coronavirus On Households With Children](#)

NPR et al.
September 2020

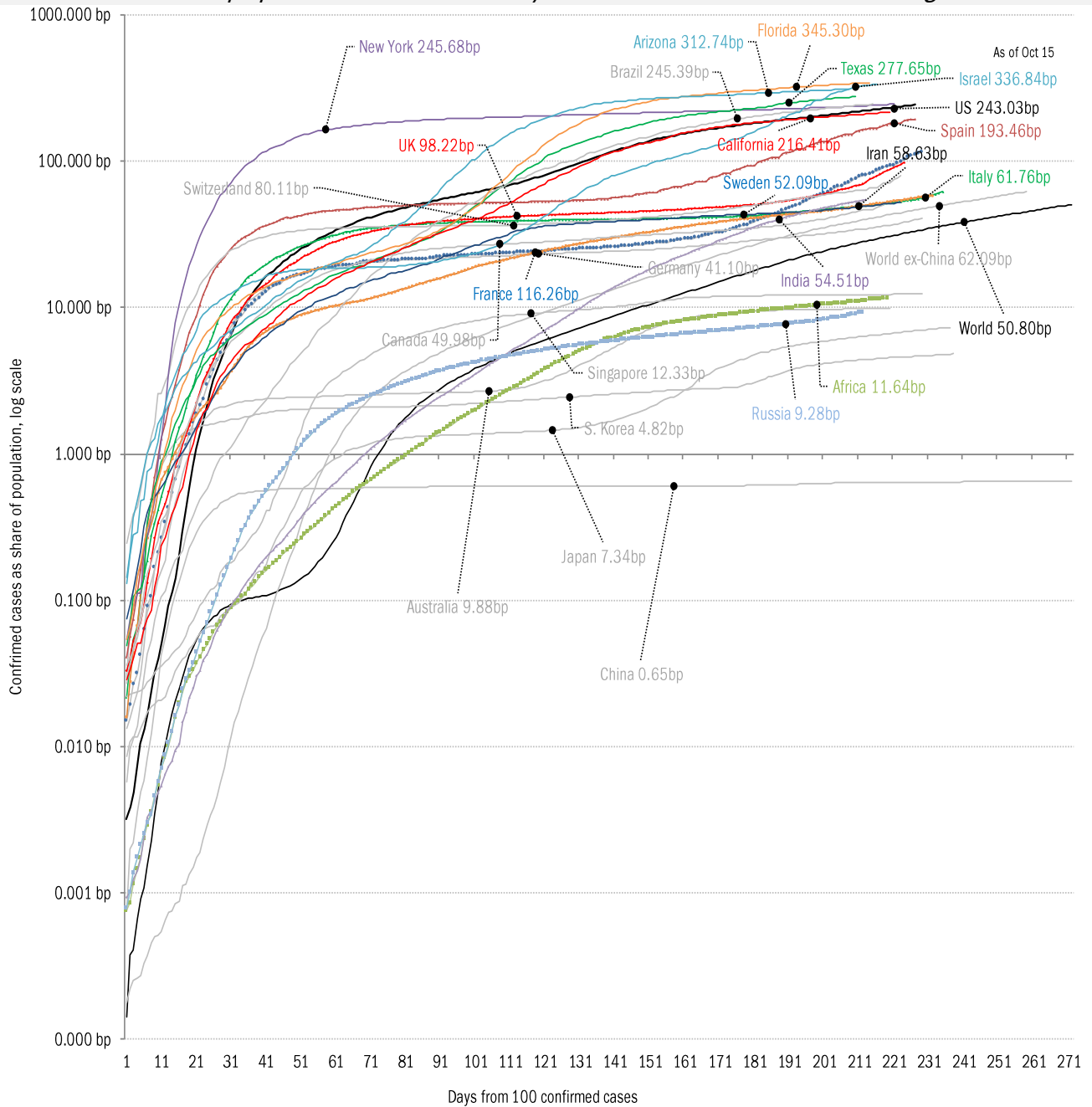
Meme of day

Guys I found the guy to blame for 2020



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

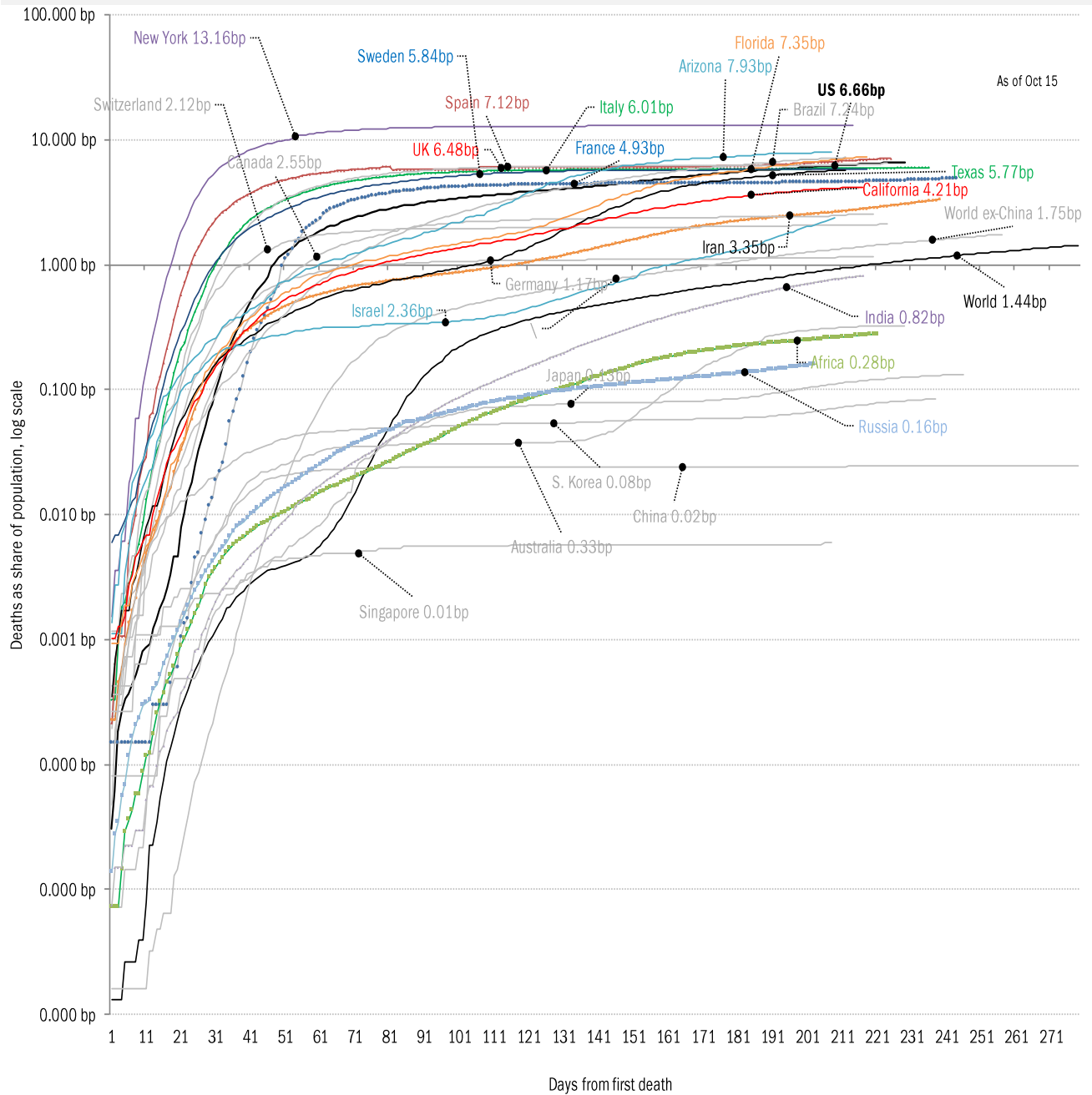
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [ECDC](#), TrendMacro calculations

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

Share of deceased population from day of first fatality

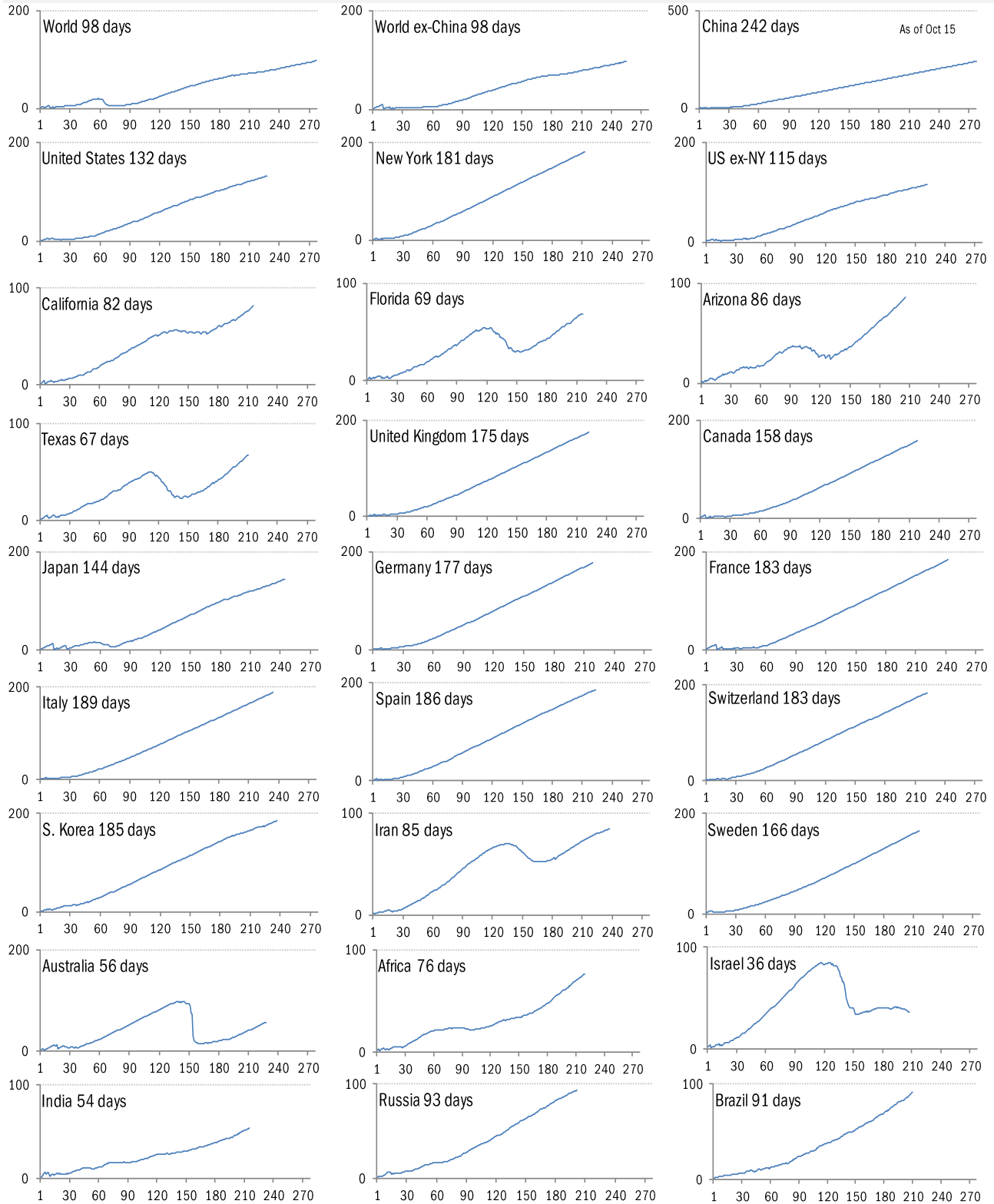


Source: [ECDC](#), TrendMacro calculations

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

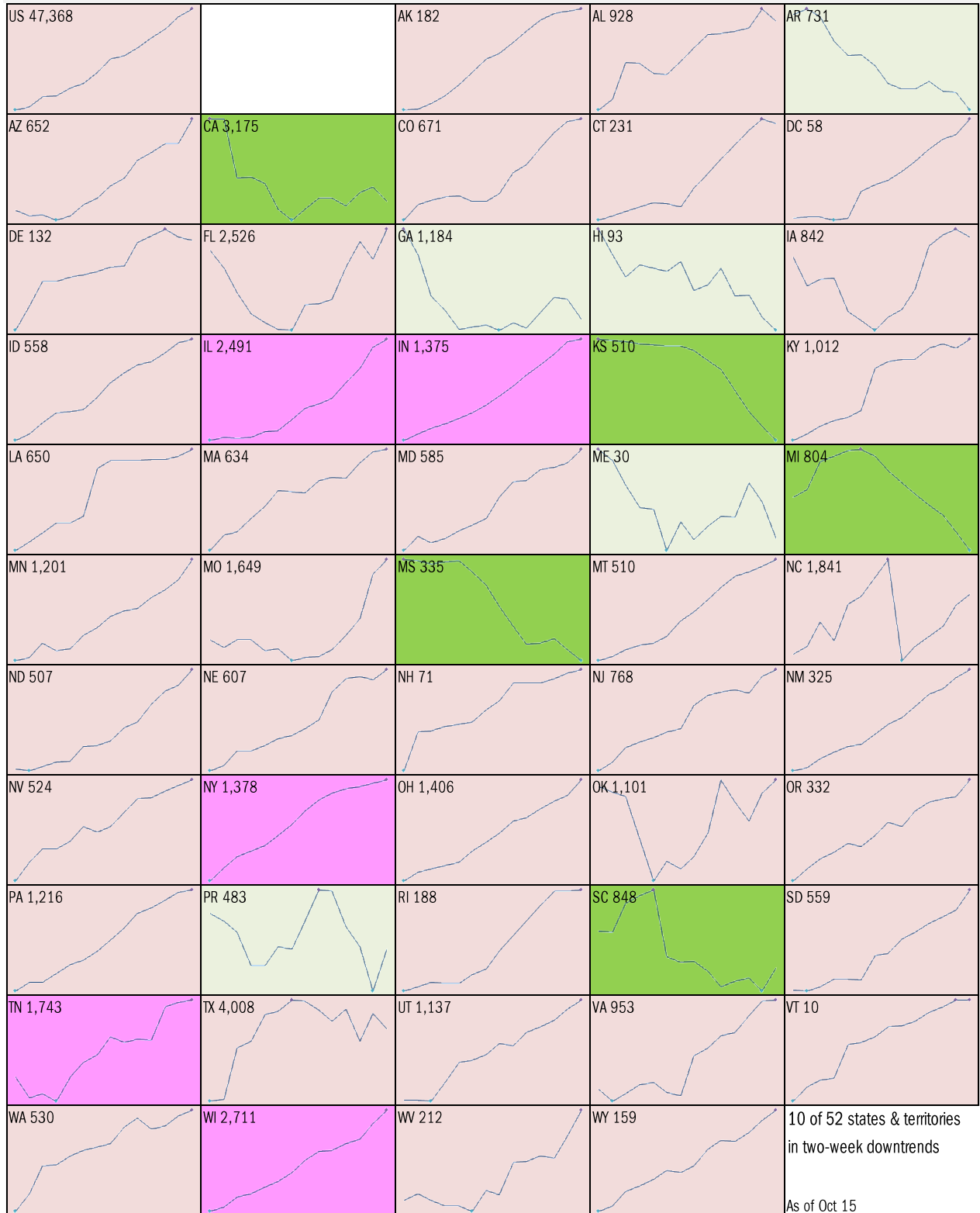
Vertical: days to double deaths Horizontal: days from first death

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

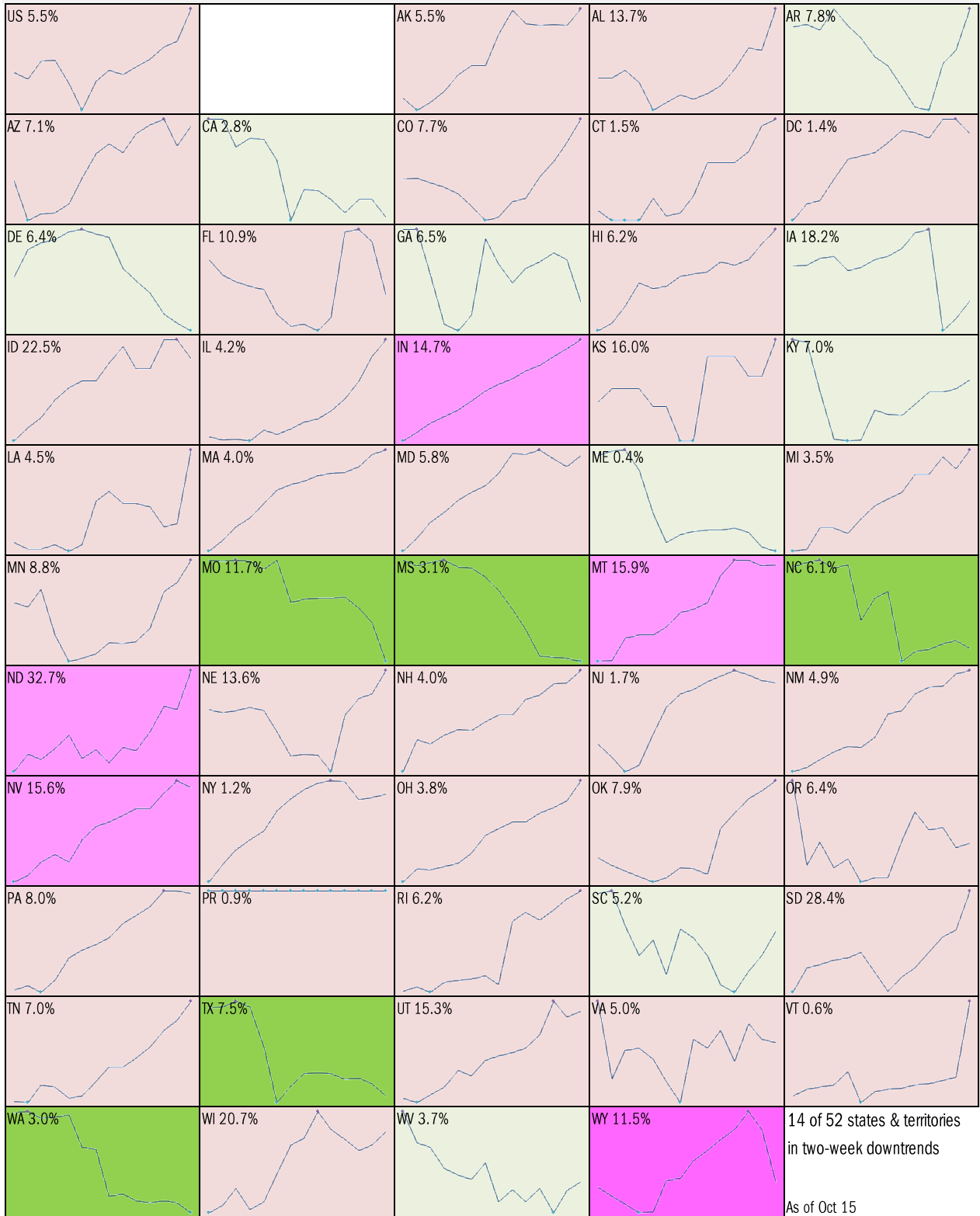


Source: [Covid Tracking Project](#), TrendMacro calculations

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



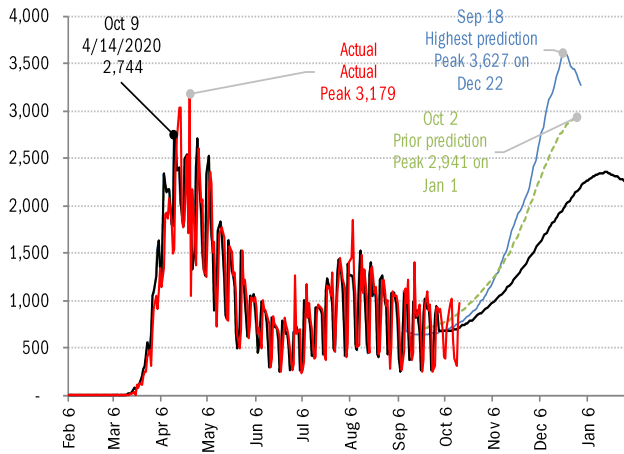
Source: [Covid Tracking Project](#), TrendMacro calculations

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

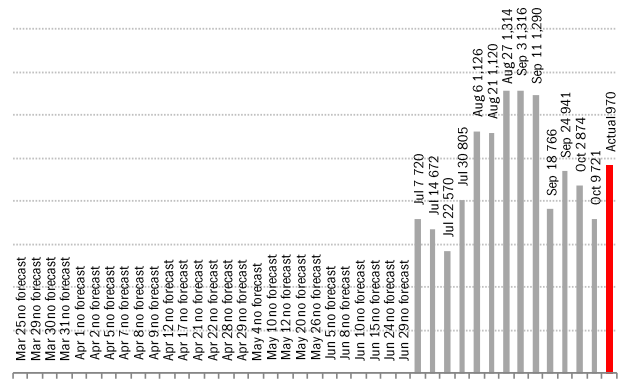
New daily fatalities

As of Oct 15

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

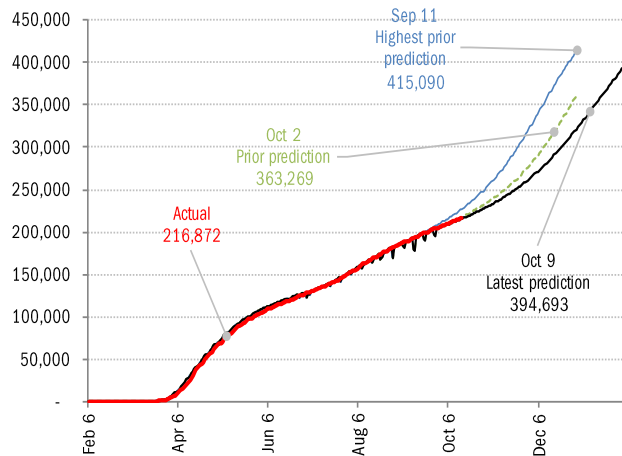


For this day, versus all model mean predictions

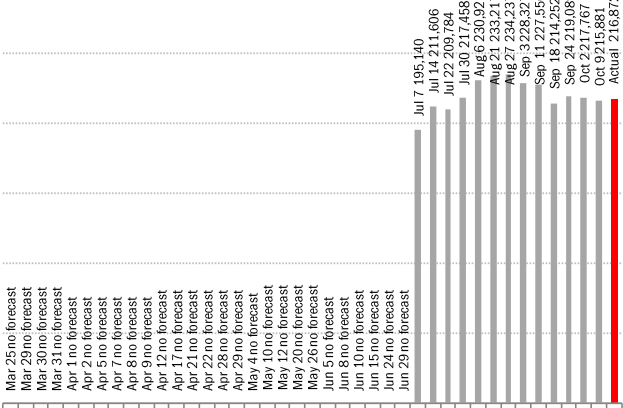


Cumulative fatalities

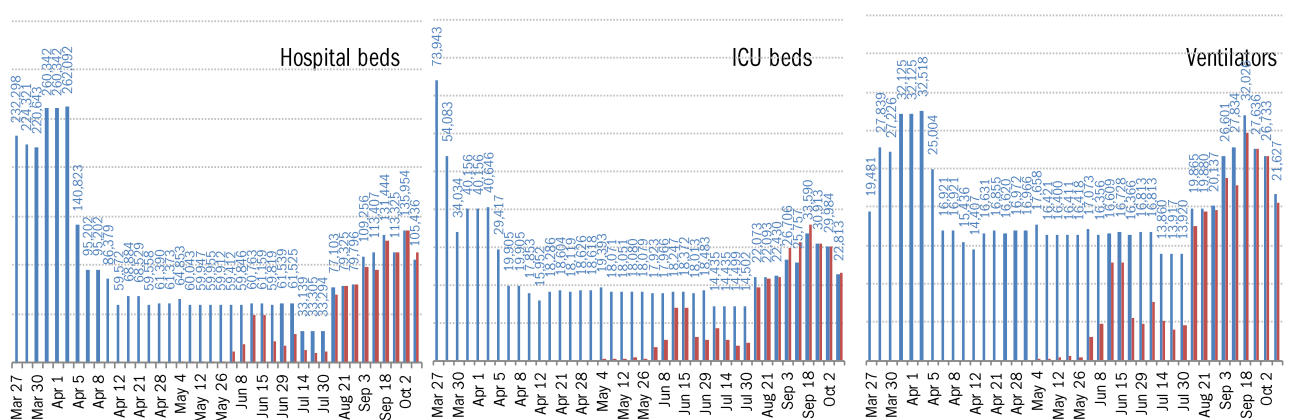
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

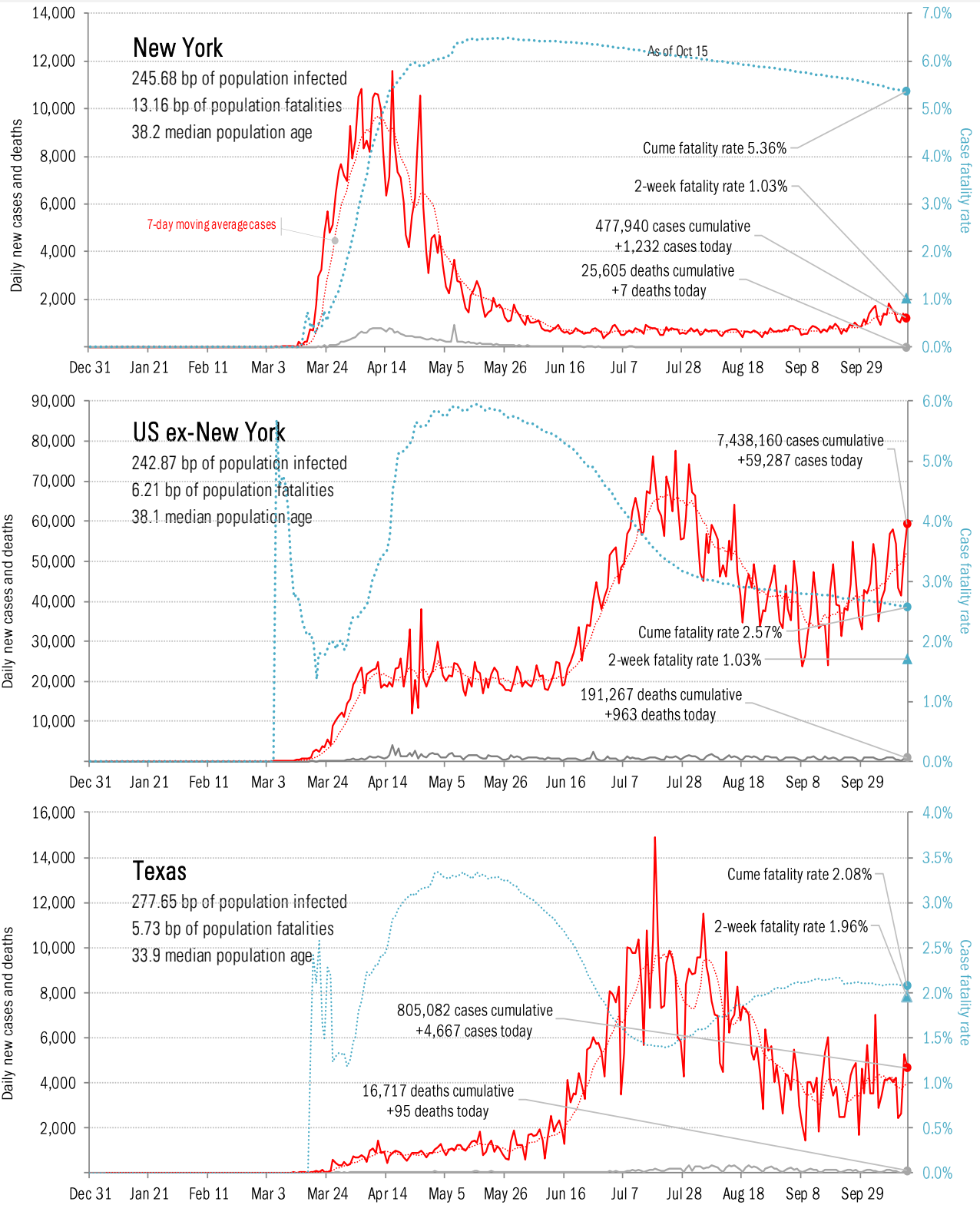


Healthcare system stress, peak and ultimate estimated at each model revision



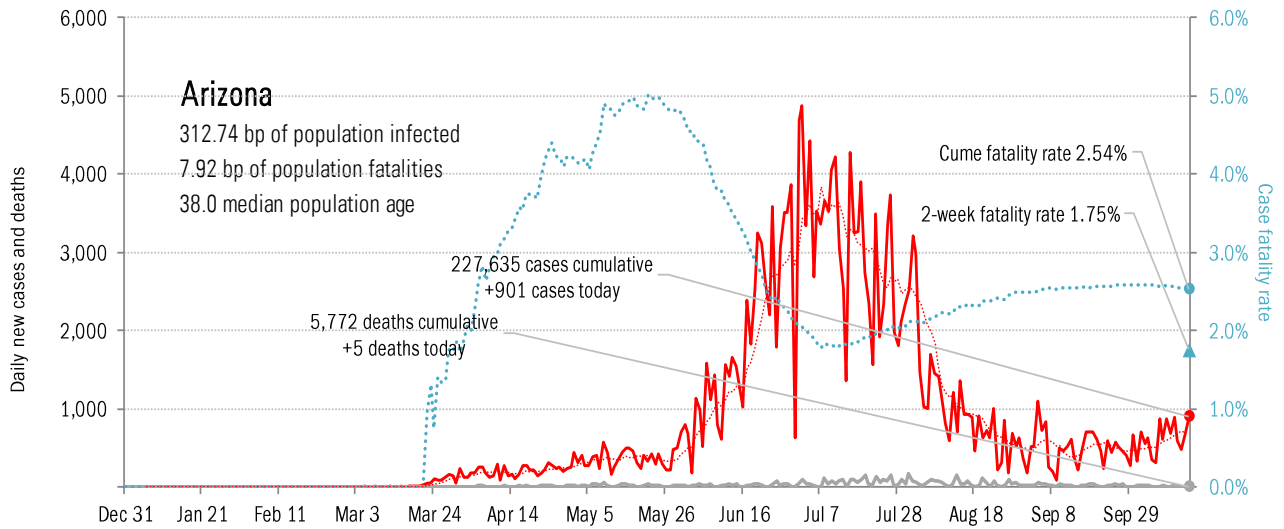
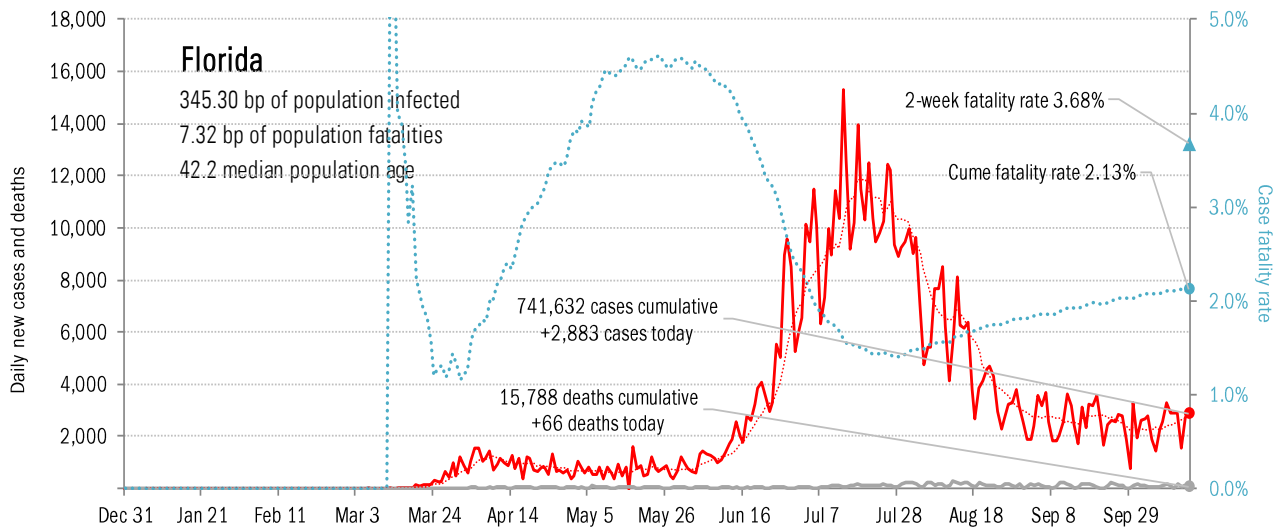
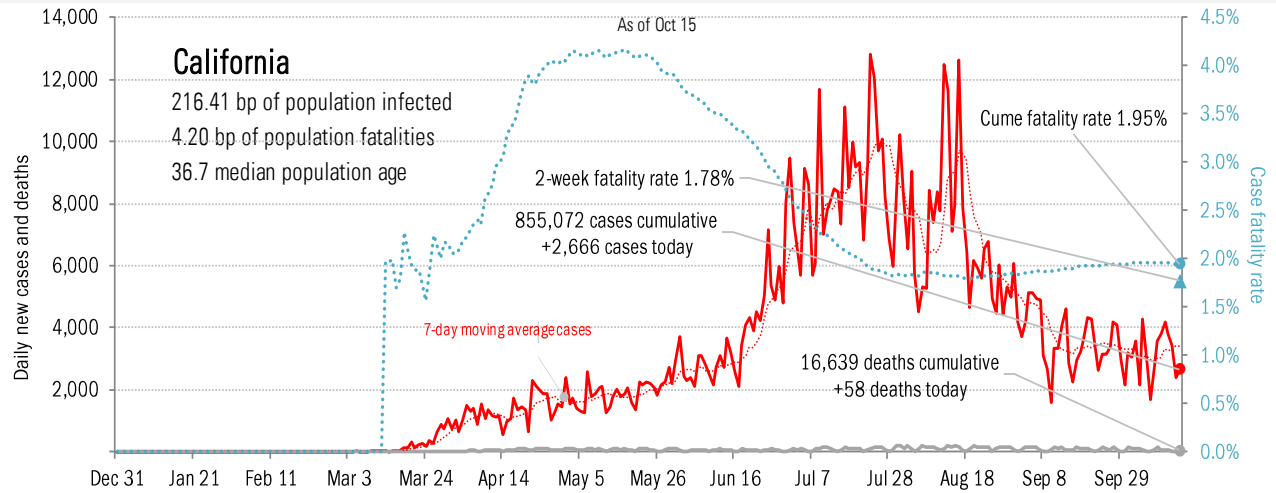
Source: [ECDC](#), [IHME](#), TrendMacro calculations

From Ground Zero to the Rio Grande



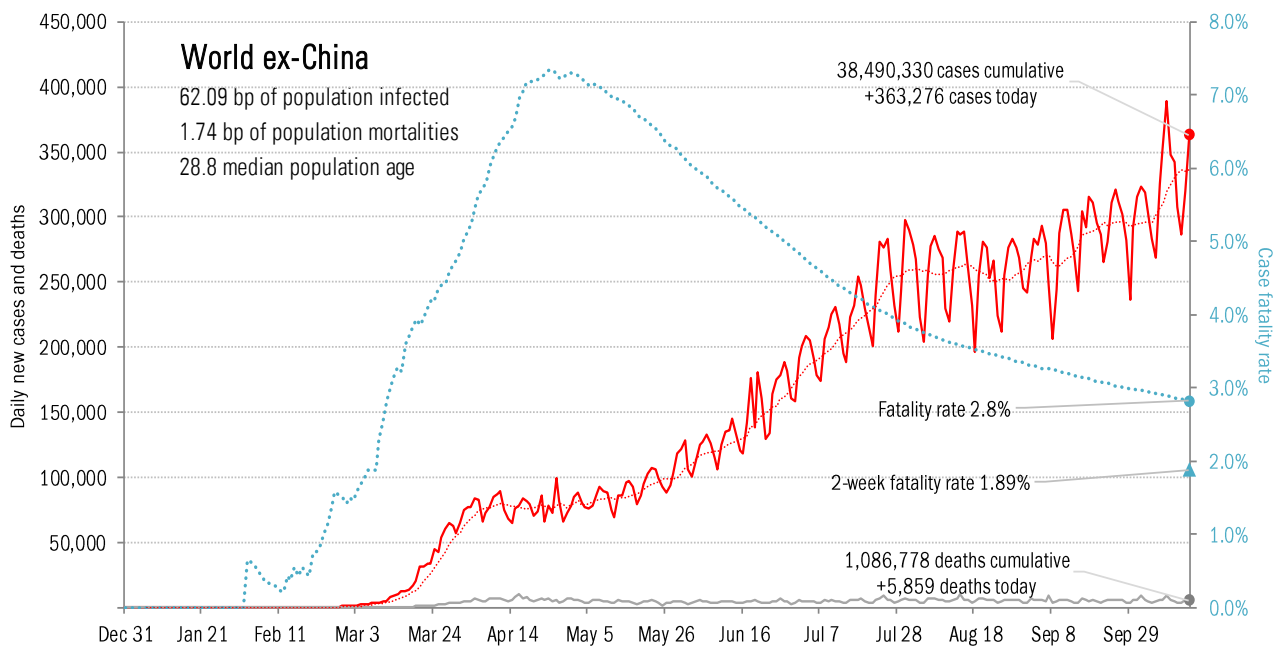
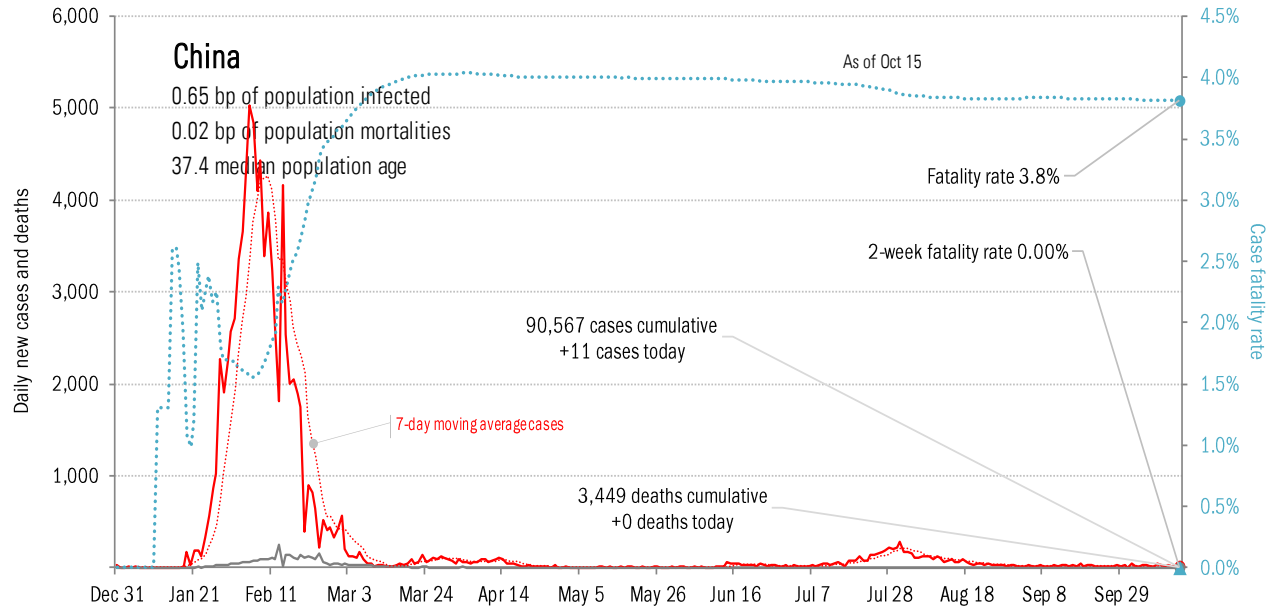
Source: [ECDC](#), TrendMacro calculations

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



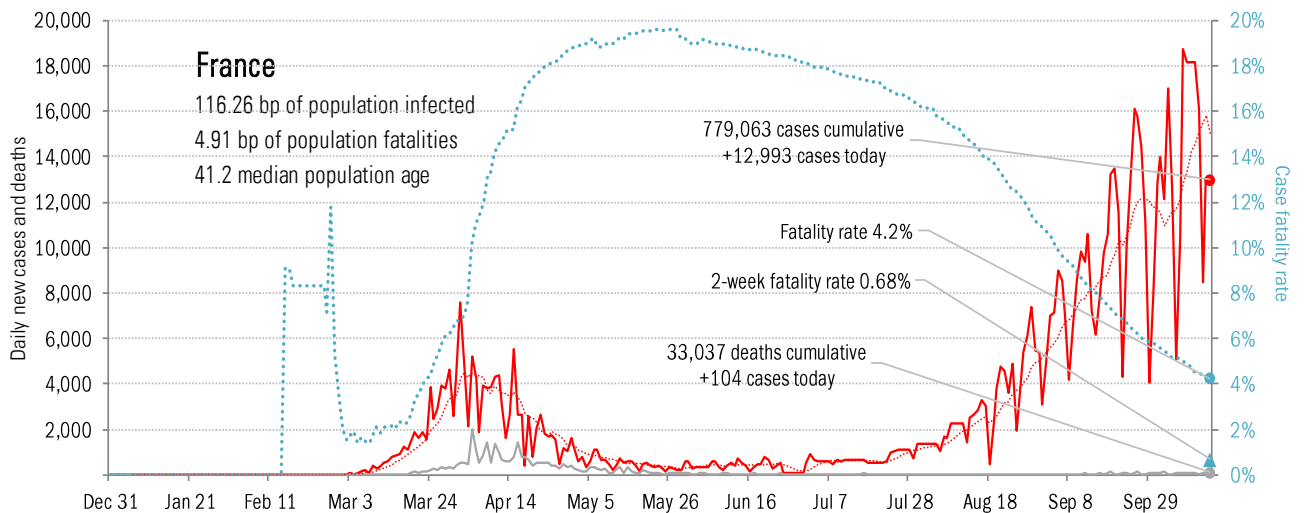
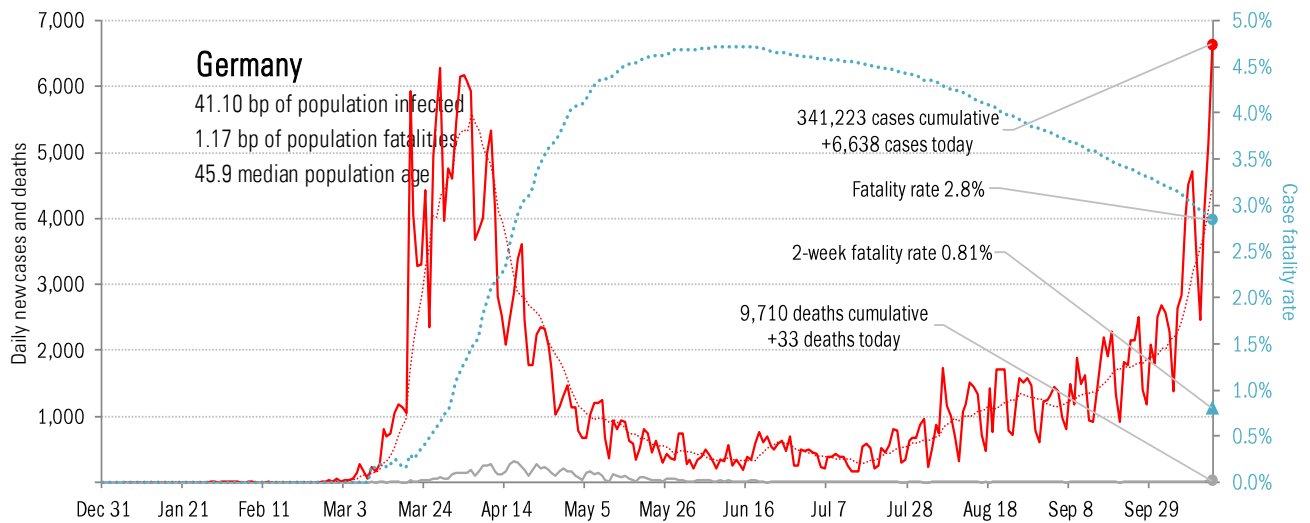
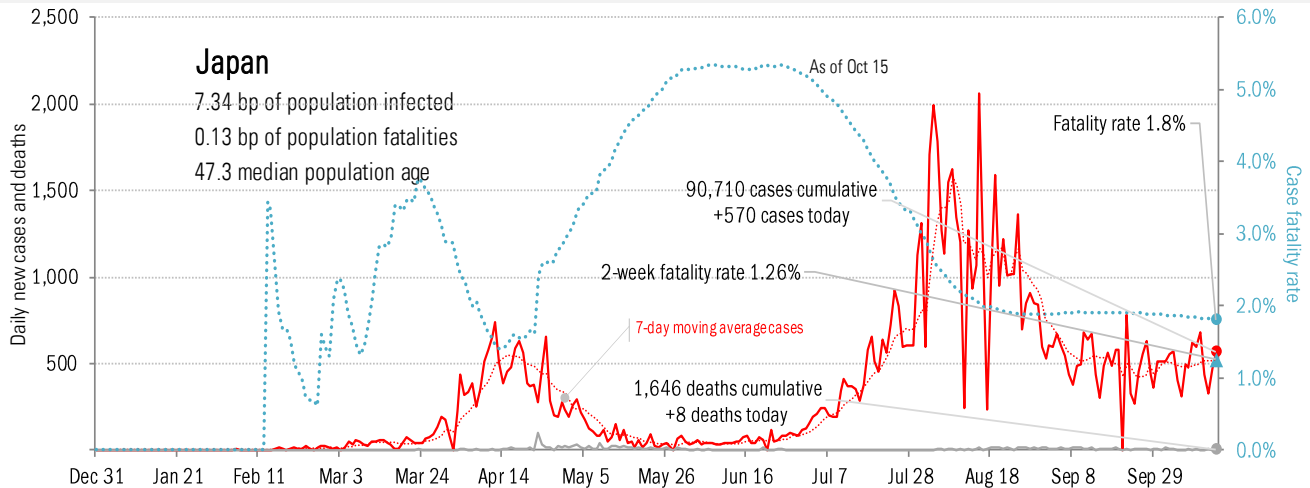
Source: [ECDC](#), TrendMacro calculations

Patient zero... and then everyone else



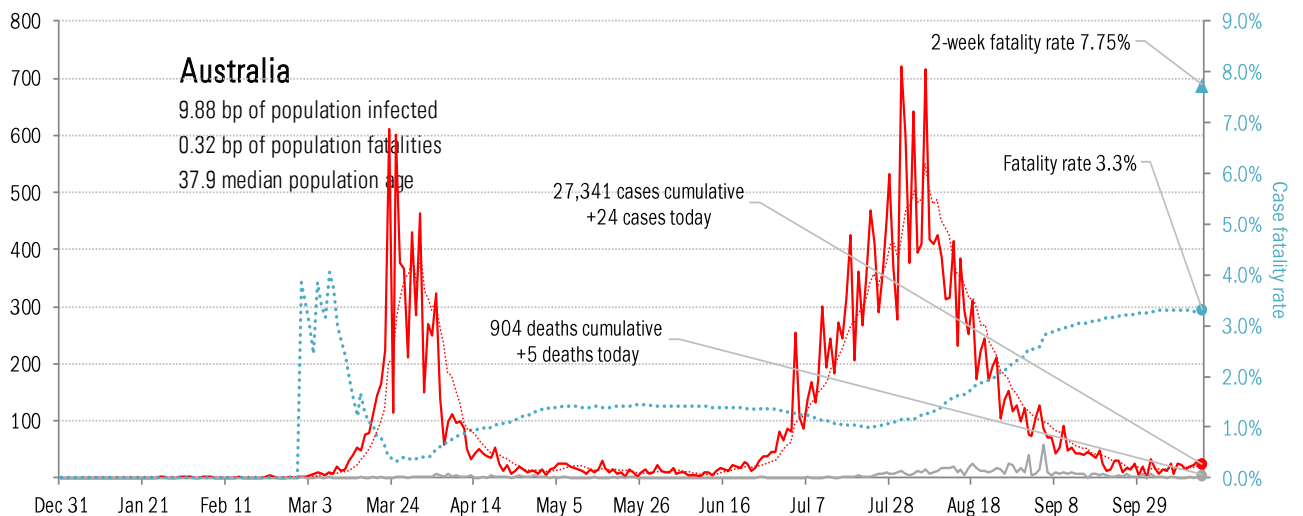
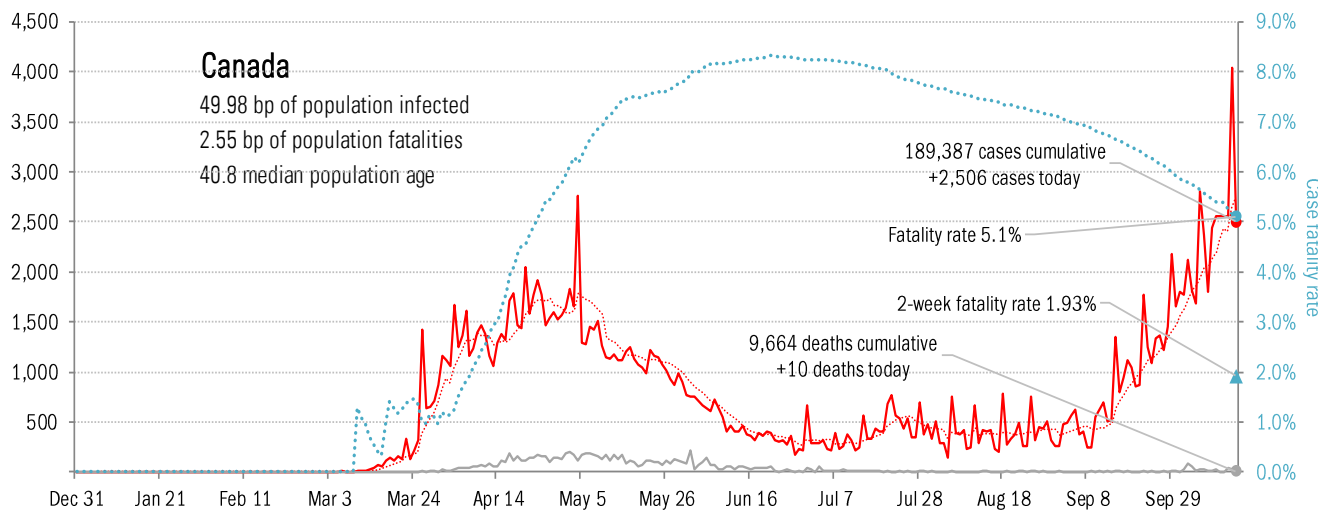
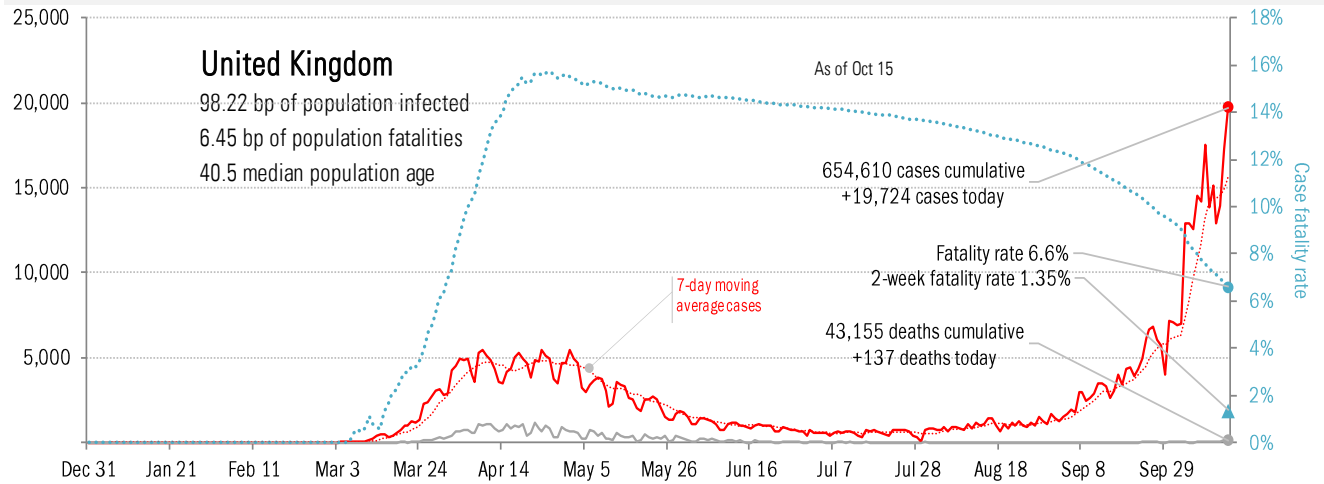
Source: [ECDC](#), TrendMacro calculations

Impact in the largest economies



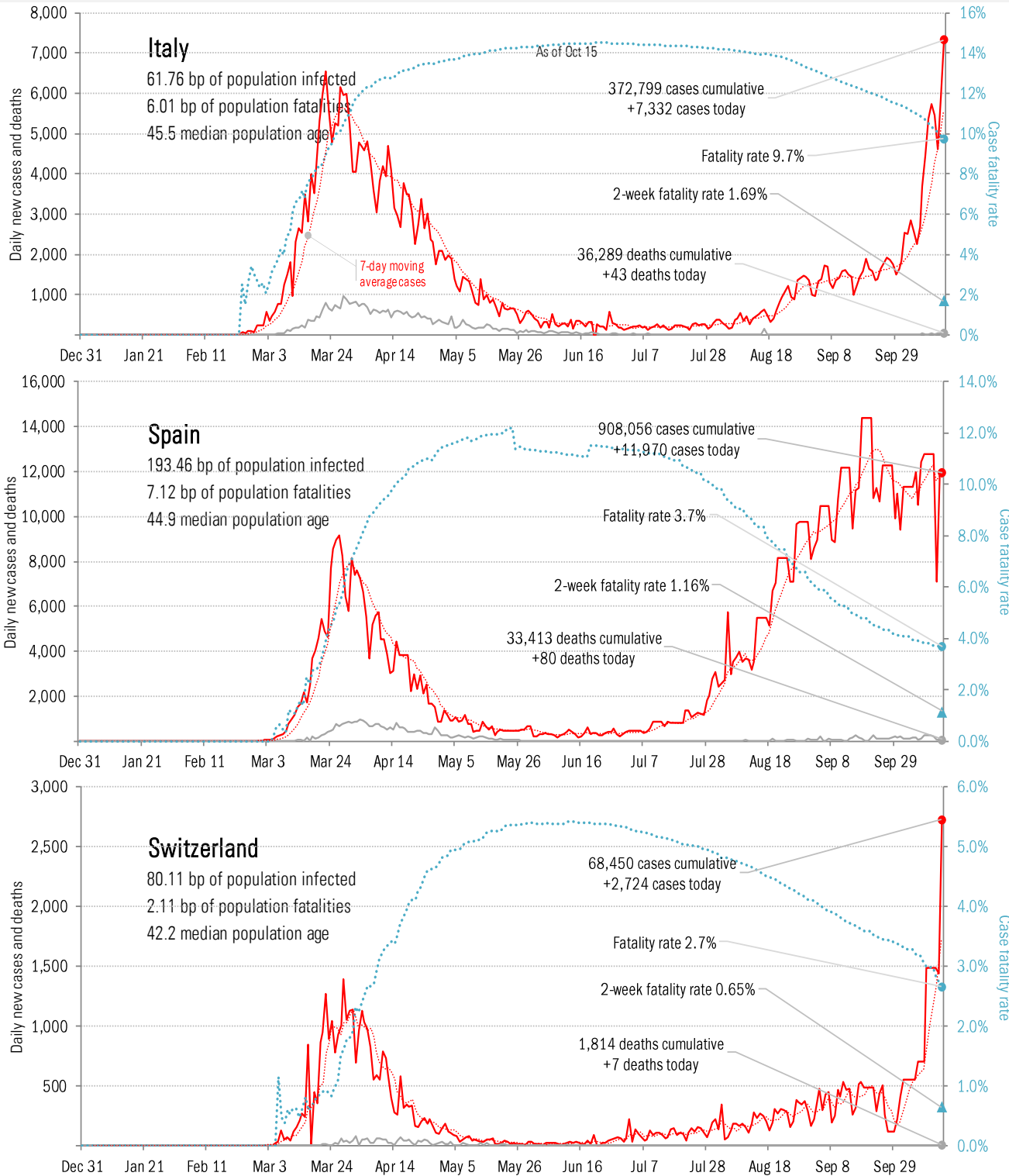
Source: [ECDC](#), TrendMacro calculations

Impact in The Anglosphere



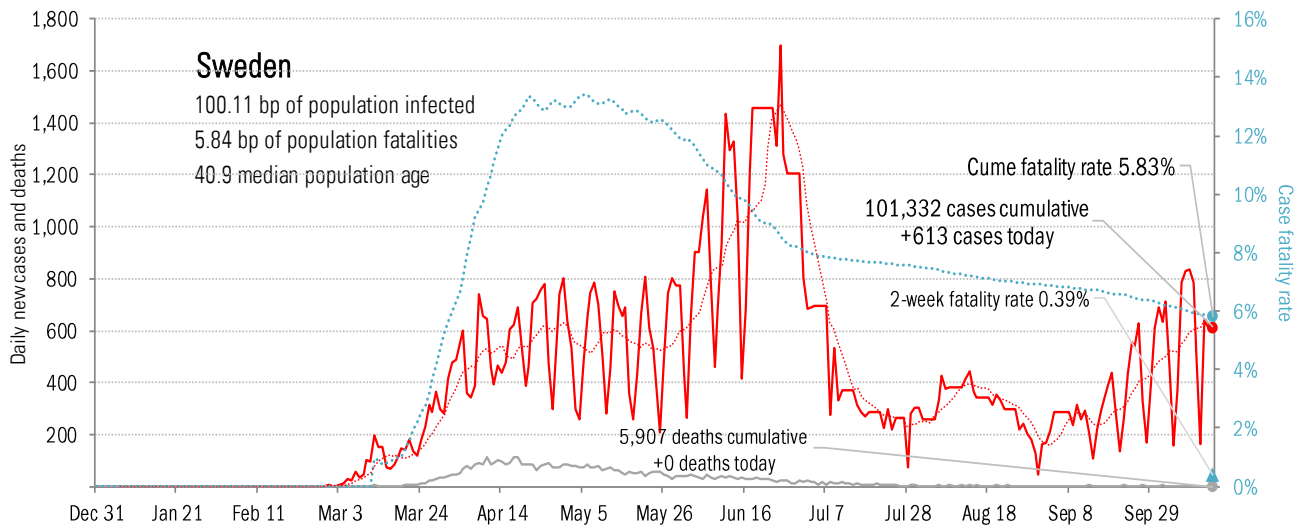
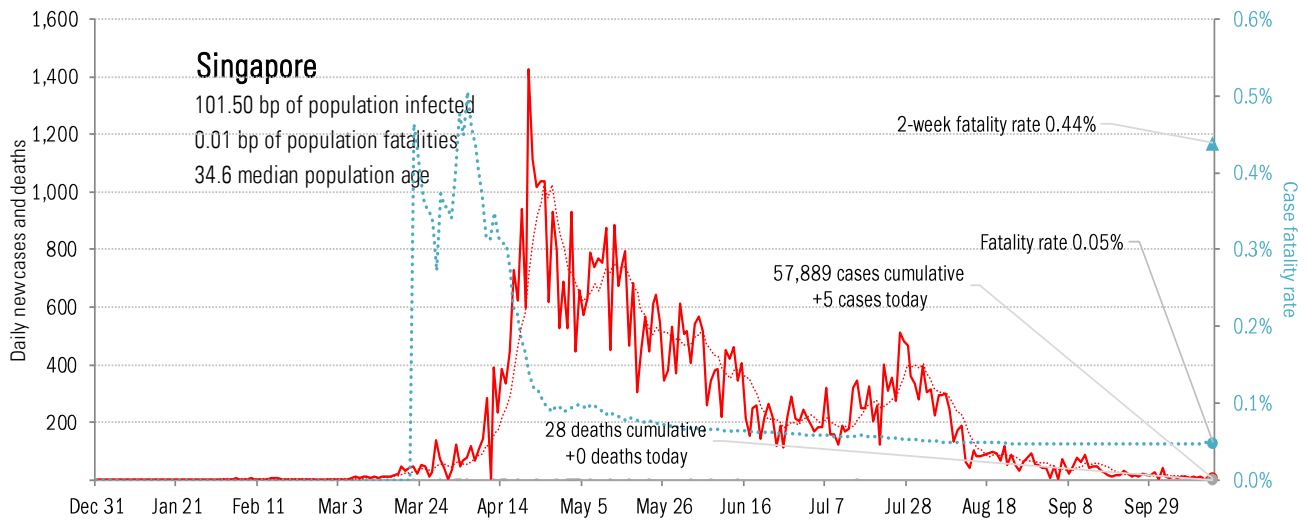
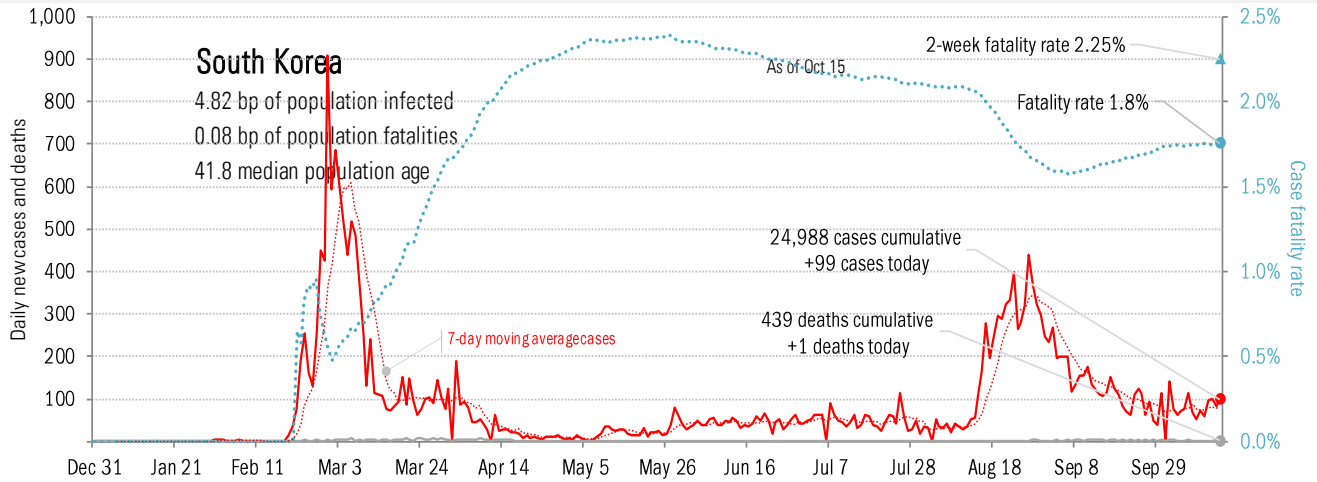
Source: [ECDC](#), TrendMacro calculations

Impact in continental Europe



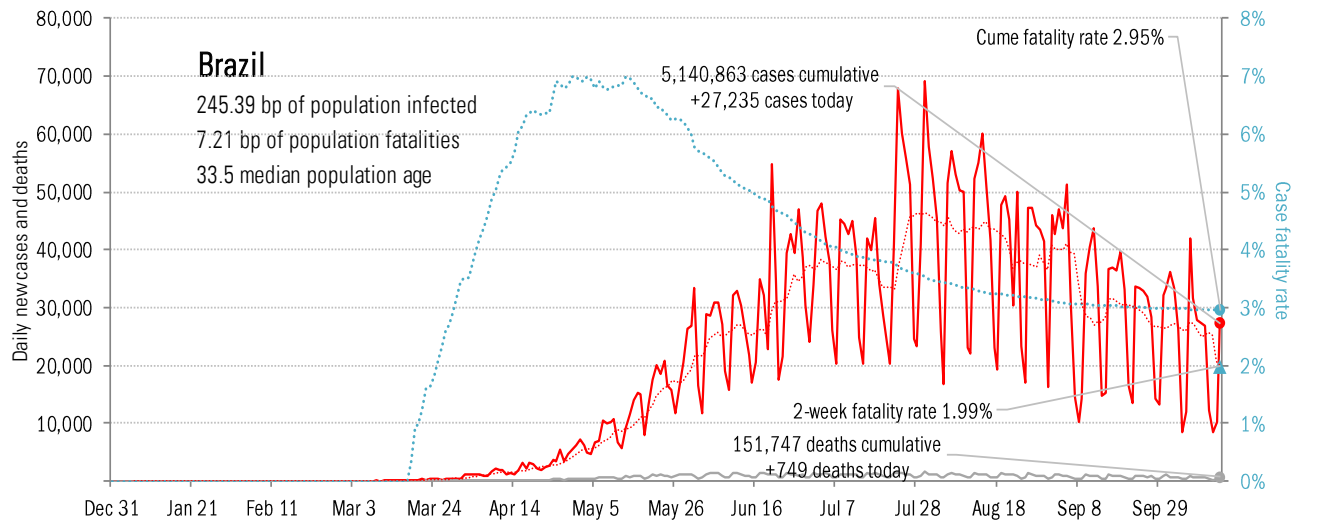
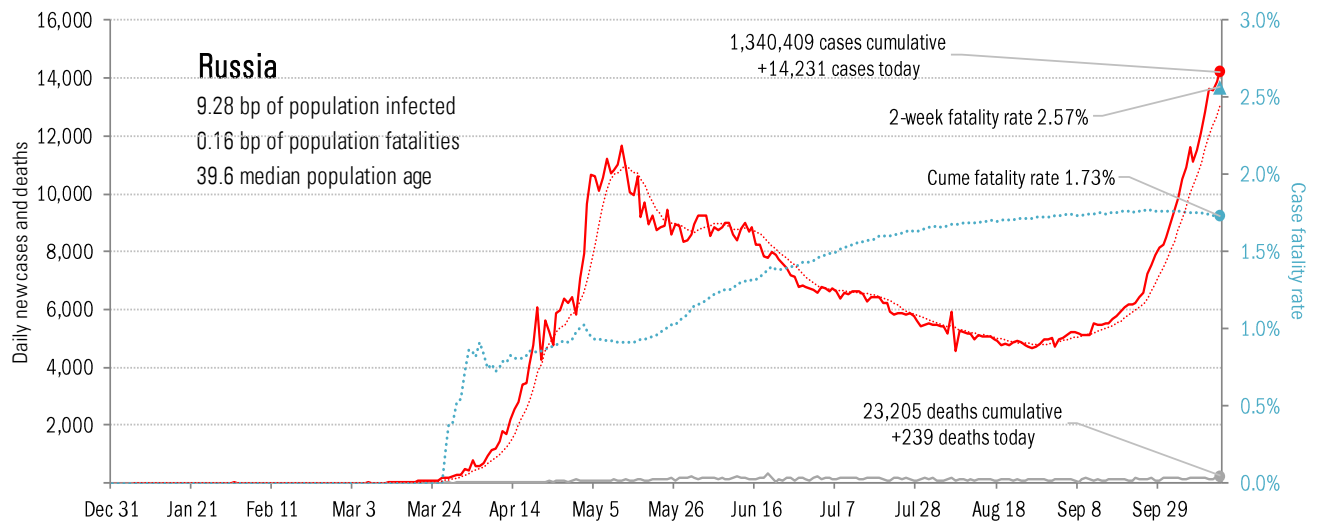
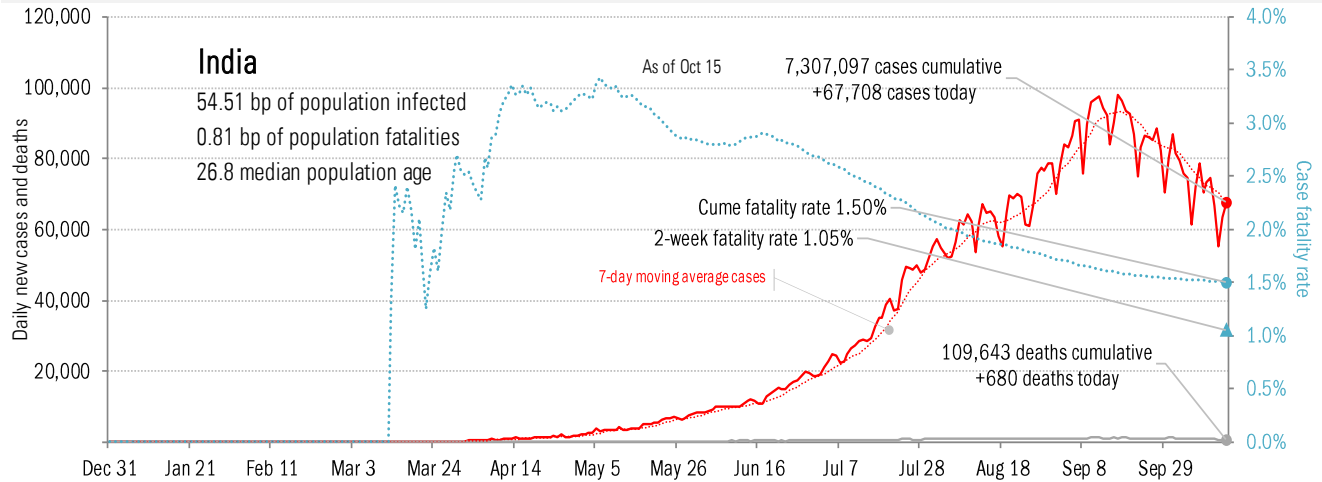
Source: [ECDC](#), TrendMacro calculations

Impact in other hot-spots



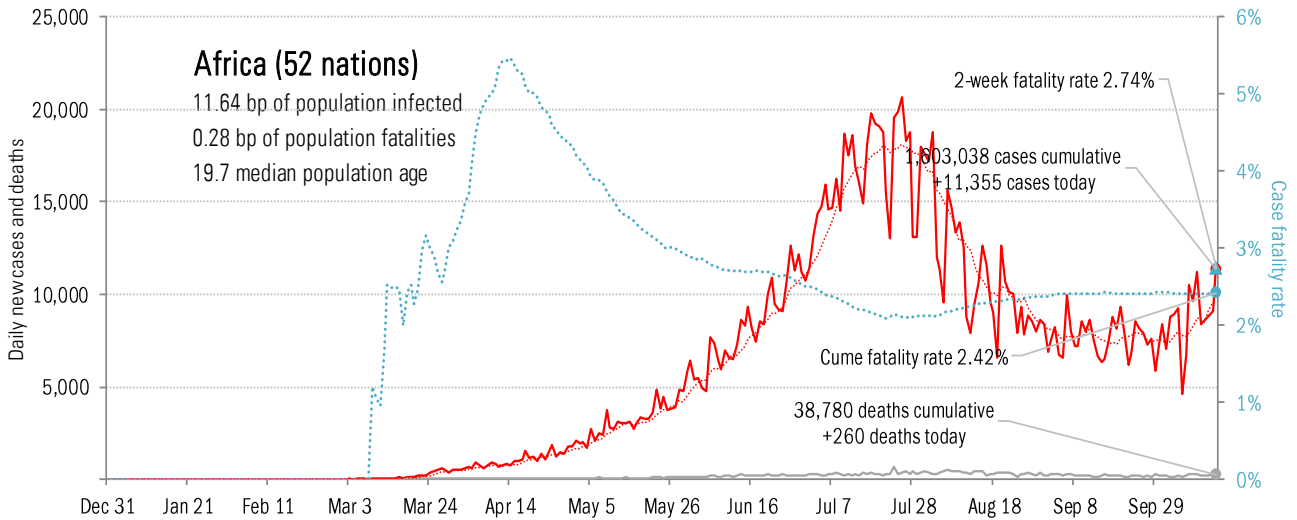
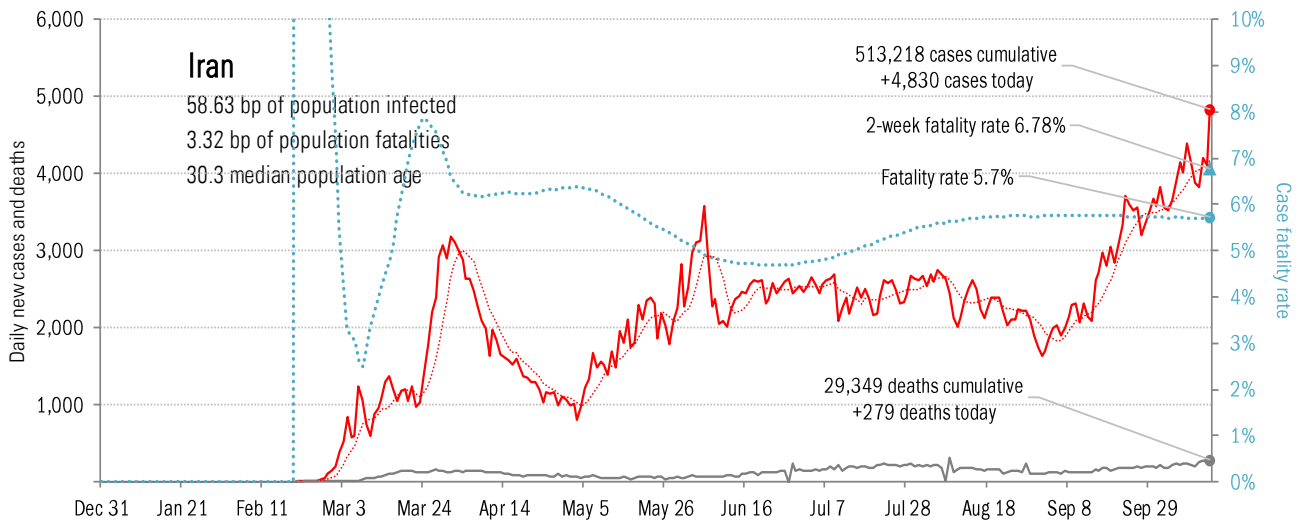
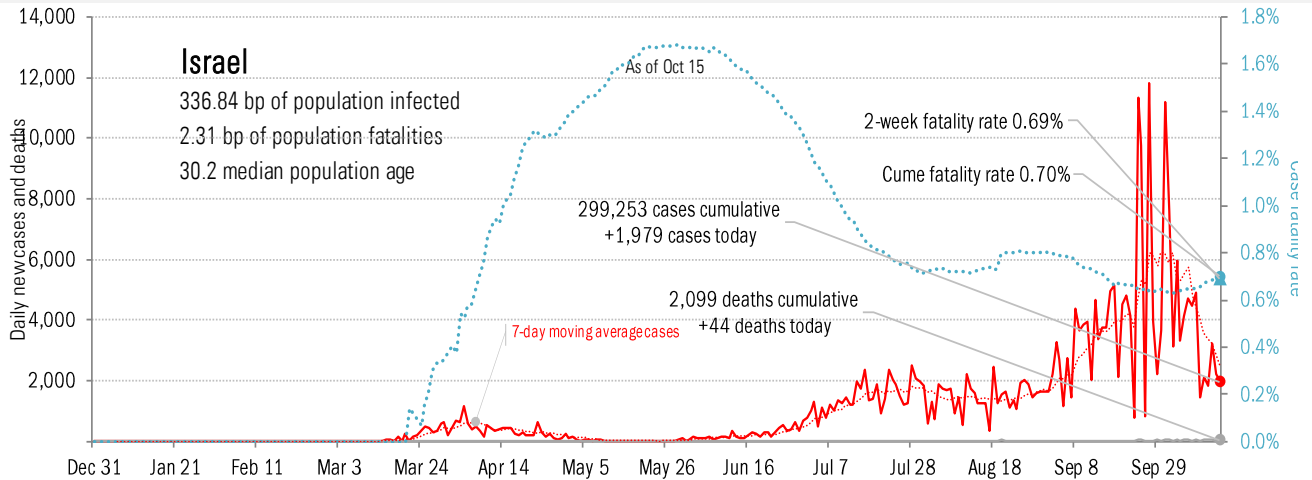
Source: [ECDC](#), TrendMacro calculations

Impact in the BRICs ex-China



Source: [ECDC](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [ECDC](#), TrendMacro calculations