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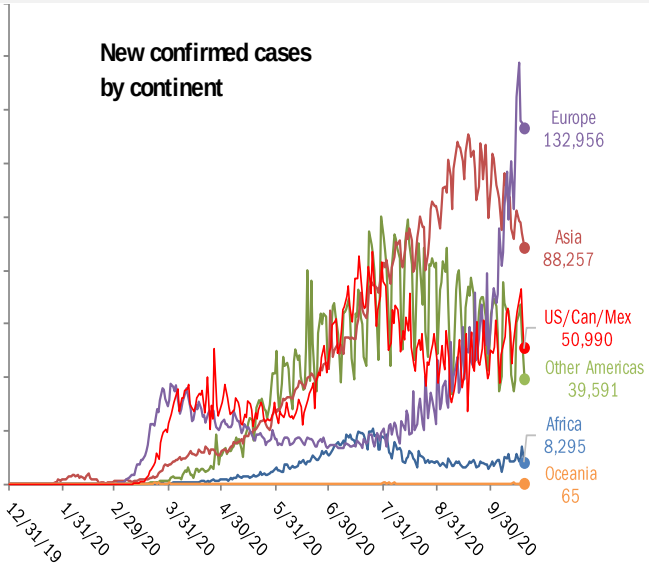
Data Insights: Covid-2019 Monitor

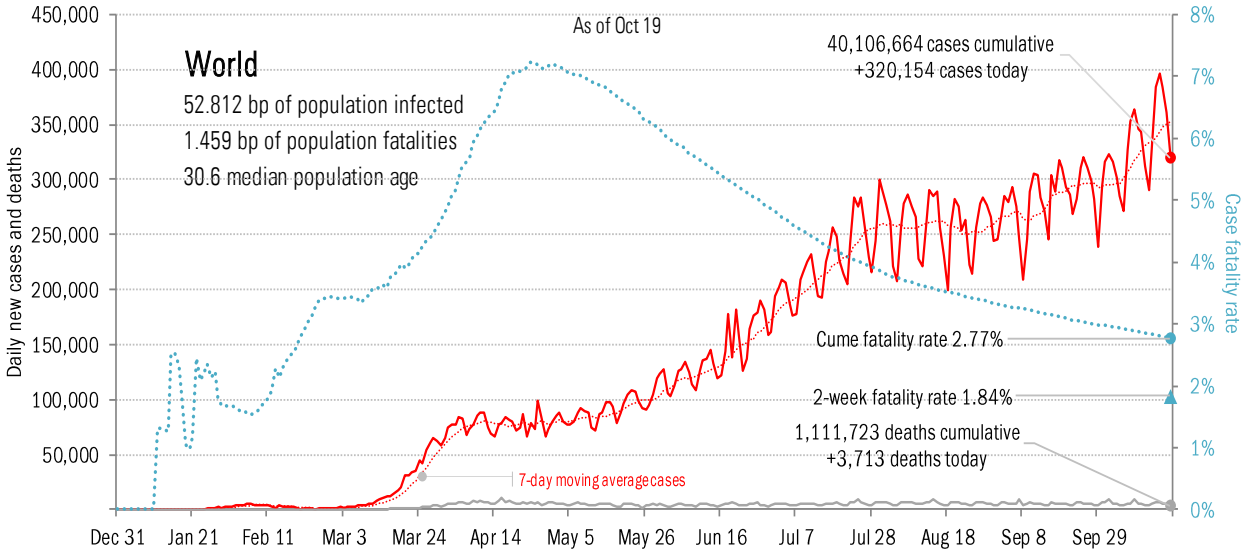
Monday, October 19, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+55,722	India	+579
US	+47,843	US	+385
France	+29,837	Iran	+252
UK	+16,981	Brazil	+230
Spain	+15,186	Russia	+185
Russia	+15,099	Colombia	+167
Italy	+11,705	Argentina	+160
Brazil	+10,982	Ukraine	+156
Argentina	+10,561	Mexico	+108
Ukraine	+9,997	France	+85
	+223,913		+2,307
World	+320,154	World	+3,713
Top ten	70%	Top ten	62%





Source: ECDC, TrendMacro calculations

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The US scorecard

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

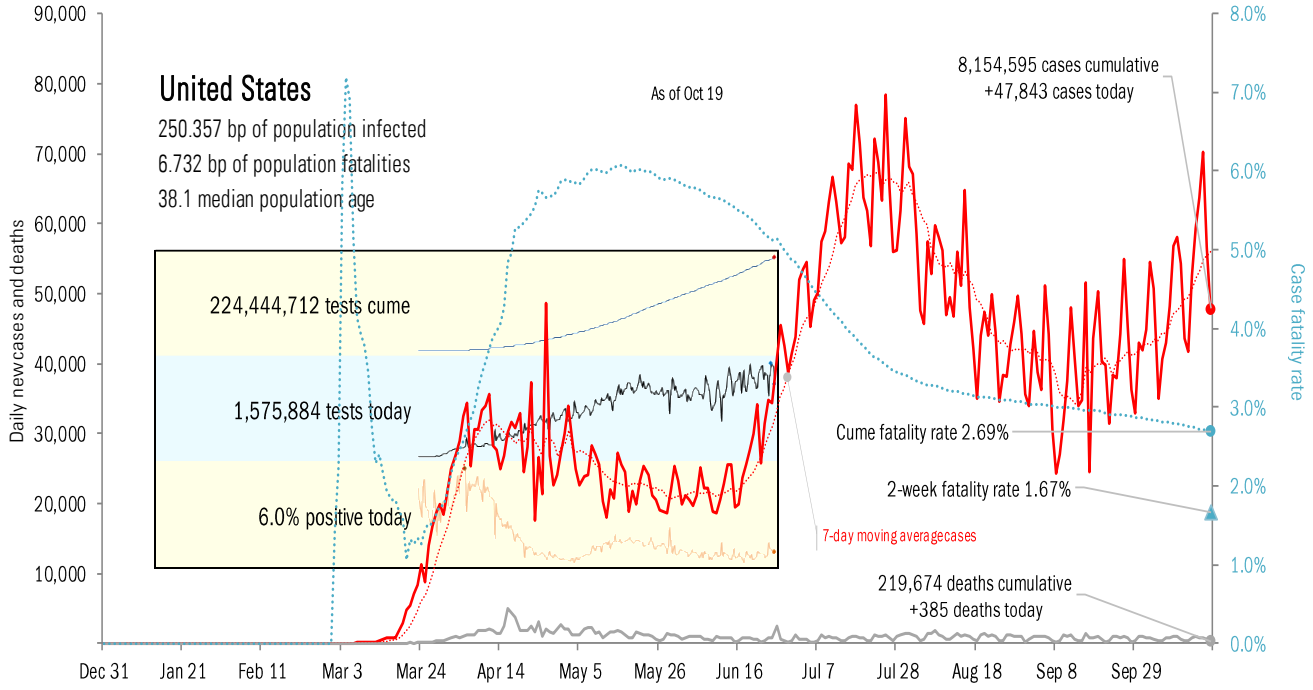
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
IL	+4,245	FL	+50	GA	+32	CA	867,317	NY	25,644	NY	89,995
TX	+3,216	CA	+44	IN	+29	TX	823,779	TX	17,014	FL	47,592
CA	+2,862	GA	+31	CA	+25	FL	755,020	CA	16,943	GA	30,376
TN	+2,605	TX	+30	OH	+18	NY	484,281	NJ	16,211	NJ	24,160
FL	+2,539	PA	+26	IA	+14	IL	347,635	FL	16,168	AZ	20,640
NC	+2,303	LA	+23	WA	+12	GA	340,558	MA	9,737	VA	20,006
MO	+1,768	IL	+22	MD	+11	NC	246,028	IL	9,474	AL	18,855
MN	+1,722	AR	+20	MT	+7	AZ	231,149	PA	8,492	OH	17,061
IN	+1,605	IN	+19	AK	+5	TN	228,744	GA	7,638	MD	16,435
OH	+1,562	MN	+17	DE	+5	NJ	220,013	MI	7,317	IN	14,715
	+24,427		+282		+158		4,544,524		134,638		299,835
All states	+48,638	All states	+393	All states	-+976	All states	8,113,984	All states	211,384	All states	435,098
Top ten	50%	Top ten	72%	Top ten	-16%	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	
TX	-1,669	MO	-119	MO	-501	AR	+3
FL	-1,505	TX	-51	TN	-212	AL	+1
IN	-877	FL	-38	IL	-118	AK	+0
MS	-751	TN	-26	TX	-76	AS	+0
OH	-672	CA	-25	NJ	-58	AZ	+0



Source: States and test data Covid Tracking Project, US data ECDC, TrendMacro calculations

Recommended reading

[An Analysis of Vice President Biden's Economic Agenda: The Long Run Impacts of Its Regulation, Taxes, and Spending]
Kevin Hassett, Casey B. Mulligan, Timothy Fitzgerald, Cody Kallen
Hoover Institution
October 13, 2020

[Tax Increase for Corporations Looks More Likely as Election Nears]
Richard Rubin
Wall Street Journal
October 18, 2020

[Endless lockdowns are undermining the way we live]
Luke Johnson
Sunday Times
October 18, 2020

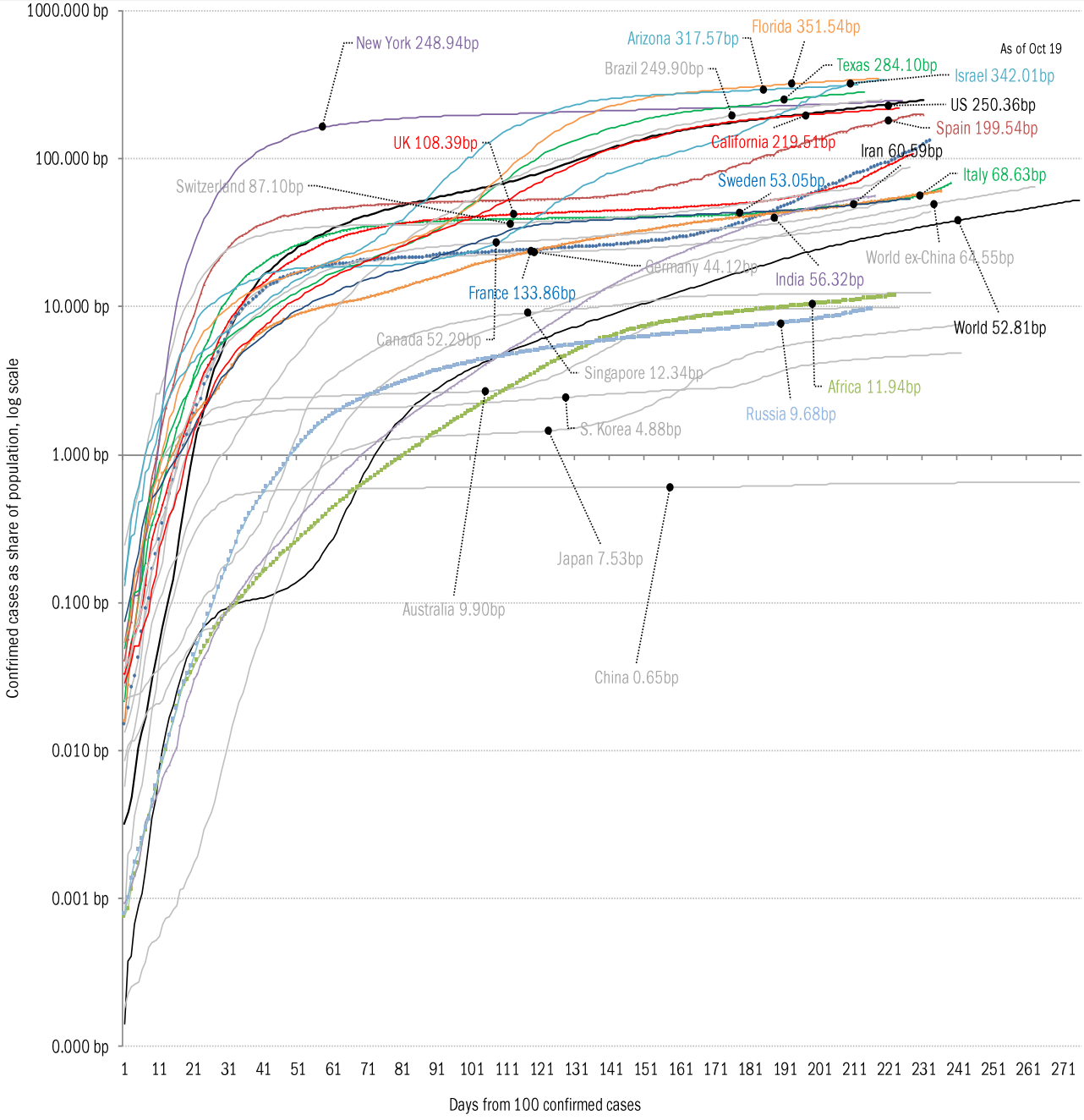
[Test and waste: Dido Harding, boss of £12bn tracing scheme, says it was never a silver bullet]
Gabriel Pogrund and Hannah Al-Othman
Sunday Times
October 18, 2020

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

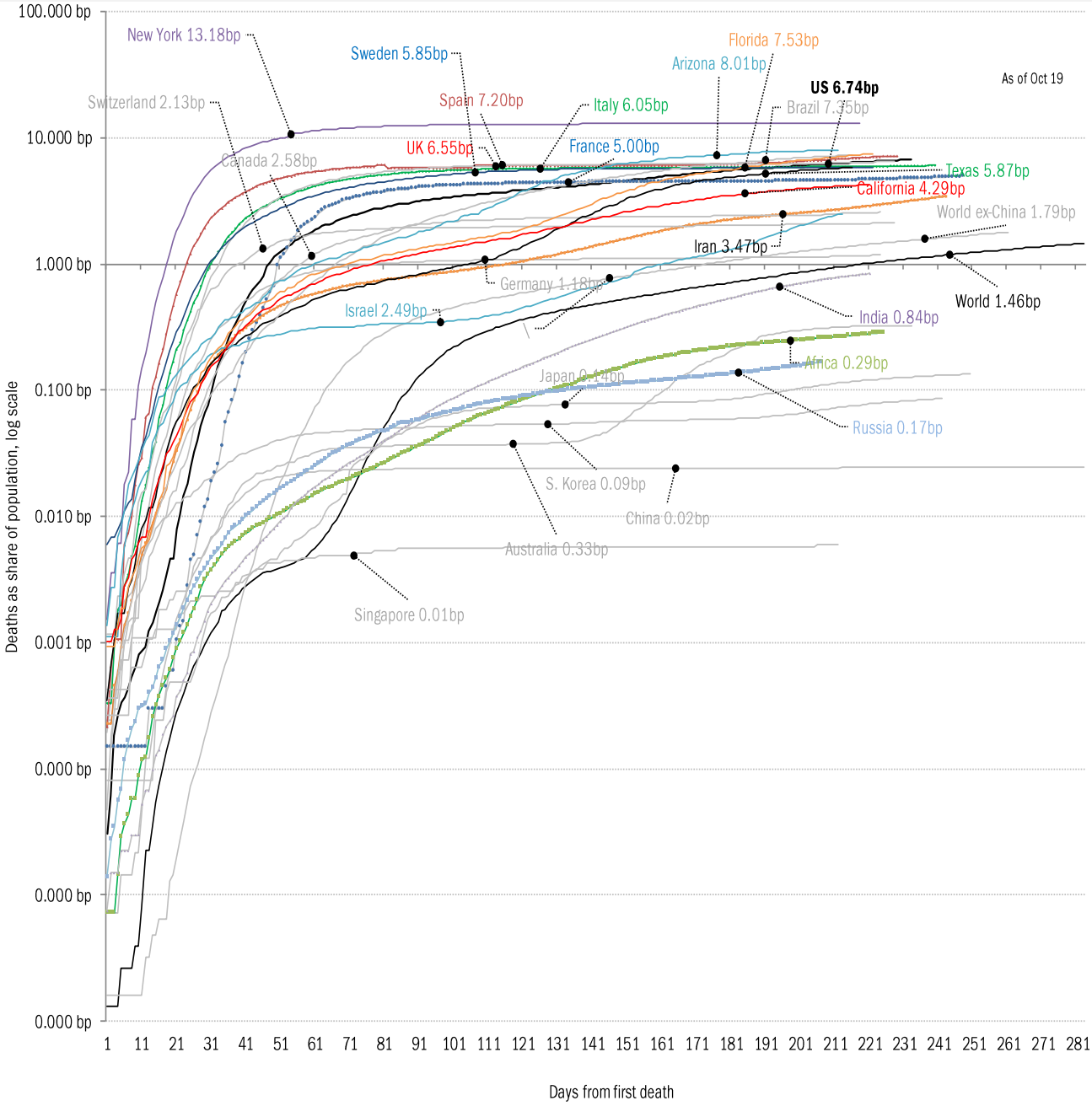
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

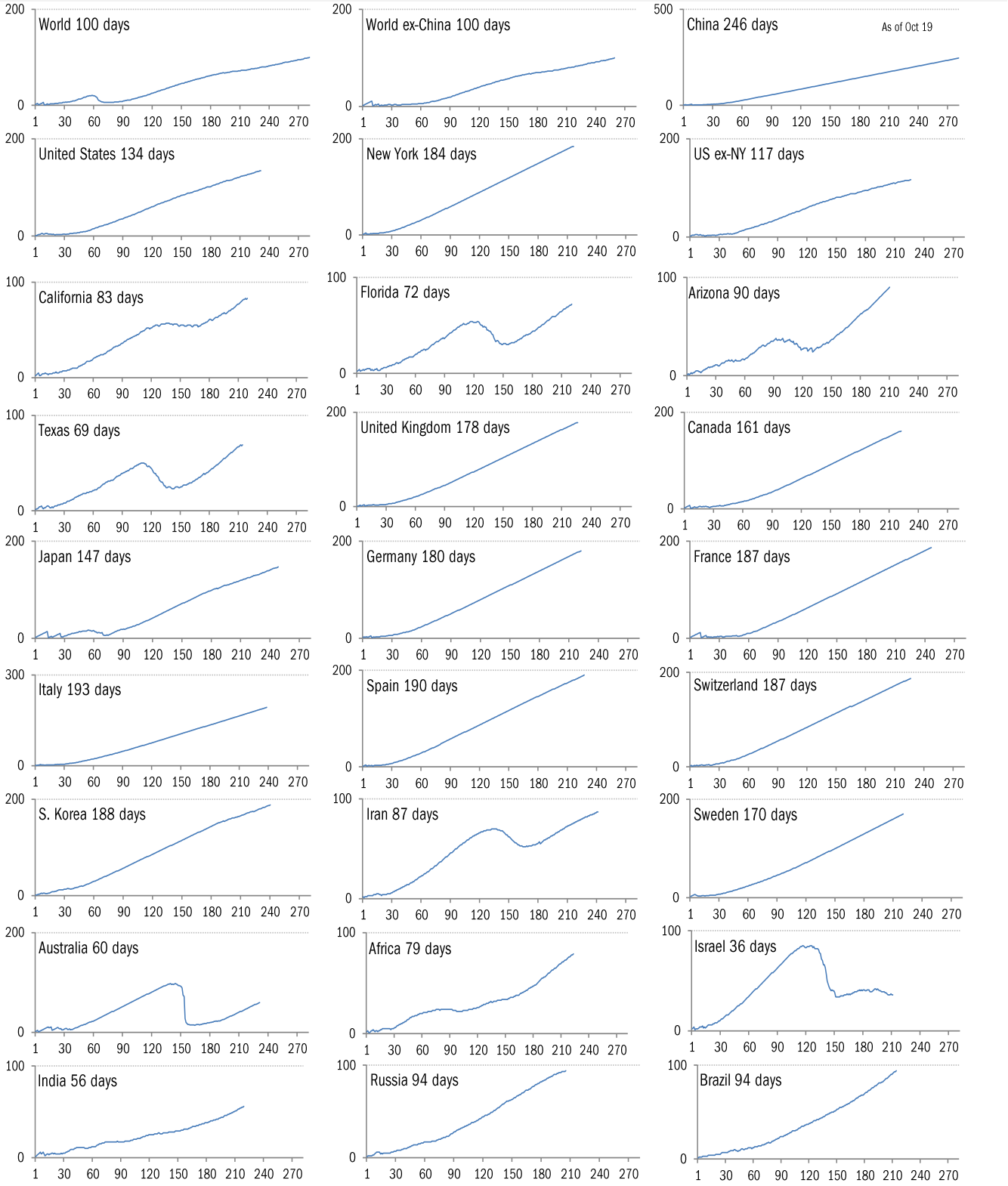


Source: ECDC, TrendMacro calculations

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

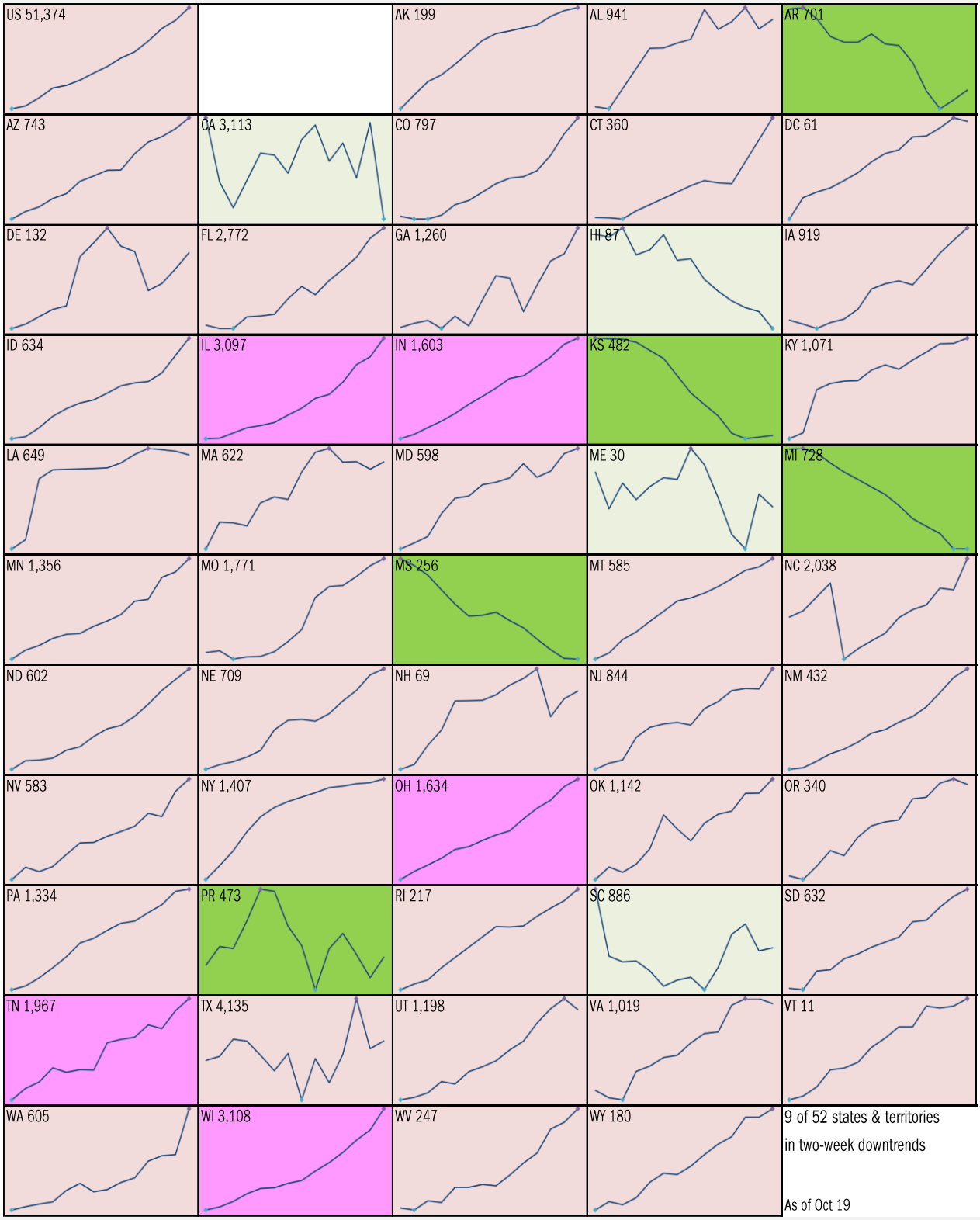


Source: ECDC, TrendMacro calculations

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

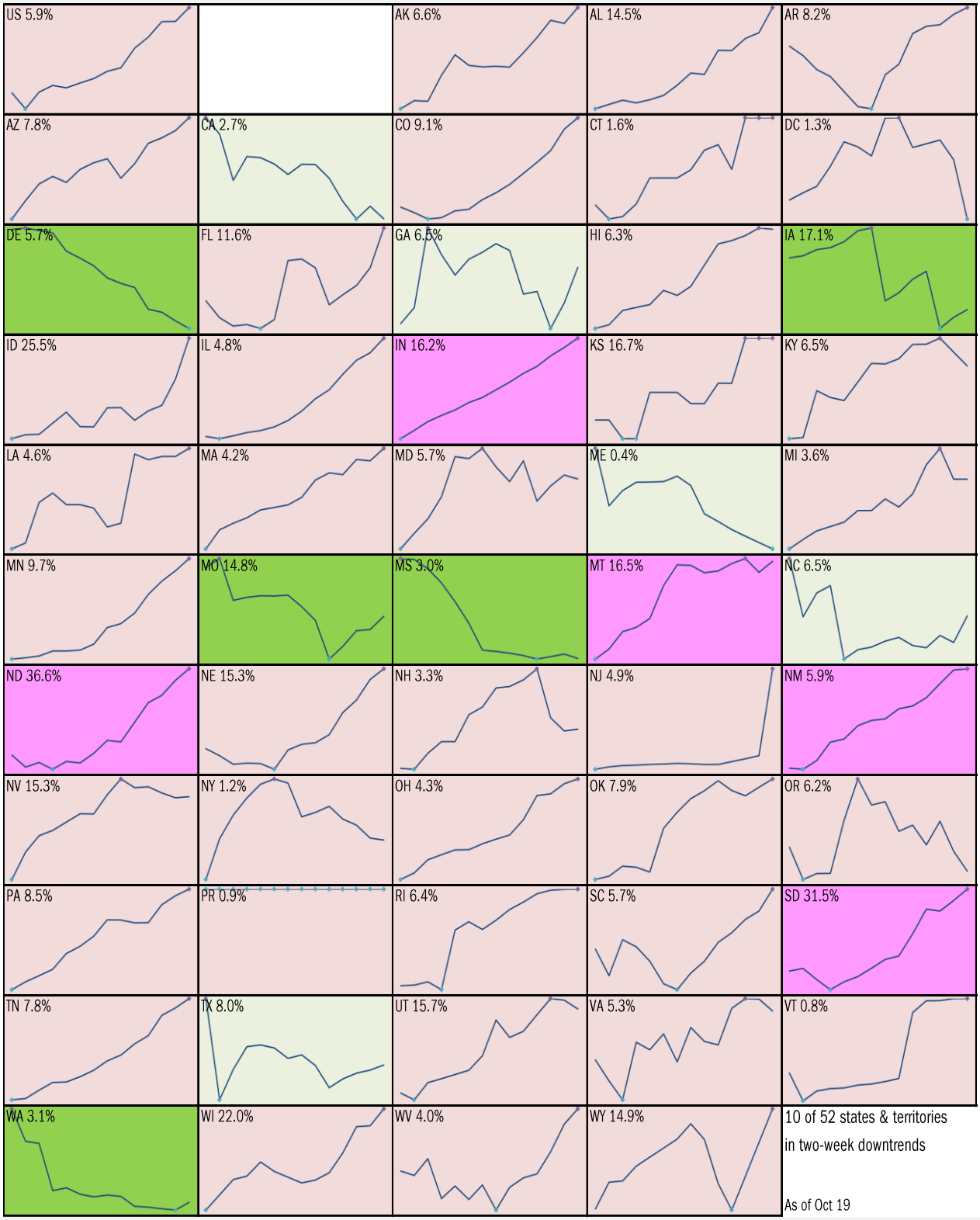


Source: Covid Tracking Project, TrendMacro calculations

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

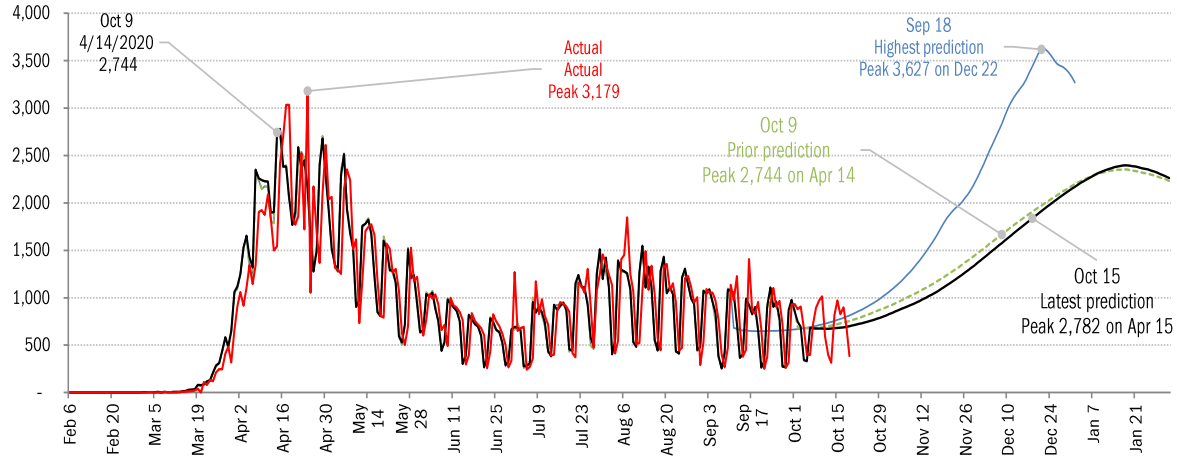


Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

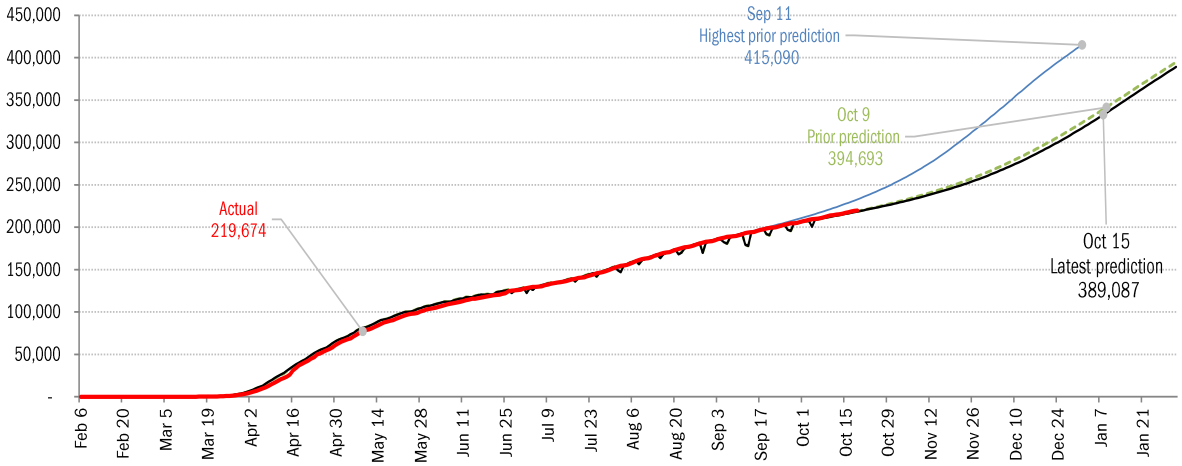
New daily fatalities As of Oct 19

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

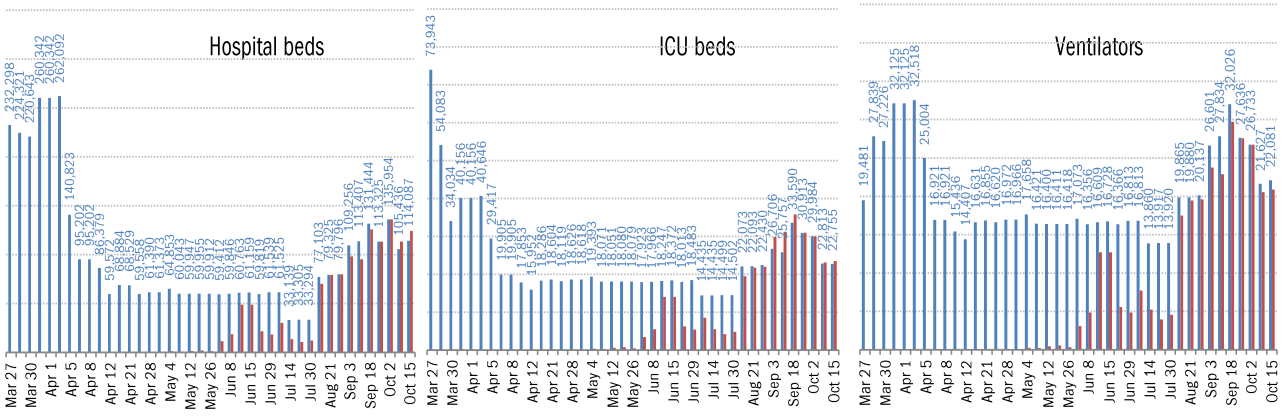


Cumulative fatalities

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

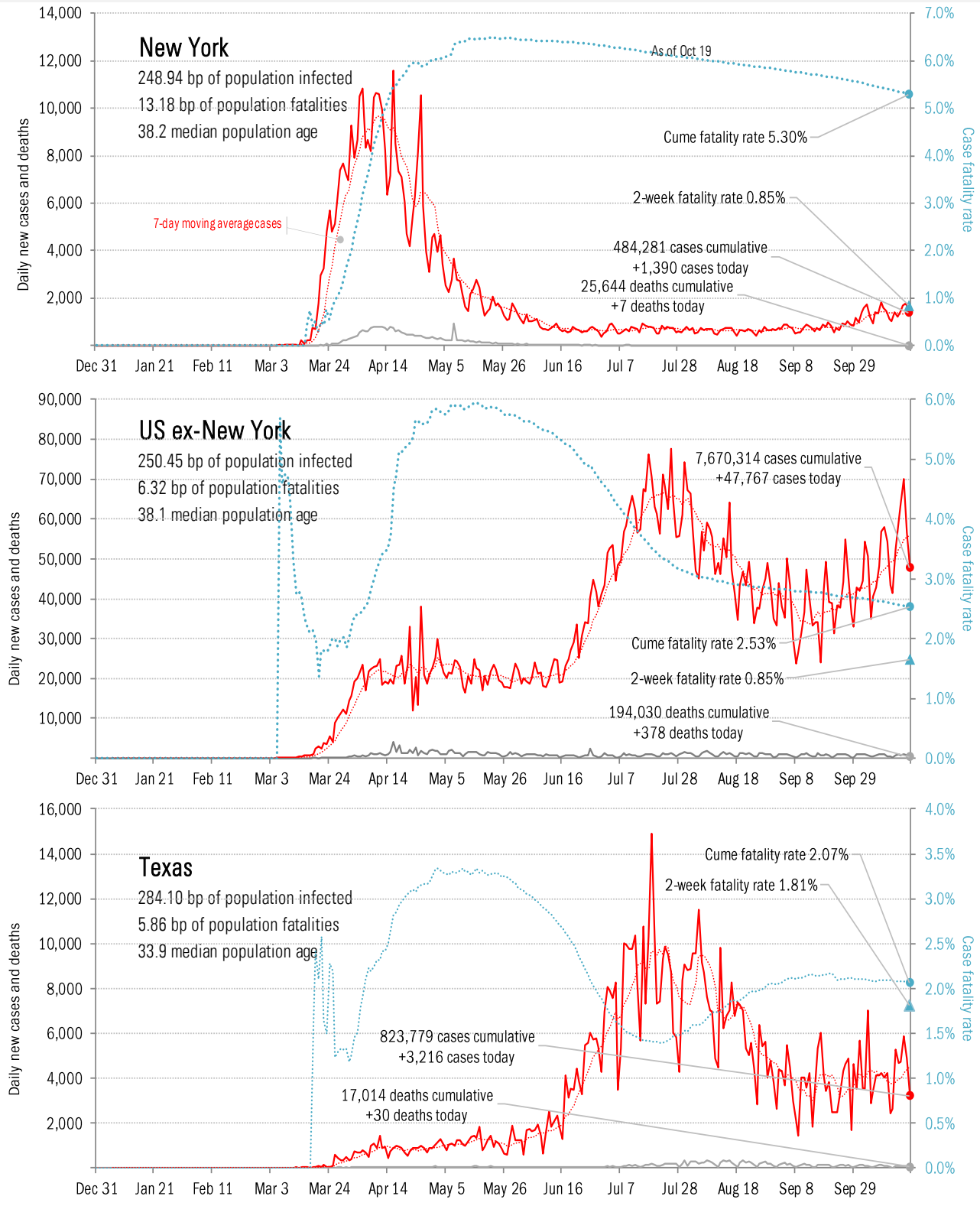


Healthcare system stress, peak and ultimate estimated at each model revision



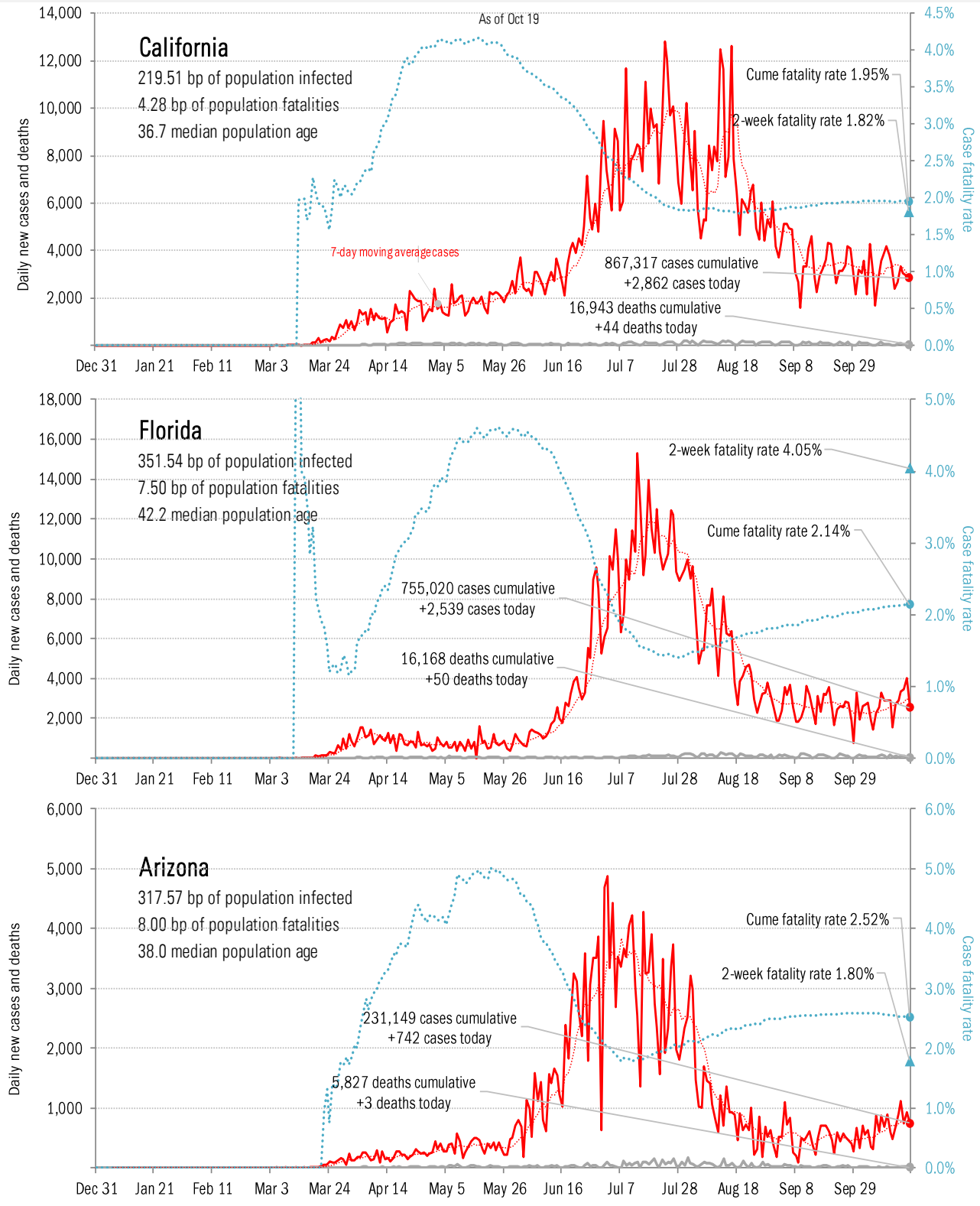
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



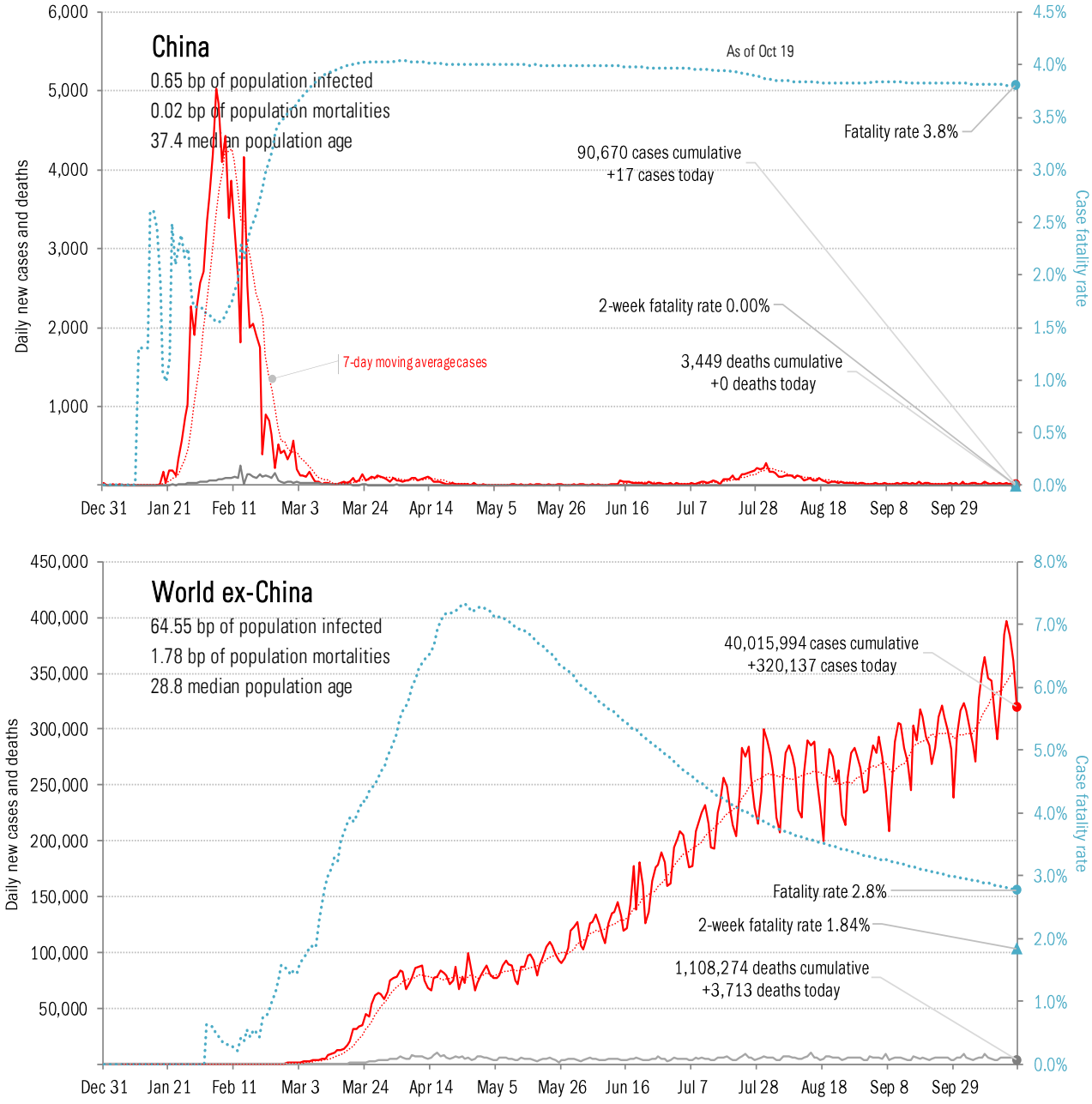
Source: ECDC, TrendMacro calculations

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



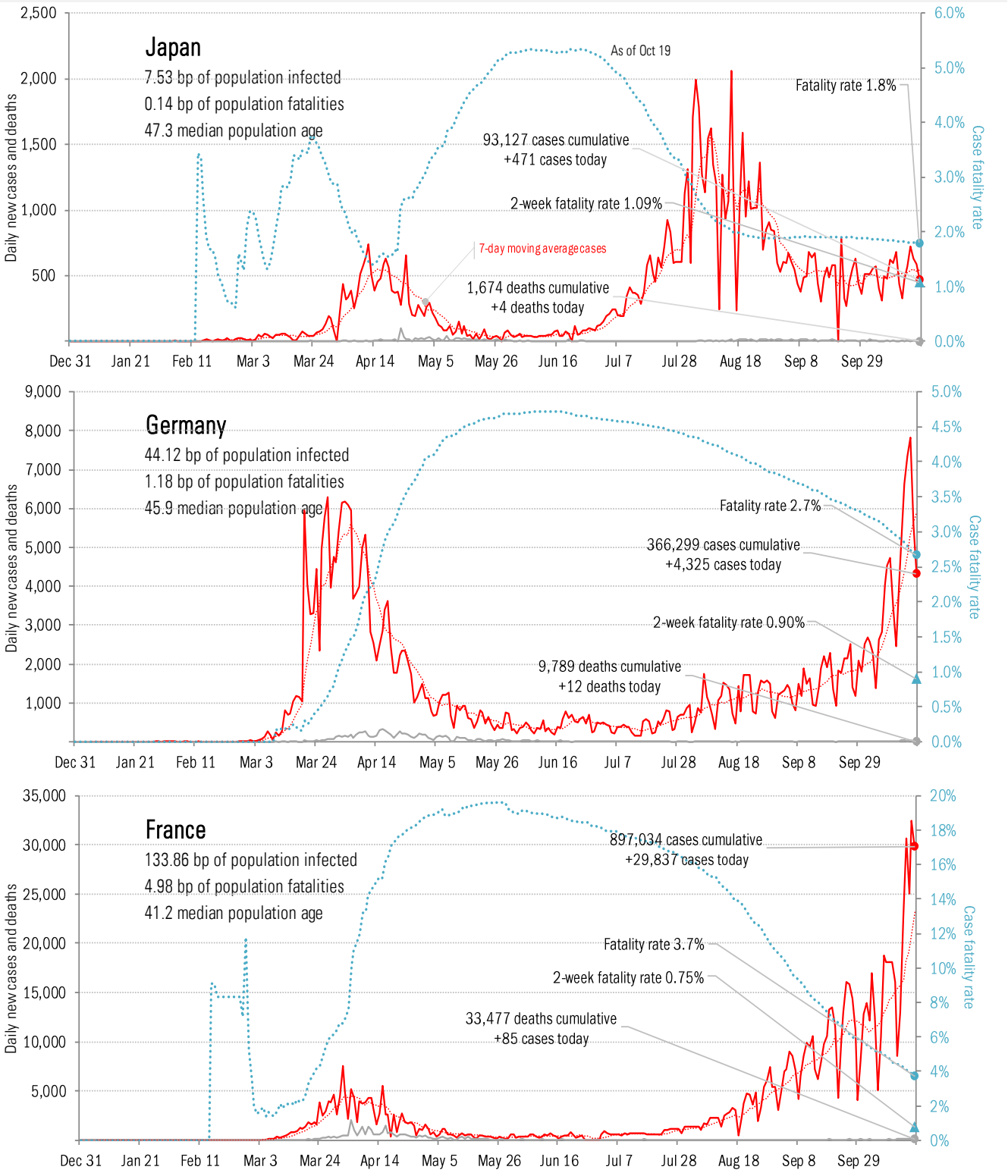
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



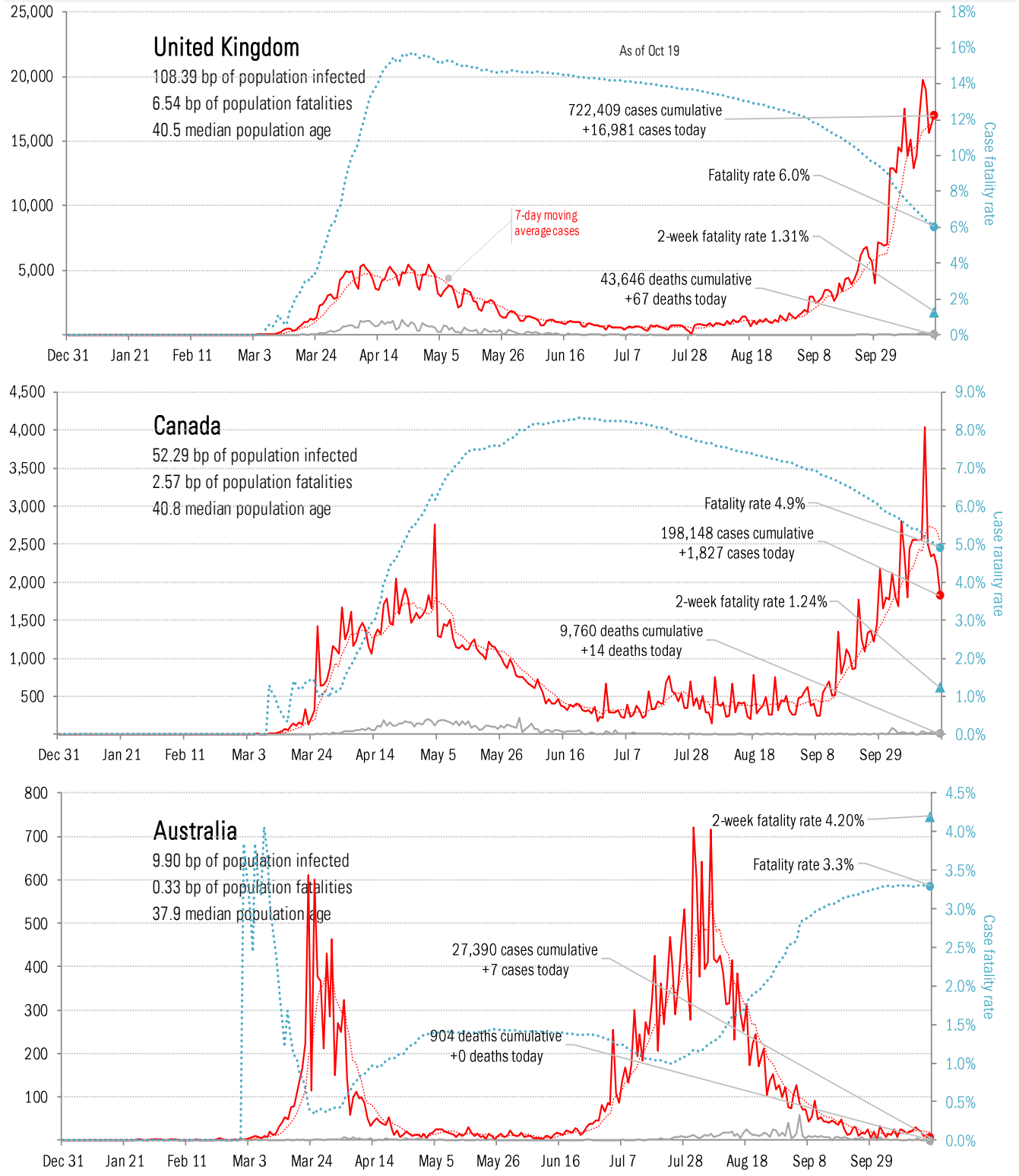
Source: ECDC, TrendMacro calculations

Impact in the largest economies



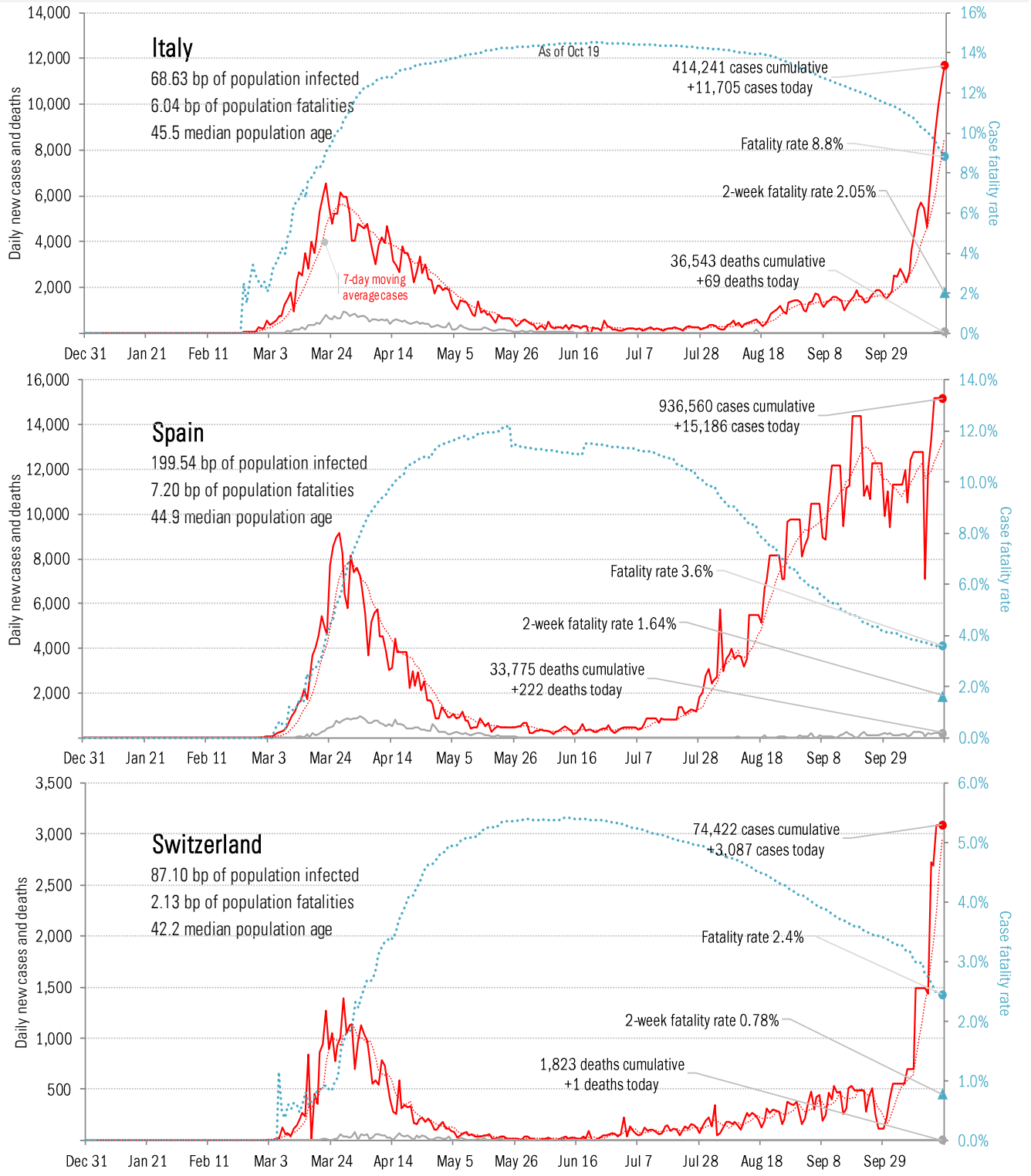
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



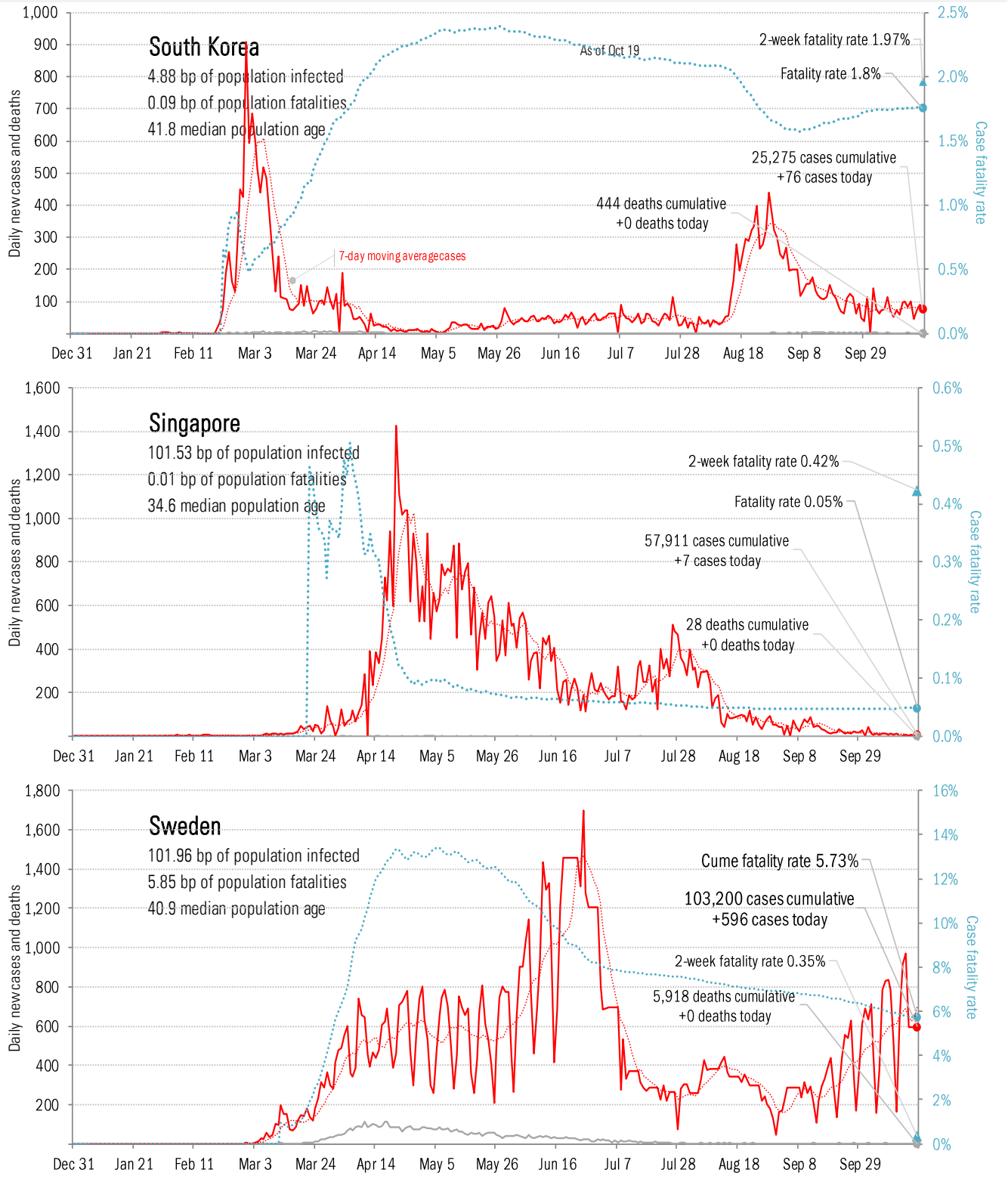
Source: ECDC, TrendMacro calculations

Impact in continental Europe



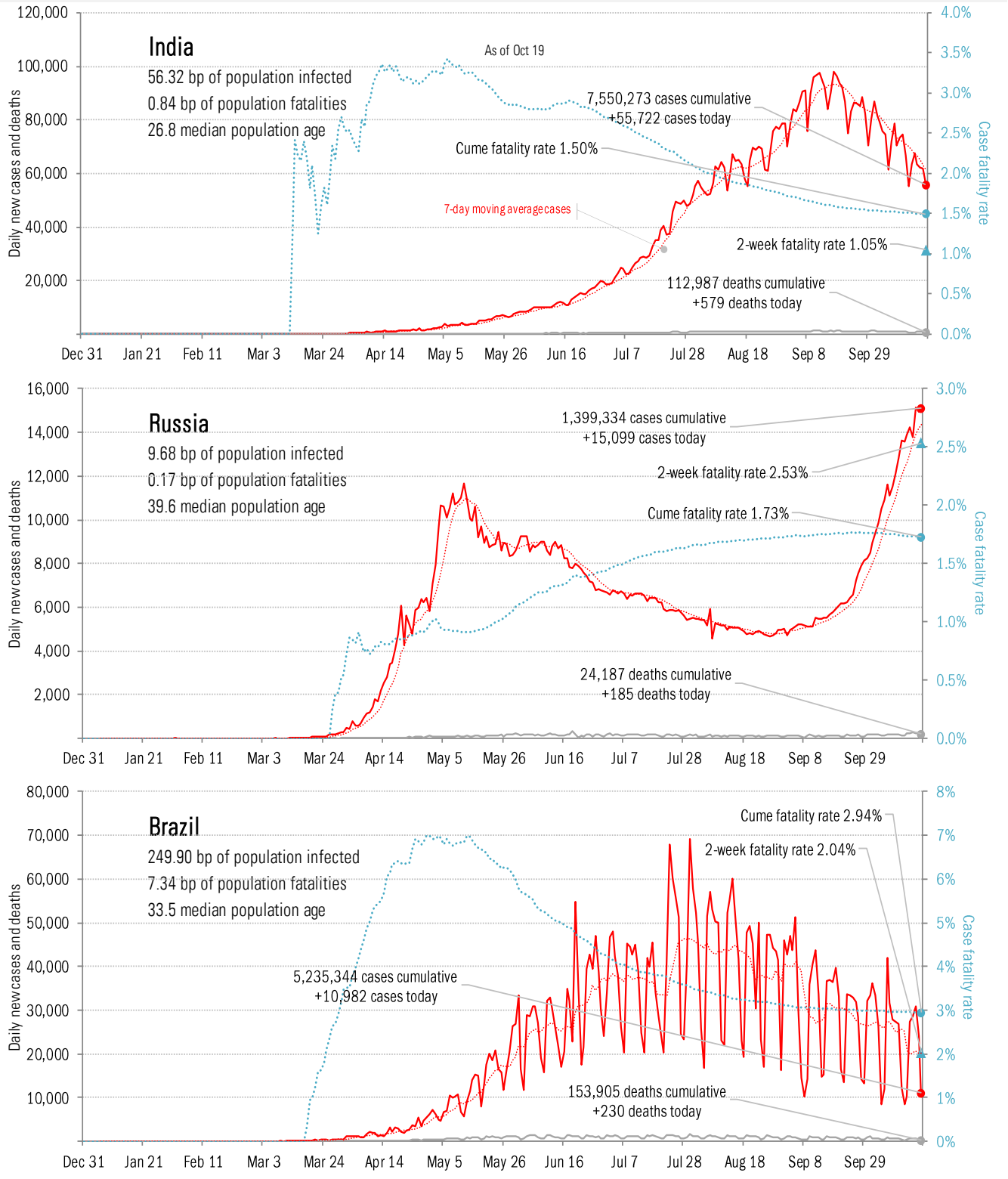
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



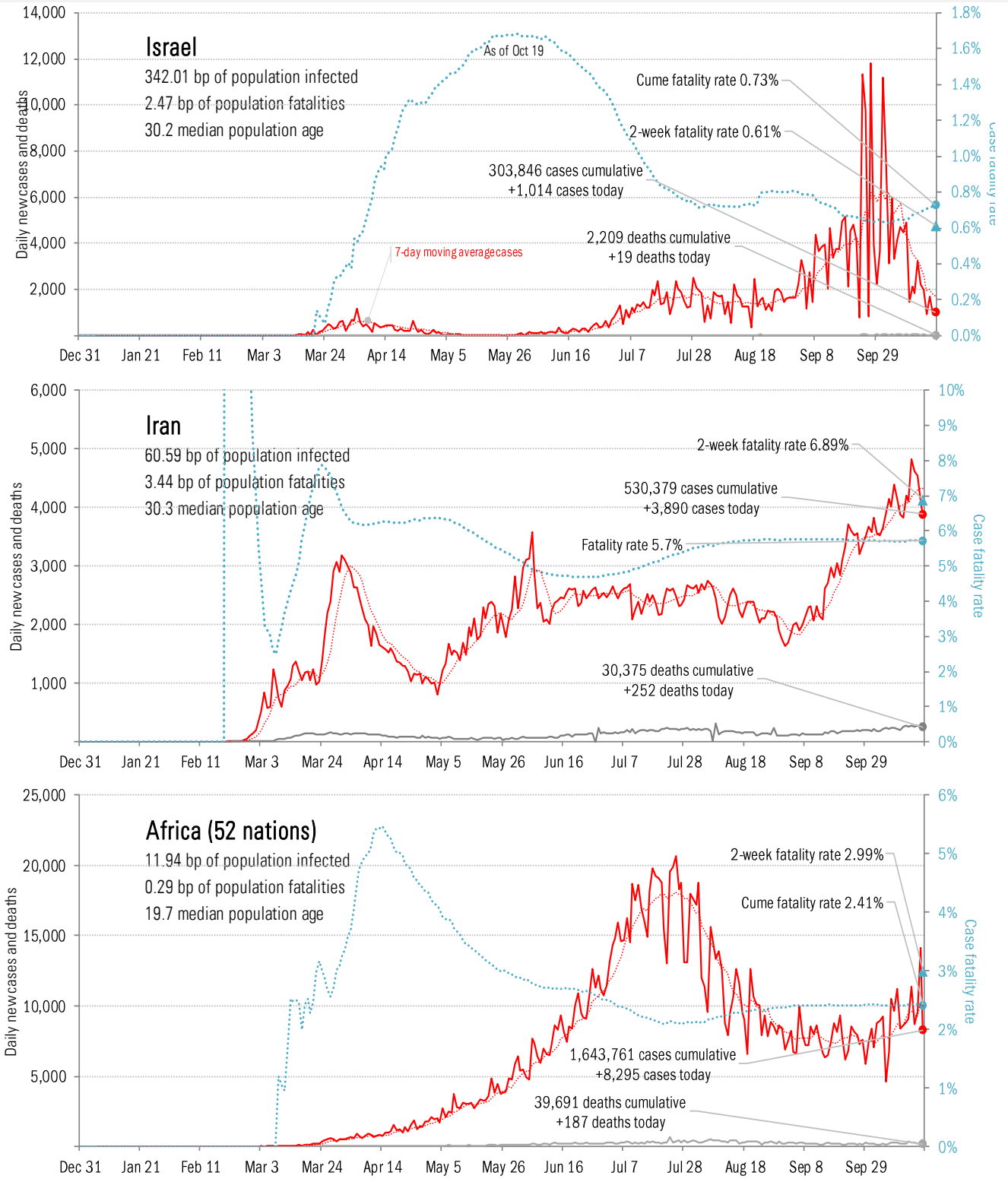
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations