Trend Macrolytics, LLC
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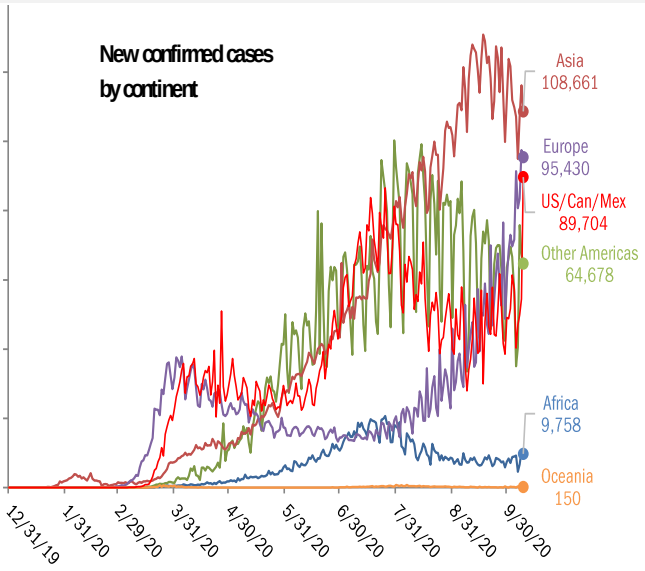
Data Insights: Covid-2019 Monitor

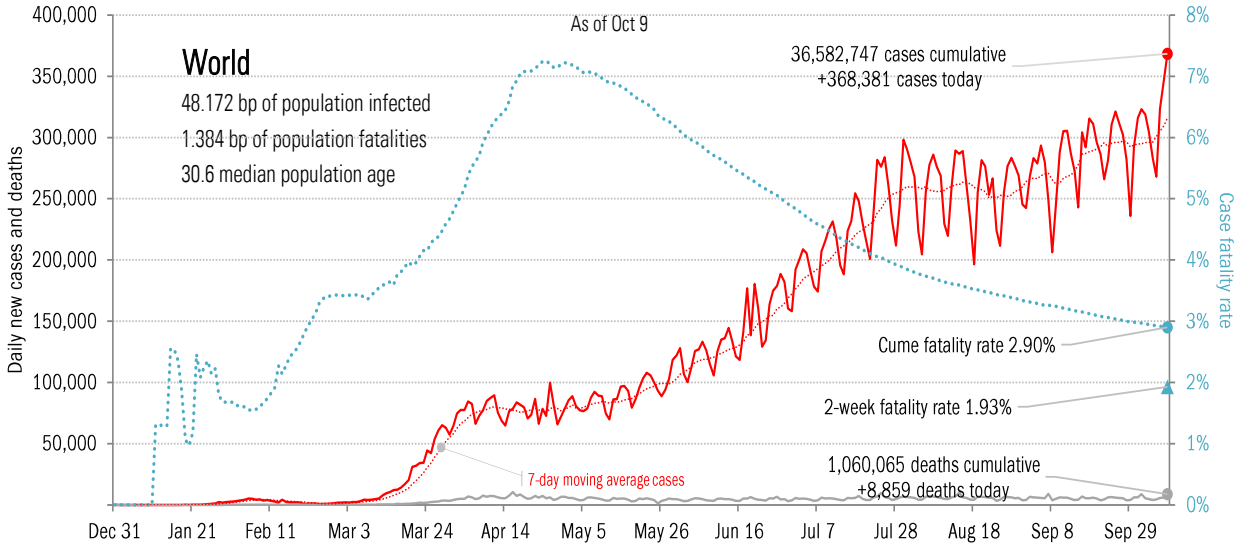
Friday, October 9, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+70,496	Mexico	+3,013
US	+56,800	US	+972
Mexico	+30,468	India	+964
Brazil	+27,750	Brazil	+729
France	+18,129	Argentina	+484
UK	+17,540	Ecuador	+398
Argentina	+15,454	Iran	+230
Spain	+12,423	Russia	+191
Russia	+11,493	South_Africa	+160
Colombia	+8,496	Colombia	+151
	+269,049		+7,292
World	+368,381	World	+8,859
Top ten	73%	Top ten	82%





Source: ECDC, TrendMacro calculations

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The US scorecard

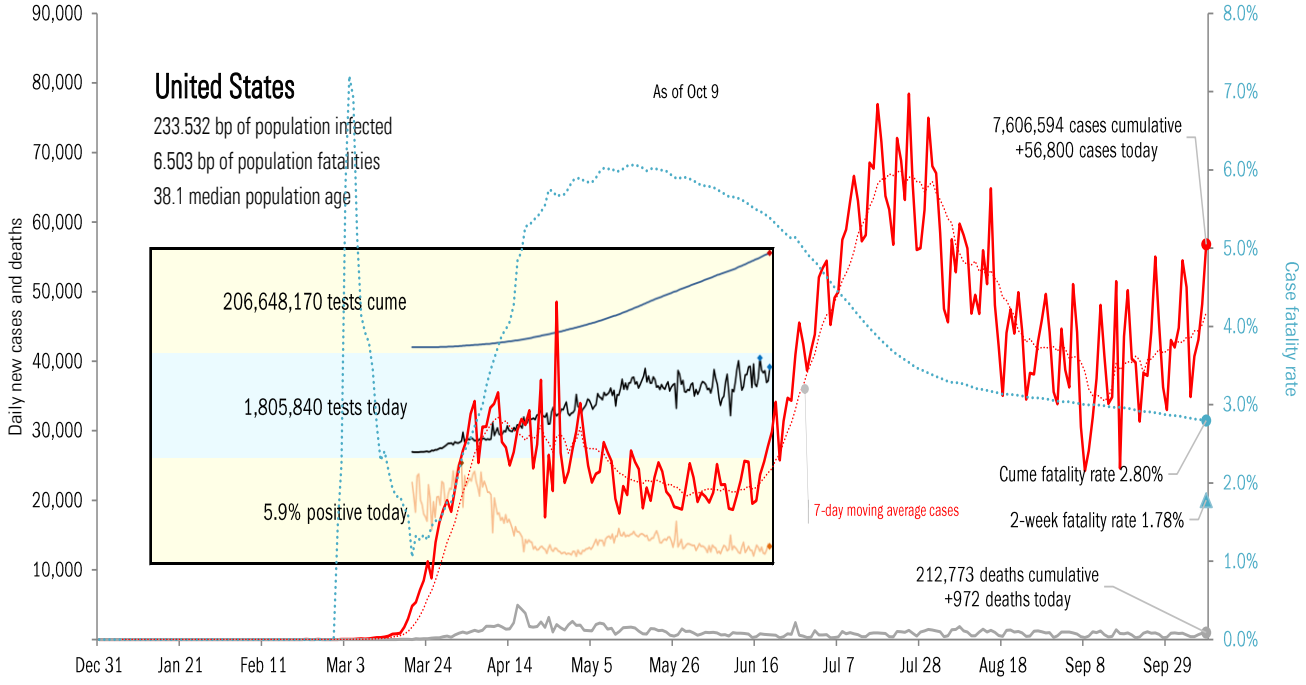
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
TX	+4,238	FL	+170	MO	+1,344	CA	834,800	NY	25,555	TX	3,556
CA	+3,575	CA	+133	MI	+175	TX	781,794	CA	16,361	CA	3,186
FL	+3,306	TX	+104	ND	+98	FL	726,013	TX	16,334	FL	2,141
WI	+3,274	TN	+63	MN	+90	NY	470,104	NJ	16,160	IL	1,755
IL	+3,059	AL	+36	IL	+76	GA	327,407	FL	15,254	GA	1,742
NC	+2,428	GA	+35	NJ	+51	IL	313,439	MA	9,565	MO	1,344
TN	+1,992	IL	+32	OH	+49	NC	225,397	IL	9,159	TN	1,149
VA	+1,844	NC	+29	AZ	+47	AZ	223,401	PA	8,299	IN	1,110
NY	+1,836	PA	+27	KS	+41	NJ	211,148	GA	7,294	NC	1,051
OH	+1,539	VA	+25	ID	+40	TN	209,447	MI	7,193	VA	933
	+27,091		+654		+2,011		4,322,950		131,174		17,967
All states	+54,870	All states	+975	All states	+2,217	All states	7,566,106	All states	204,566	All states	34,322
Top ten	49%	Top ten	67%	Top ten	91%	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	
LA	-1,632	SC	-19	VA	-147	AR	+8
KY	-1,525	KS	-17	TX	-88	UT	+5
KS	-1,244	MS	-15	OK	-80	AL	+4
MS	-960	TX	-15	MA	-52	AK	+0
SD	-525	AR	-14	KY	-51	AS	+0



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

Recommended reading

[An American Coup Attempt]
Ron Johnson
Wall Street Journal
October 8, 2020

[The Trump Treatment for Covid Is Coming Soon]
Scott Gottlieb and Mark McClellan
Wall Street Journal
October 8, 2020

[FDR, Coronavirus and the Politics of Bravado]
Lance Morrow
Wall Street Journal
October 8, 2020

[A Jewish Revolt Against Lockdowns]
Wall Street Journal
October 8, 2020

[The hypocritical oath]
Amber Athey
The Spectator
October 5, 2020

[Effect of school closures on mortality from coronavirus disease 2019: old and new predictions]
Ken Rice et al.
British Medical Journal
October 7, 2020

[Biden Surrogate Jane Fonda Calls COVID 'God's Gift to the Left']
Graham Piro
Washington Free Beacon
October 7, 2020

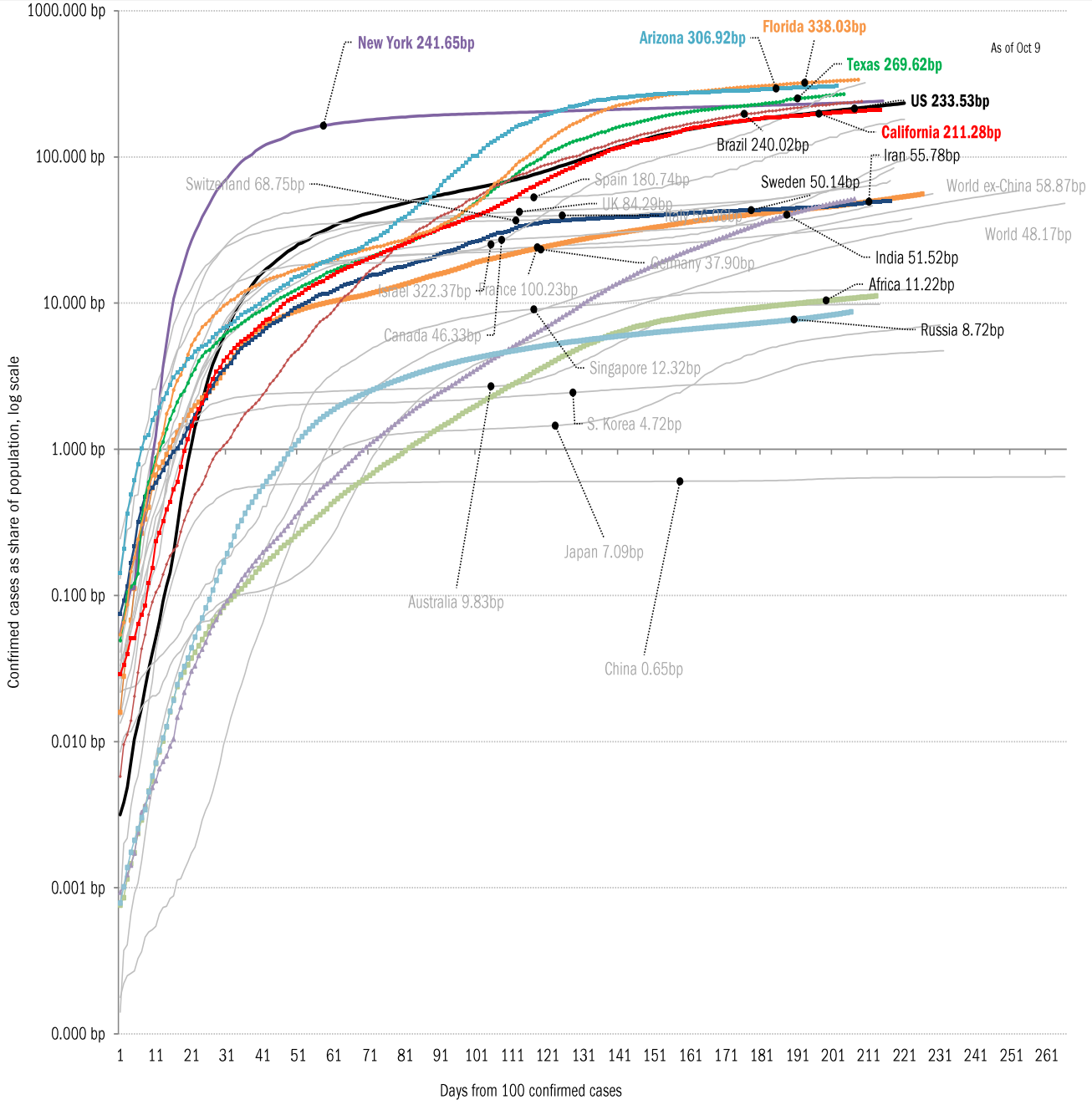
[Biden Surrogate Jane Fonda Calls COVID 'God's Gift to the Left']
Graham Piro
Washington Free Beacon
October 7, 2020

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

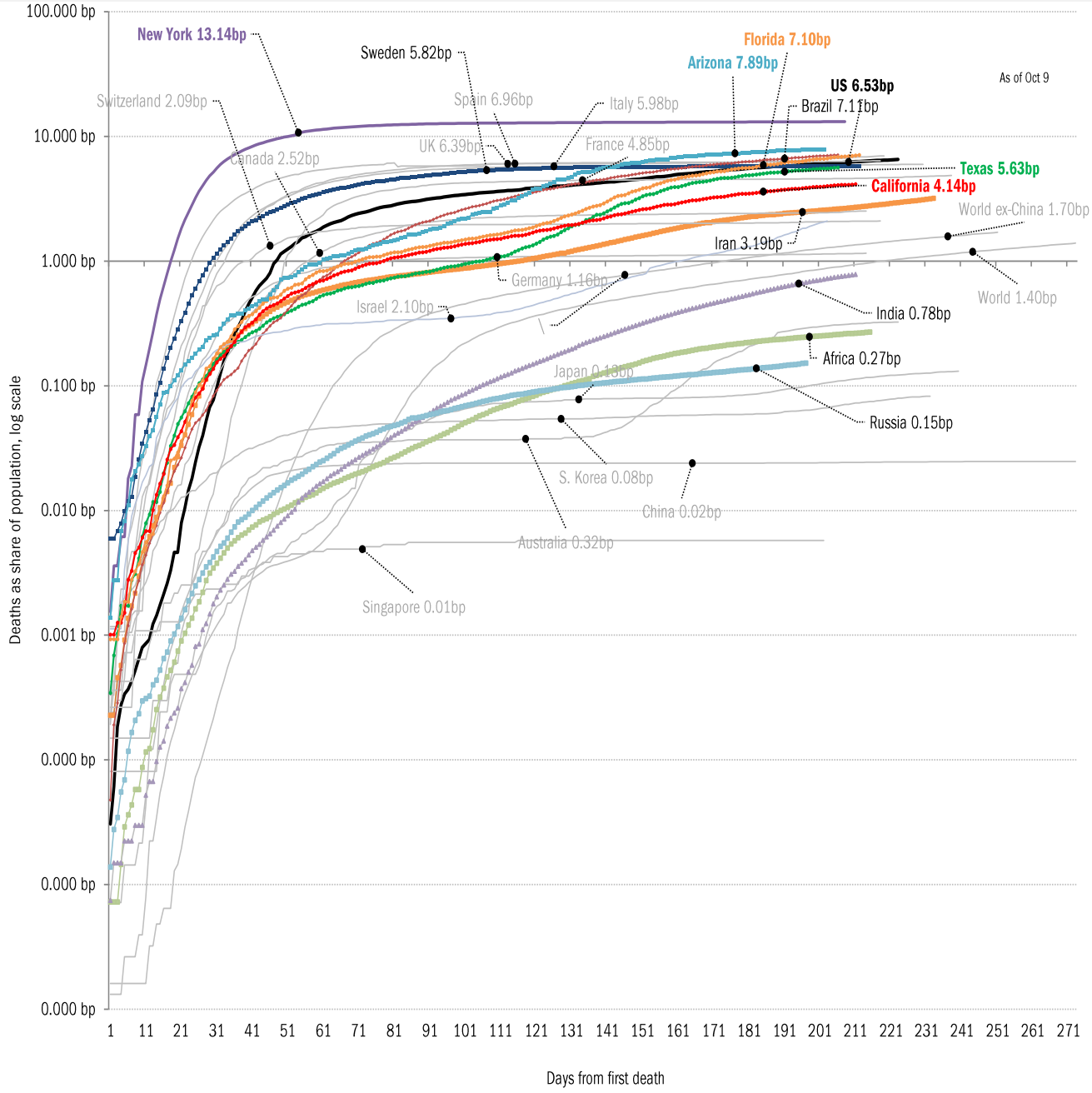
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

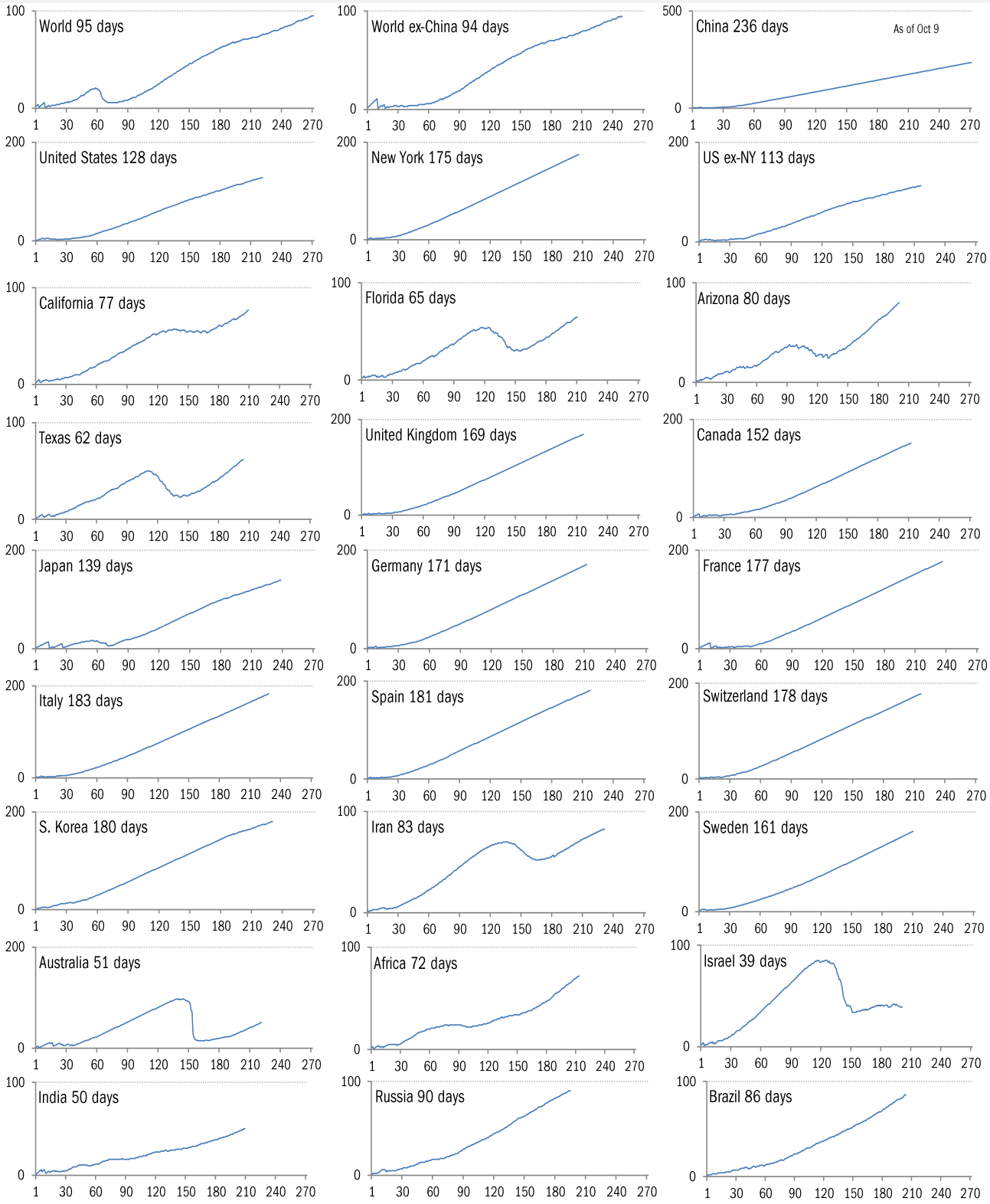


Source: ECDC, TrendMacro calculations

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

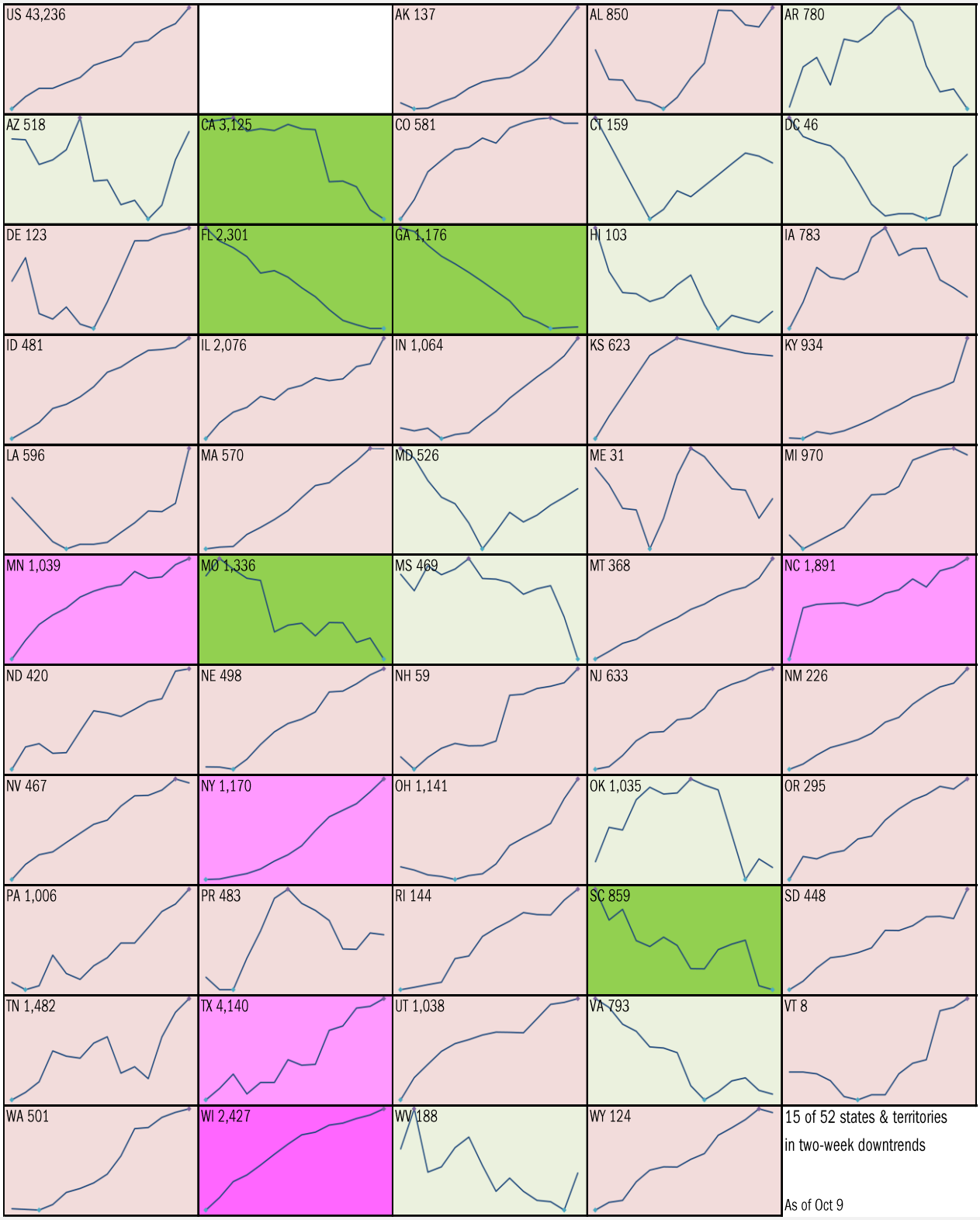


Source: ECDC, TrendMacro calculations

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

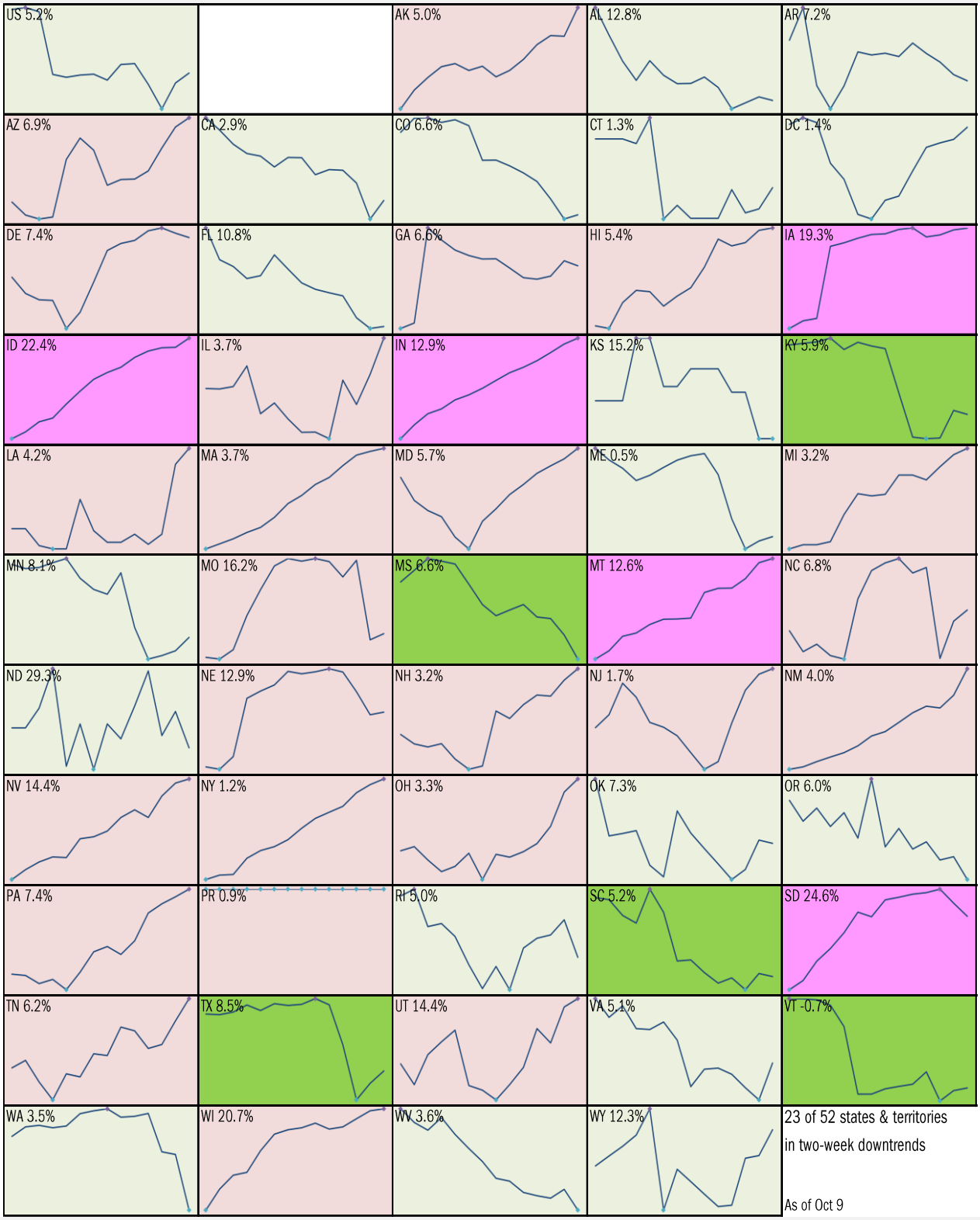


Source: Covid Tracking Project, TrendMacro calculations

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

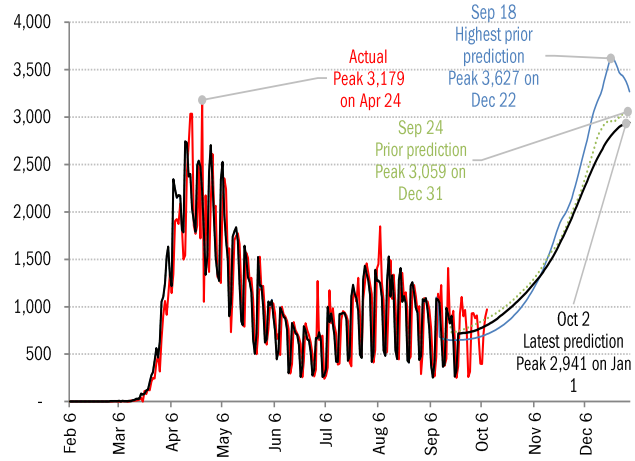


Source: Covid Tracking Project, TrendMacro calculations

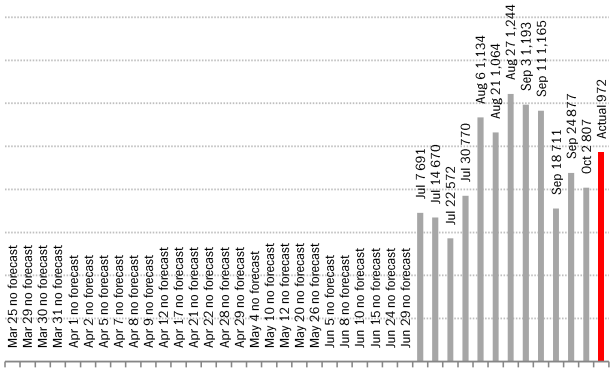
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Oct 9

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

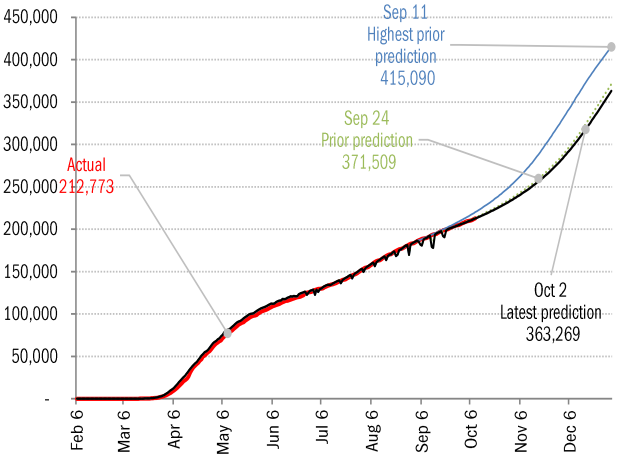


For this day, versus all model mean predictions

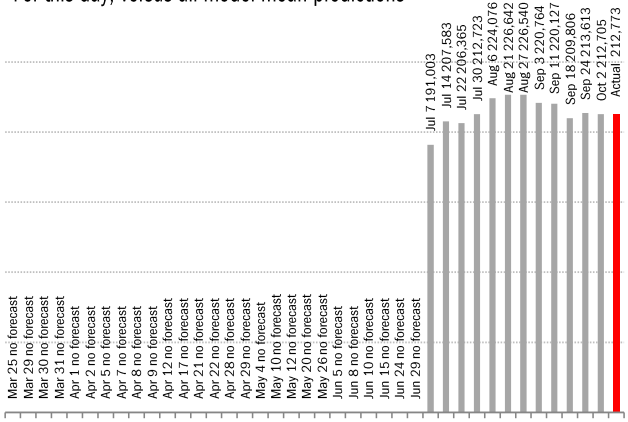


Cumulative fatalities

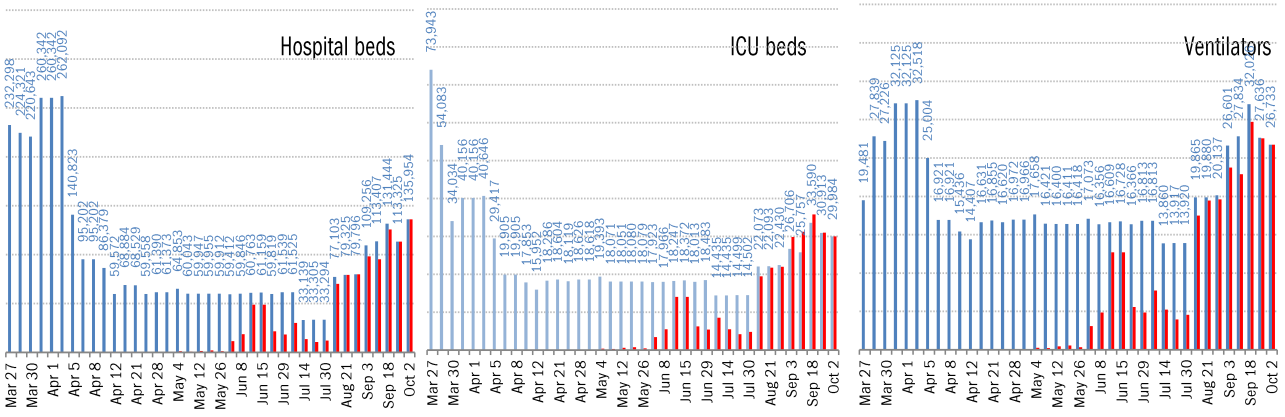
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

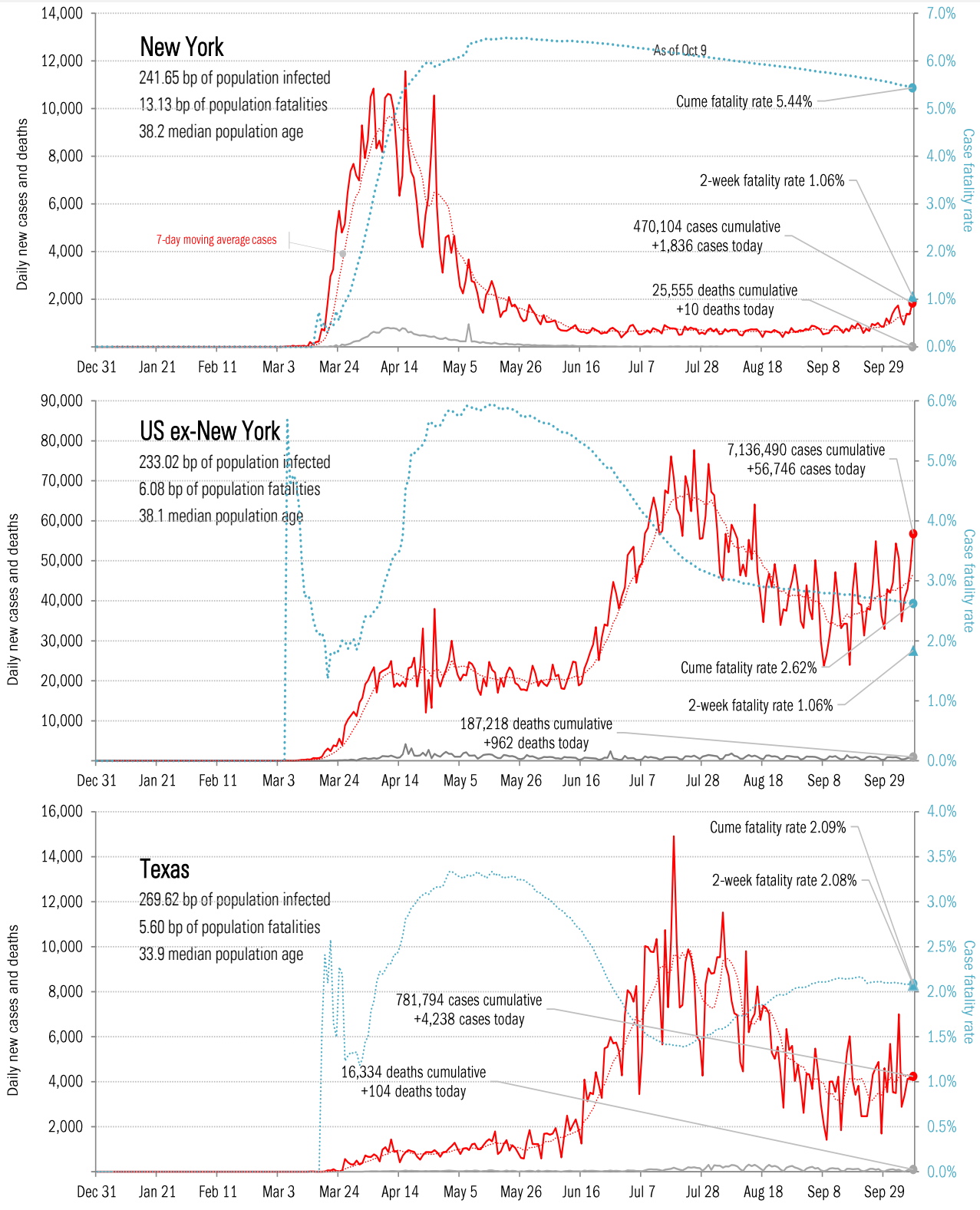


Healthcare system stress, peak and ultimate estimated at each model revision



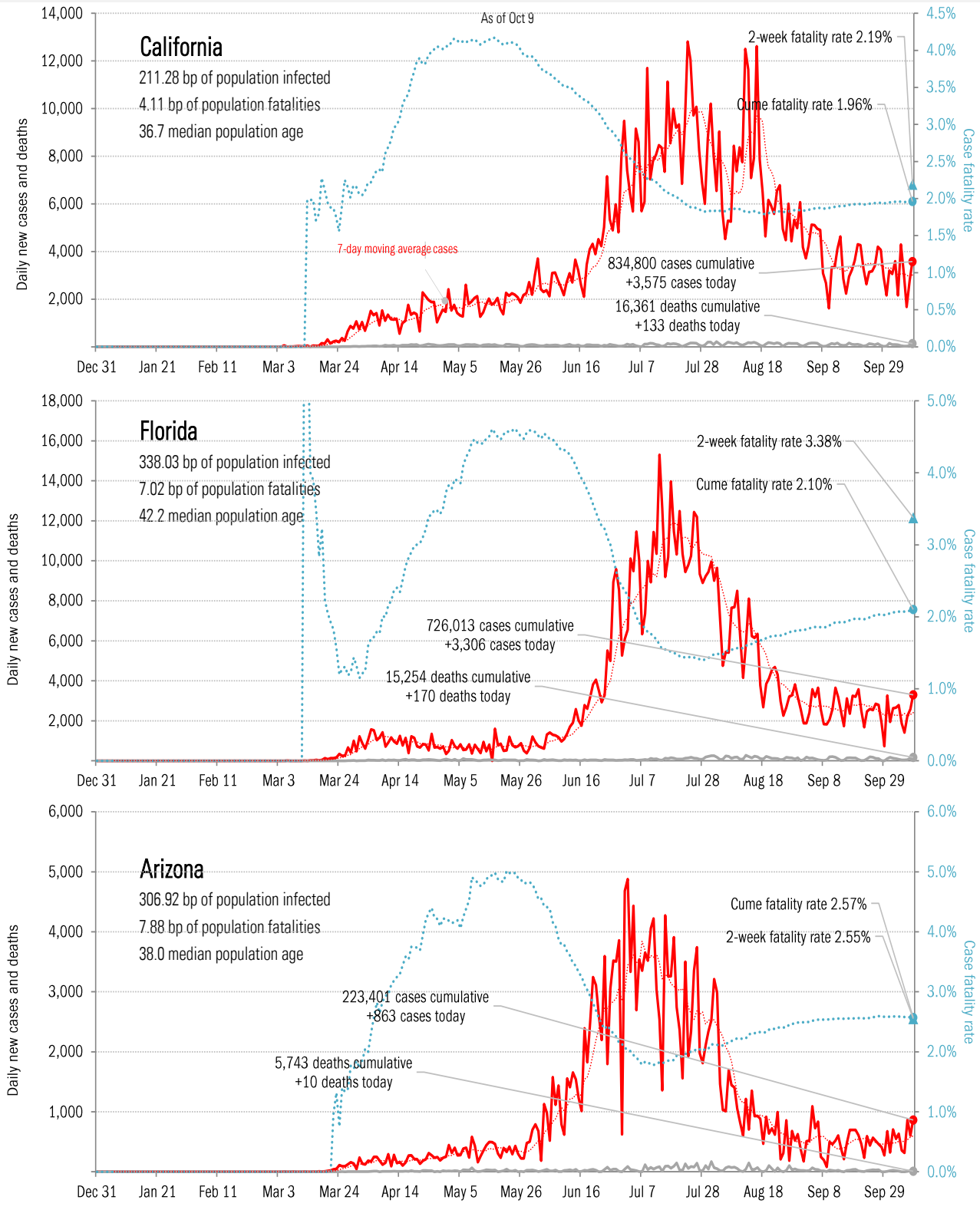
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



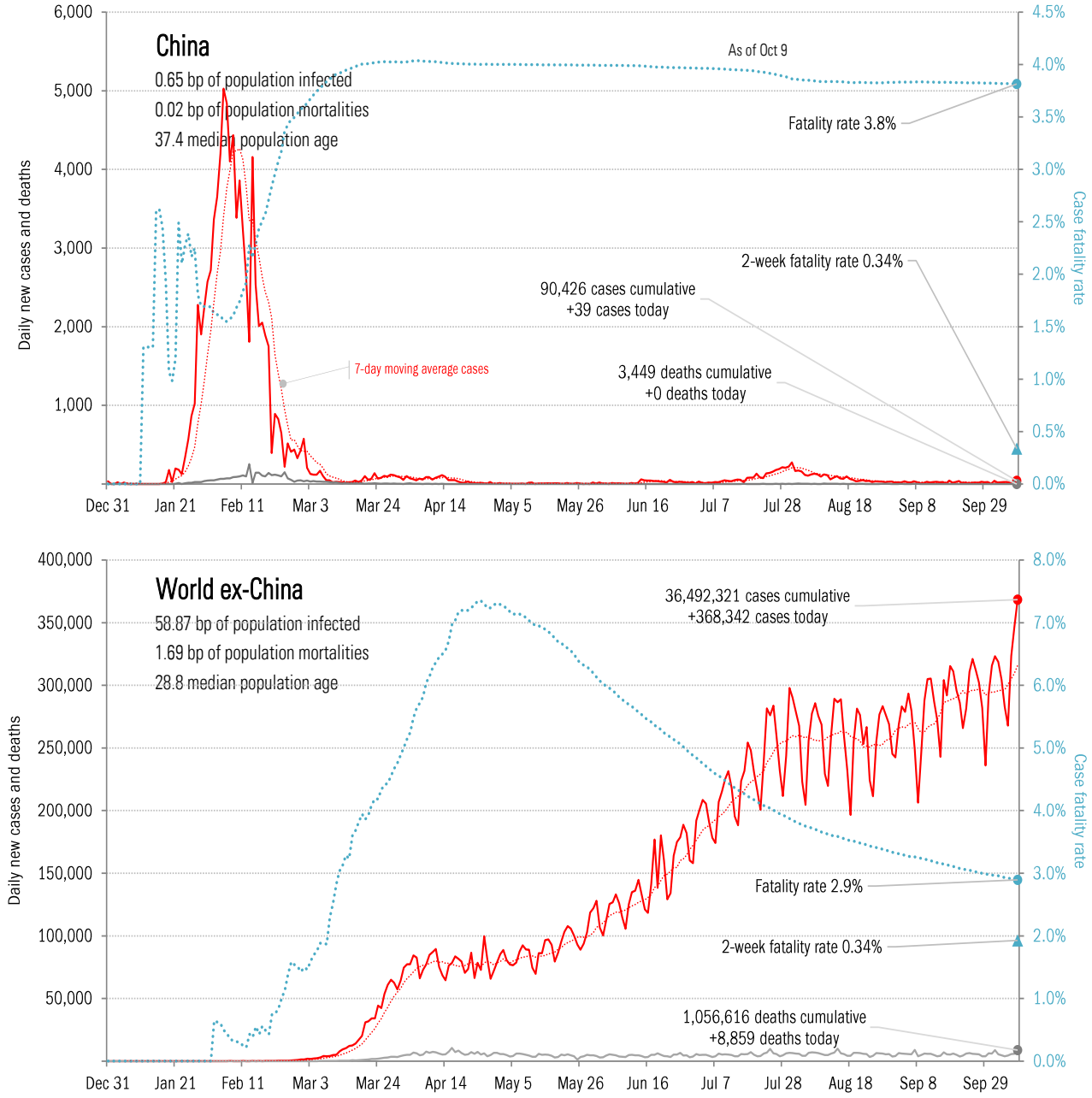
Source: ECDC, TrendMacro calculations

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



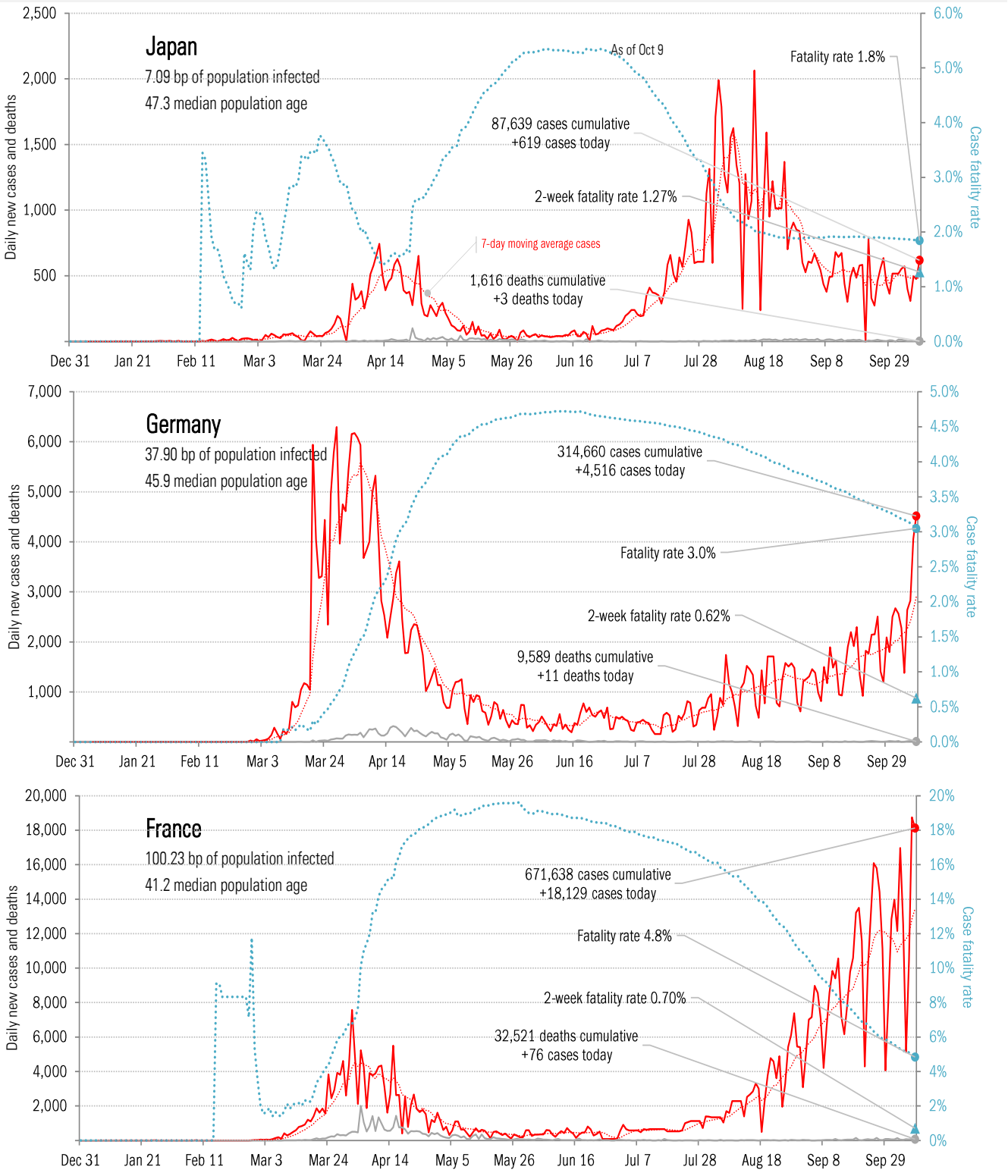
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



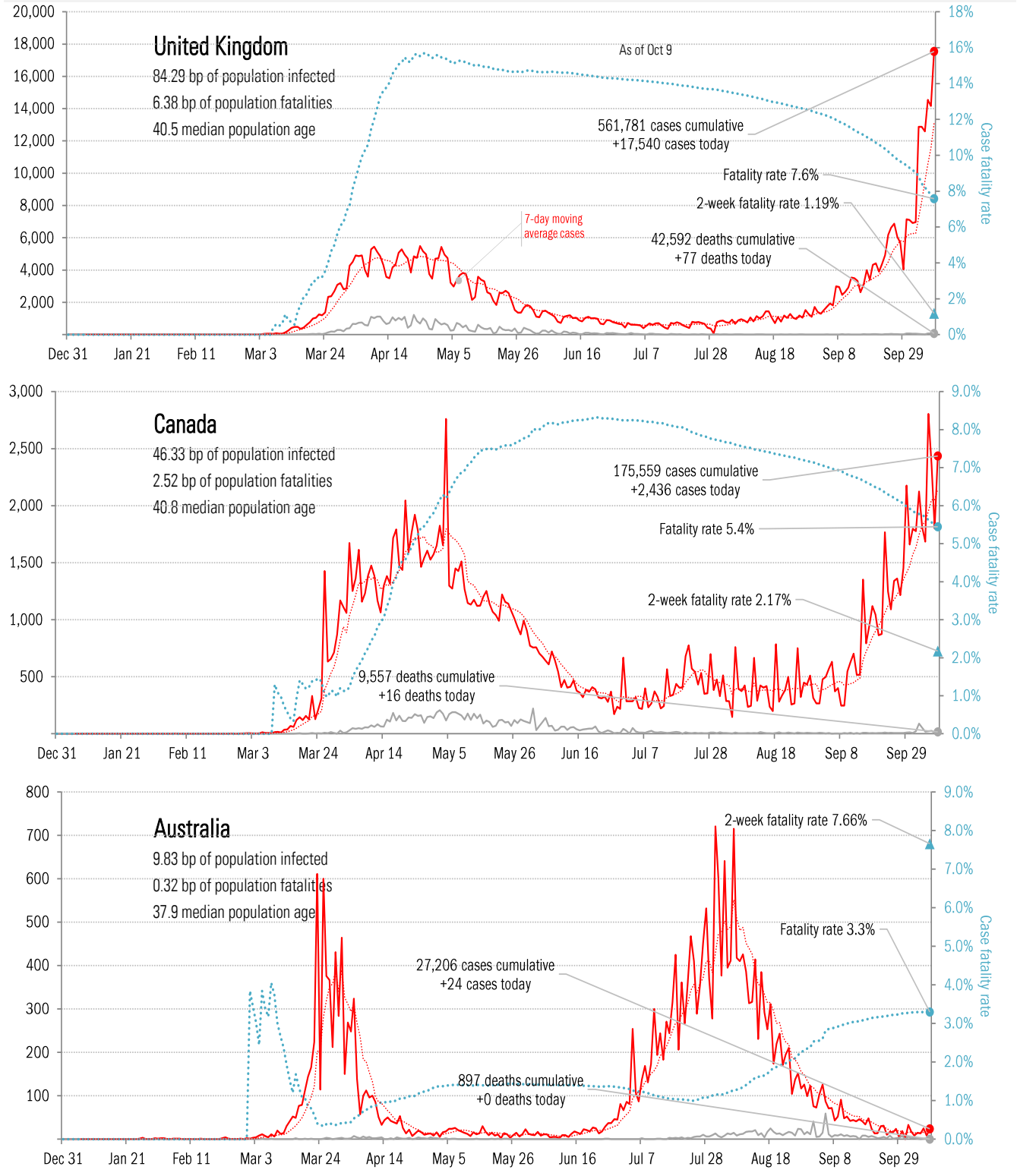
Source: ECDC, TrendMacro calculations

Impact in the largest economies



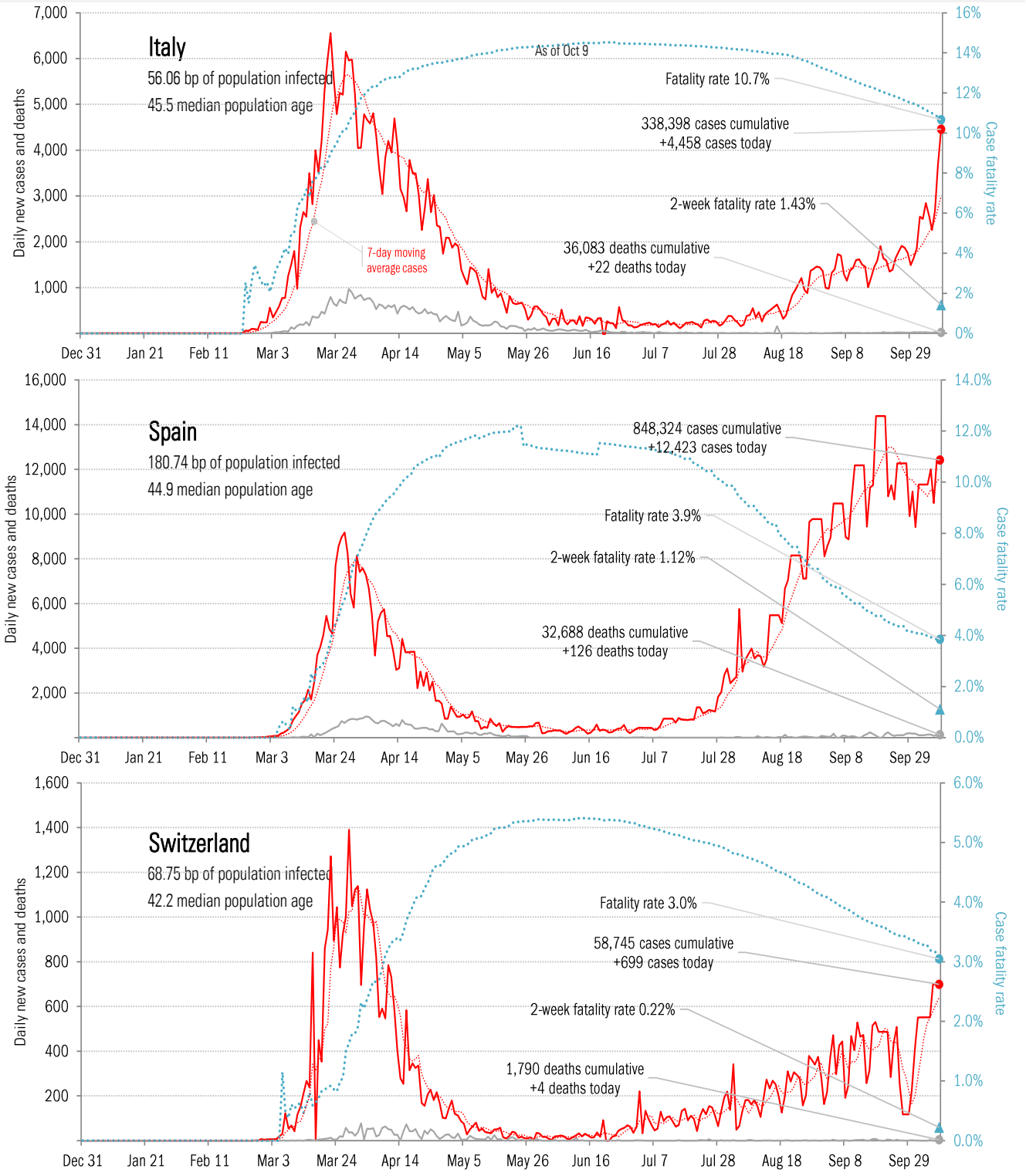
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



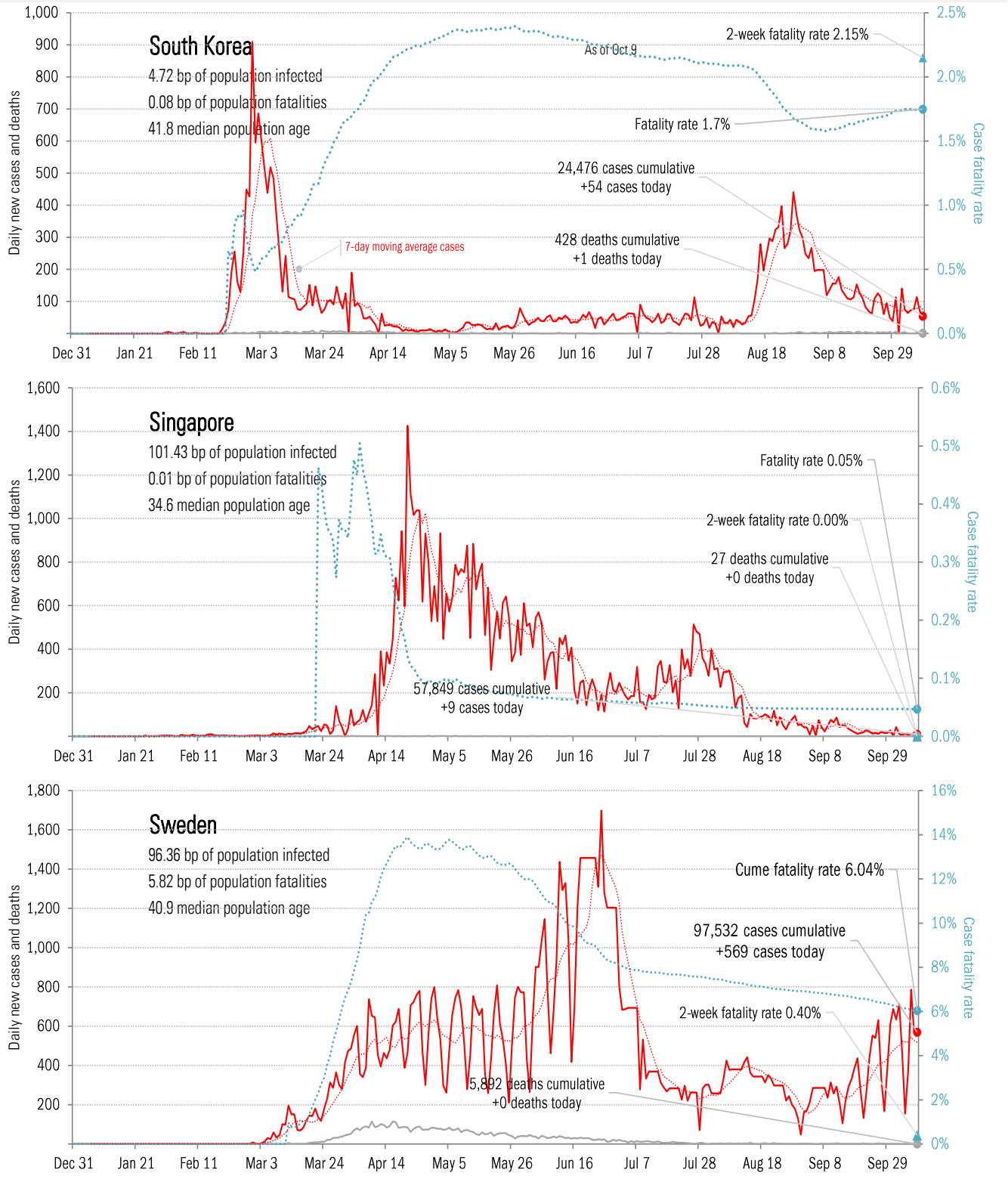
Source: ECDC, TrendMacro calculations

Impact in continental Europe



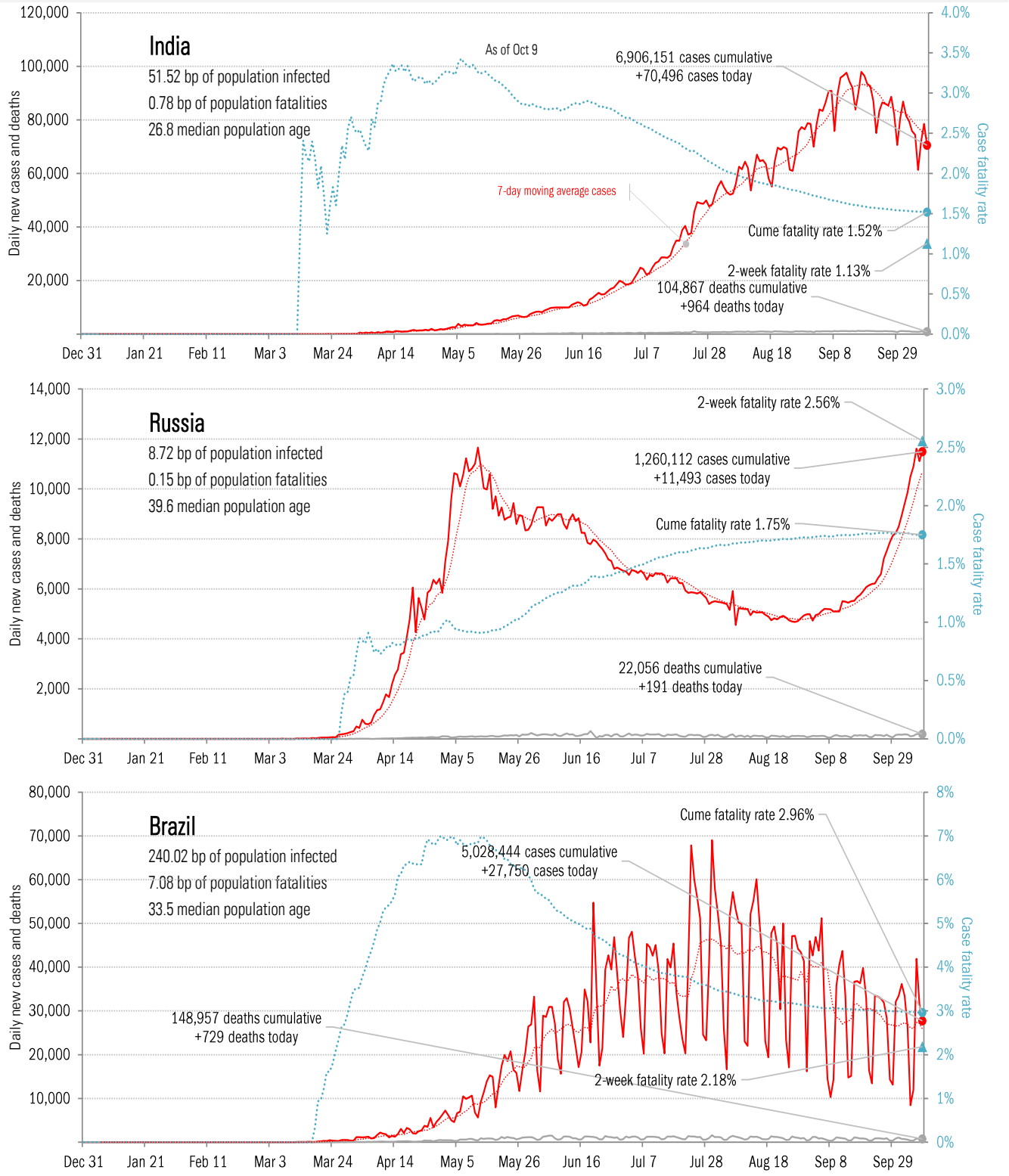
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



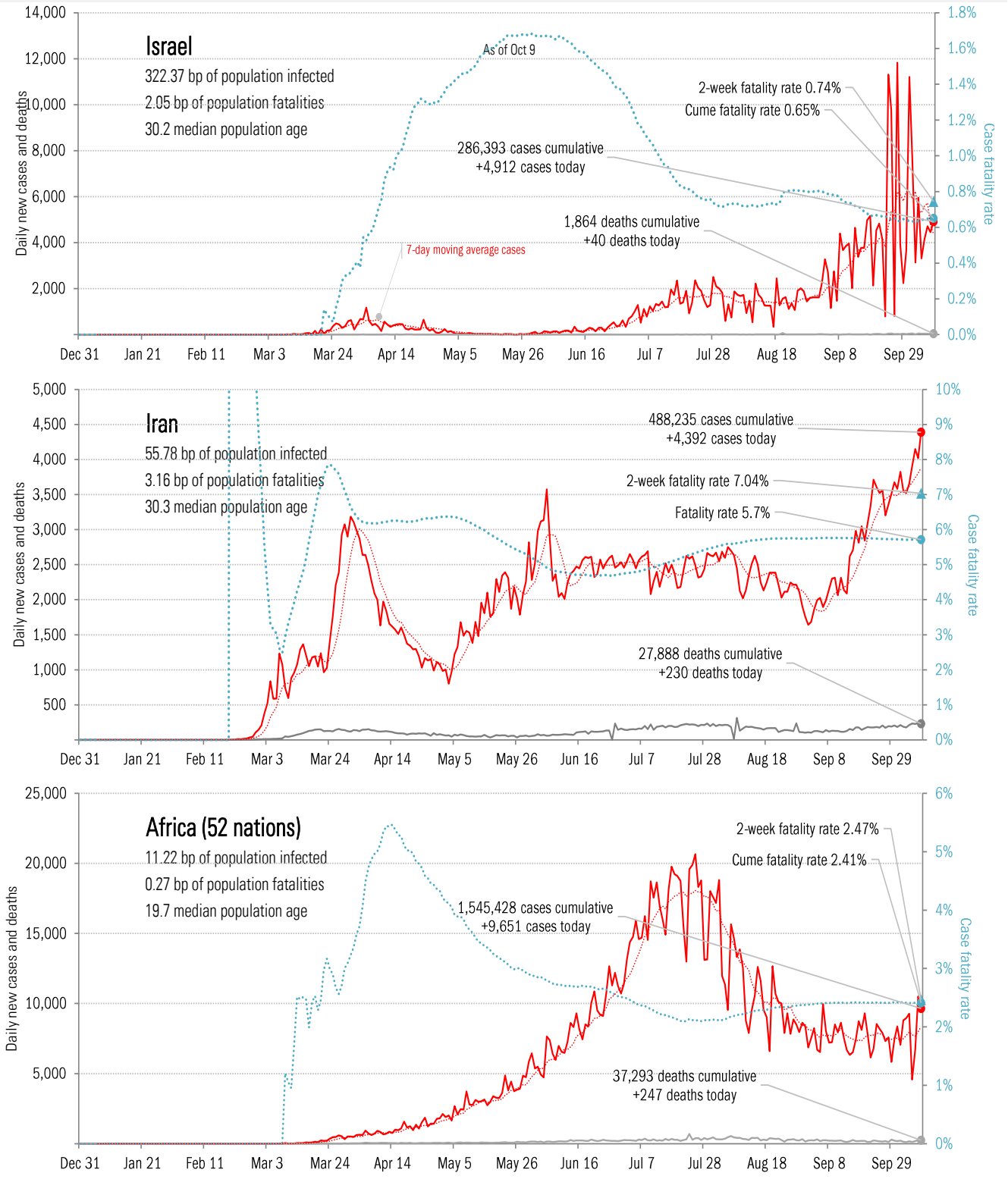
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations