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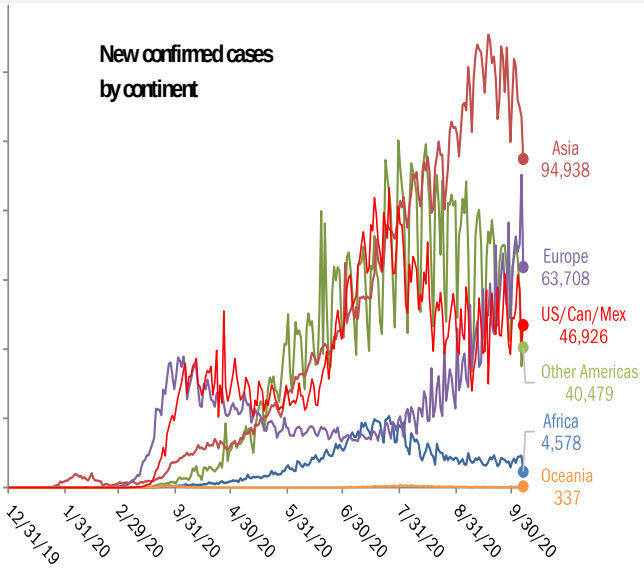
Data Insights: Covid-2019 Monitor

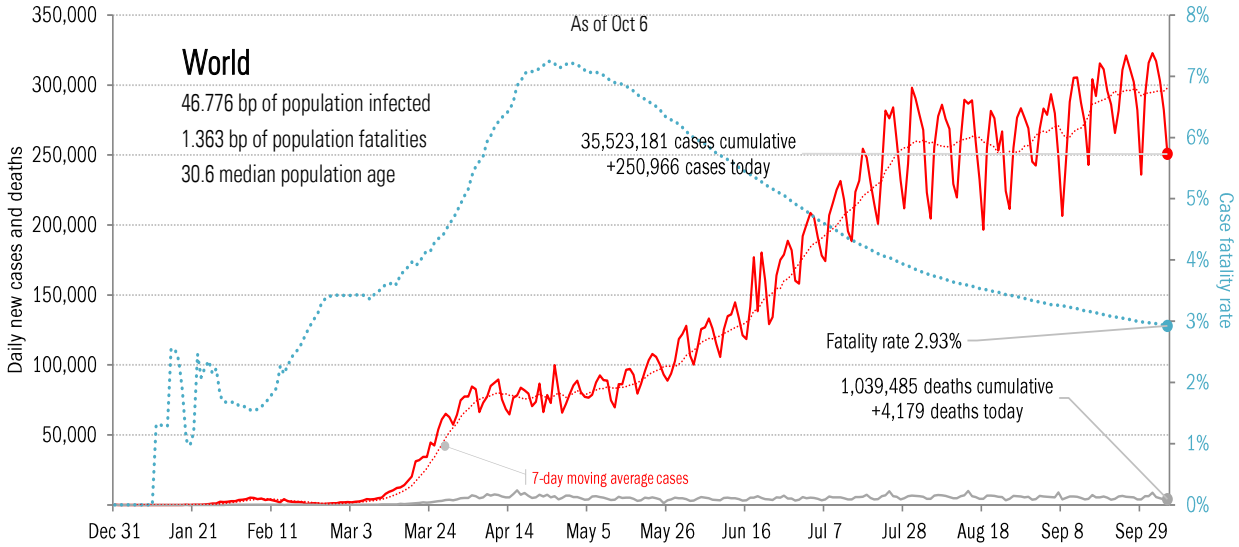
Tuesday, October 6, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+61,267	India	+884
US	+40,705	Argentina	+450
Brazil	+11,946	US	+398
Spain	+11,325	Brazil	+323
Argentina	+11,242	Iran	+235
Russia	+10,888	Mexico	+180
Colombia	+7,106	Colombia	+132
UK	+6,968	Russia	+117
France	+5,104	Indonesia	+102
Netherlands	+4,572	Romania	+101
	+171,123		+2,922
World	+250,966	World	+4,179
Top ten	68%	Top ten	70%





Source: ECDC, TrendMacro calculations

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The US scorecard

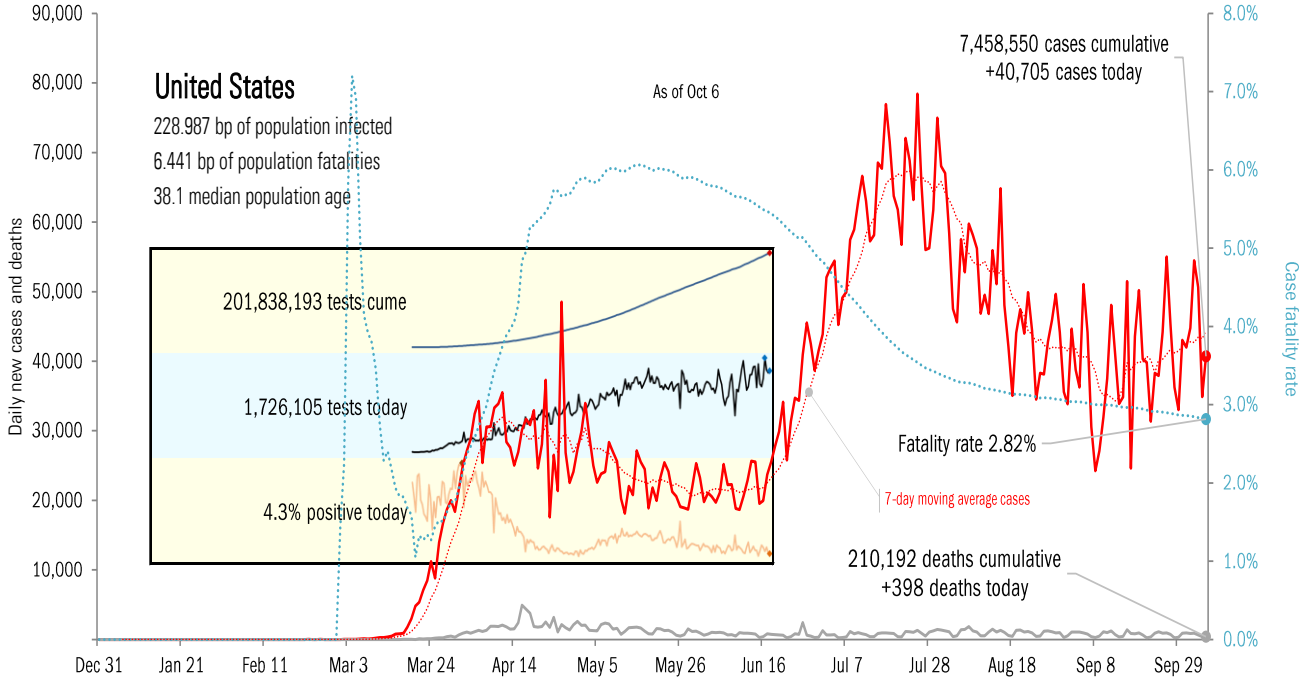
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
TX	+3,409	FL	+41	MN	+367	CA	826,784	NY	25,527	TX	3,318
CA	+3,055	GA	+30	TX	+126	TX	769,303	CA	16,149	CA	3,146
TN	+2,489	CA	+29	IL	+110	FL	717,874	NJ	16,138	FL	2,118
NC	+2,258	AR	+22	FL	+78	NY	465,515	TX	16,033	GA	1,822
IL	+1,853	MA	+20	TN	+75	GA	323,714	FL	14,886	IL	1,631
WI	+1,727	TN	+20	IN	+69	IL	306,133	MA	9,530	IN	1,019
KS	+1,597	MI	+15	WI	+68	AZ	221,070	IL	9,054	TN	975
MI	+1,455	IL	+14	NC	+64	NC	219,754	PA	8,227	NC	971
FL	+1,415	PA	+11	GA	+58	NJ	208,713	GA	7,192	VA	925
UT	+1,105	LA	+9	VA	+48	TN	203,699	MI	7,139	AL	791
	+20,363		+211		+1,063		4,262,559		129,875		16,716
All states	+38,103	All states	+325	All states	+155	All states	7,421,943	All states	202,040	All states	30,099
Top ten	53%	Top ten	65%	Top ten	686%	Top ten	57%	Top ten	64%	Top ten	56%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
PA	-1,579	TX	-25	MO	-1,137	AR	+5
CA	-1,238	LA	-23	PA	-39	KS	+2
LA	-675	CA	-17	KY	-37	AL	+1
FL	-453	HI	-8	CA	-33	AK	+0
VA	-380	SC	-8	OH	-29	AS	+0



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

Recommended reading

[Trump supporters close 5th Ave. to support COVID-19-stricken president]
Georgett Roberts and Lee Brown
New York Post
October 4, 2020

[Colorado officials urge parents to enroll kids in schools]
Derek Draplin
Washington Examiner
September 30, 2020

[Dalton Parents Revolt Over Prep School's $54,180 Online Classes]
Amanda L Gordon
Bloomberg
October 5, 2020

[Neil Ferguson's doomsday prediction of 510k COVID deaths went unchallenged by Chris Whitty and Patrick Vallance - despite warnings it was 12 TIMES too high as No.10 panicked into full lockdown]
Glen Owen
Daily Mail
October 3, 2020

[How to Cover a Sick Old Man]
Ben Smith
New York Times
October 4, 2020

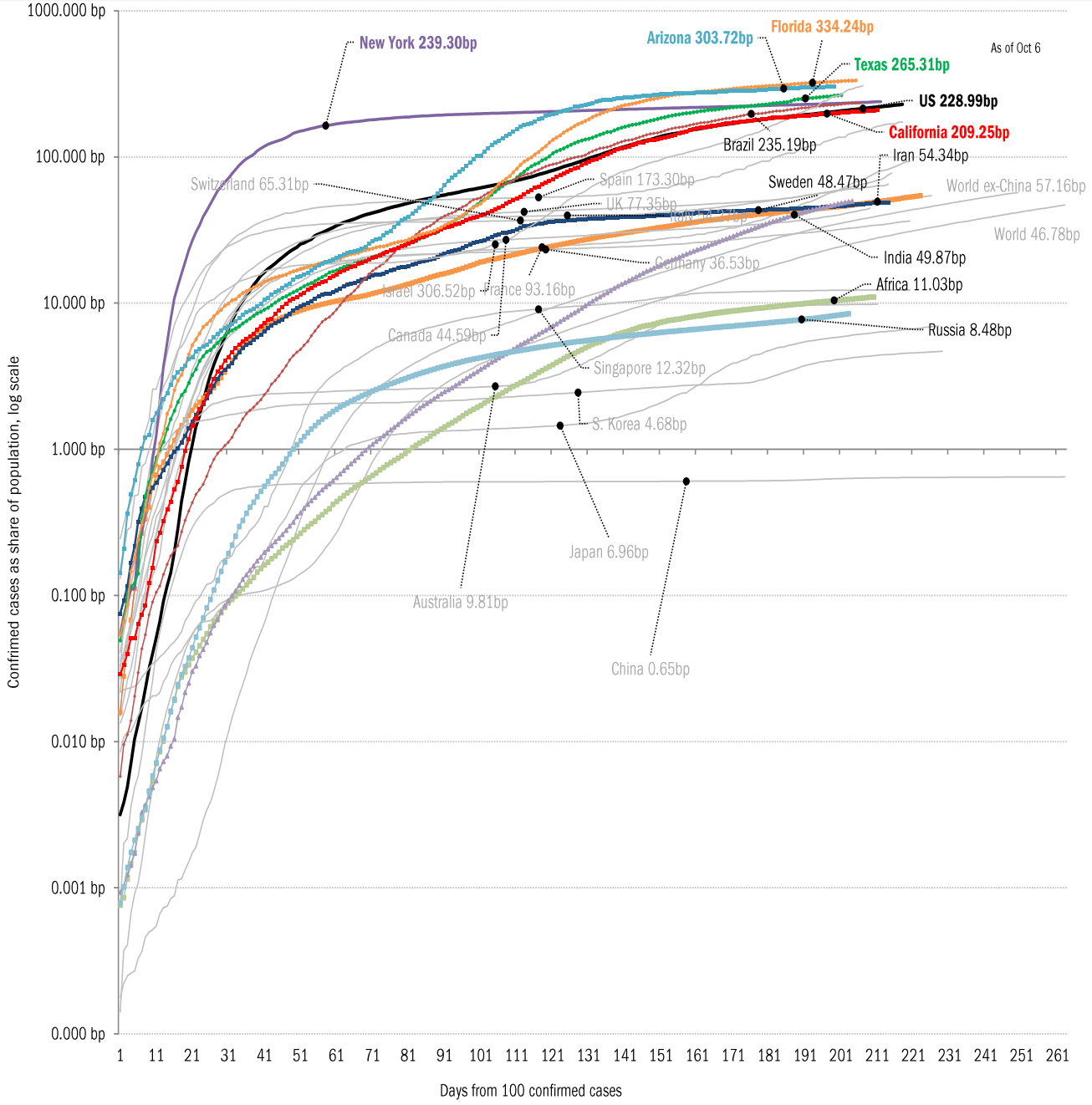
Meme of day

Governor Cuomo Generously Offers To Admit Trump To New York Nursing Home

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

The coronavirus case accelerometer… tracking the world's infection curves

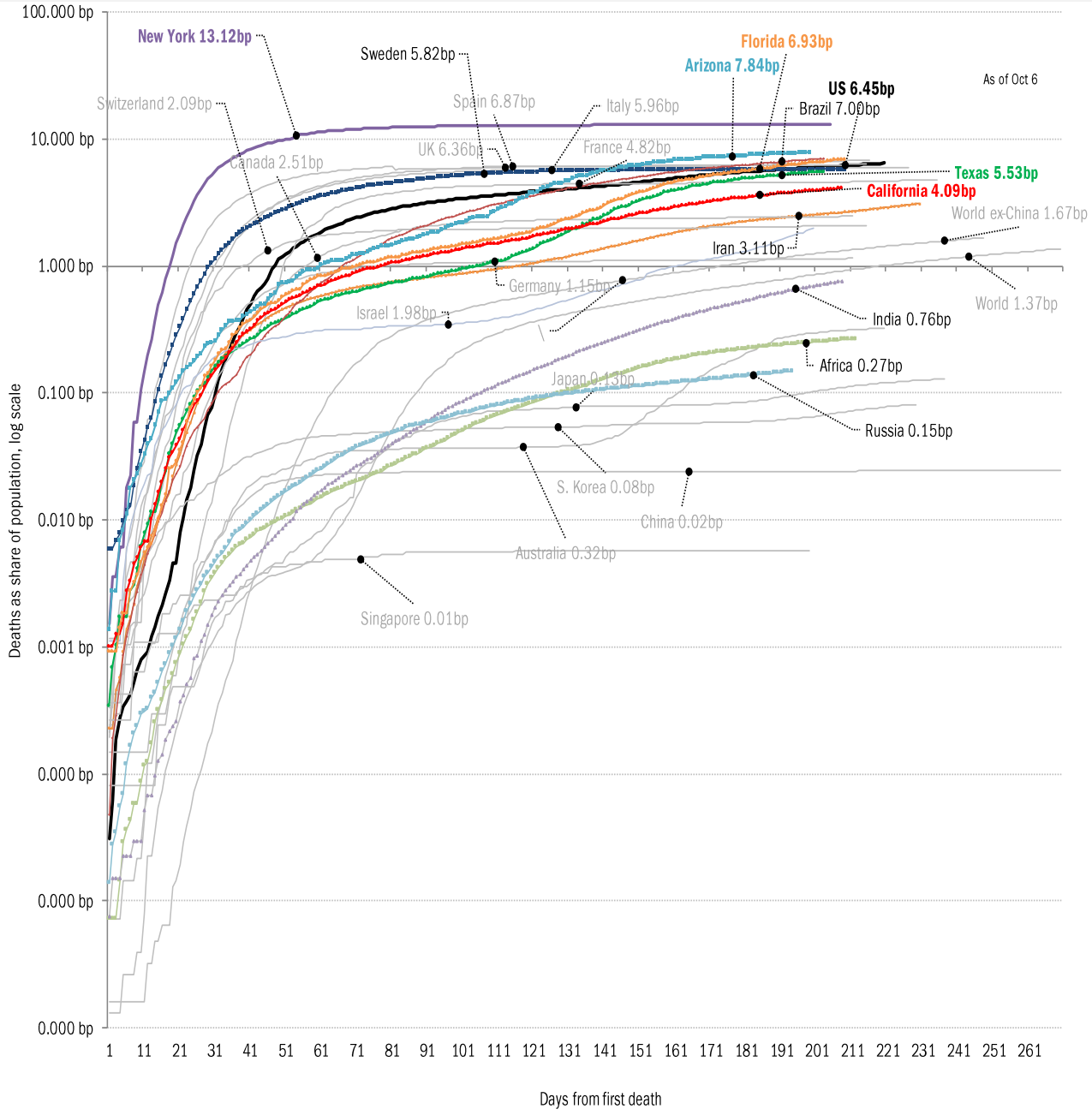
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

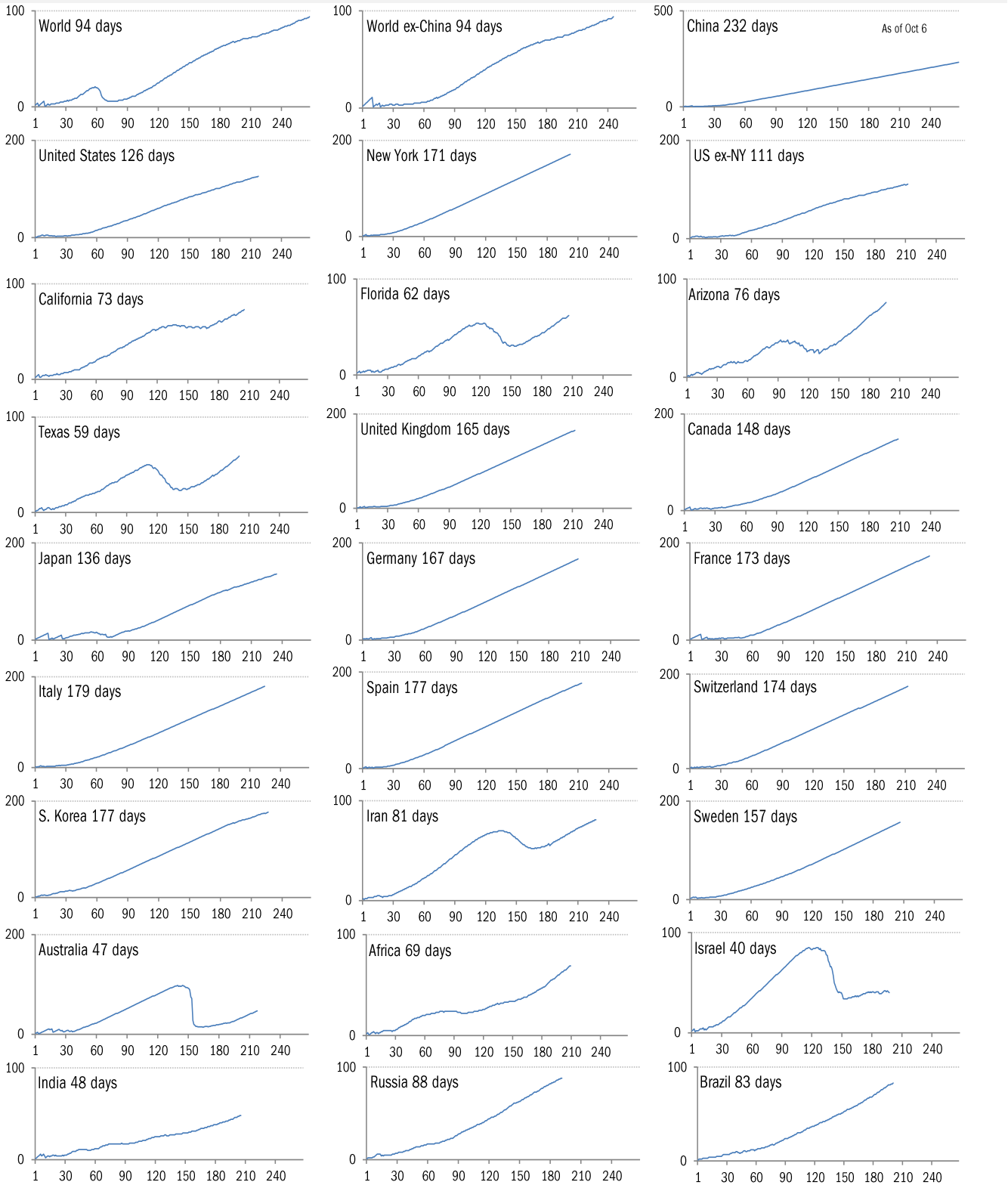


Source: ECDC, TrendMacro calculations

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

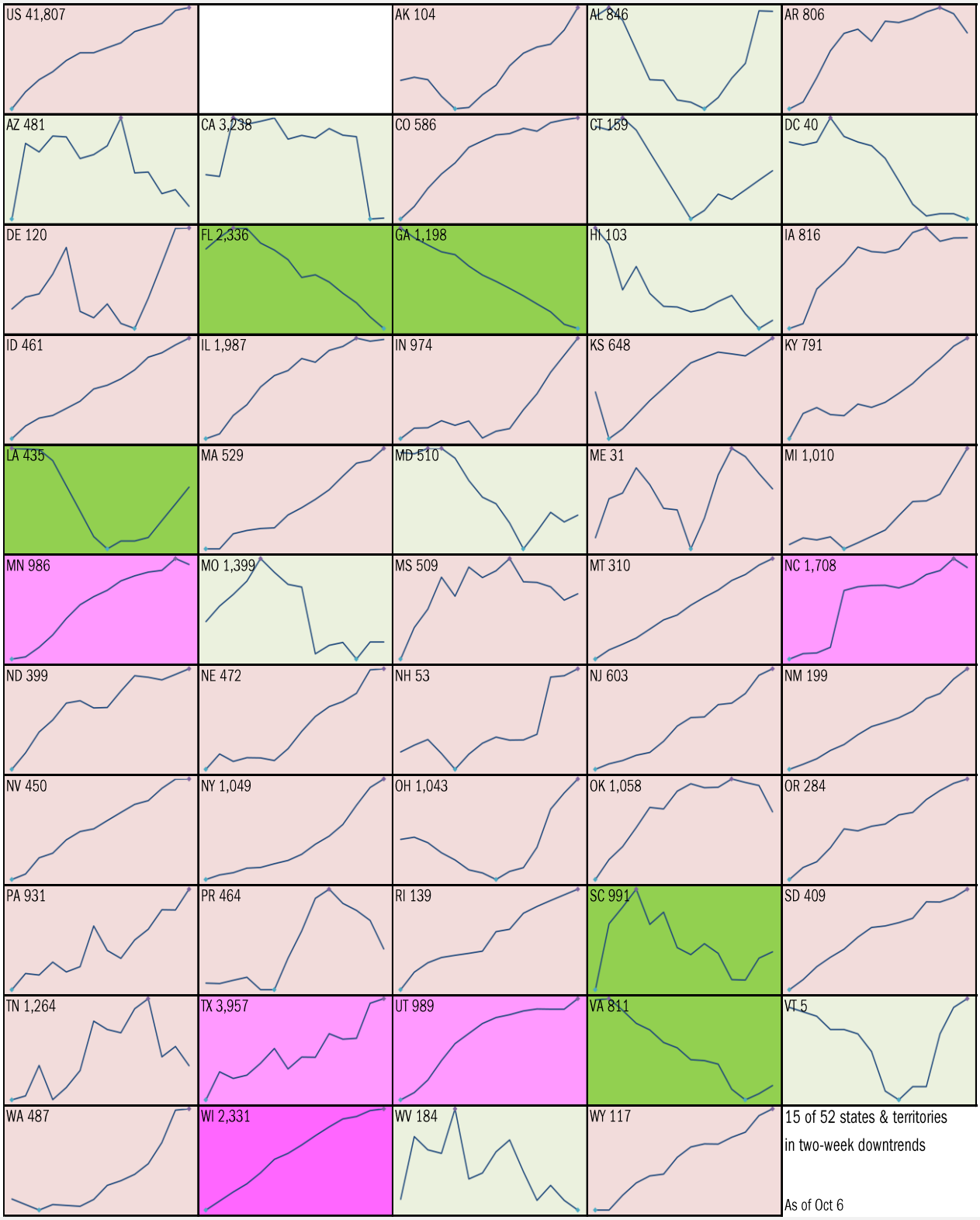


Source: ECDC, TrendMacro calculations

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

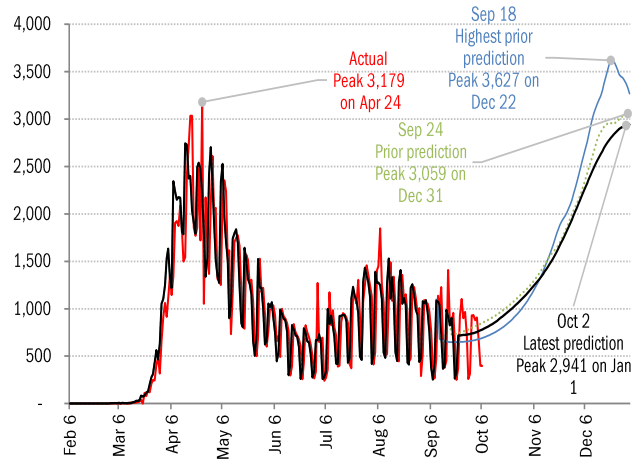
Downward trajectory Five best Upward trajectory Five worst

Source: Covid Tracking Project, TrendMacro calculations

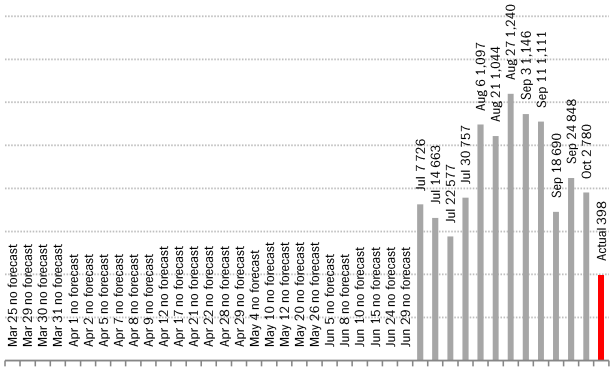
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Oct 6

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

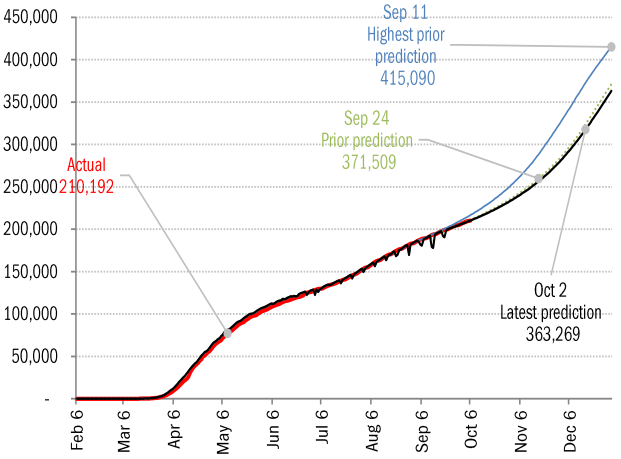


For this day, versus all model mean predictions

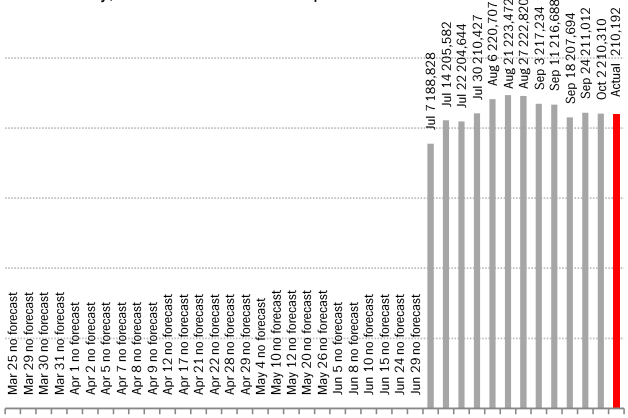


Cumulative fatalities

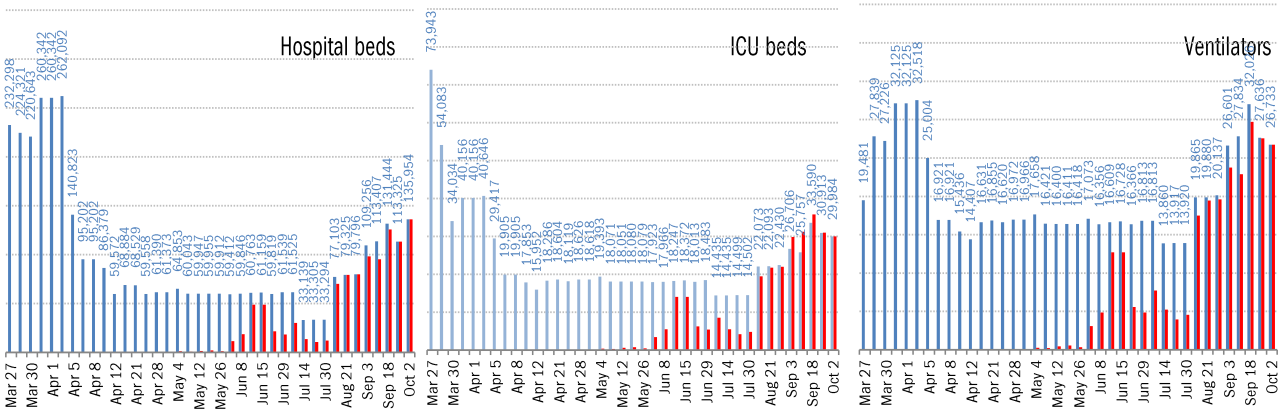
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

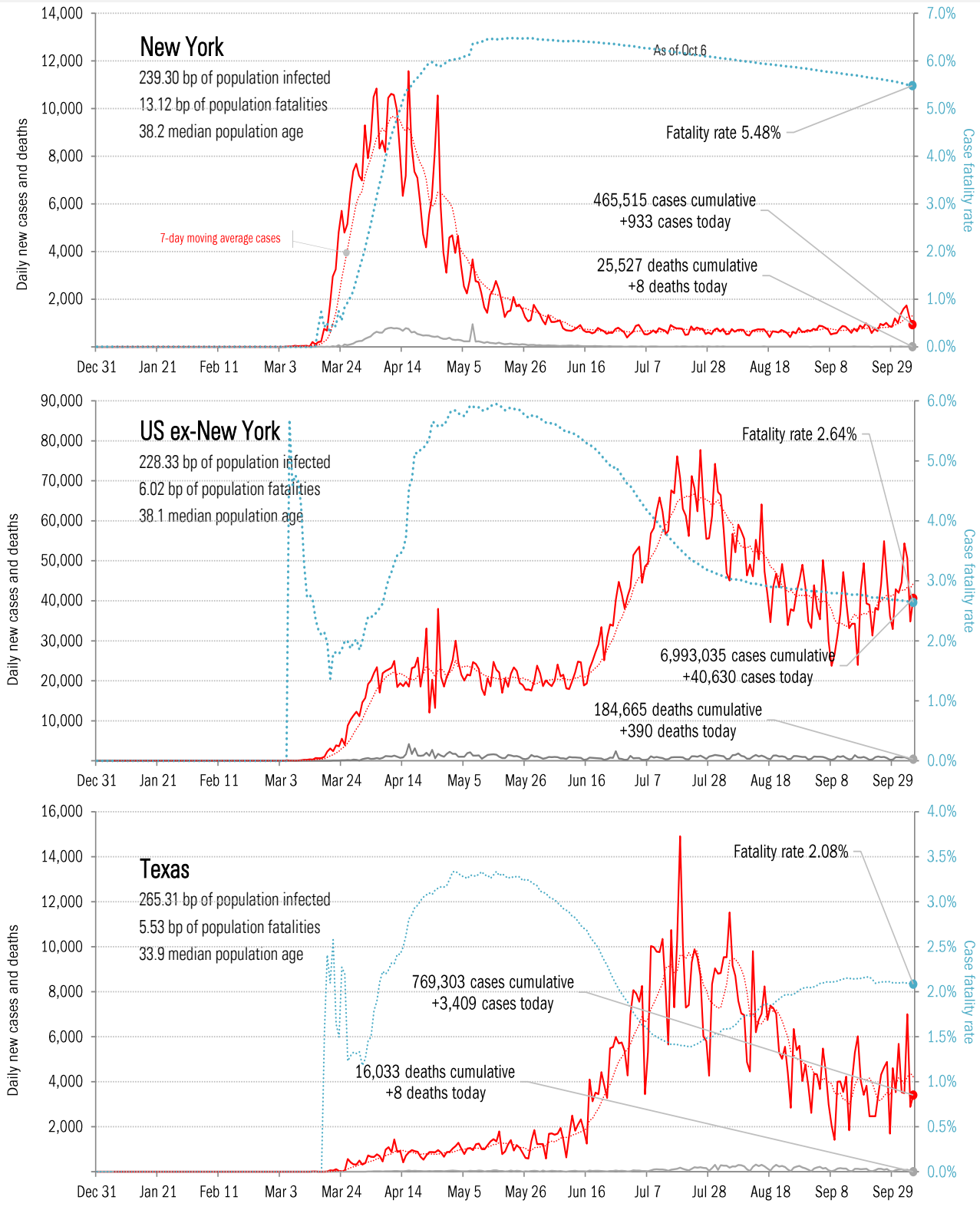


Healthcare system stress, peak and ultimate estimated at each model revision



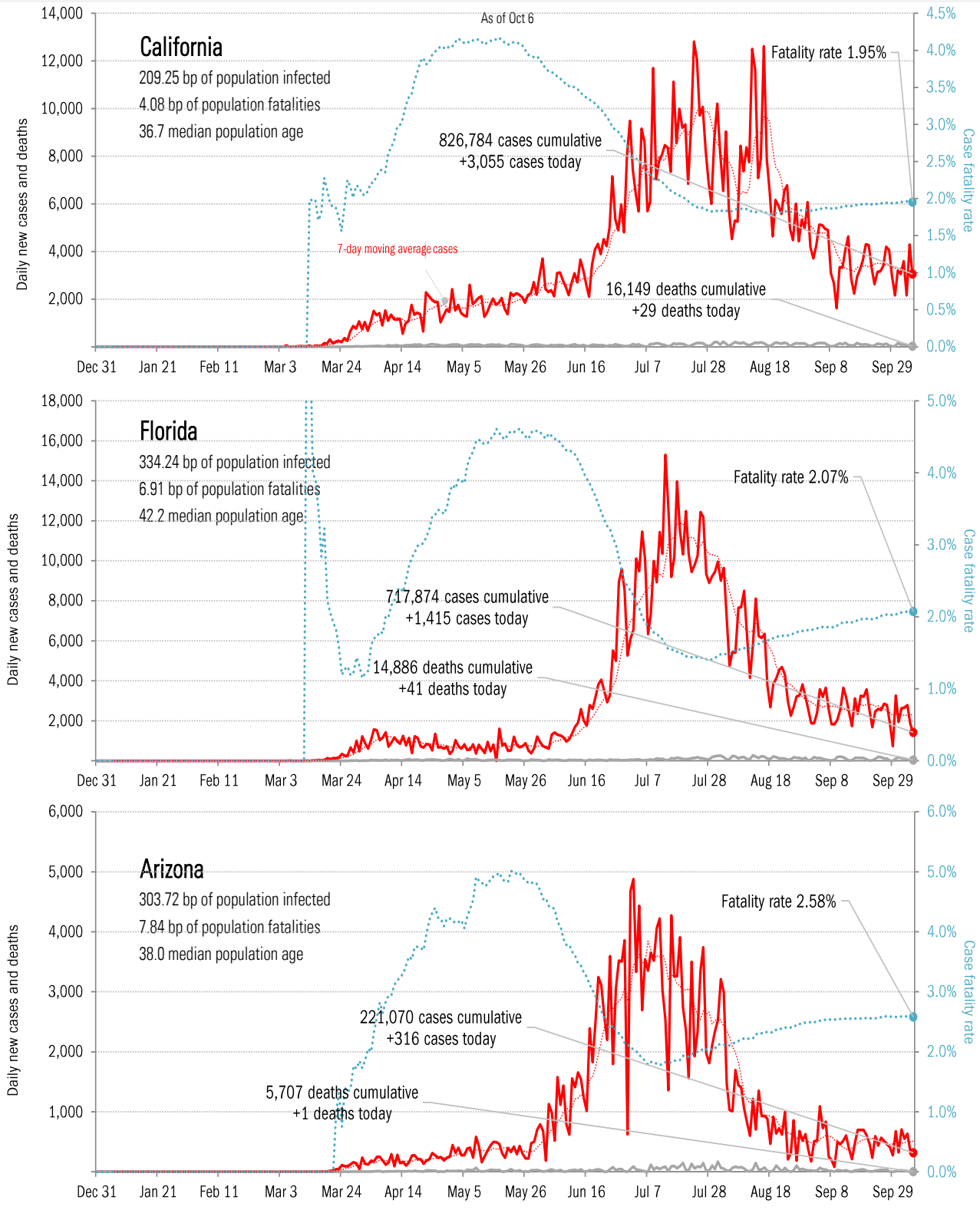
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



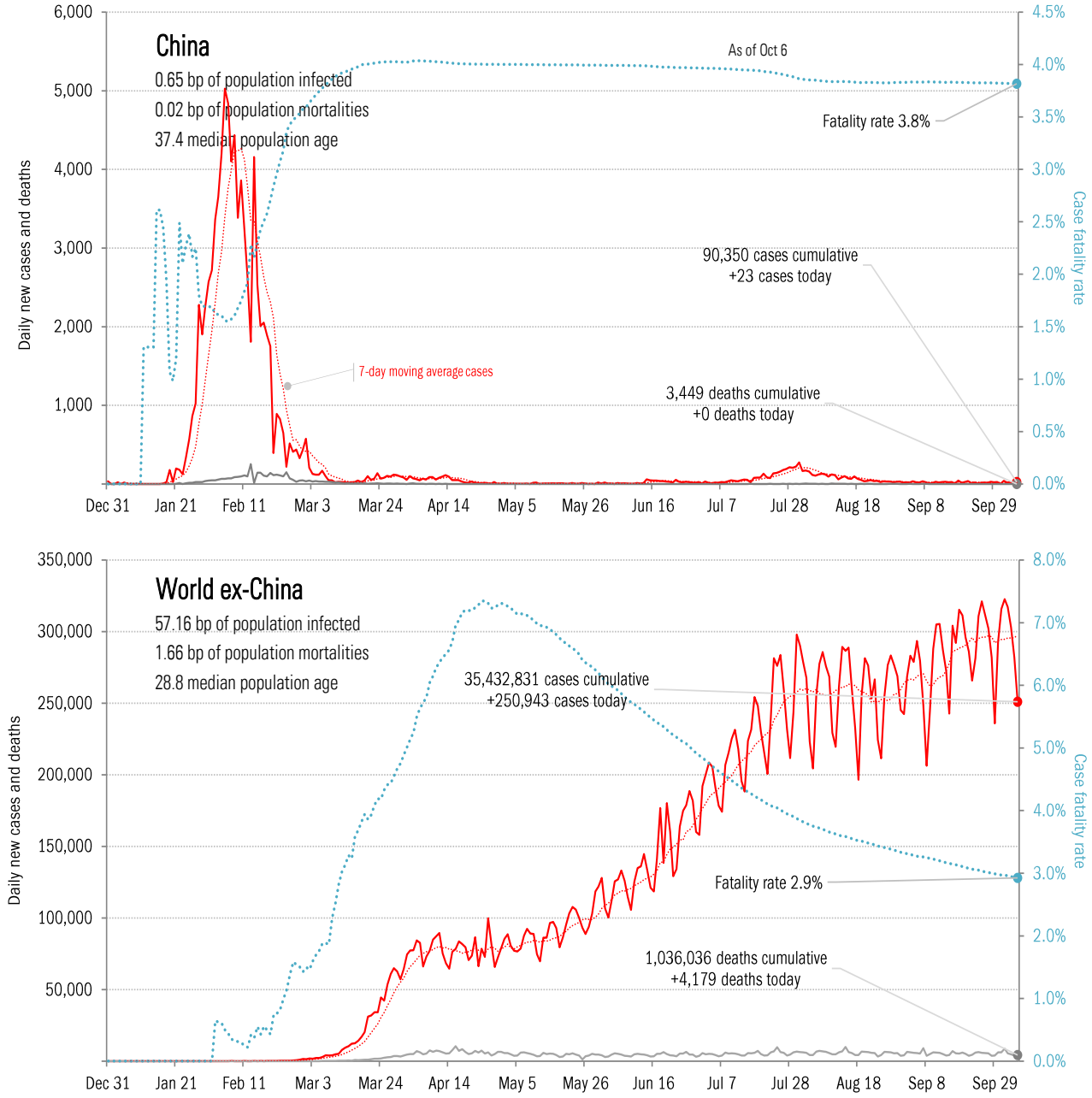
Source: ECDC, TrendMacro calculations

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



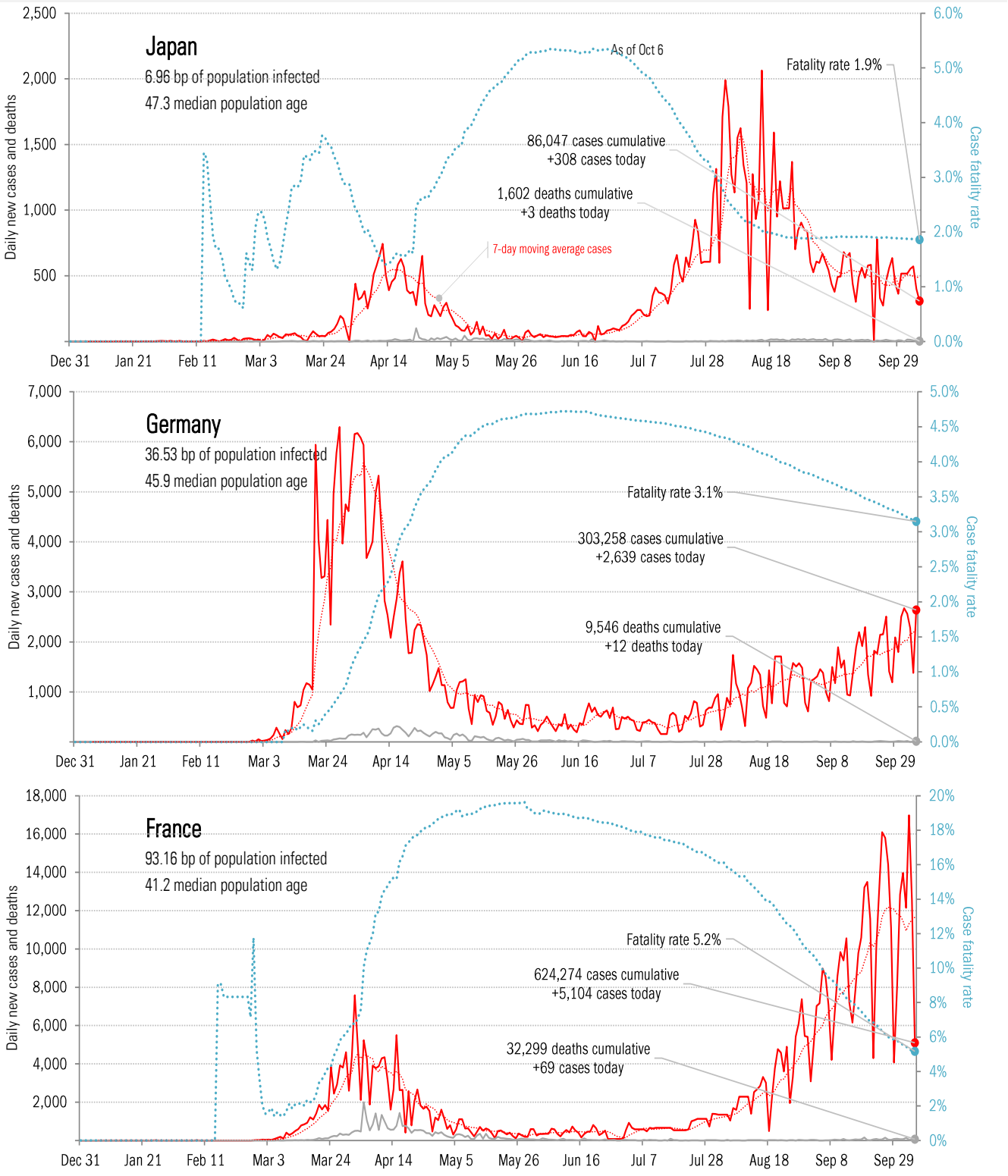
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



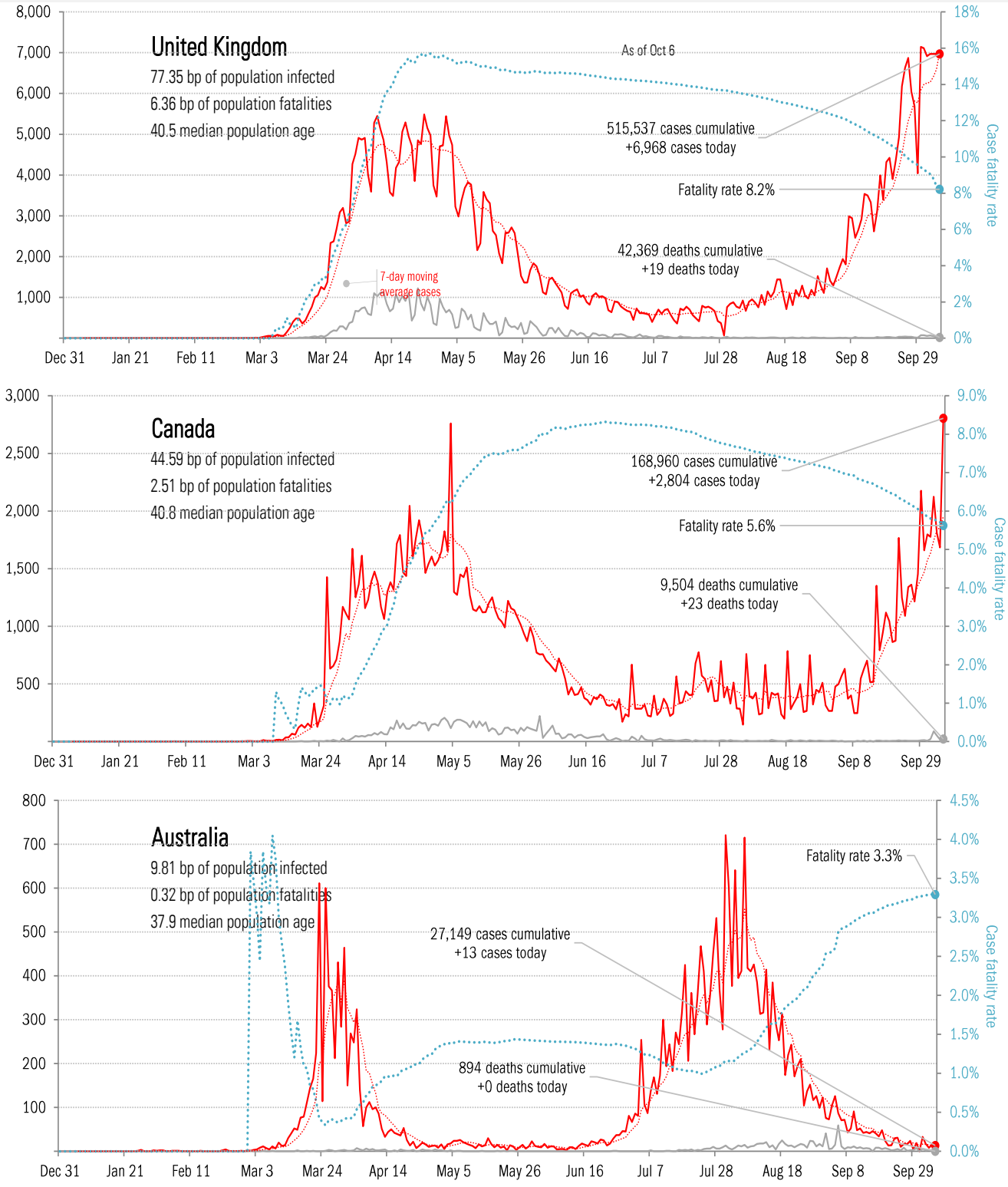
Source: ECDC, TrendMacro calculations

Impact in the largest economies



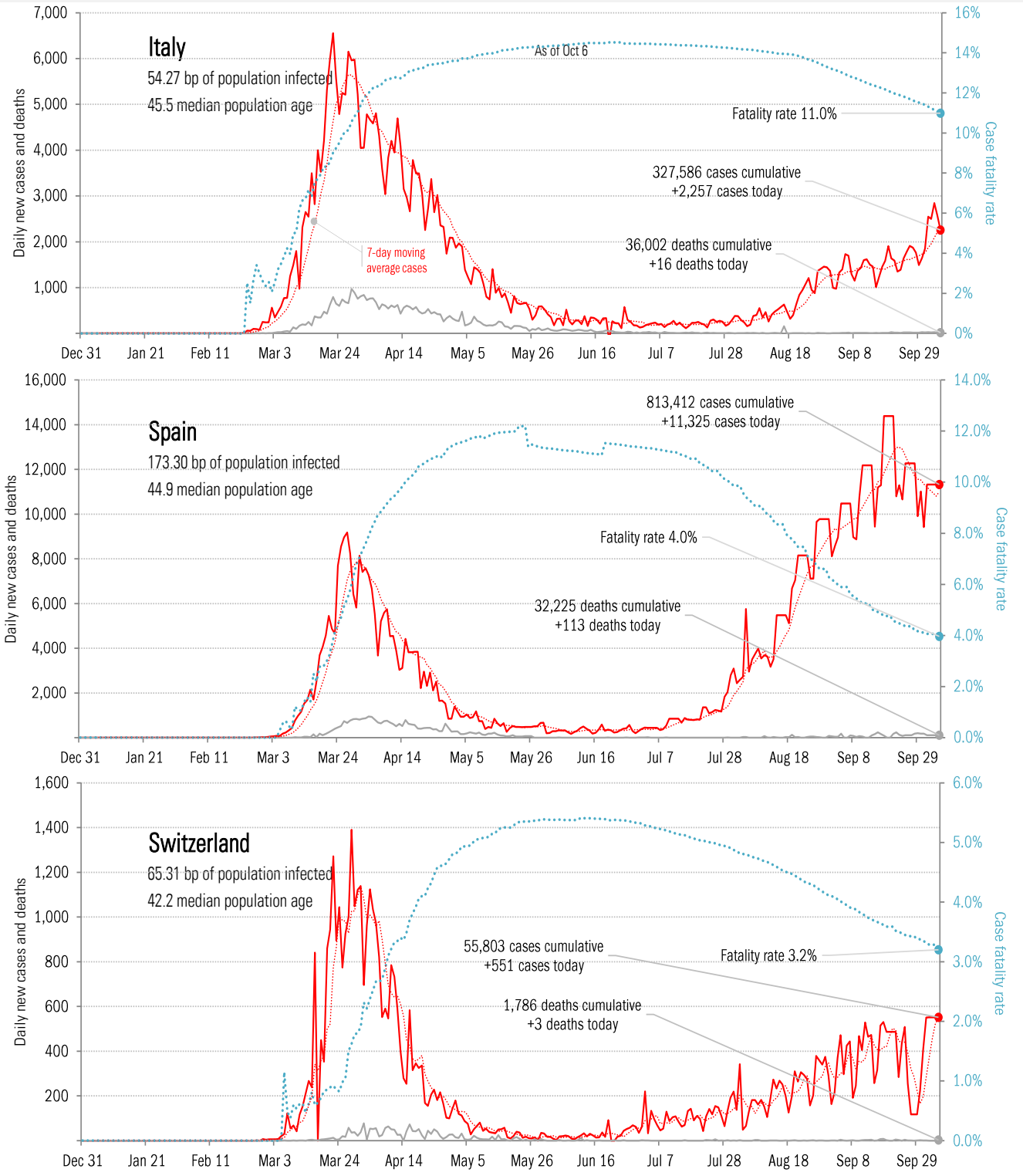
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



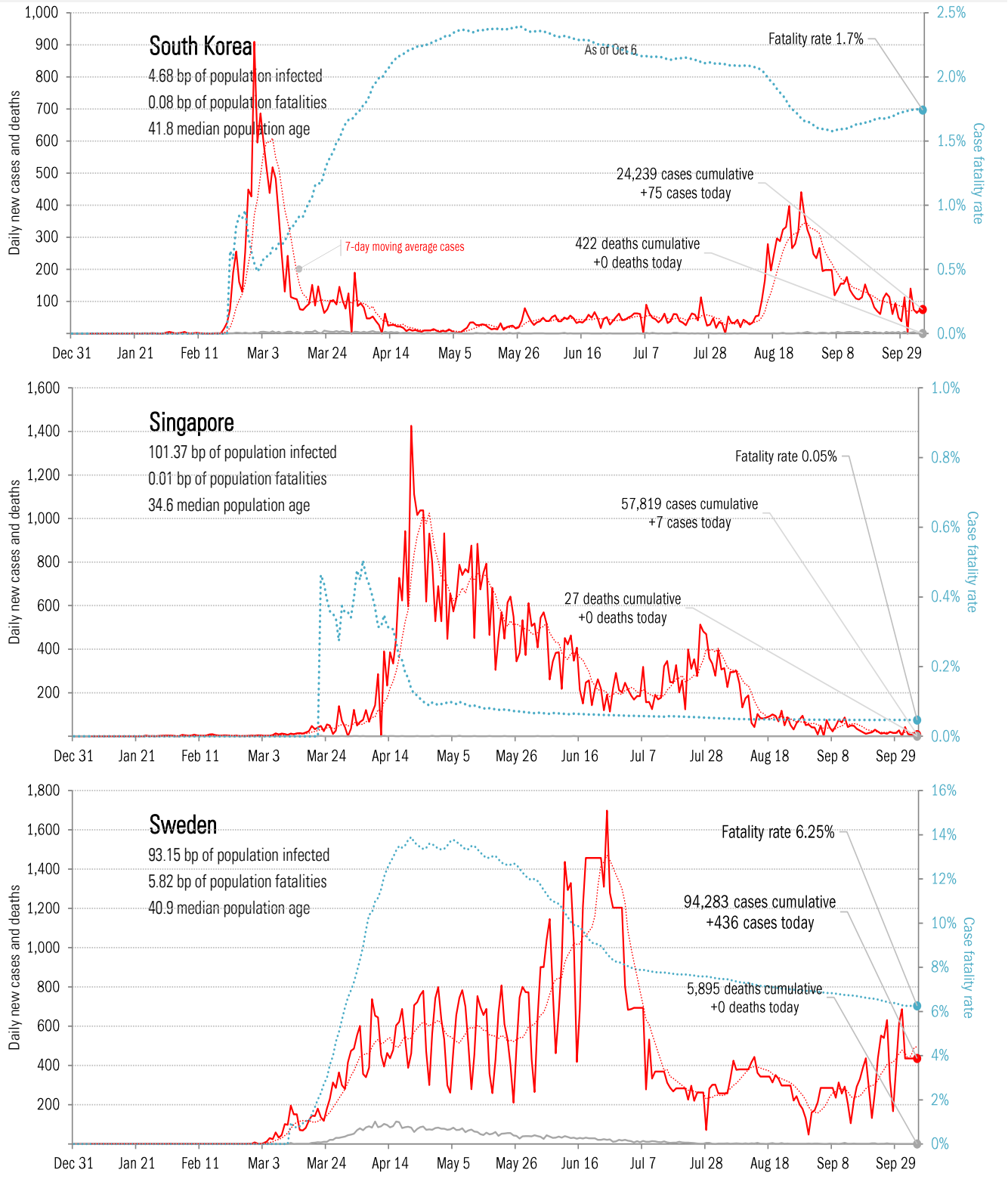
Source: ECDC, TrendMacro calculations

Impact in continental Europe



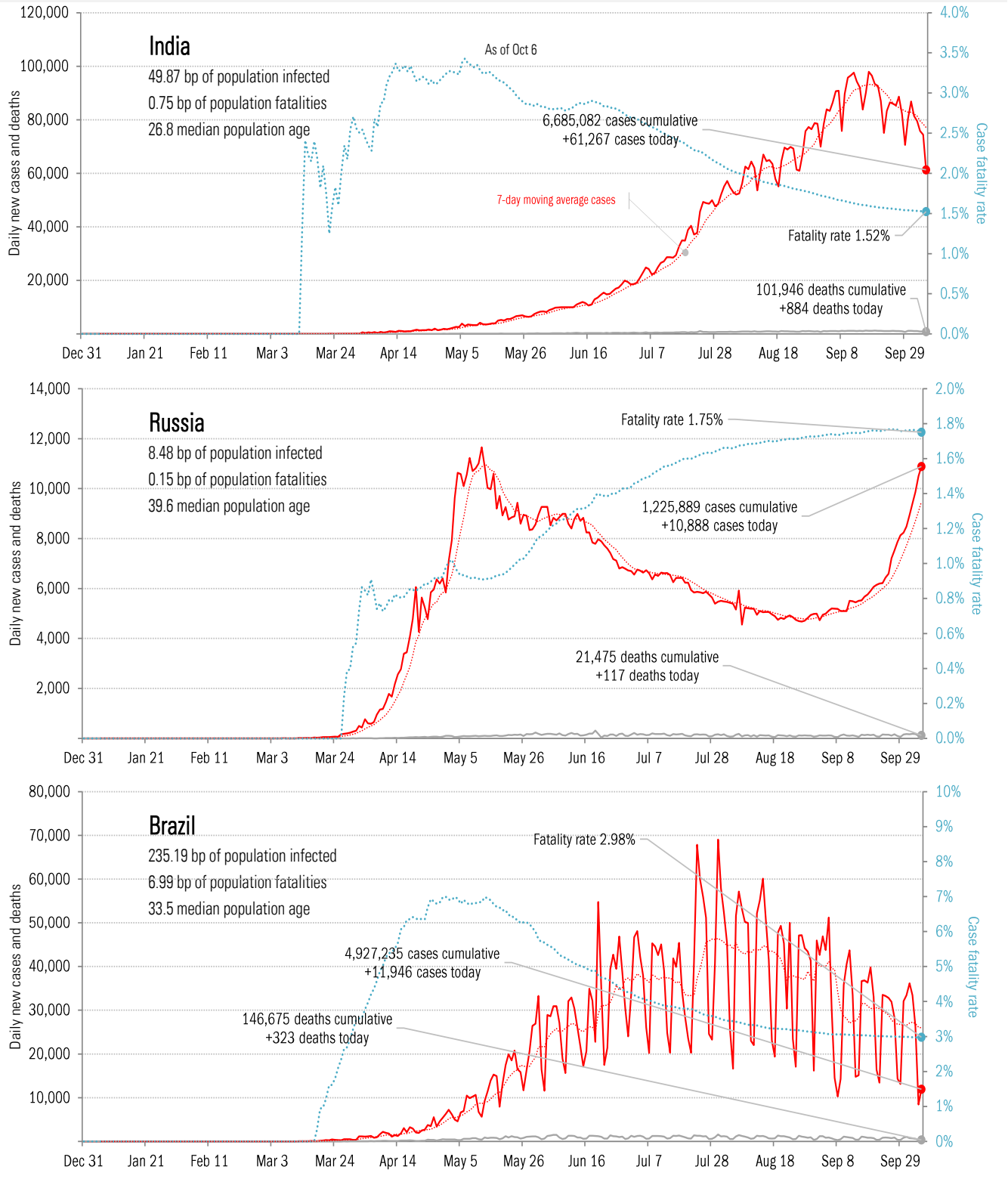
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



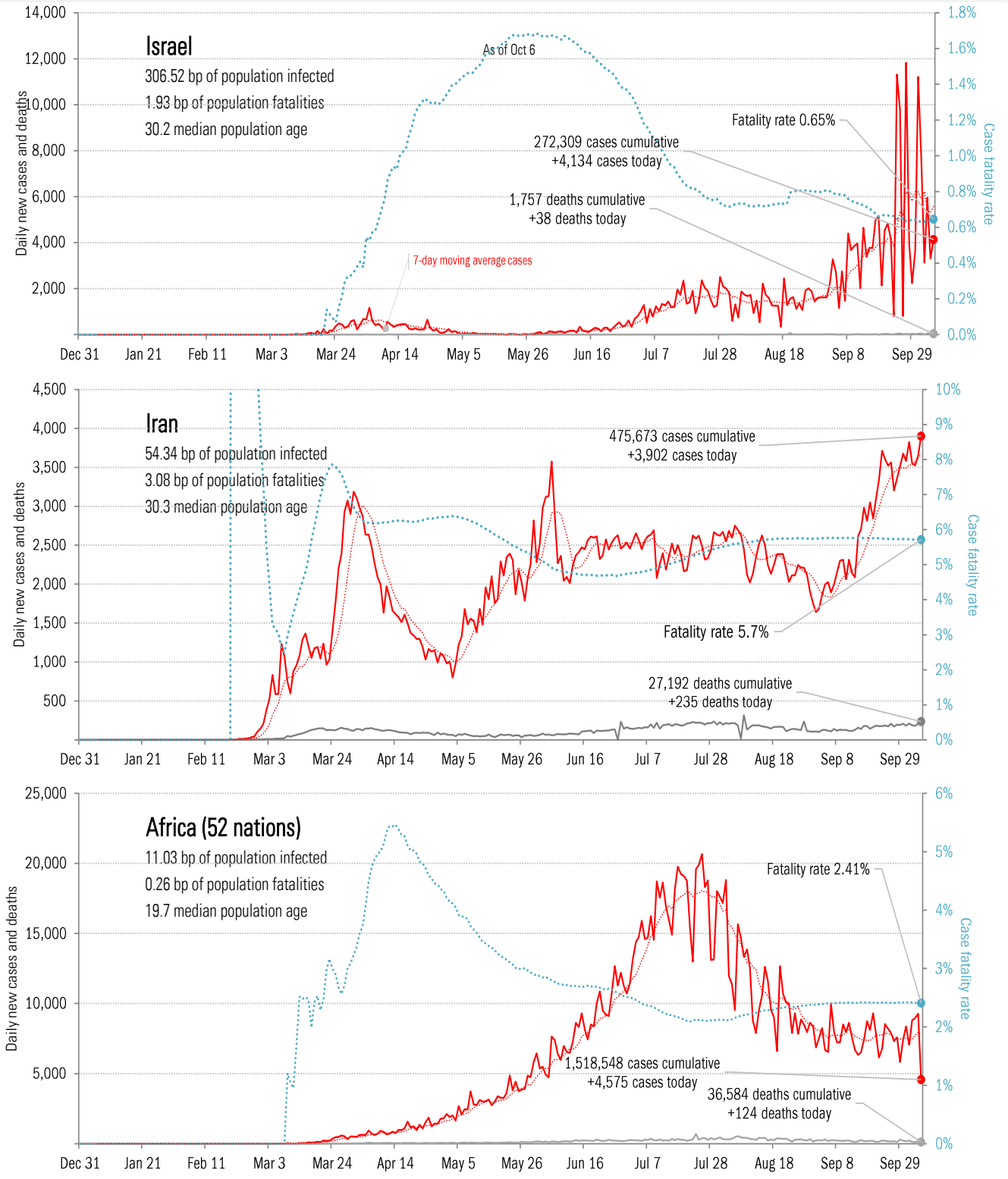
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations