Trend Macrolytics, LLC
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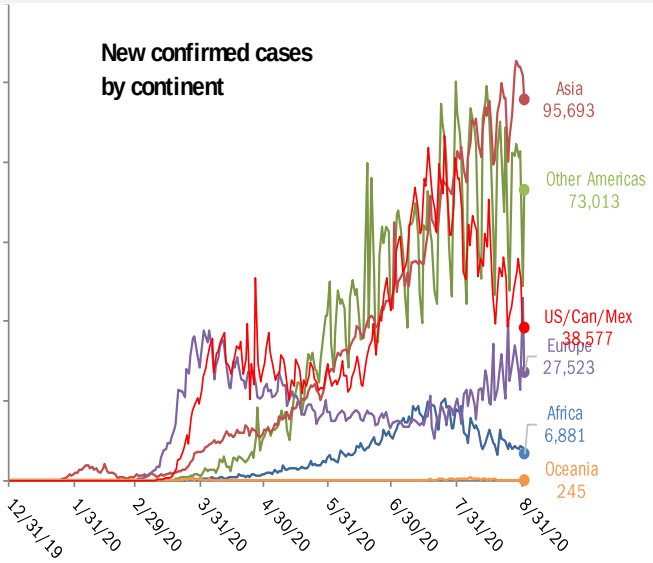
Data Insights: Covid-2019 Monitor

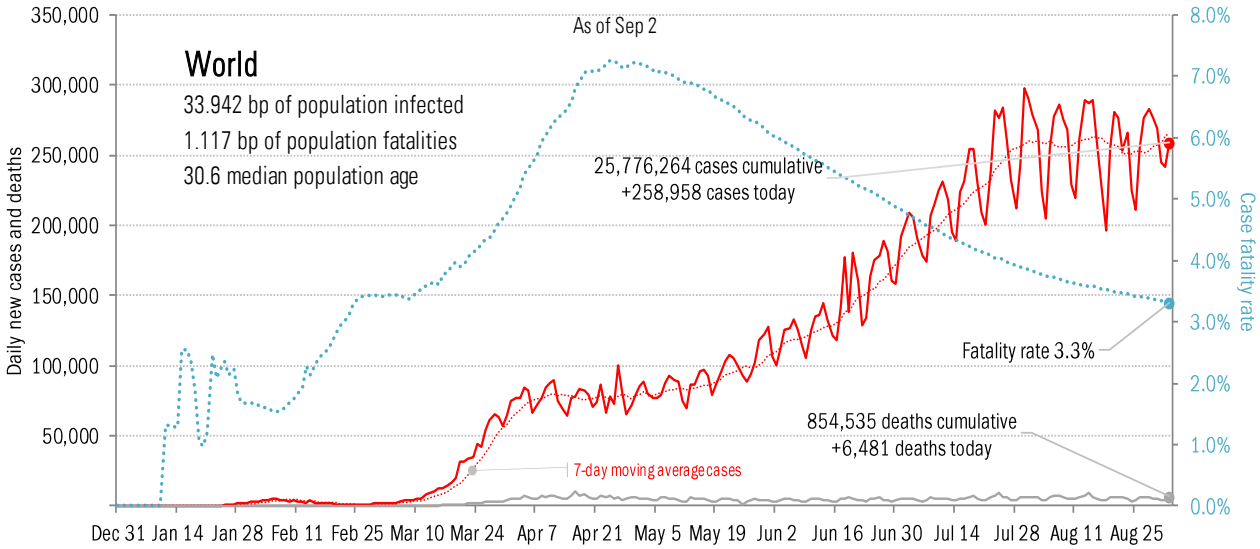
Wednesday, September 2, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+78,357	Brazil	+1,215
US	+44,639	India	+1,105
Brazil	+42,659	US	+1,091
Argentina	+9,309	Mexico	+827
Colombia	+8,901	Colombia	+389
Mexico	+6,476	Argentina	+232
Peru	+5,092	Peru	+124
France	+4,982	Russia	+123
Russia	+4,729	South_Africa	+114
Philippines	+3,445	Iran	+101
	+208,589		+5,321
World	+258,958	World	+6,481
Top ten	81%	Top ten	82%





Source: ECDC, TrendMacro calculations

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The US scorecard

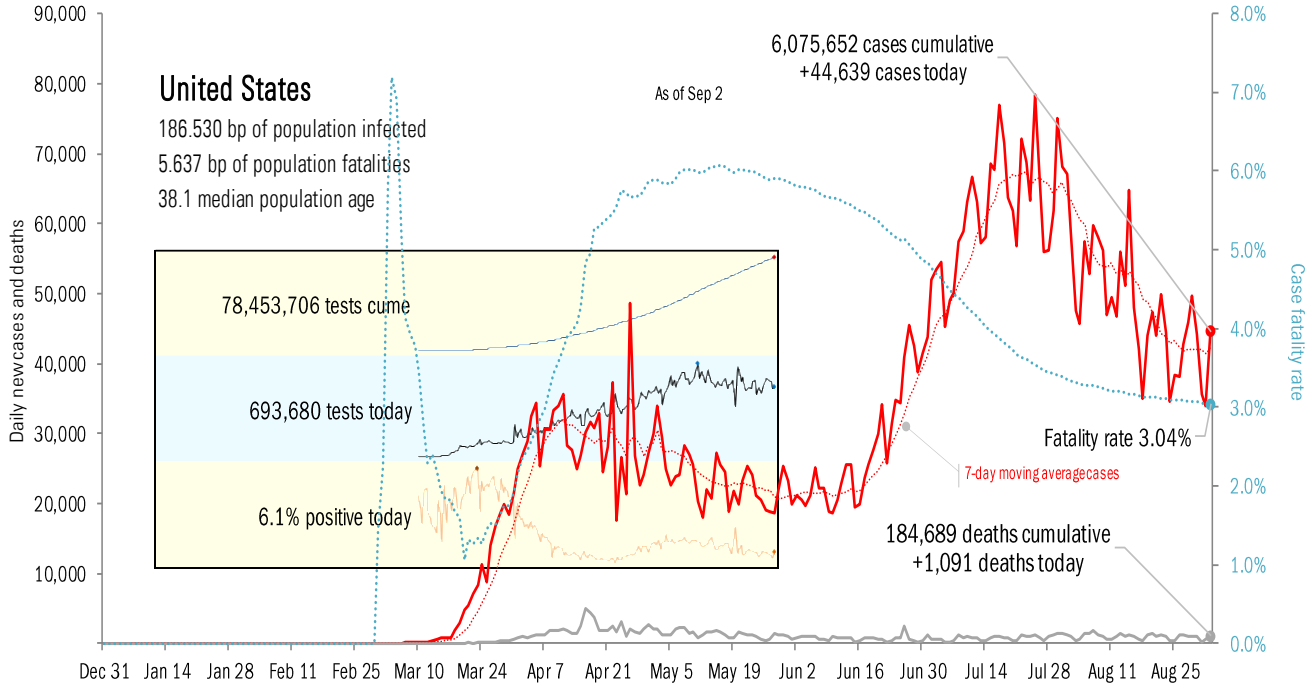
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
TX	+4,364	FL	+190	FL	+369	CA	707,797	NY	25,331	NY	89,995
CA	+3,712	TX	+145	AL	+271	FL	625,356	NJ	15,937	FL	39,311
GA	+2,226	GA	+101	GA	+243	TX	617,333	CA	13,018	GA	24,847
NC	+2,111	CA	+85	OH	+103	NY	435,510	TX	12,681	NJ	22,667
FL	+1,885	NC	+39	TN	+100	GA	272,697	FL	11,521	AZ	21,405
AL	+1,558	IL	+38	AR	+93	IL	238,217	MA	9,064	VA	16,238
IL	+1,492	SC	+37	OK	+82	AZ	202,342	IL	8,273	AL	14,538
OH	+1,453	LA	+34	VA	+71	NJ	192,290	PA	7,691	MD	14,337
TN	+1,396	VA	+32	WI	+61	NC	169,424	MI	6,767	OH	13,479
MO	+1,058	OH	+27	SC	+59	TN	156,329	GA	5,733	MA	12,386
	+21,255		+728		+1,452		3,617,295		116,016		269,203
All states	+36,717	All states	+1,022	All states	+1,836	All states	6,036,176	All states	176,624	All states	372,216
Top ten	58%	Top ten	71%	Top ten	79%	Top ten	60%	Top ten	66%	Top ten	72%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
KS	-1,564	MO	-14	IN	-149	TX	+7,362
CA	-464	MS	-12	OR	-28	TN	+2,021
TN	-422	MA	-7	KS	-26	OH	+1,393
CT	-257	KS	-3	MS	-26	MD	+852
IN	-188	AL	-2	MD	-14	MN	+832



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

Recommended reading

[Pelosi used shuttered San Francisco hair salon for blow-out, owner calls it 'slap in the face'](#)
Brooke Singman
Fox News
September 1, 2020

[Florida reports 7,569 new cases; DOH blames belated data 'dump'](#)
Emily Bloch
Florida Times-Union
September 1, 2020

[Dem group warns of apparent Trump Election Day landslide](#)
Margaret Talev
Axios
September 1, 2020

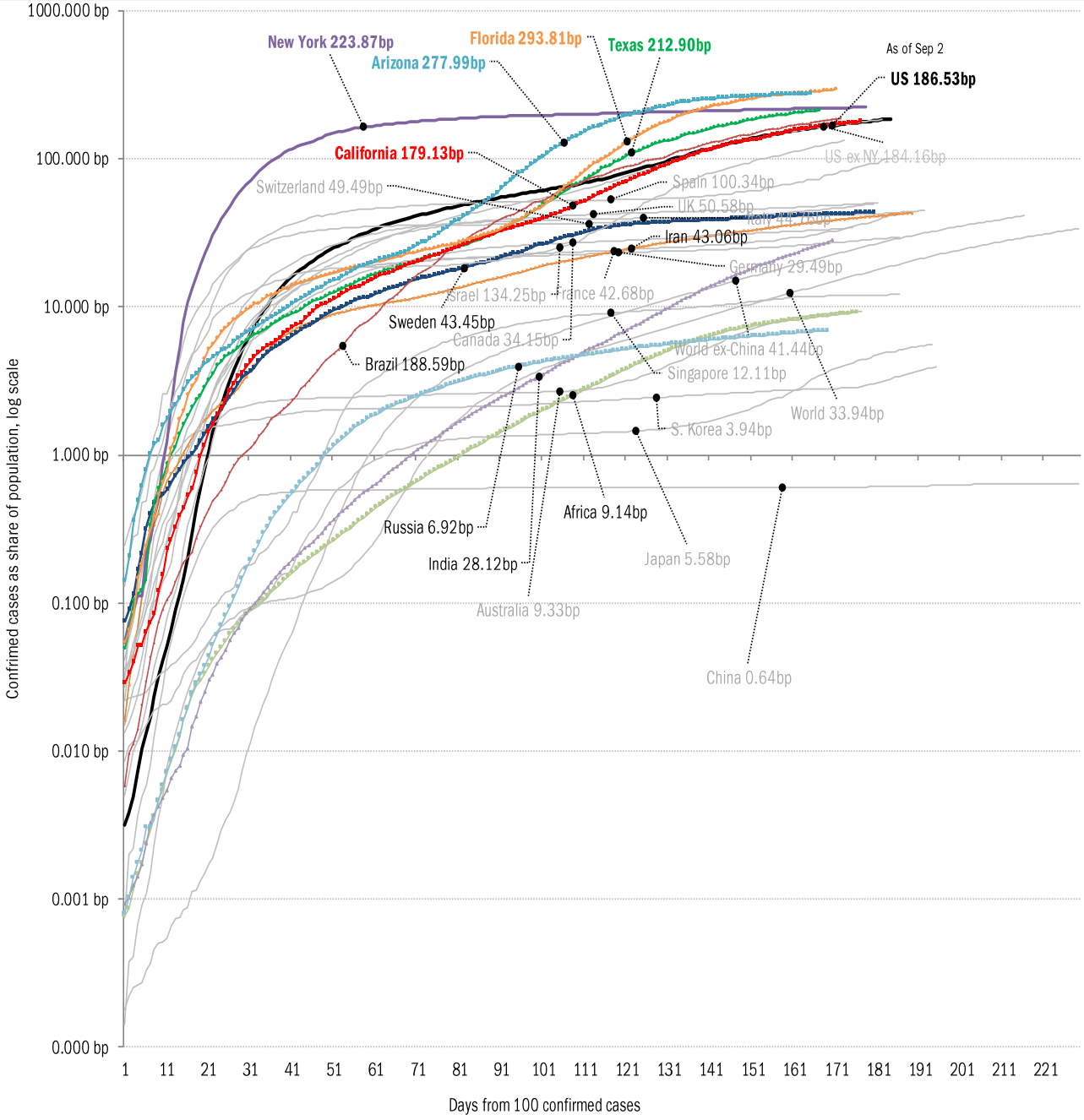
[Disease Mitigation Measures in the Control of Pandemic Influenza](#)
Thomas V. Inglesby et al.
The Center for Biosecurity
2006

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

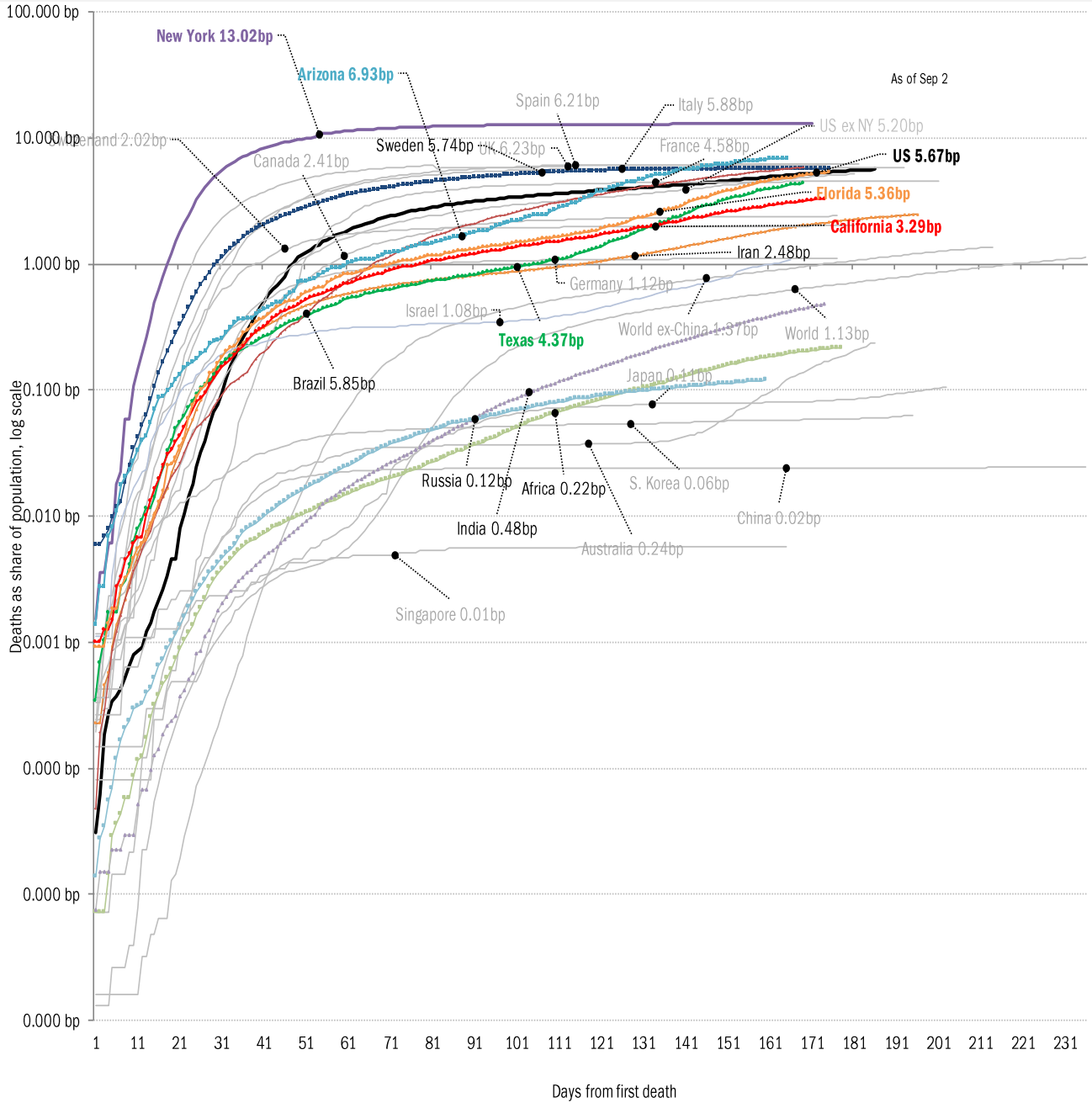
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

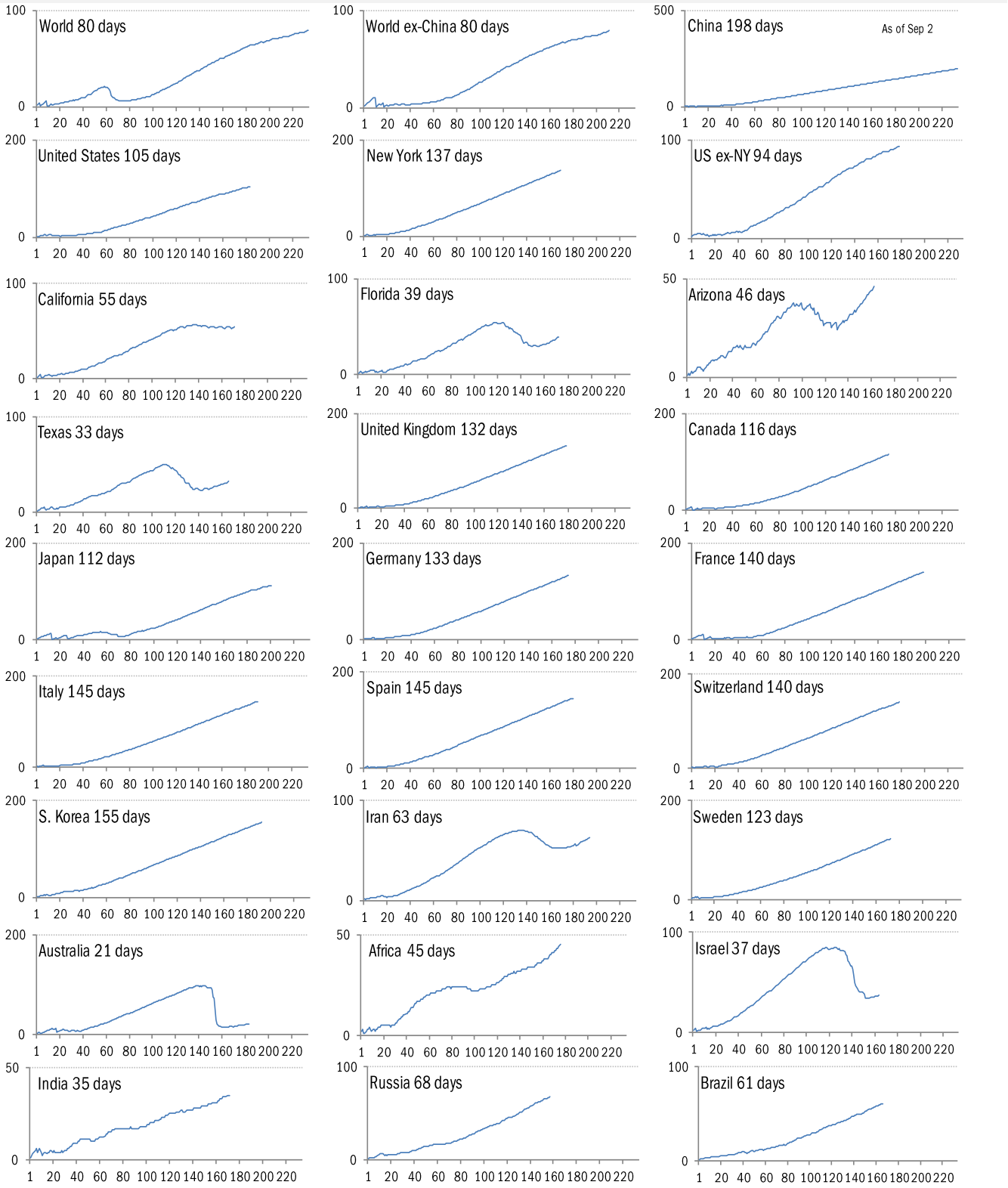


Source: ECDC, TrendMacro calculations

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

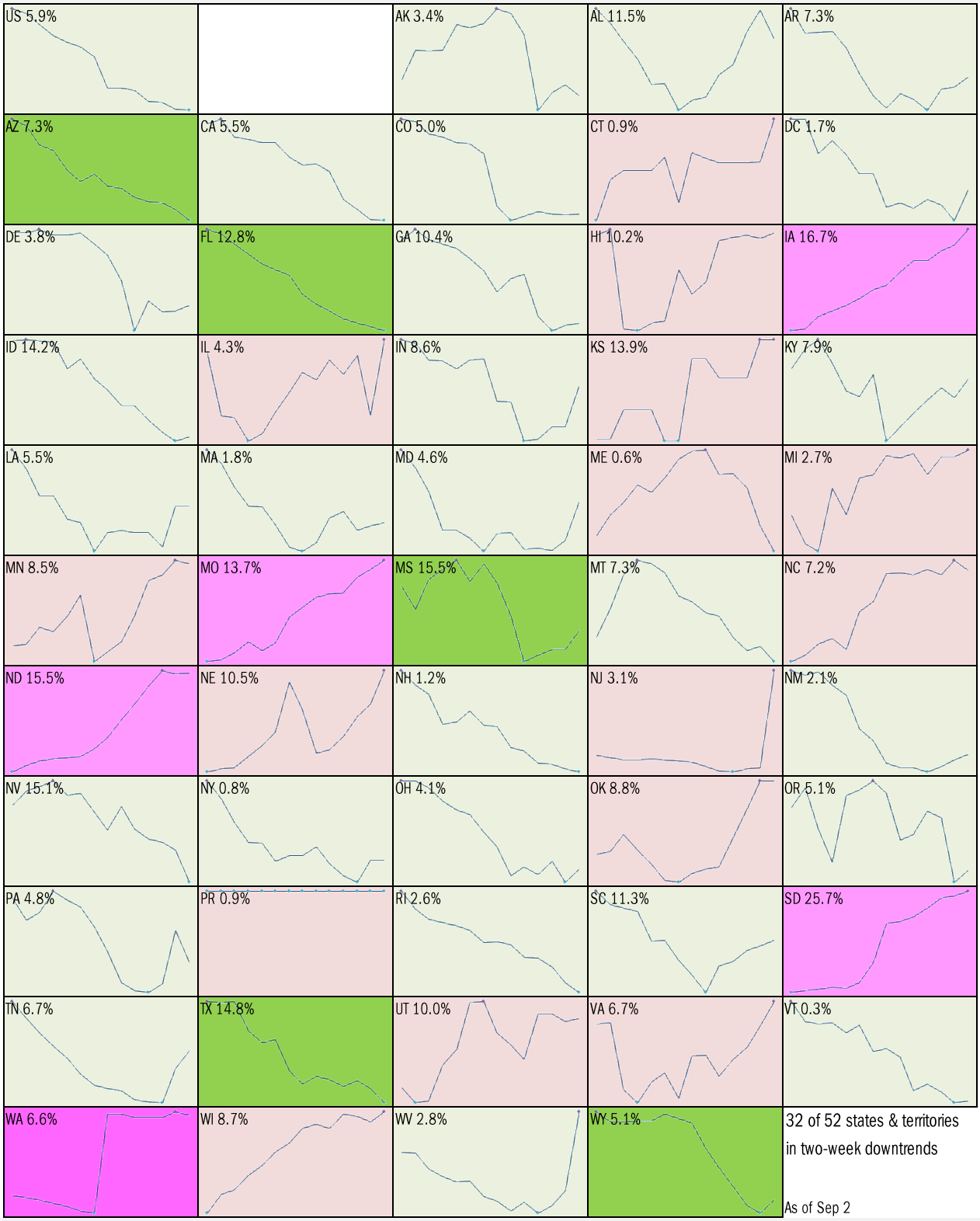
Downward trajectory Five best Upward trajectory Five worst

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

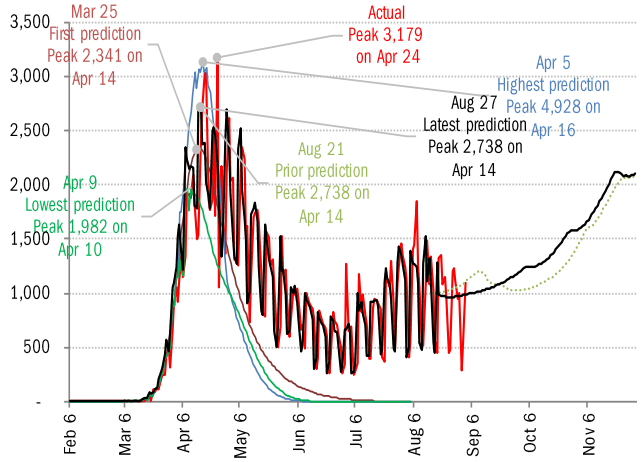


Source: Covid Tracking Project, TrendMacro calculations

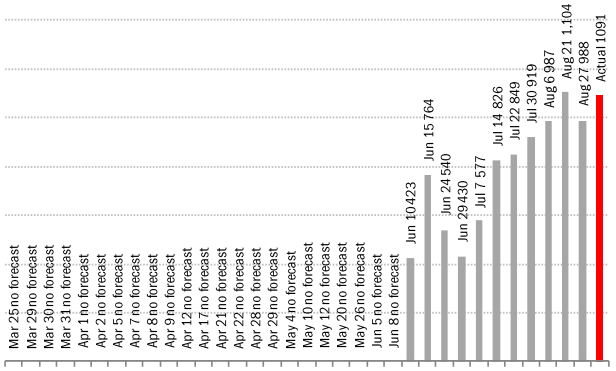
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Sep 2

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

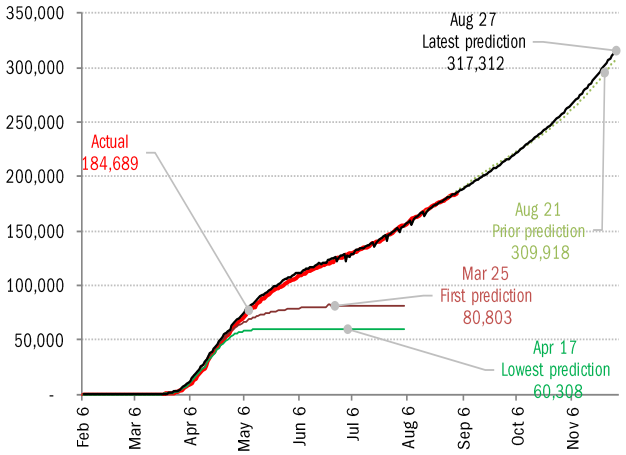


For this day, versus all model mean predictions

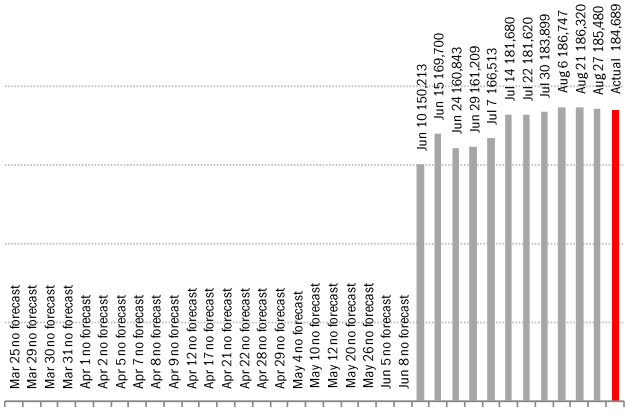


Cumulative fatalities

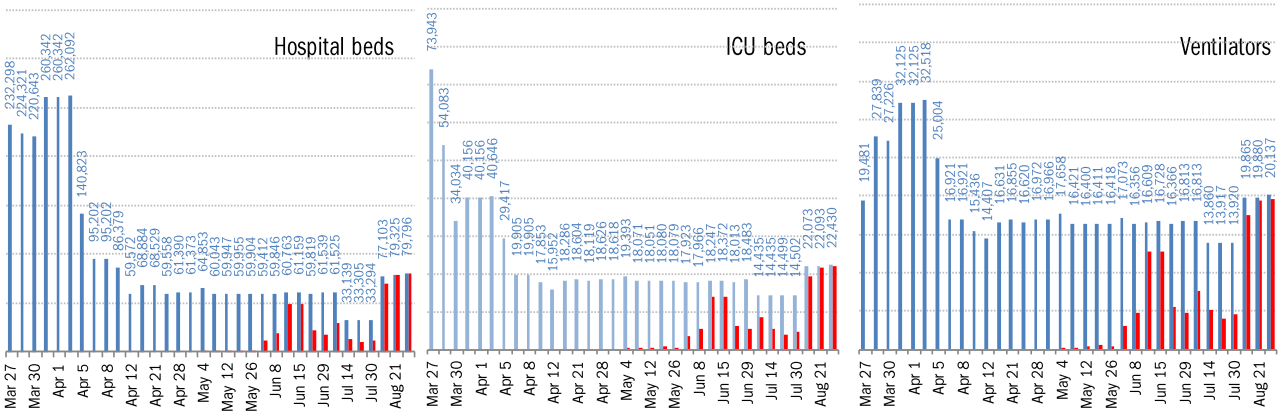
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

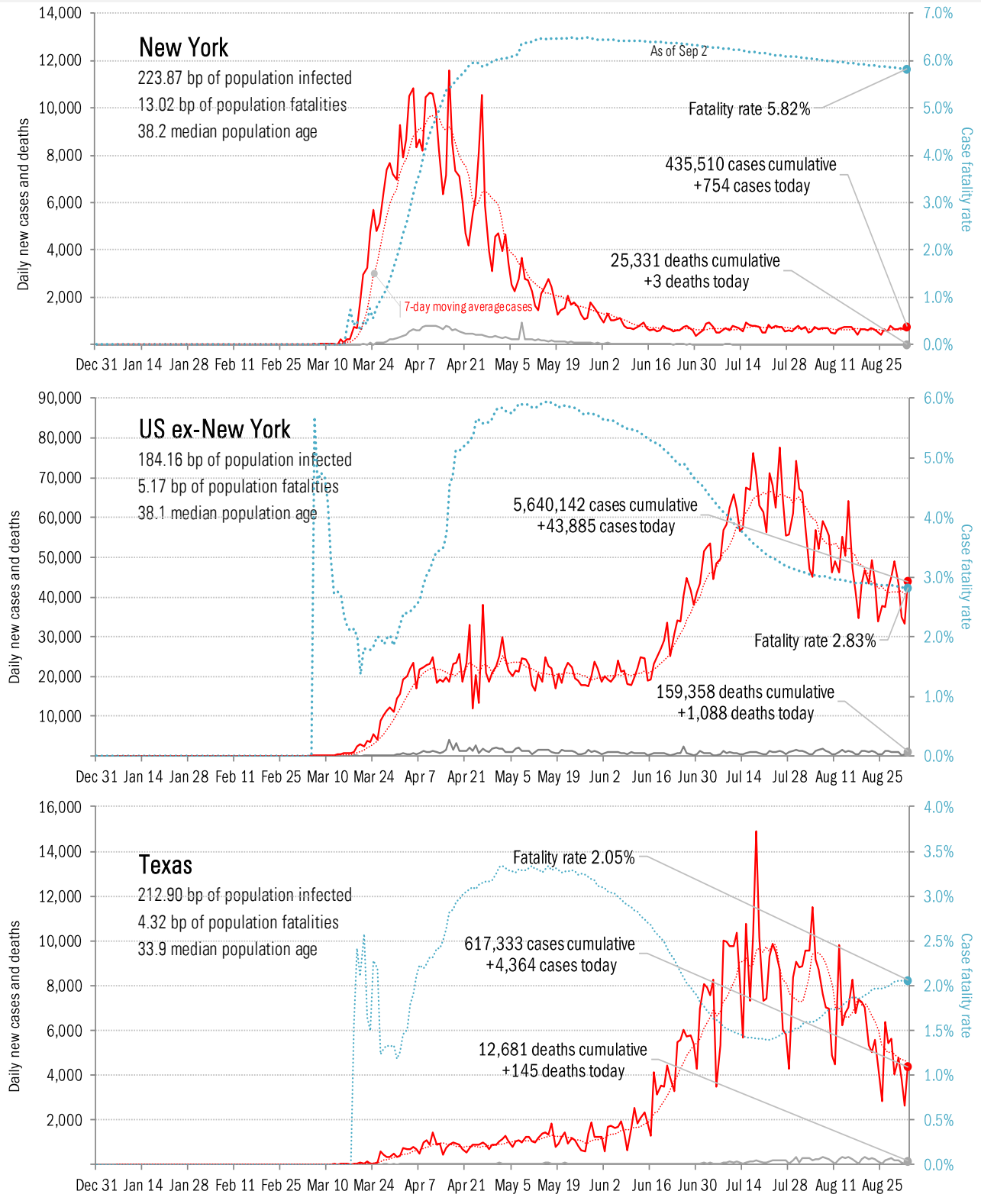


Healthcare system stress, peak and ultimate estimated at each model revision



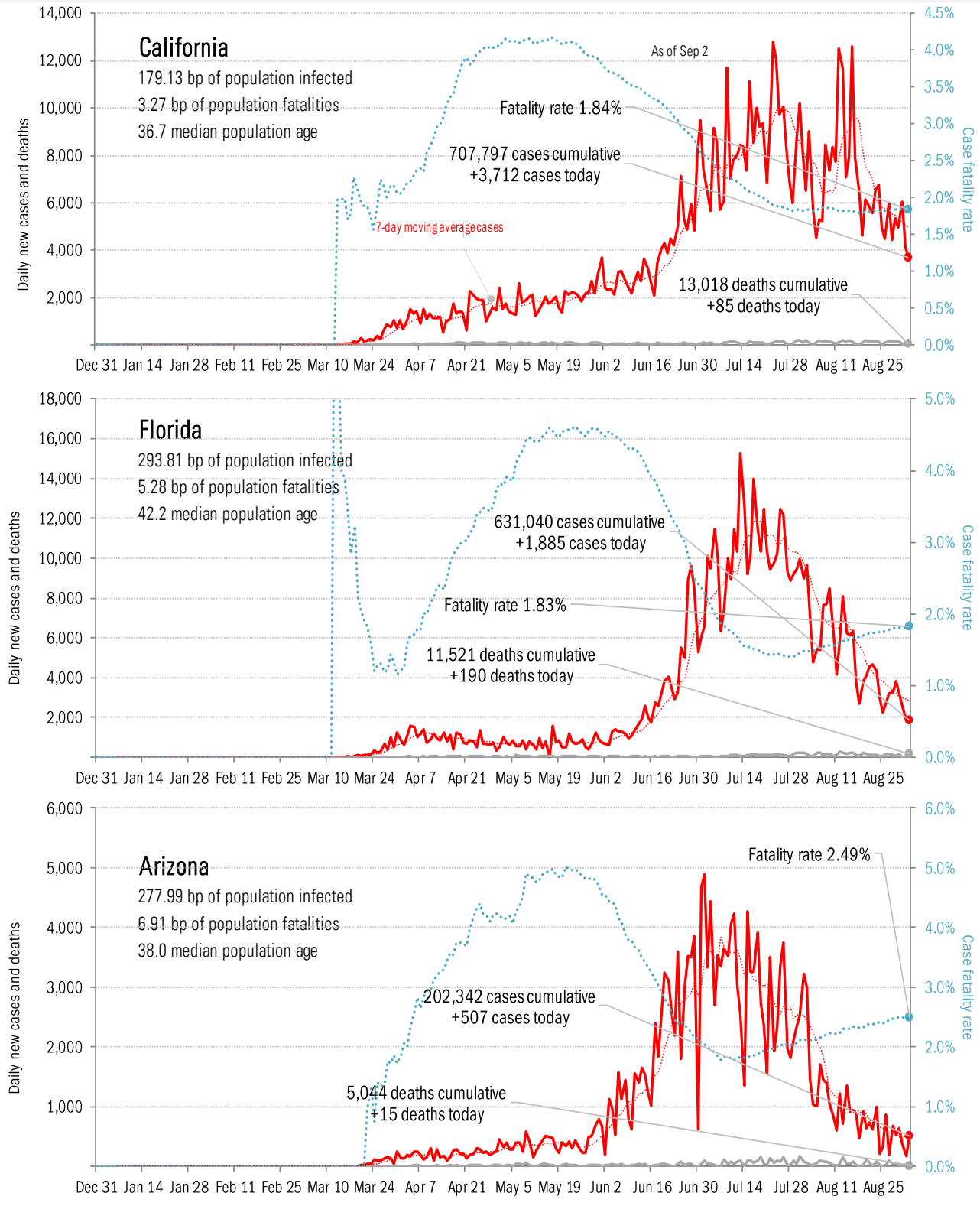
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



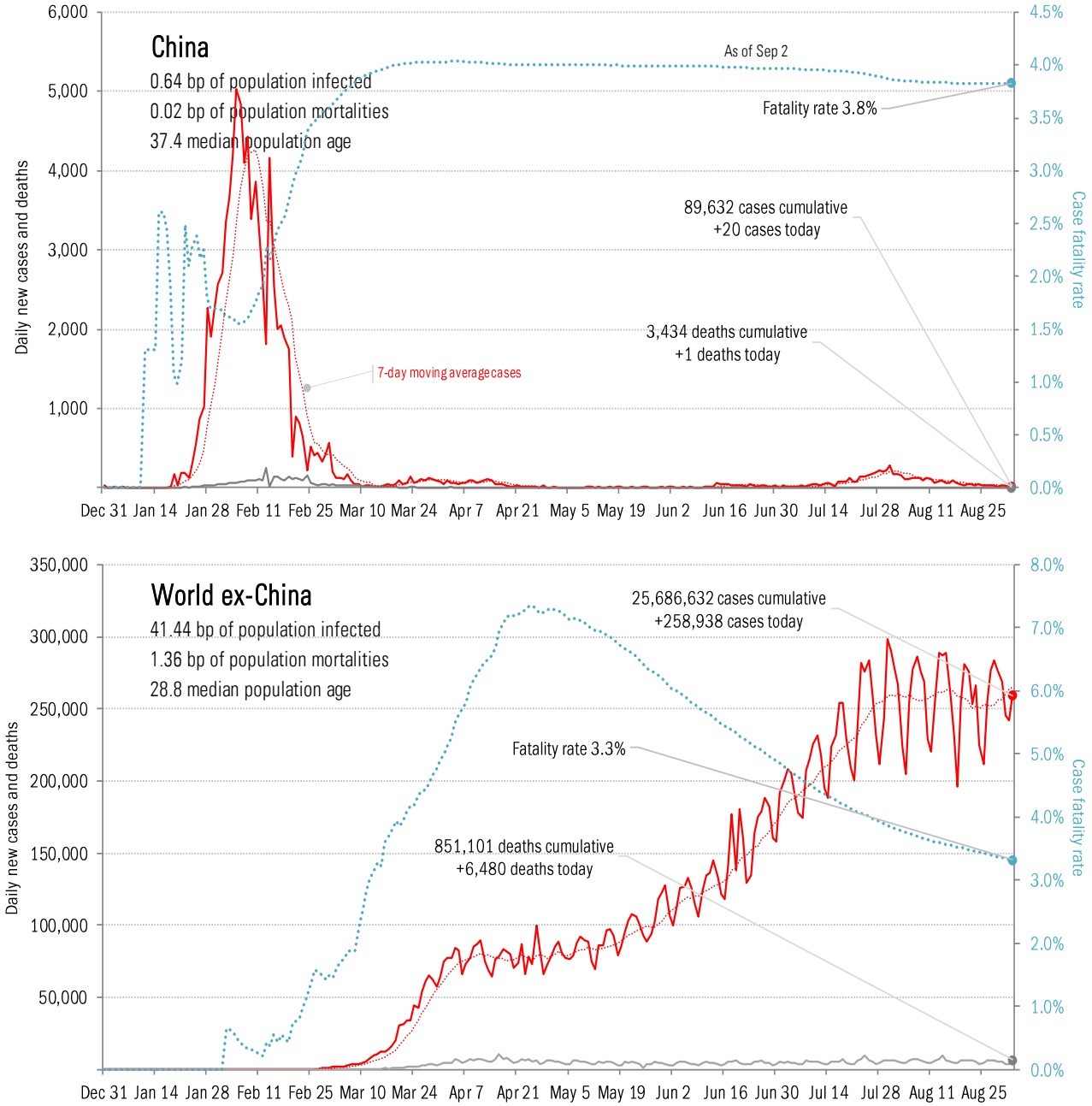
Source: ECDC, TrendMacro calculations

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



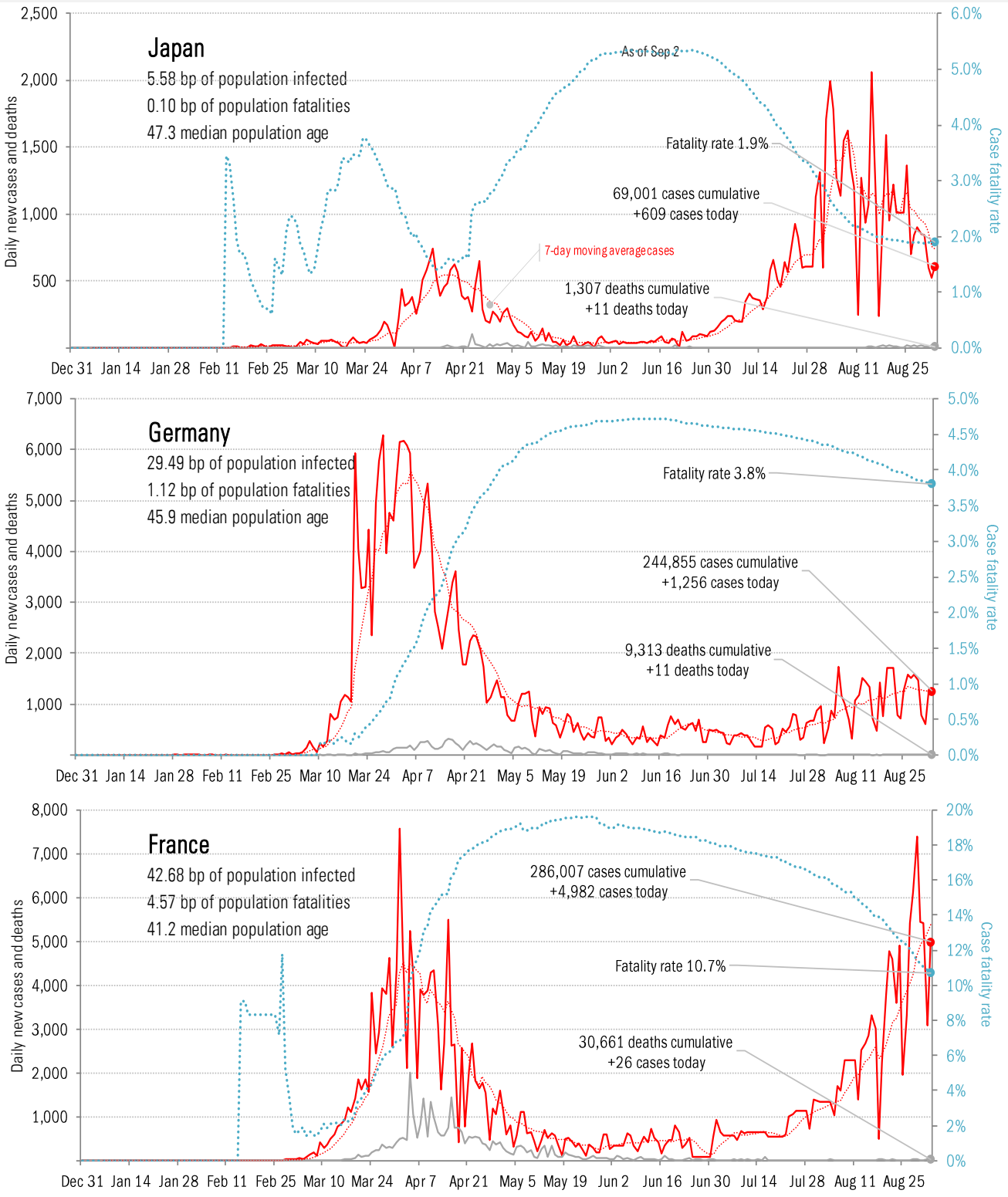
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



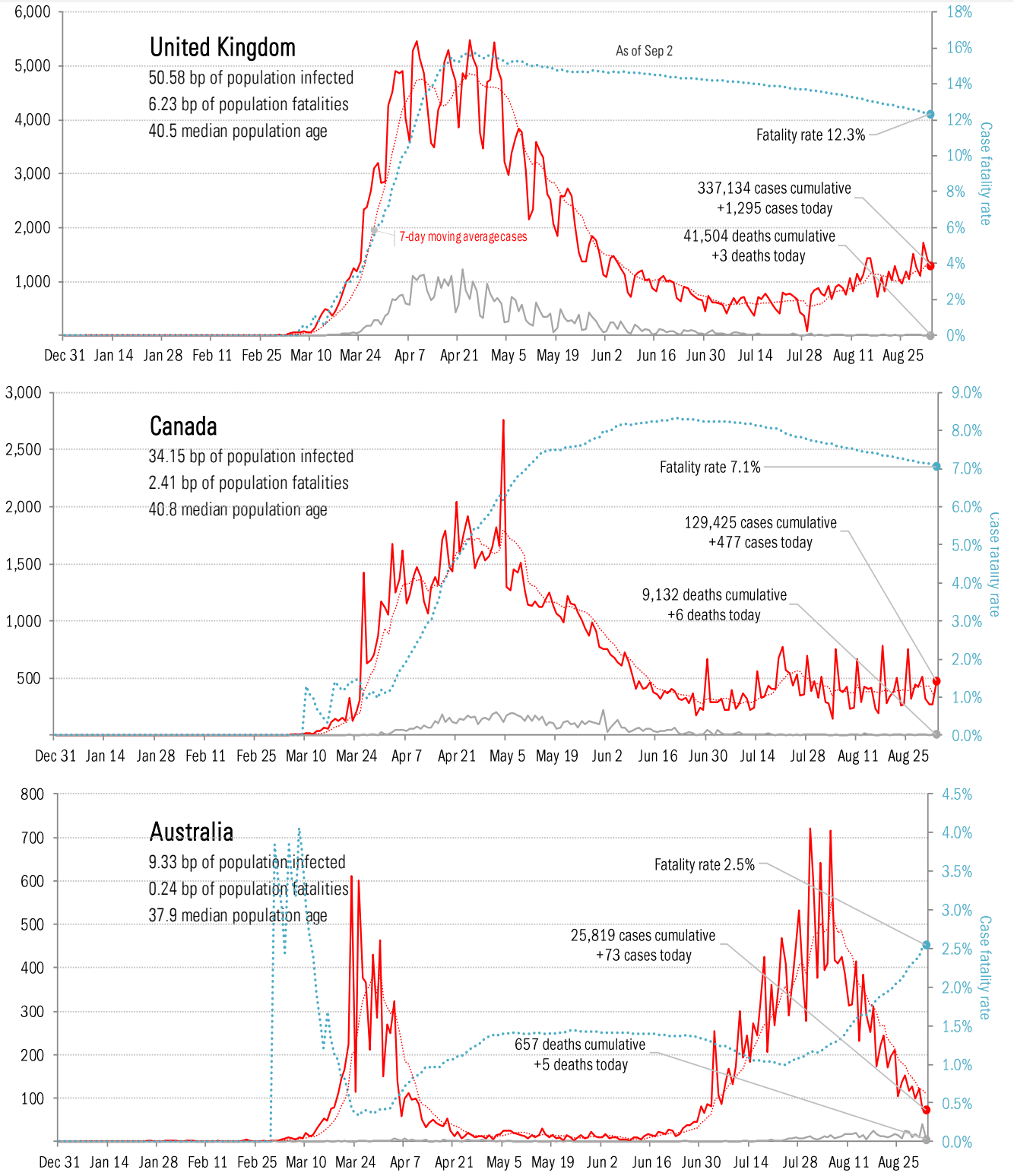
Source: ECDC, TrendMacro calculations

Impact in the largest economies



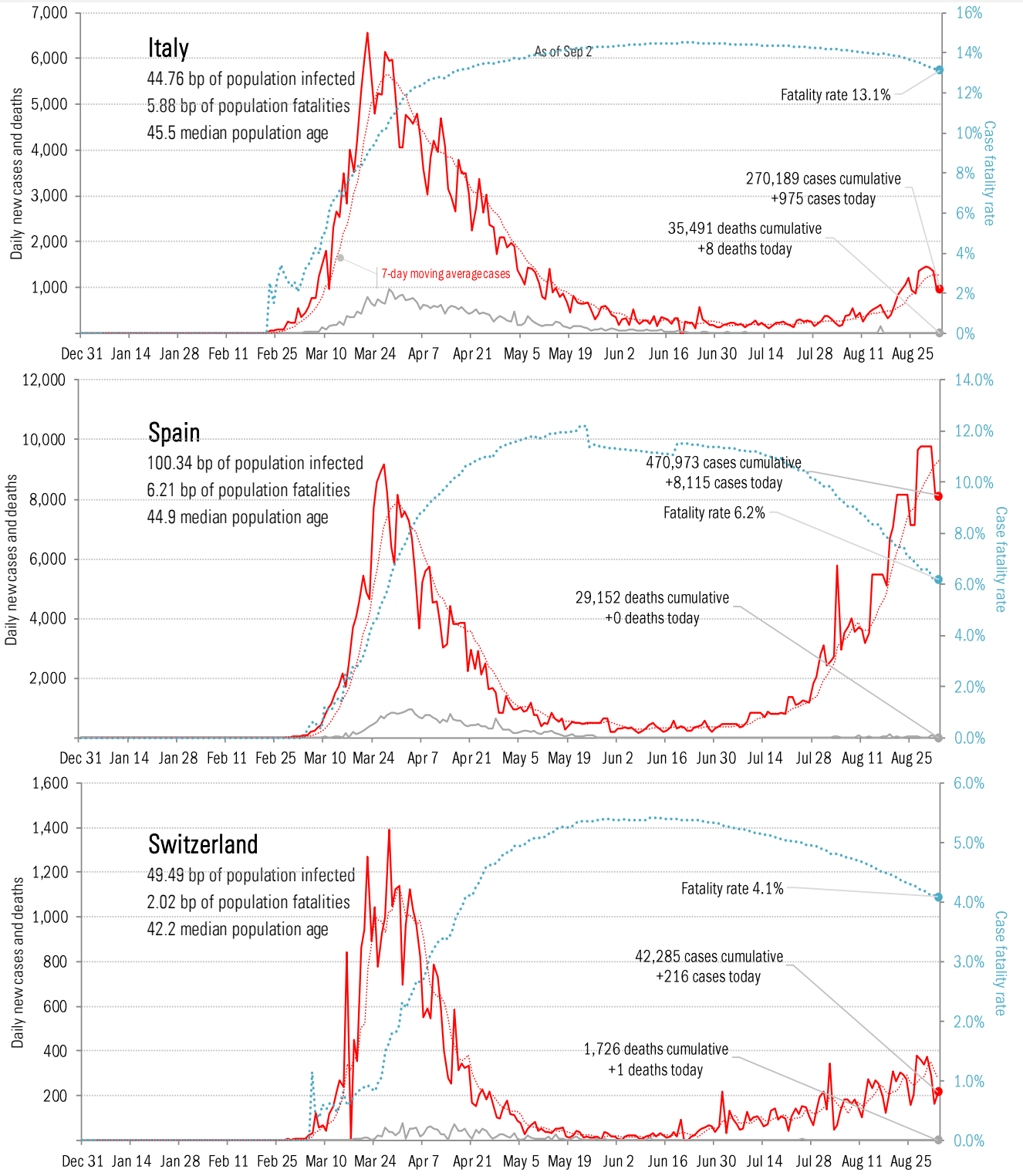
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



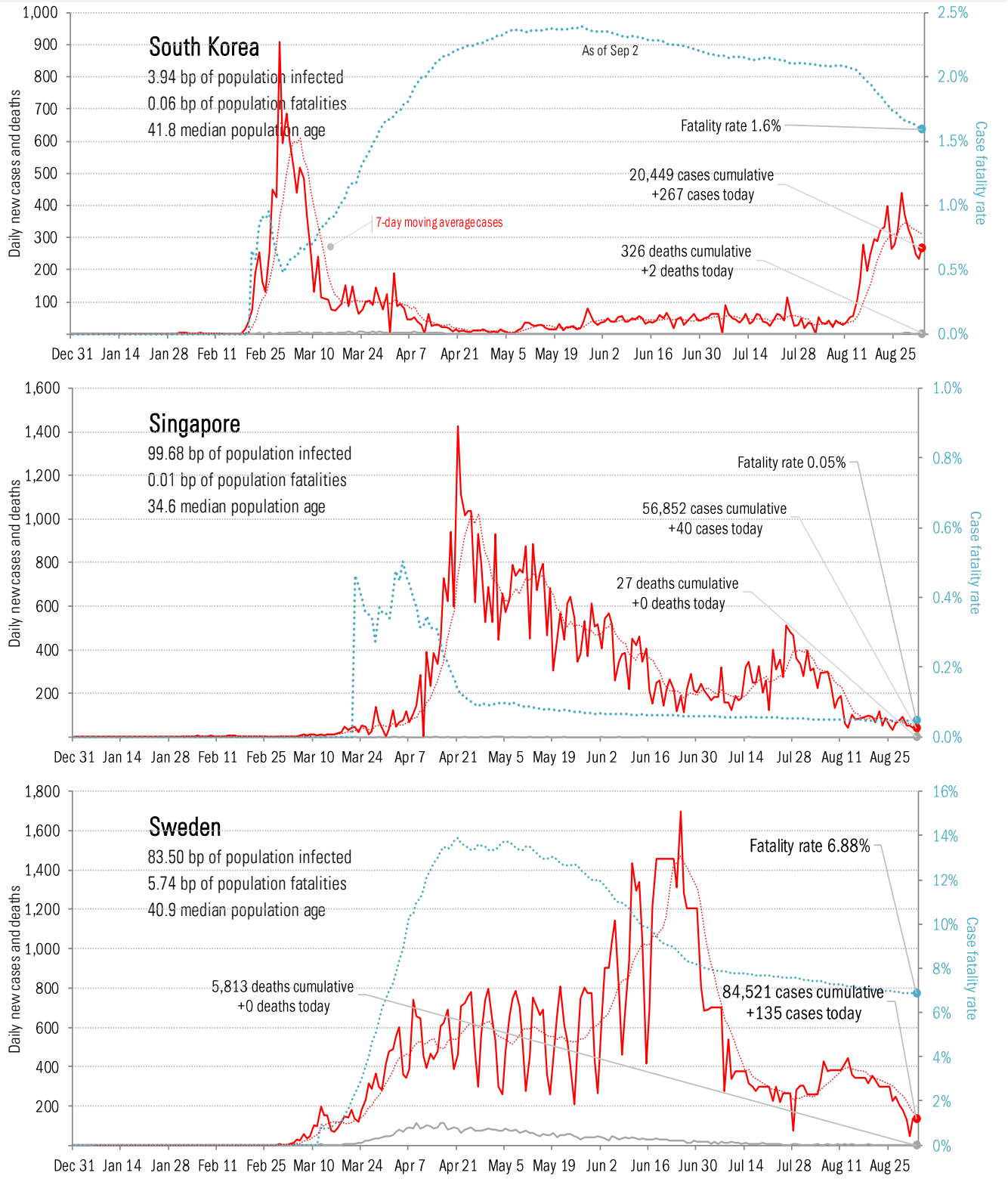
Source: ECDC, TrendMacro calculations

Impact in continental Europe



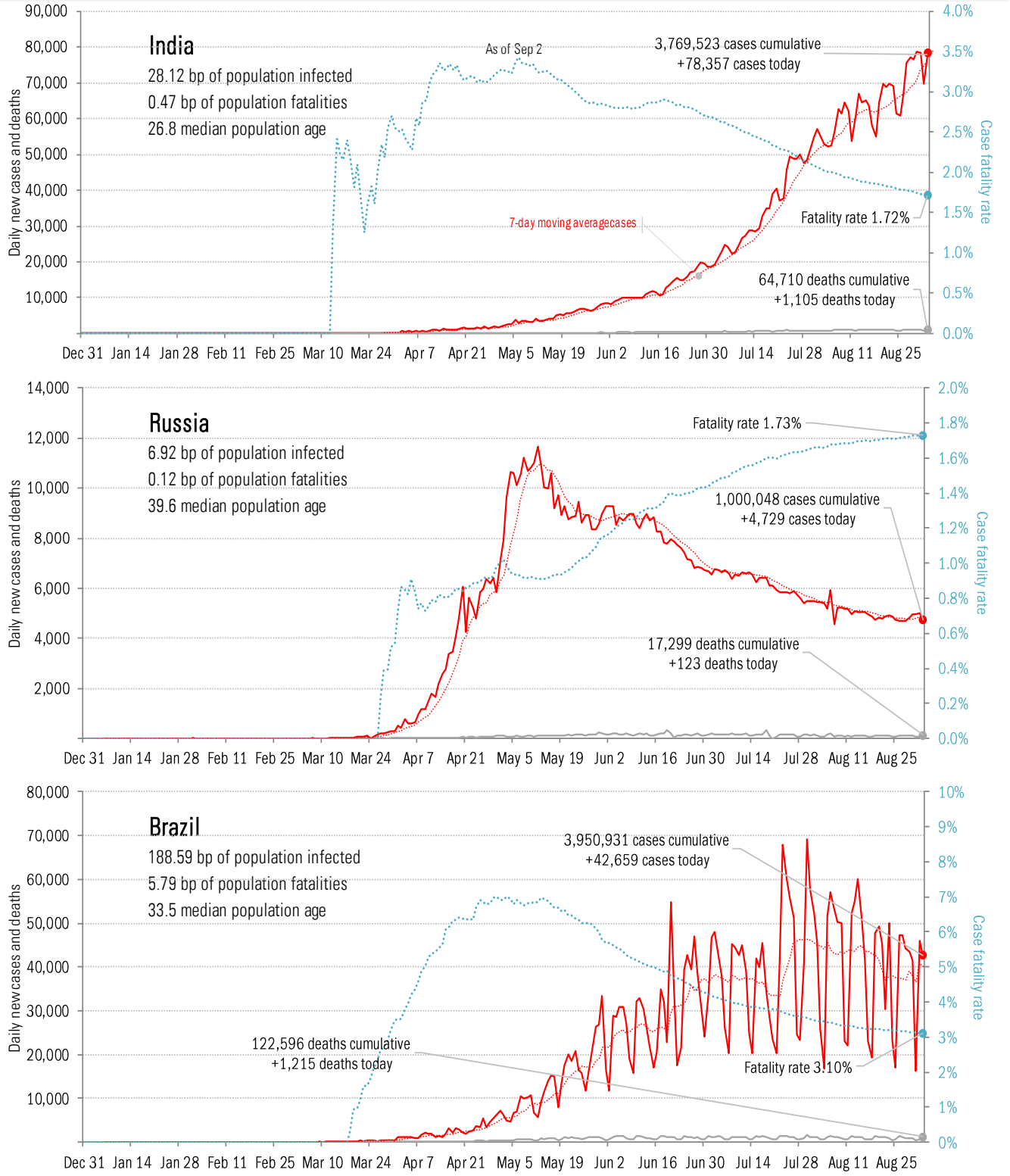
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



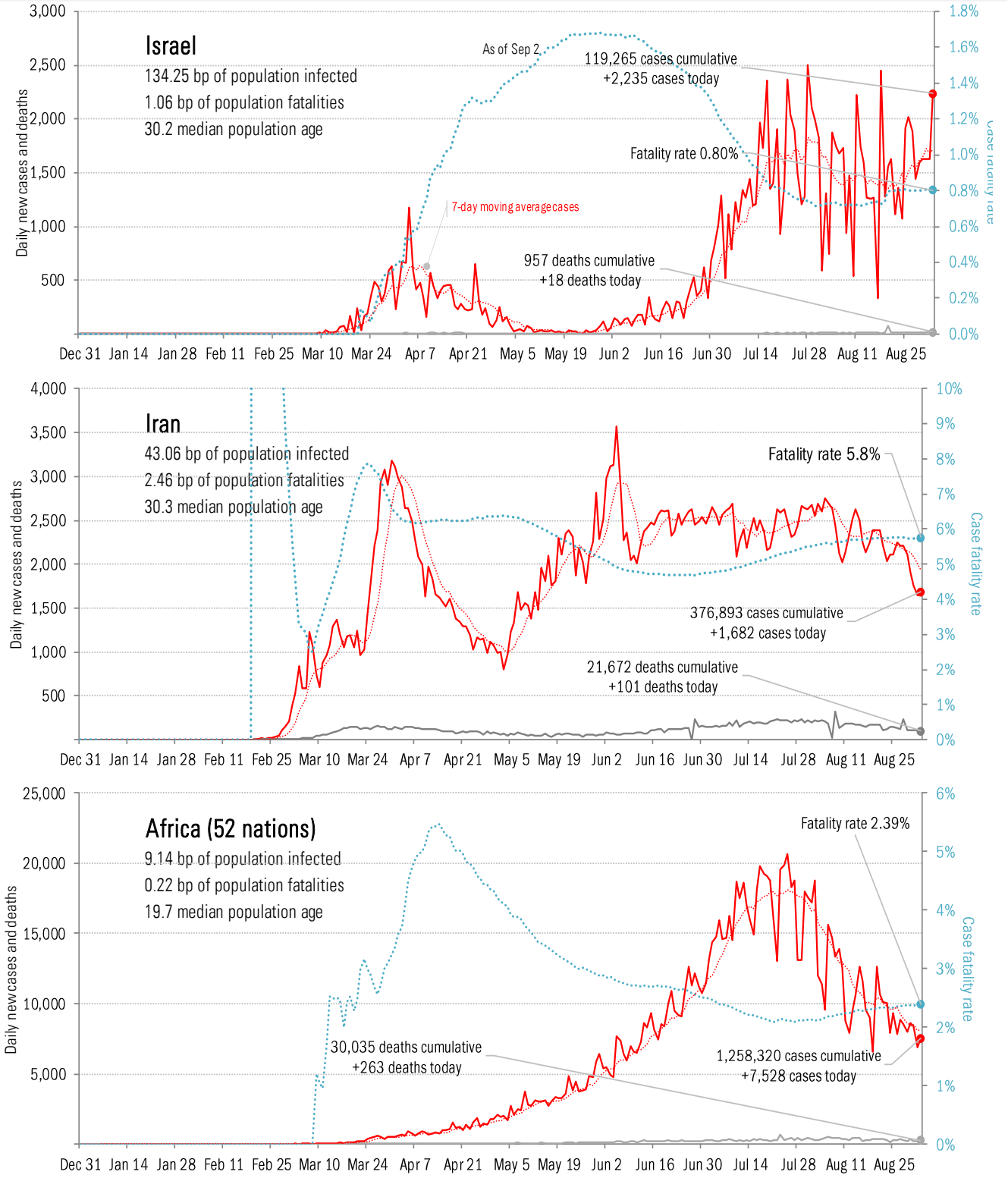
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations