Trend Macrolytics, LLC
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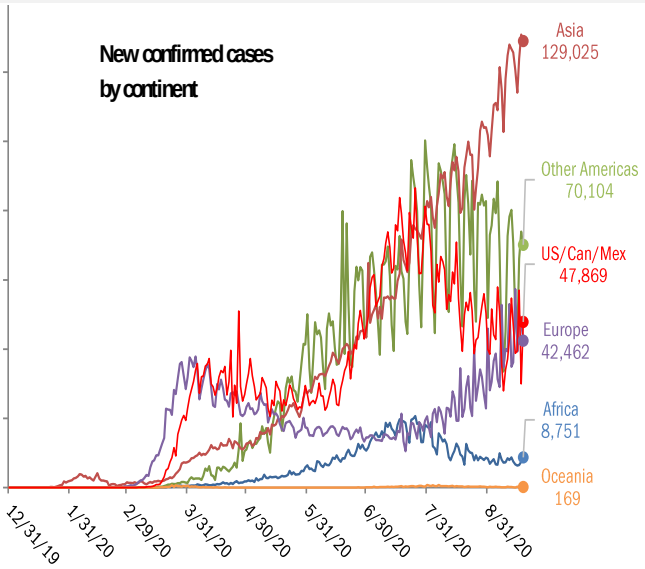
Data Insights: Covid-2019 Monitor

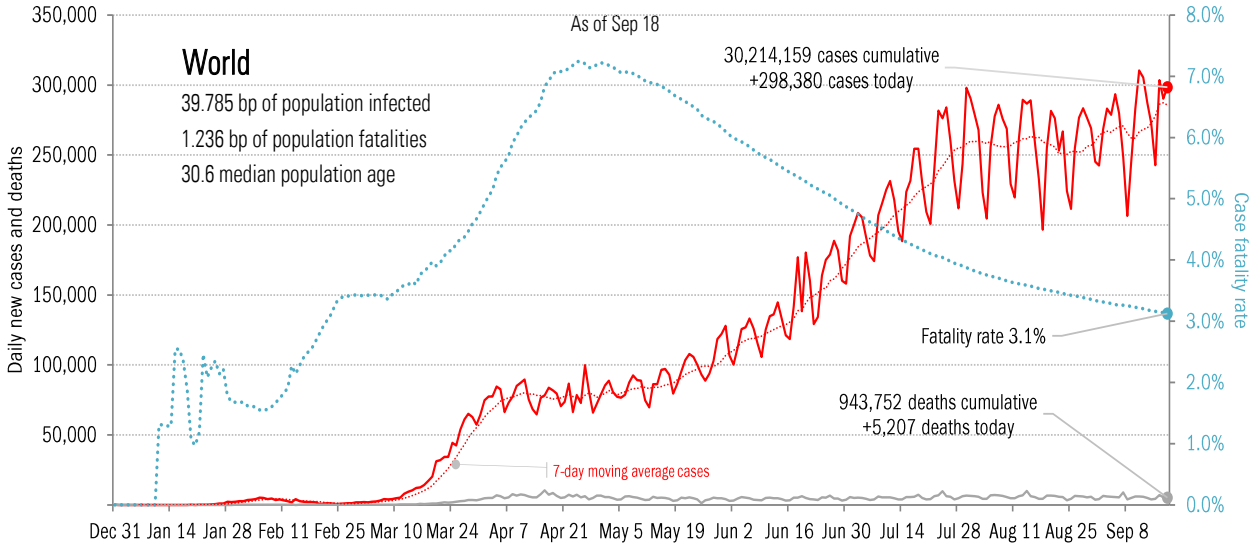
Friday, September 18, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+96,424	India	+1,174
US	+43,567	US	+831
Brazil	+36,303	Brazil	+829
Argentina	+11,674	Argentina	+319
France	+10,593	Mexico	+201
Colombia	+7,568	Colombia	+187
Russia	+5,762	Iran	+176
Peru	+5,698	Russia	+144
Israel	+5,165	Indonesia	+122
Iraq	+4,326	Peru	+95
	+227,080		+4,078
World	+298,380	World	+5,207
Top ten	76%	Top ten	78%





Source: ECDC, TrendMacro calculations

For more information contact us:
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The US scorecard

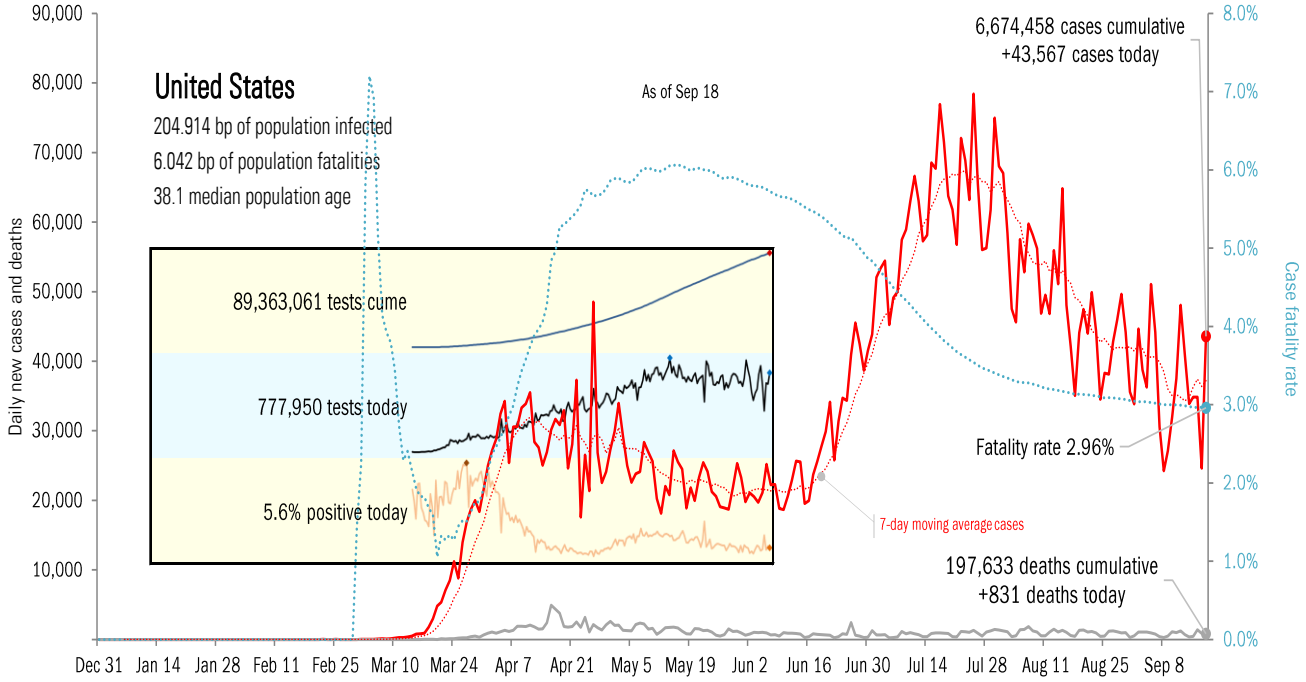
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
TX	+4,047	FL	+147	FL	+198	CA	766,201	NY	25,413	NY	89,995
FL	+3,255	TX	+112	GA	+170	TX	678,819	NJ	16,057	FL	42,525
CA	+3,238	CA	+106	AL	+137	FL	674,456	CA	14,721	GA	27,054
WI	+2,134	GA	+55	VA	+103	NY	447,262	TX	14,590	NJ	23,071
IL	+2,056	AZ	+38	CT	+90	GA	300,903	FL	13,247	AZ	21,821
GA	+1,847	VA	+36	OK	+88	IL	270,302	MA	9,260	VA	17,666
MO	+1,747	NC	+31	WI	+68	AZ	210,560	IL	8,624	AL	16,079
NC	+1,552	SC	+26	OH	+65	NJ	198,361	PA	7,913	MD	15,008
SC	+1,324	IL	+25	IN	+64	NC	189,576	MI	6,955	OH	14,625
VA	+1,101	OH	+25	SC	+59	TN	178,140	GA	6,474	MA	12,496
	+22,301		+601		+1,042		3,914,580		123,254		280,340
All states	+42,458	All states	+863	All states	+1,549	All states	6,640,241	All states	189,665	All states	392,173
Top ten	53%	Top ten	70%	Top ten	67%	Top ten	59%	Top ten	65%	Top ten	71%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-1,979	AR	-138	AL	-49	TX	+3,980
KS	-971	CA	-58	GA	-49	TN	+1,505
TN	-803	KS	-52	KS	-44	WI	+1,275
GA	-376	OH	-24	AZ	-29	OH	+1,247
AL	-257	TX	-23	TN	-17	OK	+1,118



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

Recommended reading

[AZDHS explains large number of newly reported COVID-19 cases is not a surge](#)
KOLD News
September 17, 2020

[Dr. Li-Meng Yan's Claims Call for Skepticism but Not Dismissal](#)
Jim Geraghty
National Review
September 17, 2020

[Chinese virologist claims she has proof COVID-19 was made in Wuhan lab](#)
Natalie Musumeci
New York Post
September 11, 2020

[New report says Covid-19 pandemic has caused historic setbacks in global health](#)
Helen Branswell
Stat News
September 14, 2020

[How to Live With Covid, Not for It](#)
Joseph A. Ladapo
Wall Street Journal
September 16, 2020

[CDC Releases Plan For Coronavirus Vaccine Distribution](#)
Syndey Lupkin
NPR
September 16, 2020

[Moderna Releases Covid Trial Plan as Enrollment Tops 25,000](#)
Robert Langreth
Bloomberg
September 17, 2020

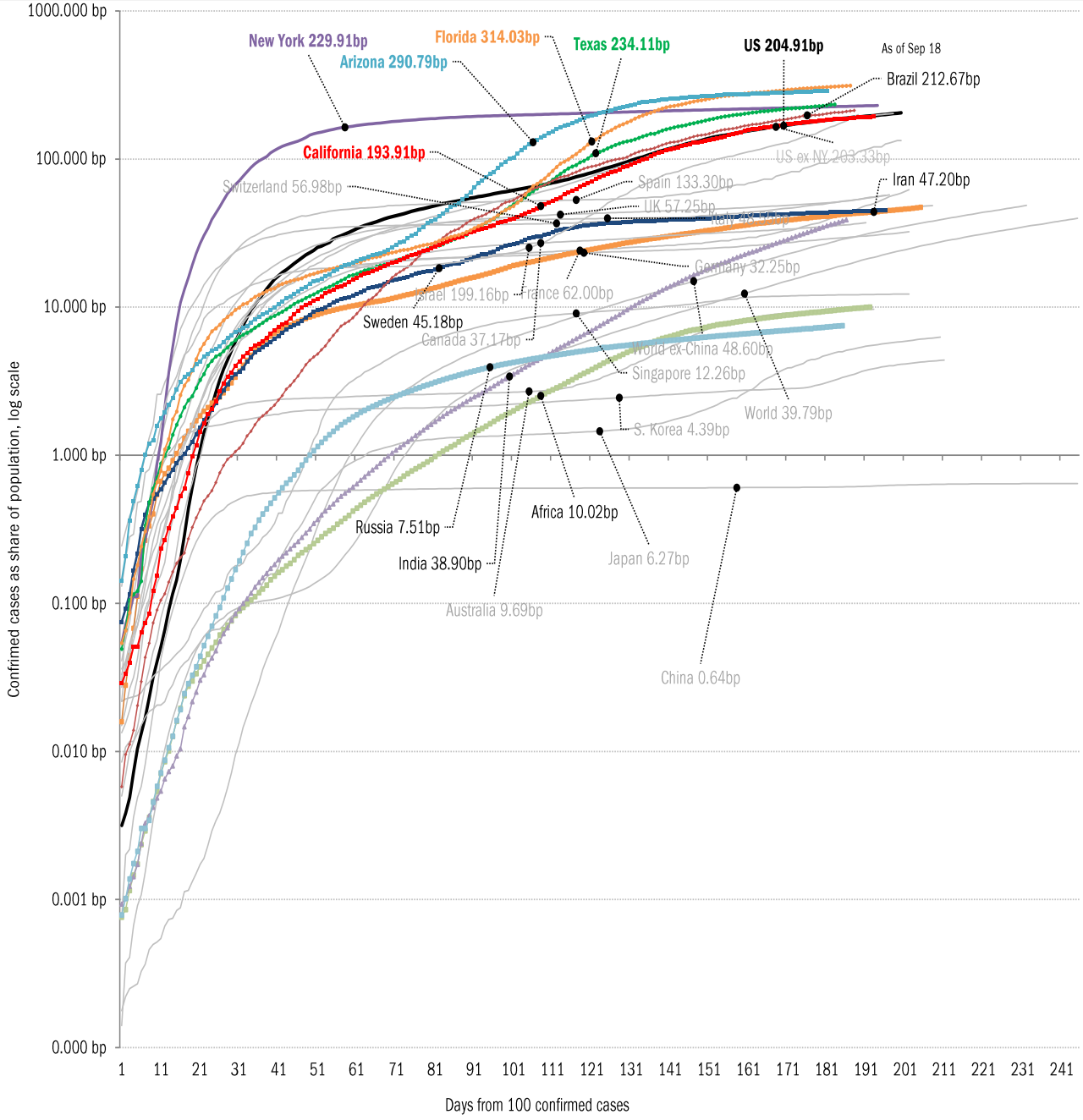
[COVID-19 emails from Nashville mayor's office show disturbing revelation](#)
Dennis Ferrier
WZTV Nashville
September 16, 2020

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

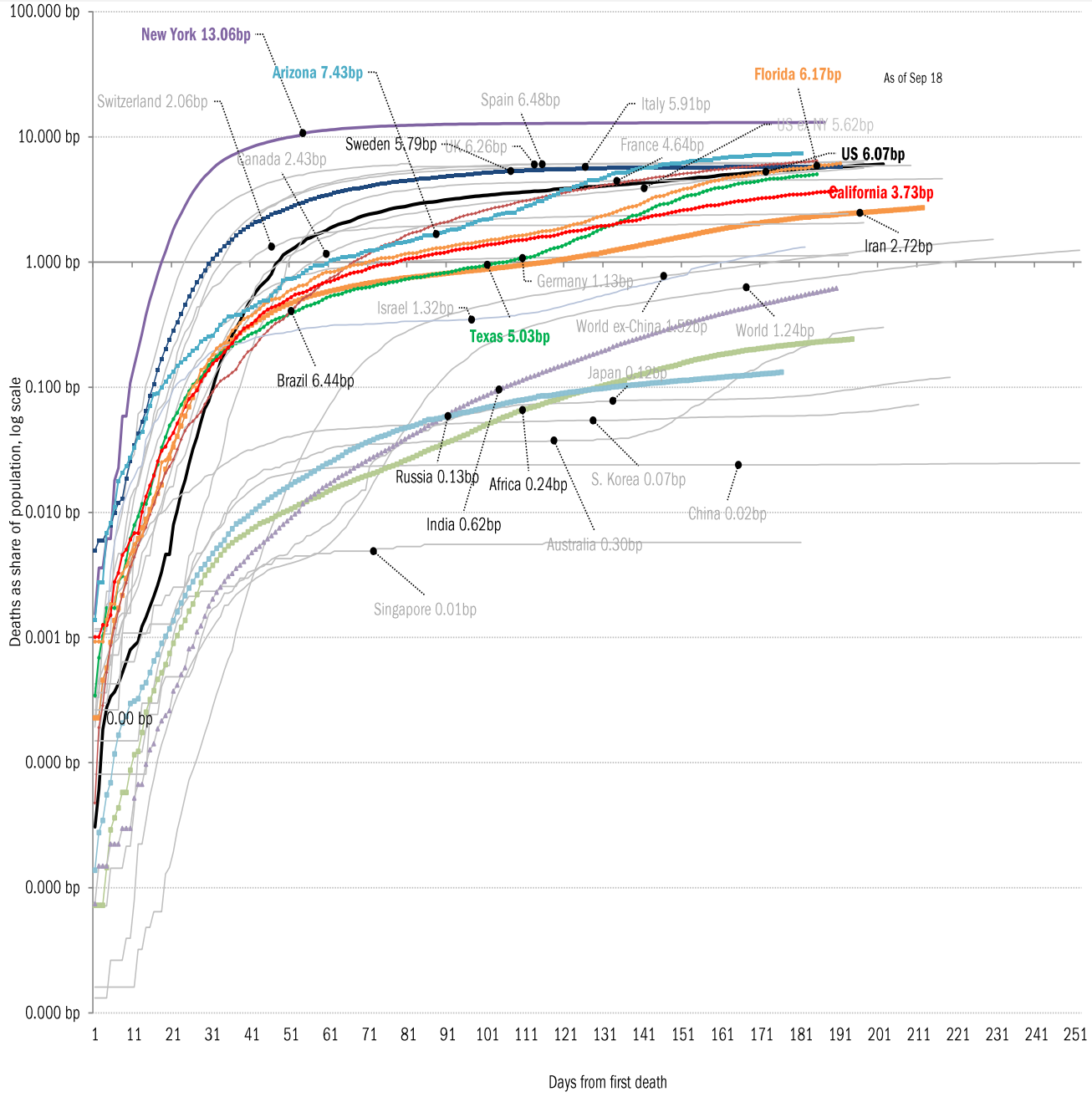
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

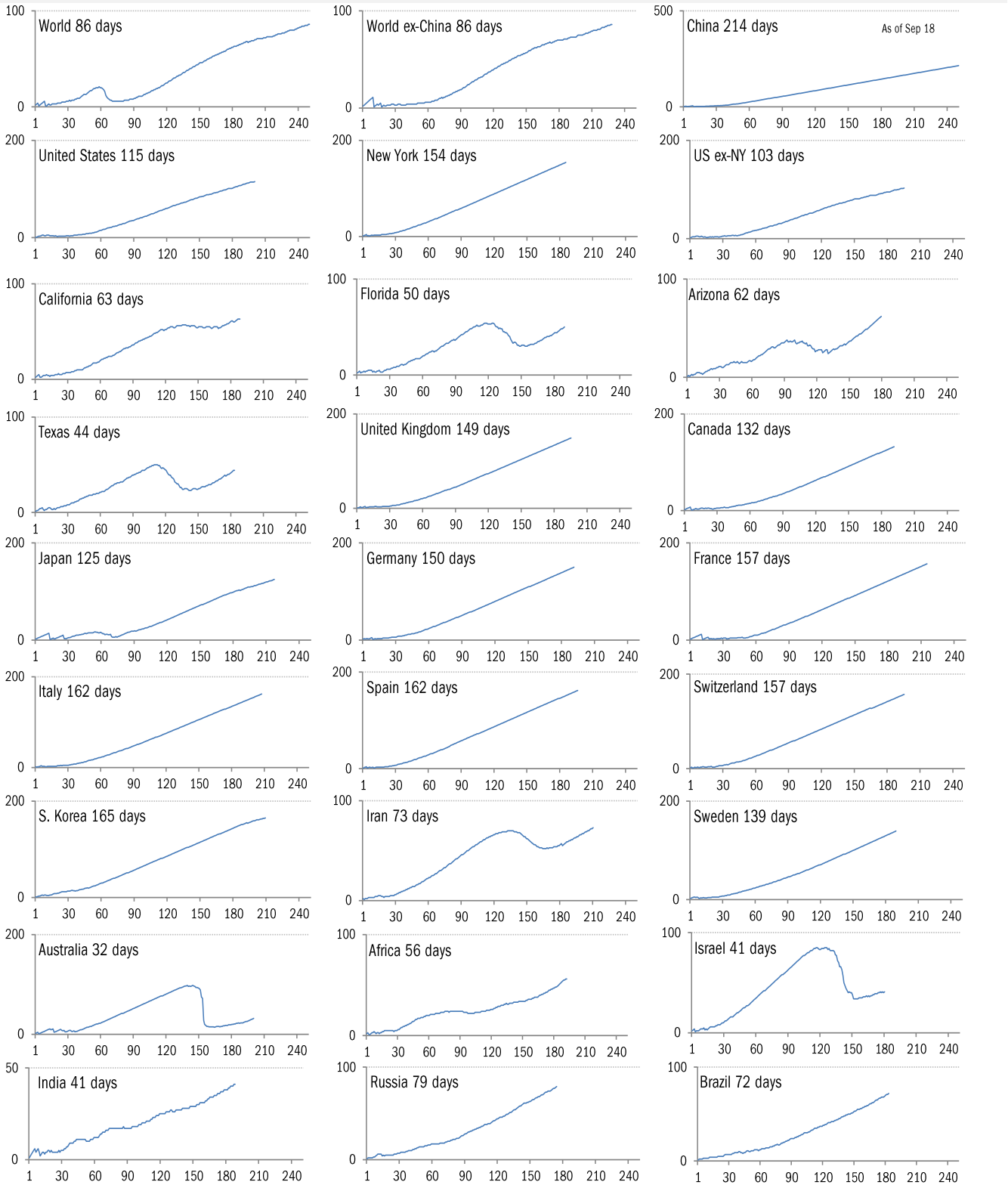


Source: ECDC, TrendMacro calculations

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

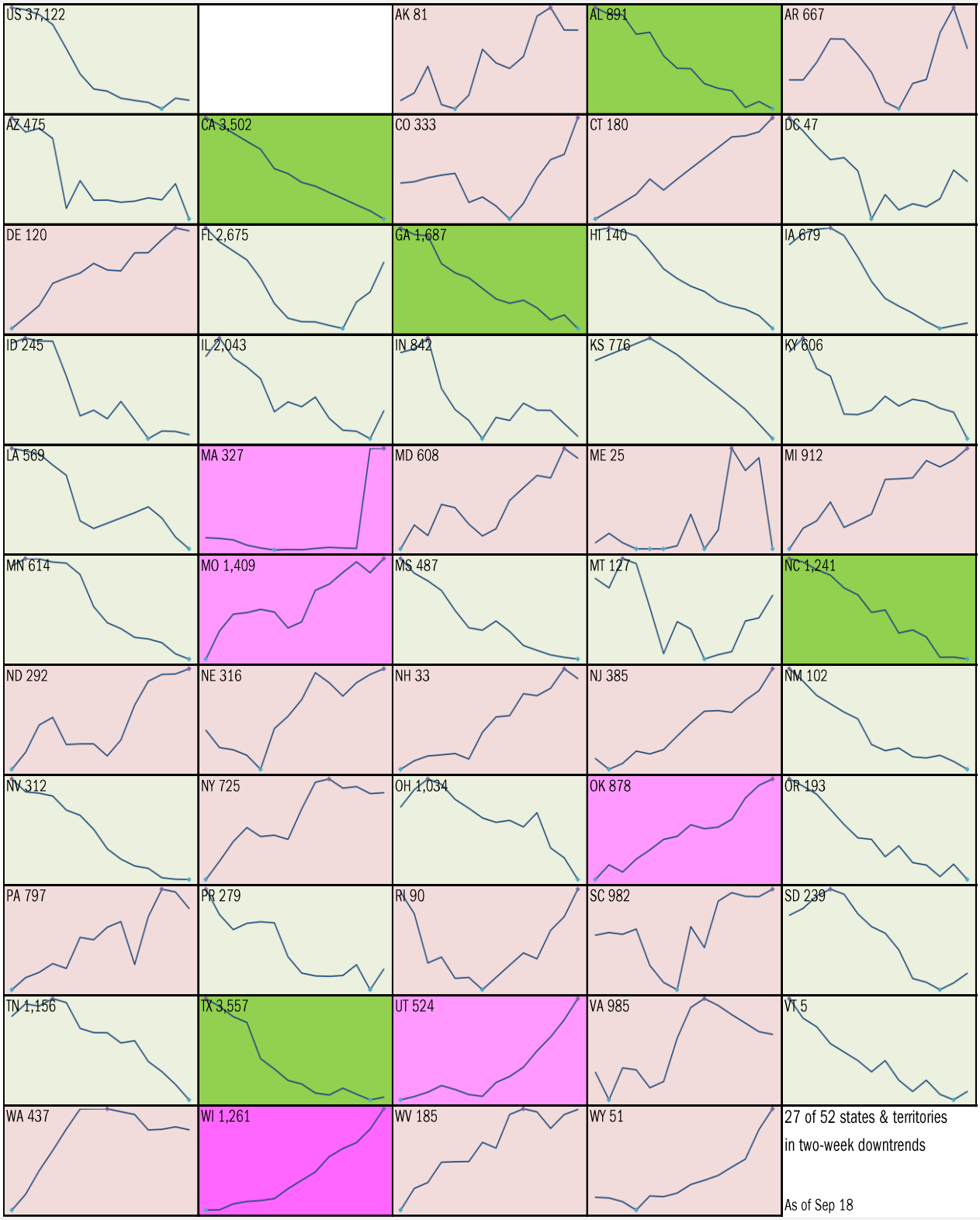


Source: ECDC, TrendMacro calculations

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

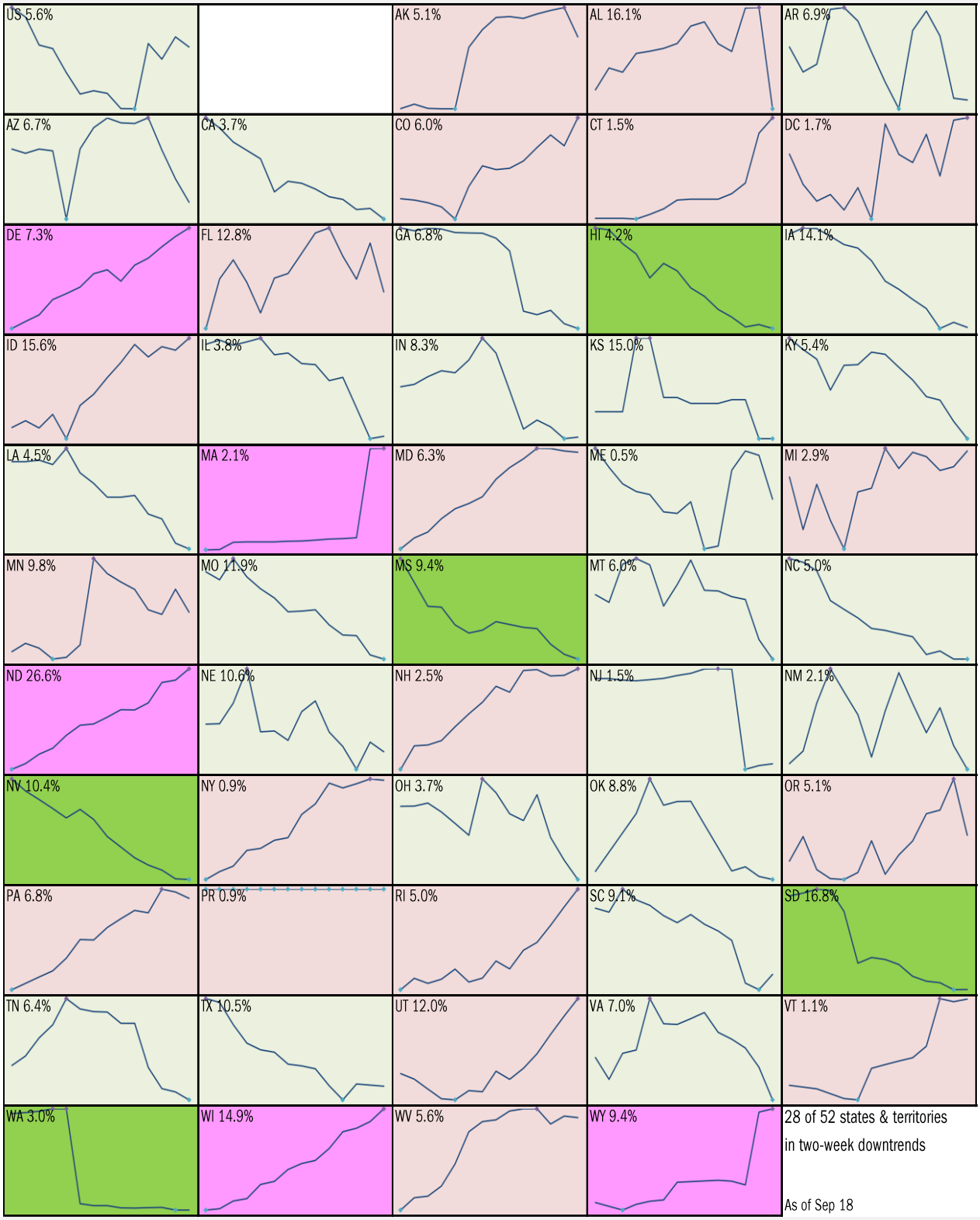


Source: Covid Tracking Project, TrendMacro calculations

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

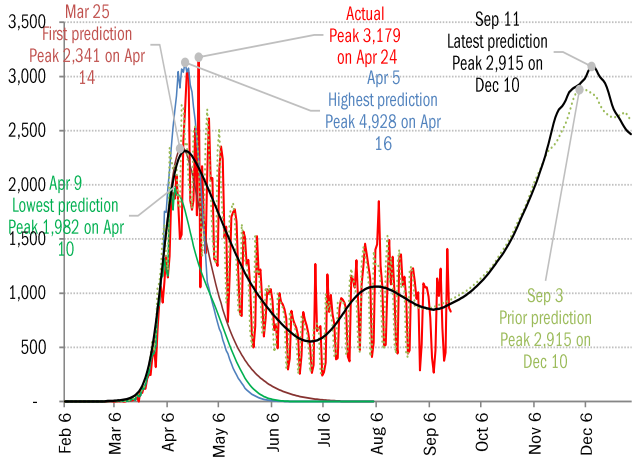


Source: Covid Tracking Project, TrendMacro calculations

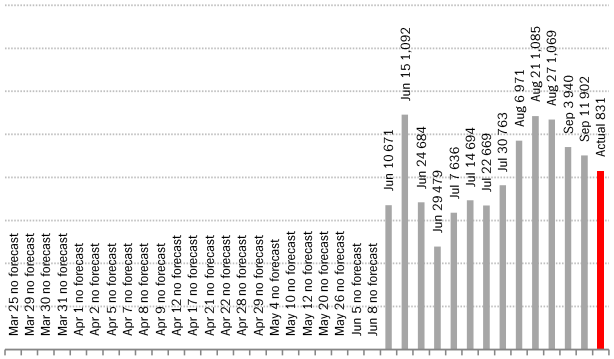
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Sep 18

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

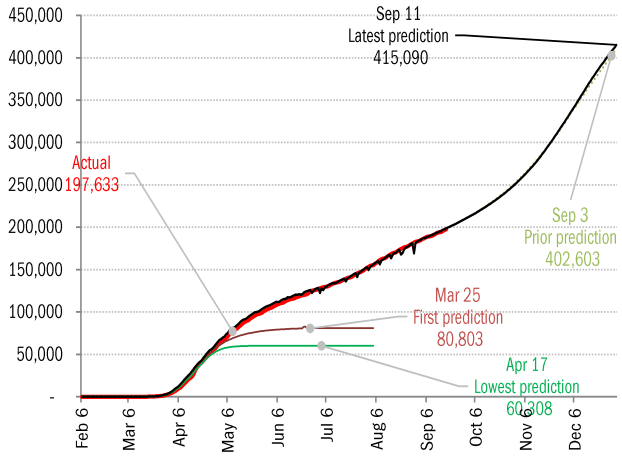


For this day, versus all model mean predictions

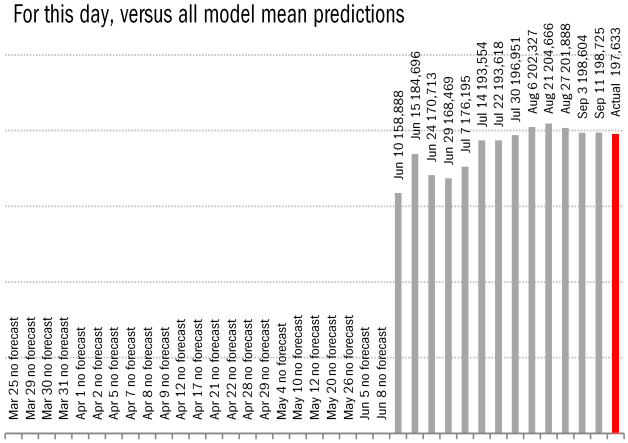


Cumulative fatalities

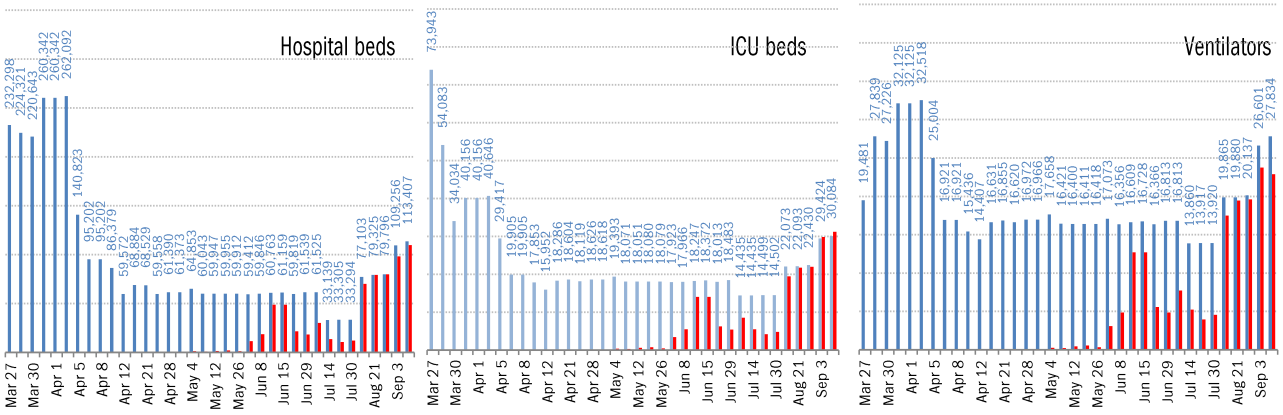
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

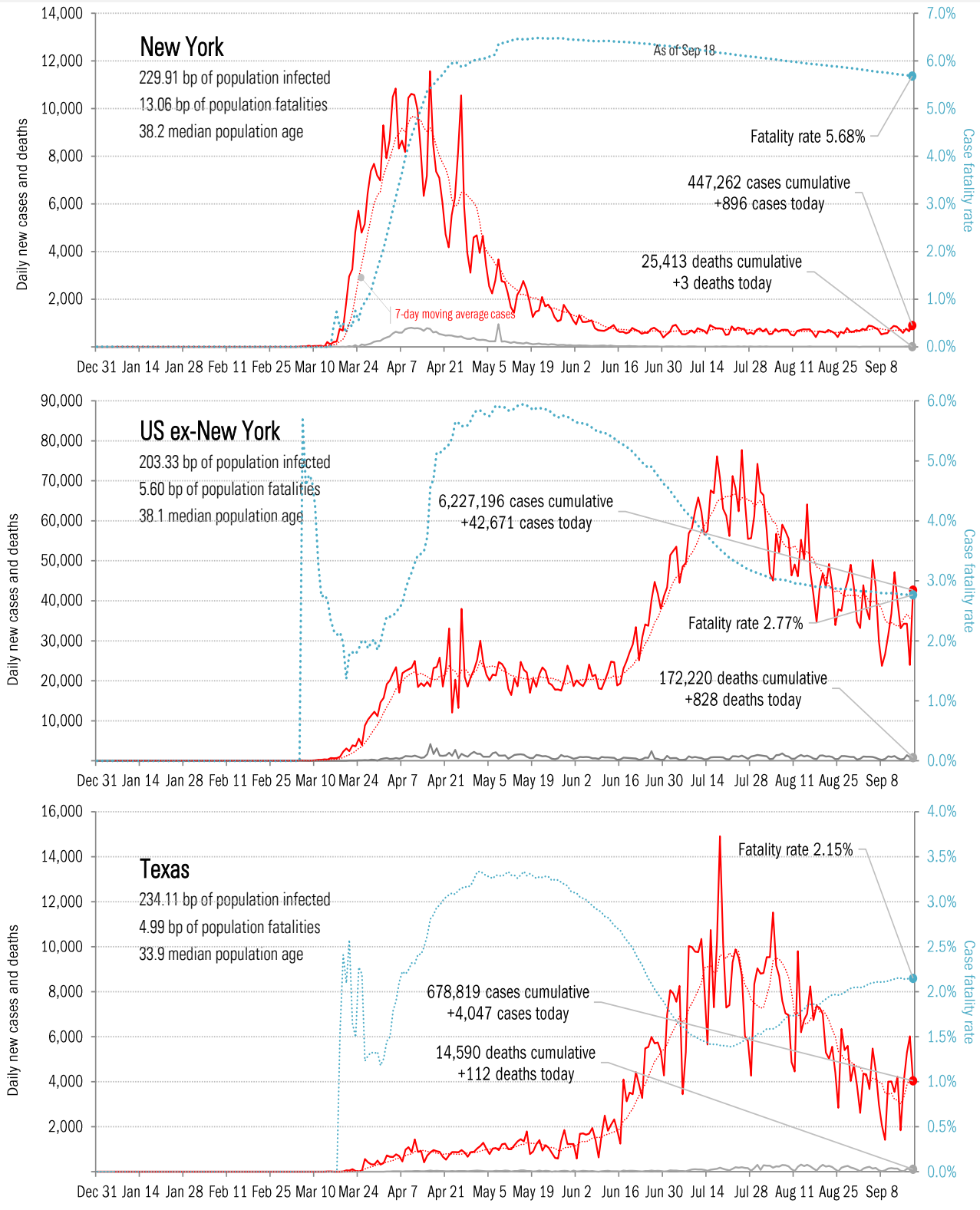


Healthcare system stress, peak and ultimate estimated at each model revision



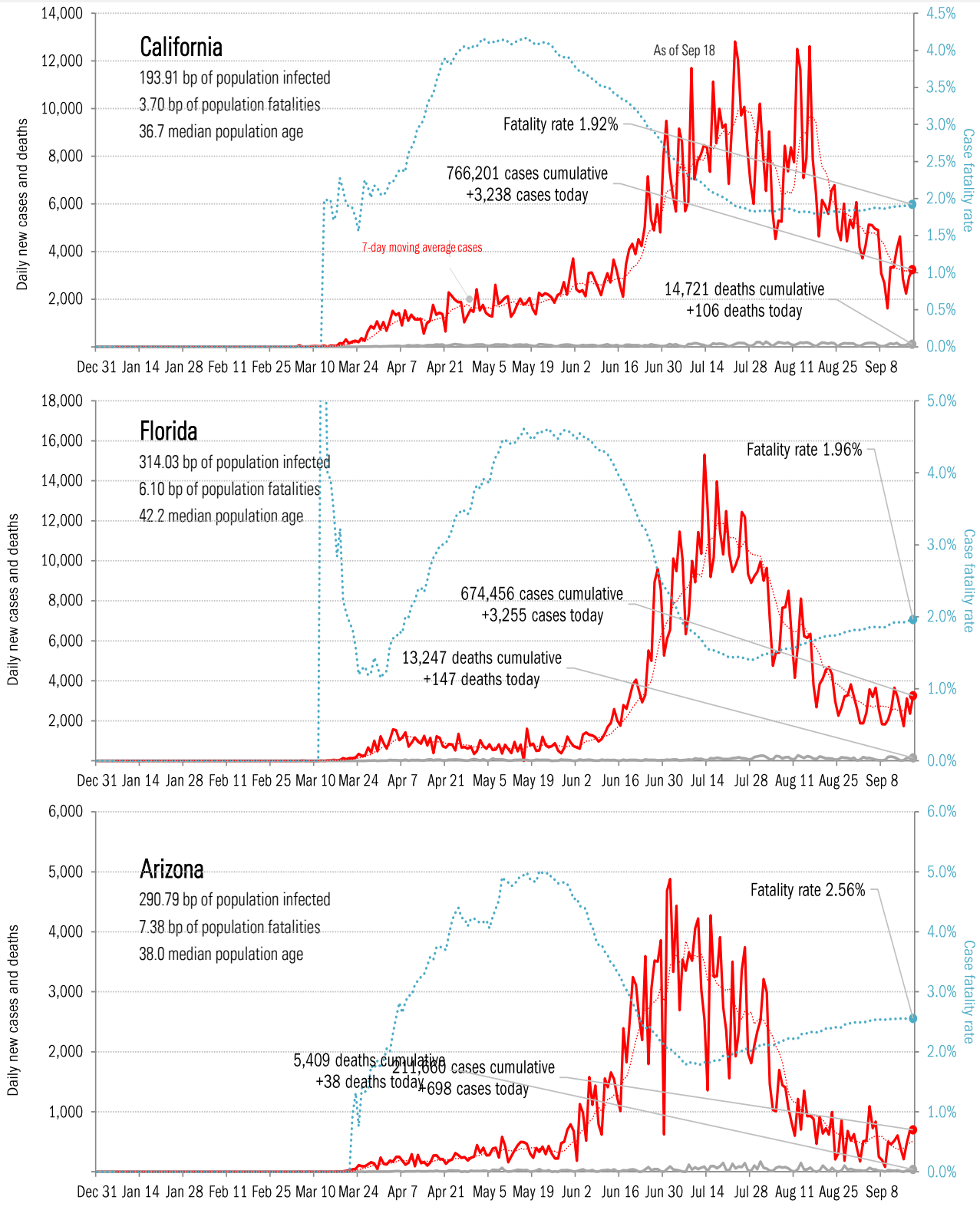
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



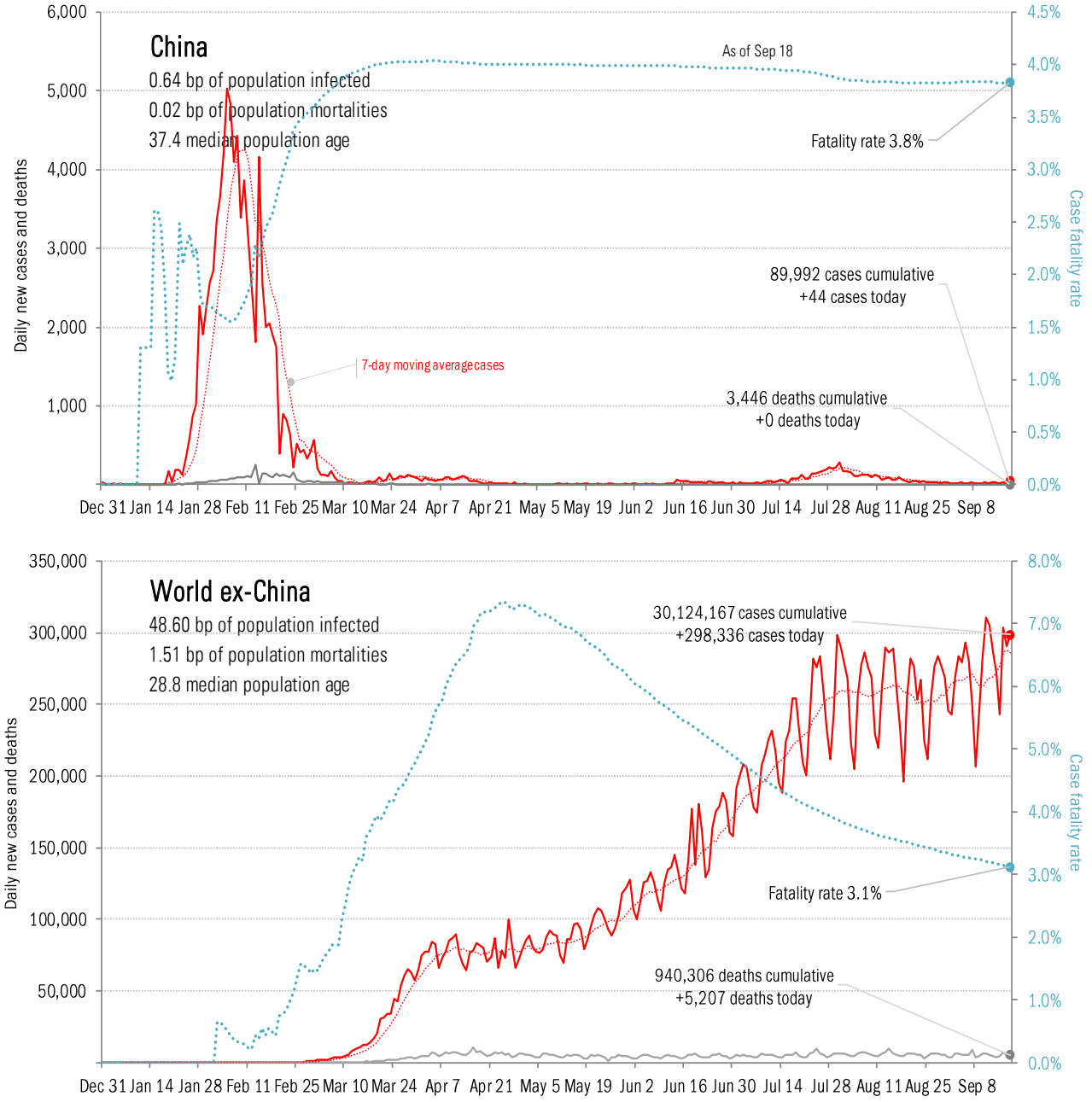
Source: ECDC, TrendMacro calculations

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



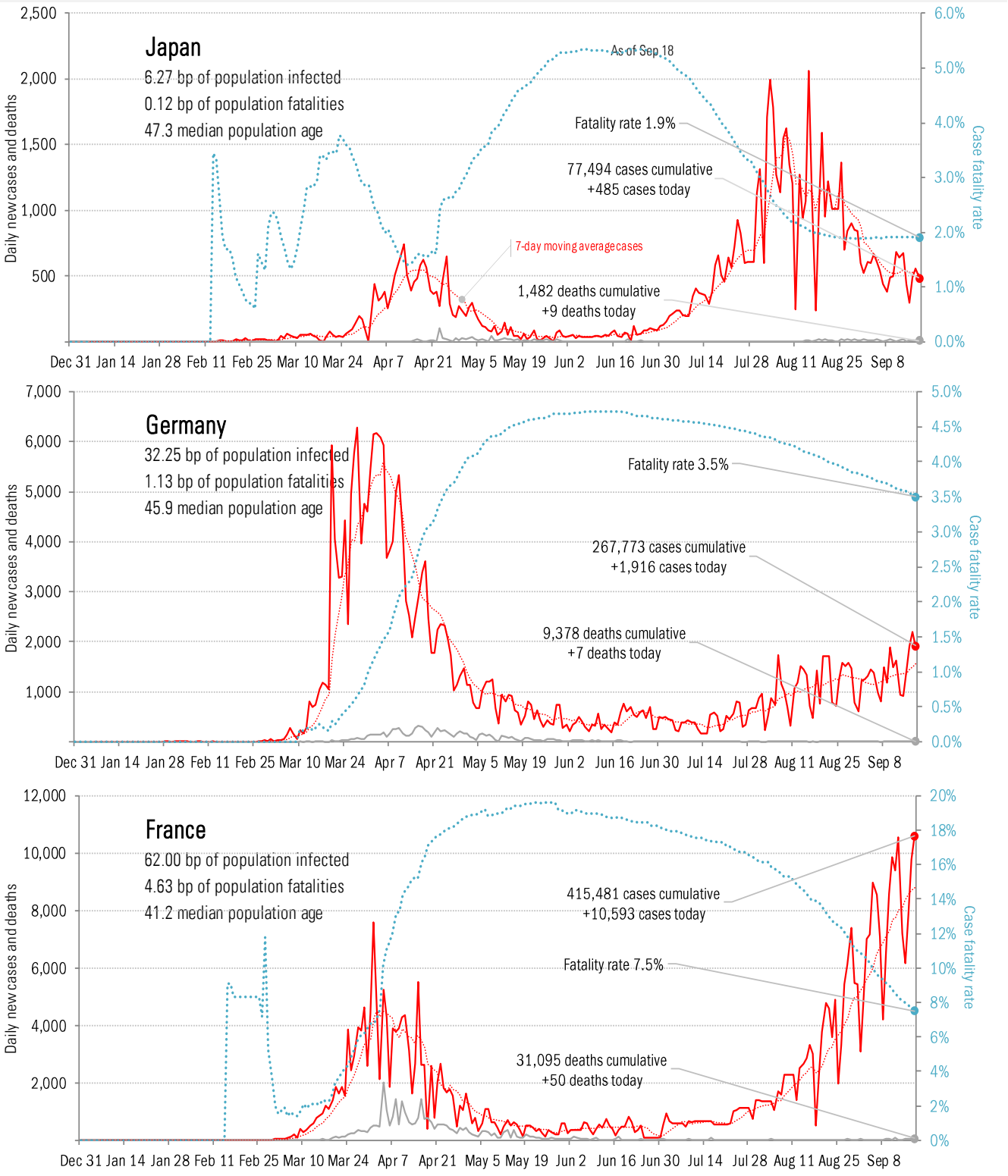
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



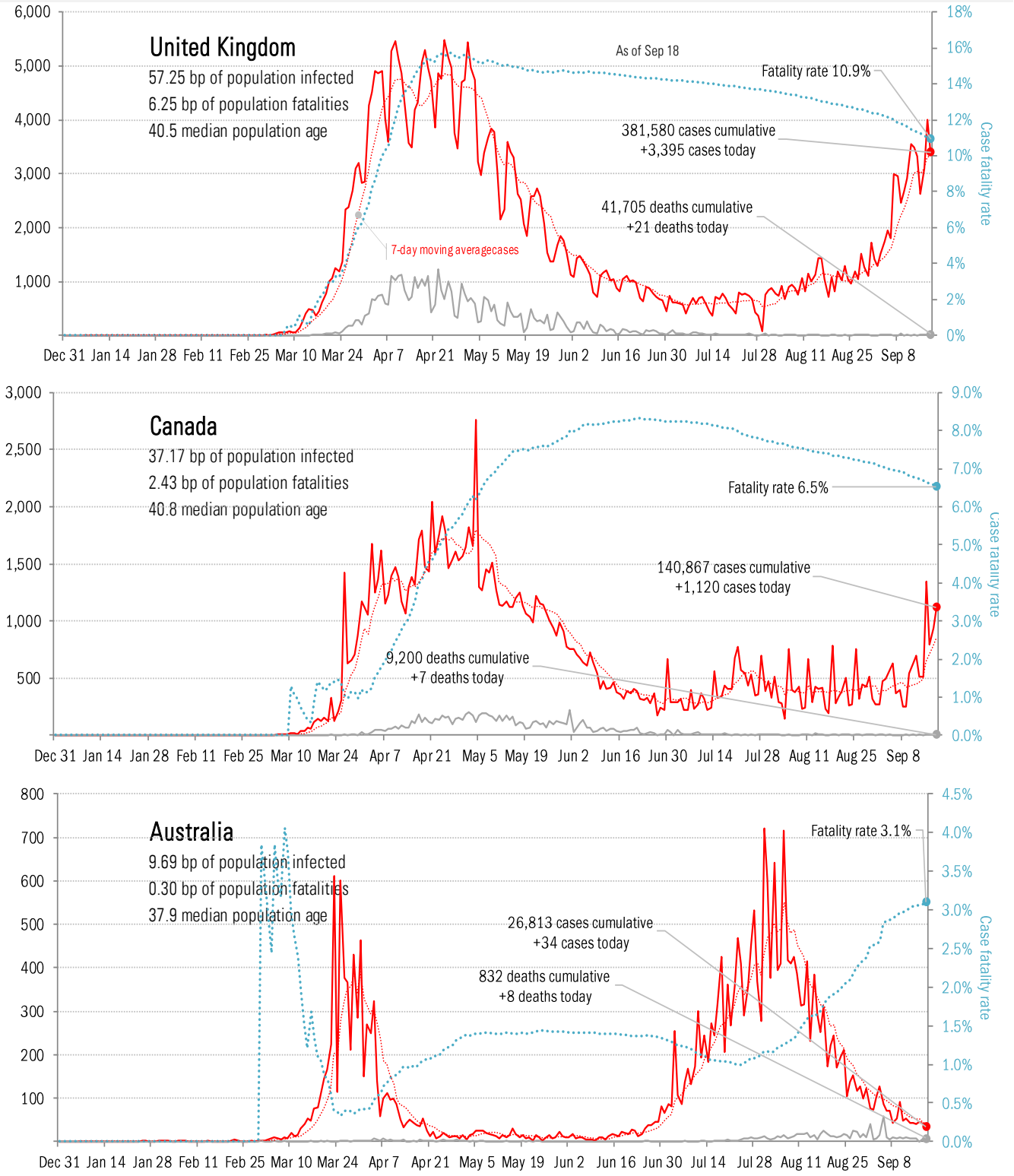
Source: ECDC, TrendMacro calculations

Impact in the largest economies



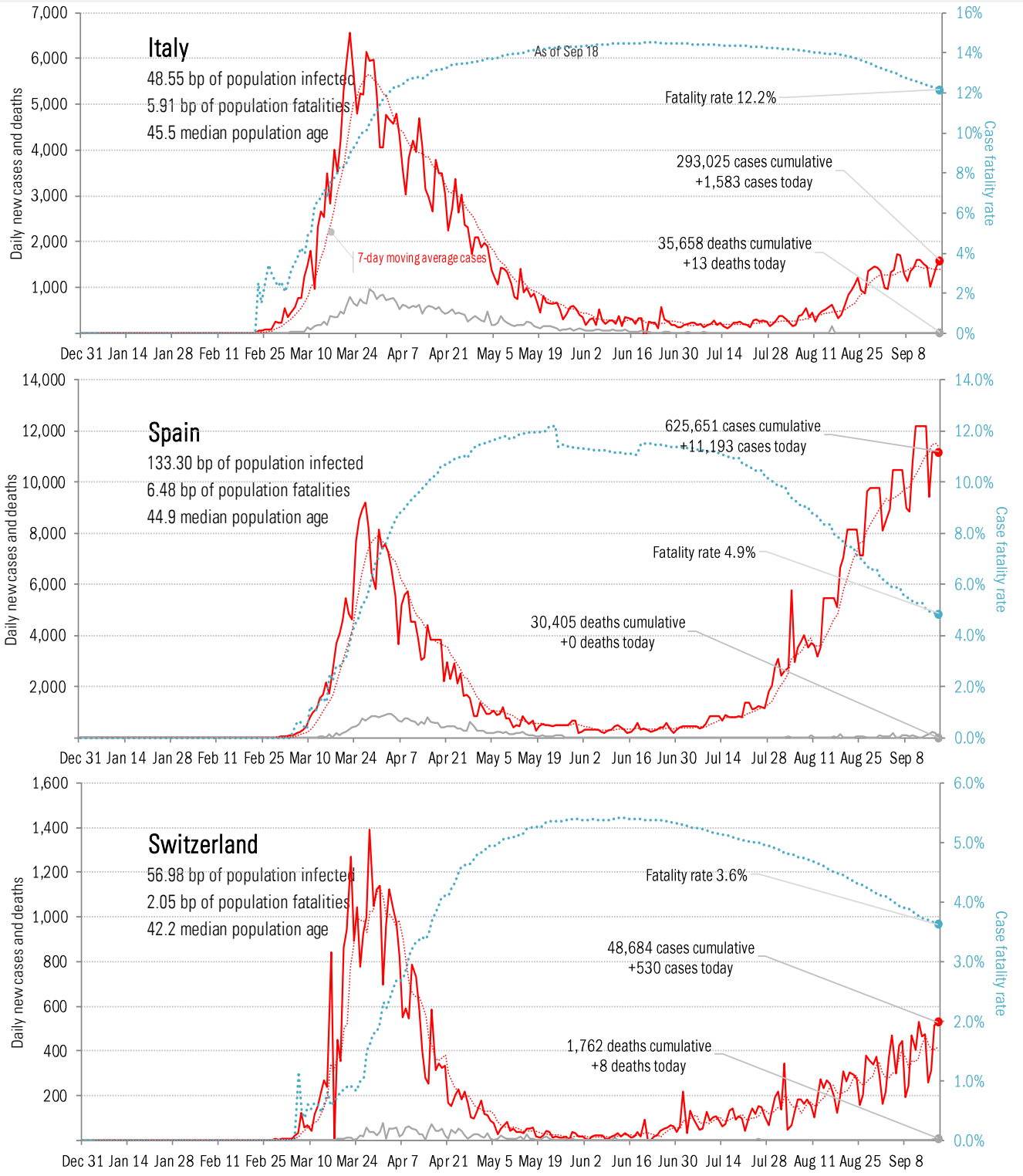
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



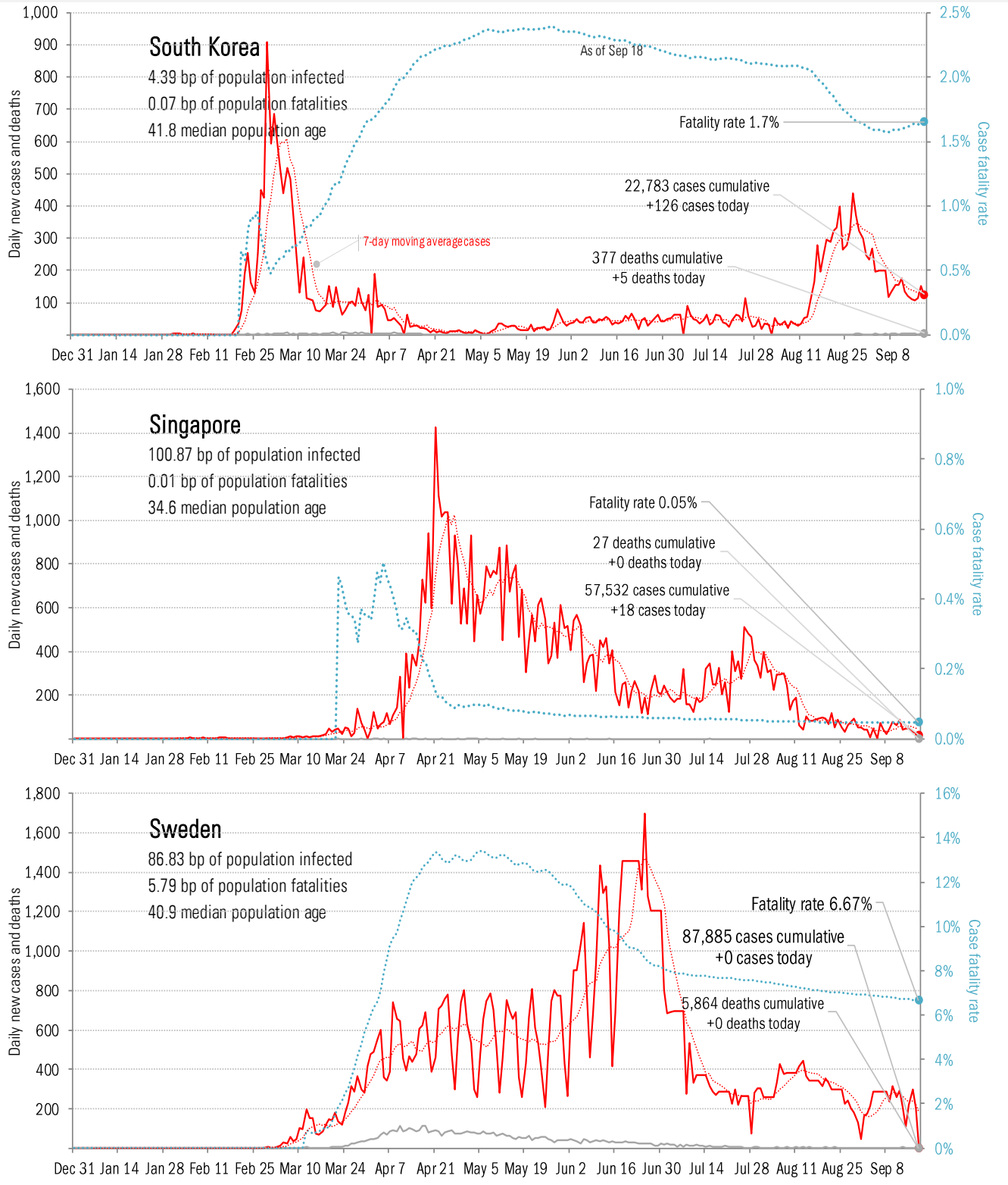
Source: ECDC, TrendMacro calculations

Impact in continental Europe



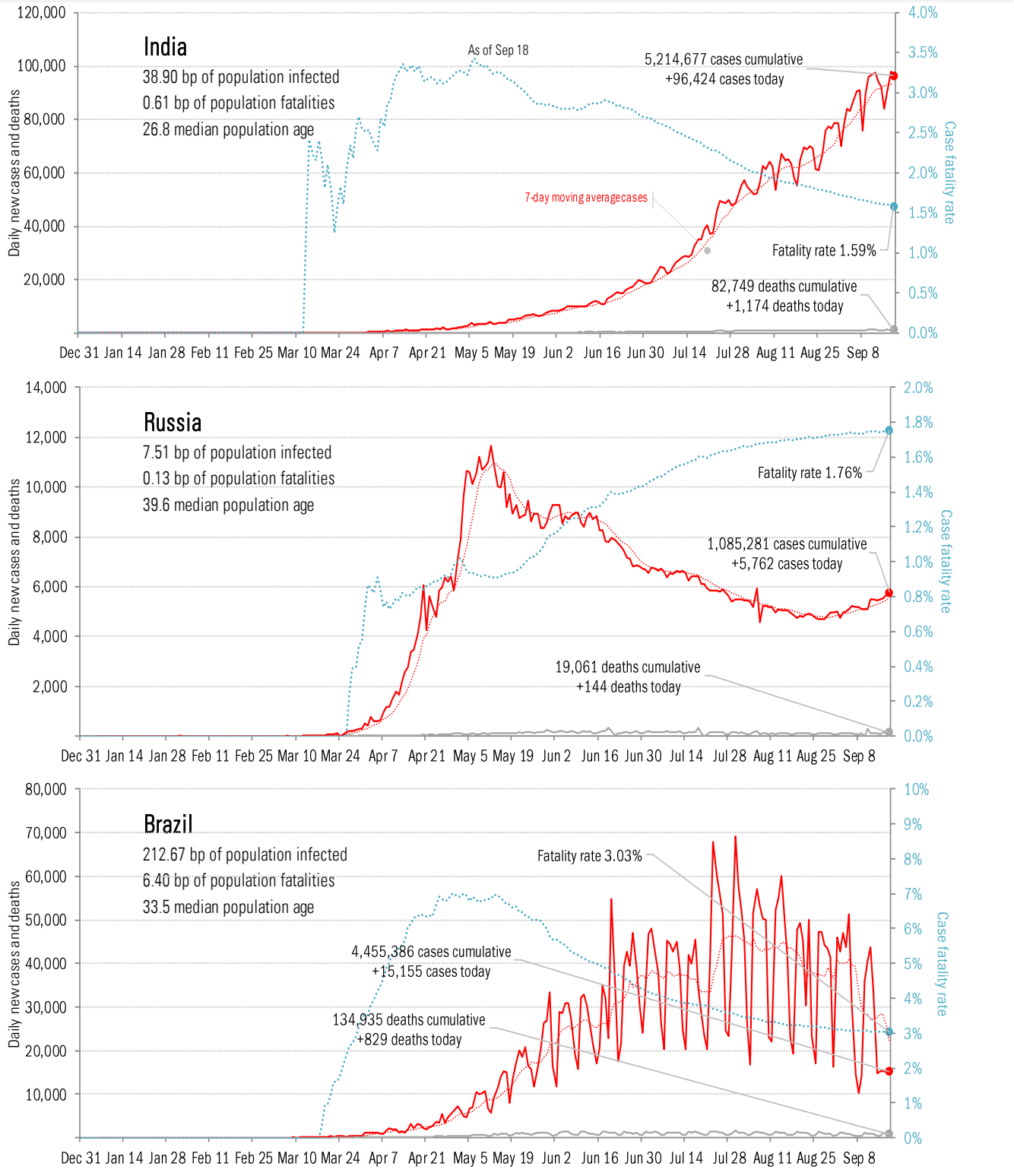
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



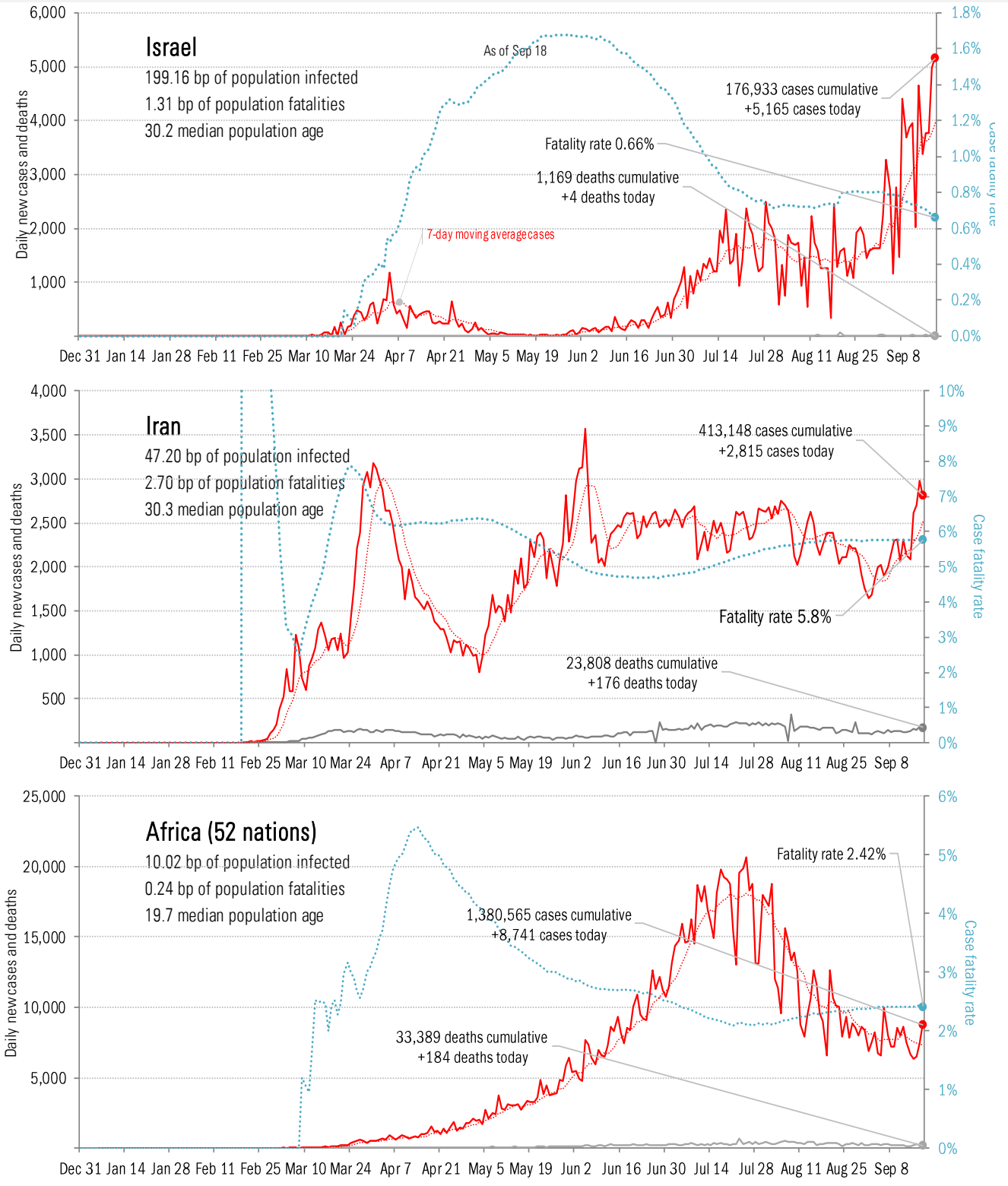
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations