Trend Macrolytics, LLC
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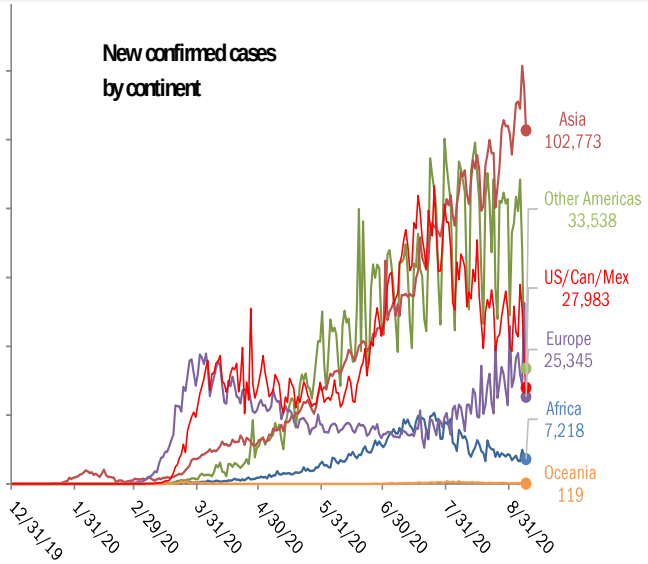
Data Insights: Covid-2019 Monitor

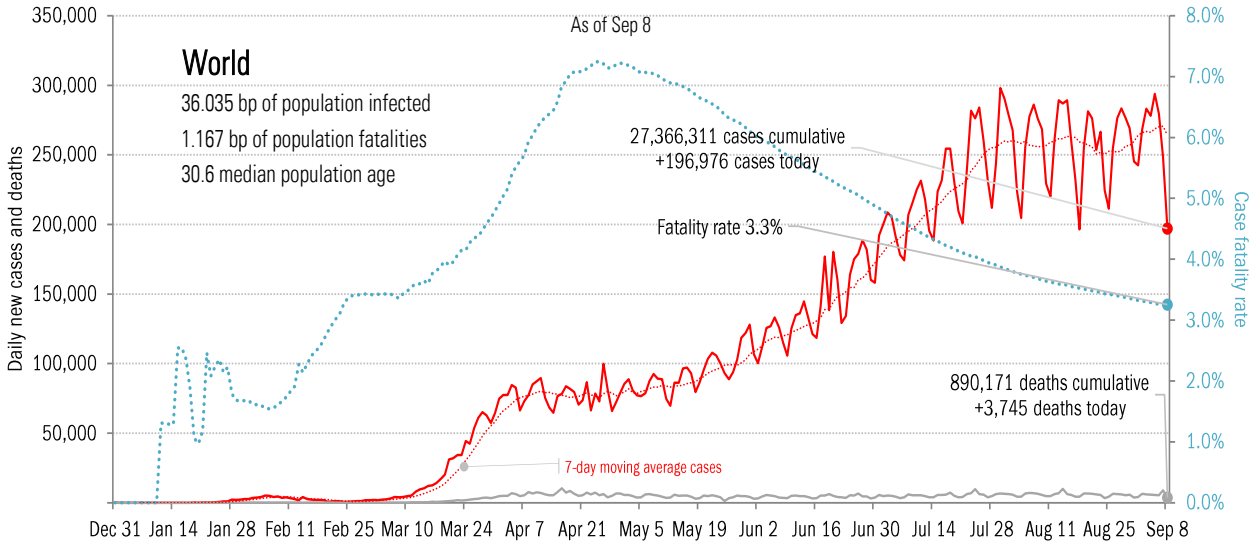
Tuesday, September 8, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+75,809	India	+1,133
US	+24,250	Brazil	+310
Brazil	+10,273	US	+267
Argentina	+6,986	Mexico	+223
Colombia	+5,327	Colombia	+203
Russia	+5,185	Peru	+138
Israel	+4,399	Iran	+117
Iraq	+4,314	South_Africa	+115
France	+4,203	Argentina	+105
Mexico	+3,486	Indonesia	+105
	+144,232		+2,716
World	+196,976	World	+3,745
Top ten	73%	Top ten	73%





Source: ECDC, TrendMacro calculations

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The US scorecard

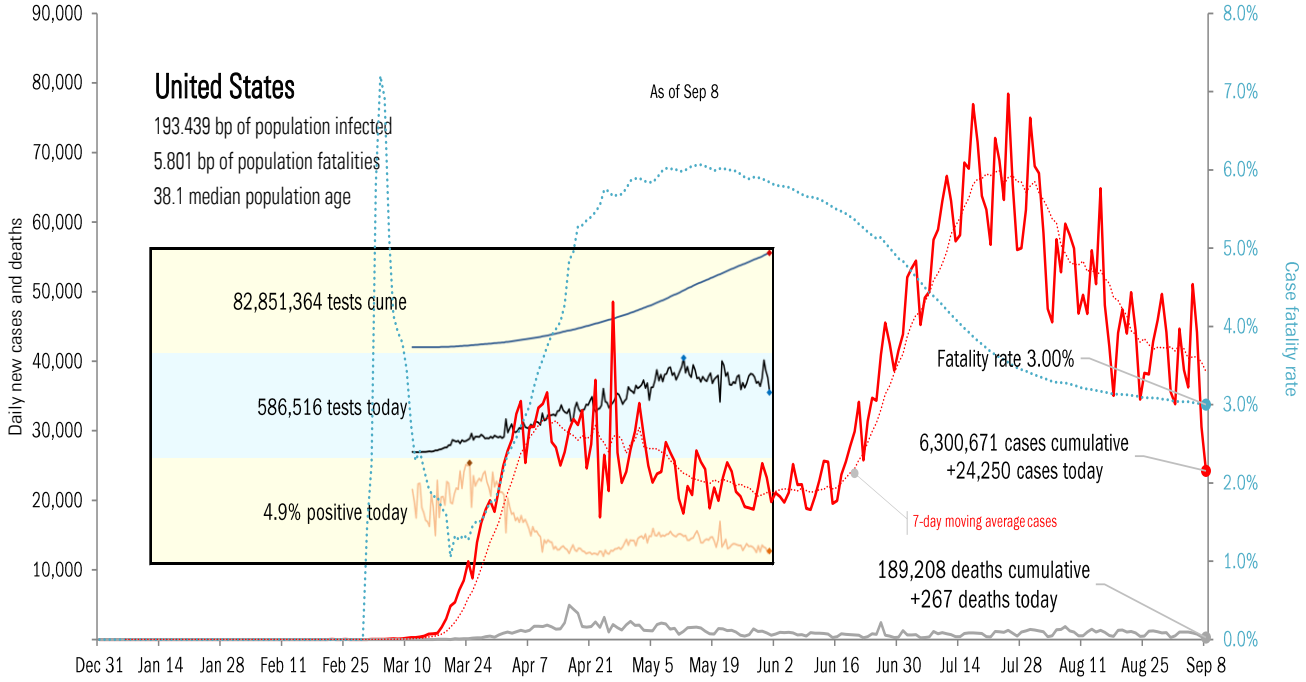
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+3,091	FL	+22	FL	+60	CA	735,235	NY	25,361	NY	89,995
TX	+2,060	PA	+20	CH	+46	FL	648,269	NJ	15,991	FL	40,547
FL	+1,838	SC	+20	IN	+45	TX	640,370	CA	13,726	GA	25,538
KS	+1,694	TX	+20	VA	+37	NY	440,021	TX	13,492	NJ	22,802
IL	+1,381	CA	+17	MD	+30	GA	283,807	FL	12,023	AZ	21,525
MI	+1,212	CH	+17	SC	+27	IL	252,889	MA	9,133	VA	16,803
AR	+1,054	AR	+14	KS	+26	AZ	205,964	IL	8,398	AL	14,914
NC	+1,018	LA	+12	AR	+24	NJ	194,390	PA	7,780	MD	14,603
TN	+983	IL	+8	MN	+24	NC	177,919	MI	6,810	CH	13,887
MO	+906	MA	+8	WI	+19	TN	165,109	GA	6,044	MA	12,357
	+15,237		+158		+338		3,743,973		118,758		272,971
All states	+28,628	All states	+224	All states	+490	All states	6,275,874	All states	181,328	All states	378,877
Top ten	53%	Top ten	71%	Top ten	69%	Top ten	60%	Top ten	65%	Top ten	72%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CA	-1,814	GA	-53	FL	-54	NC	+10,768
LA	-1,086	CA	-49	MD	-27	IN	+992
GA	-1,043	LA	-46	MN	-19	MN	+940
TX	-935	TX	-44	AZ	-9	TN	+854
TN	-781	MO	-18	GA	-7	WI	+572



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

Recommended reading

[It's now looking like the lockdowns may have been a huge mistake]
Michael Barone
New York Post
September 6, 2020

[UArizona: COVID-19 rerun tests reveal some student-athletes, others had false-positive results]
Maria Arey
ABC 15 Arizona
September 6, 2020

[The sudden spike in Mass. COVID-19 cases was jarring. Now, the company that did the tests is under investigation.]
Jeannette Hinkle and Trevor Ballantyne
Gardner News
September 4, 2020

[Covid tests could be picking up DEAD virus cells from weeks' old infections and 'false positives' could be exaggerating scale of pandemic, claims study]
Emer Scully
Daily Mail
September 5, 2020

[Tennessee Tells Woman She Has Covid-19, But She Died Months Ago]
Drew Berquist
LifeZette
September 6, 2020

[Back to work: Dallas leads the country in employees returning to the office]
Steve Brown
Dallas Morning News
September 7, 2020

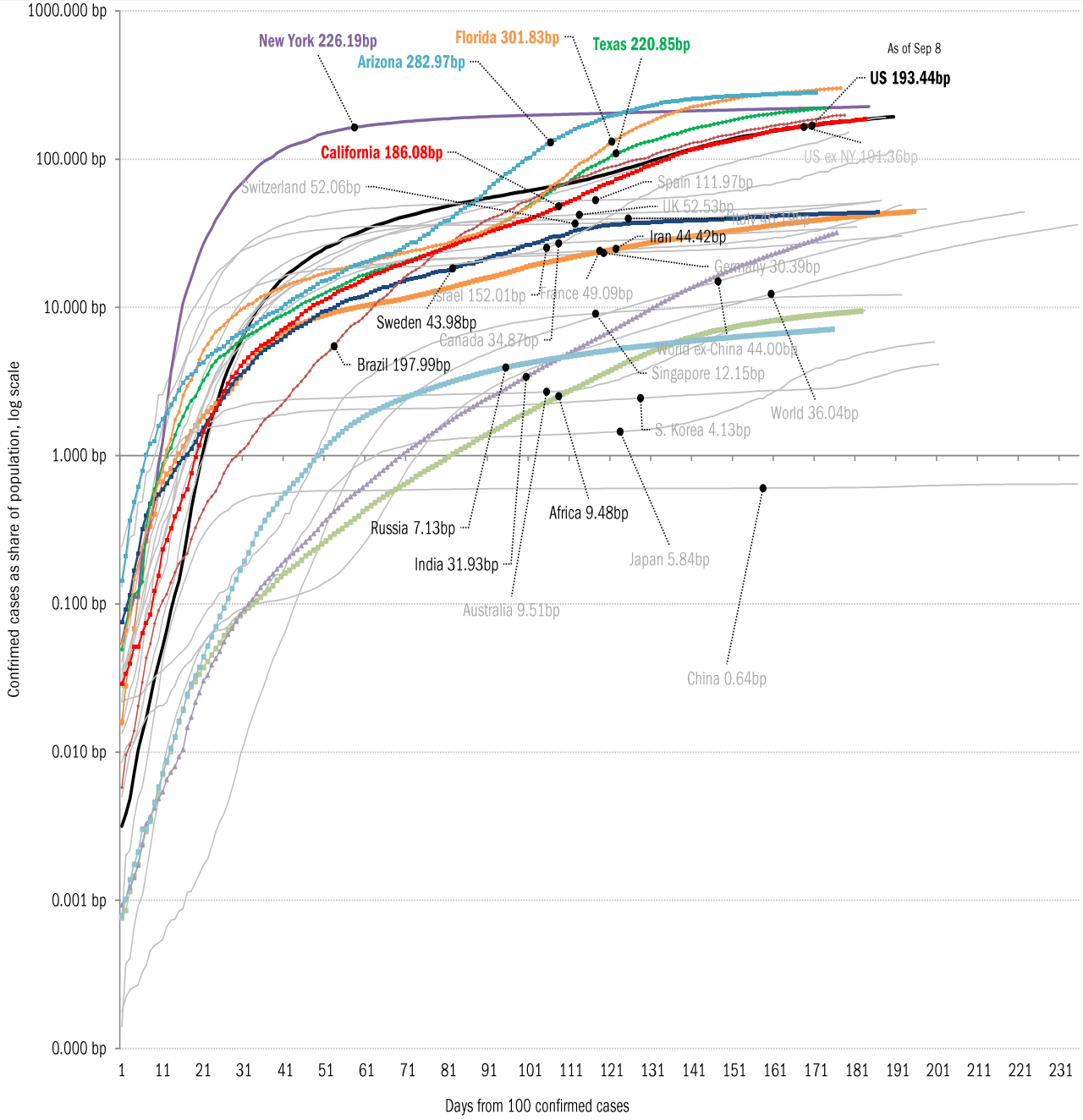
[The Case Against Covid Tests for the Young and Healthy]
Jay Bhattacharya and Martin Kulldorff
Wall Street Journal
September 3, 2020

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

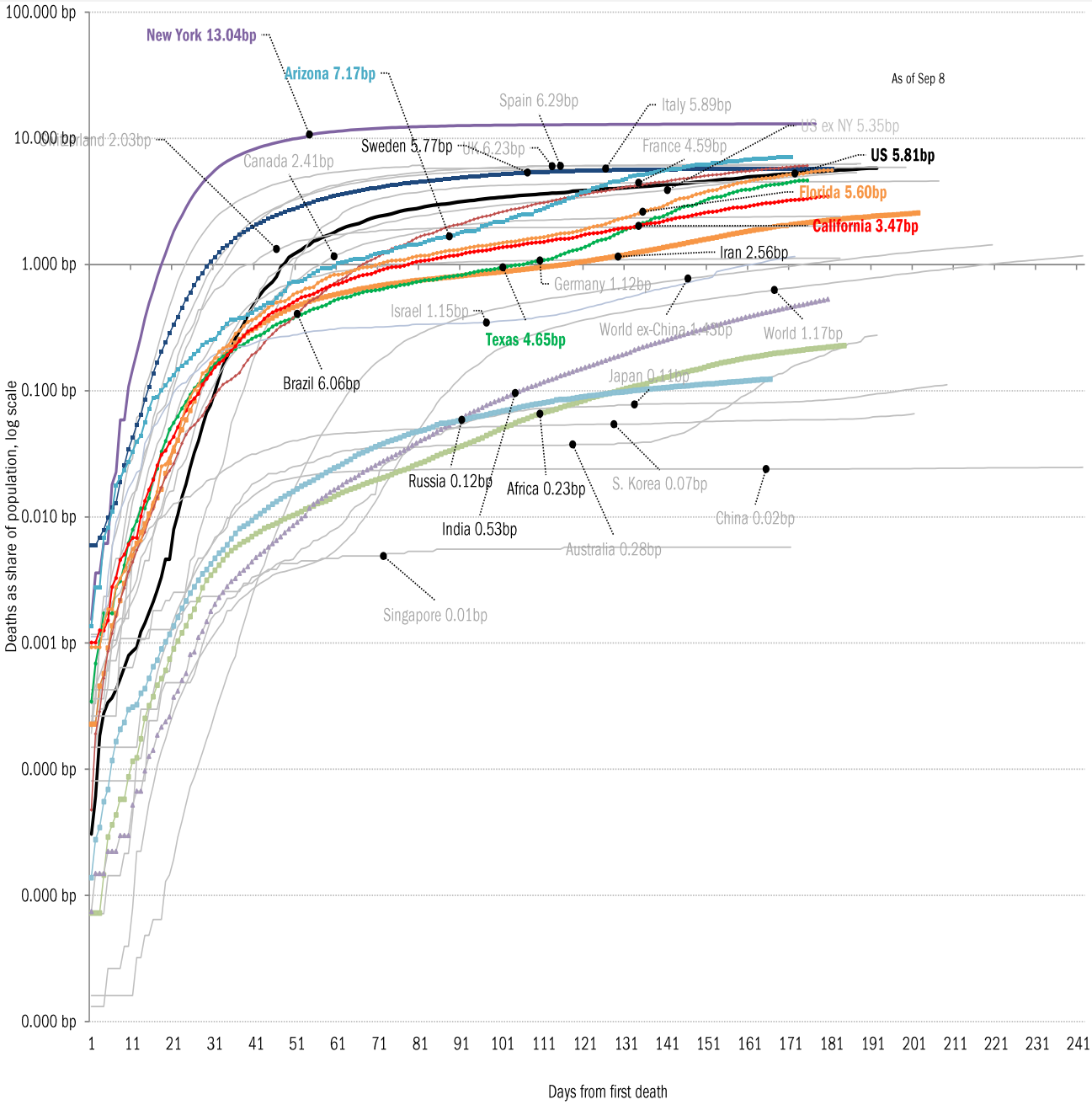
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

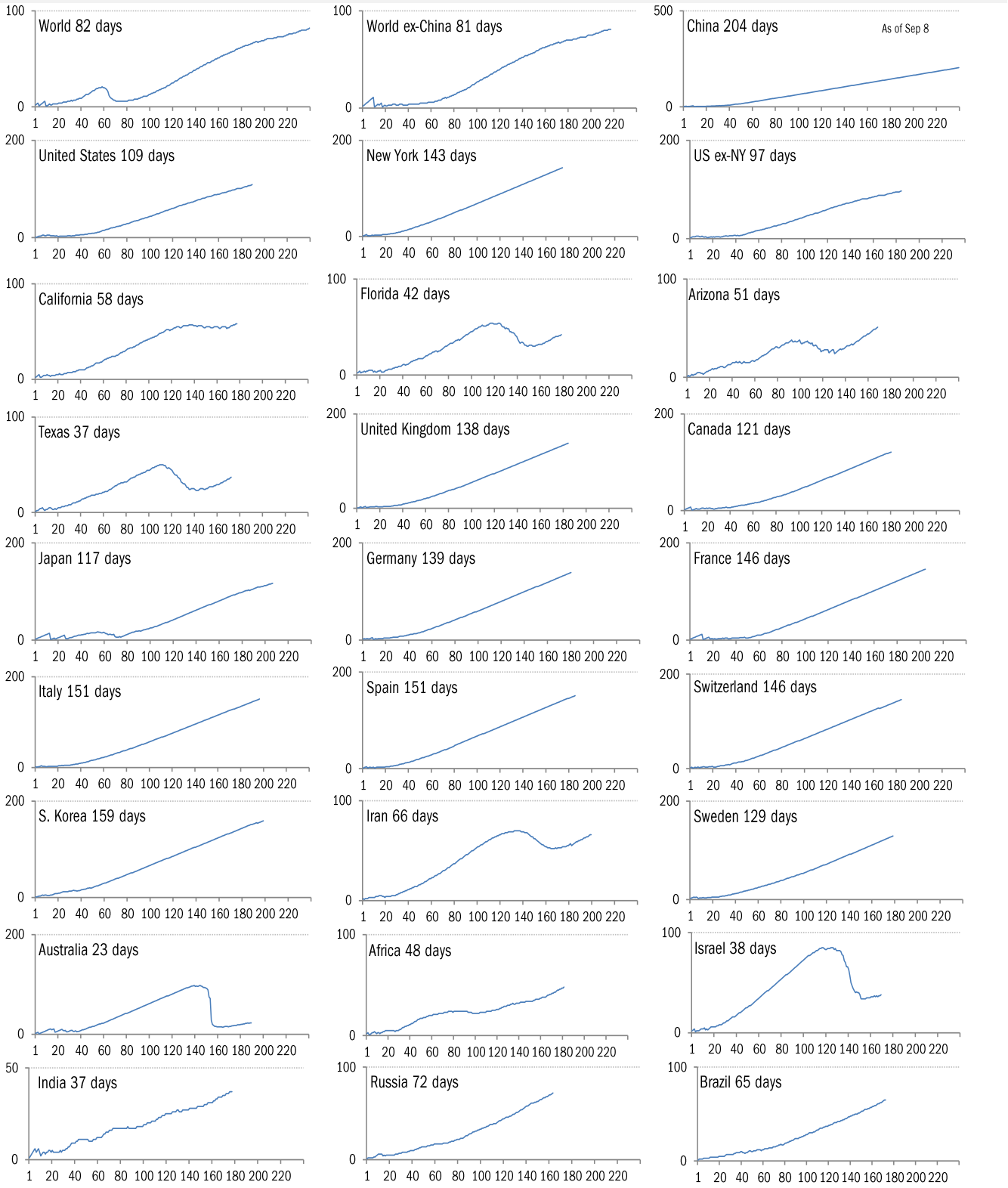


Source: ECDC, TrendMacro calculations

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

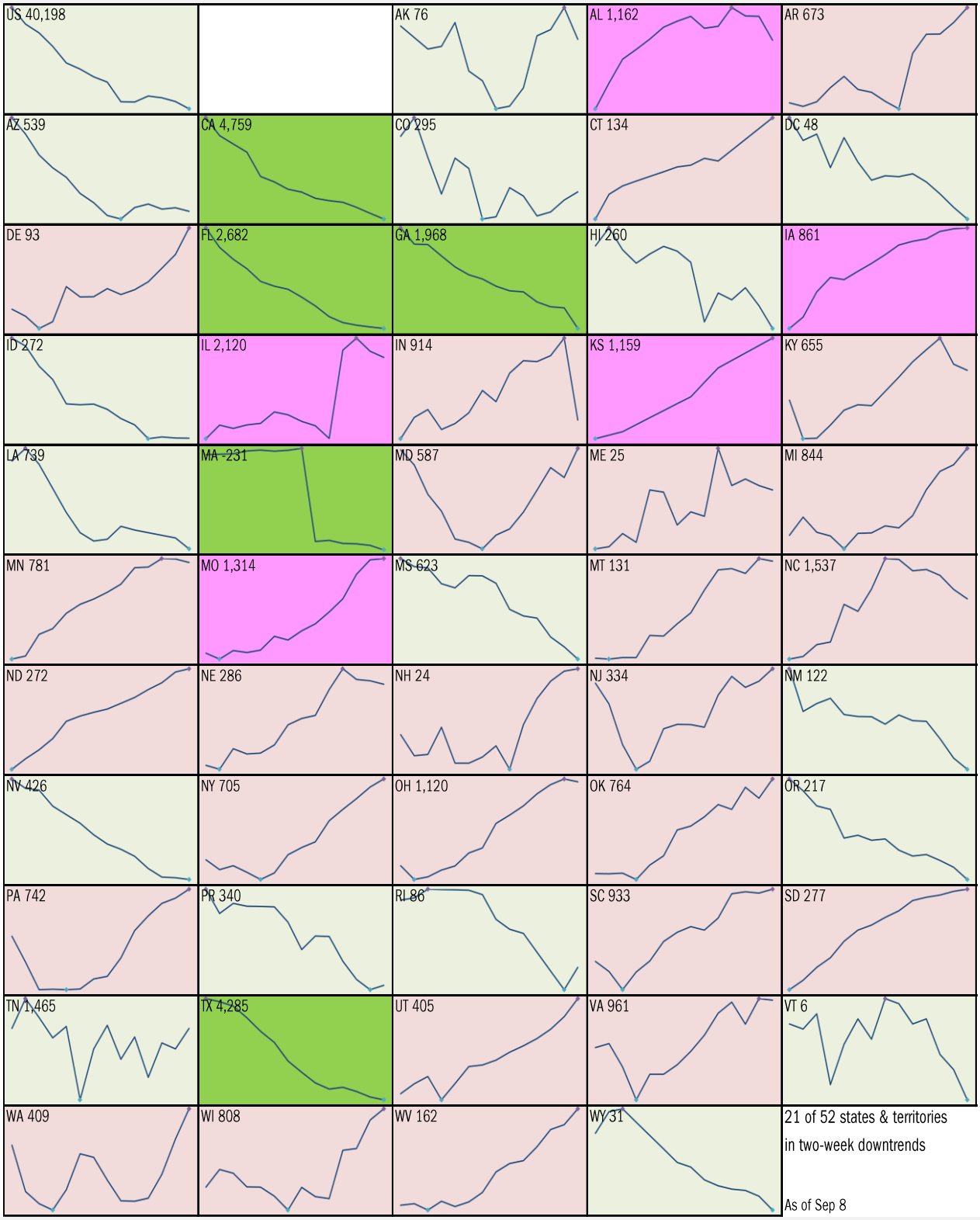


Source: ECDC, TrendMacro calculations

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

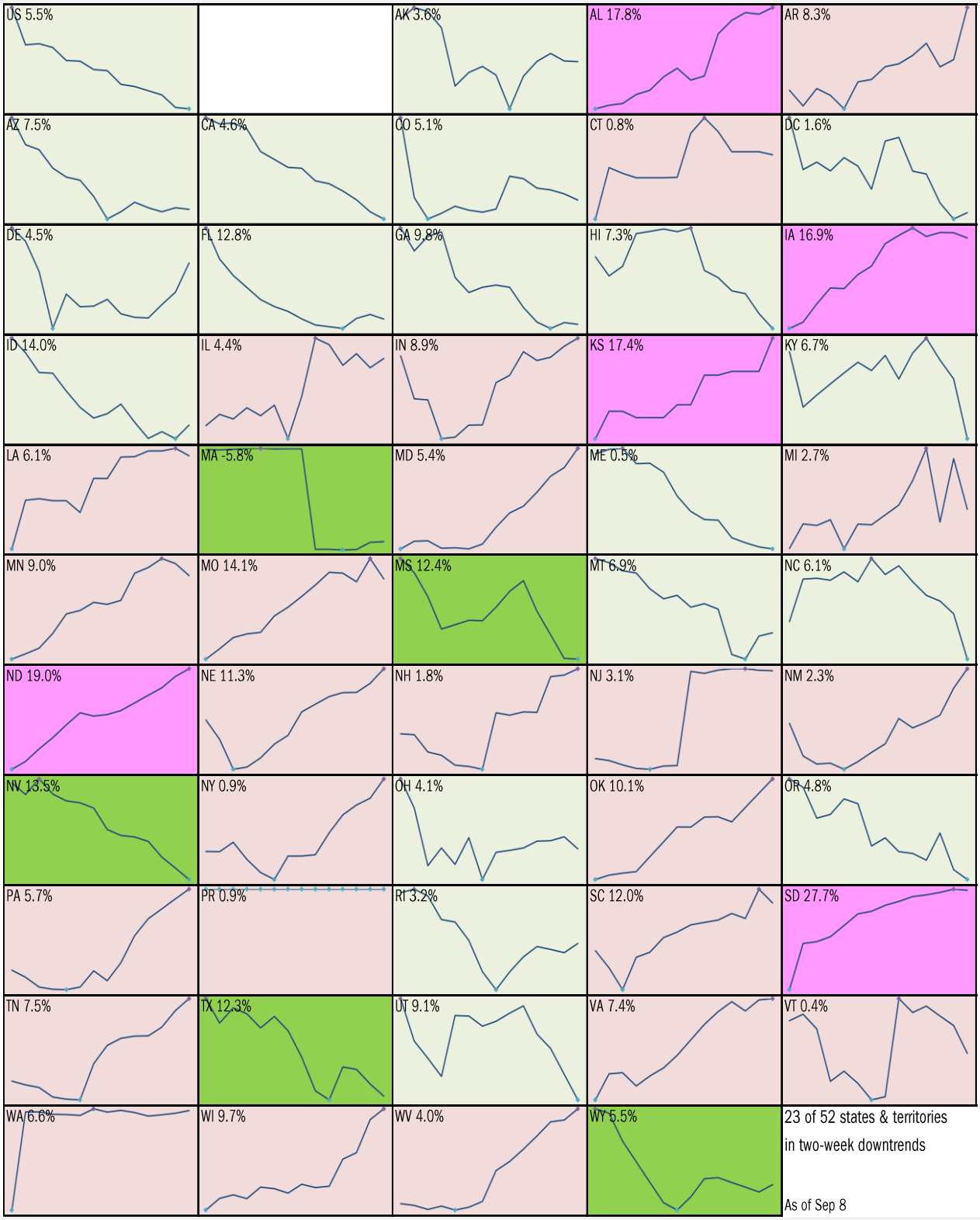


Source: Covid Tracking Project, TrendMacro calculations

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

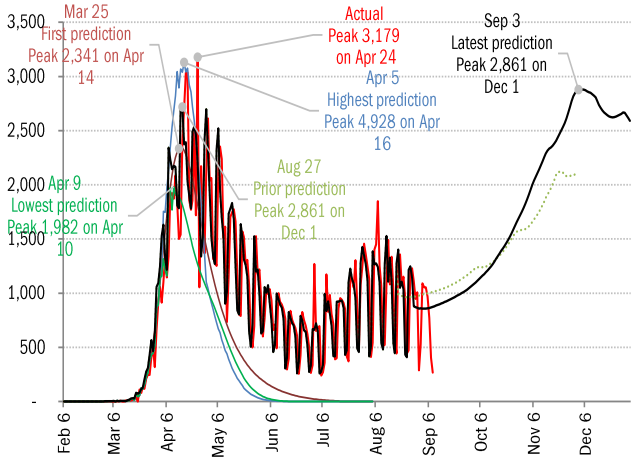


Source: Covid Tracking Project, TrendMacro calculations

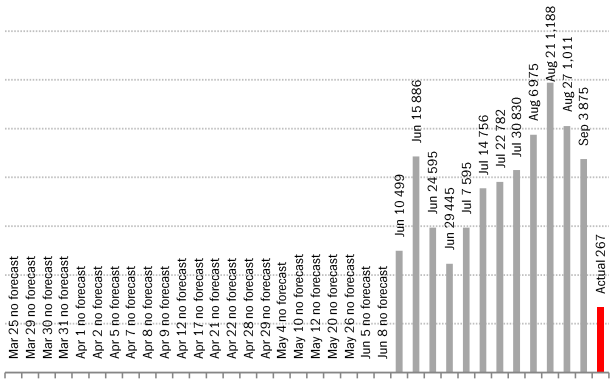
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Sep 8

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

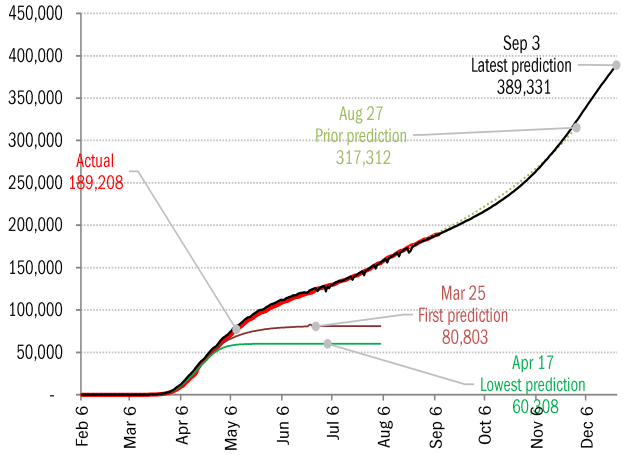


For this day, versus all model mean predictions

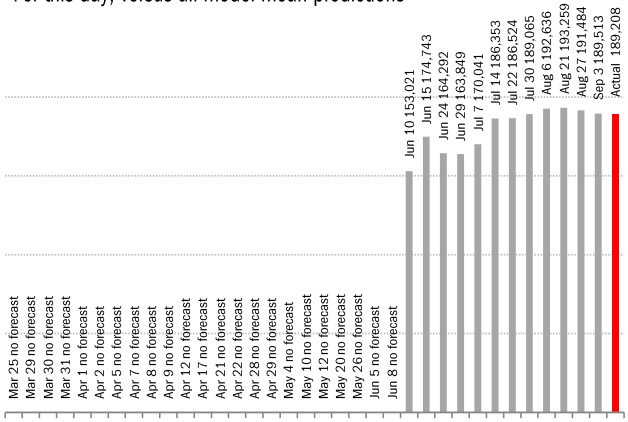


Cumulative fatalities

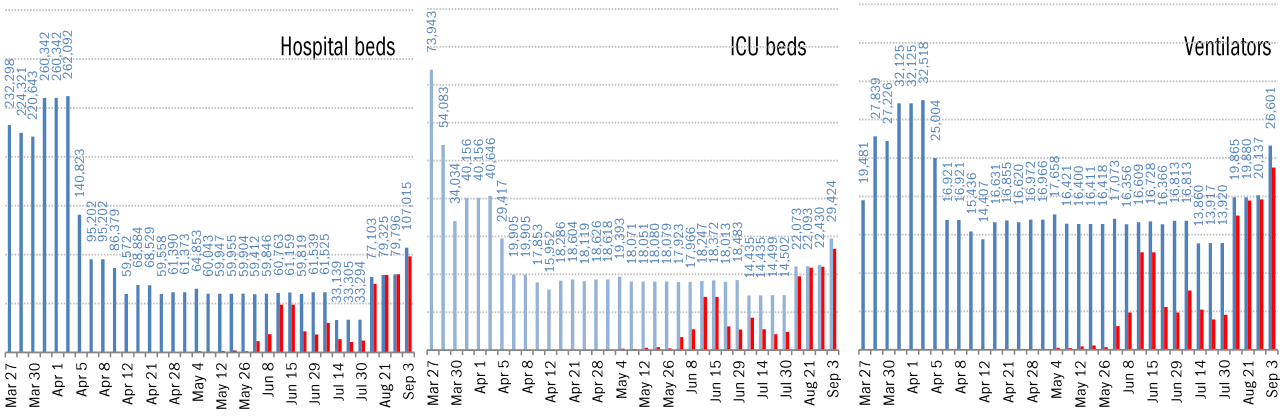
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

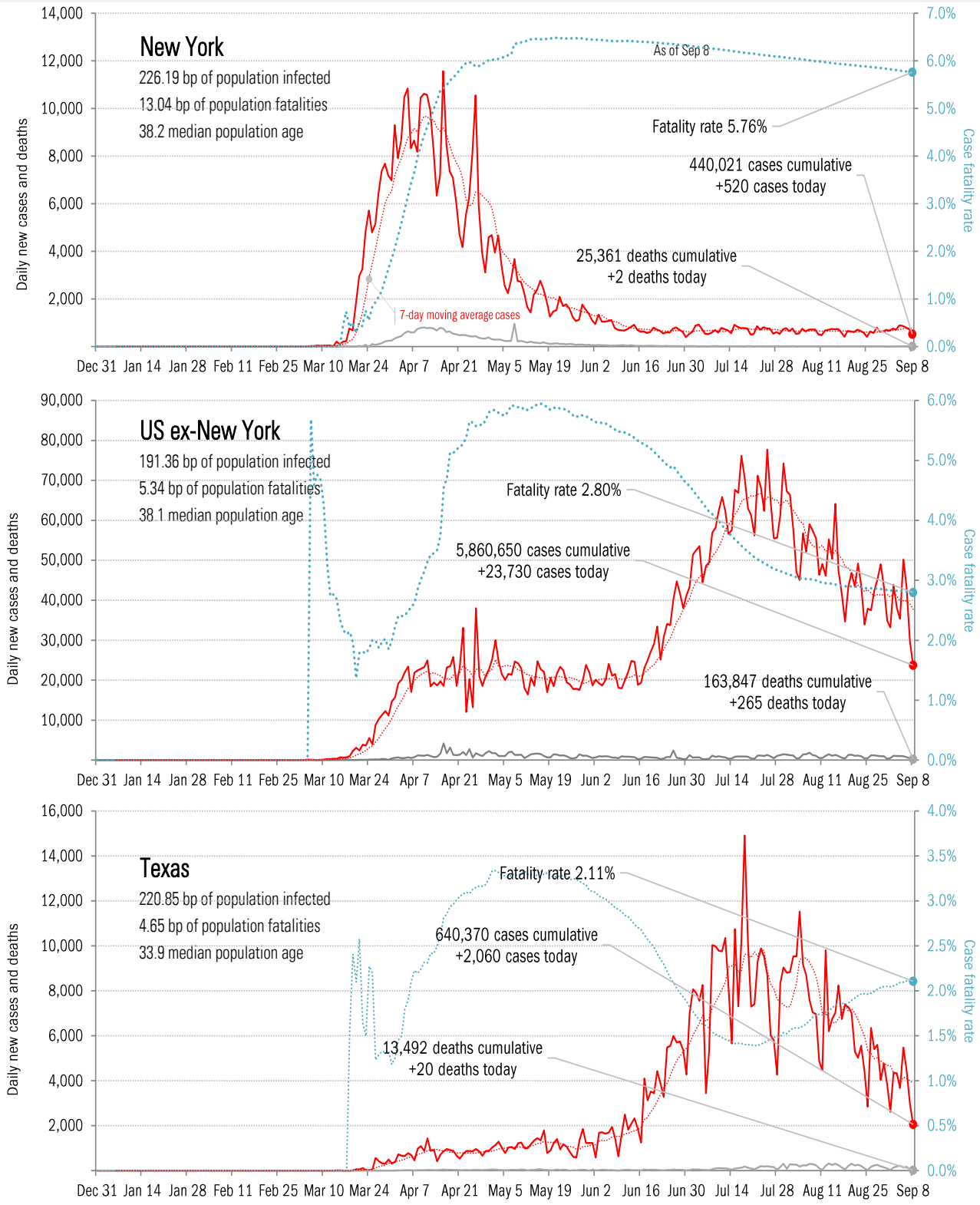


Healthcare system stress, peak and ultimate estimated at each model revision



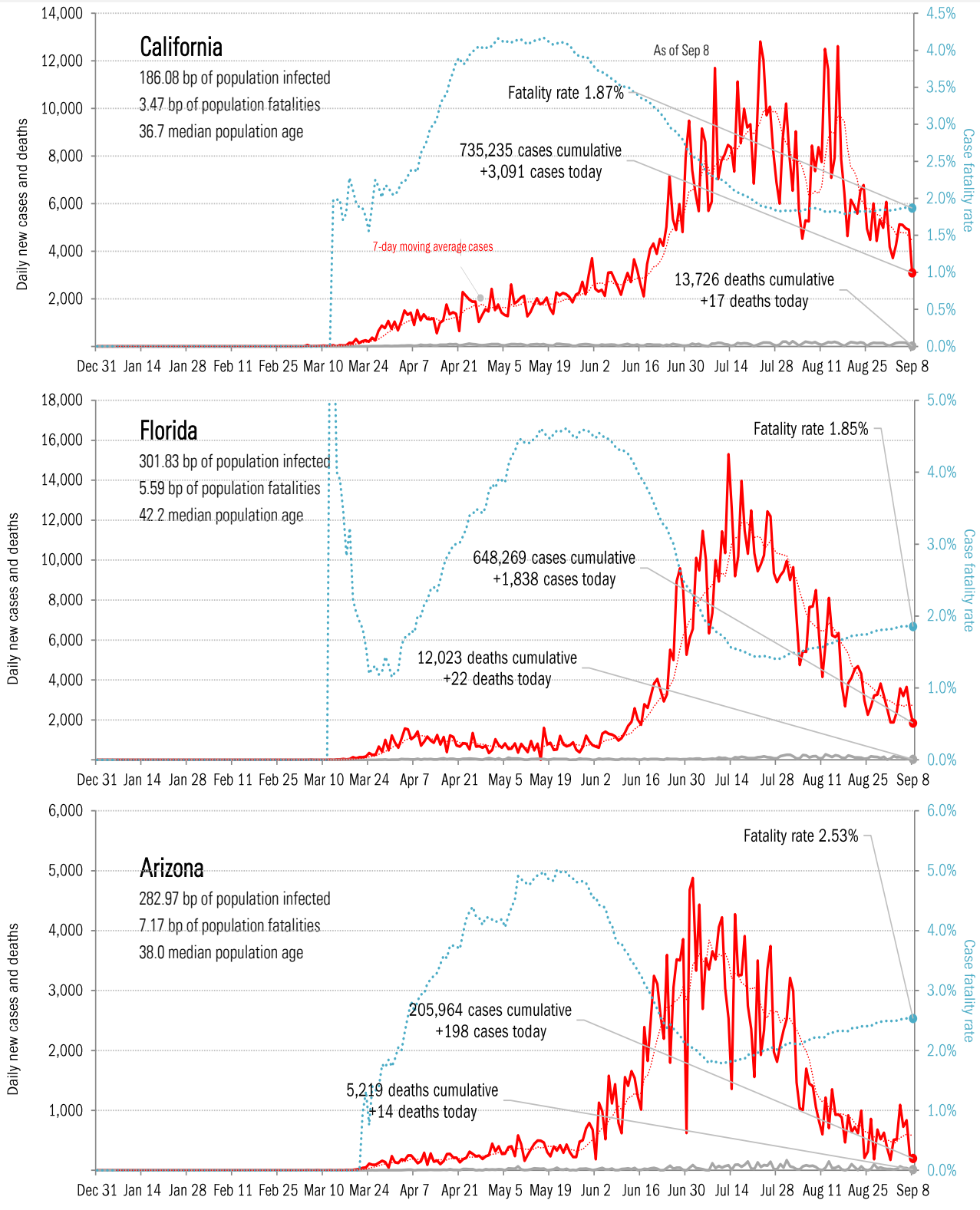
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



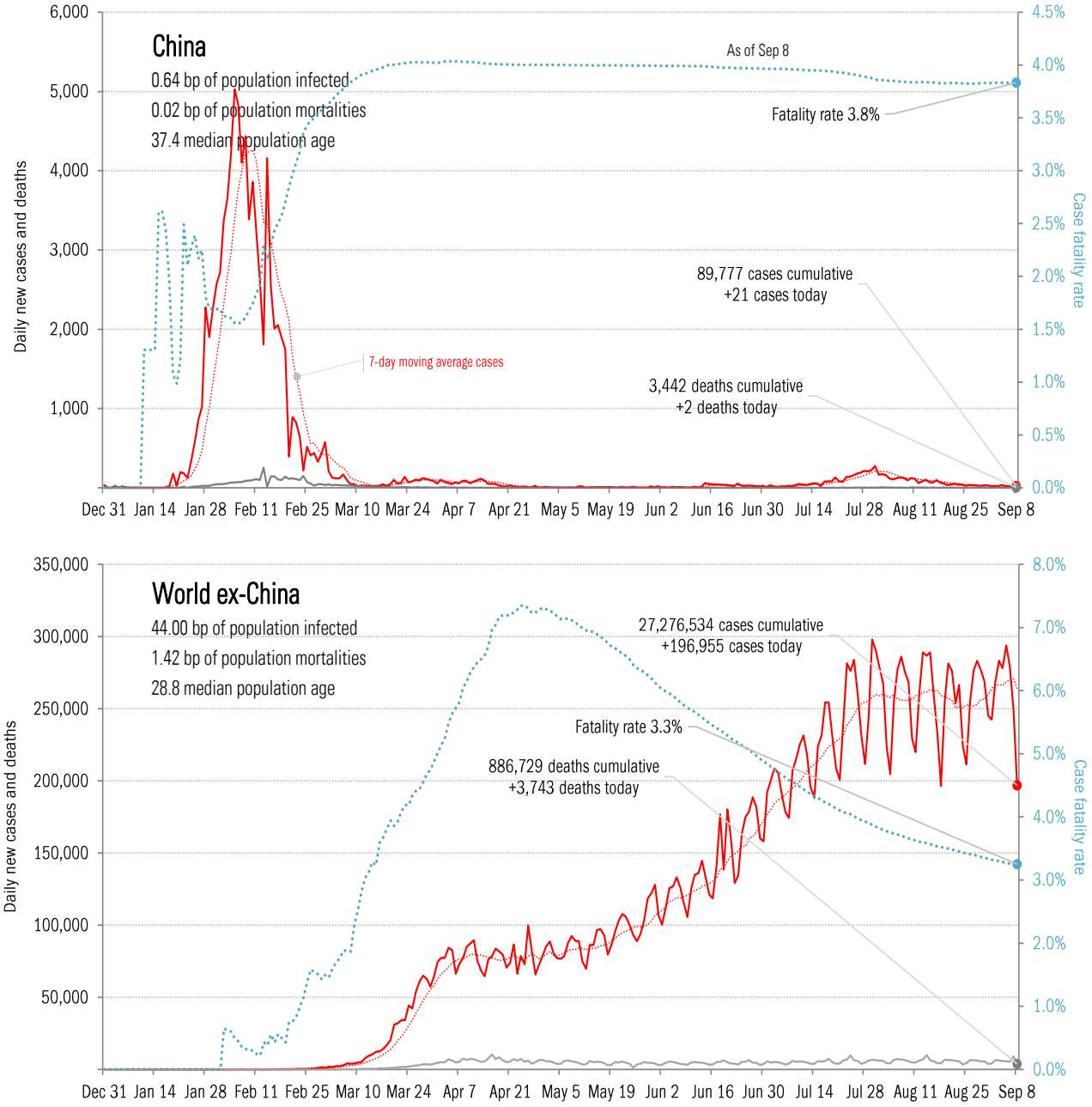
Source: ECDC, TrendMacro calculations

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



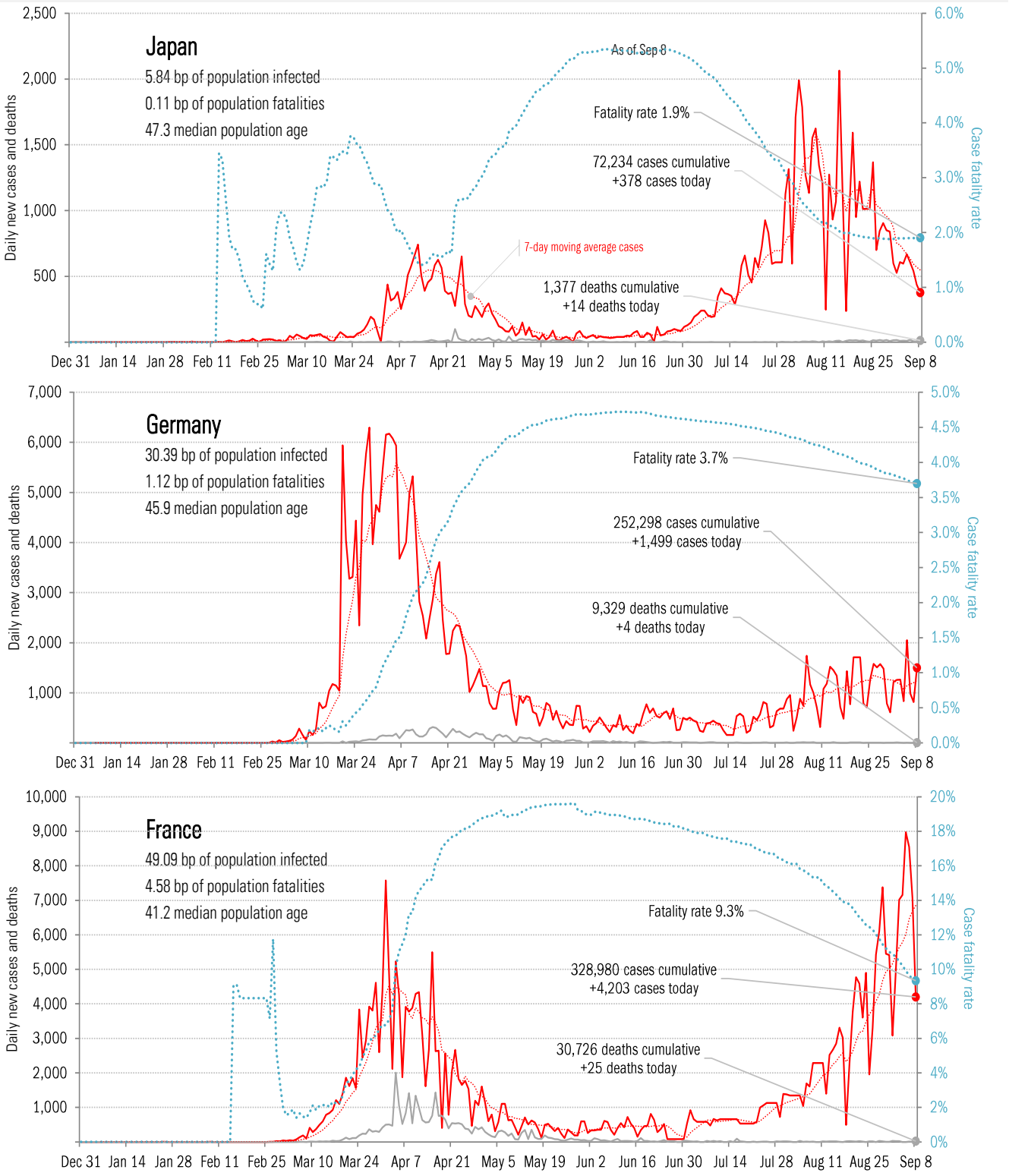
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



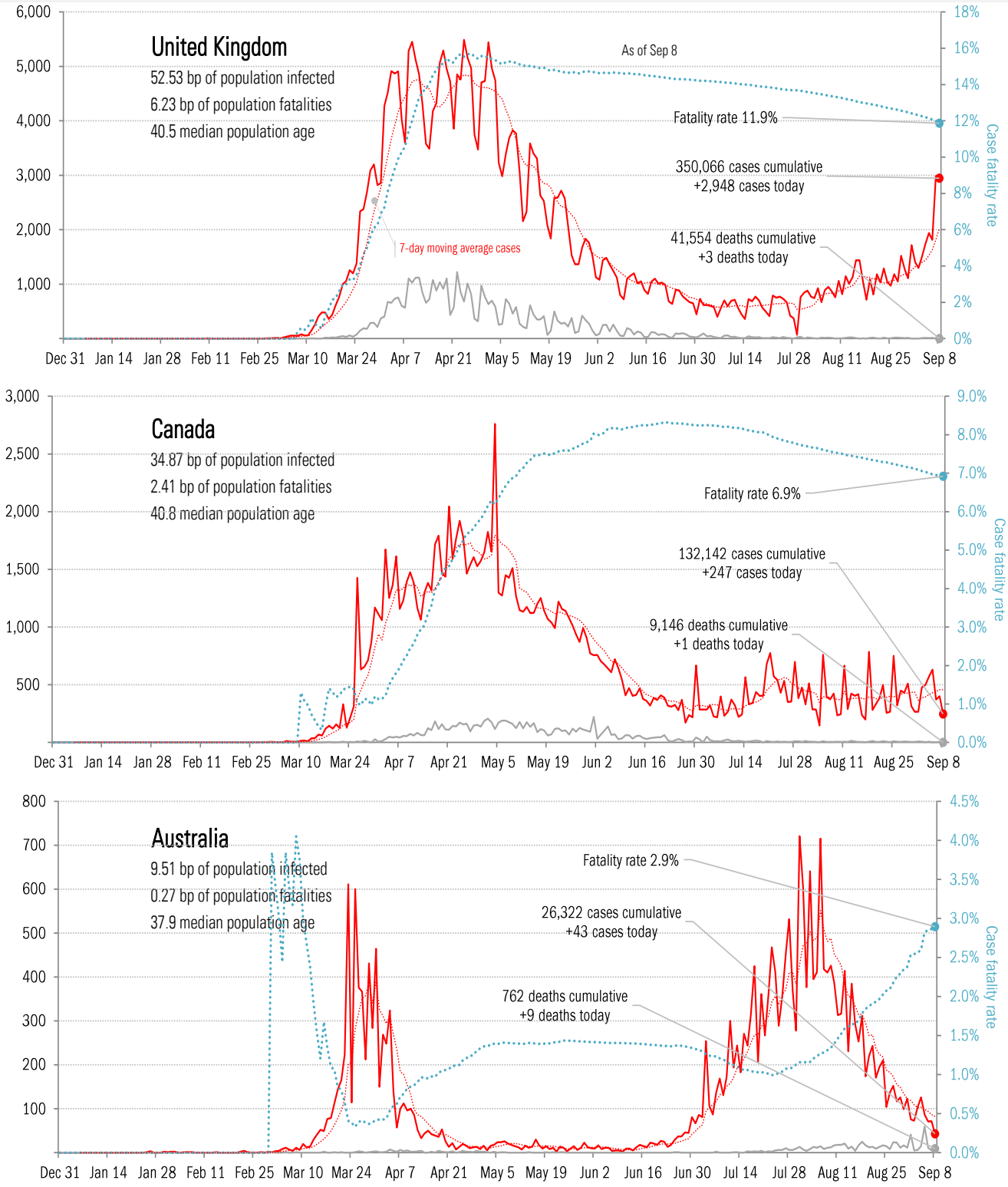
Source: ECDC, TrendMacro calculations

Impact in the largest economies



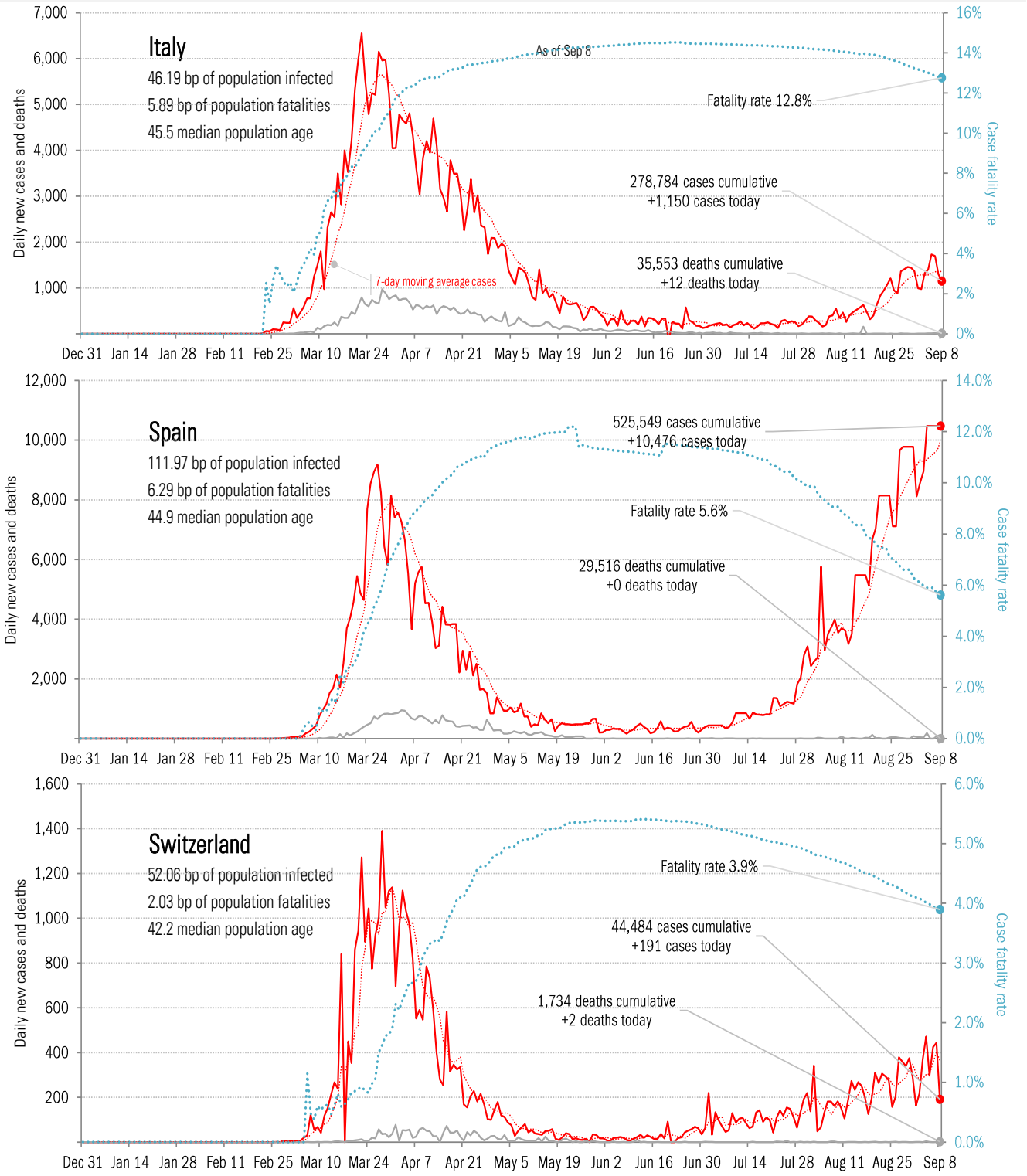
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



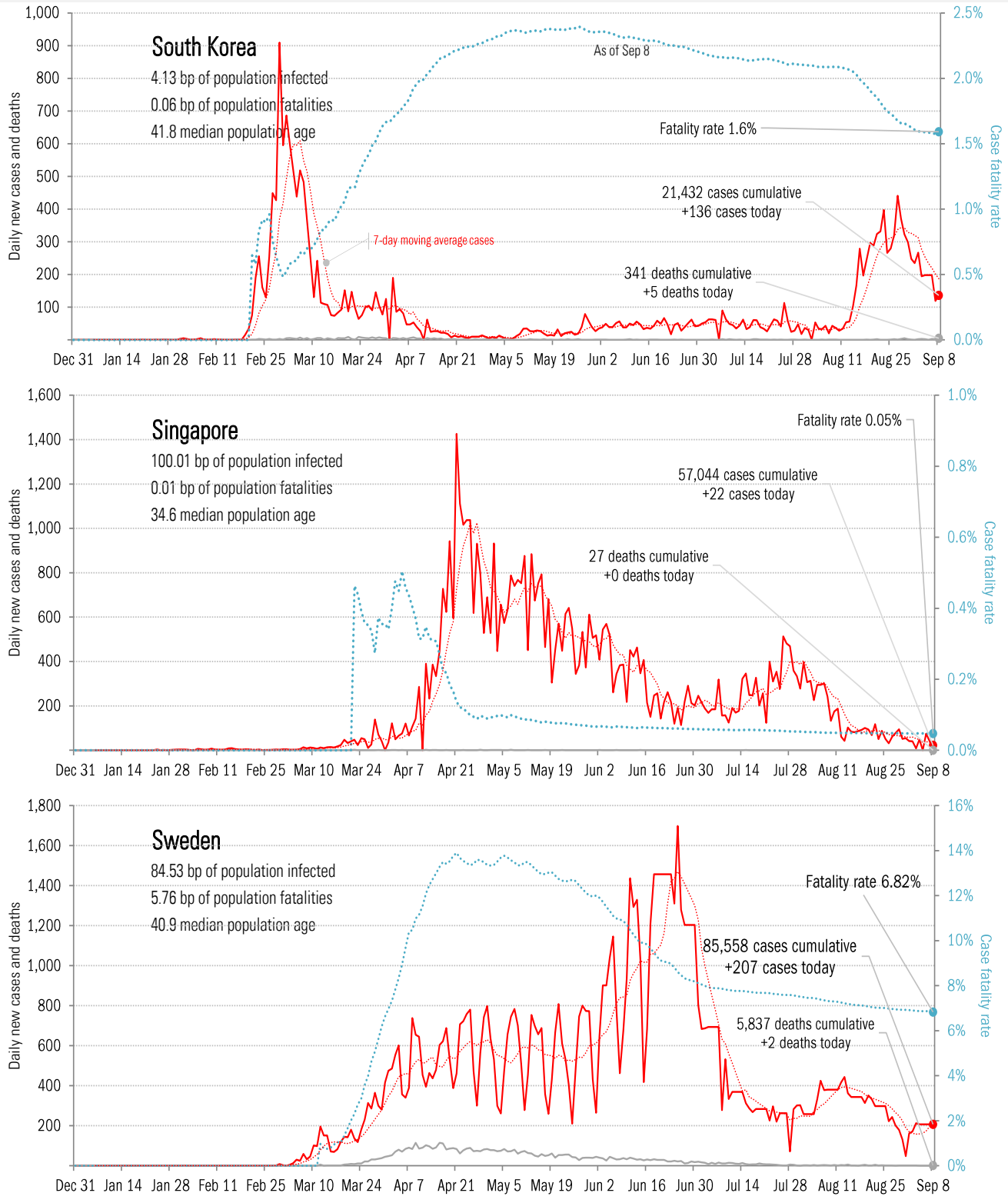
Source: ECDC, TrendMacro calculations

Impact in continental Europe



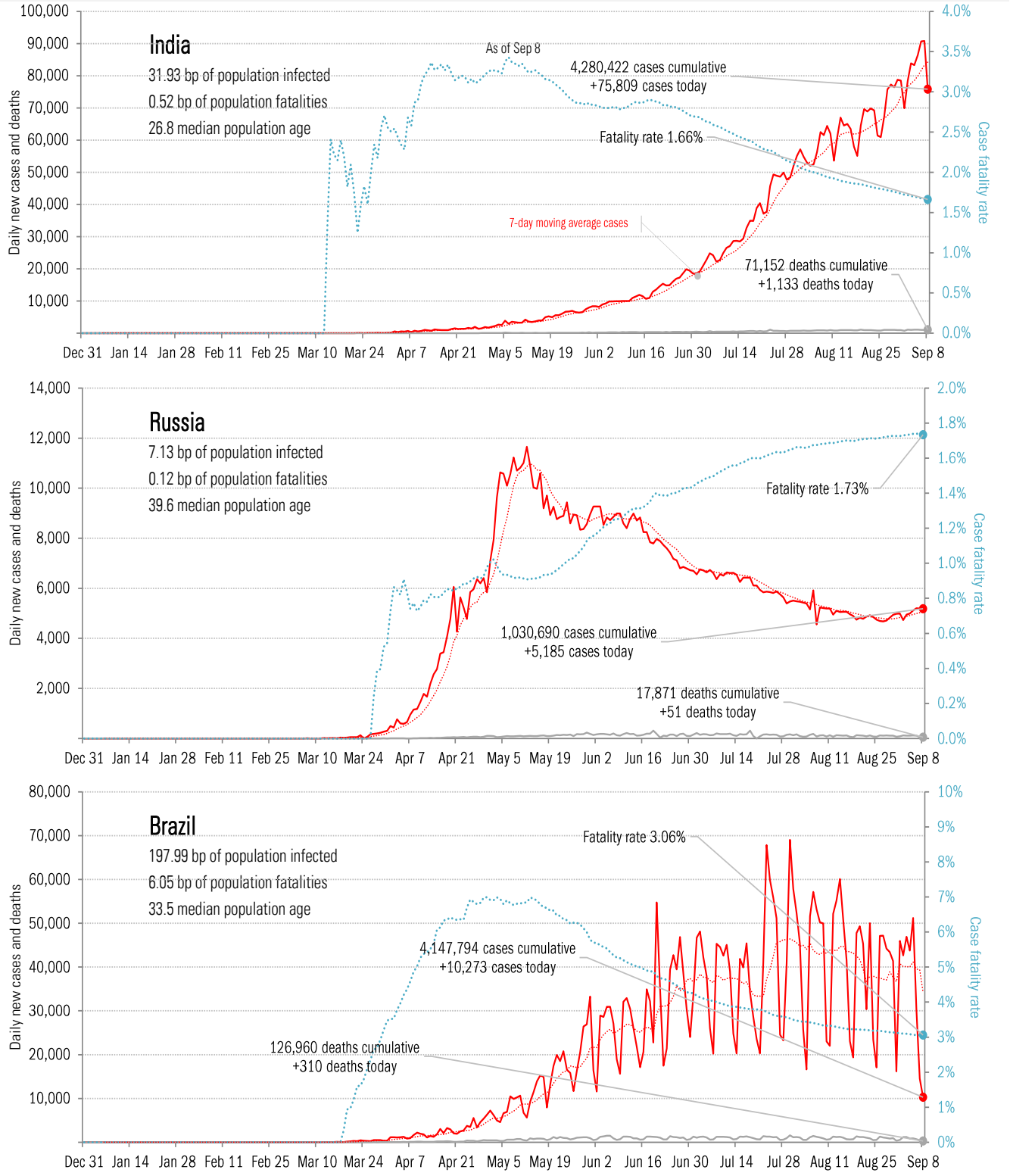
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



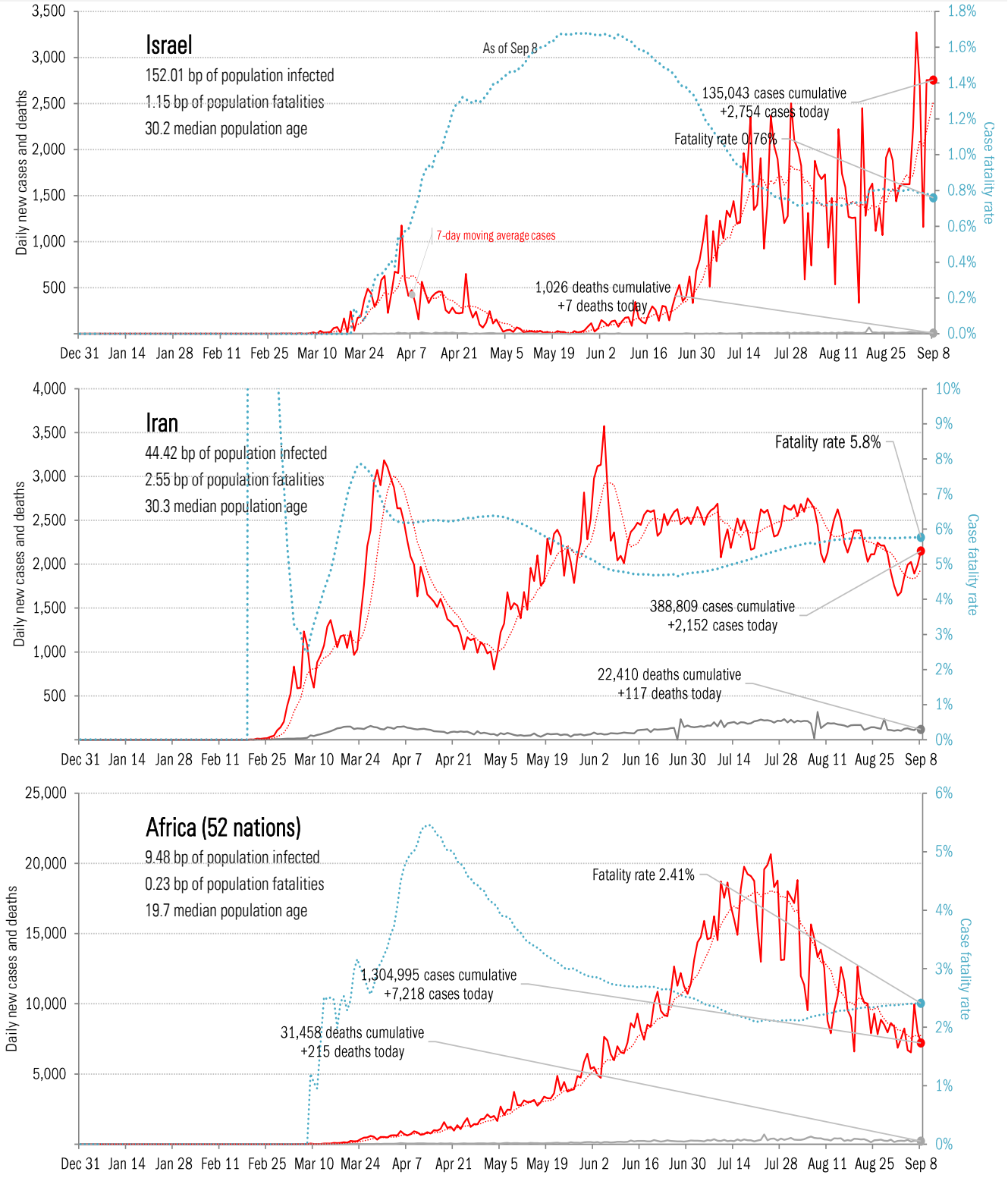
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations