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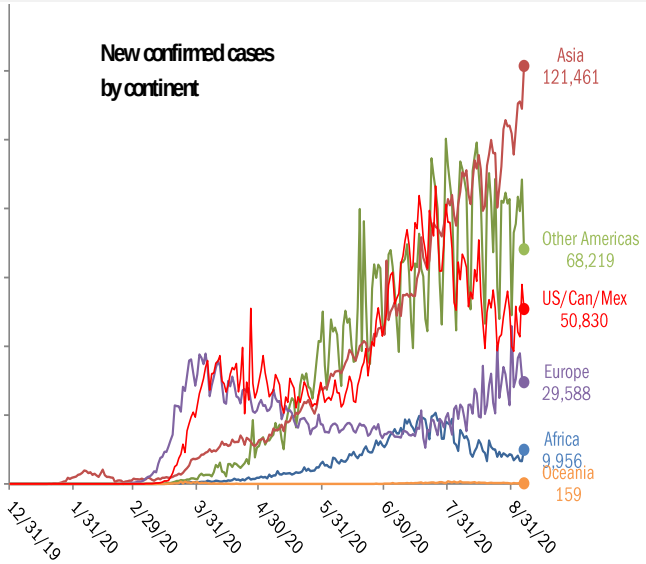
Data Insights: Covid-2019 Monitor

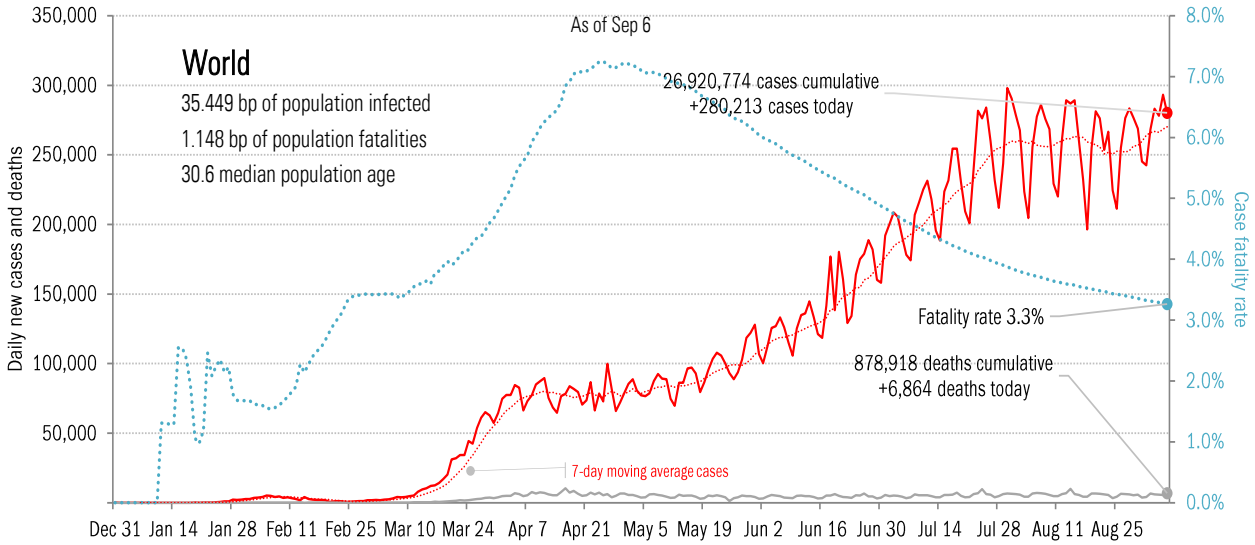
Sunday, September 6, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+90,632	Mexico	+2,206
US	+44,140	India	+1,065
Brazil	+30,168	US	+773
Argentina	+10,684	Brazil	+682
France	+8,550	Colombia	+268
Colombia	+8,394	Argentina	+217
Peru	+6,854	Peru	+133
Mexico	+6,319	Iran	+110
Philippines	+6,167	Russia	+110
Russia	+5,205	Indonesia	+108
	+217,113		+5,672
World	+280,213	World	+6,864
Top ten	77%	Top ten	83%





Source: ECDC, TrendMacro calculations

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The US scorecard

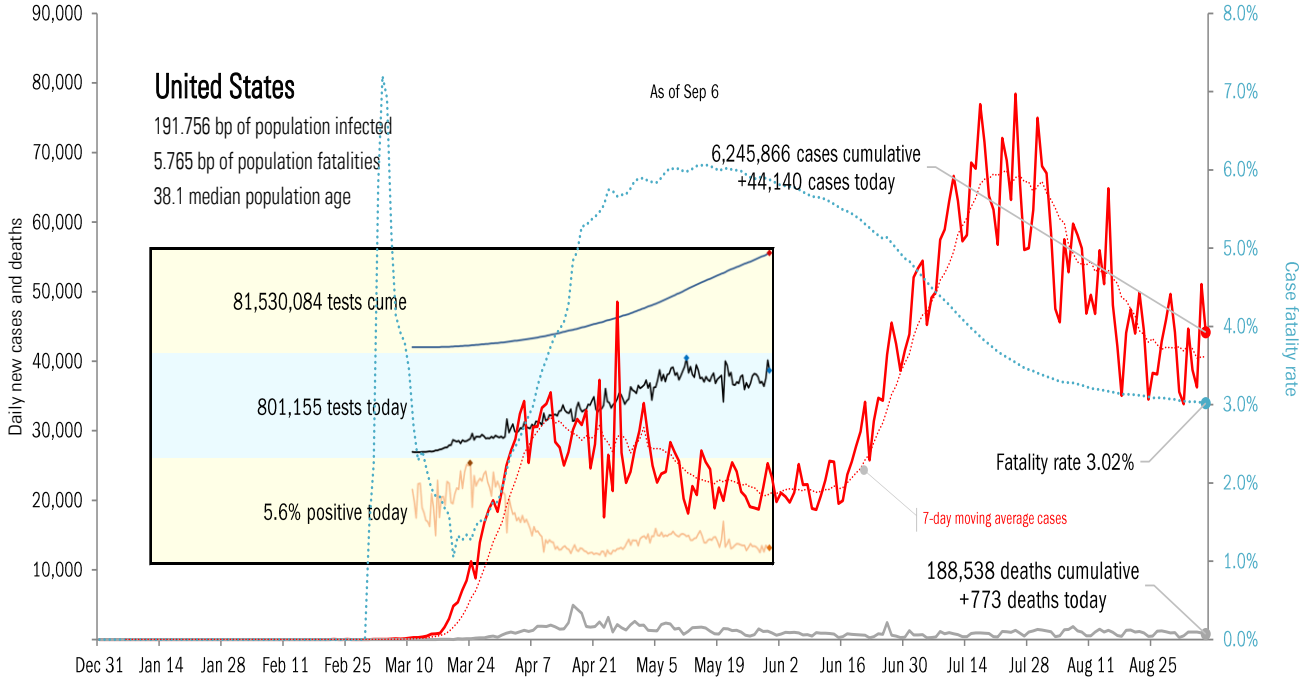
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
CA	+4,956	TX	+177	FL	+246	CA	727,239	NY	25,350	NY	89,995
TX	+4,486	CA	+153	VA	+141	FL	643,867	NJ	15,985	FL	40,373
FL	+3,656	MO	+77	AL	+113	TX	635,315	CA	13,643	GA	25,501
IL	+2,806	FL	+60	GA	+99	NY	438,772	TX	13,408	NJ	22,790
GA	+2,194	NC	+50	OH	+77	GA	281,548	FL	11,963	AZ	21,520
MO	+1,987	GA	+46	TN	+70	IL	250,105	MA	9,116	VA	16,734
TN	+1,765	AZ	+36	SC	+60	AZ	205,516	IL	8,385	AL	14,914
NC	+1,561	SC	+31	IN	+53	NJ	193,747	PA	7,760	MD	14,516
AL	+1,410	TN	+25	WI	+50	NC	175,815	MI	6,806	OH	13,808
OH	+1,341	IL	+23	OK	+44	TN	162,362	GA	5,977	MA	12,347
	+26,162		+678		+953		3,714,286		118,393		272,498
All states	+44,636	All states	+915	All states	+1,265	All states	6,213,630	All states	180,655	All states	377,904
Top ten	59%	Top ten	74%	Top ten	75%	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	
IL	-2,788	FL	-43	KS	-54	TX	+6,059
KS	-1,280	AL	-24	GA	-44	MI	+4,527
TX	-996	KS	-23	WA	-25	TN	+1,227
LA	-822	GA	-17	RI	-19	MN	+970
SC	-665	IL	-15	IN	-16	WI	+924



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

Recommended reading

Nurse Goes Rogue, Schools CNN Host on Trump's Excellent Response to COVID
C. Douglas Golden
Western Journal
September 5, 2020

A New Front in America's Pandemic: College Towns
Sarah Watson, Shawn Hubler, Danielle Ivory and Robert Gebeloff
New York Times
September 6, 2020

A Furniture Maker's Five-Month Struggle With Covid. 'You Can't Really Have a Plan.'
Bob Davis
Wall Street Journal
September 3, 2020

Casedemic
Ivor Cummings
YouTube
August 12, 2020

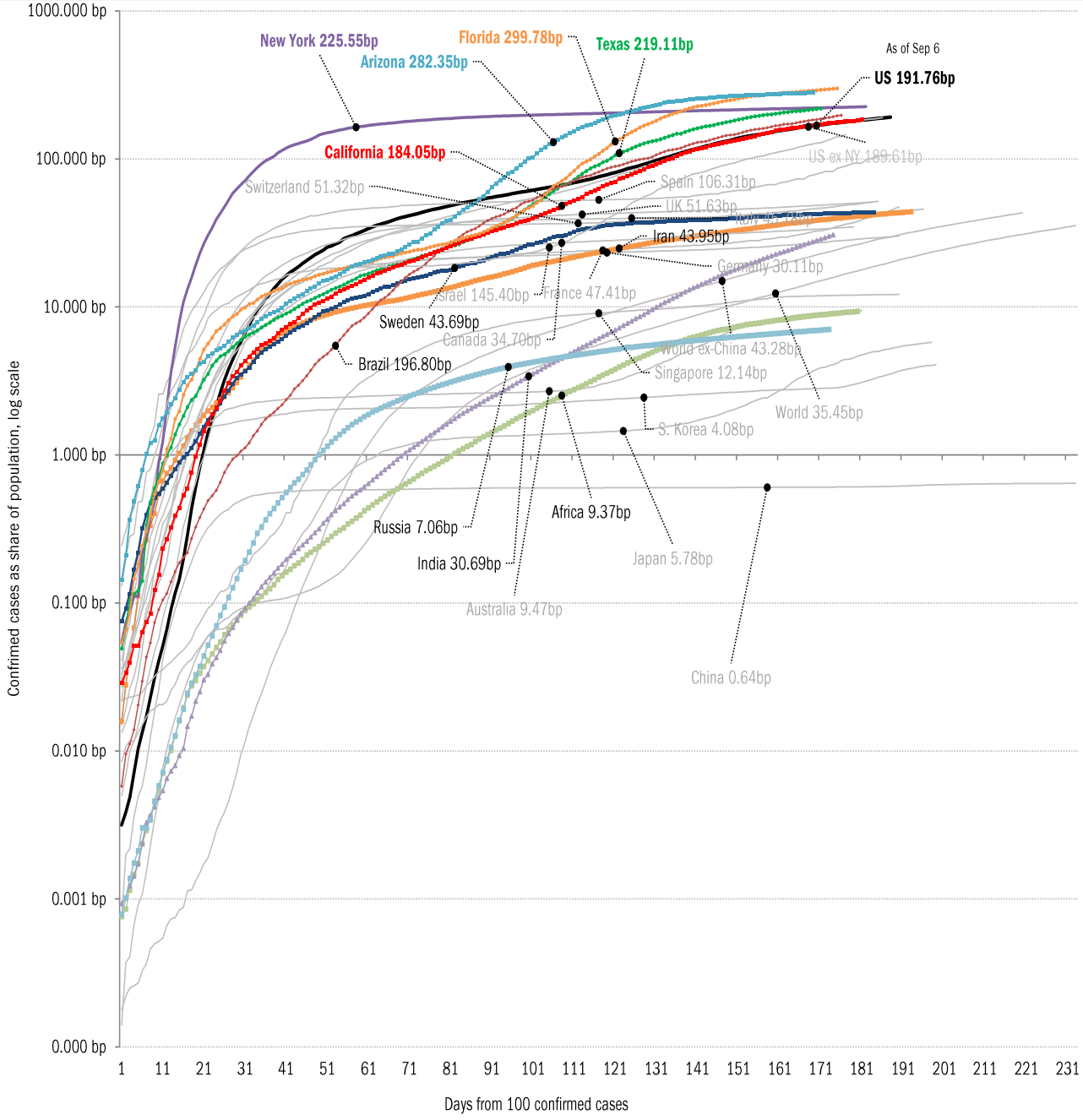
Stealing Our Faces: The Deeper Effects of the Mask Movement
Mo Woltering
The Imaginative Conservative
September 3, 2020

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

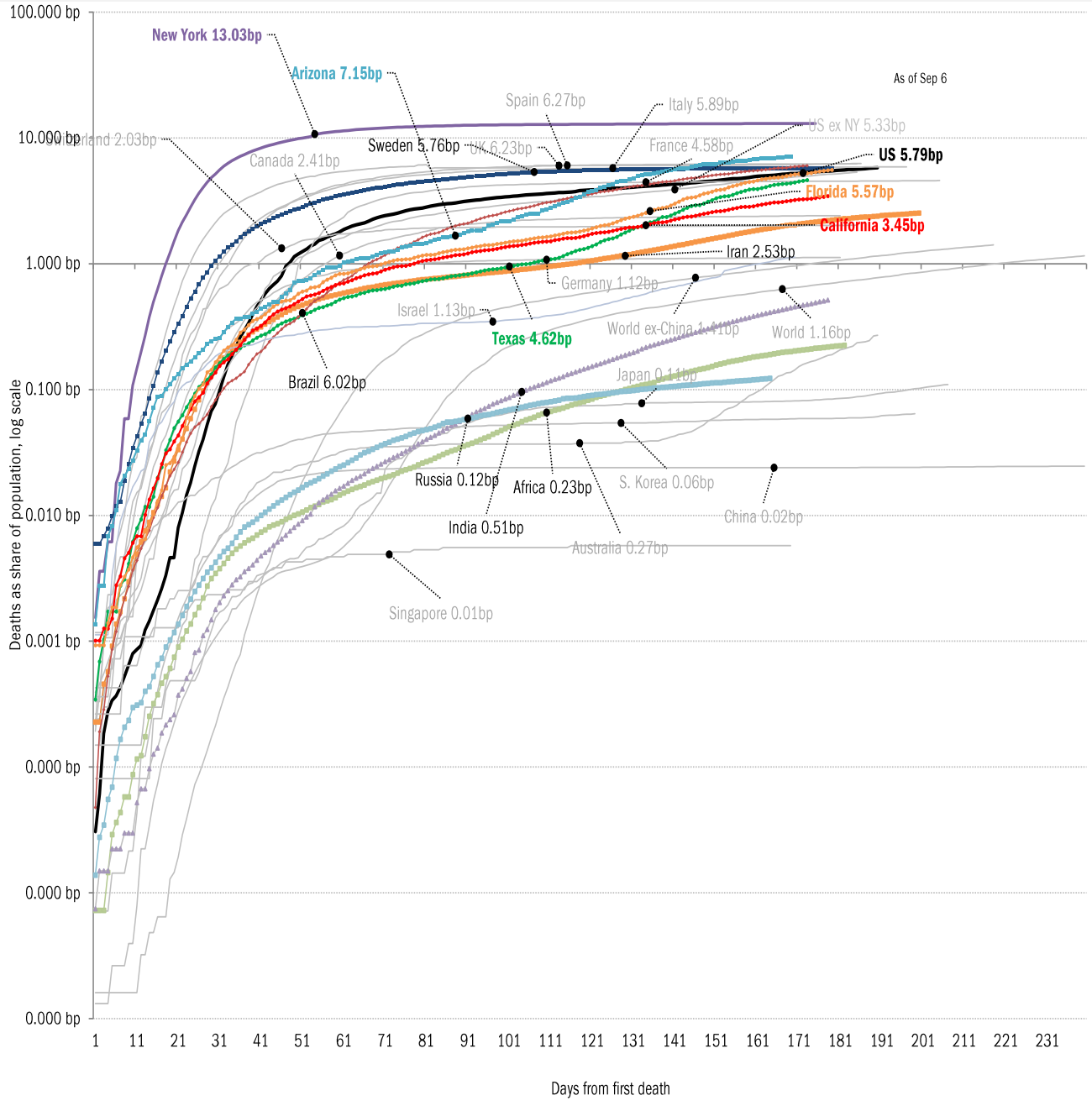
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

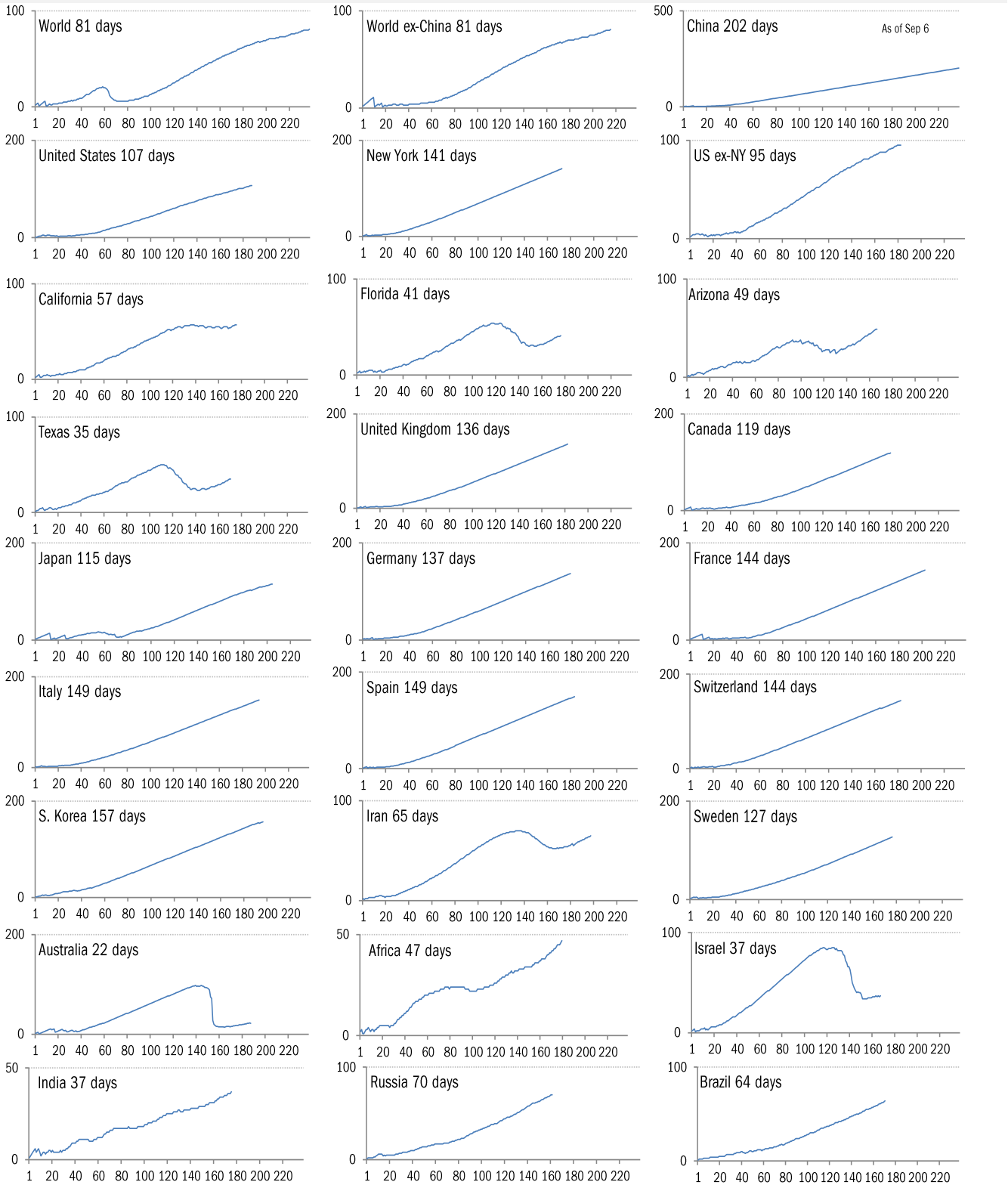


Source: ECDC, TrendMacro calculations

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

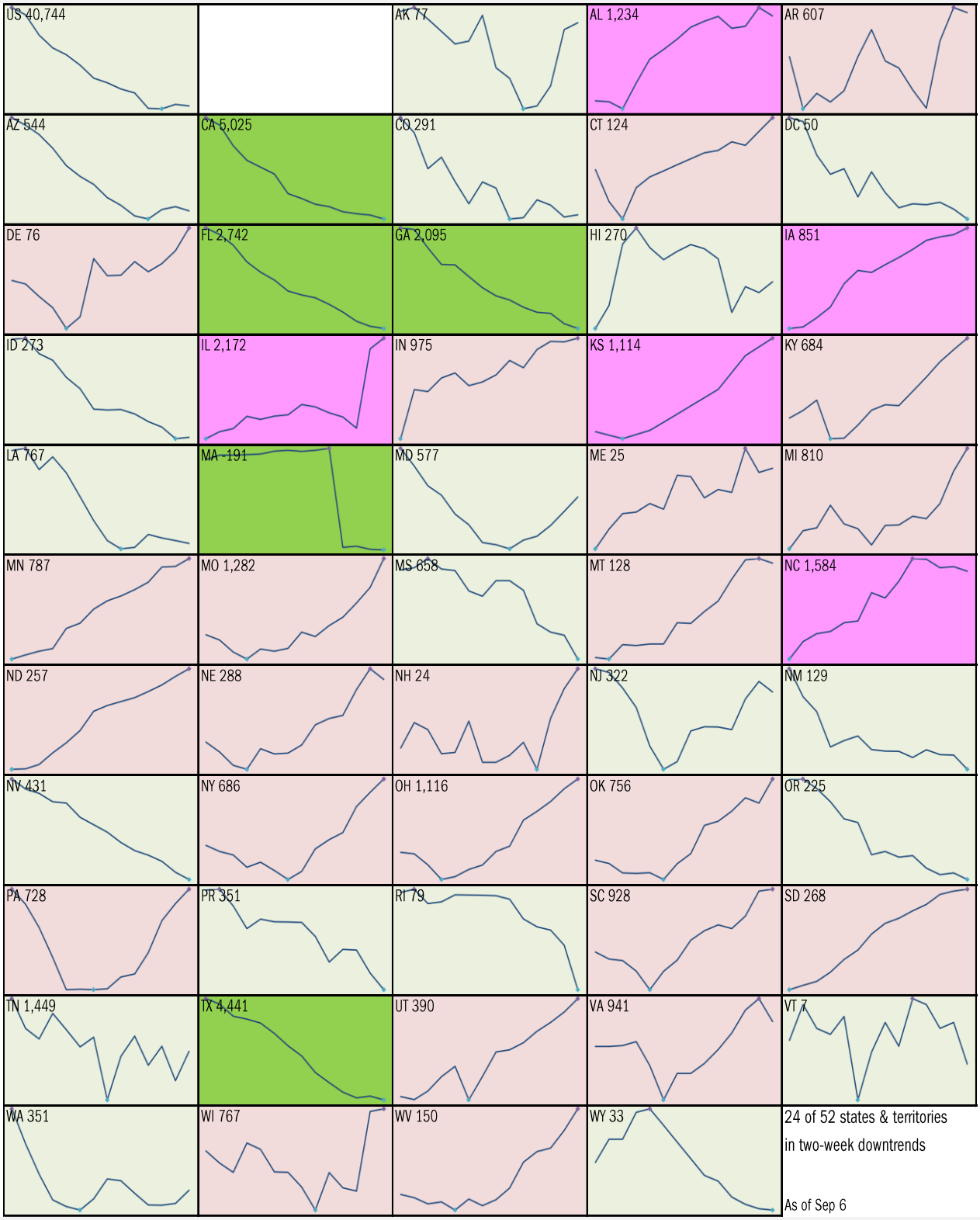


Source: ECDC, TrendMacro calculations

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

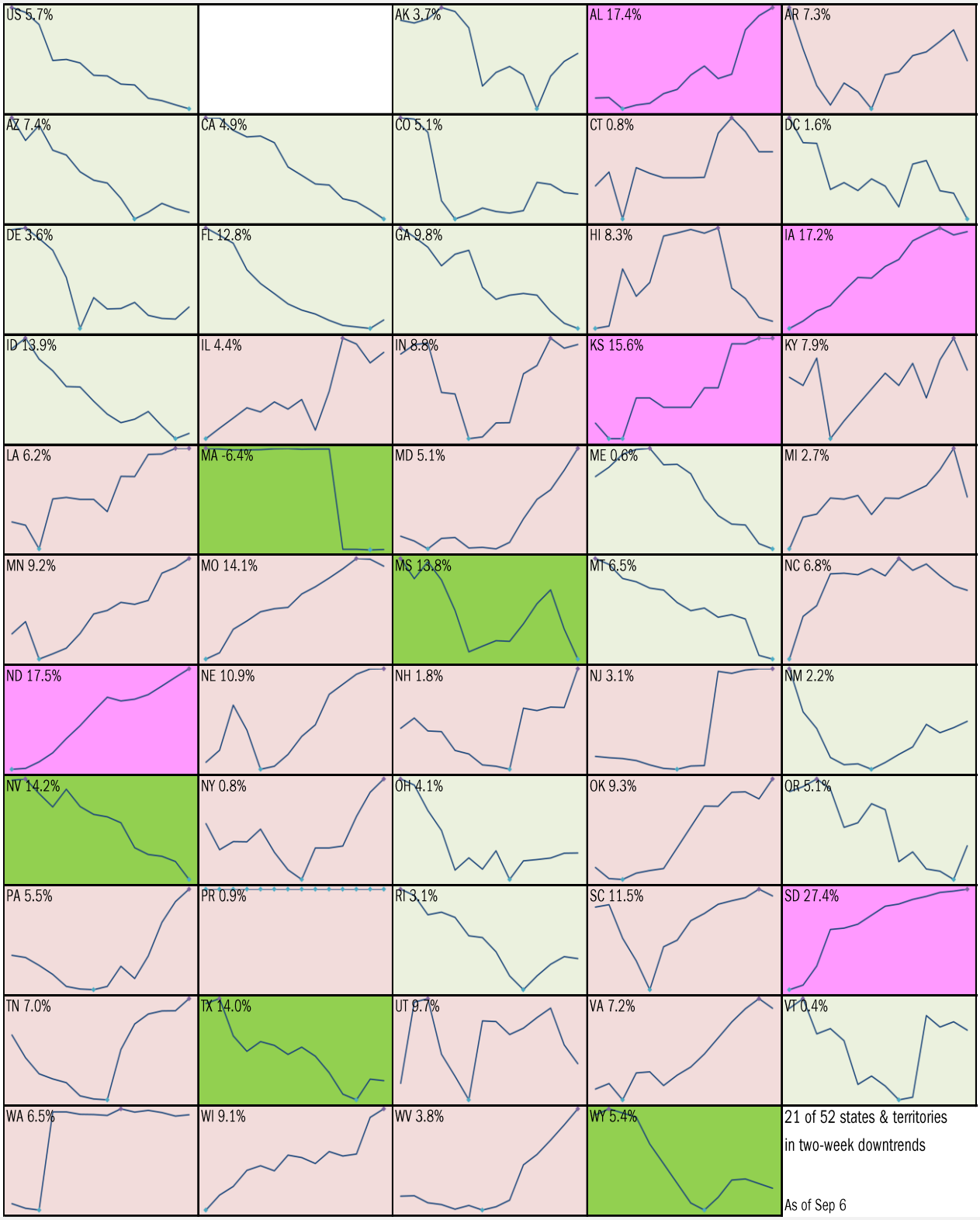


Source: Covid Tracking Project, TrendMacro calculations

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

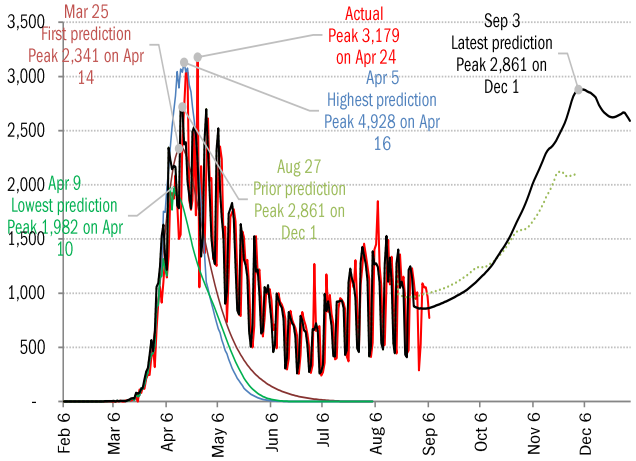


Source: Covid Tracking Project, TrendMacro calculations

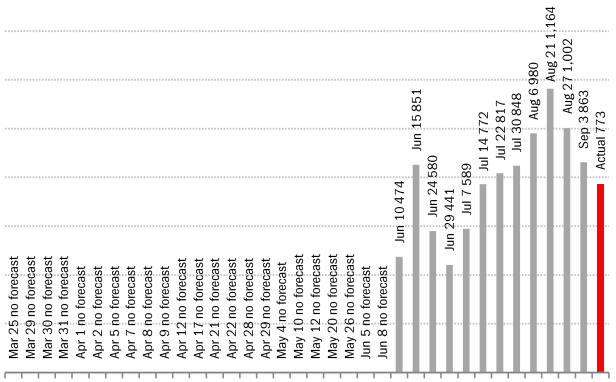
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Sep 6

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

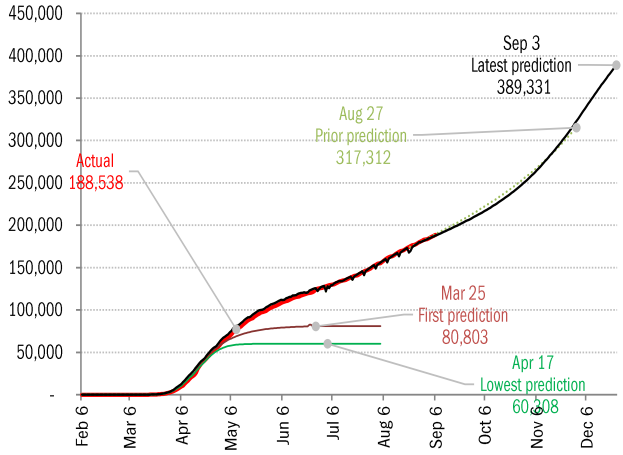


For this day, versus all model mean predictions

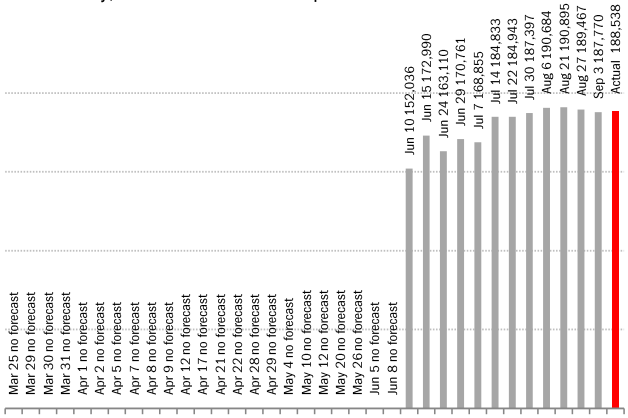


Cumulative fatalities

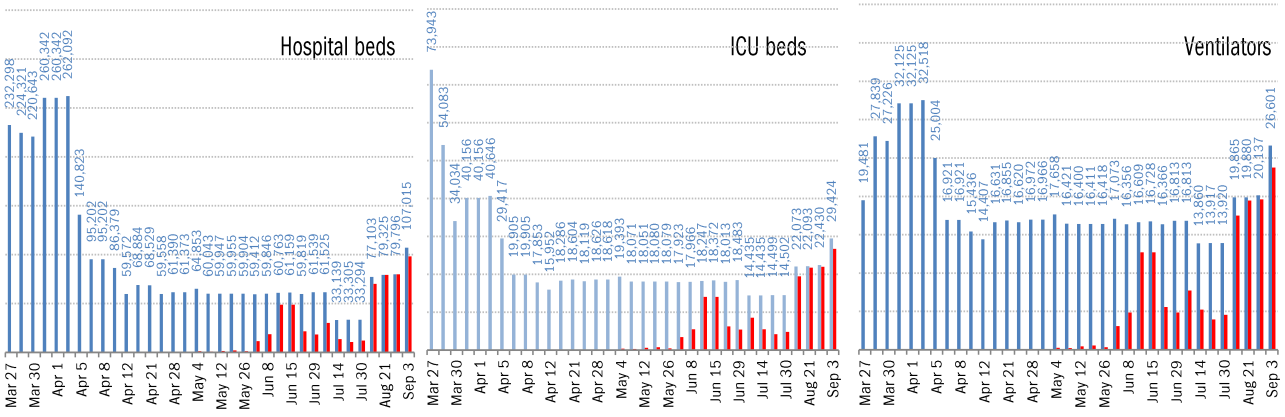
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

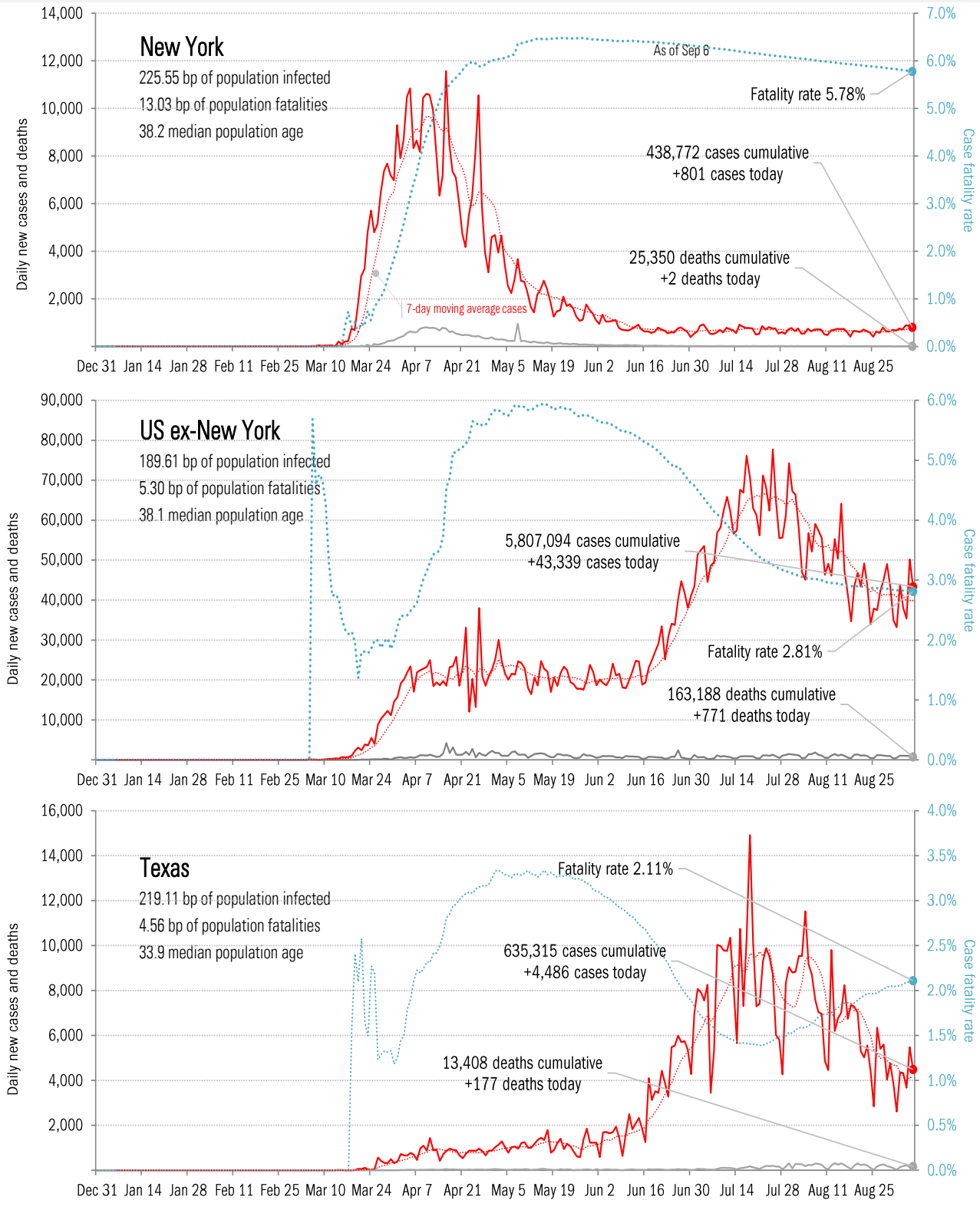


Healthcare system stress, peak and ultimate estimated at each model revision



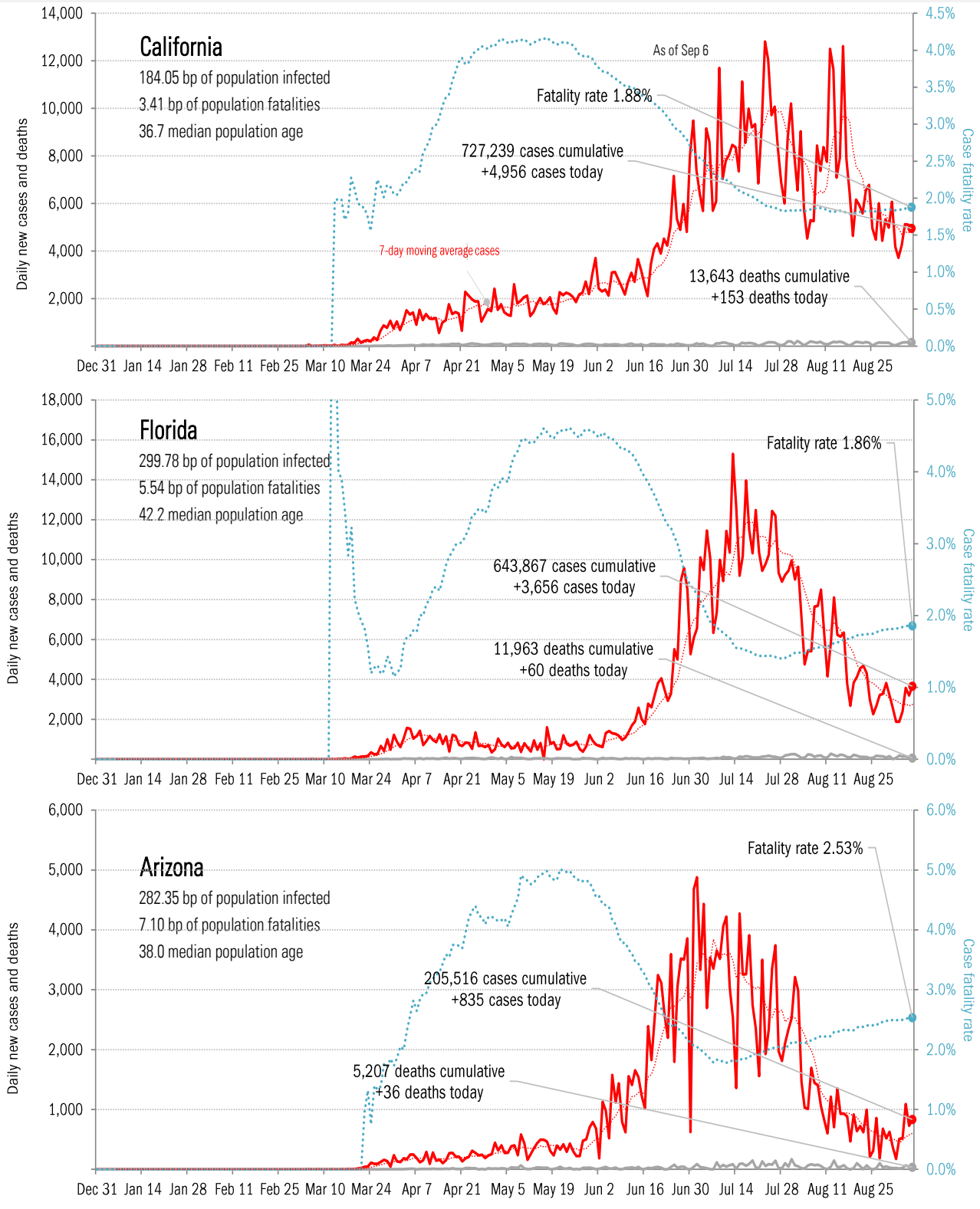
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



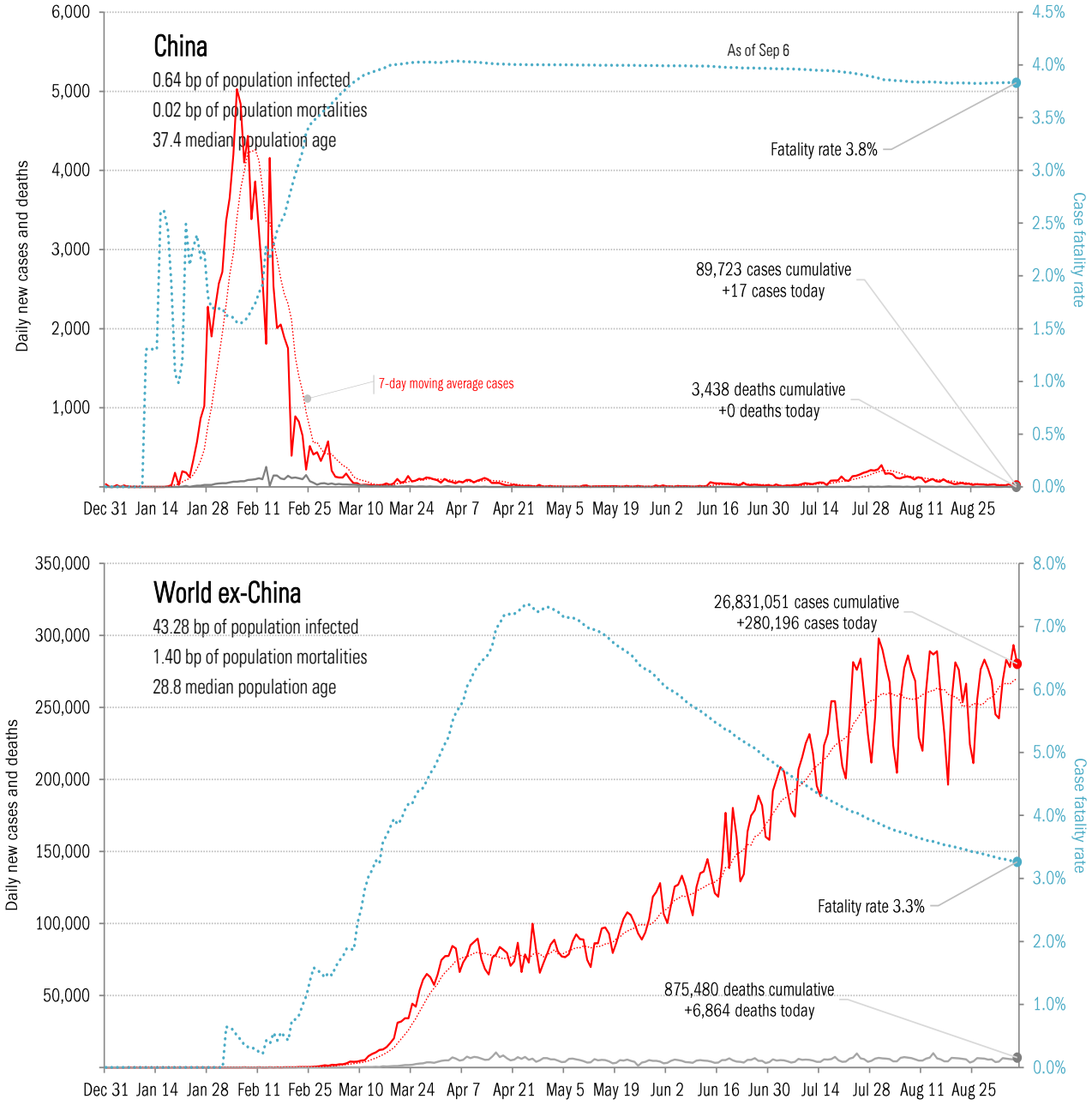
Source: ECDC, TrendMacro calculations

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



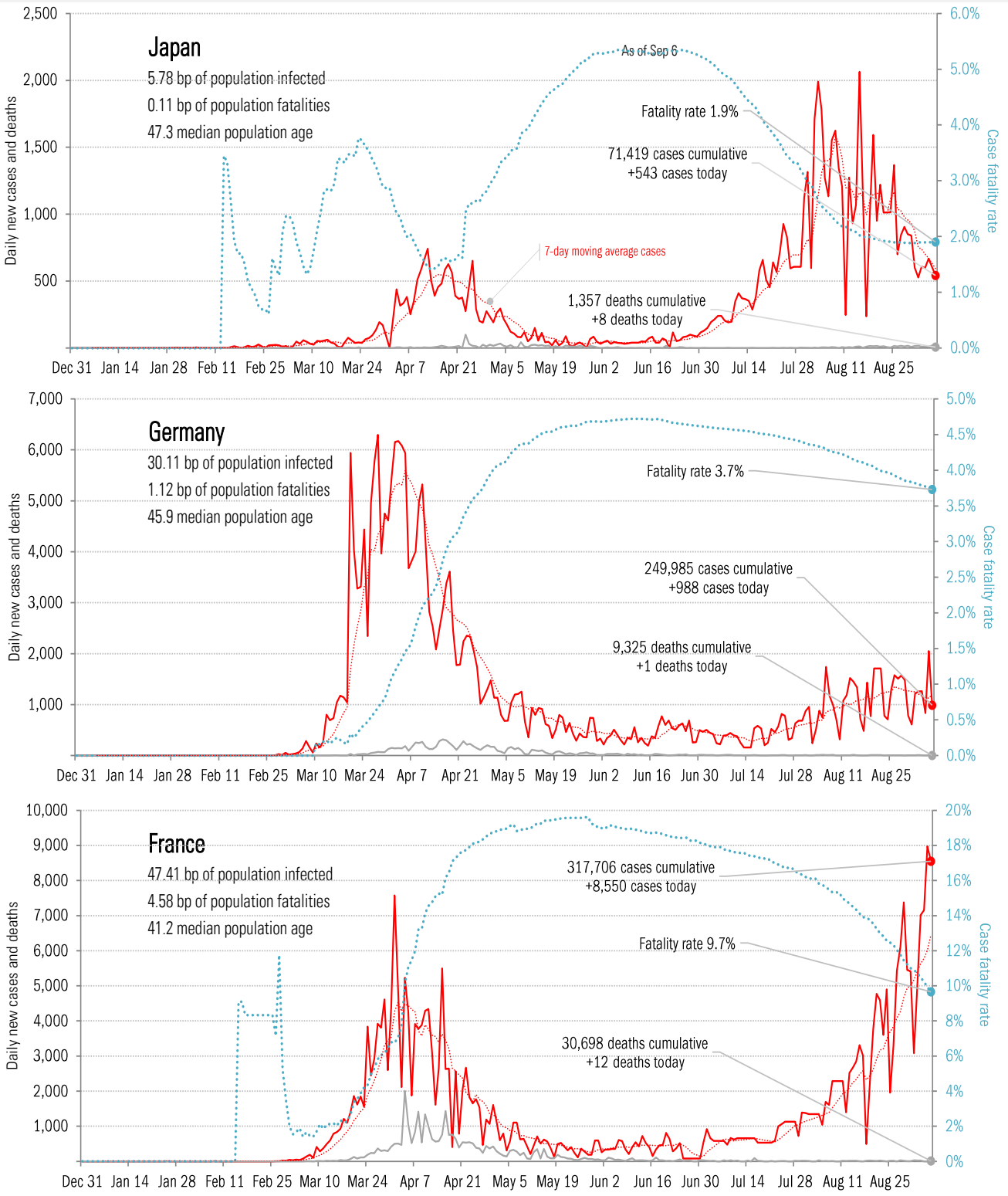
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



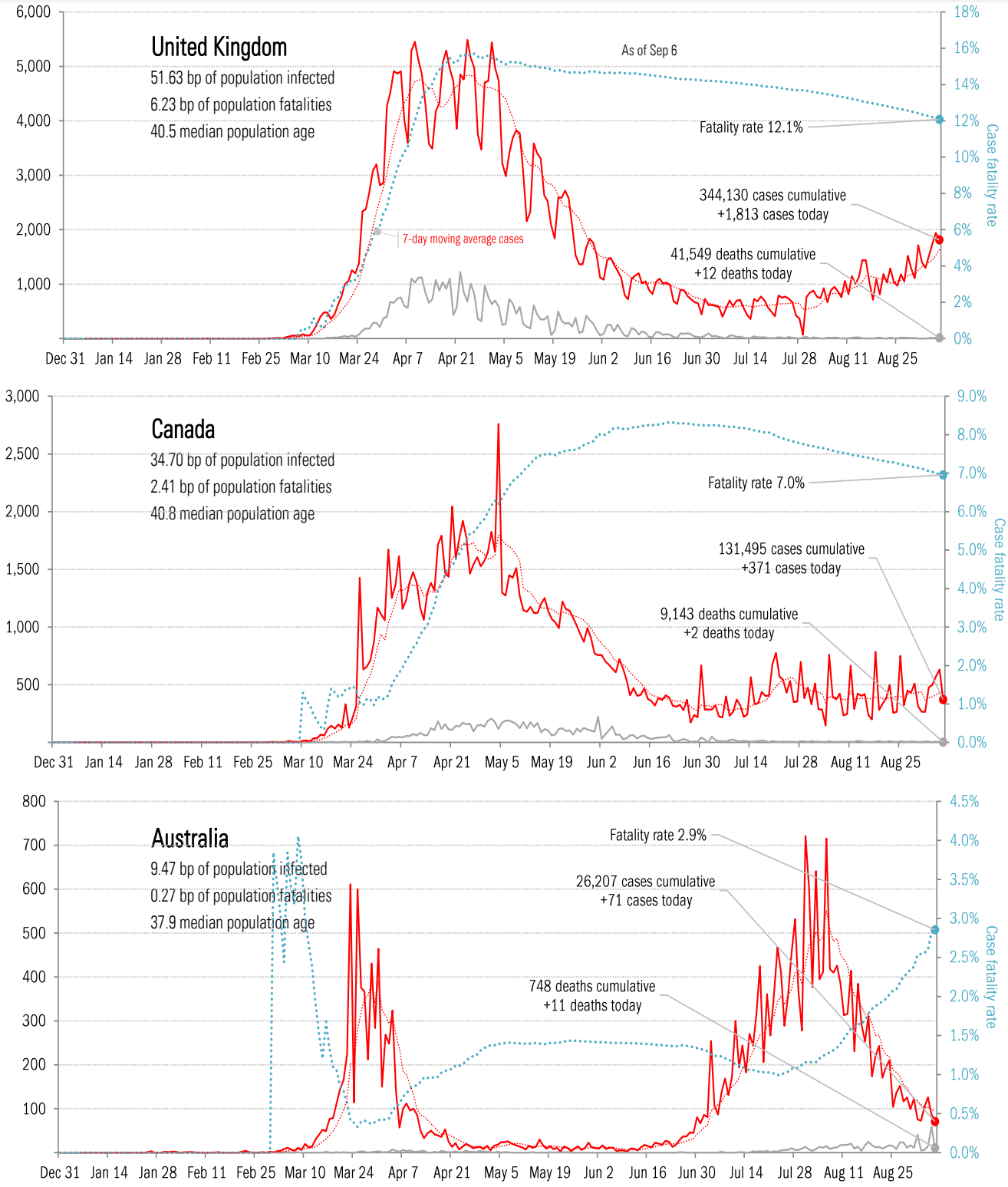
Source: ECDC, TrendMacro calculations

Impact in the largest economies



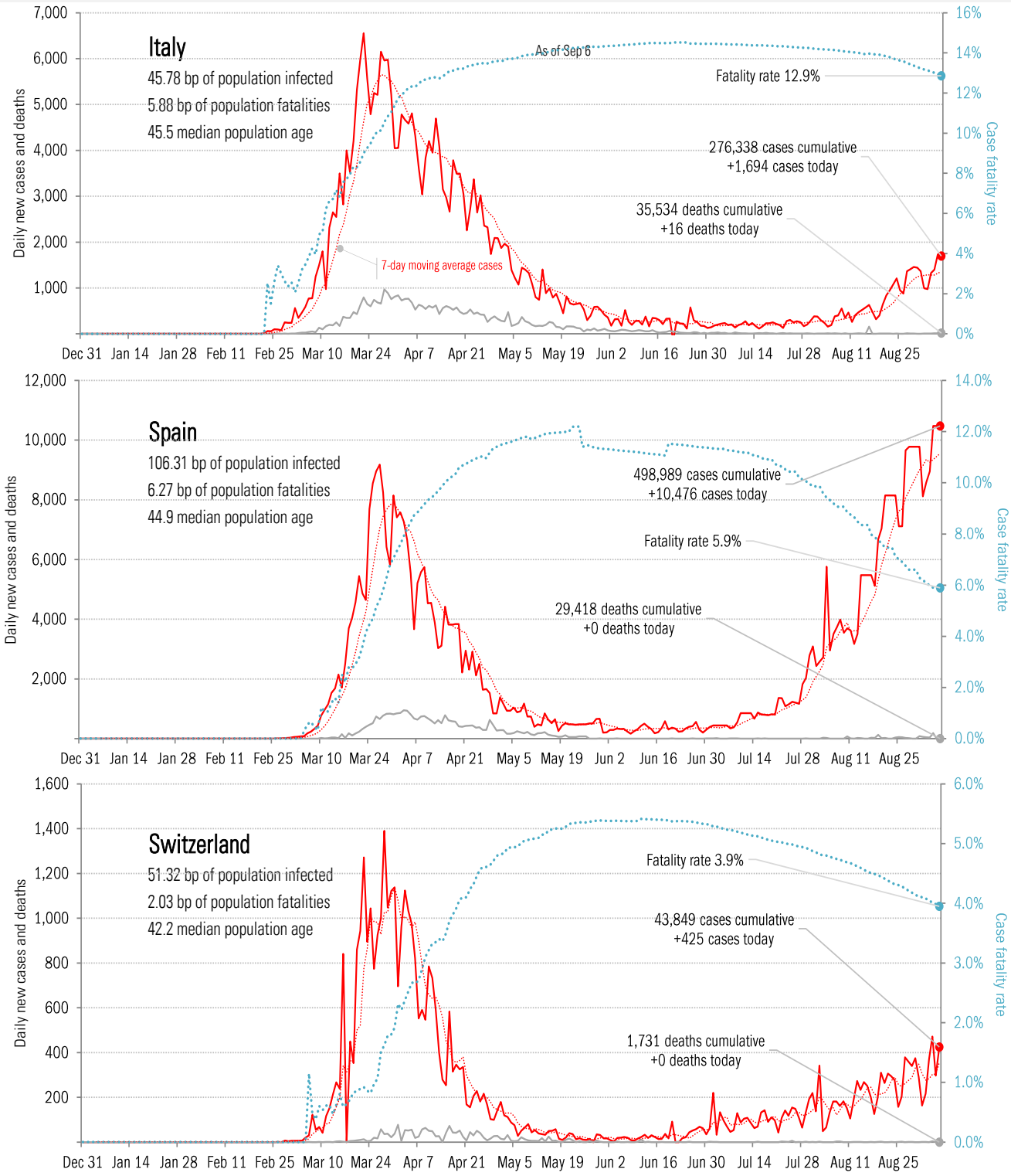
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



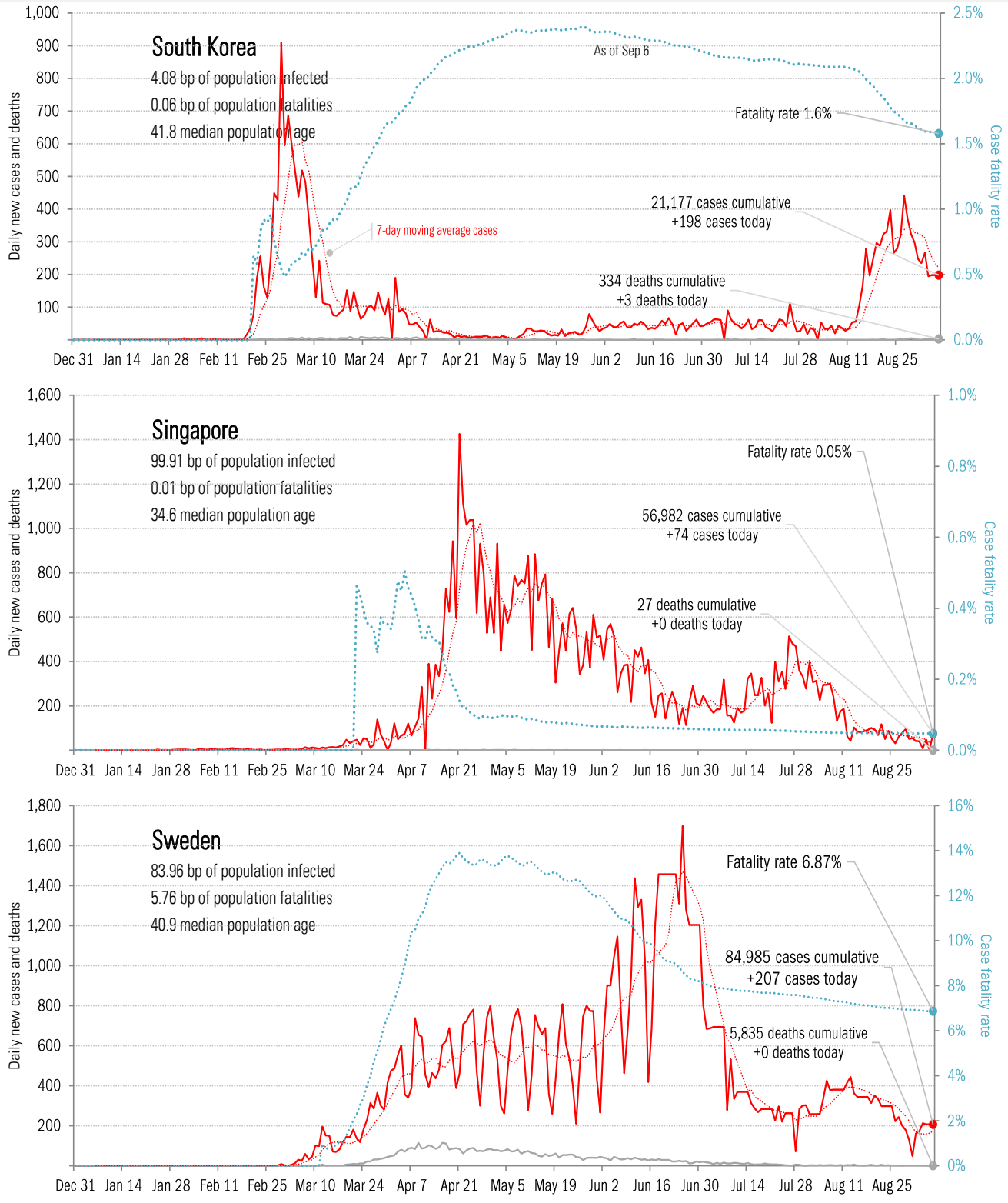
Source: ECDC, TrendMacro calculations

Impact in continental Europe



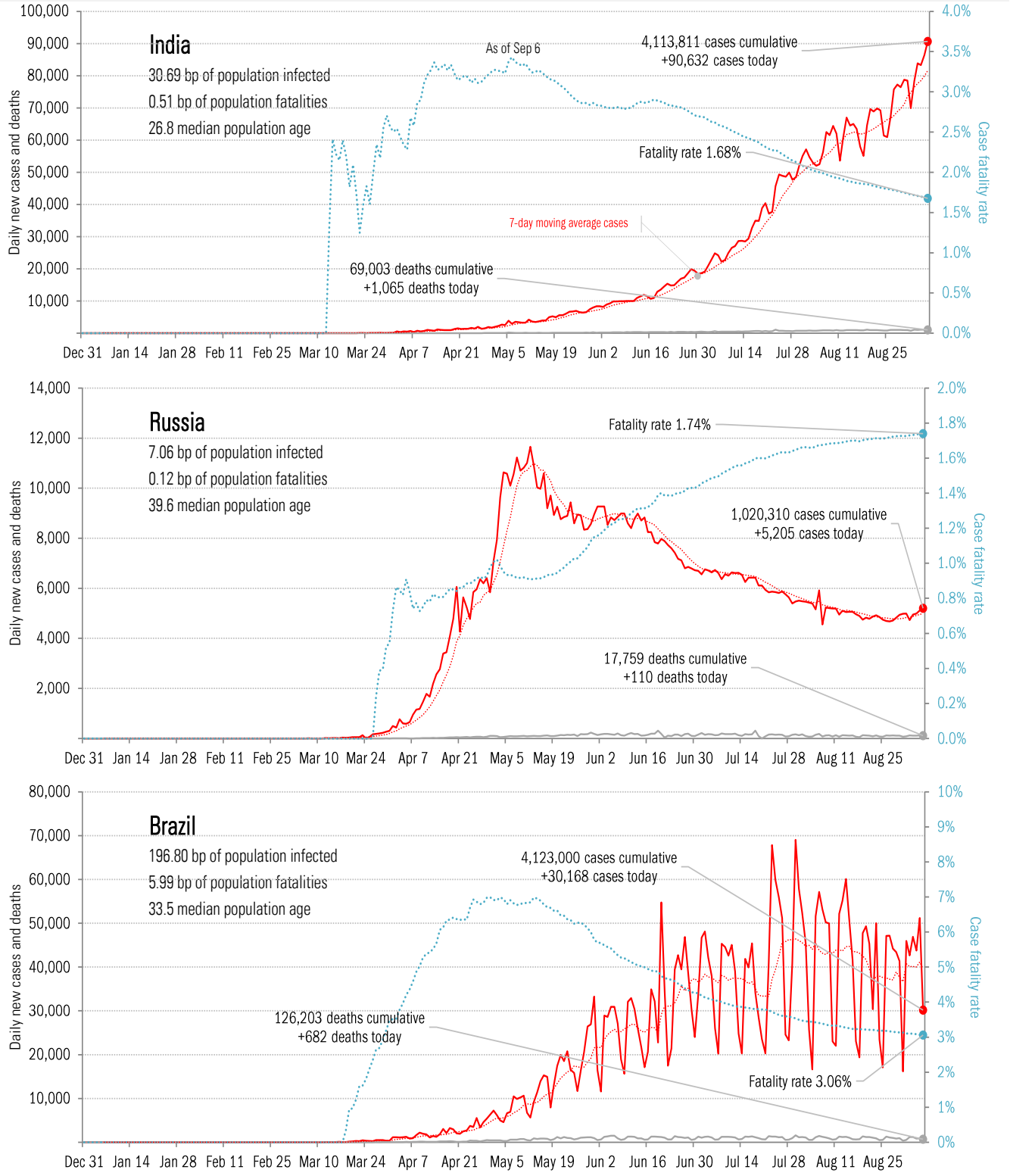
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



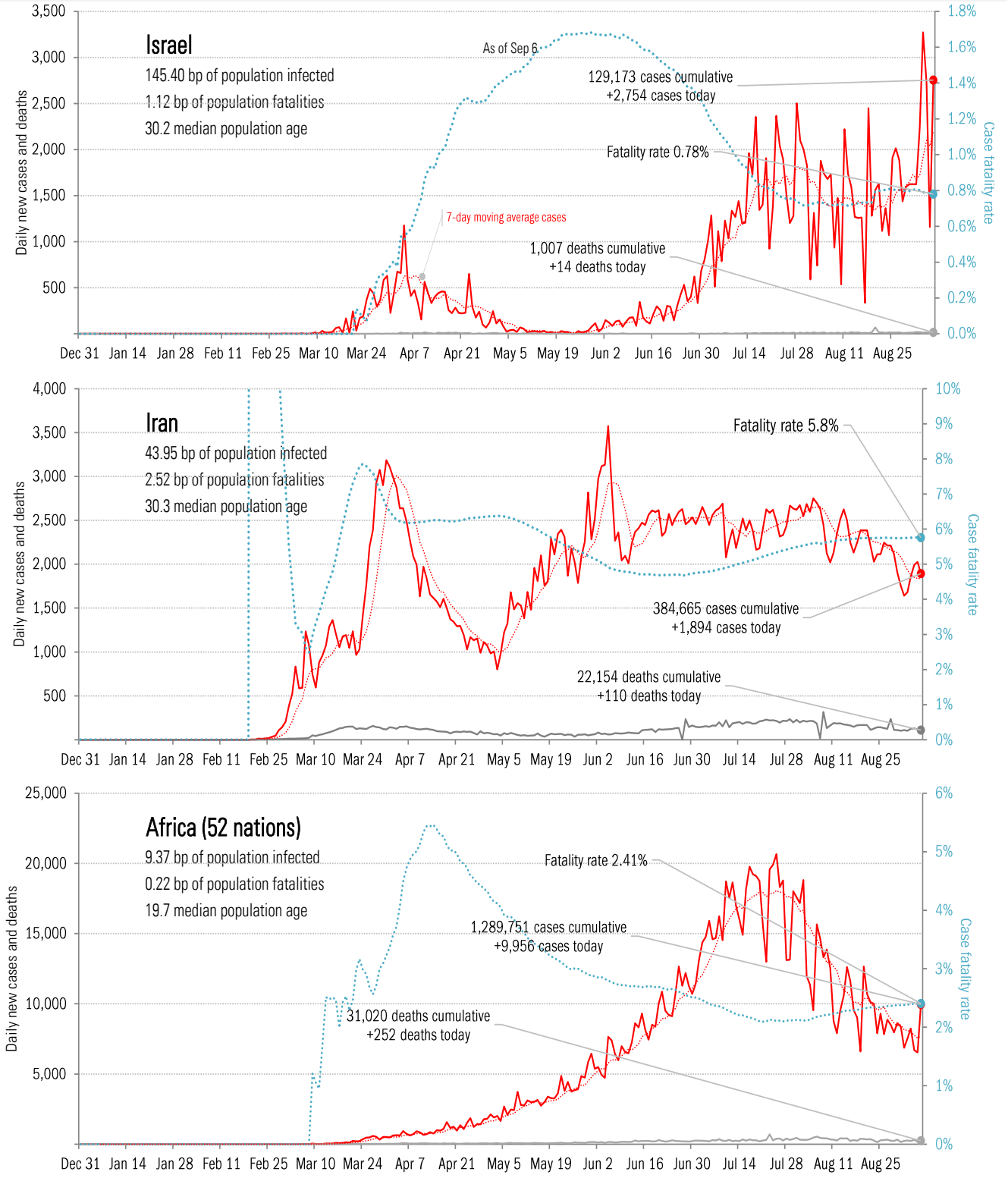
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations