Trend Macrolytics, LLC
Donald Luskin, Chief Investment Officer
Thomas Demas, Managing Director
Michael Warren, Energy Strategist

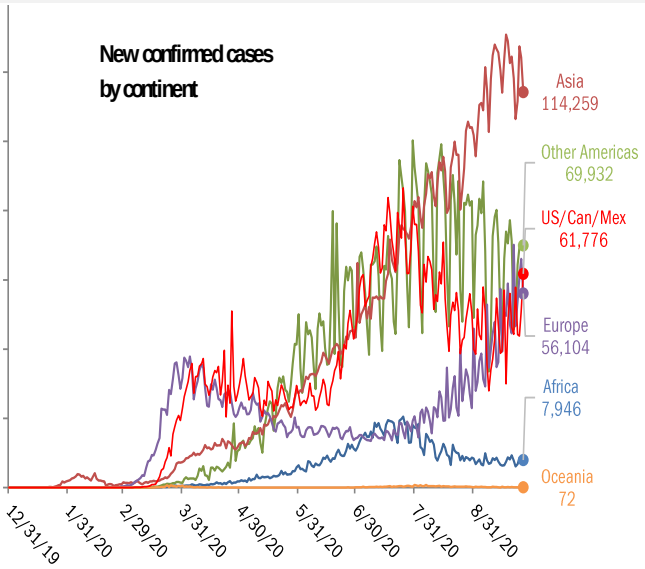
Data Insights: Covid-2019 Monitor

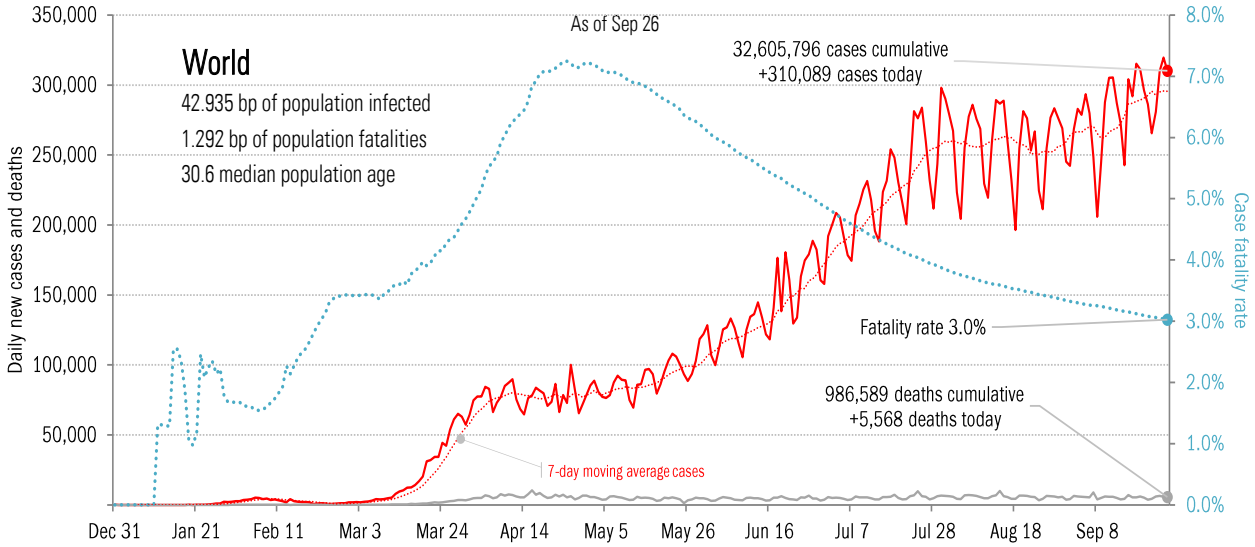
Saturday, September 26, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+85,362	India	+1,089
US	+55,526	US	+964
Brazil	+31,911	Brazil	+729
France	+15,797	Argentina	+442
Argentina	+12,956	Mexico	+405
Spain	+12,272	Iran	+207
Colombia	+7,494	Colombia	+179
Russia	+7,212	France	+150
UK	+6,873	Indonesia	+113
Peru	+5,654	Russia	+108
	+241,057		+4,386
World	+310,089	World	+5,568
Top ten	78%	Top ten	79%





Source: ECDC, TrendMacro calculations

For more information contact us:
Donald Luskin: 312 273 6766 don@trendmacro.com
Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

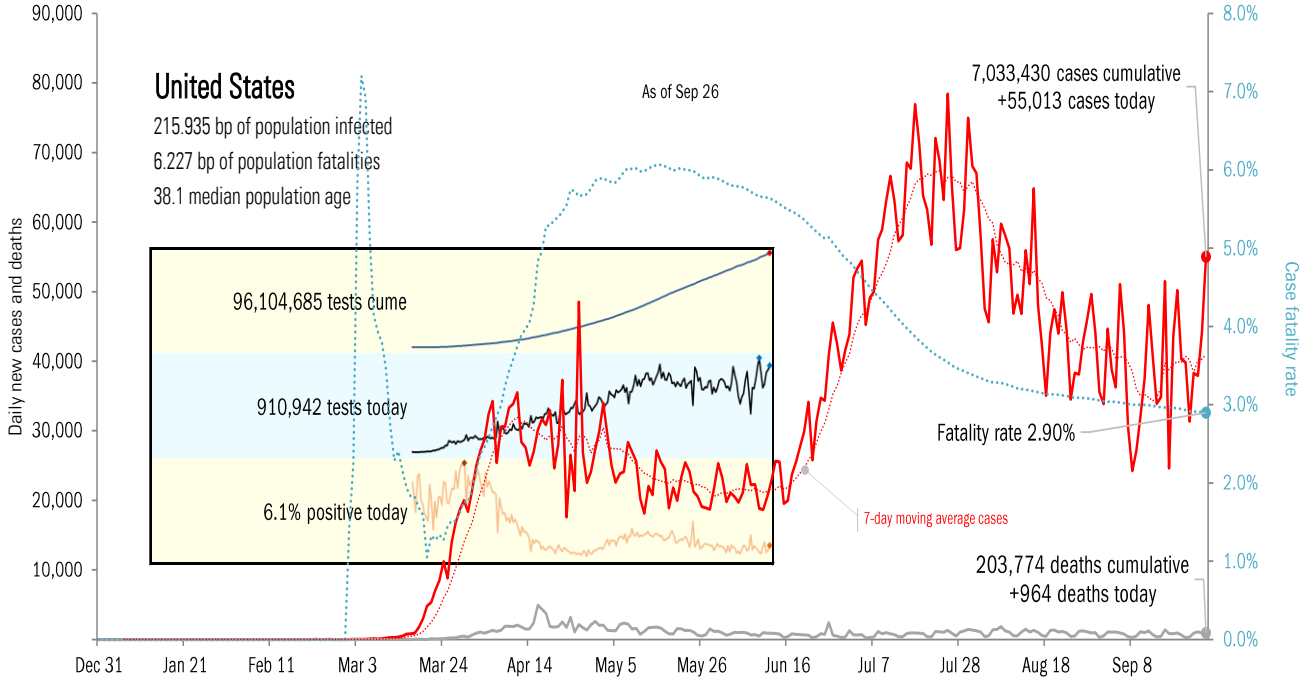
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
NC	+6,142	FL	+122	FL	+172	CA	794,040	NY	25,446	NY	89,995
TX	+4,633	TX	+97	GA	+132	TX	728,552	NJ	16,097	FL	43,793
CA	+3,400	CA	+84	OH	+76	FL	695,887	CA	15,398	GA	28,035
FL	+2,847	NC	+53	IN	+75	NY	453,755	TX	15,364	NJ	23,285
IL	+2,805	GA	+52	AL	+74	GA	312,514	FL	14,083	AZ	21,972
WI	+2,629	MO	+42	VA	+69	IL	286,374	MA	9,373	VA	18,150
AL	+2,452	TN	+42	WI	+65	AZ	216,367	IL	8,807	AL	16,852
MO	+1,987	IL	+33	TN	+64	NC	204,331	PA	8,081	MD	15,328
TN	+1,910	AZ	+28	OK	+62	NJ	202,100	MI	7,027	OH	15,127
GA	+1,468	VA	+23	MN	+56	TN	189,454	GA	6,874	MA	12,619
	+30,273		+576		+845		4,083,374		126,550		285,156
All states	+55,526	All states	+844	All states	+1,331	All states	6,997,437	All states	195,696	All states	402,171
Top ten	55%	Top ten	68%	Top ten	63%	Top ten	58%	Top ten	65%	Top ten	71%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
RI	-264	FL	-57	CT	-113	TX	+3,974
AR	-189	TX	-41	VA	-58	WI	+1,640
IA	-174	AL	-33	WA	-27	TN	+1,465
PR	-119	CA	-26	MT	-24	IA	+1,139
HI	-77	PA	-15	GA	-22	OH	+1,130



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

Recommended reading

Lockdown 'could kill 75,000 over five years'
Ben Spencer and Simon Walters
Daily Mail
September 25, 2020

Novavax Enters Final Stage of Coronavirus Vaccine Trials
Katie Thomas and Carl Zimmer
New York Times
September 24, 2020

Infant Outcomes Following Maternal Infection with SARS-CoV-2: First Report from the PRIORITY Study
Valerie J Flaherman et al.
Clincial Infectious Diseases
September 18, 2020

Just 1% of US Counties Have Had Nearly Half of All COVID-19 Deaths
Drew Gonshorowski and Norbert Michel
Daily Signal
September 22, 2020

France relaxes Covid rules in schools despite 'exponential' rise in national infections
Henry Samuel
The Telegraph
September 22, 2020

The Moral Case for Reopening Schools—Without Masks
John Tierney
City Journal
September 22, 2020

The type I interferon response in COVID-19: implications for treatment
Jeong Seok Lee et al.
Nature Reviews: Immunology
August 12, 2020

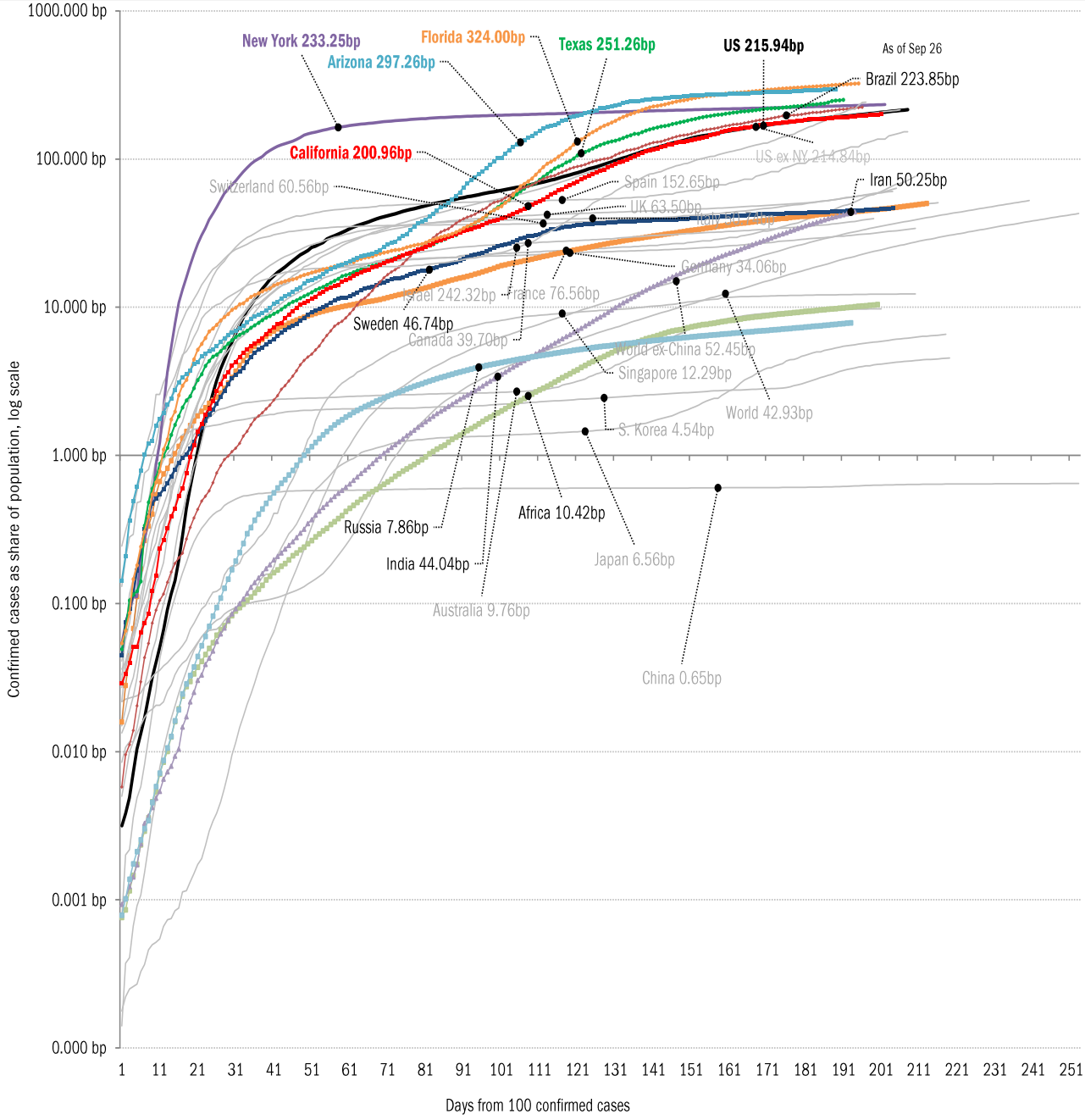
Covid Scientists Find a Turning Point in Life-Threatening Cases
Jason Gale
Bloomberg
September 24, 2020

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

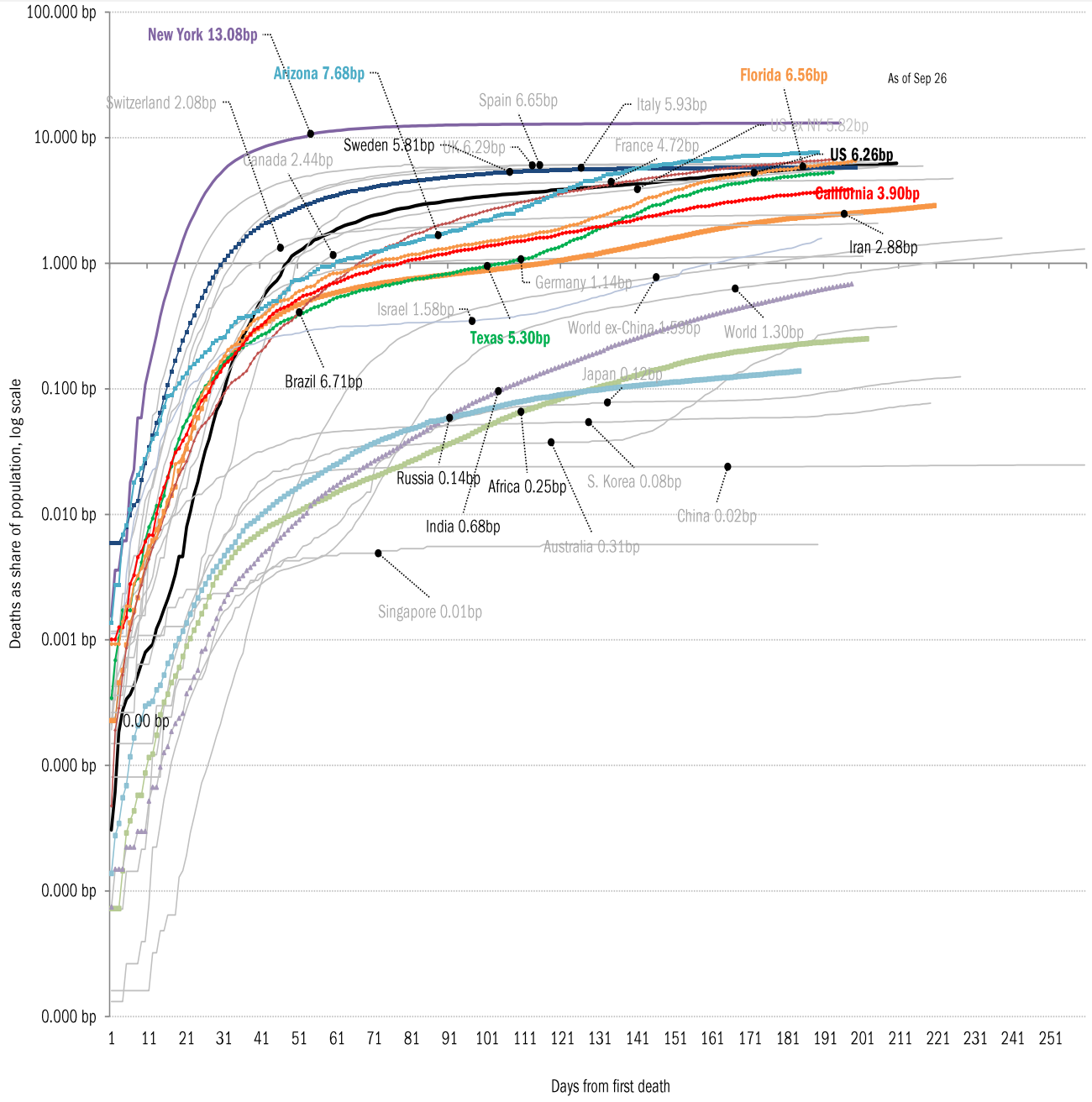
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

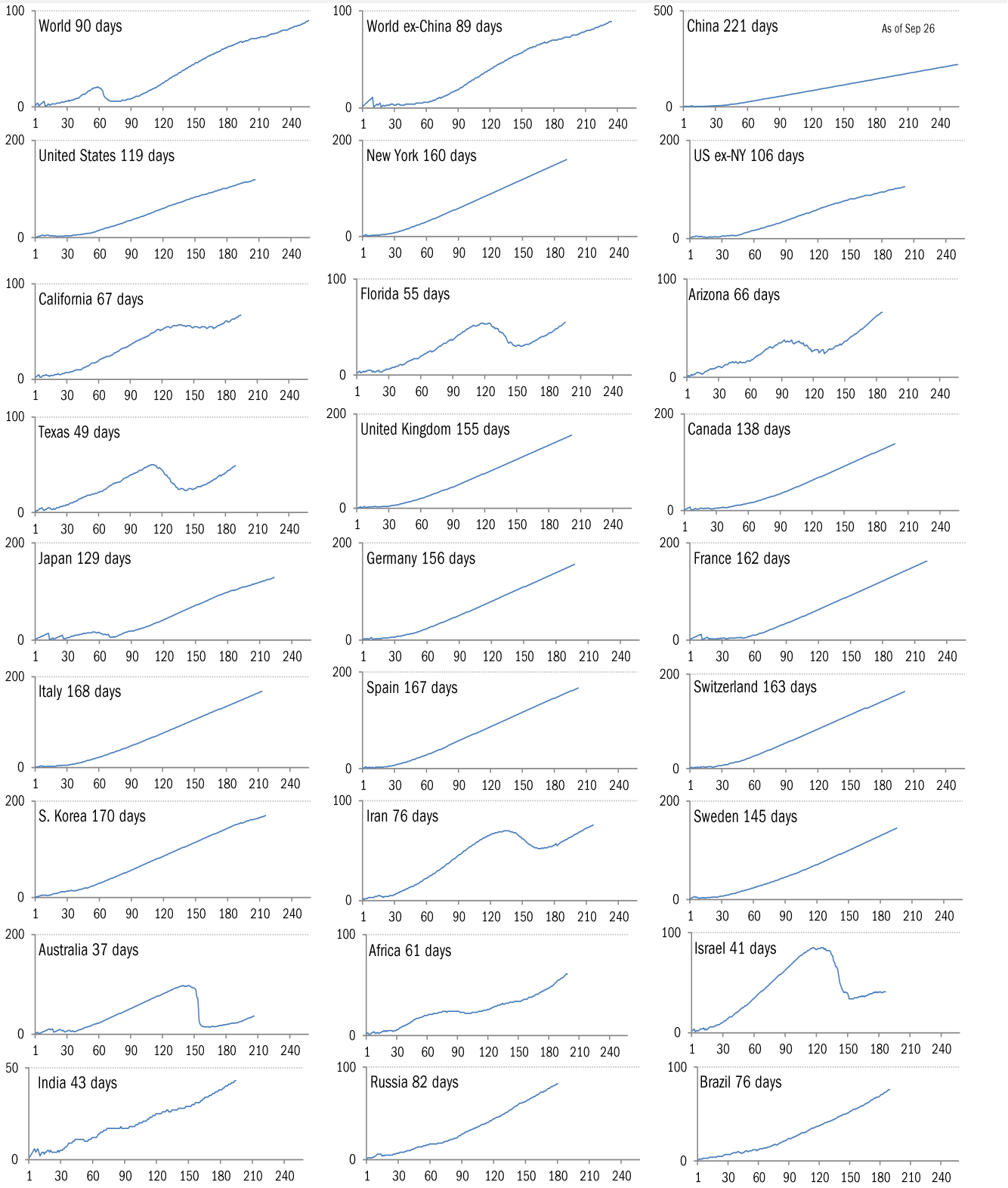


Source: ECDC, TrendMacro calculations

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

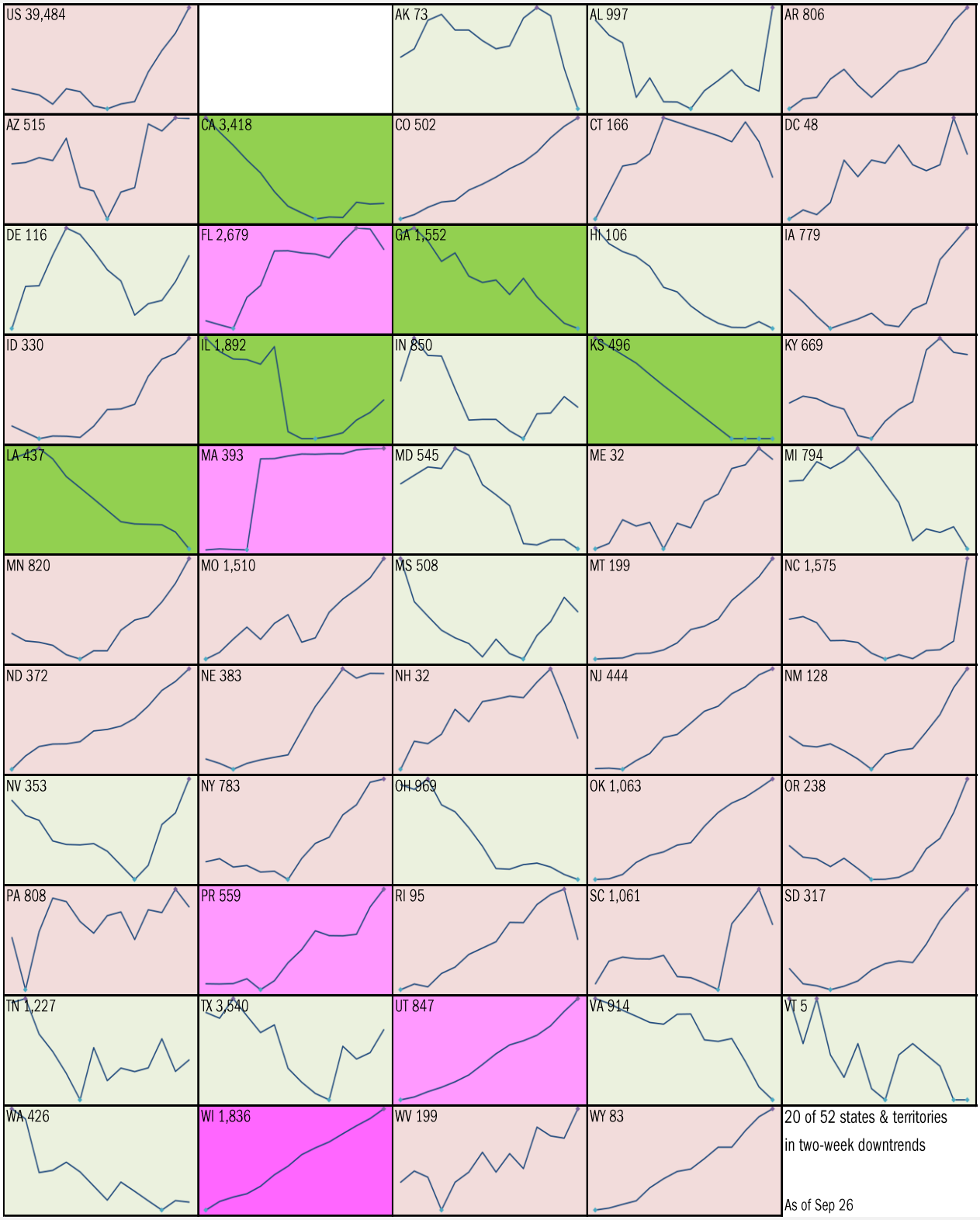


Source: ECDC, TrendMacro calculations

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

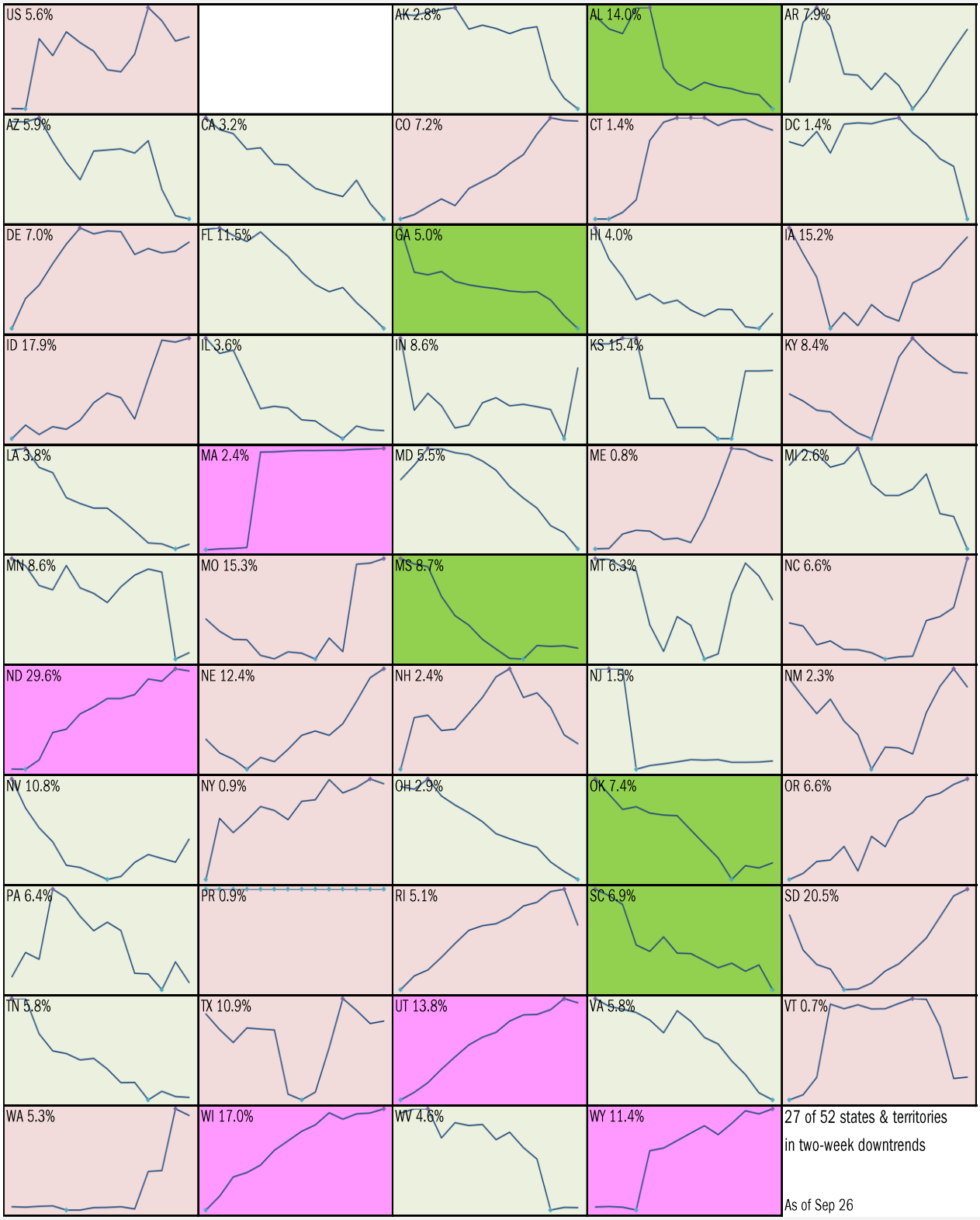


Source: Covid Tracking Project, TrendMacro calculations

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

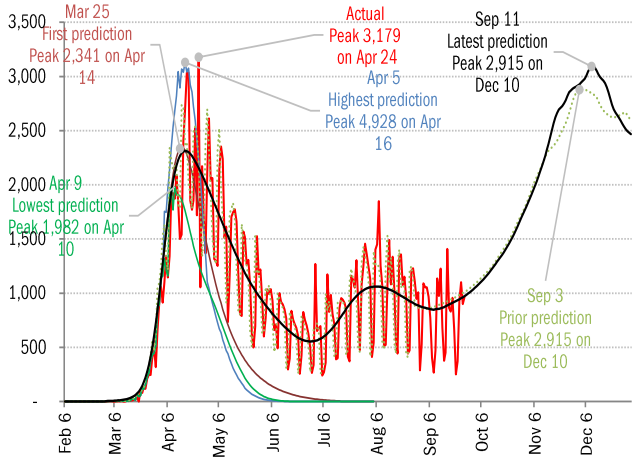


Source: Covid Tracking Project, TrendMacro calculations

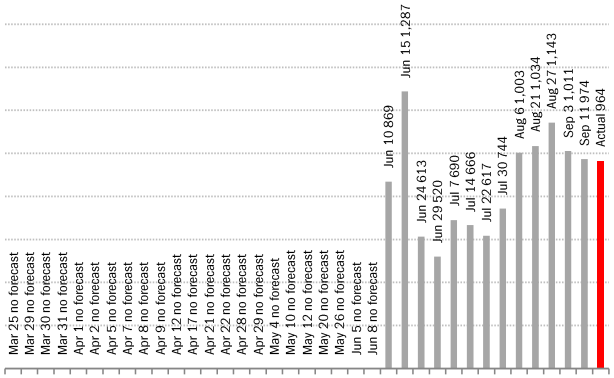
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Sep 26

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

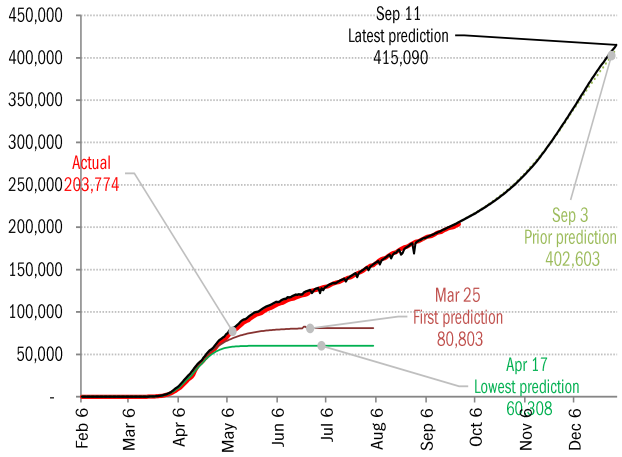


For this day, versus all model mean predictions

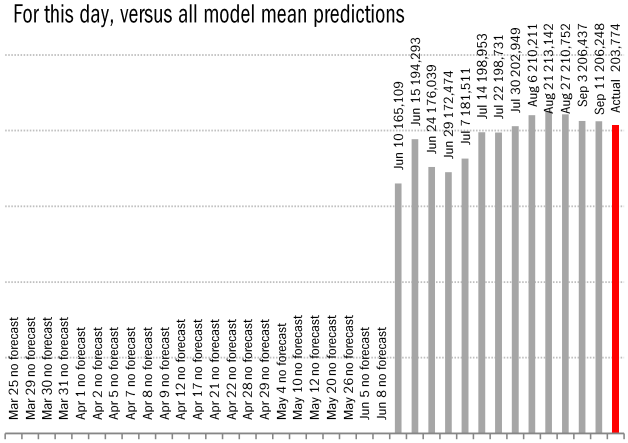


Cumulative fatalities

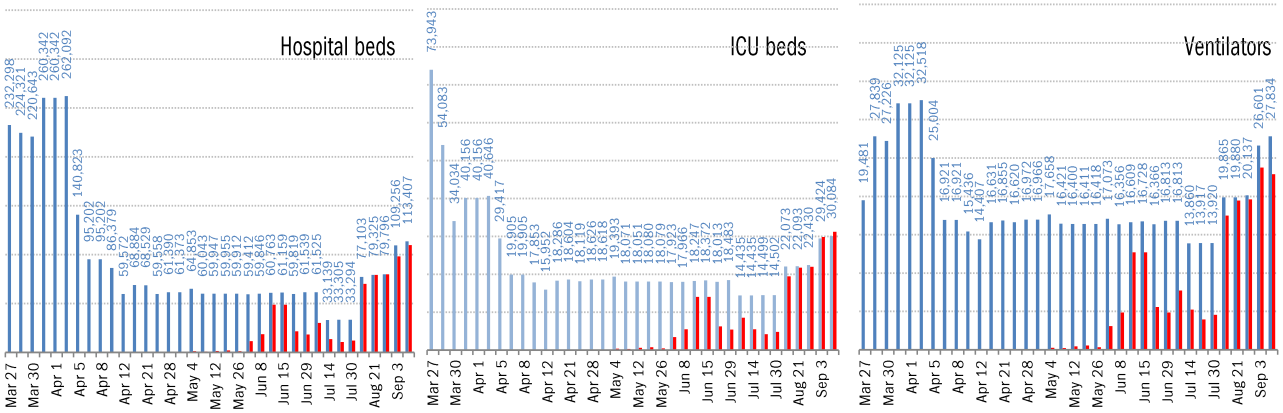
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

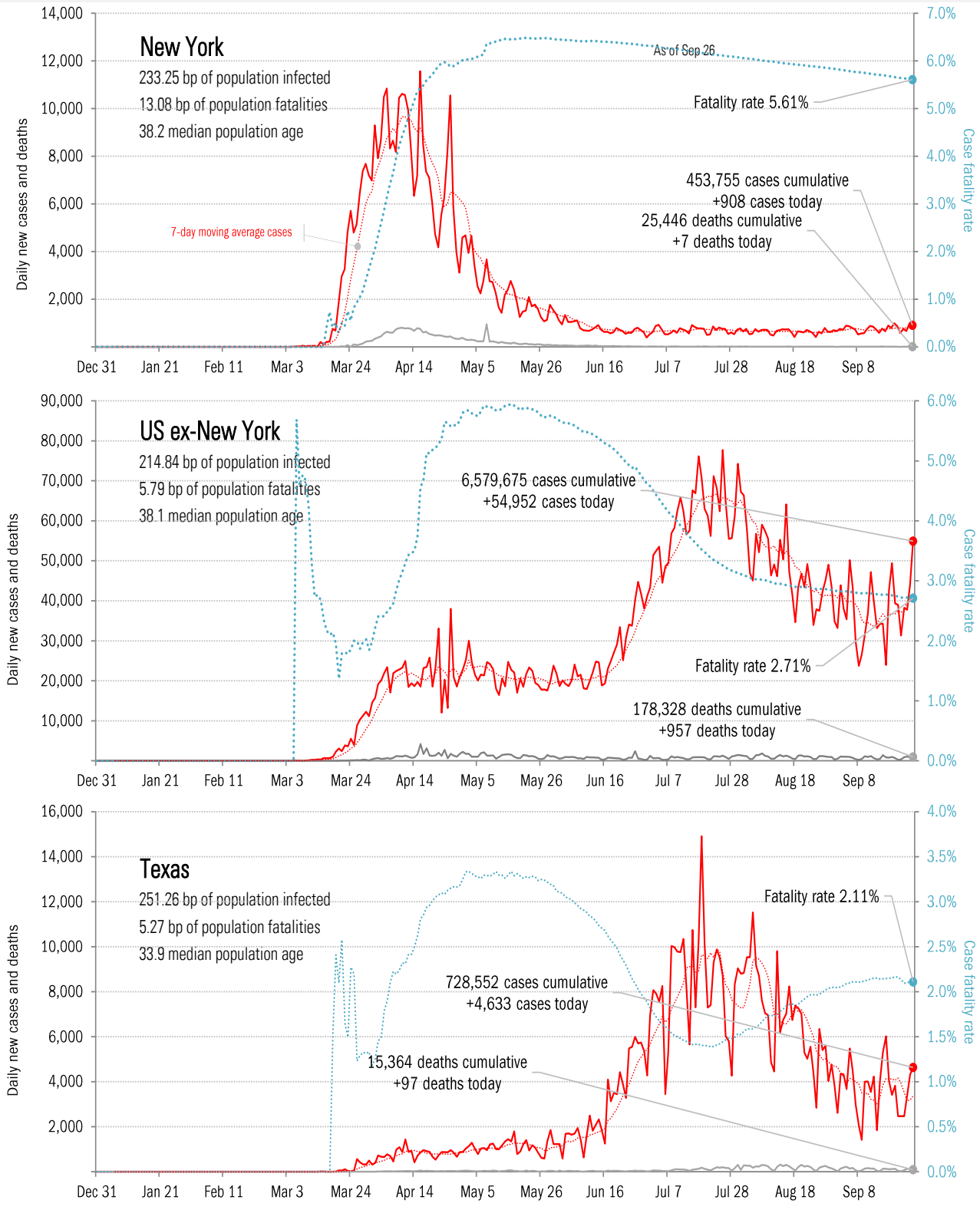


Healthcare system stress, peak and ultimate estimated at each model revision



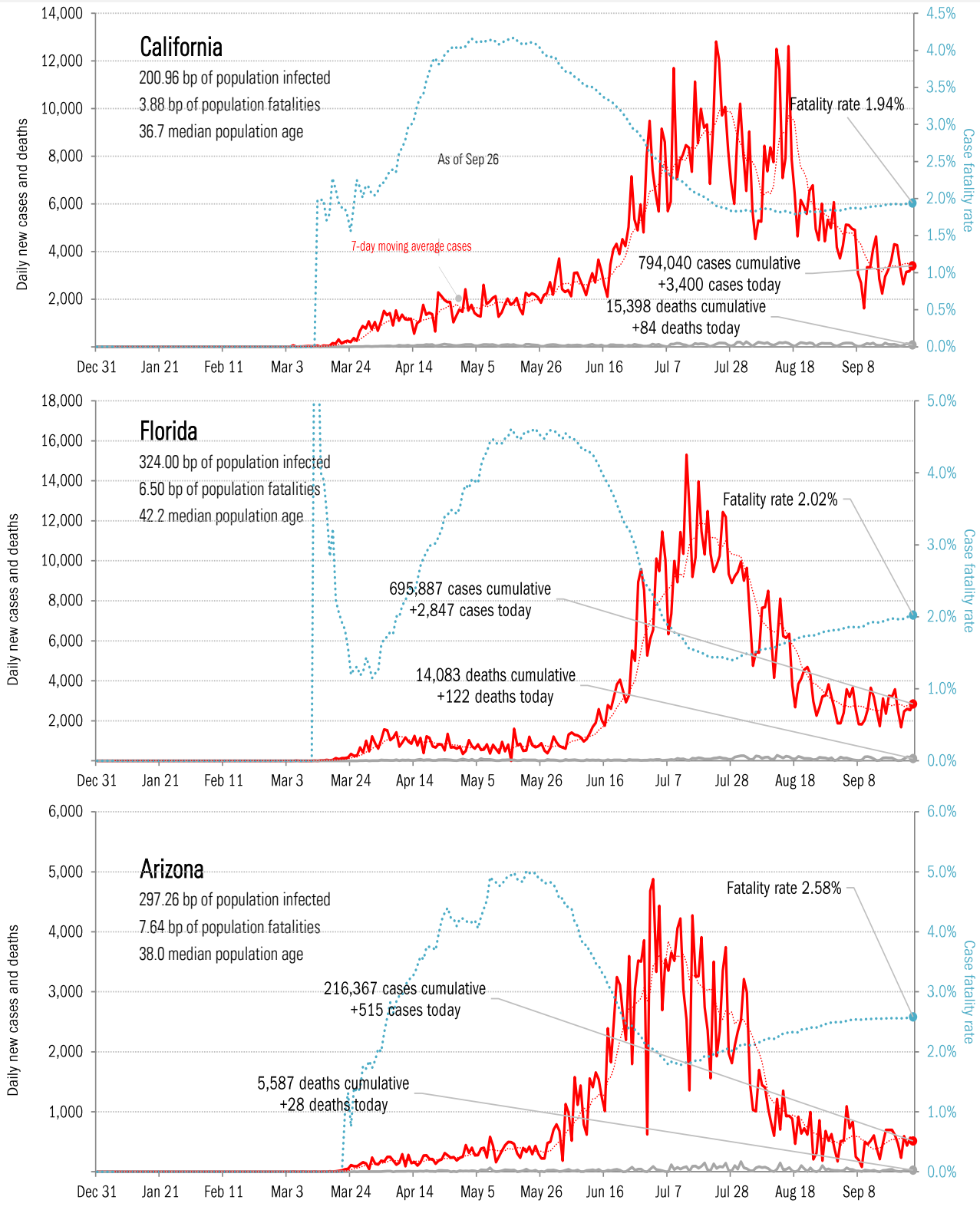
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



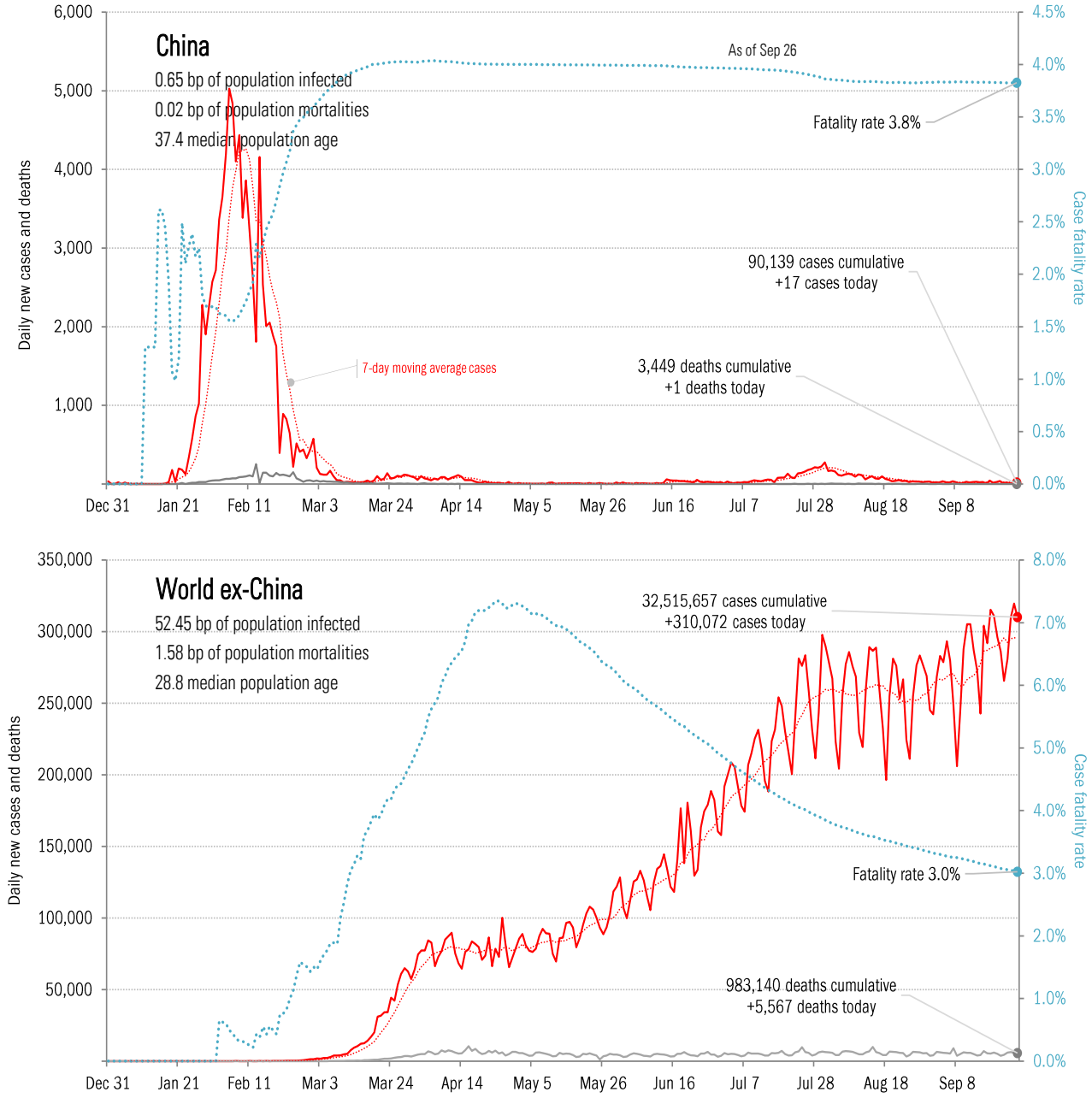
Source: ECDC, TrendMacro calculations

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



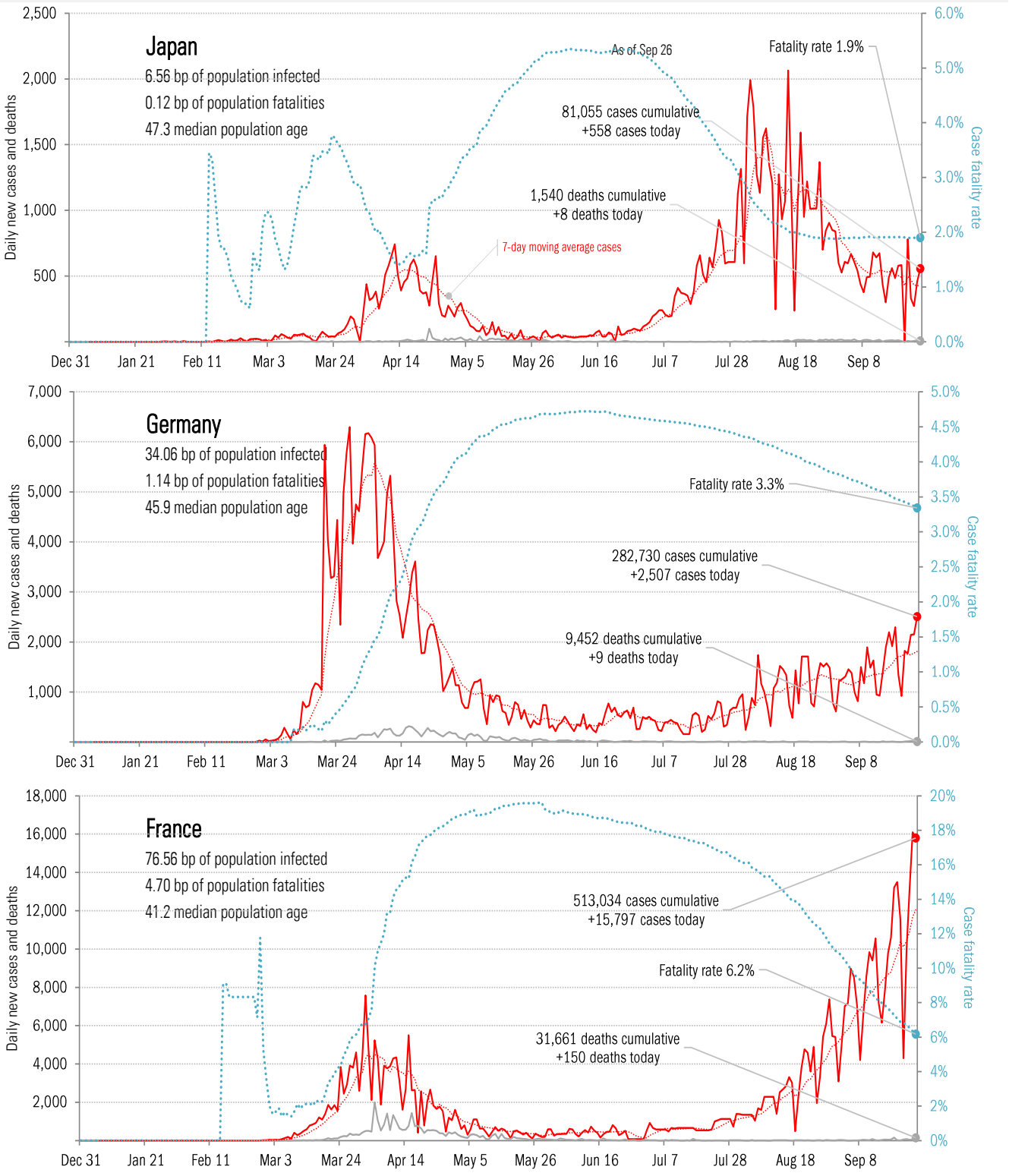
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



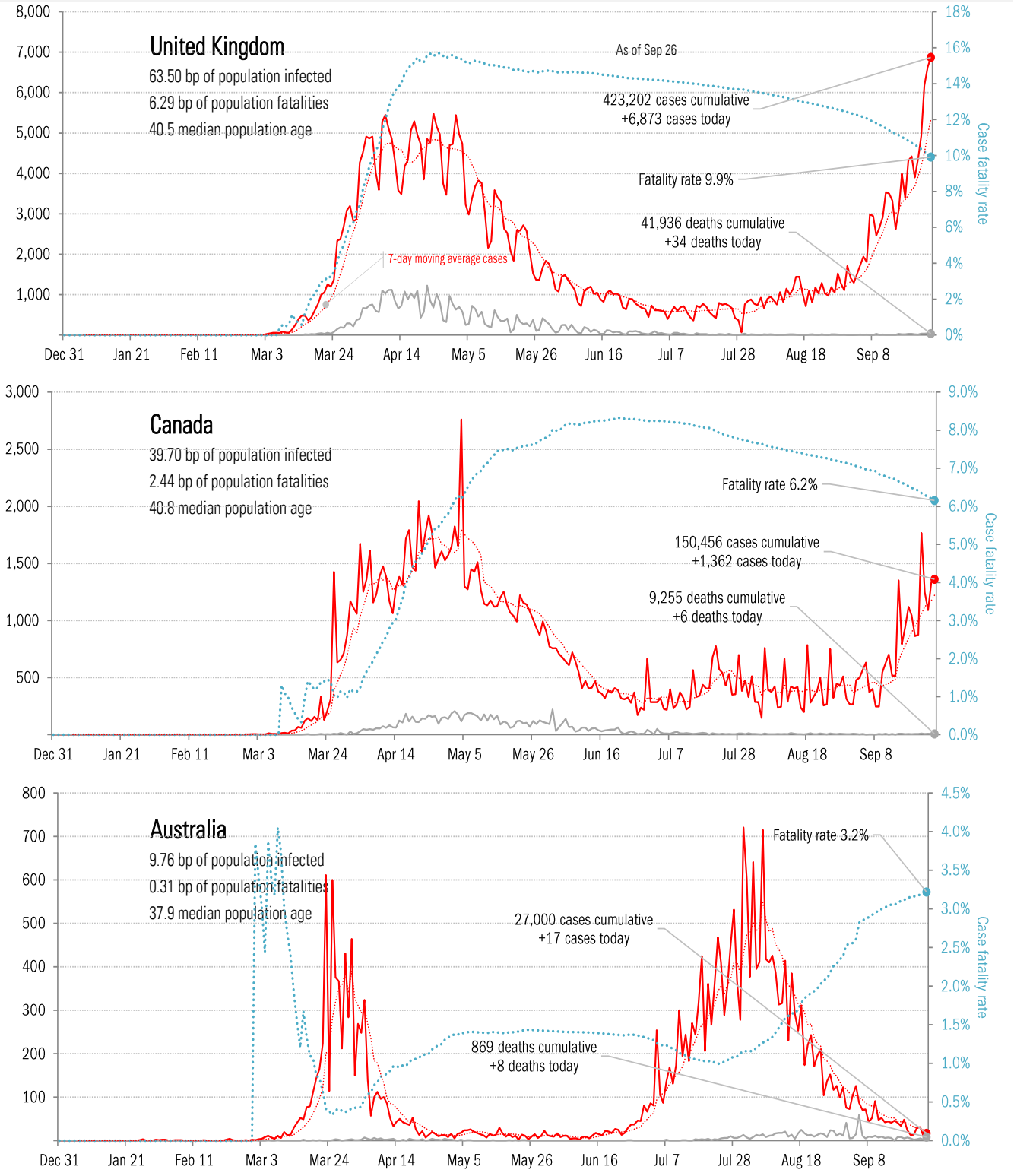
Source: ECDC, TrendMacro calculations

Impact in the largest economies



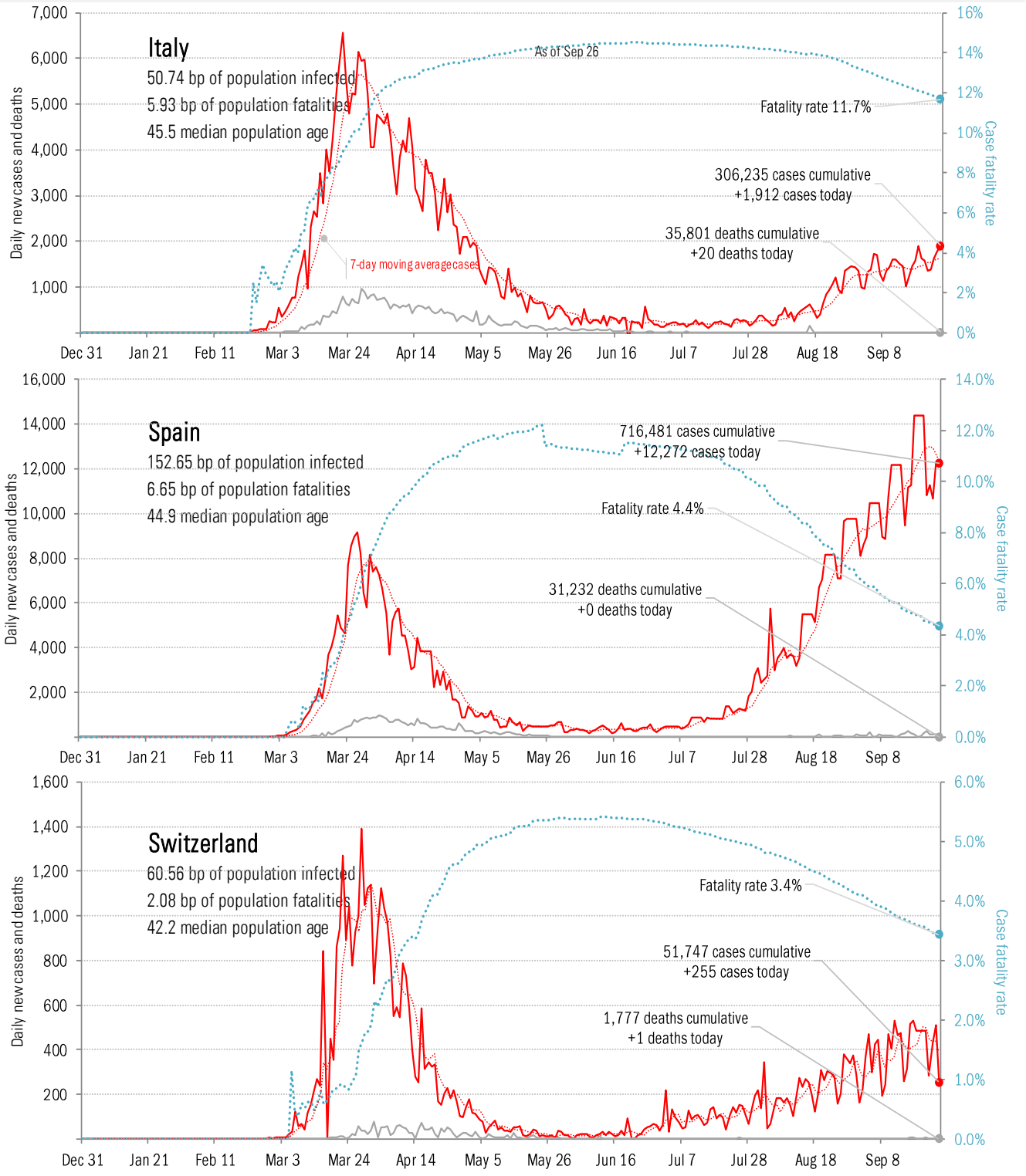
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



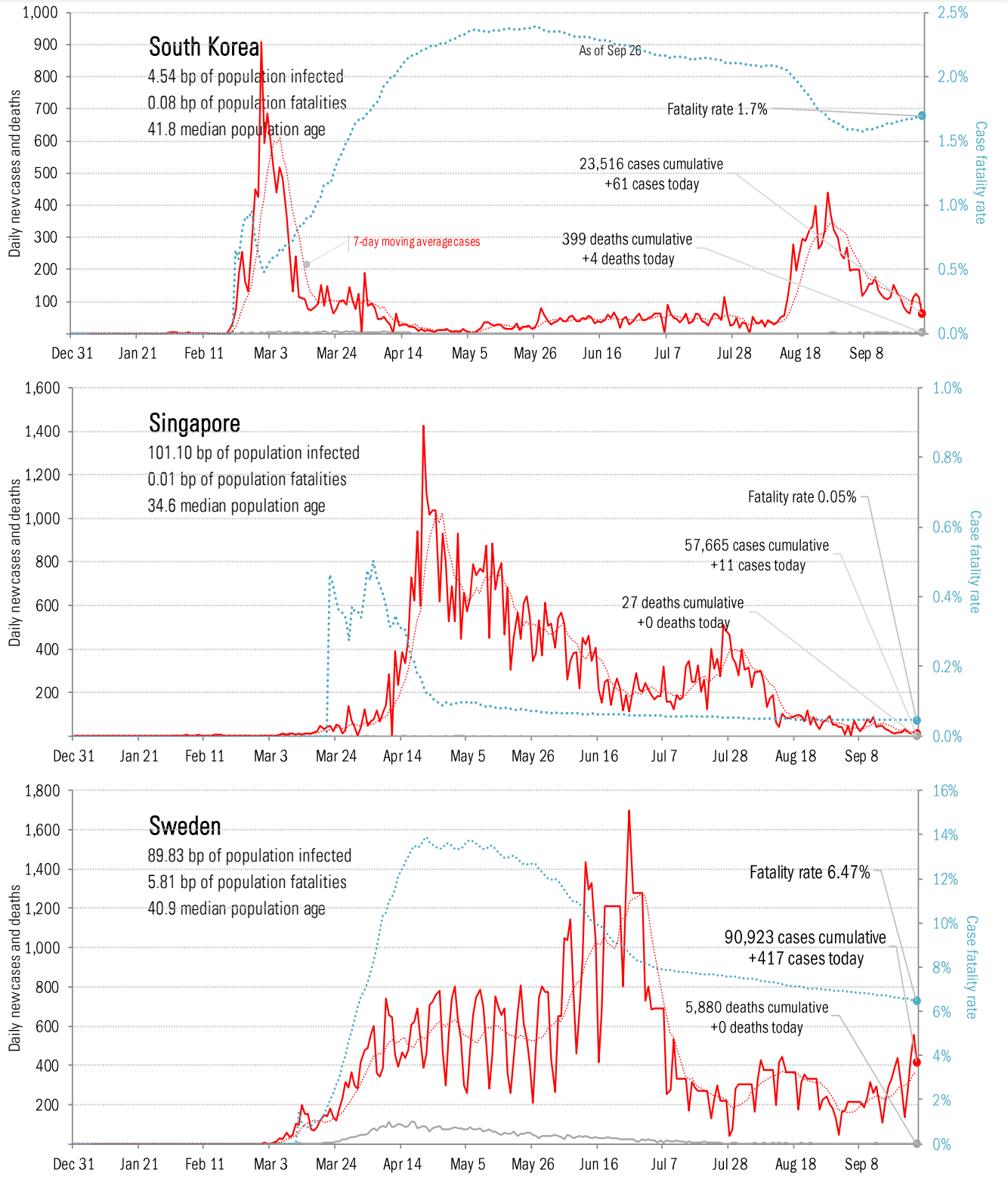
Source: ECDC, TrendMacro calculations

Impact in continental Europe



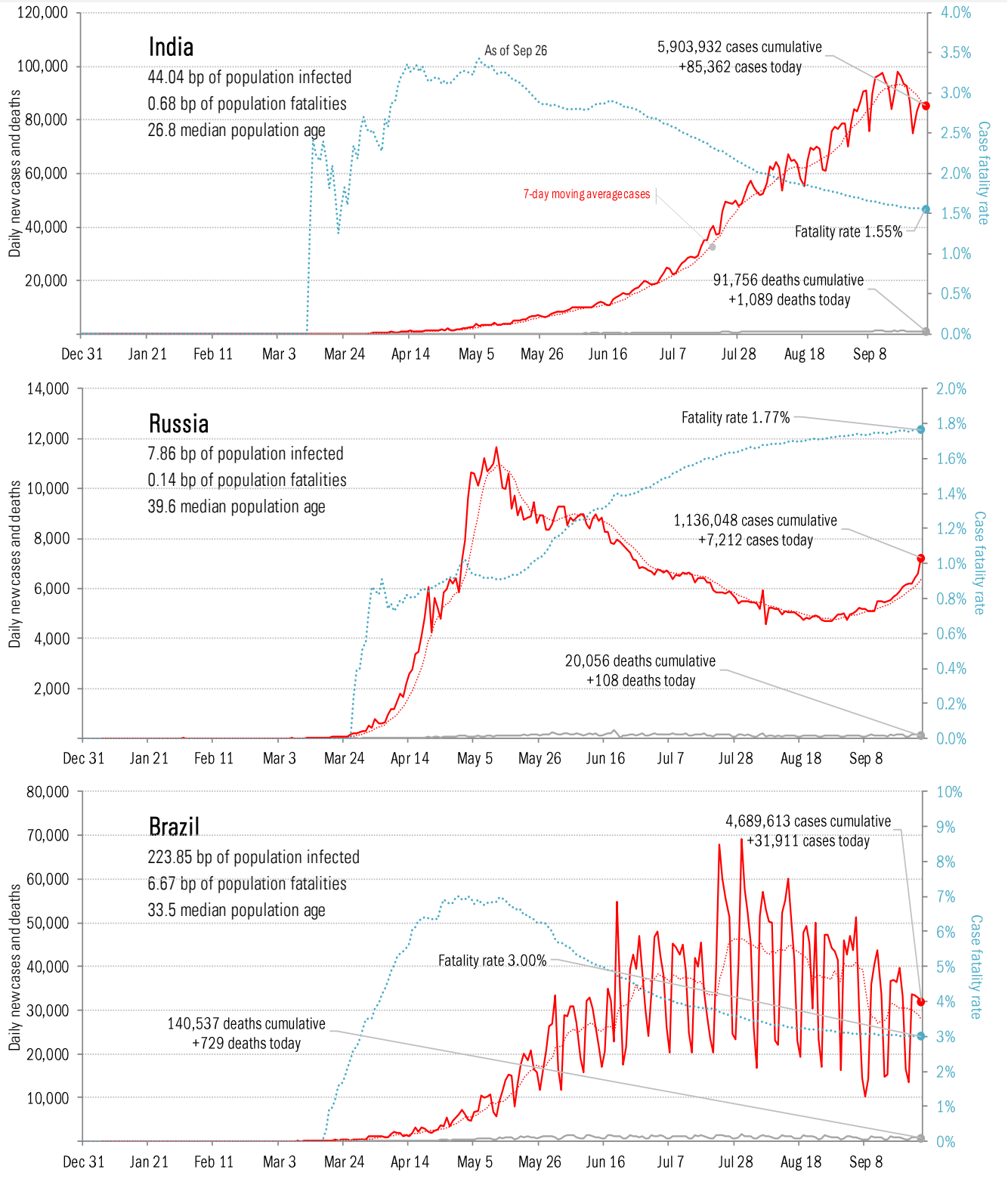
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



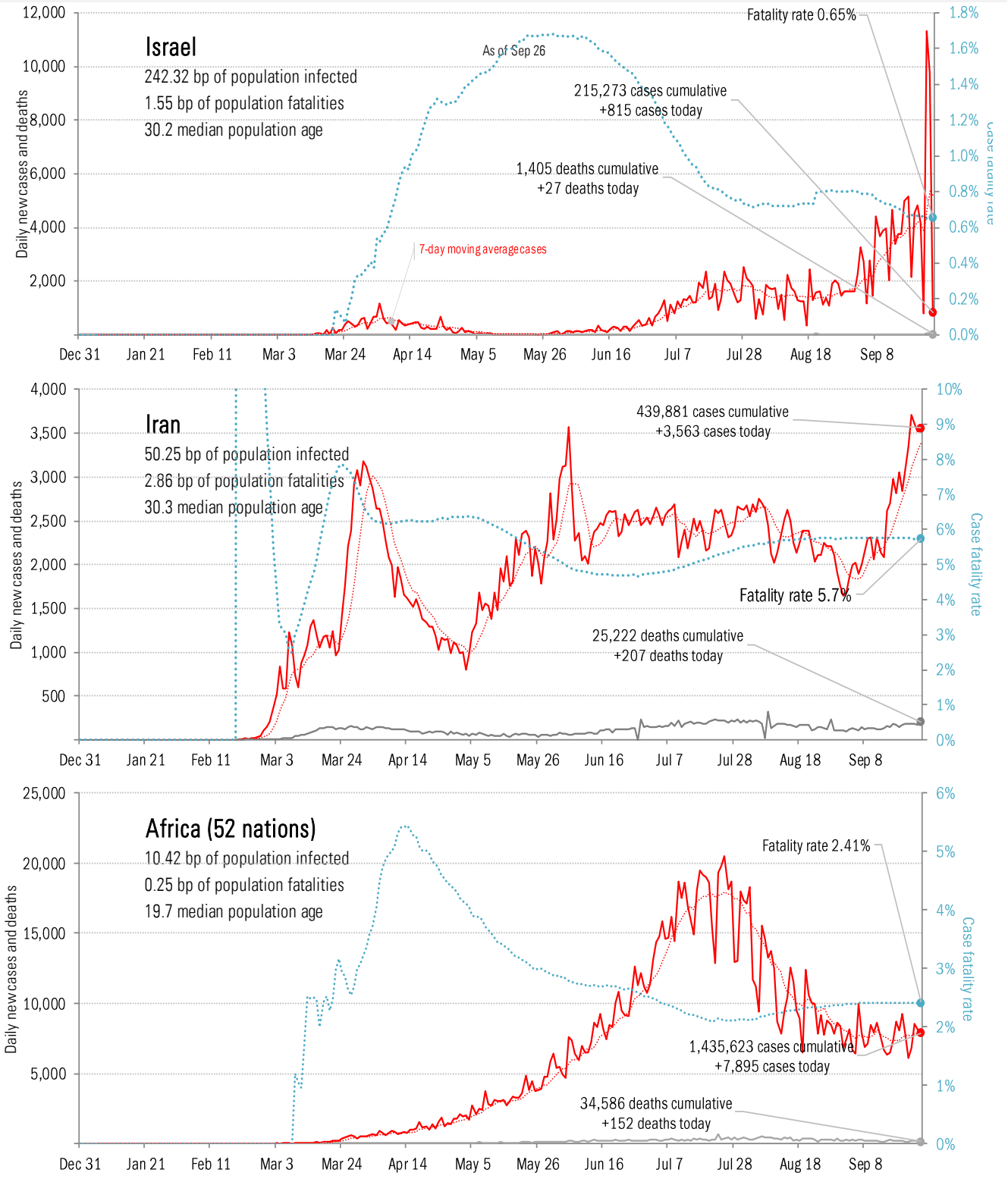
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations