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

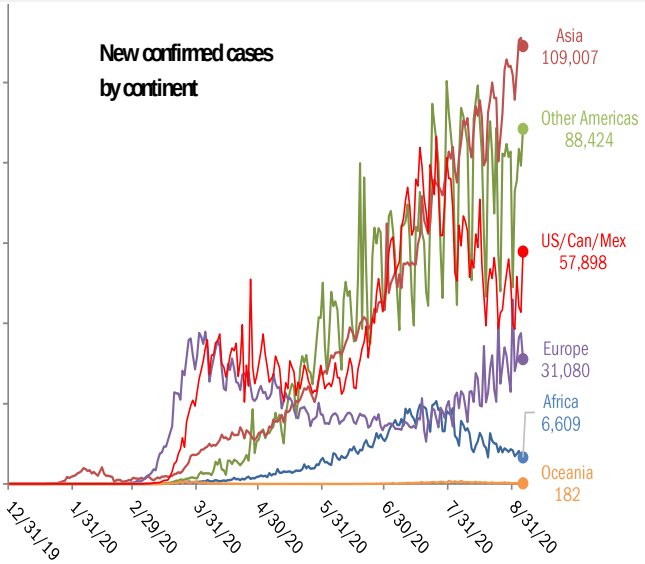
Data Insights: Covid-2019 Monitor

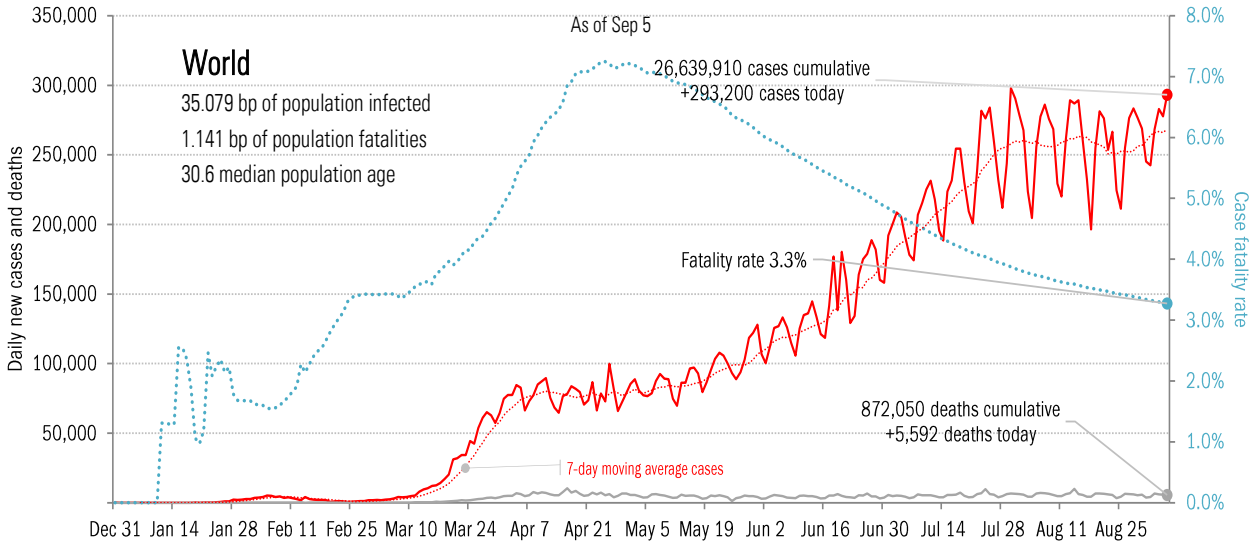
Saturday, September 5, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+86,432	India	+1,089
Brazil	+51,194	US	+968
US	+51,071	Brazil	+907
Argentina	+12,026	Mexico	+522
France	+8,975	Argentina	+313
Colombia	+8,488	Colombia	+270
Peru	+6,703	Peru	+149
Mexico	+6,196	Bolivia	+140
Russia	+5,110	Russia	+121
Iraq	+5,036	Iran	+118
	+241,231		+4,597
World	+293,200	World	+5,592
Top ten	82%	Top ten	82%





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

Copyright 2020 Trend Macrolytics LLC. All rights reserved. This document is not to be forwarded to individuals or organizations not authorized by Trend Macrolytics LLC to receive it. For information purposes only; not to be deemed to be recommendations for buying or selling specific securities or to constitute personalized investment advice. Derived from sources deemed to be reliable, but no warranty is made as to accuracy.

The US scorecard

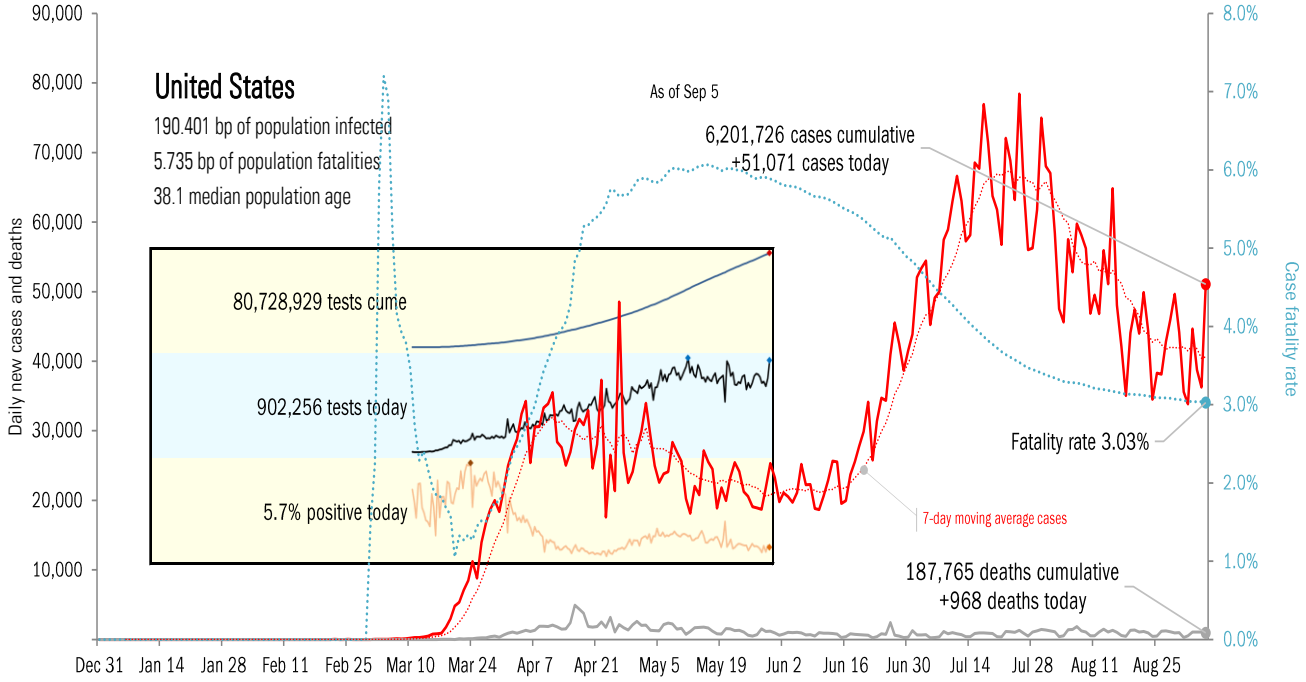
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
IL	+5,594	CA	+163	FL	+243	CA	722,283	NY	25,348	NY	89,995
TX	+5,482	TX	+140	GA	+143	FL	640,211	NJ	15,978	FL	40,127
CA	+5,106	FL	+103	TN	+81	TX	630,829	CA	13,490	GA	25,402
FL	+3,198	GA	+63	IN	+69	NY	437,971	TX	13,231	NJ	22,770
GA	+2,066	AZ	+41	OH	+68	GA	279,354	FL	11,903	AZ	21,498
NC	+2,045	SC	+39	VA	+68	IL	247,299	MA	9,100	VA	16,593
SC	+1,629	IL	+38	SC	+67	AZ	204,681	IL	8,362	AL	14,801
MO	+1,605	NC	+36	KS	+54	NJ	193,422	PA	7,742	MD	14,473
WI	+1,542	AL	+33	WI	+52	NC	174,254	MI	6,798	OH	13,731
OH	+1,332	KS	+23	OK	+48	TN	160,597	GA	5,931	MA	12,335
	+29,599		+679		+893		3,690,901		117,883		271,725
All states	+51,513	All states	+998	All states	+1,239	All states	6,168,994	All states	179,740	All states	376,639
Top ten	57%	Top ten	68%	Top ten	72%	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	
TN	-664	TX	-81	CT	-95	TX	+4,864
GA	-609	FL	-46	GA	-91	PA	+2,098
FL	-373	OH	-28	AL	-48	TN	+1,588
AZ	-364	AZ	-24	ID	-34	OH	+988
PA	-269	NV	-15	FL	-30	IN	+934



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

Recommended reading

[Restore our lives using medical science, data and common sense]
Scott Atlas
The Hill
September 3, 2020

[Answers to Anti-Schoolers on Mass General, Korea, Israel, Chicago, and Georgia]
Phil Kerpen
Comm
September 2020

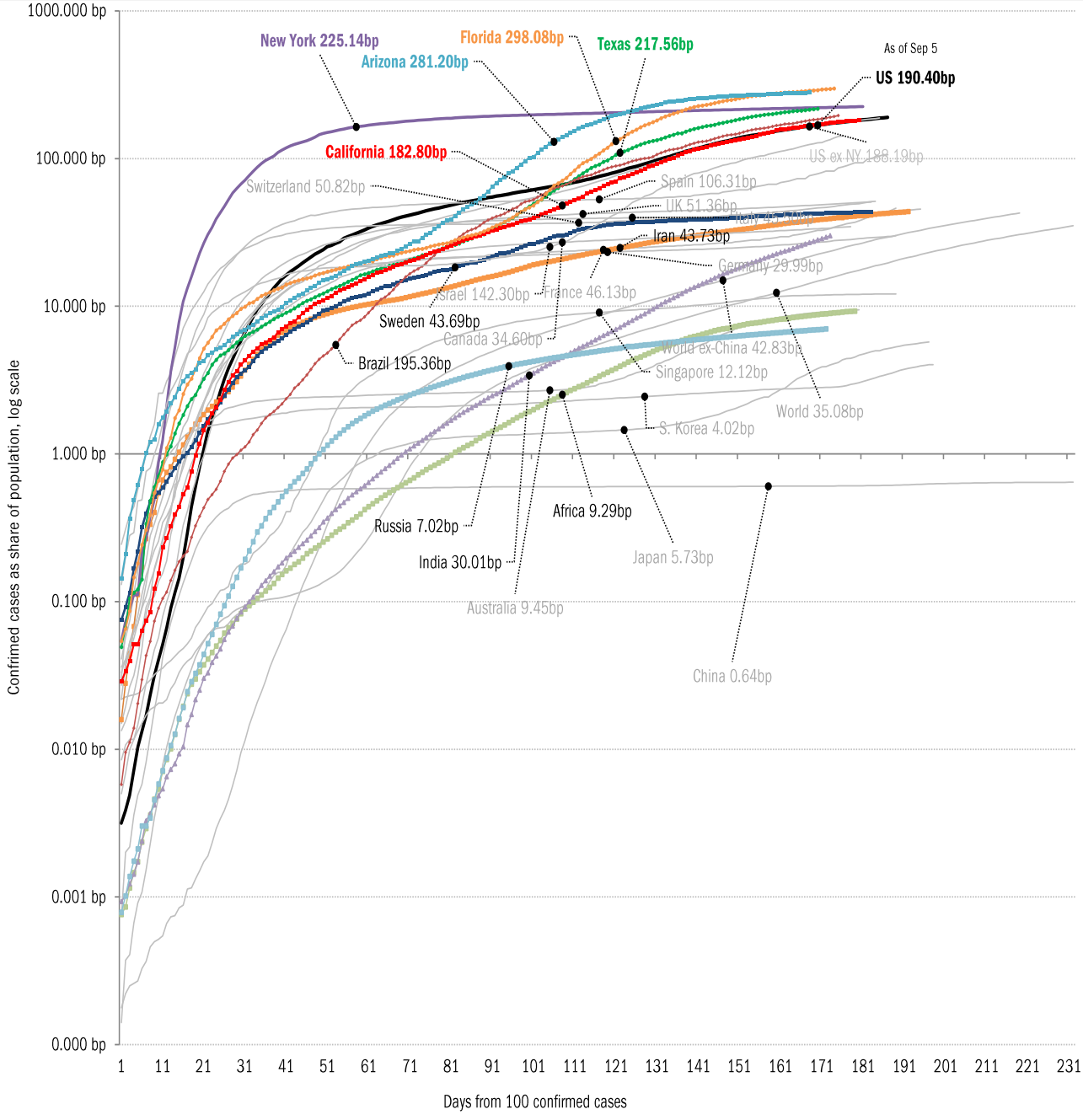
[To Combat Covid, Don't Turn the Clock Back]
Dinah Miller
Wall Street Journal
September 3, 2020

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

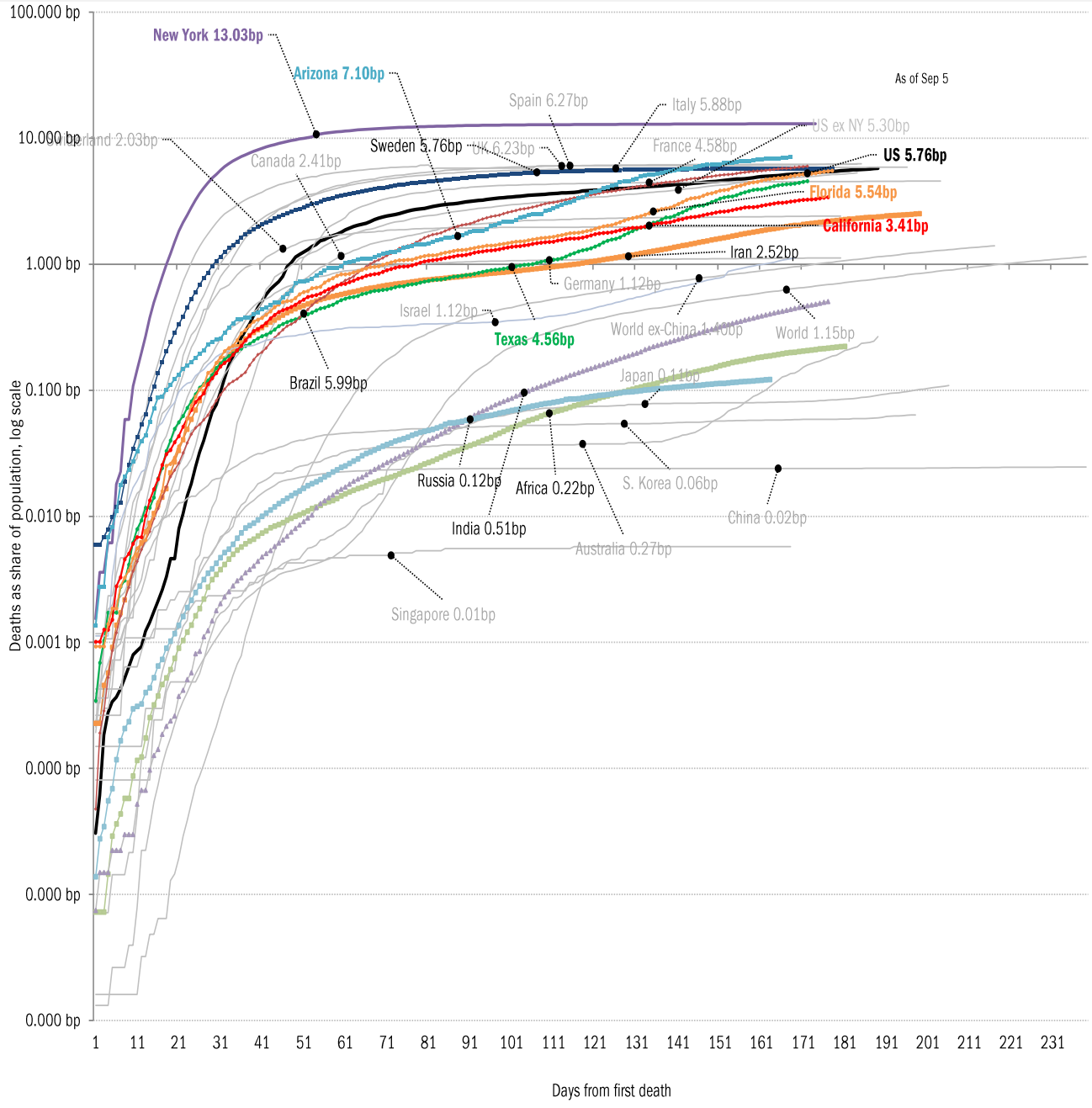
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

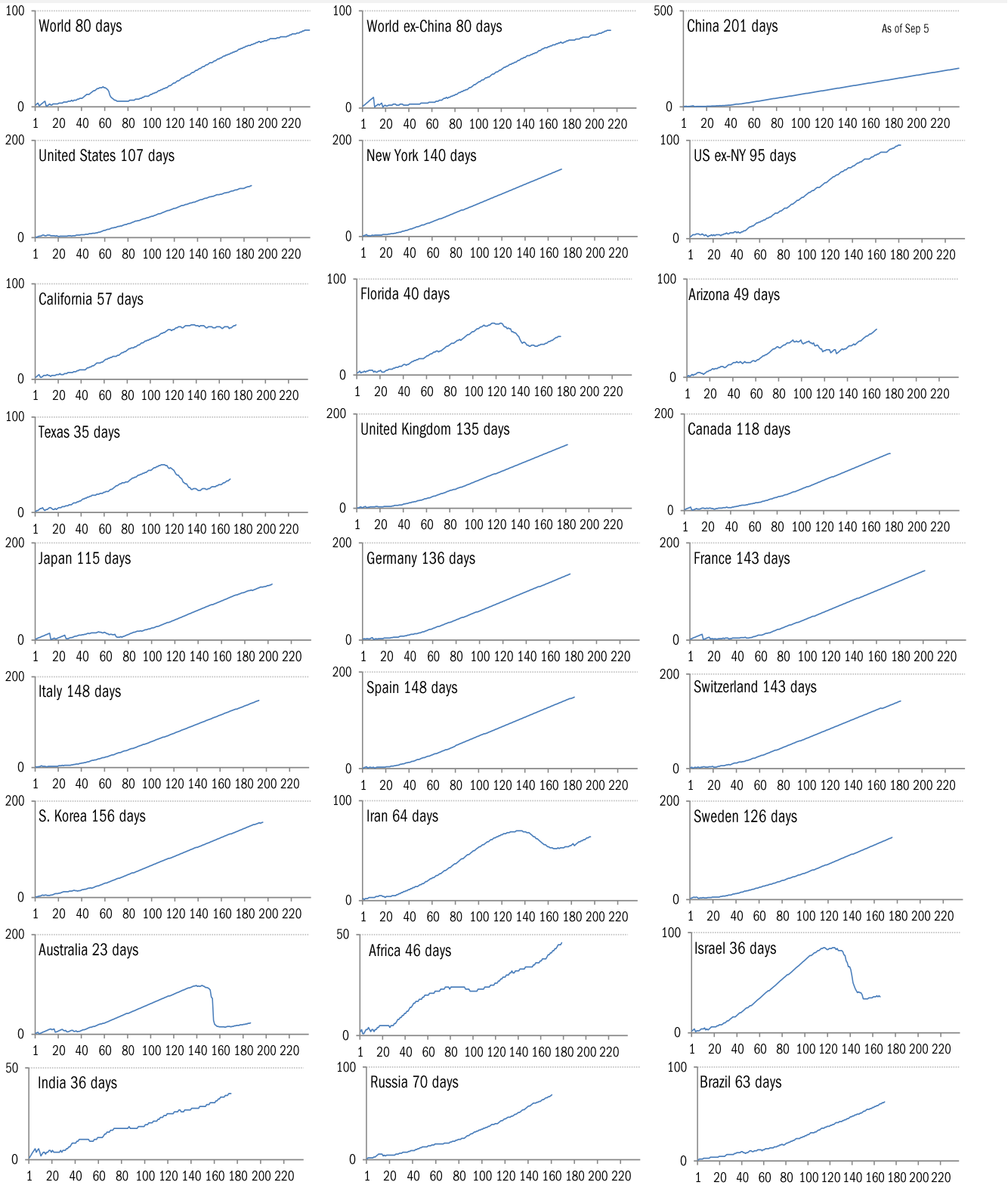


Source: ECDC, TrendMacro calculations

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

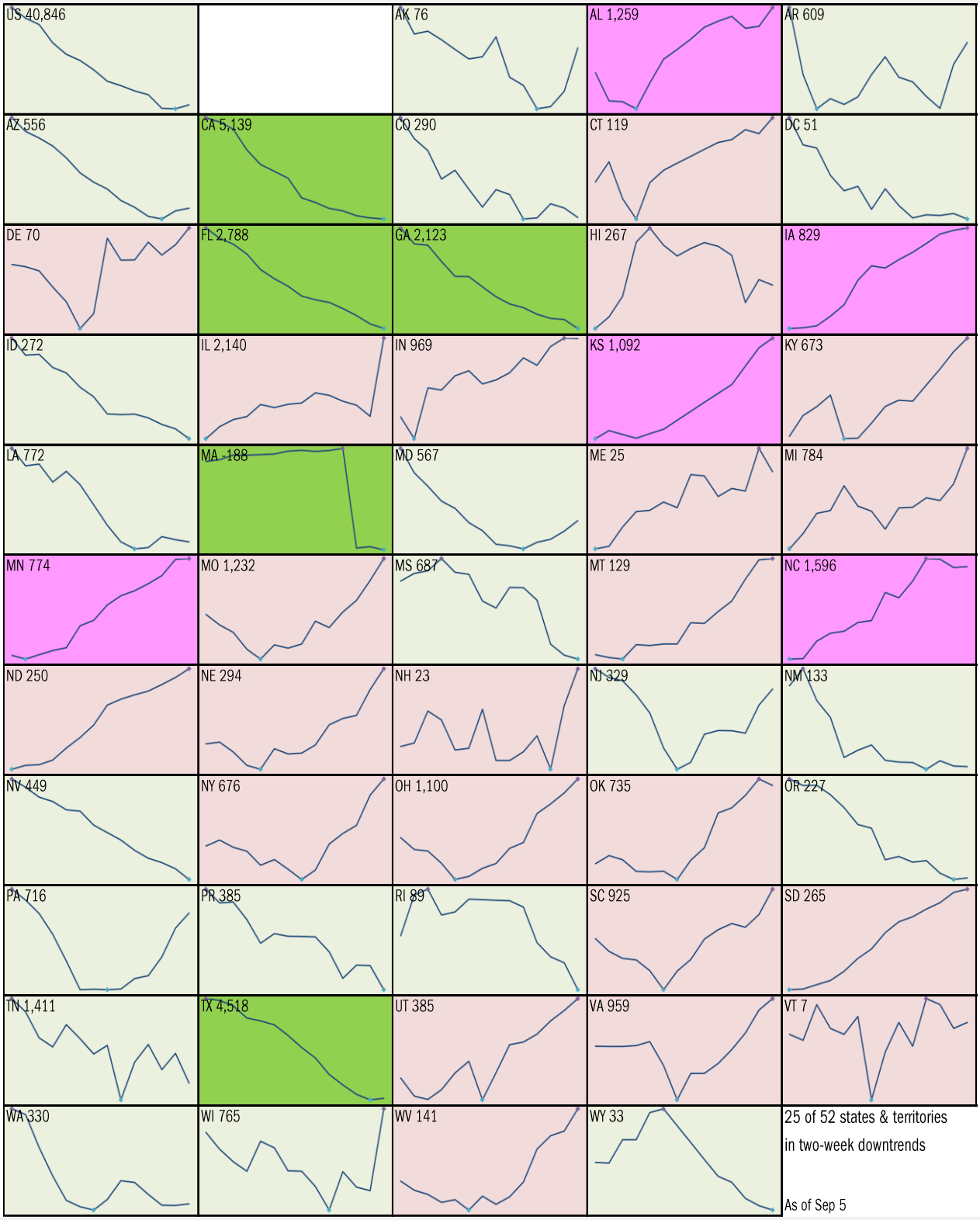


Source: ECDC, TrendMacro calculations

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

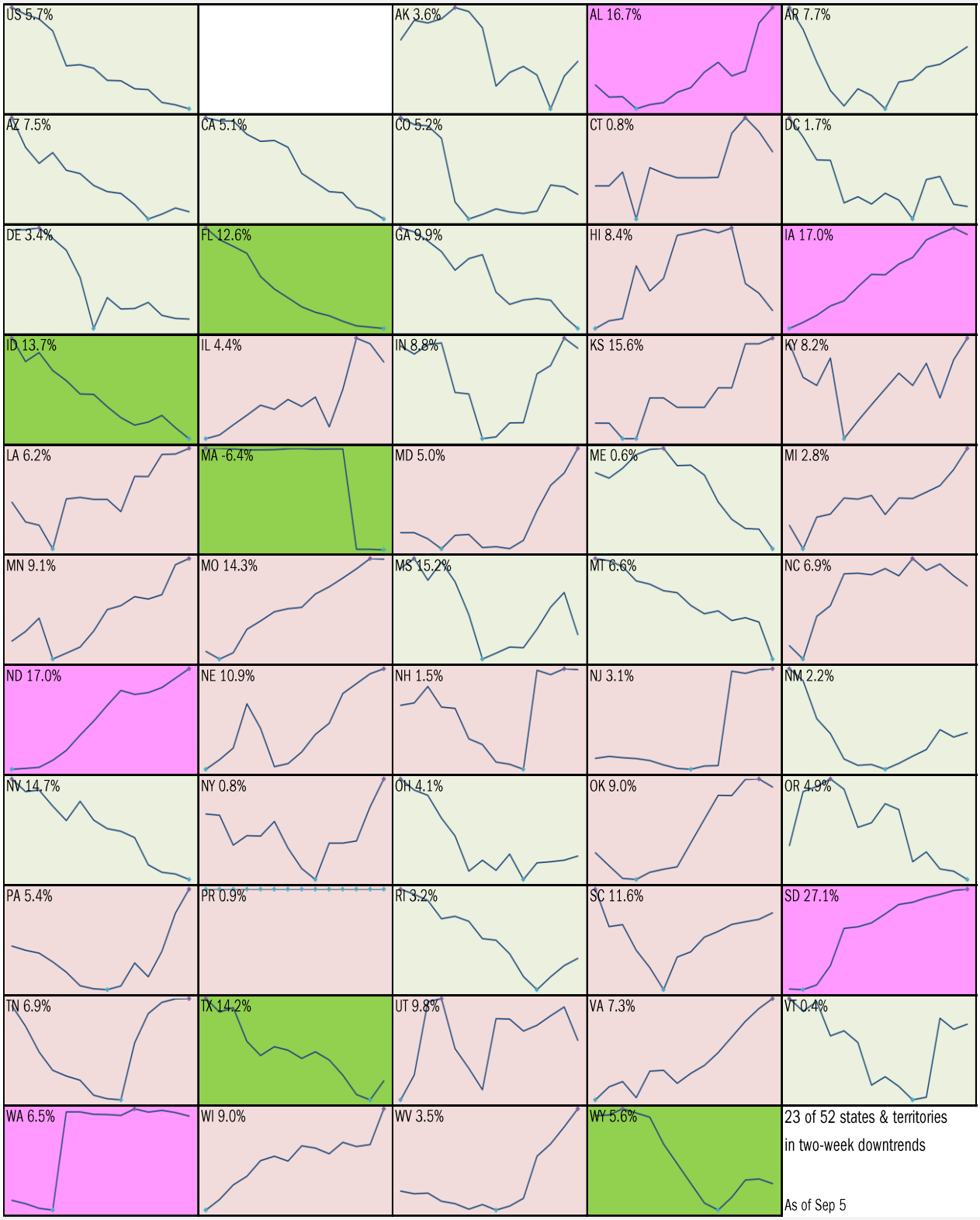


Source: Covid Tracking Project, TrendMacro calculations

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

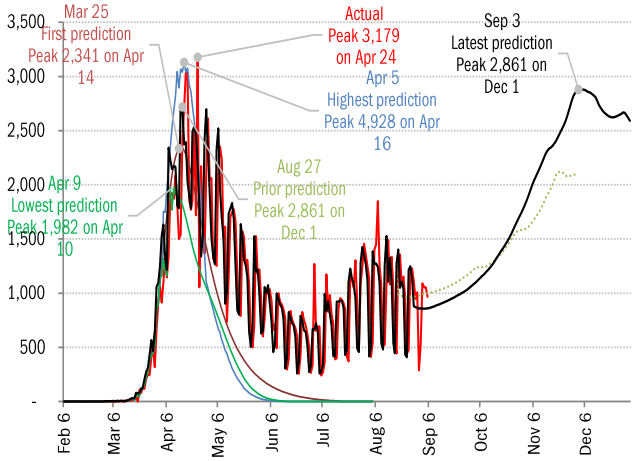


Source: Covid Tracking Project, TrendMacro calculations

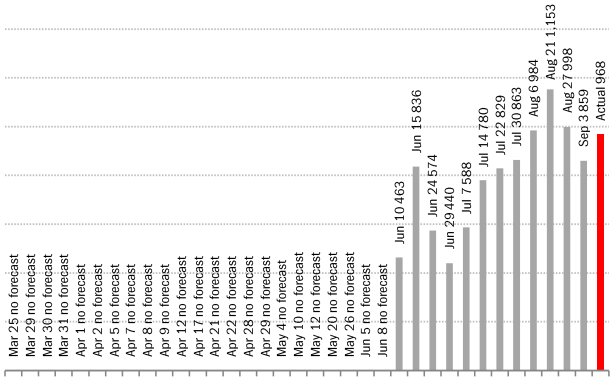
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Sep 5

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

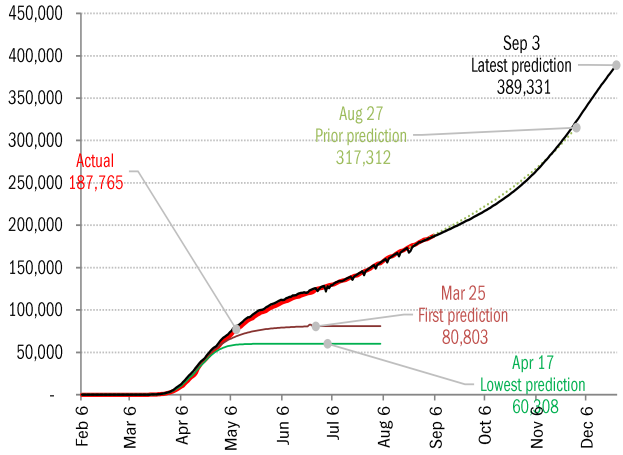


For this day, versus all model mean predictions

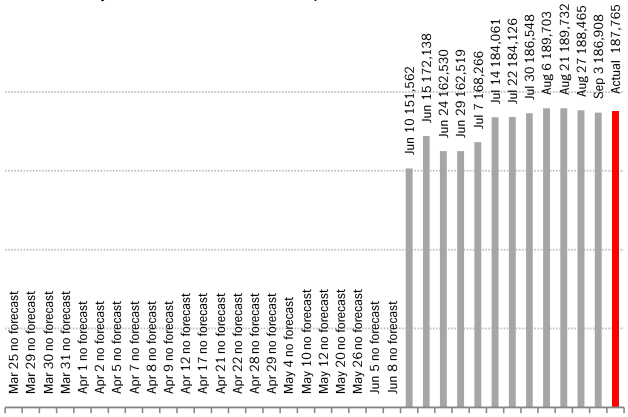


Cumulative fatalities

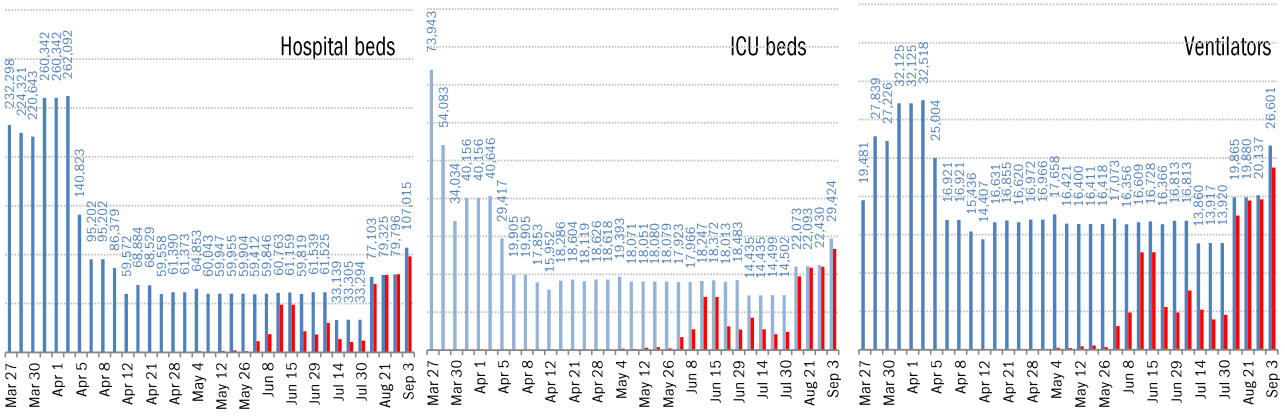
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

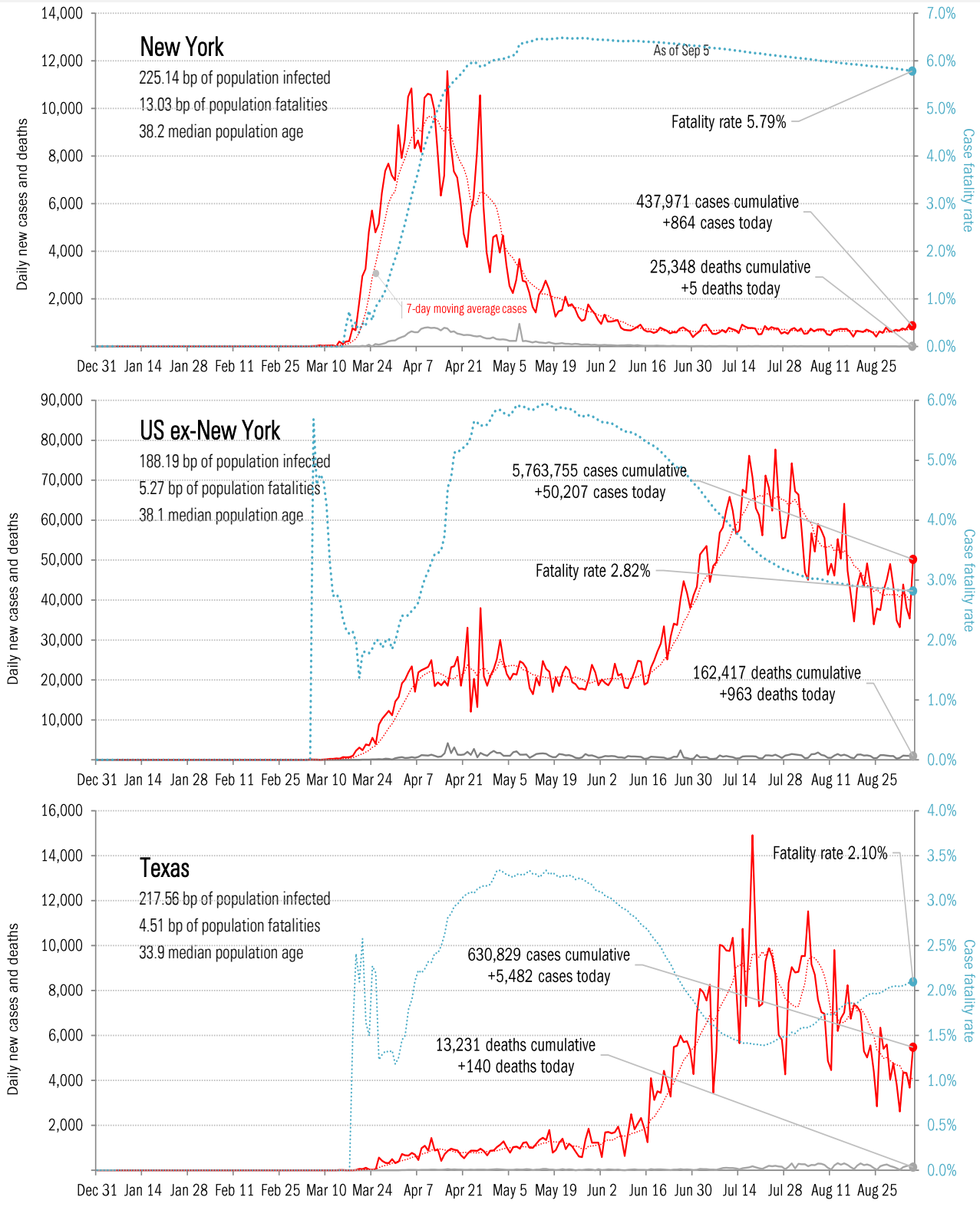


Healthcare system stress, peak and ultimate estimated at each model revision



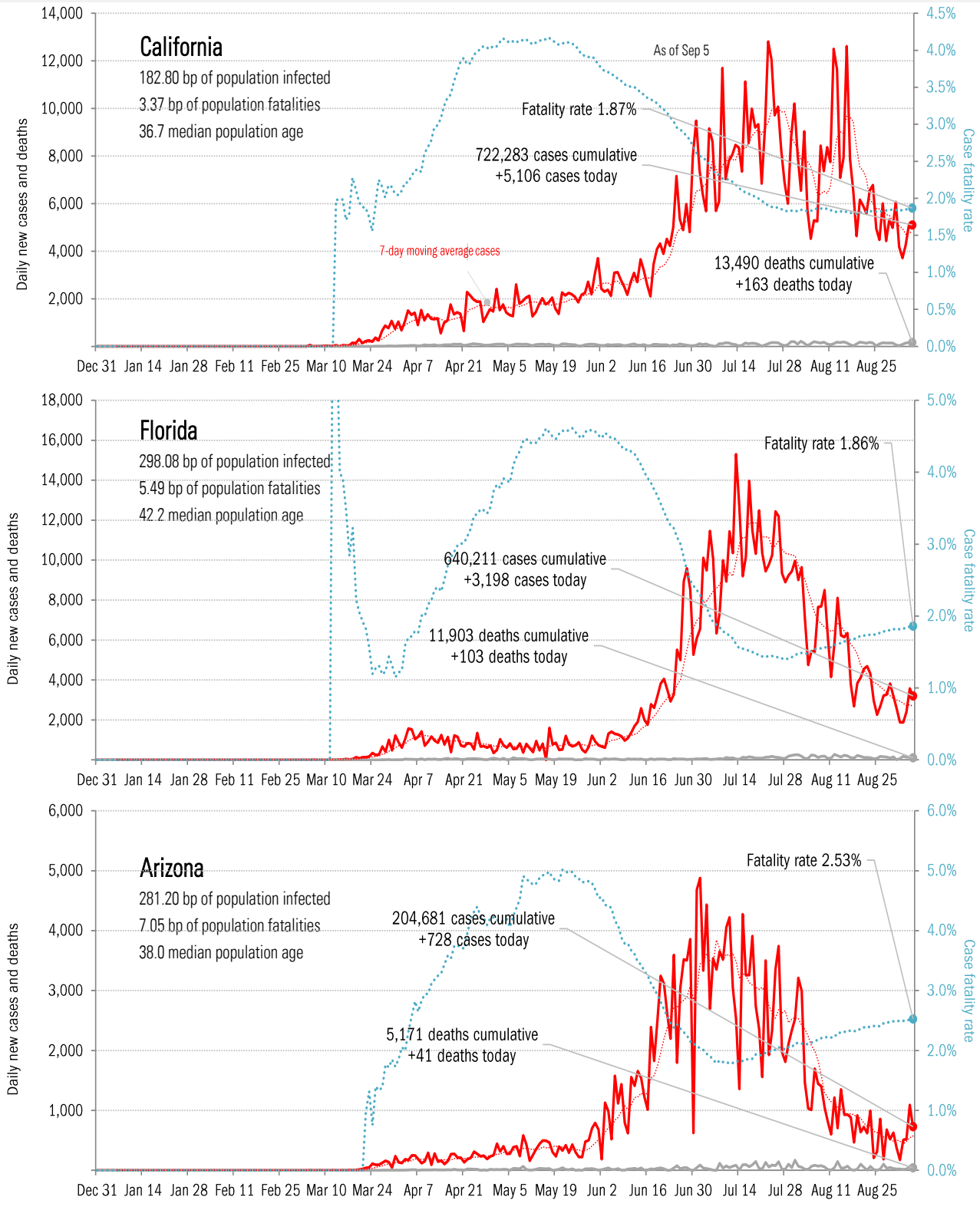
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



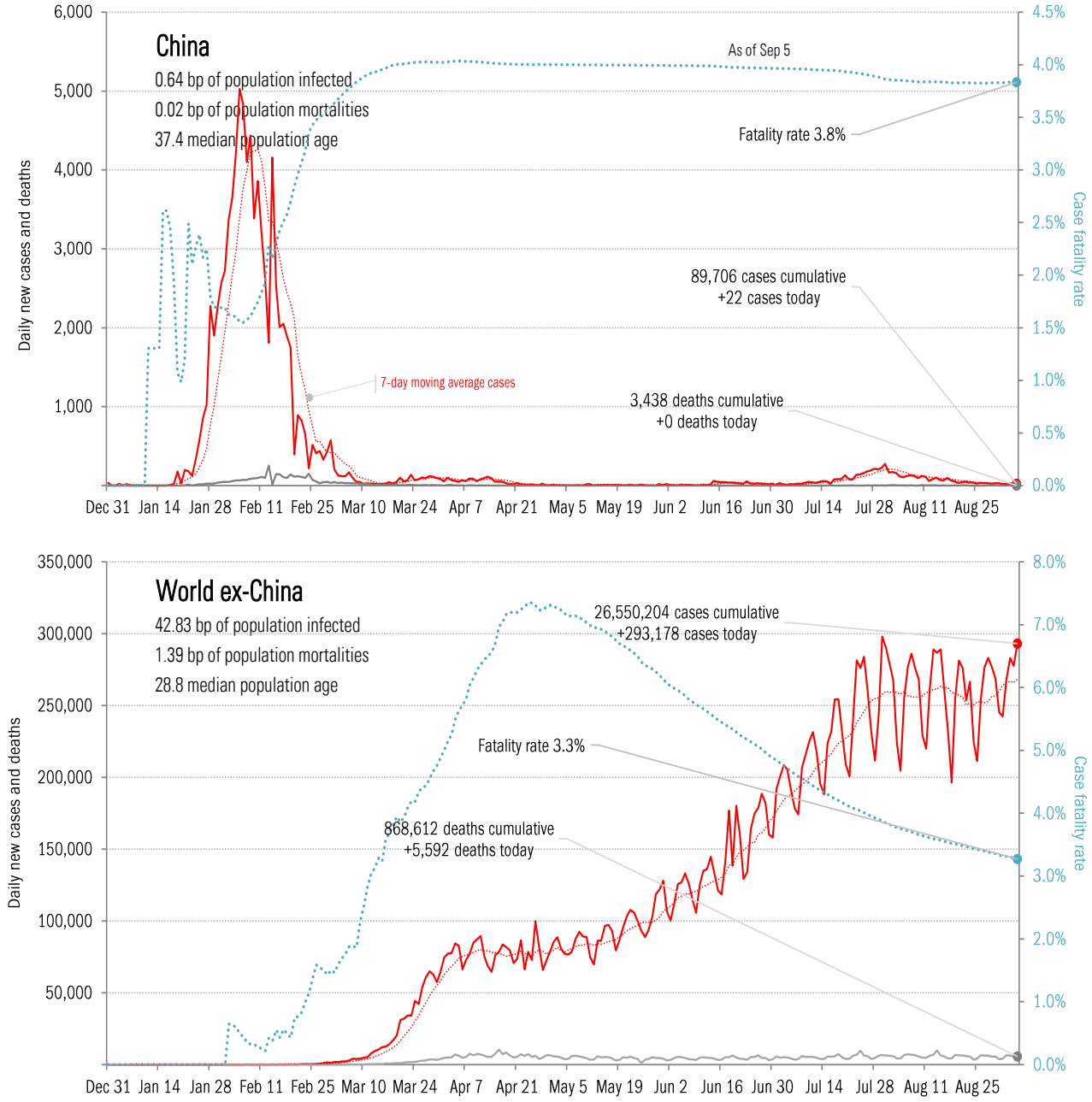
Source: ECDC, TrendMacro calculations

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



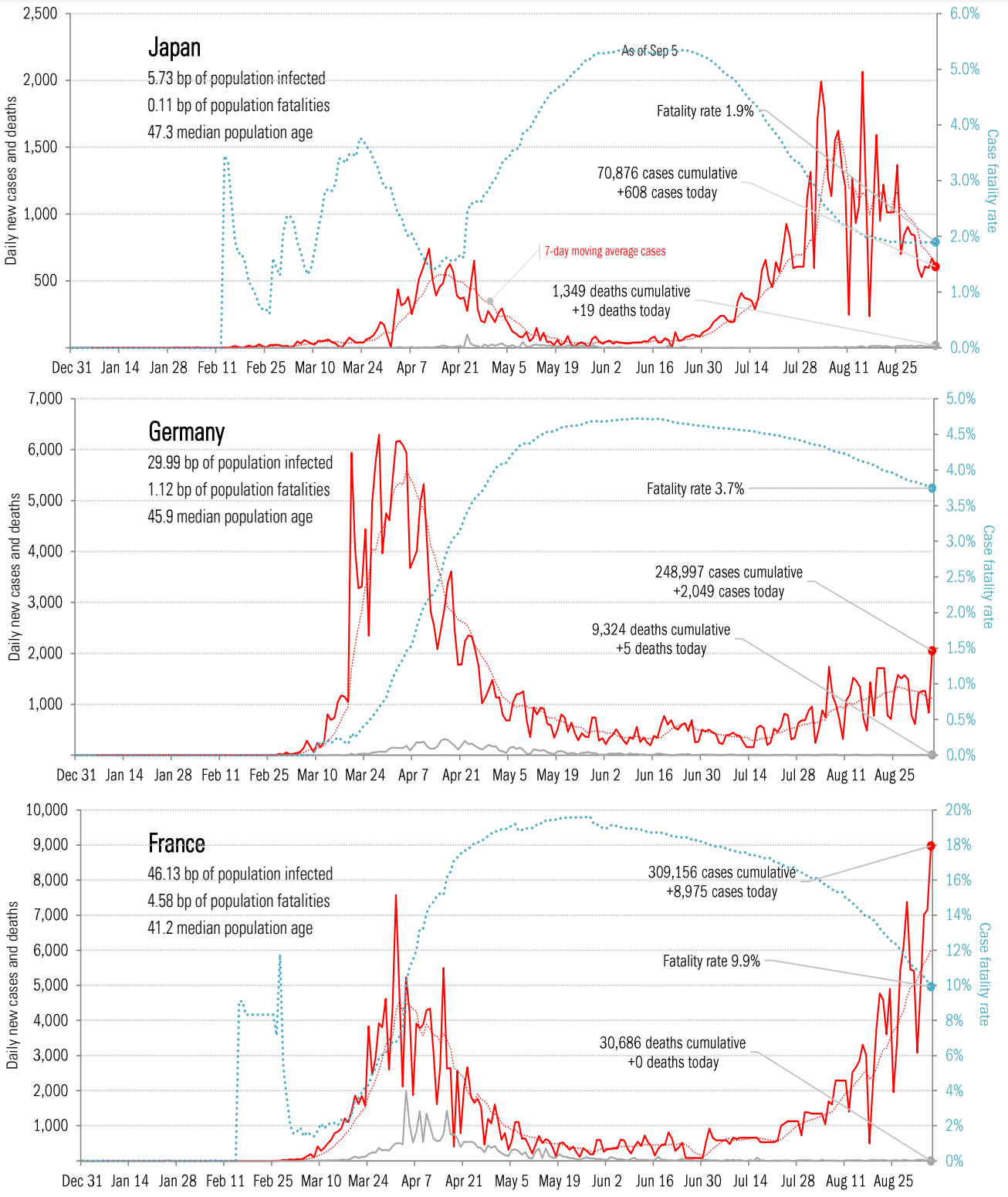
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



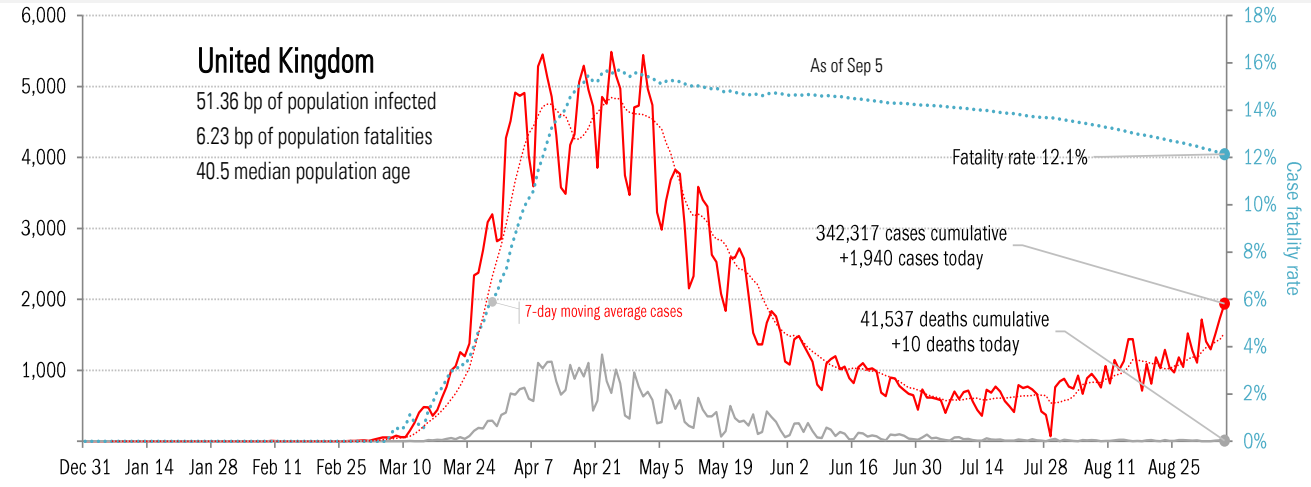
Source: ECDC, TrendMacro calculations

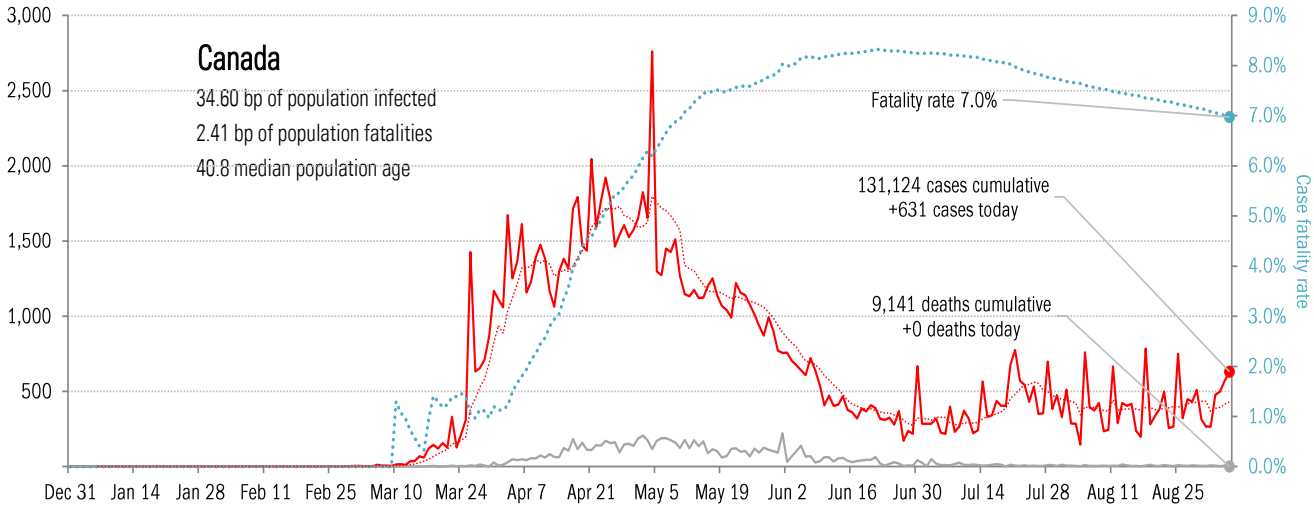
Impact in the largest economies

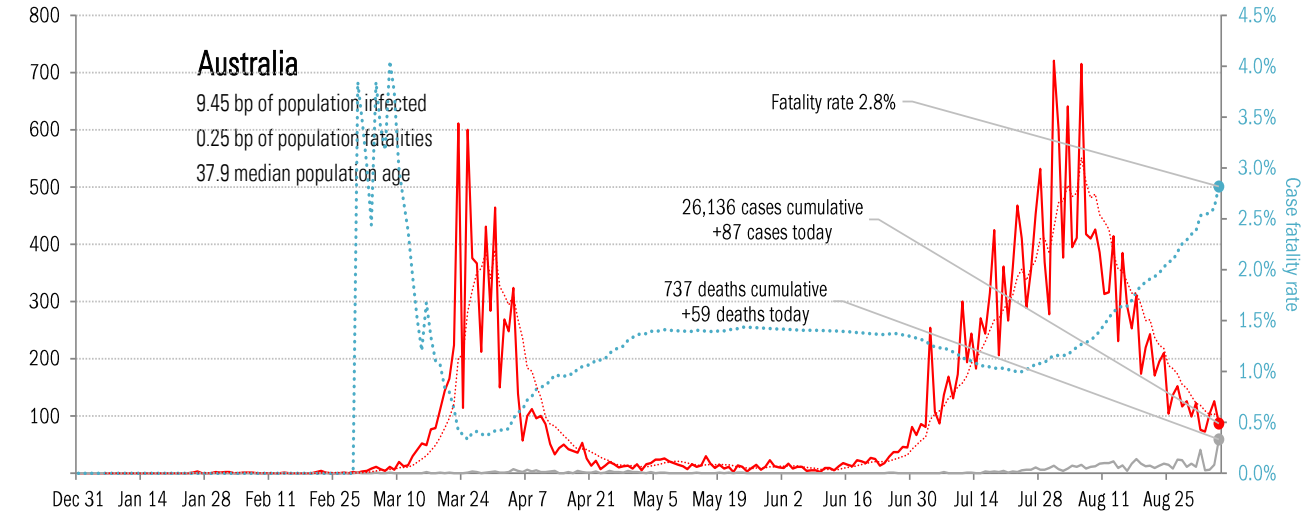


Source: ECDC, TrendMacro calculations

Impact in The Anglosphere

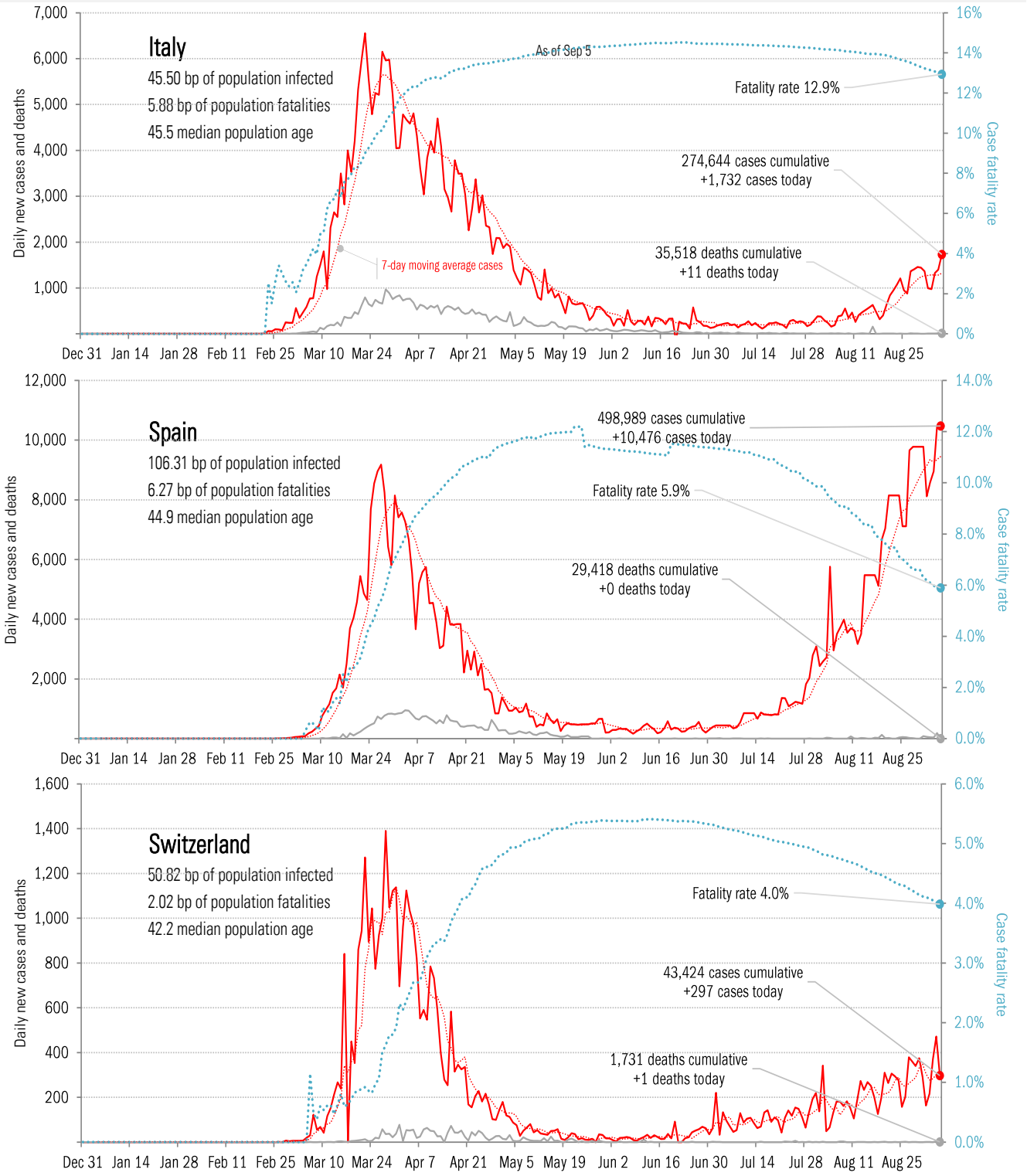






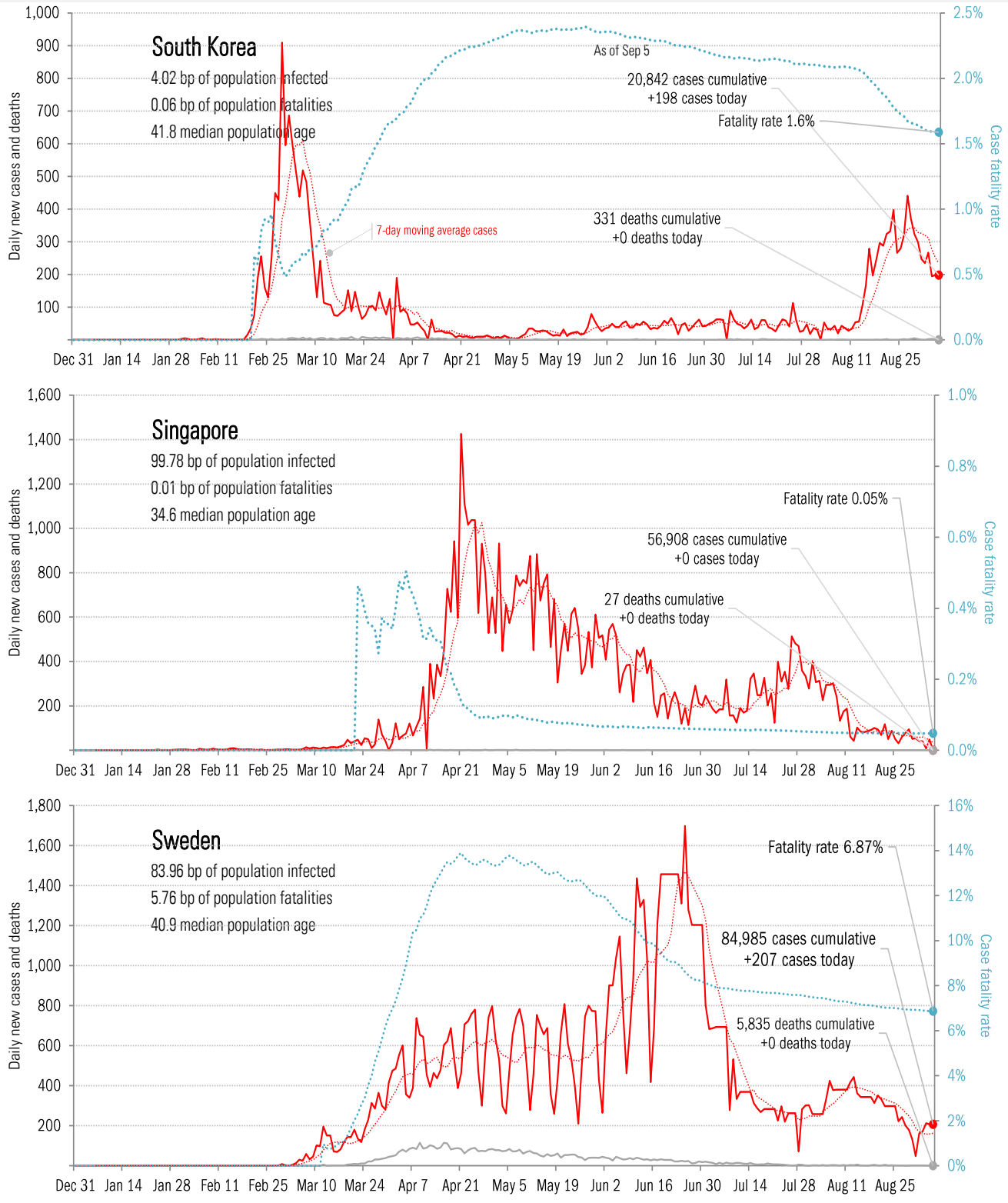
Source: ECDC, TrendMacro calculations

Impact in continental Europe



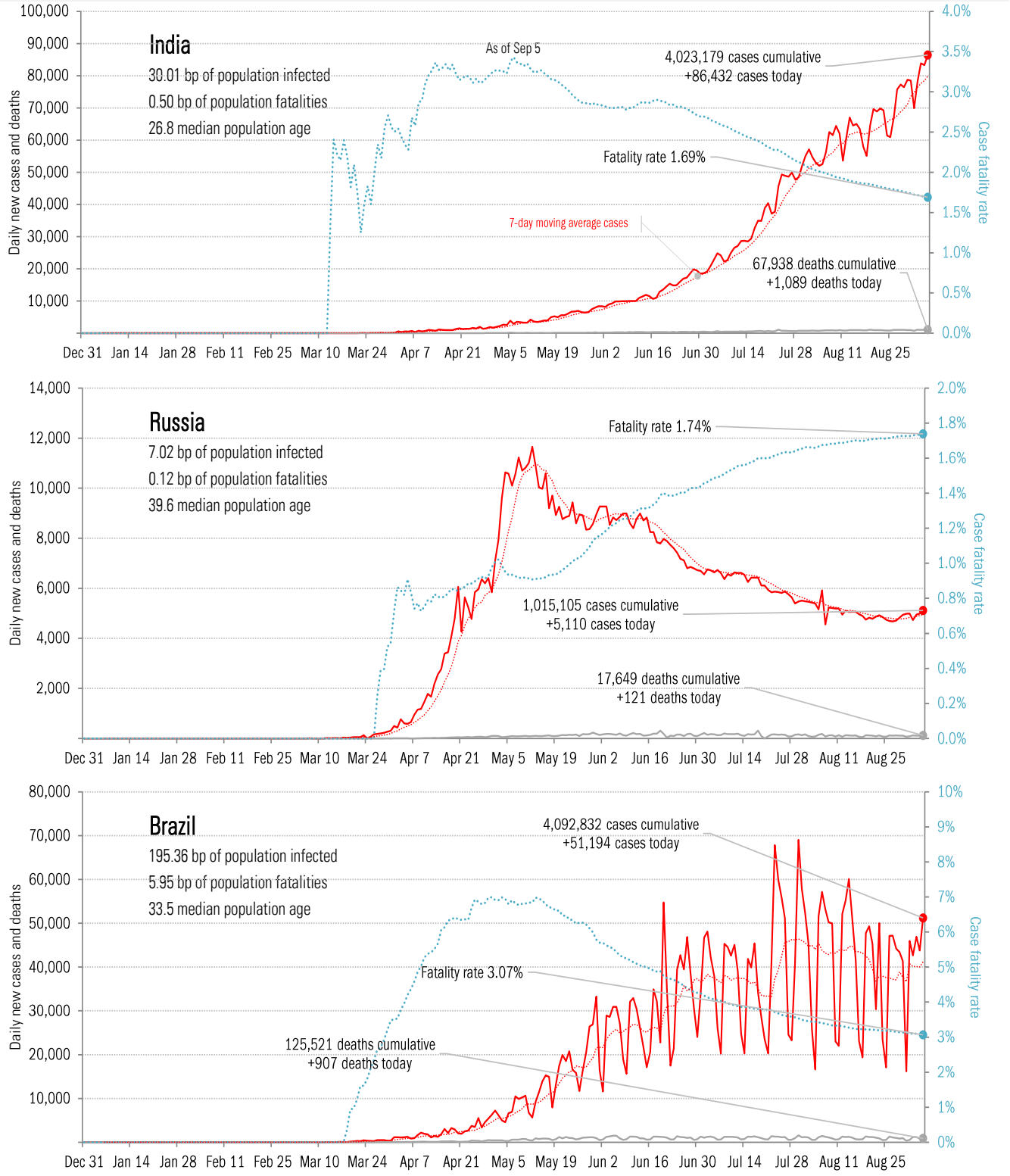
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



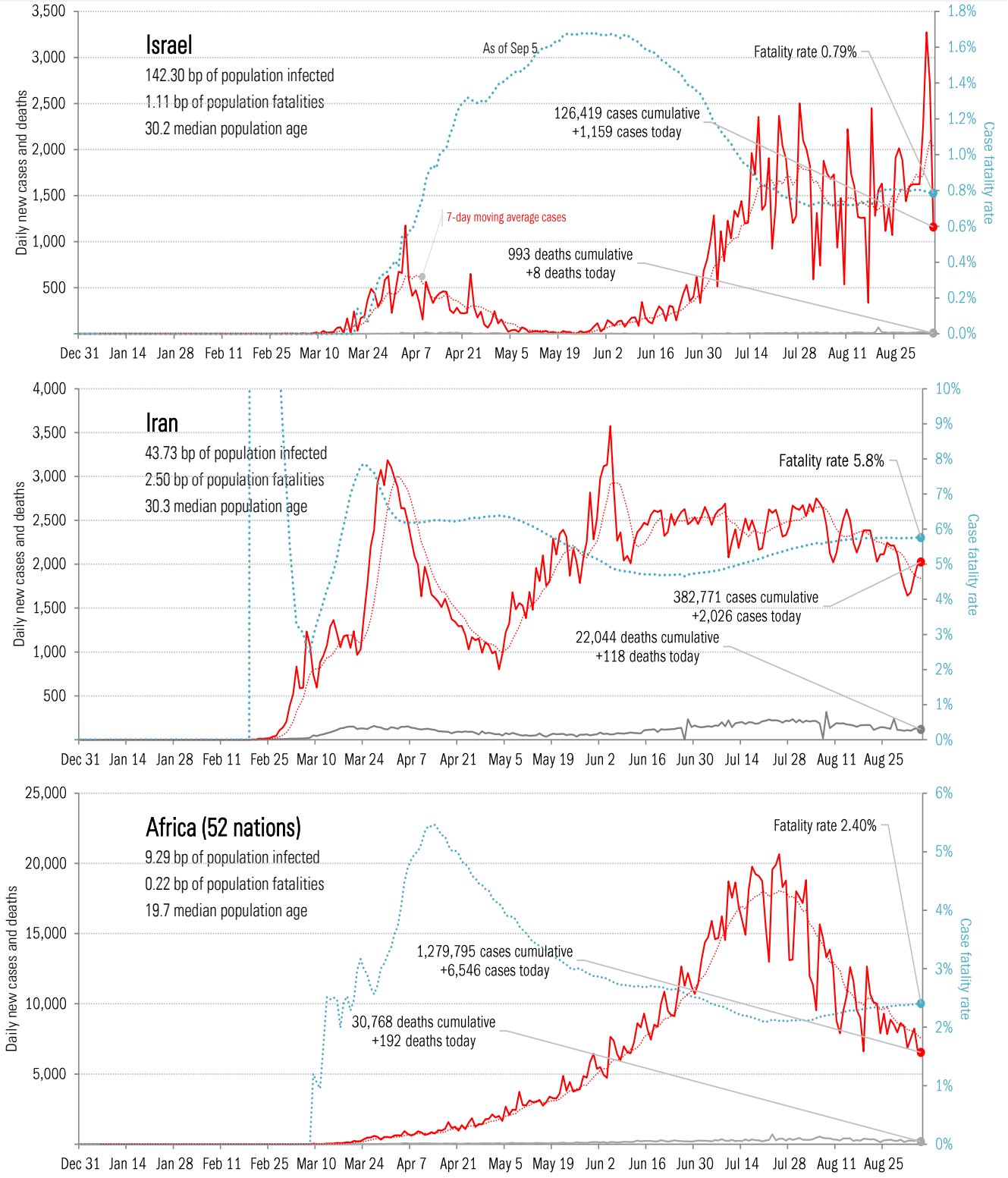
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations