Trend Macrolytics, LLC
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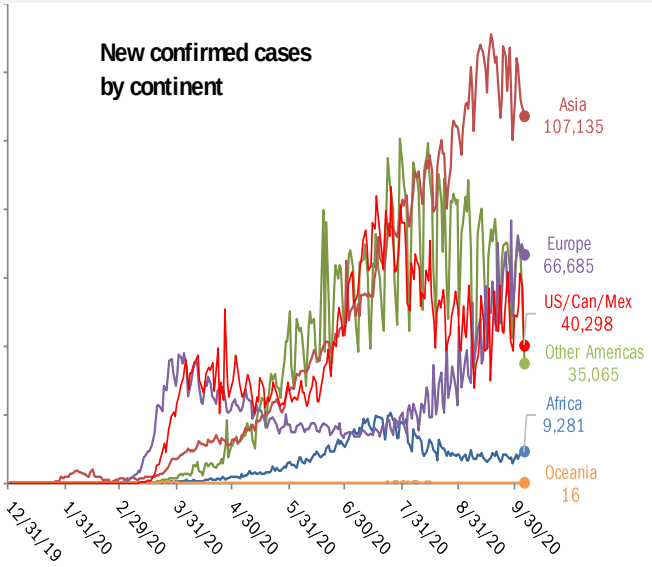
Data Insights: Covid-2019 Monitor

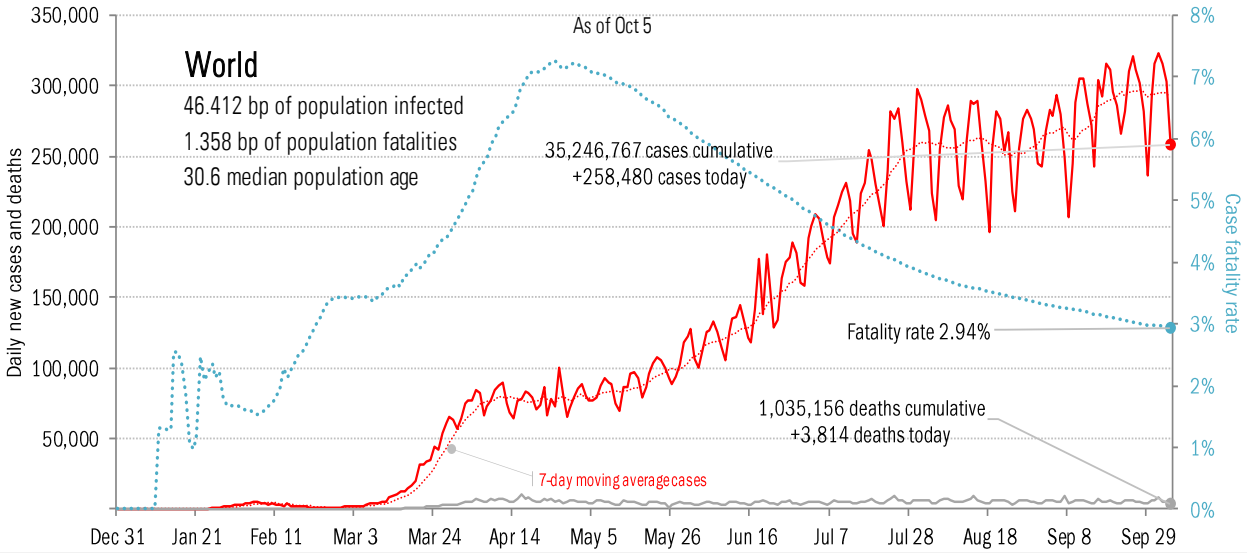
Monday, October 5, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+74,442	India	+903
US	+34,901	US	+400
France	+12,545	Brazil	+365
Spain	+11,325	Argentina	+223
Russia	+10,499	Iran	+211
Brazil	+8,456	Mexico	+208
Argentina	+7,668	Colombia	+156
UK	+6,968	Russia	+107
Colombia	+6,905	Philippines	+98
Ukraine	+4,230	Indonesia	+96
	+177,939		+2,767
World	+258,480	World	+3,814
Top ten	69%	Top ten	73%





Source: ECDC, TrendMacro calculations

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The US scorecard

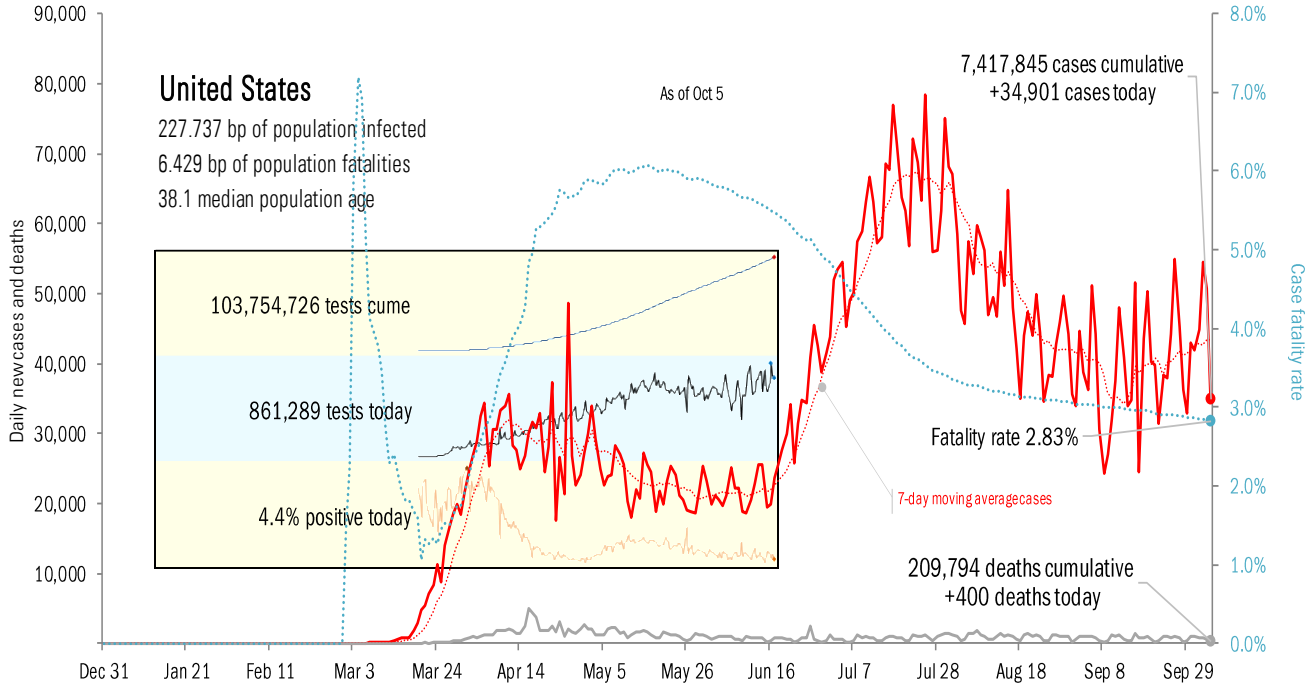
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+4,293	CA	+46	IN	+80	CA	823,729	NY	25,519	NY	89,995
TX	+2,884	FL	+42	FL	+64	TX	765,894	NJ	16,136	FL	45,215
PA	+2,251	TX	+33	WI	+58	FL	716,459	CA	16,120	GA	28,958
WI	+1,926	LA	+32	NJ	+49	NY	464,582	TX	16,025	NJ	23,560
FL	+1,868	GA	+28	SC	+43	GA	322,925	FL	14,845	AZ	22,294
TN	+1,615	AR	+18	MN	+41	IL	304,280	MA	9,510	VA	18,725
IL	+1,453	IL	+17	MD	+35	AZ	220,754	IL	9,040	AL	17,420
UT	+1,393	PA	+17	GA	+34	NC	217,496	PA	8,216	OH	15,767
MO	+1,326	TN	+17	OH	+32	NJ	208,202	GA	7,162	MD	15,705
NY	+1,222	NY	+14	WA	+25	TN	201,210	MI	7,124	IN	13,148
	+20,231		+264		+461		4,245,531		129,697		290,787
All states	+38,267	All states	+361	All states	+642	All states	7,383,499	All states	201,712	All states	413,531
Top ten	53%	Top ten	73%	Top ten	72%	Top ten	58%	Top ten	64%	Top ten	70%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
TX	-4,122	TX	-64	GA	-99	TX	+2,839
NC	-1,592	CA	-42	FL	-96	PA	+1,846
MI	-1,275	FL	-31	VA	-65	WI	+1,631
WI	-1,128	TN	-28	CO	-61	MN	+1,304
SC	-1,015	SC	-22	MD	-61	SC	+1,022



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

Recommended reading

[After Biden's Exposure to Trump, His Team Is Cagey on Health Questions]
Thomas Kaplan, Apoorva Mandavilli and Katie Glueck
New York Times
October 4, 2020

[Editor Of Soros Outlet Tweets: "I Hope Trump Dies From ANYTHING"]
Natalie Winters
The National Pulse
October 2, 2020

[Trump Faking Covid? Michael Moore, Other Leftists Peddle New Conspiracy Theory]
Tyler Durden
Zero Hedge
October 2, 2020

[Minnesota newspaper pulls article mocking Trump, First Lady for catching COVID]
Daniel Payne
Just the News
October 3, 2020

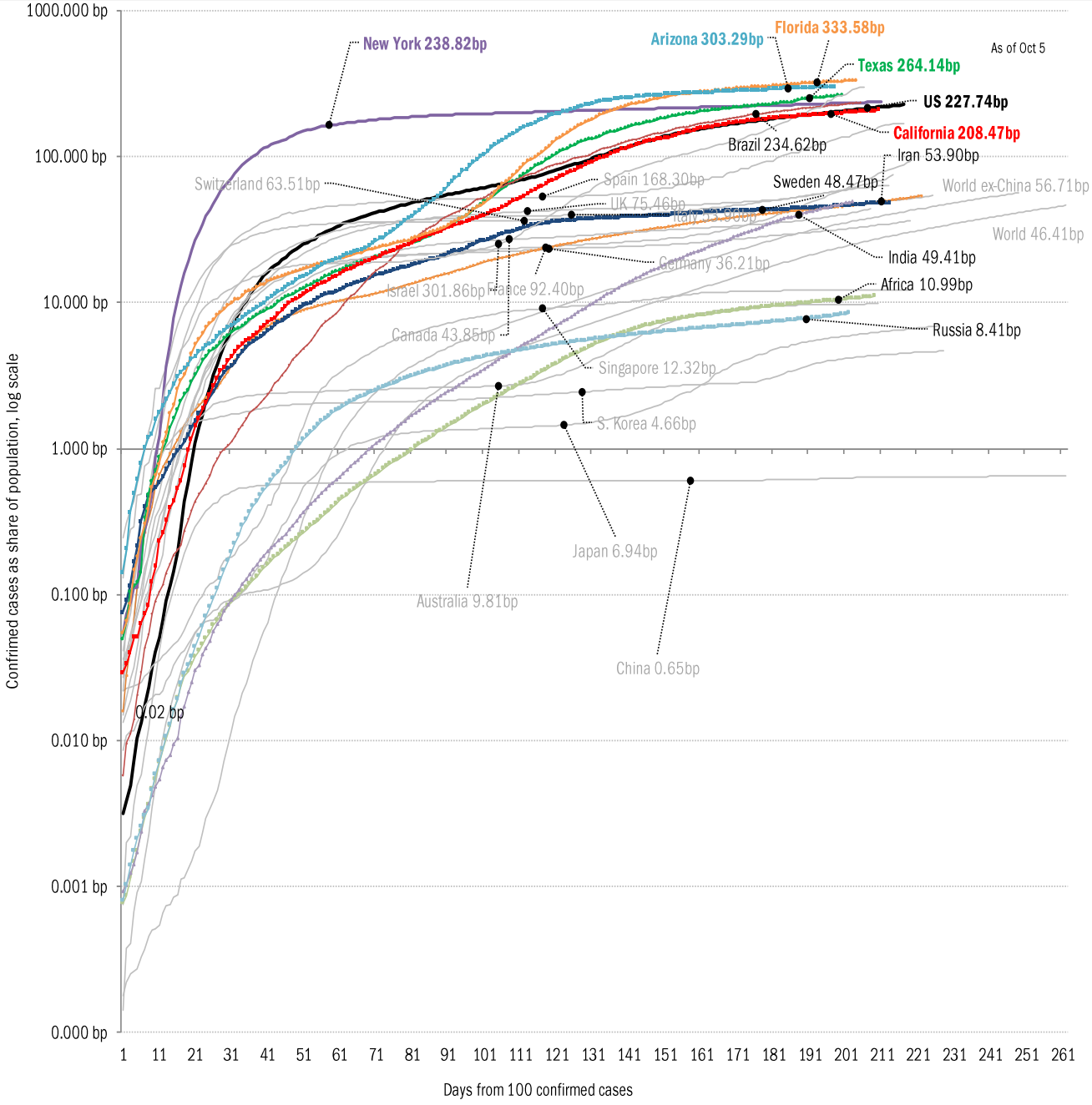
[CNN's Jim Acosta panned for tweeting Trump 'did not stop for questions' en route to Walter Reed Medical Center]
Joseph A. Wulfsohn
Fox News
October 3, 2020

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

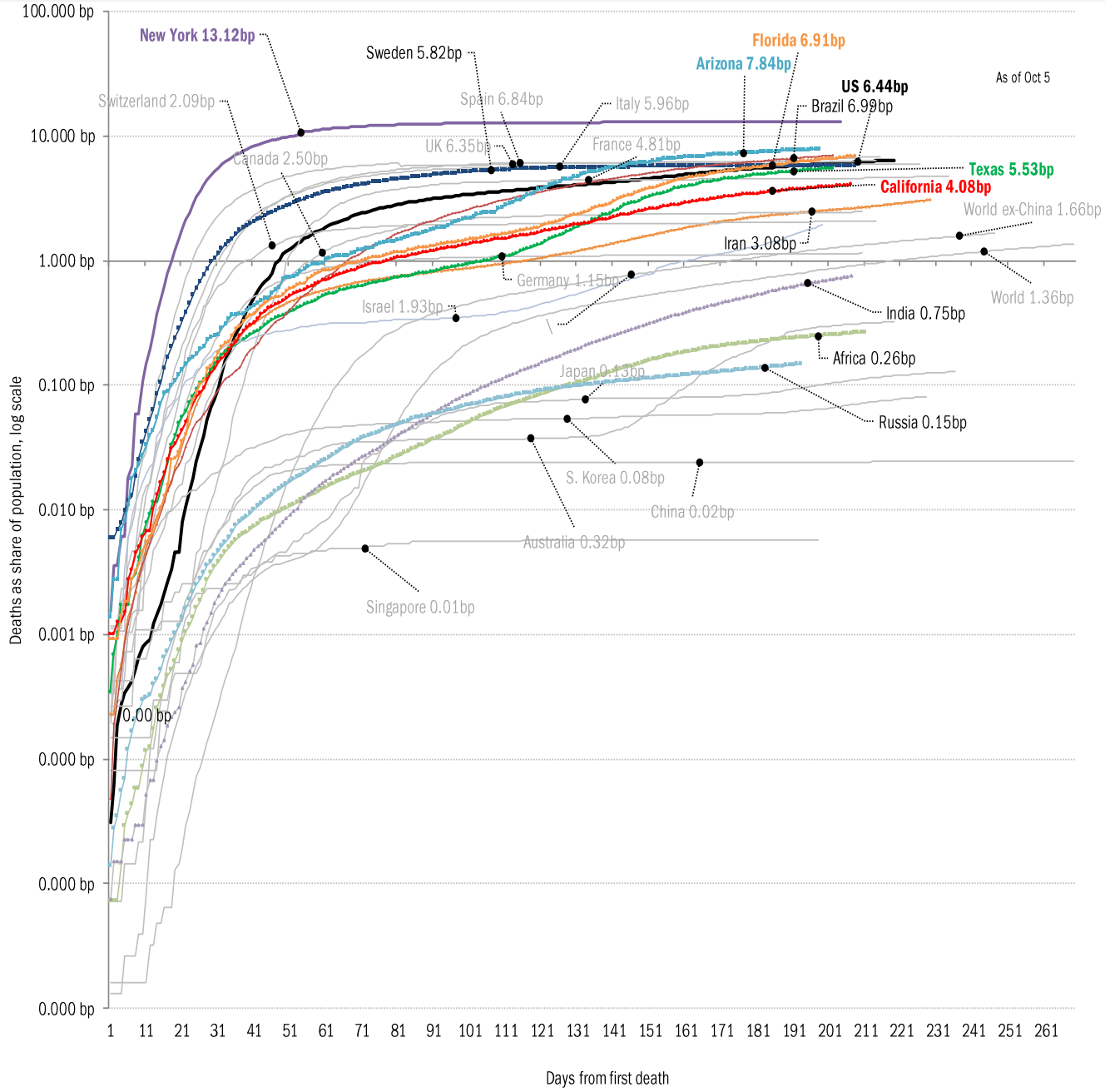
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

Share of deceased population from day of first fatality

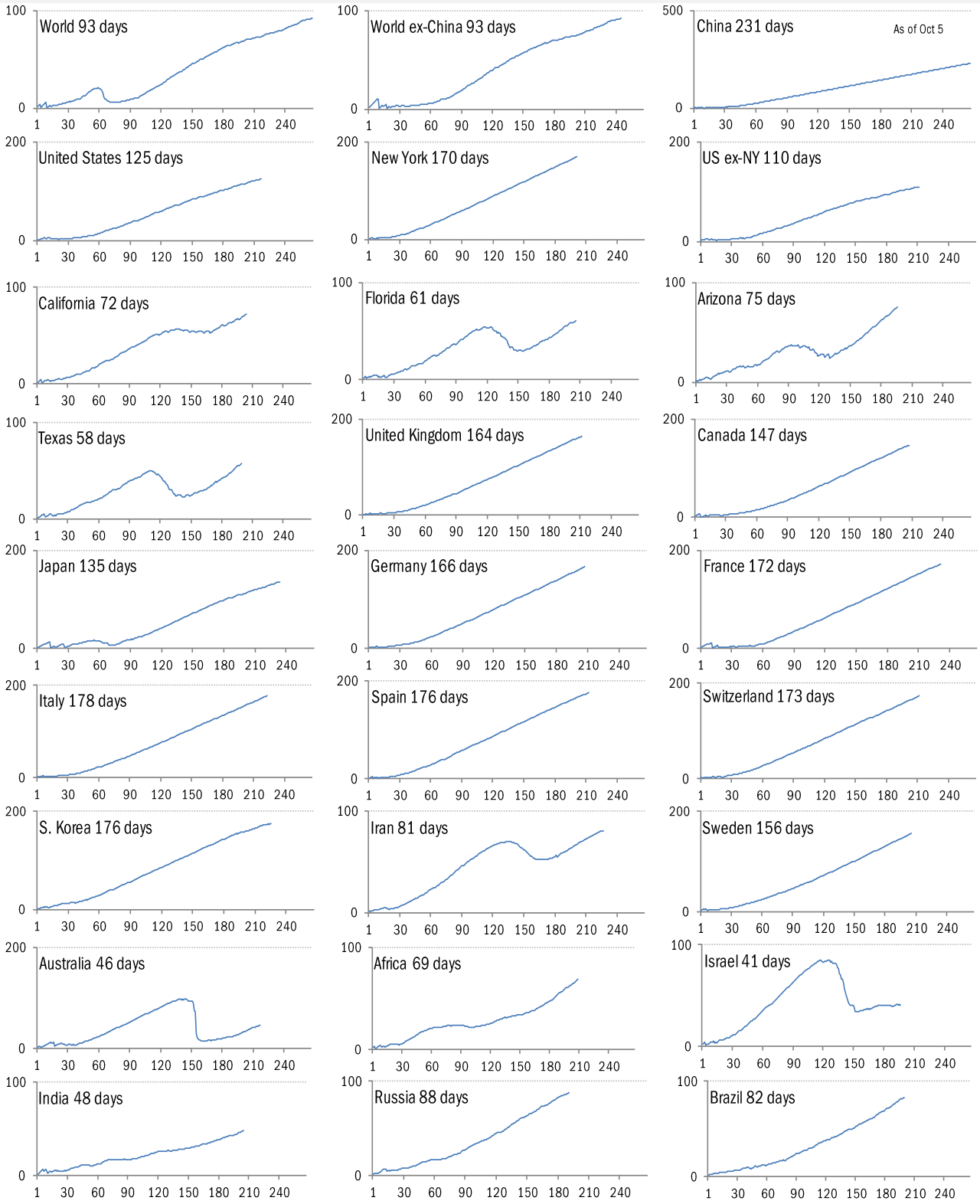


Source: ECDC, TrendMacro calculations

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

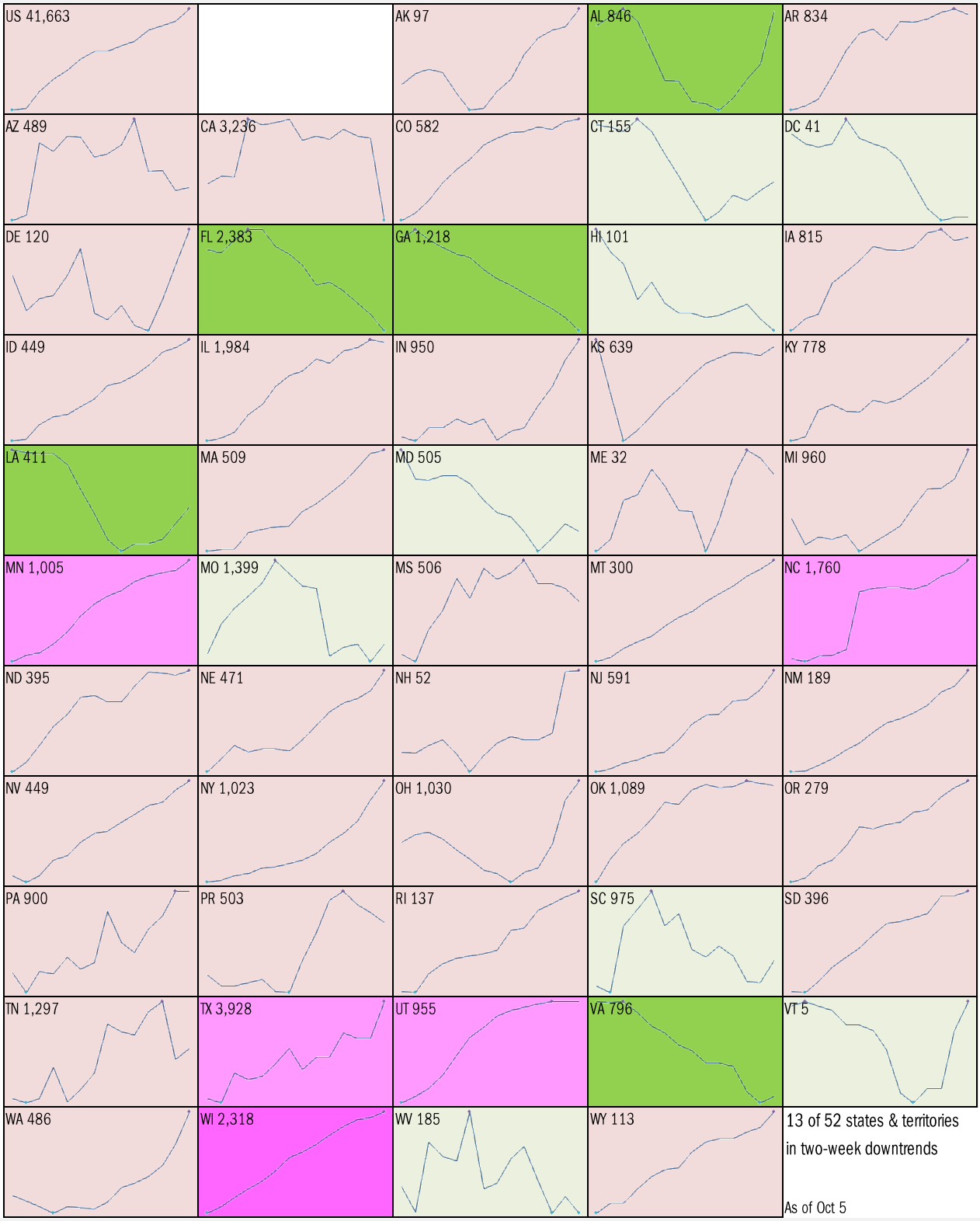


Source: ECDC, TrendMacro calculations

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

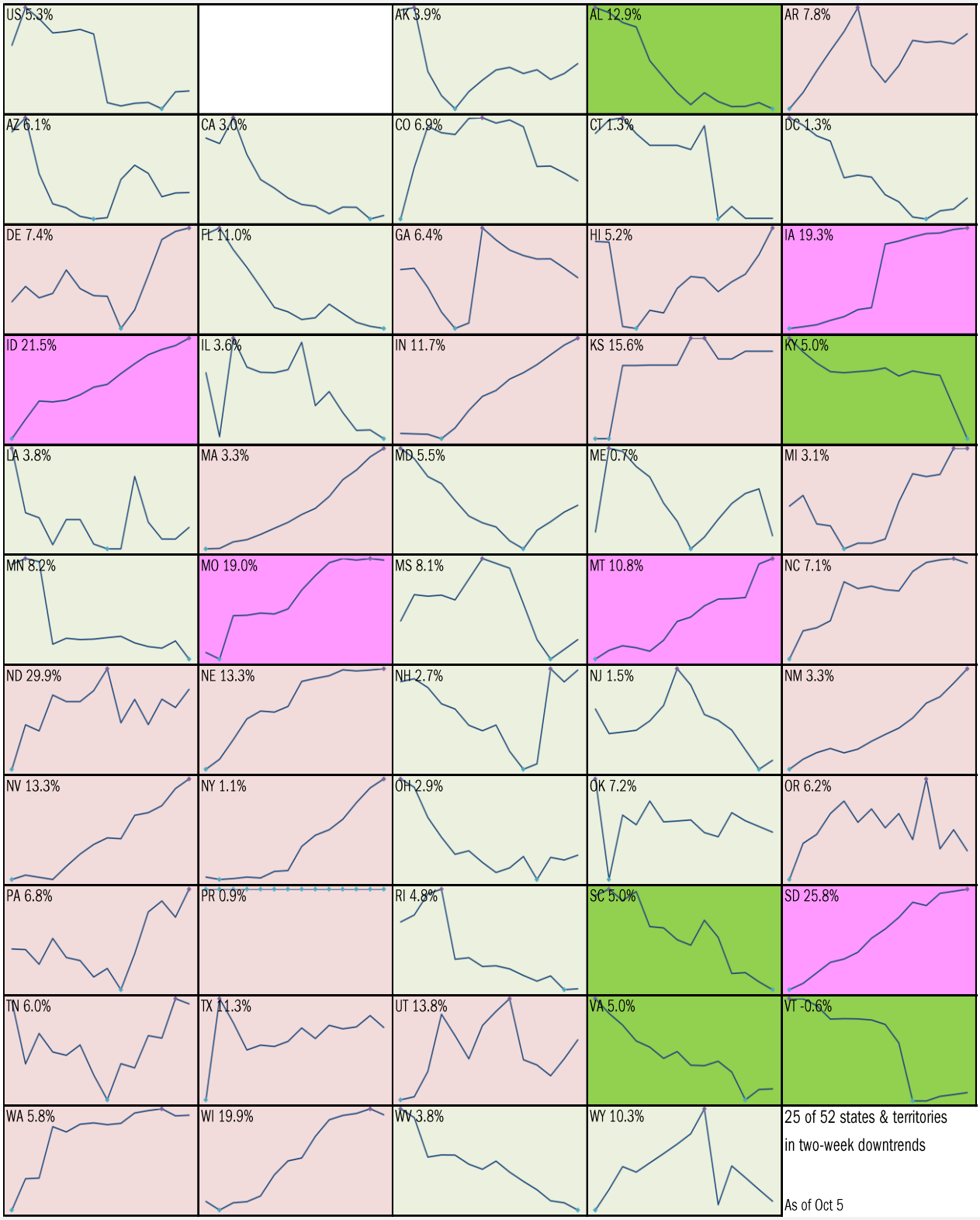


Source: Covid Tracking Project, TrendMacro calculations

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

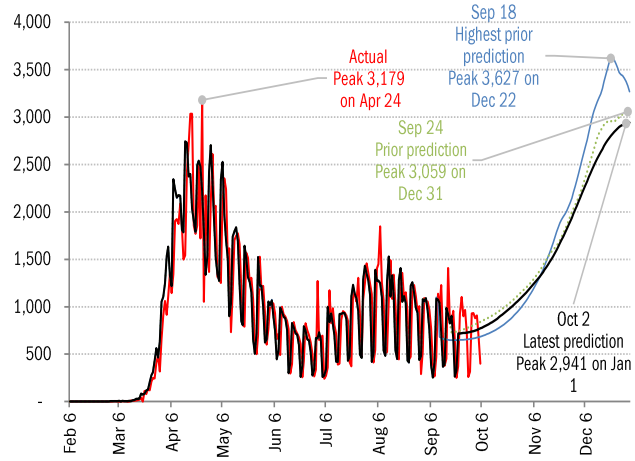


Source: Covid Tracking Project, TrendMacro calculations

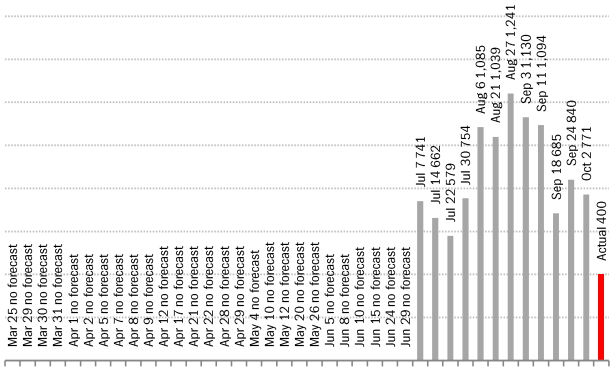
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Oct 5

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

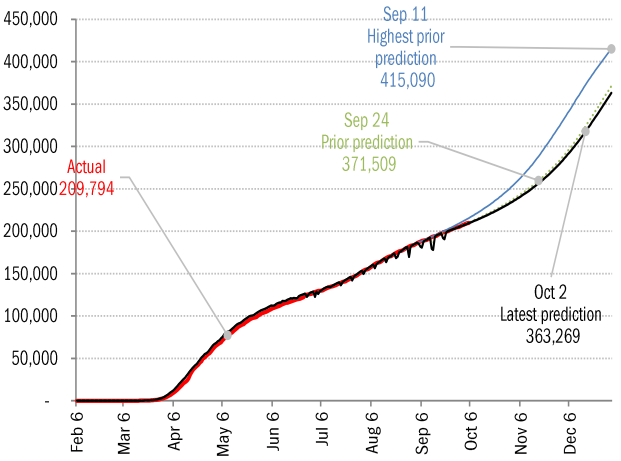


For this day, versus all model mean predictions

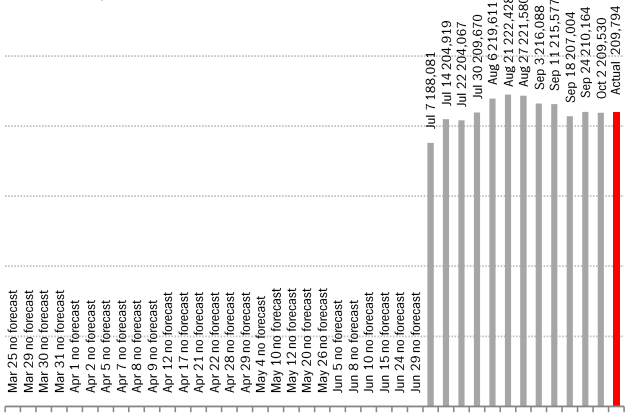


Cumulative fatalities

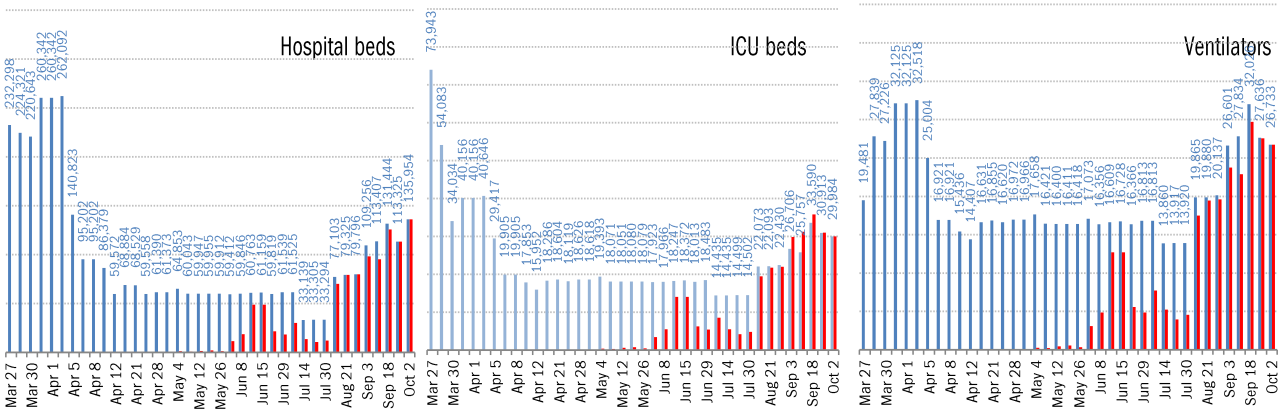
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

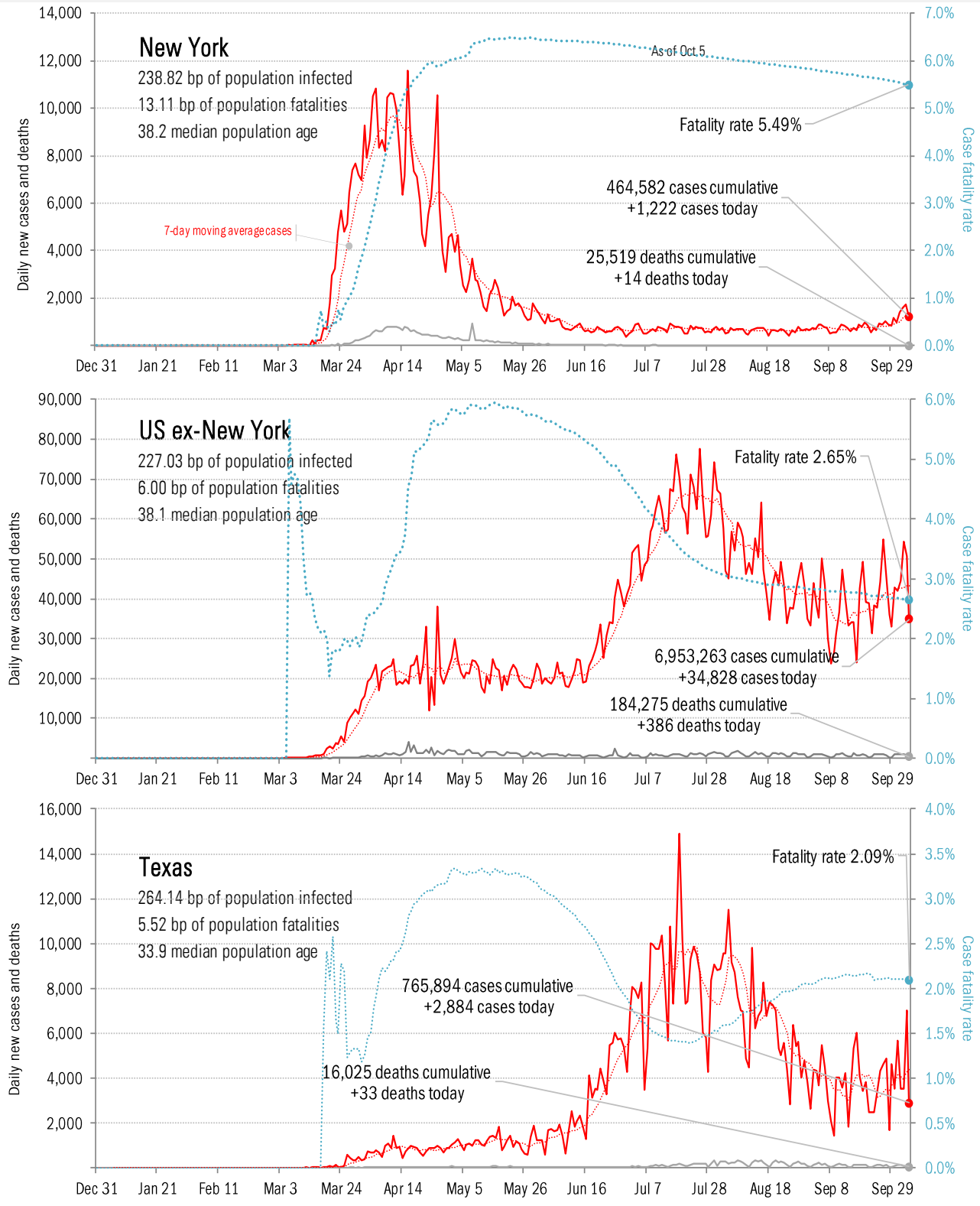


Healthcare system stress, peak and ultimate estimated at each model revision



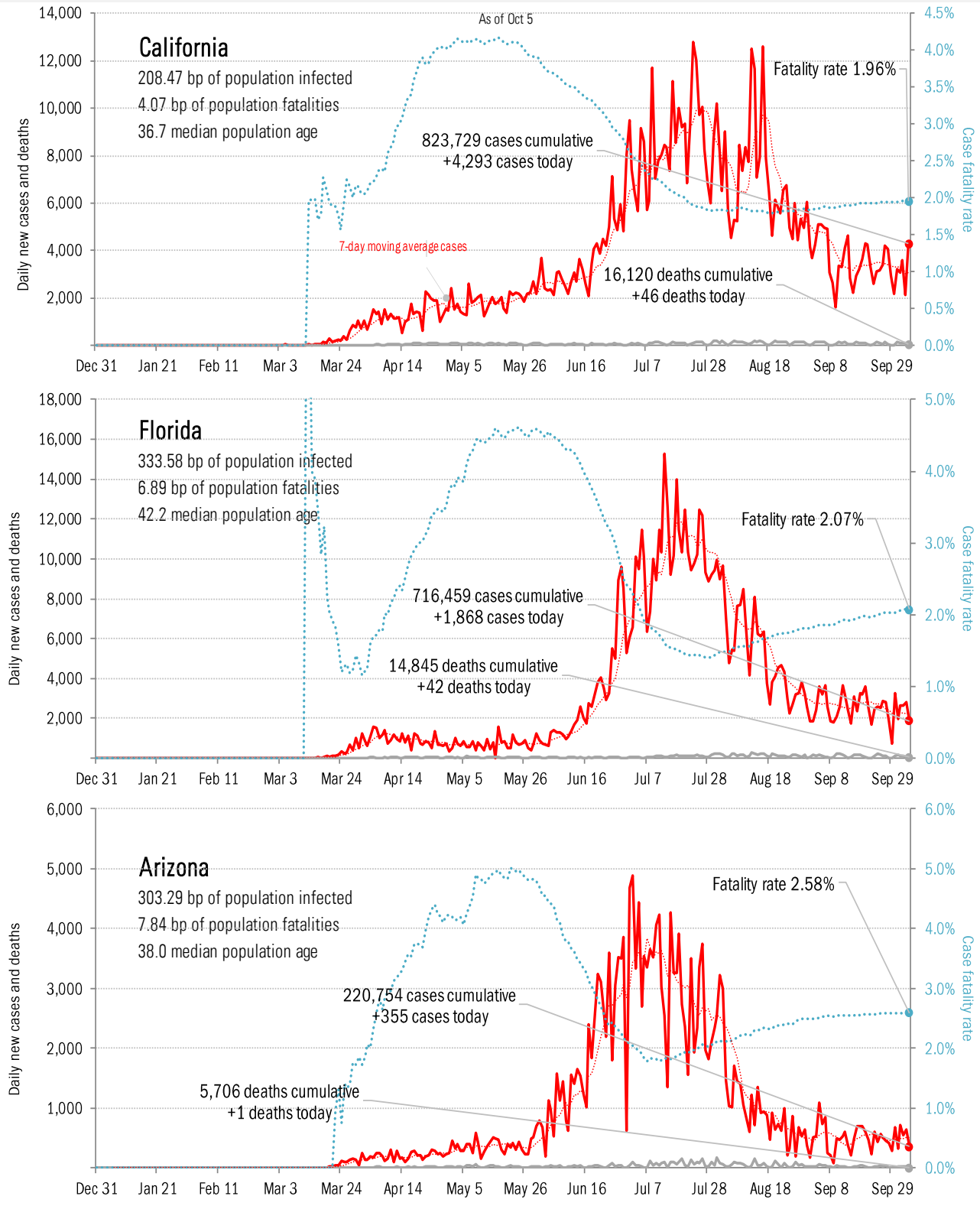
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



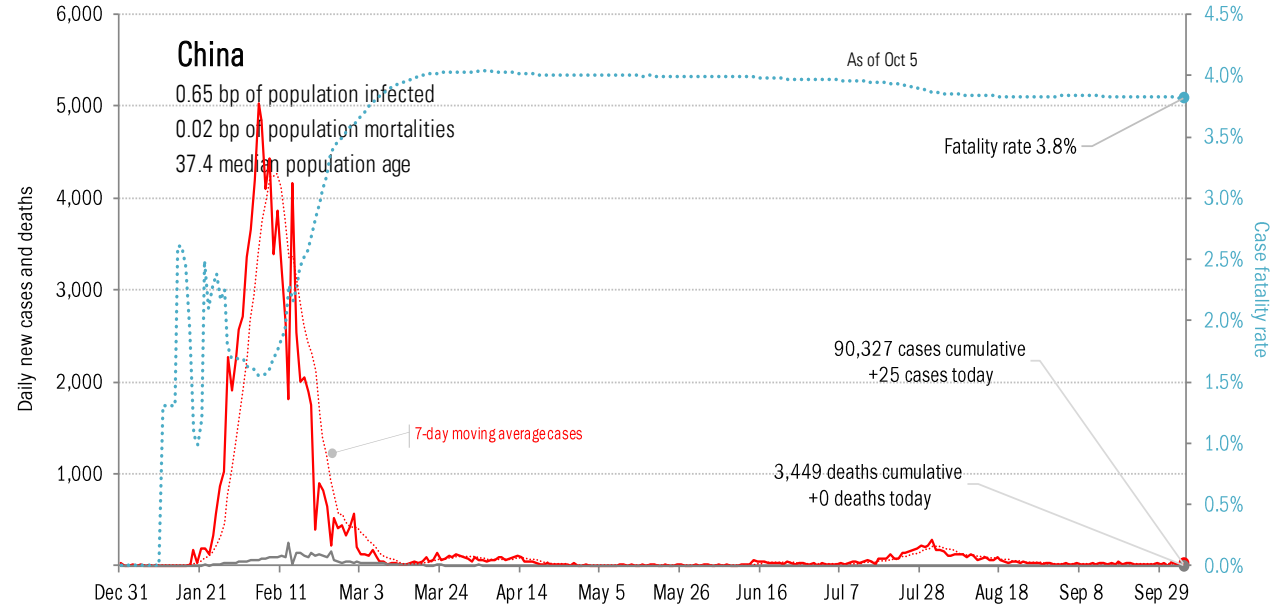
Source: ECDC, TrendMacro calculations

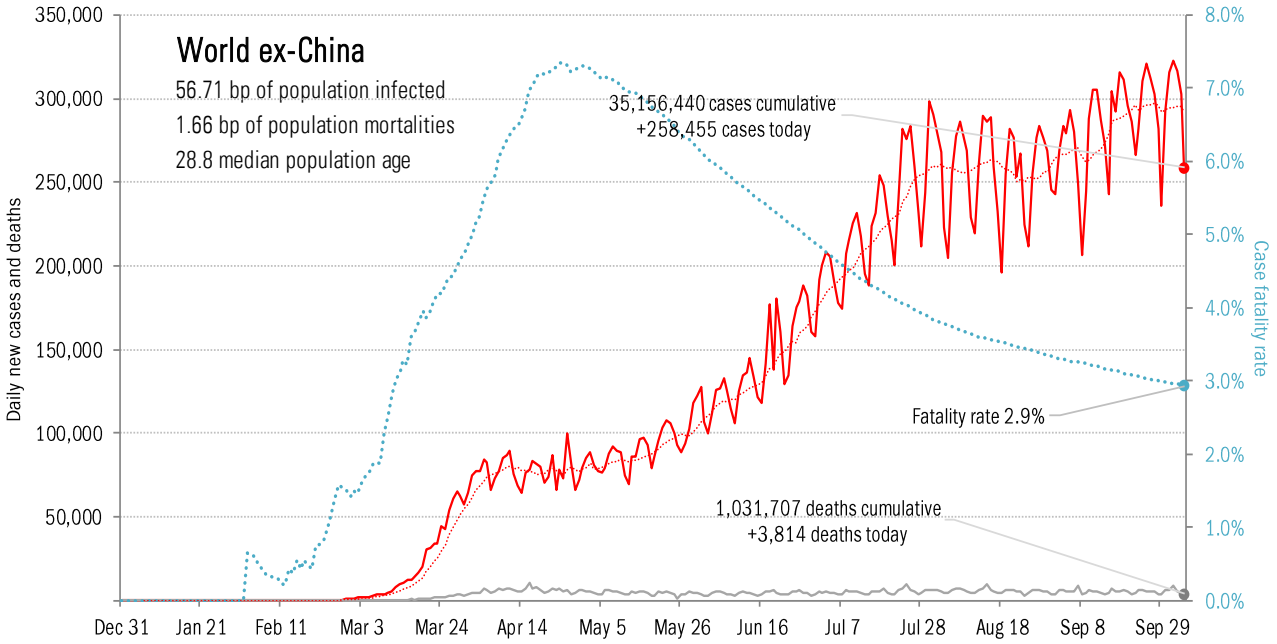
The sun-belt hot-spot states (other than Texas)



Source: ECDC, TrendMacro calculations

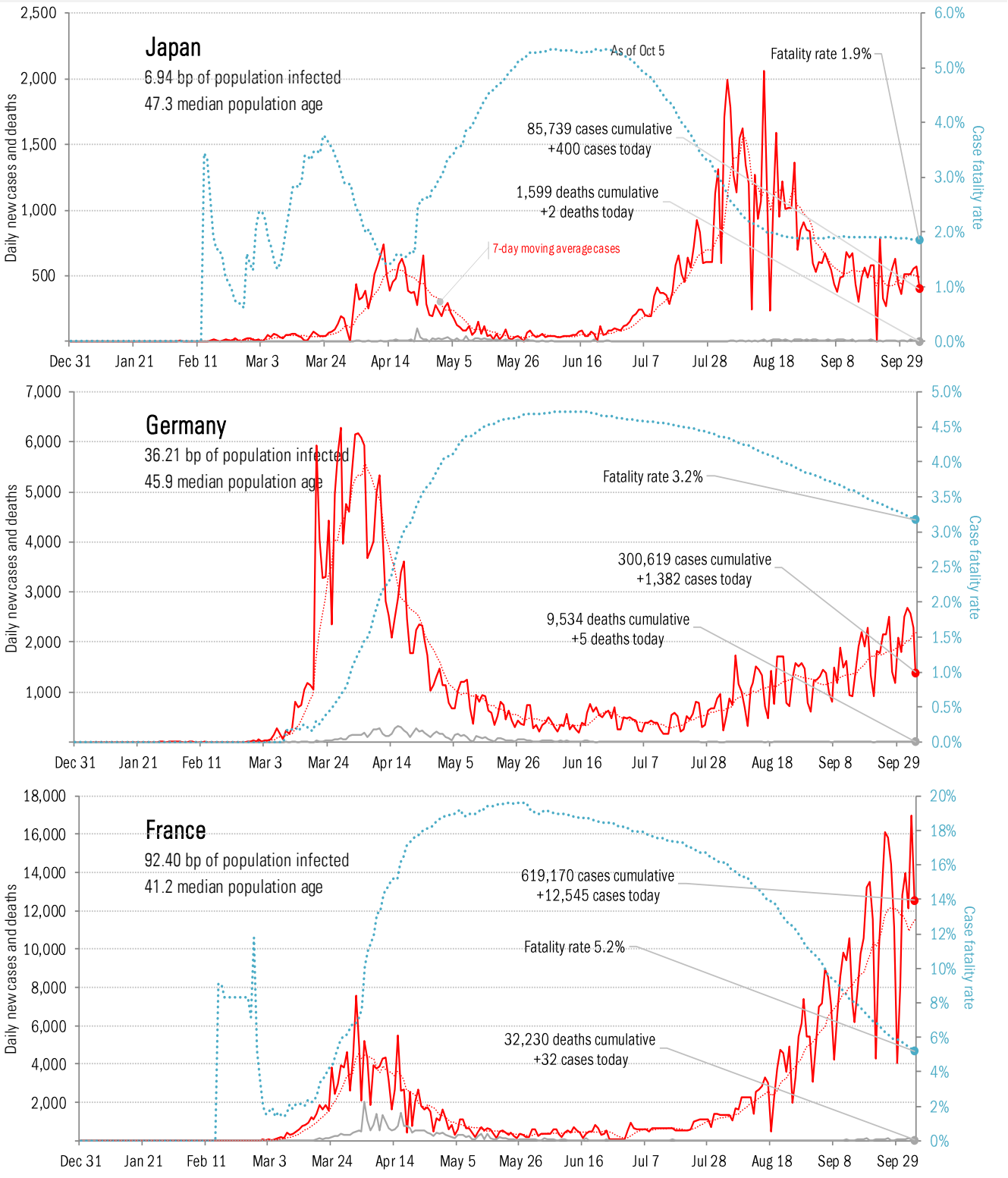
Patient zero… and then everyone else





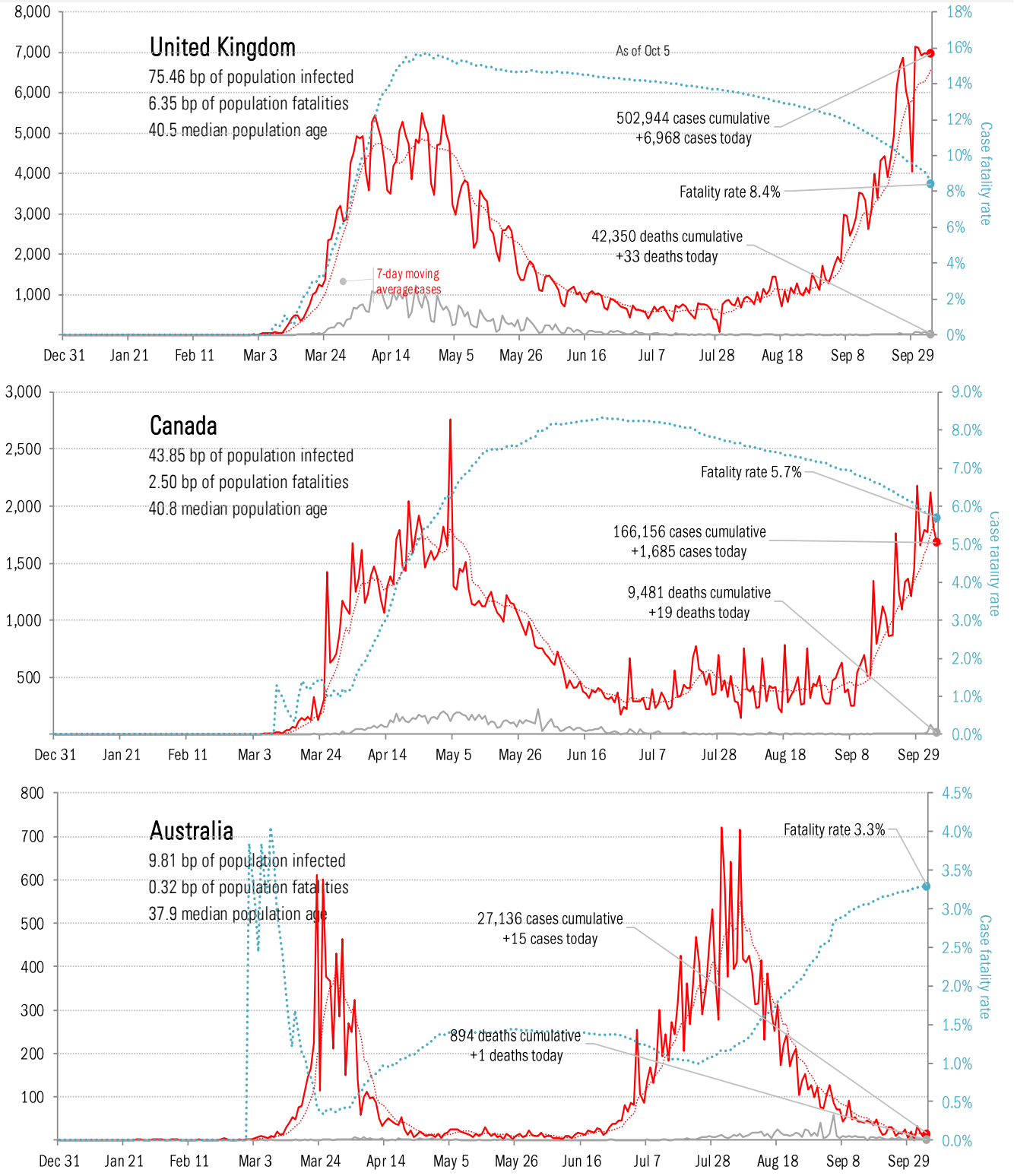
Source: ECDC, TrendMacro calculations

Impact in the largest economies



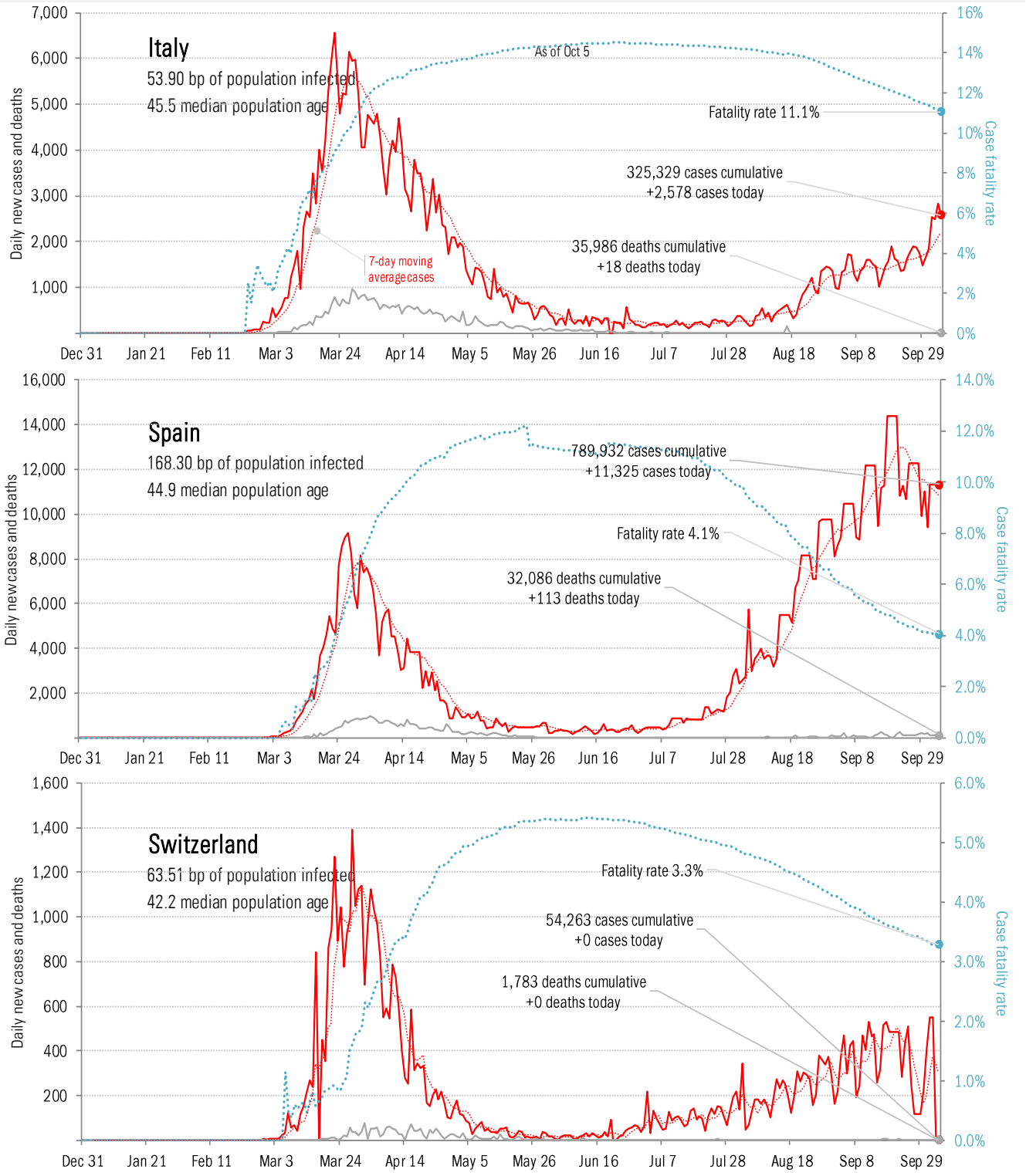
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



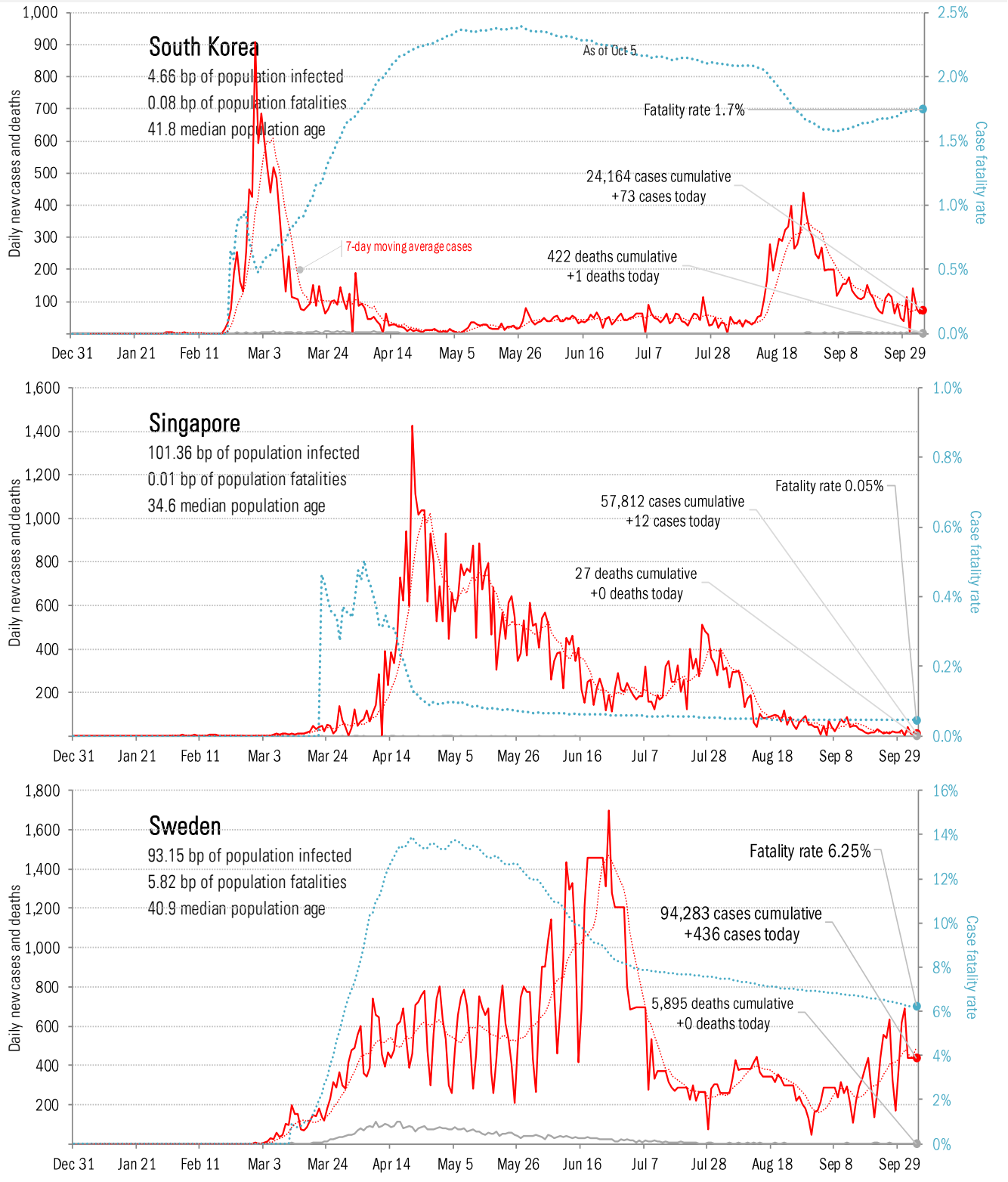
Source: ECDC, TrendMacro calculations

Impact in continental Europe



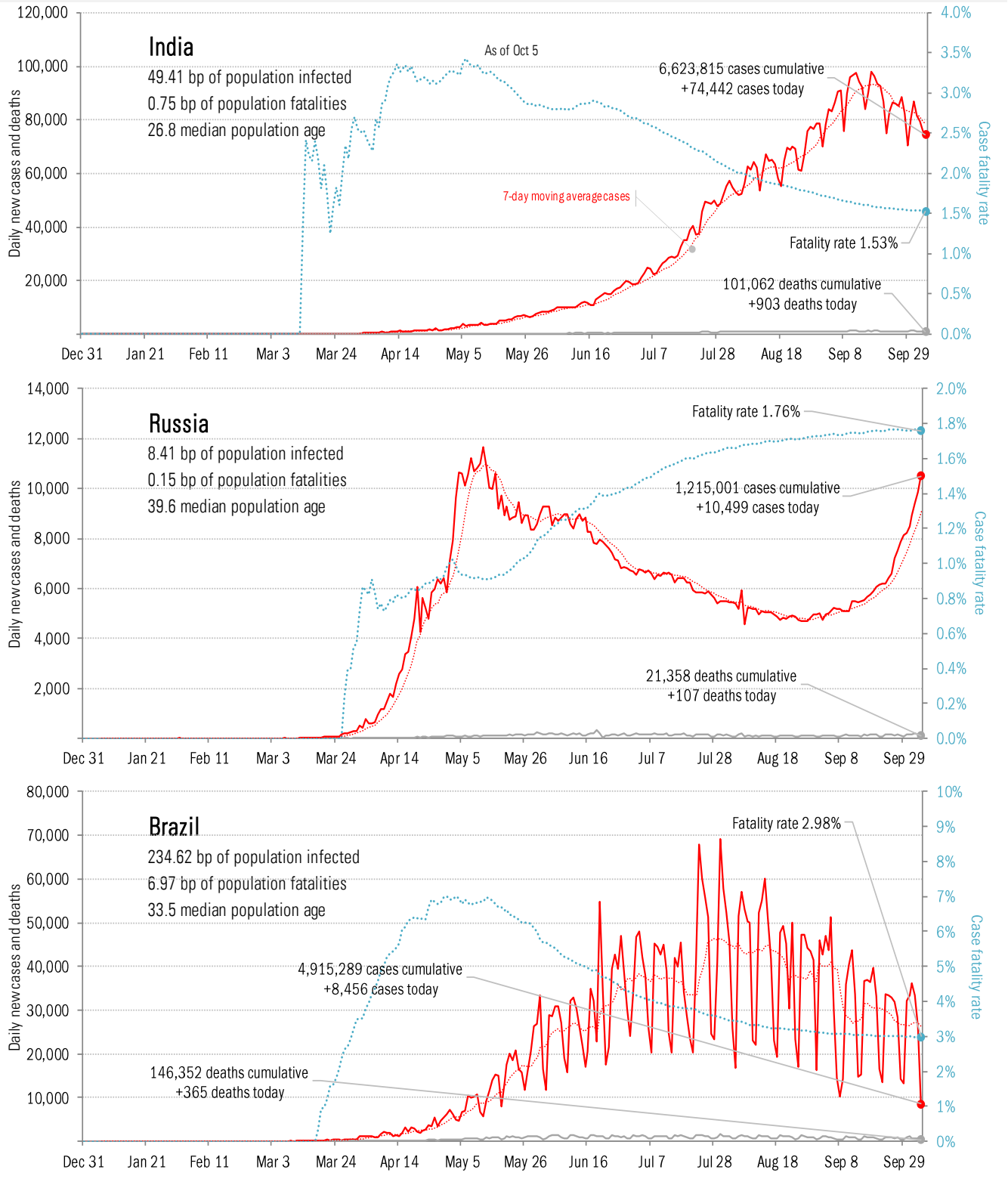
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



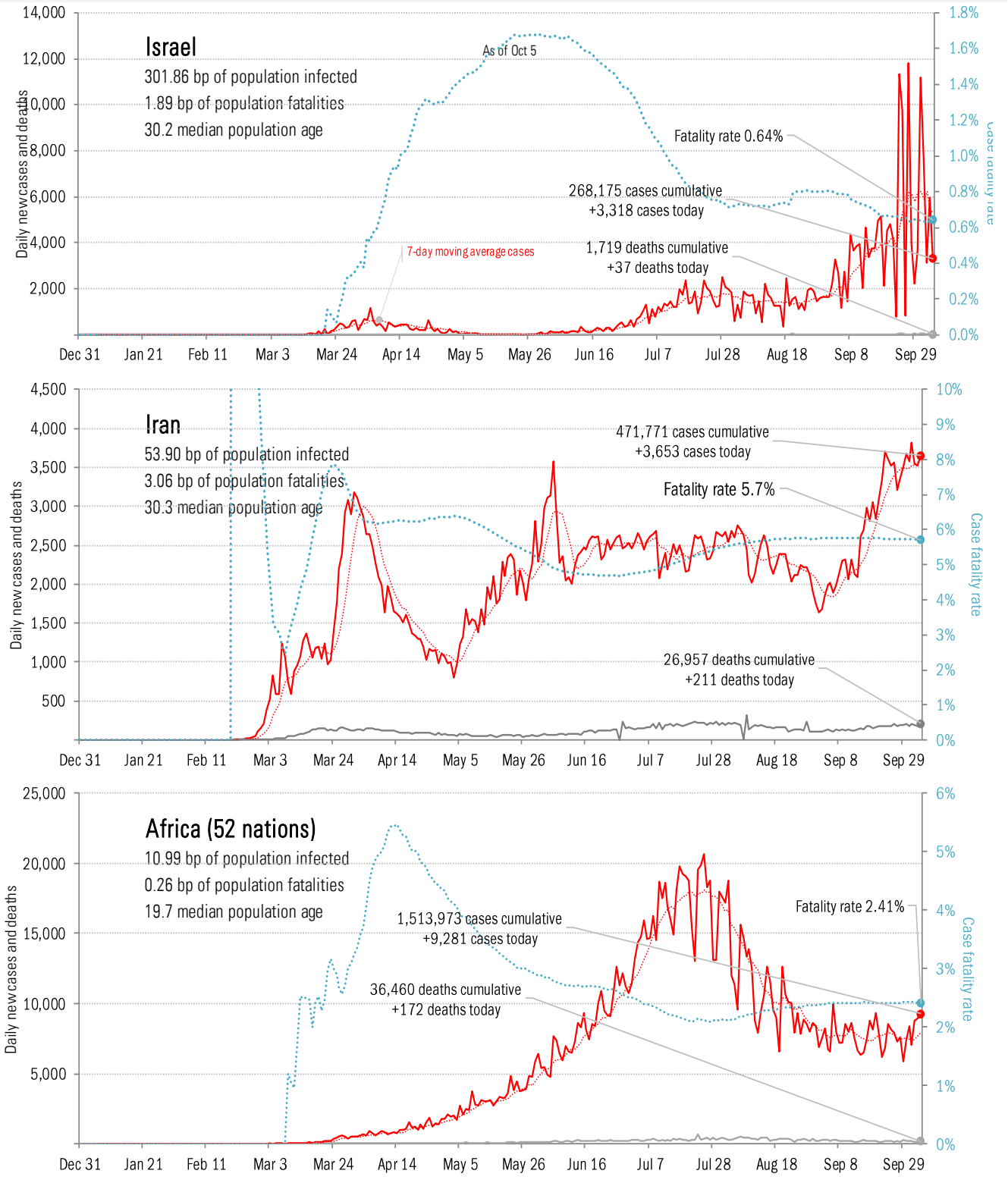
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations