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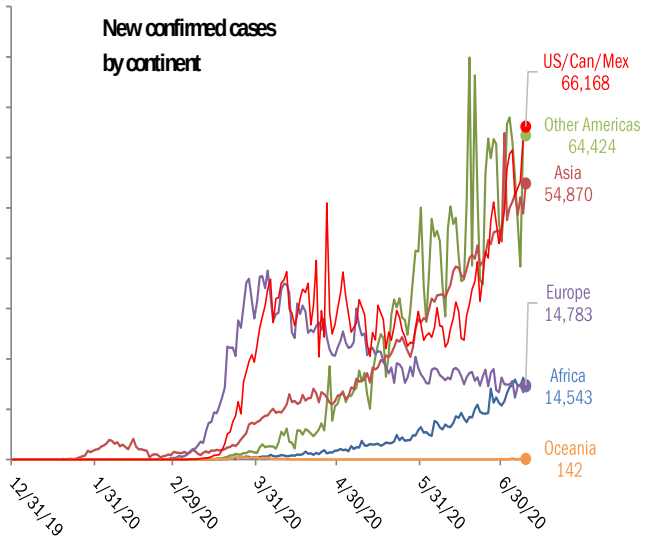
Data Insights: Covid-2019 Monitor

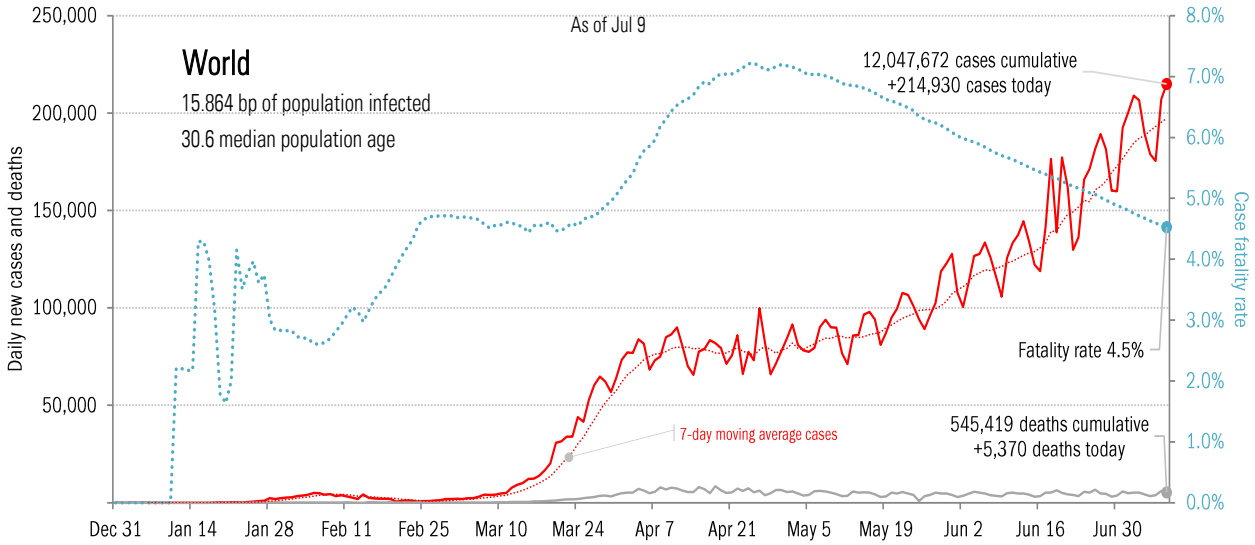
Thursday, July 9, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+58,906	Brazil	+1,223
Brazil	+44,571	US	+829
India	+24,879	Mexico	+782
South_Africa	+8,810	India	+487
Mexico	+6,995	Peru	+181
Russia	+6,562	Russia	+173
Colombia	+4,144	Colombia	+168
Peru	+3,633	Iran	+153
Bangladesh	+3,489	Chile	+139
Pakistan	+3,359	UK	+126
	+165,348		+4,261
World	+214,930	World	+5,370
Top ten	77%	Top ten	79%





Source: ECDC, TrendMacro calculations

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The US scorecard

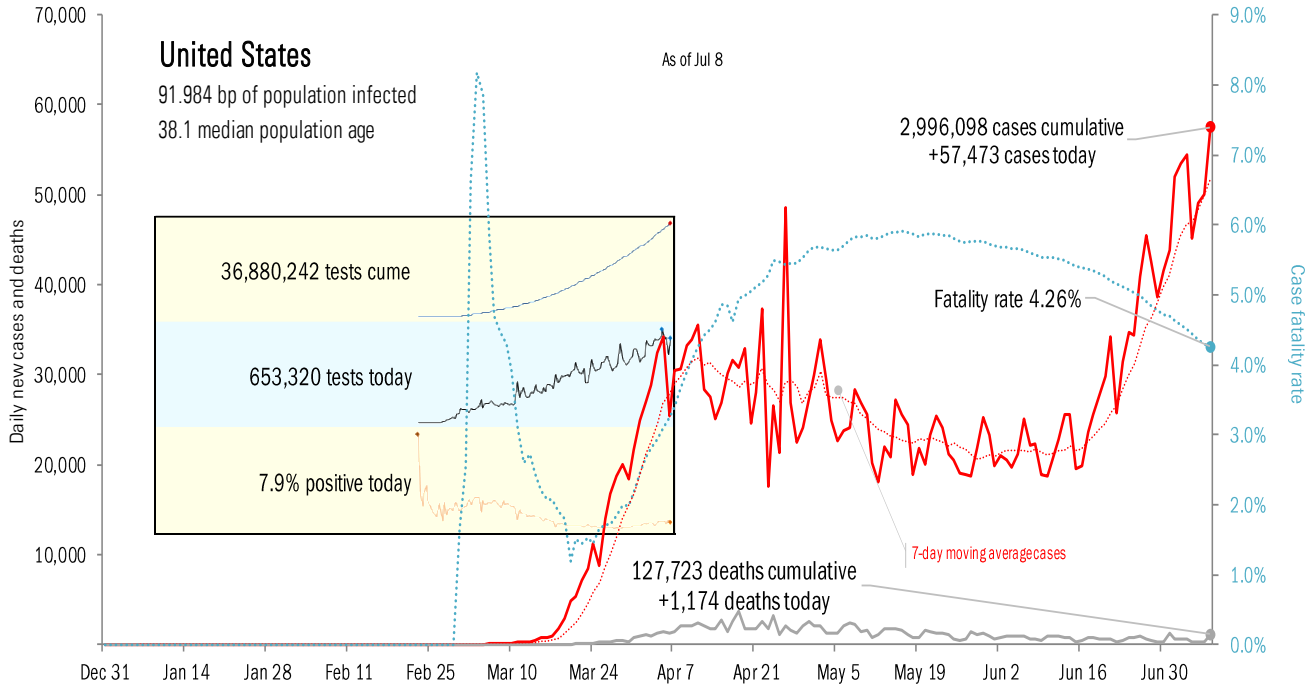
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
TX	+10,028	AZ	+117	FL	+381	NY	398,237	NY	24,924	NY	89,995
FL	+7,347	CA	+111	GA	+307	CA	277,774	NJ	15,281	NJ	20,246
CA	+6,090	FL	+63	VA	+223	FL	213,794	MA	8,213	FL	16,733
AZ	+3,653	TX	+60	SC	+208	TX	210,585	IL	7,273	GA	12,226
GA	+3,406	NJ	+52	OH	+134	NJ	173,878	PA	6,787	MA	11,489
LA	+1,936	MS	+44	AZ	+84	IL	149,574	CA	6,448	MD	11,111
TN	+1,359	OH	+43	WA	+62	MA	110,338	MI	6,251	CT	10,411
NC	+1,346	IL	+37	TN	+53	AZ	105,094	CT	4,338	VA	9,815
WA	+1,087	PA	+33	OK	+52	GA	100,470	FL	3,943	OH	8,383
PA	+995	MI	+30	UT	+49	PA	91,299	LA	3,319	IN	7,333
	+37,247		+590		+1,553		1,831,043		86,777		197,742
All states	+51,888	All states	+919	All states	+1,960	All states	2,980,306	All states	123,834	All states	251,499
Top ten	72%	Top ten	64%	Top ten	79%	Top ten	61%	Top ten	70%	Top ten	79%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CA	-5,439	AR	-6	OR	-40	TX	+4,703
KS	-982	NH	-4	KS	-16	SC	+2,187
AR	-785	CT	-3	MN	-16	TN	+807
SC	-561	KS	-3	AR	-10	OH	+625
PR	-540	DC	-2	MD	-10	OK	+573



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

Recommended reading

[Does Cuomo Share Blame for 6,200 Virus Deaths in N.Y. Nursing Homes?]
Luis Ferré-Sadurní and Amy Julia Harris
New York Times
July 8, 2020

[Factors Associated with Nursing Home Infections and Fatalities in New York State During the COVID-19 Global Health Crisis]
New York State Department of Health
July 6, 2020

[The C.D.C. announces it will issue new guidelines for reopening schools, hours after Trump assailed its recommendations.]
New York Times
July 8, 2020

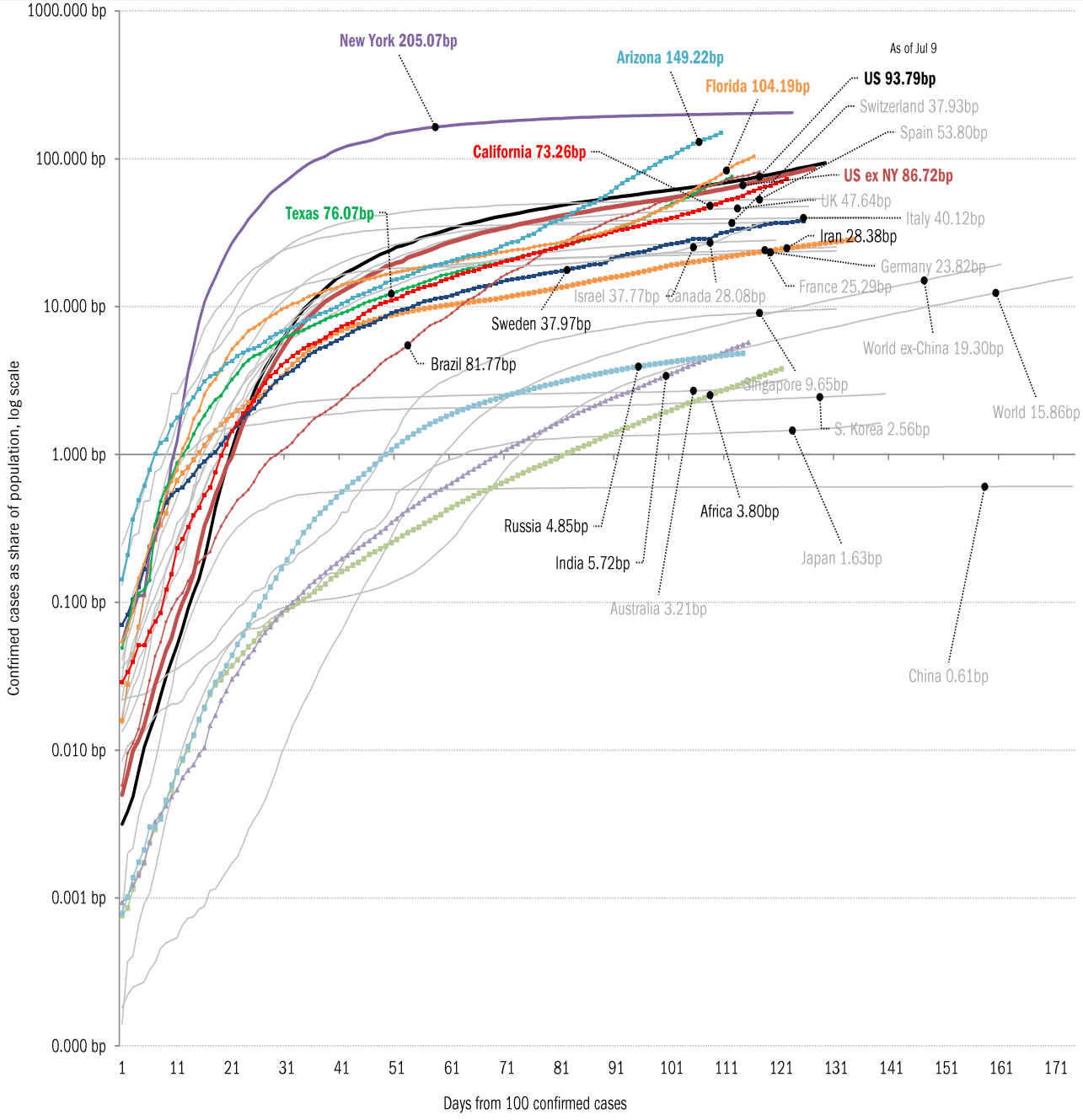
[Are Protests Dangerous? What Experts Say May Depend on Who's Protesting What]
Michael Powell
New York Times
July 6, 2020

Meme of the day

Source: Our beloved clients, and [Power Line blog "The Week in Cartoons"]

The coronavirus case accelerometer… tracking the world's infection curves

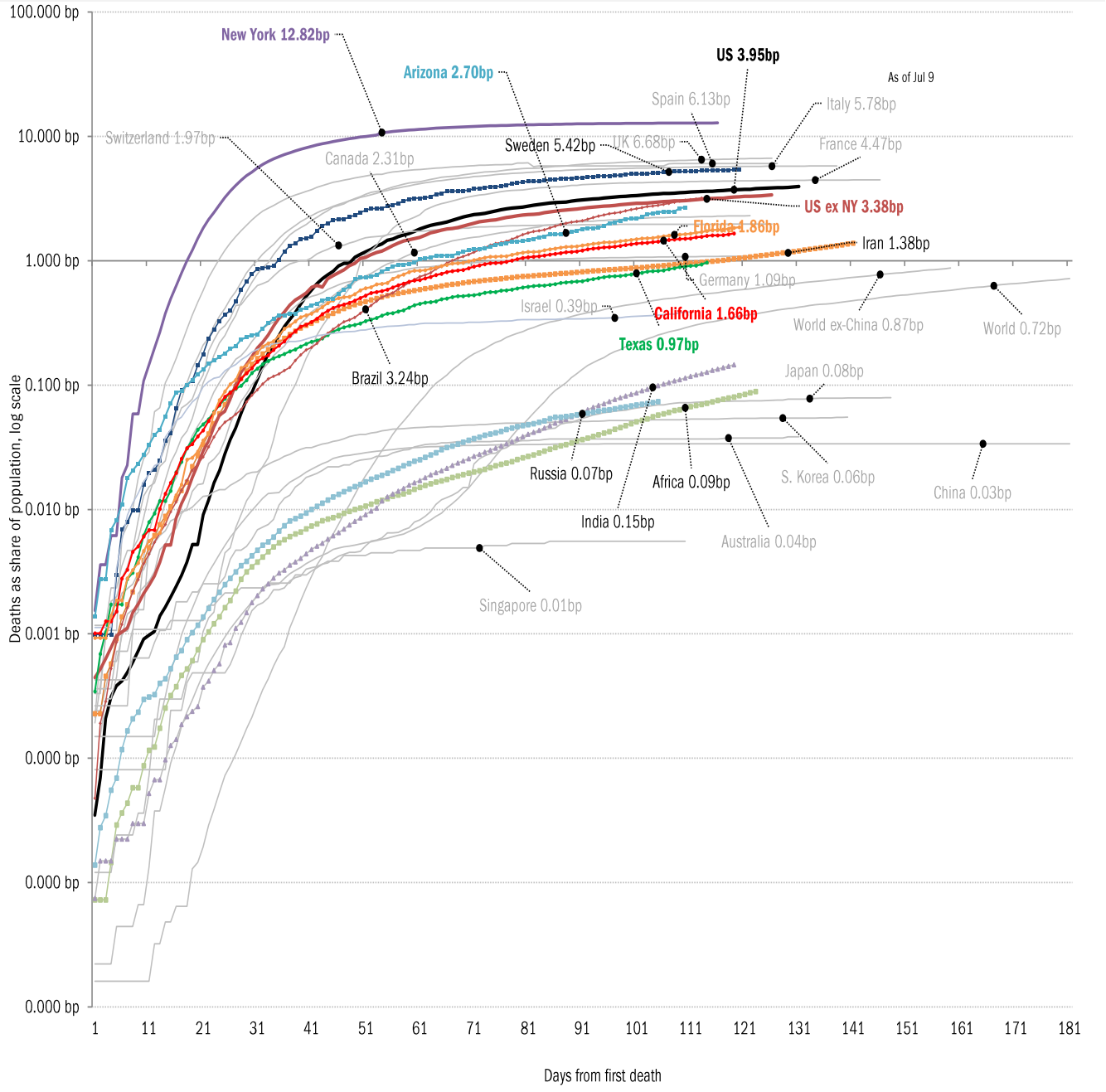
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

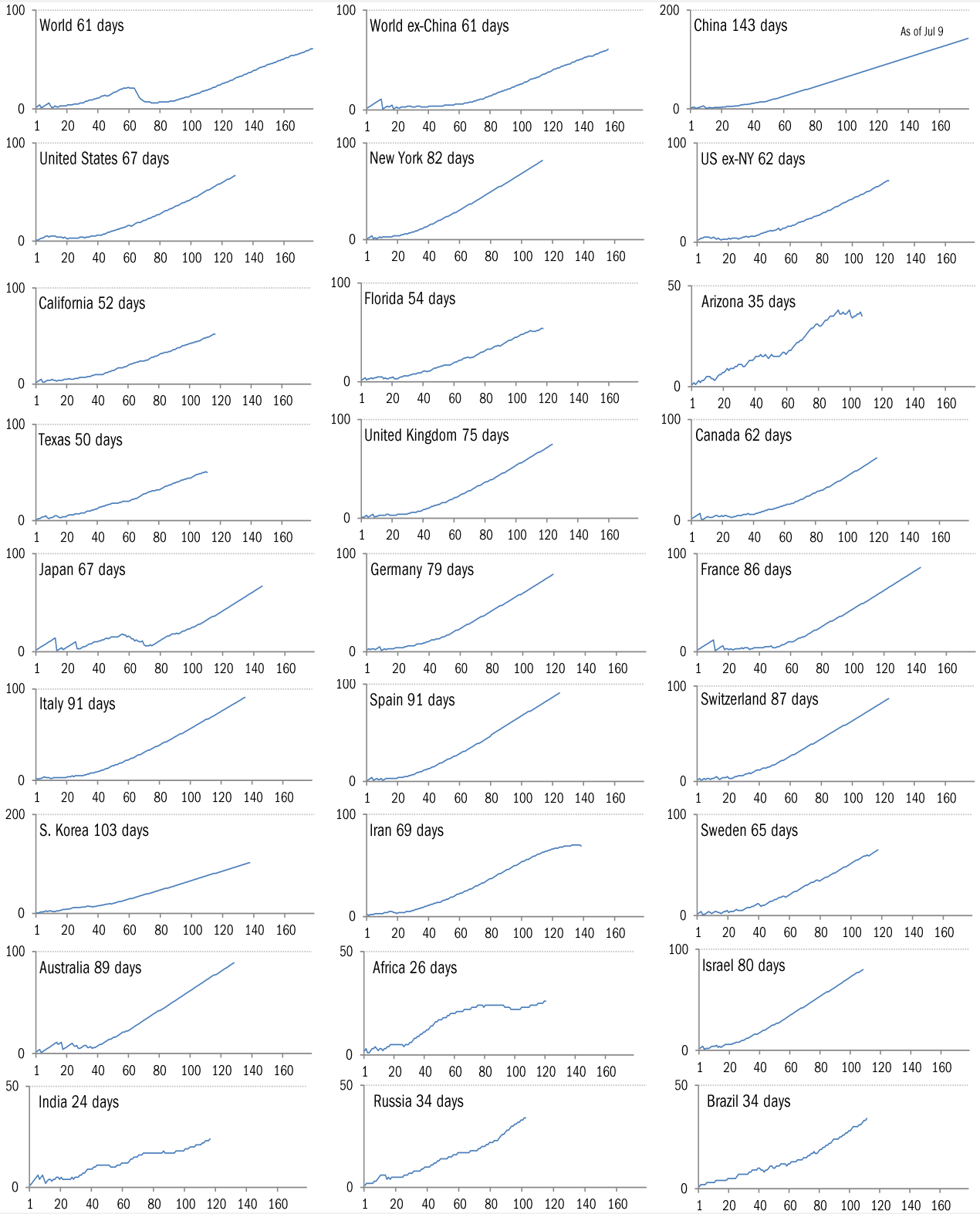
Share of deceased population from day of first fatality



Source: ECDC, TrendMacro calculations

Our most reliable evidence of slowing exponential growth of Covid-2019

Vertical: number of days it takes to double deaths Horizontal: days from first death

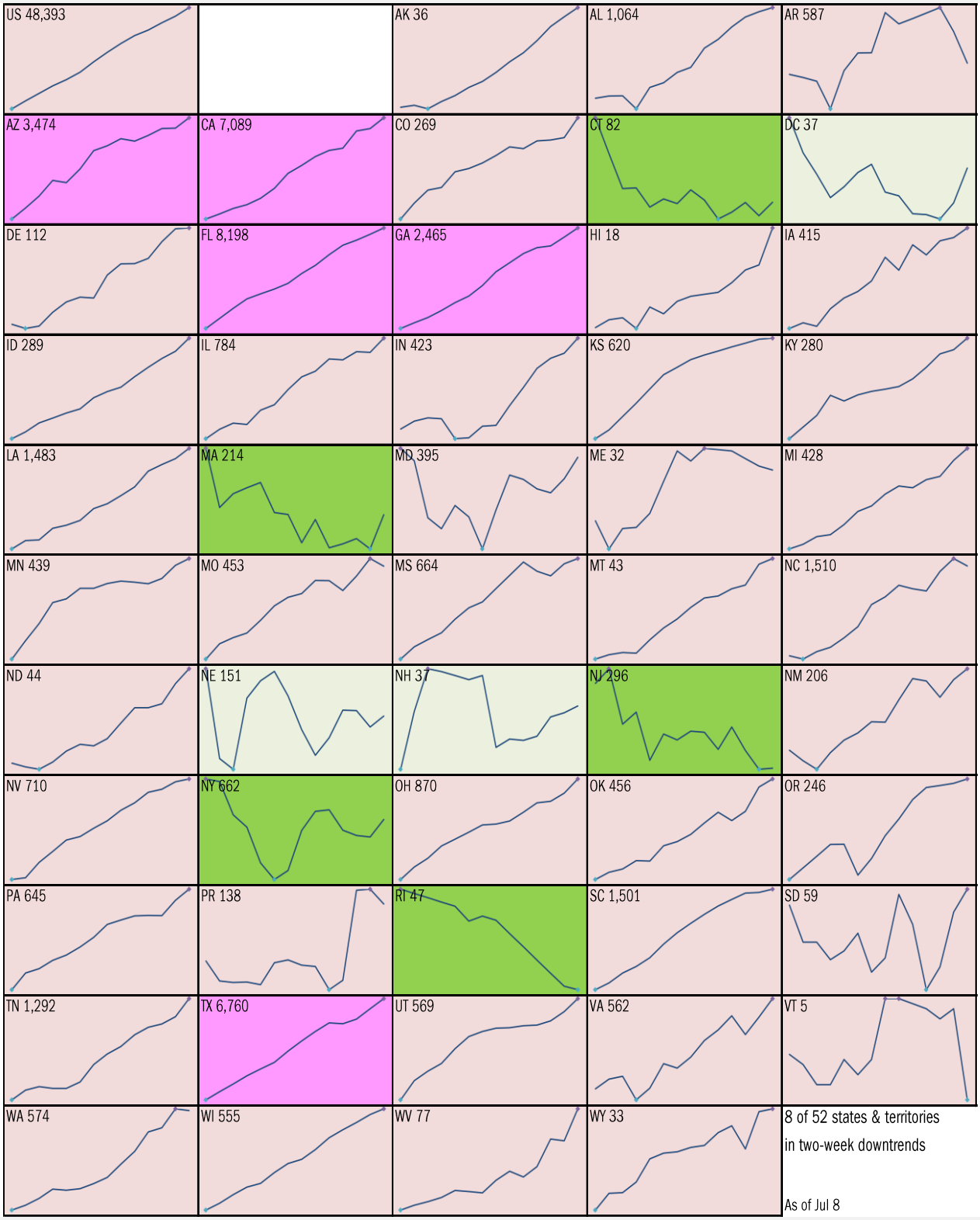


Source: ECDC, TrendMacro calculations

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

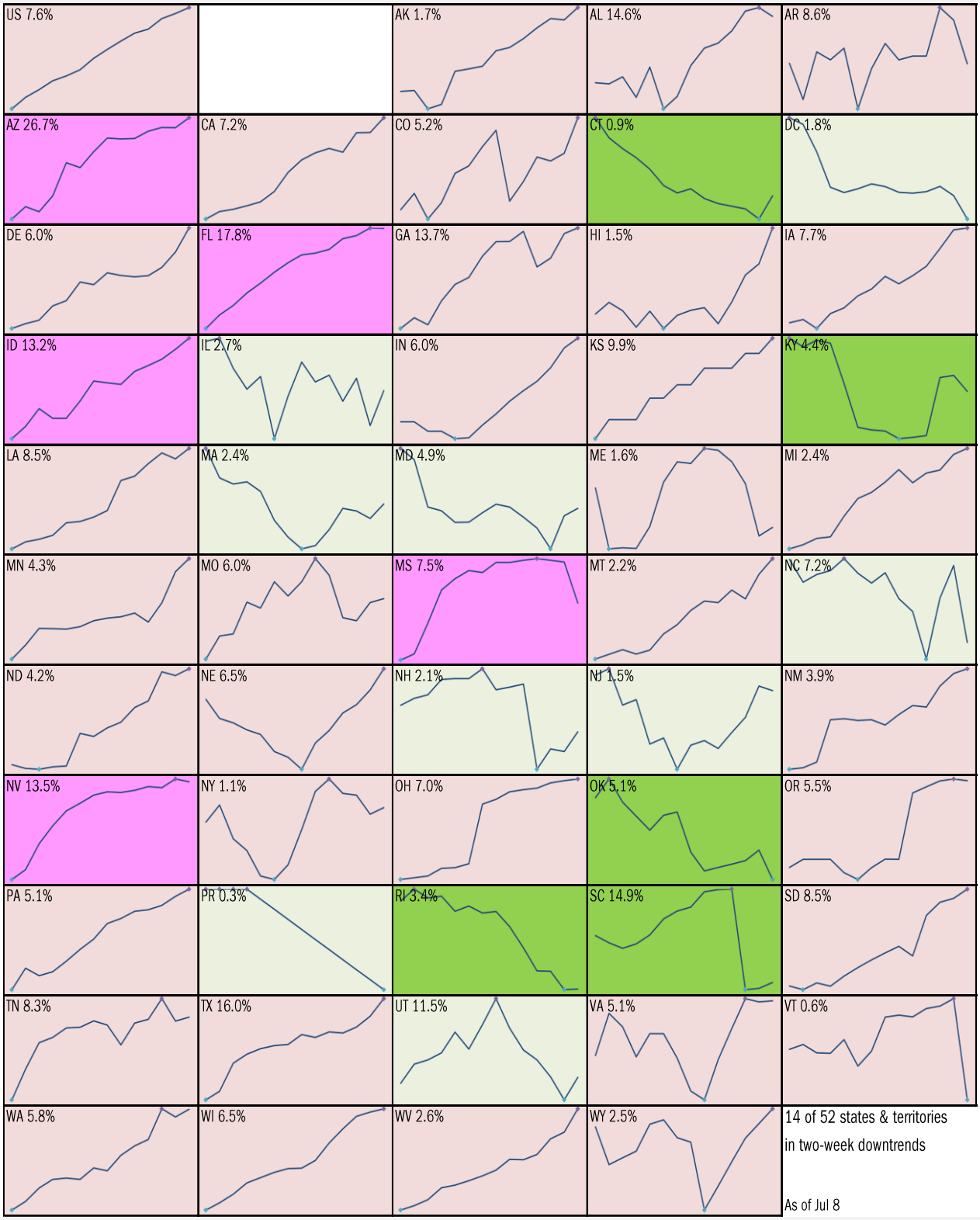


Source: Covid Tracking Project, TrendMacro calculations

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

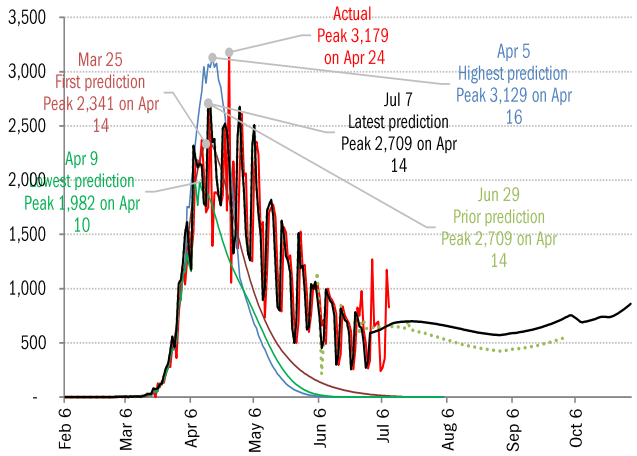


Source: Covid Tracking Project, TrendMacro calculations

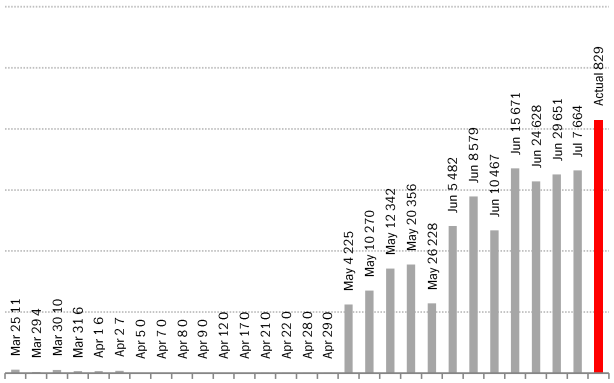
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Jul 9

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

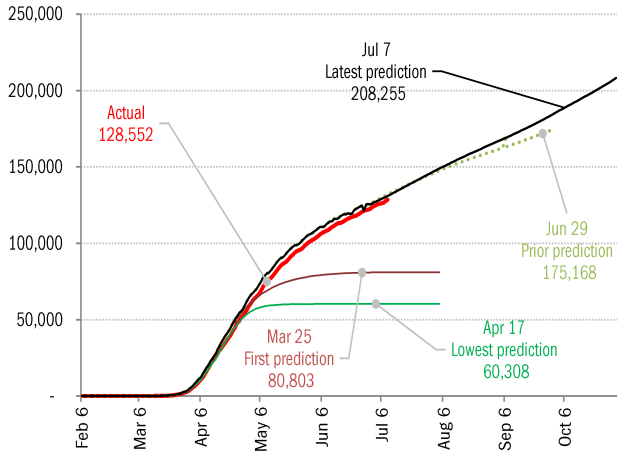


For this day, versus all model mean predictions

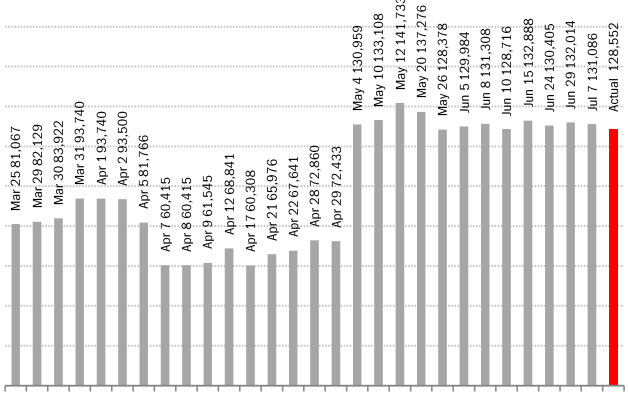


Cumulative fatalities

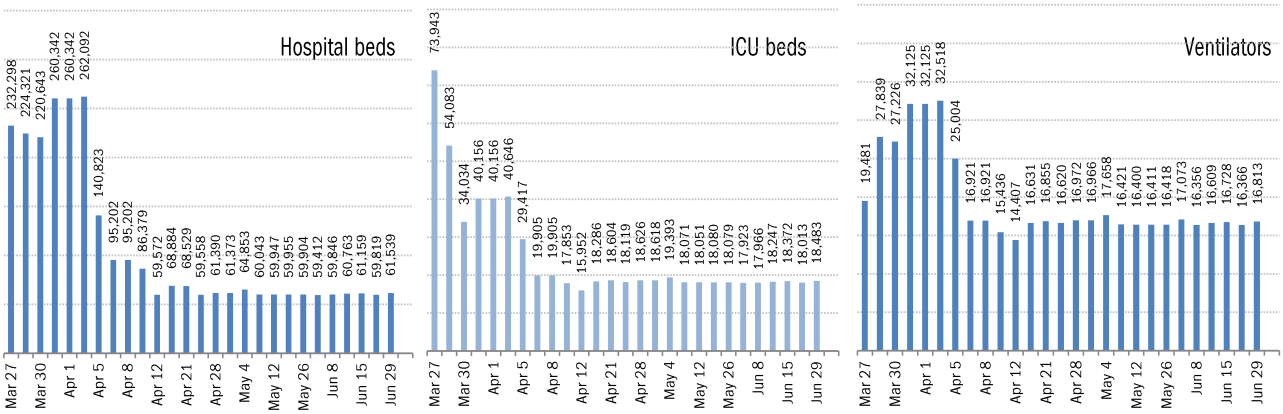
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

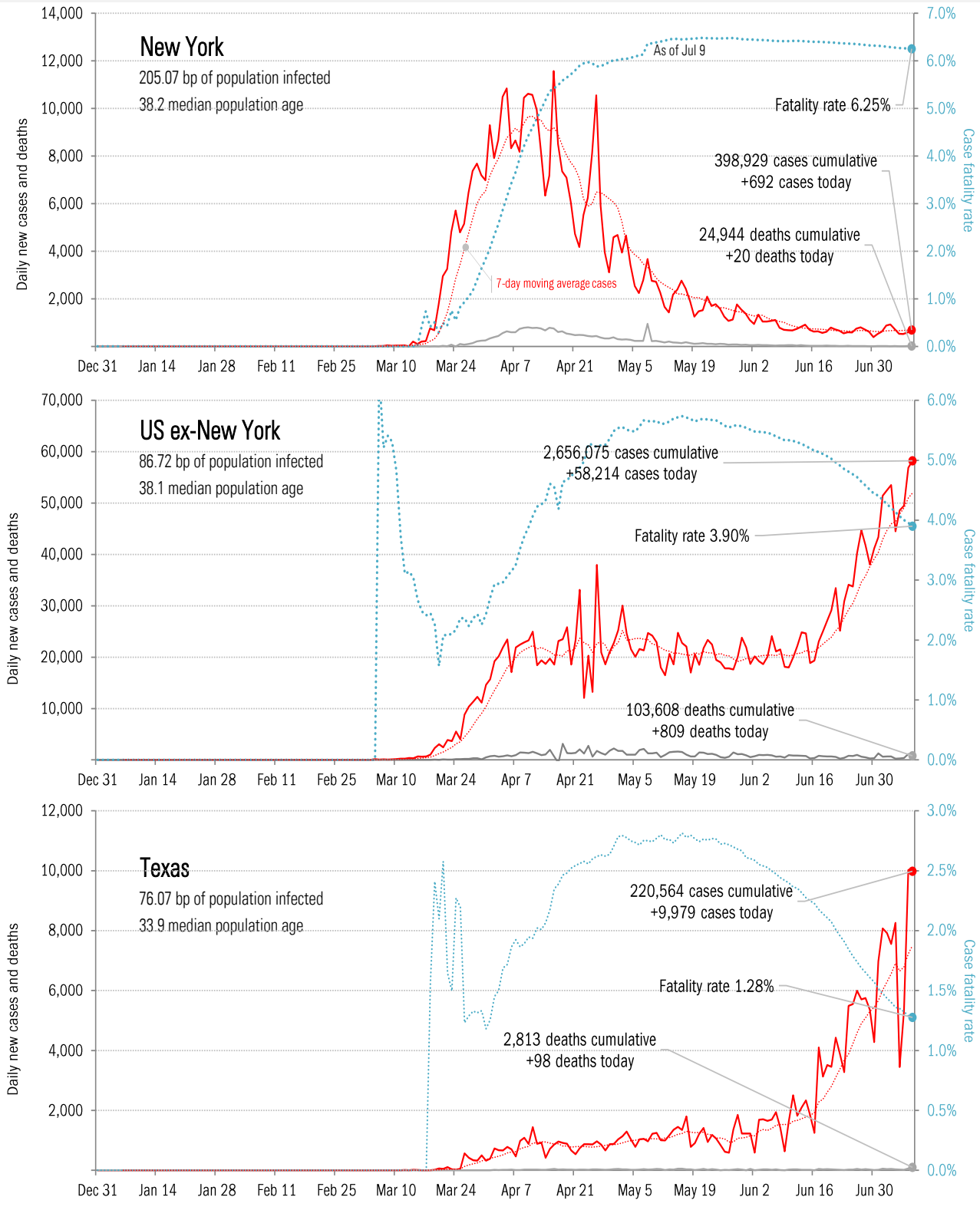


Healthcare system stress, peak estimated at each model revision



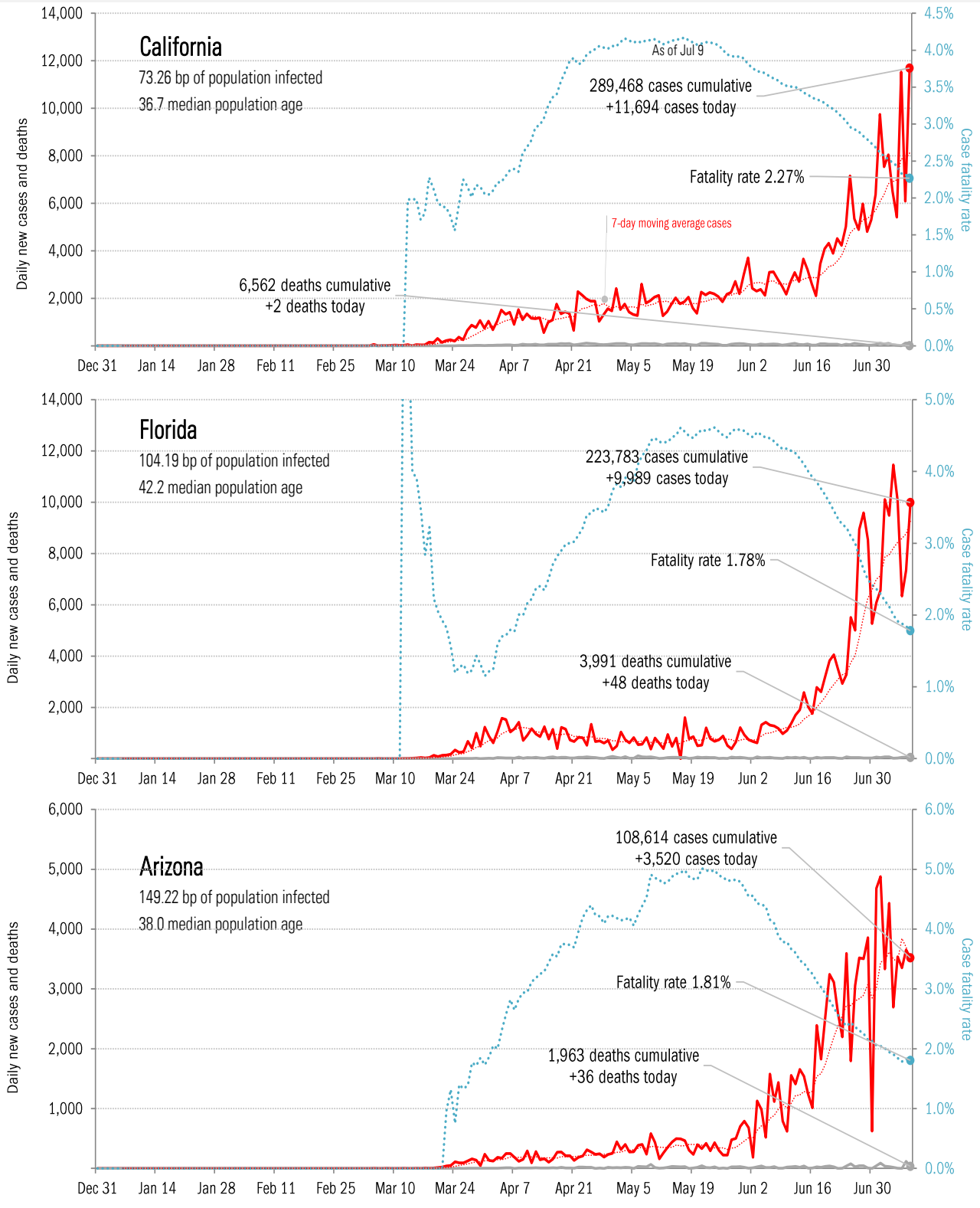
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



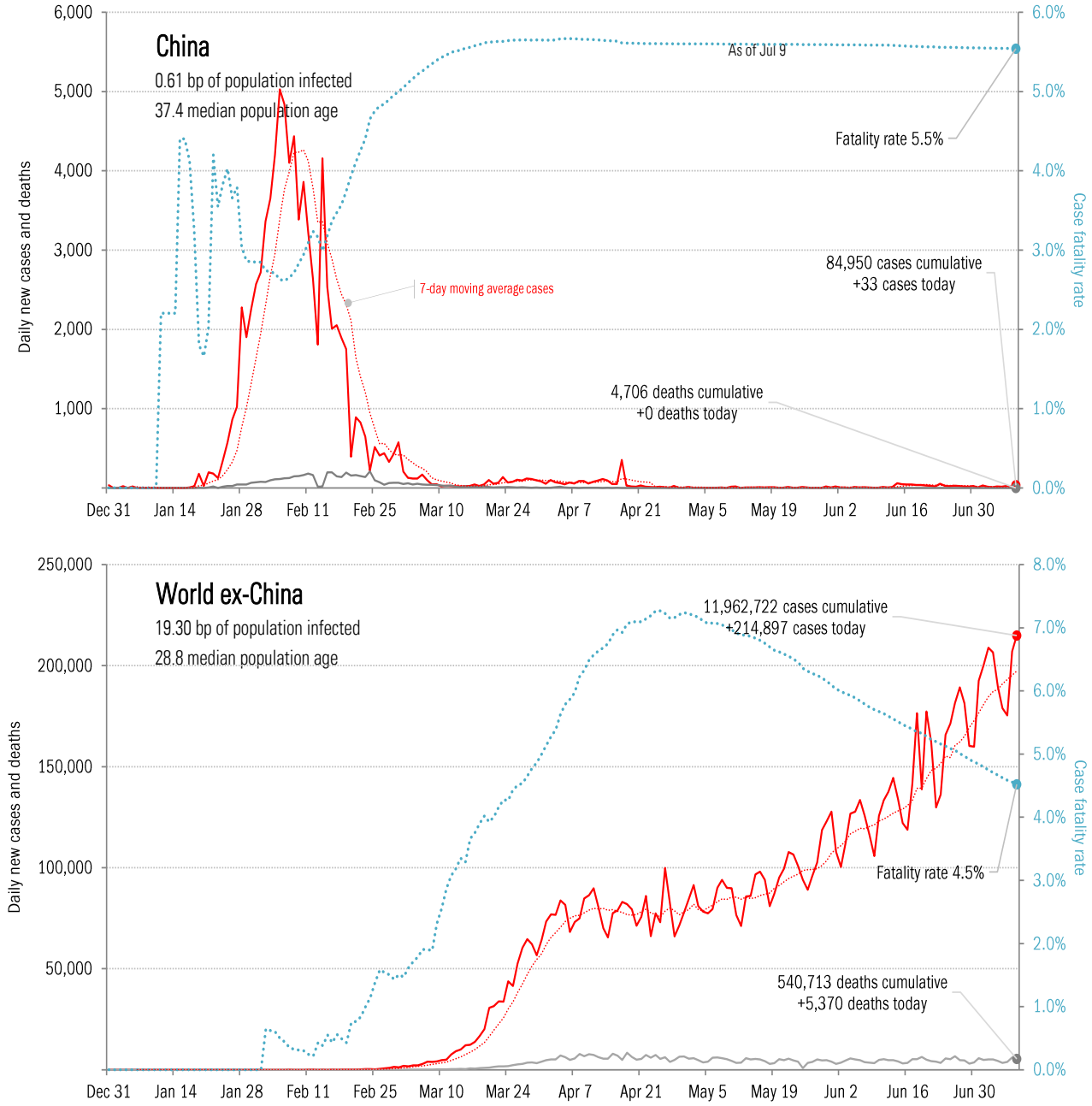
Source: ECDC, TrendMacro calculations

The “second wave” states (other than Texas)



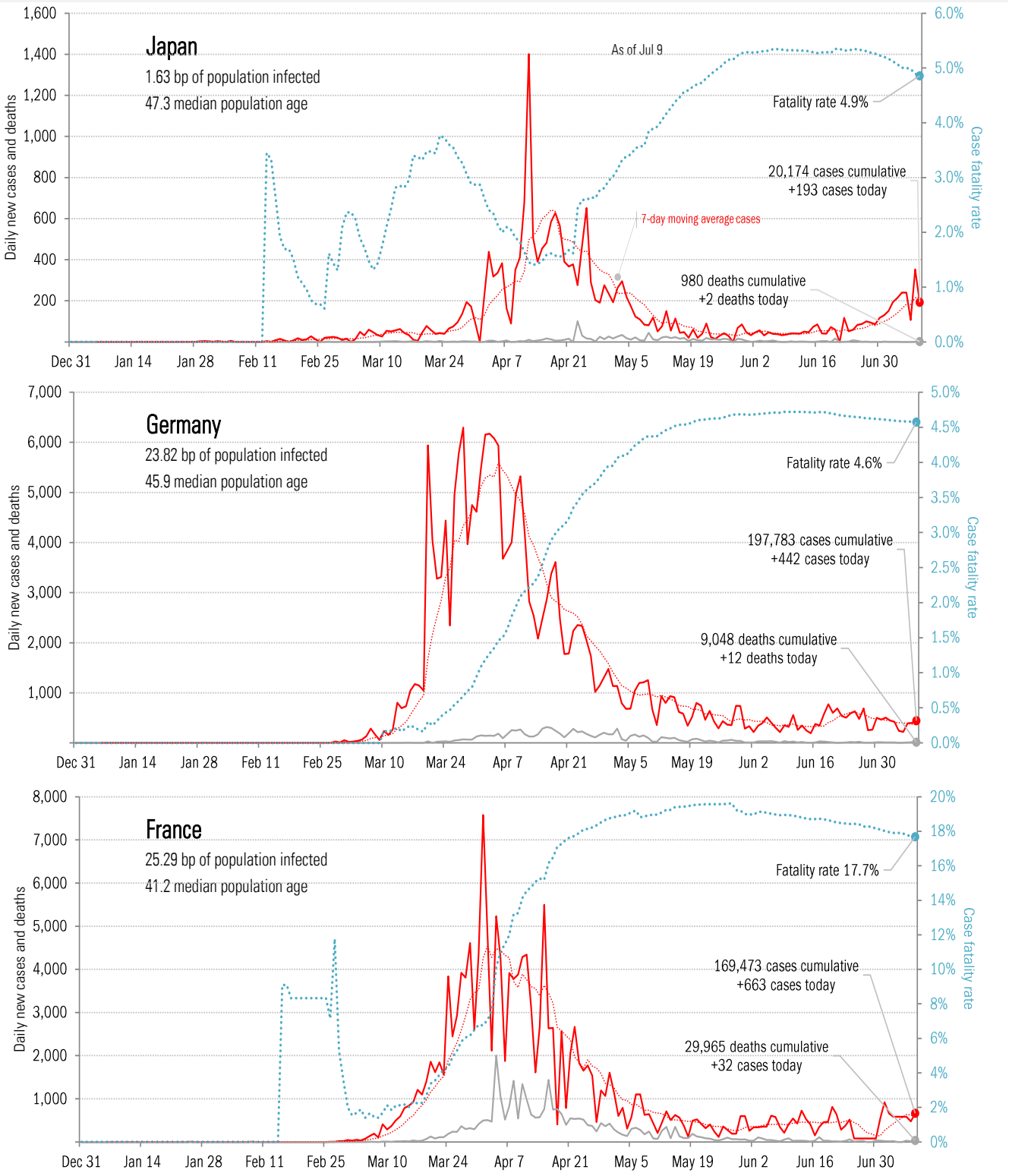
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



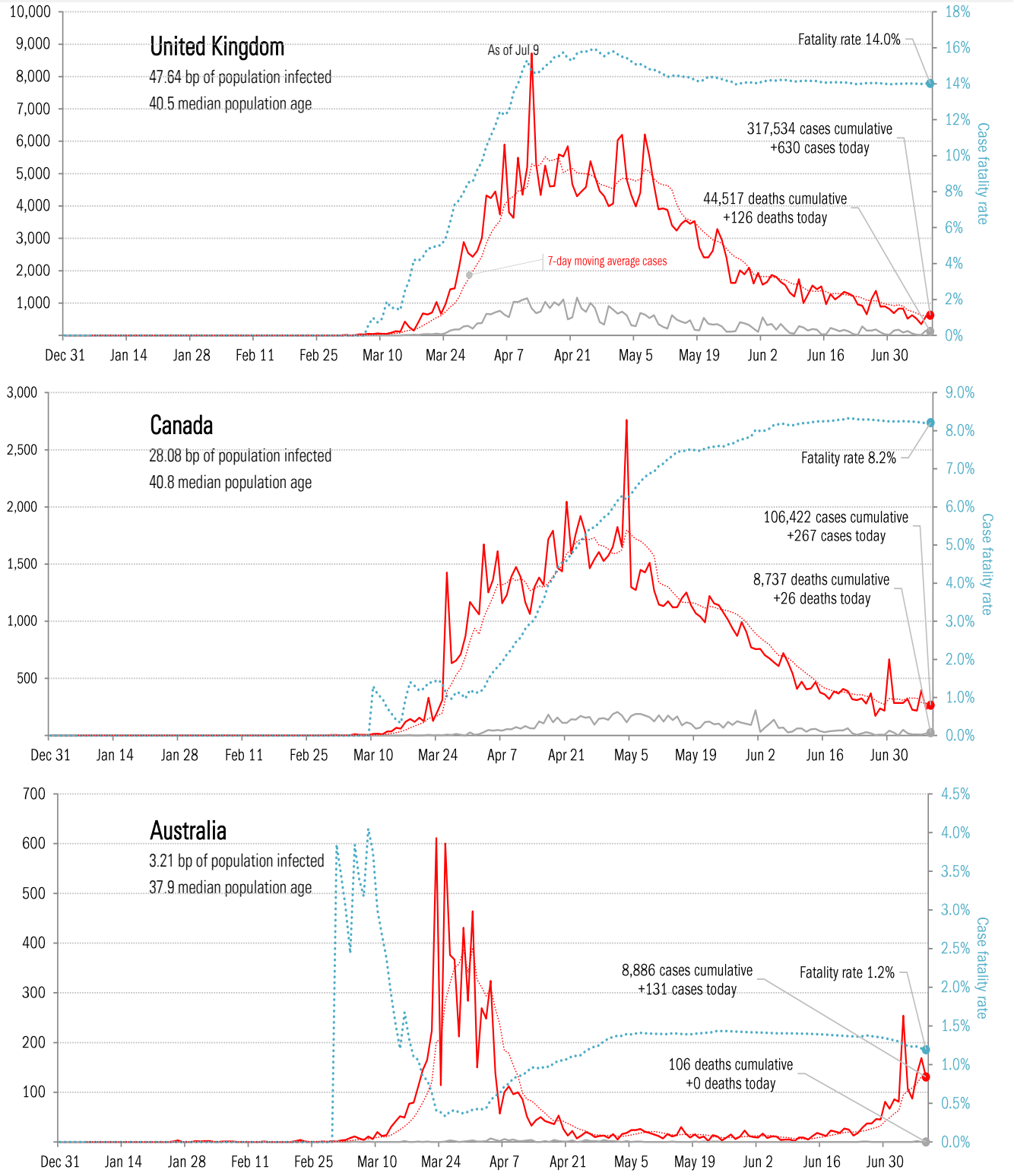
Source: ECDC, TrendMacro calculations

Impact in the largest economies



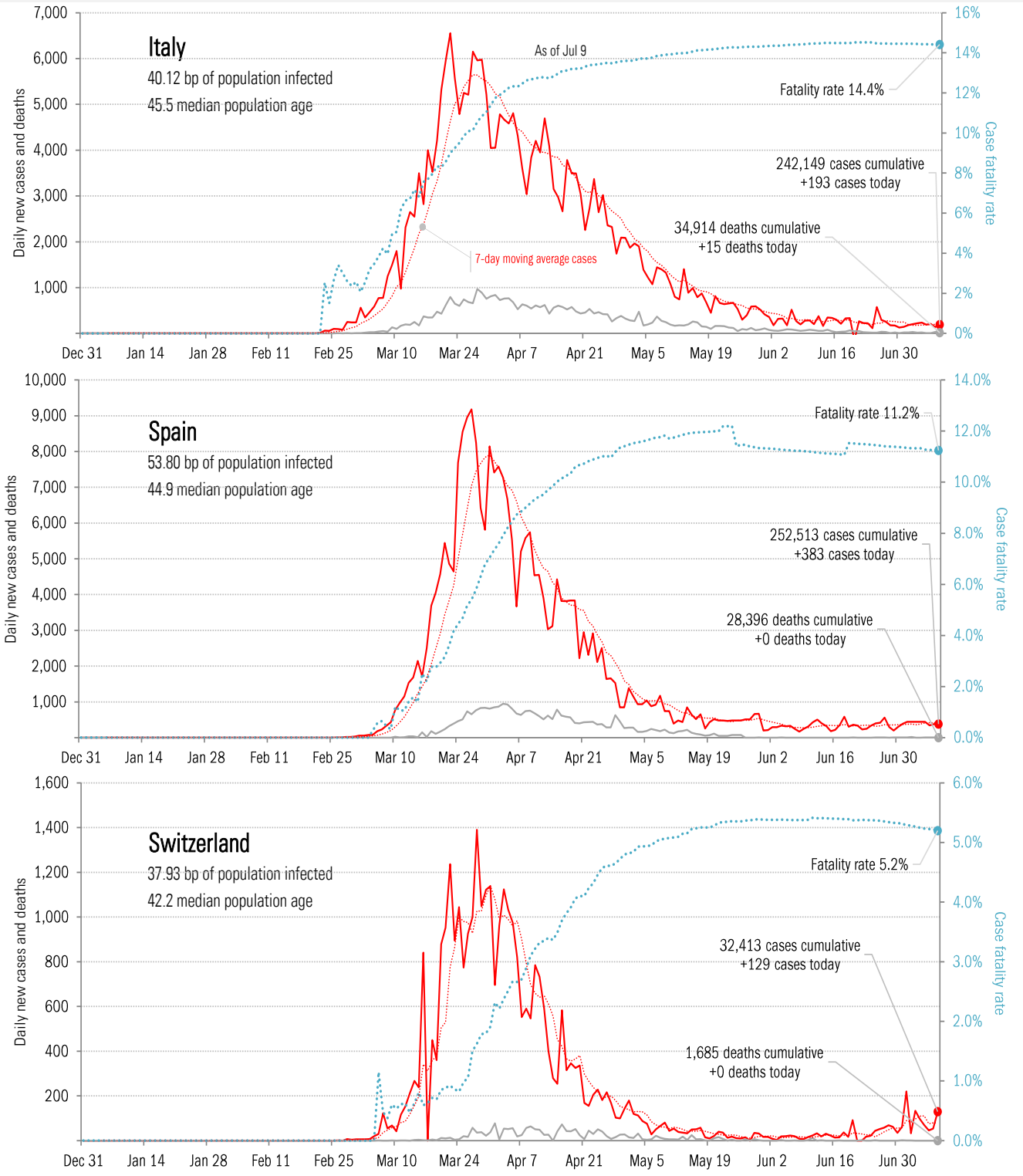
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



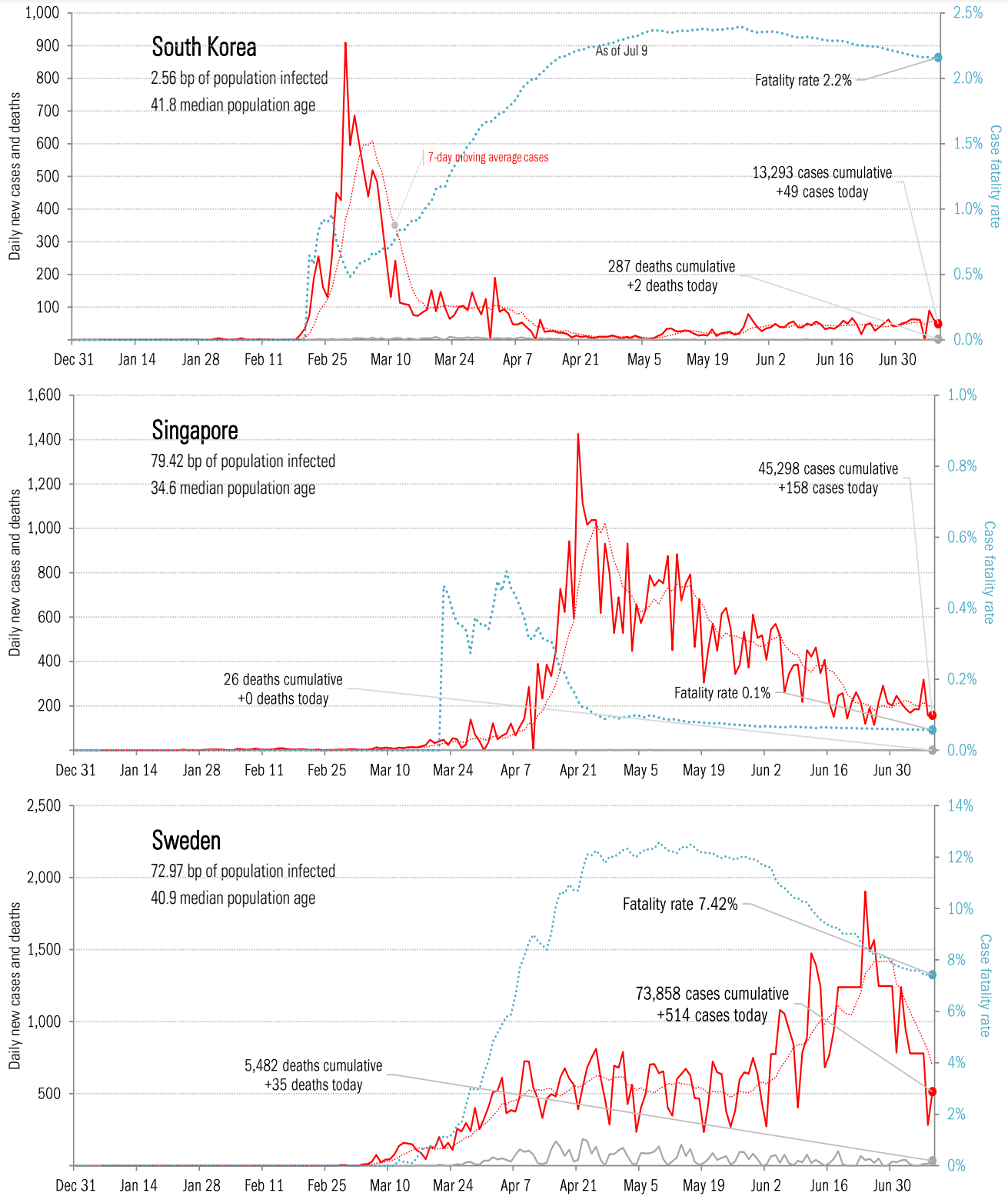
Source: ECDC, TrendMacro calculations

Impact in continental Europe



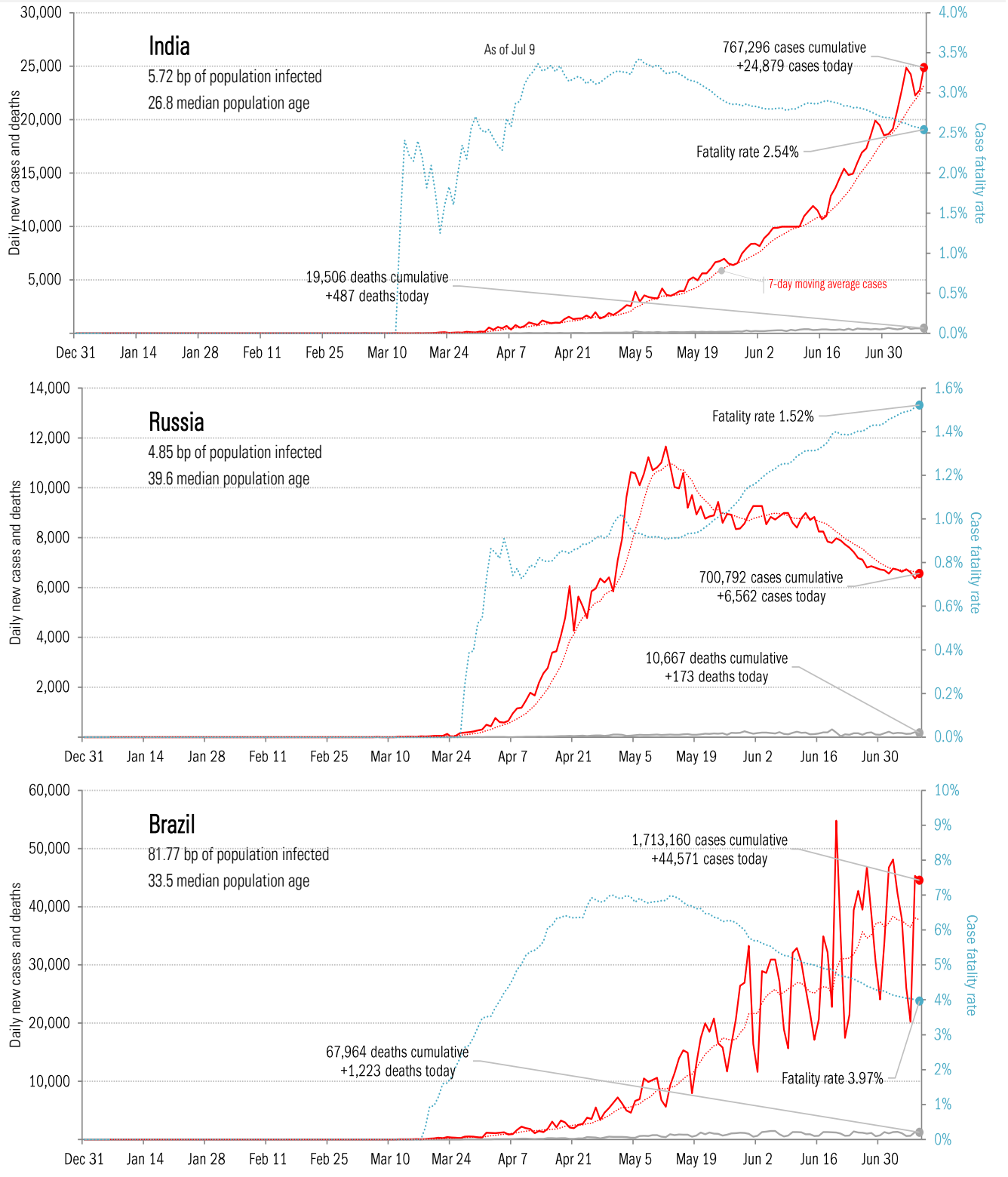
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



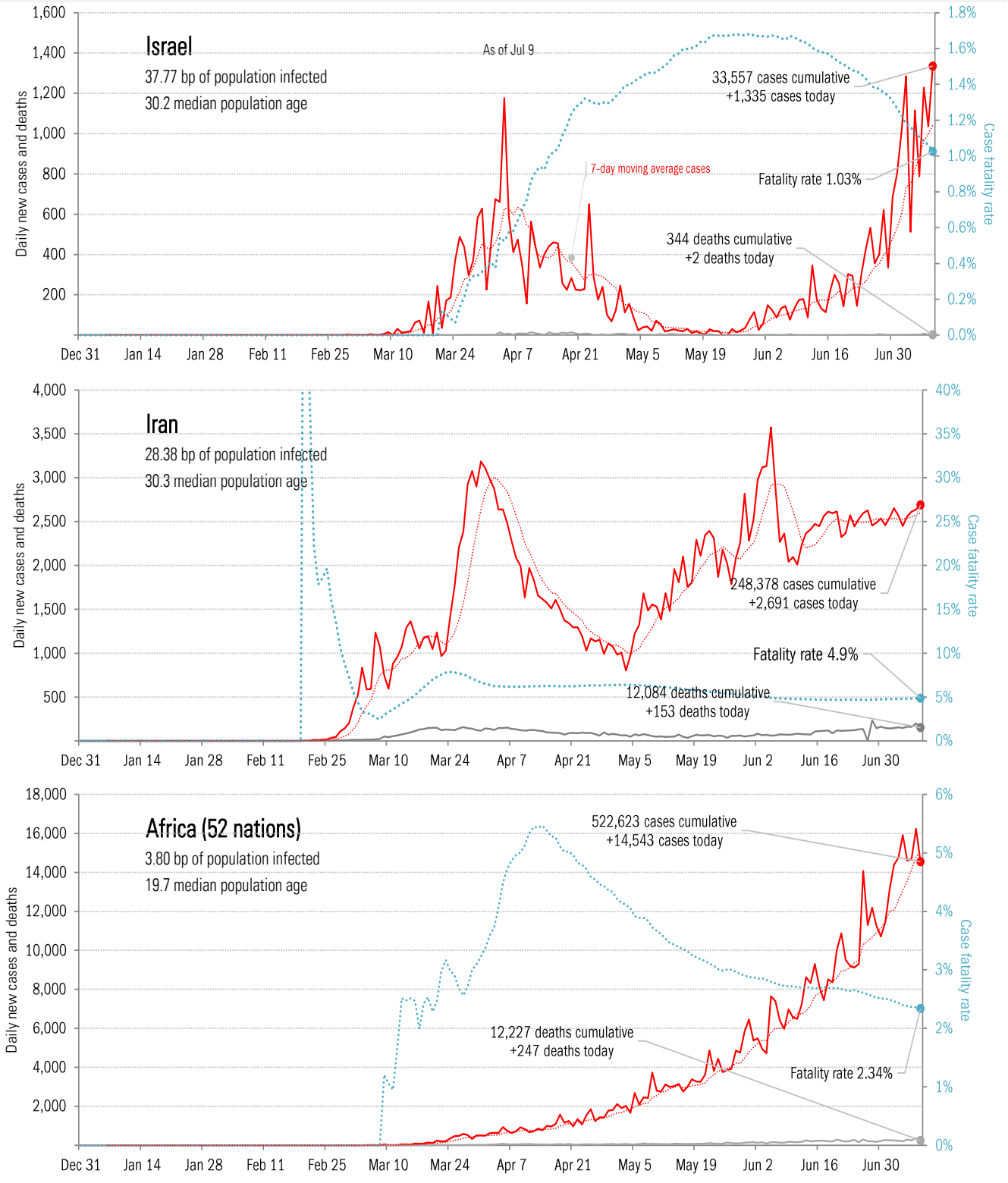
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations