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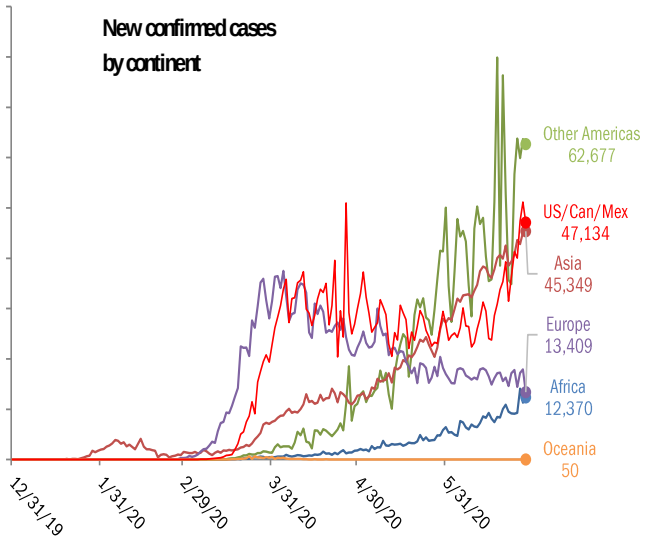
Data Insights: Covid-2019 Monitor

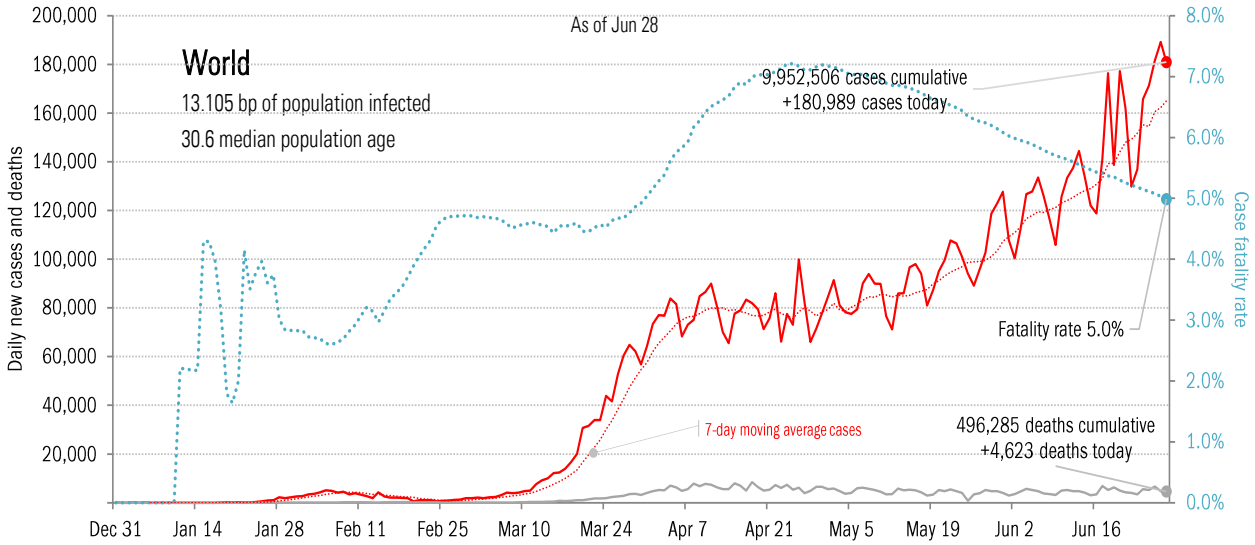
Sunday, June 28, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+42,486	Brazil	+1,109
Brazil	+38,693	Mexico	+602
India	+19,906	US	+500
South_Africa	+7,210	India	+410
Russia	+6,852	Chile	+279
Argentina	+5,287	Iran	+234
Mexico	+4,410	Peru	+196
Chile	+4,406	Russia	+188
Colombia	+4,149	Colombia	+128
Pakistan	+4,072	Iraq	+101
	+137,471		+3,747
World	+180,989	World	+4,623
Top ten	76%	Top ten	81%





Source: ECDC, TrendMacro calculations

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The US scorecard

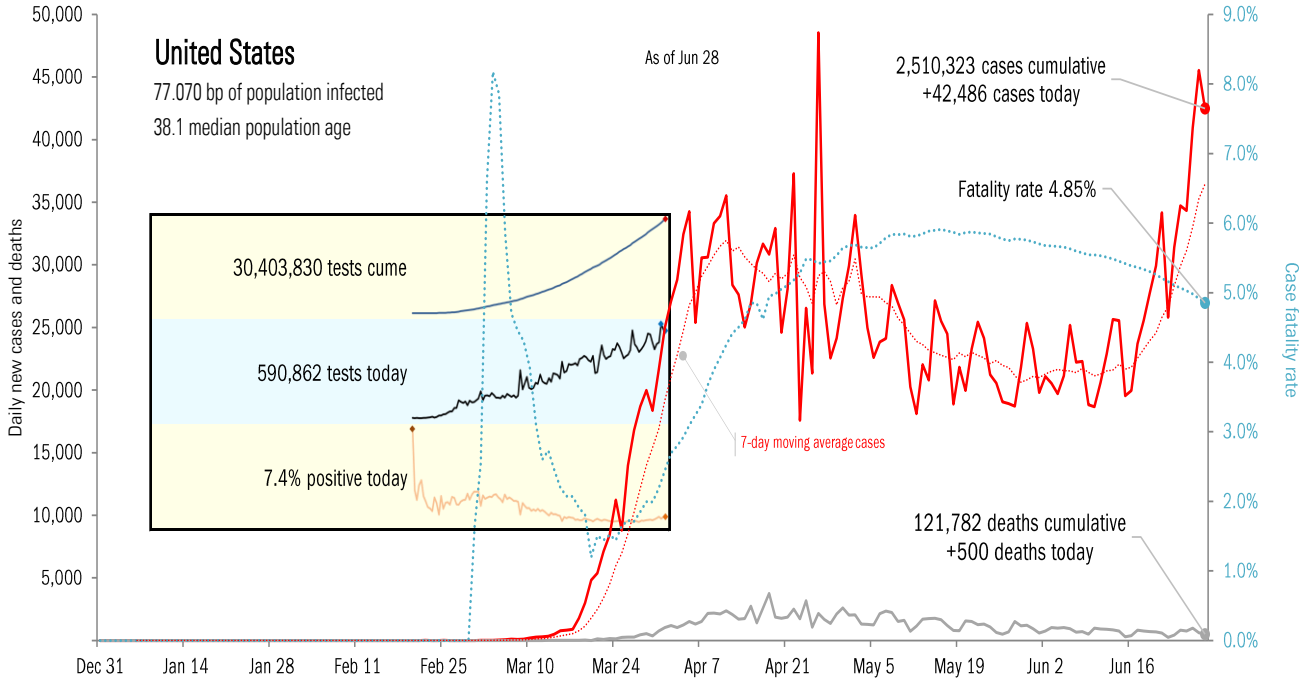
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
FL	+9,585	CA	+60	FL	+151	NY	391,923	NY	24,830	NY	89,995
CA	+5,972	AZ	+44	WA	+88	CA	206,433	NJ	14,948	NJ	19,823
TX	+5,747	TX	+42	GA	+84	NJ	170,873	MA	8,041	FL	14,432
AZ	+3,503	NJ	+34	AZ	+81	TX	143,371	IL	7,074	MA	11,310
GA	+1,990	MA	+28	NJ	+71	IL	142,130	PA	6,579	MD	10,751
NC	+1,719	IL	+26	TN	+66	FL	132,545	MI	6,153	GA	10,689
SC	+1,604	FL	+25	VA	+65	MA	108,443	CA	5,872	CT	10,268
NV	+1,099	VA	+24	OH	+54	PA	84,370	CT	4,311	VA	8,787
AL	+900	IN	+21	OK	+47	GA	74,985	FL	3,489	OH	7,624
OH	+817	MI	+19	AL	+44	AZ	70,051	LA	3,190	IN	6,982
	+32,936		+323		+751		1,525,124		84,487		190,661
All states	+43,471	All states	+506	All states	+1,057	All states	2,498,822	All states	119,156	All states	239,576
Top ten	76%	Top ten	64%	Top ten	71%	Top ten	61%	Top ten	71%	Top ten	80%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
LA	-1,354	LA	-26	SC	-245	TX	+1,966
TN	-682	MA	-22	GA	-64	MI	+1,809
PA	-600	PA	-22	FL	-62	AR	+657
KS	-568	CA	-19	KS	-46	UT	+561
OR	-250	GA	-19	AZ	-27	WI	+432



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

Recommended reading

Starbucks Barista Gets $65,000 in Donations After Customer's Mask Complaint
New York Times
June 27, 2020

Study Suggests Coronavirus Emerged Much Earlier Than Thought. Some Are Skeptical.
New York Times
June 27, 2020

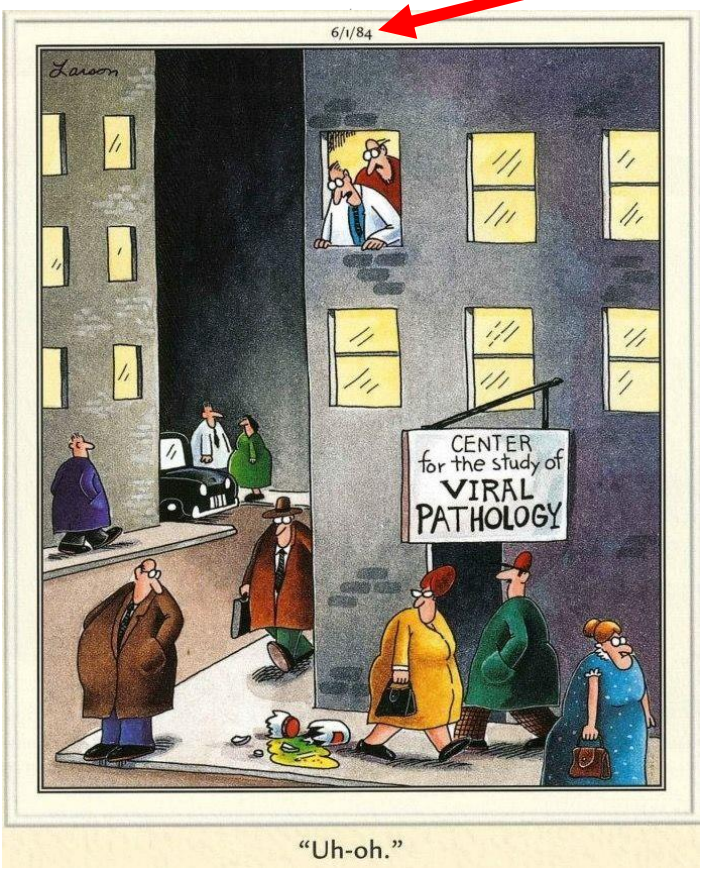
43% of U.S. Coronavirus Deaths Are Linked to Nursing Homes
New York Times
June 27, 2020

UPMC doctor sees too much focus on rising COVID-19 cases, too little on declining severity and hospitalizations
David Wenner
PennLive.com
June 24, 2020

Leaders of Houston's 4 largest hospitals say capacity is in good shape as coronavirus cases increase
Aaron Barker
Click2Houston
June 26, 2020

Sweden's Covid Expert Says 'World Went Mad' With Lockdowns
Niclas Rolander
Bloomberg
June 24, 2020

Meme of the day

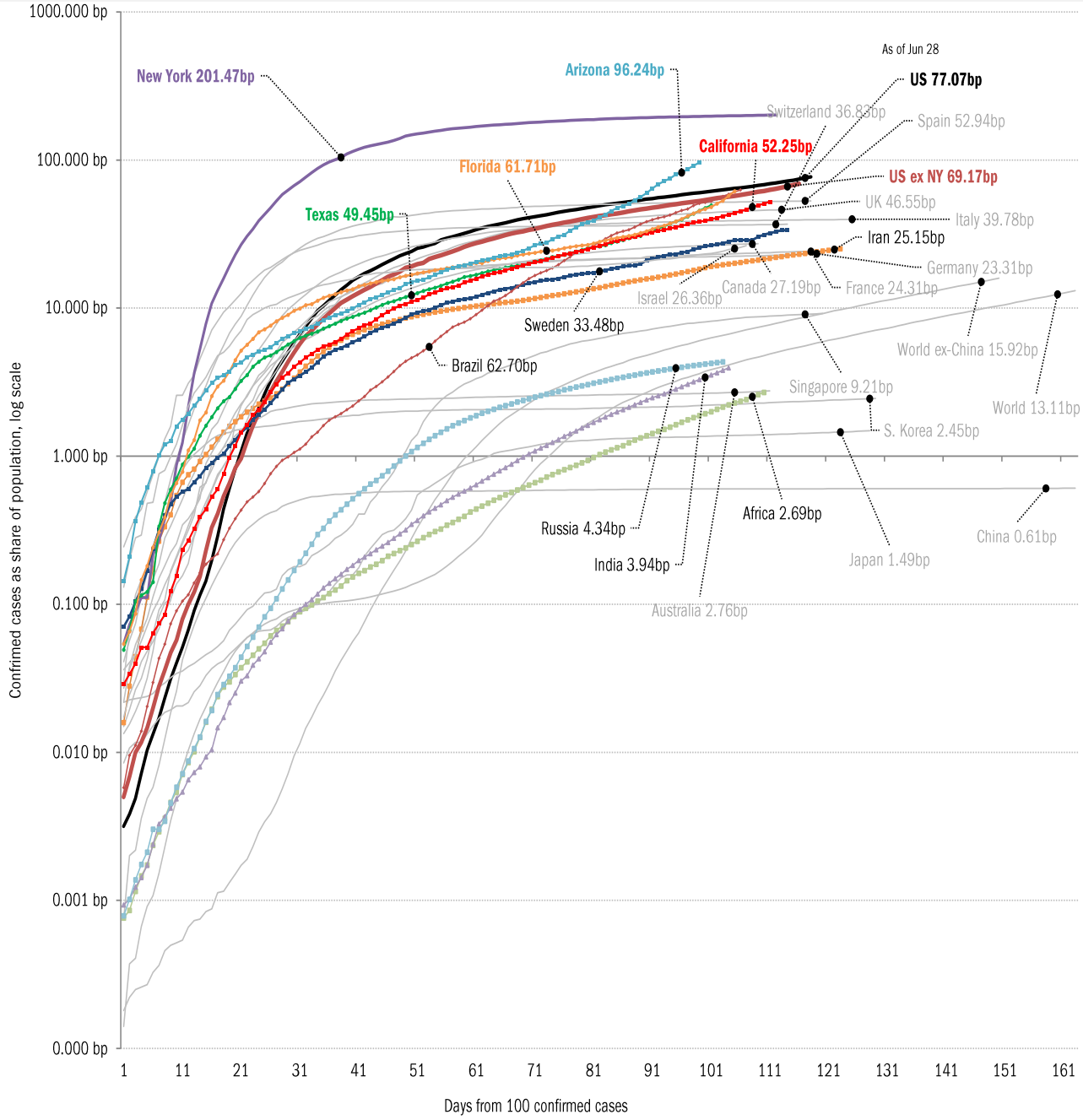


"Uh-oh."

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

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

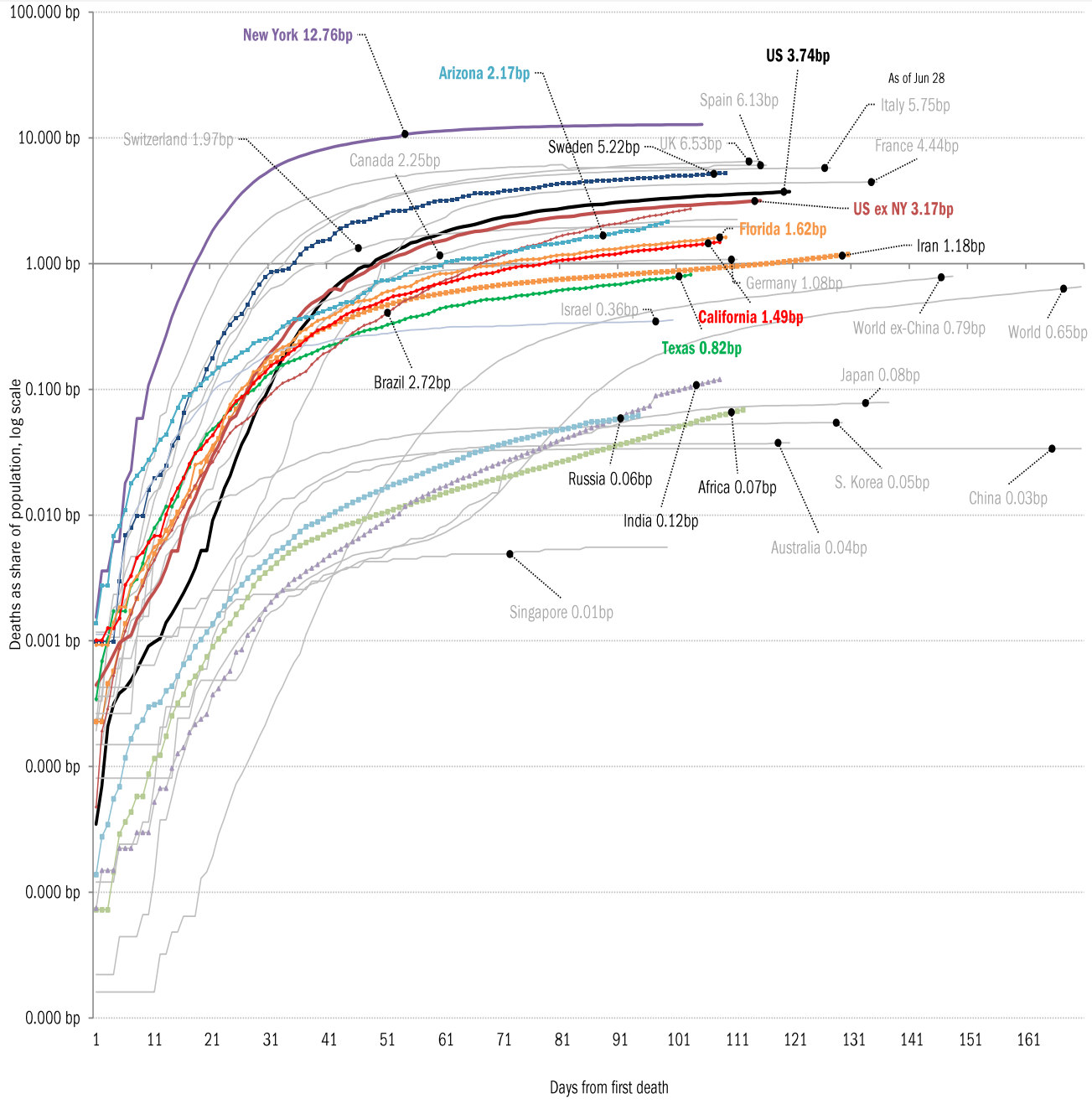
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

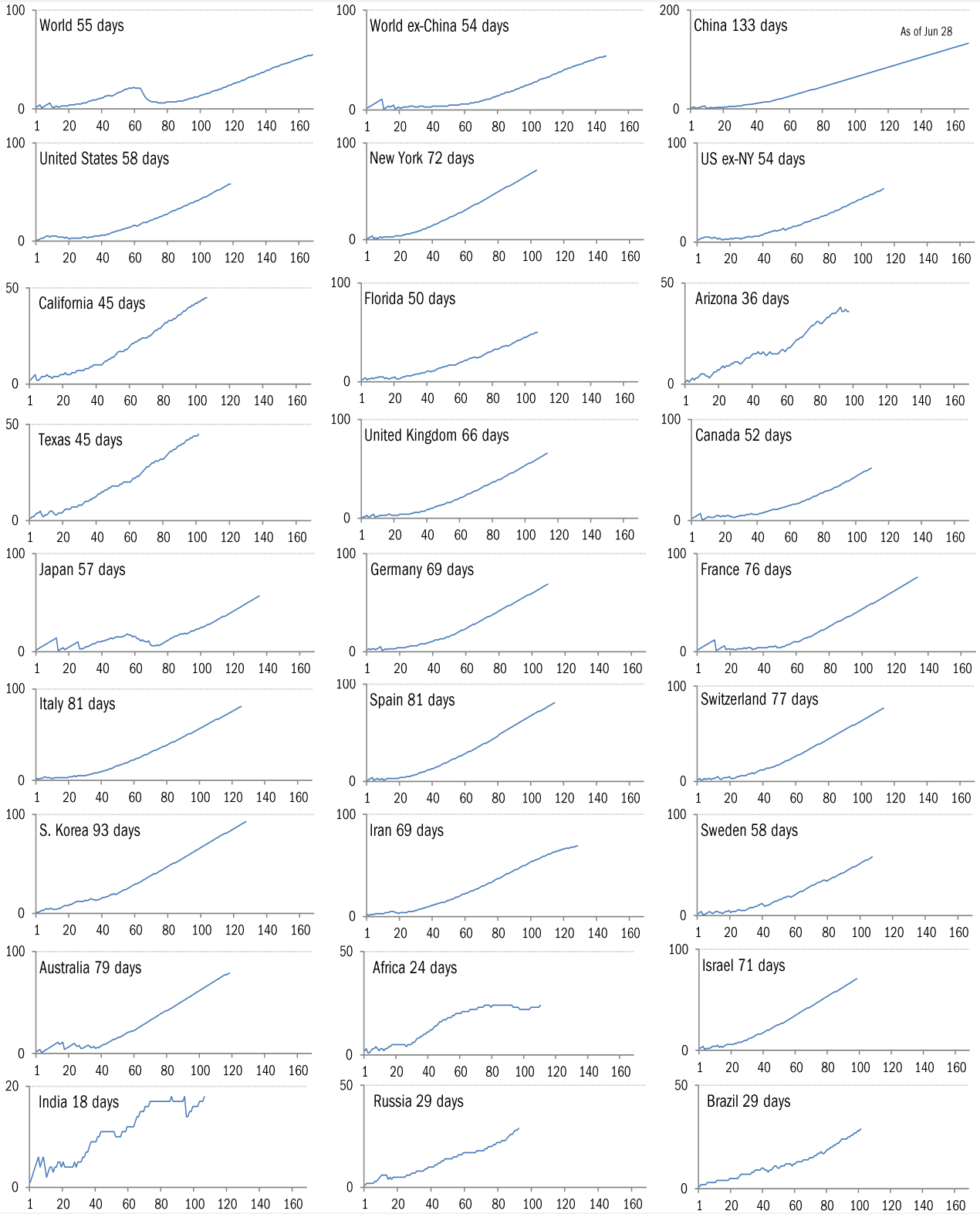
Share of deceased population from day of first fatality



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

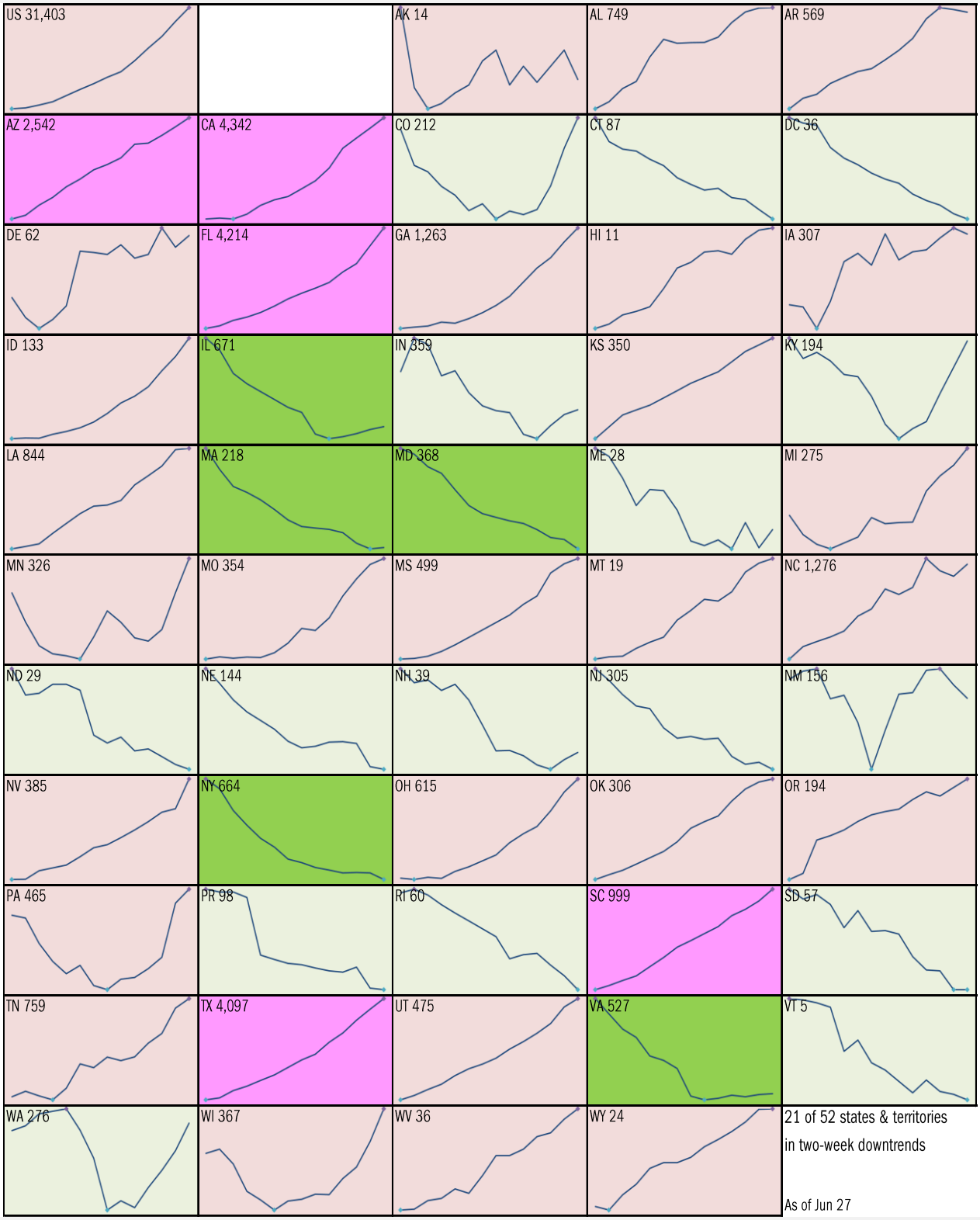


Source: ECDC, TrendMacro calculations

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

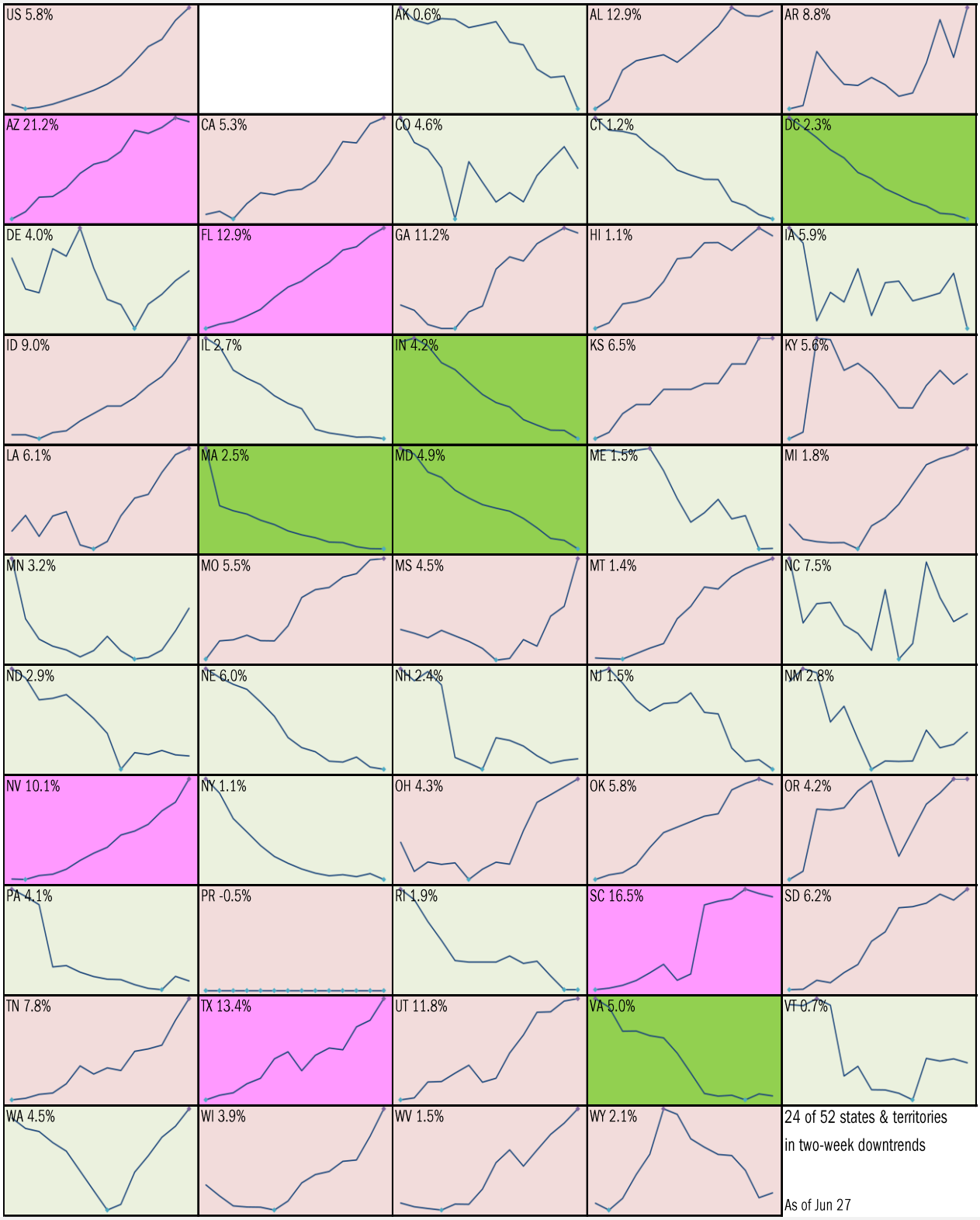


Source: Covid Tracking Project, TrendMacro calculations

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

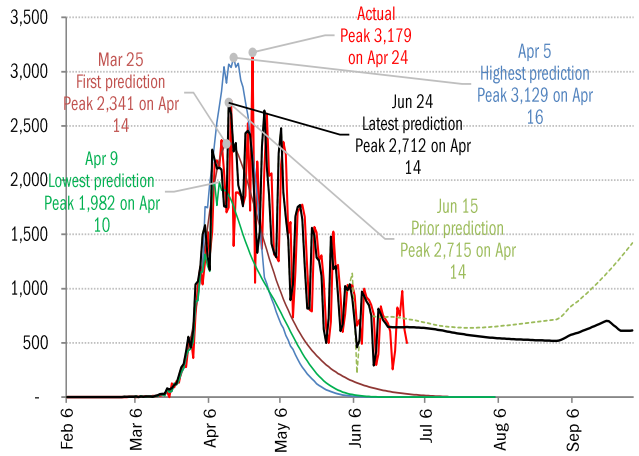


Source: Covid Tracking Project, TrendMacro calculations

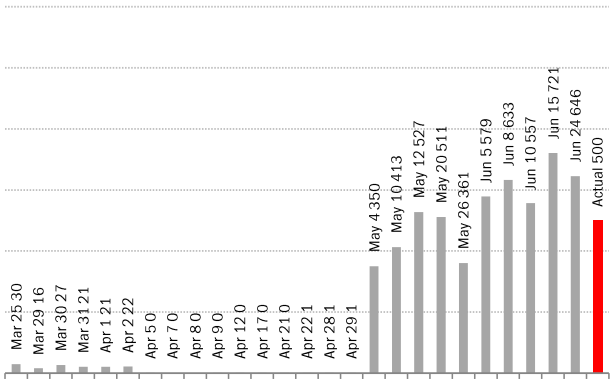
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Jun 28

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

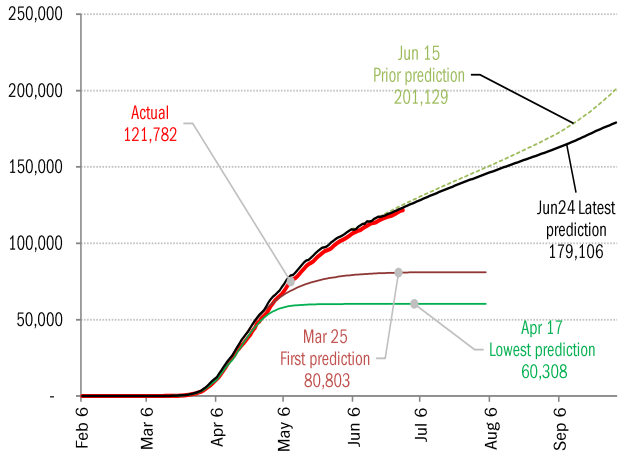


For this day, versus all model mean predictions

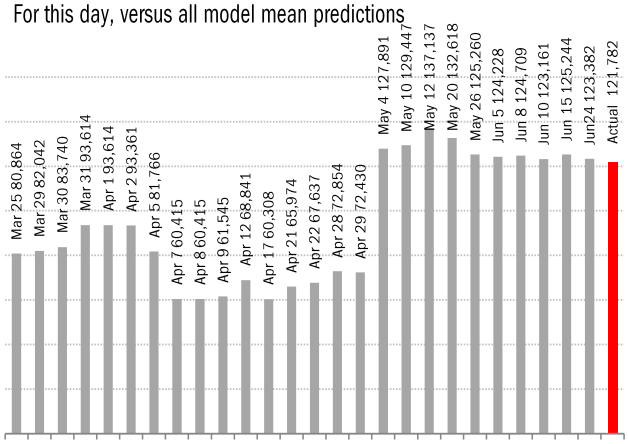


Cumulative fatalities

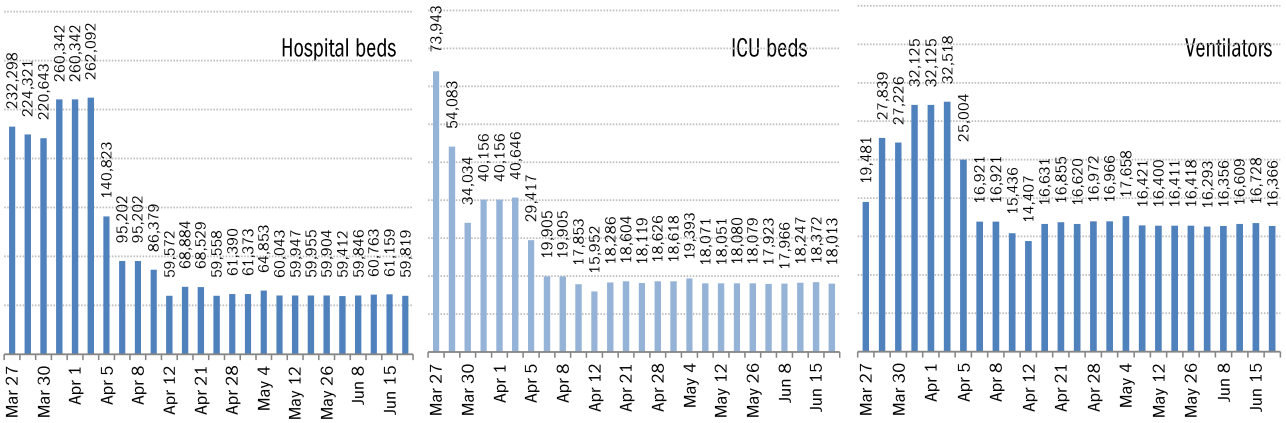
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

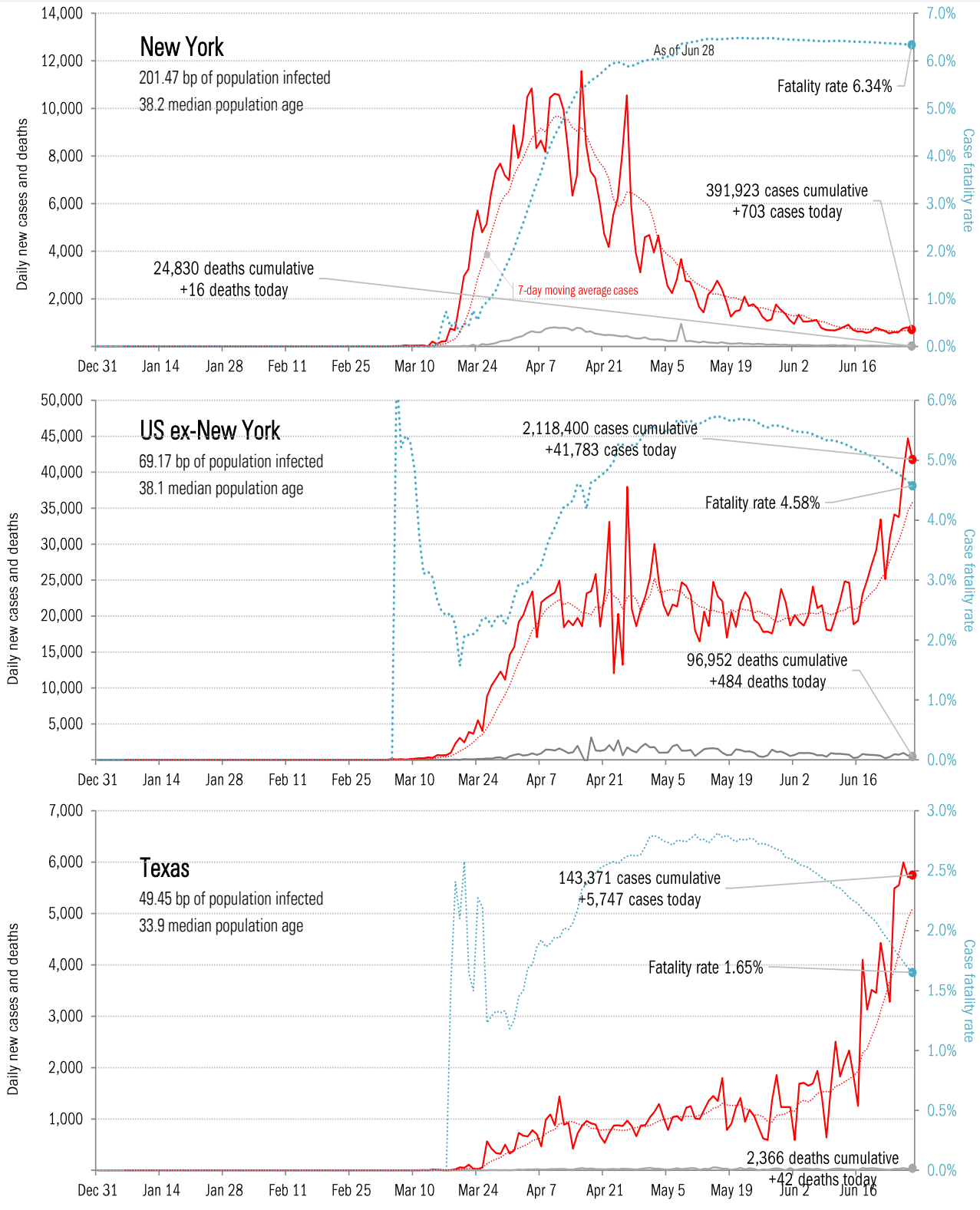


Healthcare system stress, peak estimated at each model revision



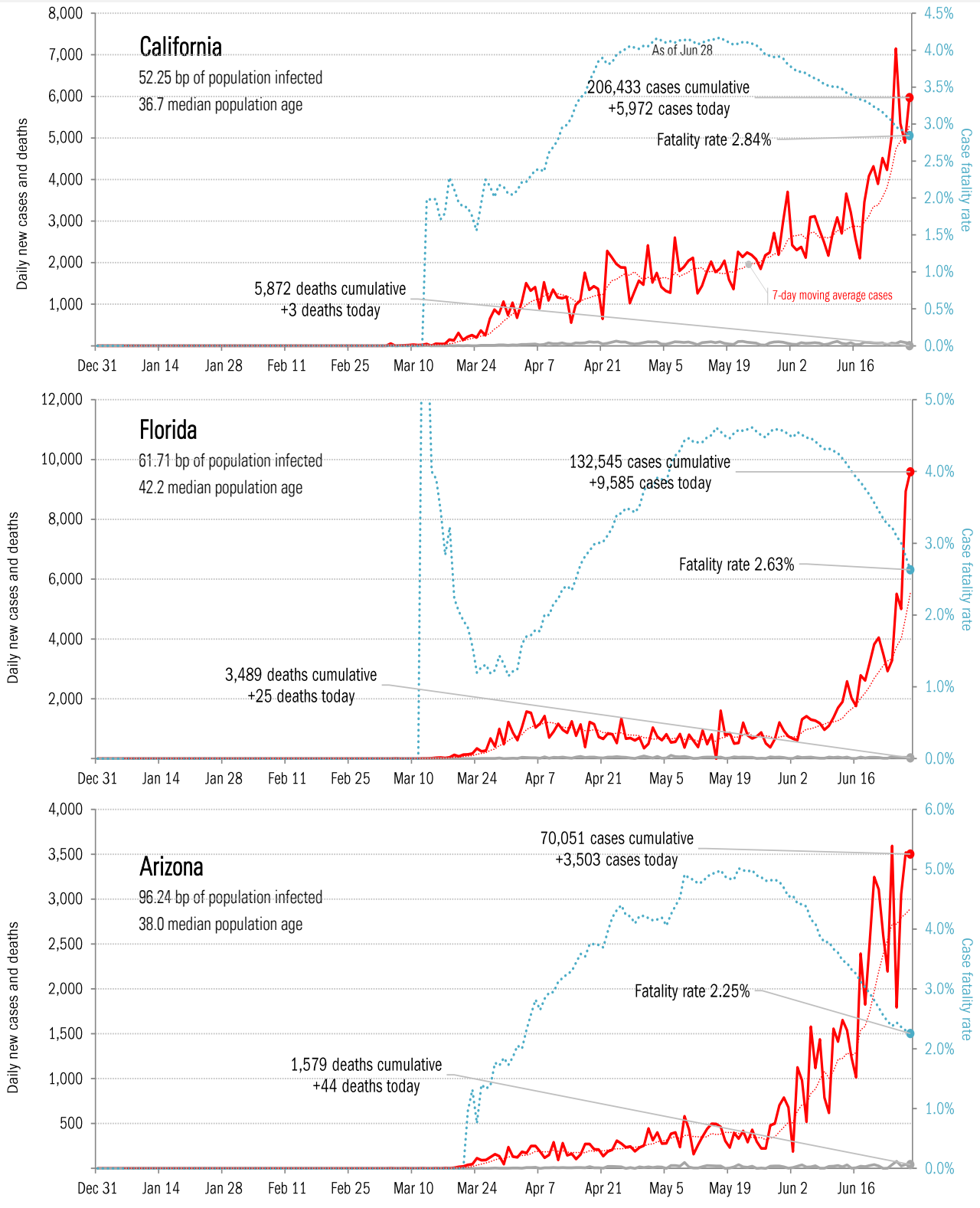
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



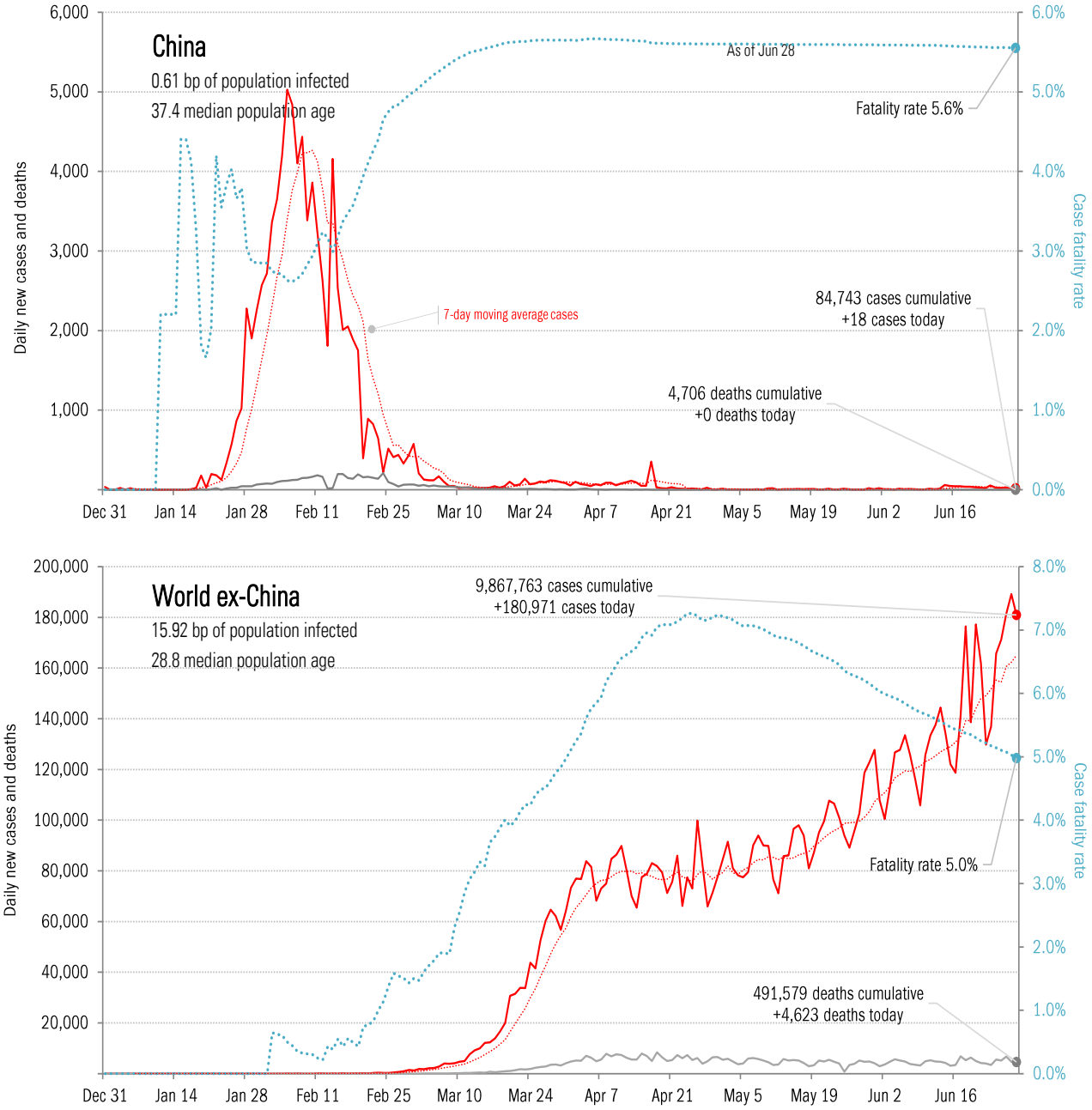
Source: ECDC, TrendMacro calculations

The “second wave” states (other than Texas)



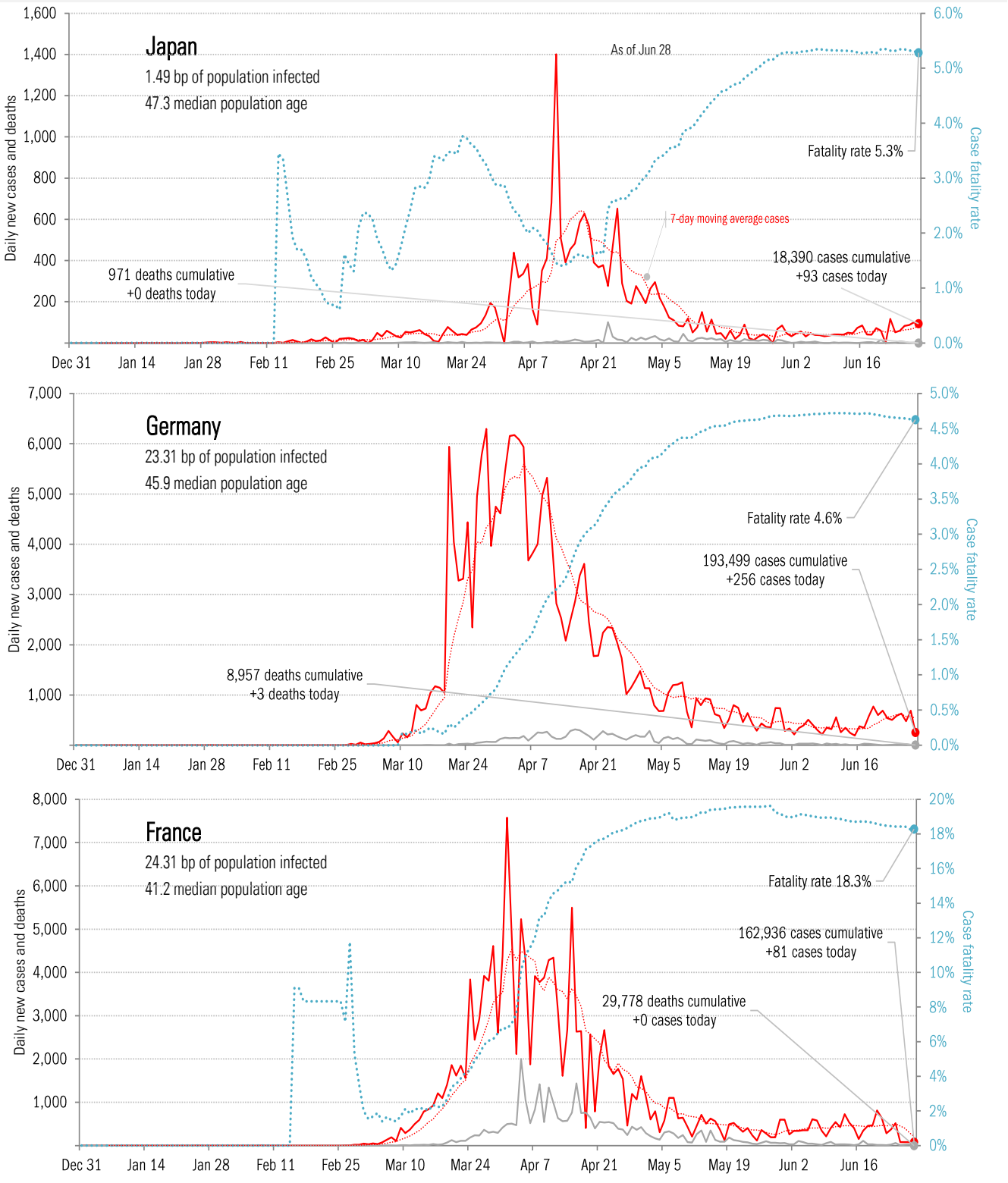
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



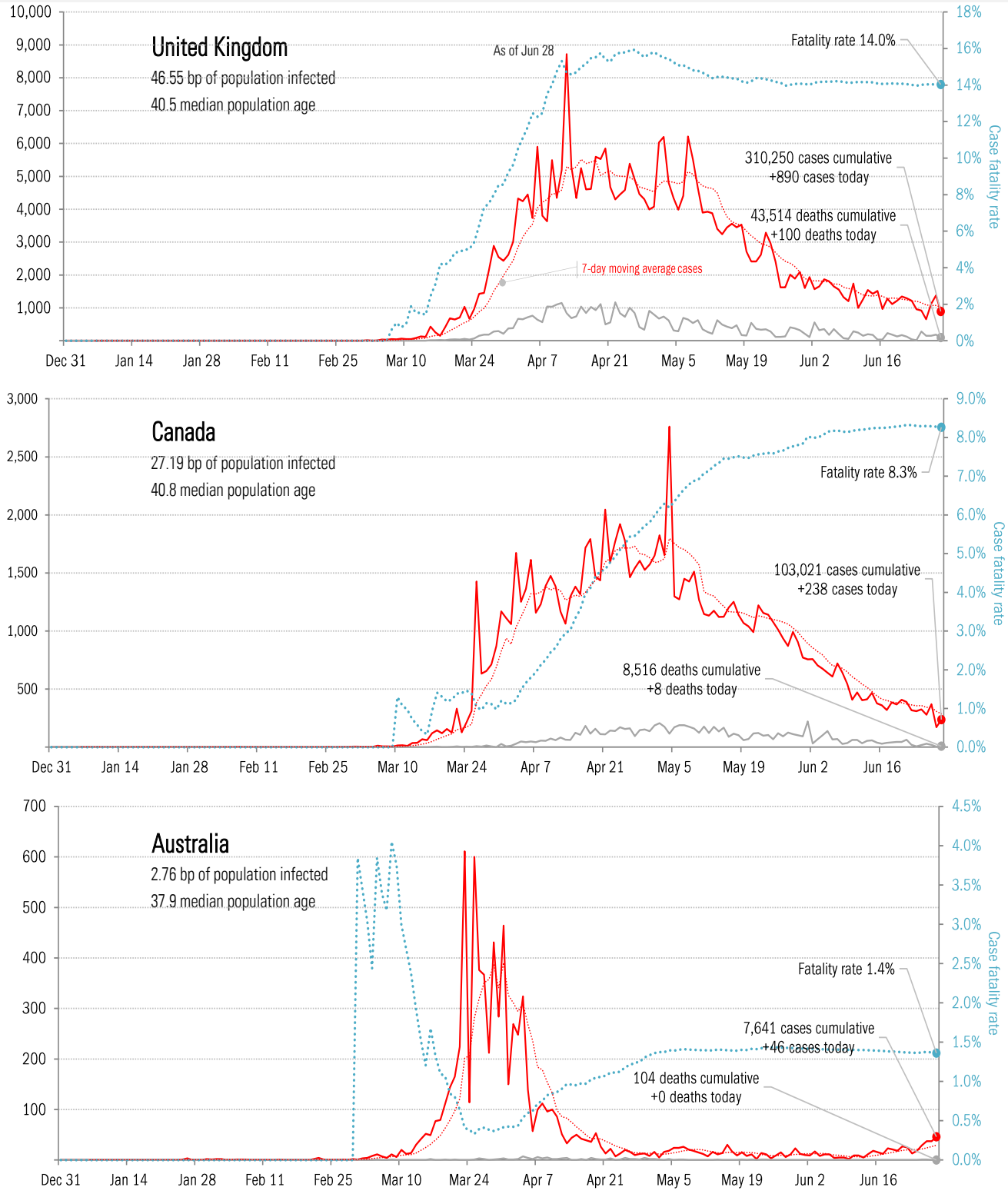
Source: ECDC, TrendMacro calculations

Impact in the largest economies



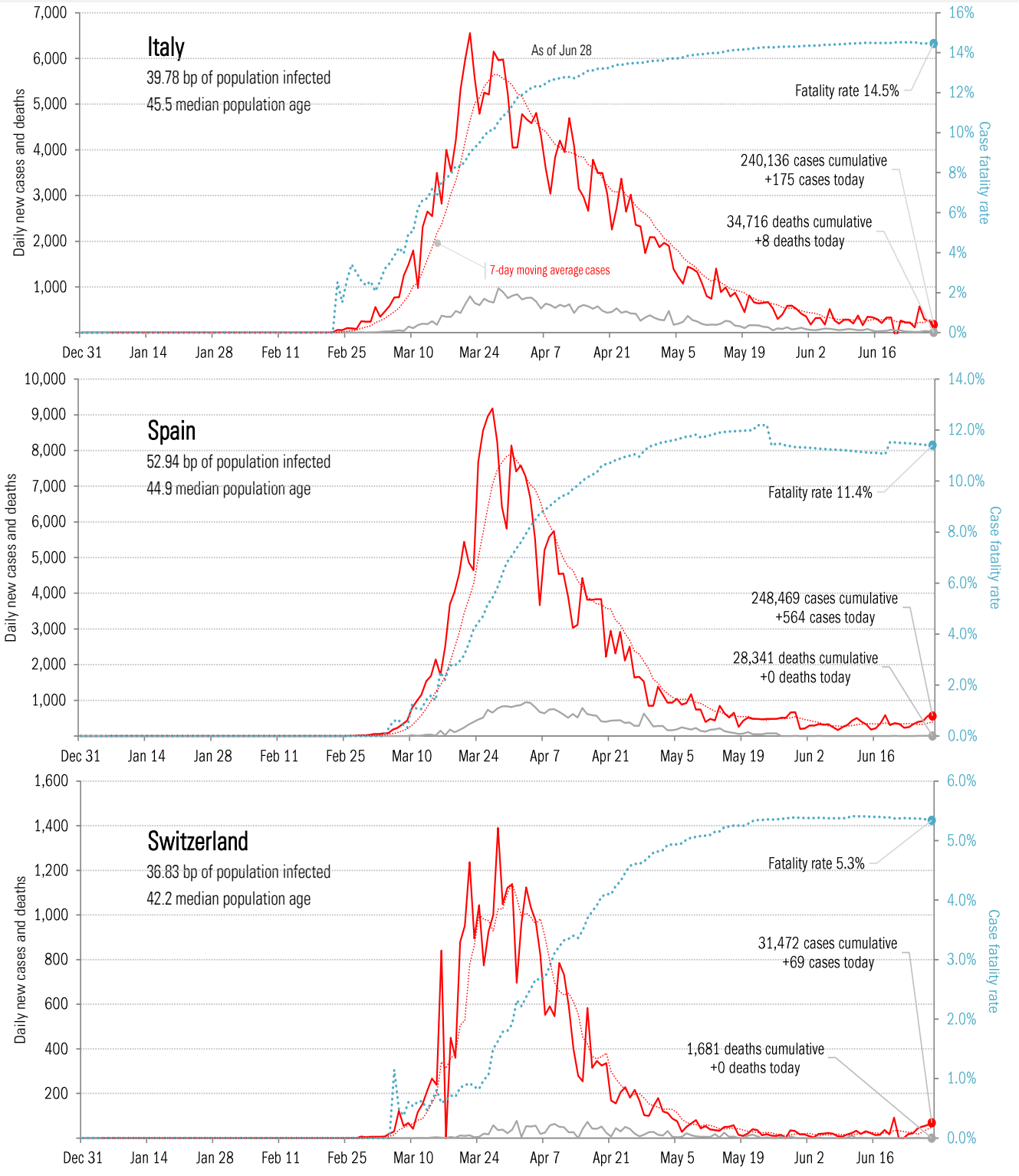
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



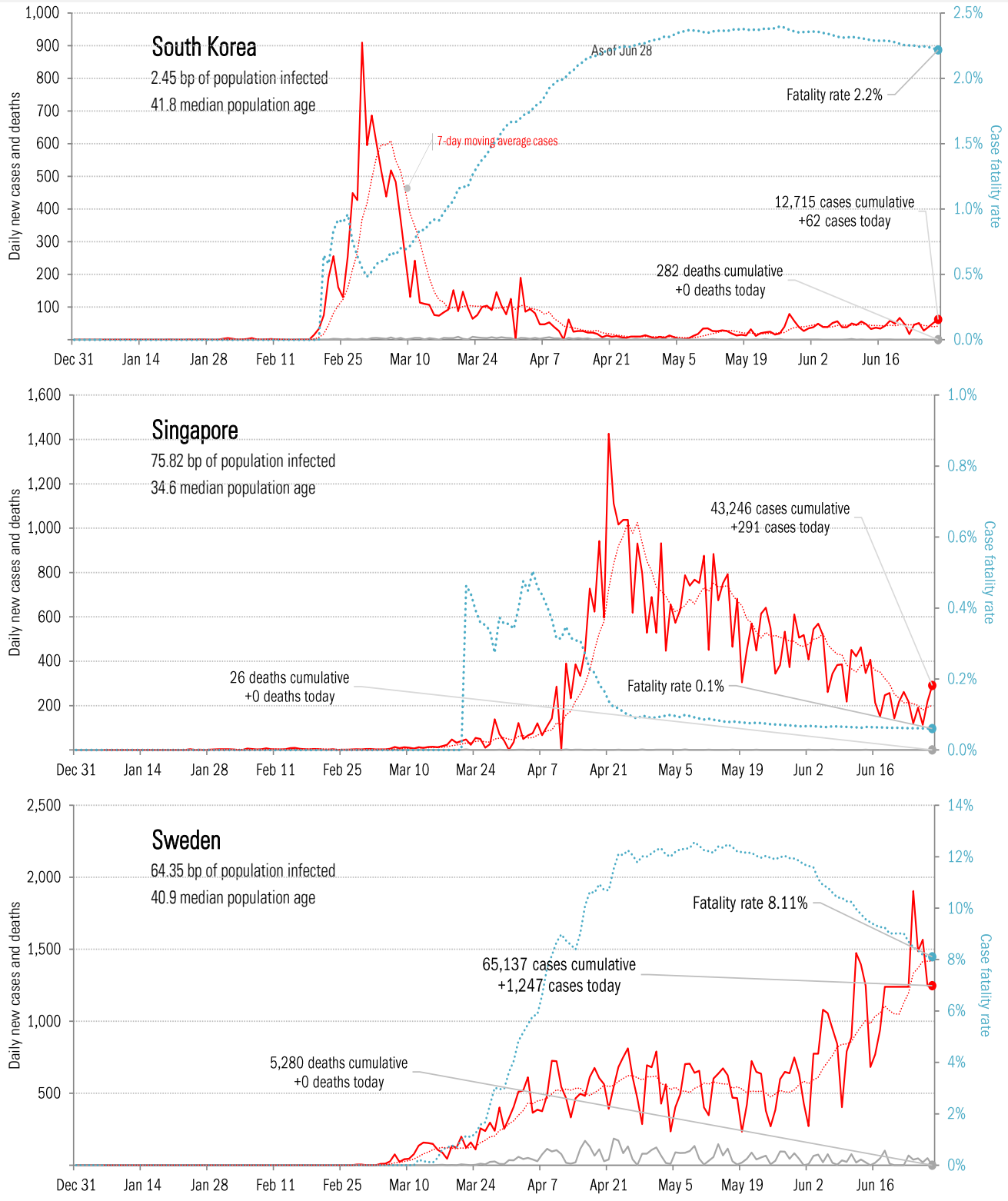
Source: ECDC, TrendMacro calculations

Impact in continental Europe



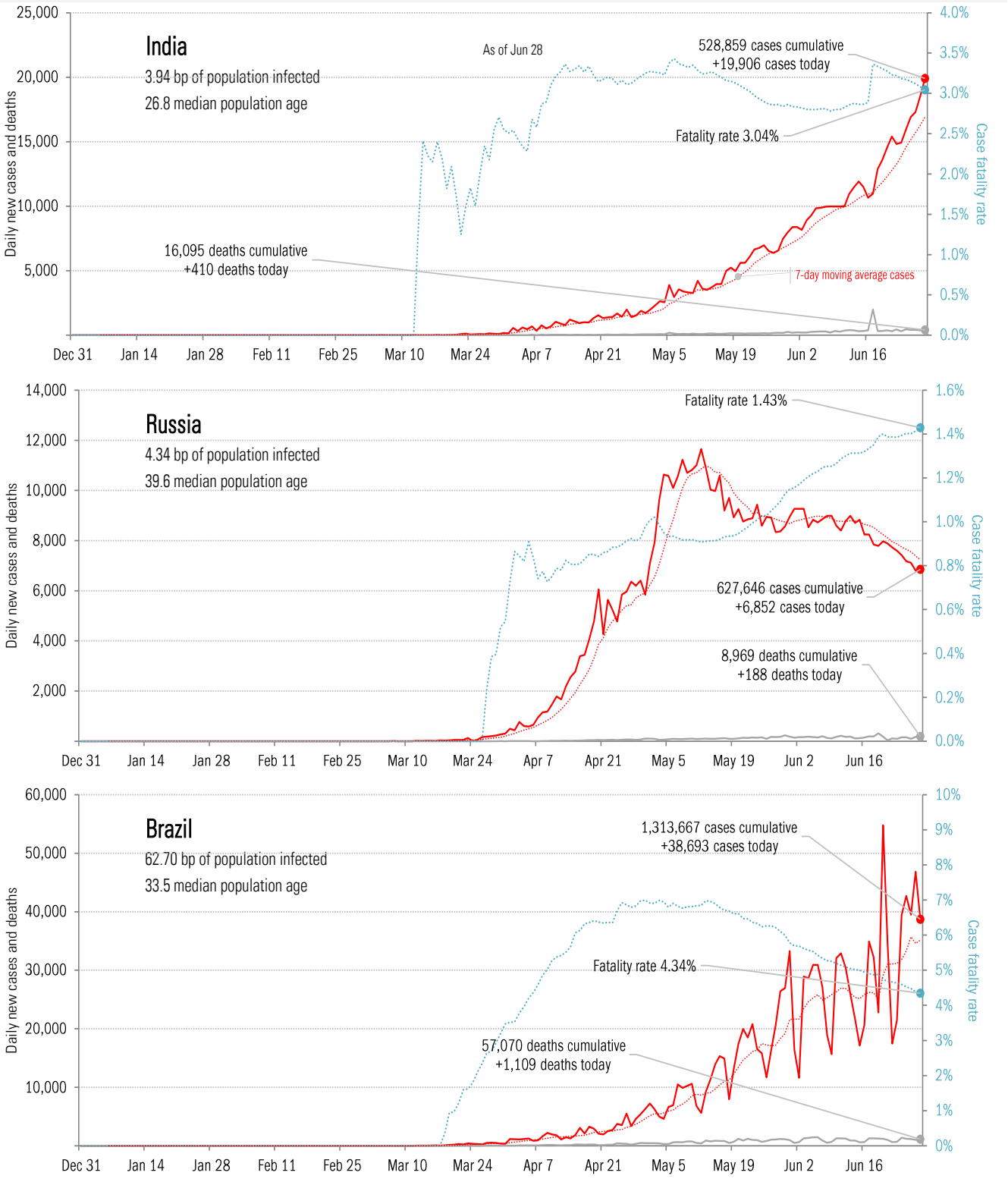
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



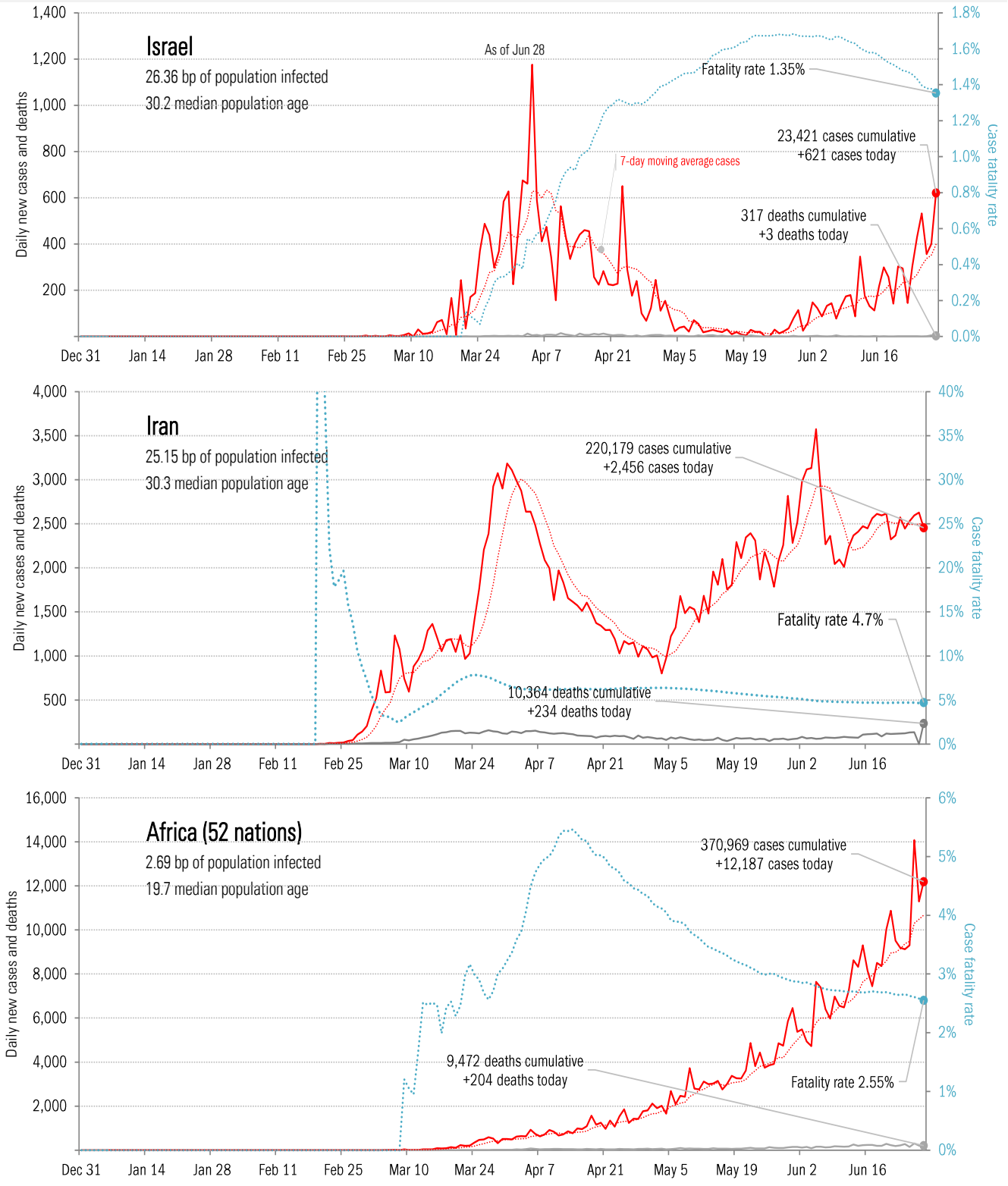
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations