Trend Macrolytics, LLC
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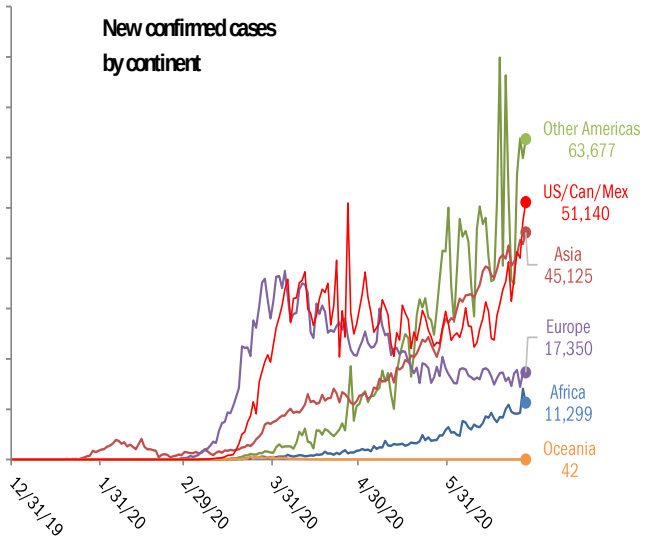
Data Insights: Covid-2019 Monitor

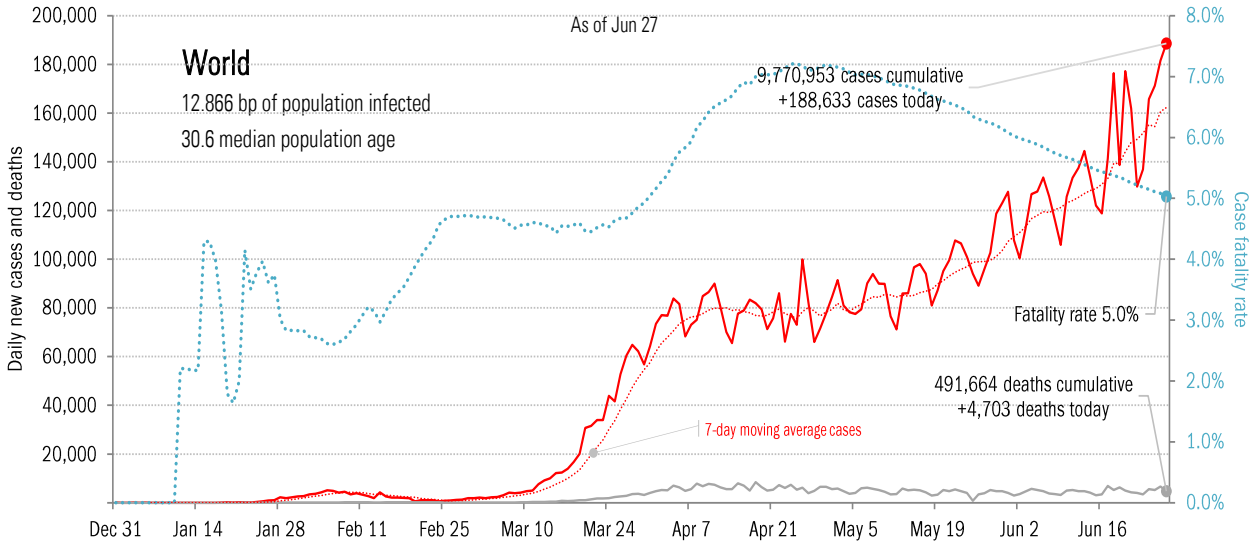
Saturday, June 27, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+46,860	Brazil	+990
US	+45,527	Mexico	+719
India	+18,552	US	+623
Russia	+6,800	India	+384
South_Africa	+6,215	UK	+184
Mexico	+5,441	Peru	+178
Chile	+4,296	Russia	+176
Saudi	+3,938	Chile	+165
Bangladesh	+3,868	Colombia	+157
Colombia	+3,843	Iraq	+122
	+145,340		+3,698
World	+188,633	World	+4,703
Top ten	77%	Top ten	79%





Source: ECDC, TrendMacro calculations

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The US scorecard

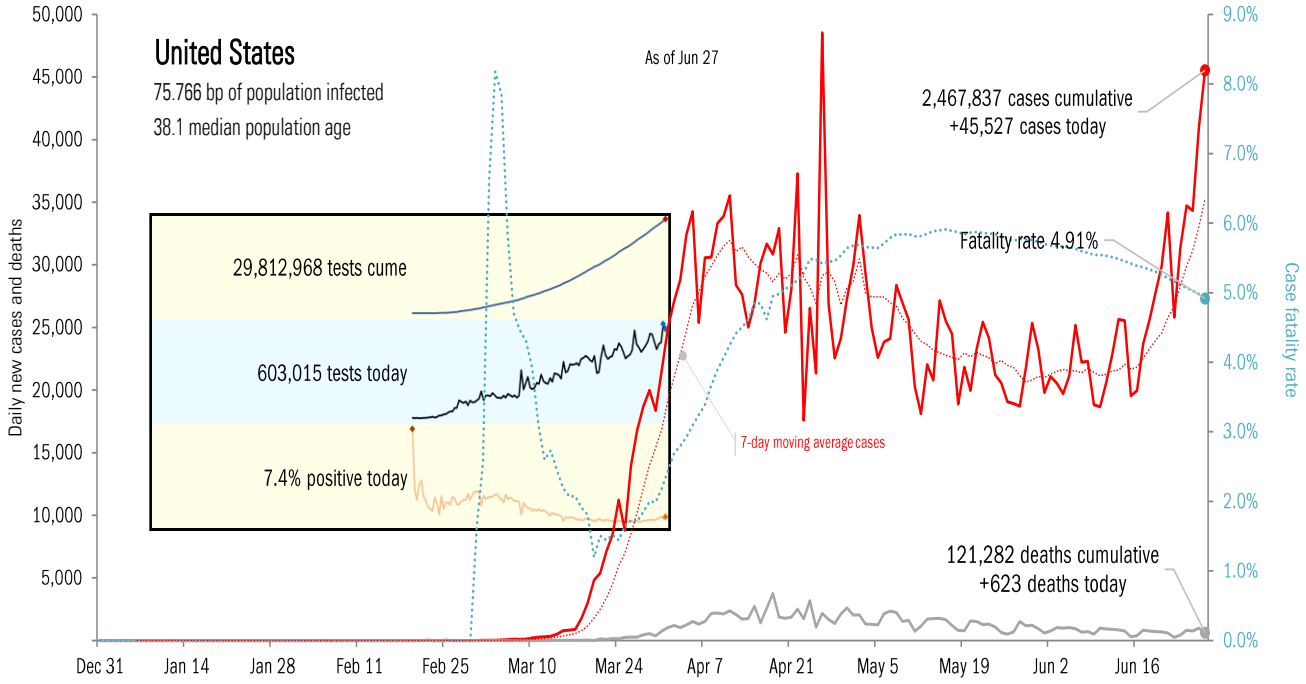
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Curre cases		Curre deaths		Curre in hospital	
FL	+8,942	CA	+79	SC	+245	NY	391,220	NY	24,814	NY	89,995
TX	+5,707	MA	+50	FL	+213	CA	200,461	NJ	14,914	NJ	19,752
CA	+4,890	AZ	+45	GA	+148	NJ	170,584	MA	8,013	FL	14,281
AZ	+3,518	NJ	+42	AZ	+108	IL	141,344	IL	7,048	MA	11,291
GA	+1,900	FL	+41	NJ	+84	TX	137,624	PA	6,579	MD	10,725
NC	+1,635	IL	+34	OH	+68	FL	122,960	MI	6,134	GA	10,605
TN	+1,410	TX	+28	TN	+67	MA	108,070	CA	5,812	CT	10,268
LA	+1,354	LA	+26	OK	+57	PA	84,370	CT	4,307	VA	8,722
SC	+1,313	GA	+25	AR	+55	GA	72,995	FL	3,464	OH	7,570
OH	+987	VA	+25	VA	+50	MI	69,329	LA	3,190	IN	6,944
	+31,656		+395		+1,095		1,498,957		84,275		190,153
All states	+44,373	All states	+619	All states	+1,526	All states	2,455,351	All states	118,650	All states	238,519
Top ten	71%	Top ten	64%	Top ten	72%	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	
AR	-687	NJ	-1,835	CT	-169	TX	+1,786
MS	-542	CA	-22	MN	-23	SC	+1,139
CA	-459	GA	-22	WA	-13	WI	+617
TX	-289	TX	-19	RI	-11	TN	+473
AL	-165	MI	-18	MS	-6	PA	+468



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

Recommended reading

[Cuomo's Covid Chutzpah]
Wall Street Journal
June 26, 2020

[I'm Leaving Seattle for Texas So My Employees Can Be Free]
Peter Rex
Wall Street Journal
June 26, 2020

[A Wolf in Emergency Clothing]
Allen C. Guelzo
Wall Street Journal
June 25, 2020

[CDC: Coronavirus may have infected 10 times more Americans than known]
Reid Wilson
The Hill
June 25, 2020

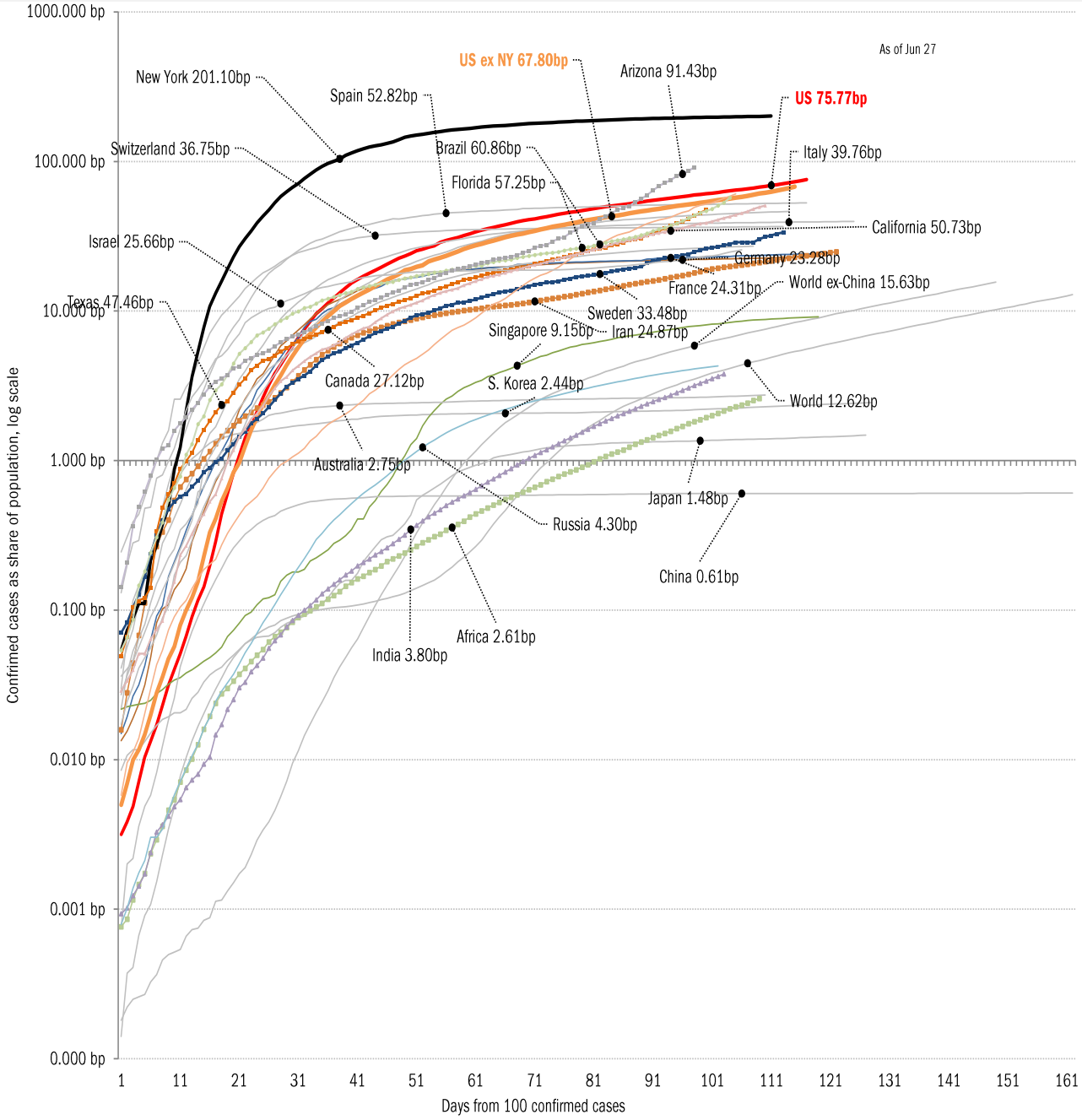
[Using influenza surveillance networks to estimate state-specific prevalence of SARS-CoV-2 in the United States]
Justin D. Silverman et al.
Science Translational Medicine
June 22, 2020

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

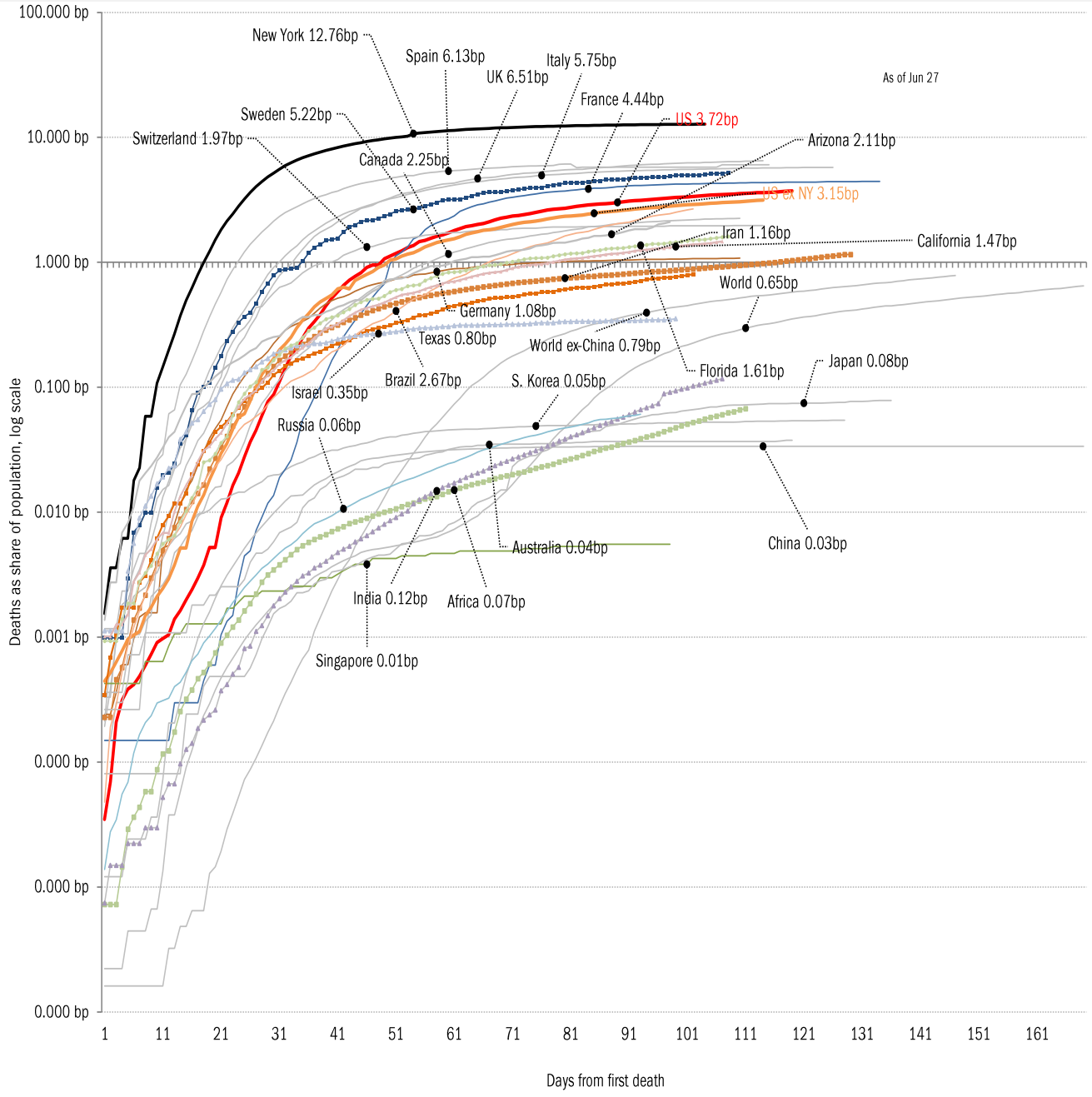
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

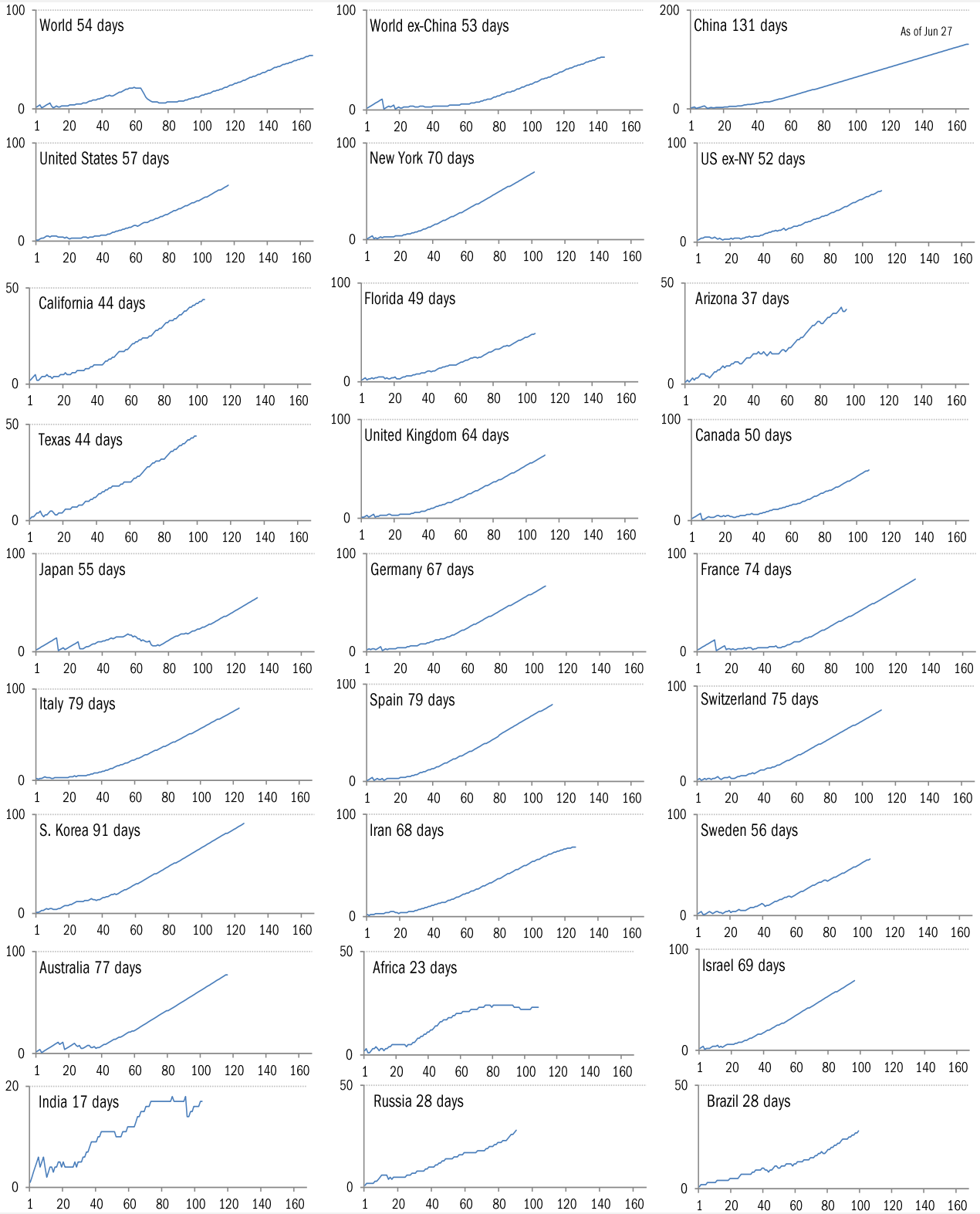
Share of deceased population from day of first fatality



Source: ECDC, TrendMacro calculations

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

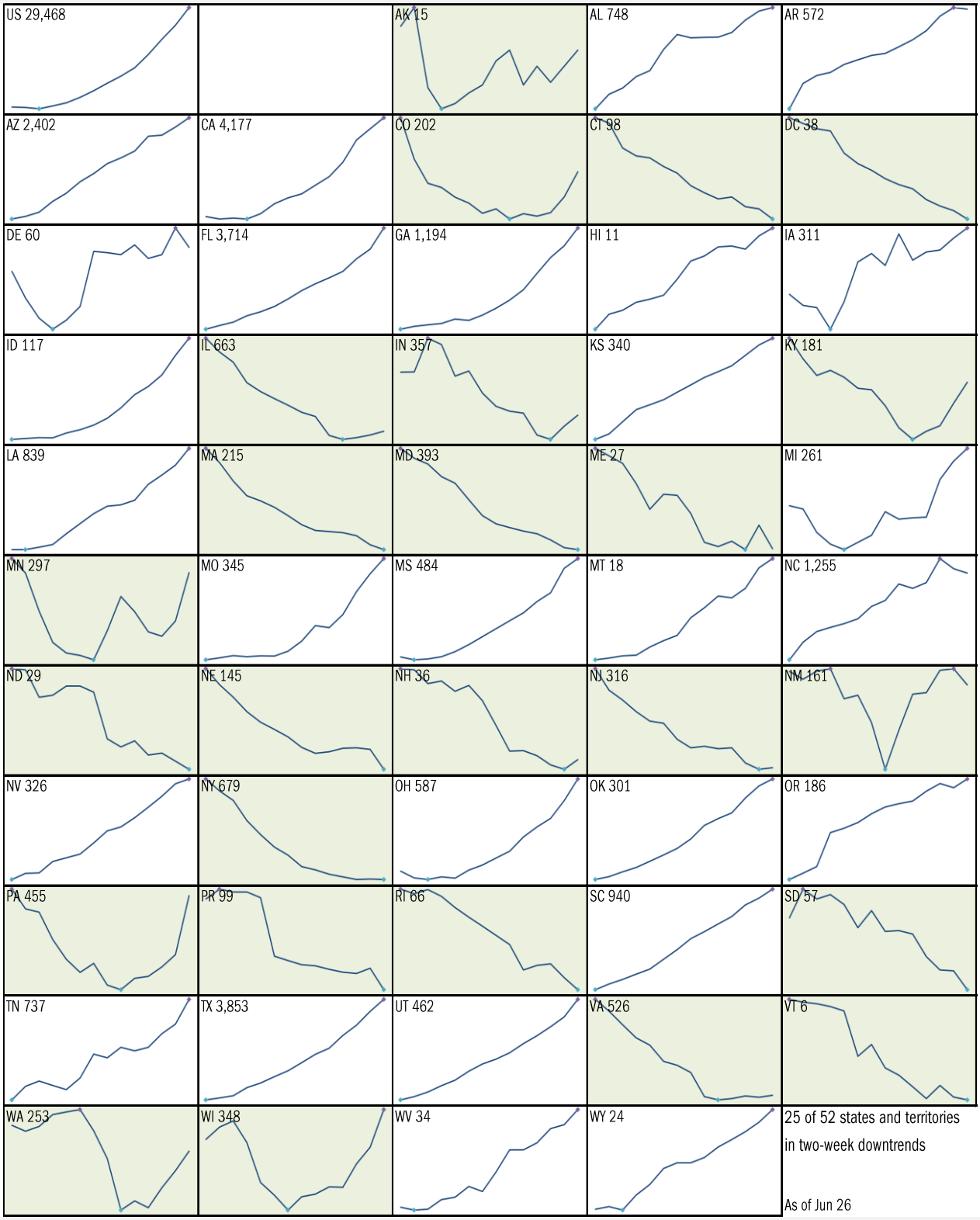
Vertical: number of days it takes to double deaths Horizontal: days from first death



Source: ECDC, TrendMacro calculations

Requirement to Open Up America Again: ■ 14-day "downward trajectory" in new cases

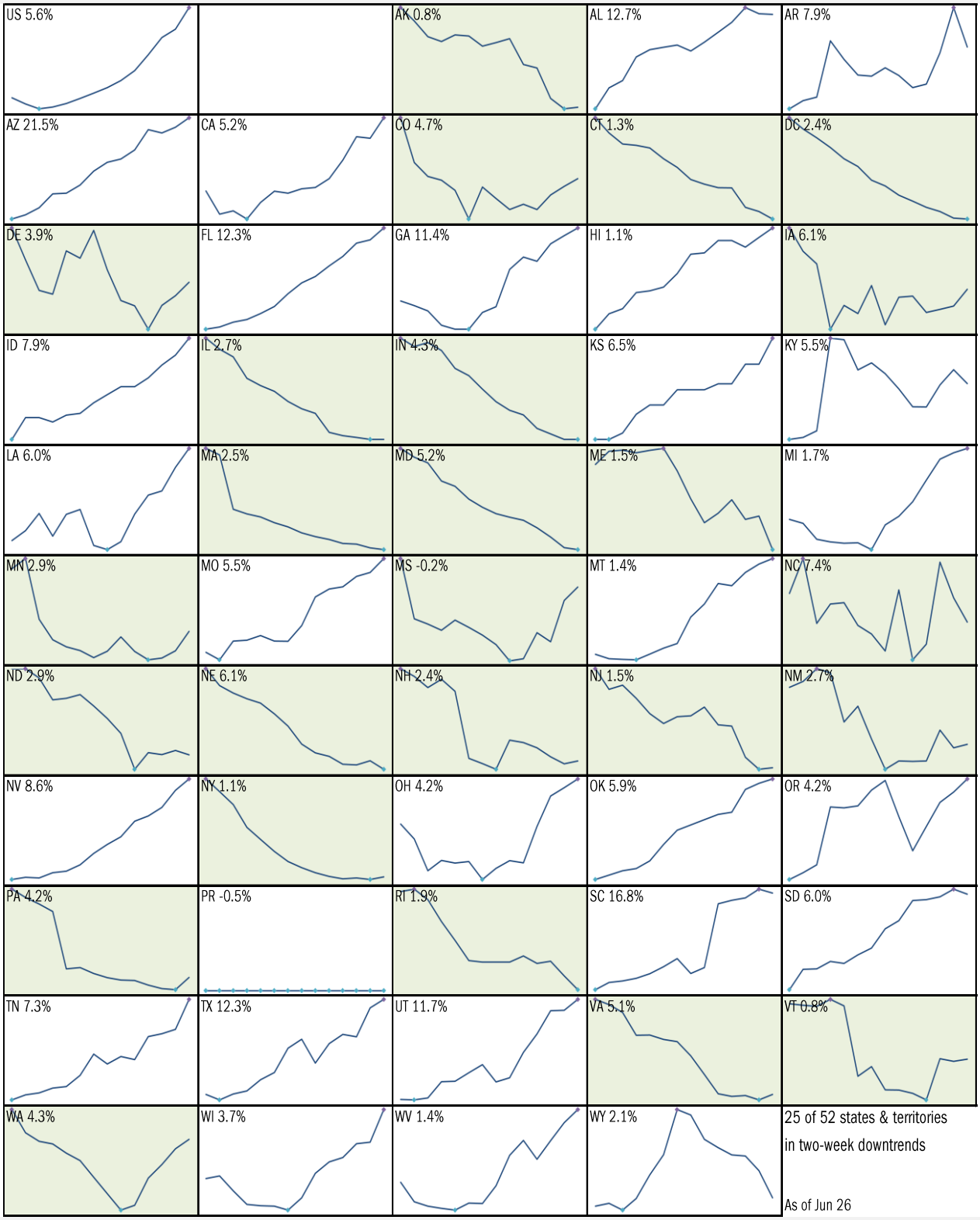
14-day moving average, last 14 days Most recent value displayed • High • Low



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

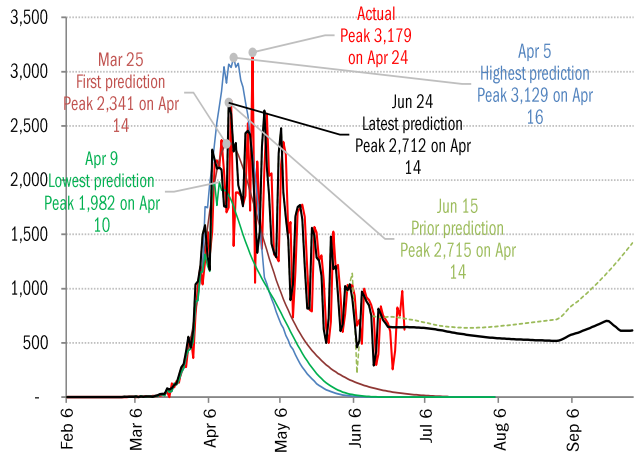


Source: Covid Tracking Project, TrendMacro calculations

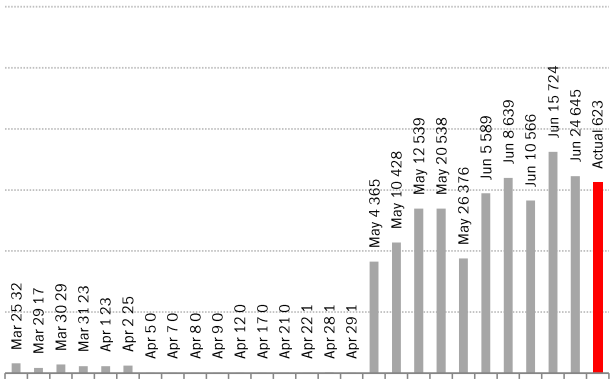
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Jun 27

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

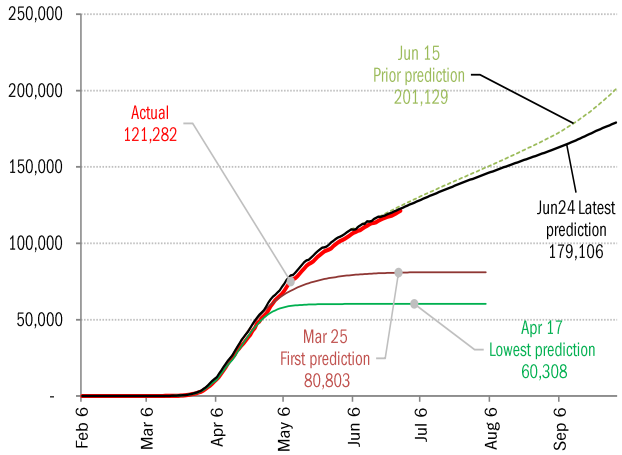


For this day, versus all model mean predictions

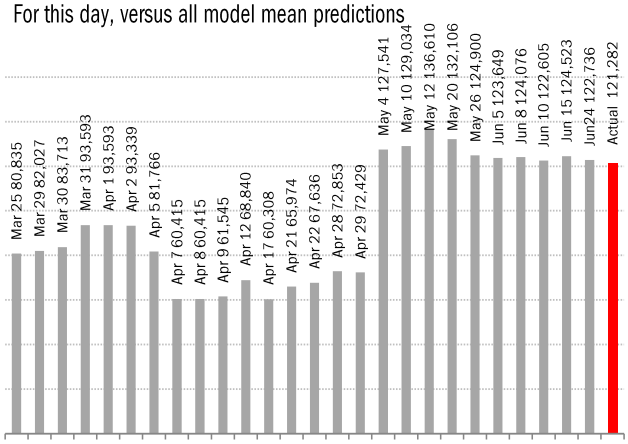


Cumulative fatalities

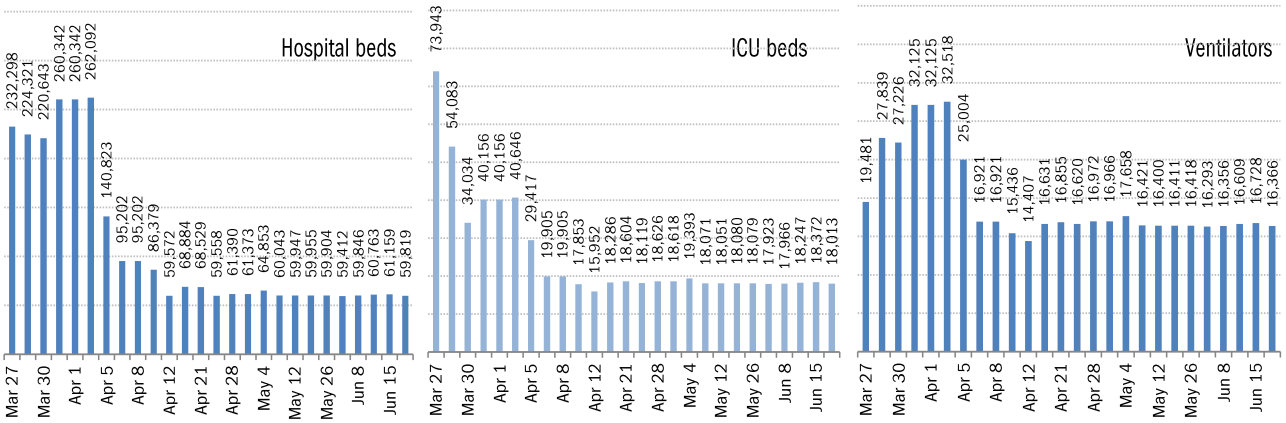
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

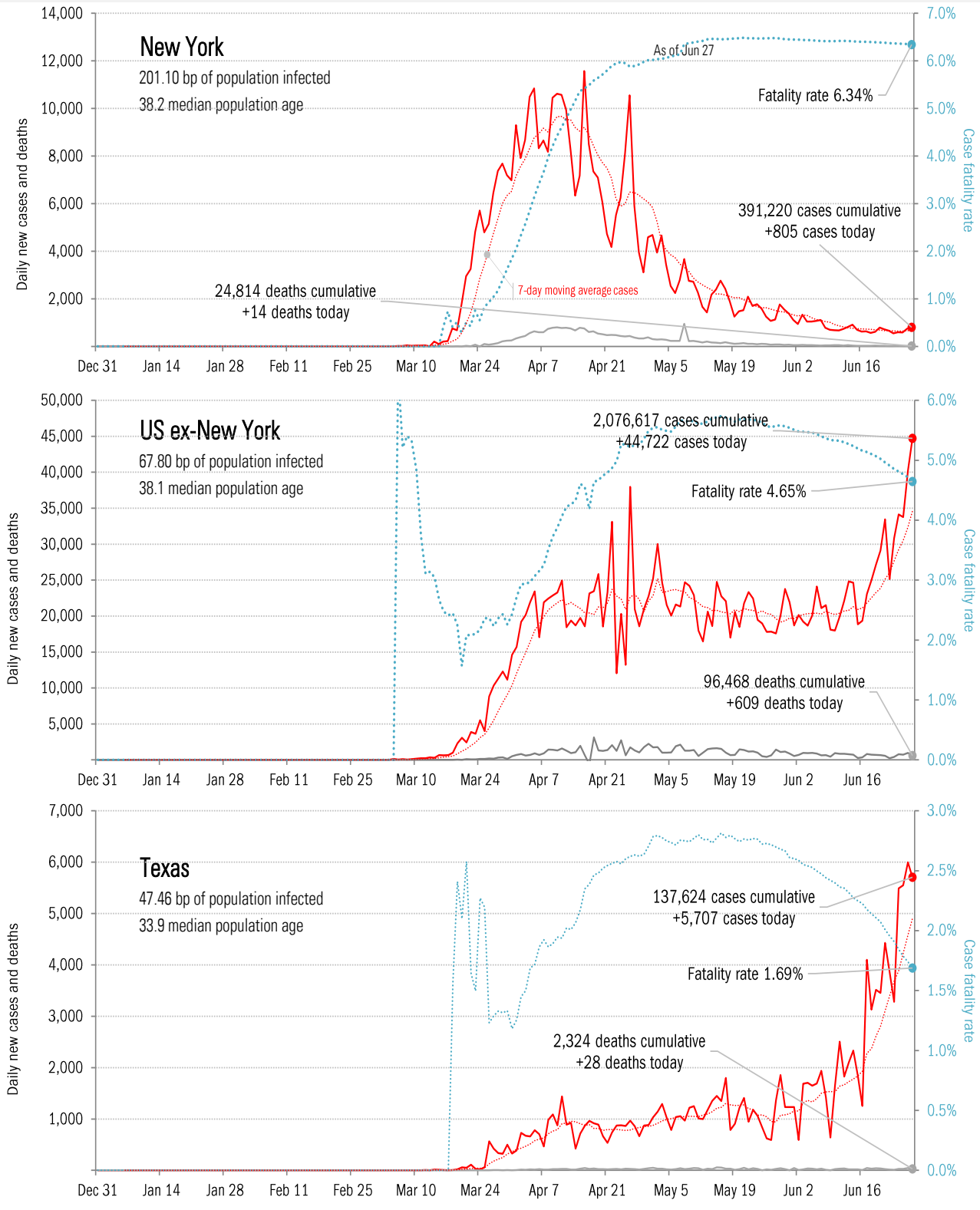


Healthcare system stress, peak estimated at each model revision



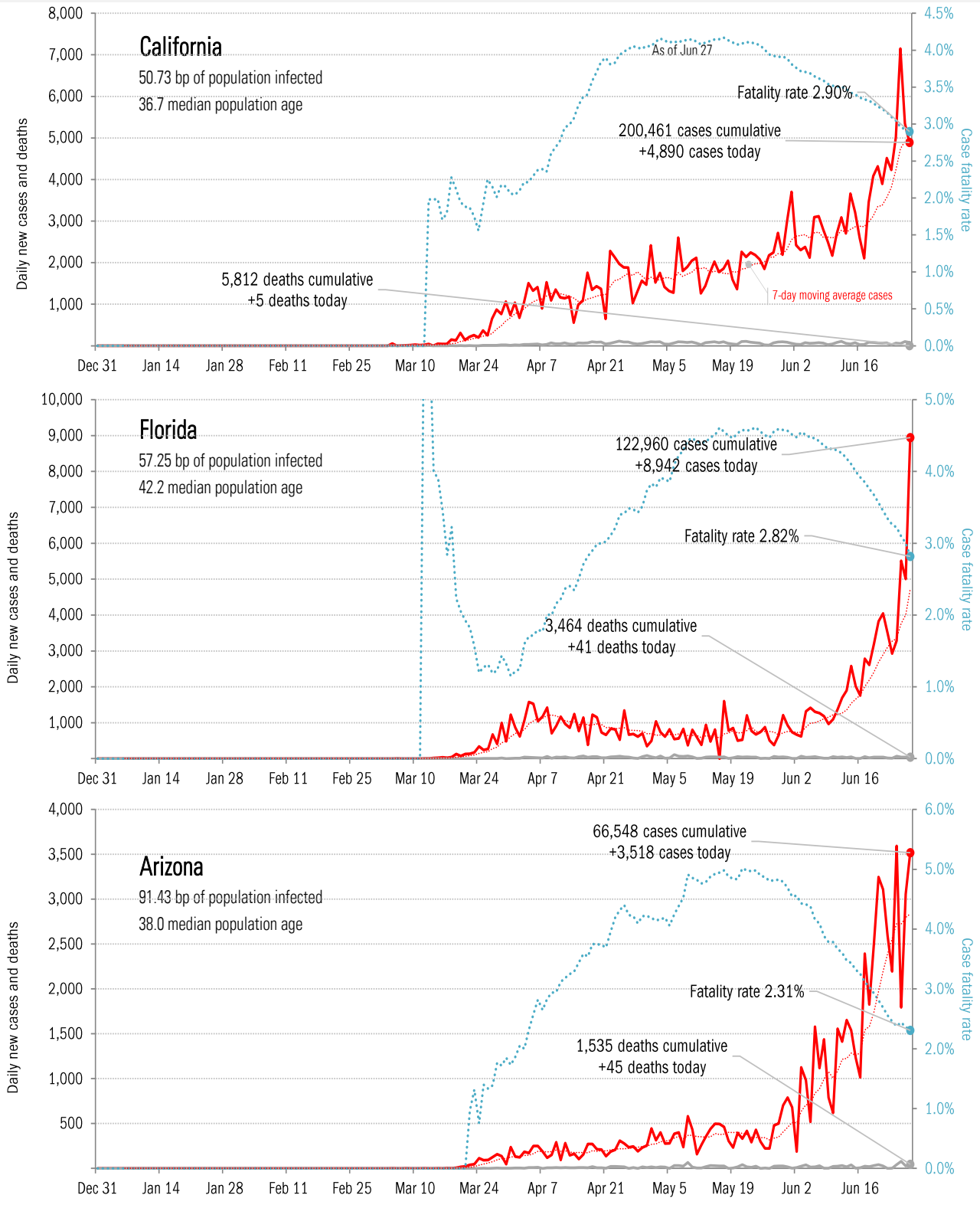
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



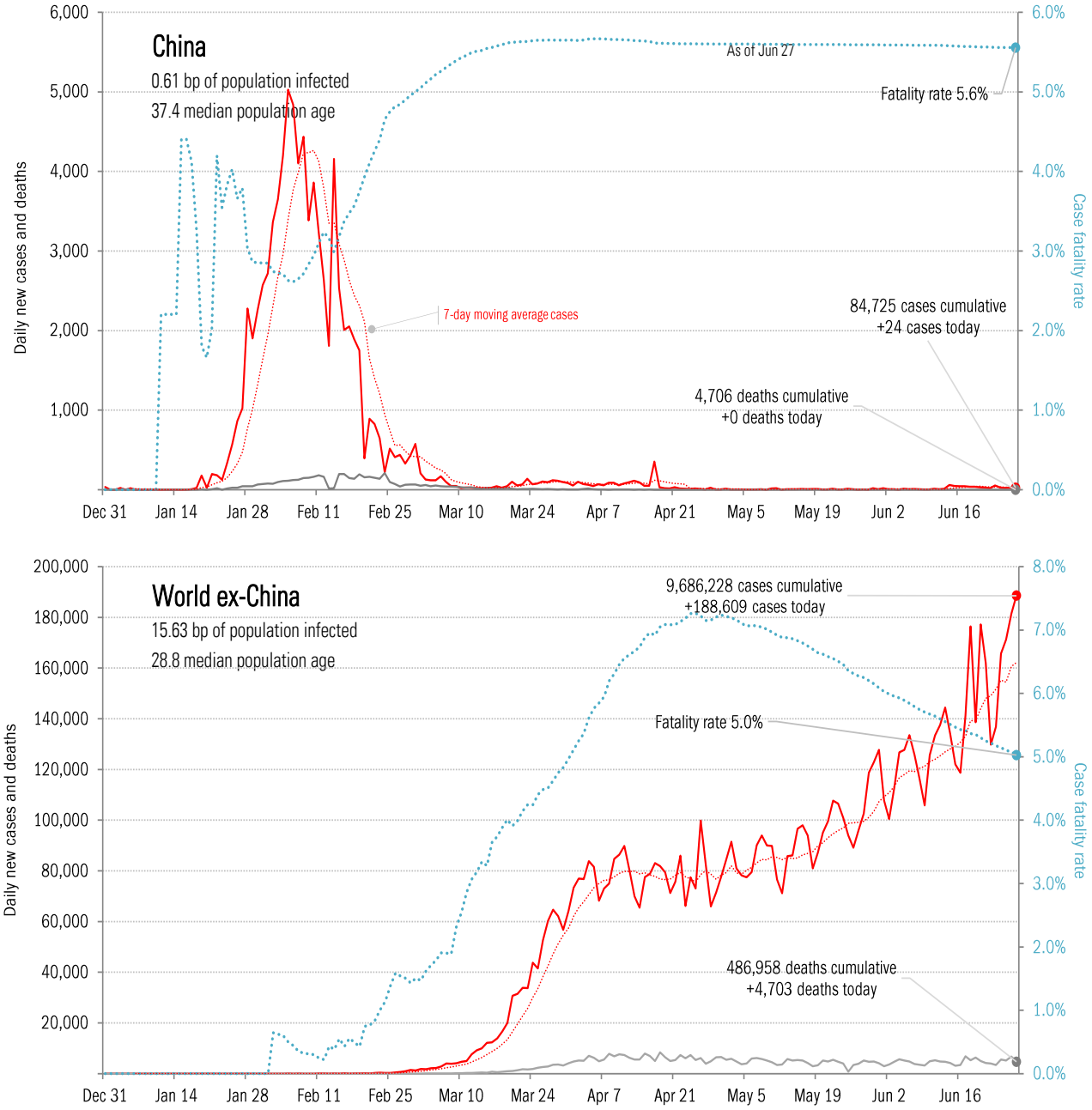
Source: ECDC, TrendMacro calculations

The “second wave” states (other than Texas)



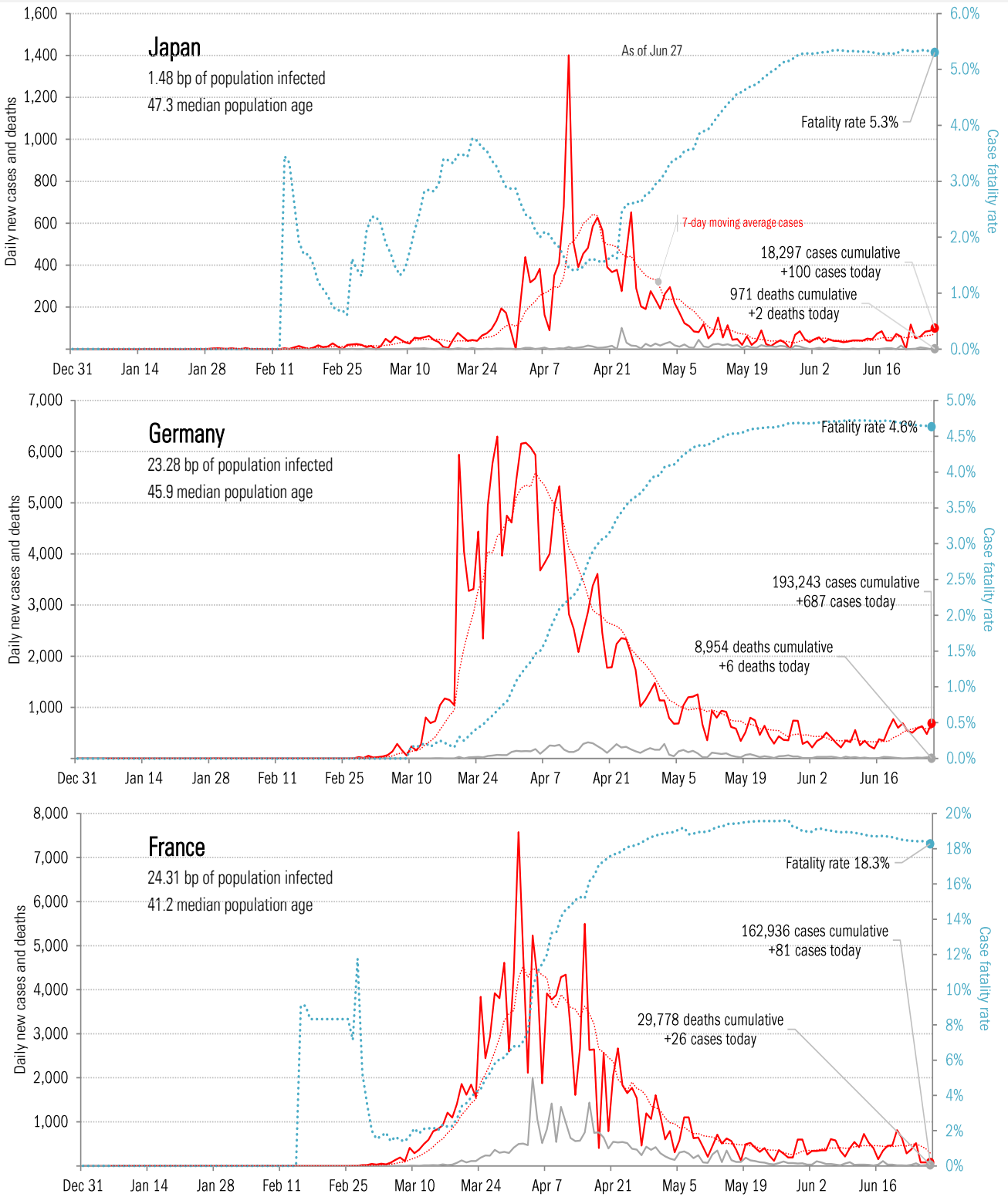
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



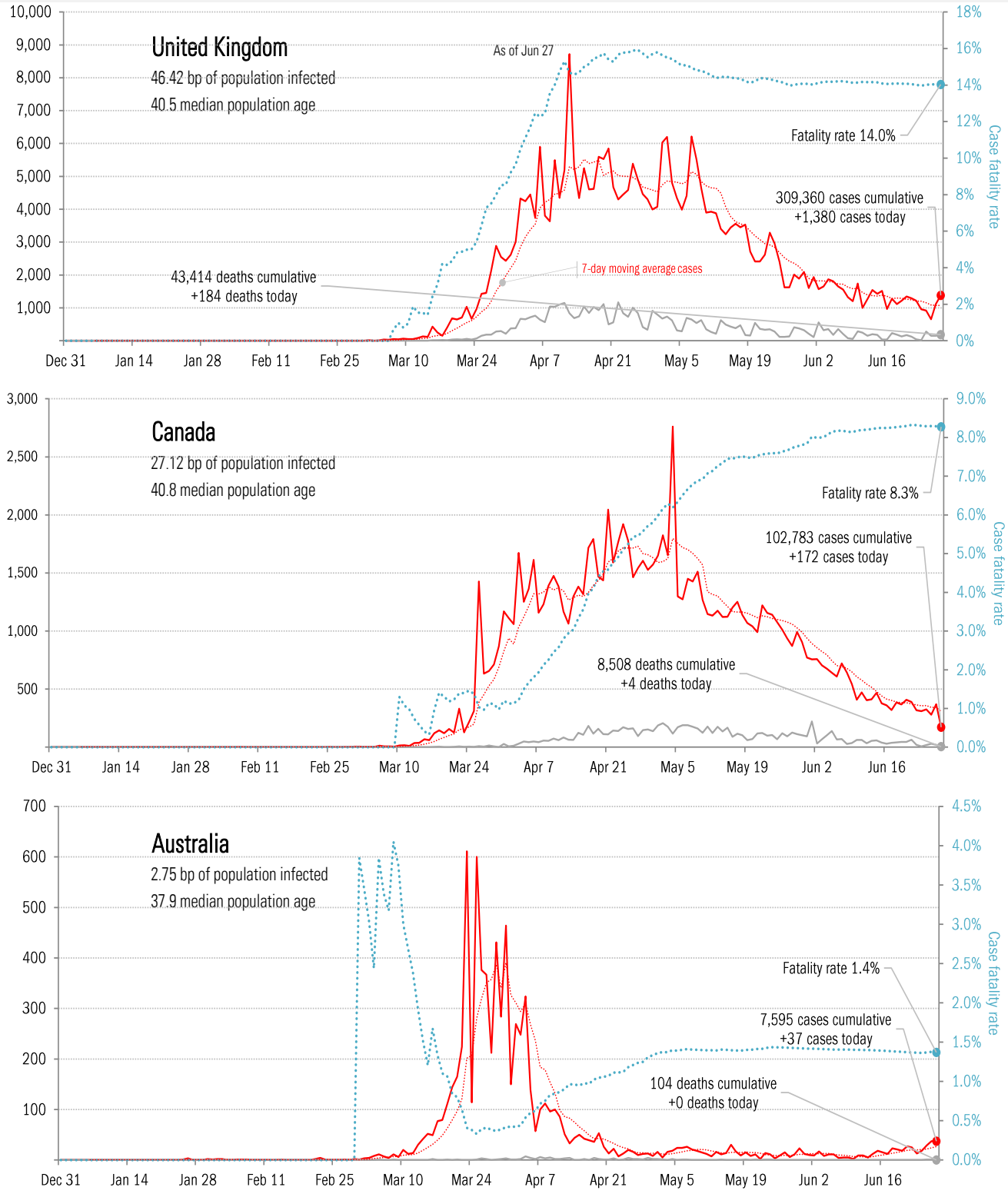
Source: ECDC, TrendMacro calculations

Impact in the largest economies



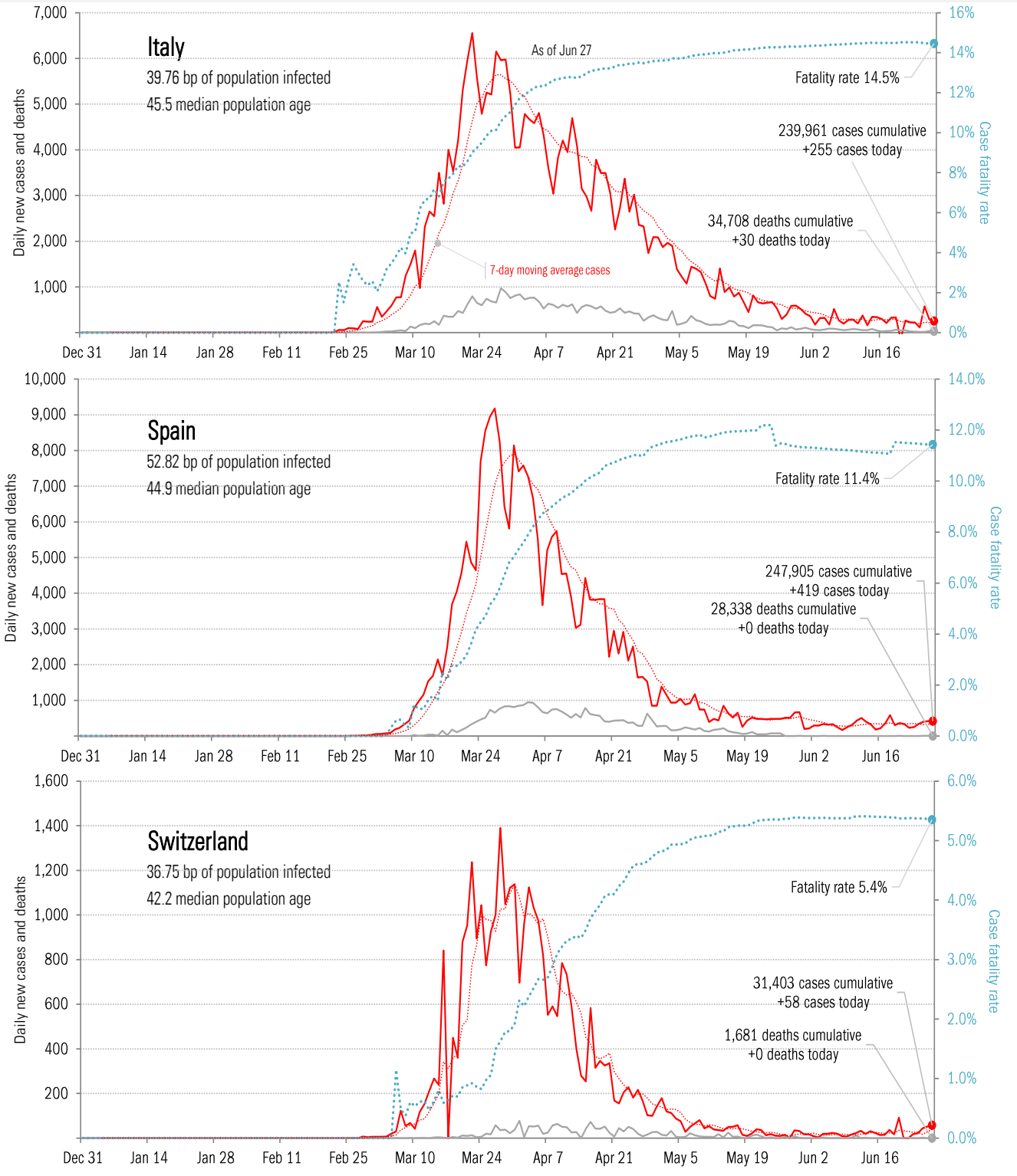
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



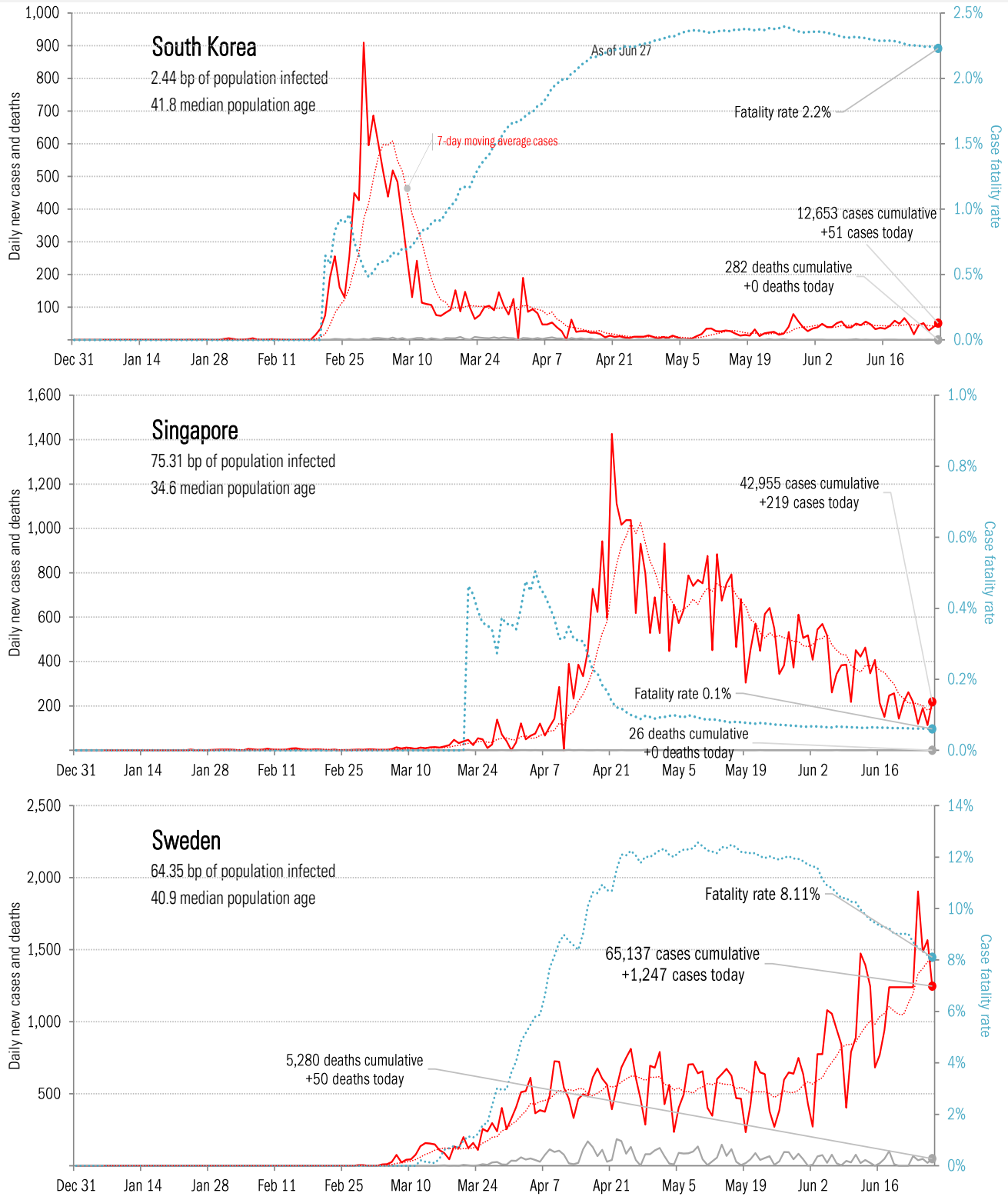
Source: ECDC, TrendMacro calculations

Impact in continental Europe



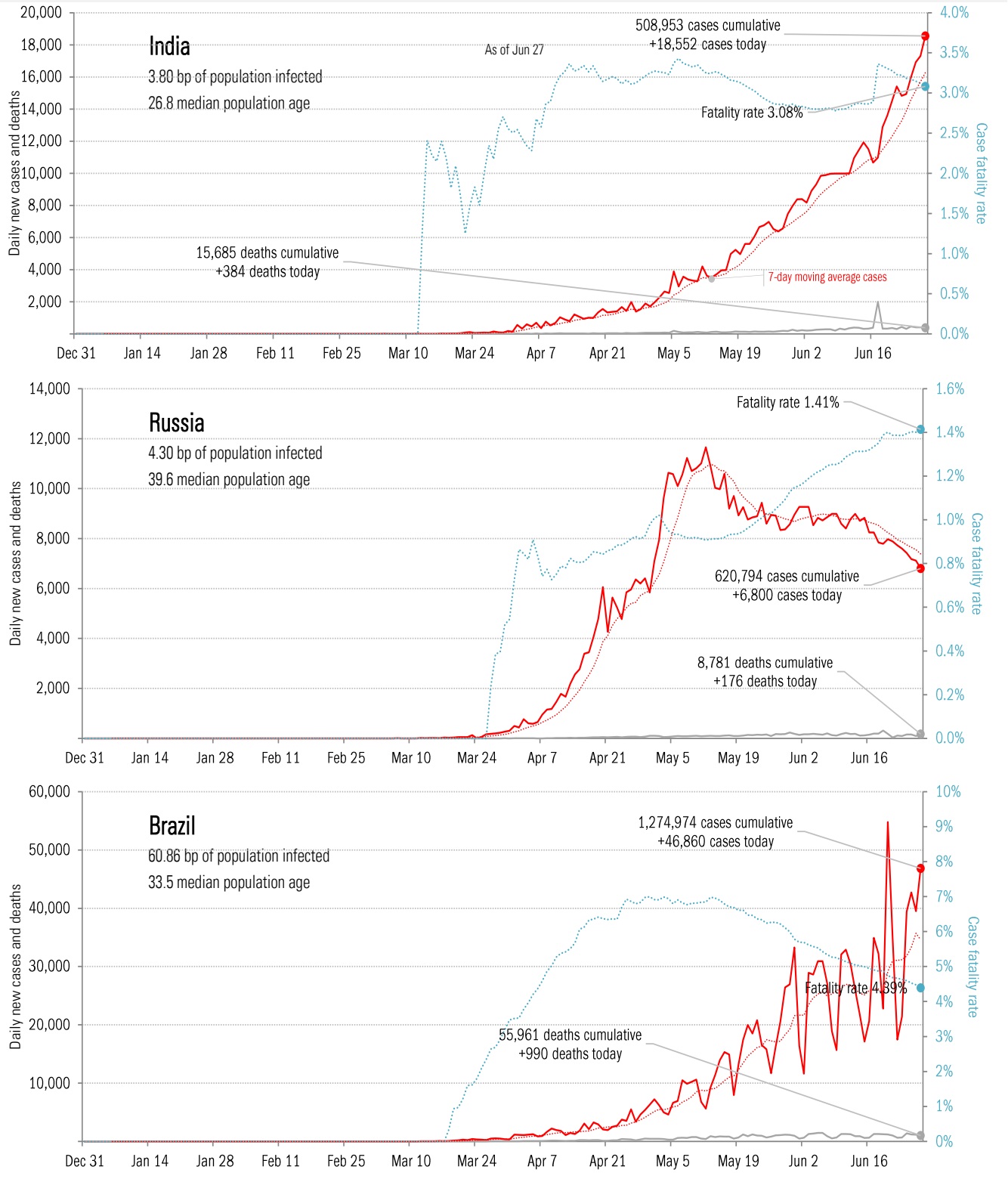
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



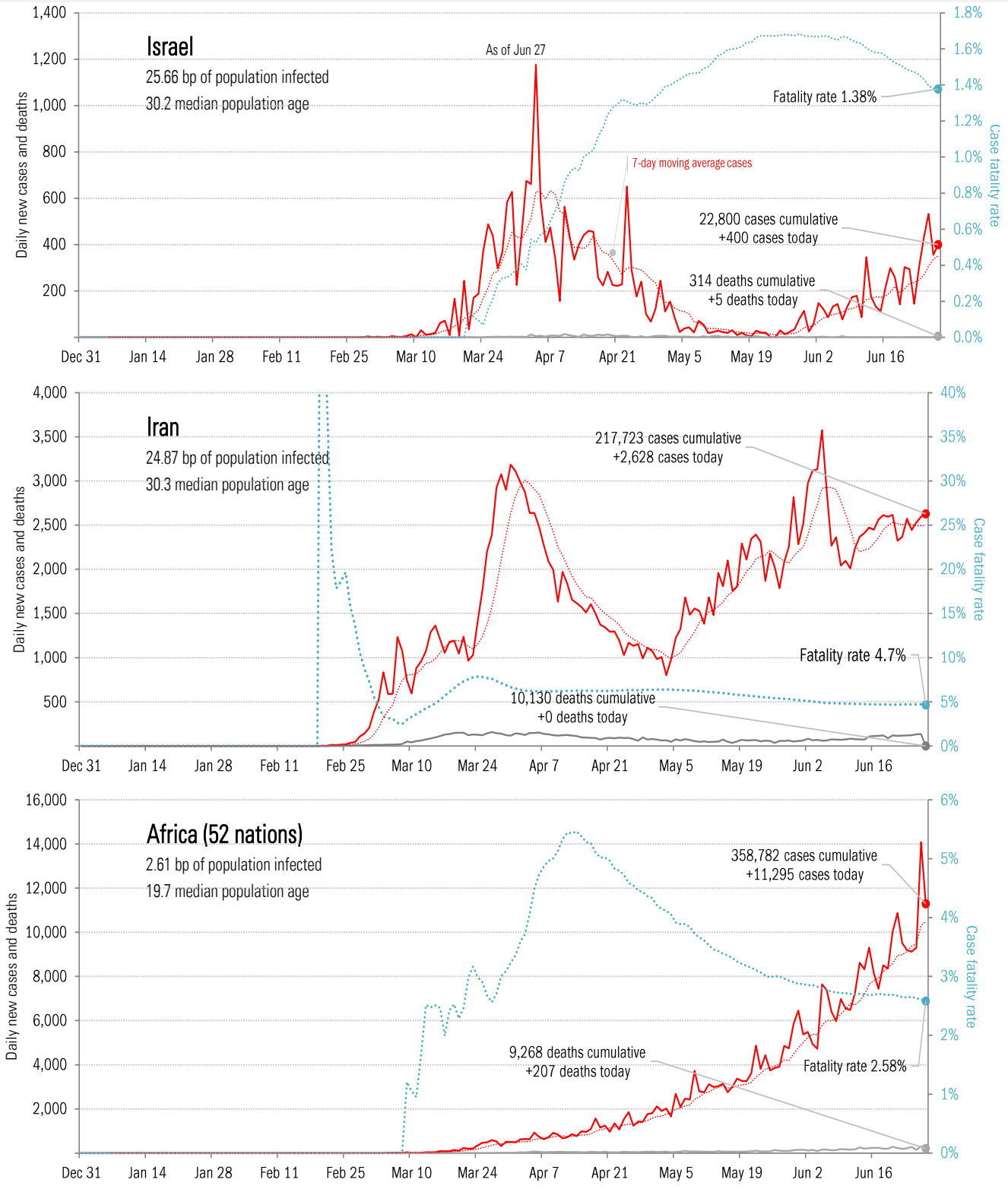
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations