Trend Macrolytics, LLC
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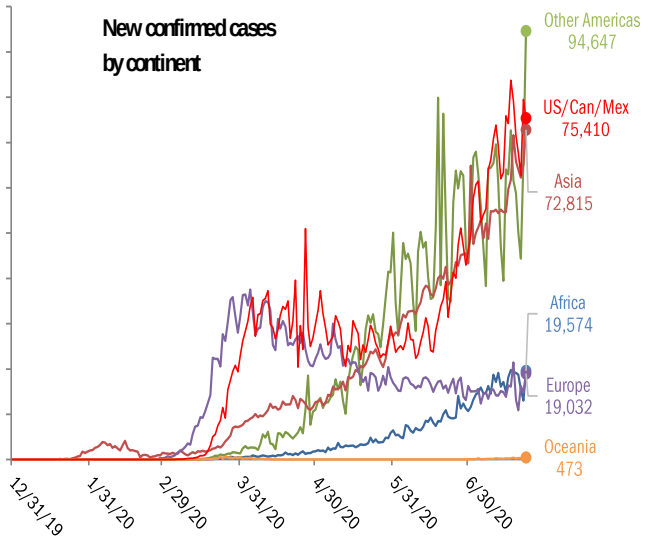
Data Insights: Covid-2019 Monitor

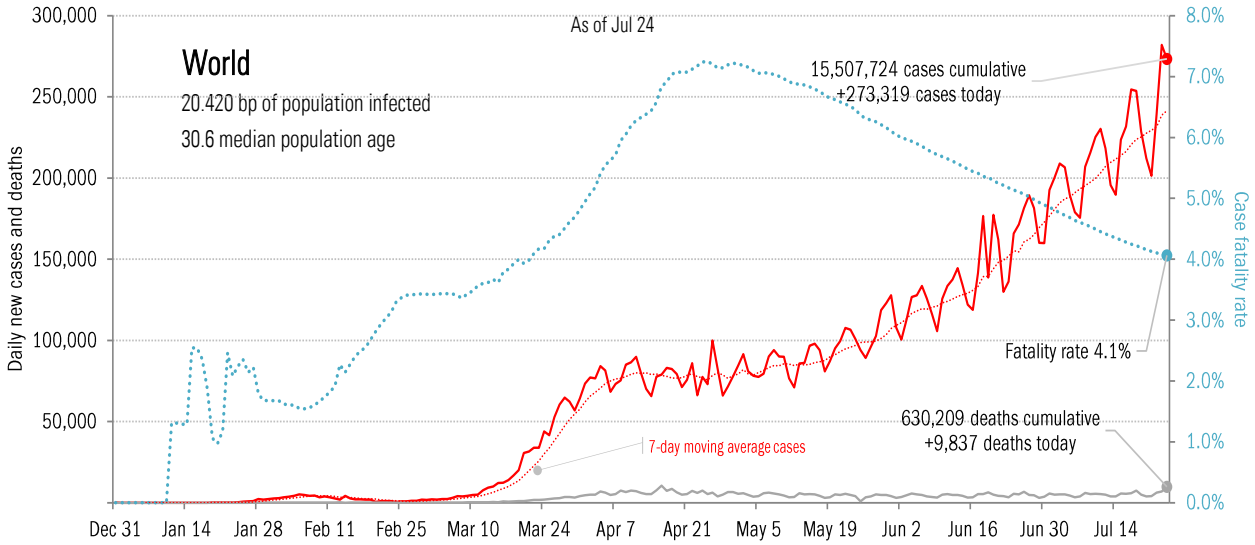
Friday, July 24, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+63,196	Peru	+3,887
Brazil	+59,961	Brazil	+1,311
India	+49,310	US	+1,052
South_Africa	+13,104	India	+740
Mexico	+8,438	Mexico	+718
Colombia	+7,945	Colombia	+315
Russia	+5,848	Iran	+221
Argentina	+5,782	South_Africa	+153
Peru	+4,546	Russia	+147
Bangladesh	+2,856	Indonesia	+117
	+220,986		+8,661
World	+273,319	World	+9,837
Top ten	81%	Top ten	88%





Source: ECDC, TrendMacro calculations

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The US scorecard

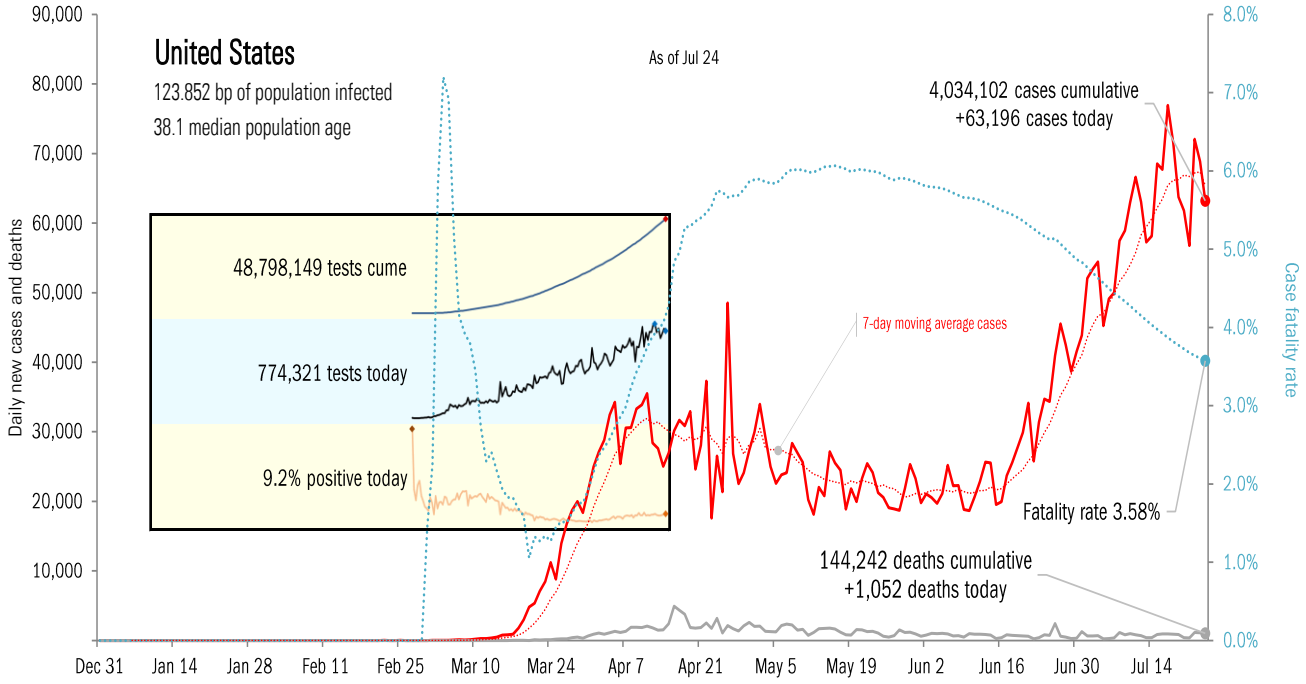
National and state-by-state data do not line up because of different sources

The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
CA	+12,040	FL	+173	AL	+457	CA	425,616	NY	25,081	NY	89,995
FL	+10,249	TX	+173	GA	+431	NY	409,697	NJ	15,730	FL	22,991
TX	+9,507	CA	+157	FL	+403	FL	389,868	MA	8,468	NJ	21,184
GA	+4,286	AZ	+89	VA	+209	TX	361,125	CA	8,027	GA	16,353
TN	+2,570	SC	+49	AZ	+189	NJ	177,887	IL	7,560	MD	12,037
AL	+2,399	TN	+37	TN	+109	IL	168,100	PA	7,079	MA	11,761
AZ	+2,335	AL	+33	OH	+104	GA	156,588	MI	6,395	VA	11,697
LA	+2,296	NC	+28	CT	+58	AZ	152,944	FL	5,632	CT	10,712
NC	+1,892	GA	+25	OK	+56	MA	114,320	TX	4,521	OH	9,968
MO	+1,637	NJ	+23	WA	+50	NC	106,893	CT	4,410	AL	8,995
	+49,211		+787		+2,066		2,463,038		92,903		215,693
All states	+71,027	All states	+1,039	All states	+2,500	All states	4,017,735	All states	136,477	All states	286,329
Top ten	69%	Top ten	76%	Top ten	83%	Top ten	61%	Top ten	68%	Top ten	75%

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
OK	-1,200	GA	-56	NJ	-85	TX	+8,511
KS	-770	LA	-46	OK	-81	AL	+2,774
CA	-767	AL	-28	FL	-62	TN	+1,913
MS	-565	CO	-28	KS	-48	IN	+1,281
LA	-475	TX	-24	IN	-33	OH	+1,276



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

Recommended reading

[A Note to Readers]
Editorial Board
Wall Street Journal
July 23, 2020

[Global quieting of high-frequency seismic noise due to COVID-19 pandemic lockdown measures]
Thomas Lecocq et al.
Science
July 23, 2020

[Silicon Valley Is Jumping on the Microschool Bandwagon]
Laura Bliss
Bloomberg
July 23, 2020

[U.S. 'Probably' Has 200,000 Daily Virus Infections, Giroir Says]
Jordan Fabian
Bloomberg
July 23, 2020

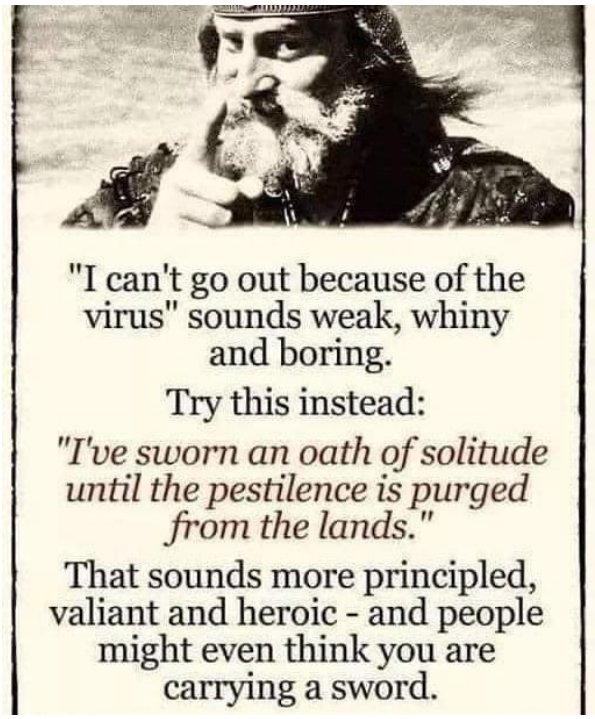
[Virus Can Jump 26 Feet at Cold Meat Plants Filled With Stale Air]
Megan Durisin
Bloomberg
July 23, 2020

[The Swine Flu Panic of 2009]
Der Spiegel
March 12, 2010

[The Impact of School Closures and Sport Cancellations on the Health of Wisconsin Adolescent Athletes]
Timothy A. McGuine et al.
University of Wisconsin School of Medicine and Public Health
June 2020

[Concerns about School Reopenings Loom Large]
AP-NORC
July 22, 2020

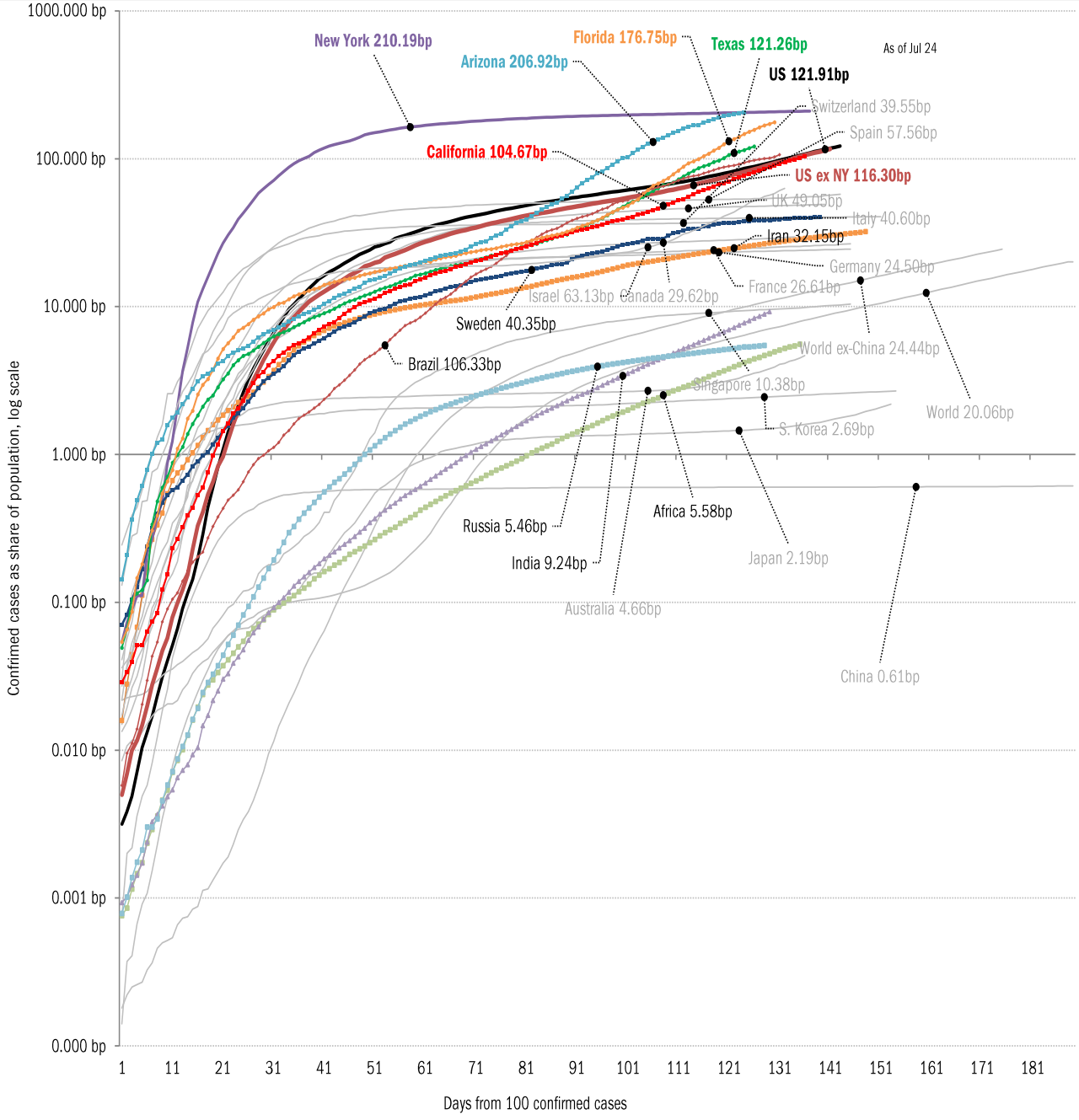
Meme of the day



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

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

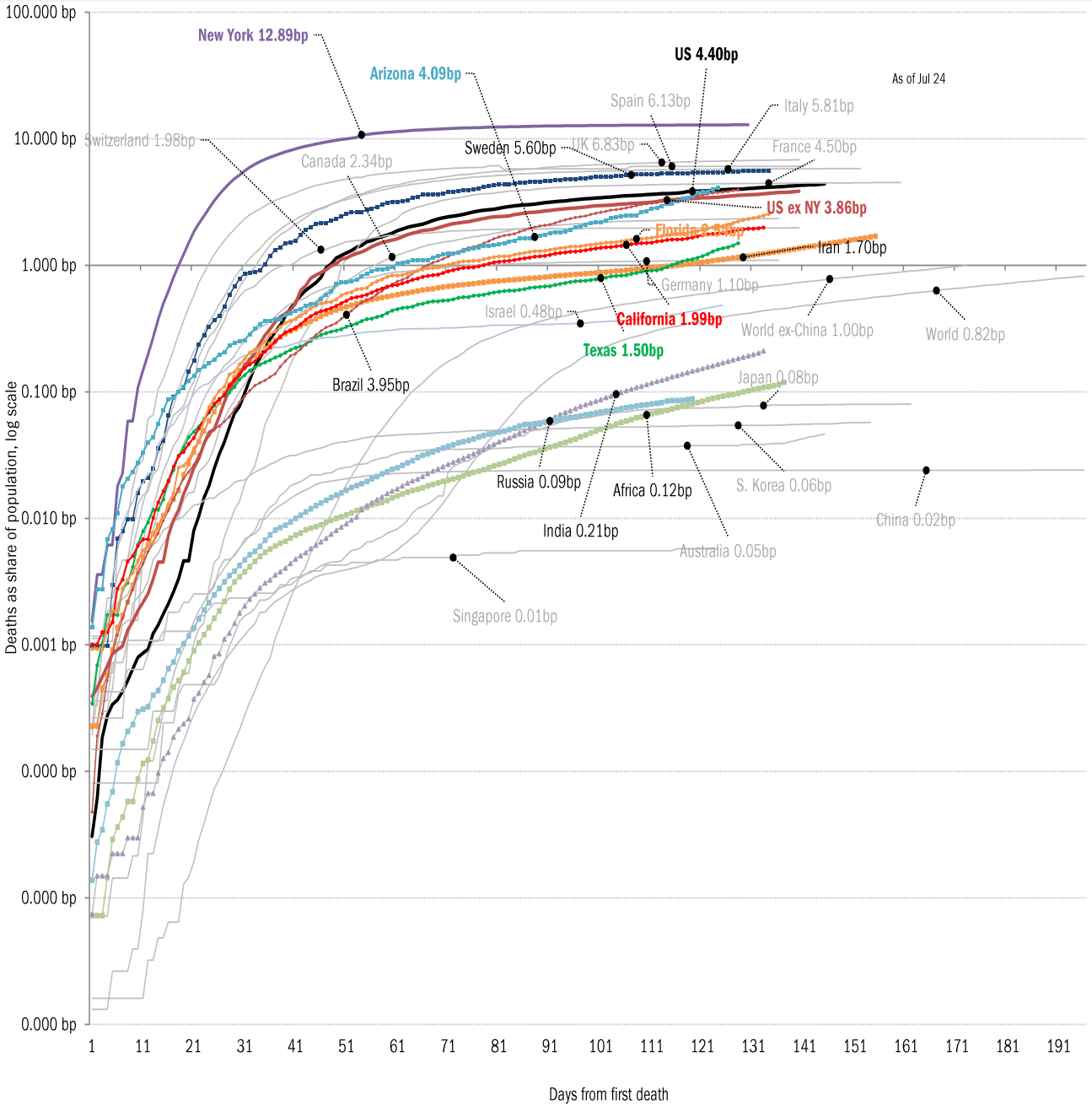
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

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

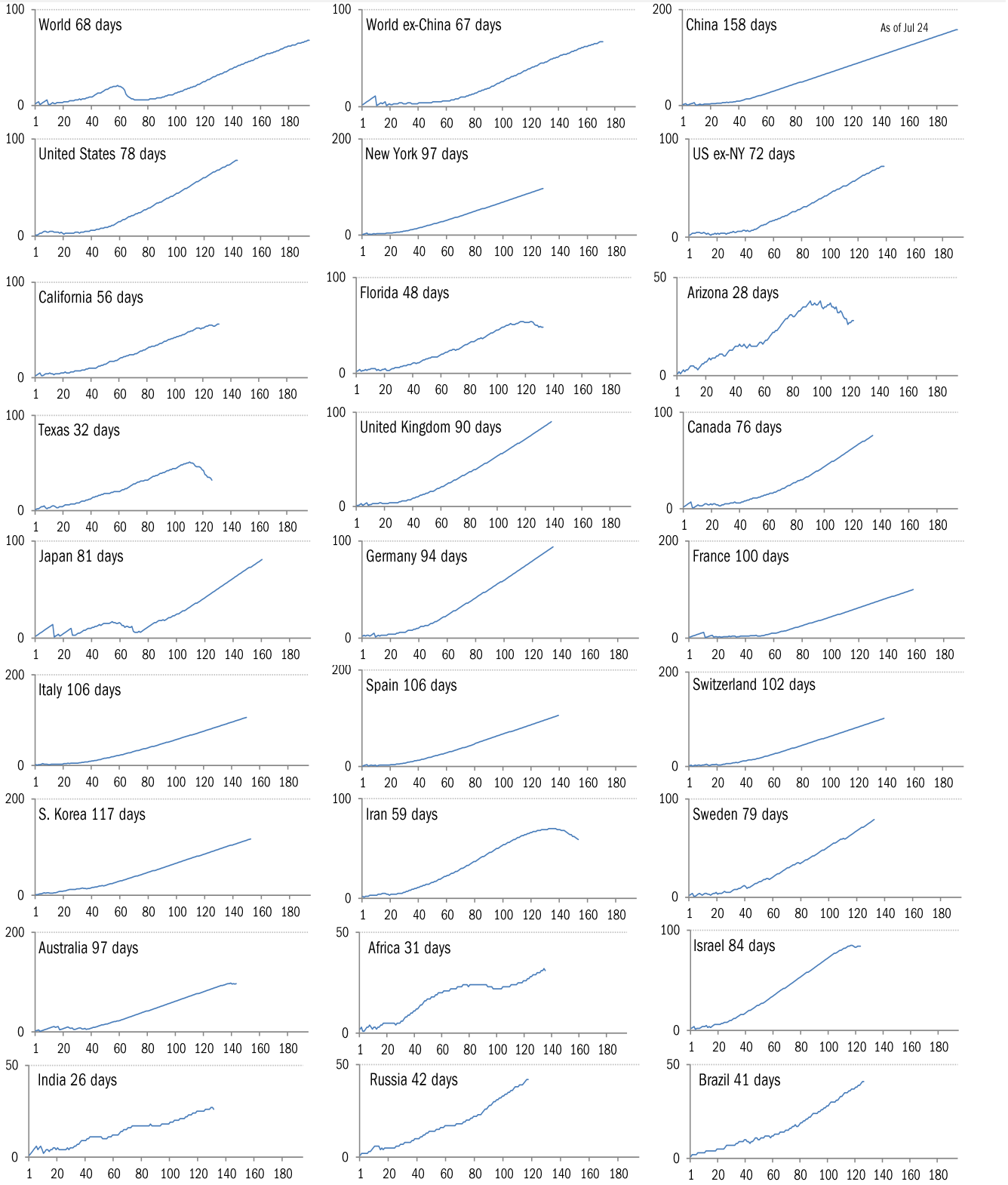
Share of deceased population from day of first fatality



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

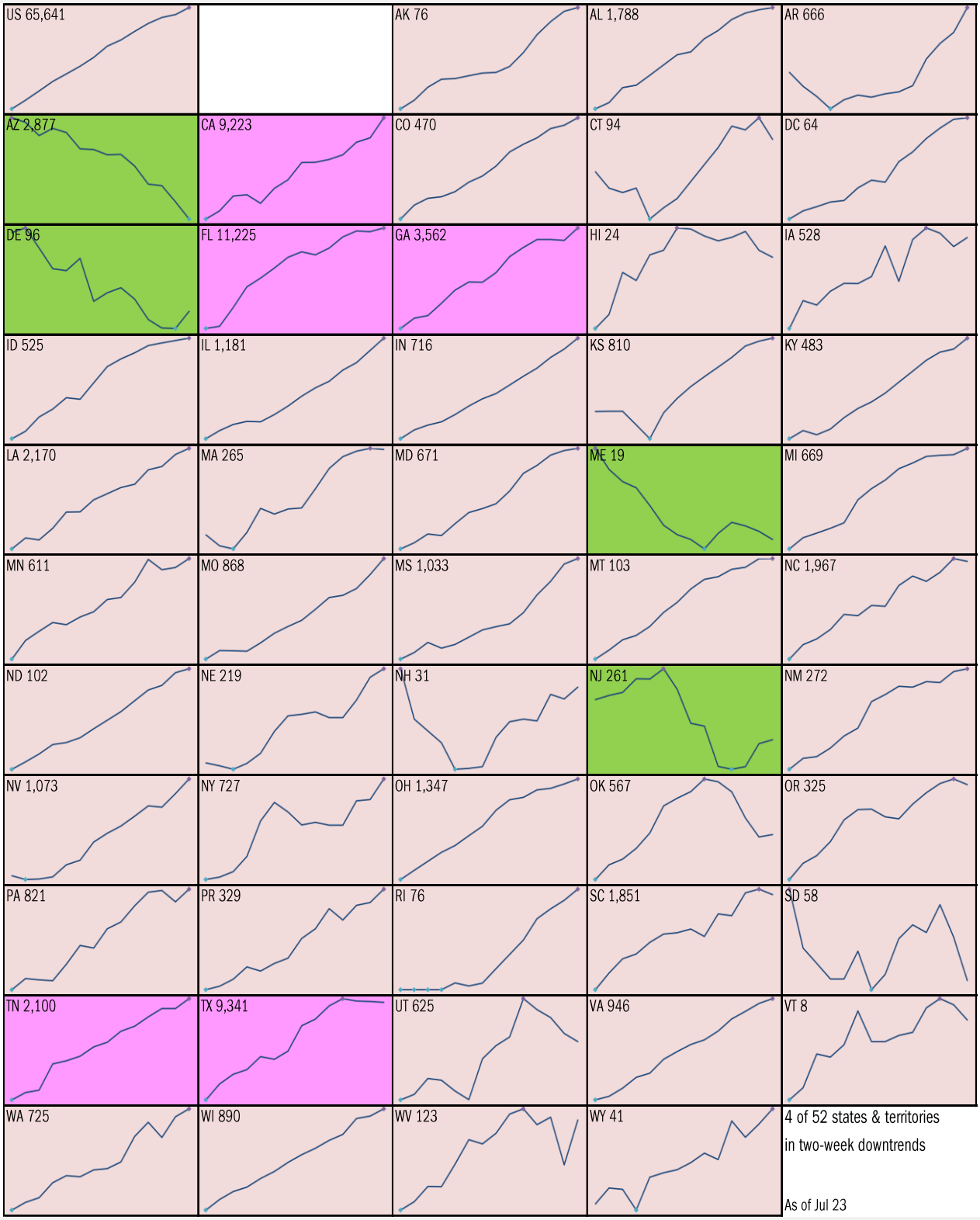


Source: ECDC, TrendMacro calculations

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

Downward trajectory Five best Upward trajectory Five worst

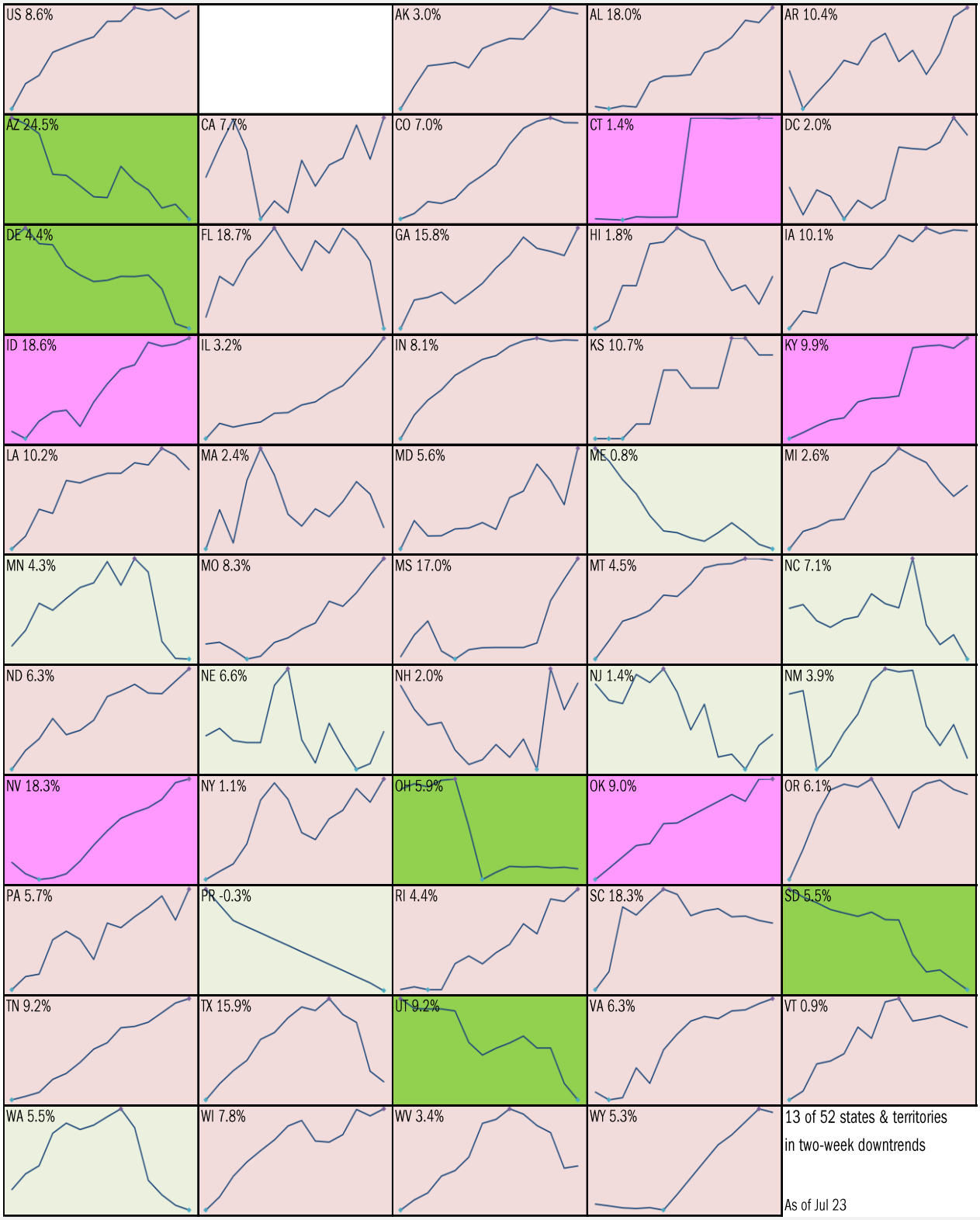


Source: Covid Tracking Project, TrendMacro calculations

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

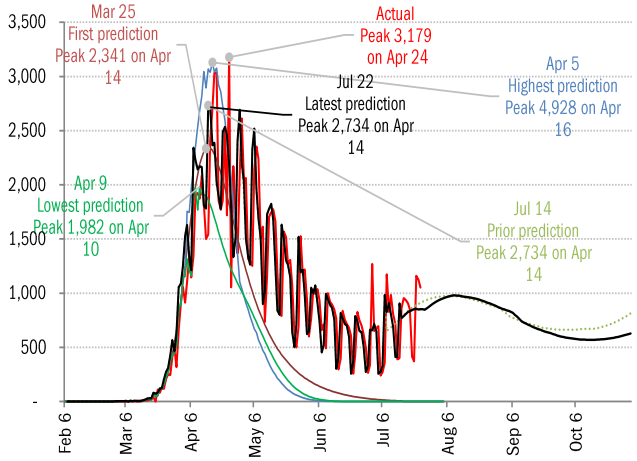


Source: Covid Tracking Project, TrendMacro calculations

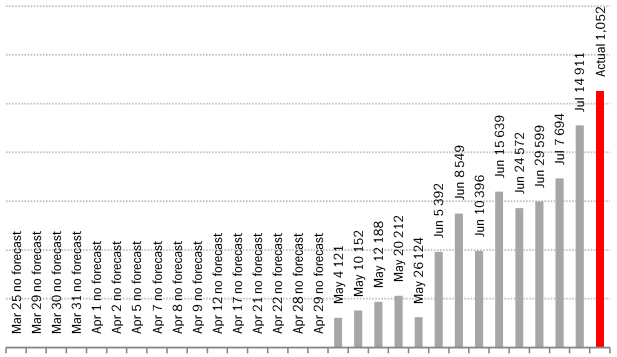
Reality-checking the models: actuals versus IHME predictions

New daily fatalities As of Jul 24

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

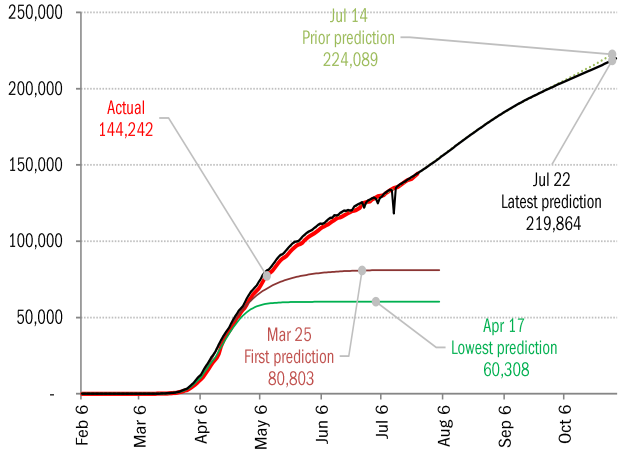


For this day, versus all model mean predictions

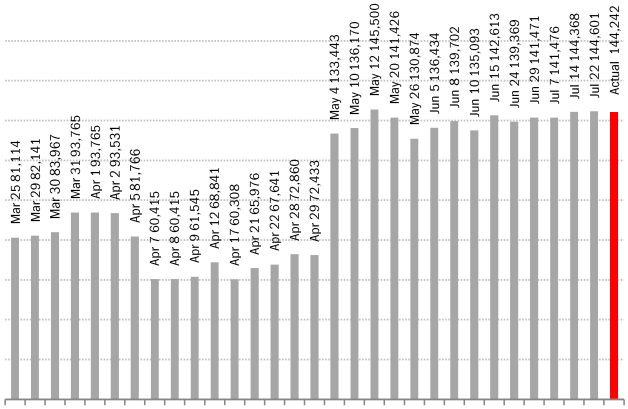


Cumulative fatalities

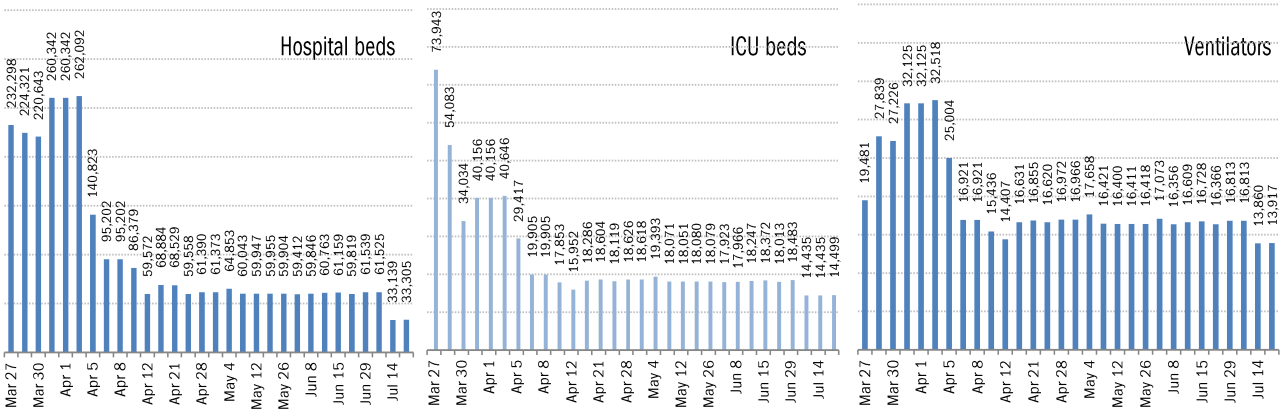
Actual versus first, highest, lowest and latest model mean predictions



For this day, versus all model mean predictions

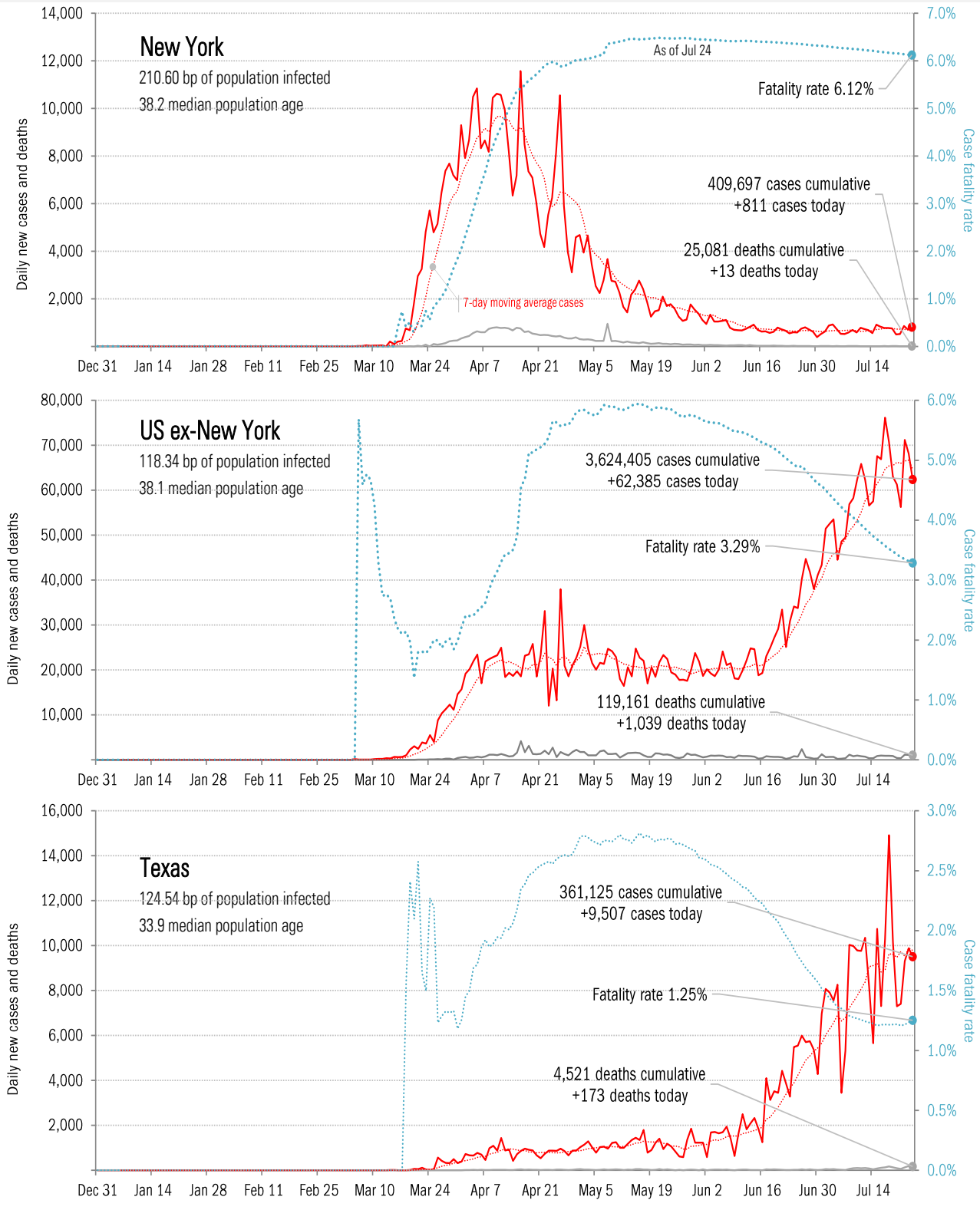


Healthcare system stress, peak estimated at each model revision



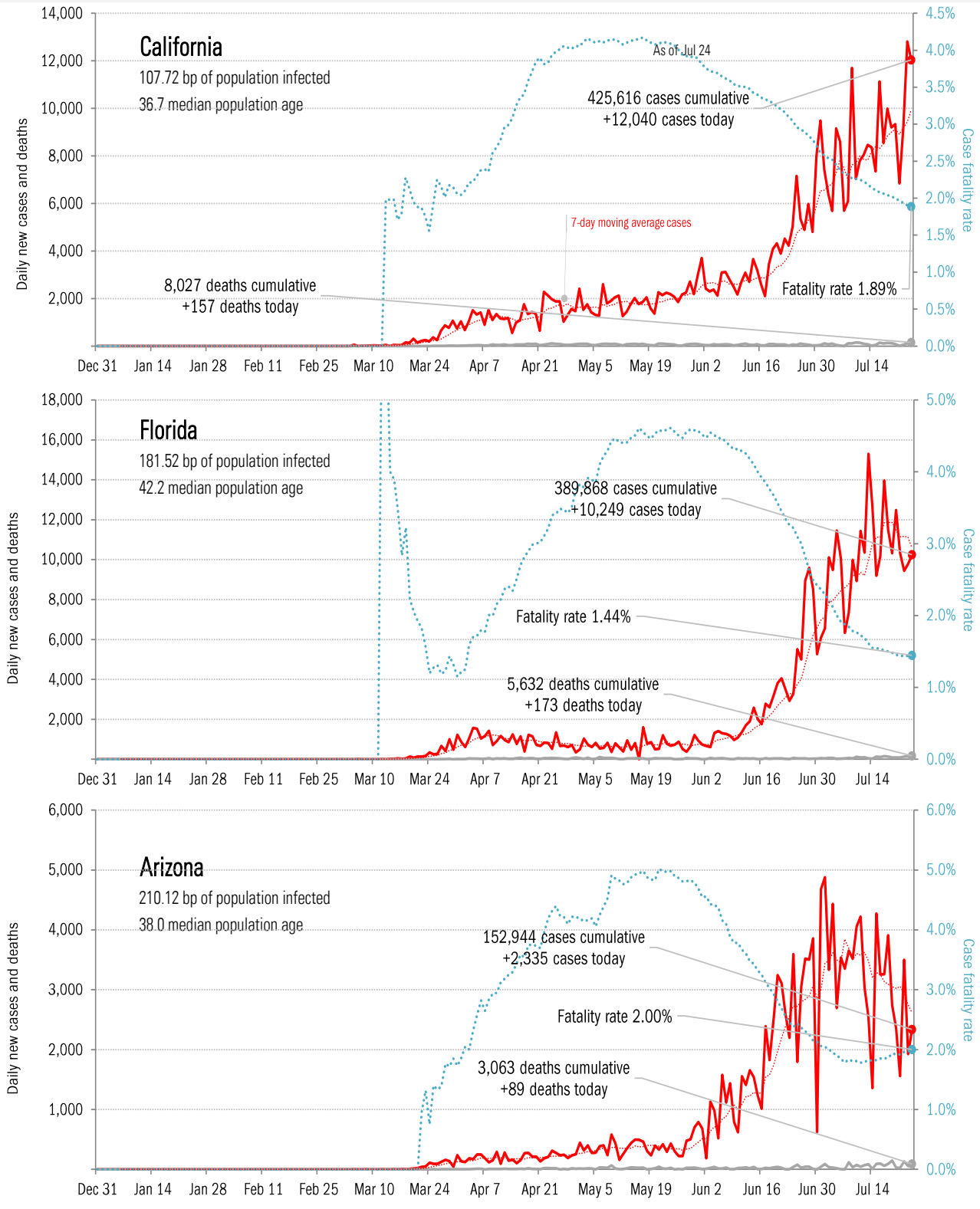
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



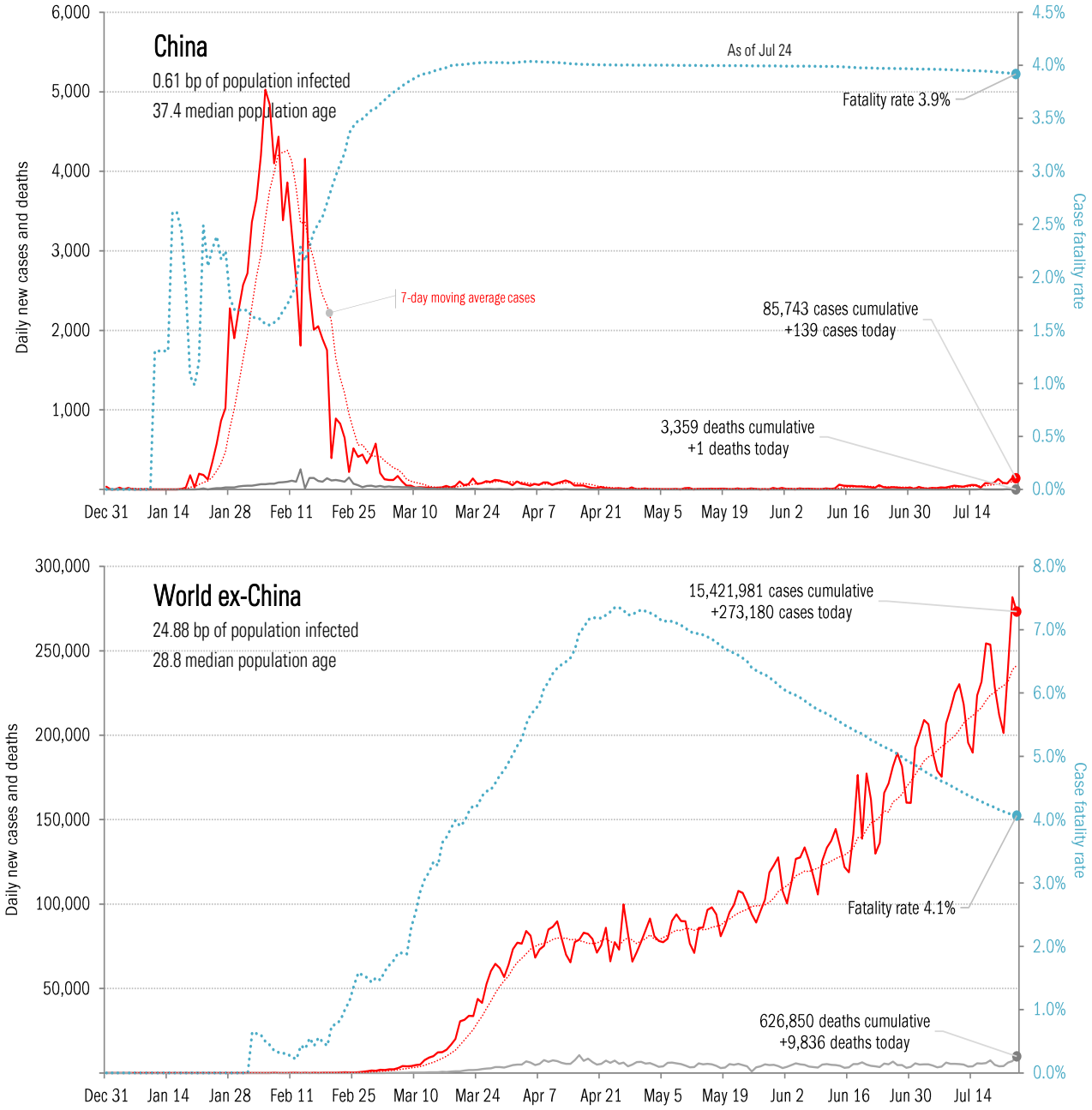
Source: ECDC, TrendMacro calculations

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



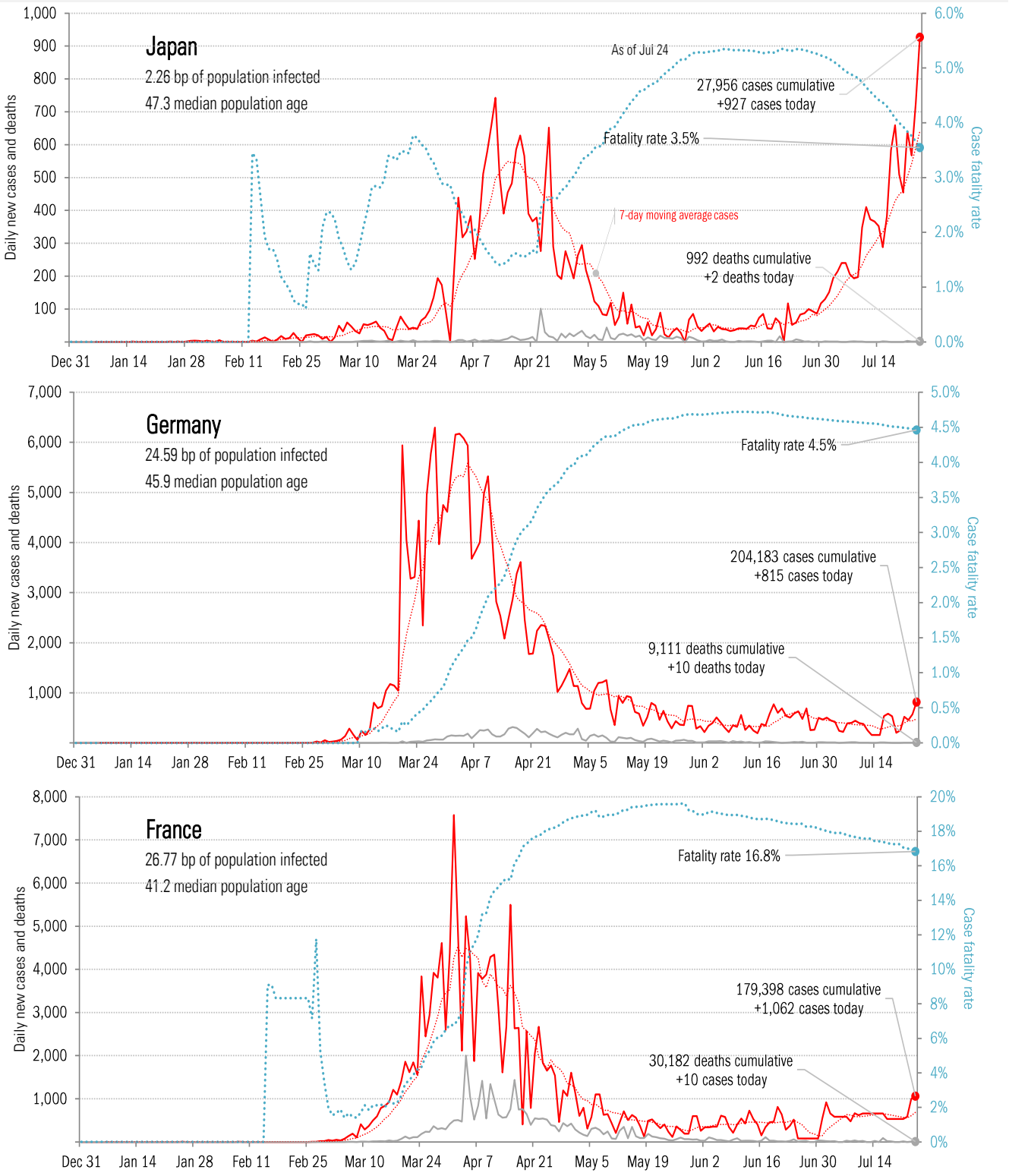
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



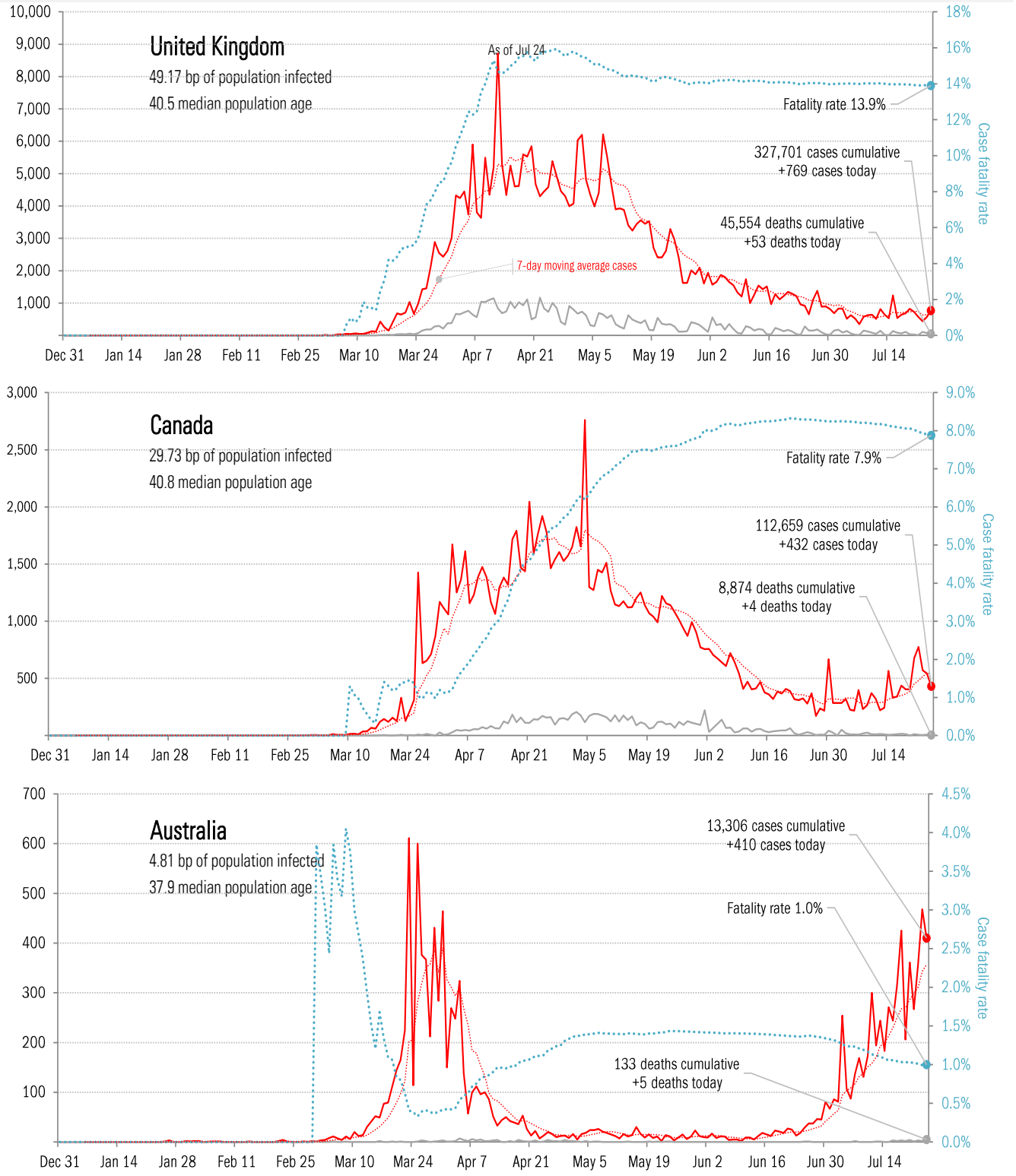
Source: ECDC, TrendMacro calculations

Impact in the largest economies



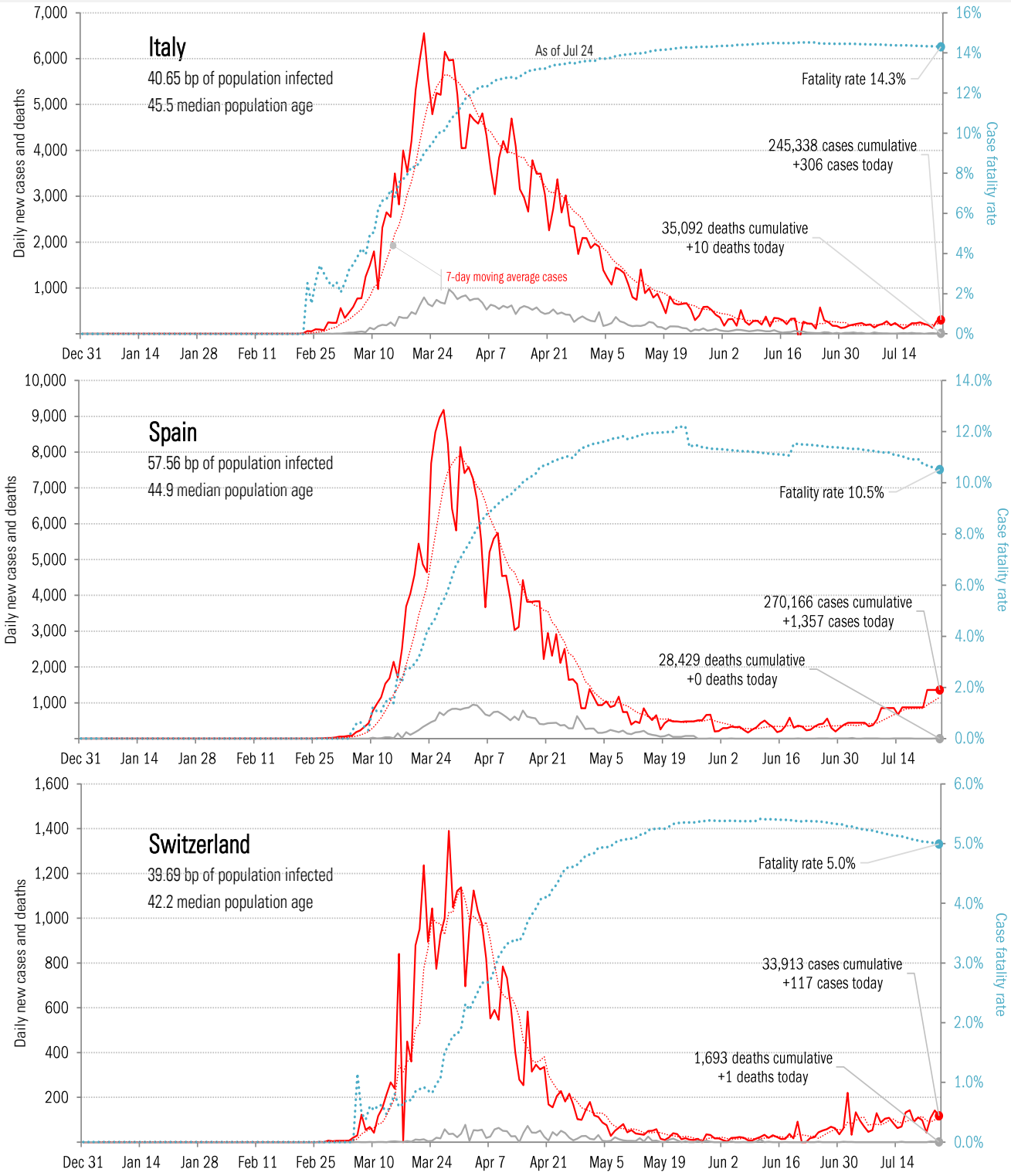
Source: ECDC, TrendMacro calculations

Impact in The Anglosphere



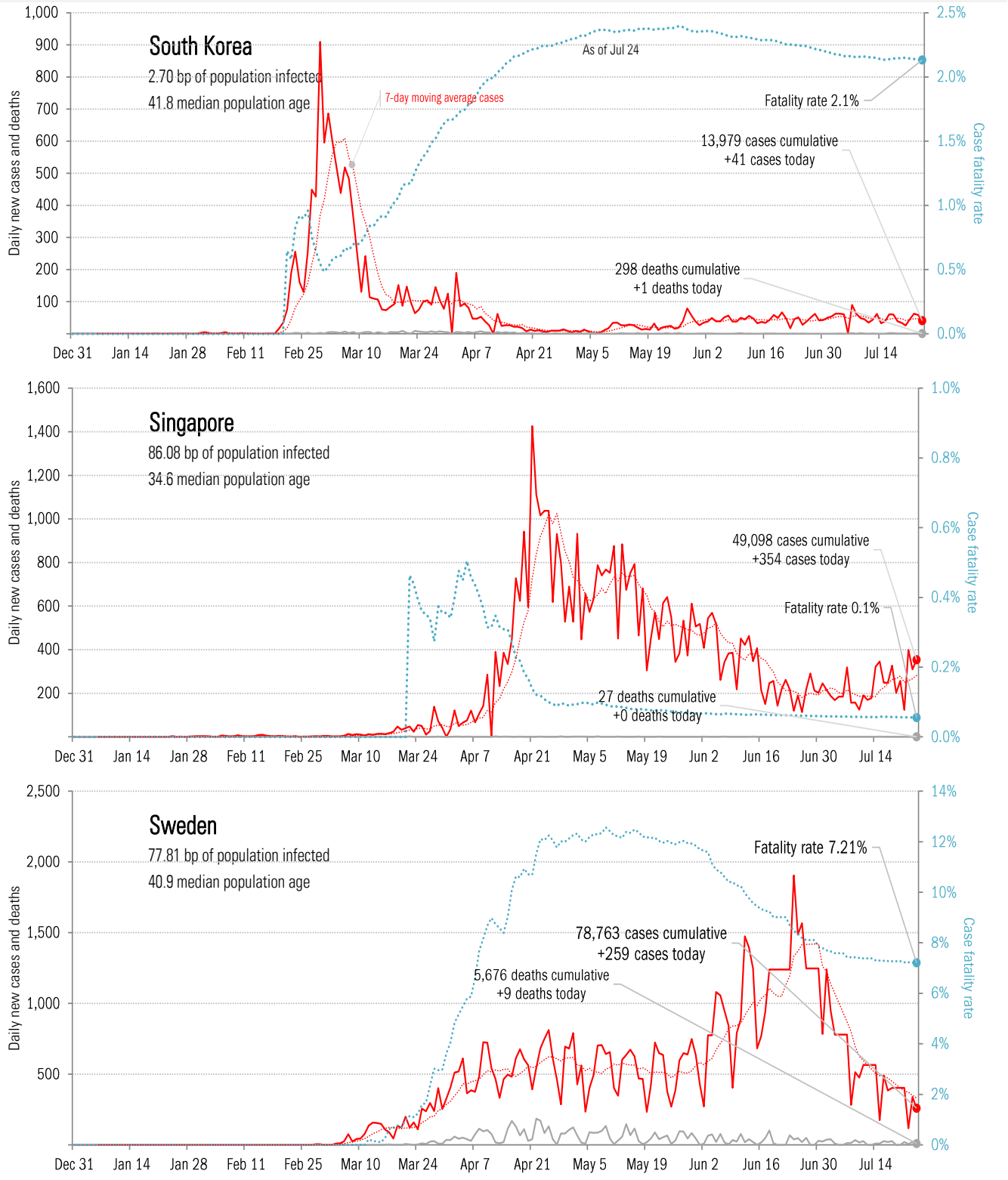
Source: ECDC, TrendMacro calculations

Impact in continental Europe



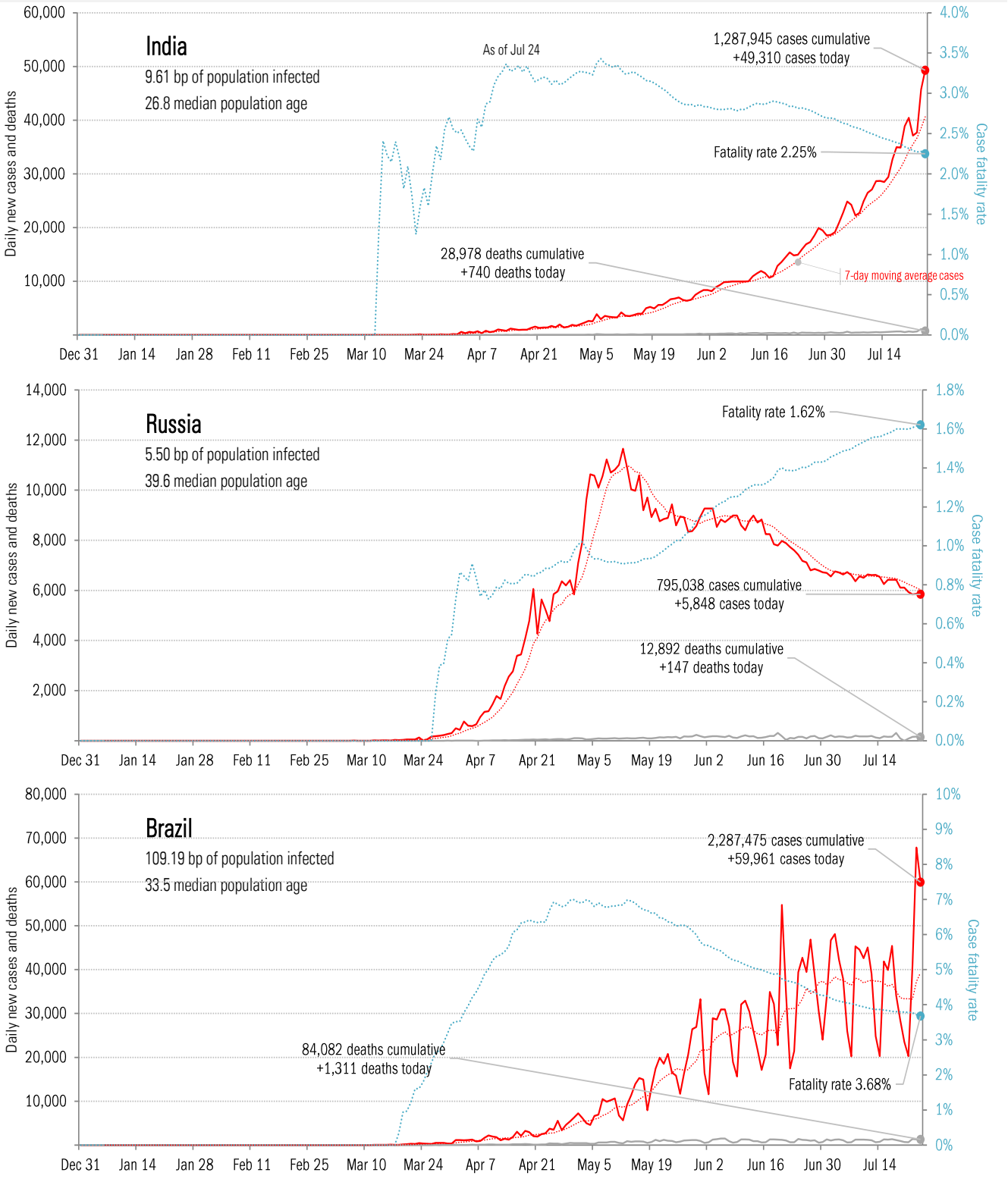
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



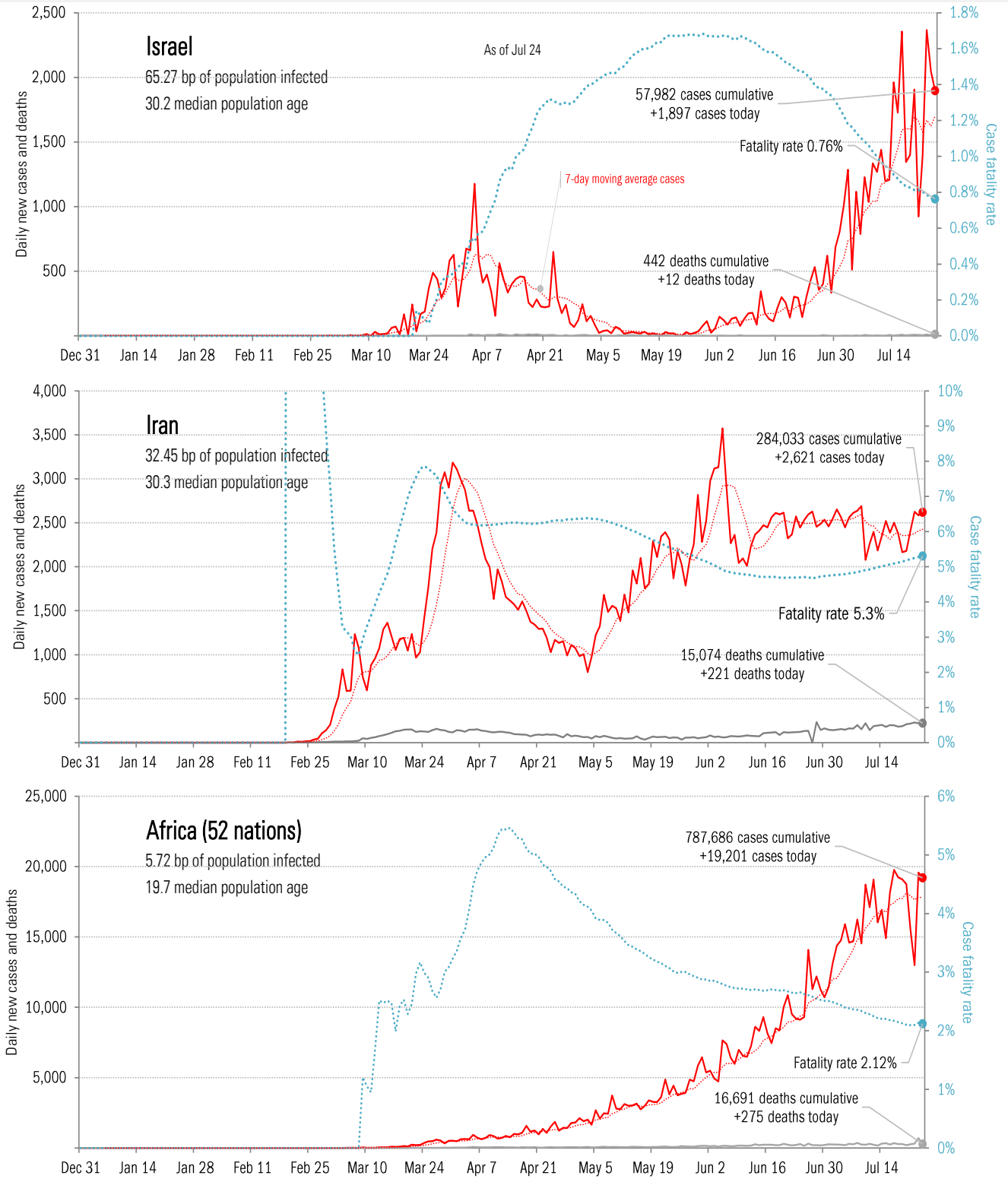
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations