

Data Insights: Covid-2019 Monitor

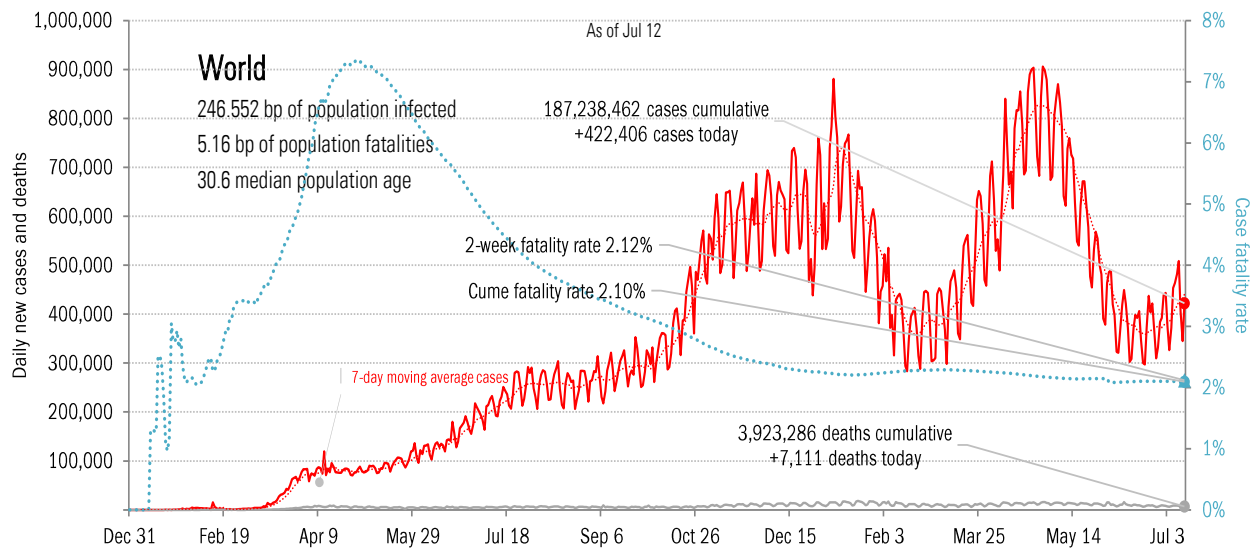
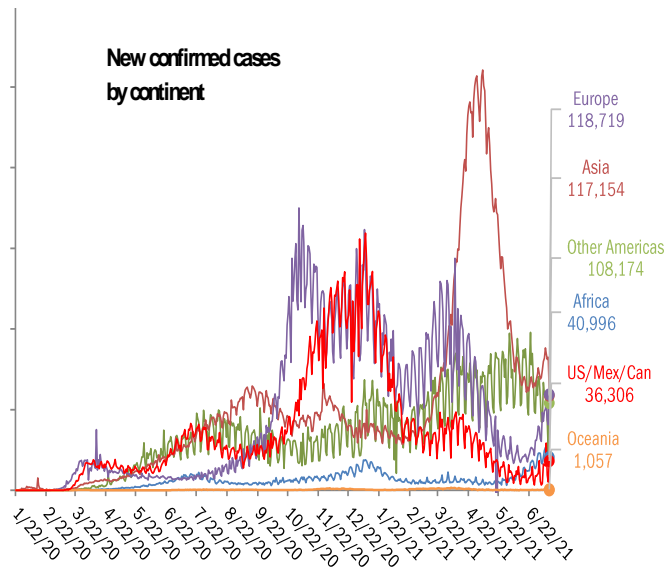
Tuesday, July 13, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
Colombia	+58,988	Colombia	+1,604
Indonesia	+40,427	Indonesia	+891
United Kingdom	+34,810	Brazil	+745
Spain	+33,932	Russia	+700
United States	+32,765	Argentina	+474
Russia	+24,649	United States	+236
Iran	+20,829	Afghanistan	+230
Brazil	+17,031	Bangladesh	+220
Argentina	+14,989	South Africa	+220
Bangladesh	+13,768	Iran	+182
+292,188		+5,502	
World +422,406		World +7,111	
Top ten 69%		Top ten 77%	

New confirmed cases by continent



Source: [Johns Hopkins](#), TrendMacro calculations

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The US scorecard

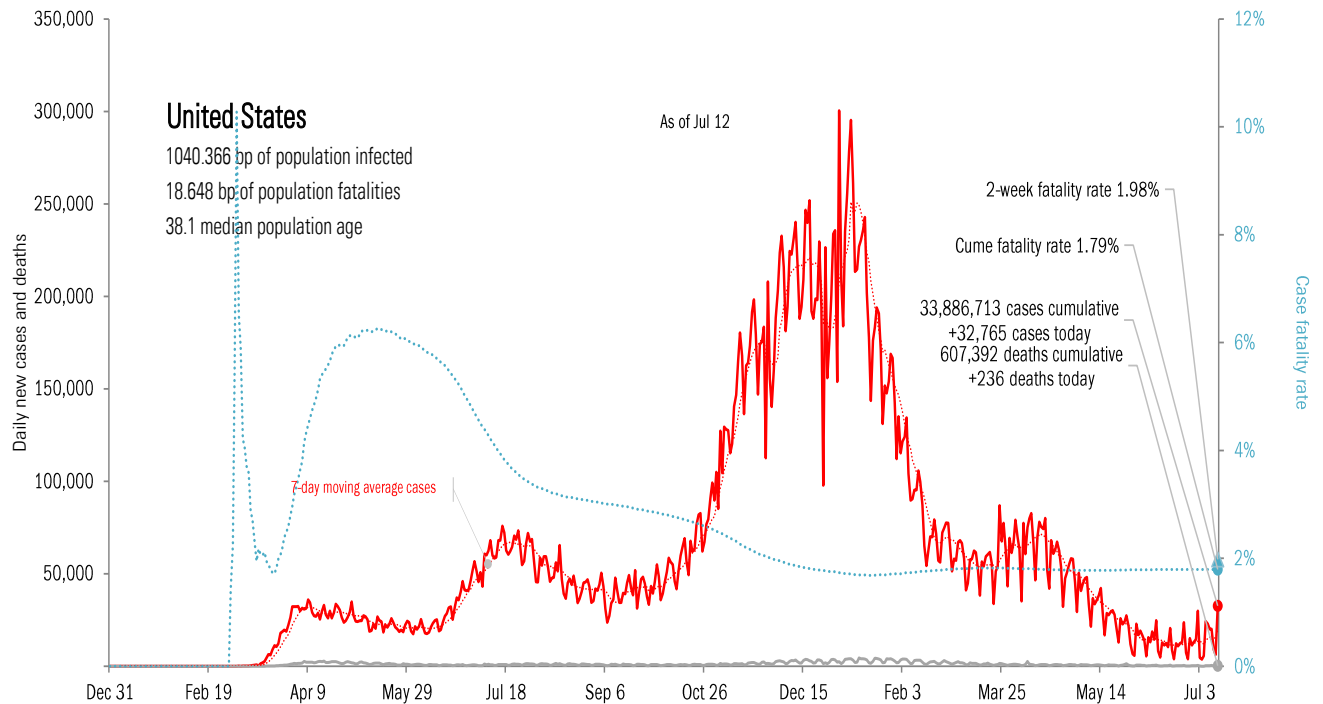
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	+4,782		CA	+32		FL	+186		CA	3,840,251		CA	63,964		TX	257,212		RI	86%	MO	23%
TX	+3,565		TX	+32		TX	+69		TX	3,020,886		NY	53,737		CA	242,568		MA	85%	AR	17%
FL	+3,392		IL	+27		GA	+58		FL	2,402,472		TX	52,661		FL	191,728		MD	83%	UT	16%
LA	+2,393		FL	+21		CA	+51		NY	2,121,119		FL	38,133		NY	137,112		MO	83%	NV	15%
NC	+1,863		NC	+16		AR	+37		IL	1,397,089		PA	27,750		GA	110,516		PA	82%	TX	10%
GA	+1,763		GA	+13		MS	+26		PA	1,218,886		NJ	26,509		PA	92,146		DC	80%	WY	10%
NV	+1,673		KS	+12		IL	+25		GA	1,141,159		IL	25,757		CH	88,387		GA	80%	FL	10%
WA	+1,606		TN	+12		LA	+23		CH	1,114,491		GA	21,499		IL	83,152		MN	79%	OK	9%
IL	+1,592		KY	+10		NV	+19		NJ	1,026,286		MI	21,059		KY	78,941		NV	79%	ID	9%
UT	+1,238		NV	+10		CH	+17		NC	1,019,298		CH	20,380		MI	73,531		FL	78%	MS	9%
+23,867			+185			+511			18,301,937			351,449			1,355,293						
All states	+36,157		+257			+650			All states	33,886,713		607,392			2,415,106			All states	70%	67%	
Top ten	66%		72%			79%			Top ten	54%		58%			56%			Median	73%	5%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MO	-882	CO	-5	NY	-24	GA	+30 bp
AZ	-681	AZ	-2	MO	-23	NE	+20 bp
NY	-161	MD	-1	AZ	-17	NH	+20 bp
H	-102	FR	-1	CR	-13	WA	+20 bp
NJ	-68	AL	0	WY	-12	AK	+10 bp

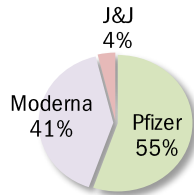


Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

US overall	Total	Today	Immunity	Full	Partial
Doses distributed	399,615,115	+0.021 million	US	47.6%	55.1%
Doses administered	343,971,068	+0.599 million	UK	51.2%	67.6%
Administered	One dose	% Pop	Immune	% pop	New immune today
Total population	188,862,926	57%	163,493,557	49%	+0.319 million
Age 12 to 17	9,385,152	37%	7,306,959	29%	+0.062 million
Age 18 to 64	129,098,322	63%	111,315,332	55%	+0.223 million
Age 65 and over	50,155,689	92%	44,742,695	82%	+0.034 million

Global vaccine data not updated as of publication.



State
Immunities distributed as % population**
At least partial immunity as % population
Full immunity as % population

At today's dosing pace, every American >18 immune in **229 days** by Feb 25, 2022
 60.4% of population >18 immunized
 11.5% previously tested positive
72.0% vs 60% adult herd immunity*

Israel	60.0%	66.2%
Canada	43.2%	69.4%
Japan	17.9%	29.7%
Africa	1.3%	2.9%
India	5.3%	22.0%
Brazil	14.4%	40.8%

AK
61.5%
50.4%
44.5%



WI
56.0%
54.3%
50.7%

ME	NH
73.6%	72.7%
67.1%	63.4%
62.4%	57.2%

WA 65.8% 62.4% 55.9%	ID 50.5% 40.1% 36.6%	MT 55.7% 48.3% 43.5%	ND 50.0% 44.4% 39.4%	MN 61.5% 57.6% 52.7%	IL 62.0% 60.3% 47.1%	MI 61.9% 52.0% 47.9%	NY 65.8% 61.1% 55.3%	MA 74.5% 71.2% 62.6%		
OR 71.1% 59.4% 54.7%	NV 54.1% 50.9% 42.9%	WY 47.9% 40.3% 35.7%	SD 58.3% 51.1% 46.0%	IA 58.6% 51.9% 48.7%	IN 53.5% 45.8% 43.1%	OH 56.4% 48.7% 45.5%	PA 66.1% 63.7% 50.7%	NJ 69.4% 63.9% 56.4%	CT 70.6% 67.9% 61.7%	RI 75.1% 65.4% 59.9%
CA 66.2% 62.6% 51.1%	UT 53.8% 49.5% 38.1%	CO 64.6% 58.7% 52.9%	NE 57.4% 52.1% 48.2%	MO 53.1% 45.9% 39.7%	KY 53.7% 50.2% 44.4%	WV 56.6% 45.6% 38.7%	VA 64.7% 59.9% 52.9%	MD 74.6% 62.8% 57.2%	DE 70.0% 59.0% 51.1%	
AZ 59.6% 51.3% 44.0%	NM 60.5% 63.8% 55.7%	KS 56.6% 49.9% 42.6%	AR 50.6% 43.0% 34.9%	TN 49.8% 42.9% 38.0%	NC 59.5% 49.4% 42.6%	SC 55.2% 45.0% 39.5%	DC 79.8% 62.2% 53.4%			
OK 54.1% 45.6% 39.1%	LA 46.8% 39.2% 35.8%	MS 48.1% 37.1% 33.4%	AL 52.7% 40.6% 33.3%	GA 56.1% 44.0% 37.1%						
HI 72.0% 70.4% 52.6%	TX 58.9% 49.1% 42.2%	FL 62.7% 54.8% 47.0%	PR 69.3% 66.4% 57.6%							

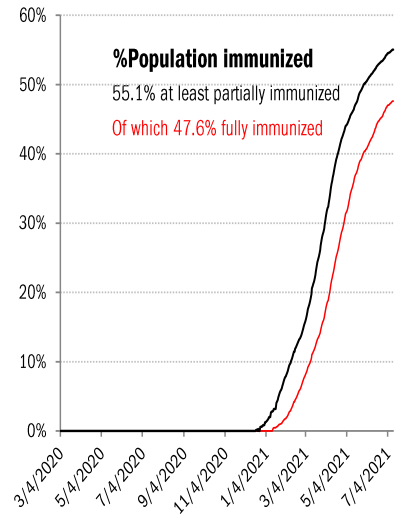
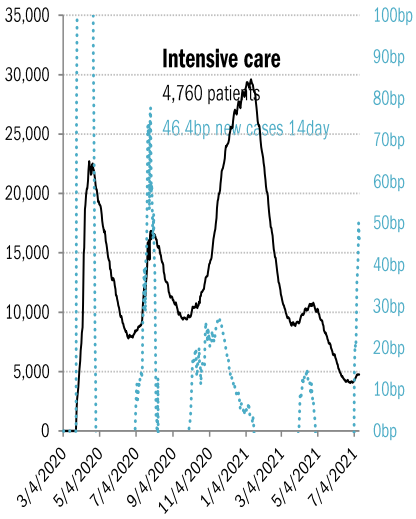
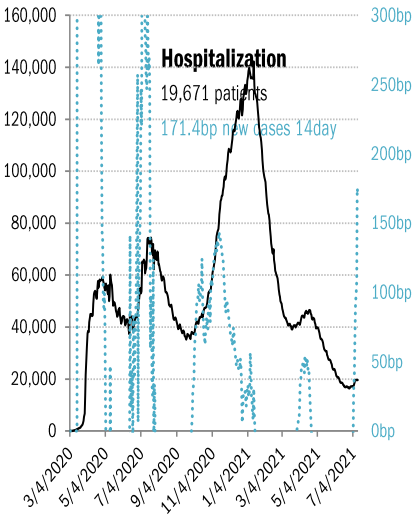
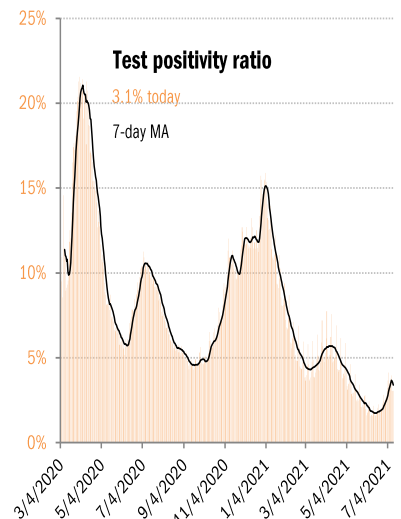
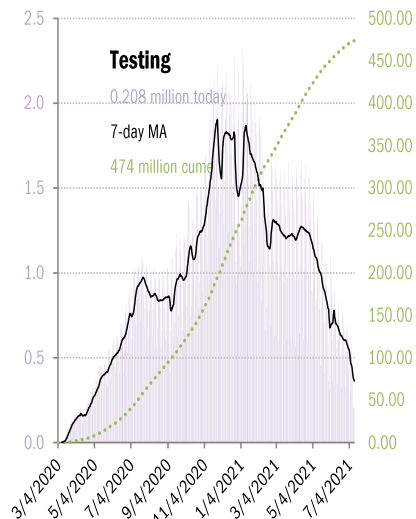
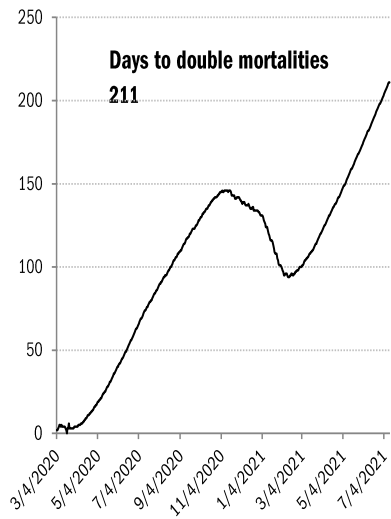
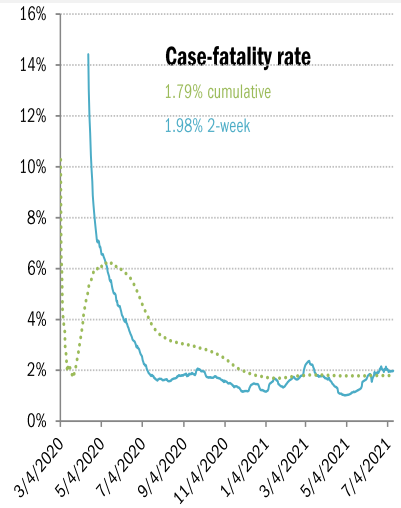
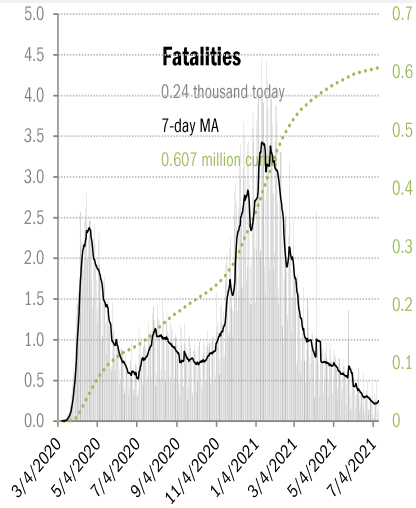
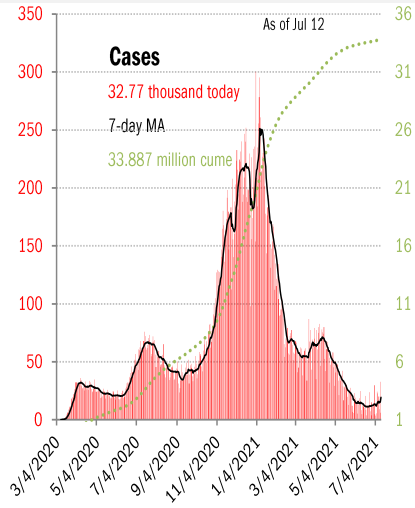
As of Jul 12

* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.
 ** One dose of Pfizer/Moderna counts as half an immunity, one dose of J&J as a full immunity

Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

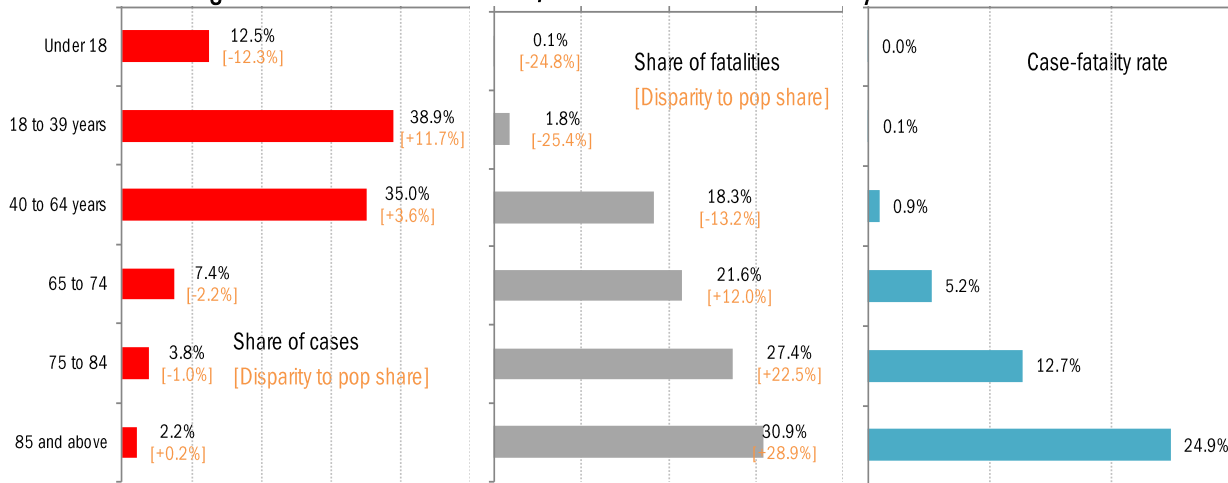
US deep-dive

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

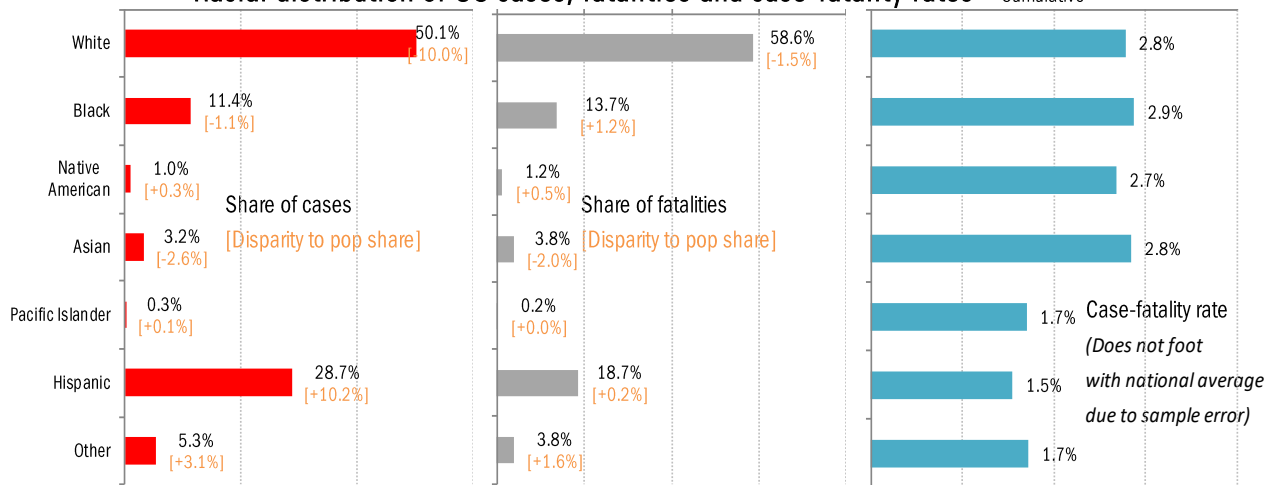


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

Age distribution of US cases, fatalities and case-fatality rates

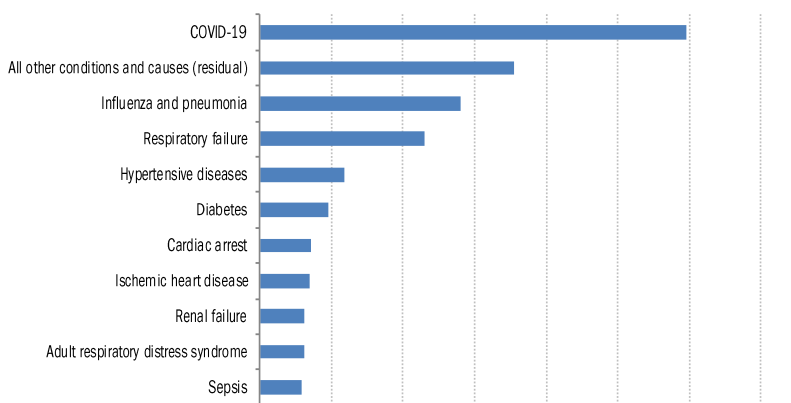


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jul 4

For over 5% of these deaths, COVID-19 was the only cause mentioned on the death certificate. For deaths with conditions or causes in addition to COVID-19, on average, there were 4.0 additional conditions or causes per death.

Recommended reading

[Emerging From Covid, Small Theaters in Los Angeles Face a New Challenge](#)

Adam Nagourney
New York Times
July 12, 2021

[F.D.A. Attaches Warning of Rare Nerve Syndrome to Johnson & Johnson Vaccine](#)

Sharon LaFraniere and Noah Weiland
New York Times
July 12, 2021

[After \\$5.1M book deal, Cuomo calls pandemic 'tremendous personal benefit'](#)

Bernadette Hogan, Carl Campanile and Bruce Golding
New York Post
July 8, 2021

[Life and Death During the First Year of the COVID-19 Pandemic: An analysis of cross-country differences in changes in quantity and quality of life](#)

Lykke E. Andersen and Alejandra Gonzáles Rocabado
Latin American Journal of Economic Development
May-October 2021

[Life and Death During the First Year of the COVID-19 Pandemic: An analysis of cross-country differences in changes in quantity and quality of life](#)

Lykke E. Andersen and Alejandra Gonzáles Rocabado
Latin American Journal of Economic Development
May-October 2021

[United CEO: My guess is airline mask mandate will expire in September](#)

Joseph Choi
The Hill
July 12, 2021

[Joint CDC and FDA Statement on Vaccine Boosters](#)

Food and Drug Administration

July 8, 2021

[Israel offers 'booster' jab as Covid infections spiral](#)

Neri Zilber
Financial Times
July 12, 2021

[Excess mortality analysis for Germany for all three COVID-19 waves in 2020 - 2021](#)

Alexej Weber
medRxiv
July 8, 2021

["Ignore No Soliciting Signs, Use Your Script": Vaccine Door-Knocking Documents Revealed](#)

Tyler Durden
Zero Hedge
July 12, 2021

[Fauci says there 'should be more' vaccine mandates](#)

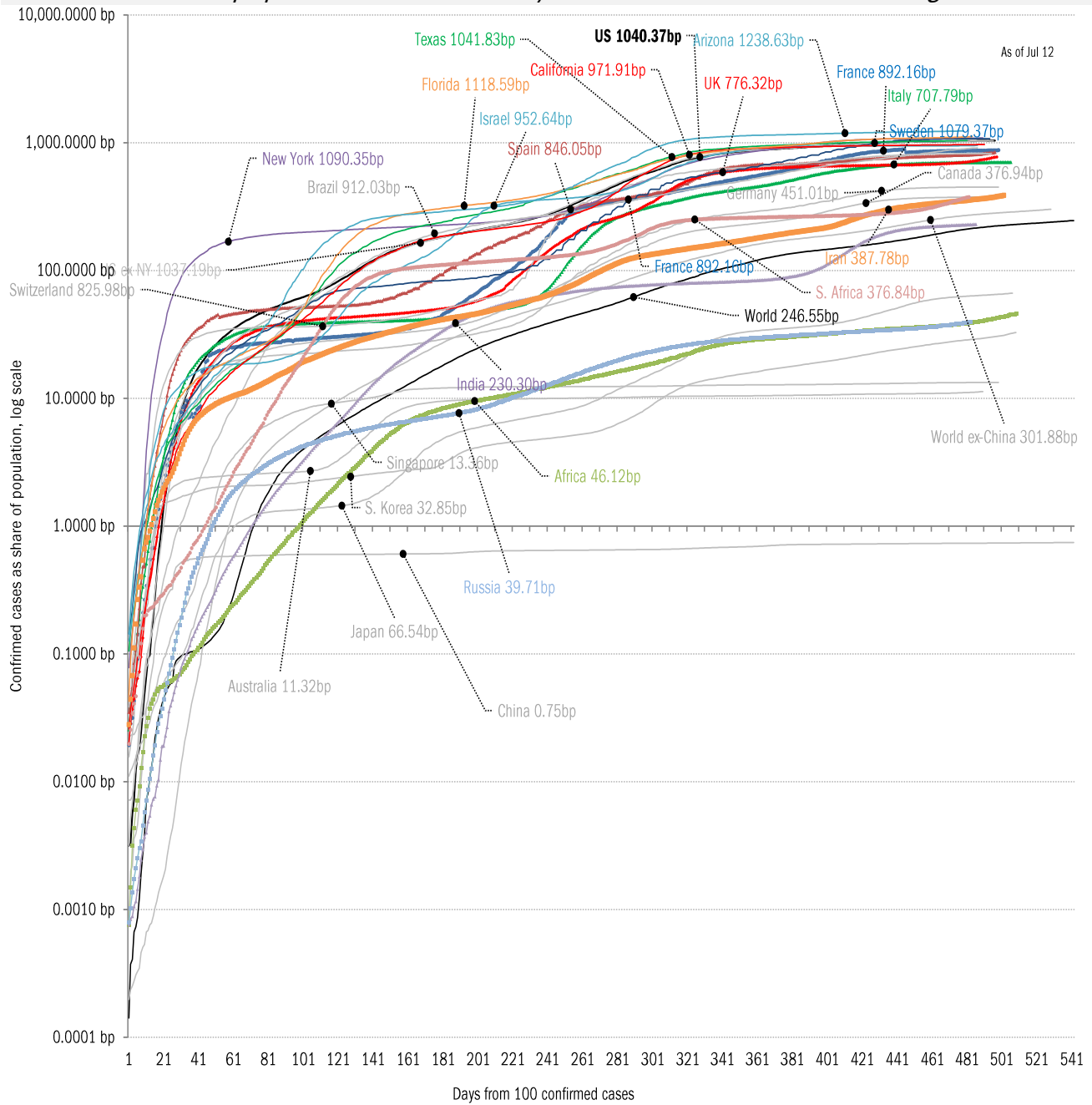
Jake Dima
Washington Examiner
July 11, 2021

Meme of the day



Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

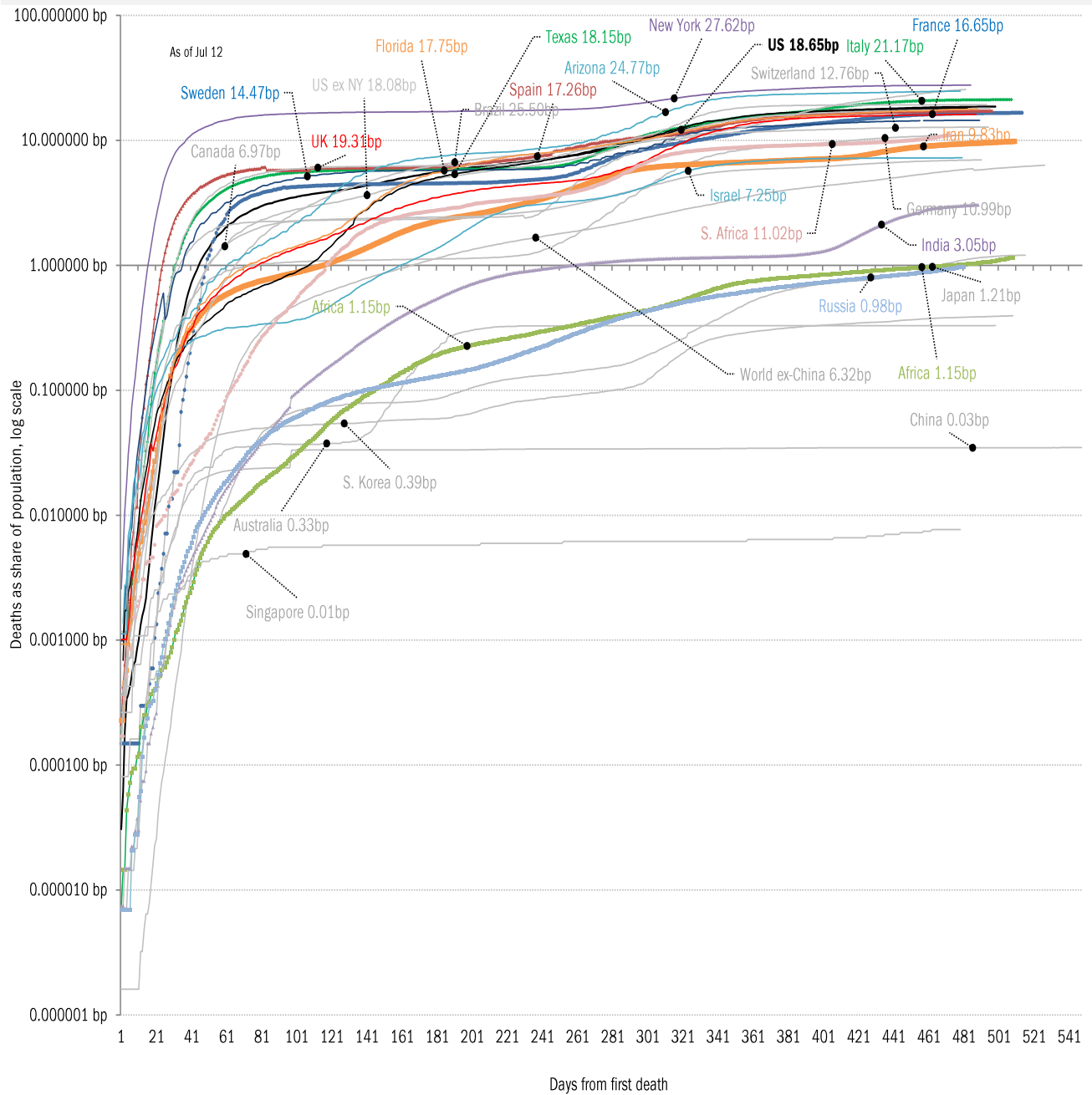
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



Source: [Johns Hopkins](#), TrendMacro calculations

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

Share of deceased population from day of first fatality, log scale

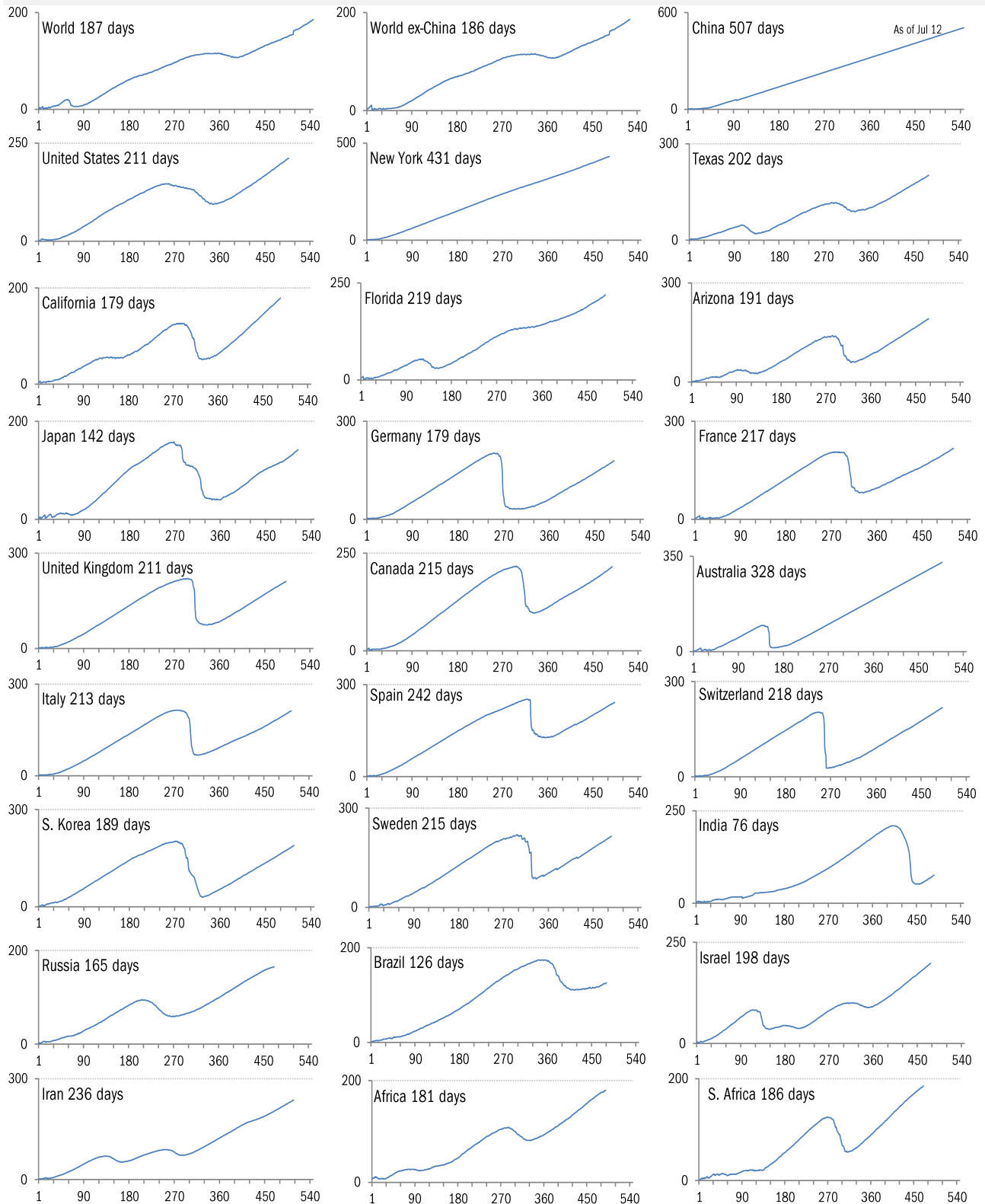


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-19

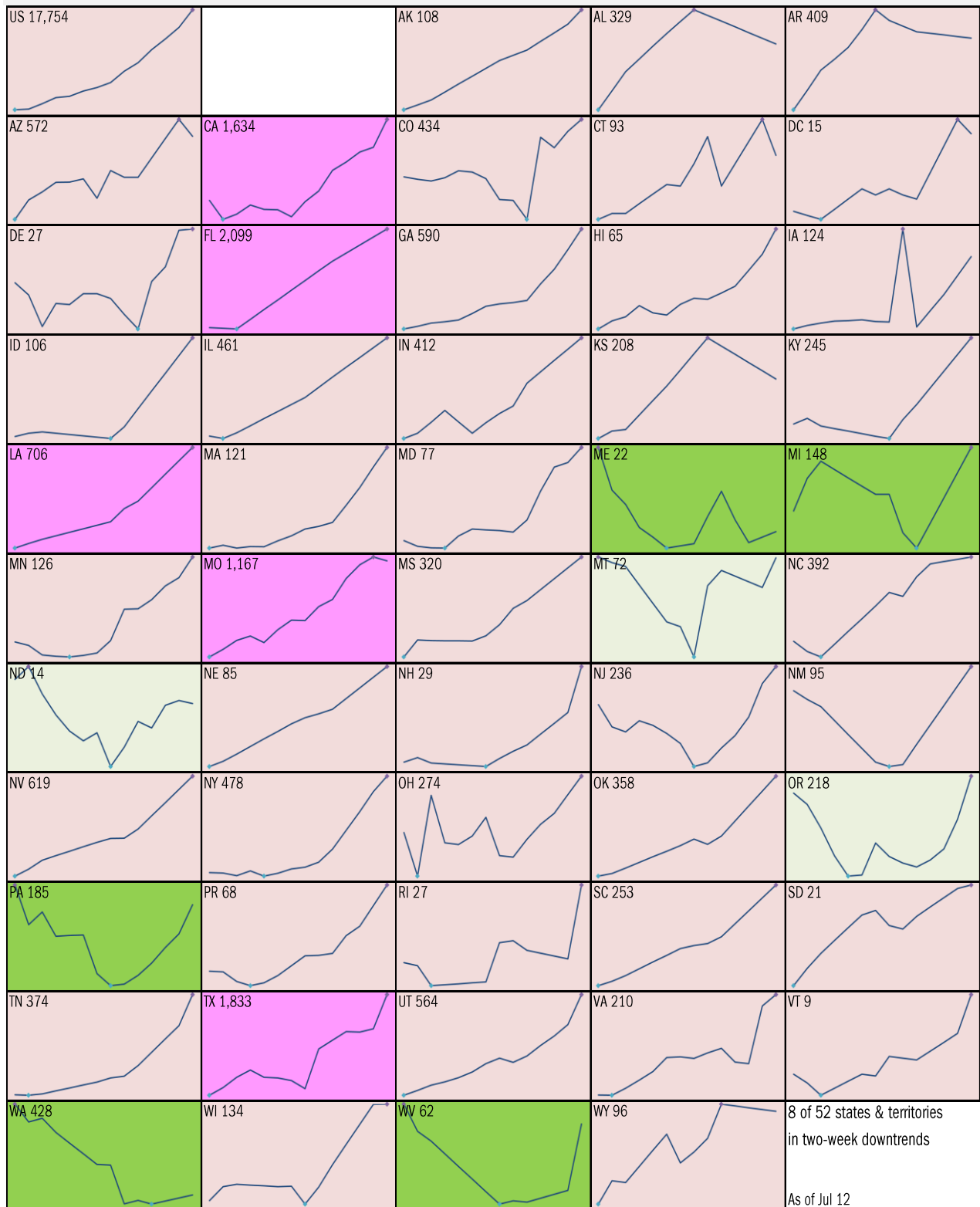
Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread



Source: [Johns Hopkins](#), 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

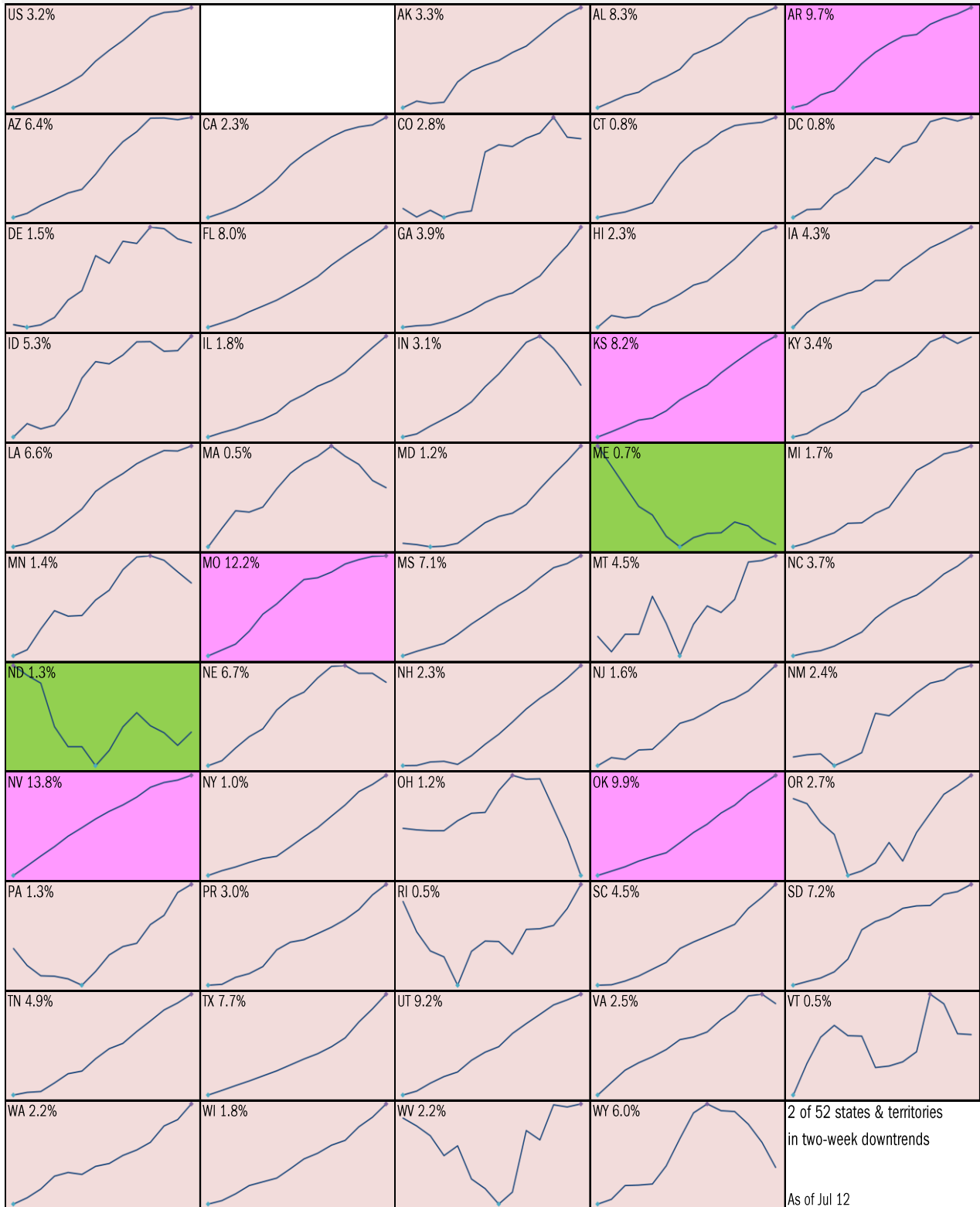


Source: [Johns Hopkins](#), TrendMacro calculations

Alt requirement to [Open Up America Again](#): 14-day "downward trajectory" in pos tests

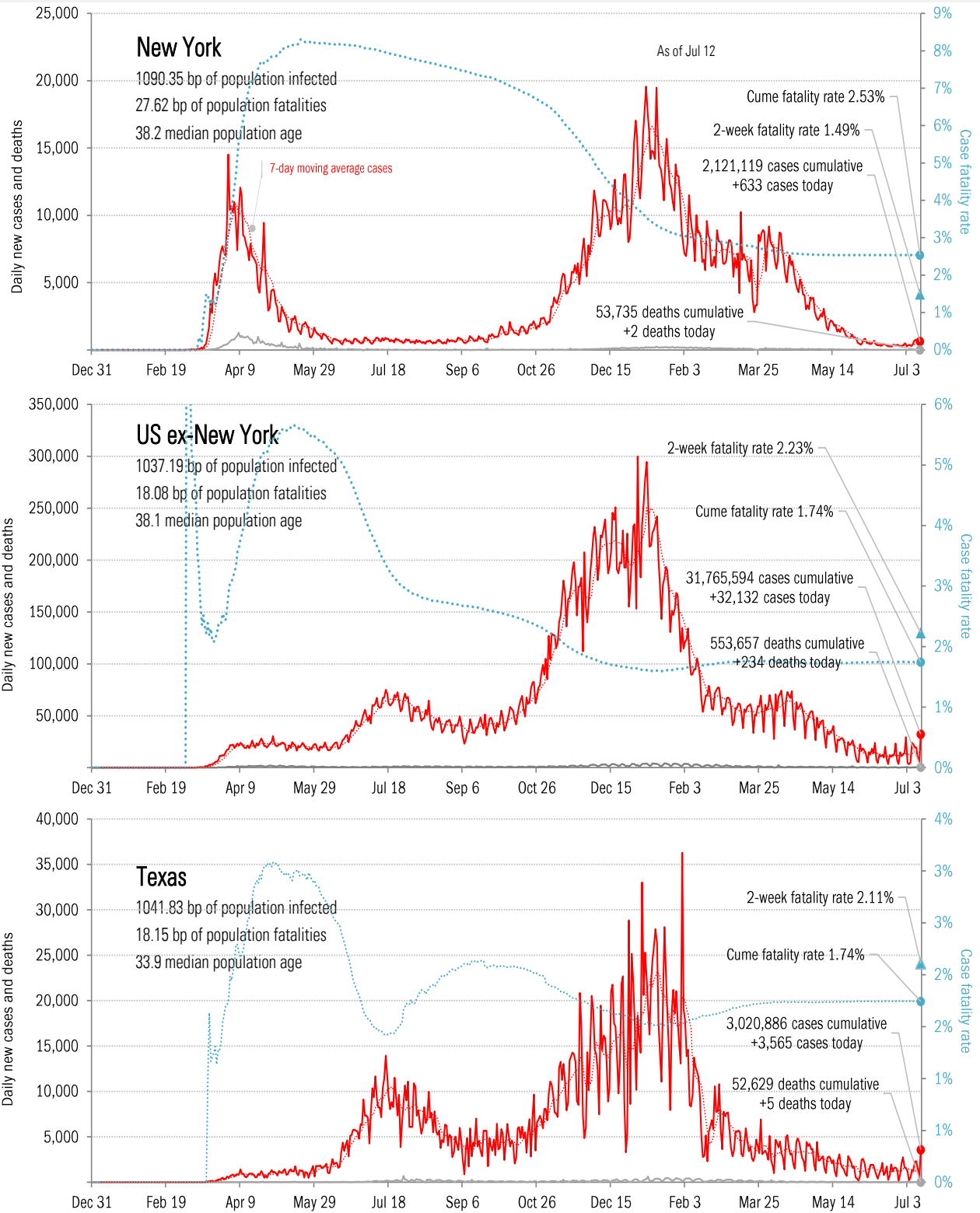
14-day moving average, last 14 days Most recent value displayed ● High ● Low

■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



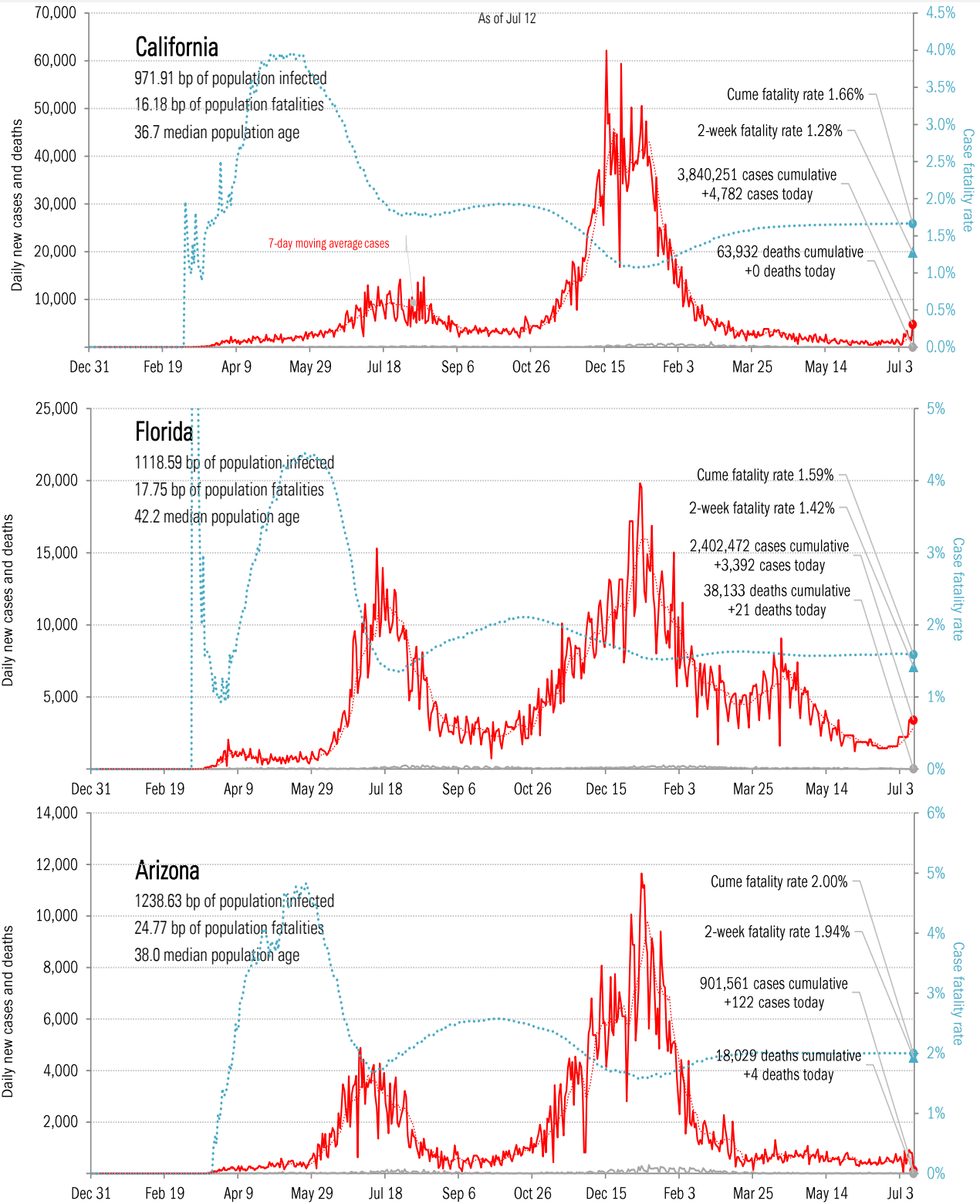
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



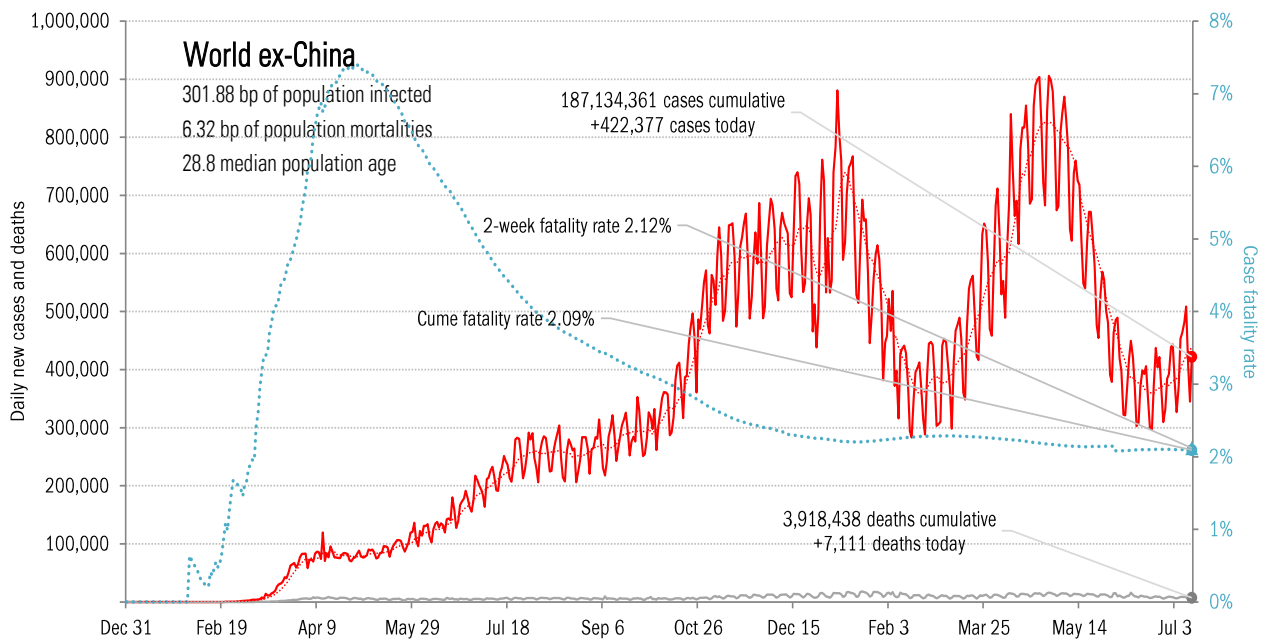
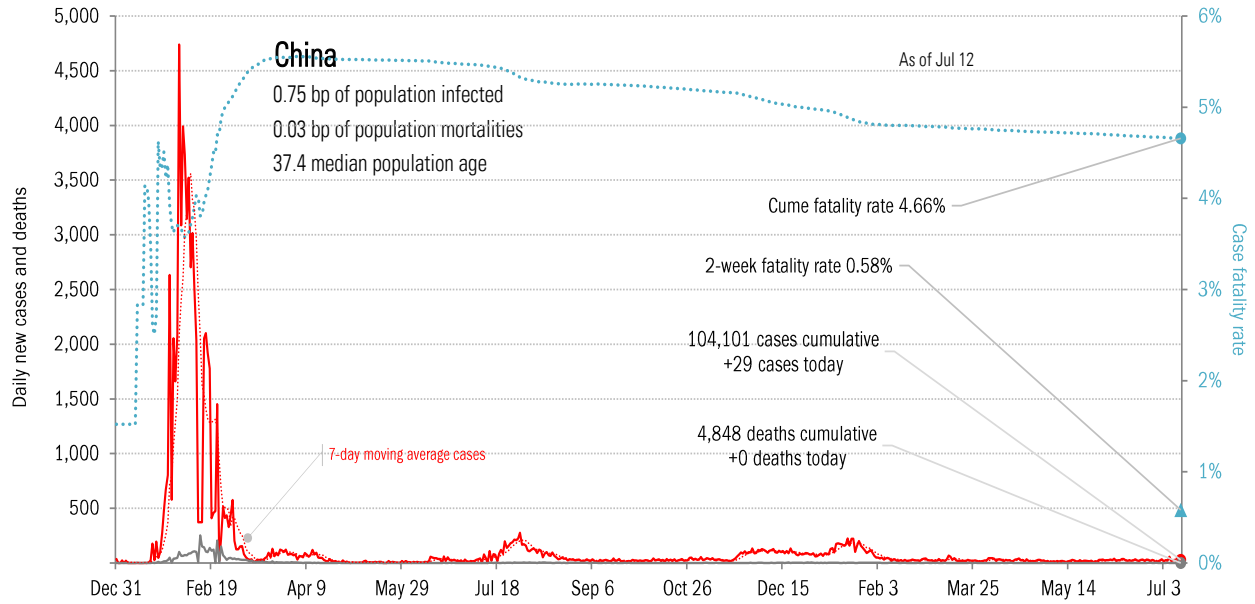
Source: [Johns Hopkins](#), TrendMacro calculations

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



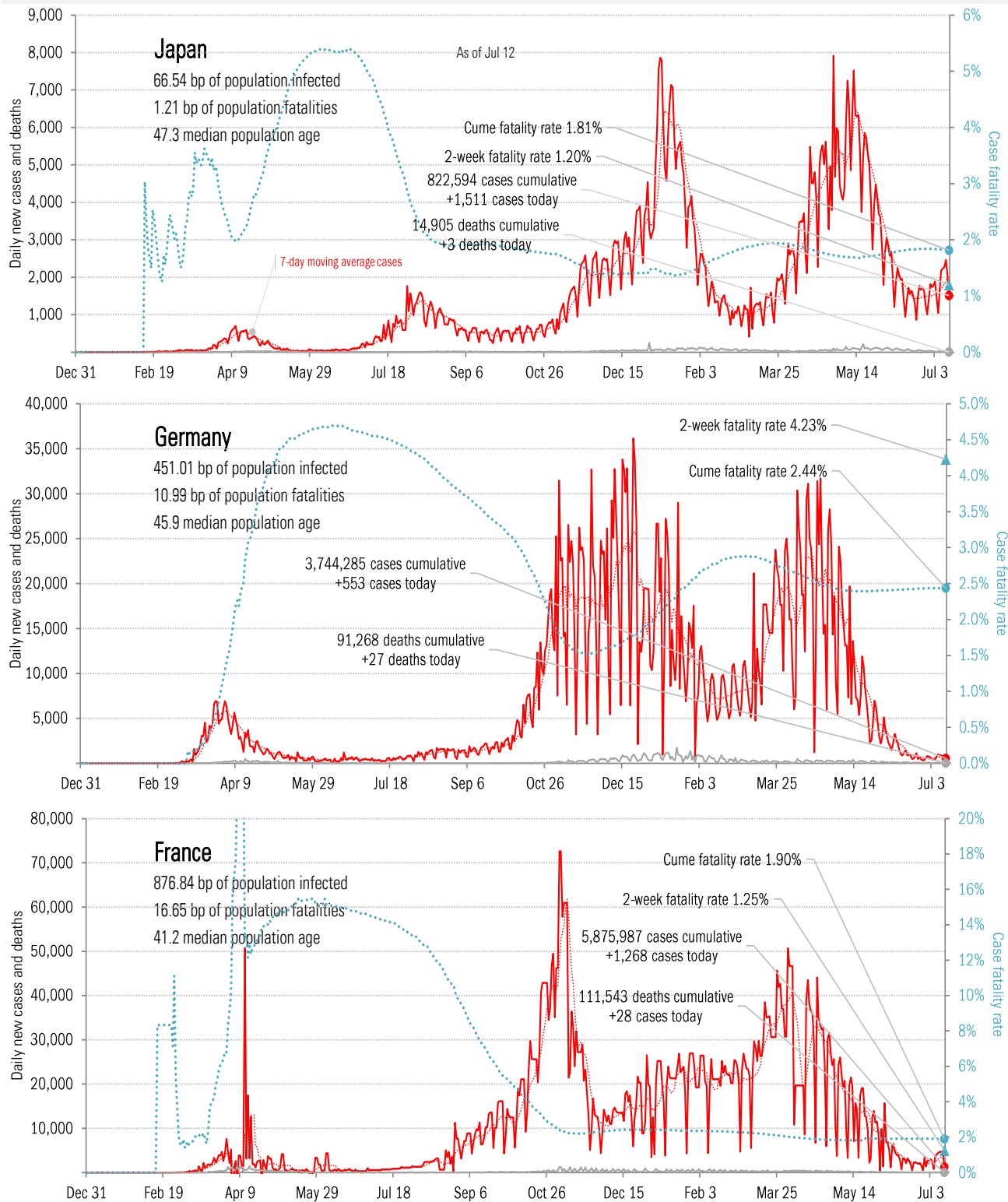
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



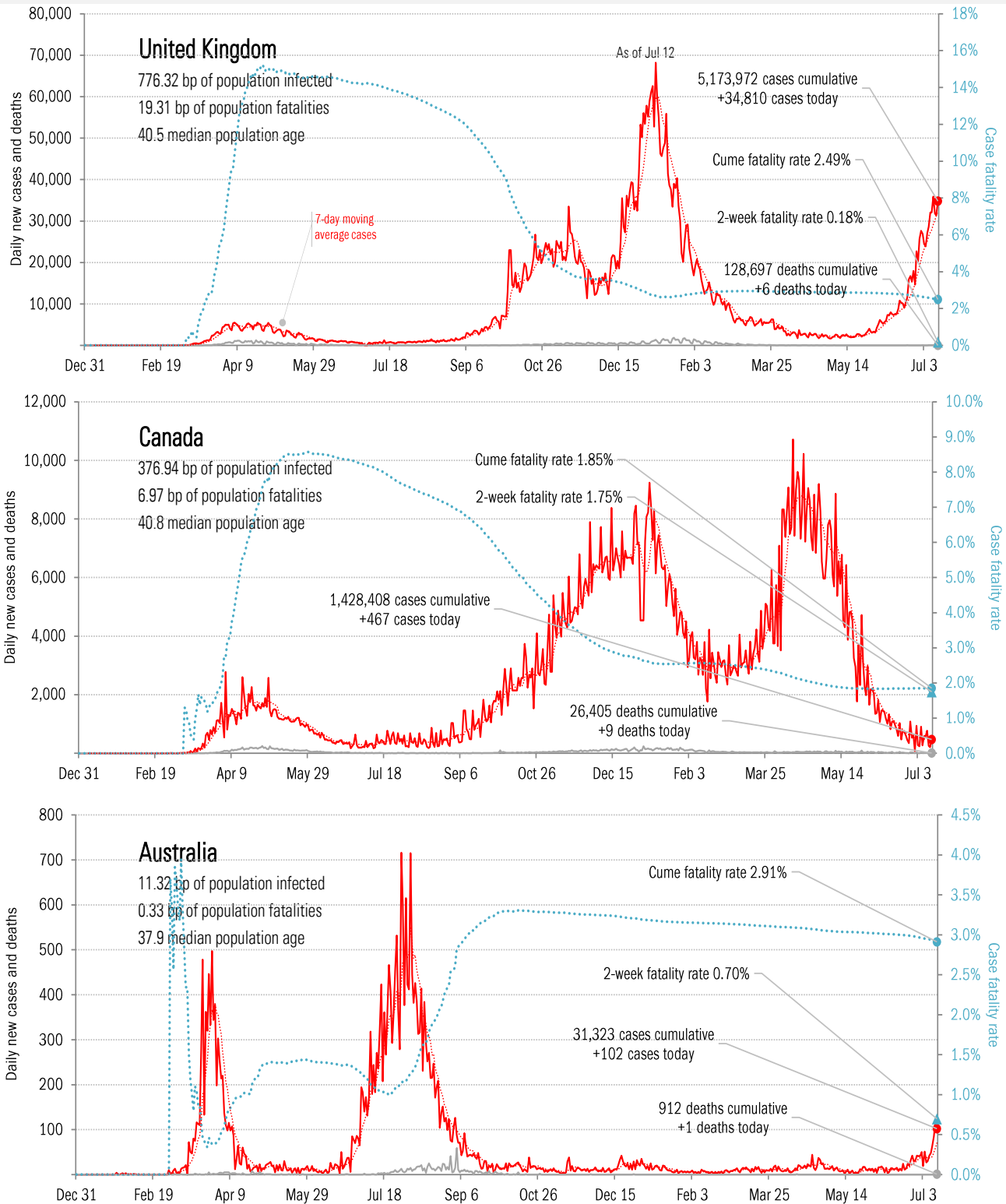
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



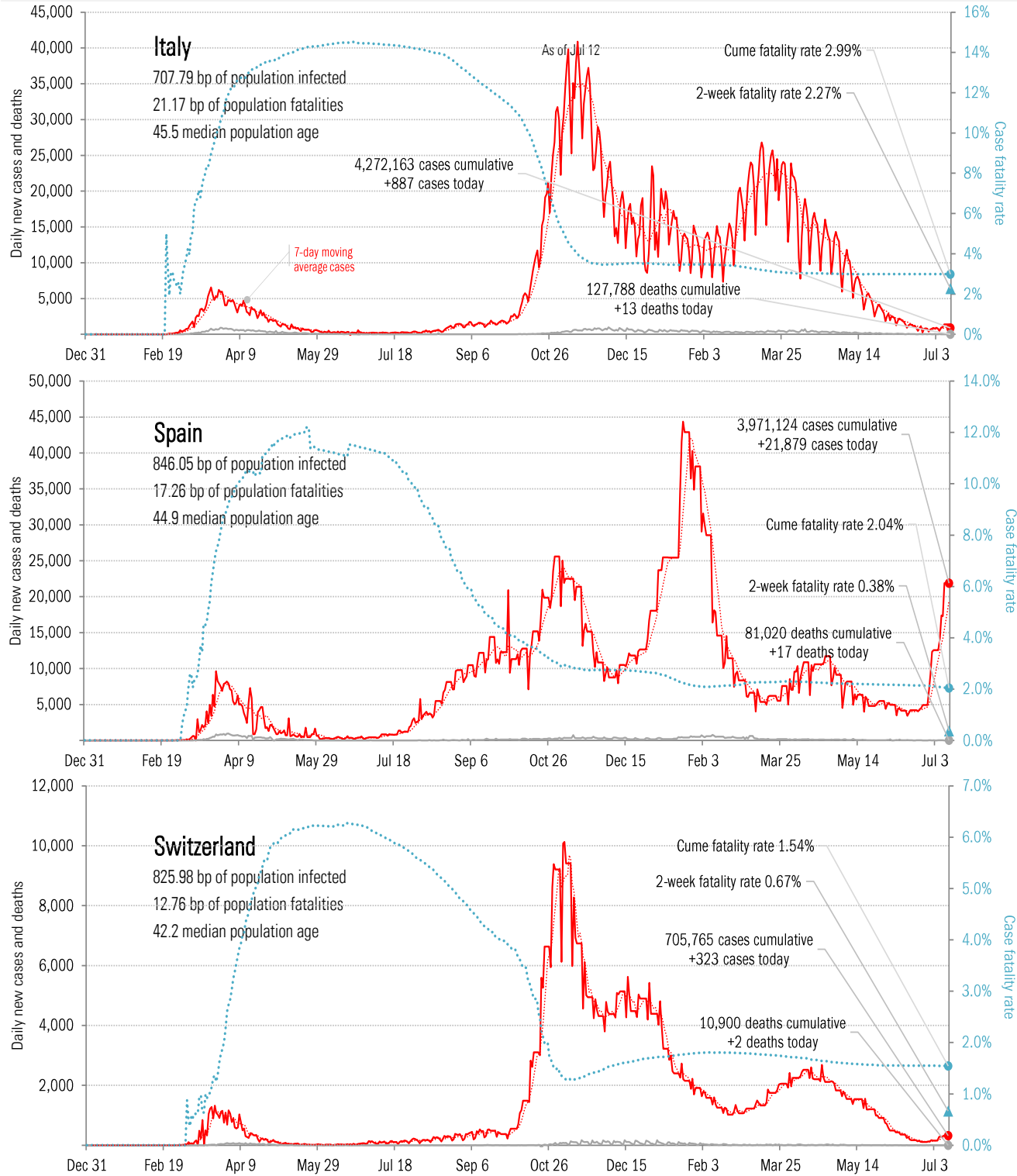
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



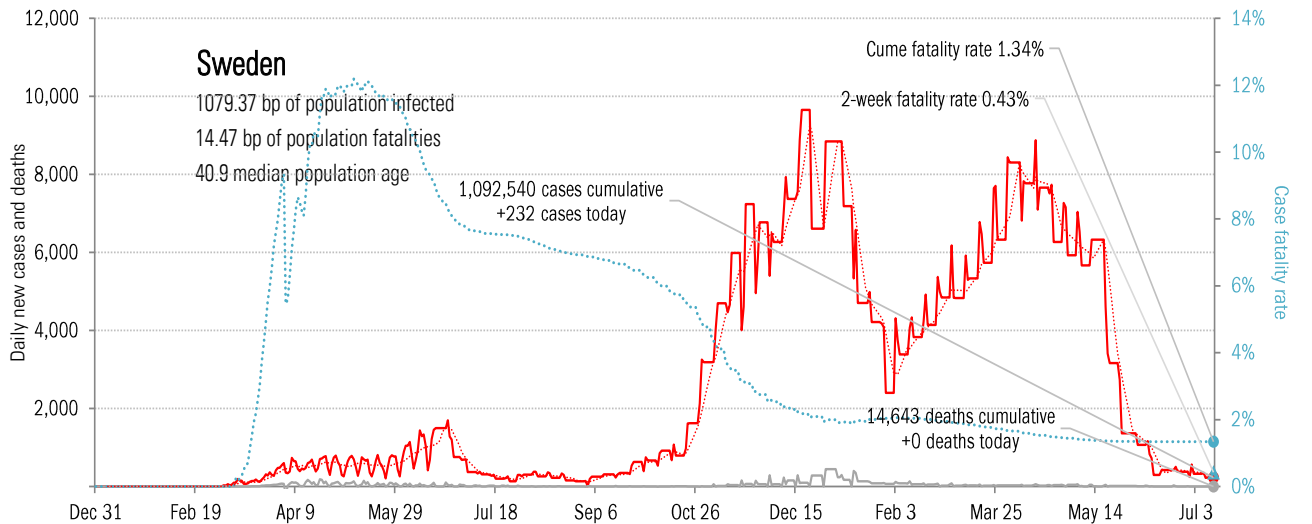
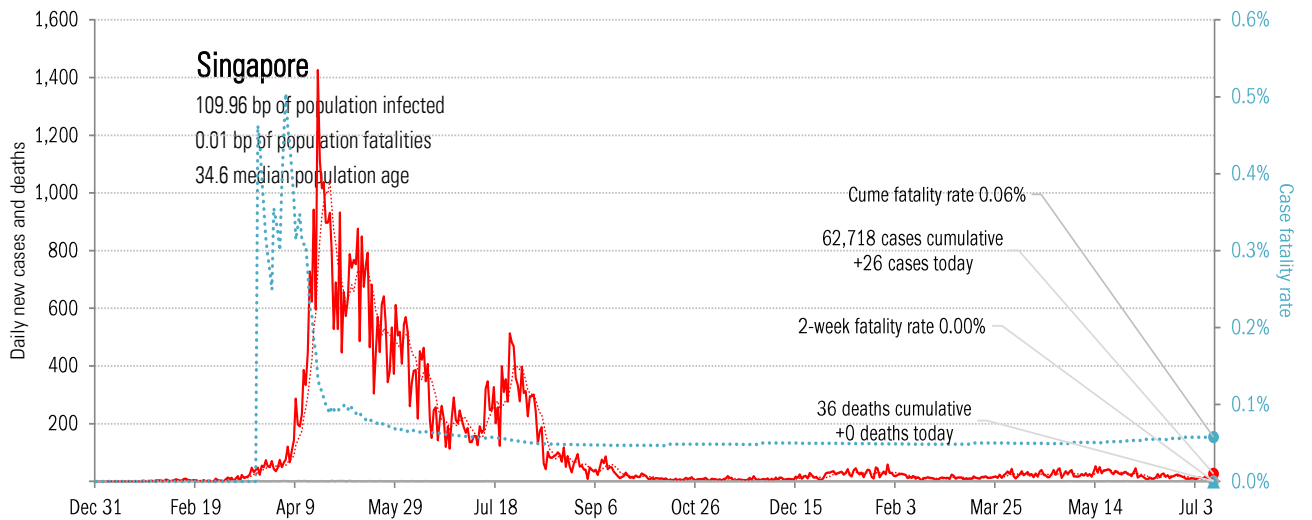
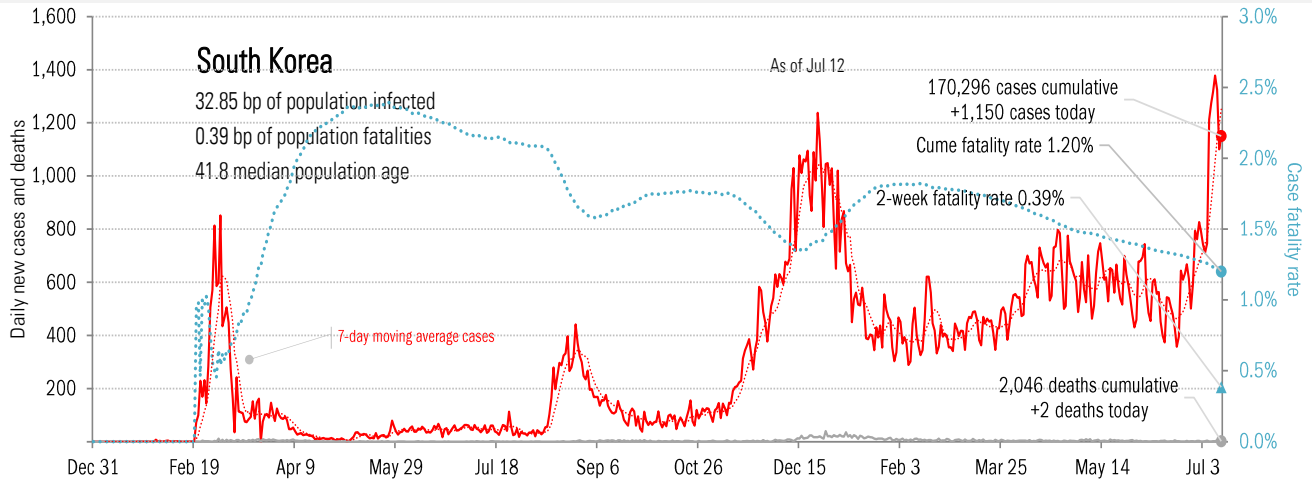
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



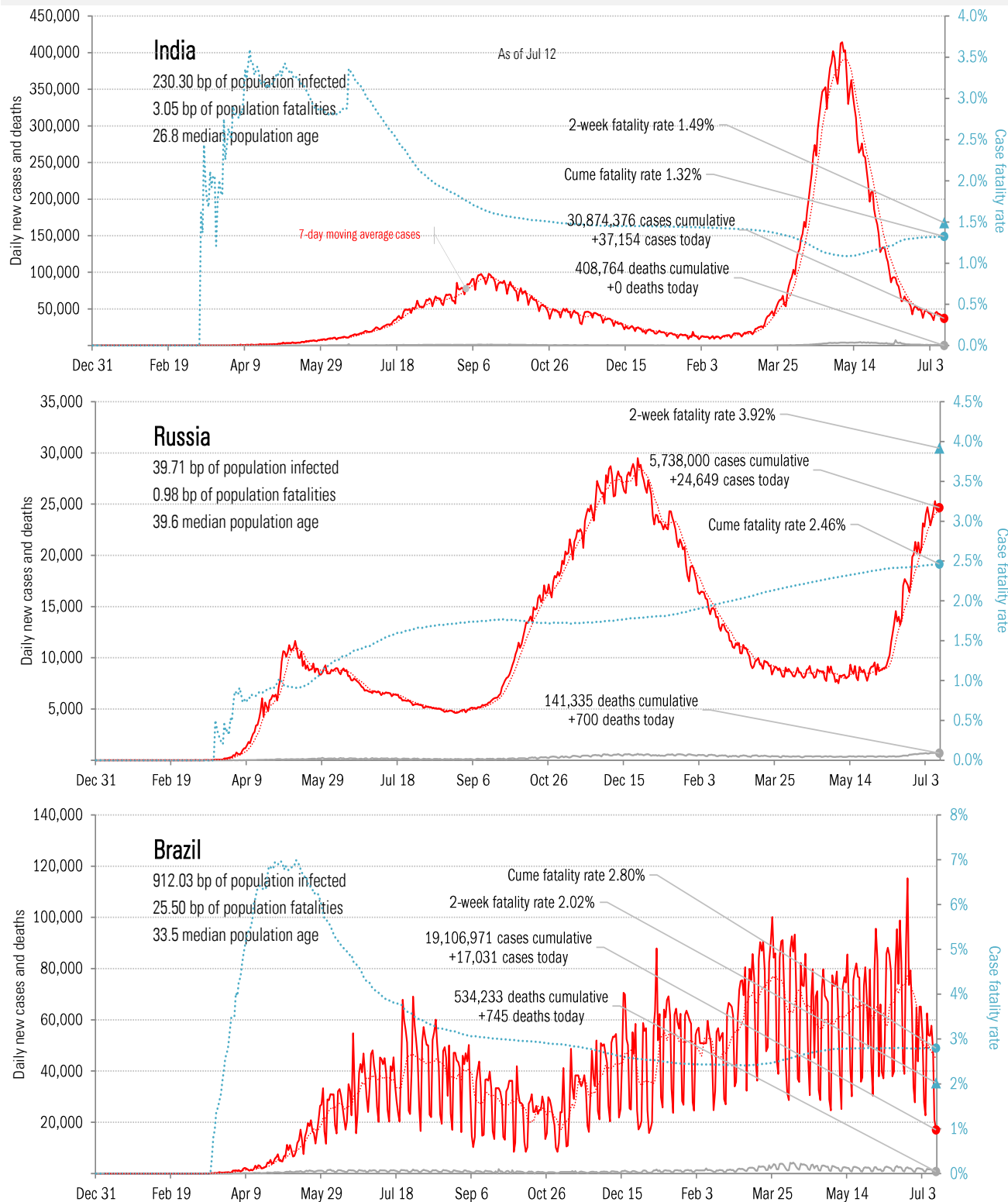
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



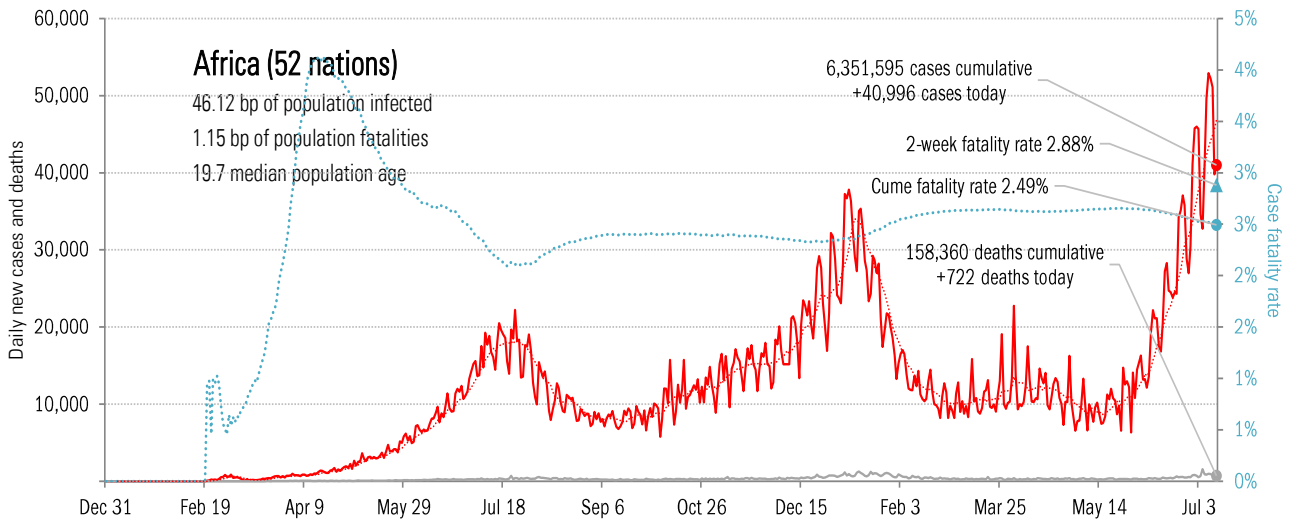
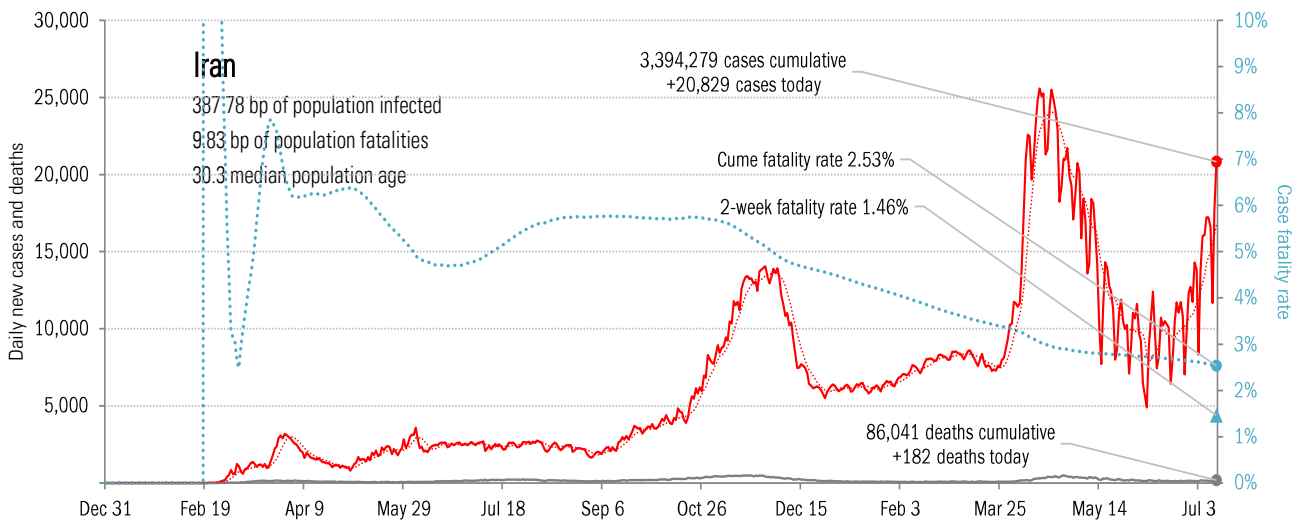
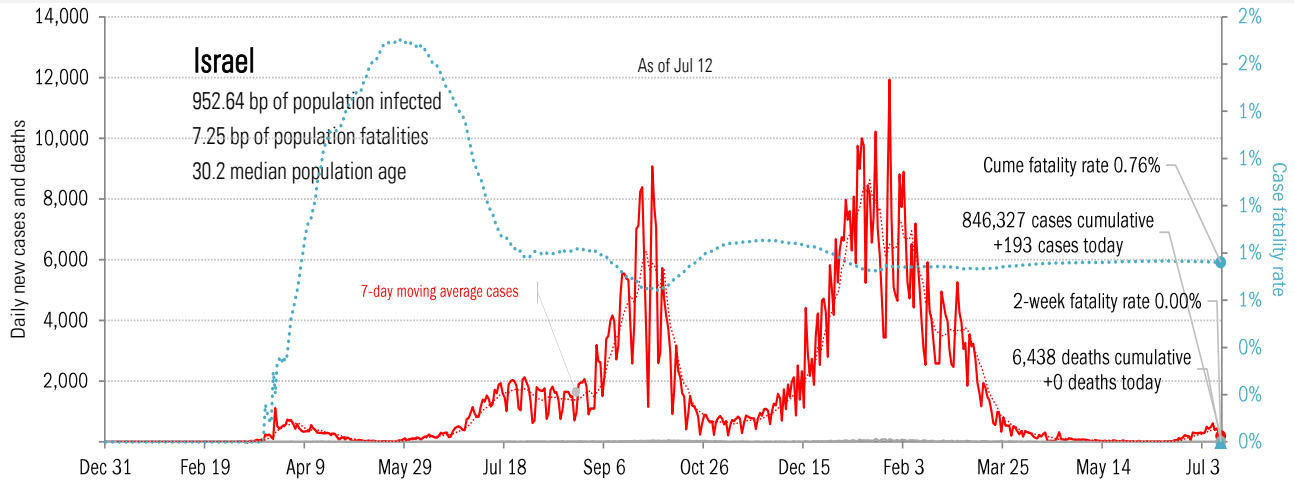
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



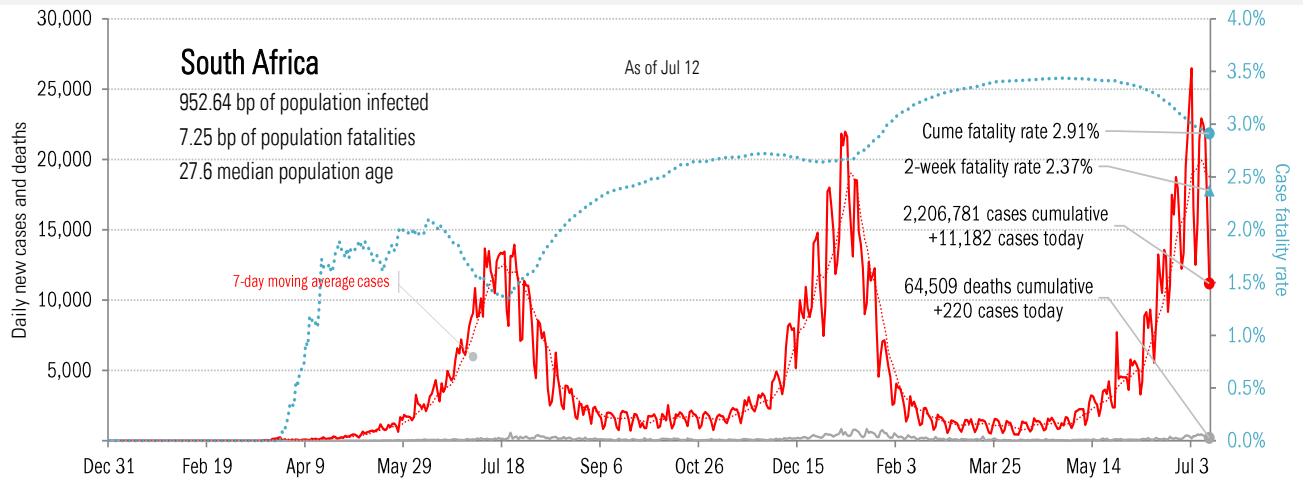
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



Source: [Johns Hopkins](#), TrendMacro calculations

Impact in Africa, continued



Source: [Johns Hopkins](#), TrendMacro calculations