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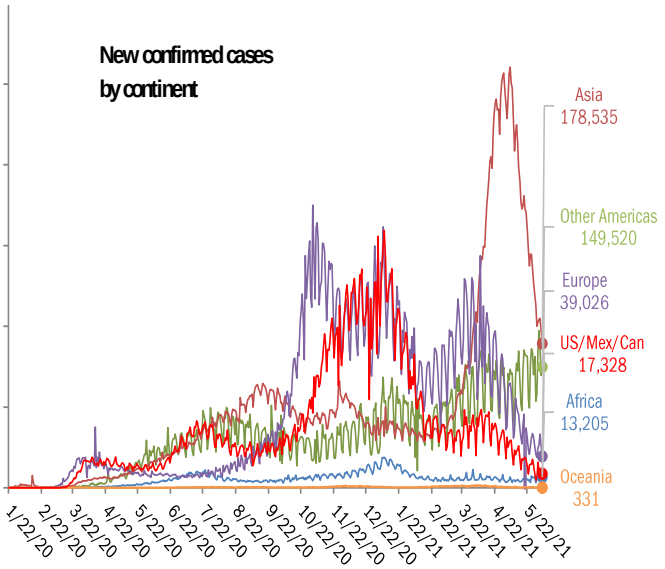
Data Insights: Covid-2019 Monitor

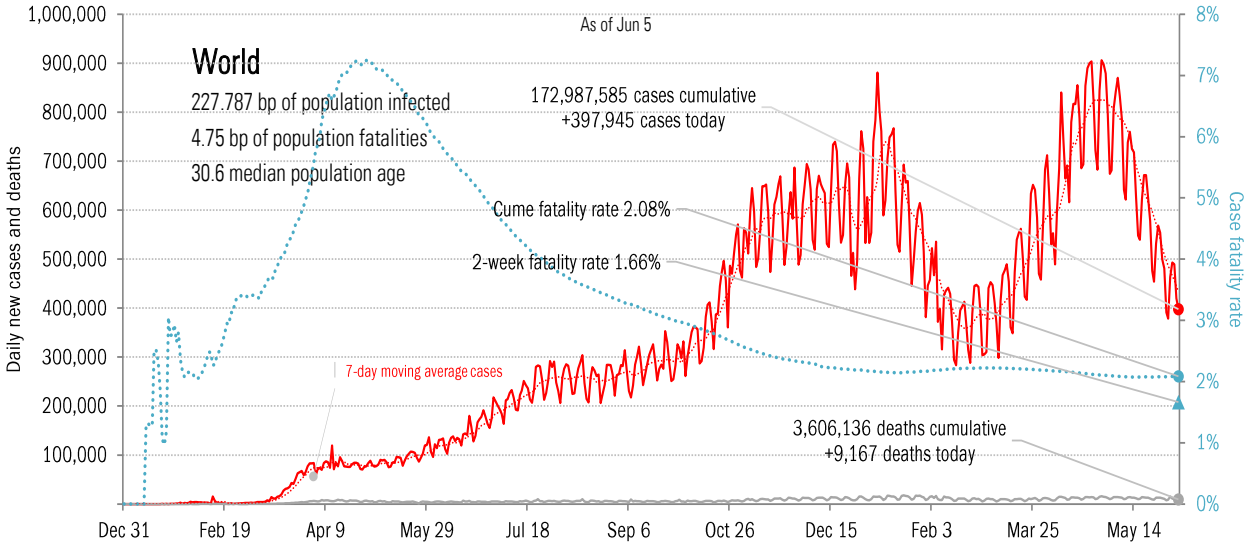
Sunday, June 6, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+114,460	India	+2,677
Brazil	+66,017	Brazil	+1,689
Colombia	+28,971	Colombia	+532
Argentina	+23,627	Argentina	+456
United States	+13,908	Russia	+391
Russia	+9,011	United States	+376
Chile	+8,920	Peru	+260
Malaysia	+7,452	Philippines	+195
Philippines	+6,936	Mexico	+190
France	+6,654	Indonesia	+153
	+285,956		+6,919
World	+397,945	World	+9,167
Top ten	72%	Top ten	75%





Source: Johns Hopkins, TrendMacro calculations

For more information contact us:
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The US scorecard

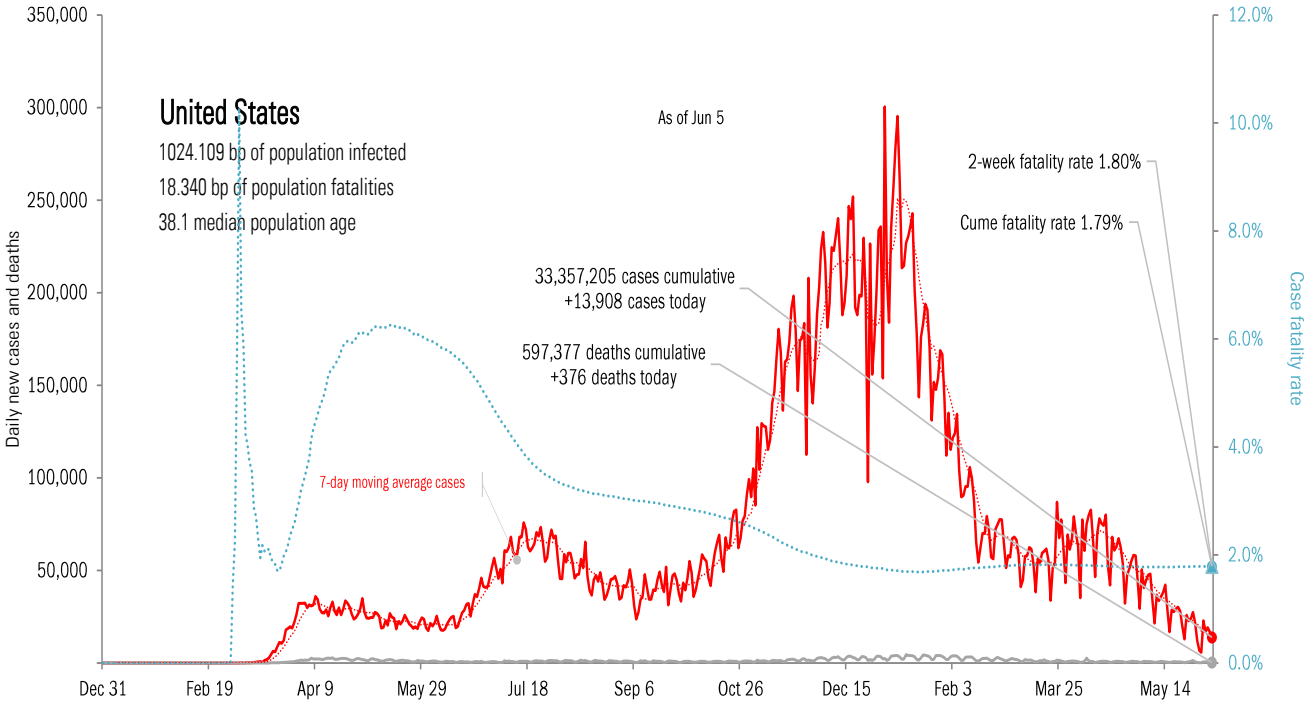
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
FL	+3,000	MI	+77	CA	+38	CA	3,794,927	CA	63,441	TX	249,561	RI	92%	WA	13%
TX	+1,138	GA	+44	GA	+35	TX	2,962,395	NY	53,429	CA	237,075	MA	83%	CO	13%
NY	+836	CA	+40	TX	+21	FL	2,332,867	TX	51,701	FL	181,592	PA	82%	ID	13%
CA	+798	IL	+32	WA	+20	NY	2,105,375	FL	36,973	NY	134,958	MO	82%	MO	13%
WA	+794	AZ	+25	MO	+12	IL	1,384,823	PA	27,343	GA	107,230	MI	80%	MI	11%
CO	+731	TX	+25	MS	+12	PA	1,209,894	NJ	26,273	PA	90,485	MD	80%	ME	10%
NJ	+577	IN	+24	WI	+7	GA	1,125,854	IL	25,314	OH	86,374	MN	79%	MS	10%
IL	+540	PA	+18	CT	+5	OH	1,104,380	GA	20,986	IL	81,317	WV	78%	OR	10%
MO	+507	MN	+16	ND	+5	NJ	1,017,695	MI	20,588	KY	75,938	CT	78%	WV	10%
MI	+429	NY	+13	NV	+5	NC	1,004,669	OH	19,980	MI	72,198	DC	77%	UT	9%
	+9,350		+314		+160		18,042,879		346,028		1,316,728				
All states	+13,908		+376		-146	All states	33,357,205		597,377		2,344,450	All states	70%		67%
Top ten	67%		84%		-110%	Top ten	54%		58%		56%	Median	72%		7%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-948	OH	-57	FL	-70	VT	+68 bp
NC	-680	NY	-46	OH	-30	PR	+53 bp
AL	-557	WI	-31	AL	-23	UT	+49 bp
CA	-369	NC	-21	VA	-22	CA	+45 bp
LA	-364	TX	-18	CO	-17	RI	+41 bp



Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

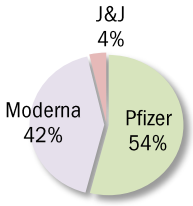
Rolling out the vaccines in the US and the world

US overall	Total				Today
Doses distributed	384,055,065				+2.369 million
Doses administered	309,459,698				+1.172 million
Administered	**One dose**	**% Pop**	**Immune**	**% pop**	**New immune today**
Total population	174,788,397	52%	142,062,068	43%	+0.670 million
Age 12 to 17	6,657,004	26%	2,536,935	10%	+0.118 million
Age 18 to 64	119,269,956	59%	96,795,201	48%	+0.473 million
Age 65 and over	48,774,545	89%	42,717,153	78%	+0.076 million

Immunity	Full	Partial
US	41.3%	50.9%
UK	40.0%	59.1%
France	18.3%	40.8%
Spain	21.9%	40.7%
Germany	20.6%	45.1%
Italy	21.3%	42.4%
Australia	2.2%	17.1%
Israel	59.4%	63.0%
Canada	7.2%	61.1%
Japan	3.1%	9.2%
Africa	0.7%	1.9%
India	3.2%	13.1%
Brazil	10.8%	22.9%

Global data differs from sources, timing

China NA



At today's dosing pace,
every American >18 immune in
145 days
by Oct 27, 2021

66.7% of population >18 immunized
14.0% previously tested positive
80.7% vs 60% adult herd immunity*

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

Best
Middle
Worst

AK			HI			ME		
59.7%			69.0%			71.0%		
46.6%			67.4%			64.1%		
39.8%			48.2%			55.8%		
						VT	NH	
						76.7%	69.1%	
						71.2%	60.4%	
						57.8%	50.3%	
					WI			
					54.1%			
					51.4%			
					44.9%			
WA	ID	MT	ND	MN	IL	MI		NY	MA	
62.7%	48.2%	54.4%	48.1%	59.6%	60.0%	60.2%		62.5%	72.0%	
57.3%	37.9%	45.4%	42.4%	54.9%	55.7%	49.1%		56.5%	67.2%	
47.5%	33.2%	38.4%	36.8%	46.8%	40.7%	42.6%		47.8%	55.0%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
68.6%	51.0%	46.9%	56.5%	56.3%	51.5%	54.6%	63.7%	66.3%	68.2%	73.1%
55.6%	46.1%	37.4%	48.5%	49.7%	42.3%	46.4%	59.4%	61.1%	63.8%	61.7%
46.6%	37.4%	32.1%	42.7%	44.4%	36.1%	40.8%	44.9%	49.7%	54.1%	52.8%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
64.0%	51.9%	62.5%	55.2%	51.2%	51.9%	55.0%	61.9%	71.2%	67.5%	
57.7%	45.7%	54.9%	48.8%	42.5%	46.8%	41.0%	55.9%	58.1%	55.2%	
44.2%	33.0%	46.1%	42.8%	34.7%	38.8%	34.3%	46.0%	49.1%	43.9%	
	AZ	NM	KS	AR	TN	NC	SC	DC		
	57.2%	58.3%	54.7%	49.2%	47.8%	57.7%	53.0%	78.1%		
	46.9%	58.2%	47.1%	40.0%	39.6%	43.7%	41.4%	57.6%		
	36.6%	48.4%	38.7%	31.6%	32.2%	36.6%	34.6%	47.0%		
			OK	LA	MS	AL	GA			
			52.8%	45.1%	46.7%	50.2%	54.0%			
			41.8%	36.2%	34.3%	36.1%	40.5%			
			34.0%	31.7%	27.5%	29.4%	33.1%			
			TX					FL		PR
			56.5%					59.9%		63.9%
			44.9%					49.9%		52.2%
			36.2%					39.9%		38.6%

As of Jun 5

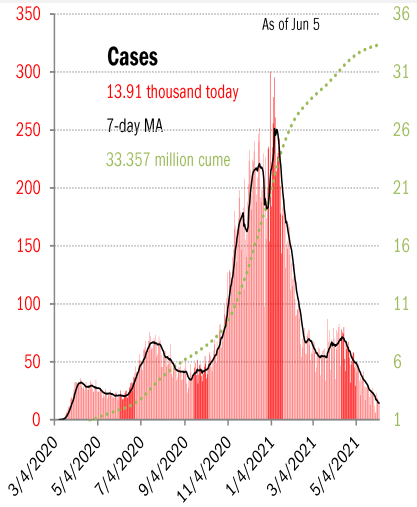
* Includes persons >18 fully immunized or previosuly tested positive, no overlap. Disregards untested positives, natural immunities.

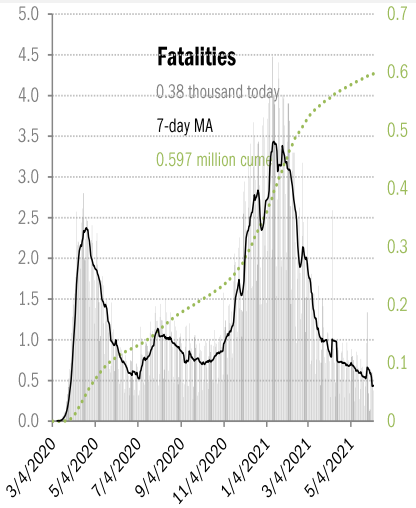
** One dose of Pfizer/Moderna counts as half an immunity, one dose of J&J as a full immunity

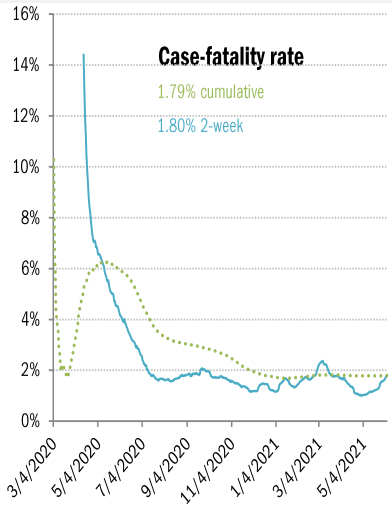
Source: CDC, CDC, Our World in Data, TrendMacro calculations

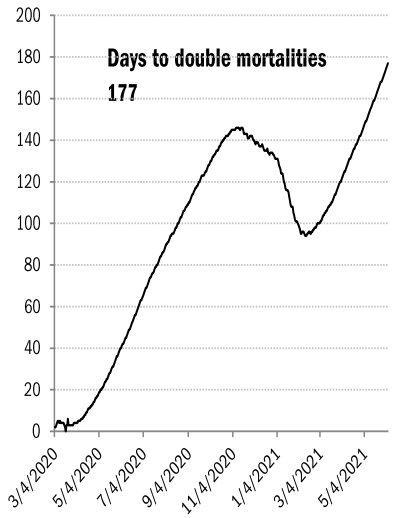
US deep-dive

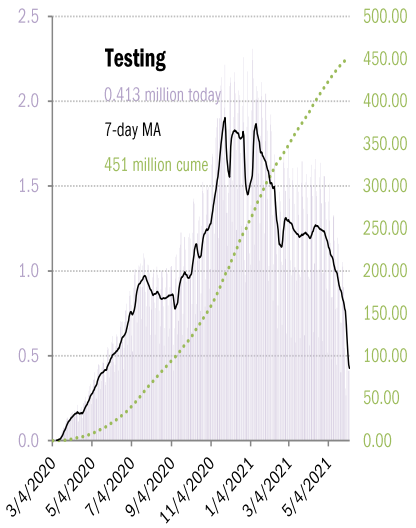
National and state-by-state data do not line up because of different sources

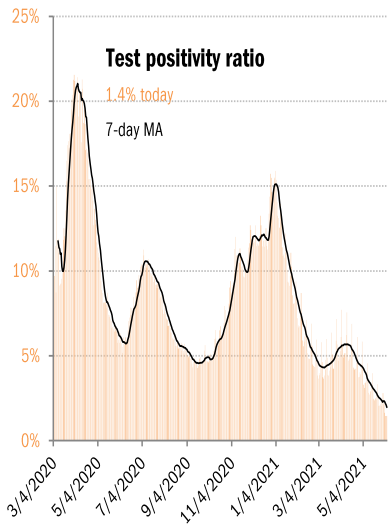


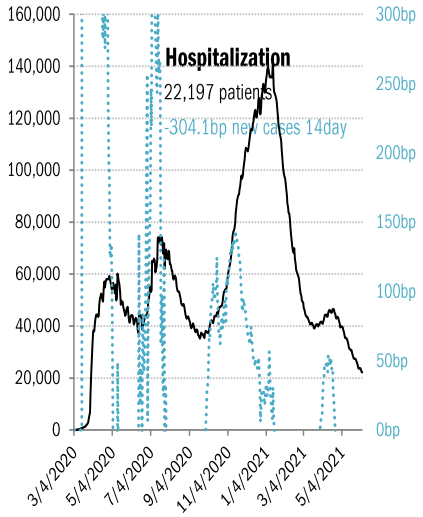


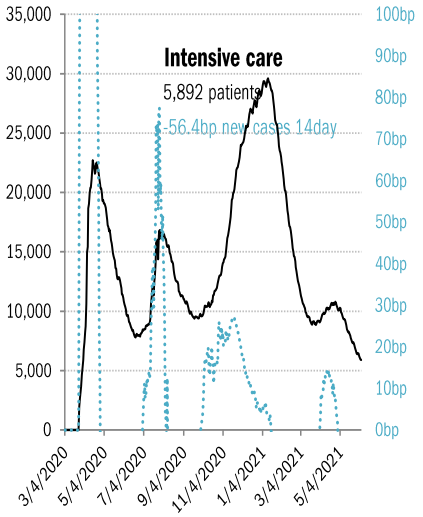


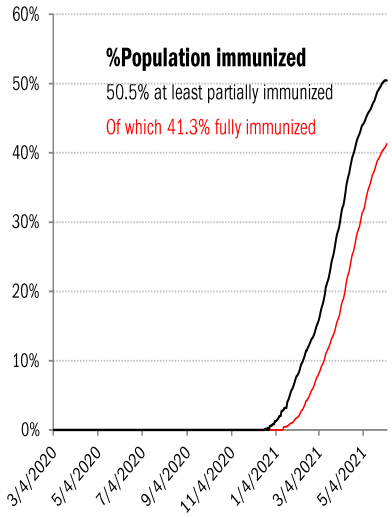












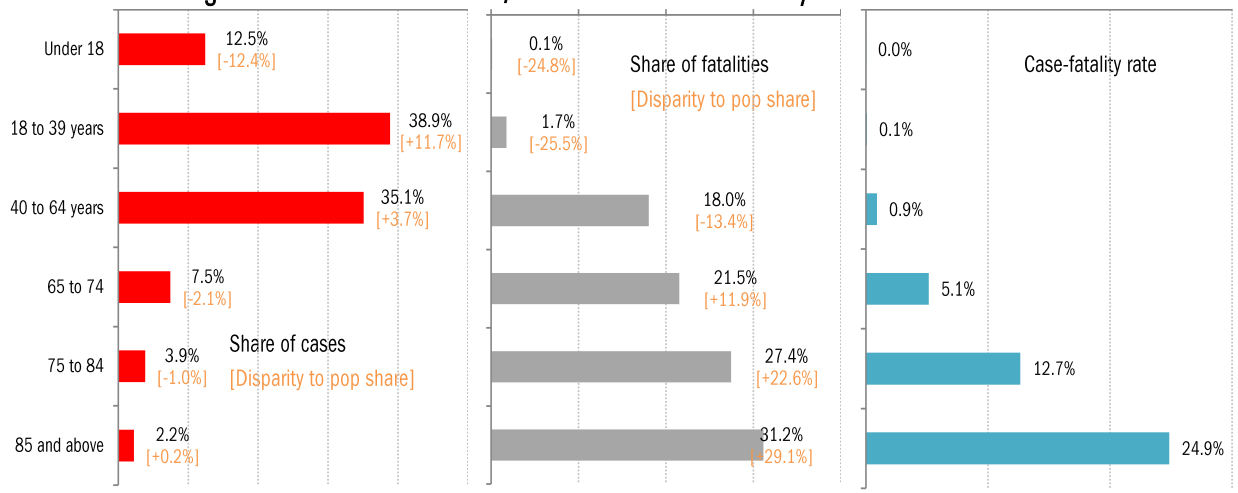
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

US deep-dive on the demographics of age, race and health

Updates weekly on Sundays

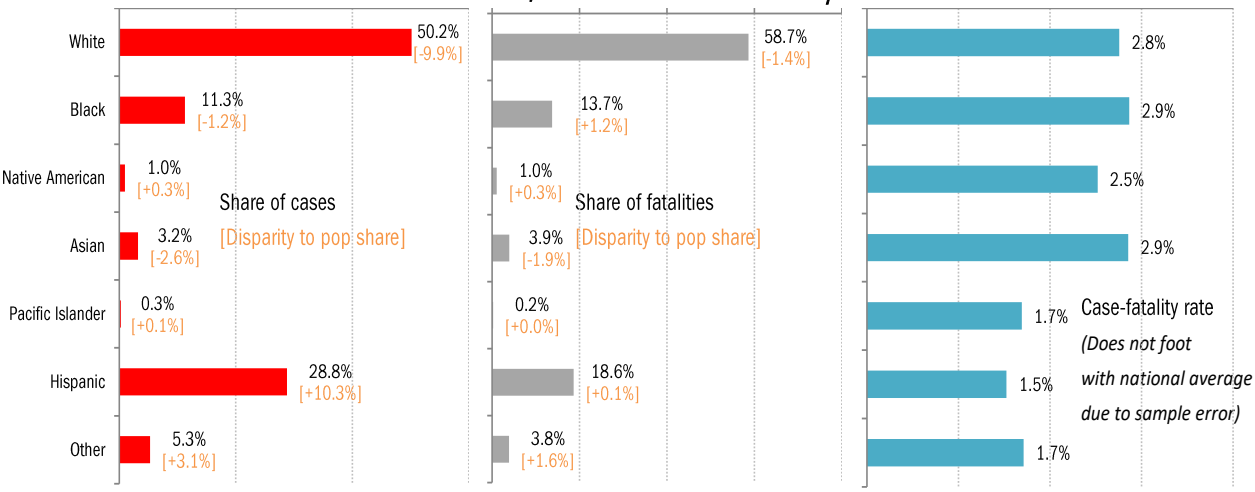
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



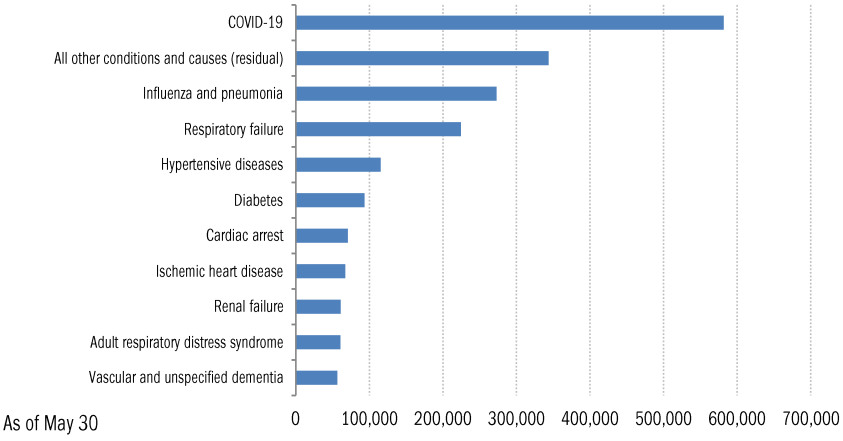
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of May 30

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.

Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended reading

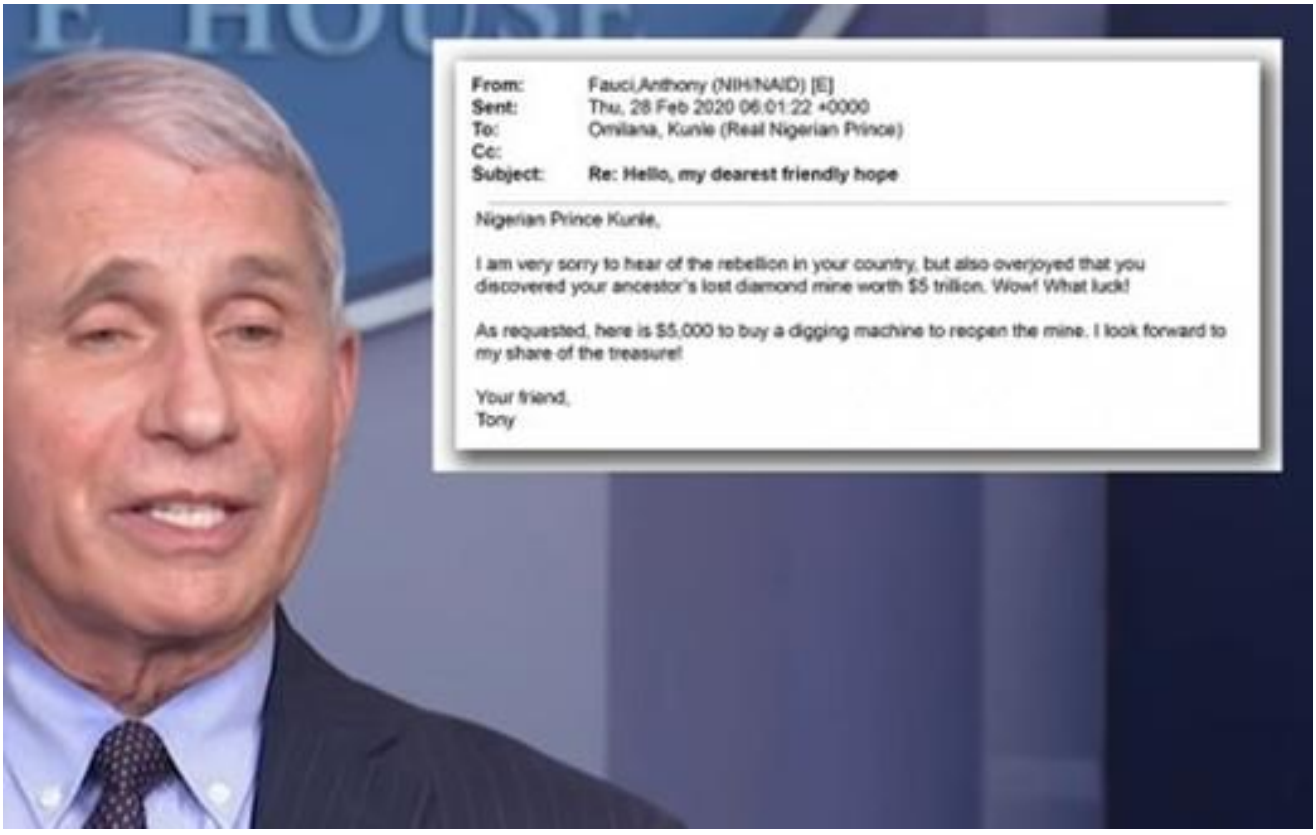
[As Vaccines Turn Pandemic's Tide, U.S. and Europe Diverge on Path Forward]
Benjamin Mueller and Marc Santora
New York Times
June 5, 2021

[Teens Are Rarely Hospitalized With Covid, but Cases Can Be Severe]
Apoorva Mandavilli
New York Times
June 4, 2021

[US-linked Chinese military scientist filed patent for COVID vaccine just after contagion emerged: report]
Lee Brown
New York Post
June 4, 2021

[Exclusive: How Amateur Sleuths Broke the Wuhan Lab Story and Embarrassed the Media]
Rowan Jacobson
Newsweek
June 2, 2021

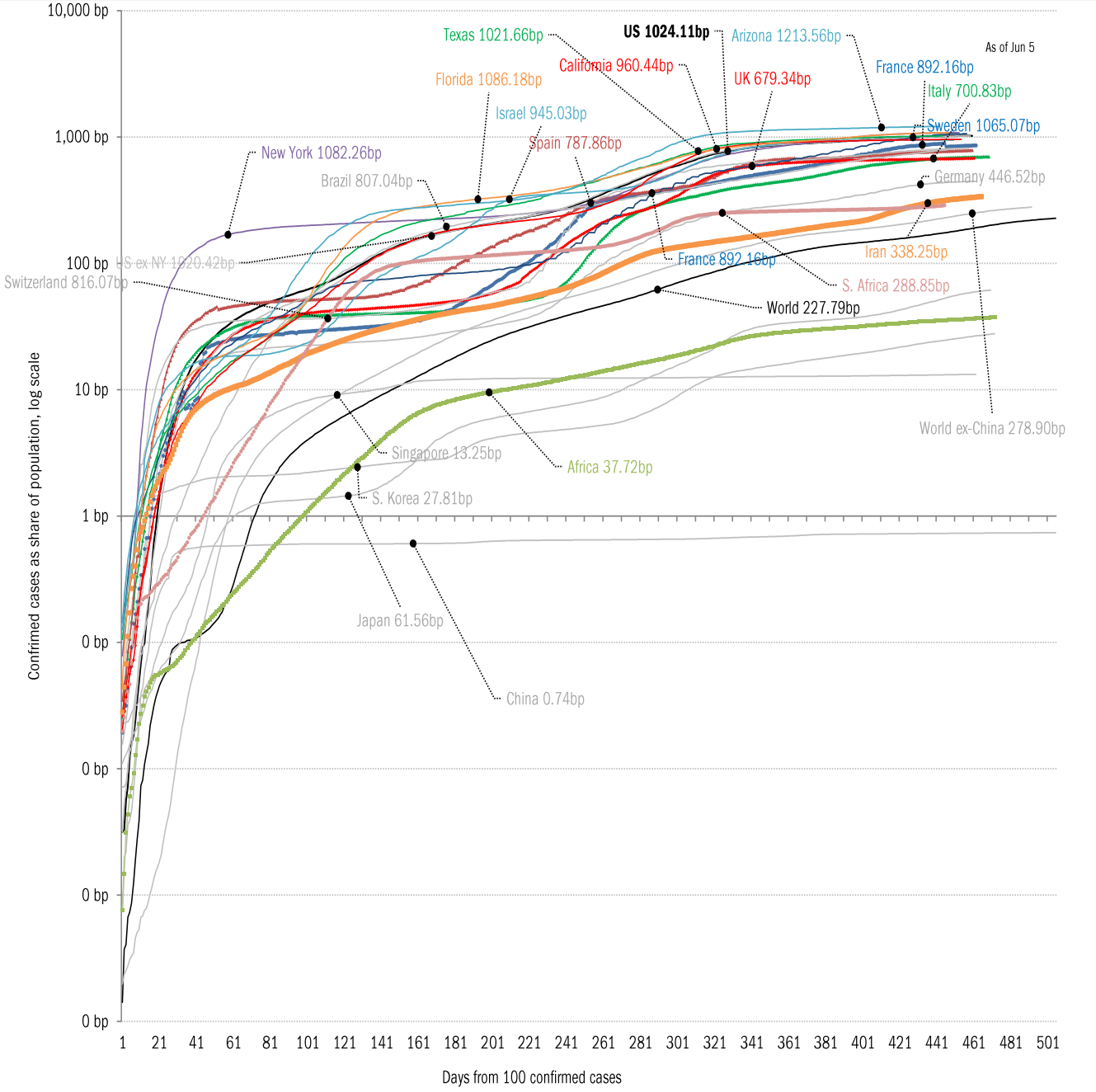
Meme of the day



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

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

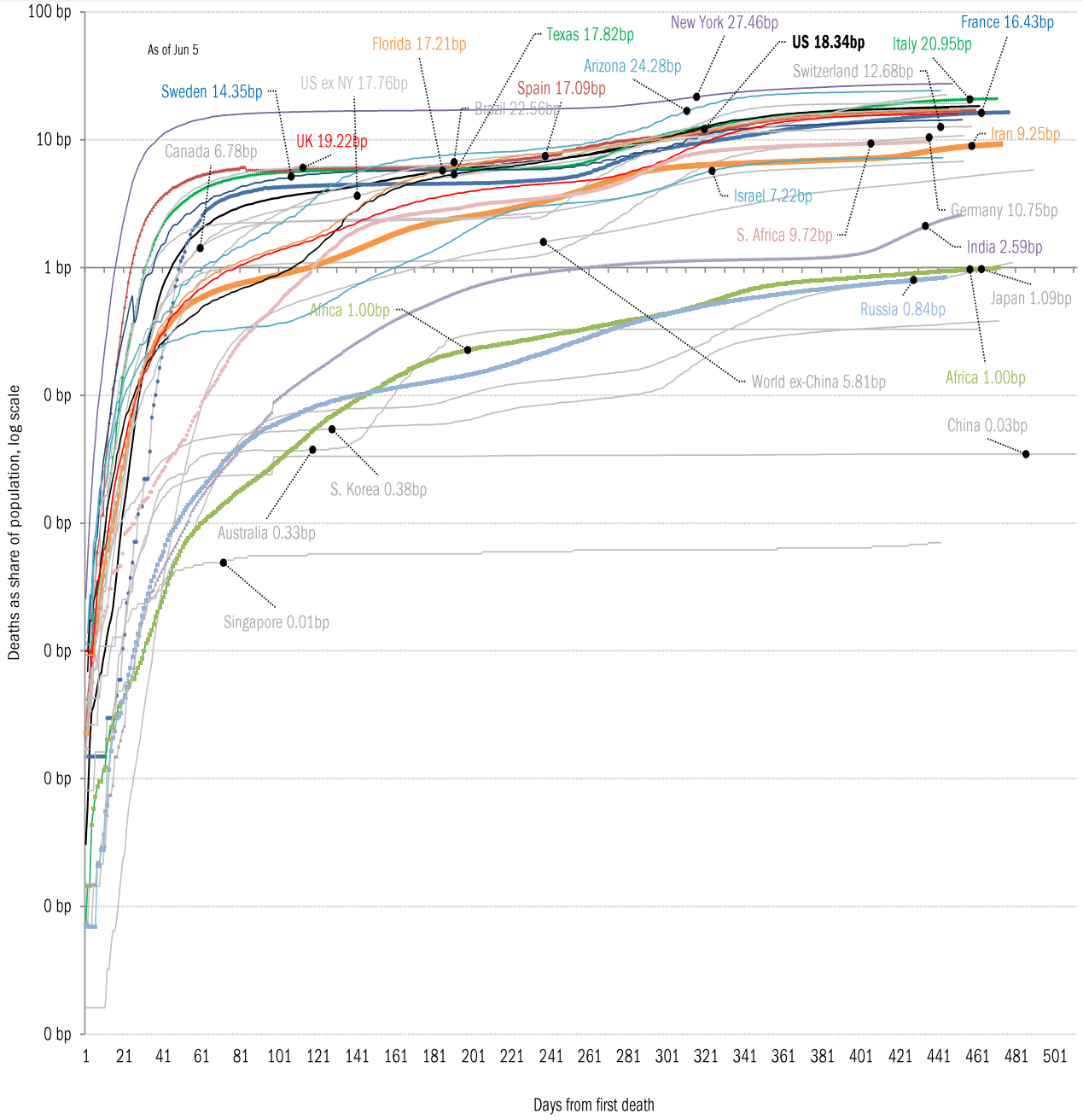
Share of infected population from first day with 100 confirmed cases, log scale



Source: Johns Hopkins, TrendMacro calculations

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

Share of deceased population from day of first fatality

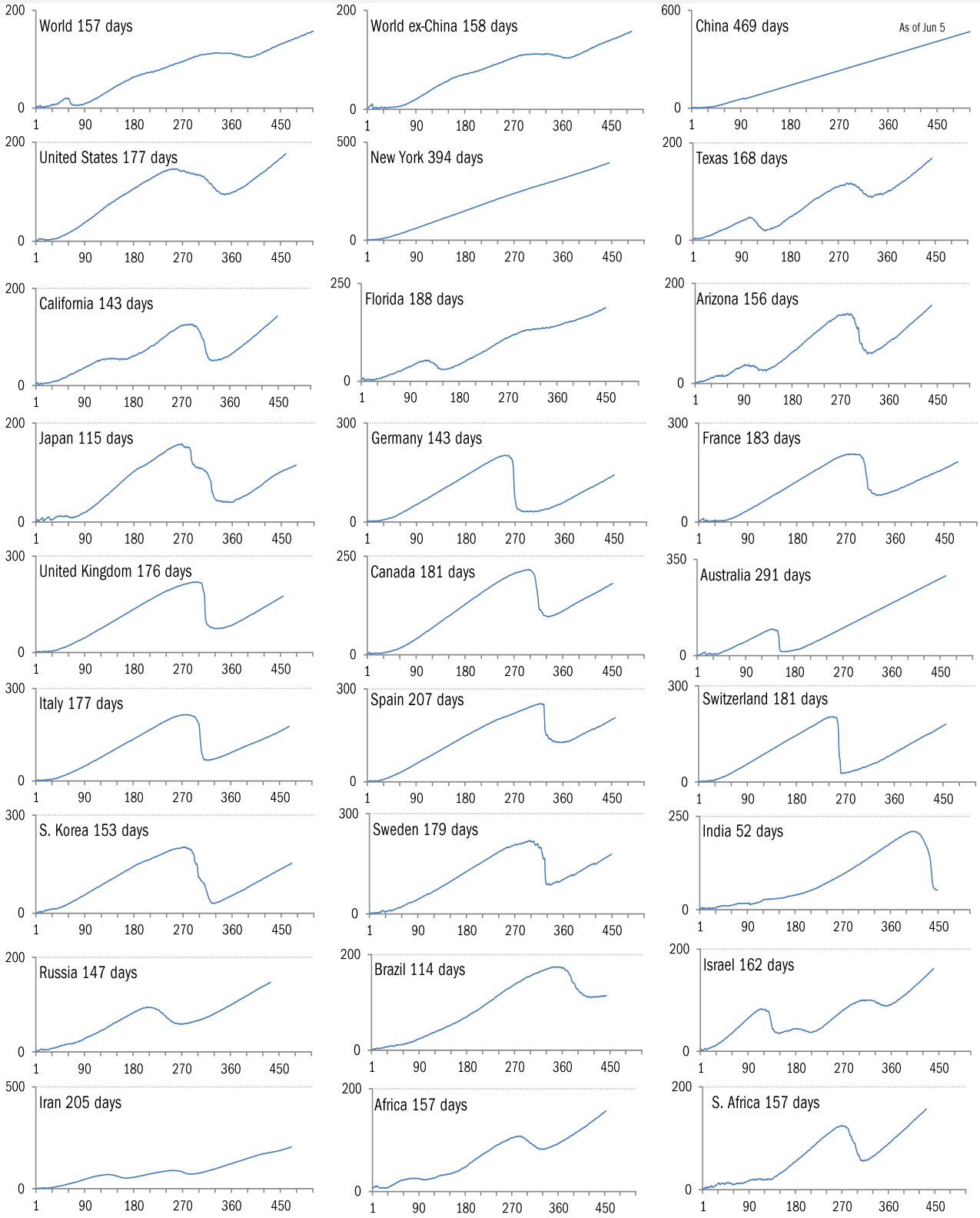


Source: Johns Hopkins, TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

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

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

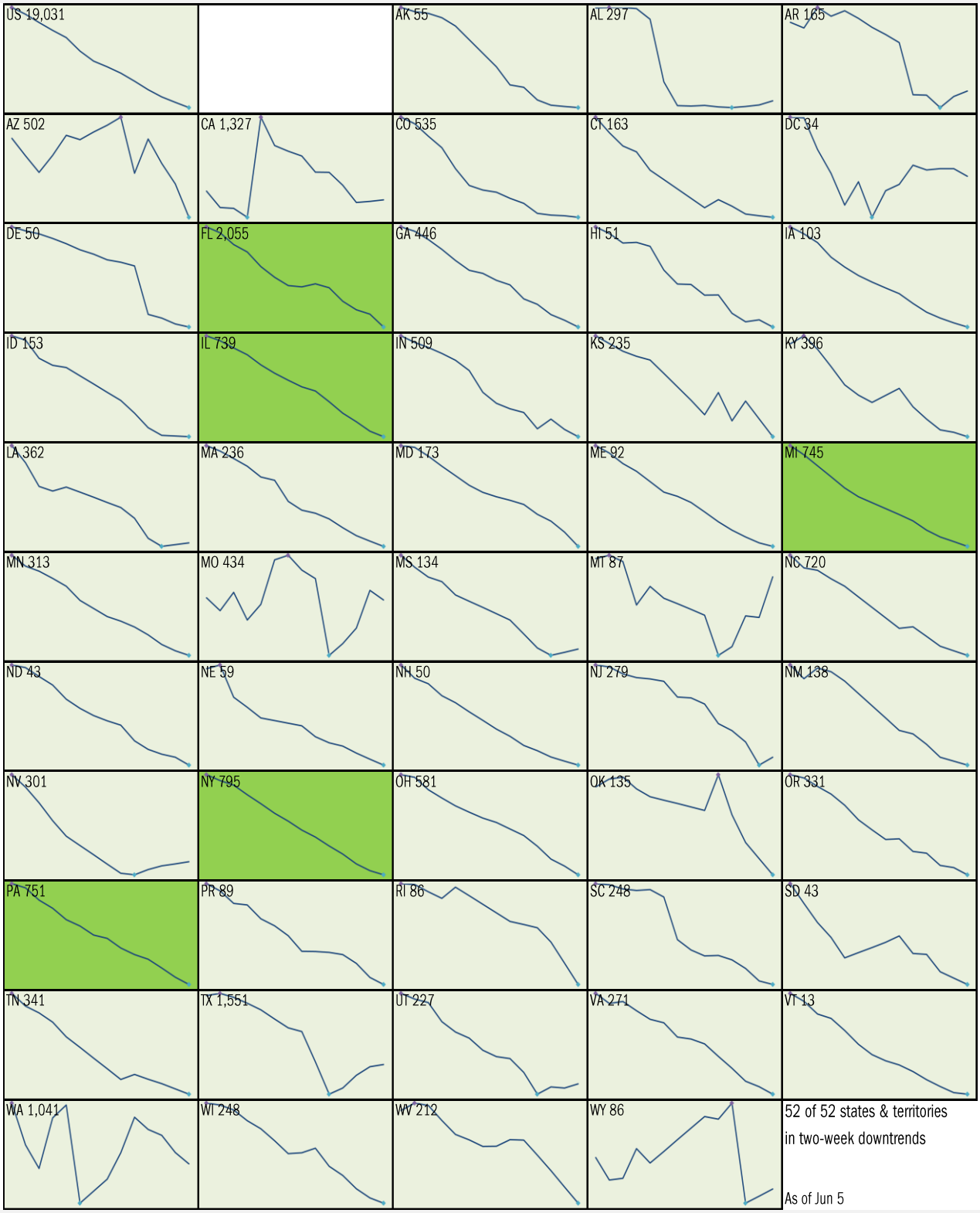


Source: Johns Hopkins, TrendMacro calculations

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

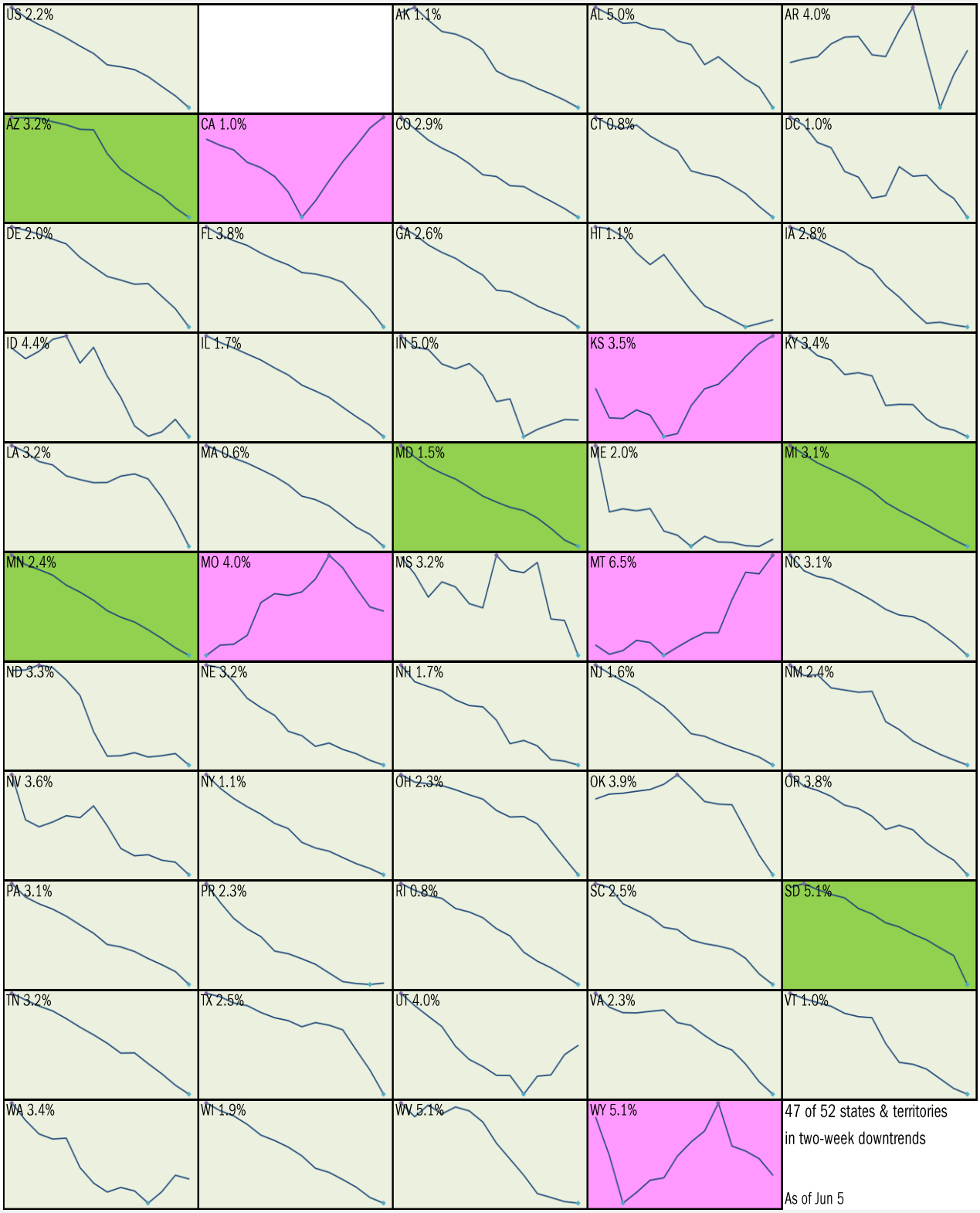


Source: Johns Hopkins, TrendMacro calculations

Alt requirement to Open Up America Again: 14-day "downward trajectory" in pos tests

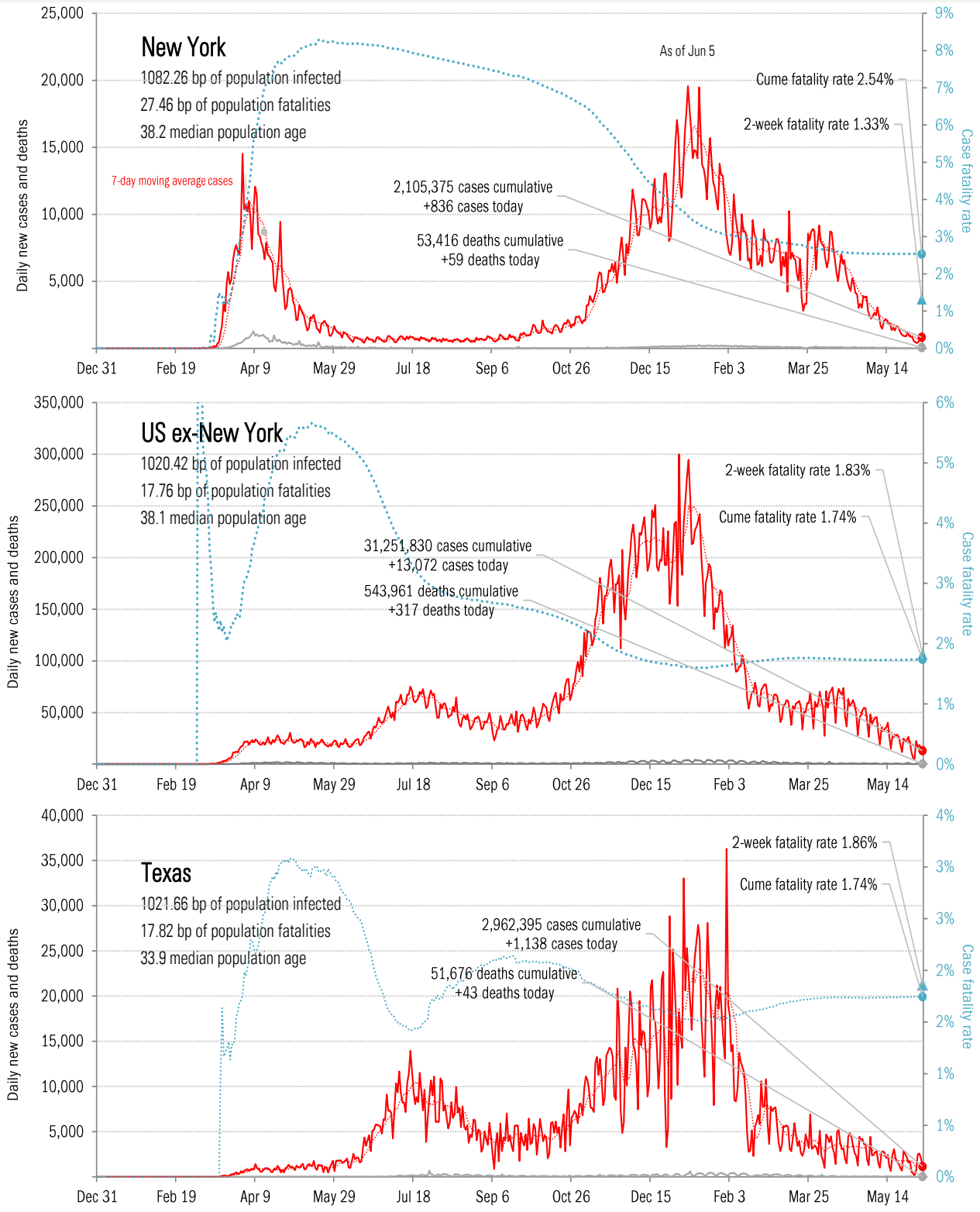
14-day moving average, last 14 days *Most recent value displayed* • High • Low

Downward trajectory Five best Upward trajectory Five worst



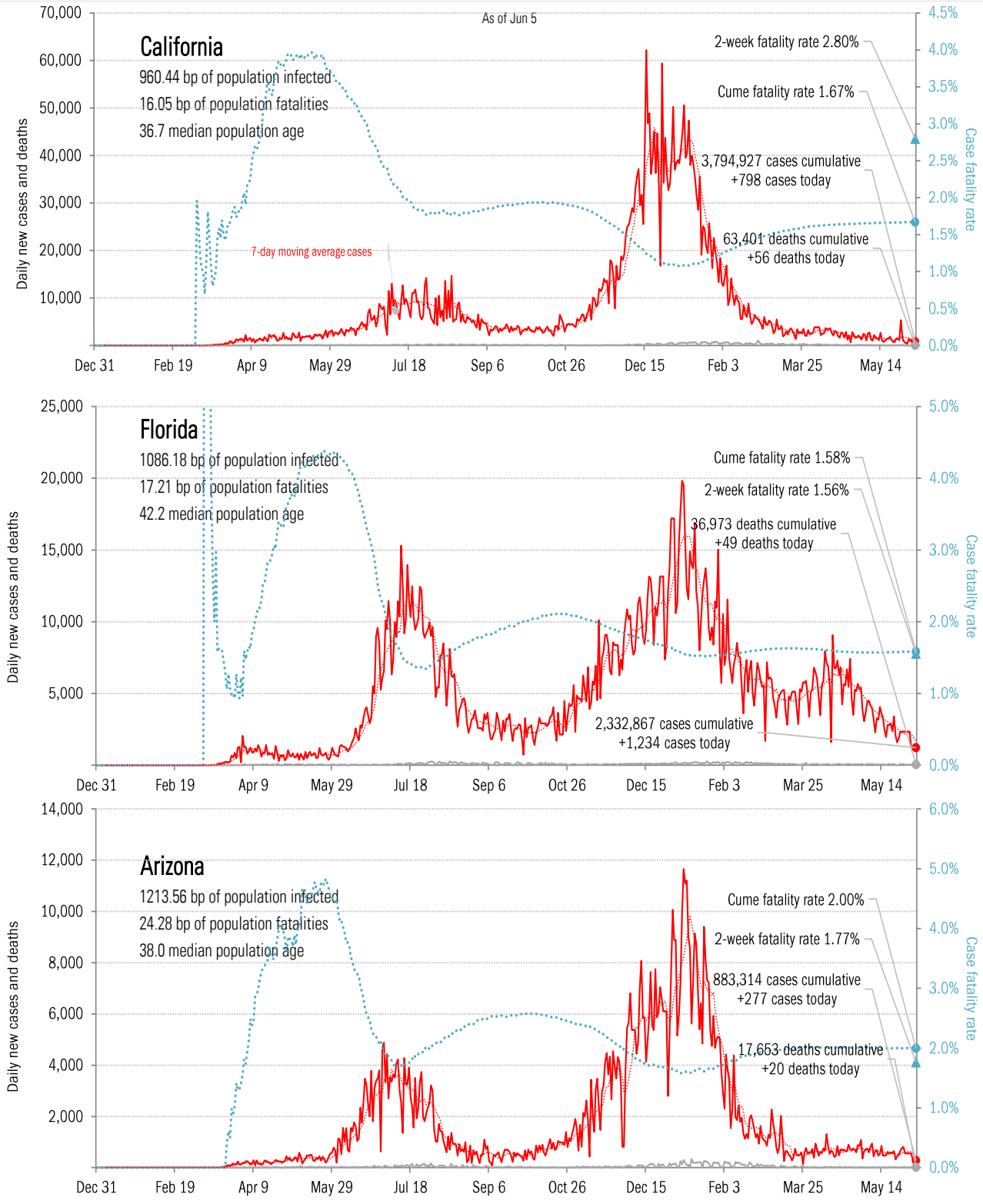
Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande



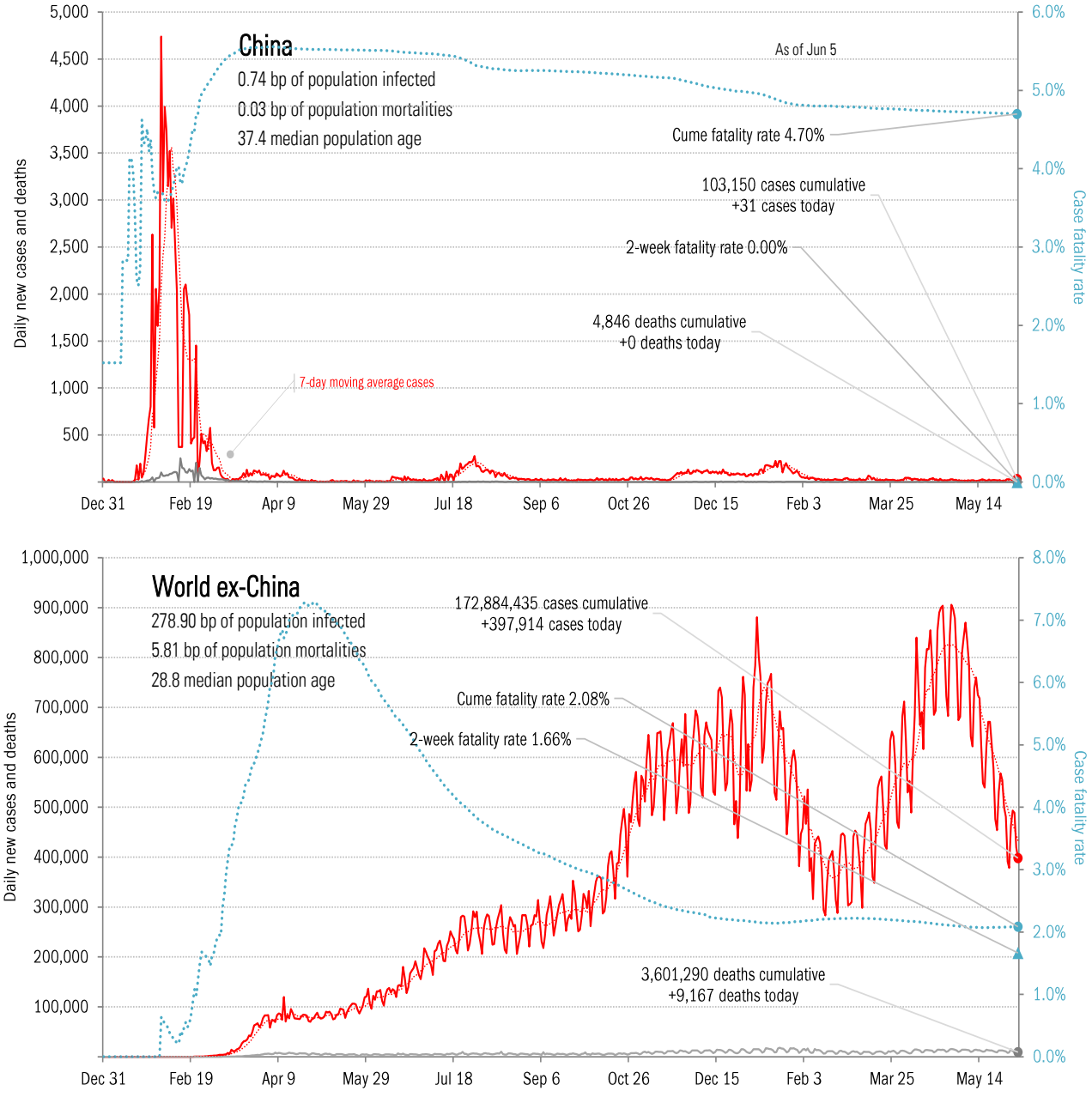
Source: Johns Hopkins, TrendMacro calculations

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



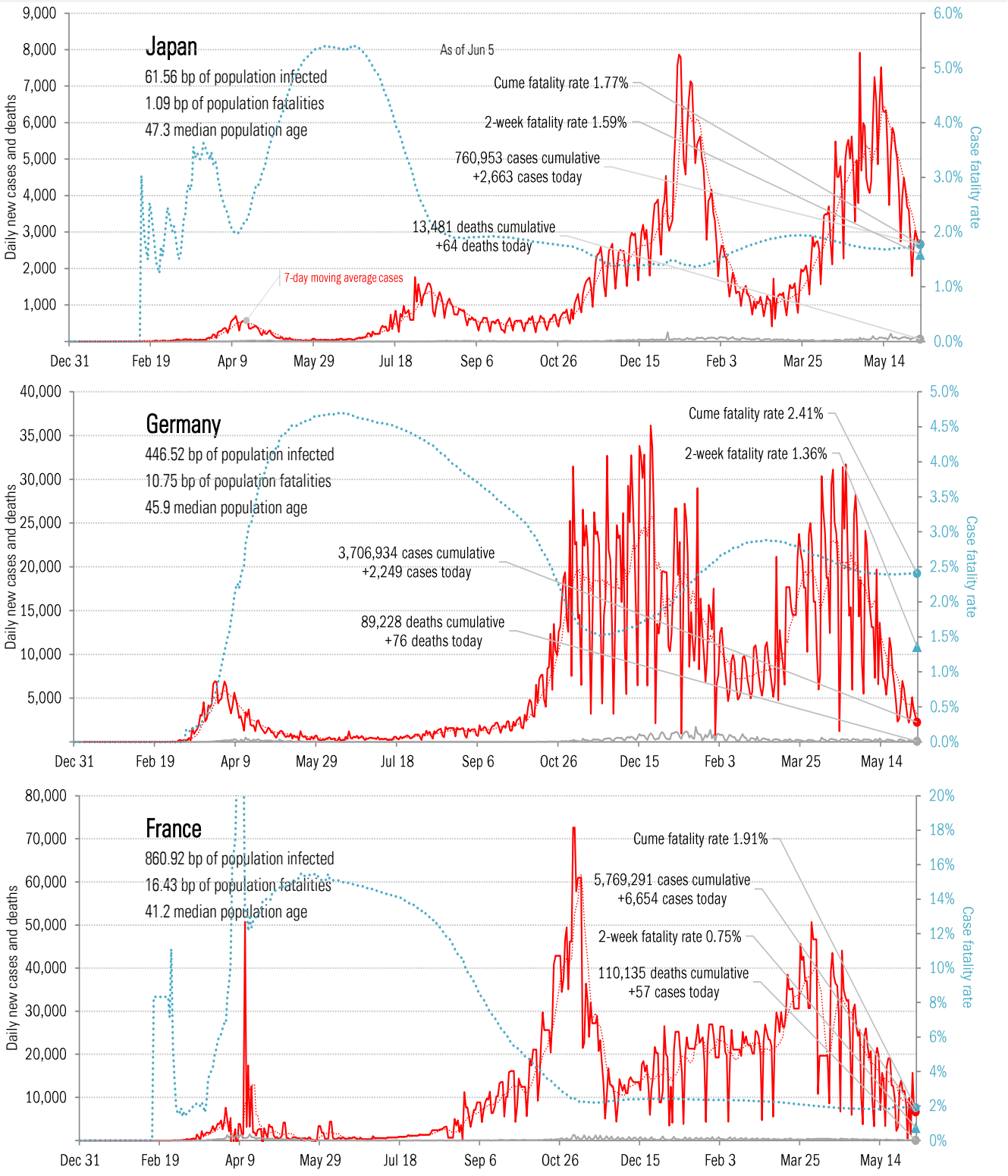
Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else



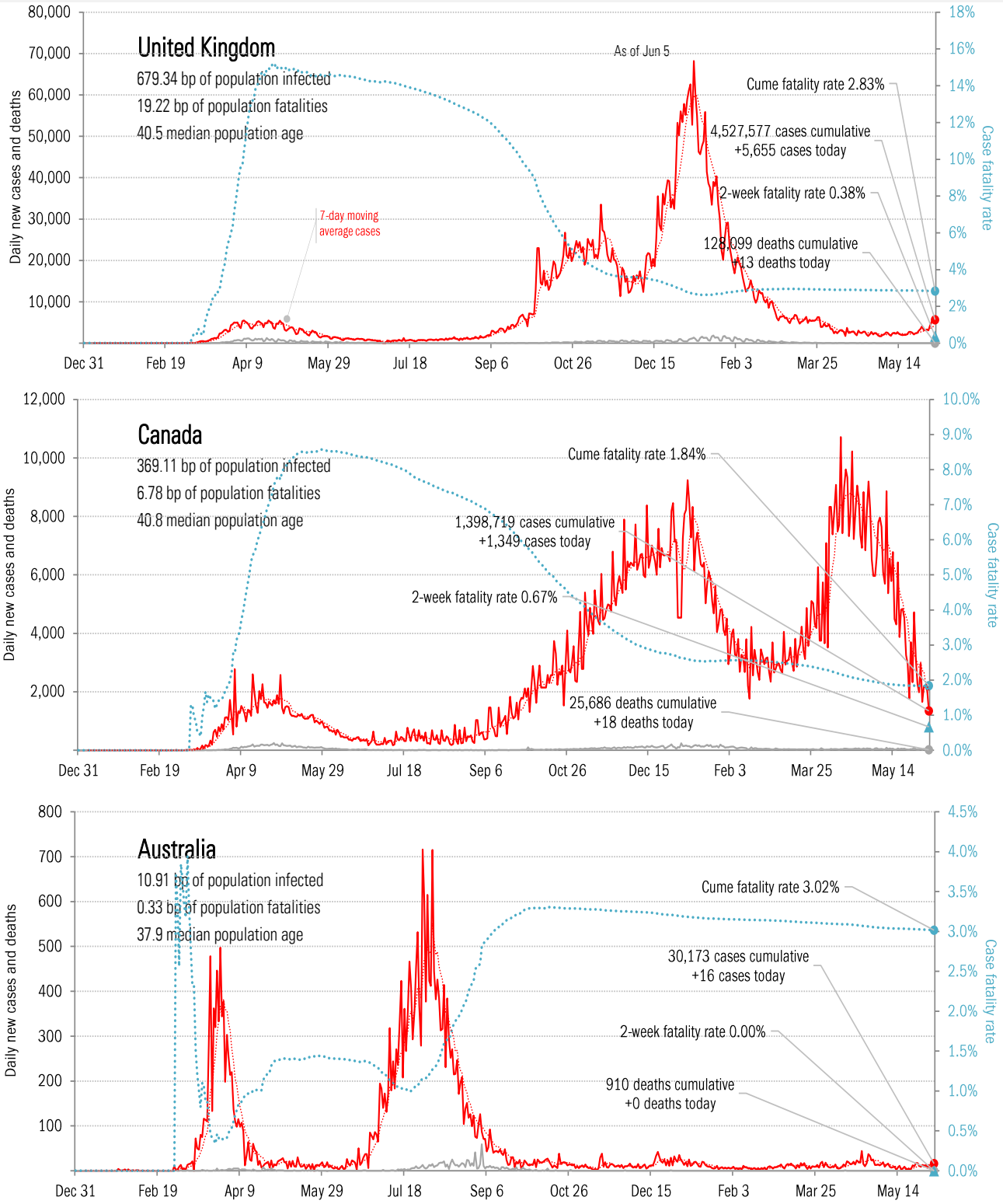
Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies



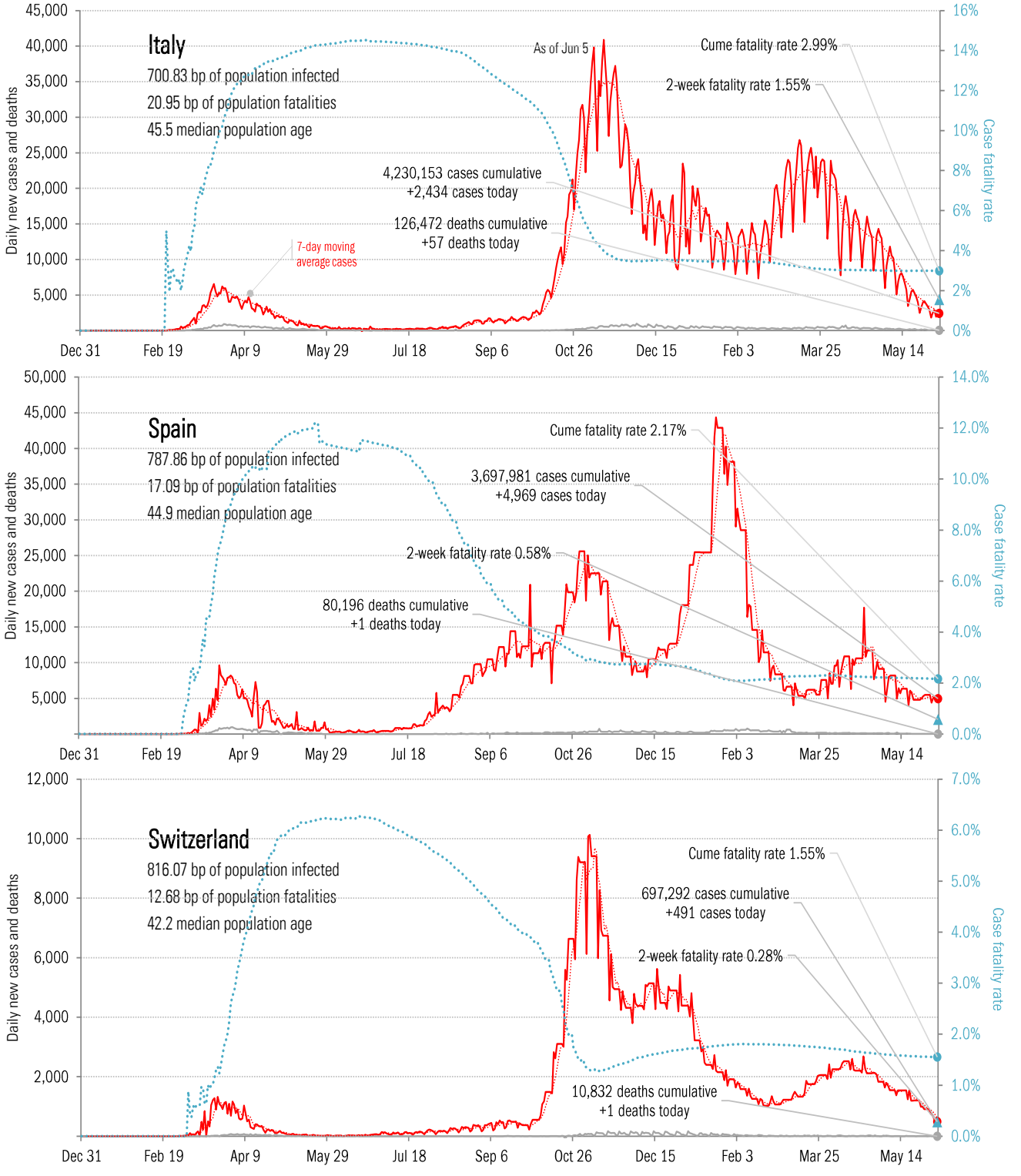
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere



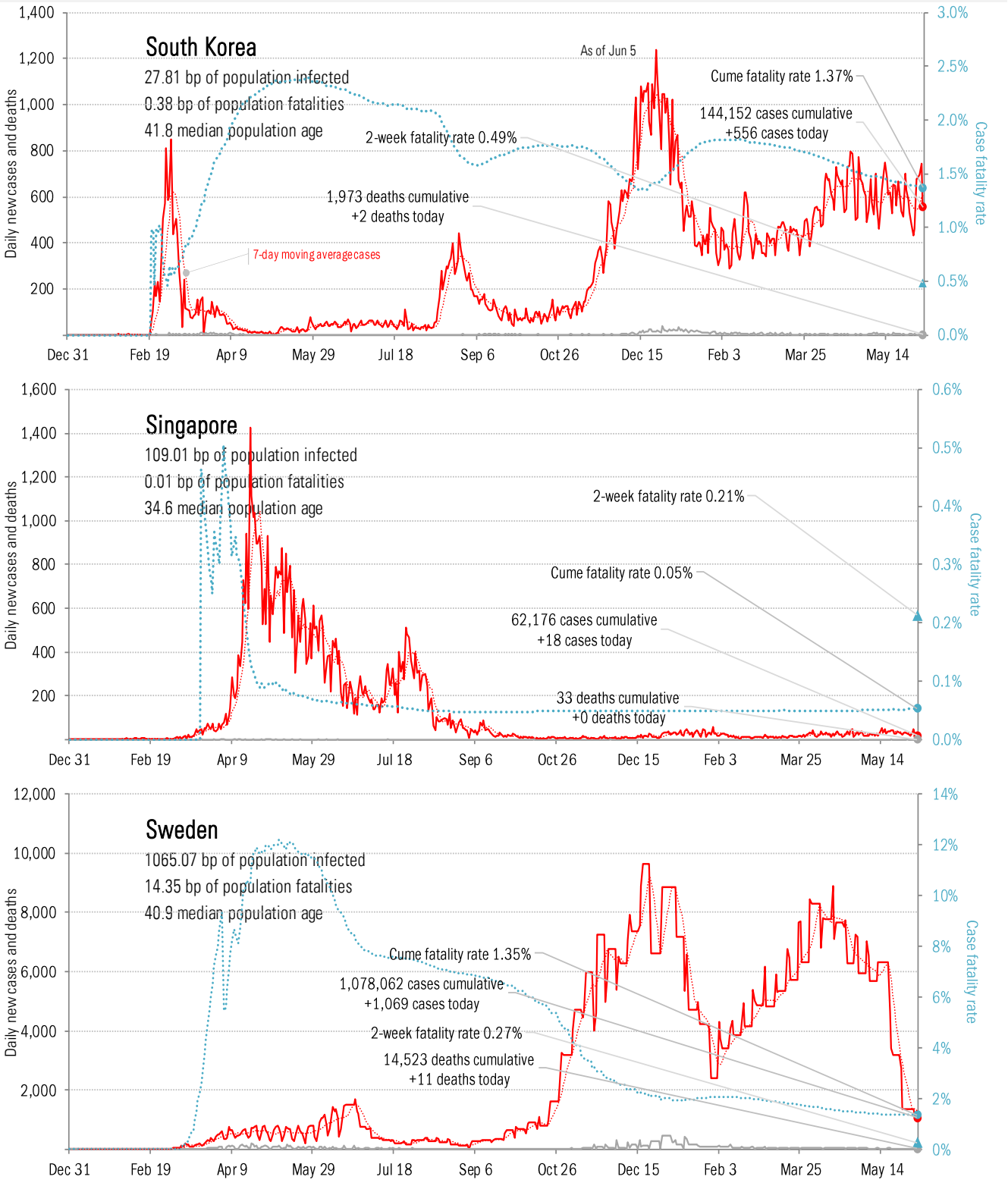
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



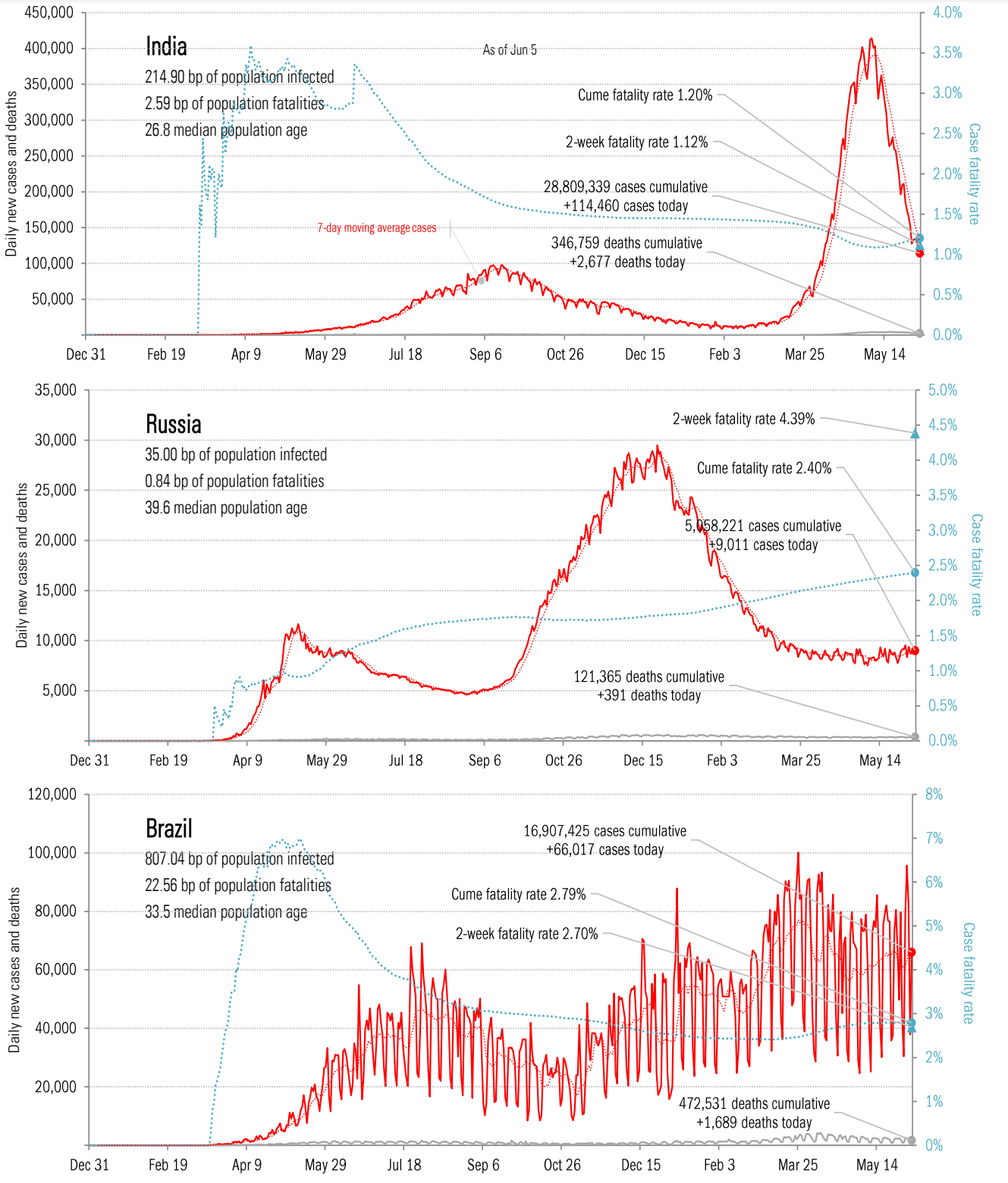
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



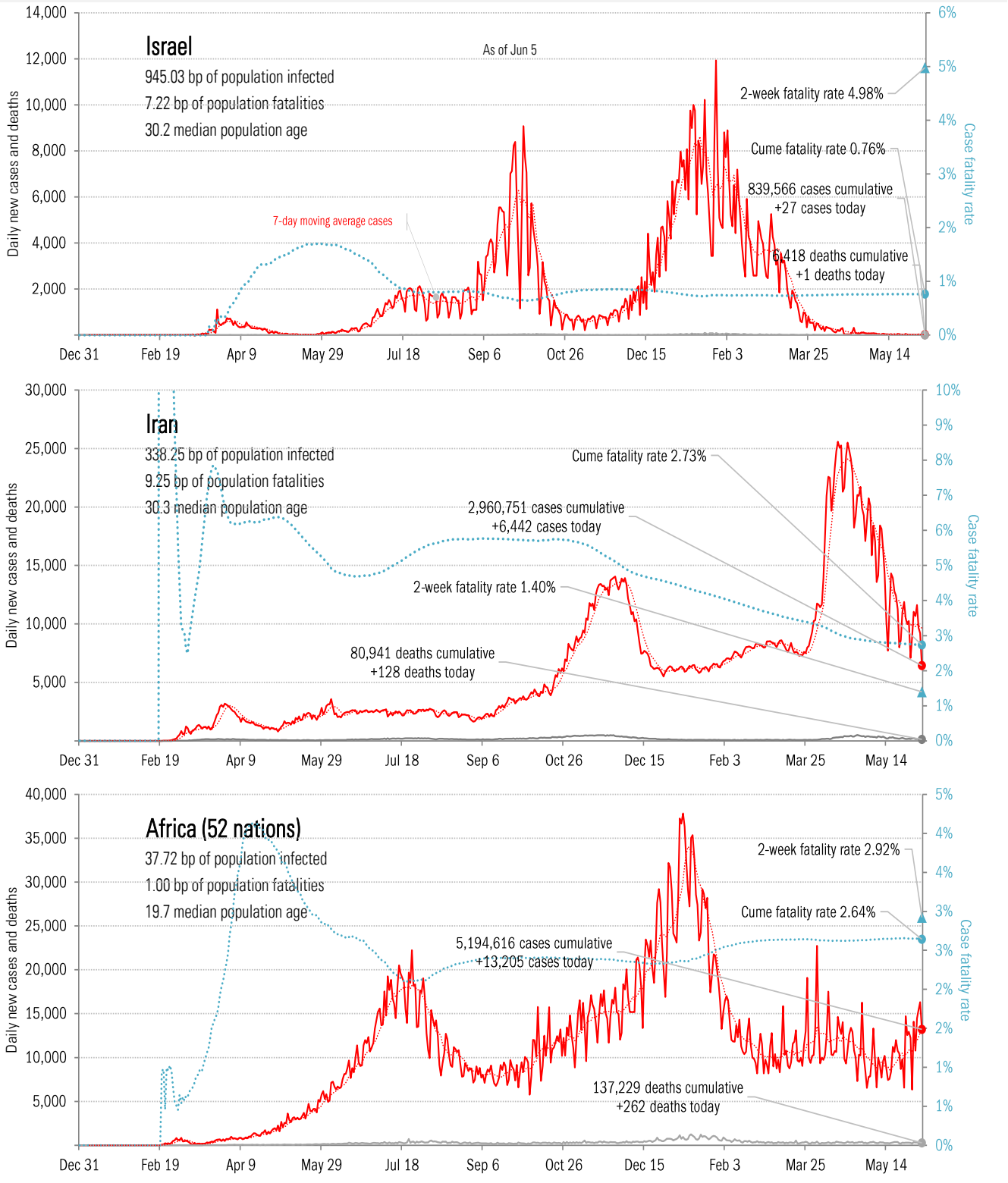
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



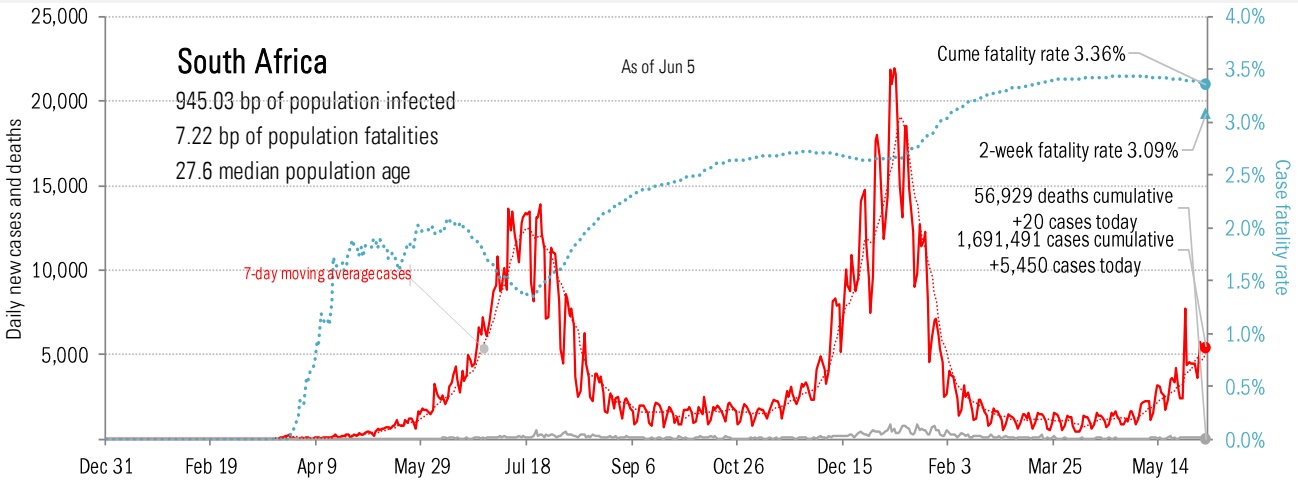
Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued



Source: Johns Hopkins, TrendMacro calculations