Trend Macrolytics, LLC
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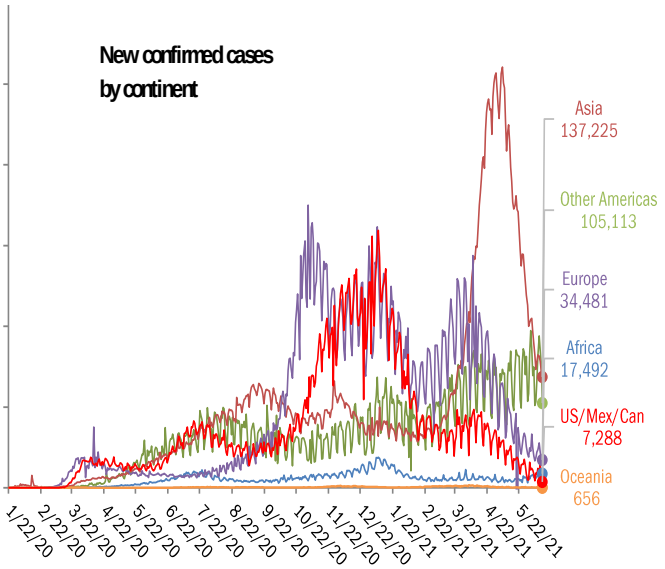
Data Insights: Covid-2019 Monitor

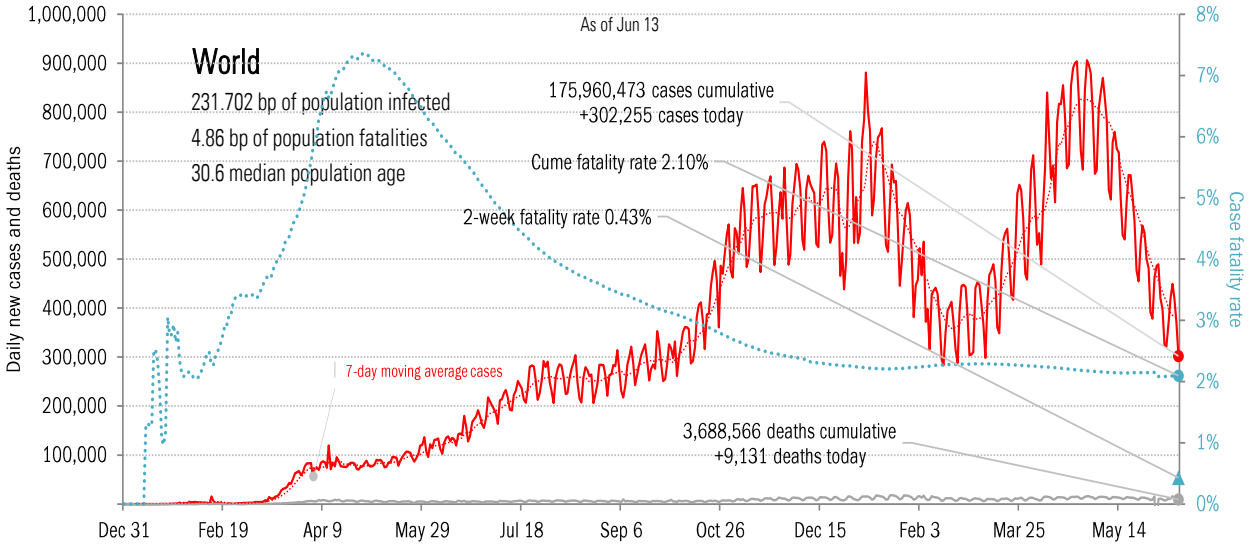
Monday, June 14, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+70,421	India	+3,921
Brazil	+37,948	Brazil	+1,129
Colombia	+28,519	Peru	+608
Russia	+14,561	Colombia	+586
Argentina	+13,043	Russia	+353
Indonesia	+9,868	Argentina	+268
Iran	+8,195	Iran	+187
South Africa	+7,657	Indonesia	+149
Chile	+7,481	Philippines	+136
United Kingdom	+7,334	Paraguay	+135
	+205,027		+7,472
World	+302,255	World	+9,131
Top ten	68%	Top ten	82%





Source: Johns Hopkins, TrendMacro calculations

For more information contact us:
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The US scorecard

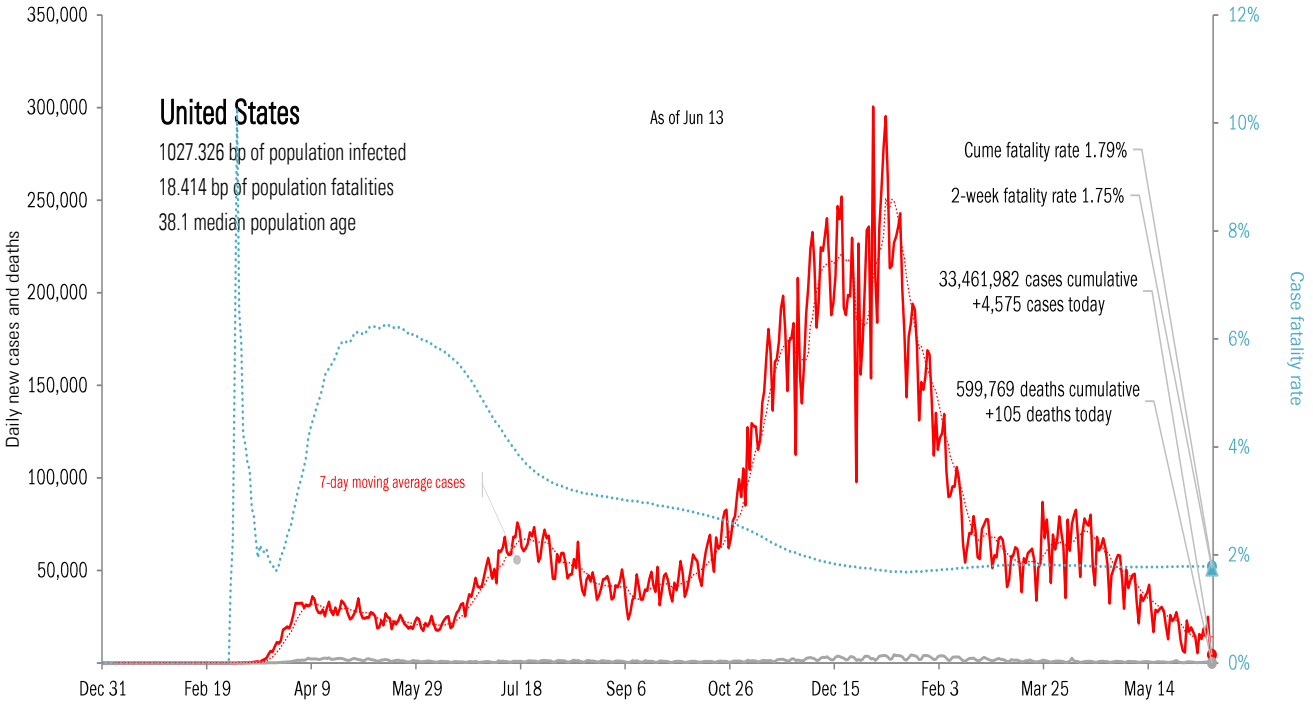
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital		Hospital use		ICU use	
CO	+473	TX	+17	GA	+95	CA	3,801,728	CA	63,193	TX	250,936	RI	90%	MO	12%
NJ	+456	PA	+14	MO	+21	TX	2,977,373	NY	53,549	CA	238,084	MA	85%	CO	12%
MO	+404	VA	+14	MS	+18	FL	2,344,321	TX	51,929	FL	183,316	PA	82%	WA	11%
TX	+399	IL	+12	OK	+16	NY	2,109,313	FL	37,265	NY	135,534	MO	82%	WY	11%
NY	+363	NY	+10	UT	+14	IL	1,387,513	PA	27,479	GA	108,115	MD	81%	ID	11%
AZ	+348	MN	+9	IA	+8	PA	1,212,999	NJ	26,330	#N/A	0	MI	80%	UT	9%
IL	+296	CA	+6	NM	+6	GA	1,128,690	IL	25,481	OH	177,797	GA	80%	MS	9%
OH	+251	NJ	+6	NE	+5	OH	1,107,047	GA	21,158	IL	81,810	MN	80%	AR	9%
GA	+223	SC	+4	ME	+4	NJ	1,019,563	MI	20,778	KY	76,650	CT	79%	ME	9%
UT	+194	IA	+3	PR	+4	NC	1,007,698	OH	20,091	MI	72,618	DC	79%	TX	8%
	+3,407		+95		+191		18,096,245		347,253		1,324,860				
All states	+4,575		+105		+17	All states	33,461,982		599,769		2,358,961	All states	70%		67%
Top ten	74%		90%		1124%	Top ten	54%		58%		56%	Median	72%		6%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
WA	-712	MI	-58	WA	-39	VT	+71 bp
CA	-519	IN	-31	CA	-38	RI	+54 bp
IN	-443	GA	-30	MD	-36	NM	+53 bp
TX	-392	AZ	-20	AR	-18	MD	+51 bp
MI	-230	CA	-12	ND	-9	NJ	+46 bp



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

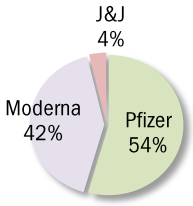
Rolling out the vaccines in the US and the world

US overall	Total				Today
Doses distributed	386,937,695				+0.001 million
Doses administered	318,637,935				+1.232 million
Administered	**One dose**	**% Pop**	**Immune**	**% pop**	**New immune today**
Total population	178,397,748	53%	147,936,283	44%	+0.815 million
Age 12 to 17	7,492,534	30%	4,254,627	17%	+0.214 million
Age 18 to 64	121,705,571	60%	100,421,913	49%	+0.520 million
Age 65 and over	49,074,359	90%	43,203,558	79%	+0.074 million

Immunity	Full	Partial
US	43.0%	52.0%
UK	43.9%	61.2%
France	21.2%	44.8%
Spain	26.2%	44.8%
Germany	25.5%	47.8%
Italy	23.3%	48.5%
Australia	2.7%	20.2%
Israel	59.4%	63.3%
Canada	12.2%	64.7%
Japan	4.8%	13.9%
Africa	0.8%	2.2%
India	3.4%	14.7%
Brazil	11.1%	25.6%

Global data differs from sources, timing

China NA



At today's dosing pace,
every American >18 immune in
132 days
by Oct 22, 2021

68.7% of population >18 immunized
14.1% previously tested positive
82.8% 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		
60.1%			70.0%			71.5%		
47.3%			68.1%			65.0%		
40.9%			49.1%			58.0%		
						VT	NH	
						77.0%	69.8%	
						72.2%	61.1%	
						61.2%	53.1%	
					WI			
					54.3%			
					52.3%			
					46.4%			
WA	ID	MT	ND	MN	IL	MI		NY	MA	
63.5%	48.8%	54.5%	48.5%	60.1%	60.3%	60.5%		63.2%	72.6%	
58.8%	38.5%	46.6%	43.0%	55.6%	57.0%	50.1%		57.8%	68.5%	
50.3%	34.0%	40.5%	37.6%	48.6%	42.2%	44.4%		50.0%	57.8%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
69.2%	51.5%	47.0%	56.8%	56.9%	52.0%	55.0%	64.1%	67.0%	68.6%	73.3%
56.8%	47.3%	38.2%	49.3%	50.3%	43.0%	47.1%	60.8%	62.7%	65.1%	62.7%
49.2%	38.9%	33.0%	43.9%	45.7%	37.3%	42.1%	46.7%	52.5%	56.9%	55.1%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
64.3%	52.1%	62.9%	55.8%	51.4%	52.1%	55.3%	62.5%	72.2%	67.9%	
58.9%	46.4%	56.1%	49.6%	43.3%	47.8%	42.0%	57.2%	59.4%	56.3%	
46.4%	34.2%	48.2%	44.2%	36.0%	40.3%	35.4%	48.2%	51.6%	46.0%	
	AZ	NM	KS	AR	TN	NC	SC	DC		
	57.5%	58.6%	54.9%	49.4%	48.1%	58.0%	53.4%	78.3%		
	47.8%	59.2%	47.9%	40.6%	40.2%	44.3%	42.2%	58.6%		
	37.8%	50.1%	39.9%	32.4%	33.0%	37.6%	35.8%	48.5%		
			OK	LA	MS	AL	GA			
			52.9%	45.4%	46.8%	50.6%	54.3%			
			42.4%	36.8%	34.9%	36.9%	41.3%			
			34.8%	32.5%	28.1%	30.4%	33.8%			
			TX					FL		PR
			57.0%					60.4%		64.1%
			46.1%					51.2%		53.8%
			37.9%					41.7%		40.5%

As of Jun 13

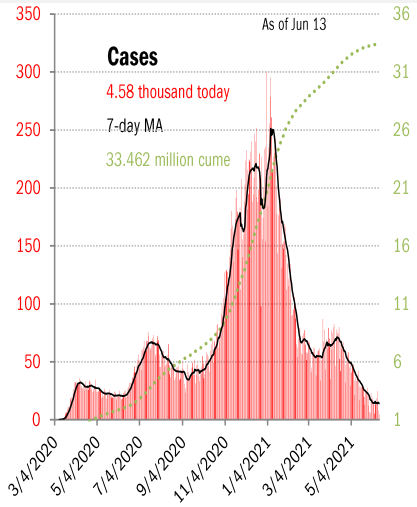
* Includes persons >18 fully immunized or previosuly tested positive, no overlap. Disregards untested positives, natural immunities.

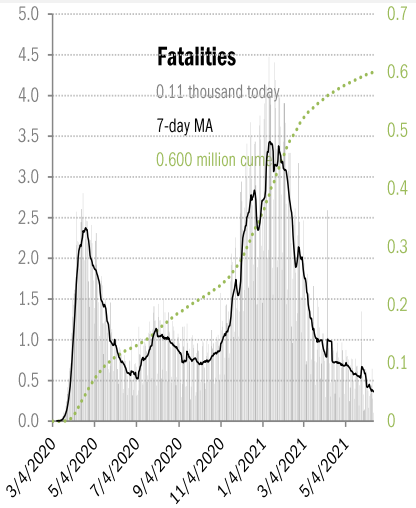
** One dose of Pfizer/Moderna counts as half an immunity, one dose of J&J as a full immunity

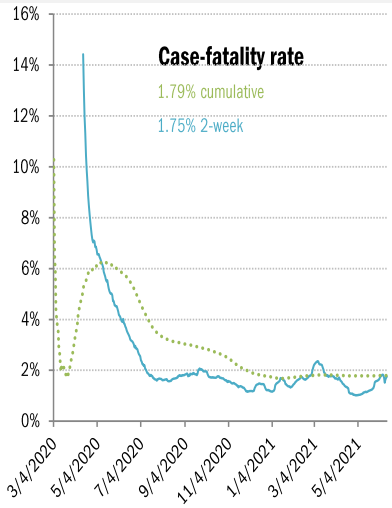
Source: CDC, CDC, Our World in Data, TrendMacro calculations

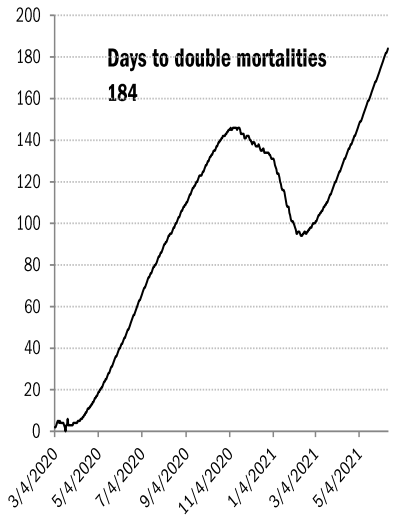
US deep-dive

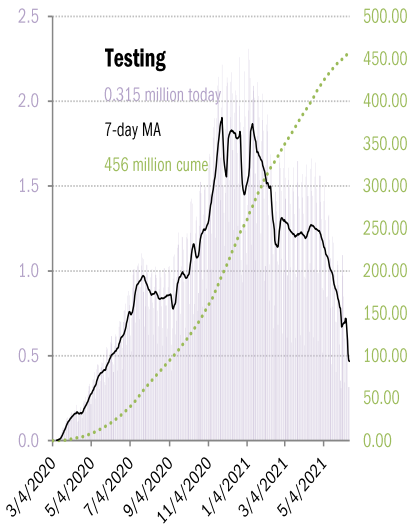
National and state-by-state data do not line up because of different sources

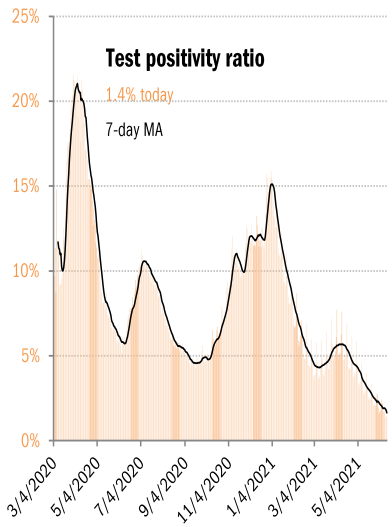


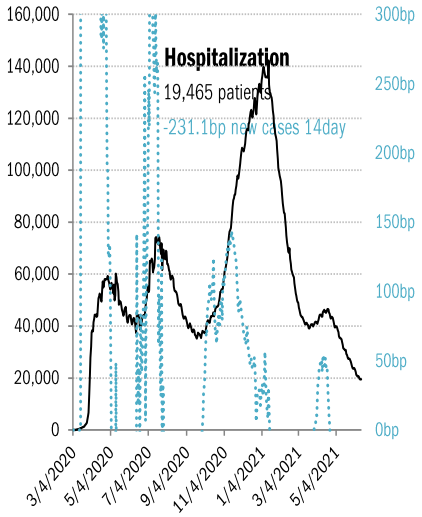


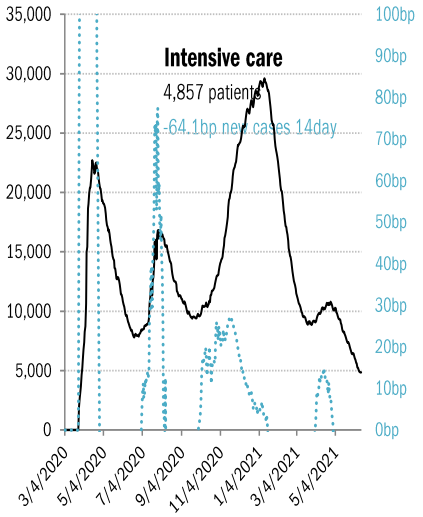


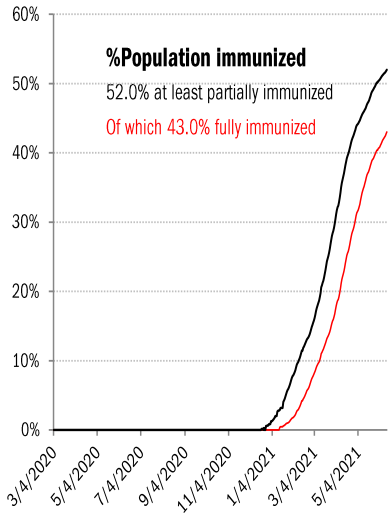












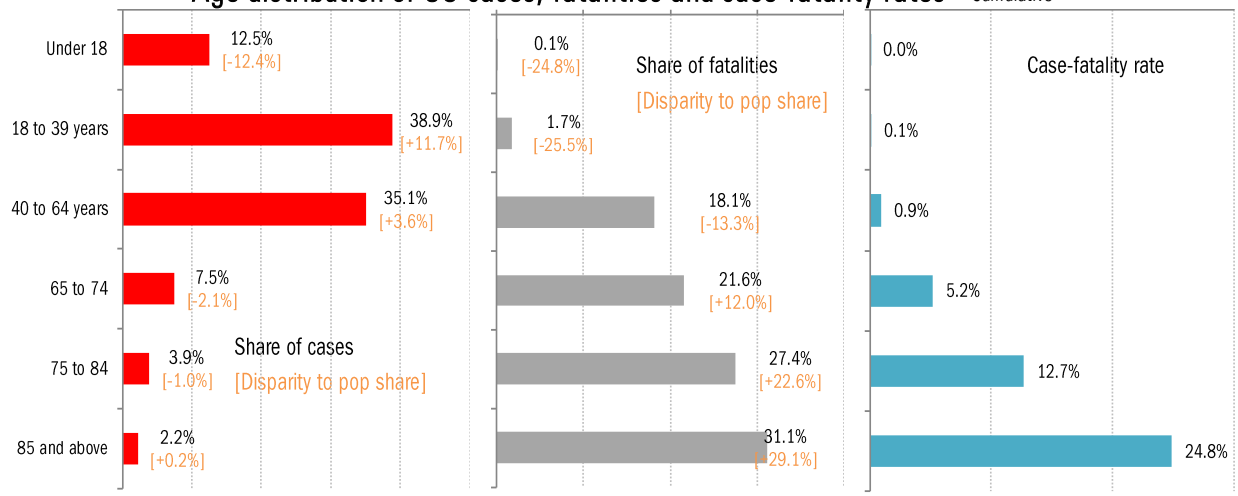
Source: Johns Hopkins, Covid Act Now, TrendMacro calculations

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

Updates weekly on Sundays

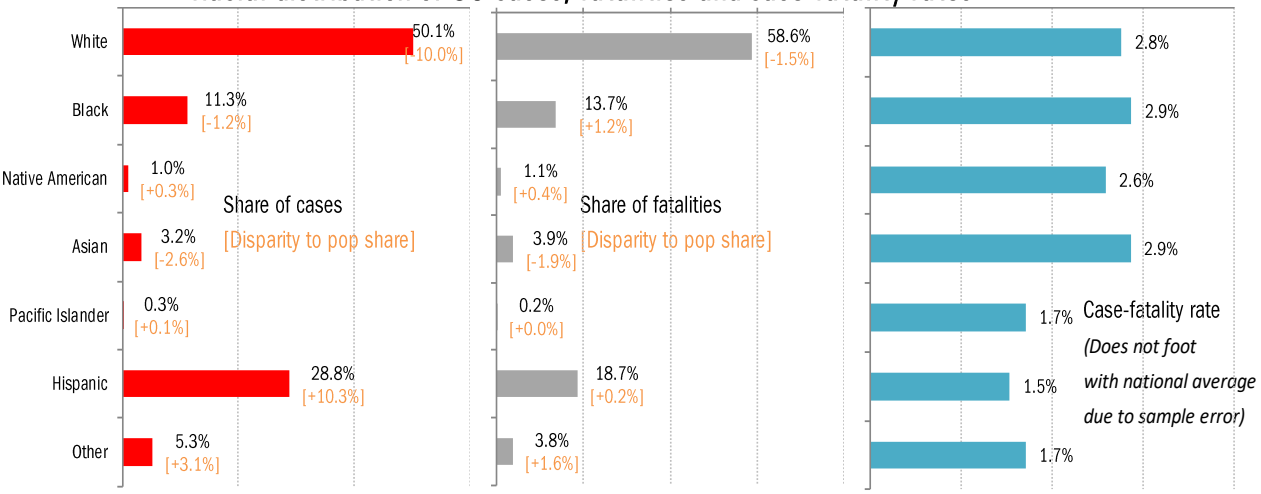
Age distribution of US cases, fatalities and case-fatality rates

Cumulative



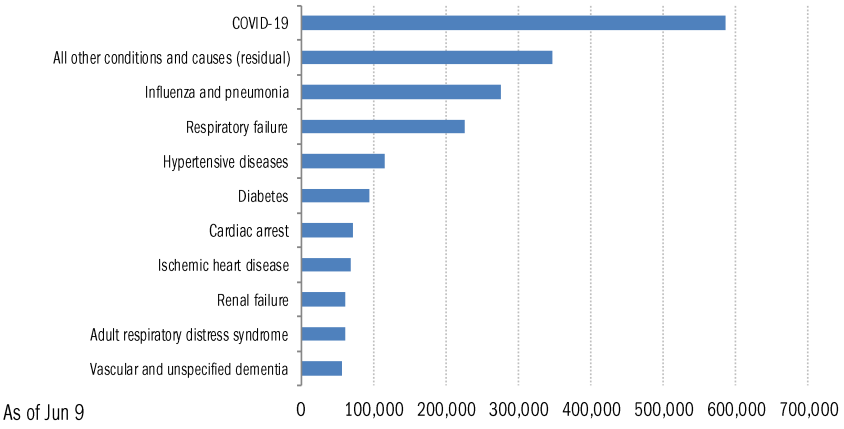
Racial distribution of US cases, fatalities and case-fatality rates

Cumulative



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jun 9

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.

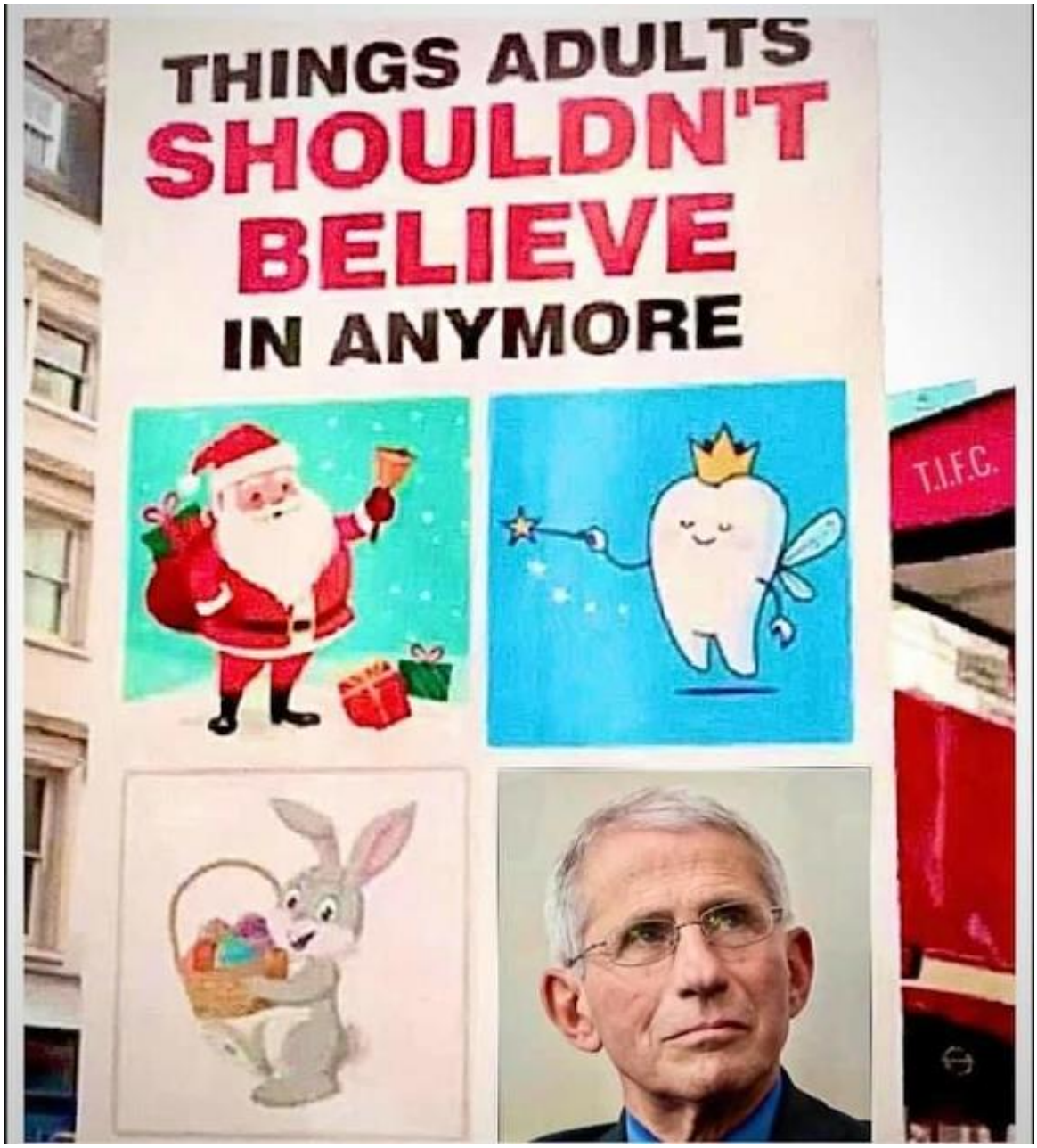
Source: Distributions CDC, Comorbidities CDC, TrendMacro calculations

Recommended reading

Beijing Protests a Lab Leak Too Much
Perry Link
Wall Street Journal
June 13, 2021

WHO's on First—Again?
Wall Street Journal
June 13, 2021

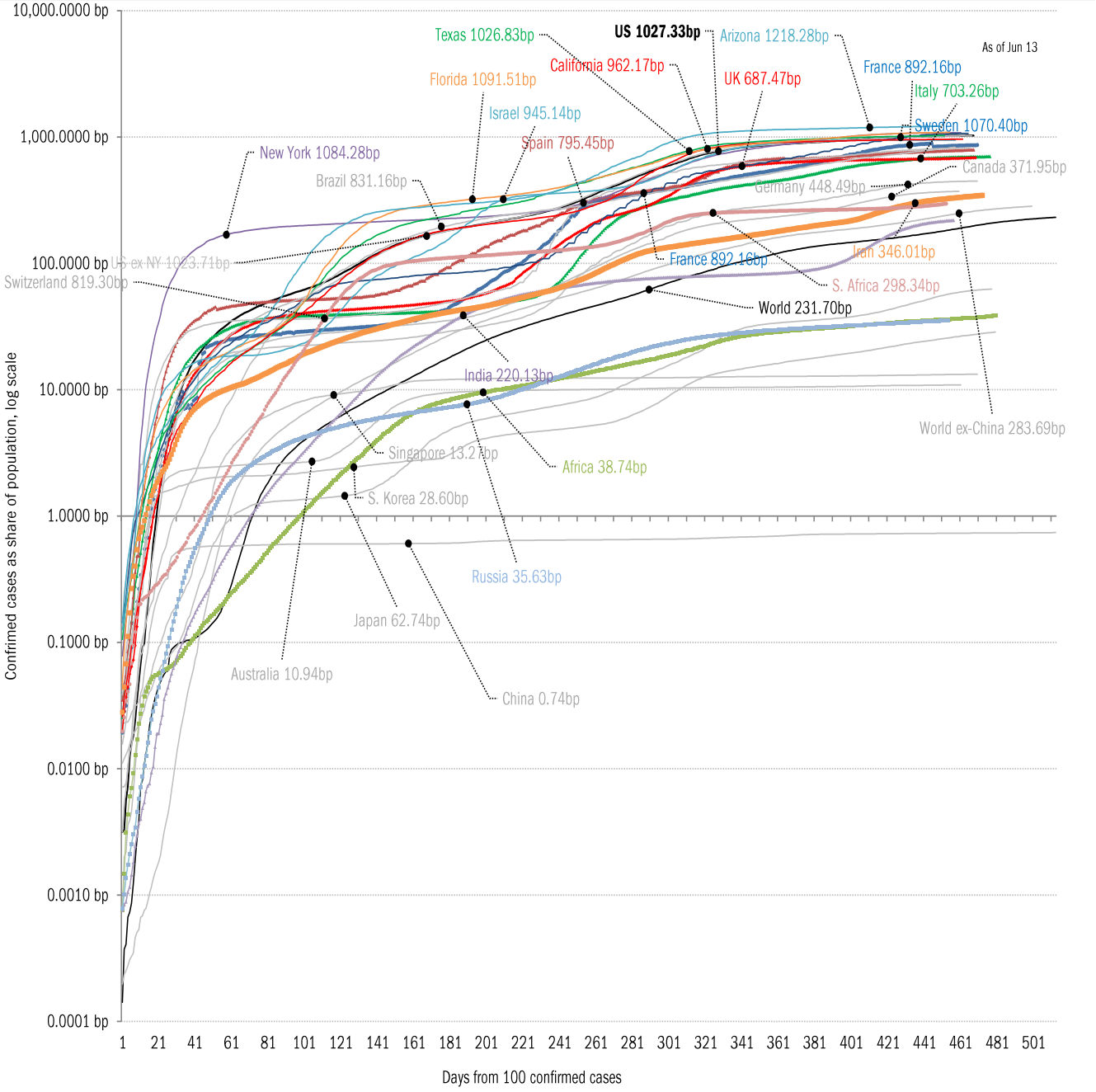
Meme of the day



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

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

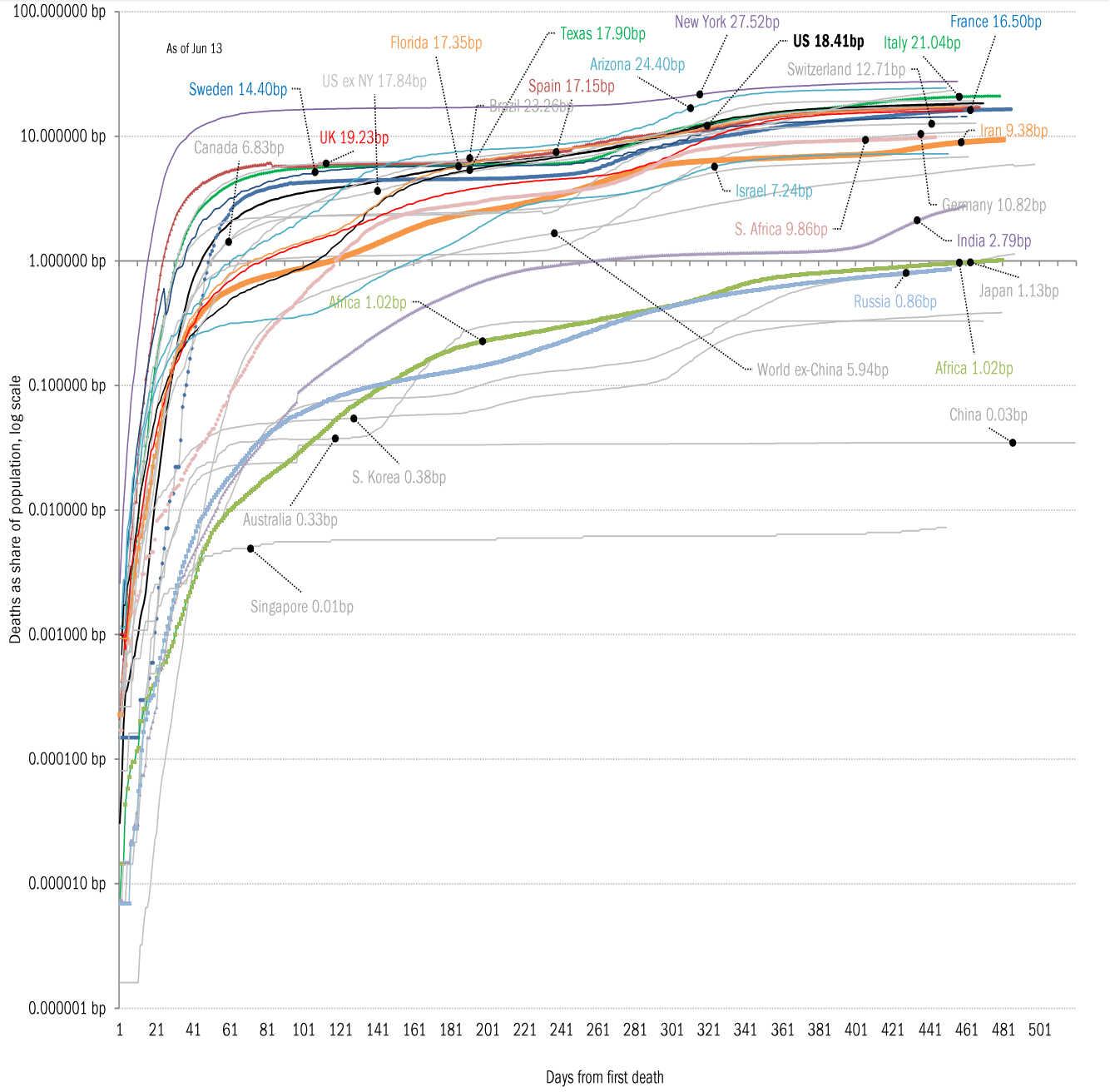
Share of infected population from first day with 100 confirmed cases, log scale



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

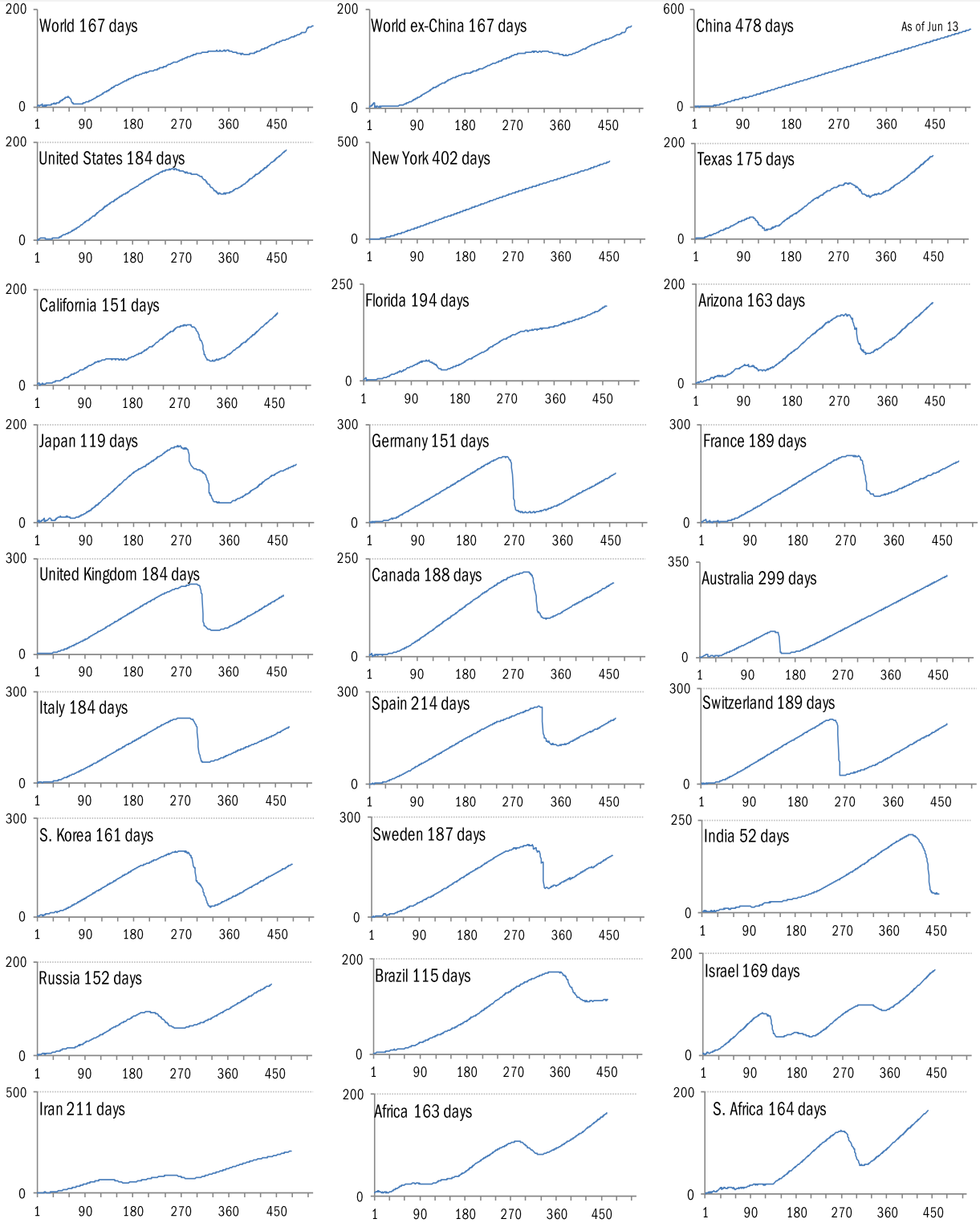


Source: Johns Hopkins, TrendMacro calculations

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

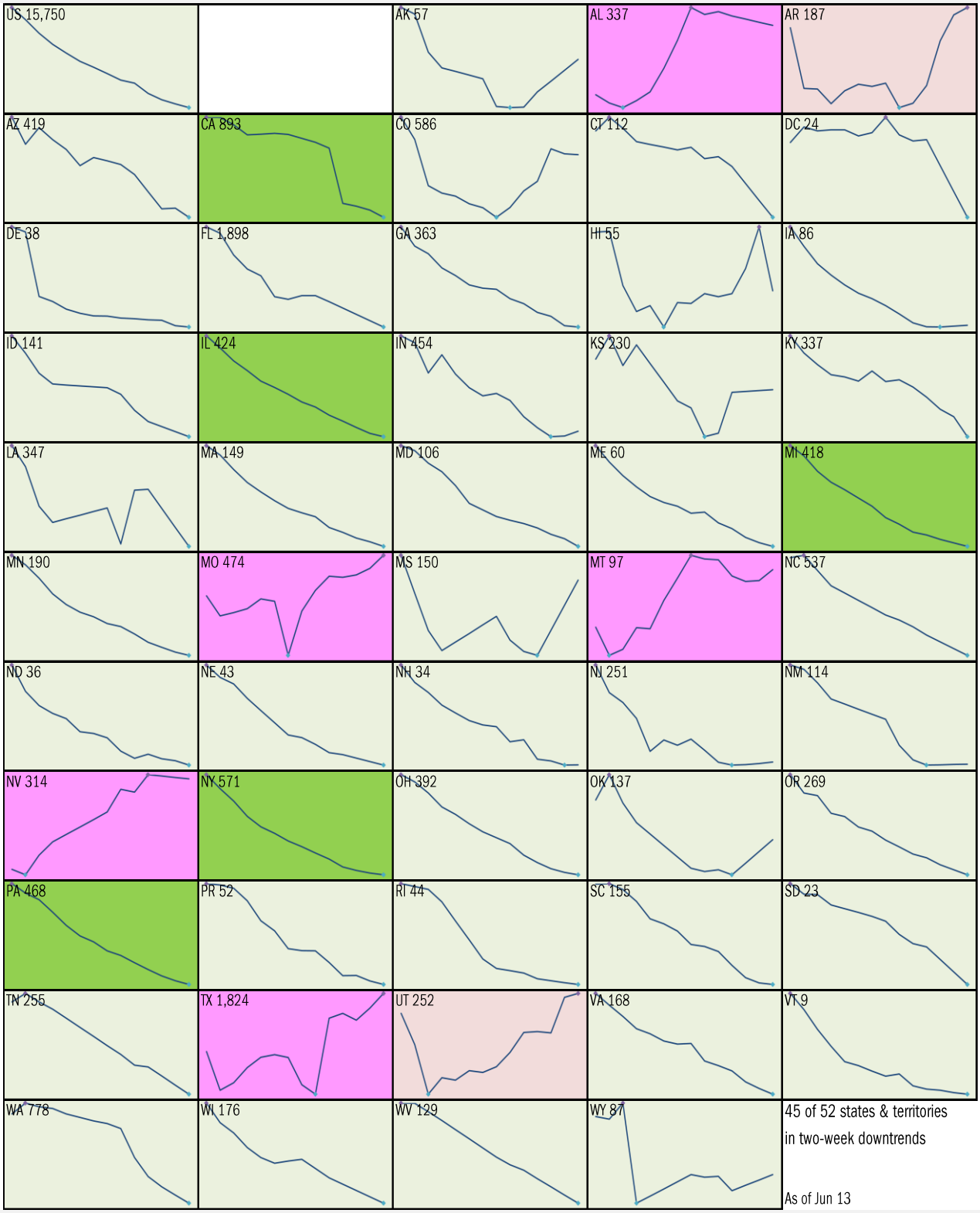


Source: Johns Hopkins, TrendMacro calculations

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

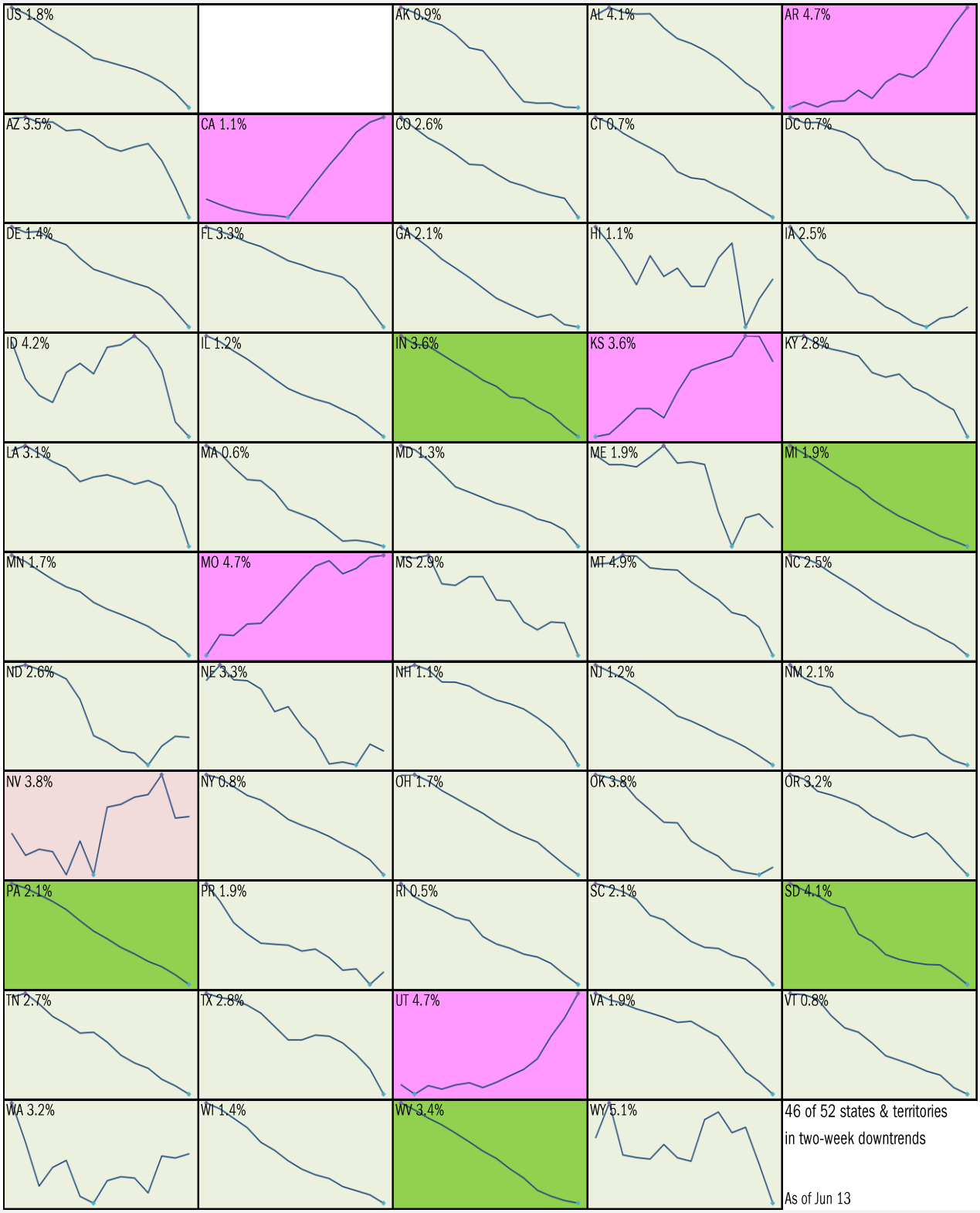


Source: Johns Hopkins, TrendMacro calculations

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

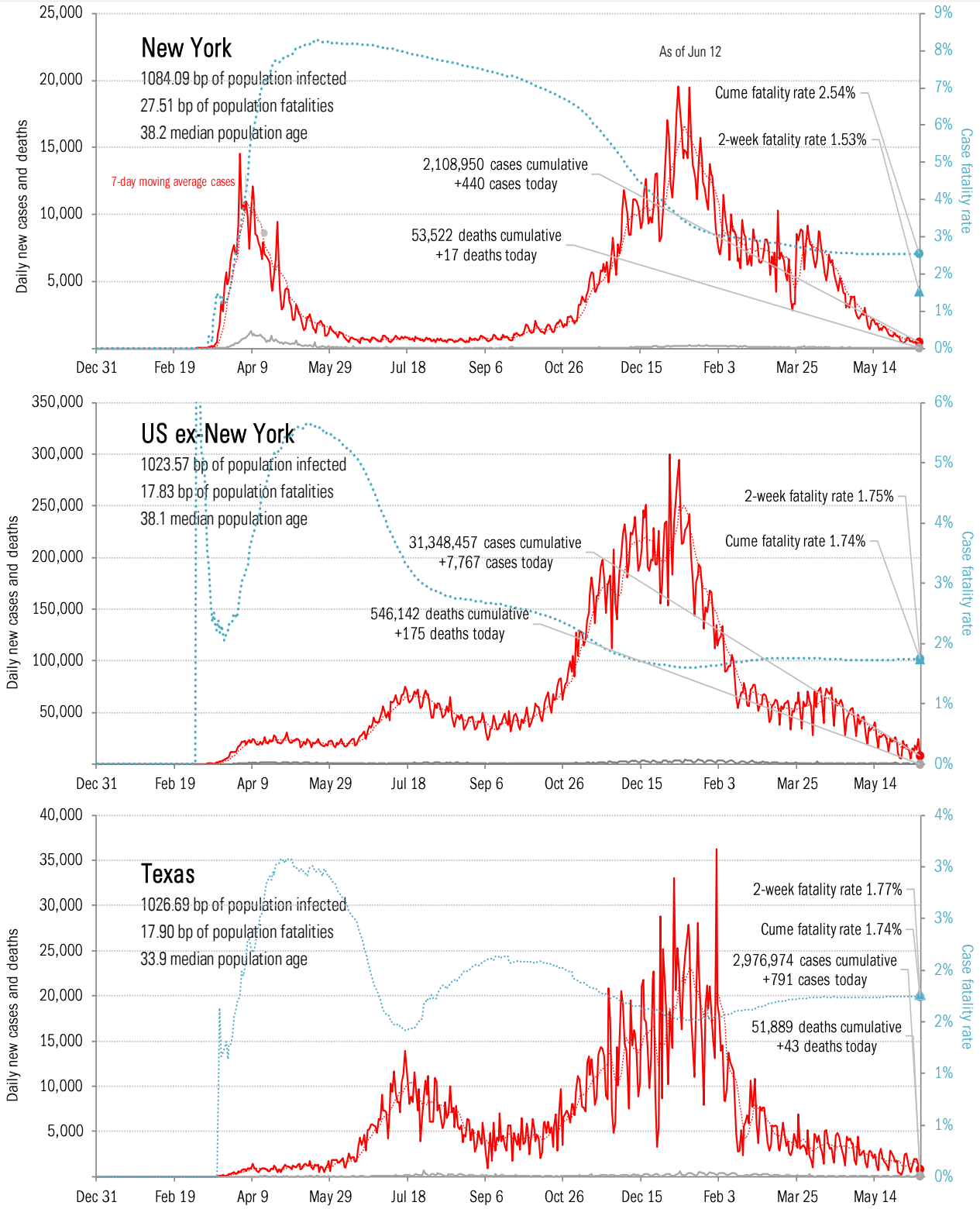
14-day moving average, last 14 days *Most recent value displayed* • High • Low

Downward trajectory Five best Upward trajectory Five worst



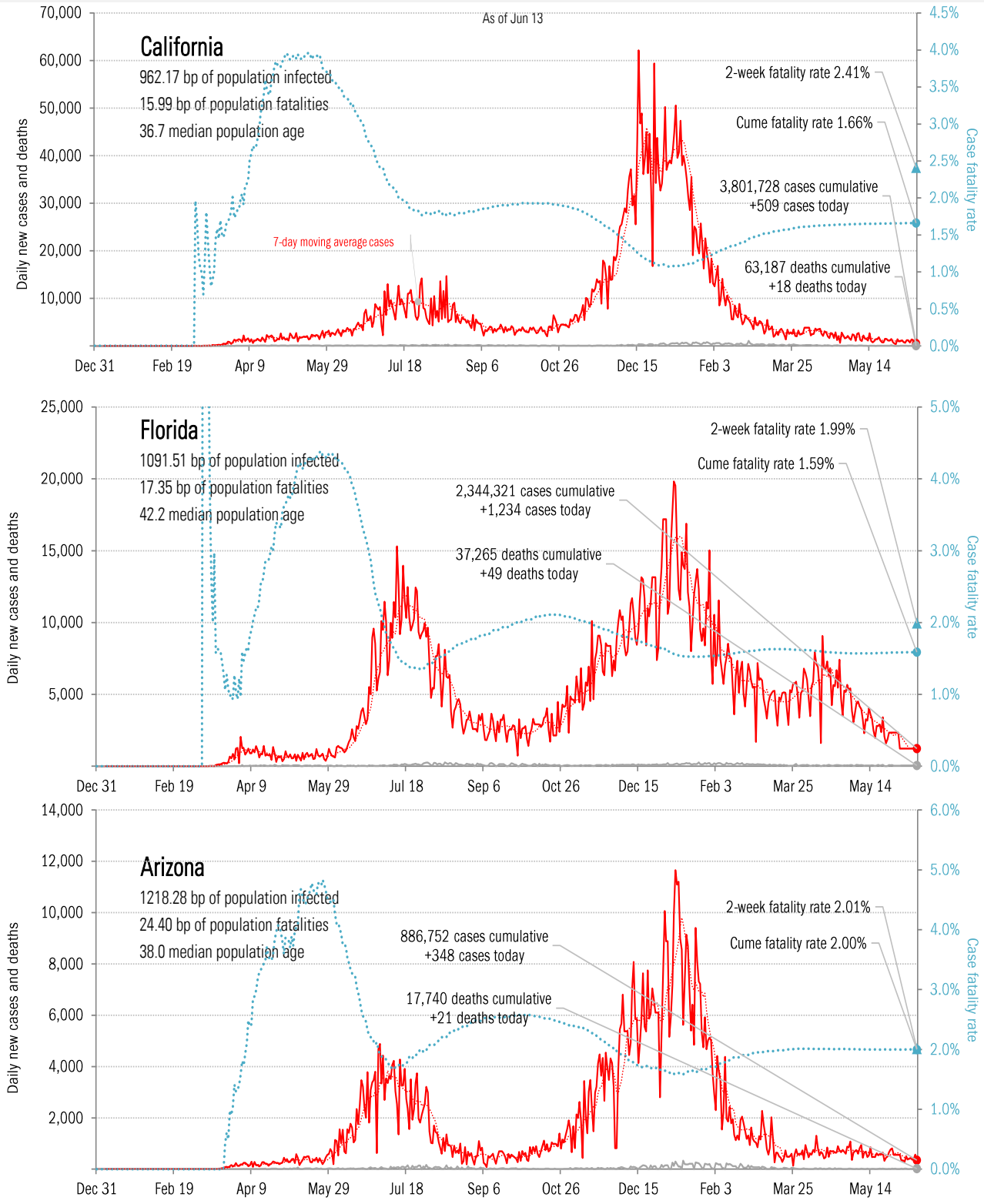
Source: Covid Act Now, TrendMacro calculations

From Ground Zero to the Rio Grande



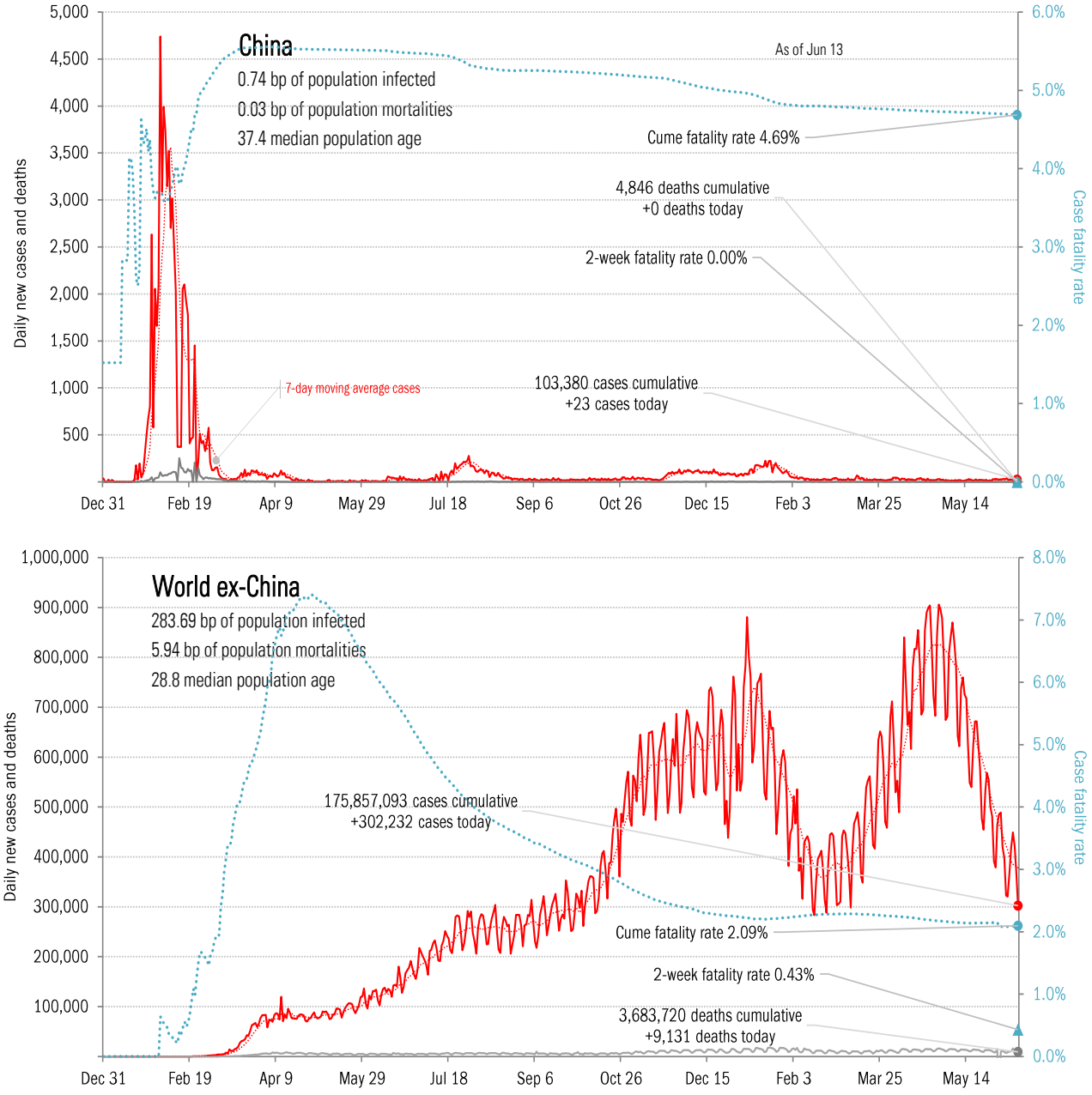
Source: Johns Hopkins, TrendMacro calculations

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



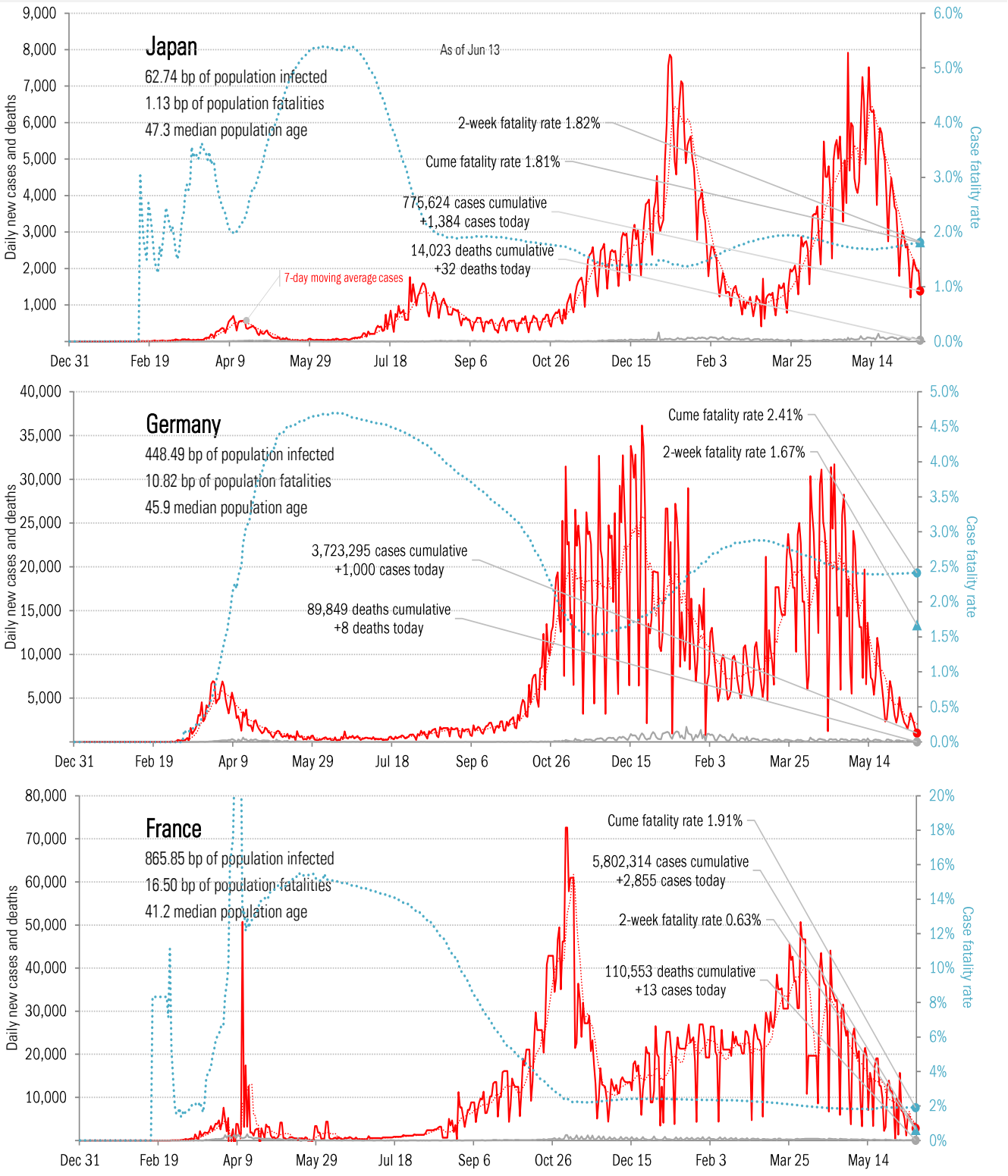
Source: Johns Hopkins, TrendMacro calculations

Patient zero… and then everyone else



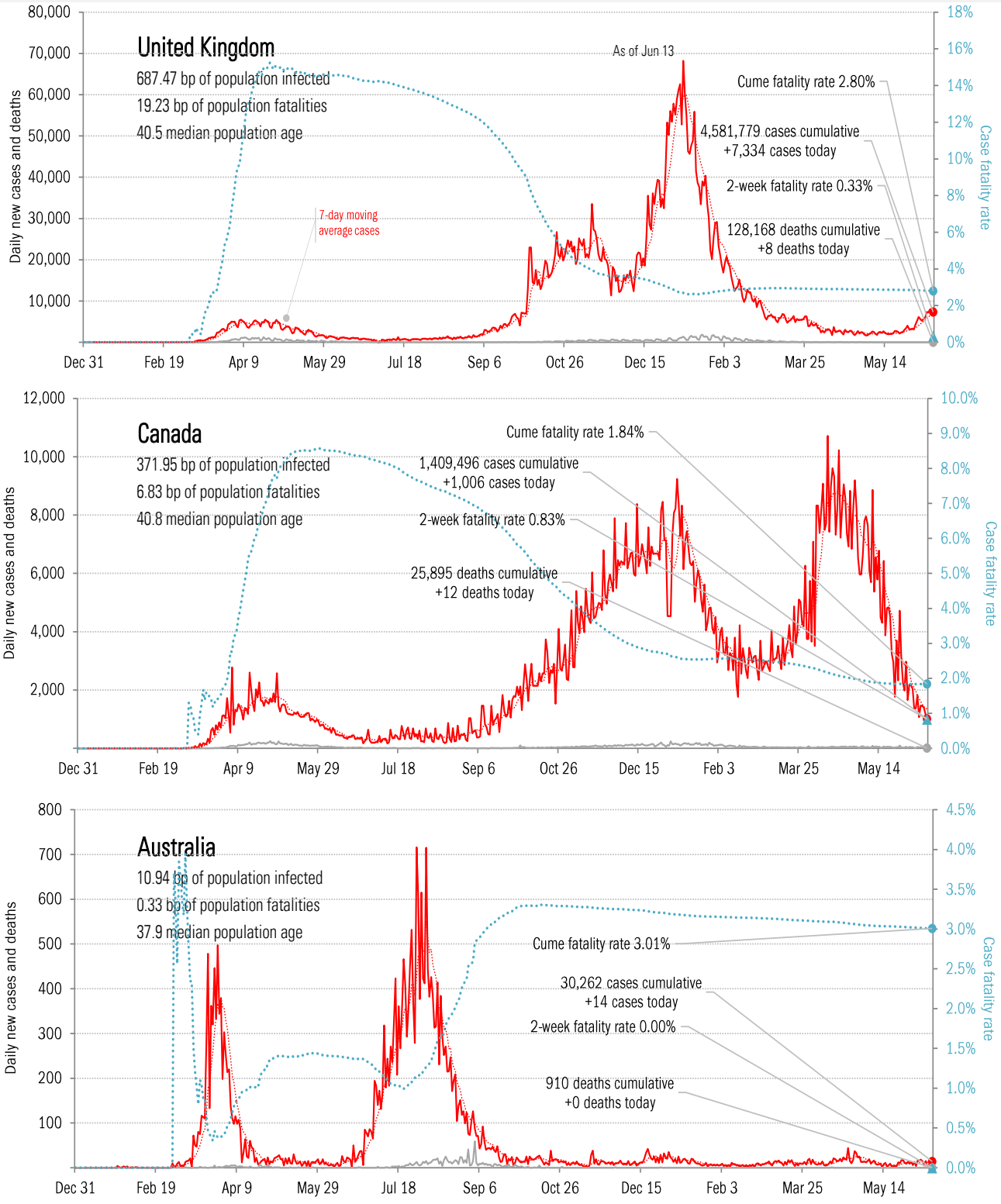
Source: Johns Hopkins, TrendMacro calculations

Impact in the largest economies



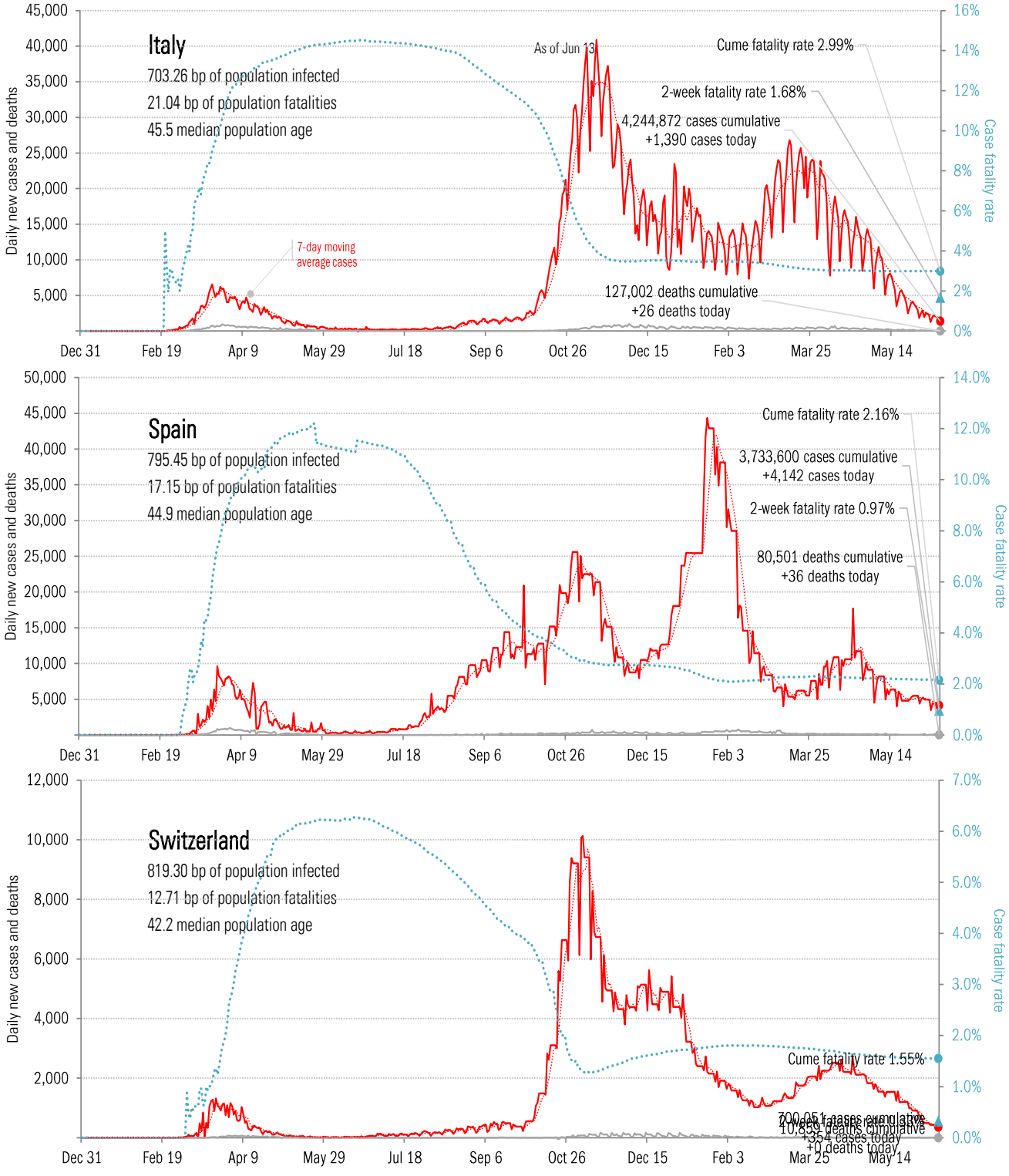
Source: Johns Hopkins, TrendMacro calculations

Impact in The Anglosphere



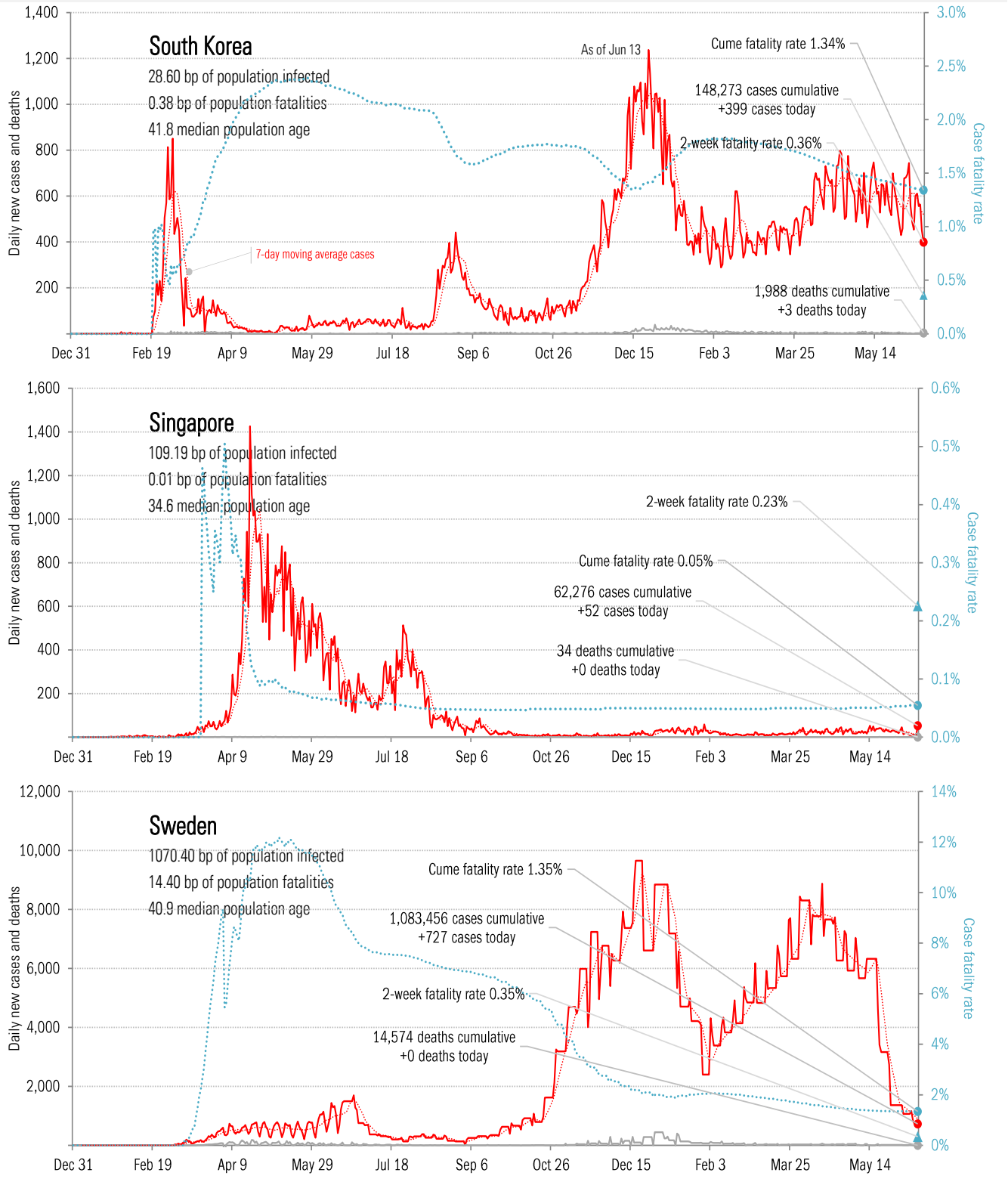
Source: Johns Hopkins, TrendMacro calculations

Impact in continental Europe



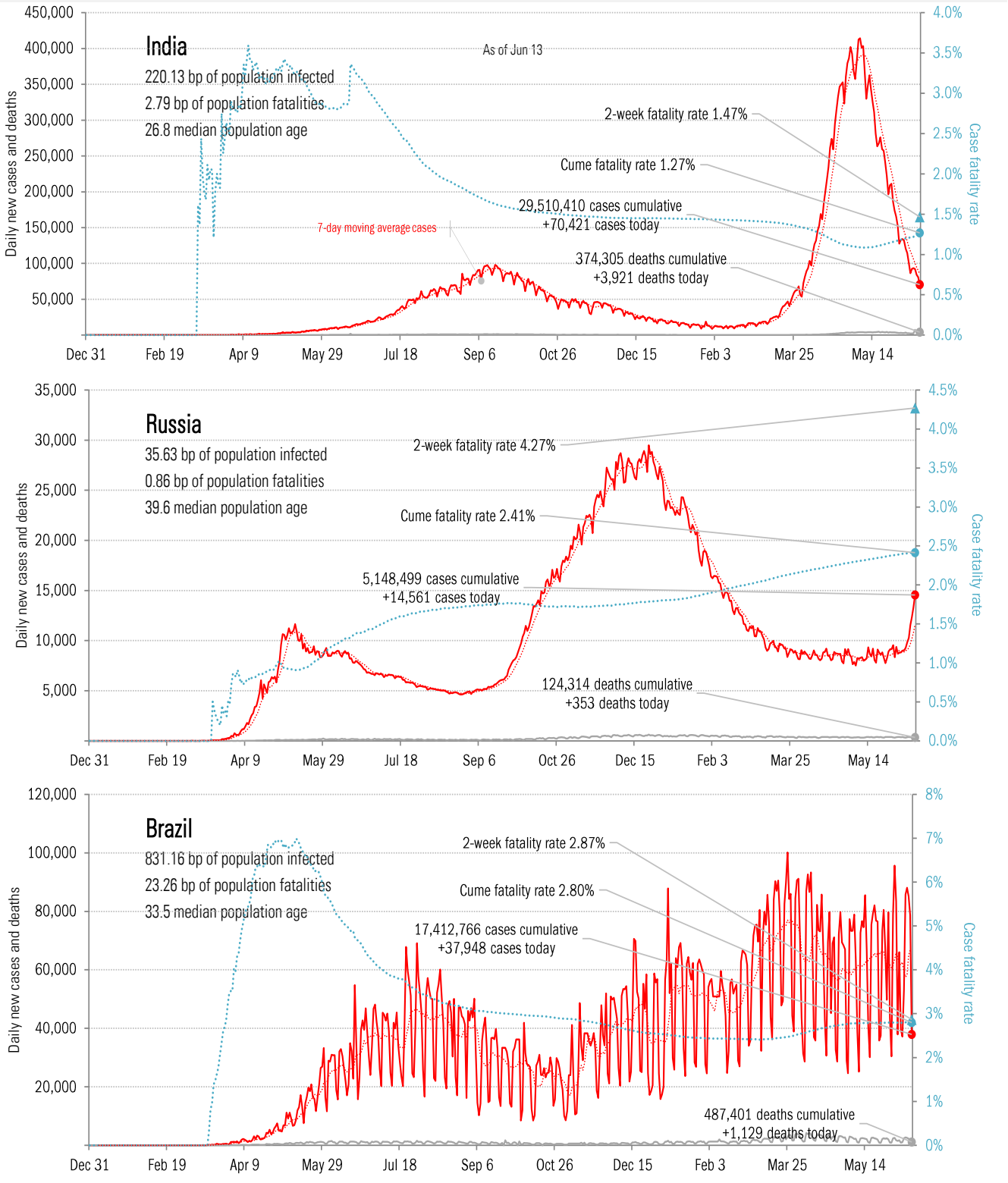
Source: Johns Hopkins, TrendMacro calculations

Impact in other hot-spots



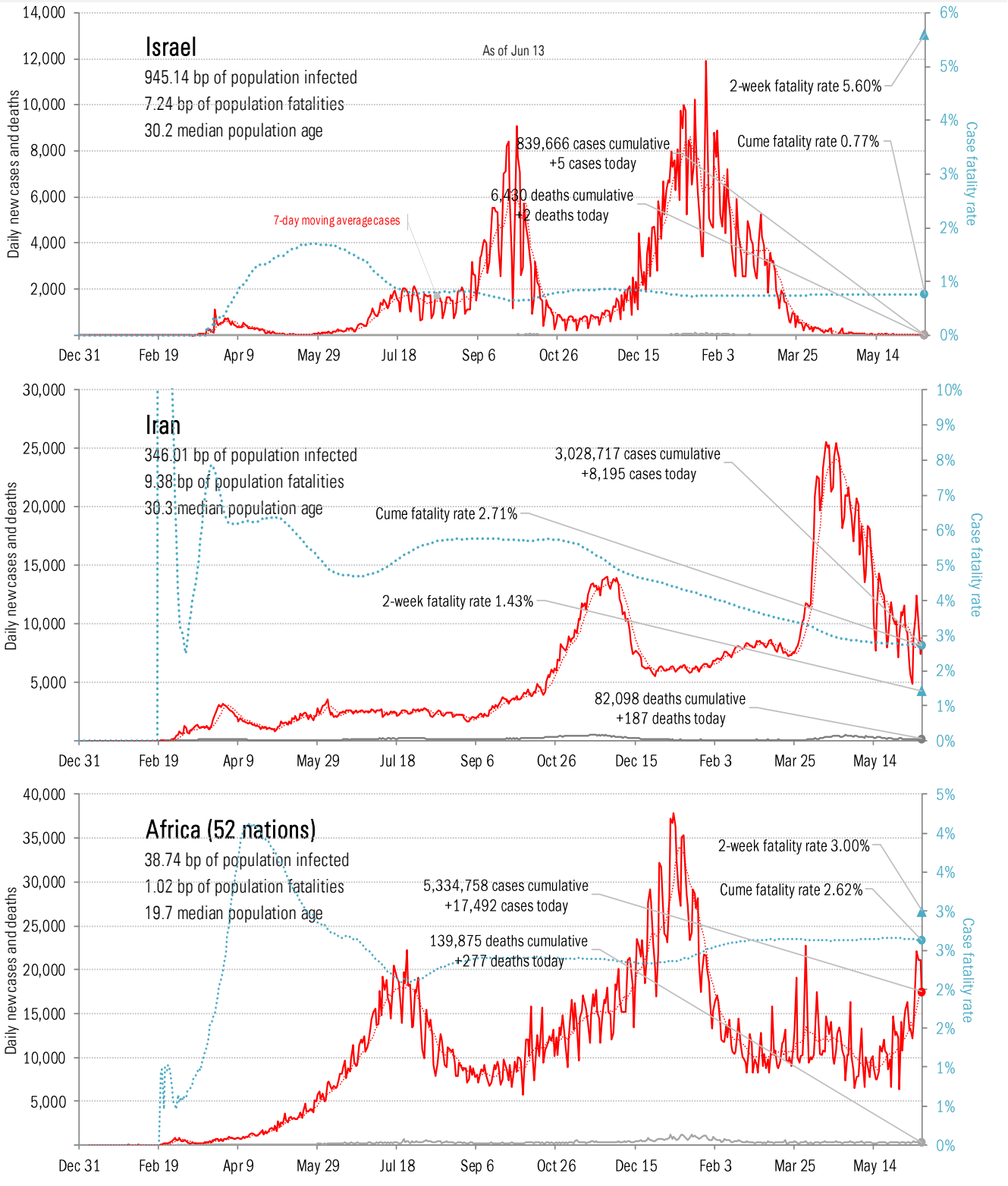
Source: Johns Hopkins, TrendMacro calculations

Impact in the BRICs ex-China



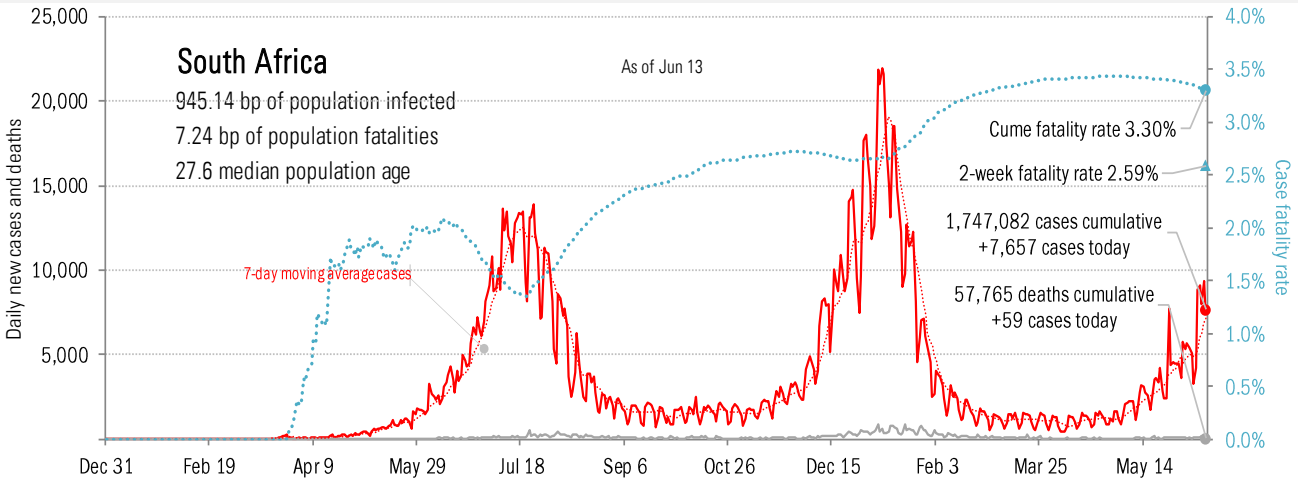
Source: Johns Hopkins, TrendMacro calculations

Impact in the Middle East and Africa



Source: Johns Hopkins, TrendMacro calculations

Impact in Africa, continued



Source: Johns Hopkins, TrendMacro calculations