

Data Insights: Covid-2019 Monitor

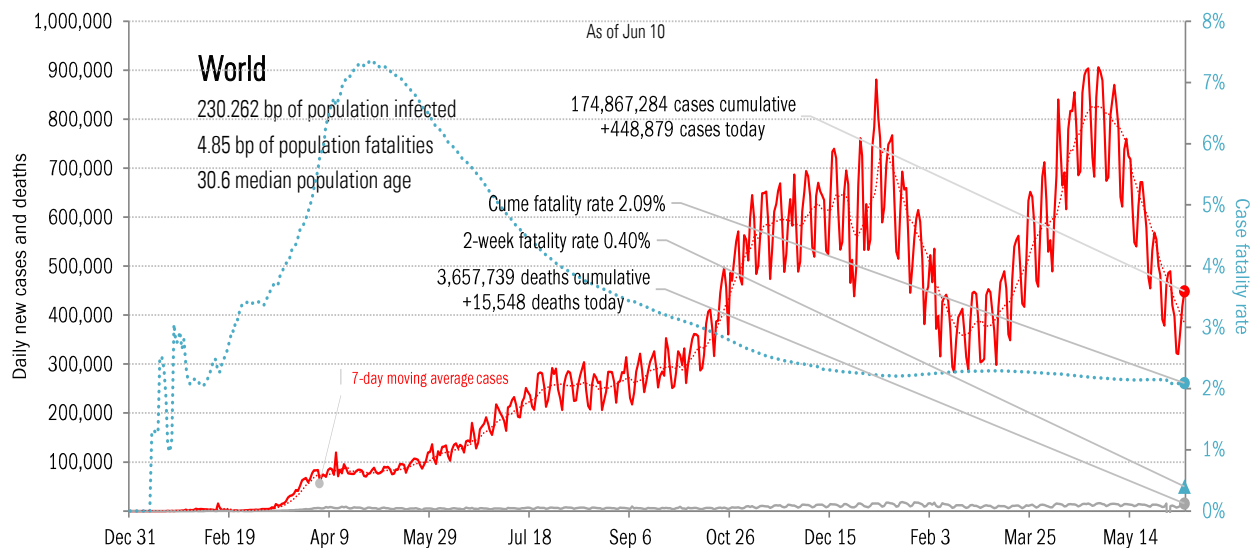
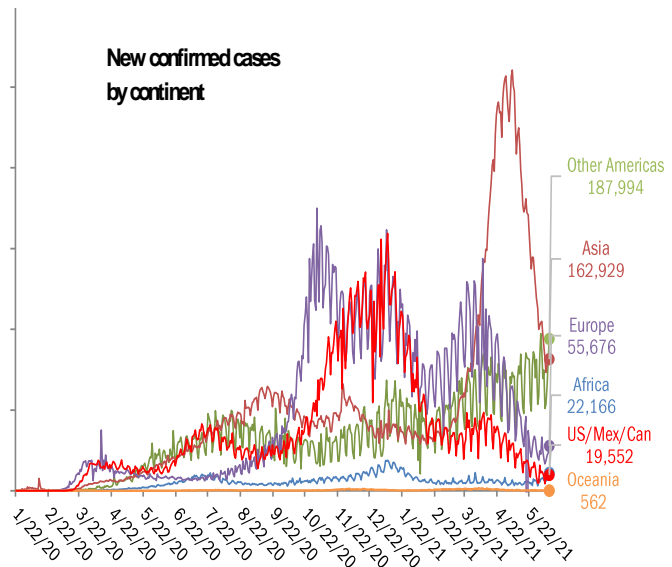
Friday, June 11, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
India	+92,291	India	+7,374
Brazil	+88,092	Brazil	+2,504
Colombia	+31,656	Peru	+690
Argentina	+27,628	Argentina	+669
United States	+14,417	Colombia	+652
Spain	+14,004	United States	+432
Iran	+12,398	Russia	+376
Russia	+11,560	Mexico	+227
South Africa	+9,147	Indonesia	+211
Indonesia	+8,892	Chile	+198
+310,085		+13,333	
World	+448,879	World	+15,548
Top ten	69%	Top ten	86%

New confirmed cases by continent



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

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The US scorecard

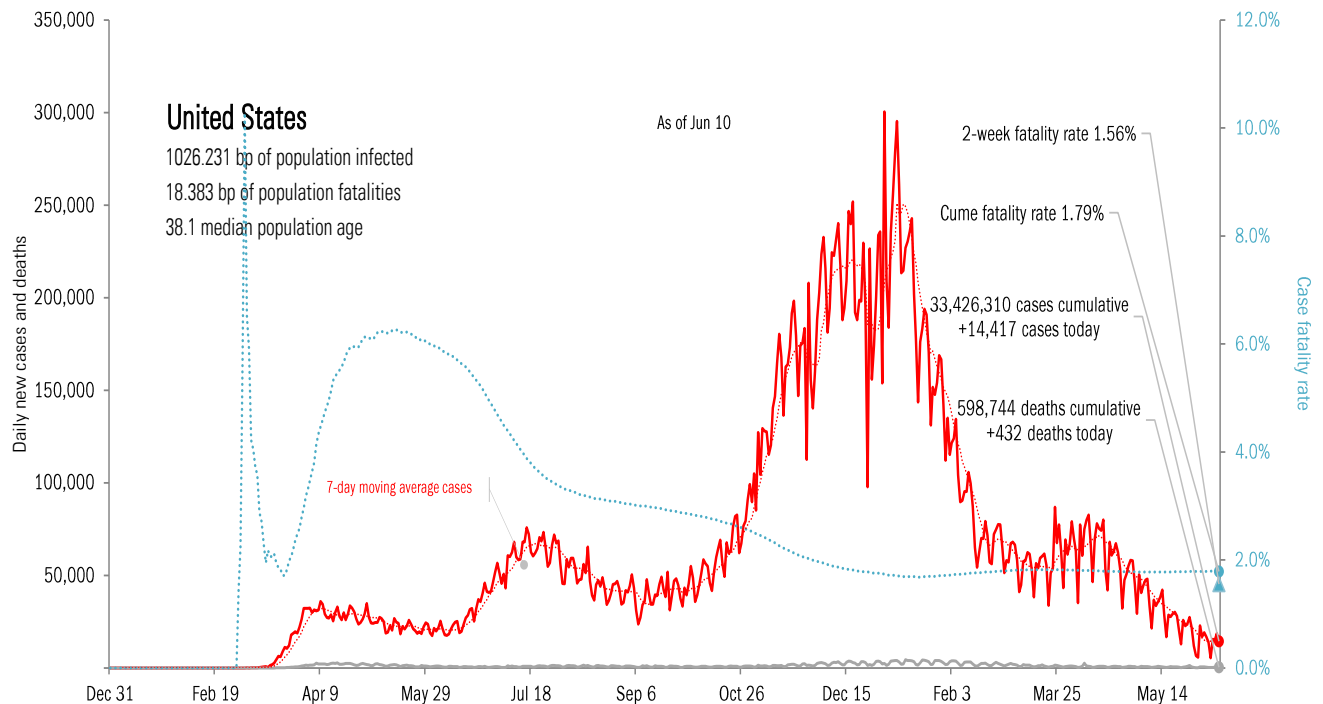
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+1,784		GA	+45		CA	+38		CA	3,799,978		CA	63,216		TX	249,561		R	92%	WA	13%
CA	+1,347		MI	+45		GA	+35		TX	2,976,900		NY	53,505		CA	237,075		MA	83%	CO	13%
WA	+717		TX	+32		TX	+21		FL	2,332,867		TX	51,846		FL	181,592		PA	82%	ID	13%
MO	+675		AZ	+27		WA	+20		NY	2,107,831		FL	36,973		NY	134,958		MO	82%	MO	13%
PA	+668		PA	+21		MO	+12		IL	1,386,543		PA	27,438		GA	107,230		MI	80%	MI	11%
CO	+596		IL	+17		MS	+12		PA	1,212,155		NJ	26,322		PA	90,485		MD	80%	ME	10%
NY	+542		KY	+17		WI	+7		GA	1,127,658		IL	25,430		CH	86,374		MIN	79%	MS	10%
LA	+473		NC	+16		CT	+5		CH	1,106,064		GA	21,094		IL	81,317		WV	78%	OR	10%
NC	+464		CO	+15		ND	+5		NJ	1,018,833		MI	20,712		KY	75,938		CT	78%	WV	10%
IN	+460		NY	+13		NV	+5		NC	1,007,273		CH	20,021		MI	72,198		DC	77%	UT	9%
+7,726			+248			+160			18,076,102			346,557			1,316,728						
All states	+14,417			-+20			-146		All states	33,426,310			598,744			2,344,450		All states	70%		67%
Top ten	54%			-1240%			-110%		Top ten	54%			58%			56%		Median	72%		7%

Some states not reporting

Five most improved US states

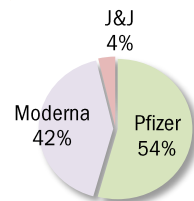
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-5,155	CA	-409	FL	-70	ME	+42 bp
KS	-385	AL	-26	CH	-30	FR	+41 bp
LA	-301	NJ	-25	AL	-23	MD	+36 bp
SC	-144	WV	-22	VA	-22	NJ	+36 bp
CO	-101	MO	-12	CO	-17	WV	+36 bp



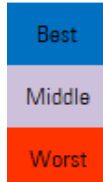
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

US overall	Total		Today	Immunity	Full	Partial
Doses distributed	385,369,285		+0.335 million	US	42.3%	51.6%
Doses administered	314,956,660		+0.955 million	UK	42.5%	60.2%
Administered	One dose	% Pop	Immune	% pop	New immune today	
Total population	176,966,395	53%	145,573,458	44%	+0.615 million	France 19.9% 43.6%
Age 12 to 17	7,199,695	29%	3,638,047	14%	+0.183 million	Spain 25.4% 44.1%
Age 18 to 64	120,720,738	59%	98,918,620	49%	+0.364 million	Germany 24.6% 47.2%
Age 65 and over	48,930,169	89%	42,977,143	79%	+0.065 million	Italy 22.6% 46.2%
						Australia 2.6% 19.0%
						Israel 59.4% 63.3%
						Canada 9.9% 63.6%
						Japan 4.3% 12.6%
						Africa 0.8% 2.2%
						India 3.3% 14.1%
						Brazil 11.0% 24.7%



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 **173 days** by Nov 29, 2021

67.9% of population >18 immunized
14.1% previously tested positive
81.9% vs 60% adult herd immunity*

Global data differs from sources, timing

AK
60.0%
47.0%
40.5%

ME
71.2%
64.7%
57.2%

WA	ID	MT	ND	MN	IL	MI	NY	MA		
63.0%	48.5%	54.5%	48.4%	59.9%	60.1%	60.3%	62.9%	72.3%		
58.3%	38.3%	46.4%	42.7%	55.4%	56.6%	49.8%	57.2%	68.2%		
49.3%	33.7%	40.2%	37.2%	47.9%	41.7%	43.8%	49.0%	57.1%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
68.7%	51.0%	46.9%	56.8%	56.6%	51.8%	54.8%	64.0%	66.5%	68.4%	73.1%
56.2%	46.7%	37.9%	49.0%	50.1%	42.6%	46.9%	60.1%	62.0%	64.7%	62.3%
48.0%	38.2%	32.6%	43.3%	45.3%	36.7%	41.7%	45.9%	51.2%	56.1%	53.8%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
64.2%	52.0%	62.5%	55.6%	51.3%	52.0%	55.0%	62.1%	72.0%	67.8%	
58.3%	46.0%	55.6%	49.4%	43.1%	47.5%	41.8%	56.7%	58.8%	55.9%	
45.3%	33.6%	47.4%	43.8%	35.6%	39.8%	35.0%	47.3%	50.6%	45.1%	
AZ	NM	KS	AR	TN	NC	SC	DC			
57.3%	58.4%	54.8%	49.2%	47.9%	57.8%	53.2%	78.2%			
47.3%	58.8%	47.6%	40.4%	39.9%	44.1%	41.9%	58.2%			
37.2%	49.2%	39.4%	32.1%	32.7%	37.2%	35.3%	48.0%			
OK	LA	MS	AL	GA						
52.9%	45.2%	46.7%	50.3%	54.1%						
42.2%	36.6%	34.9%	36.4%	41.3%						
34.5%	32.2%	28.1%	29.8%	33.8%						
HI	TX	FL	PR							
69.9%	56.7%	60.1%	63.9%							
68.0%	45.6%	50.8%	53.3%							
48.9%	37.2%	41.0%	39.8%							

As of Jun 10

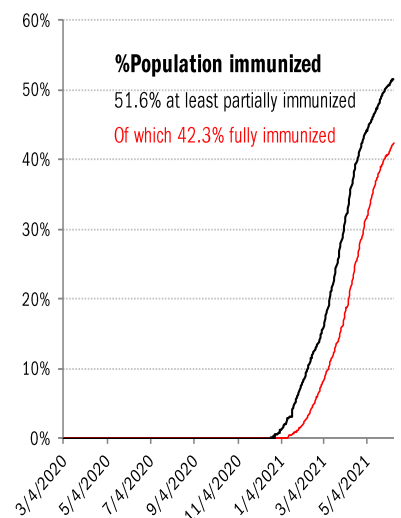
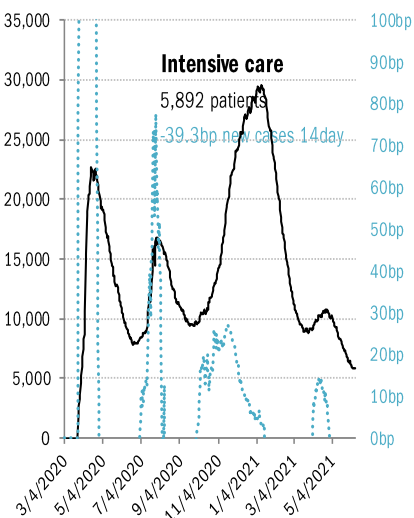
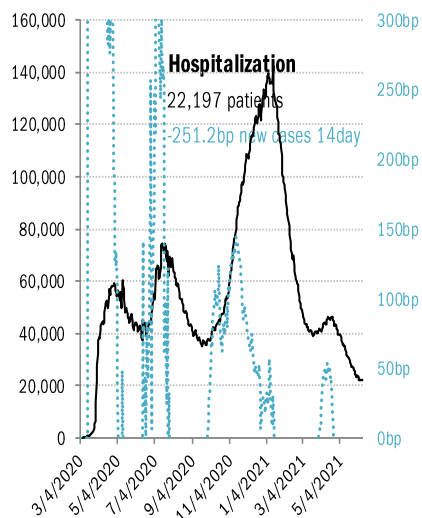
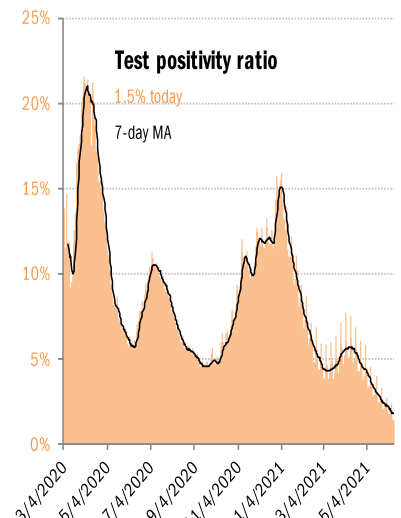
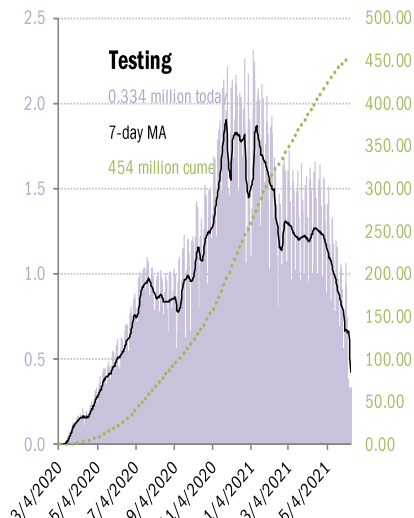
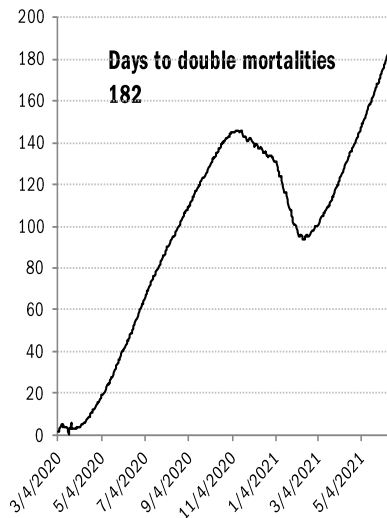
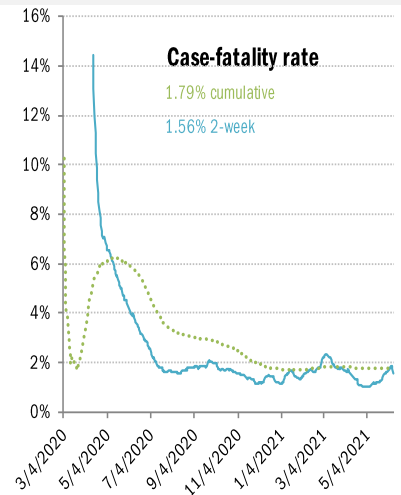
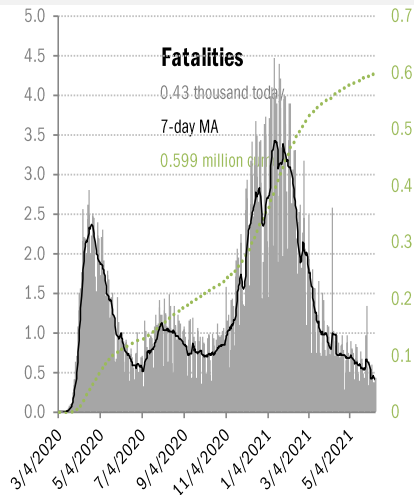
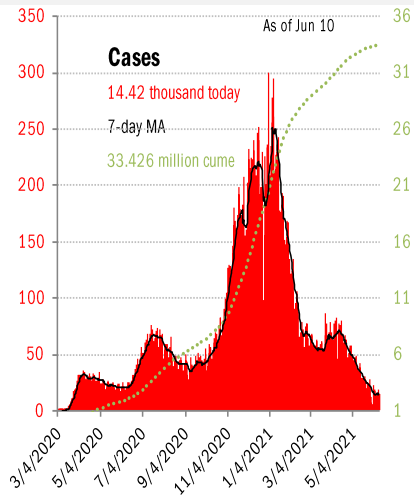
* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

** 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

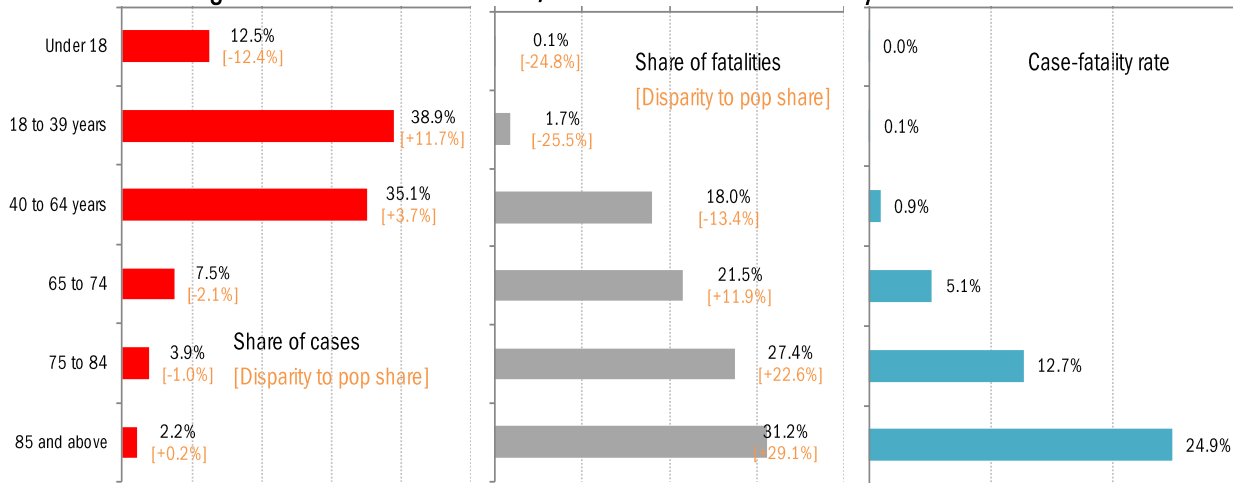
US deep-dive

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

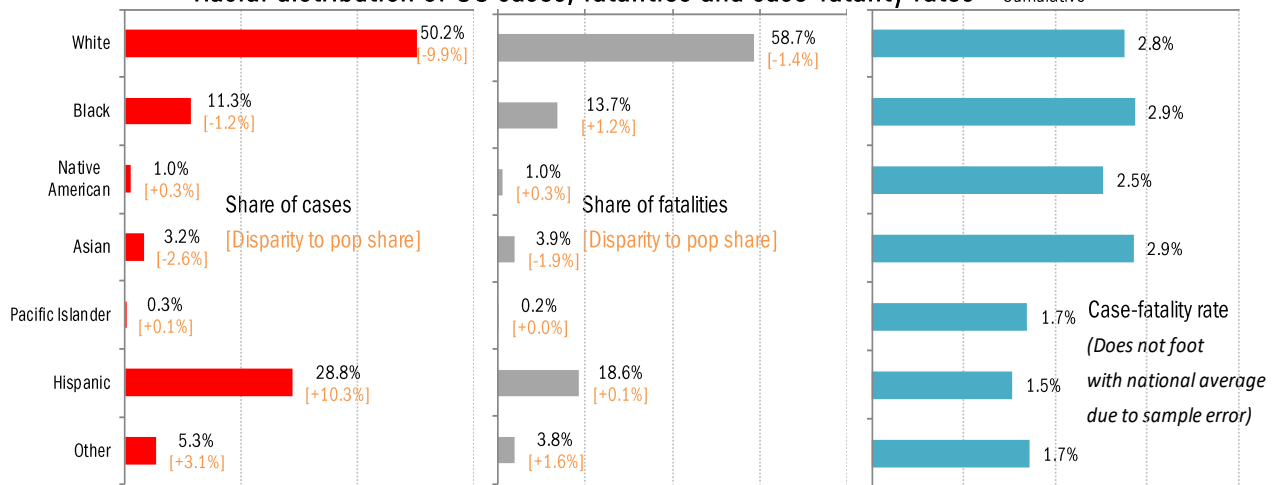


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

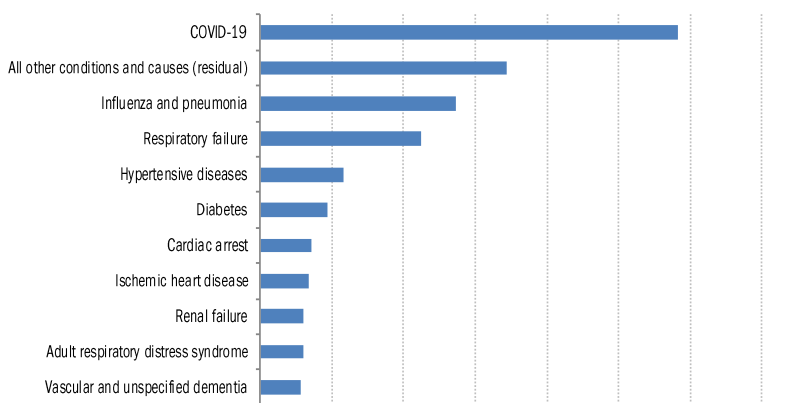


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of 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.

Recommended reading

[The Pandemic's Toll on Teen Mental Health](#)

Monica Gandhi and Jeanne Noble

Wall Street Journal

June 10, 2021

[The next generation Covid-19 vaccines seeking a slice of the market](#)

Hannah Kuchler, Donato Paolo Mancini and Nikou Asgari

Financial Times

June 10, 2021

[Andrew Lloyd Webber 'prepared to be arrested' over theatre reopening](#)

BBC

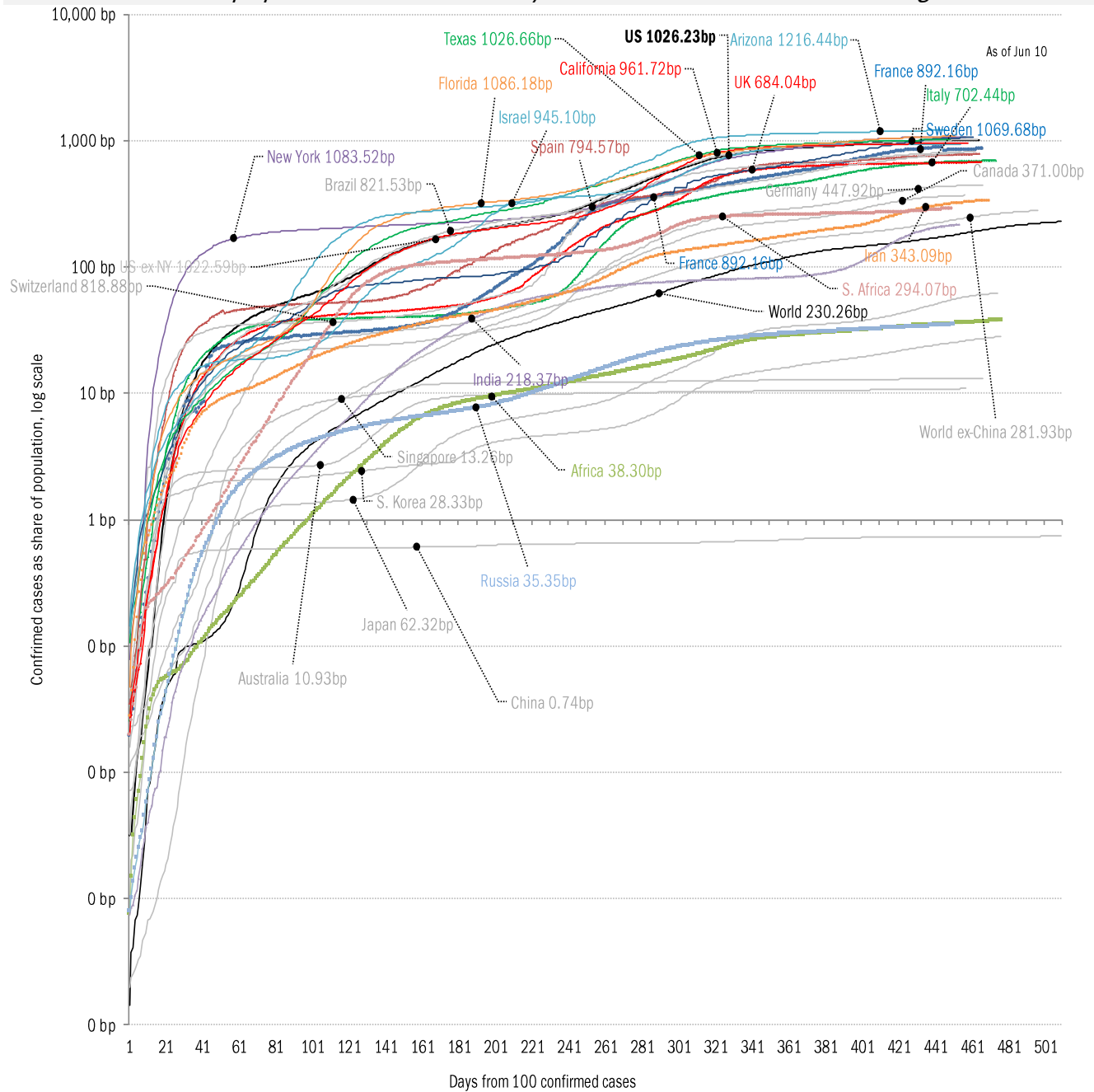
June 9, 2021

Meme of the day



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

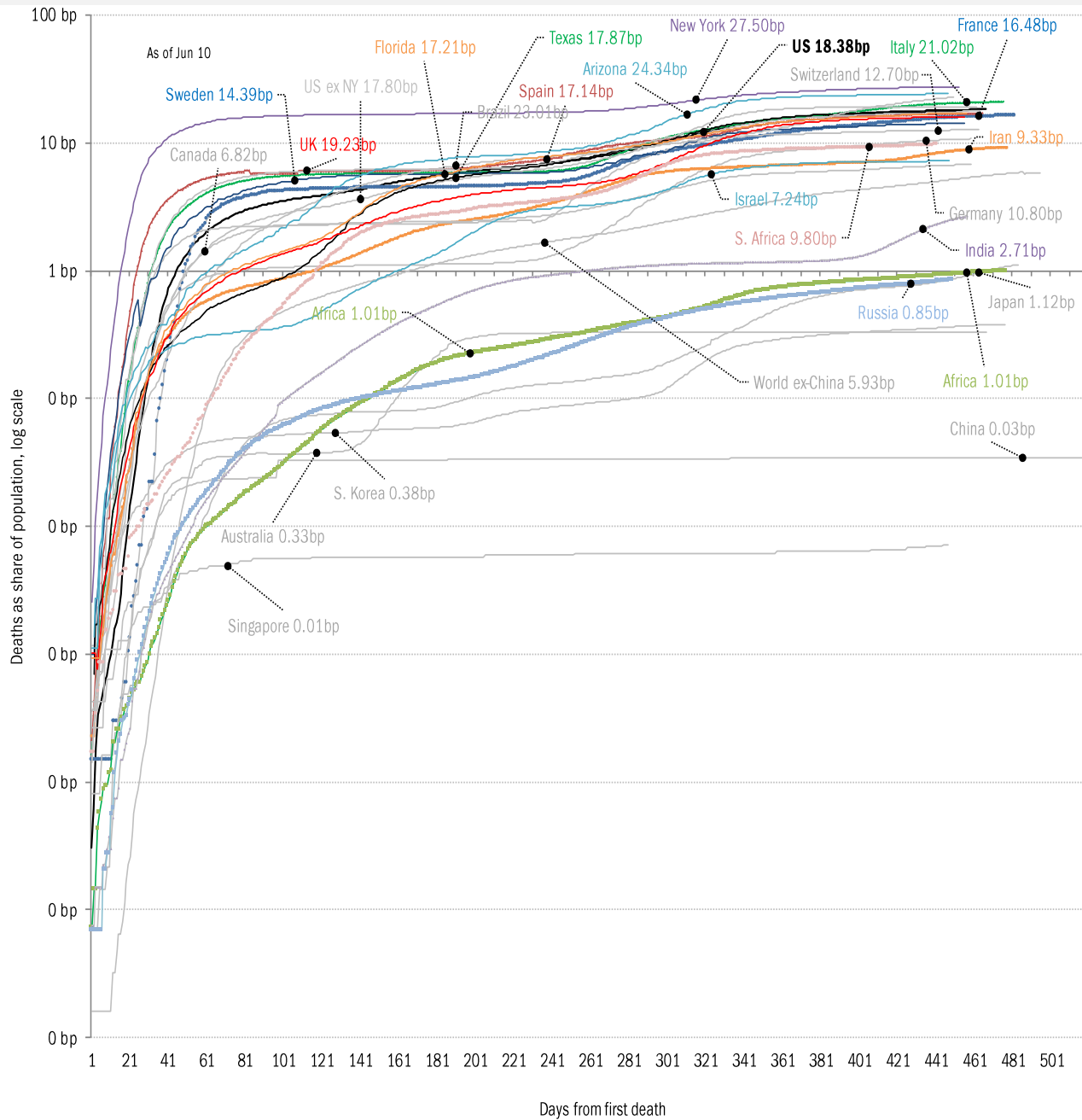
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

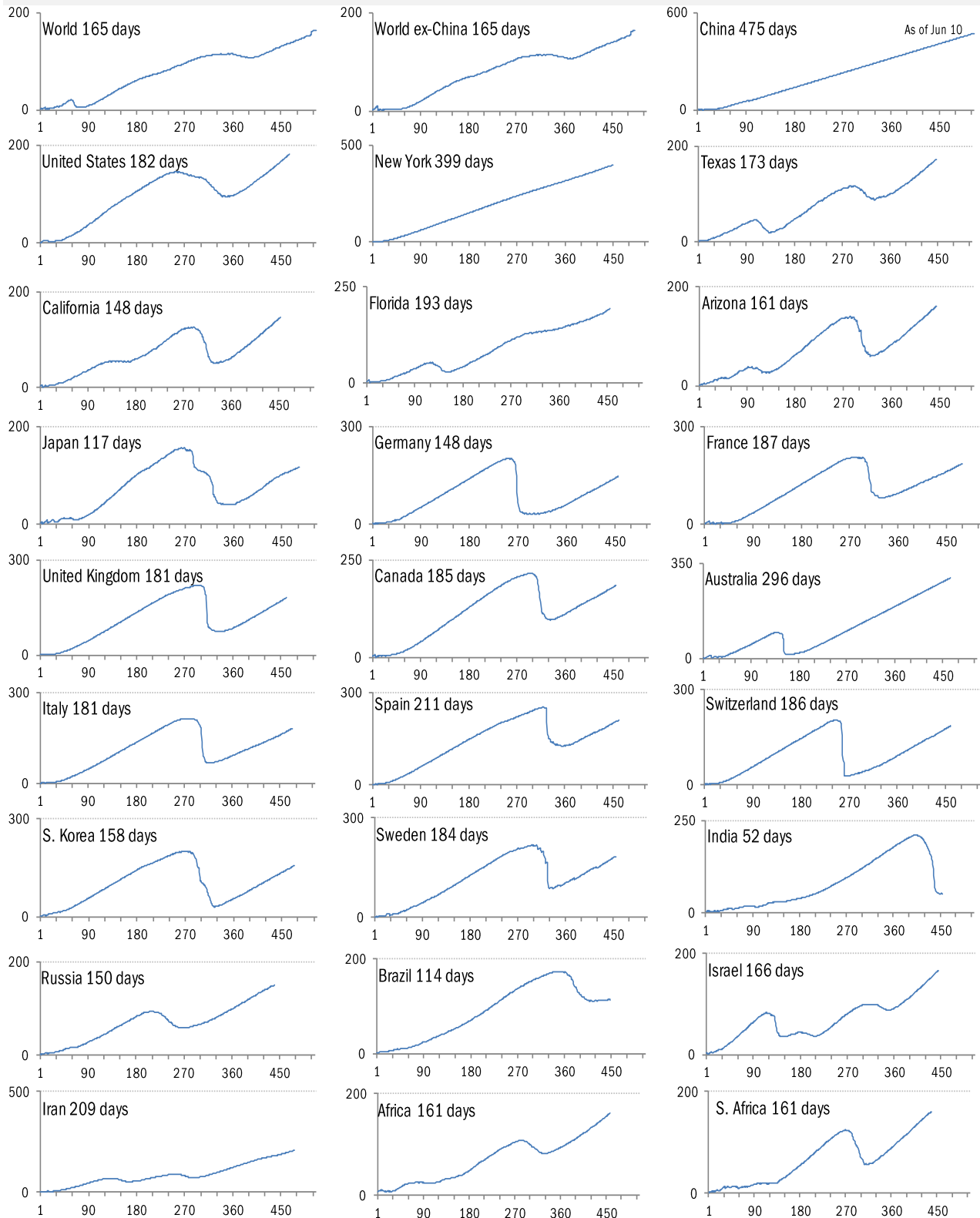


Source: [Johns Hopkins](#), TrendMacro calculations

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

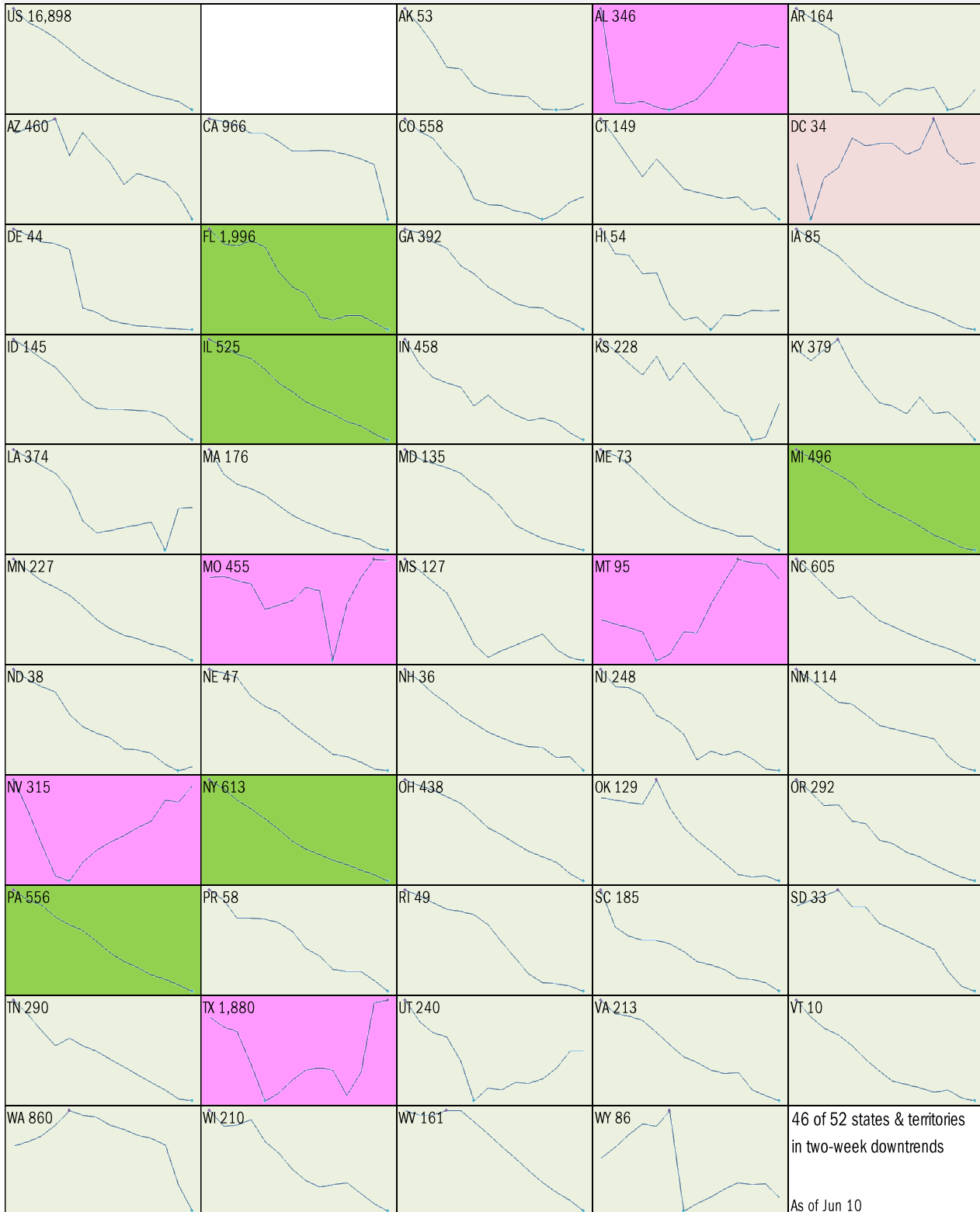
Vertical: days to double deaths Horizontal: days from first death

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

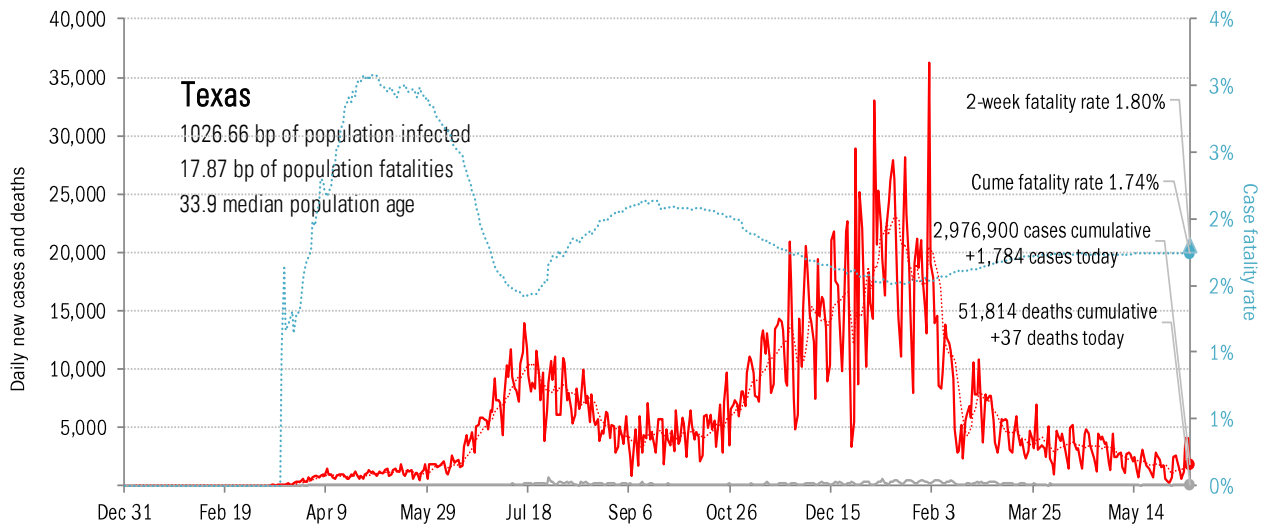
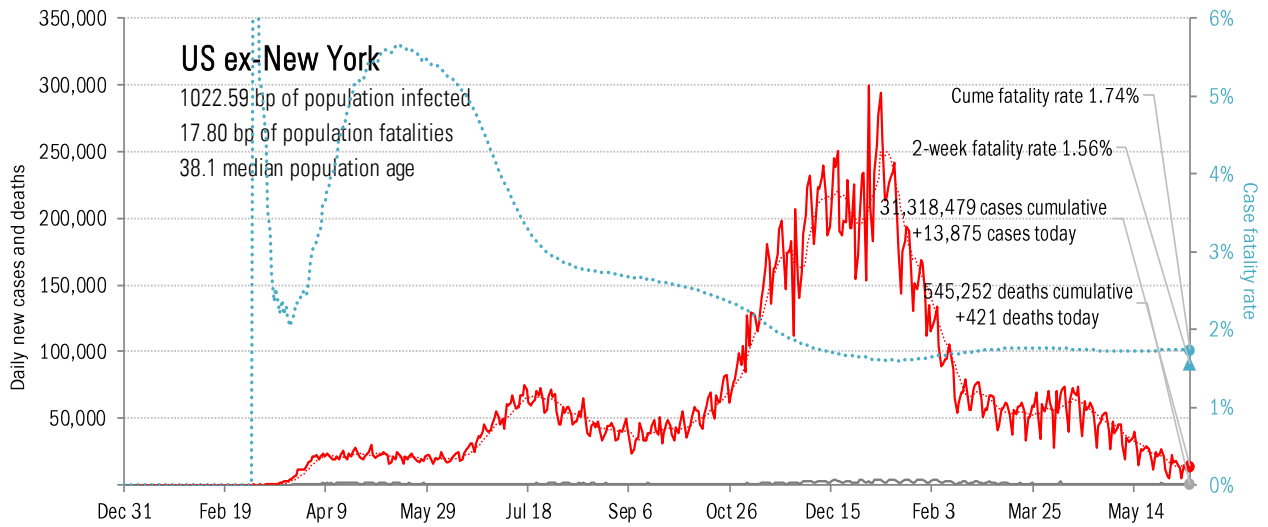
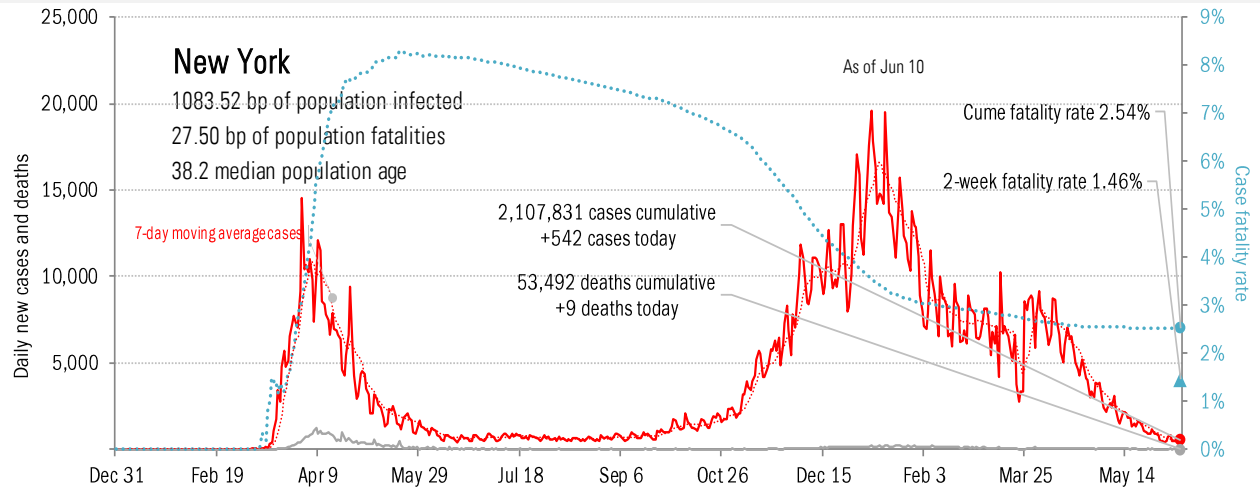
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



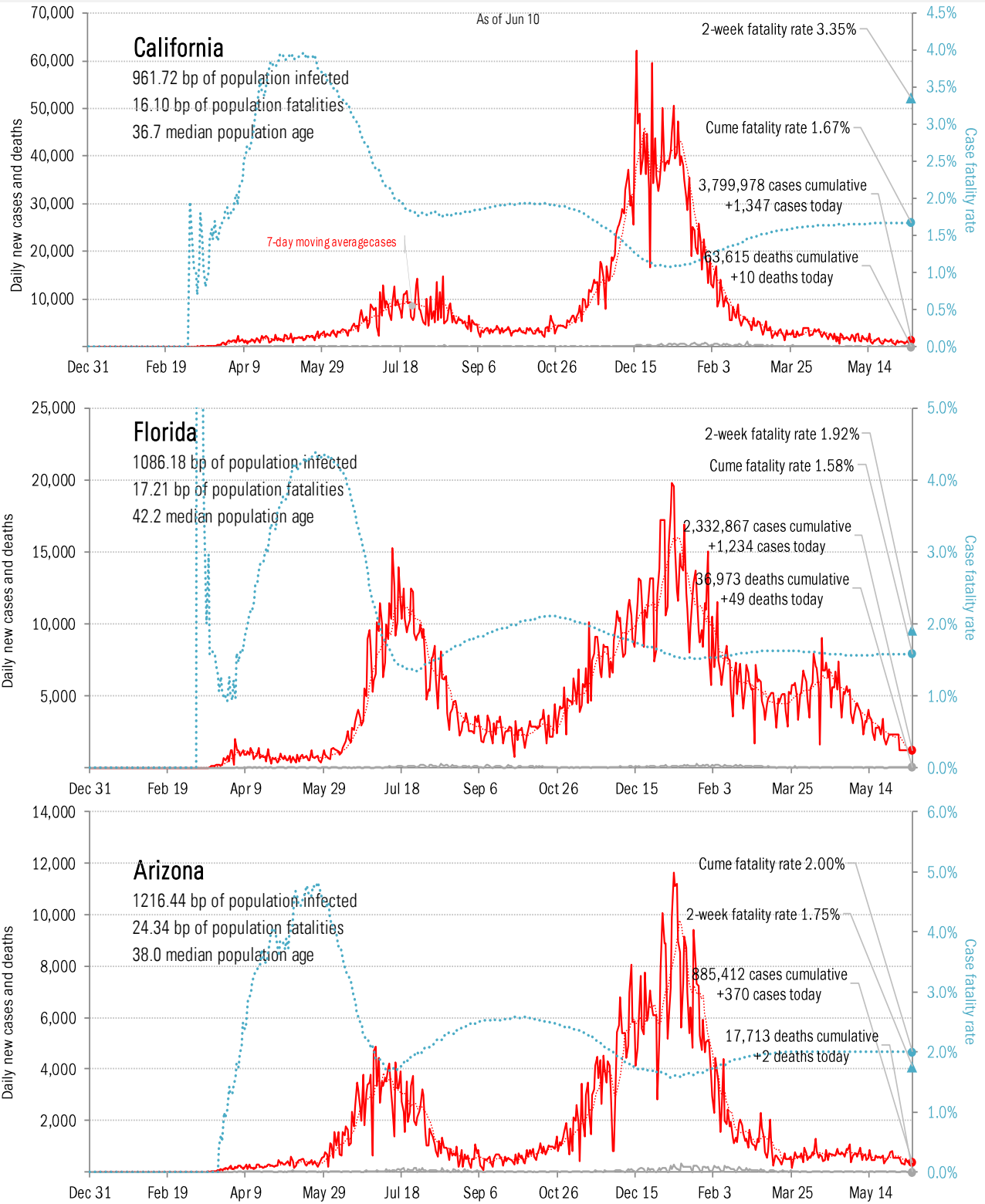
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



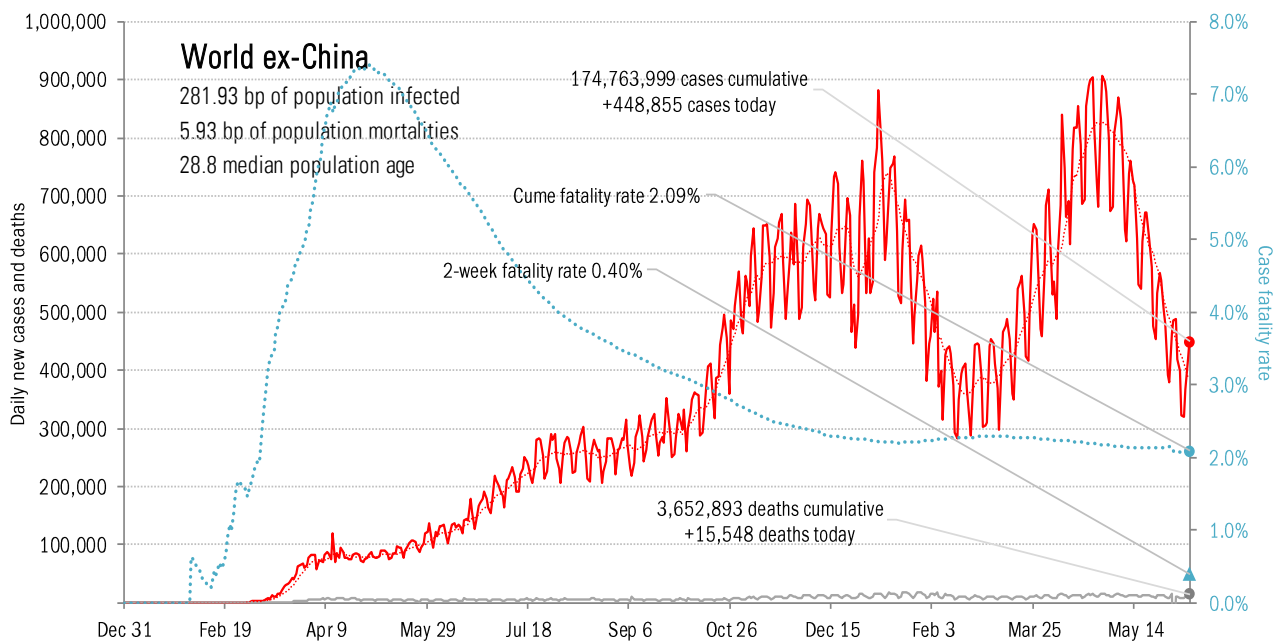
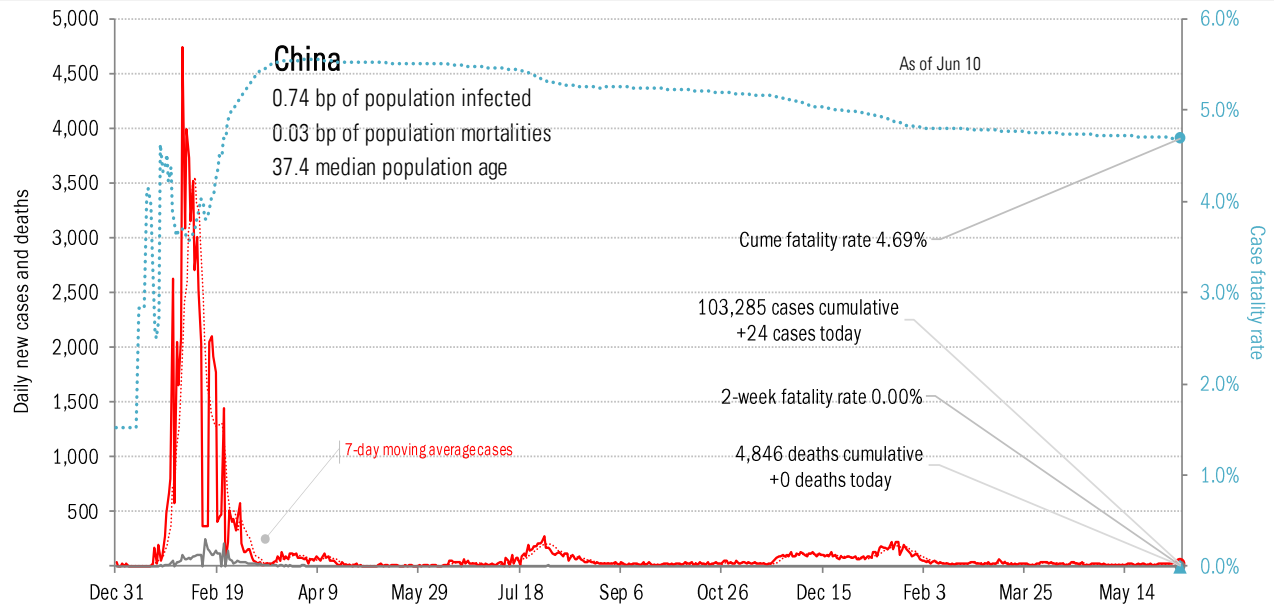
Source: [Johns Hopkins](#), TrendMacro calculations

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



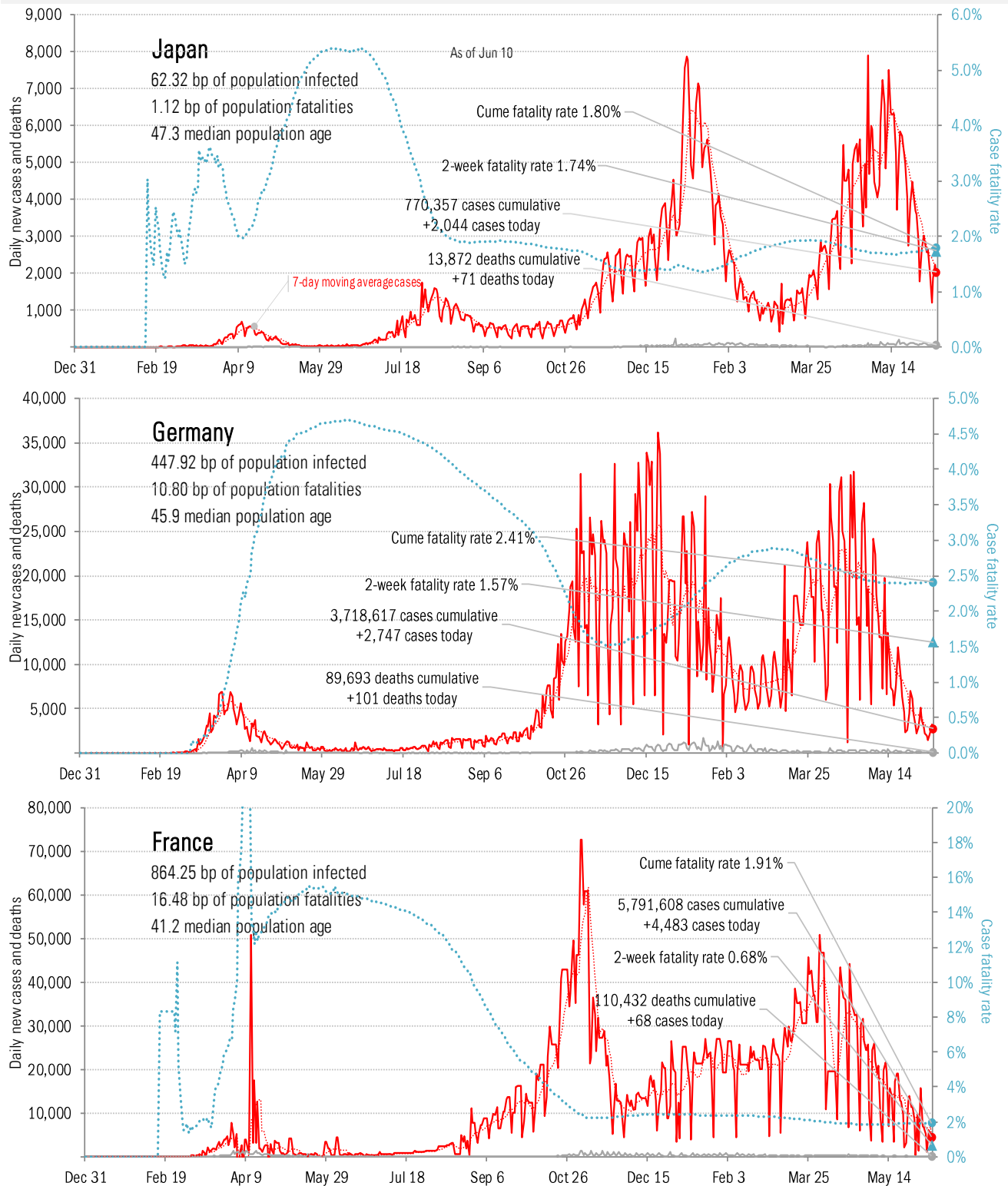
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



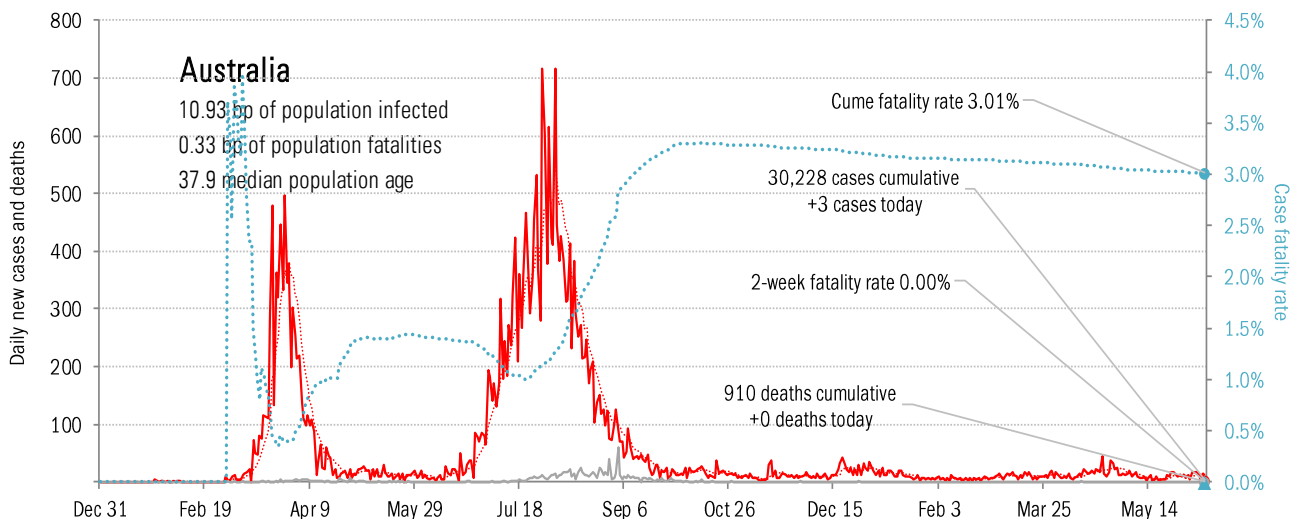
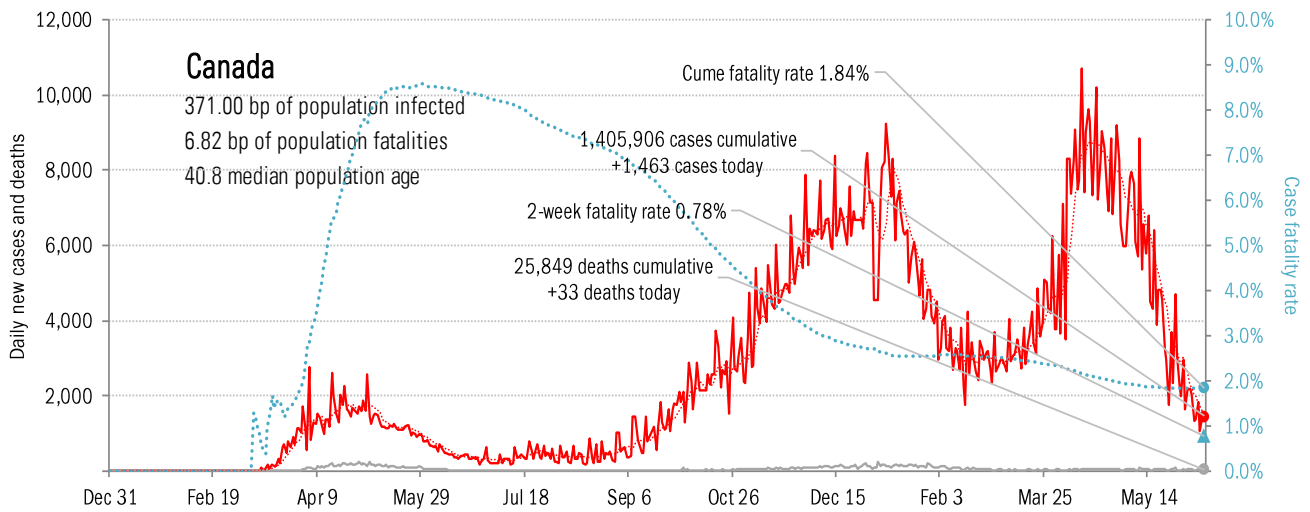
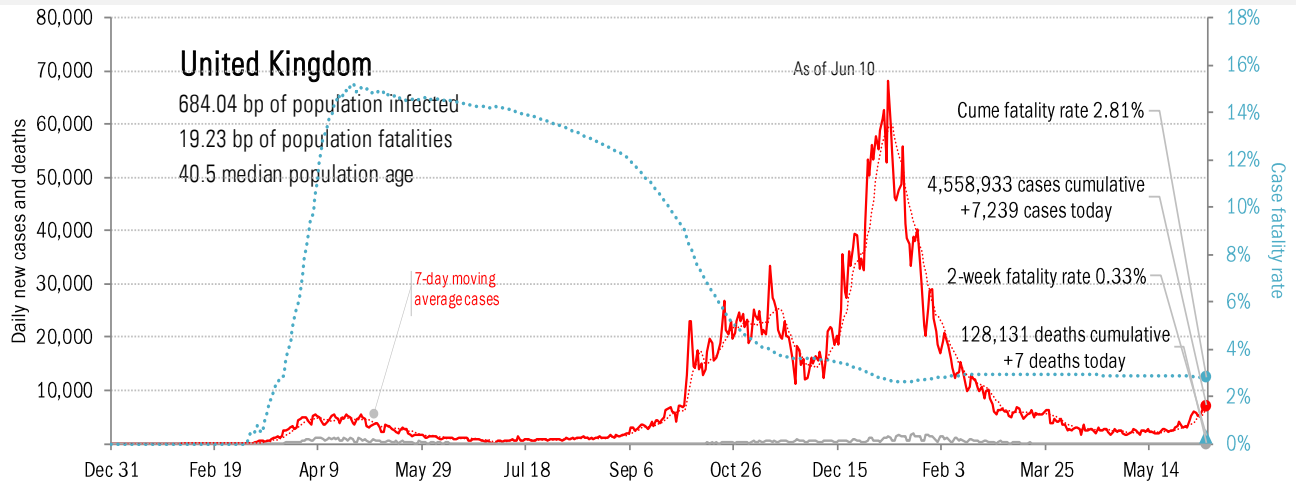
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



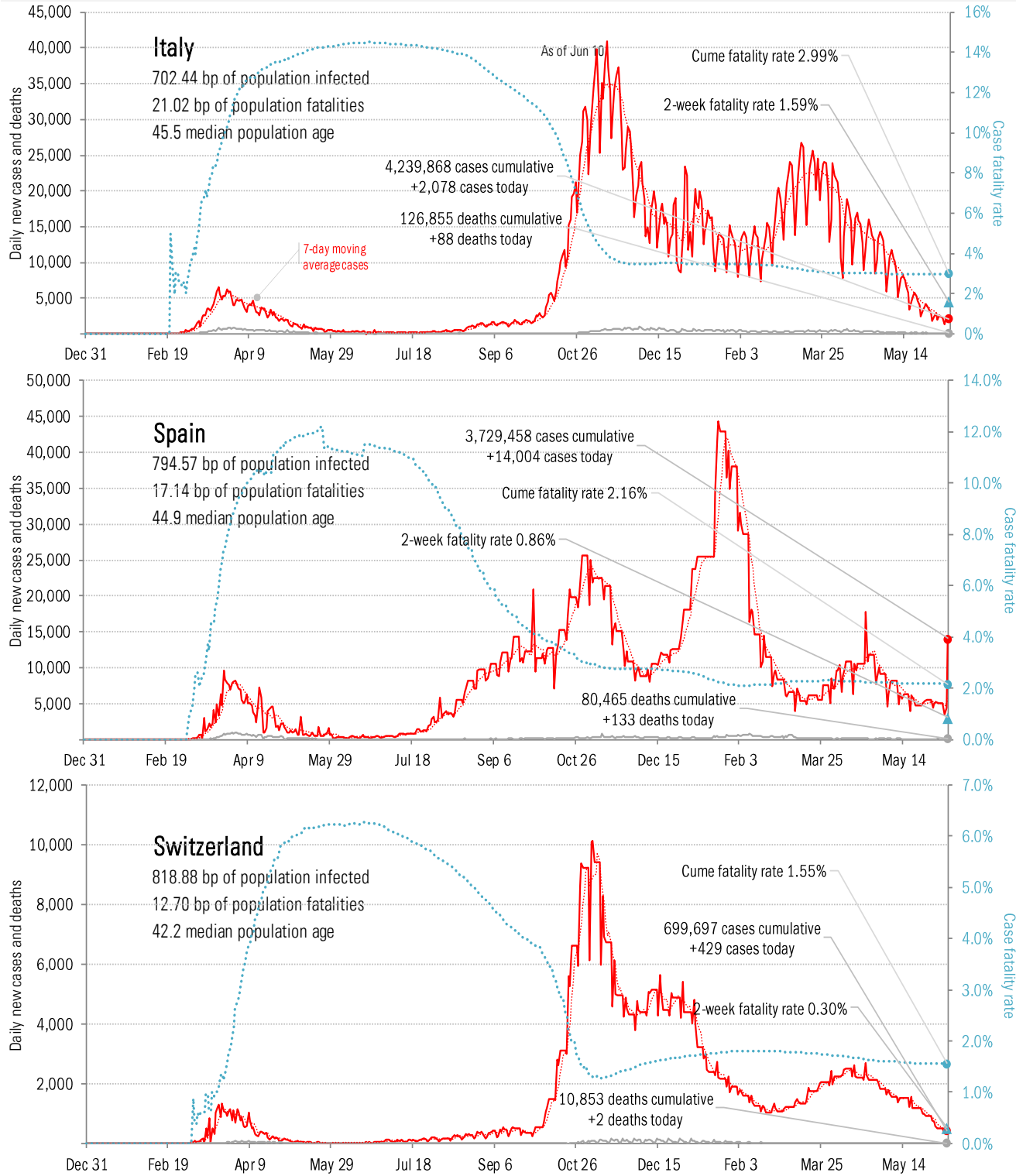
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



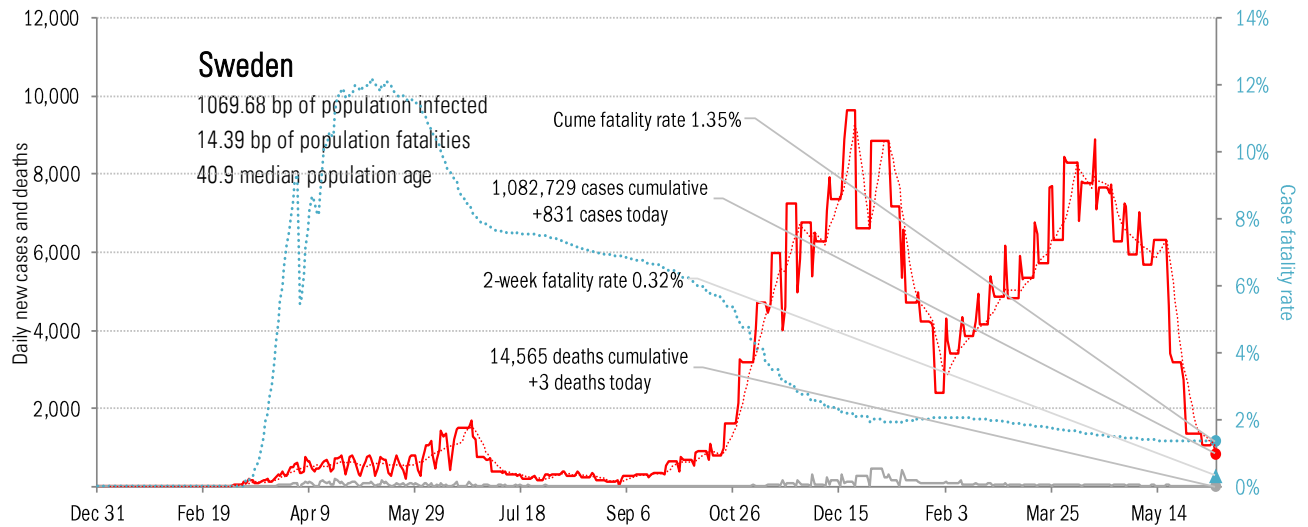
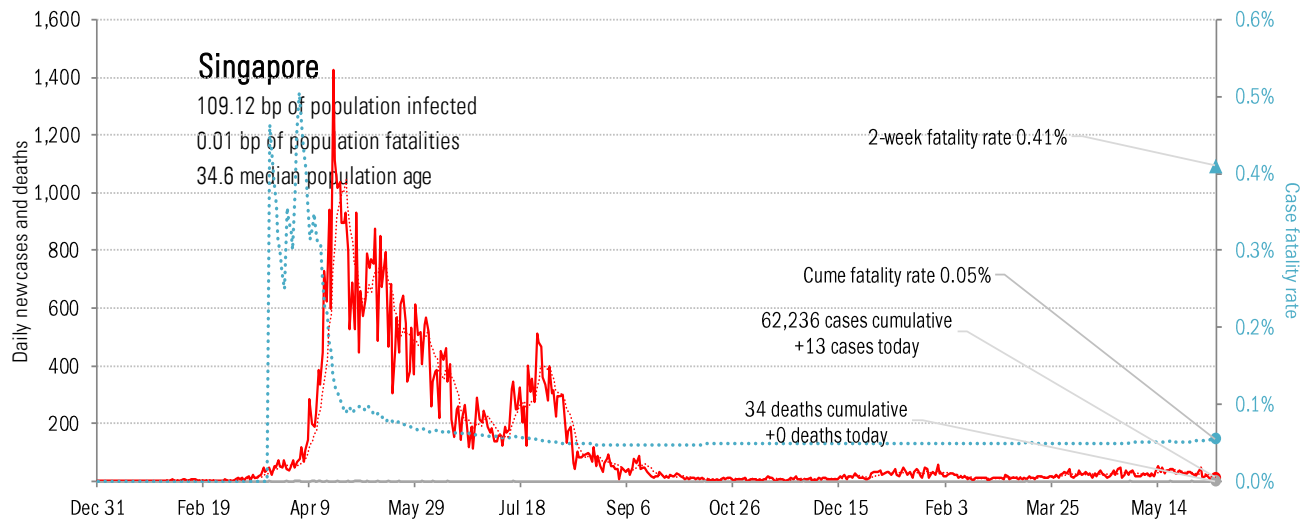
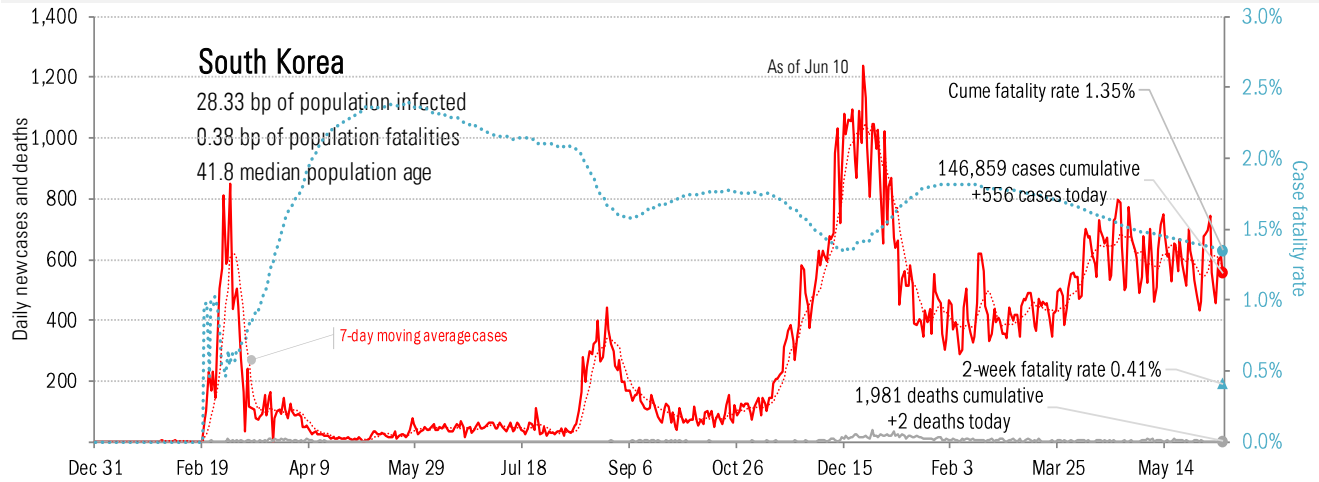
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



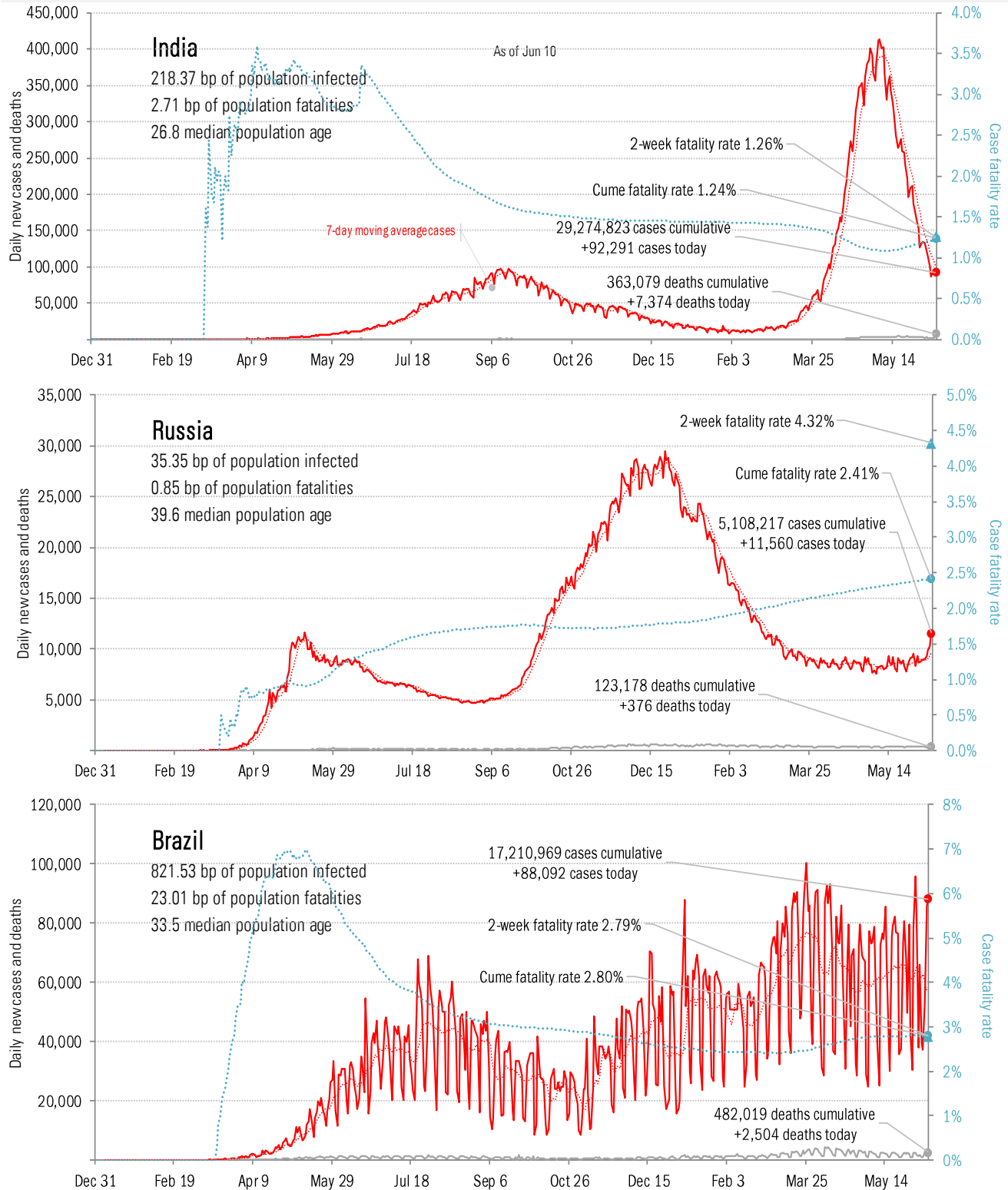
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



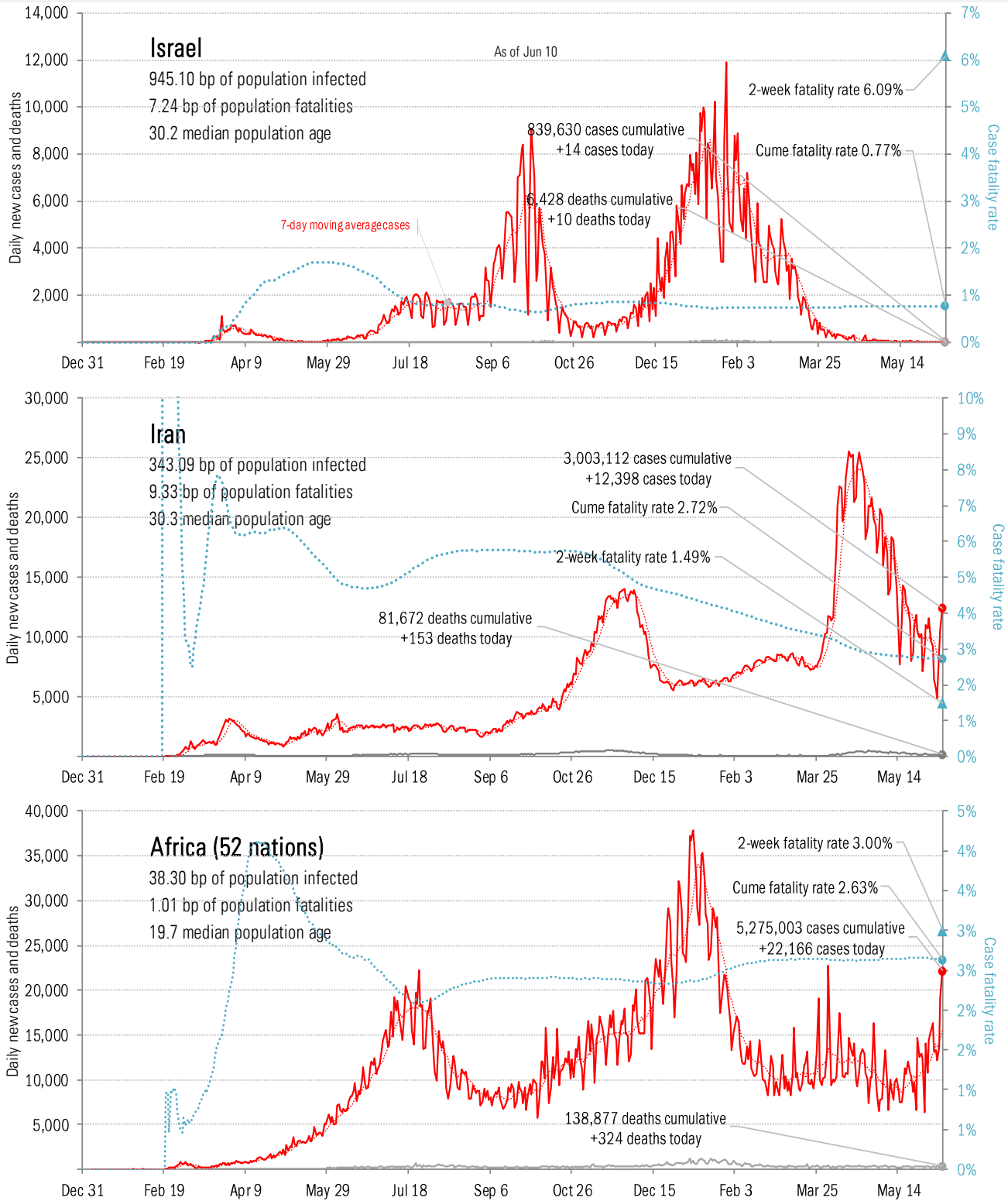
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



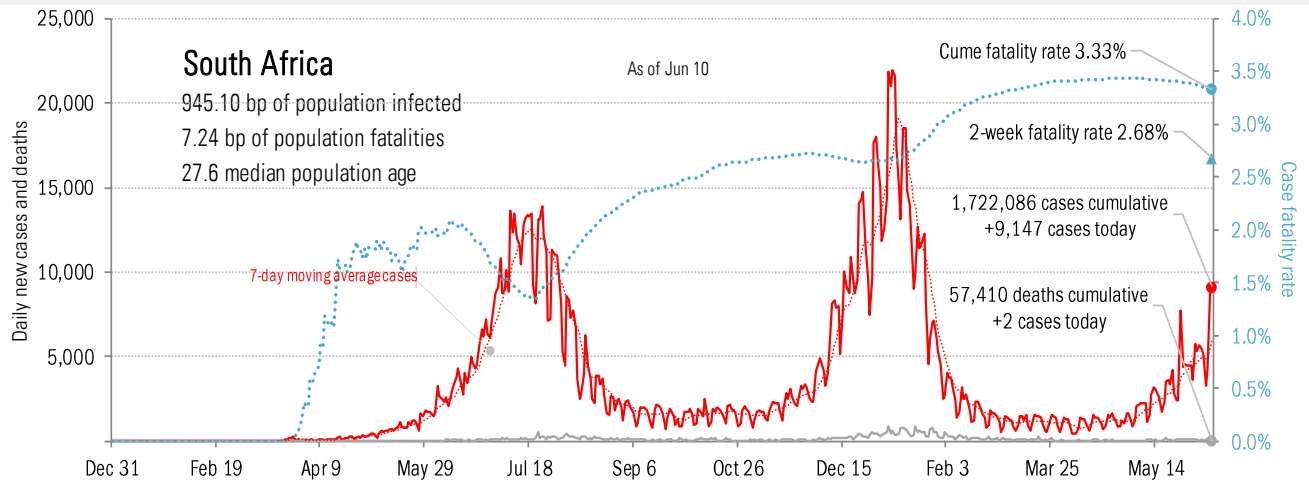
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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