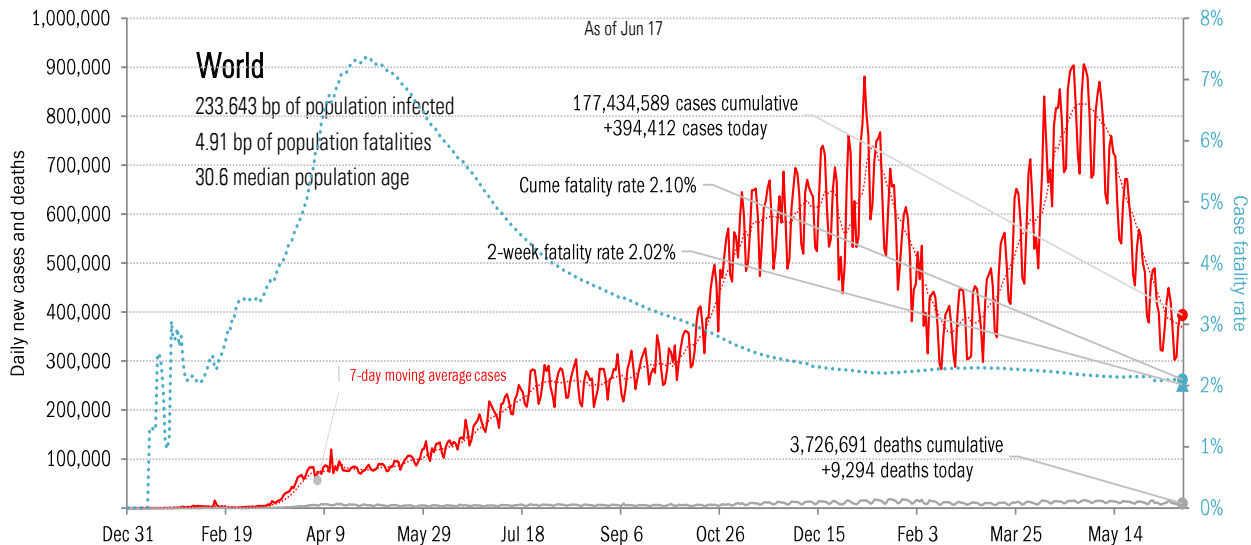
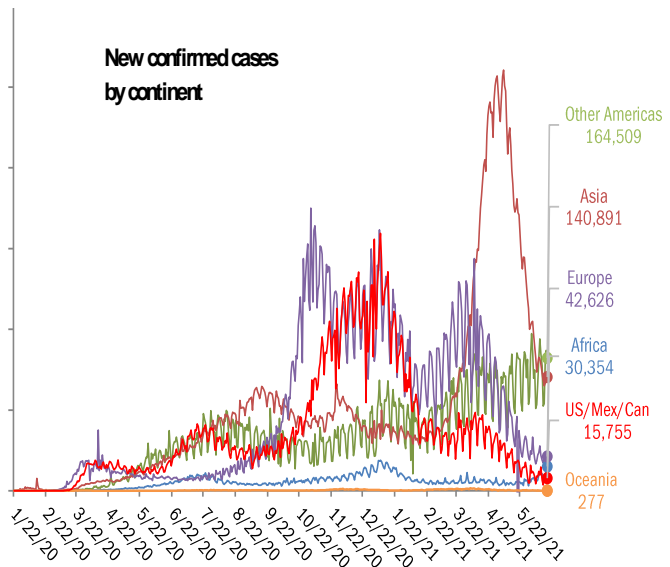


Data Insights: Covid-2019 Monitor

Friday, June 18, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
Brazil	+74,042	Brazil	+2,311
India	+62,480	India	+1,587
Colombia	+29,945	Colombia	+596
Argentina	+23,780	Argentina	+528
Russia	+13,857	Peru	+496
Indonesia	+12,624	Russia	+410
Peru	+12,239	United States	+281
South Africa	+11,767	Indonesia	+277
United Kingdom	+10,823	Chile	+218
United States	+10,399	Mexico	+168
+261,956		+6,872	
World +394,412		World +9,294	
Top ten 66%		Top ten 74%	



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

For more information contact us:

Donald Luskin: 312 273 6766 don@trendmacro.com
 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

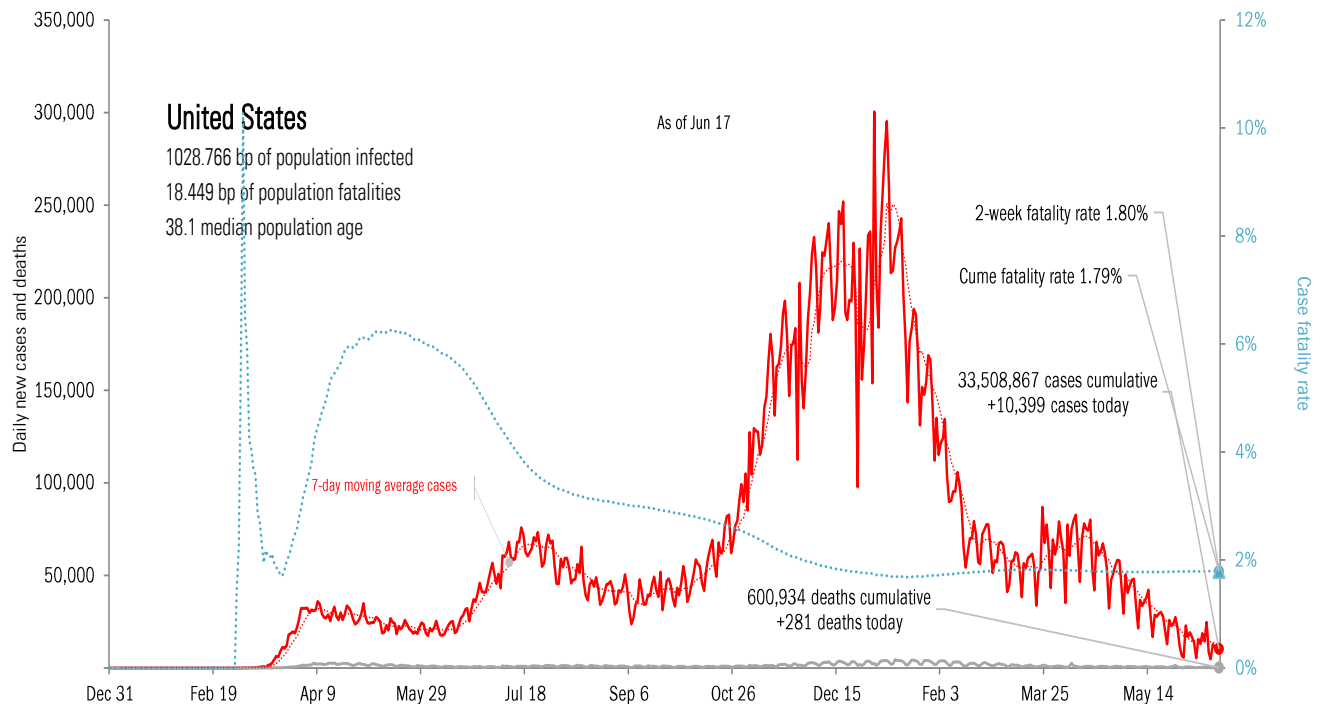
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	+1,636		FL	+40		GA	+95		CA	3,806,154		CA	63,256		TX	250,936		R	90%	MO	12%
CA	+1,056		TX	+33		MO	+21		TX	2,982,619		NY	53,589		CA	238,084		MA	85%	CO	12%
TX	+793		GA	+30		MS	+18		FL	2,344,750		TX	52,040		FL	183,316		PA	82%	WA	11%
MO	+761		CA	+29		CK	+16		NY	2,110,756		FL	37,225		NY	135,534		MO	82%	WY	11%
CO	+543		MI	+26		UT	+14		IL	1,388,515		PA	27,546		GA	108,115		MD	81%	ID	11%
NY	+446		IL	+21		IA	+8		PA	1,214,395		NJ	26,364	#N/A	0	MI	80%	UT	9%		
WA	+438		AZ	+18		NM	+6		GA	1,130,083		IL	25,552		CH	177,797		GA	80%	MS	9%
GA	+408		PA	+15		NE	+5		CH	1,108,146		GA	21,258		IL	81,810		MIN	80%	AR	9%
UT	+369		NY	+13		ME	+4		NJ	1,020,564		MI	20,848		KY	76,650		CT	79%	ME	9%
NC	+362		WA	+9		FR	+4		NC	1,009,893		CH	20,122		MI	72,618		DC	79%	TX	8%
+6,812			+234			+191			18,115,875			347,800			1,324,860						
All states	+12,035		+321			+17			All states	33,508,867		600,934			2,358,961			All states	70%	67%	
Top ten	57%		73%			1124%			Top ten	54%		58%			56%			Median	72%	6%	

Some states not reporting

Five most improved US states

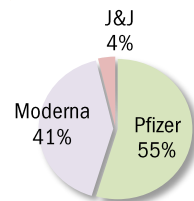
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-1,344	CK	-29	WA	-39	GA	+90 bp
KS	-317	GA	-27	CA	-38	MA	+80 bp
TN	-239	WI	-13	MD	-36	WA	+80 bp
AL	-160	NC	-12	AR	-18	AL	+70 bp
CH	-137	IN	-10	ND	-9	R	+70 bp



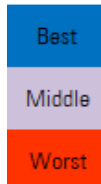
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US and the world

US overall	Total				Today	Immunity	Full	Partial
Doses distributed	390,795,045				+3.064 million	US	44.2%	52.6%
Doses administered	324,344,743				+2.082 million	UK	45.2%	62.2%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	23.1%	46.1%
Total population	180,443,172	54%	151,805,375	45%	+1.317 million	Spain	29.2%	47.8%
Age 12 to 17	7,910,547	31%	5,185,405	21%	+0.310 million	Germany	29.4%	49.7%
Age 18 to 64	123,200,732	61%	102,998,320	51%	+0.871 million	Italy	24.8%	50.6%
Age 65 and over	49,235,864	90%	43,540,362	80%	+0.129 million	Australia	3.1%	21.3%



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 **75 days** by Aug 31, 2021
 70.1% of population >18 immunized
 14.1% previously tested positive
84.2% vs 60% adult herd immunity*

Global data differs from sources, timing

AK
60.4%
47.6%
41.4%

ME
72.1%
65.4%
59.3%

WI	VT	NH								
54.6%	77.2%	70.6%								
52.7%	72.7%	61.5%								
47.3%	63.3%	54.3%								
WA	ID	MT	ND	MN	IL	MI	NY	MA		
63.9%	49.0%	54.7%	48.9%	60.4%	60.4%	60.8%	63.7%	72.8%		
59.6%	38.9%	46.9%	43.2%	56.0%	57.8%	50.5%	58.5%	69.1%		
51.9%	34.9%	41.2%	37.9%	49.6%	43.7%	45.5%	51.4%	59.1%		
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT	RI
69.8%	51.6%	47.1%	57.0%	57.0%	52.2%	55.2%	64.5%	67.2%	68.8%	73.4%
57.4%	47.8%	38.3%	49.7%	50.6%	43.5%	47.4%	61.4%	63.3%	65.6%	63.3%
50.7%	39.8%	33.3%	44.3%	46.4%	38.5%	43.1%	47.8%	53.7%	58.2%	56.4%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE	
64.6%	52.3%	63.0%	56.0%	51.6%	52.2%	55.3%	62.9%	72.4%	68.2%	
59.5%	47.3%	56.6%	50.0%	43.7%	48.4%	42.3%	57.7%	60.2%	56.8%	
47.5%	35.9%	49.4%	45.0%	37.0%	41.6%	35.9%	49.3%	53.2%	47.0%	
AZ	NM	KS	AR	TN	NC	SC	DC			
57.7%	58.9%	55.2%	49.4%	55.6%	58.2%	53.6%	78.4%			
48.3%	60.1%	48.2%	40.9%	40.6%	44.4%	42.6%	59.5%			
38.6%	51.4%	40.6%	32.9%	34.1%	38.2%	36.5%	49.9%			
OK	LA	MS	AL	GA						
53.1%	45.5%	46.9%	51.1%	54.6%						
43.7%	37.2%	35.4%	38.7%	41.9%						
36.6%	33.4%	28.7%	31.5%	34.8%						
HI	TX	FL	PR							
70.8%	57.1%	60.6%	67.9%							
68.7%	46.9%	52.0%	54.8%							
50.3%	39.1%	43.3%	42.0%							

As of Jun 17

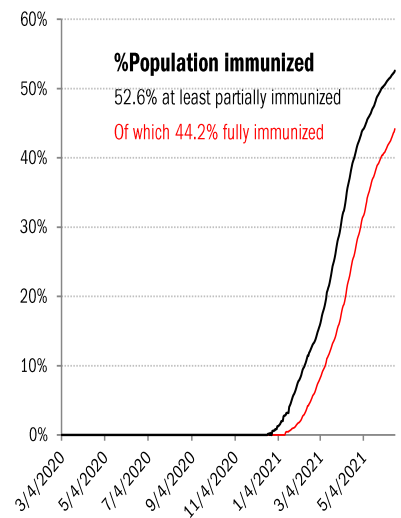
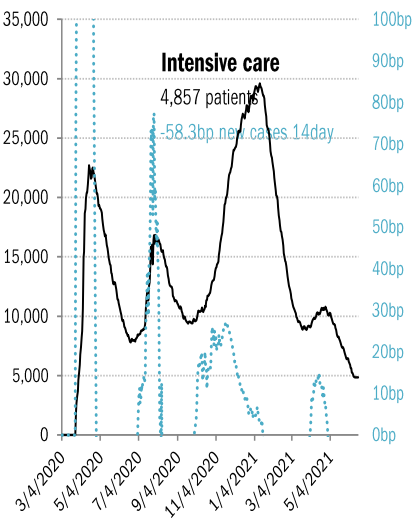
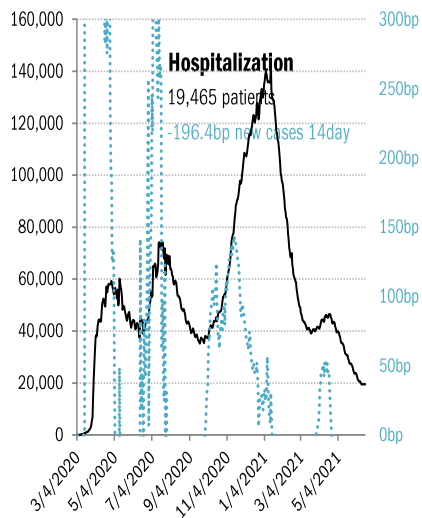
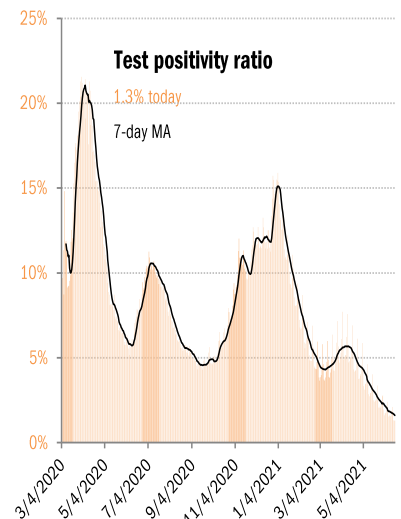
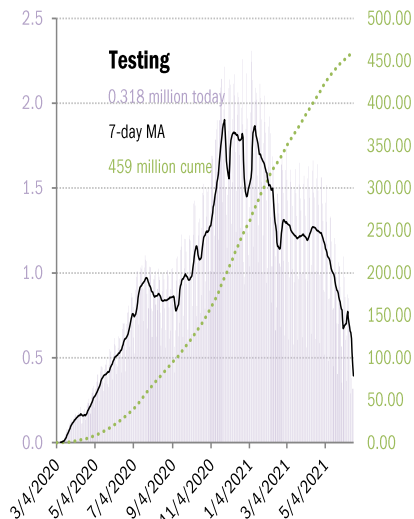
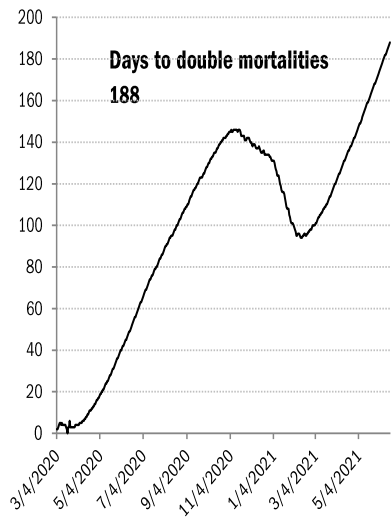
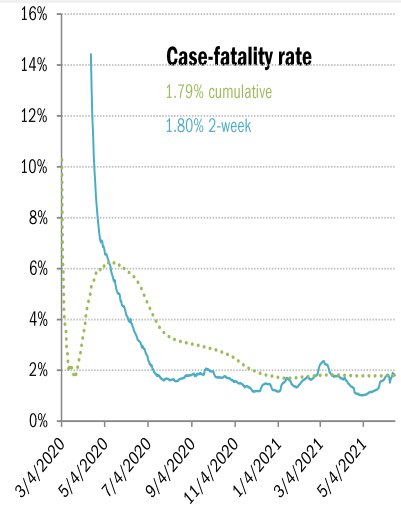
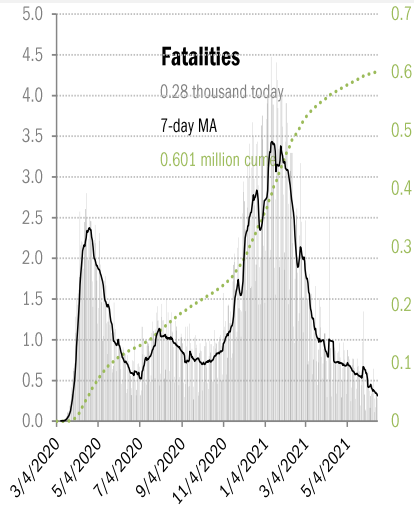
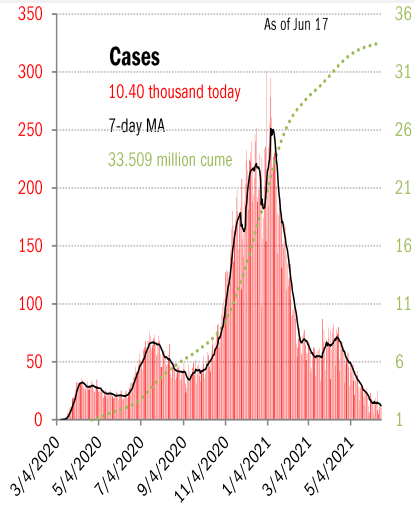
* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

** 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

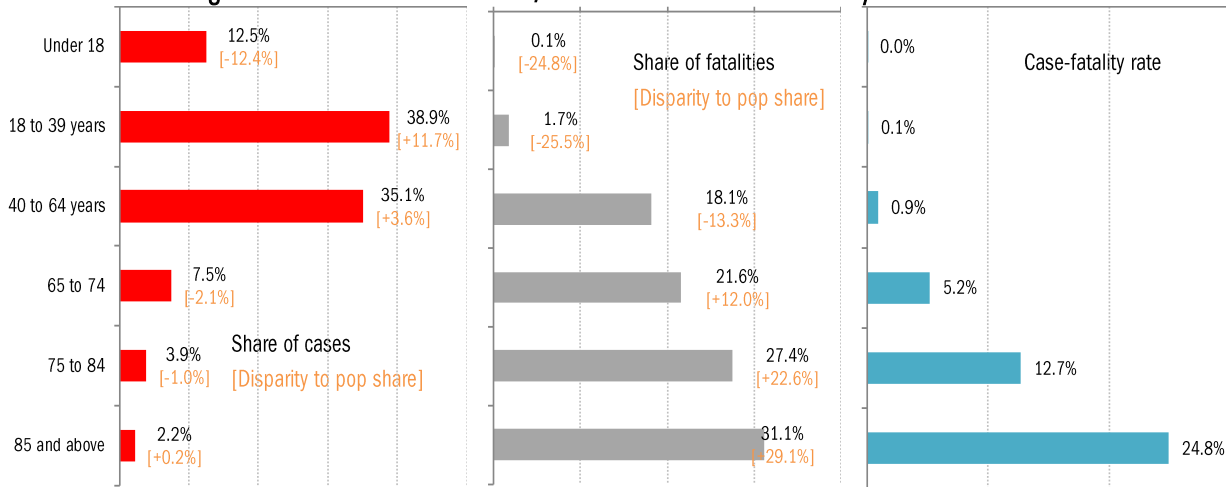
US deep-dive

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

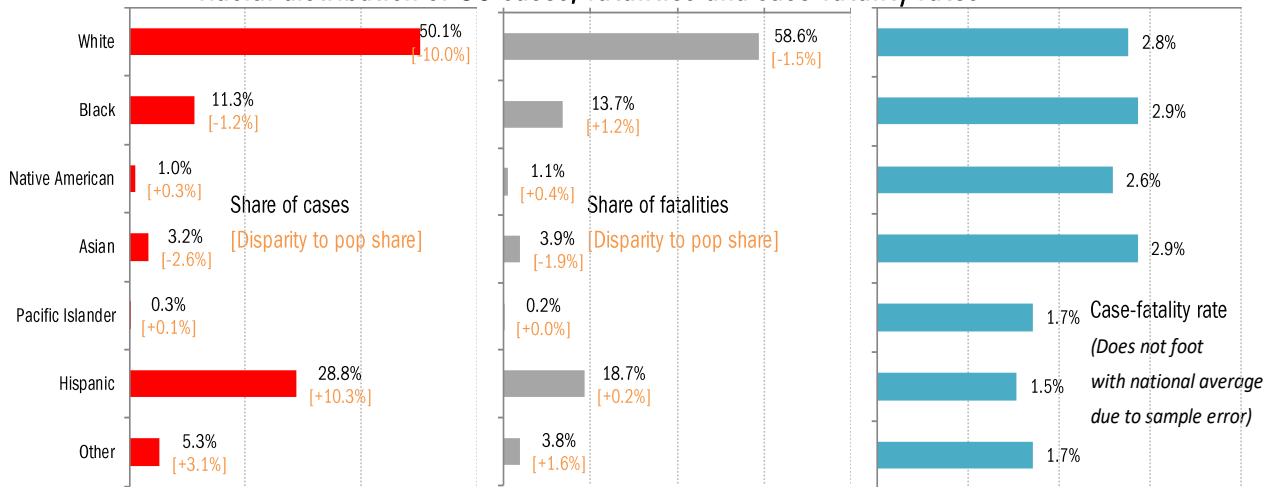


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

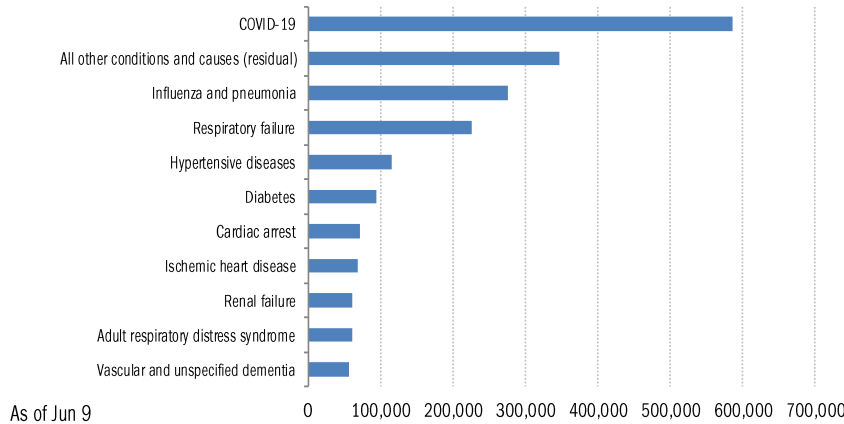


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



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

[The ill-advised push to vaccinate the young](#)

Martin Kulldorff and Jay Bhattacharya

The Hill

June 17, 2021

[‘Risk Of Being Bitten By Bats Still Exists’: Wuhan Lab ERASED Reports Of Bats Biting Researchers.](#)

Natalie Winters

National Pulse

June 16, 2021

[Will Covid Rules Ever End?](#)

James Freeman

Wall Street Journal

June 17, 2021

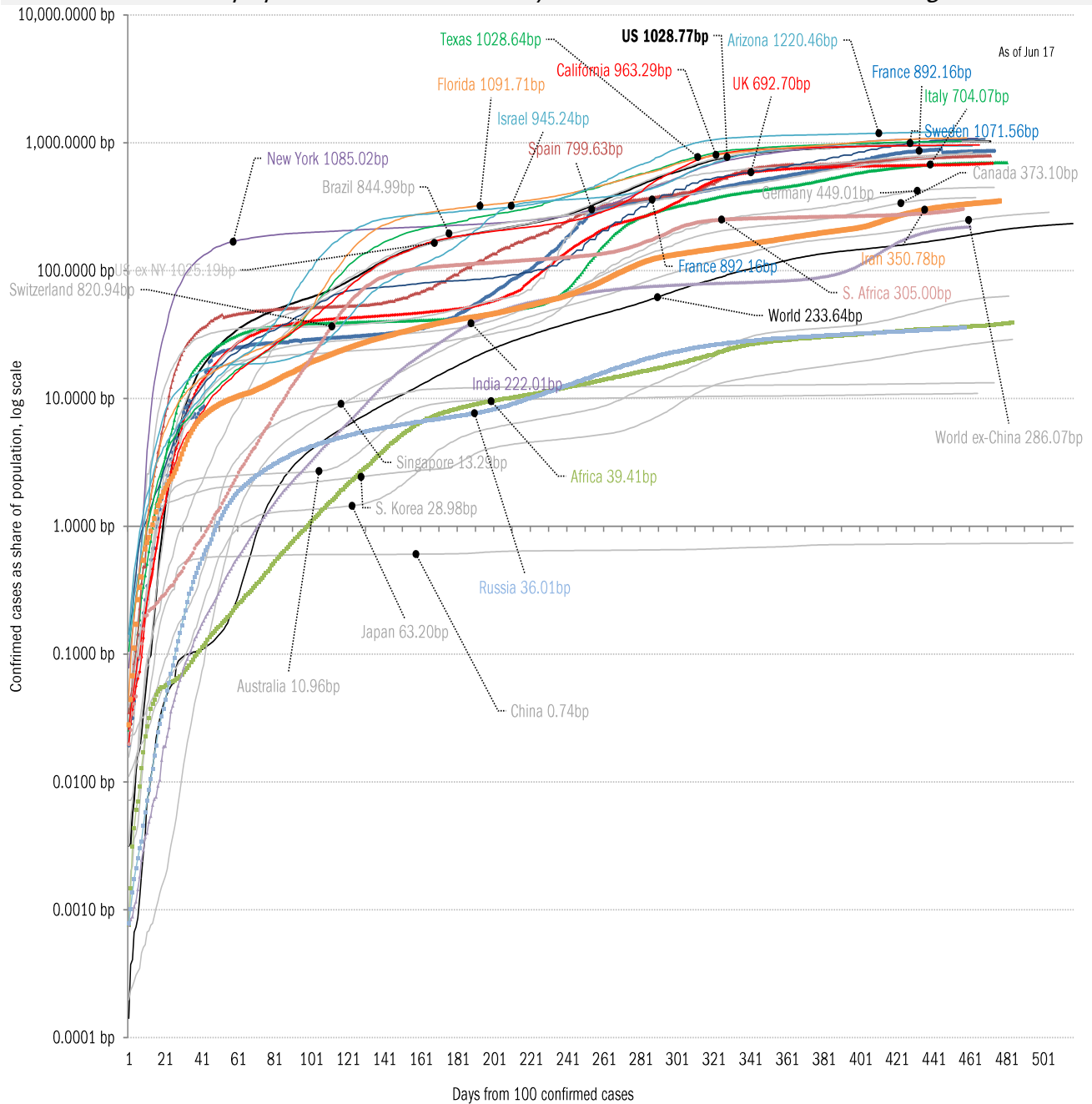
Meme of the day

Fast and Furious 15 be like:



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

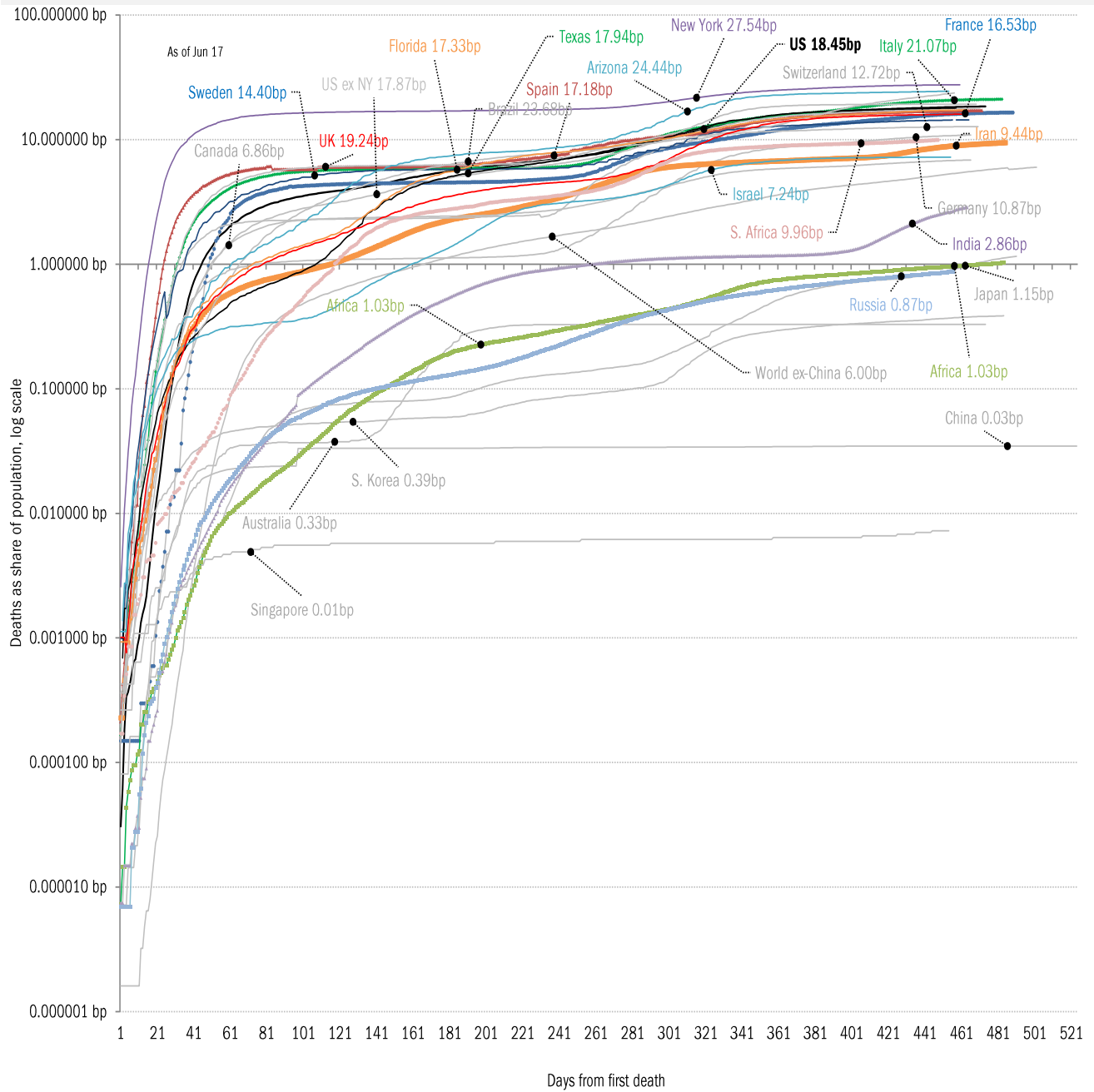
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

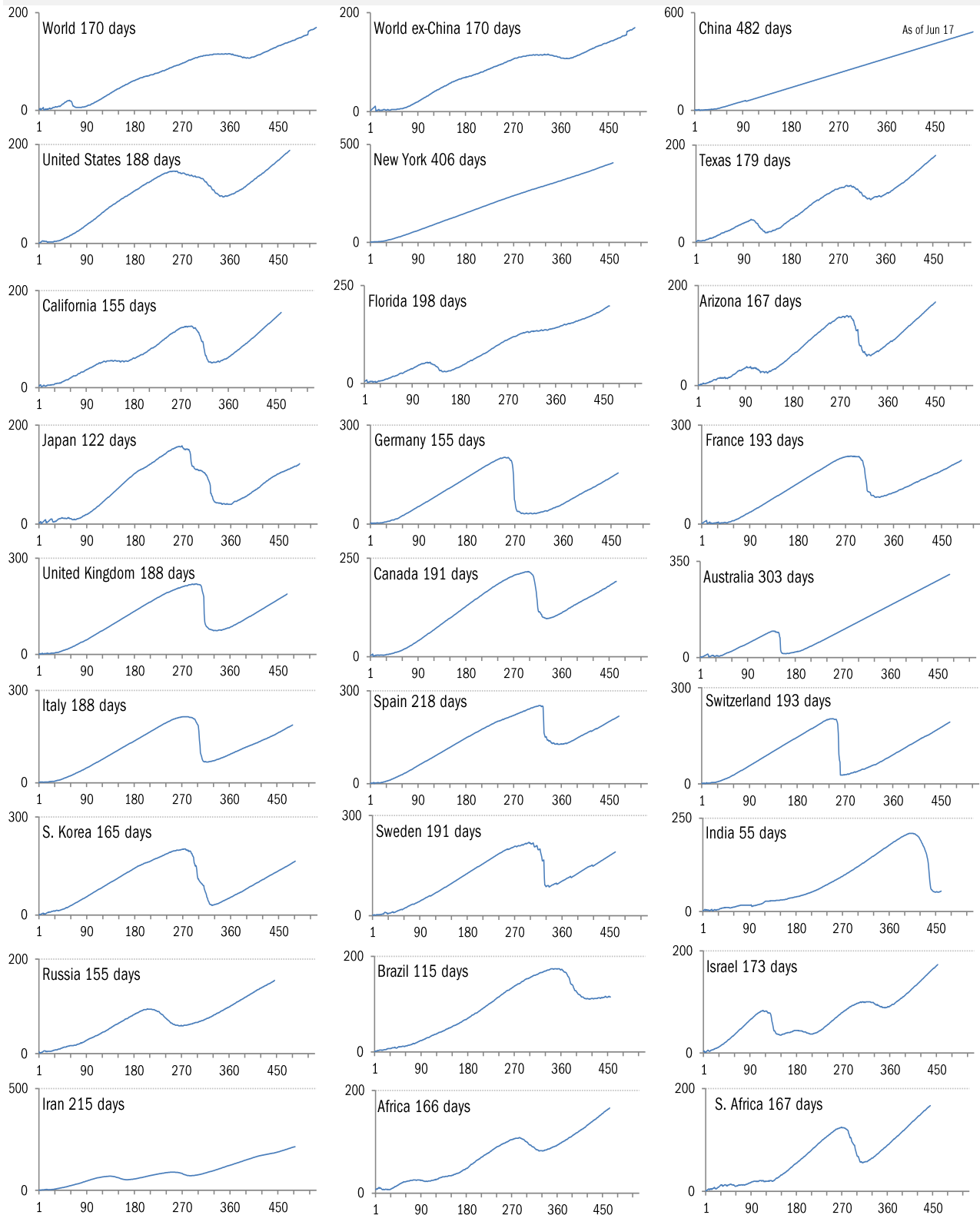


Source: [Johns Hopkins](#), TrendMacro calculations

"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

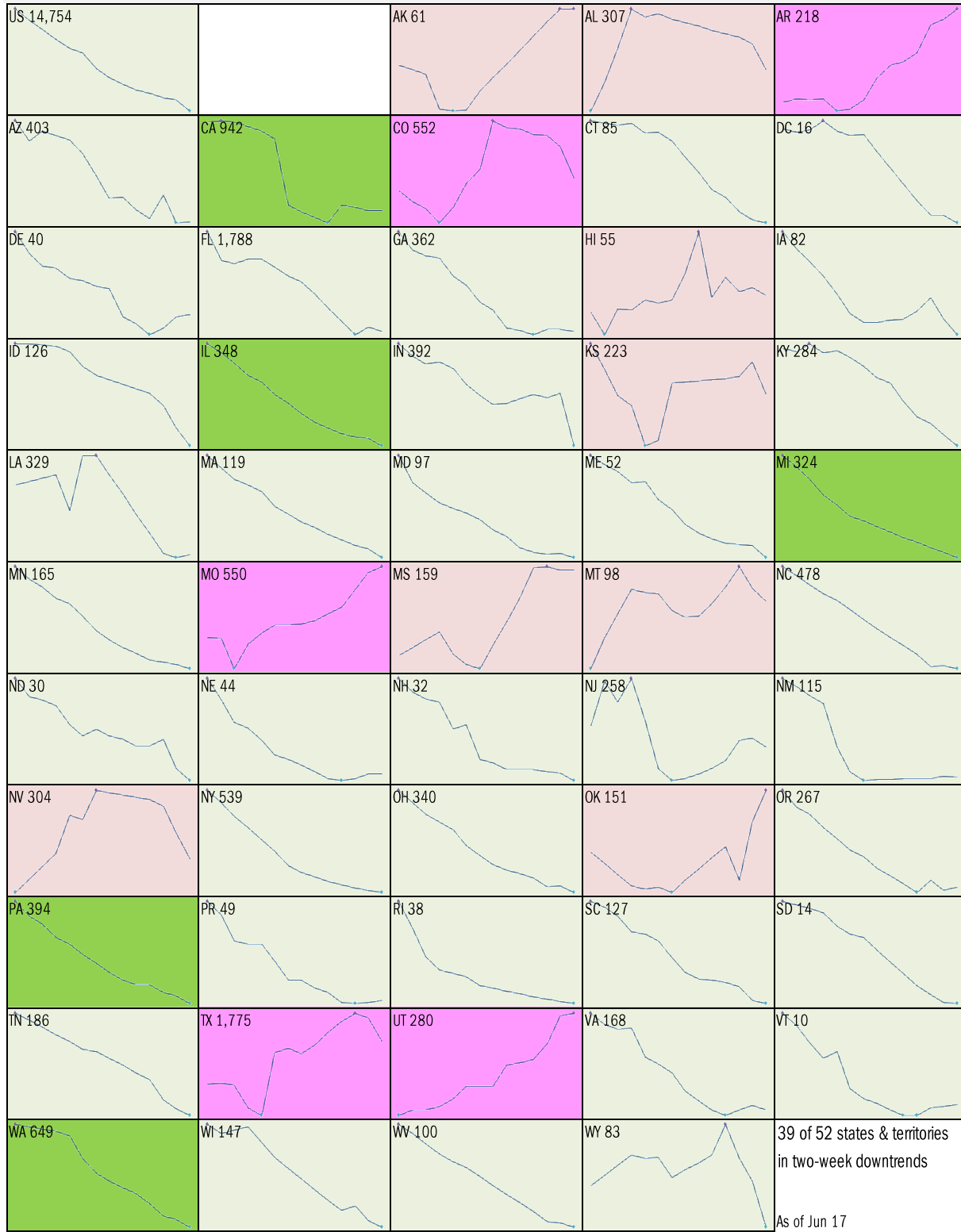


Source: [Johns Hopkins](#), TrendMacro calculations

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

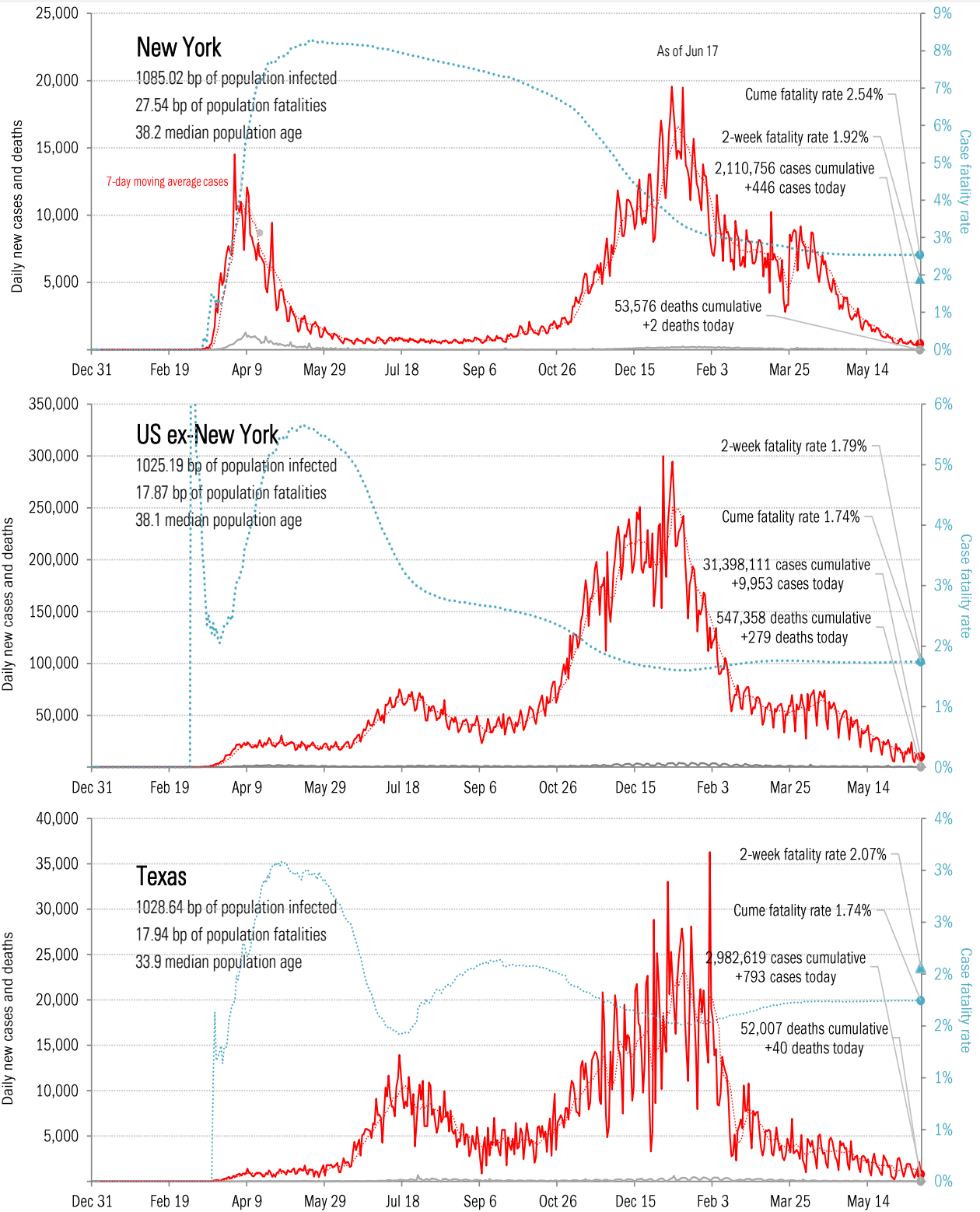
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



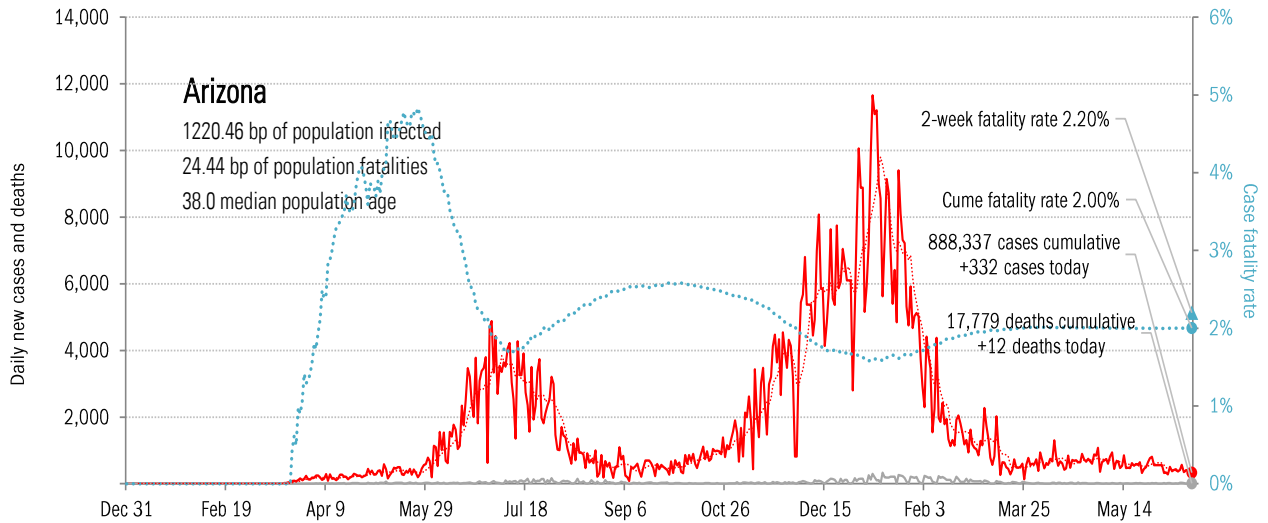
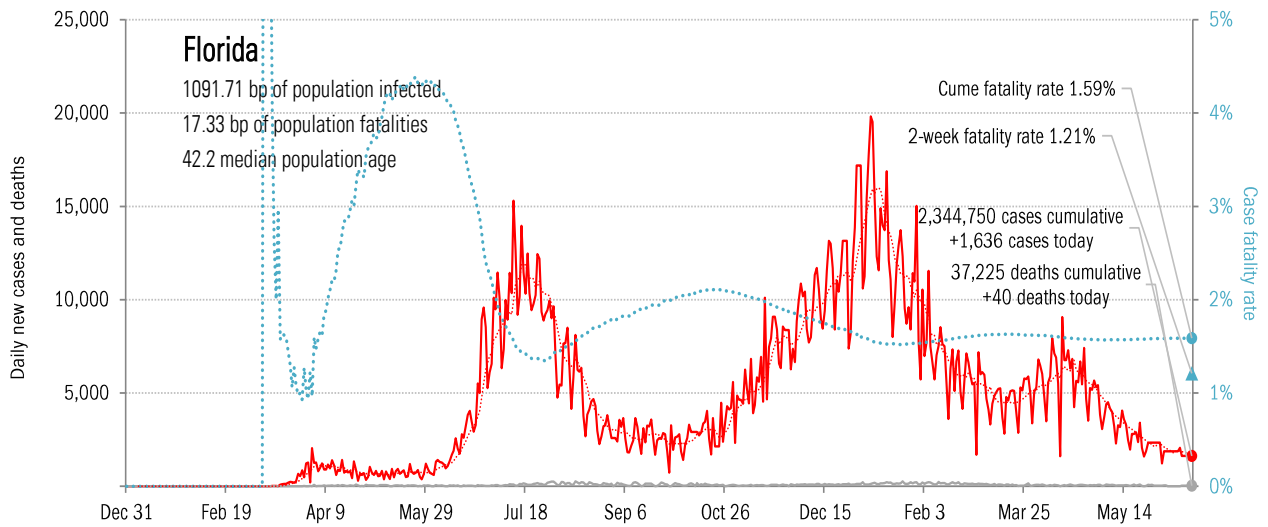
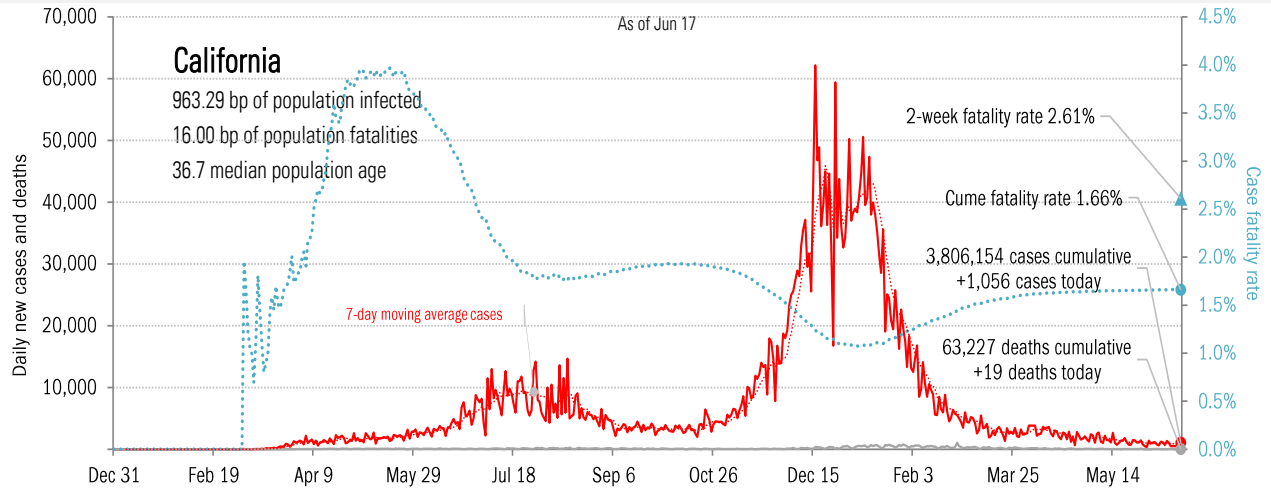
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



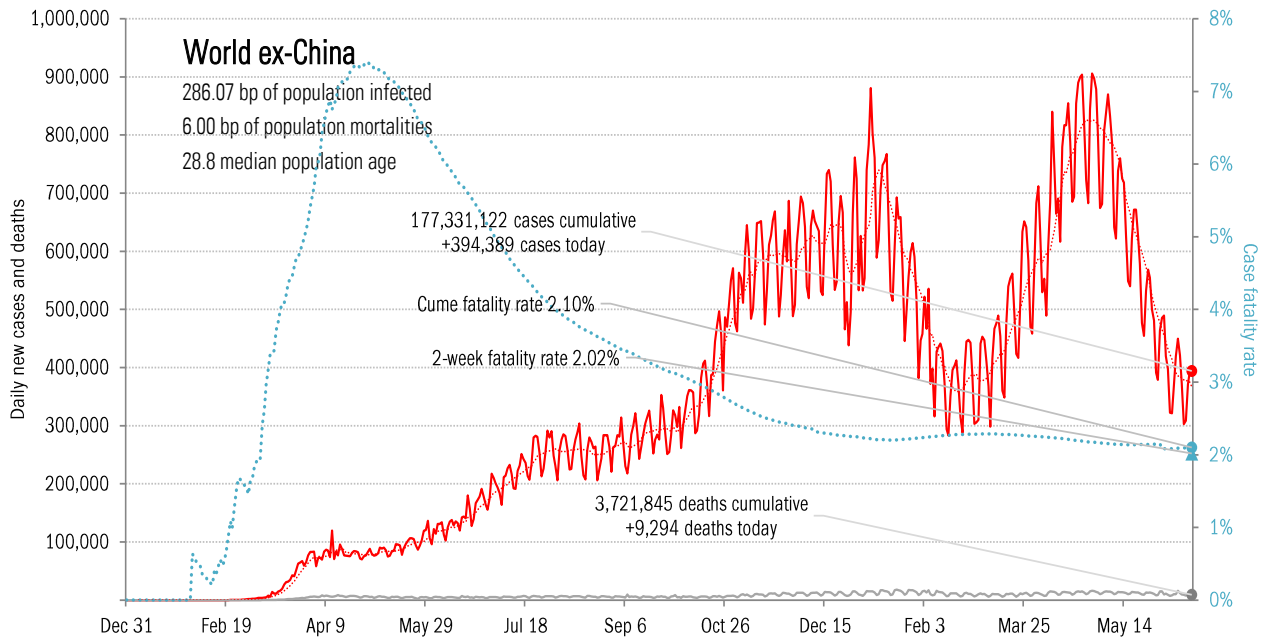
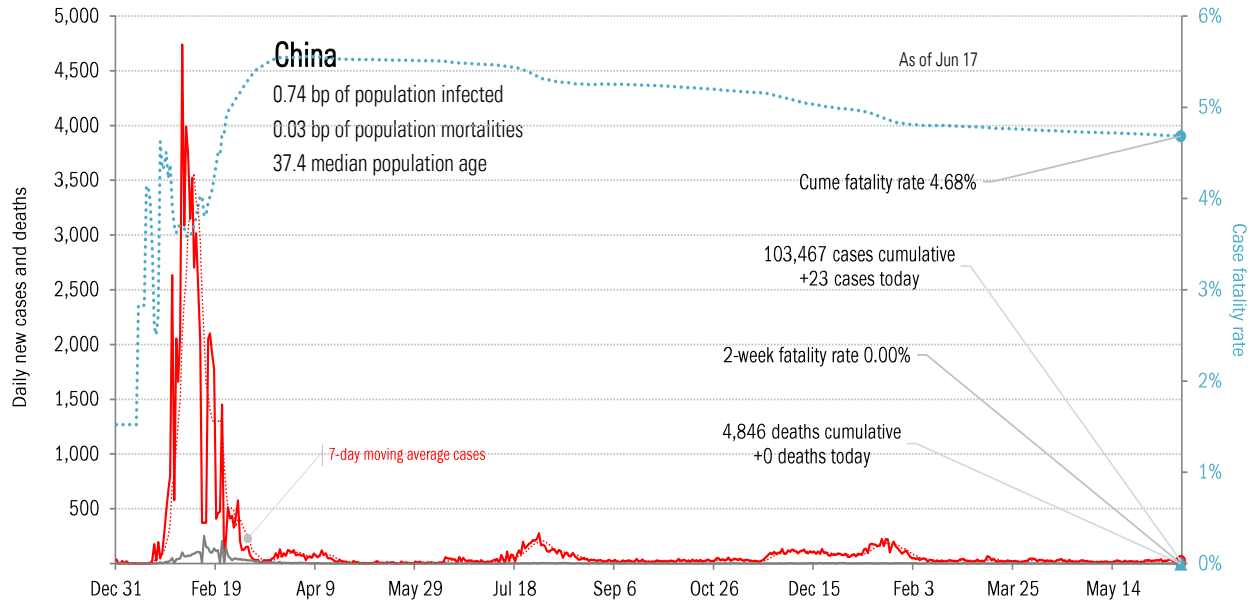
Source: [Johns Hopkins](#), TrendMacro calculations

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



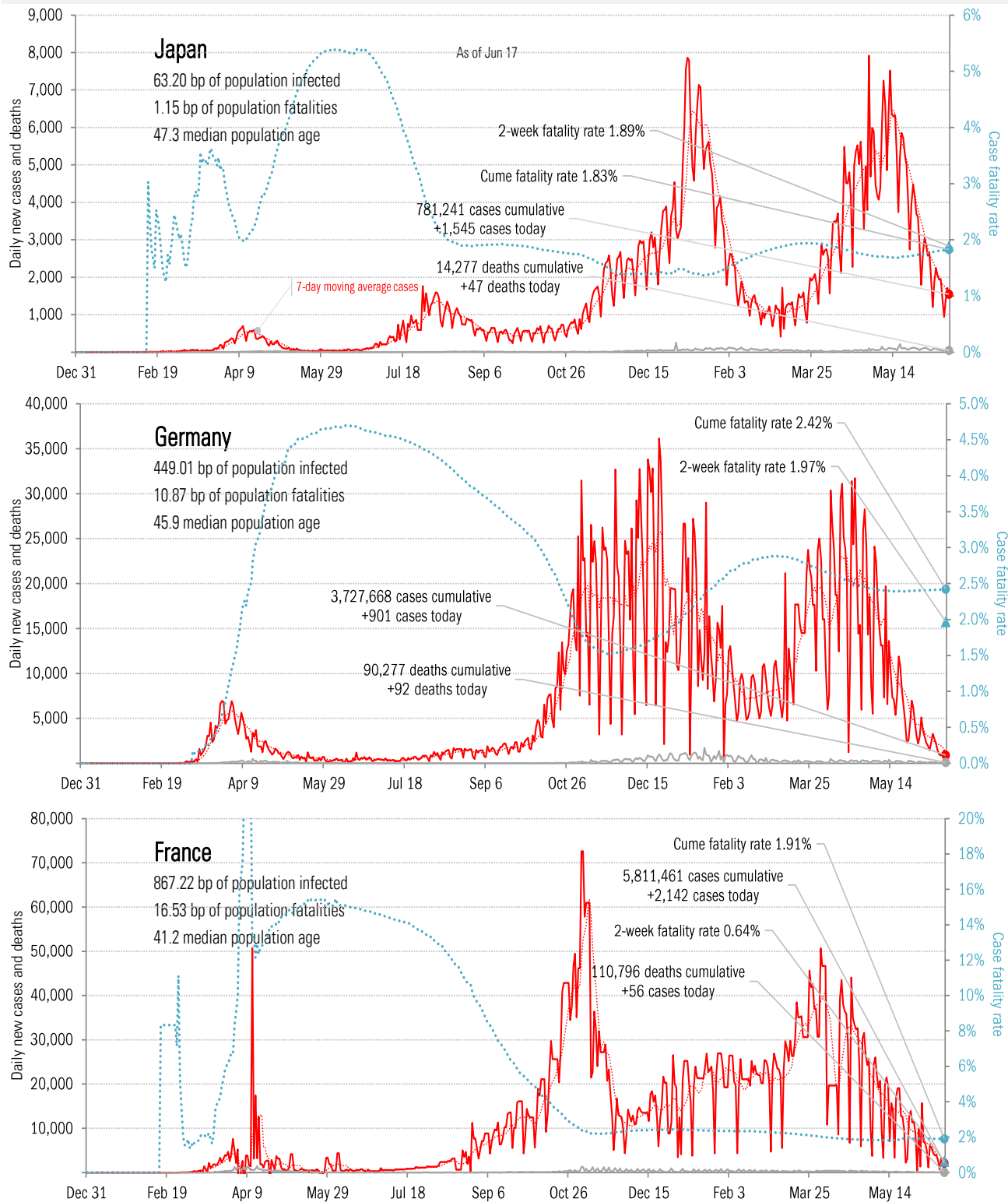
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



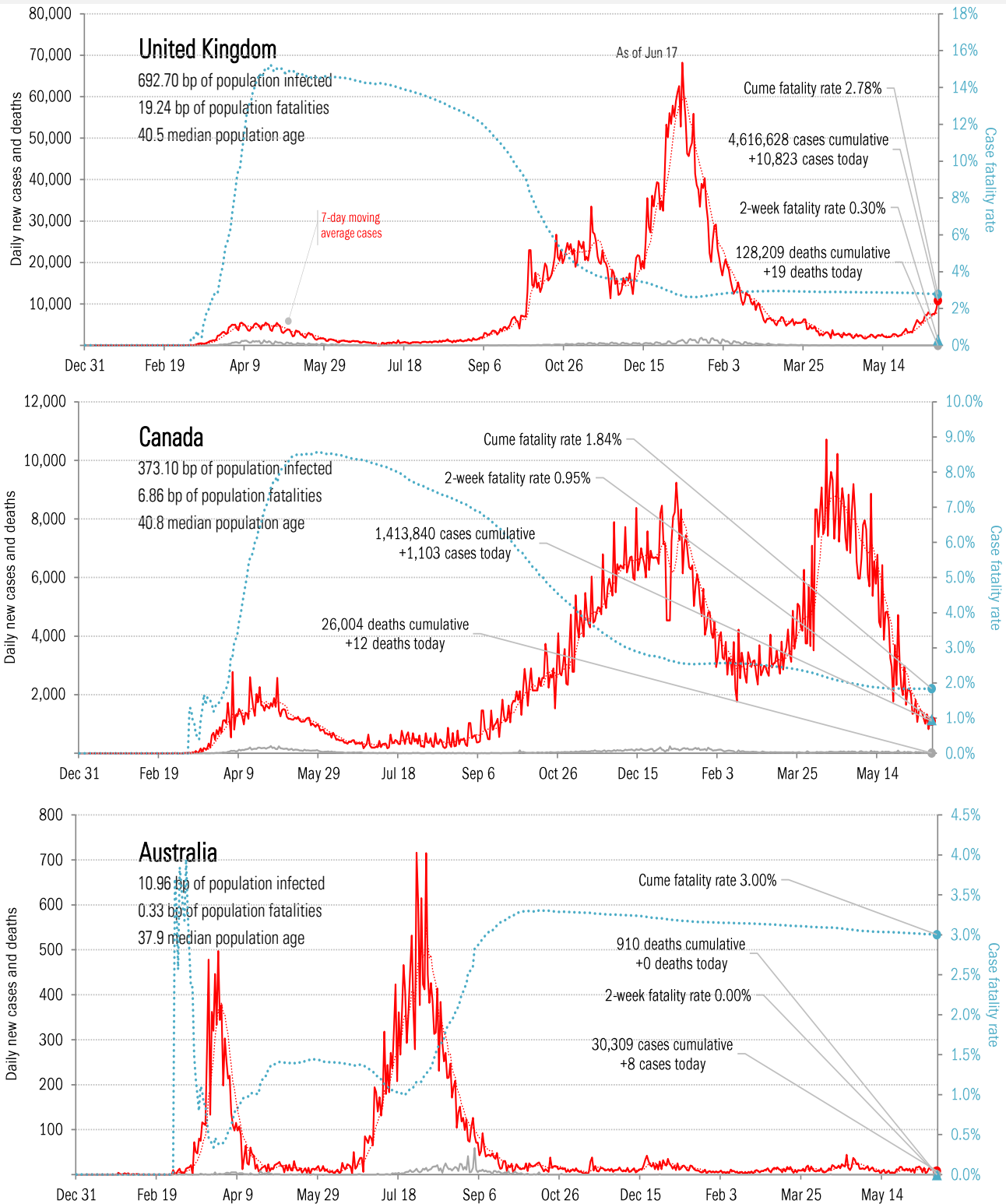
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



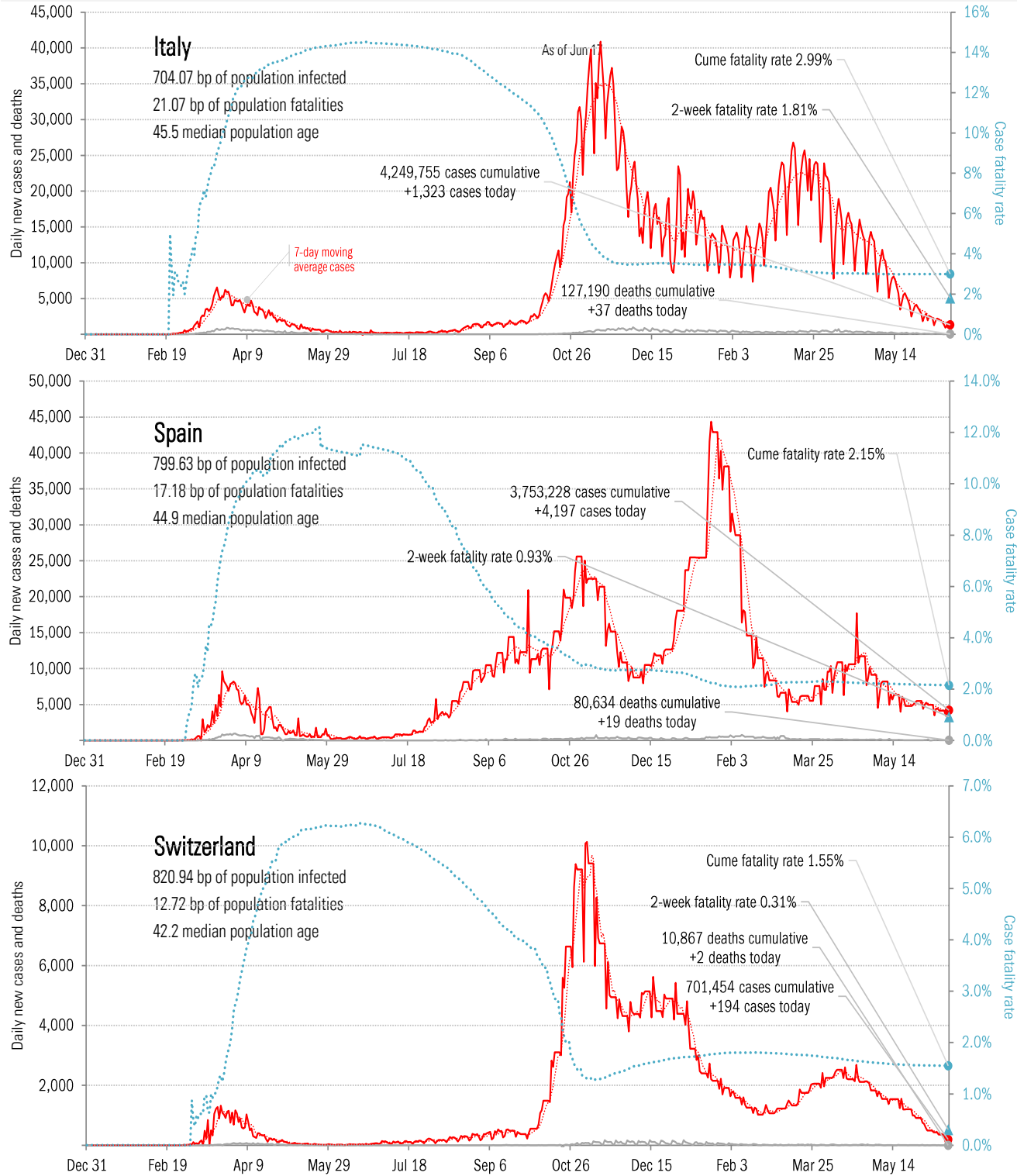
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



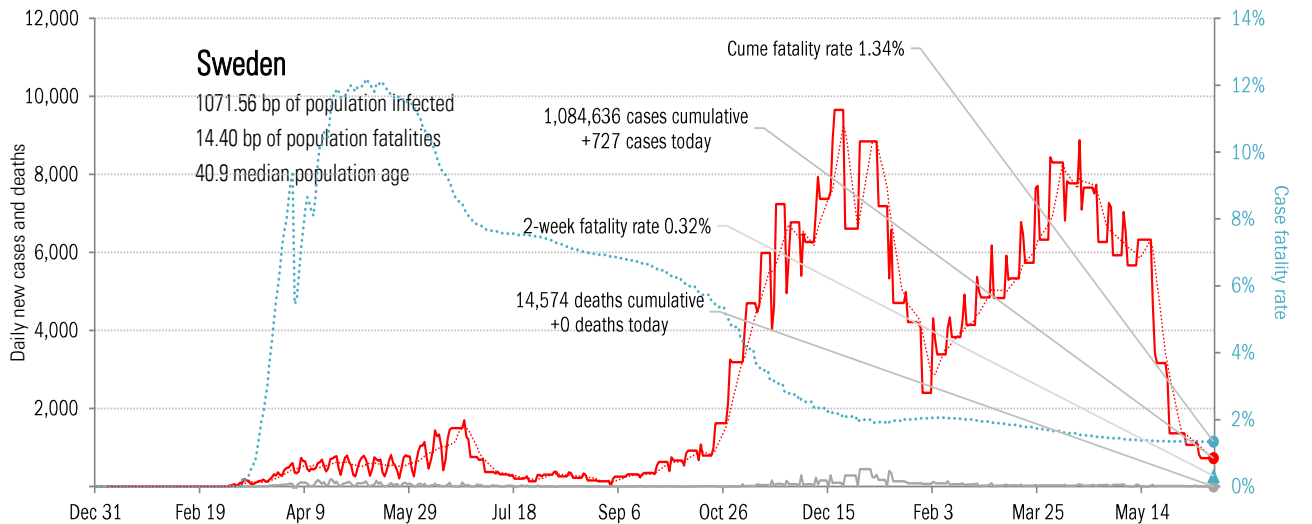
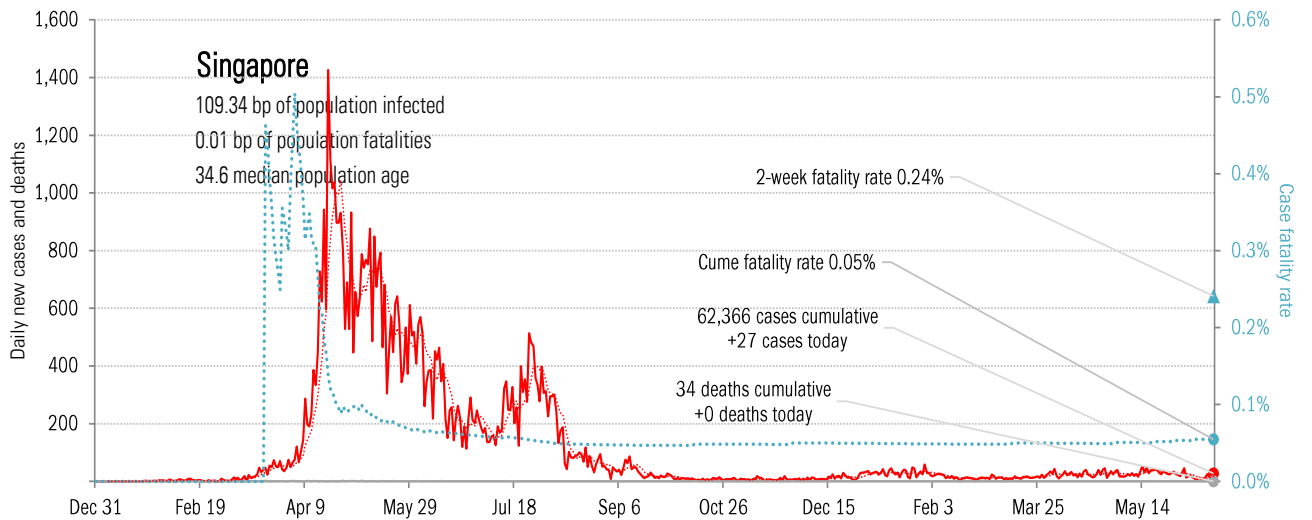
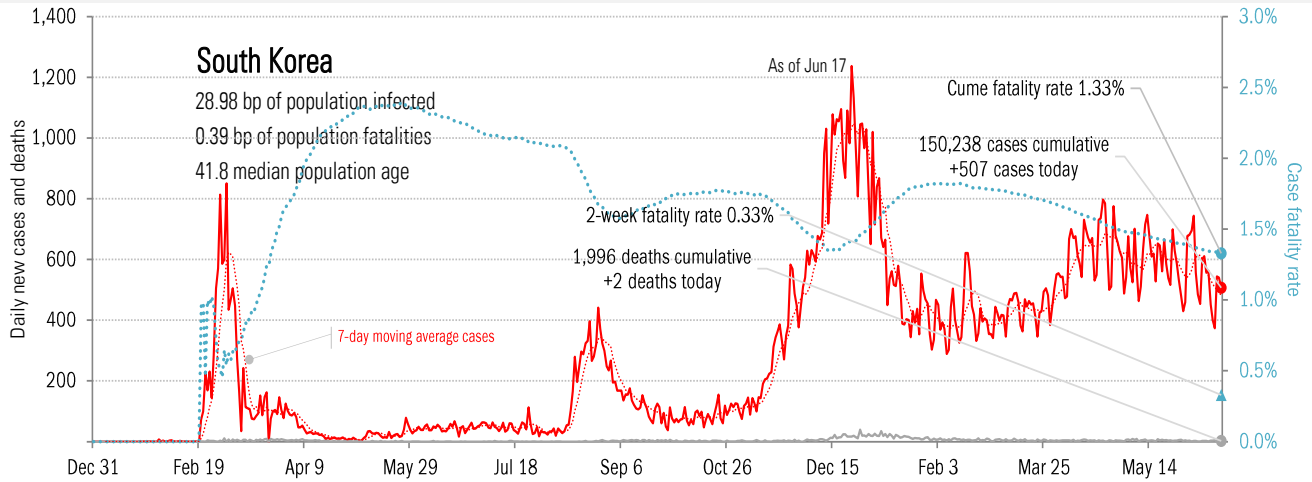
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



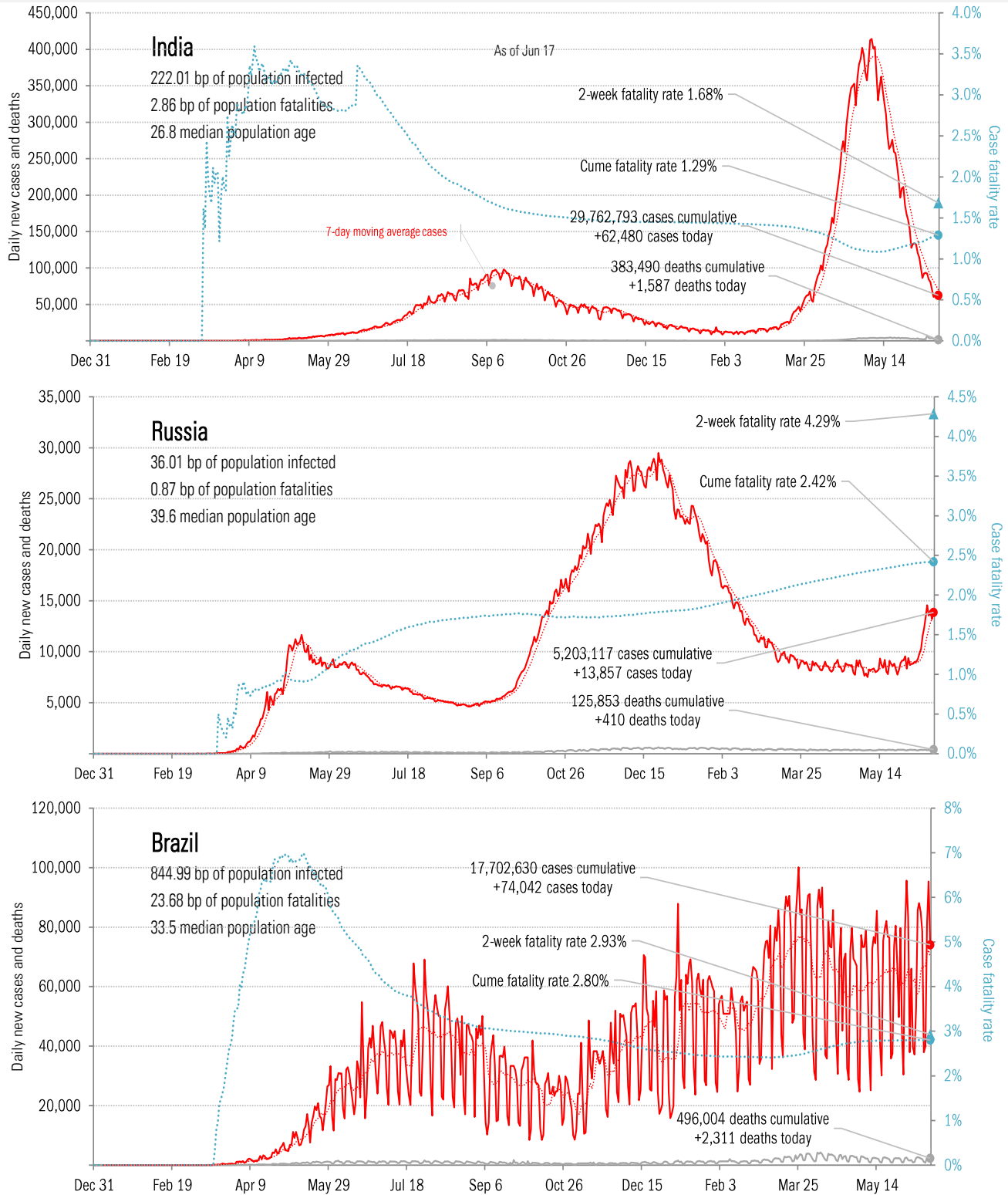
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



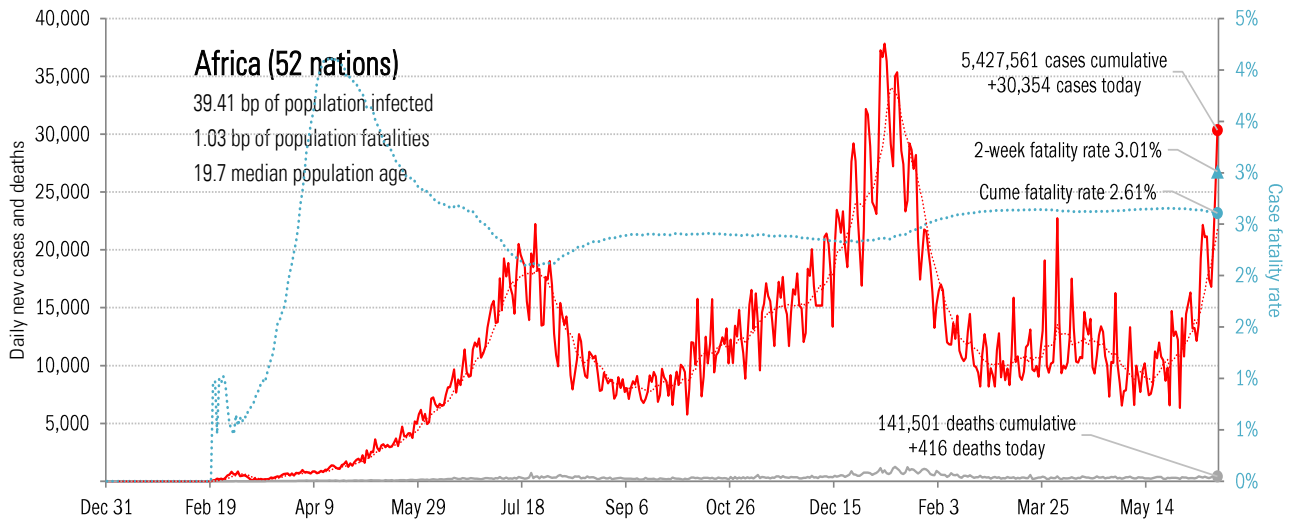
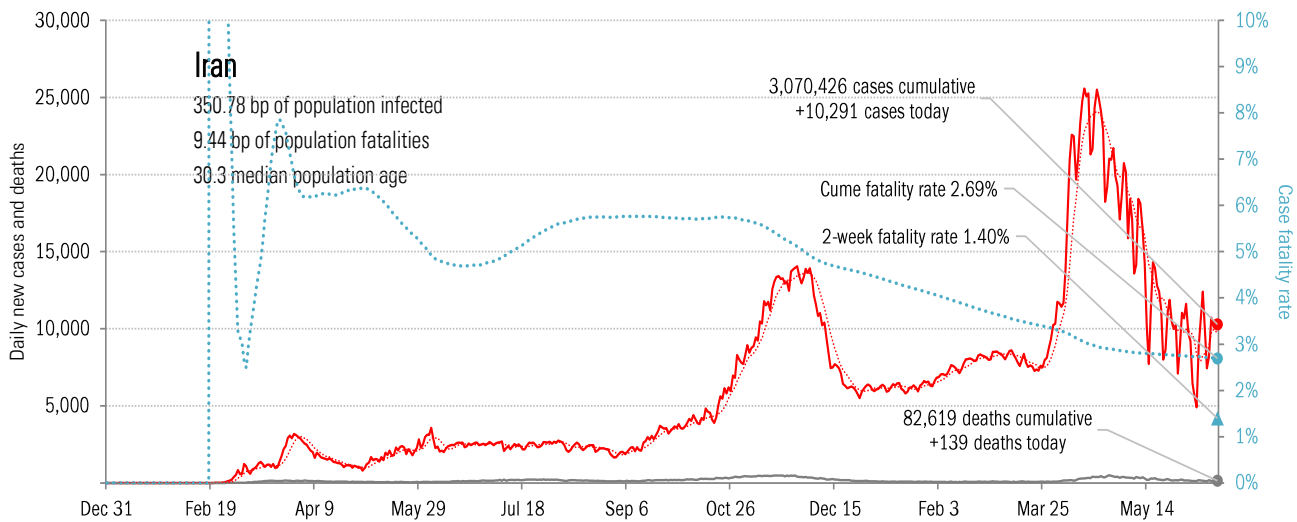
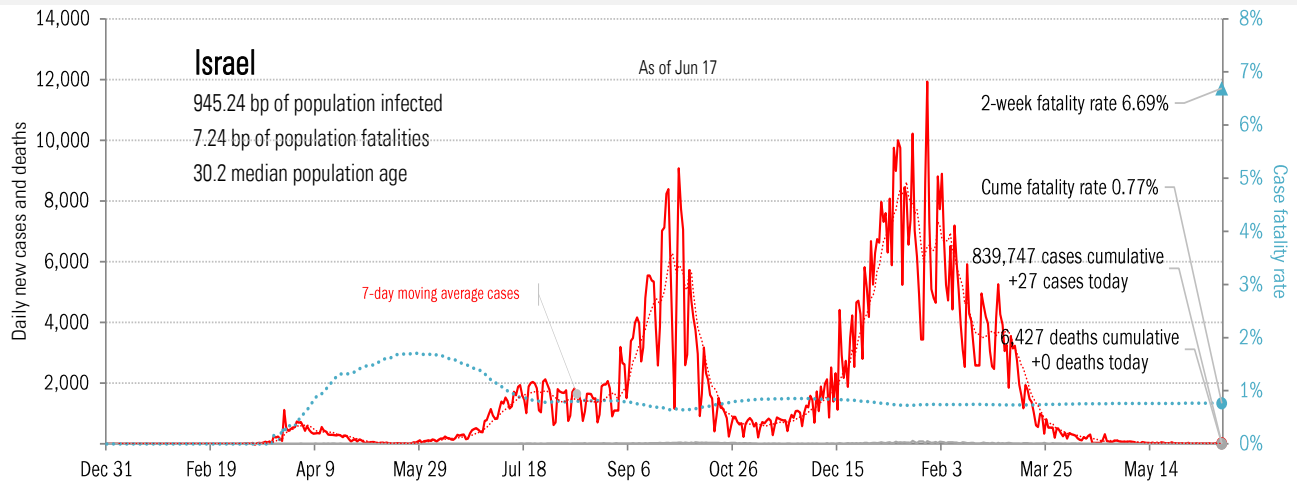
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



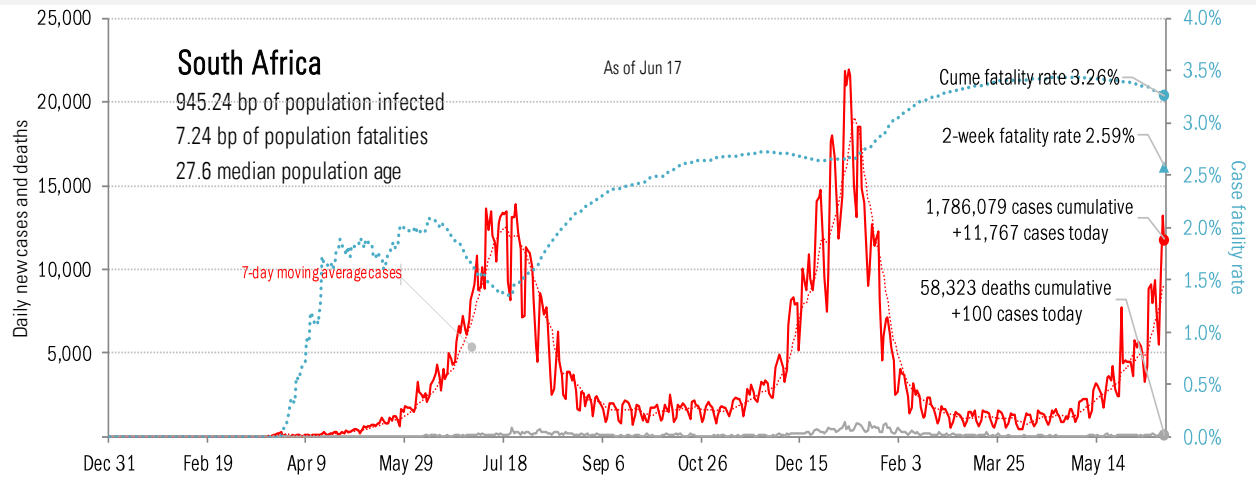
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations