

Data Insights: Covid-2019 Monitor

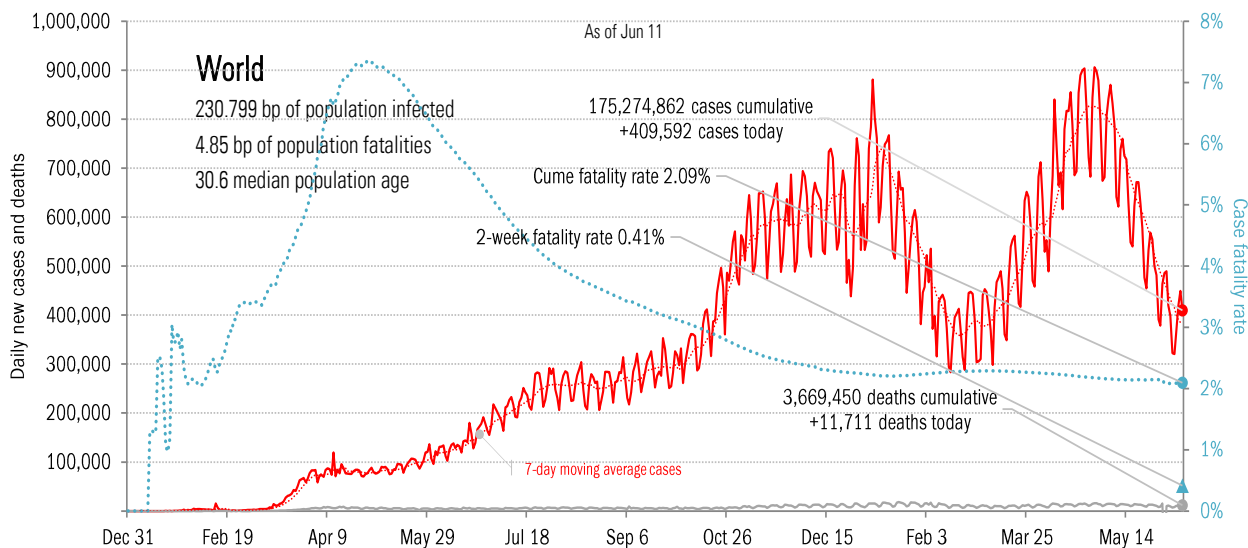
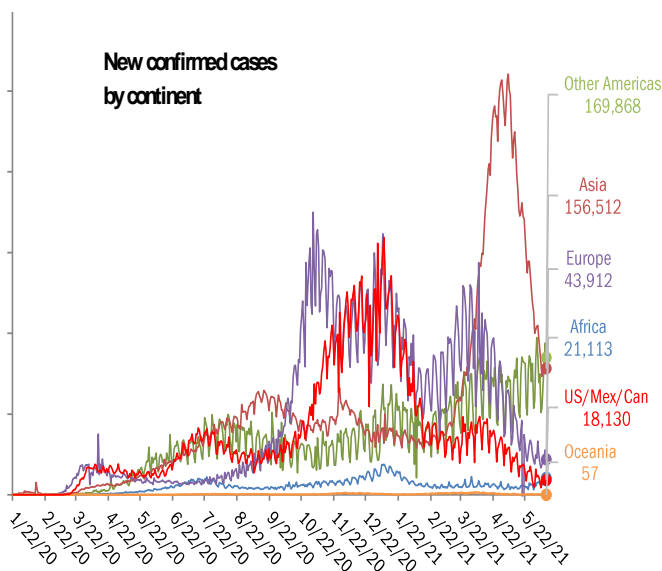
Saturday, June 12, 2021

The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+85,149	India	+4,002
India	+84,332	Brazil	+2,216
Colombia	+29,570	Argentina	+687
Argentina	+26,934	Colombia	+569
United States	+13,450	United States	+436
Russia	+12,361	Russia	+390
Iran	+9,966	Peru	+253
Indonesia	+8,083	Mexico	+243
South Africa	+8,020	Philippines	+195
United Kingdom	+7,960	Indonesia	+193
+285,825		+9,184	
World	+409,592	World	+11,711
Top ten	70%	Top ten	78%

New confirmed cases by continent



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

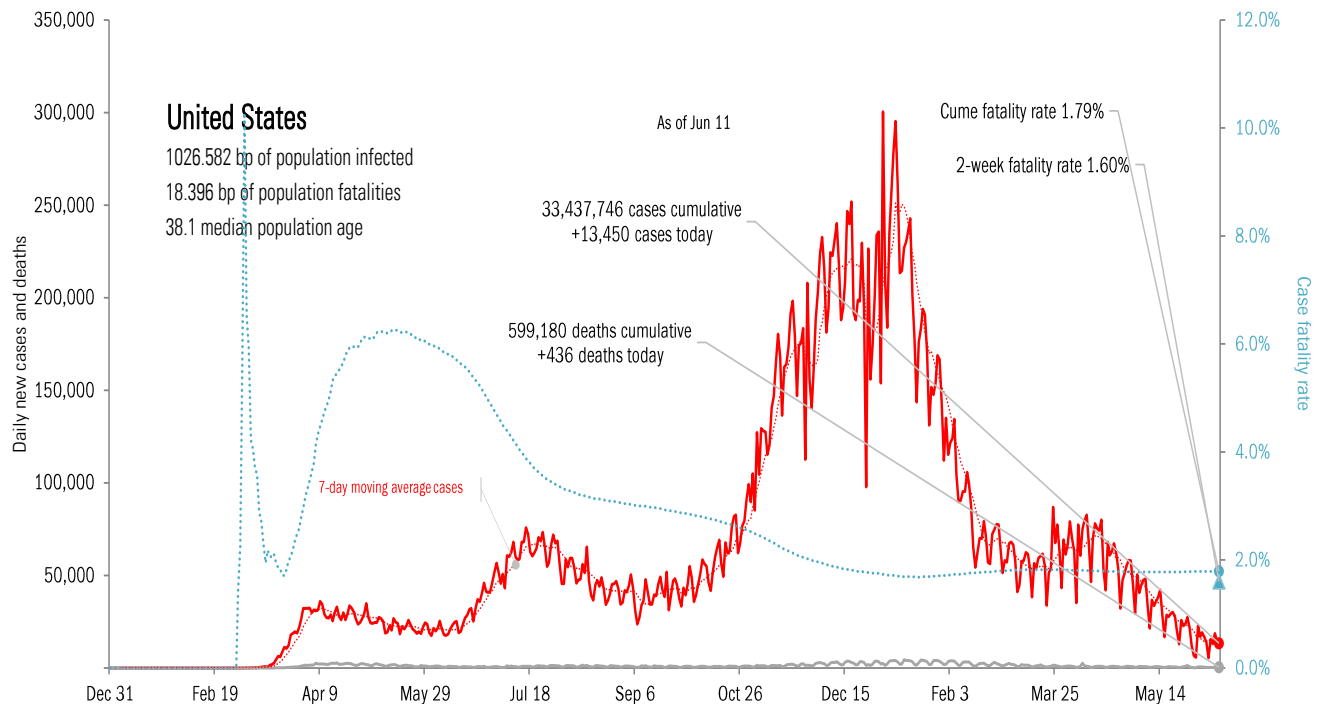
The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	+1,297		CH	+70		CA	+38		CA	3,801,229		CA	63,256		TX	249,561		R	92%	WA	13%
CA	+1,251		TX	+43		GA	+35		TX	2,976,183		NY	53,522		CA	237,075		MA	83%	CO	13%
CO	+930		CA	+40		TX	+21		FL	2,332,867		TX	51,889		FL	181,592		PA	82%	ID	13%
NY	+679		GA	+34		WA	+20		NY	2,108,510		FL	36,973		NY	134,958		MO	82%	MO	13%
MO	+645		IL	+22		MO	+12		IL	1,386,949		PA	27,457		GA	107,230		MI	80%	MI	11%
WA	+639		NC	+19		MS	+12		PA	1,212,529		NJ	26,324		PA	90,485		MD	80%	ME	10%
GA	+434		PA	+19		WI	+7		GA	1,128,092		IL	25,452		CH	86,374		MIN	79%	MS	10%
NC	+425		NY	+17		CT	+5		CH	1,106,411		GA	21,128		IL	81,317		WV	78%	OR	10%
AZ	+422		SC	+15		ND	+5		NJ	1,019,107		MI	20,720		KY	75,938		CT	78%	WV	10%
IL	+406		AL	+14		NV	+5		NC	1,007,698		CH	20,091		MI	72,198		DC	77%	UT	9%
+7,128			+293			+160			18,079,575			346,812			1,316,728						
All states	+13,450		+436			-146			All states	33,437,746		599,180			2,344,450			All states	70%	67%	
Top ten	53%		67%			-110%			Top ten	54%		58%			56%			Median	72%	7%	

Some states not reporting

Five most improved US states

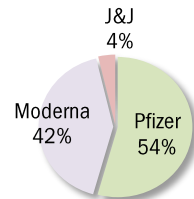
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-613	MI	-37	FL	-70	NJ	+43 bp
PA	-294	AZ	-29	CH	-30	NY	+38 bp
LA	-245	GA	-11	AL	-23	RI	+36 bp
TN	-222	OR	-10	VA	-22	OR	+36 bp
VA	-110	CA	-9	CO	-17	CO	+34 bp



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	385,953,535				+0.584 million	US	42.5%	51.7%
Doses administered	315,780,461				+0.824 million	UK	43.0%	60.5%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	20.4%	44.2%
Total population	177,301,187	53%	146,086,316	44%	+0.513 million	Spain	26.2%	44.8%
Age 12 to 17	7,269,428	29%	3,781,821	15%	+0.144 million	Germany	24.6%	47.2%
Age 18 to 64	120,939,543	59%	99,233,956	49%	+0.315 million	Italy	22.9%	47.2%
Age 65 and over	48,964,720	90%	43,026,524	79%	+0.049 million	Australia	2.6%	19.5%
						Israel	59.4%	63.3%
						Canada	10.7%	64.1%
						Japan	4.3%	12.6%
						Africa	0.8%	2.2%
						India	3.4%	14.3%
						Brazil	11.1%	25.0%



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 **201 days** by Dec 29, 2021

68.0% of population >18 immunized
14.1% previously tested positive
82.1% vs 60% adult herd immunity*

Global data differs from sources, timing

AK
60.0%
47.1%
40.6%

ME
71.4%
64.7%
57.2%

WA 63.3% 58.4% 49.6%	ID 48.6% 38.3% 33.7%	MT 54.5% 46.4% 40.2%	ND 48.4% 42.8% 37.3%	MN 60.0% 55.4% 47.9%	IL 60.1% 56.6% 41.8%	MI 60.4% 49.8% 43.8%	NY 63.1% 57.4% 49.3%	MA 72.5% 68.2% 57.1%		
OR 68.8% 56.4% 48.3%	NV 51.1% 46.9% 38.4%	WY 46.9% 37.9% 32.6%	SD 56.8% 49.0% 43.5%	IA 56.8% 50.1% 45.3%	IN 51.8% 42.8% 36.9%	OH 54.8% 46.9% 41.7%	PA 64.0% 60.3% 46.1%	NJ 66.7% 62.2% 51.6%	CT 68.5% 64.7% 56.1%	RI 73.3% 62.4% 54.2%
CA 64.2% 58.5% 45.6%	UT 52.0% 46.2% 34.0%	CO 62.6% 55.8% 47.7%	NE 55.6% 49.4% 43.8%	MO 51.4% 43.1% 35.6%	KY 52.0% 47.5% 39.8%	WV 55.0% 41.8% 35.1%	VA 62.2% 56.9% 47.6%	MD 72.1% 58.9% 50.6%	DE 67.8% 56.1% 45.4%	
AZ 57.3% 47.5% 37.4%	NM 58.4% 58.9% 49.4%	KS 54.8% 47.7% 39.6%	AR 49.3% 40.4% 32.1%	TN 47.9% 39.9% 32.7%	NC 57.8% 44.1% 37.2%	SC 53.3% 41.9% 35.3%	DC 78.2% 58.3% 48.0%			
HI 70.0% 68.1% 49.1%	OK 52.9% 42.2% 34.5%	LA 45.2% 36.6% 32.2%	MS 46.8% 34.9% 28.1%	AL 50.4% 36.6% 30.0%	GA 54.1% 41.3% 33.8%	FL 60.2% 50.8% 41.0%	PR 64.1% 53.3% 39.8%			

As of Jun 11

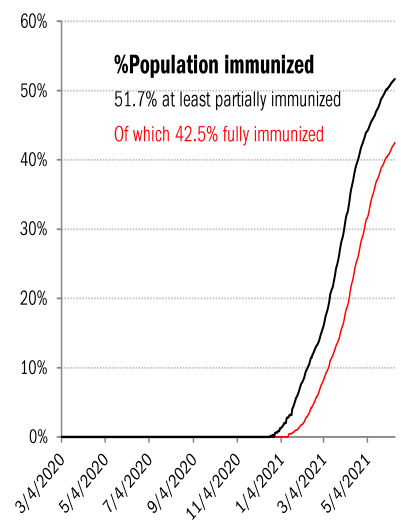
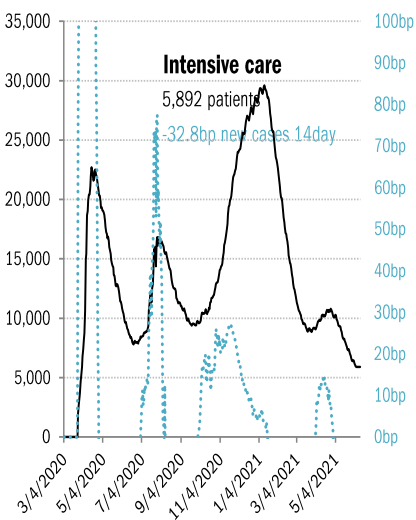
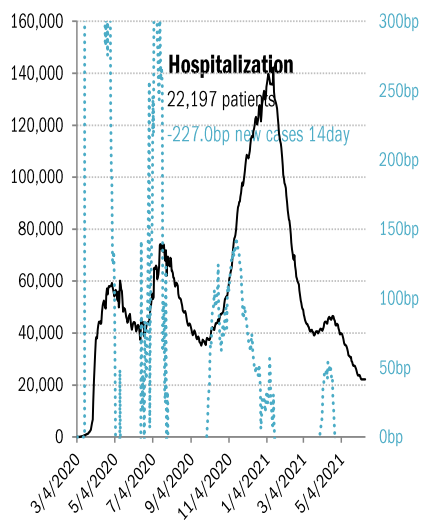
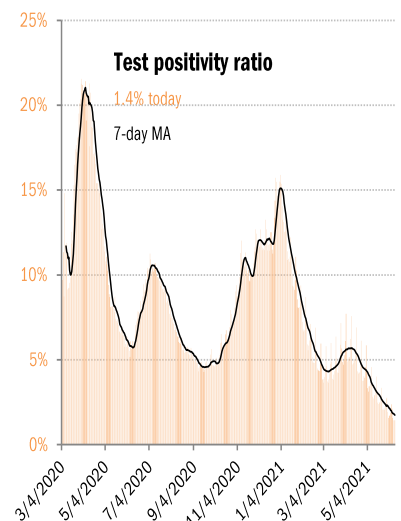
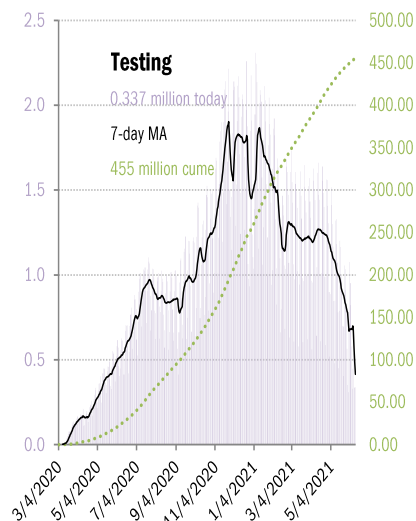
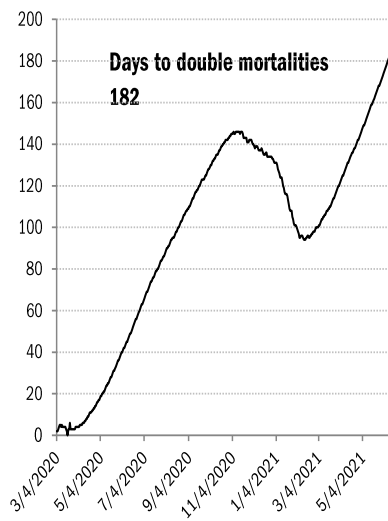
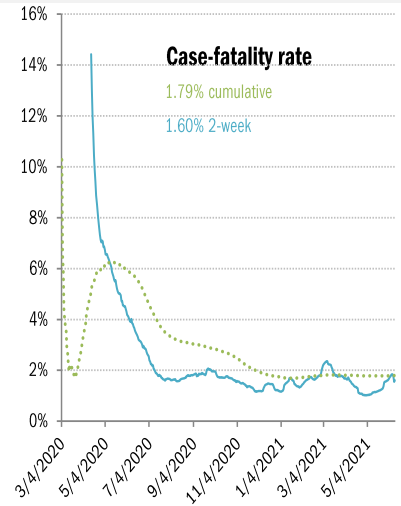
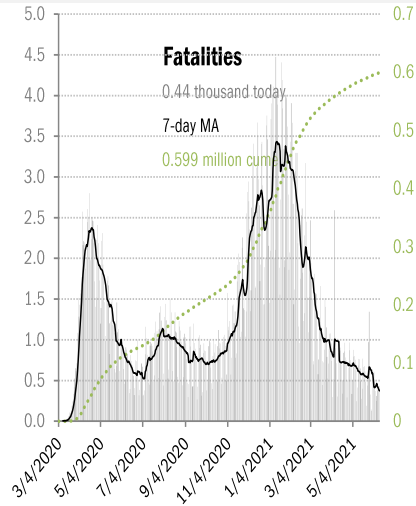
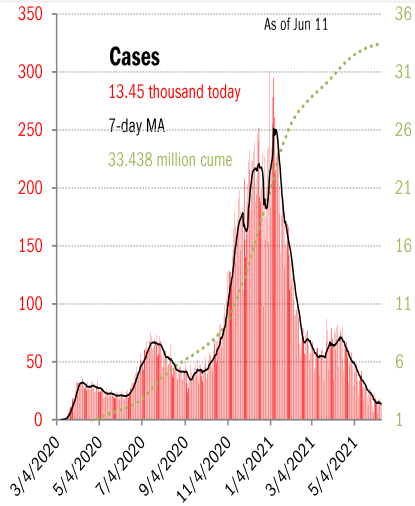
* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

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

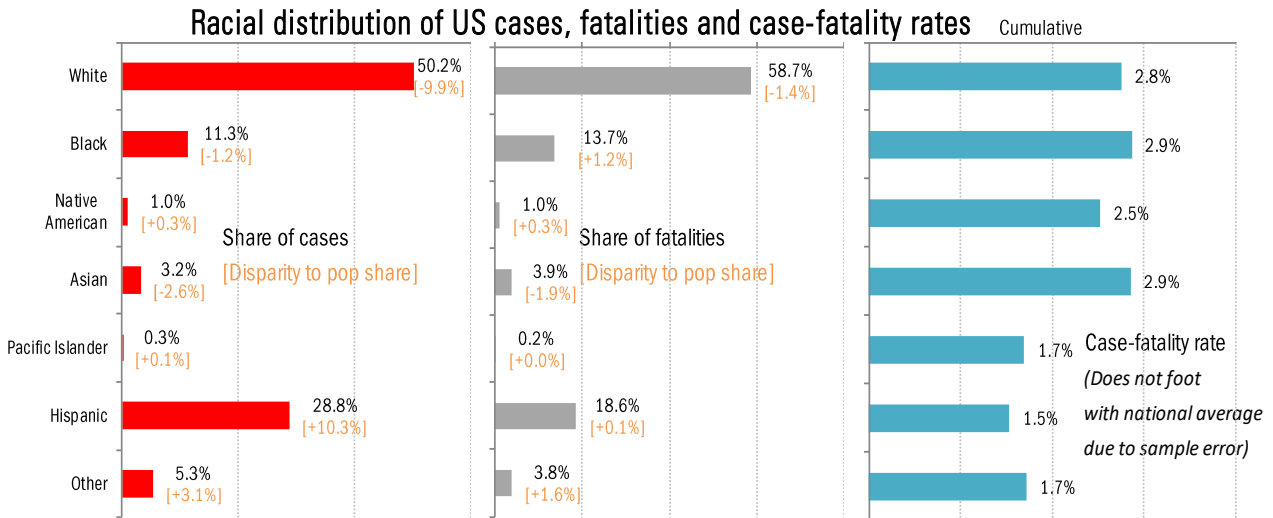
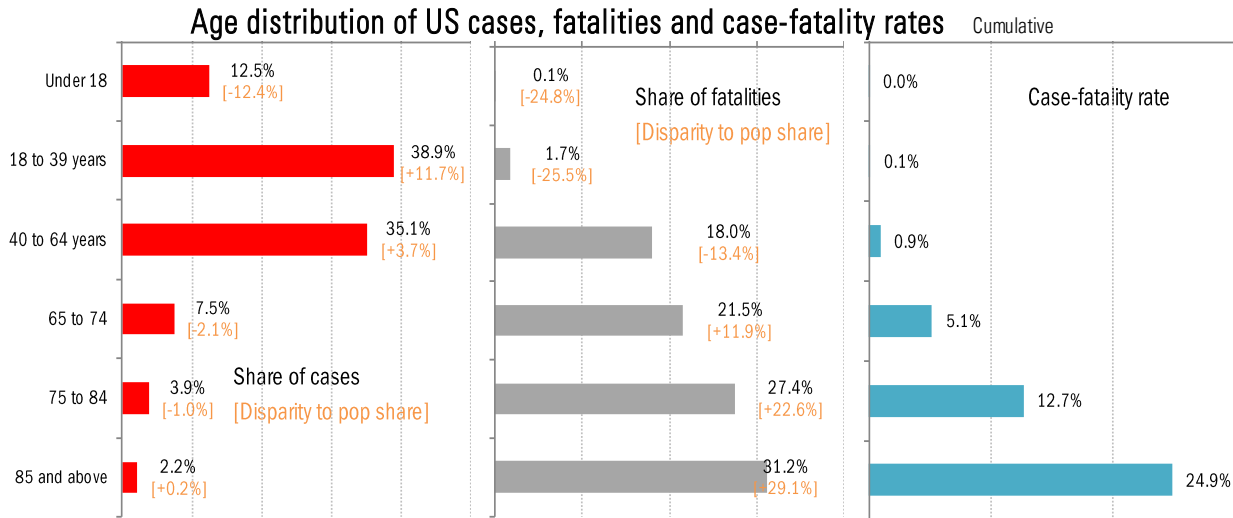
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

US deep-dive

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

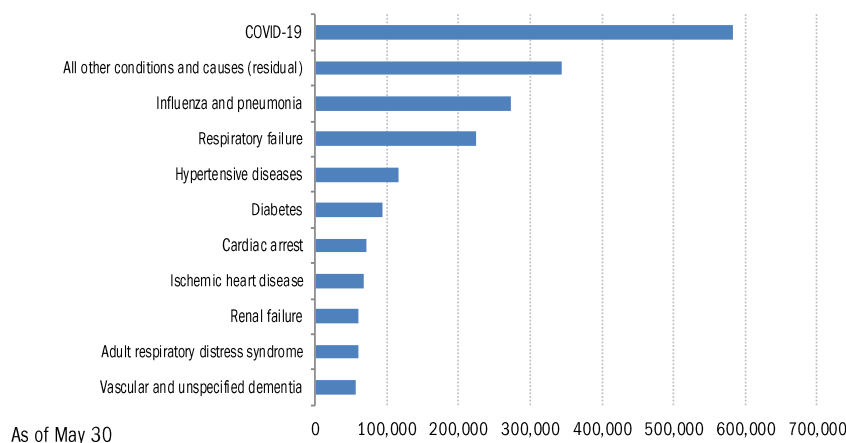


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



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

[A Scientist Who Said No to Covid Groupthink](#)

Adam O'Neal
Wall Street Journal
June 11, 2021

[Europe's Summer of Recovery Is More Fragile Than It Looks](#)

Peter S. Goodman
New York Times
June 11, 2021

[SAGE Member – and Communist – Susan Michie Says We Will Need Face Masks and Social Distancing “Forever”](#)

Michael Curzon
Lockdown Sceptics
June 10, 2021

[Evidence grows stronger for Covid vaccine link to heart issue, CDC says](#)

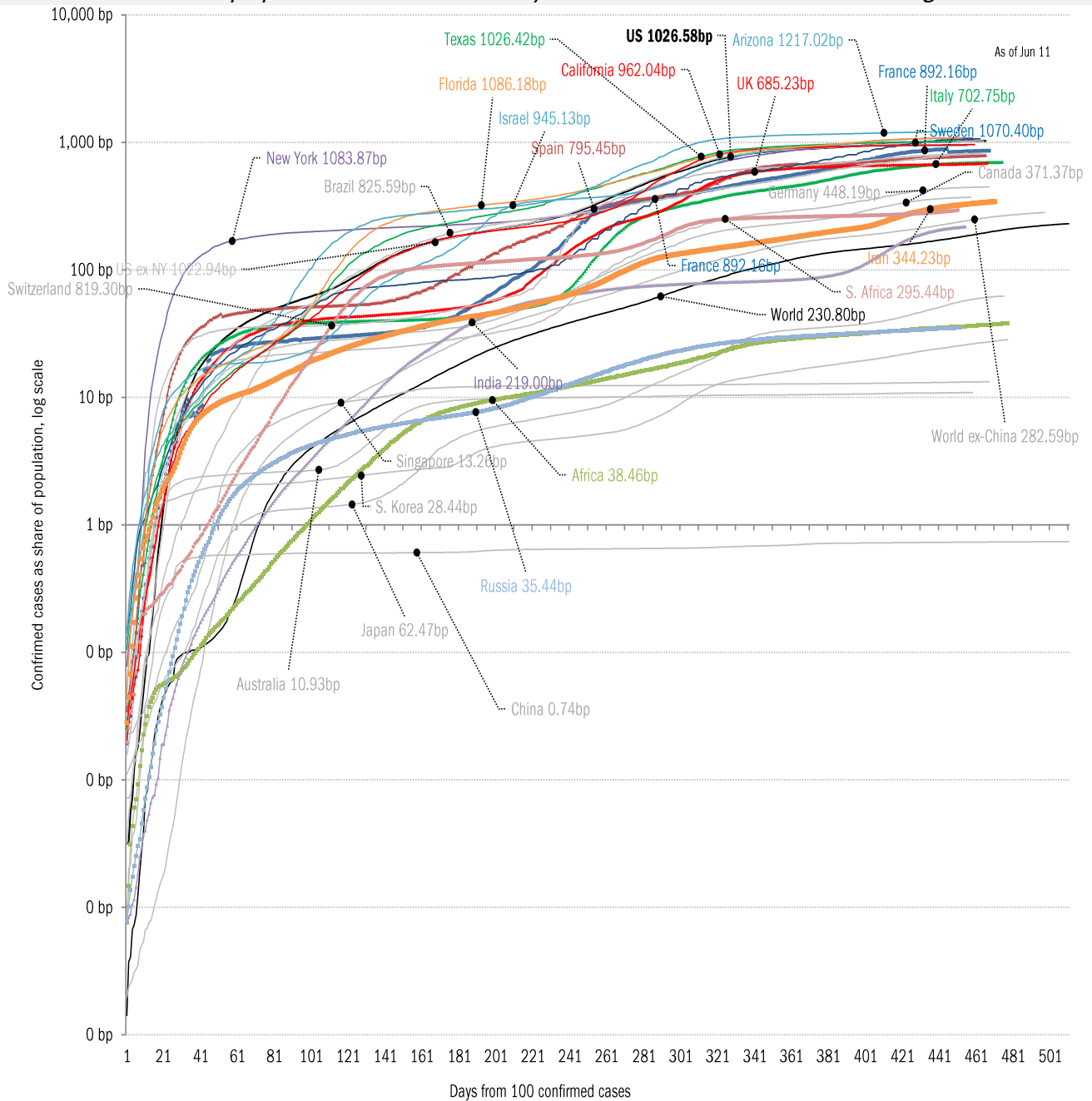
Erika Edwards
NBC News
June 10, 2021

Meme of the day



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

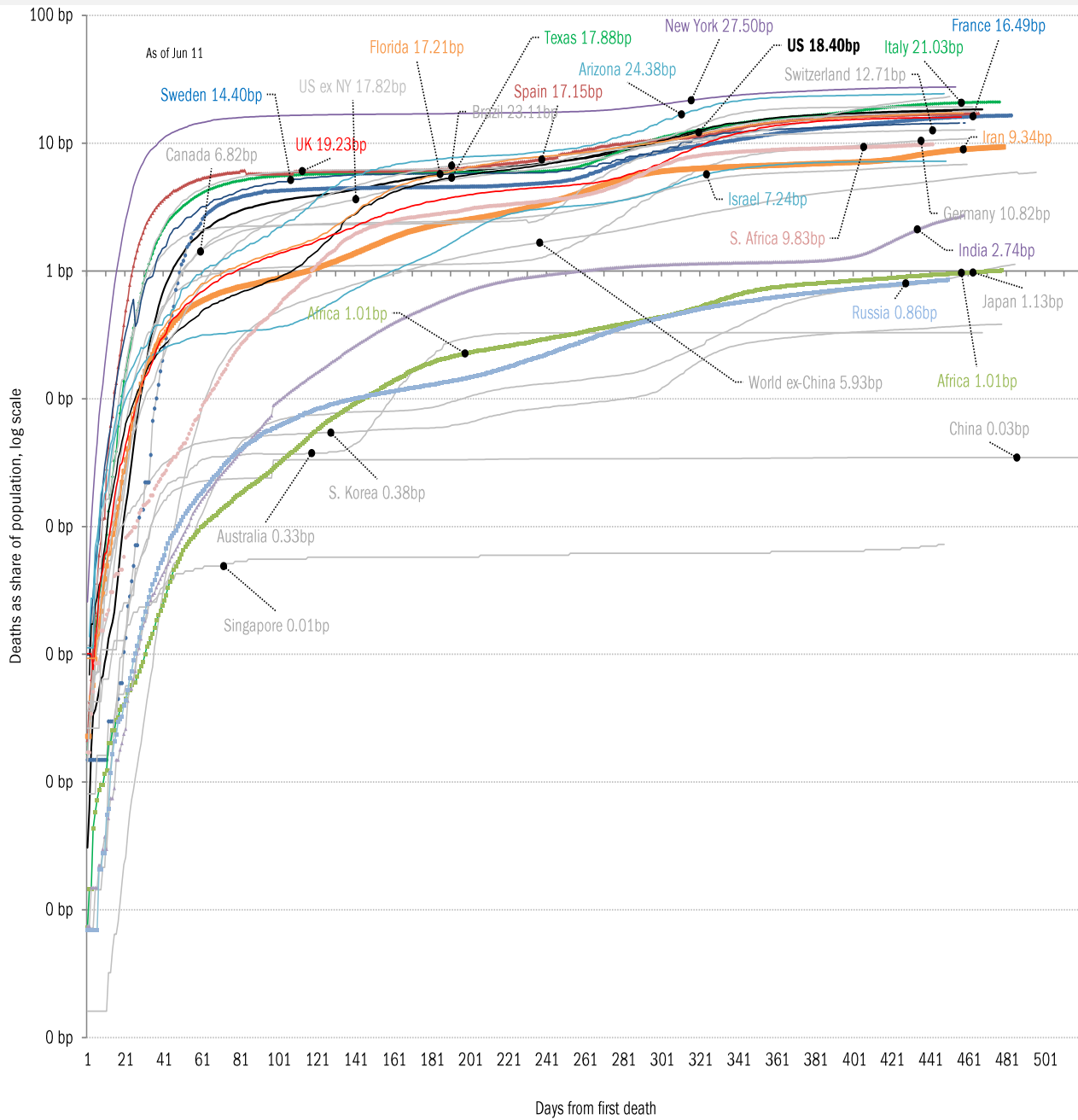
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

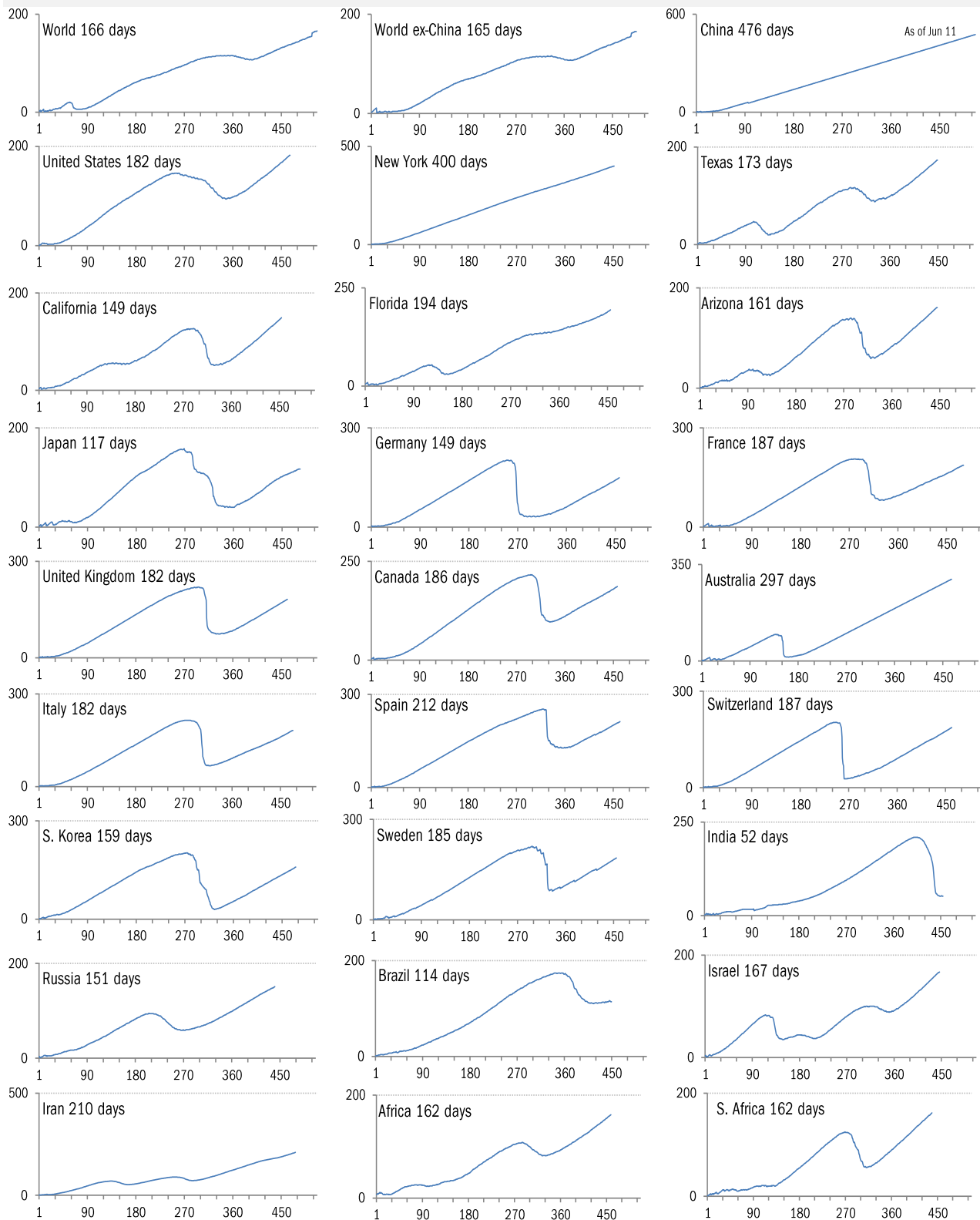


Source: [Johns Hopkins](#), TrendMacro calculations

"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

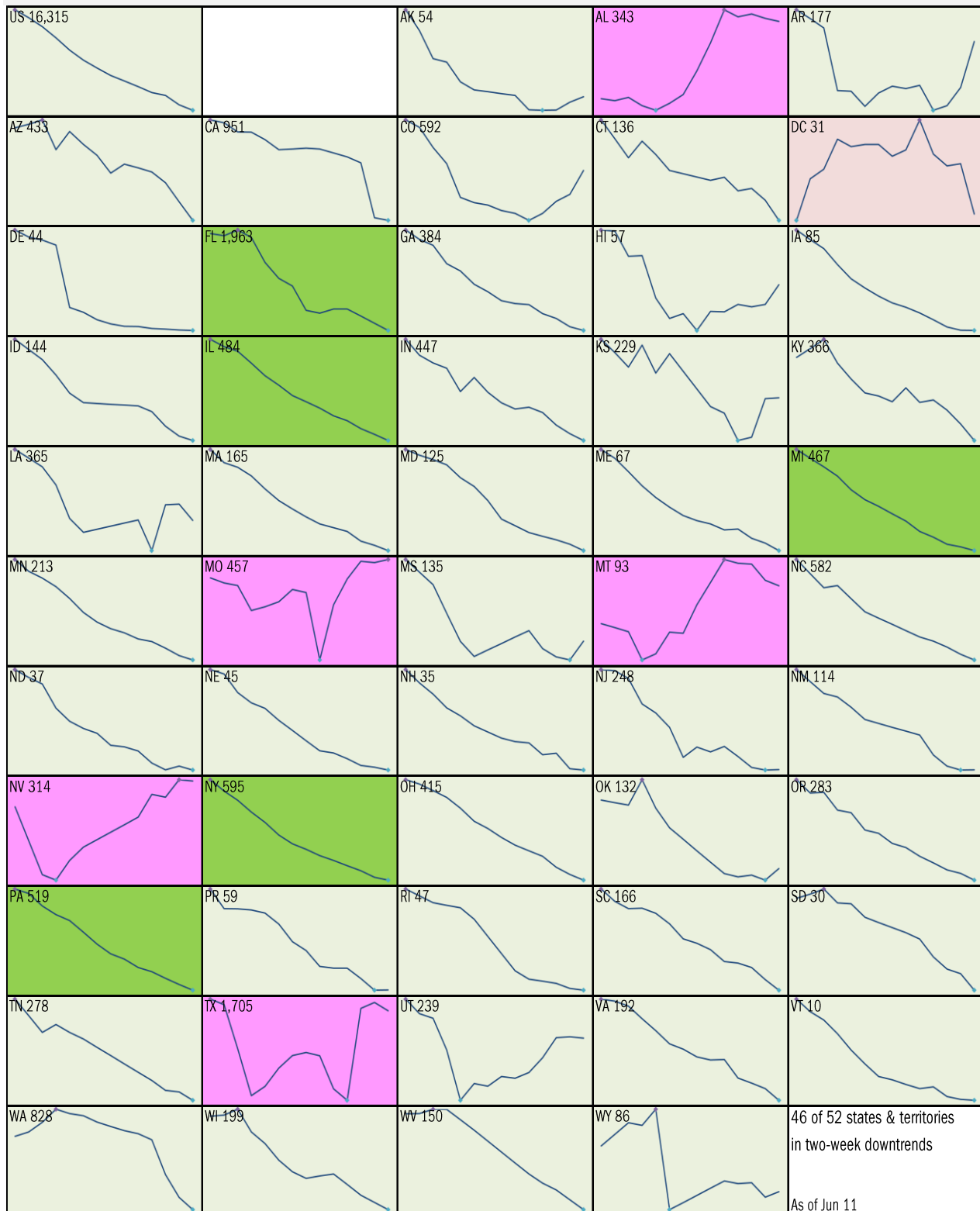


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

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

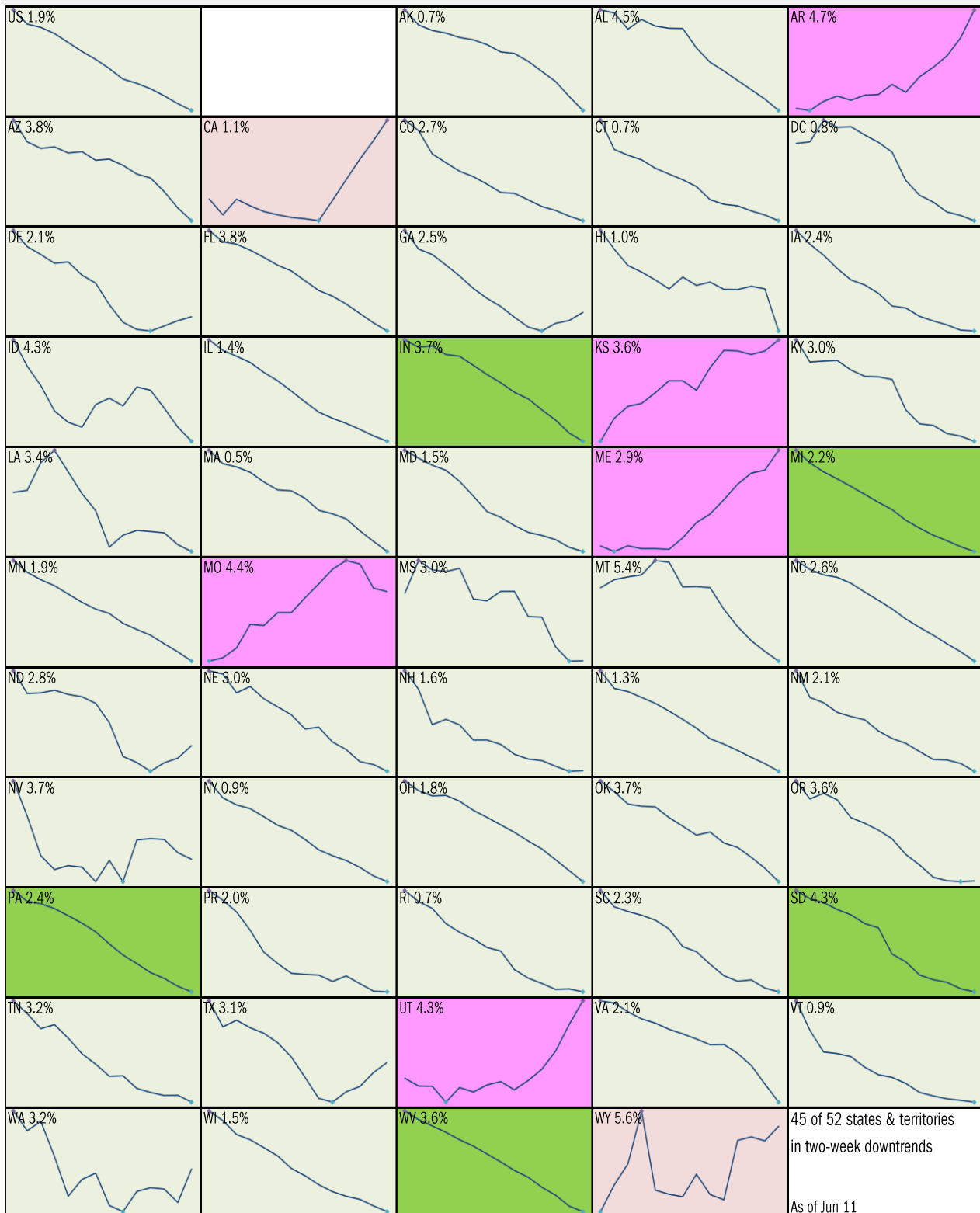


Source: [Johns Hopkins](#), TrendMacro calculations

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

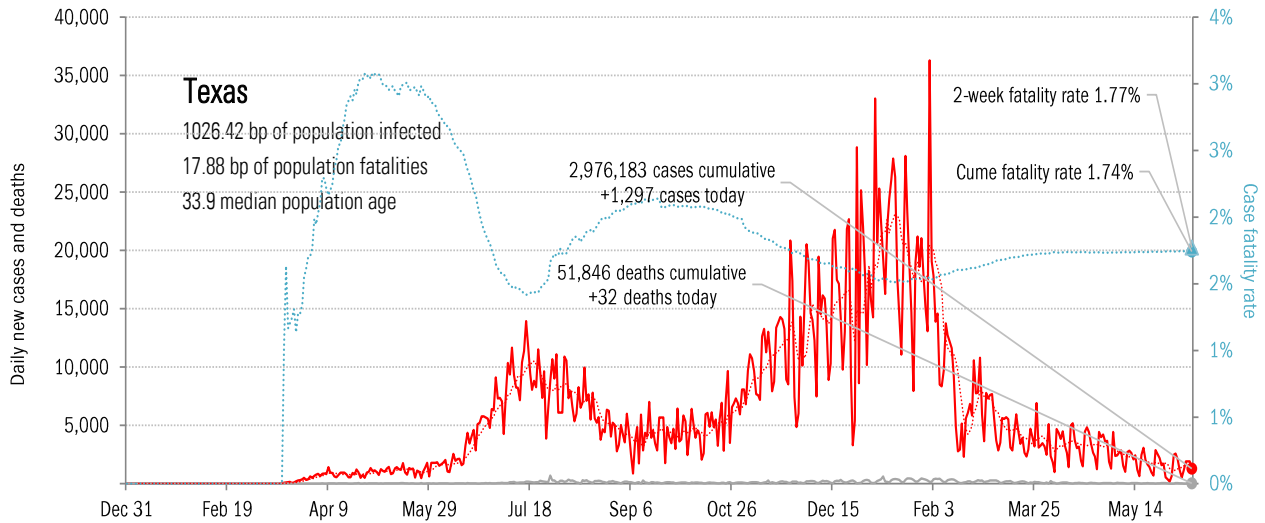
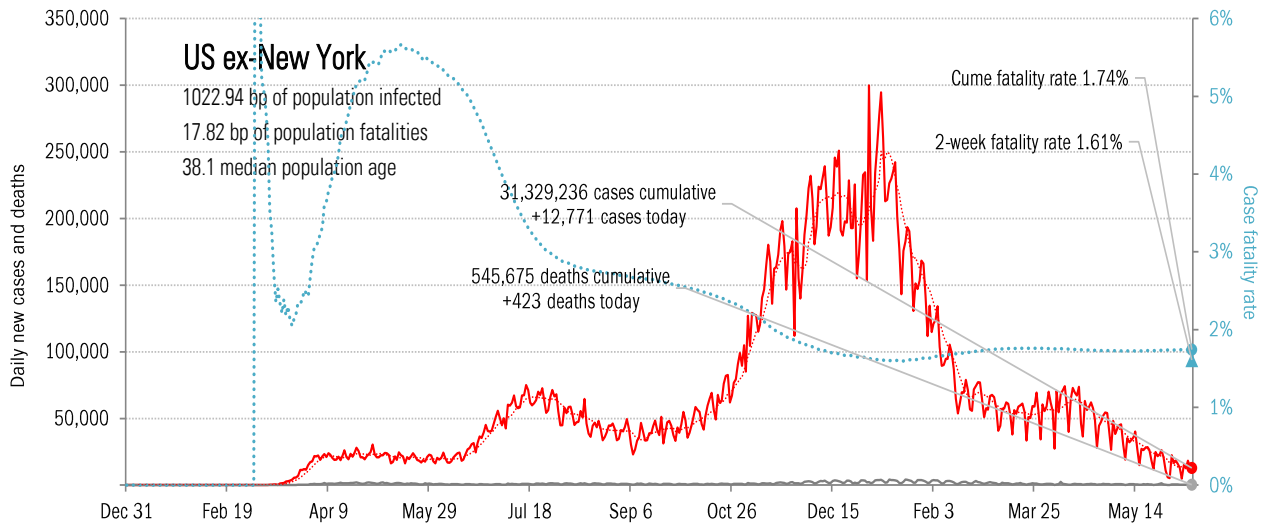
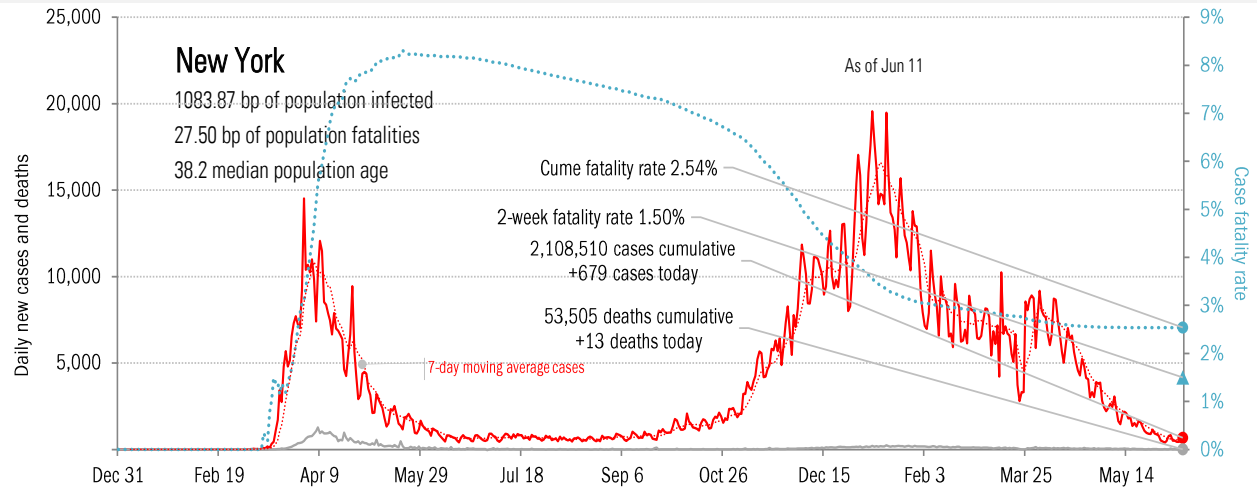
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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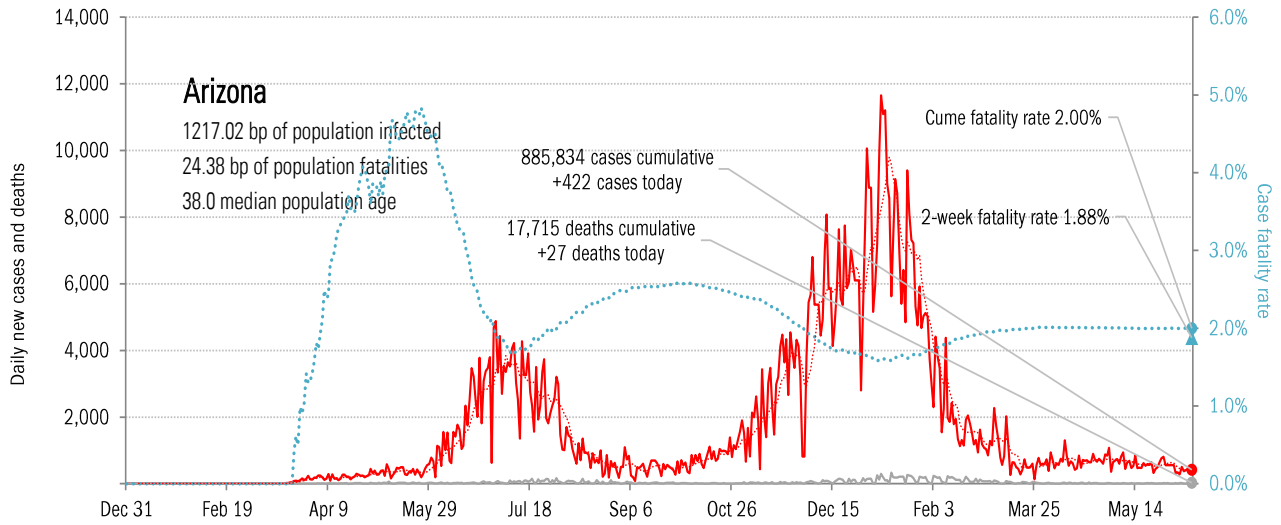
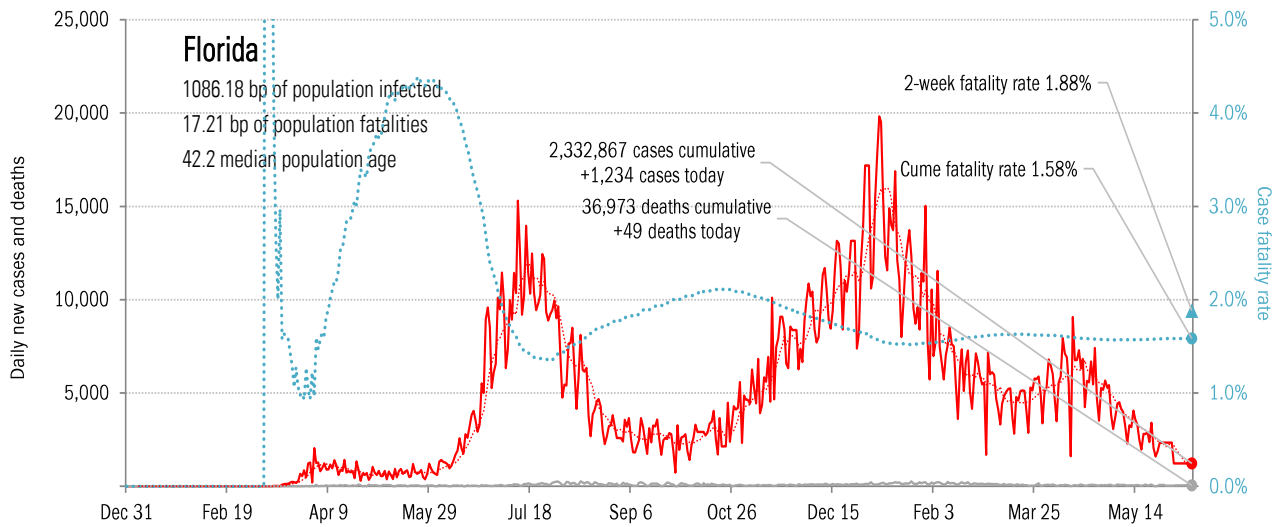
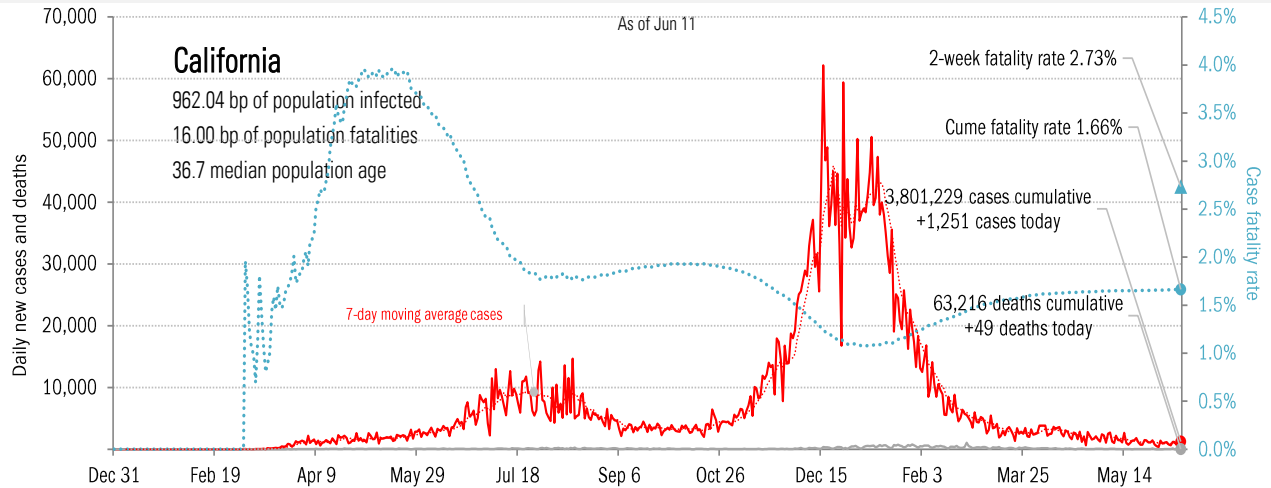
Source: [Covid Act Now](#), TrendMacro calculations

From Ground Zero to the Rio Grande



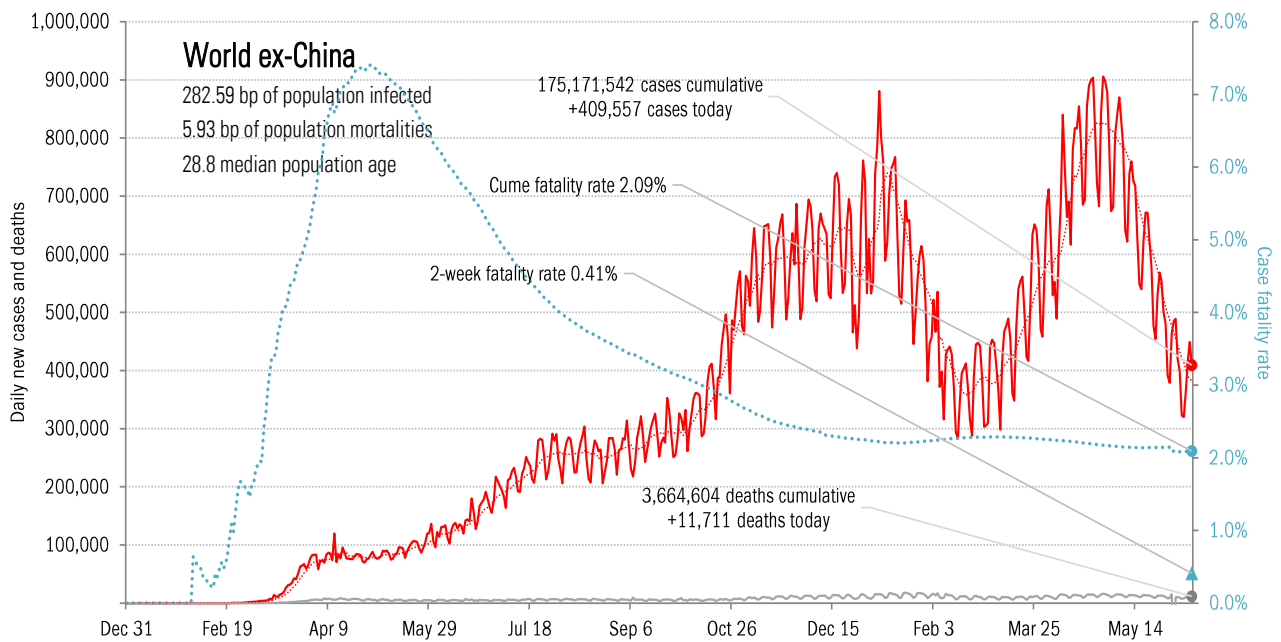
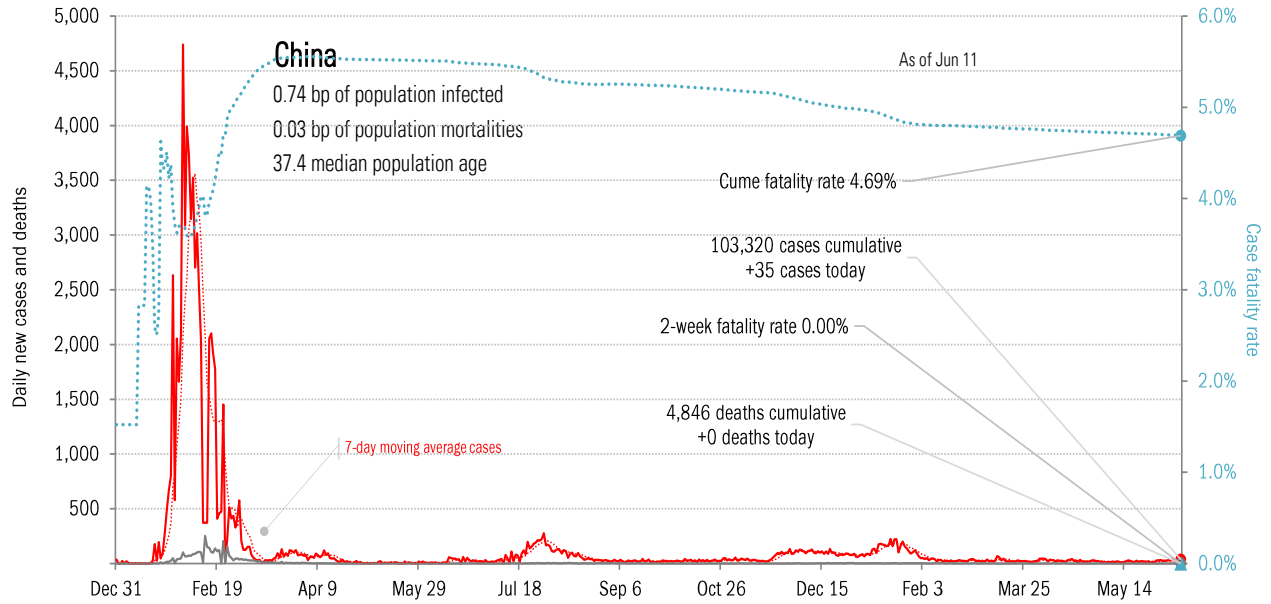
Source: [Johns Hopkins](#), TrendMacro calculations

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



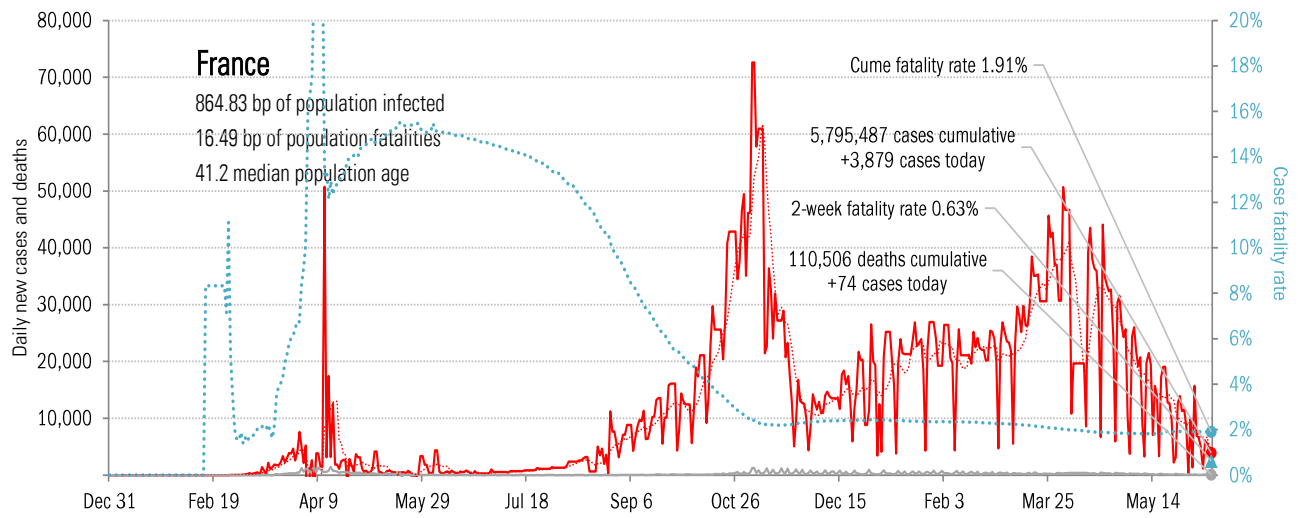
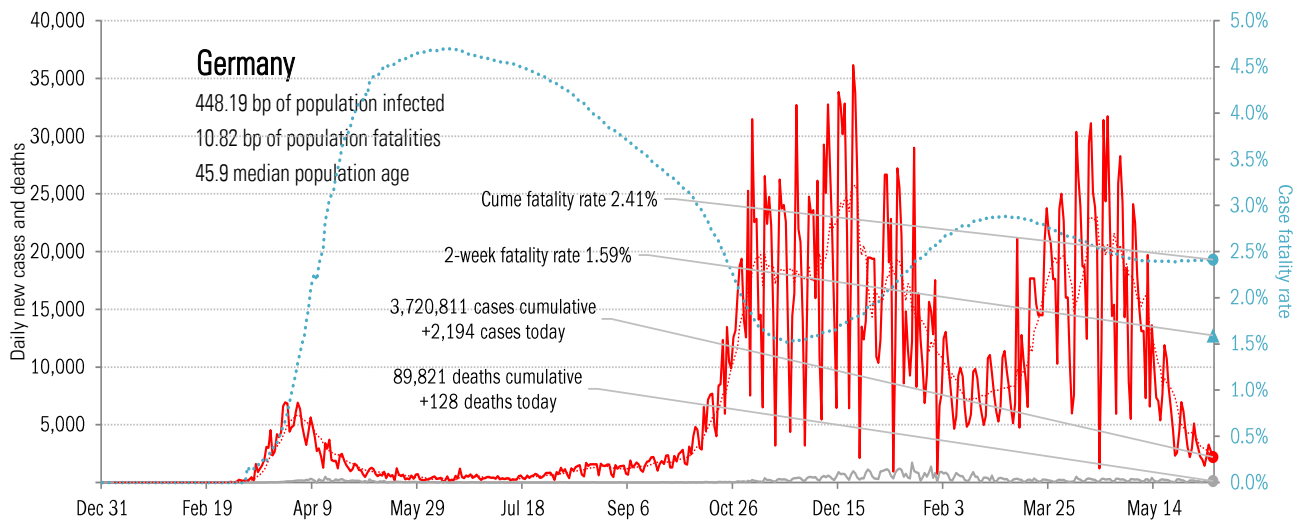
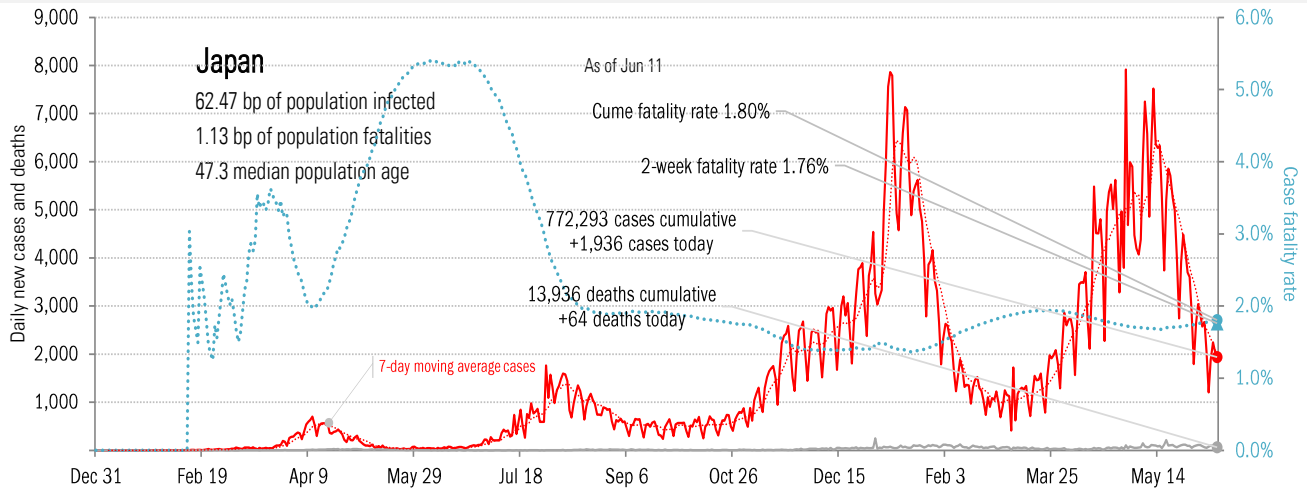
Source: [Johns Hopkins](#), TrendMacro calculations

Patient zero... and then everyone else



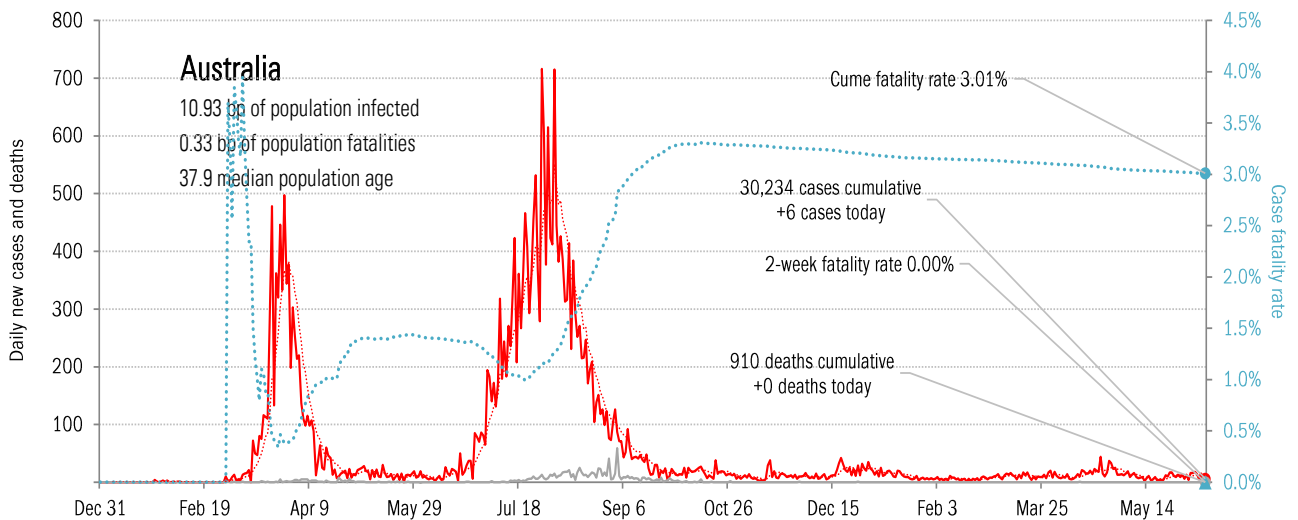
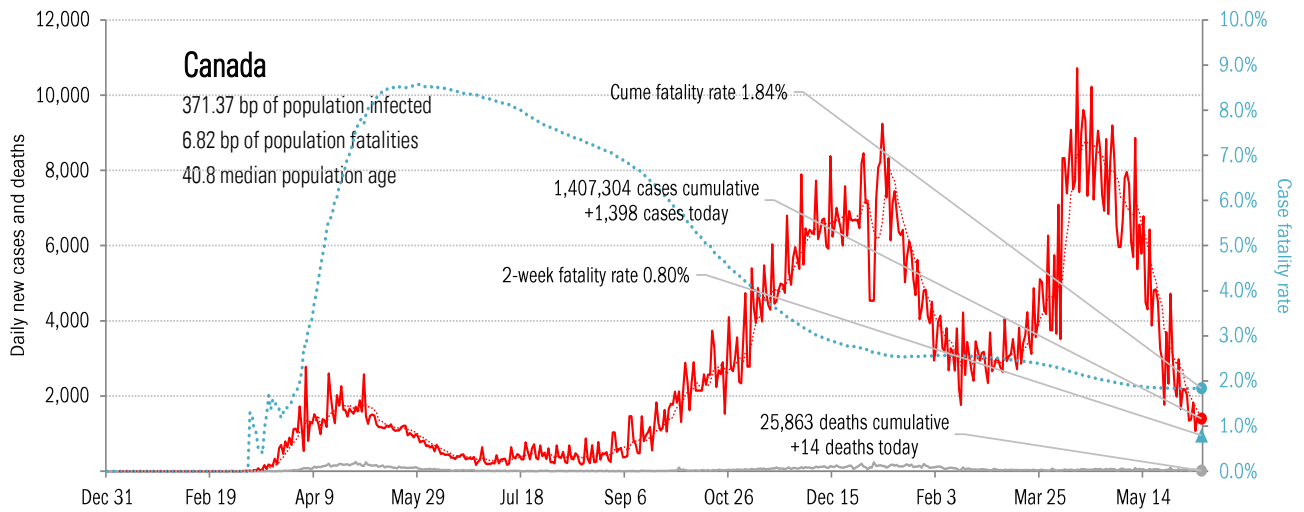
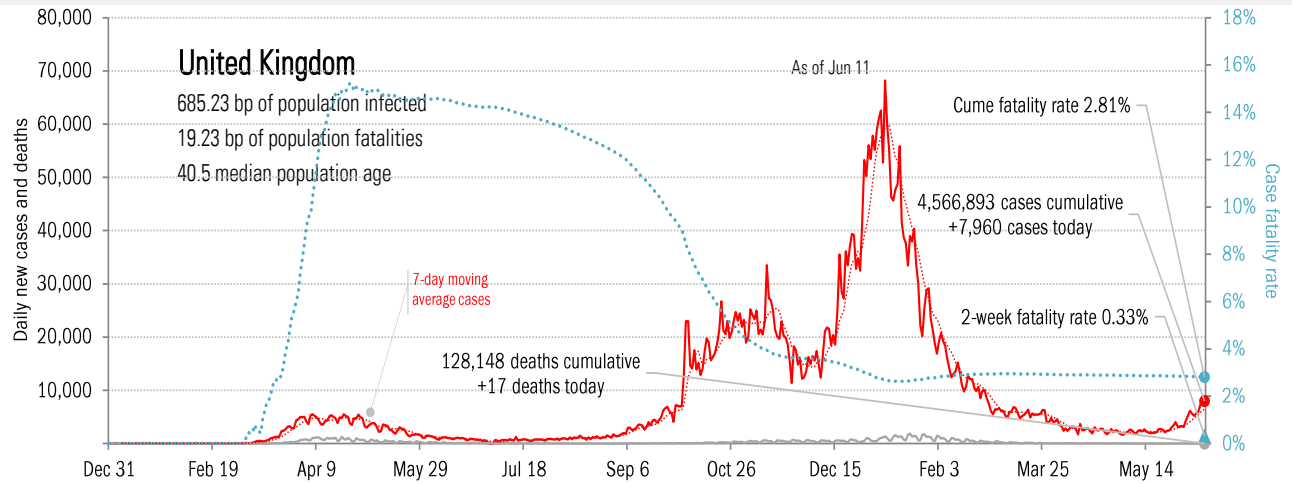
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the largest economies



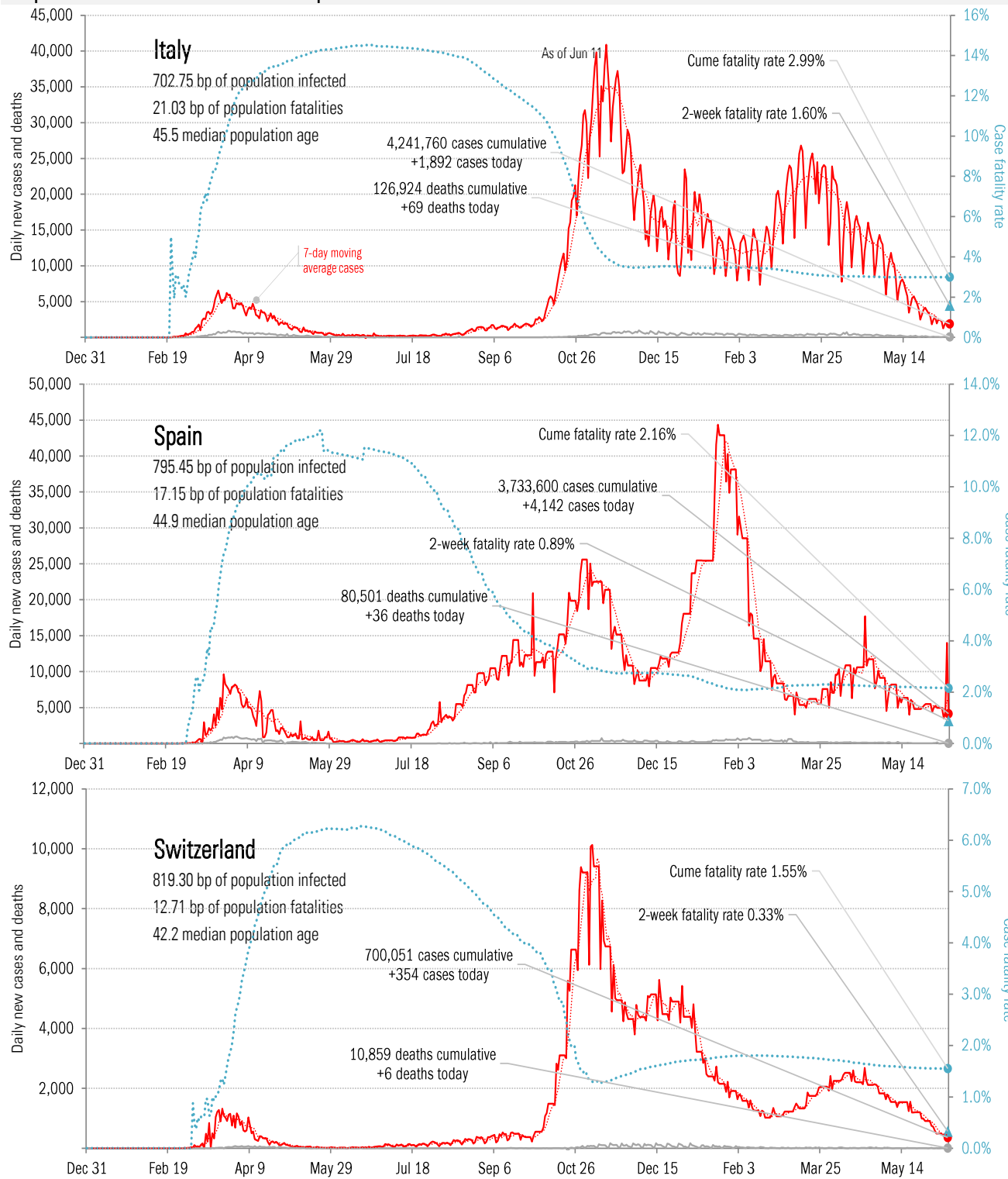
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



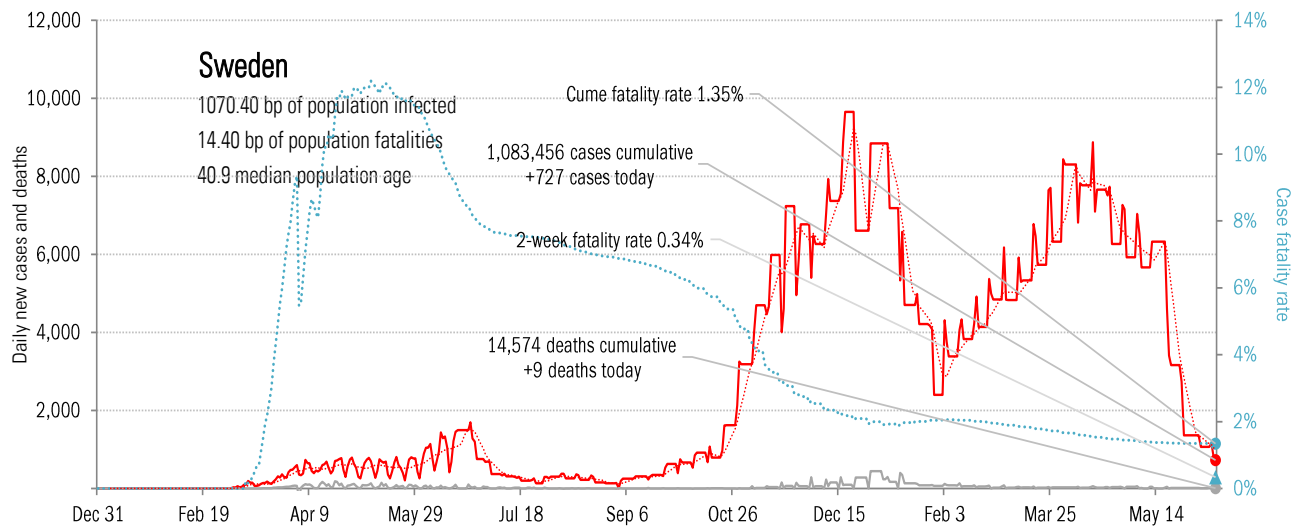
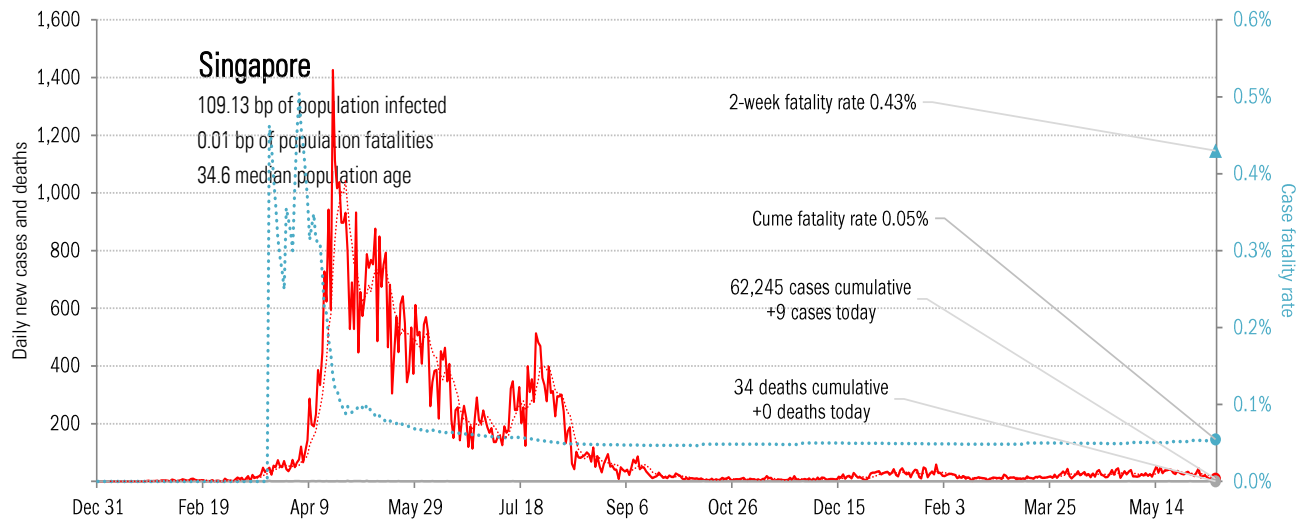
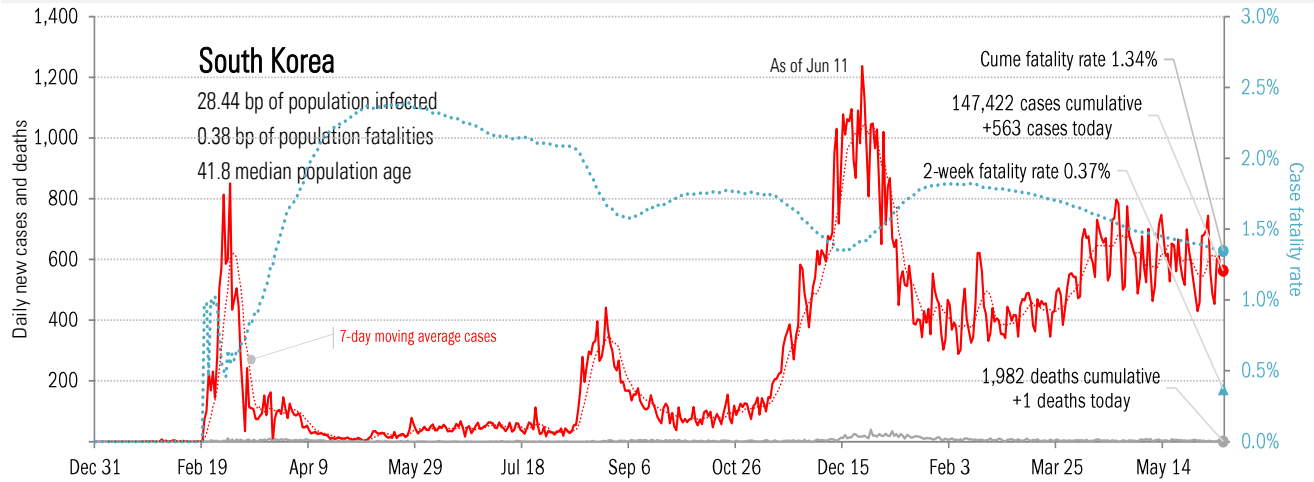
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



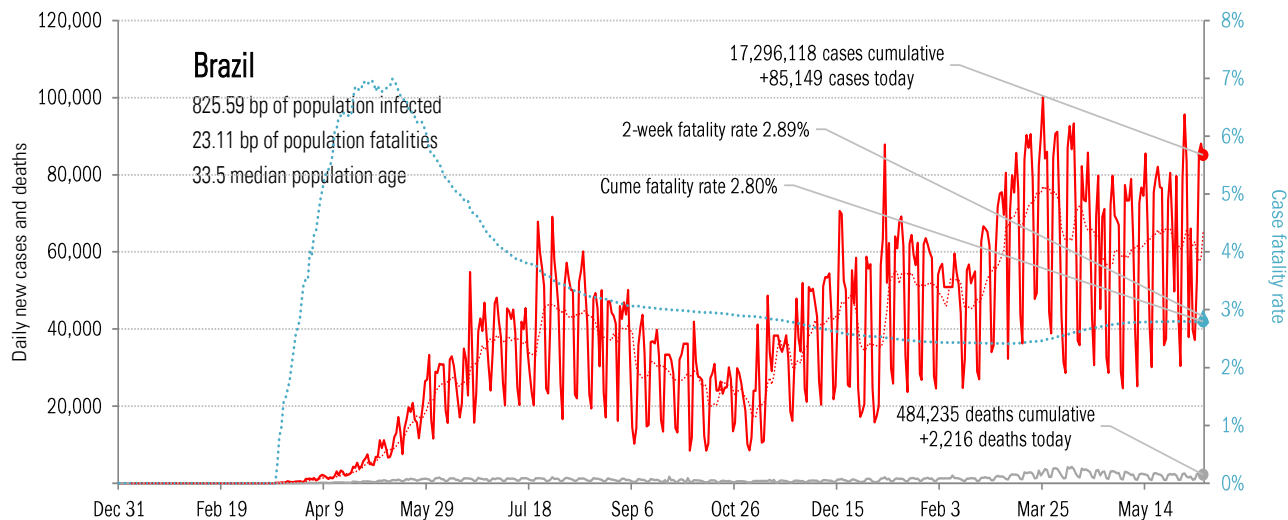
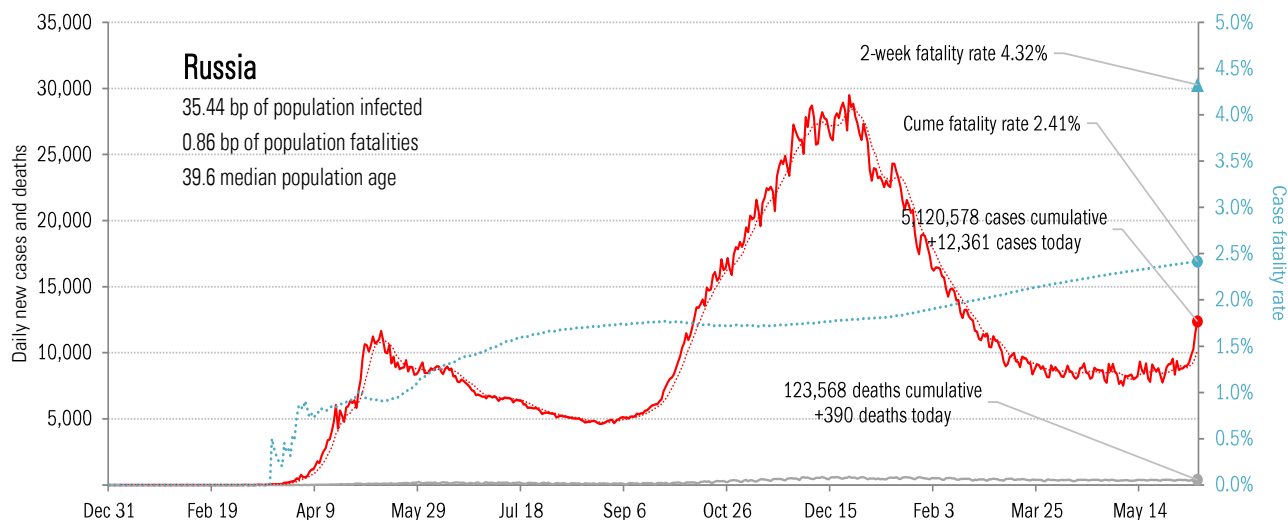
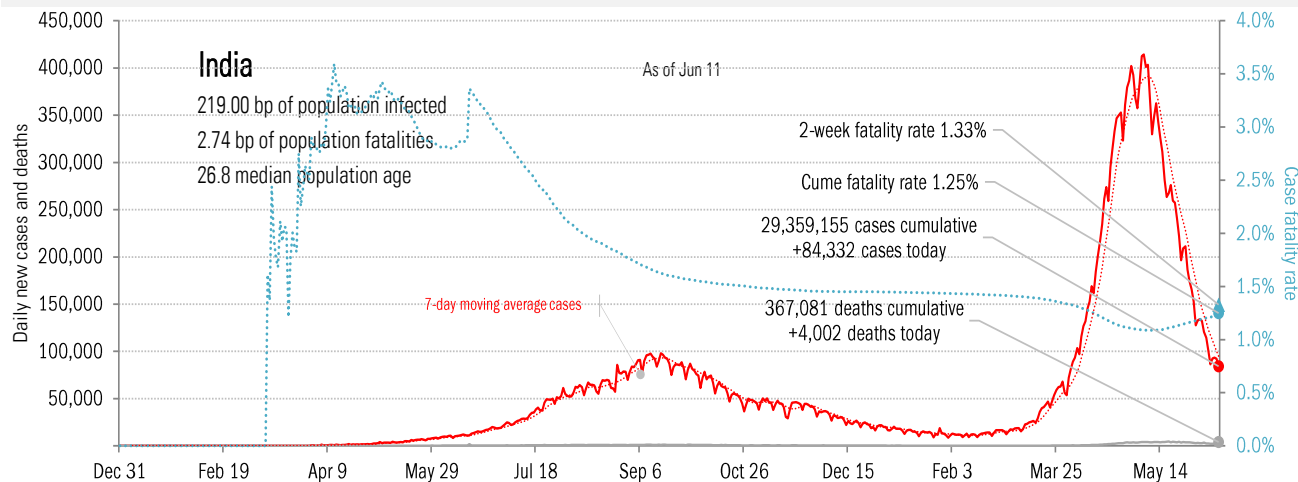
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



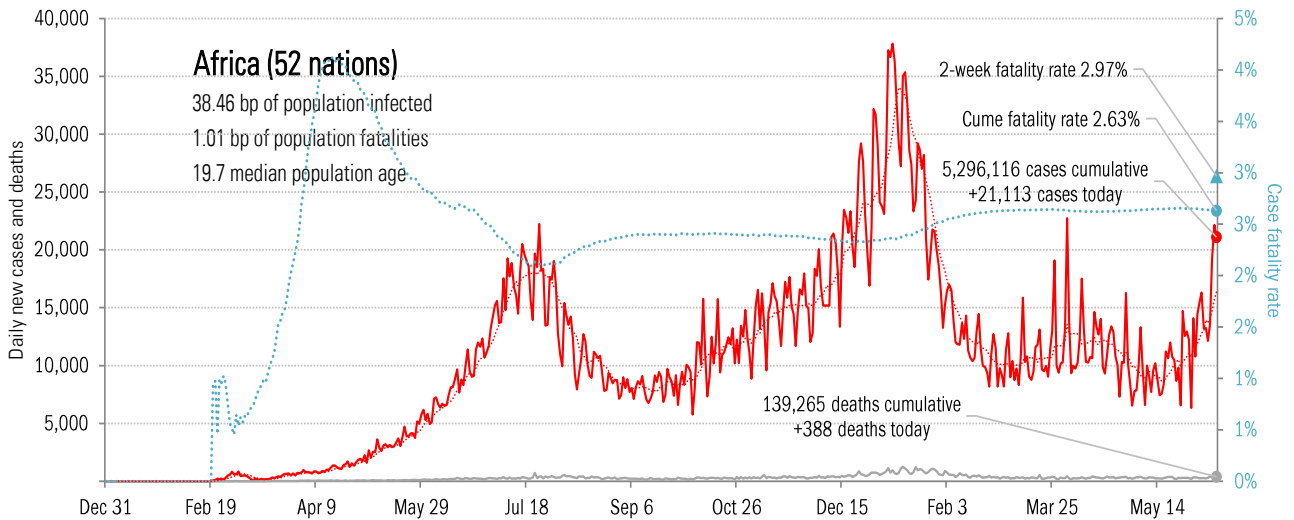
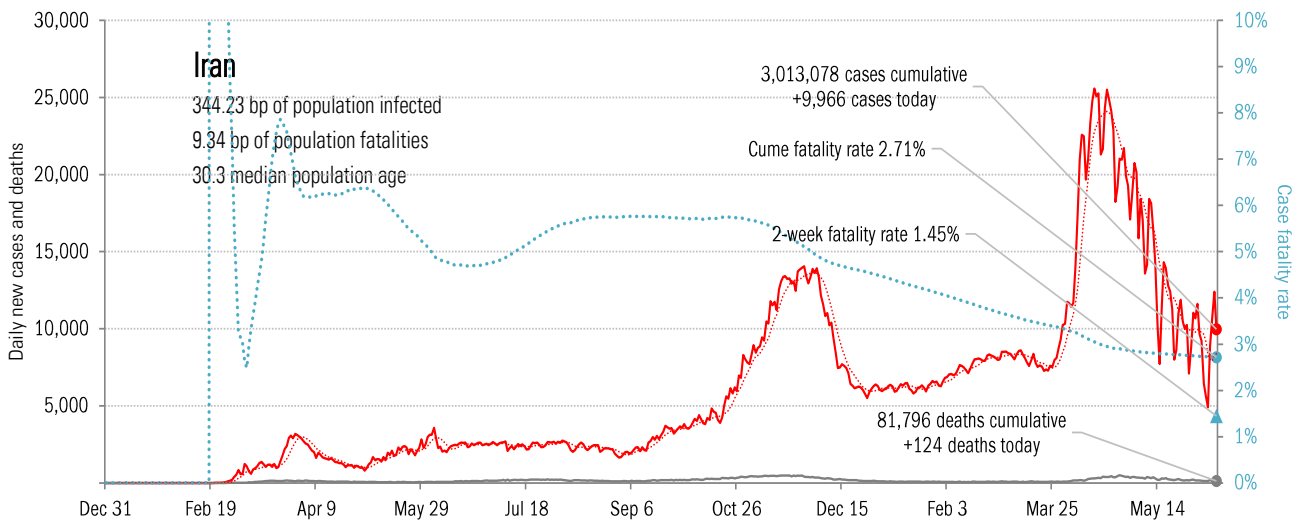
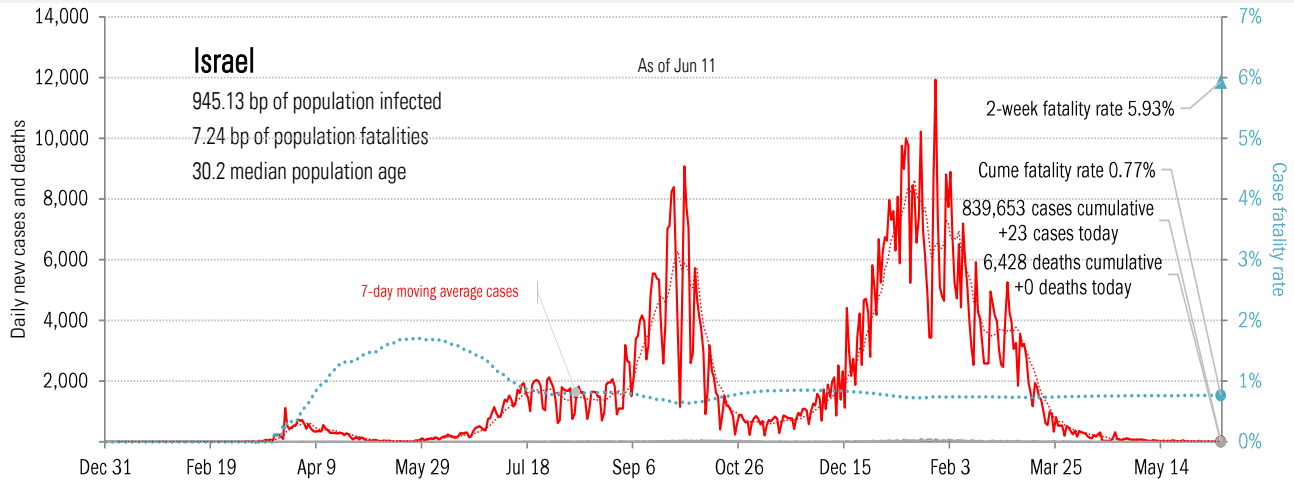
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



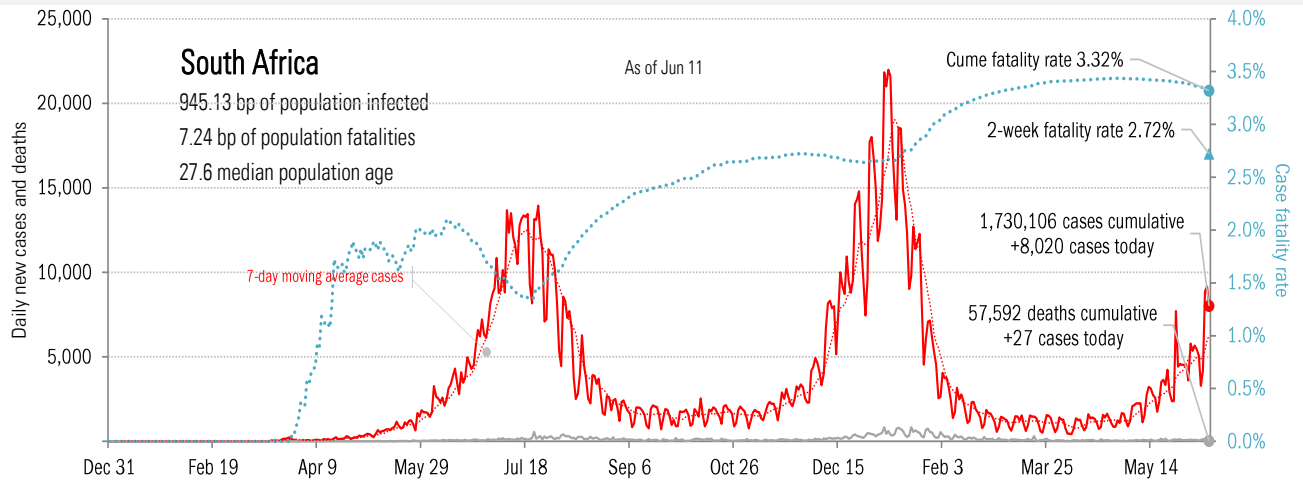
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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