

## Data Insights: Covid-2019 Monitor

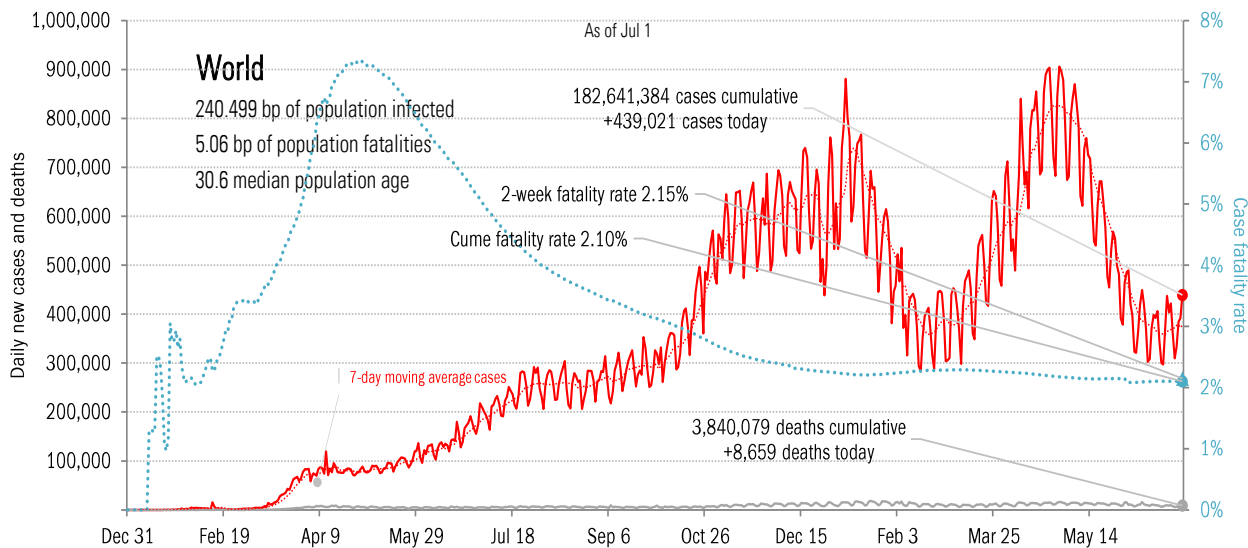
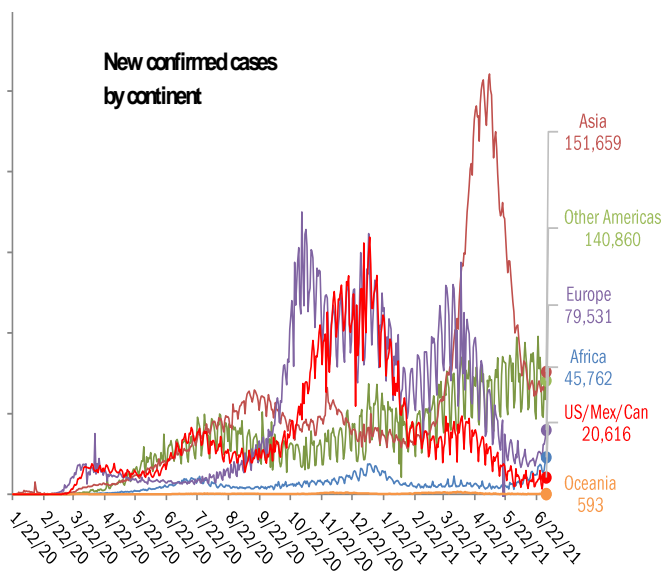
Friday, July 2, 2021

### The global scorecard

The worst ten countries

New cases		New Deaths	
Brazil	+65,163	Brazil	+2,029
India	+46,617	India	+853
Colombia	+28,315	Russia	+660
United Kingdom	+27,646	Colombia	+593
Indonesia	+24,836	Indonesia	+504
Russia	+23,128	Argentina	+468
South Africa	+21,584	South Africa	+382
Argentina	+21,177	Peru	+356
United States	+14,463	United States	+305
Iran	+14,303	Mexico	+201
<b>+287,232</b>		<b>+6,351</b>	
World	+439,021	World	+8,659
Top ten	65%	Top ten	73%

New confirmed cases by continent



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

#### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

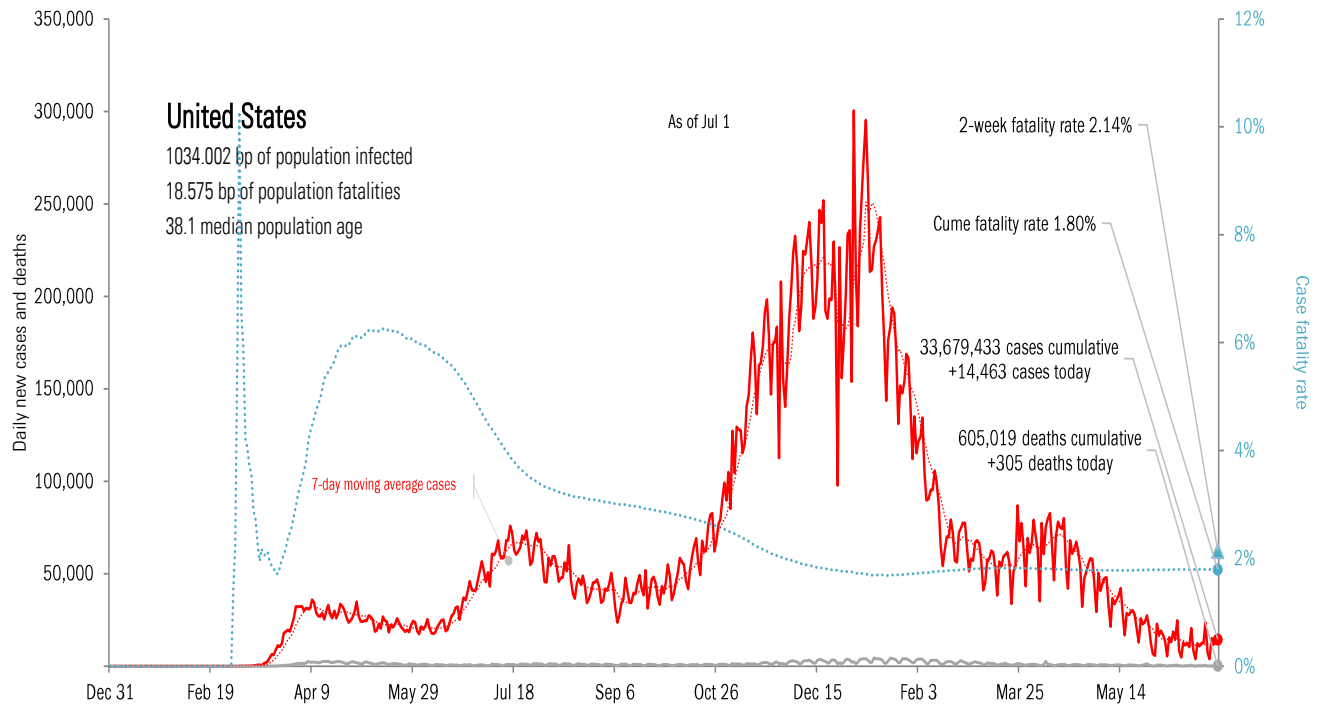
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	+1,667		TX	+73		FL	+68		CA	3,818,326		CA	63,712		TX	254,492		RI	91%	MO	17%
TX	+1,613		CA	+65		CA	+59		TX	3,001,682		NY	53,690		CA	240,667		MA	82%	AR	14%
FL	+1,578		FL	+20		GA	+27		FL	2,369,400		TX	52,410		FL	187,837		MO	82%	UT	13%
MO	+1,286		MI	+14		MI	+23		NY	2,115,377		FL	37,911		NY	136,579		PA	81%	WA	10%
AR	+700		NV	+11		MO	+19		IL	1,392,196		PA	27,687		GA	109,498		GA	80%	NV	10%
CH	+579		NY	+11		IN	+16		PA	1,216,965		NJ	26,462		PA	91,758		MD	79%	ME	9%
LA	+568		IL	+10		NV	+14		GA	1,135,093		IL	25,670		CH	88,036		MI	79%	CO	9%
NV	+543		LA	+10		TX	+14		CH	1,111,903		GA	21,428		IL	82,664		WV	78%	MT	8%
UT	+540		PA	+9		AZ	+10		NJ	1,023,613		MI	21,013		KY	78,138		FL	78%	TX	8%
CO	+530		WA	+8		MA	+10		NC	1,013,985		CH	20,309		MI	73,238		MN	78%	ID	8%
+9,604			+231			+260			18,198,540			350,292			1,342,907						
All states	+16,041		+325			+178			All states	33,679,433		605,019			2,392,098			All states	70%	67%	
Top ten	60%		71%			146%			Top ten	54%		58%			56%			Median	72%	5%	

Some states not reporting

## Five most improved US states

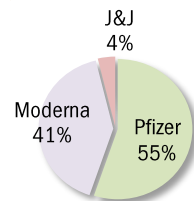
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-1,138	FL	-99	PA	-29	FR	+890 bp
FL	-779	NC	-16	CT	-16	AZ	+290 bp
AL	-532	AL	-14	KY	-15	NC	+270 bp
KS	-411	NJ	-8	AL	-10	OR	+110 bp
AZ	-297	GA	-6	AR	-9	ME	+50 bp



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	394,885,335				+0.335 million	US	46.6%	54.2%
Doses administered	337,811,340				+1.656 million	UK	48.7%	66.1%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	31.2%	50.3%
Total population	186,016,039	56%	160,047,510	48%	+1.008 million	Spain	38.5%	54.8%
Age 12 to 17	8,898,828	35%	6,700,162	26%	+0.141 million	Germany	37.0%	54.7%
Age 18 to 64	127,060,060	62%	108,858,770	53%	+0.678 million	Italy	31.6%	56.7%
Age 65 and over	49,838,541	91%	44,364,566	81%	+0.185 million	Australia	6.0%	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 **88 days** by Sep 26, 2021

59.3% of population >18 immunized  
11.5% previously tested positive  
**70.8%** vs 60% adult herd immunity\*

Global data differs from sources, timing

AK
60.8%
49.1%
43.0%

ME
72.8%
66.5%
61.5%

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As of Jul 1

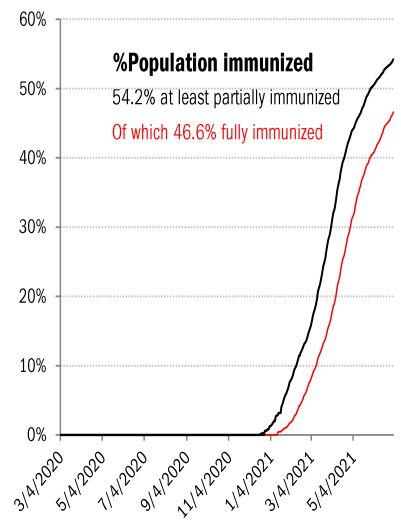
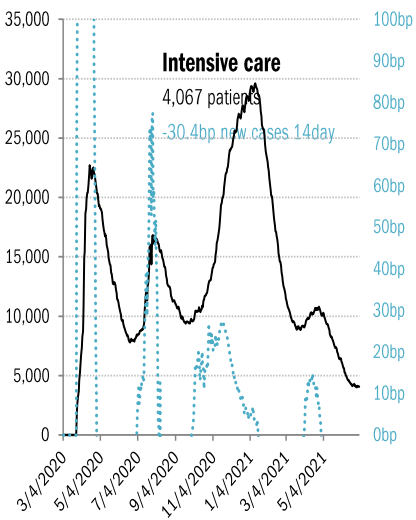
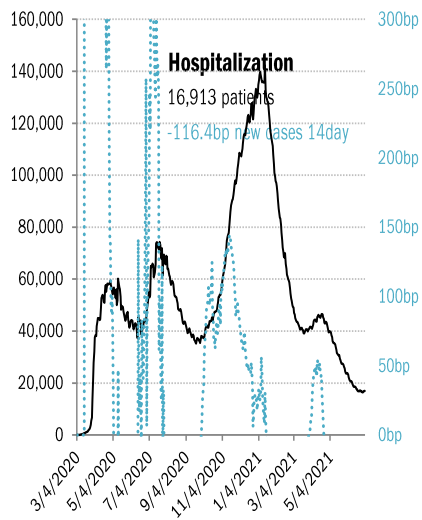
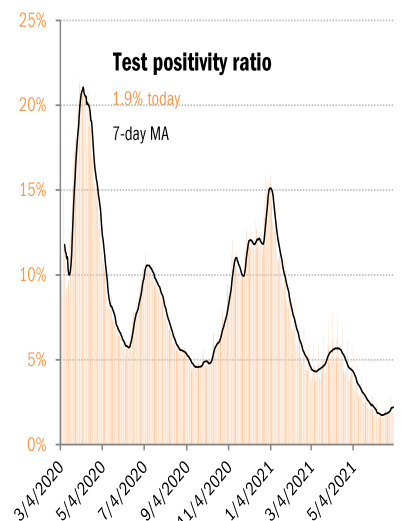
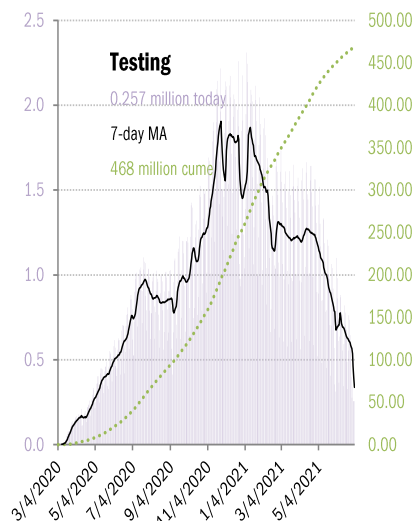
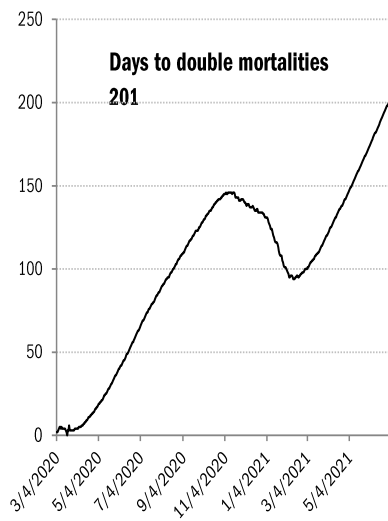
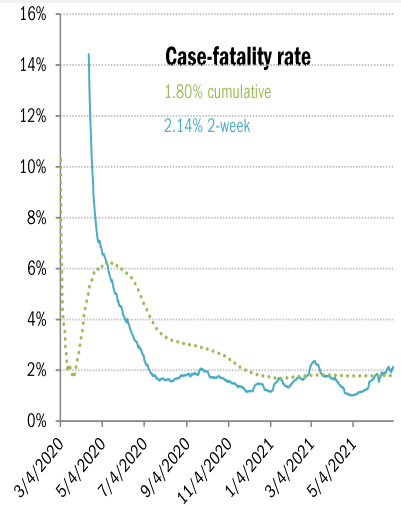
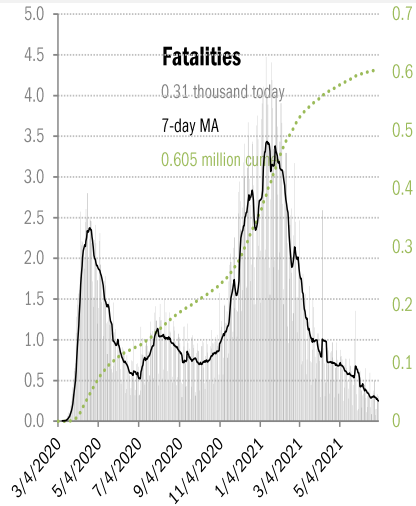
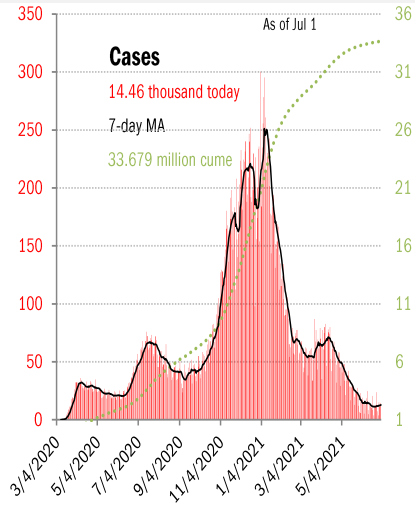
\* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

\*\* 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

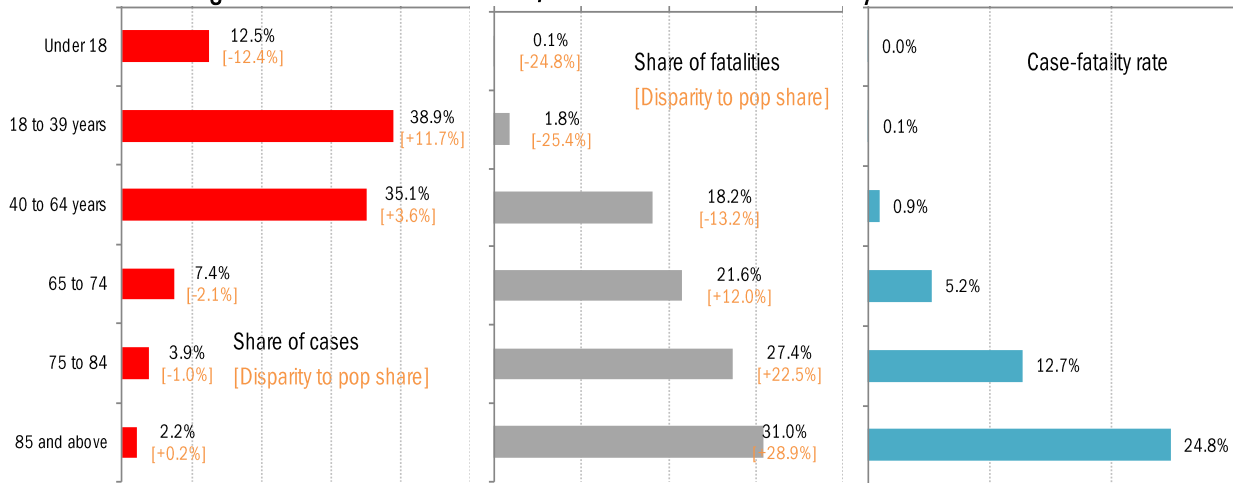
# US deep-dive

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

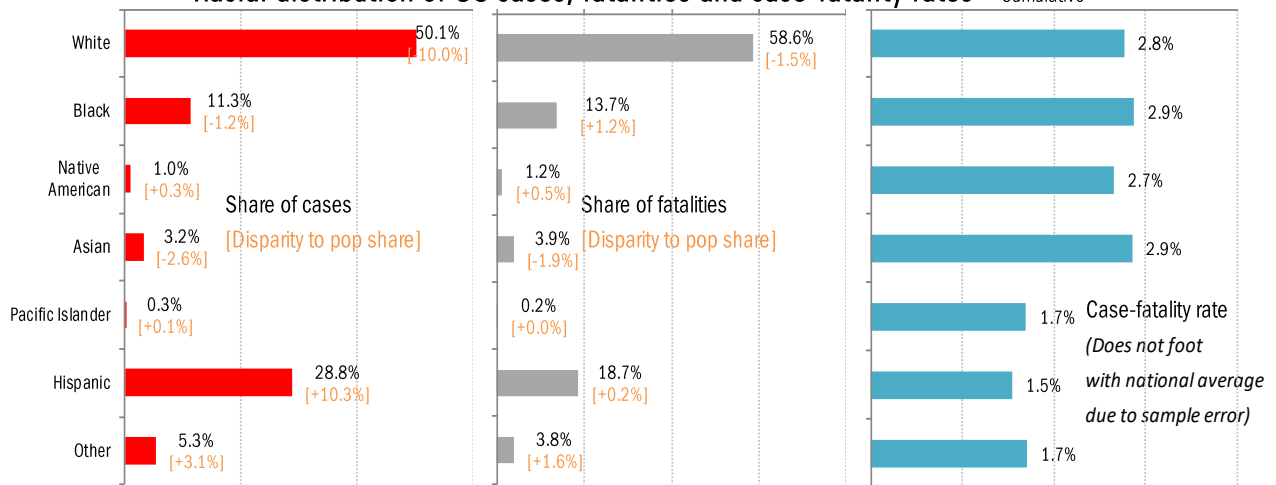


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

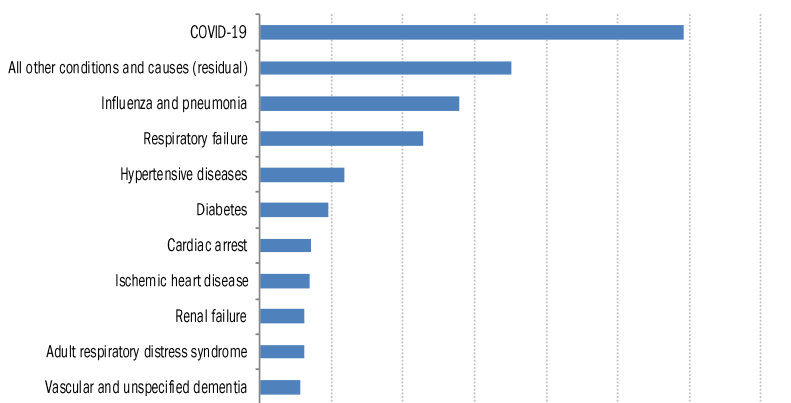


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Jun 20

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

[Johnson & Johnson Vaccine Protects Against Delta Variant, Company Reports](#)

Apoorva Mandavilli  
*New York Times*  
July 1, 2021

[From Alpha to Delta, Why Virus Mutations Cause Alarm](#)

Jason Gale  
*Bloomberg*  
June 30, 2021

[Another Respiratory Virus Is Spreading as U.S. Gets Back to Pre-Covid-19 Life](#)

Brianna Abbott  
*Wall Street Journal*  
July 1, 2021

[Texas provides an early, ominous look at pandemic learning loss](#)

Nat Malkus  
*AEI Ideas*  
June 30, 2021

[Search for Covid's Origins Leads to China's Wild Animal Farms—and a Big Problem](#)

Jeremy Page, Betsy McKay and Drew Hinshaw  
*Wall Street Journal*  
June 30, 2021

[The Delta deception: New COVID variant might be less deadly](#)

David Horowitz  
*The Blaze*  
June 23, 2021

[How the US R&D model was weakened: Analyzing the transition from 'don't Sputnik me' to 'don't Covid me'](#)

Reuven Brenner  
*Asia Times*  
July 1, 2021

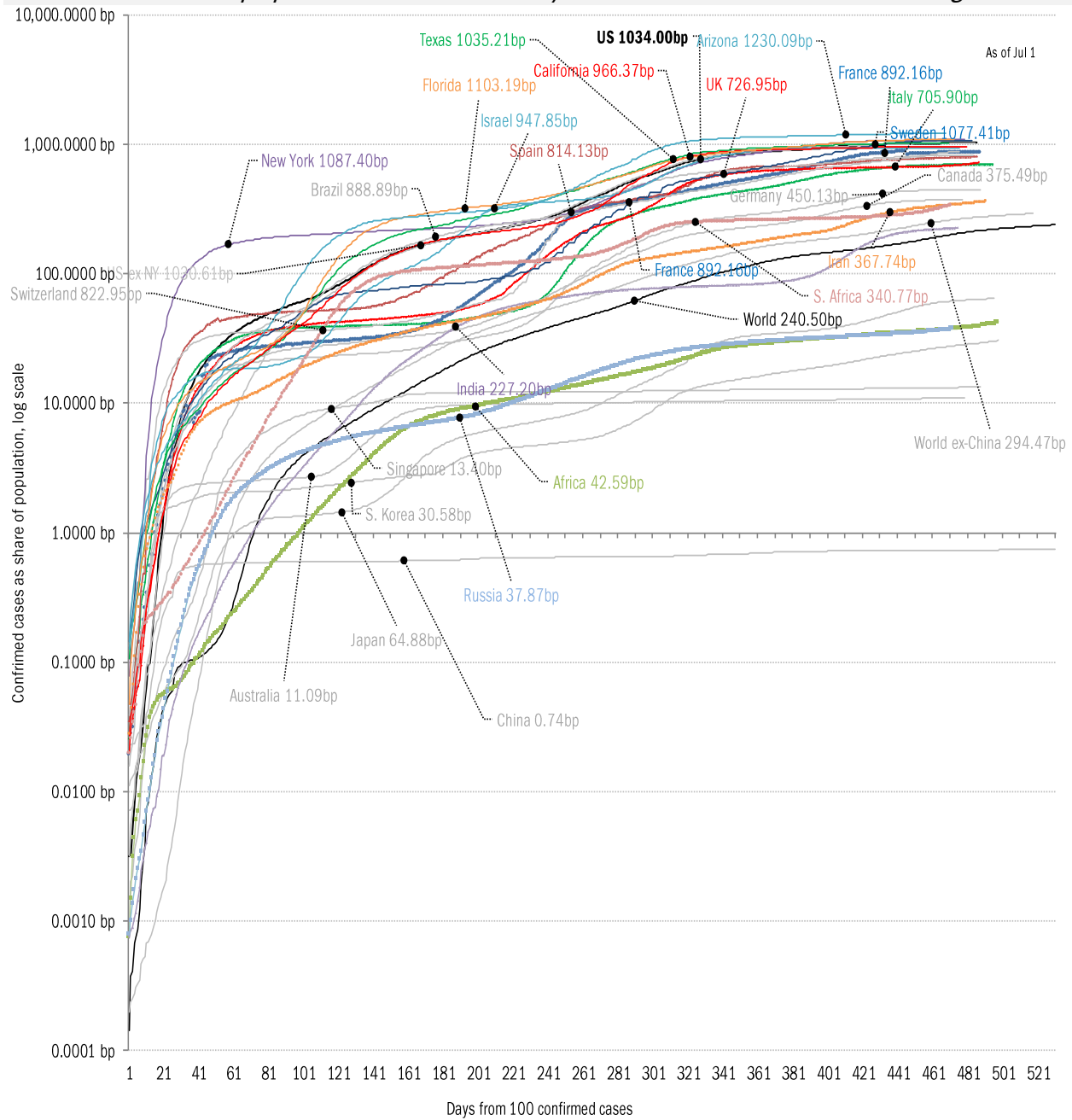
## Meme of the day



*'Cheer up. Very soon it will be the end of not going to school and the start of not going on holiday'*

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

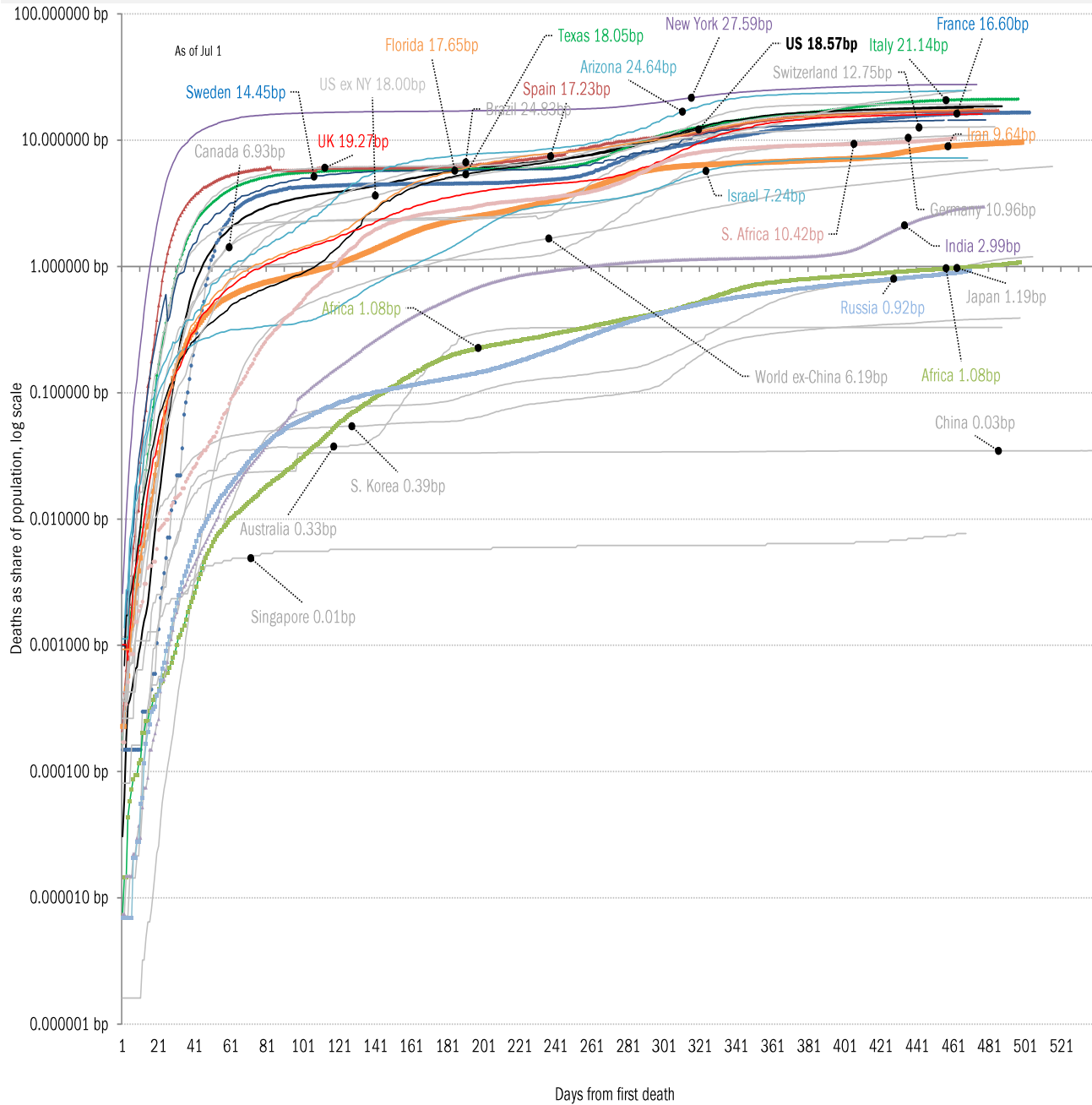
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



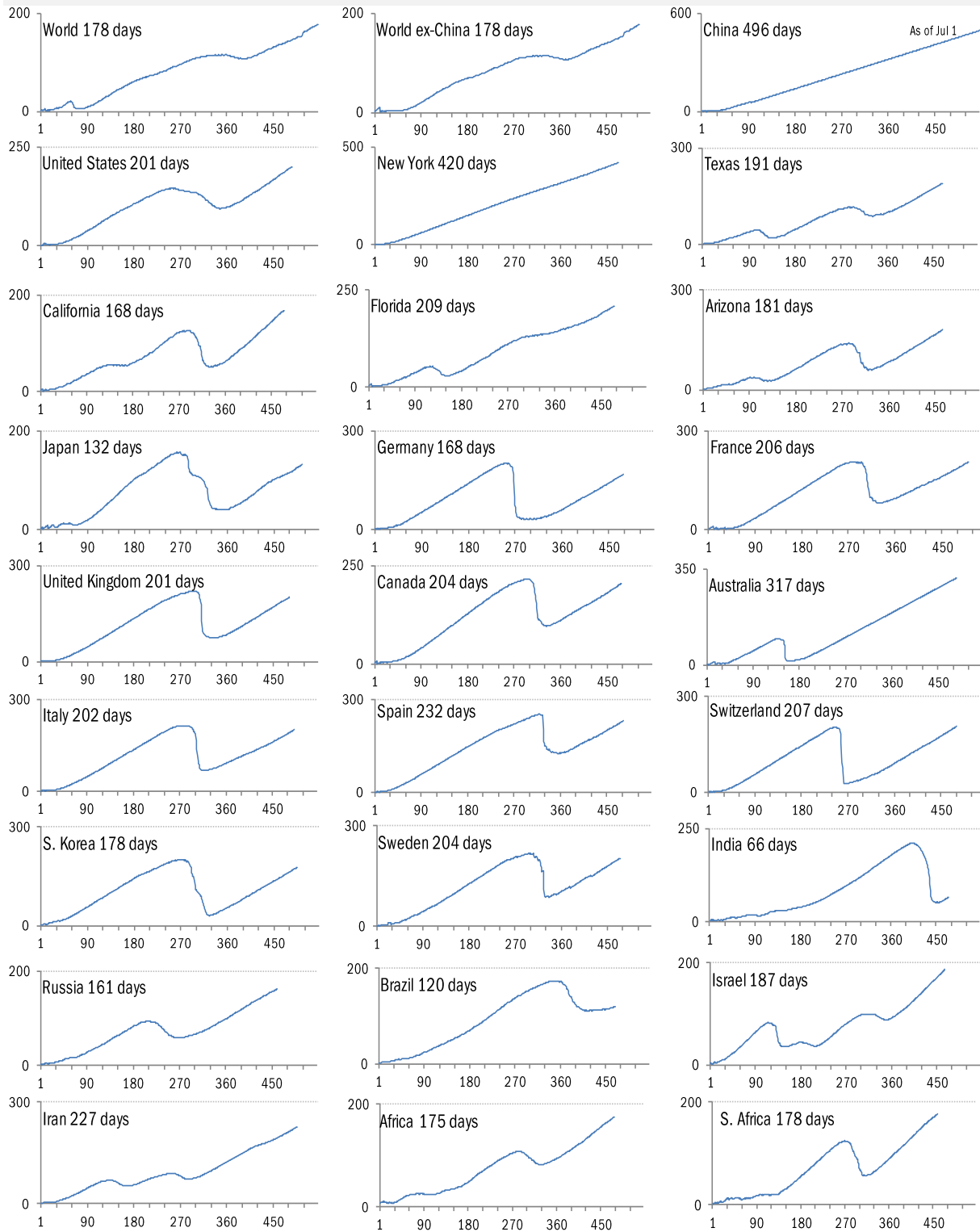
Source: [Johns Hopkins](#), TrendMacro calculations



# "Exponential"? Our most reliable evidence of the rate of spread of Covid-19

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

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

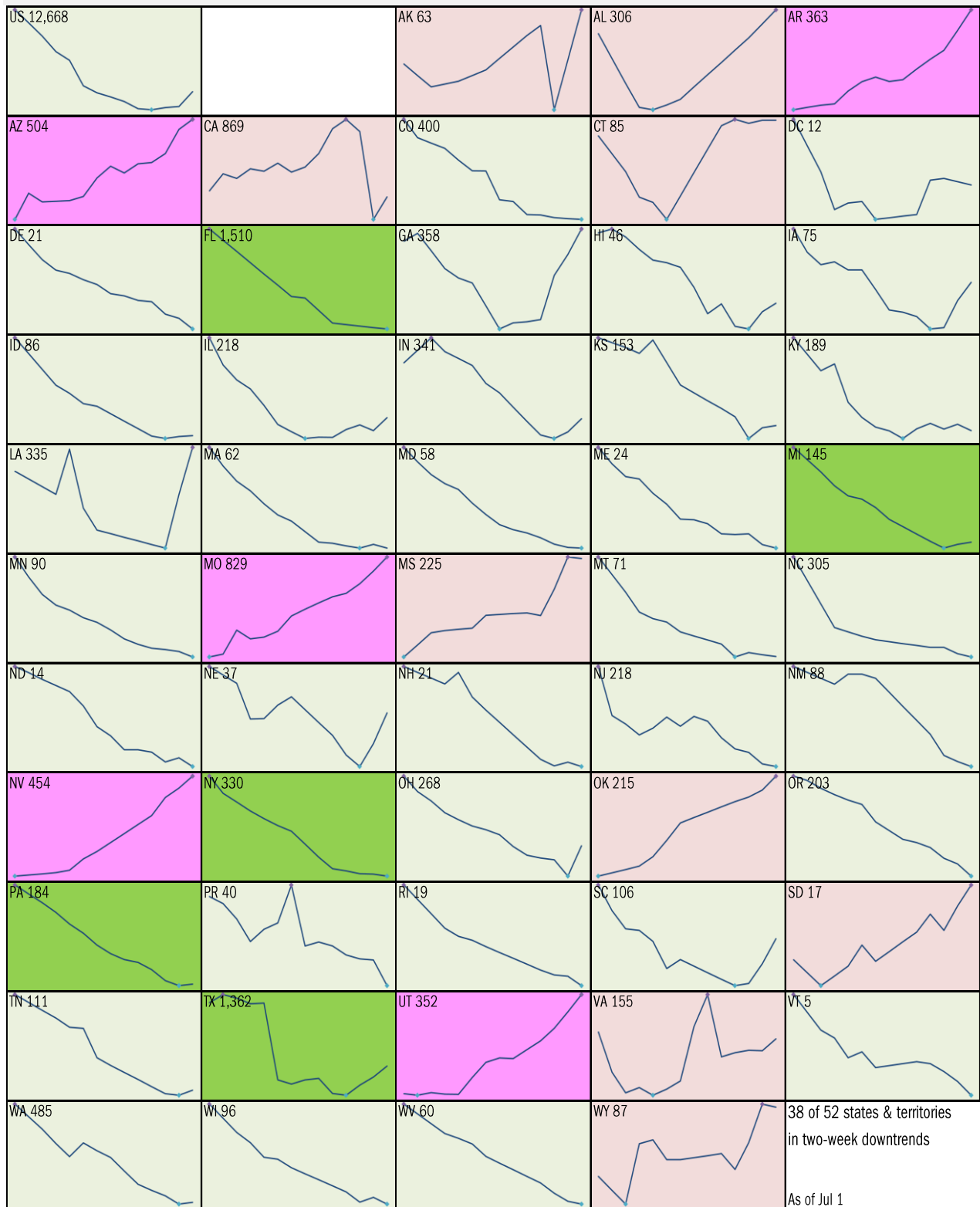


Source: [Johns Hopkins](#), TrendMacro calculations

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

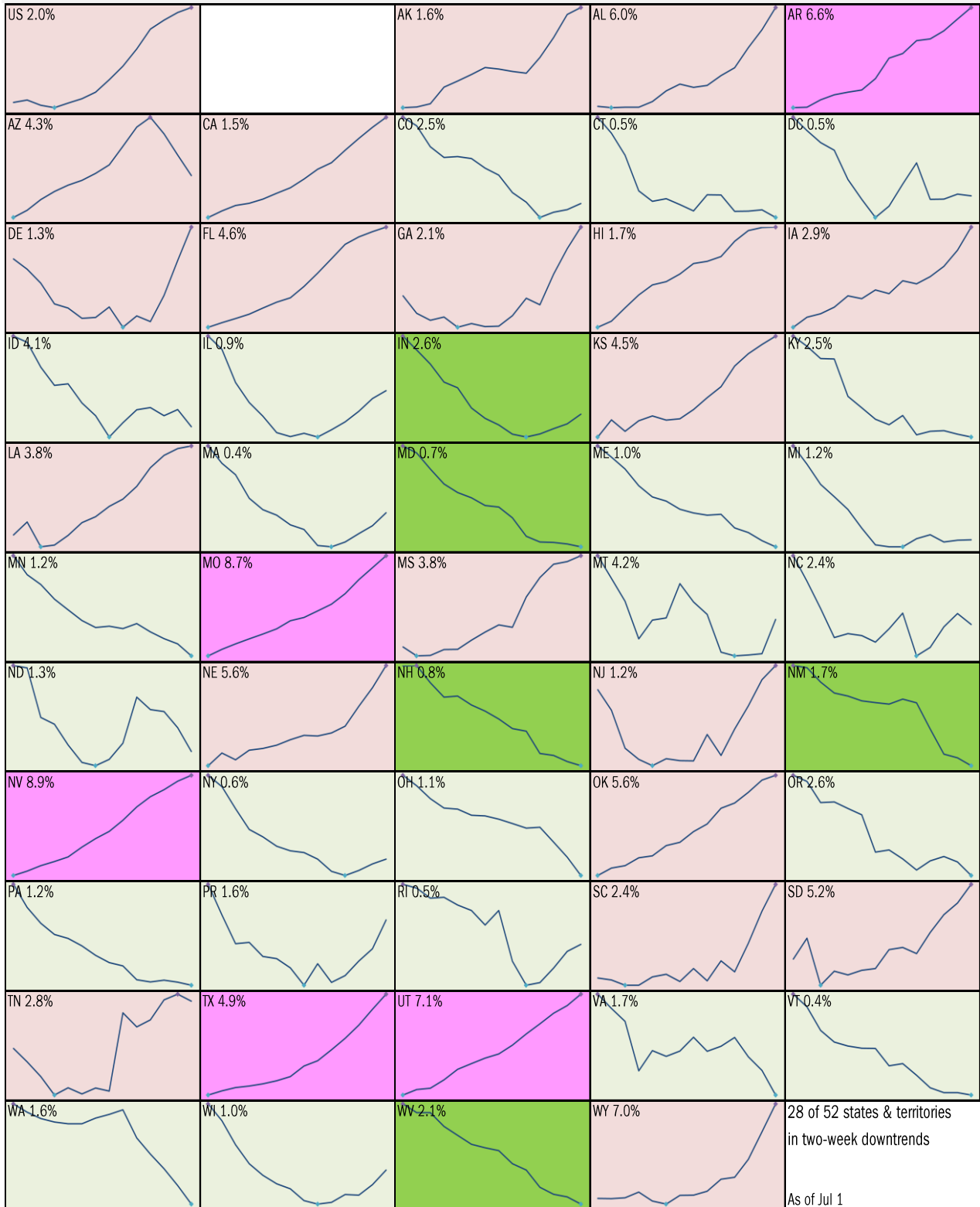


Source: [Johns Hopkins](#), TrendMacro calculations

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

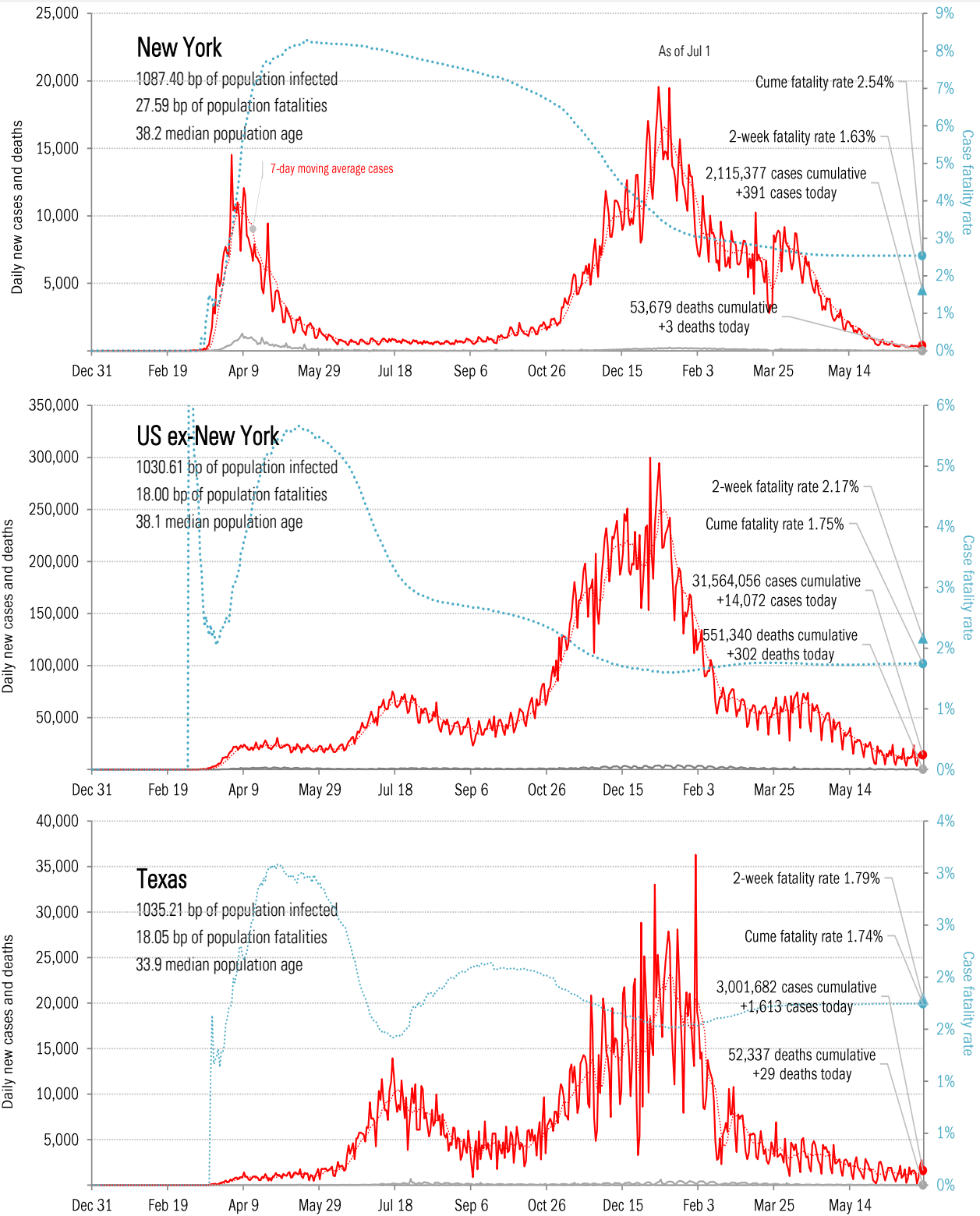
14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

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



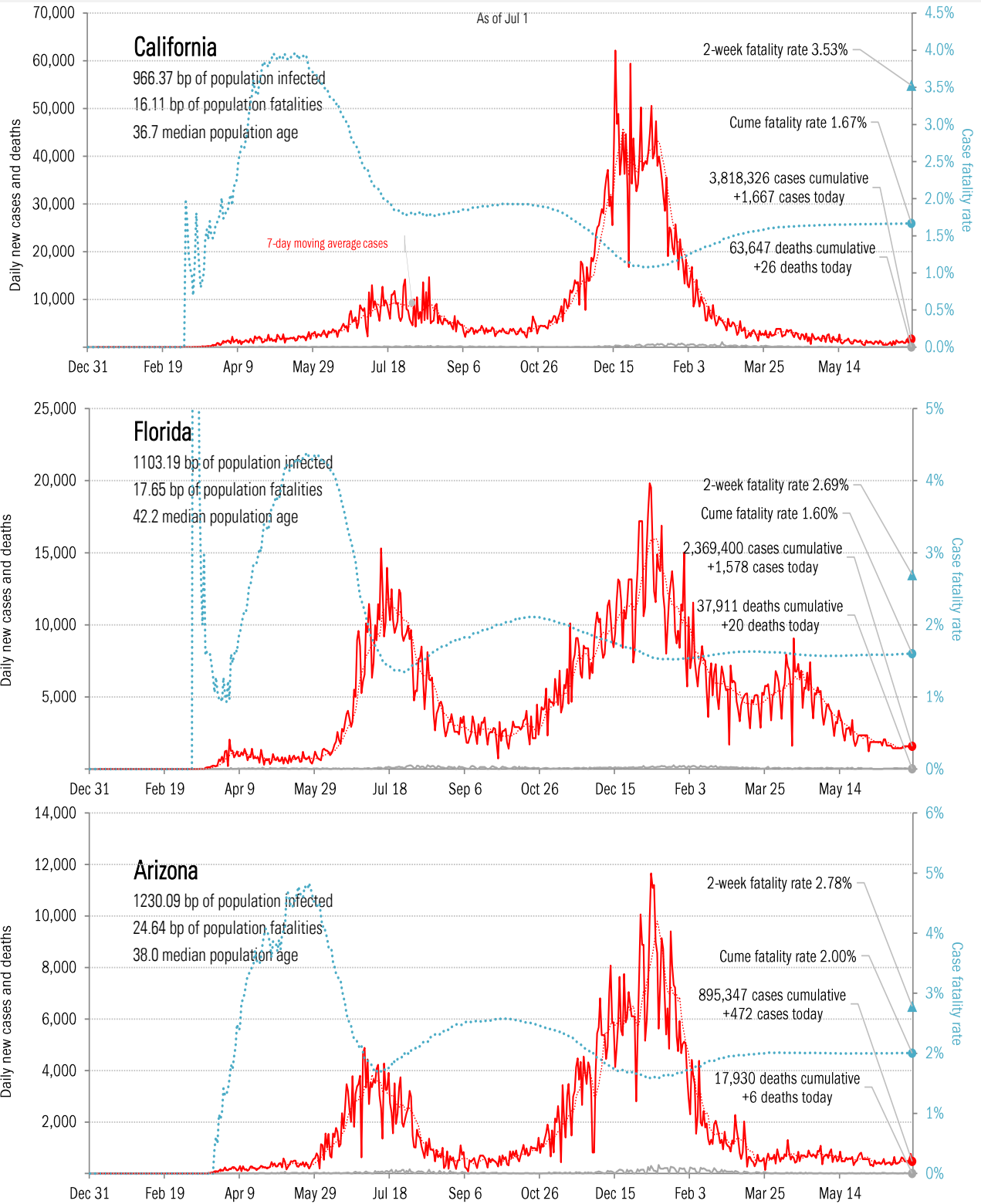
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



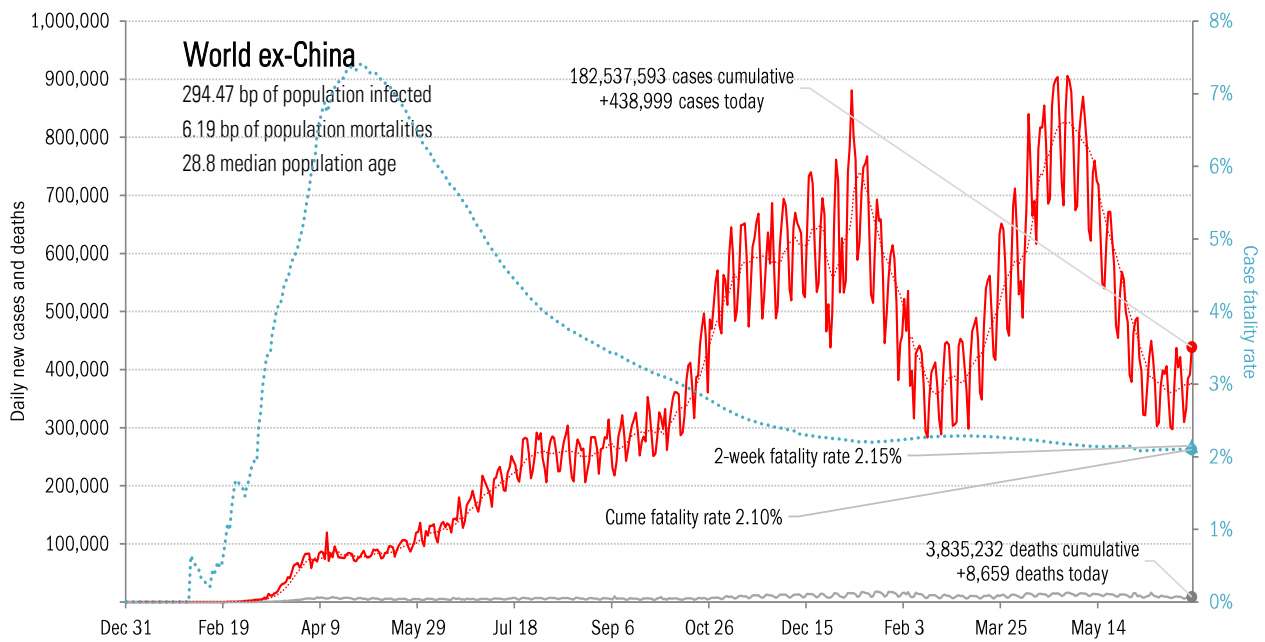
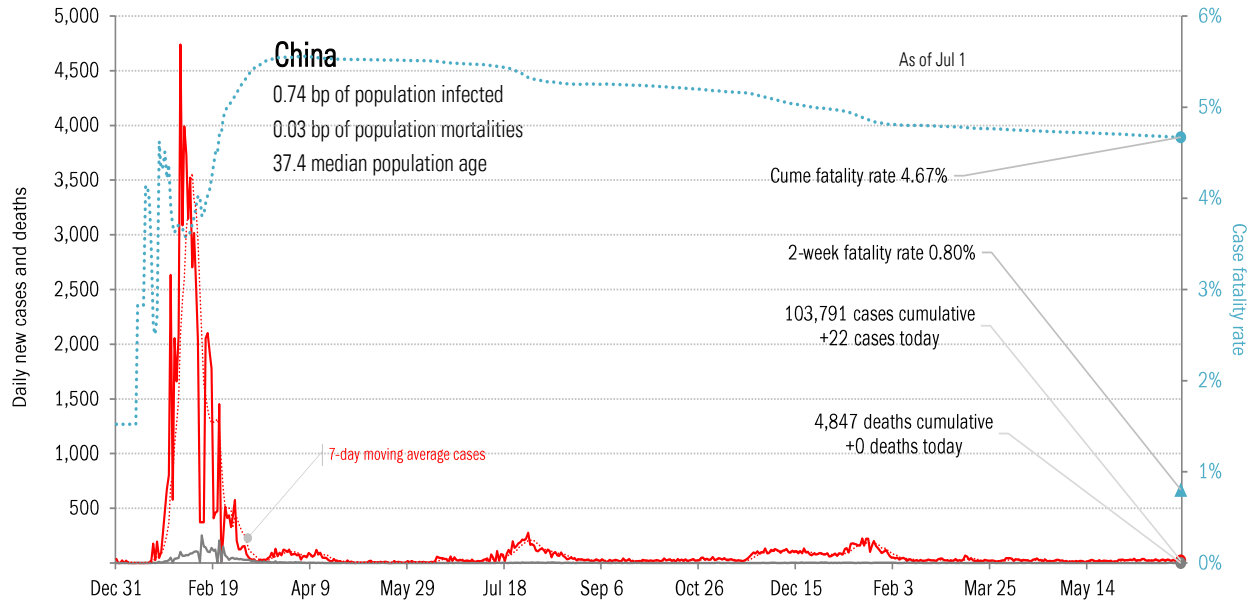
Source: [Johns Hopkins](#), TrendMacro calculations

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



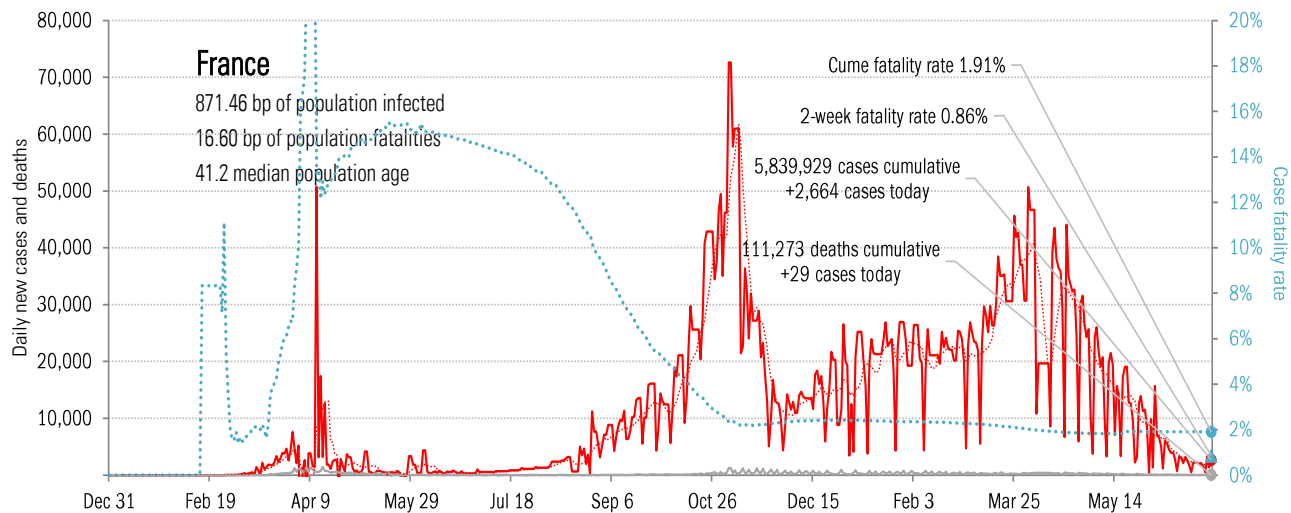
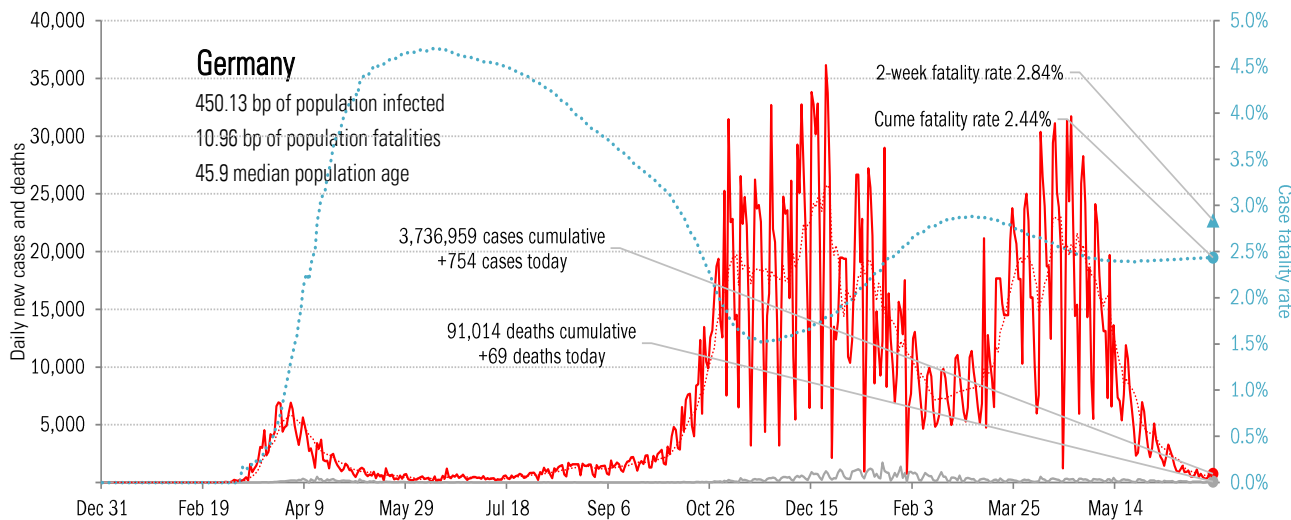
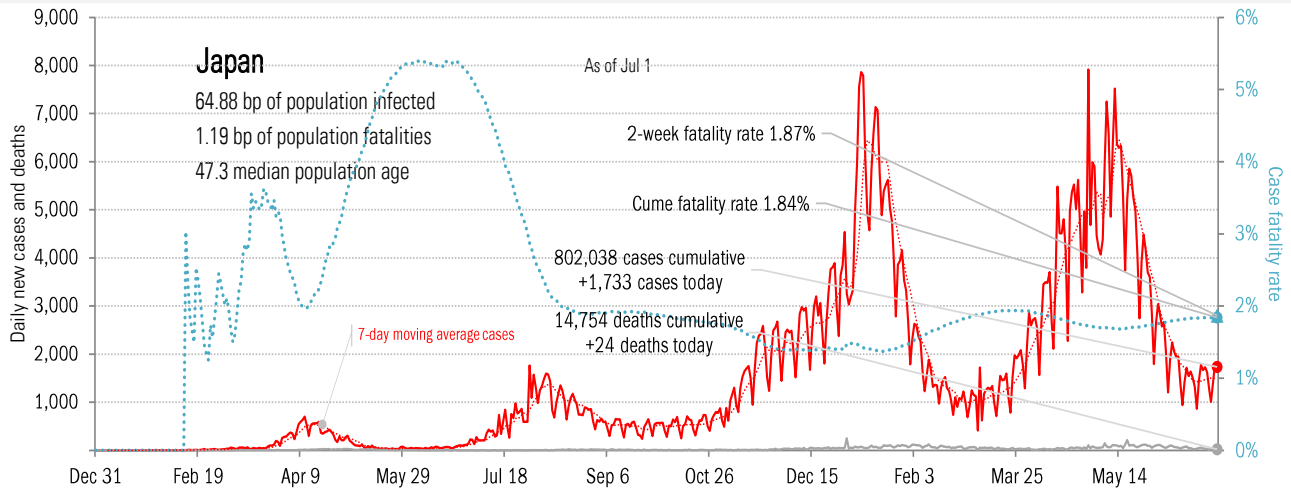
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



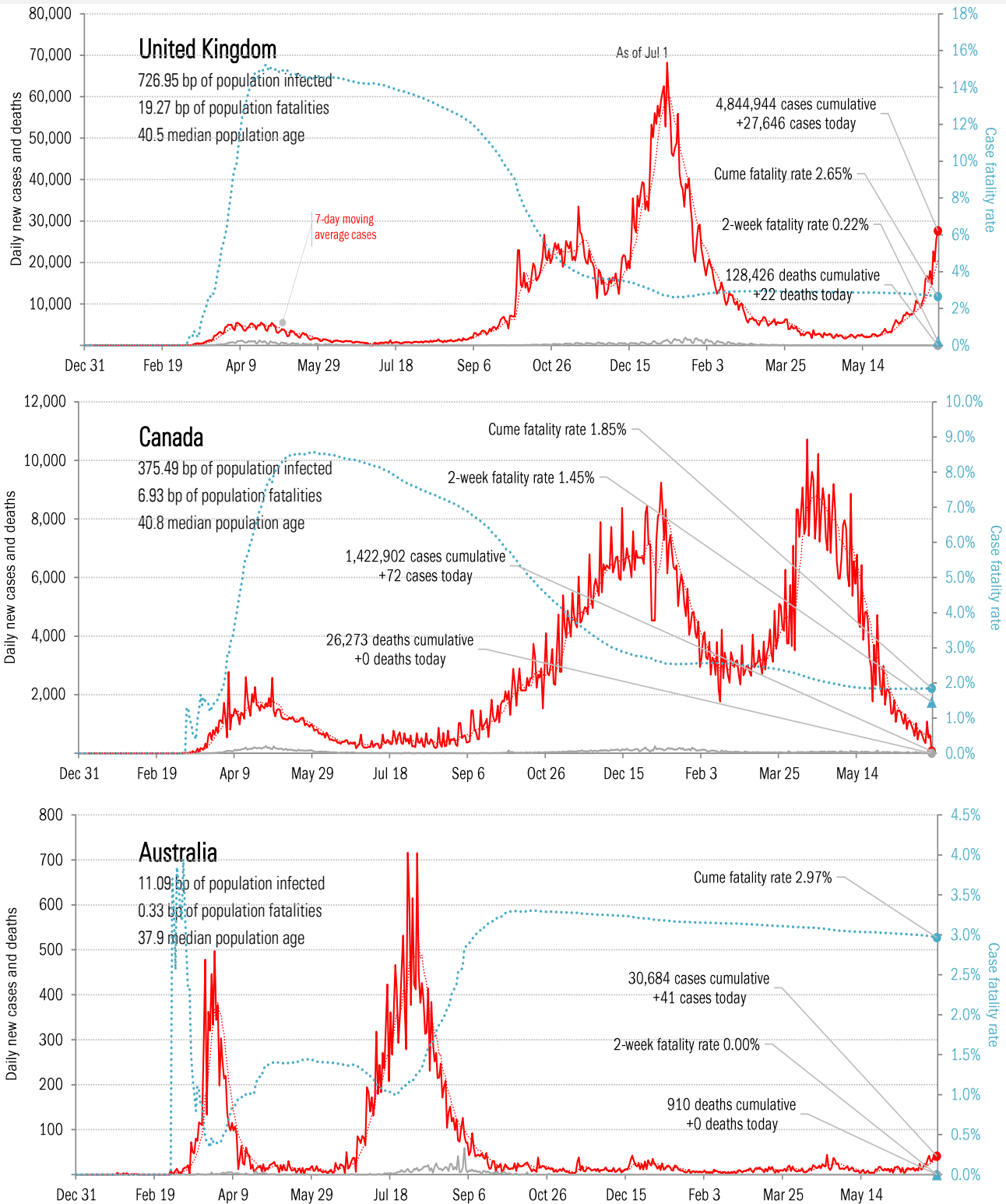
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



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

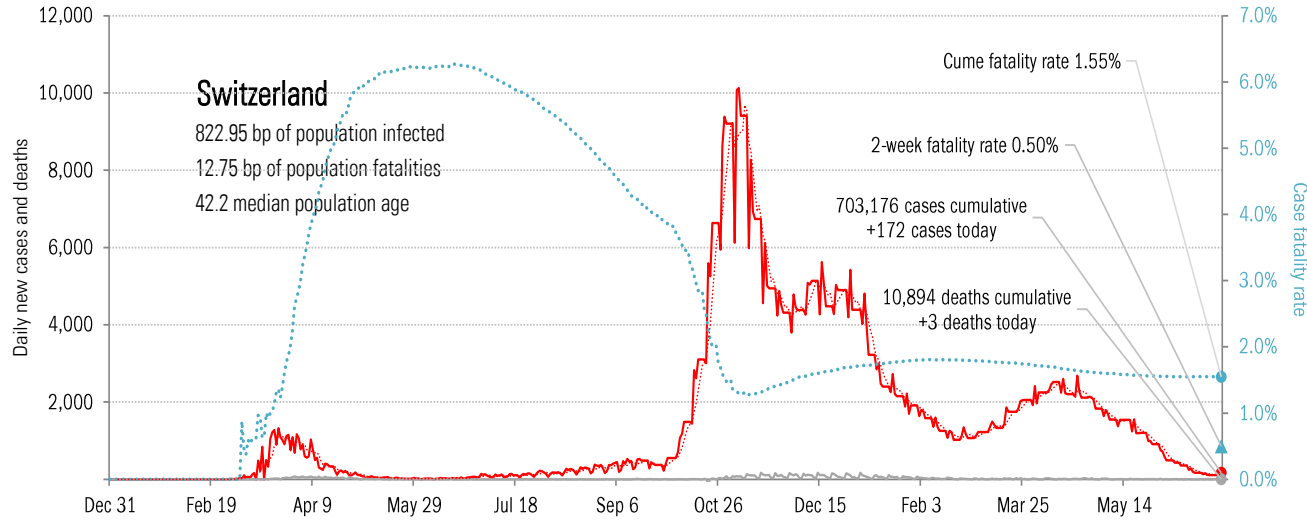
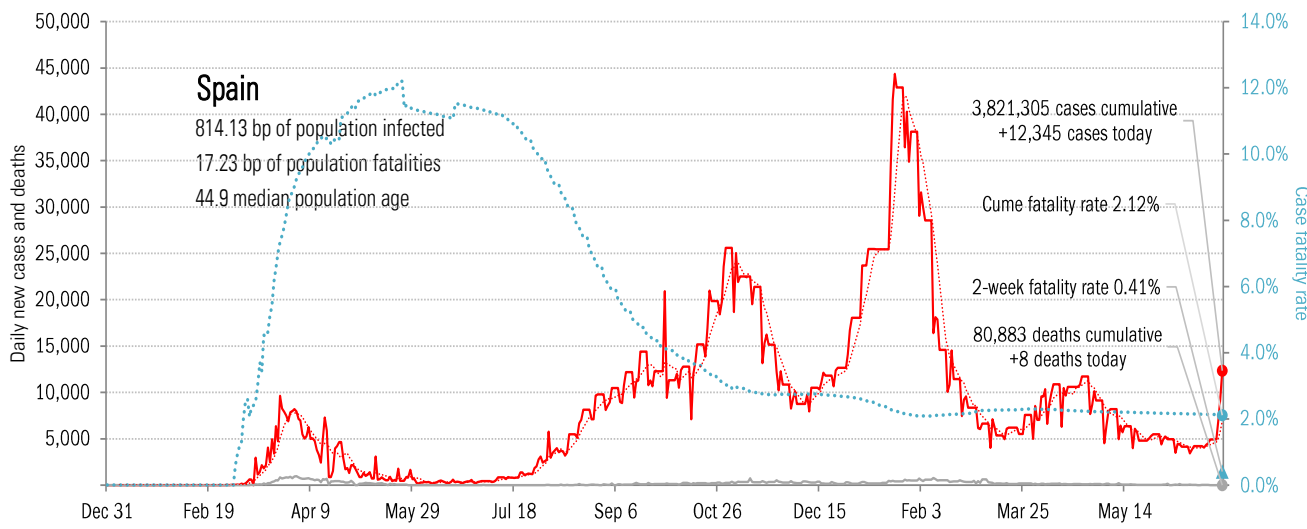
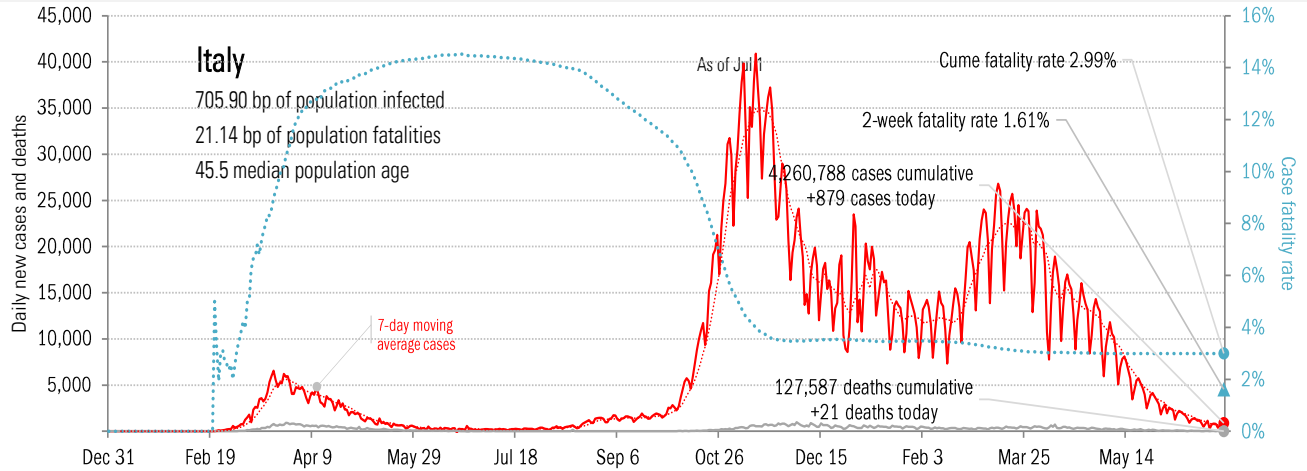
# Impact in The Anglosphere



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

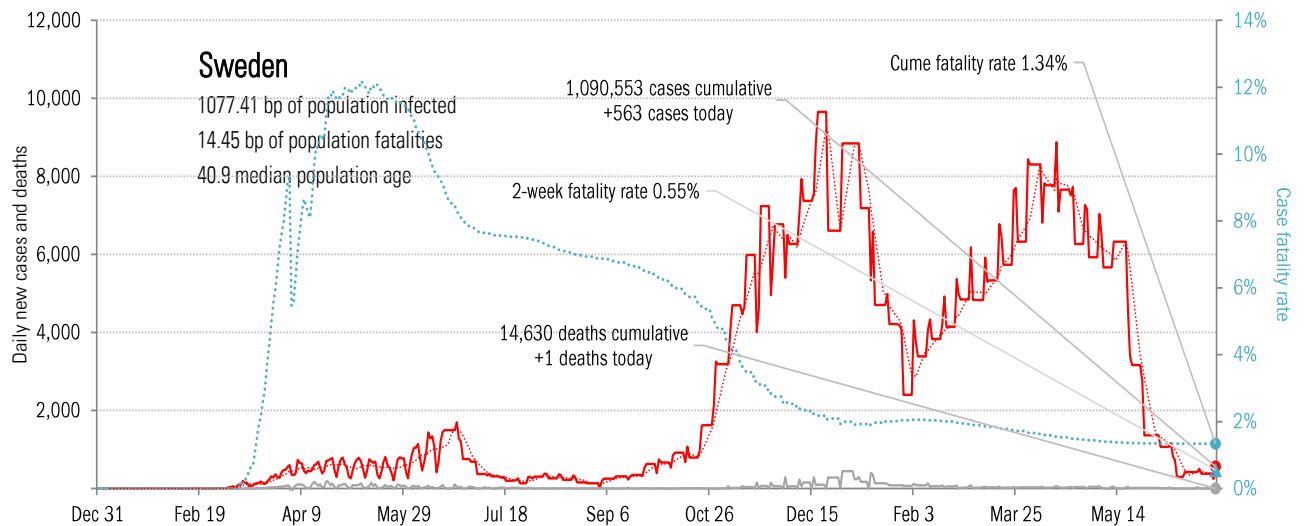
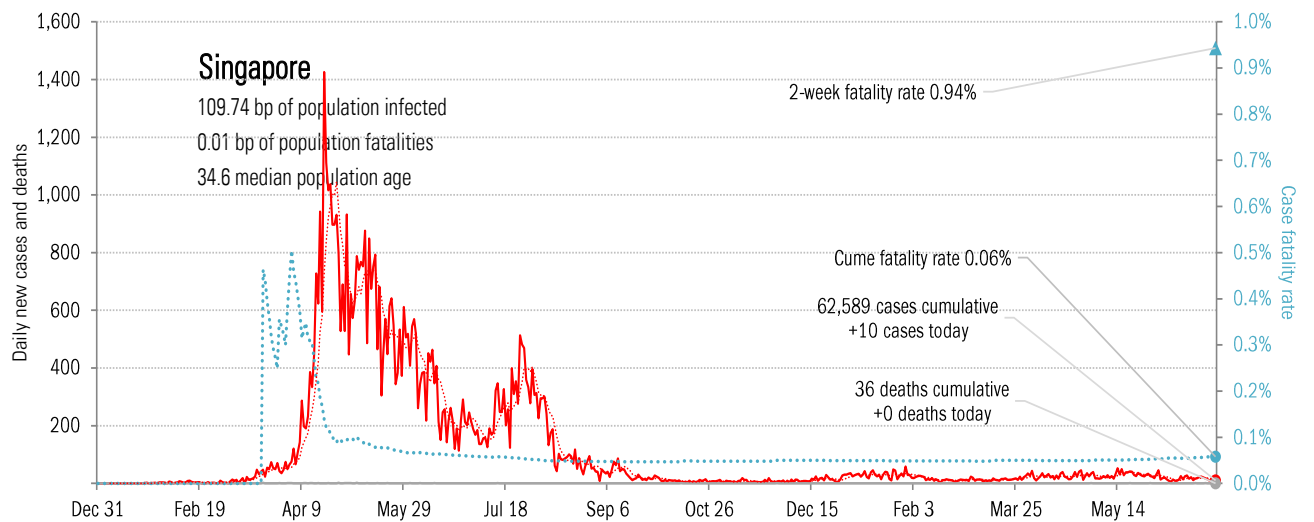
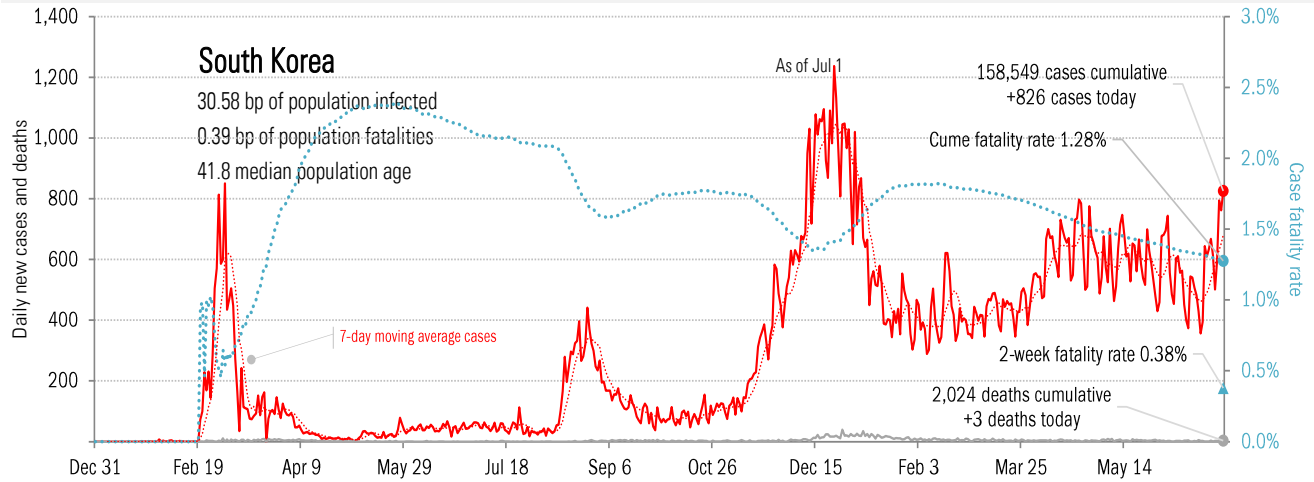


# Impact in continental Europe



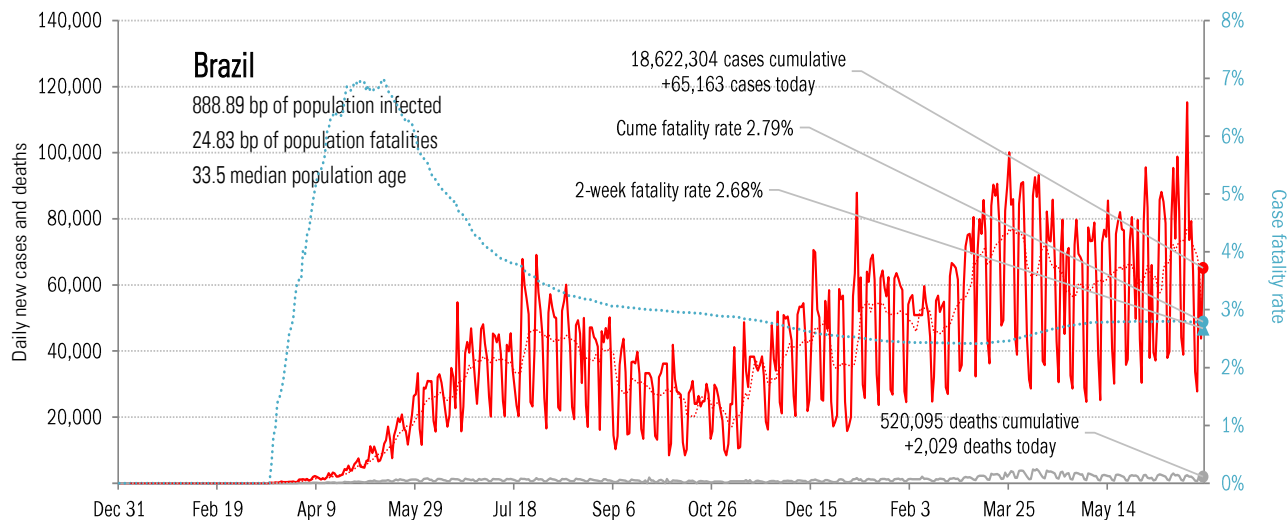
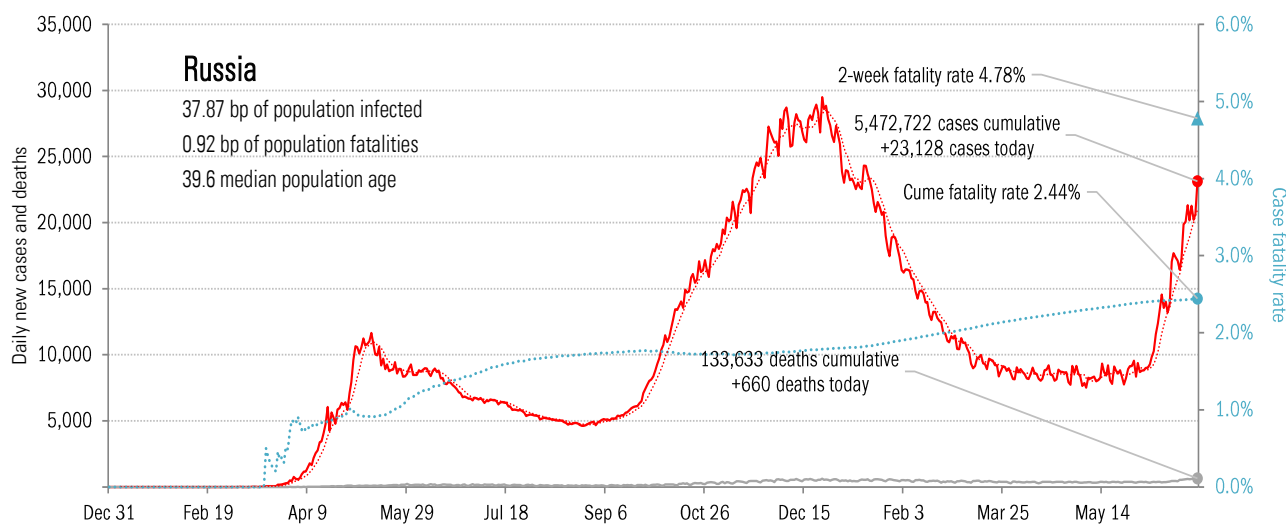
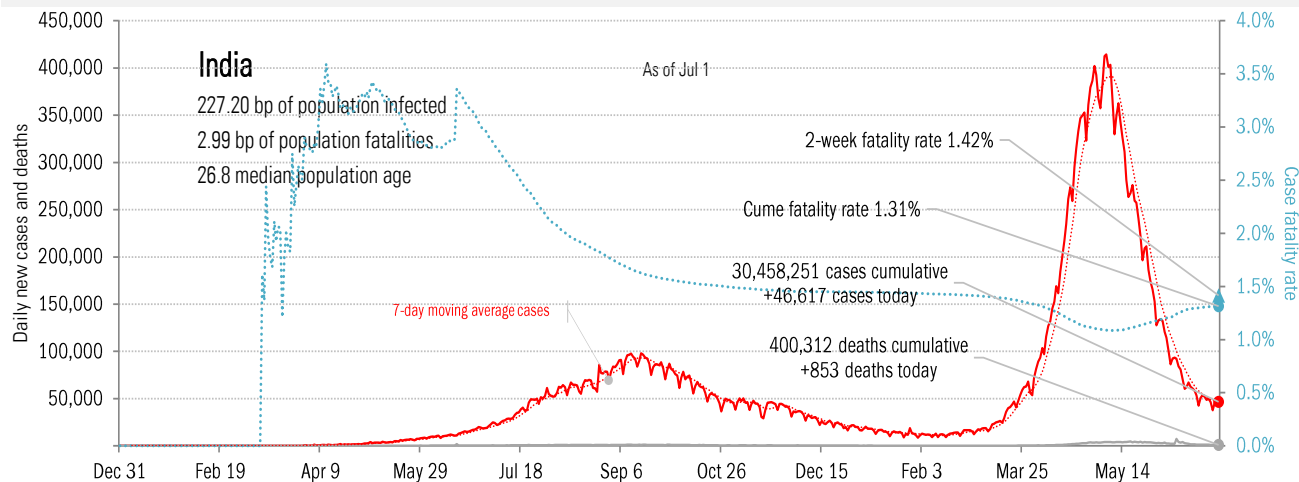
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



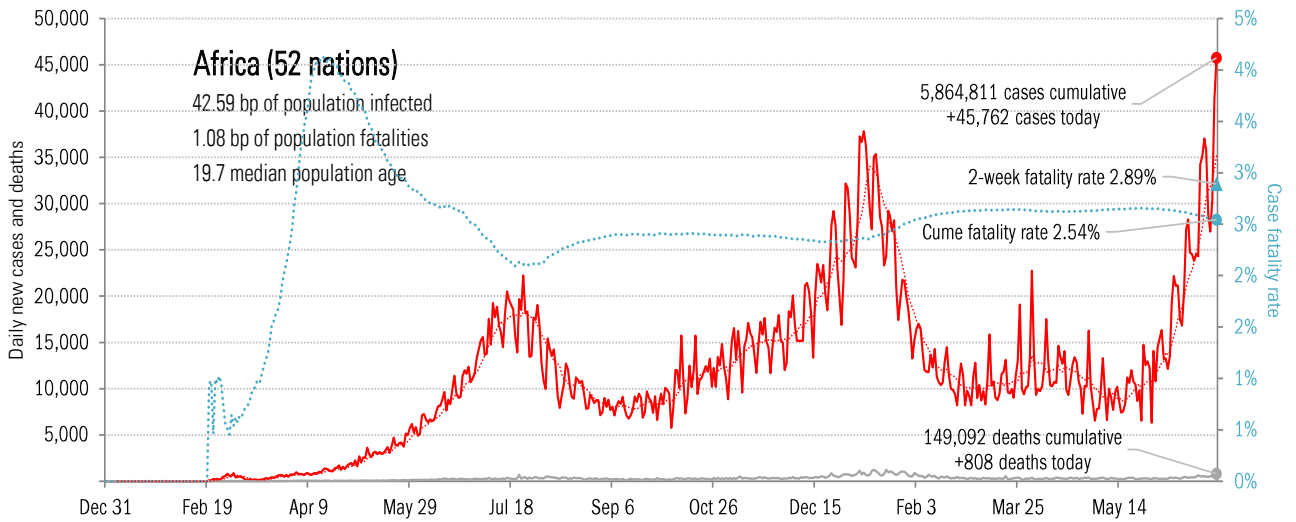
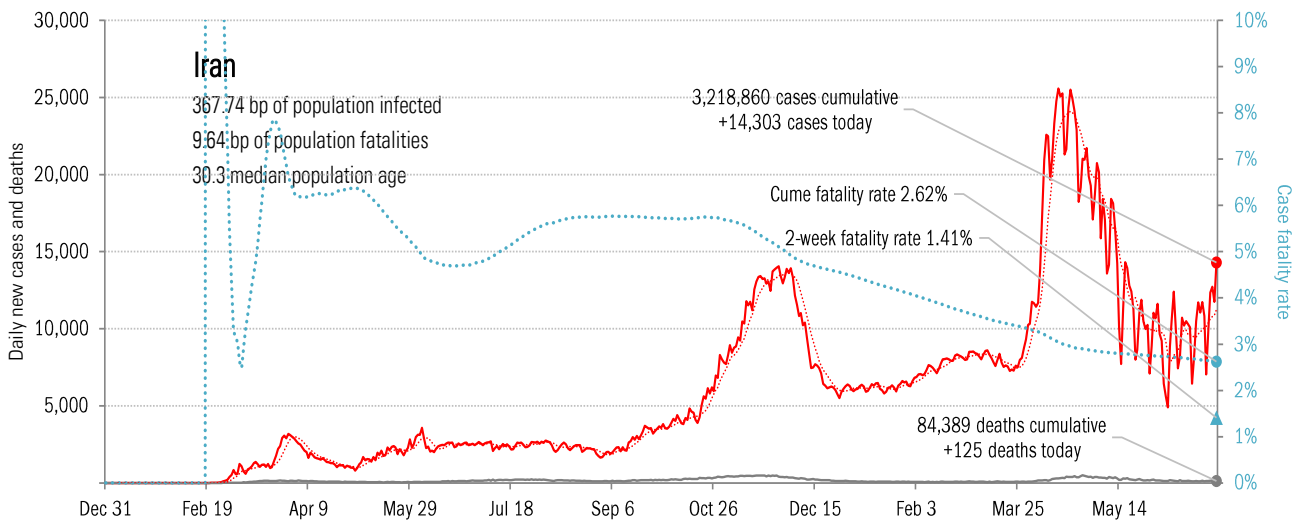
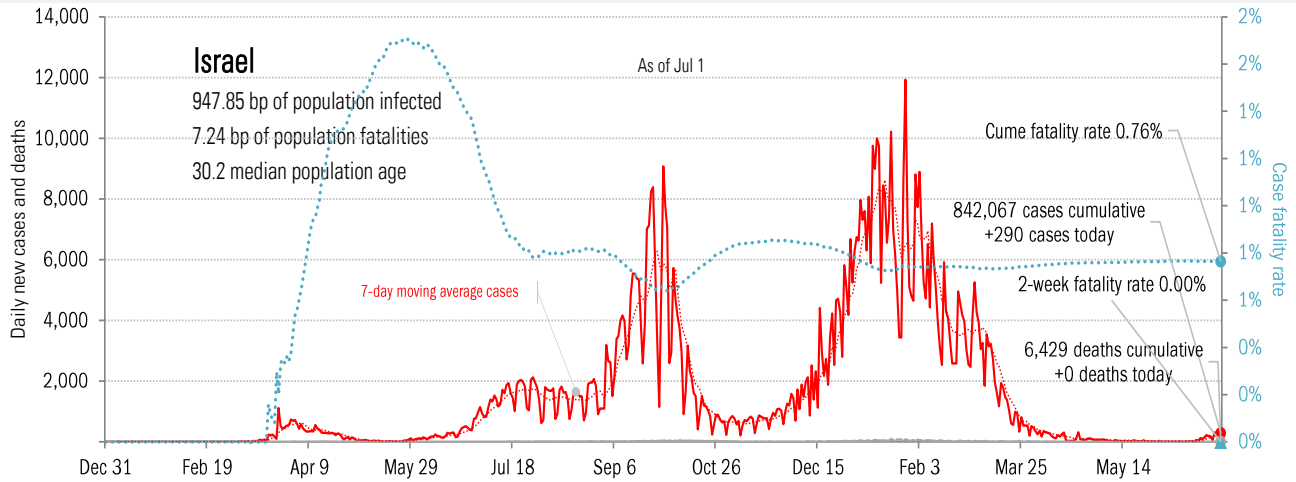
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



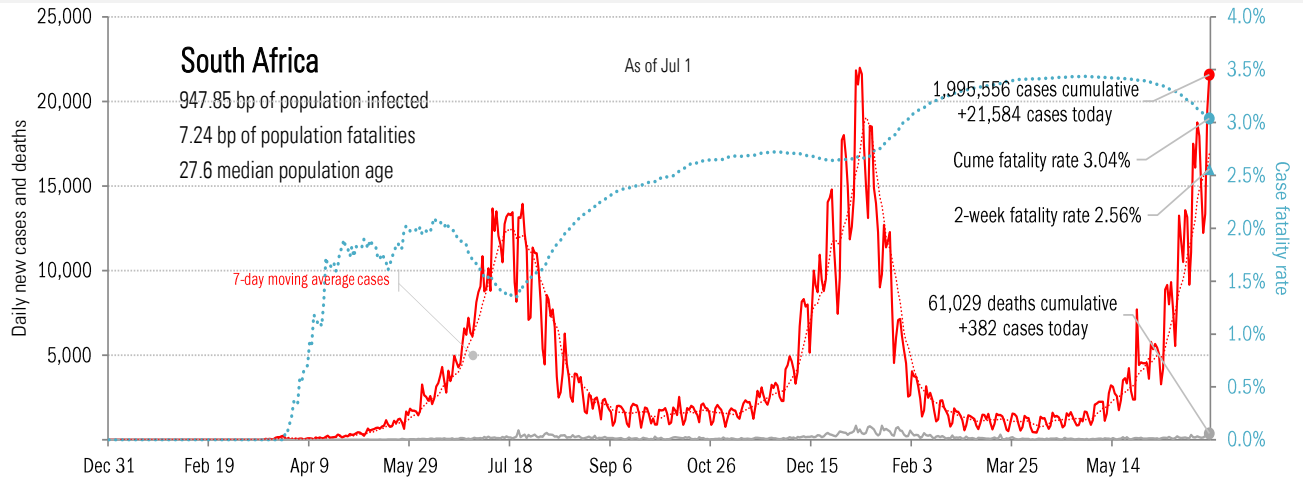
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

# Impact in Africa, continued



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