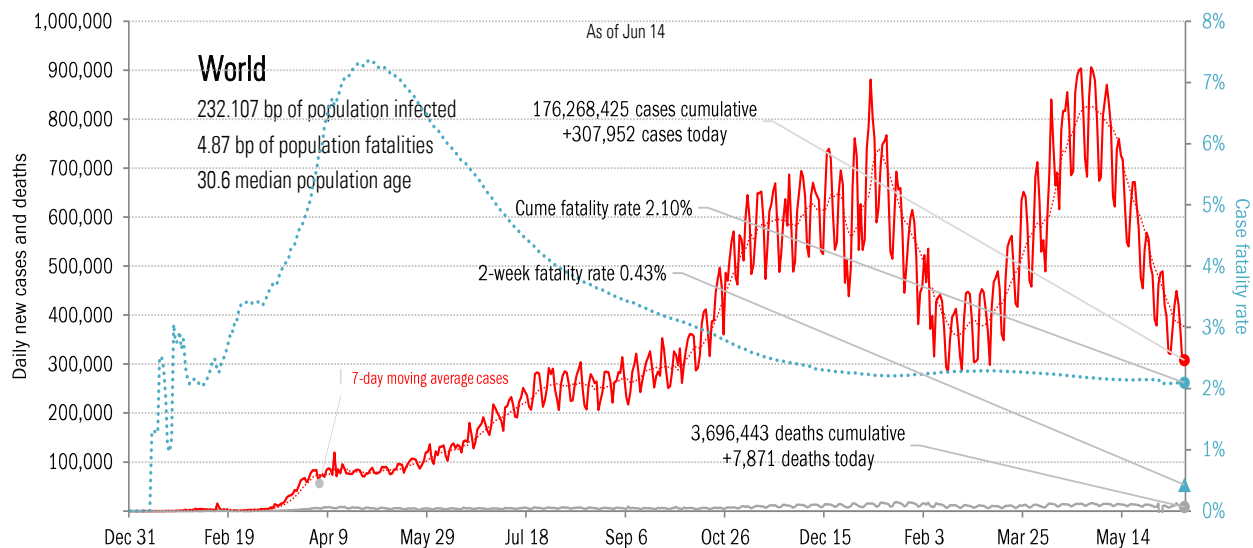
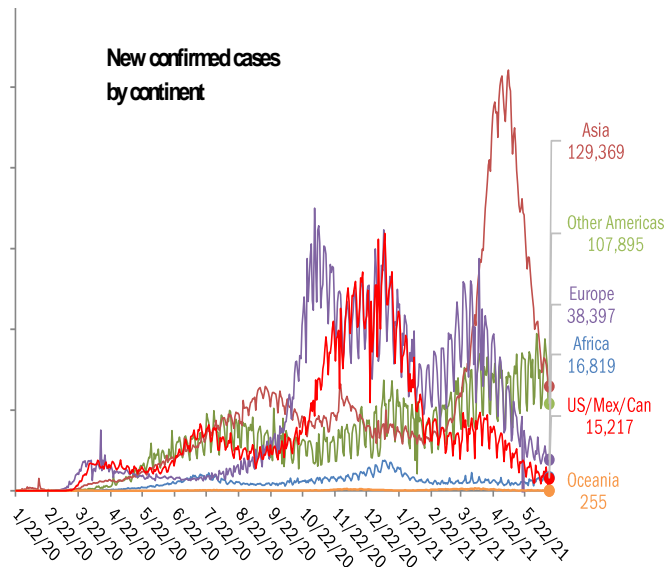


## Data Insights: Covid-2019 Monitor

Tuesday, June 15, 2021

### The global scorecard

The worst ten countries			
New cases		New Deaths	
India	+60,471	India	+2,726
Brazil	+39,846	Brazil	+827
Colombia	+24,376	Argentina	+686
Argentina	+21,292	Colombia	+588
Russia	+13,550	Russia	+367
United States	+12,710	Indonesia	+237
Iran	+10,715	United States	+170
Indonesia	+8,189	Sri Lanka	+124
Spain	+8,167	Paraguay	+120
United Kingdom	+7,621	Iran	+119
<b>+206,937</b>		<b>+5,964</b>	
World	+307,952	World	+7,871
Top ten	67%	Top ten	76%



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

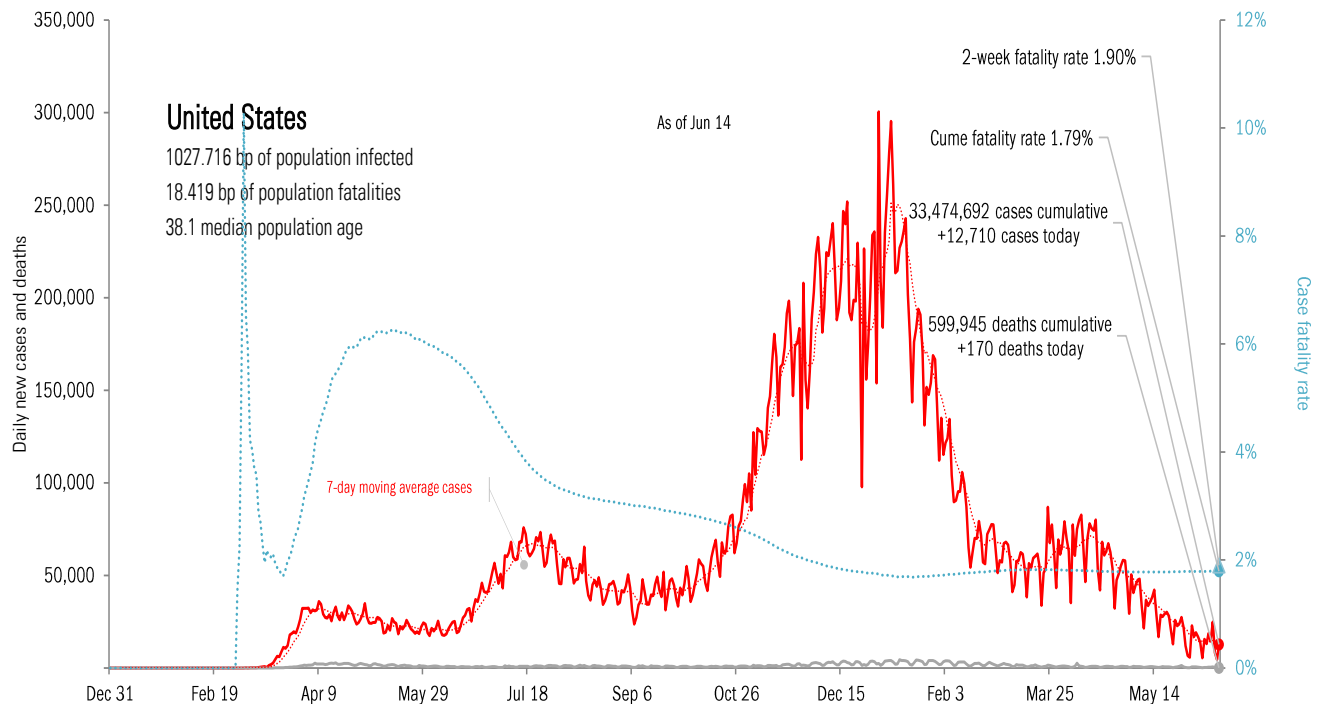
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use			
CA	+1,366		NC	+27		GA	+95		CA	3,803,094		CA	63,204		TX	250,936		R	90%		MO	12%	
NC	+1,228		KS	+18		MO	+21		TX	2,978,351		NY	53,558		CA	238,084		MA	85%		CO	12%	
TX	+978		CA	+11		MS	+18		FL	2,344,321		TX	51,940		FL	183,316		PA	82%		WA	11%	
WA	+566		PA	+11		CK	+16		NY	2,109,677		FL	37,265		NY	135,534		MO	82%		WY	11%	
LA	+554		TX	+11		UT	+14		IL	1,387,679		PA	27,490		GA	108,115		MD	81%		ID	11%	
AL	+550		VA	+11		IA	+8		PA	1,213,350		NJ	26,334	#N/A	0		MI	80%		UT	9%		
CK	+490		SC	+10		NM	+6		GA	1,128,870		IL	25,490		CH	177,797		GA	80%		MS	9%	
NV	+439		IL	+9		NE	+5		CH	1,107,225		GA	21,158		IL	81,810		MIN	80%		AR	9%	
IN	+435		MI	+9		ME	+4		NJ	1,019,794		MI	20,787		KY	76,650		CT	79%		ME	9%	
AZ	+394		NY	+9		FR	+4		NC	1,008,926		CH	20,091		MI	72,618		DC	79%		TX	8%	
+6,990			+126			+191			18,101,287			347,317			1,324,860								
All states	+12,710		+170			+17			All states	33,474,692		599,945			2,358,961			All states	70%		67%		
Top ten	55%		74%			1124%			Top ten	54%		58%			56%			Median	72%		6%		

Some states not reporting

## Five most improved US states

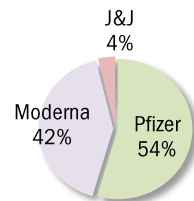
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CO	-236	WA	-33	WA	-39	FL	+70 bp
NJ	-225	AZ	-7	CA	-38	IL	+70 bp
IL	-130	TX	-6	MD	-36	IN	+70 bp
MO	-94	MN	-4	AR	-18	VT	+70 bp
CH	-73	IA	-3	ND	-9	DC	+60 bp



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	386,937,695				+0.000 million	US	43.3%	52.1%
Doses administered	319,980,888				+1.343 million	UK	44.2%	61.4%
Administered	One dose	% Pop	Immune	% pop	New immune today	France	21.3%	45.0%
Total population	178,798,152	54%	148,945,093	45%	+1.009 million	Spain	27.4%	45.9%
Age 12 to 17	7,610,866	30%	4,435,689	18%	+0.181 million	Germany	26.0%	48.0%
Age 18 to 64	121,940,909	60%	101,173,091	50%	+0.751 million	Italy	23.6%	49.0%
Age 65 and over	49,068,481	90%	43,275,362	79%	+0.072 million	Australia	2.7%	20.3%



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 **118 days** by Oct 9, 2021  
 69.1% of population >18 immunized  
 14.1% previously tested positive  
**83.2%** vs 60% adult herd immunity\*

Global data differs from sources, timing

AK
60.1%
47.4%
41.1%

ME
71.5%
65.0%
58.0%

WI	VT	NH								
54.3%	77.0%	69.8%								
52.4%	72.4%	61.1%								
46.8%	61.9%	53.2%								
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%		
59.1%	38.6%	46.6%	43.0%	55.8%	57.2%	50.2%	58.0%	68.6%		
50.7%	34.5%	40.6%	37.7%	48.9%	42.9%	44.7%	50.3%	58.0%		
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%
56.9%	47.4%	38.2%	49.3%	50.4%	43.2%	47.2%	60.9%	62.6%	65.2%	62.9%
49.5%	39.1%	33.0%	43.9%	45.9%	38.0%	42.3%	47.0%	52.4%	57.2%	55.4%
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%	
59.0%	46.7%	56.1%	49.6%	43.4%	48.1%	42.2%	57.2%	59.5%	56.5%	
46.6%	34.7%	48.3%	44.2%	36.5%	40.8%	35.7%	48.4%	52.0%	46.3%	
AZ	NM	KS	AR	TN	NC	SC	DC			
57.5%	58.6%	54.9%	49.4%	48.1%	58.0%	53.4%	78.3%			
47.9%	59.3%	47.9%	40.7%	40.3%	44.2%	42.3%	58.9%			
38.0%	50.2%	40.0%	32.6%	33.6%	37.8%	36.0%	49.1%			
OK	LA	MS	AL	GA						
52.9%	45.4%	46.8%	50.6%	54.3%						
42.6%	37.0%	34.9%	37.0%	41.3%						
35.2%	33.0%	28.1%	30.6%	33.9%						
HI	TX	FL	PR							
70.0%	57.0%	60.4%	64.1%							
68.4%	46.2%	51.5%	54.1%							
49.5%	38.1%	42.4%	40.8%							

As of Jun 14

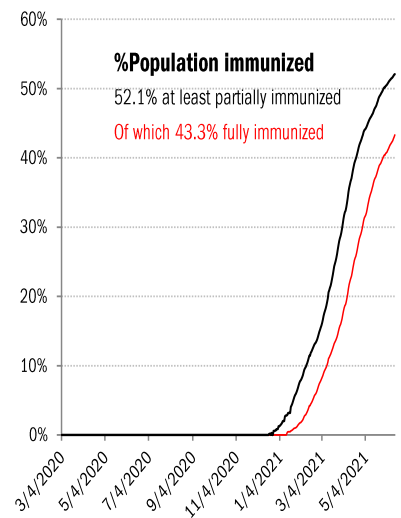
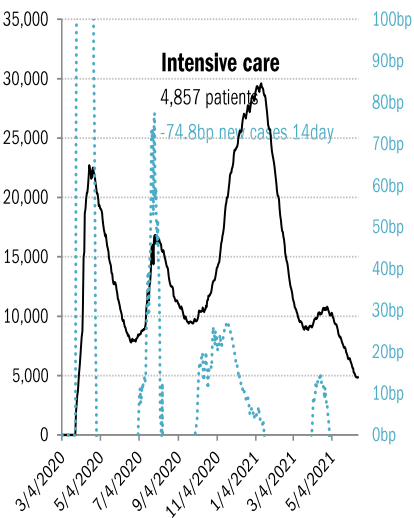
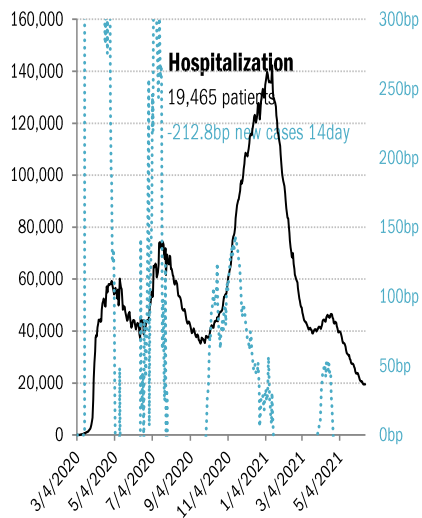
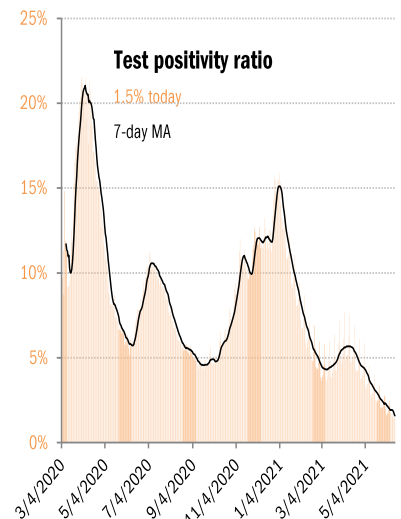
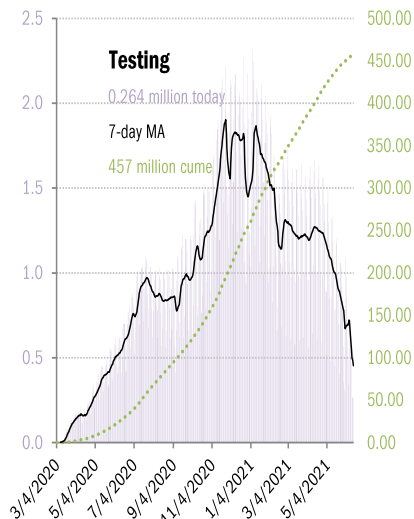
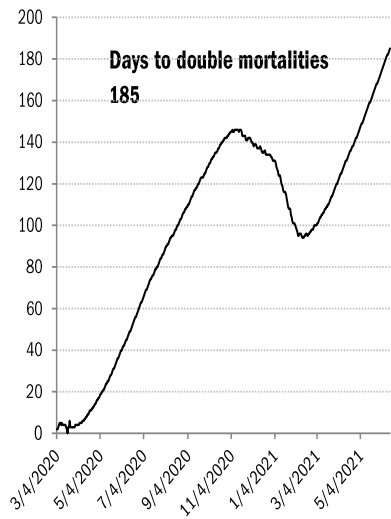
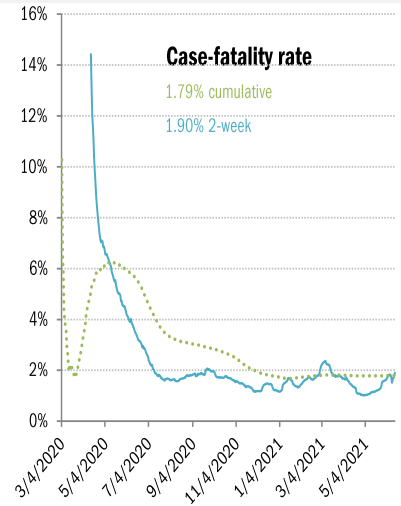
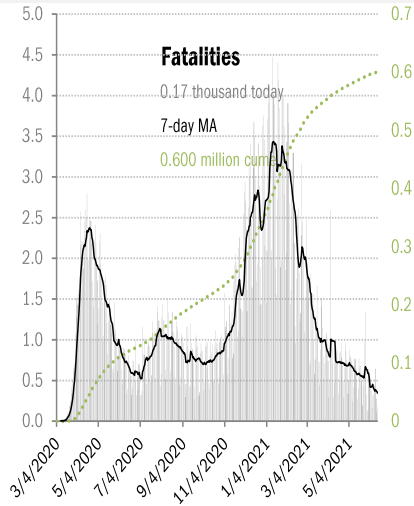
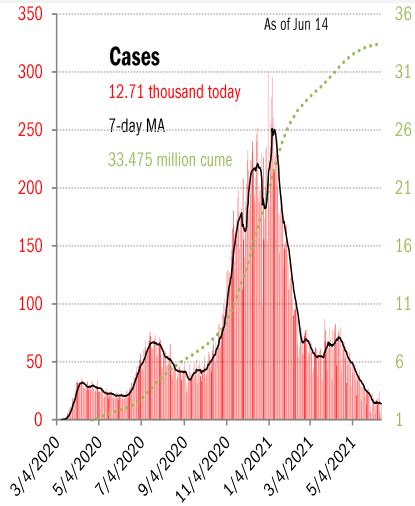
\* Includes persons >18 fully immunized or previously tested positive, no overlap. Disregards untested positives, natural immunities.

\*\* 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

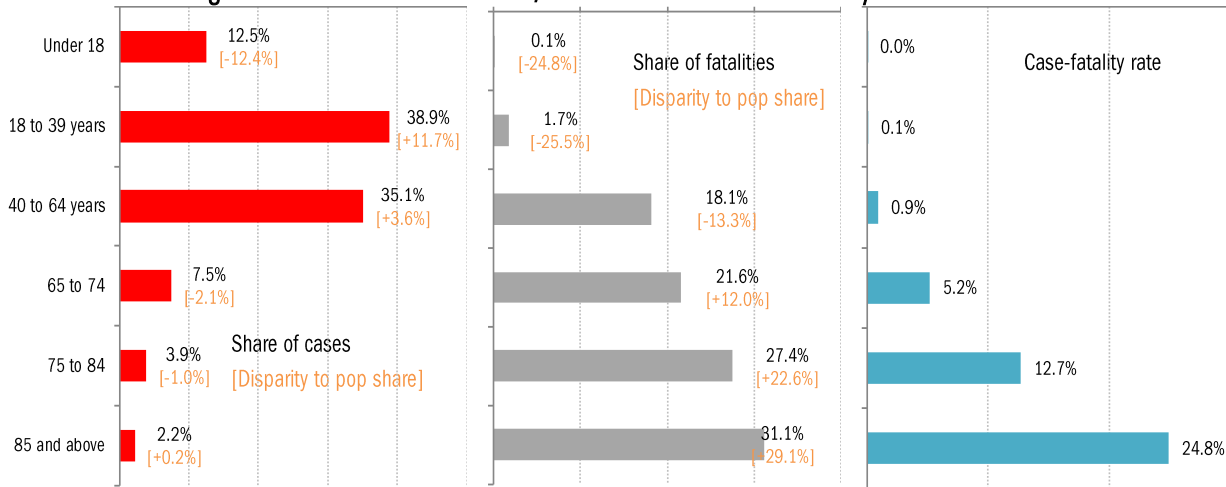
# US deep-dive

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

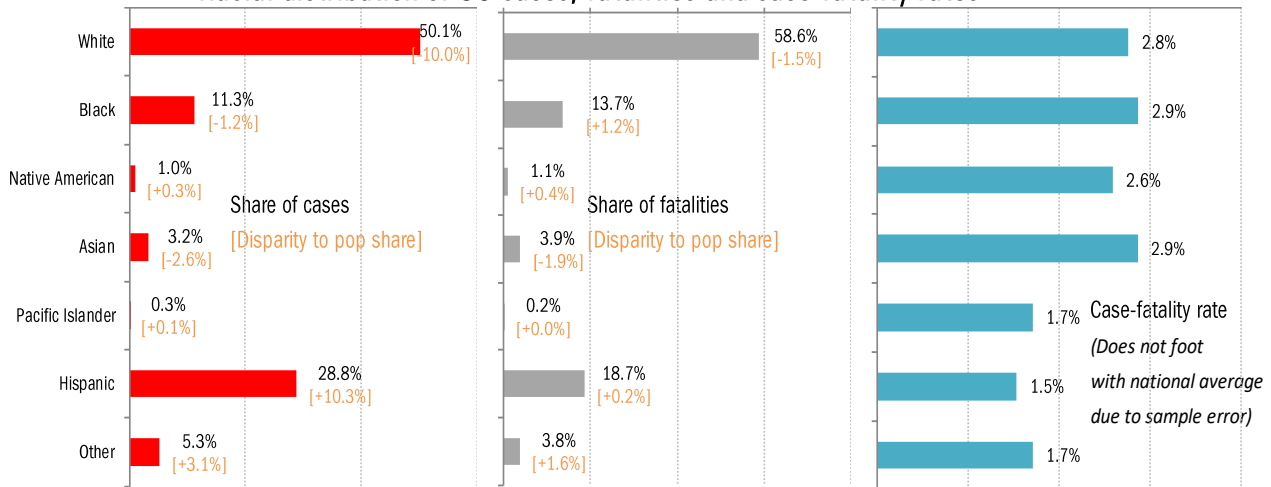


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

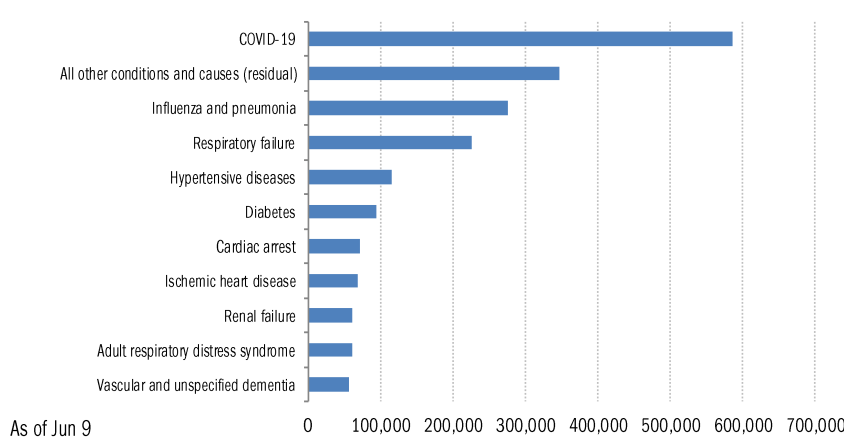


Racial distribution of US cases, fatalities and case-fatality rates



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

### [A Top Virologist in China, at Center of a Pandemic Storm, Speaks Out](#)

Amy Qin and Chris Buckley  
*New York Times*  
June 14, 2021

### [University Vaccine Mandates Violate Medical Ethics](#)

Aaron Kheriaty and Gerard V. Bradley  
*Wall Street Journal*  
June 14, 2021

### [The NHS just changed how they count Covid "cases" ... here's why.](#)

Kit Knightly  
*Off-Guardian*  
June 11, 2021

### [YouTube Bans Sen. Ron Johnson For Discussing Early Treatment Of COVID-19](#)

Mollie Hemingway  
*The Federalist*  
June 11, 2021

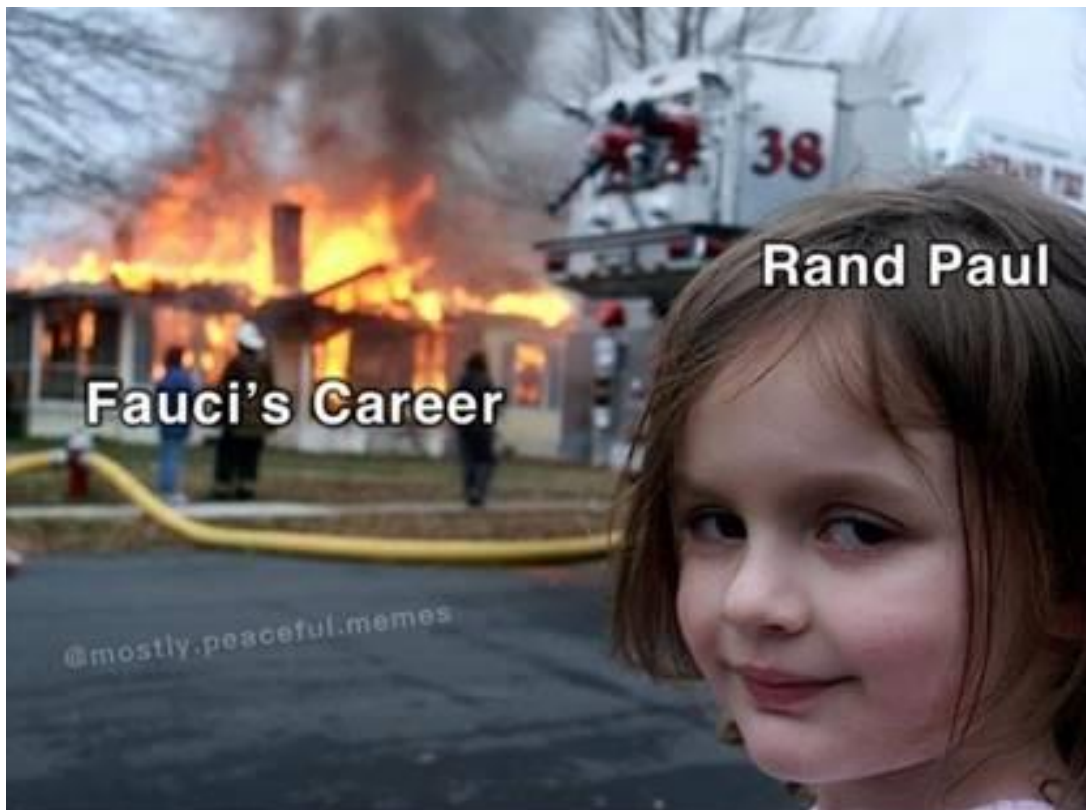
### [Peter Navarro: 'St. Fauci' and Others Have Blood on Hands After Blocking Trump Admin. From Distributing 60 Million HCQ Tablets](#)

Debra Heine  
*American Greatness*  
June 10, 2021

### [Observational Study on 255 Mechanically Ventilated Covid Patients at the Beginning of the USA Pandemic](#)

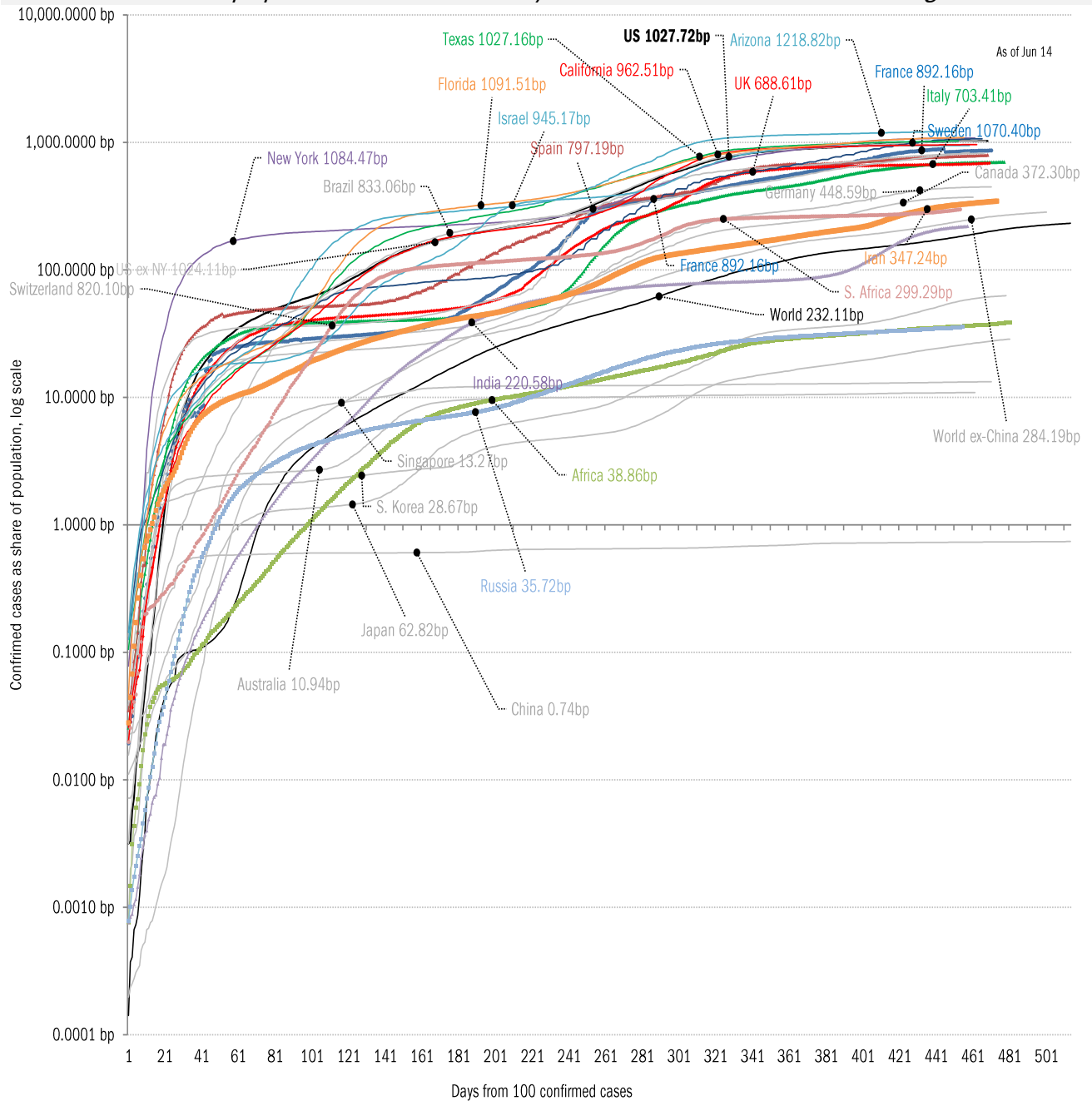
Leon G. Smith et al.  
*medRxiv*  
May 31, 2021

## Meme of the day



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

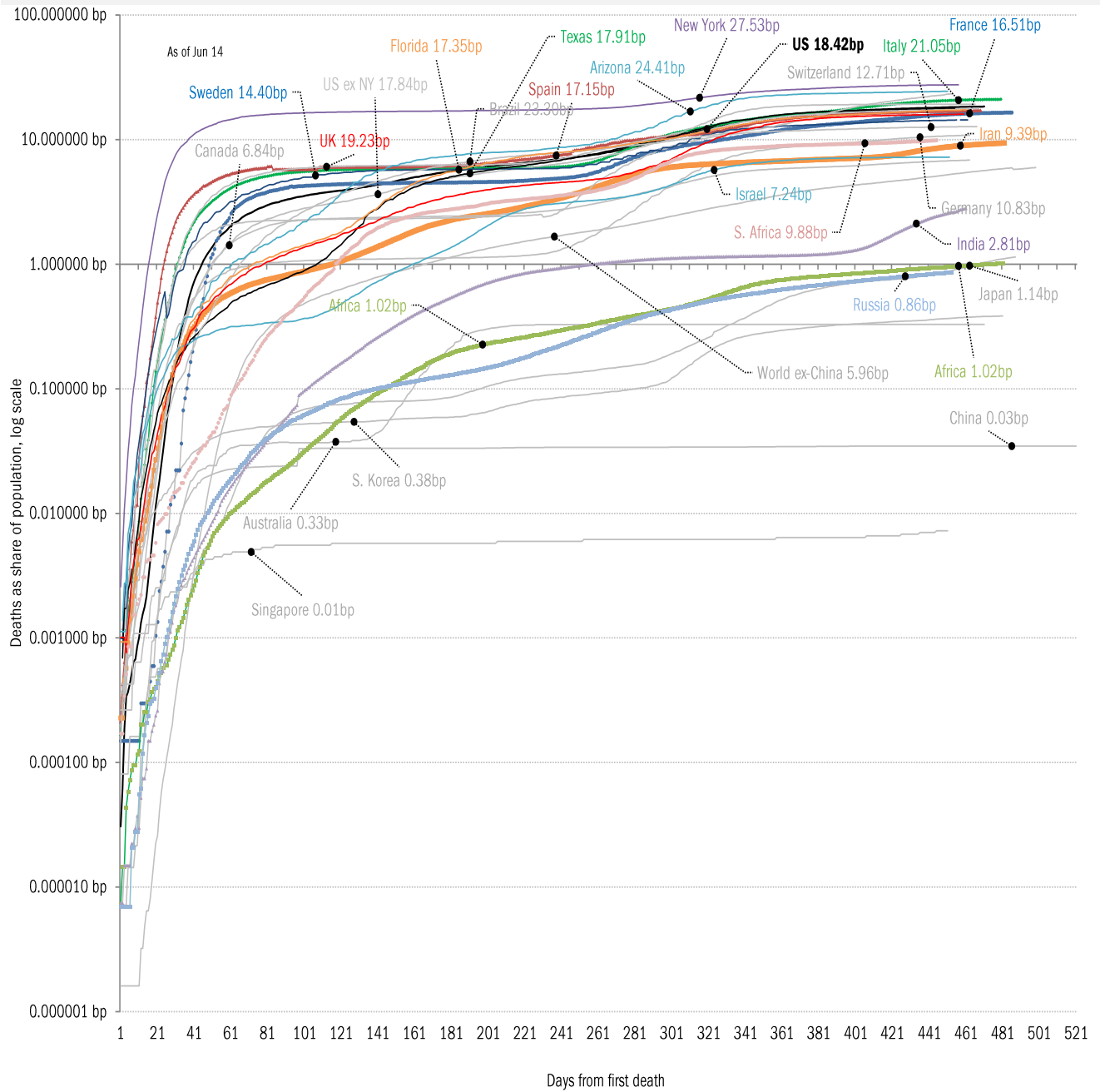
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



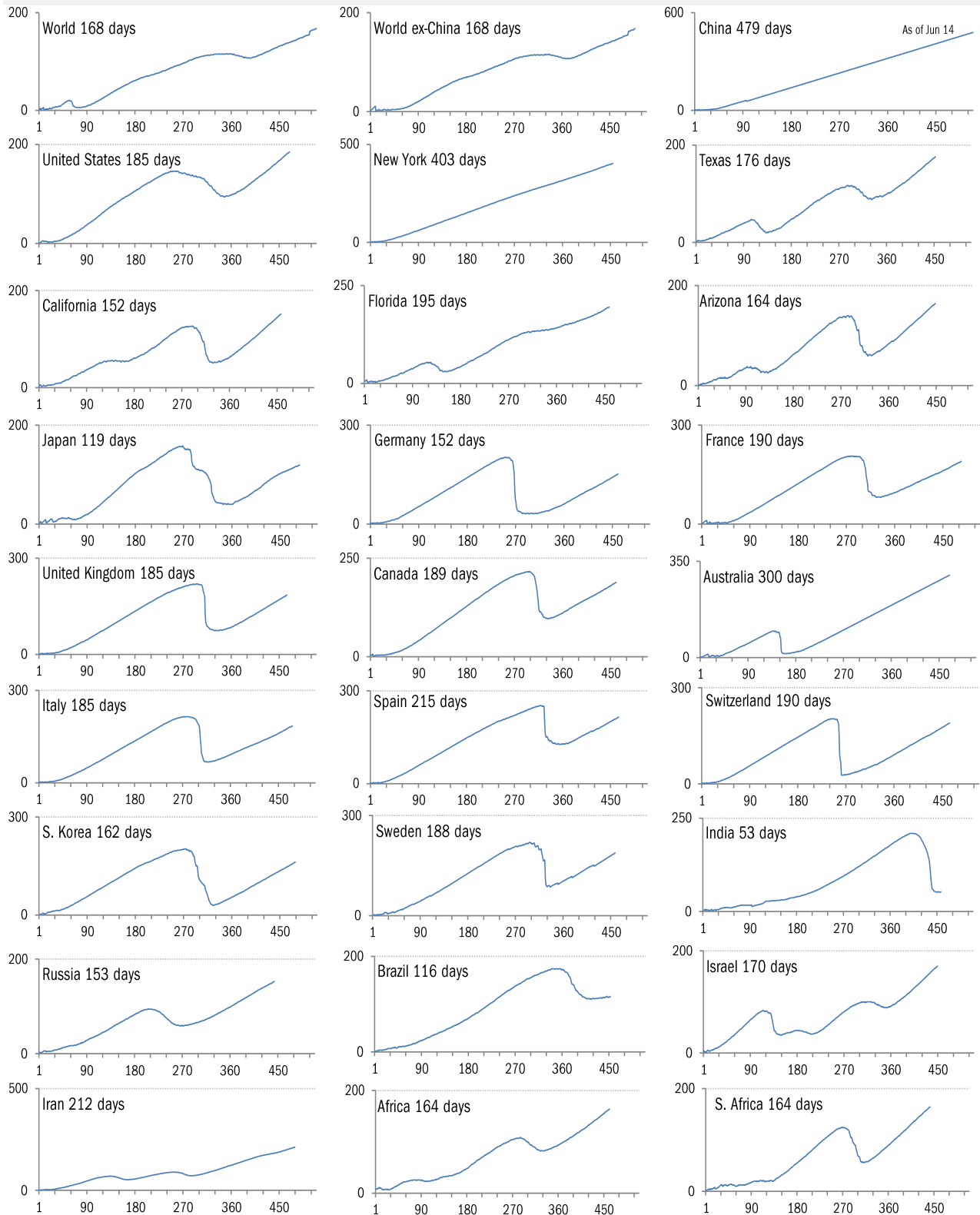
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

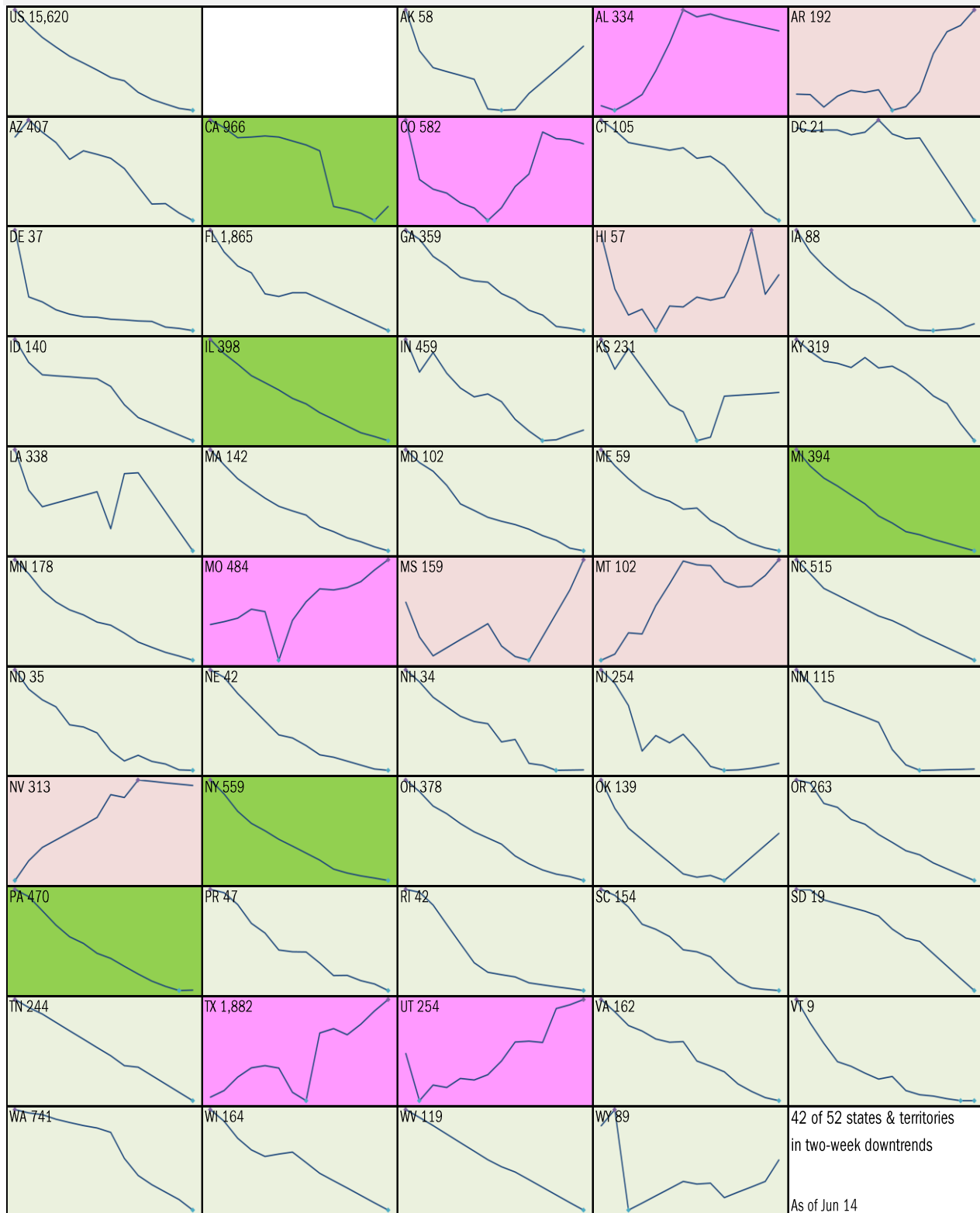


Source: [Johns Hopkins](#), TrendMacro calculations

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

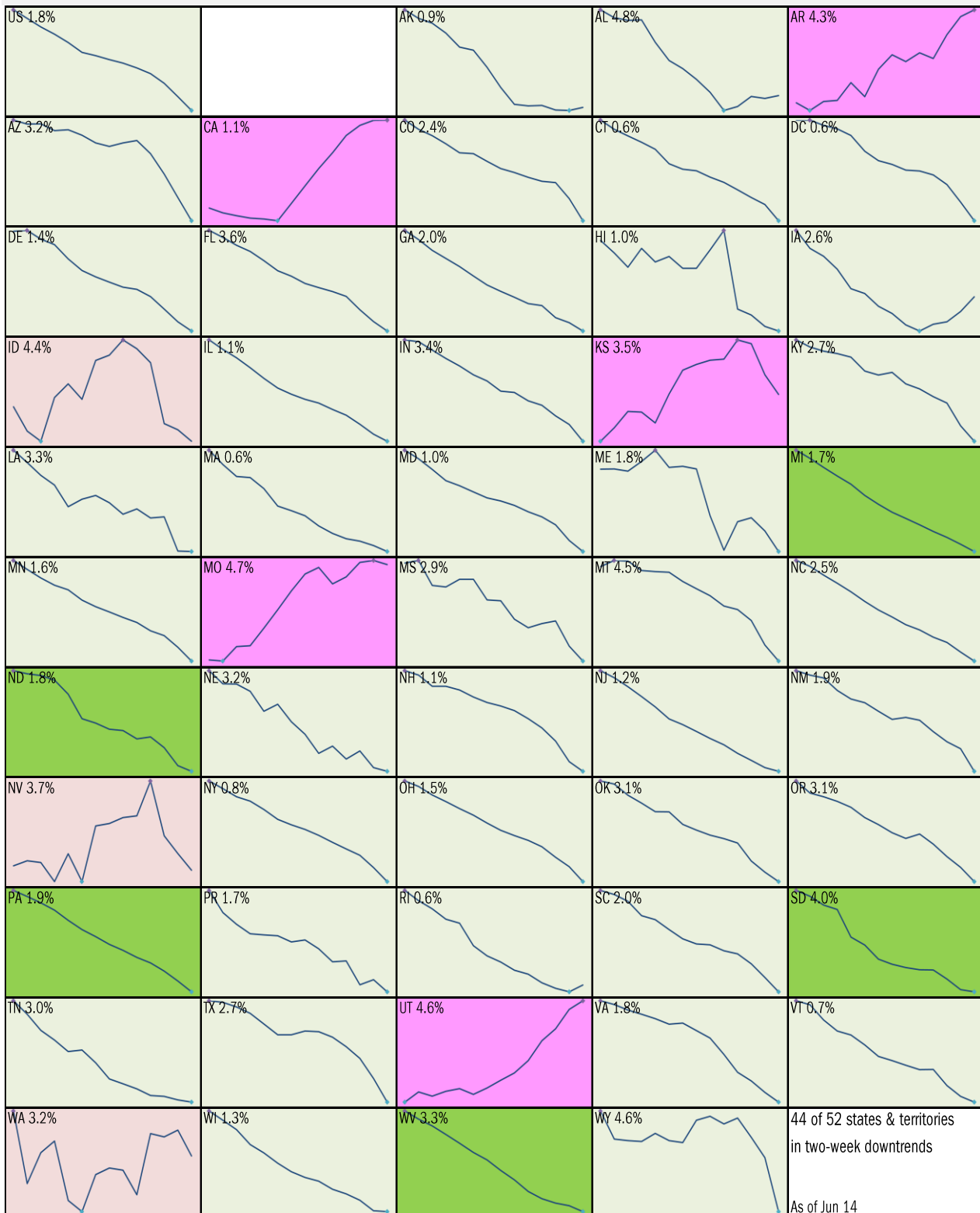
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

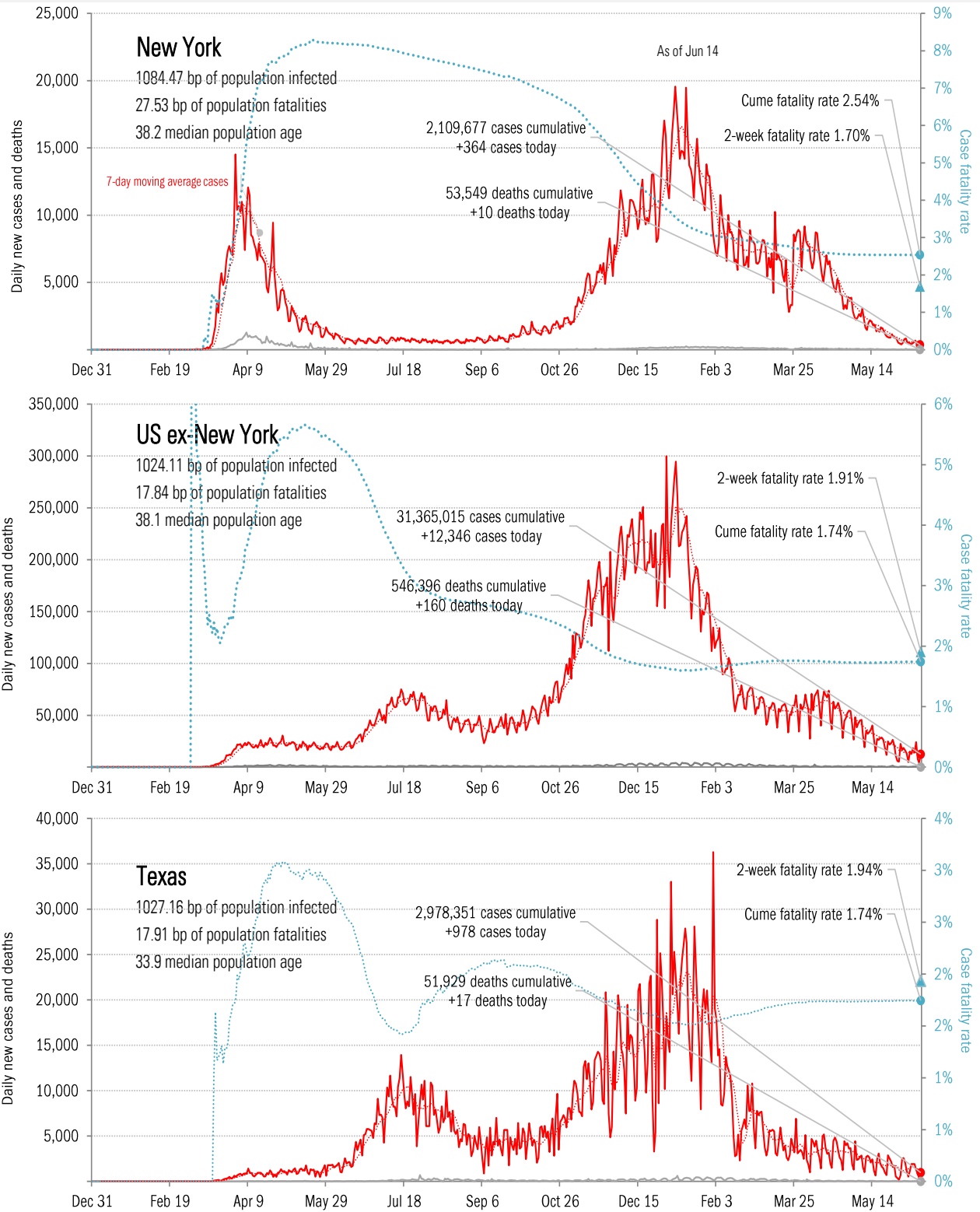
Alt requirement to [Open Up America Again](#): 14-day “downward trajectory” in pos tests

14-day moving average, last 14 days Most recent value displayed ● High ● Low  
 ■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



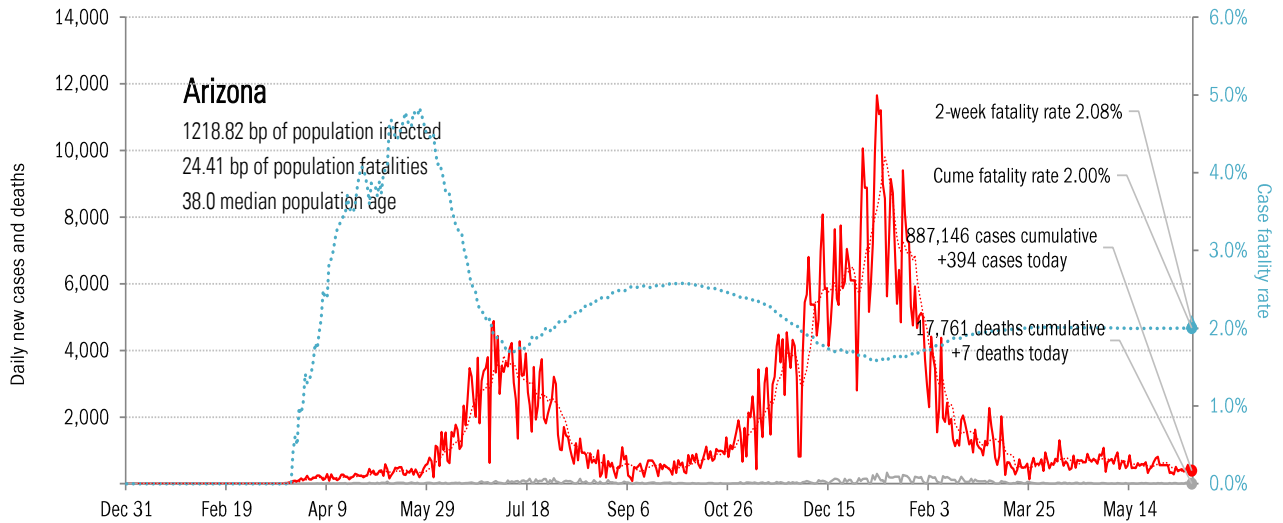
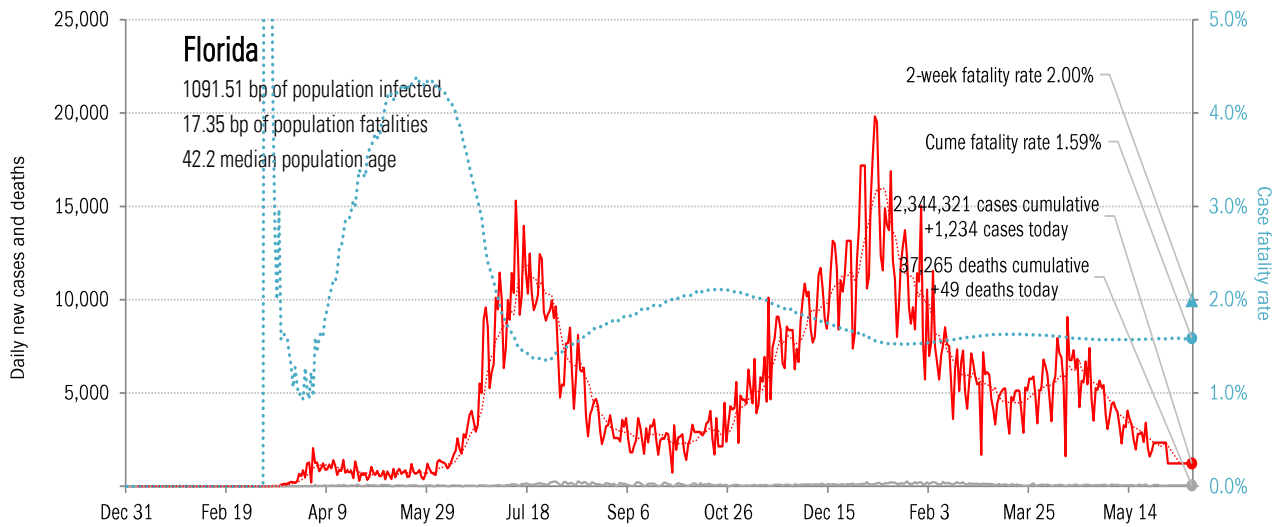
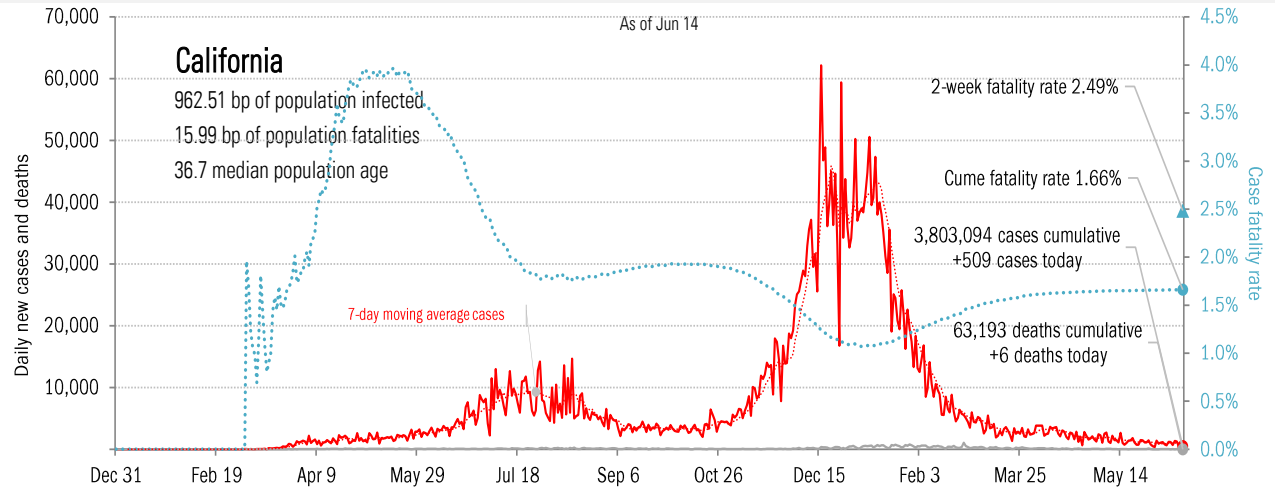
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



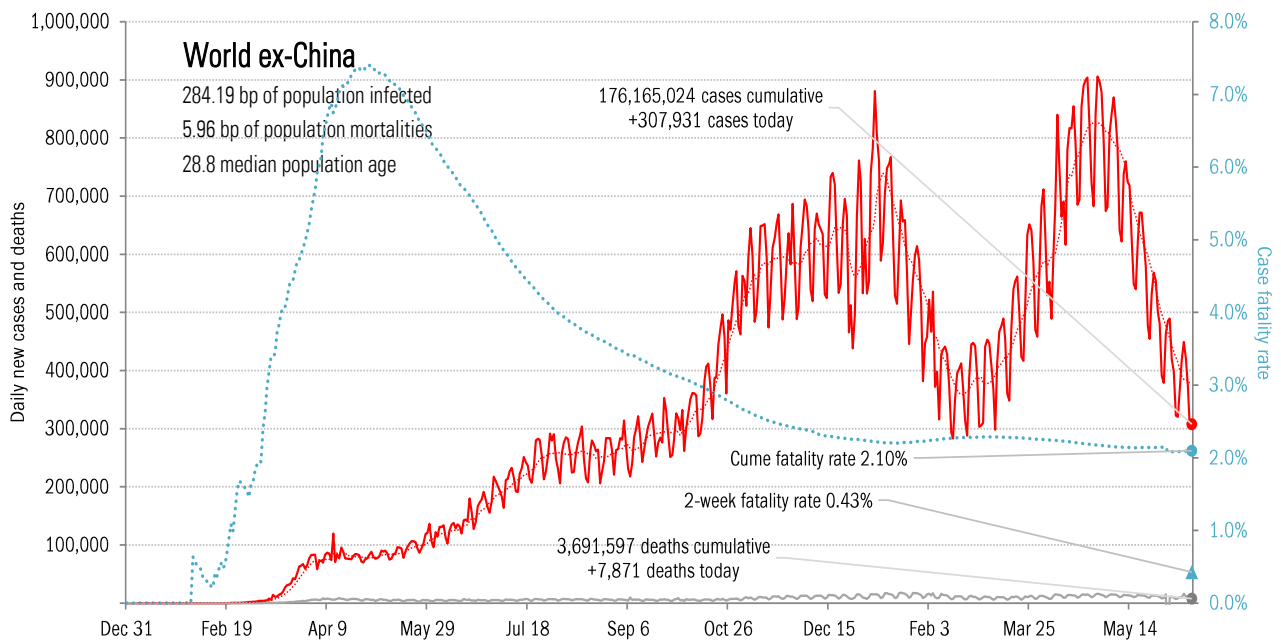
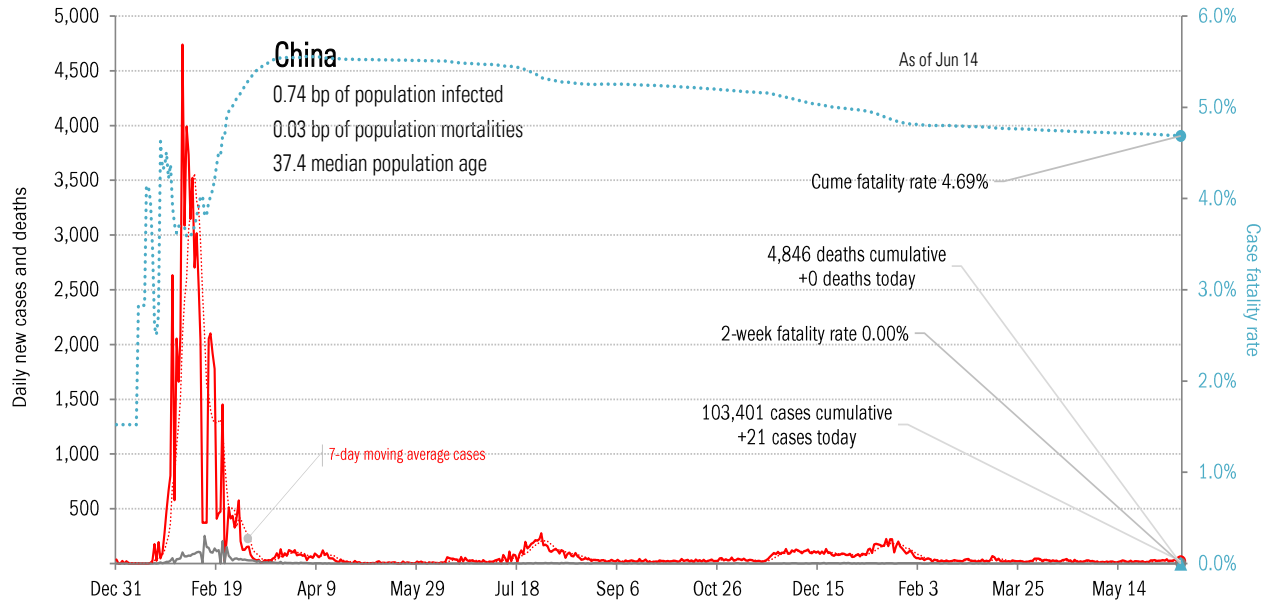
Source: [Johns Hopkins](#), TrendMacro calculations

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



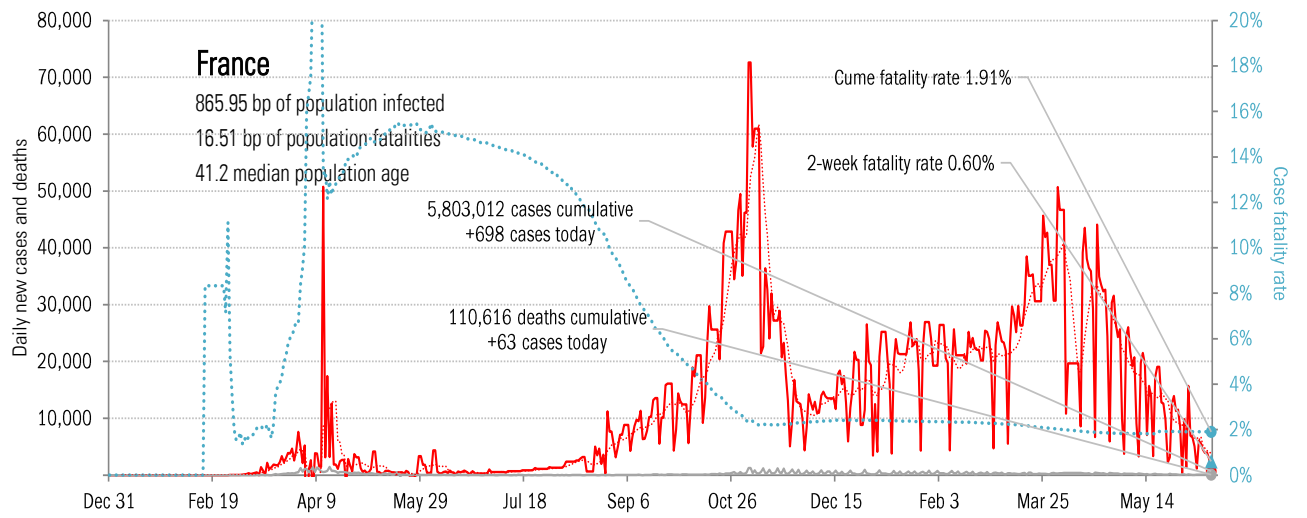
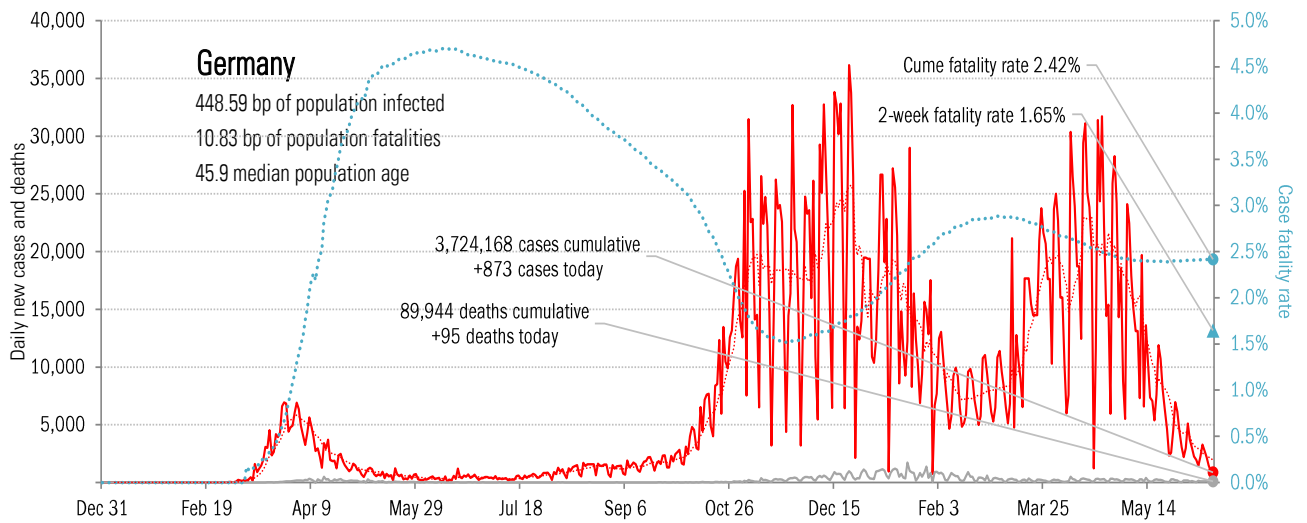
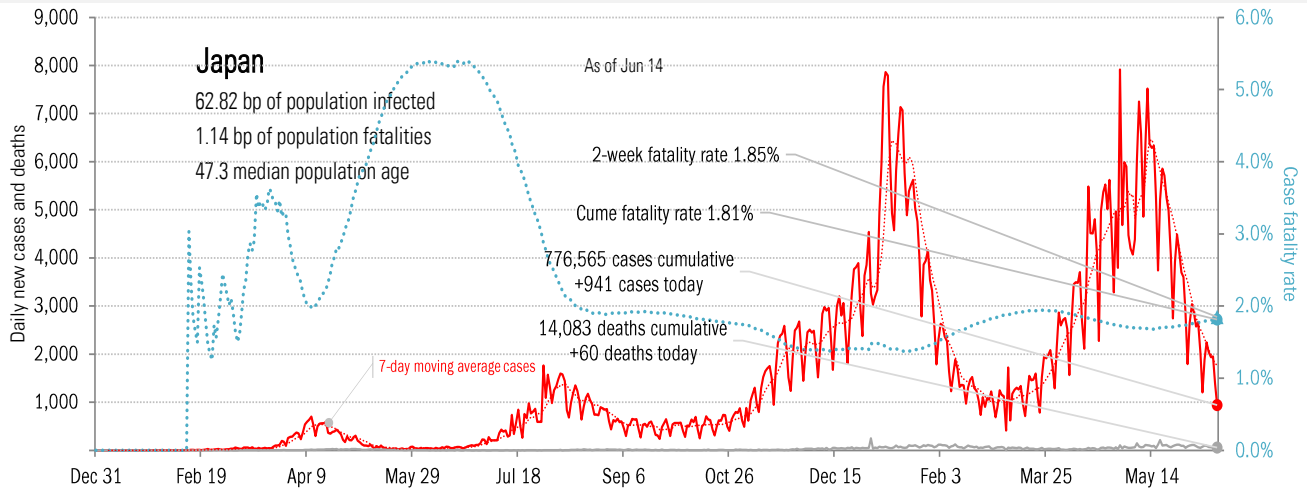
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



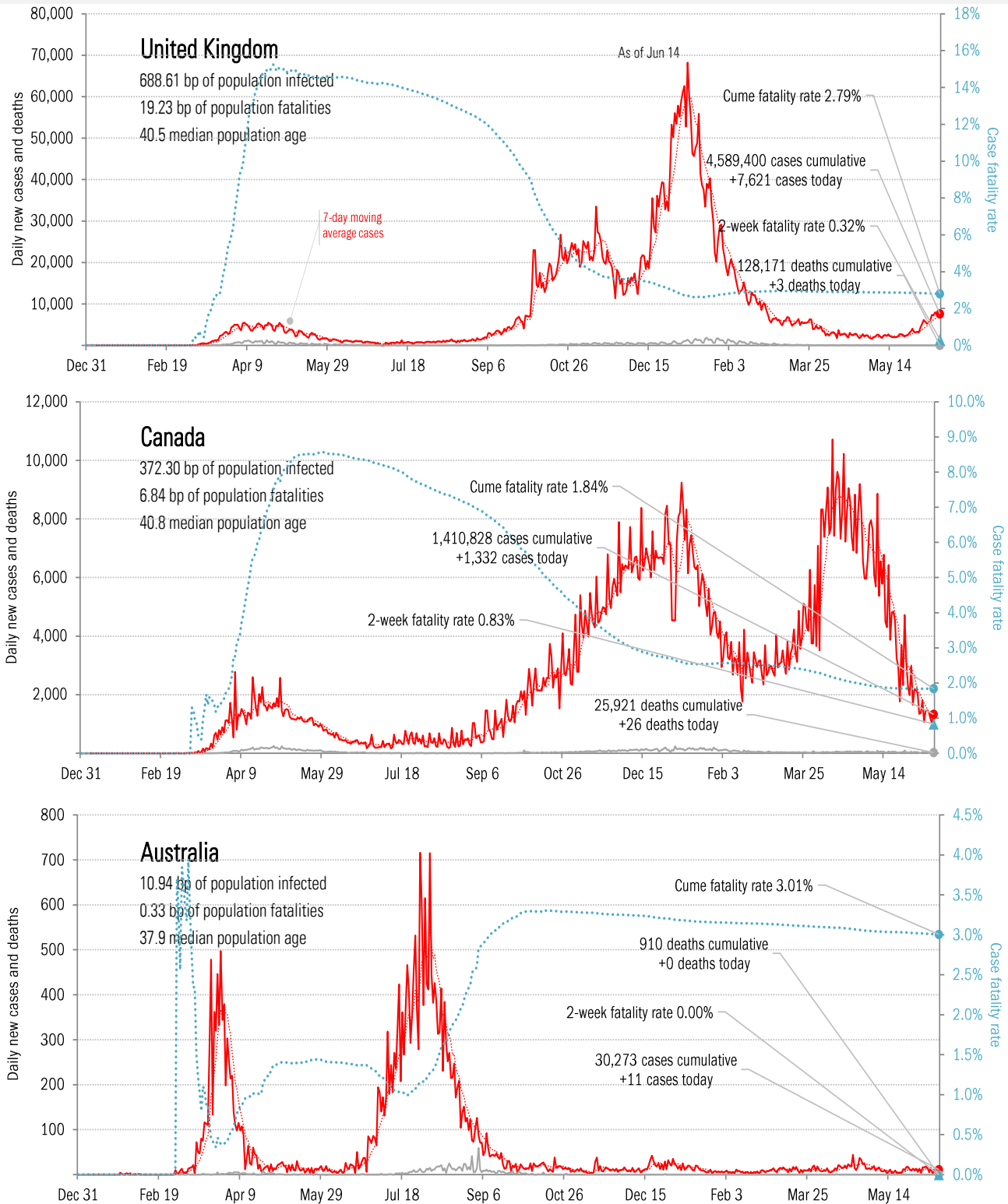
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



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

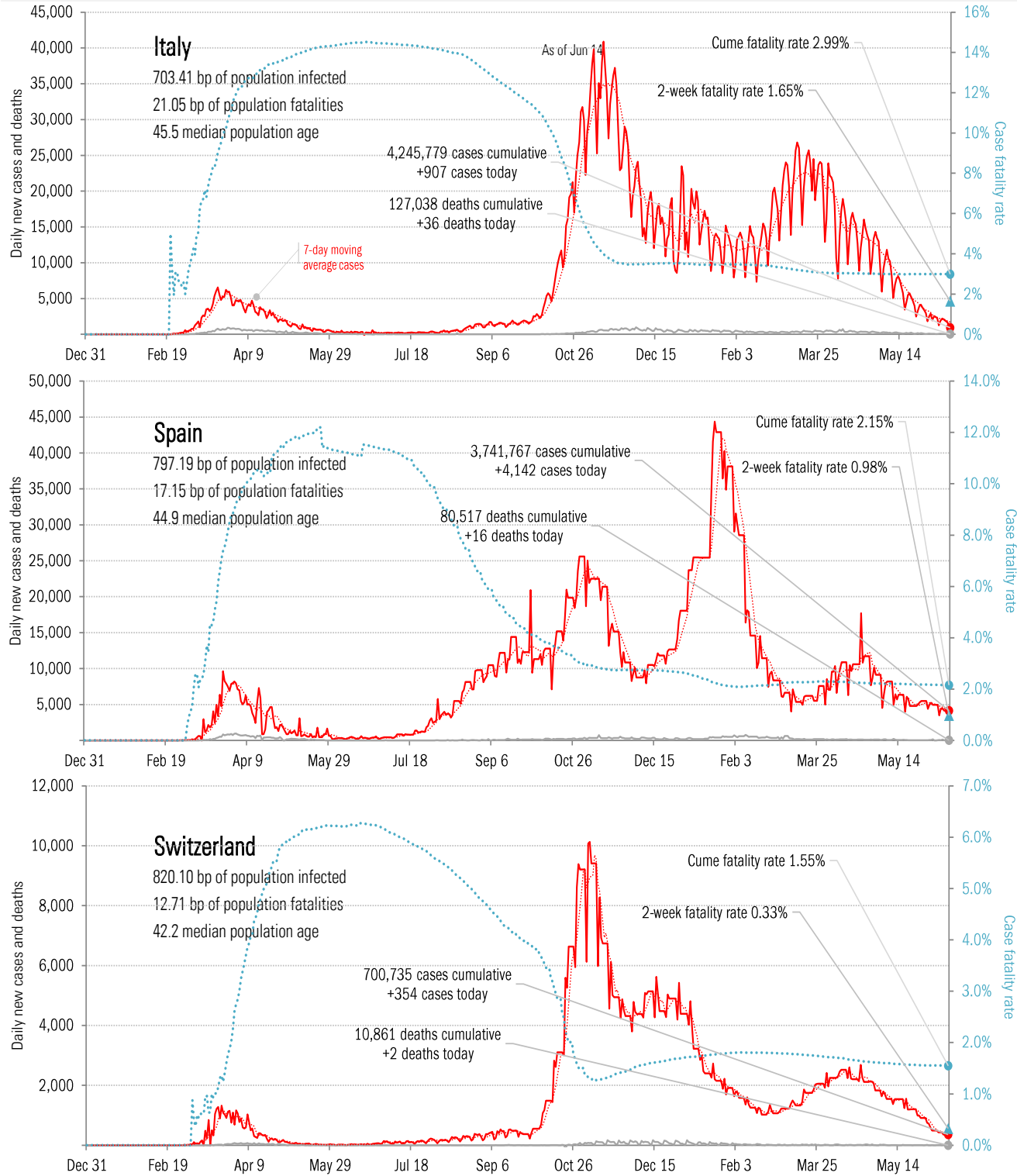
# Impact in The Anglosphere



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

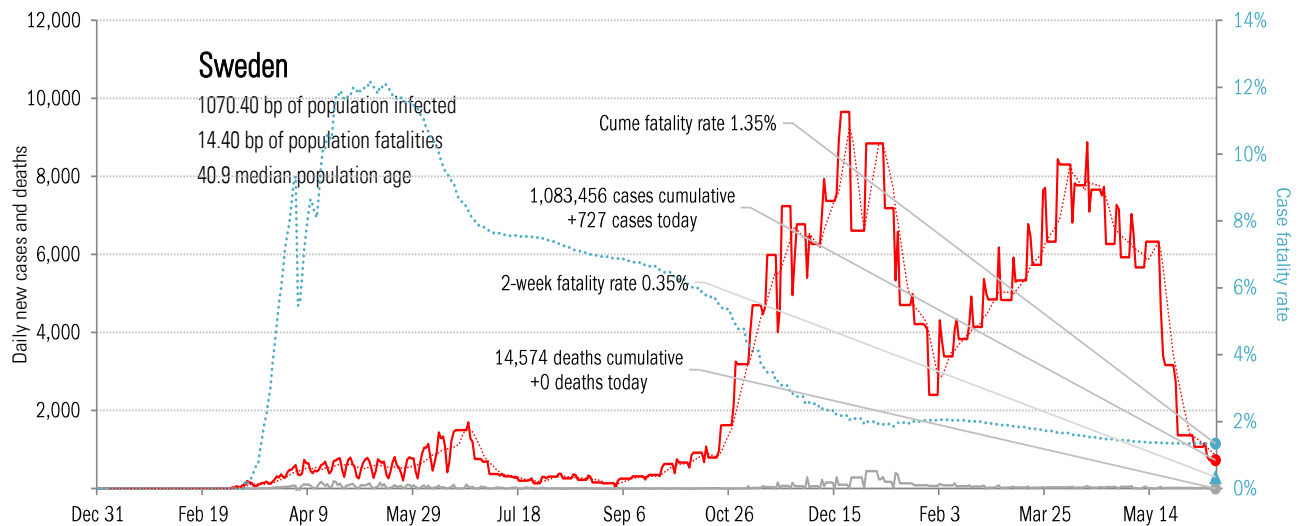
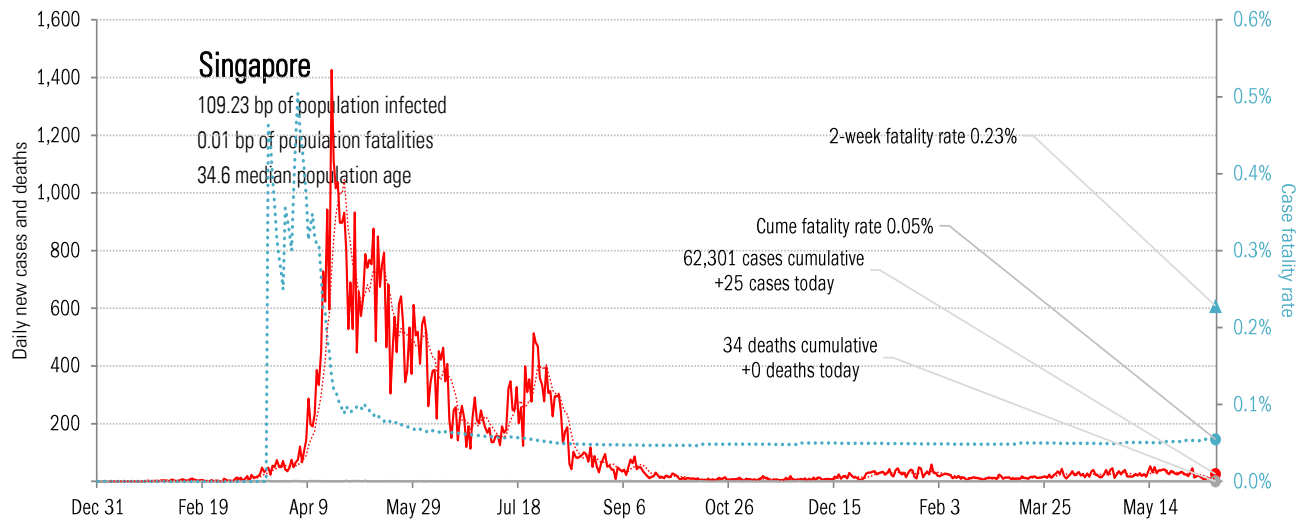
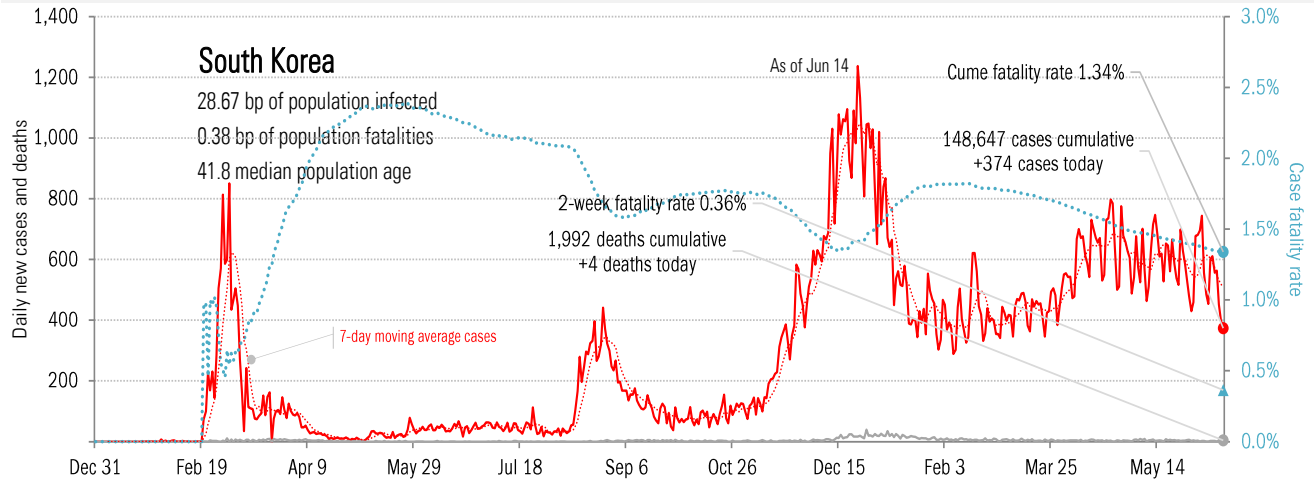


# Impact in continental Europe



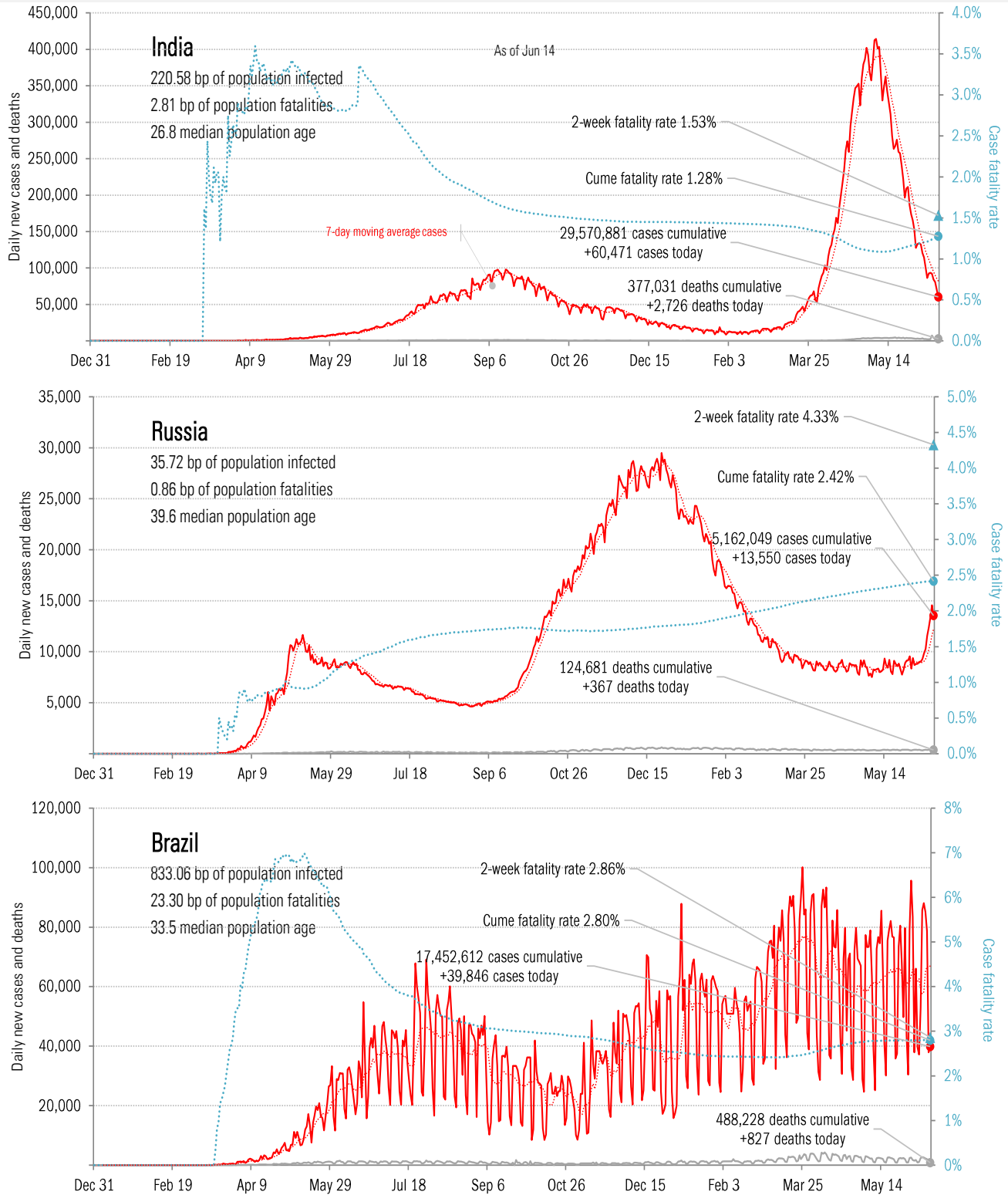
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



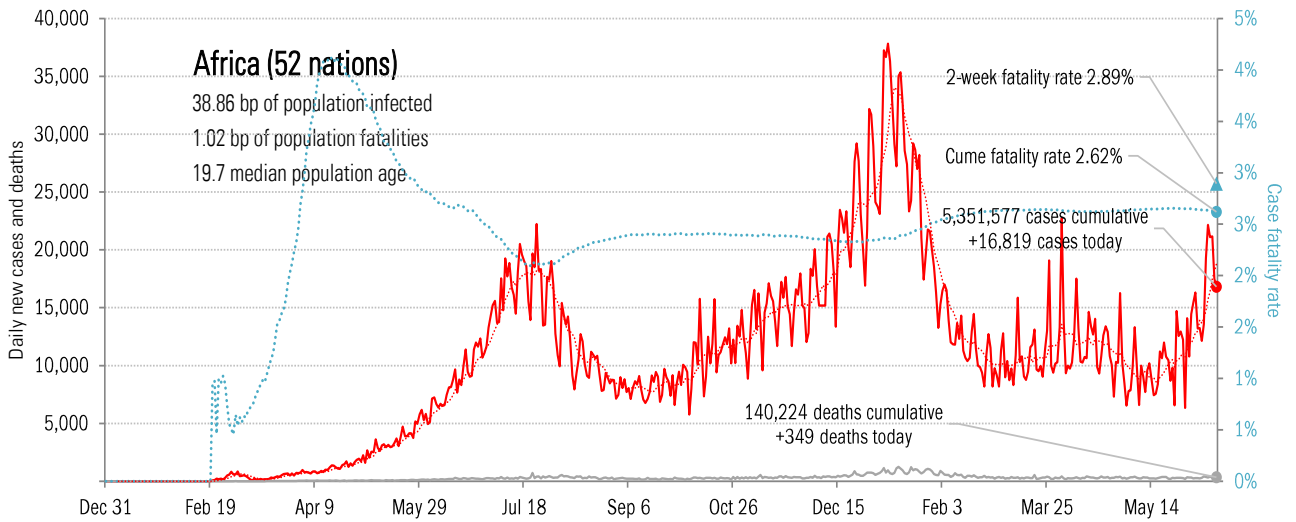
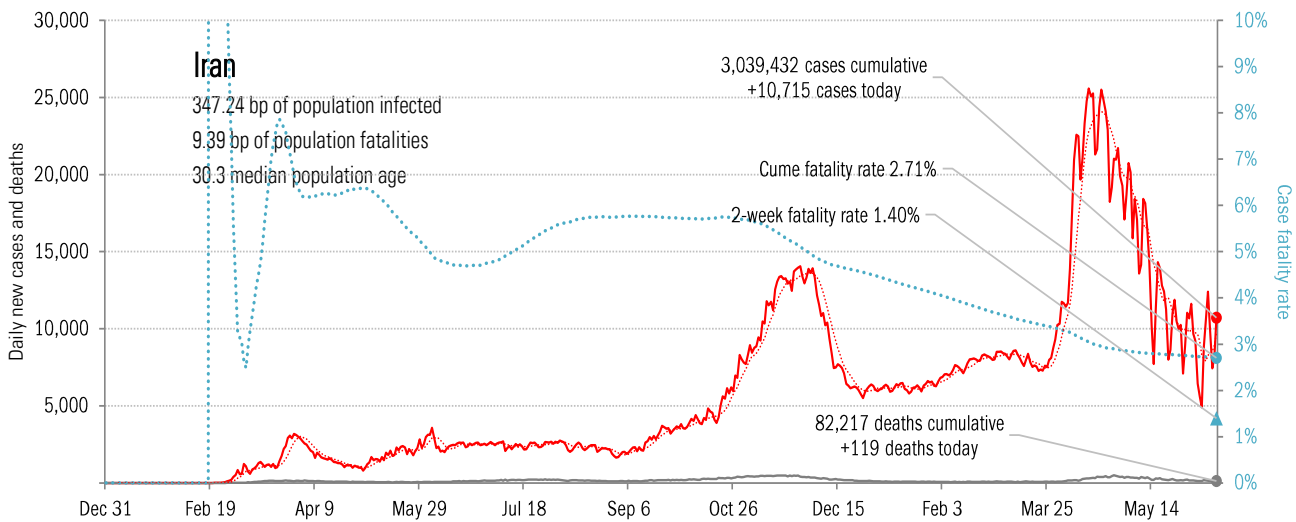
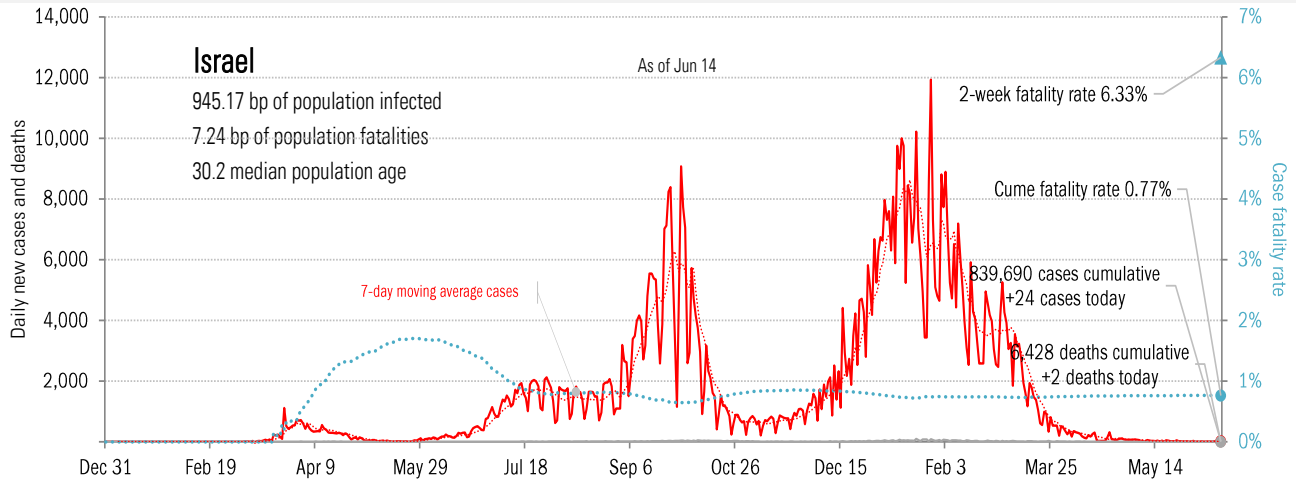
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



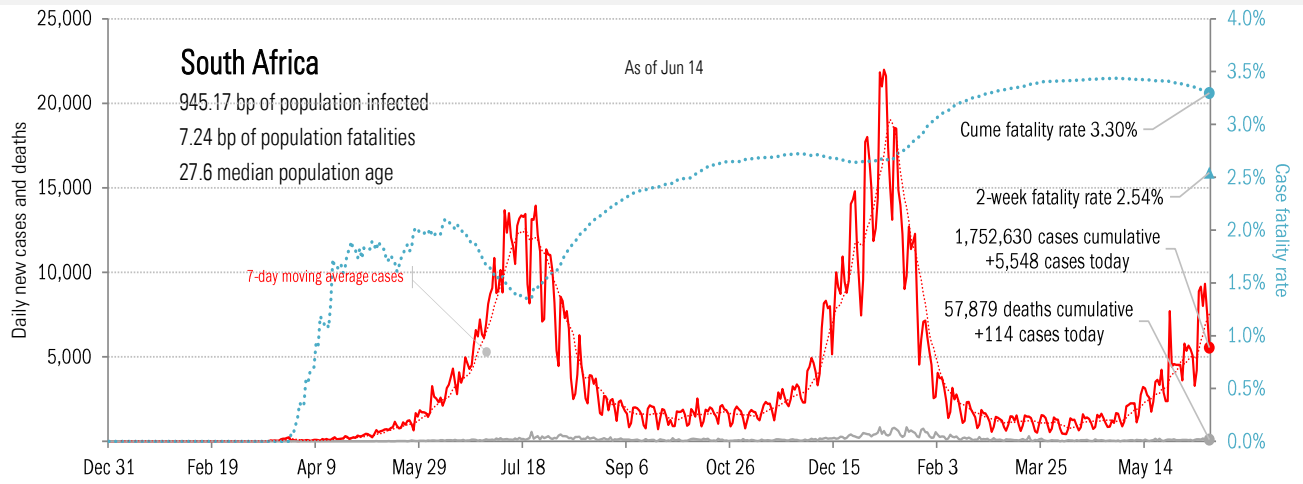
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

# Impact in Africa, continued



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