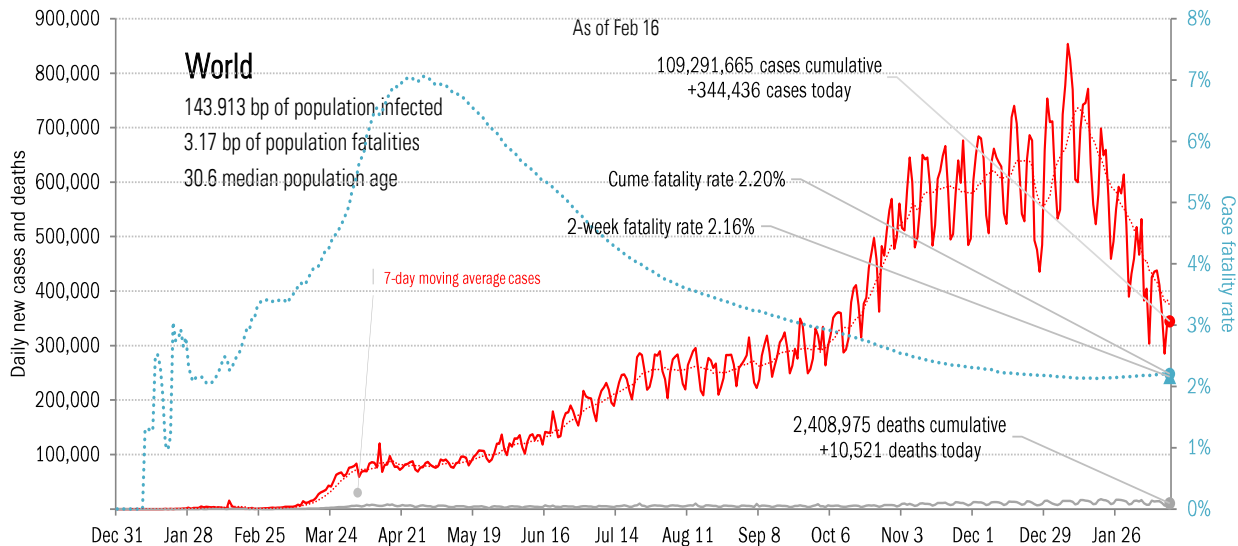
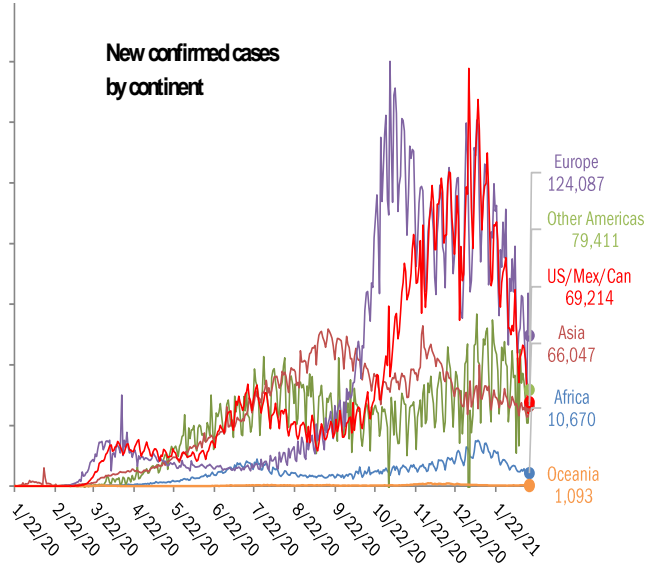


Data Insights: Covid-2019 Monitor

Wednesday, February 17, 2021

The global scorecard

The worst ten countries			
New cases		New Deaths	
United States	+56,312	United States	+1,353
Brazil	+55,271	Mexico	+1,329
France	+19,596	Brazil	+1,167
Russia	+13,030	United Kingdom	+799
India	+11,610	France	+587
United Kingdom	+10,636	Germany	+541
Italy	+10,368	Spain	+530
Spain	+10,057	Russia	+449
Indonesia	+10,029	Italy	+336
Sweden	+9,458	Indonesia	+229
+206,367		+7,320	
World	+344,436	World	+10,521
Top ten	60%	Top ten	70%



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

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Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

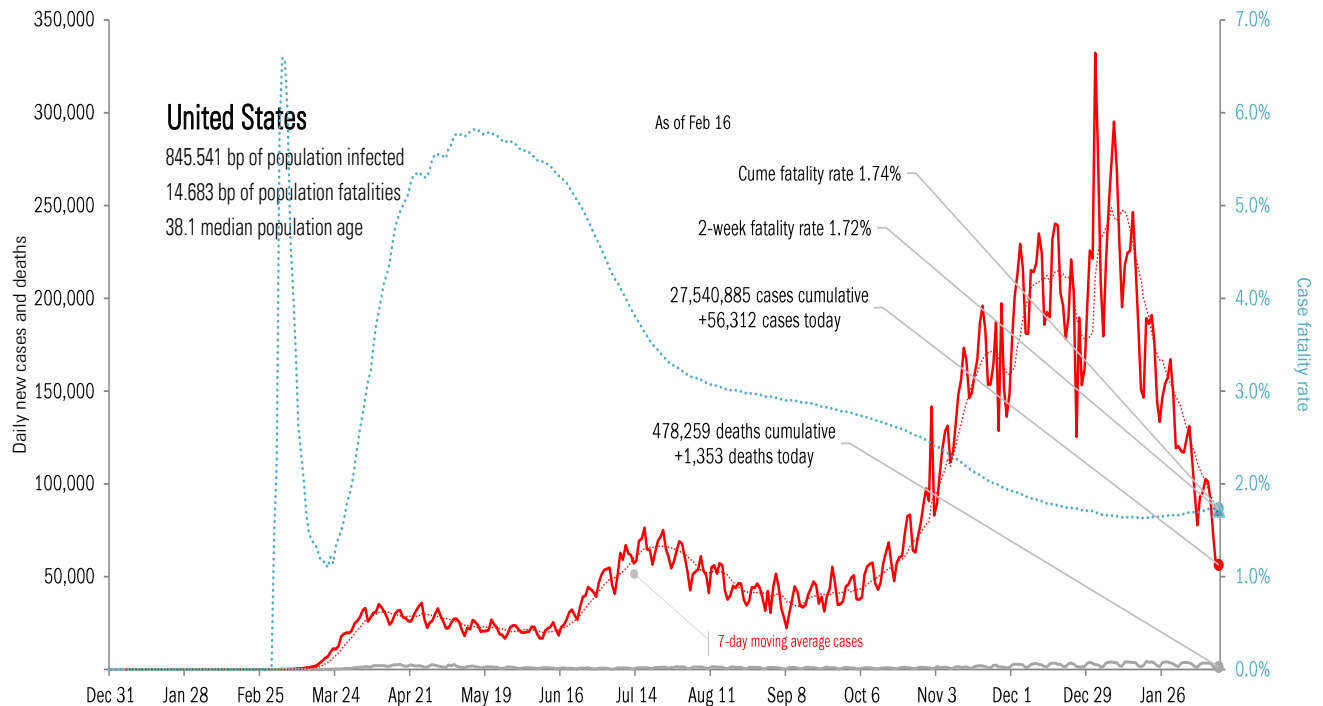
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
NY	+6,753		GA	+246		NV	+18		CA	3,412,057		CA	47,107		NY	89,995		R	97%	AL	87%
FL	+6,165		FL	+225		AL	+17		TX	2,567,297		TX	40,645		FL	77,686		GA	79%	TX	86%
CA	+5,692		NY	+107		NC	+17		FL	1,803,893		NY	37,328		NJ	62,591		FL	78%	GA	84%
NJ	+3,633		CA	+64		RI	+16		NY	1,542,887		FL	29,659		AZ	55,865		MA	77%	CA	80%
TX	+3,348		NC	+61		VA	+16		IL	1,164,922		PA	23,126		GA	53,658		SC	76%	OK	79%
GA	+2,895		OH	+59		IA	+13		GA	969,702		NJ	22,497		CH	48,739		DC	75%	NC	79%
PA	+2,377		TX	+52		FR	+11		CH	943,291		IL	22,199		AL	44,541		CT	75%	MS	79%
CH	+2,026		MA	+50		SD	+11		PA	899,237		CH	16,453		IN	41,840		MD	74%	FL	78%
NC	+1,988		IN	+40		AK	+8		NC	826,340		GA	16,174		MD	33,980		PA	74%	DC	77%
VA	+1,770		WI	+39		DC	+8		AZ	799,740		MI	16,149		WI	25,422		CA	74%	MO	77%
+36,647			+943			+135			14,929,366			271,337			534,317						
All states	+56,312		+1,353			-922		All states	27,540,885		478,259			845,386			All states	69%		71%	
Top ten	65%		70%			-15%		Top ten	54%		57%			63%			Median	68%		66%	

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
CT	-2,325	CA	-46,979	PA	-190	PA	+14,989
KS	-1,348	TX	-40,541	IN	-83	MS	+11,316
CA	-795	PA	-23,112	IL	-75	CH	+5,299
TX	-541	IL	-22,133	MO	-57	TN	+2,879
LA	-503	MI	-16,111	CH	-43	OK	+2,121

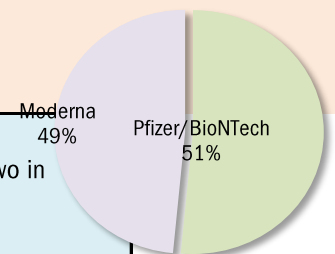


Source: [Covid Tracking Project](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

Rolling out the vaccines in the US

US overall	Over last 2 days
71.66 million doses distributed	+0.80 million/day
55.22 million doses administered	+1.17 million/day
39.67 million persons with one shot	+0.69 million/day
15.02 million persons with two shots	+0.47 million/day
5.97 million shots long-term care residents/staff	+0.07 million/day

77.1% of distributed doses administered
 11.9% of US pop 1 shot 4.5% 2 shots
 100% of LTC 1 shot 38.2% 2 shots



At today's dosing pace,
 every American will have two in
515 days
 by Jul 15, 2022
 US will achieve herd immunity in
243 days
 by Oct 16, 2021

State	
Doses distributed as % population	Best
One shot received as % population	Middle
Two shots received as % population	Worst

AK
37.1%
17.7%
8.3%

ME
23.6%
12.8%
4.8%

WI
21.0%
12.7%
4.2%

VT
23.6%
12.5%
5.9%

NH
23.7%
11.1%
4.8%

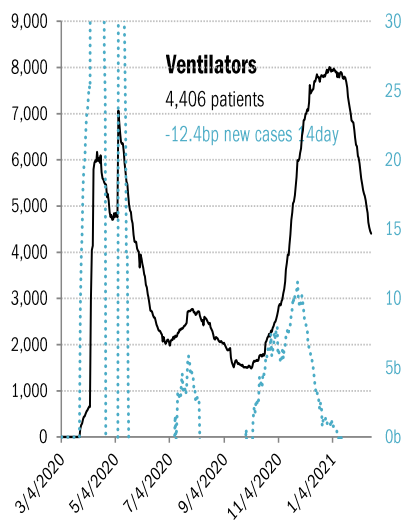
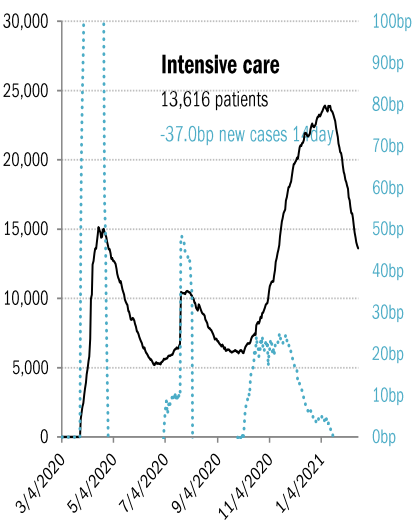
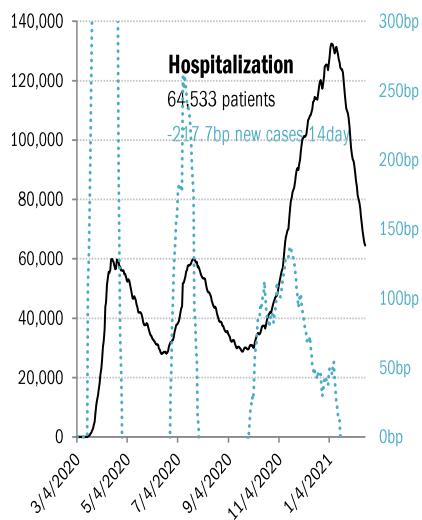
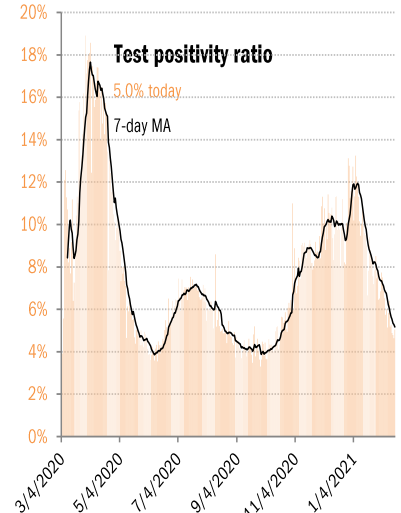
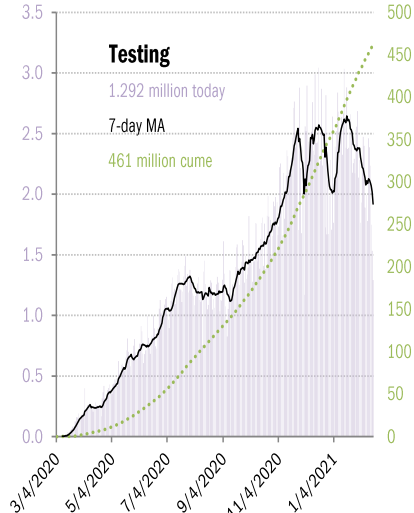
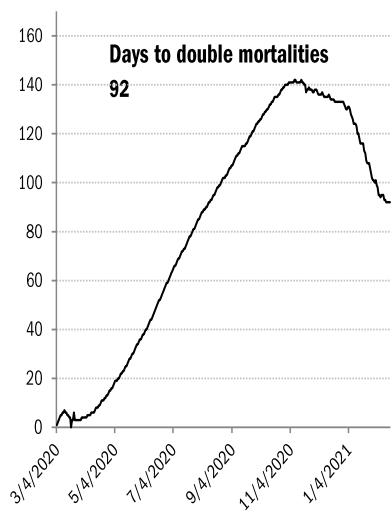
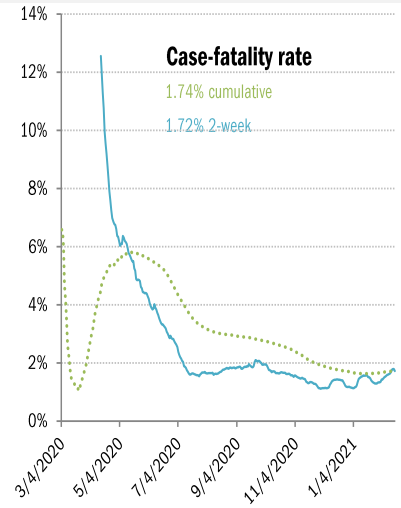
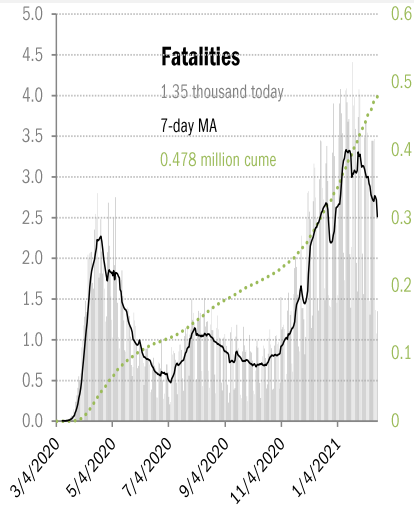
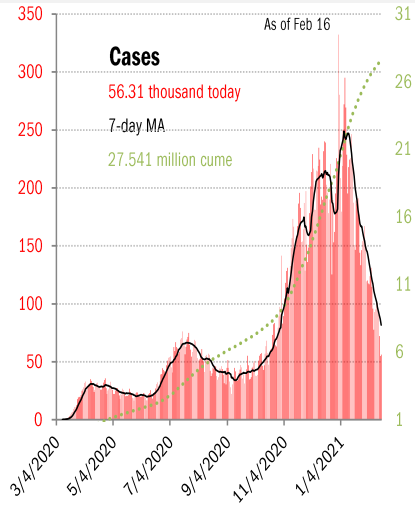
WA	ID	MT	ND	MN	IL	MI	NY	MA	RI
19.1%	18.7%	19.4%	21.3%	20.7%	21.0%	21.4%	20.5%	22.0%	
11.7%	10.5%	12.3%	13.4%	11.9%	11.8%	11.3%	10.8%	12.5%	
3.9%	3.6%	4.7%	6.5%	4.2%	3.3%	5.2%	4.8%	4.1%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	CT
20.4%	17.9%	21.1%	21.4%	19.5%	21.5%	20.1%	21.2%	20.2%	25.6%
11.5%	10.9%	12.5%	12.6%	11.4%	11.7%	11.2%	10.7%	11.7%	13.9%
4.7%	3.5%	4.8%	5.8%	3.8%	4.5%	4.1%	3.6%	4.3%	5.8%
CA	UT	CO	NE	MO	KY	WV	VA	MD	DE
20.9%	18.9%	21.3%	21.1%	18.6%	20.2%	24.0%	19.3%	20.4%	19.4%
11.9%	9.8%	11.9%	10.3%	10.3%	11.4%	14.0%	12.3%	10.6%	12.1%
3.7%	3.7%	5.4%	4.7%	3.9%	4.4%	8.0%	4.1%	4.0%	3.5%
AZ	NM	KS	AR	TN	NC	SC	DC		
19.2%	21.4%	20.0%	20.9%	20.3%	19.8%	18.0%	27.5%		
12.2%	14.3%	10.0%	11.4%	9.9%	11.4%	10.5%	12.4%		
3.6%	6.6%	3.5%	4.5%	4.6%	4.6%	3.6%	5.5%		
OK	LA	MS	AL	GA					
20.6%	19.3%	20.6%	20.7%	20.1%					
12.2%	11.4%	10.7%	9.9%	9.8%					
5.2%	5.5%	4.0%	3.0%	3.8%					
HI	TX						FL		PR
22.0%	17.6%						21.4%		22.4%
11.9%	10.5%						11.4%		8.6%
4.9%	4.2%						5.3%		3.5%

As of Feb 16

Source: [CDC](#), [CDC](#), TrendMacro calculations

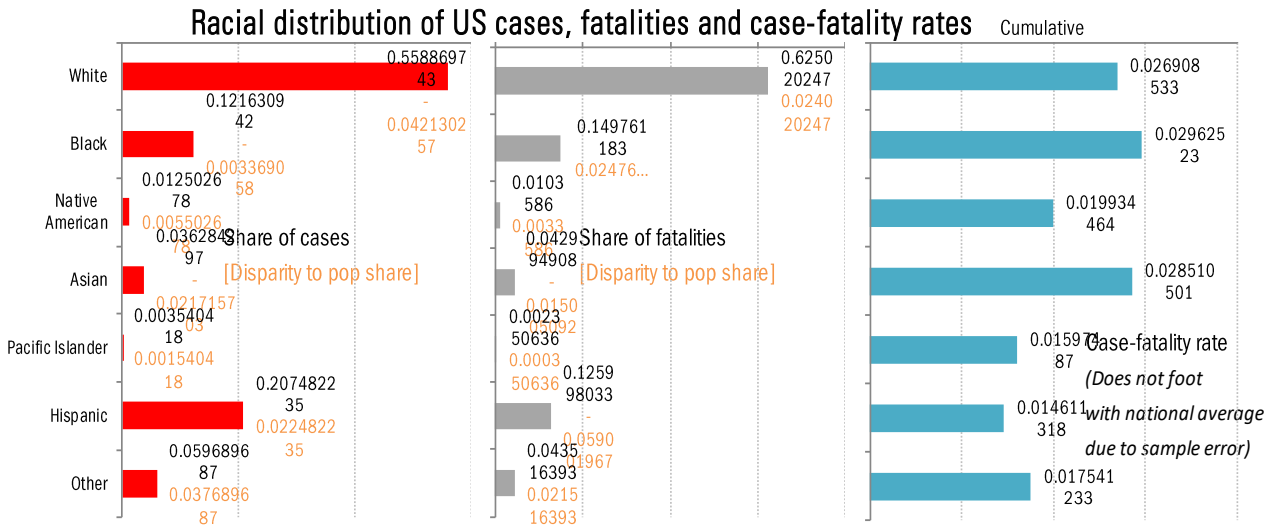
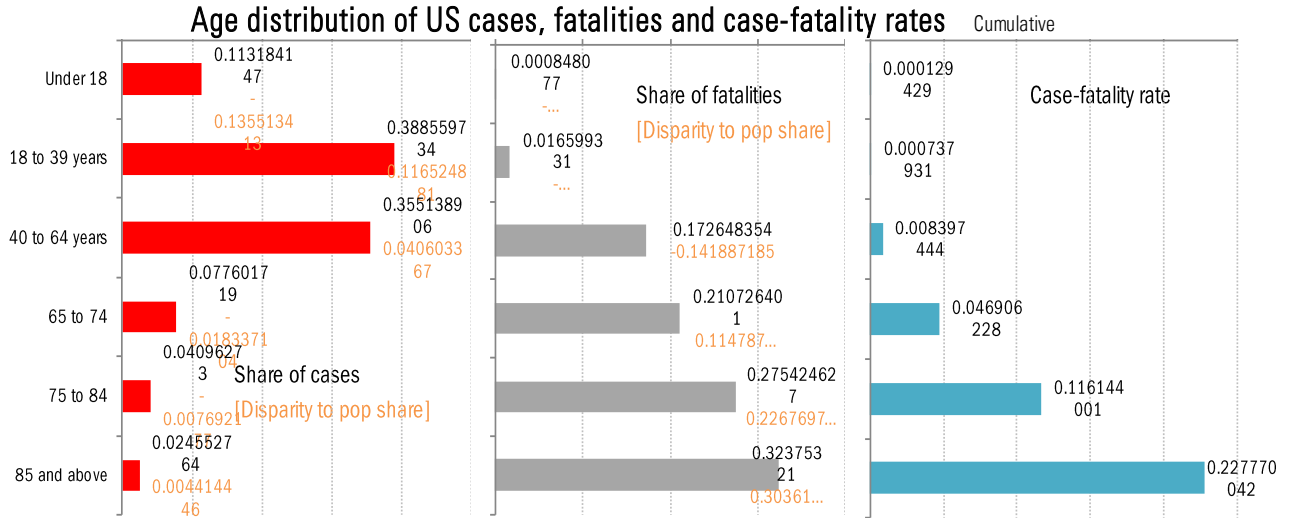
US deep-dive

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

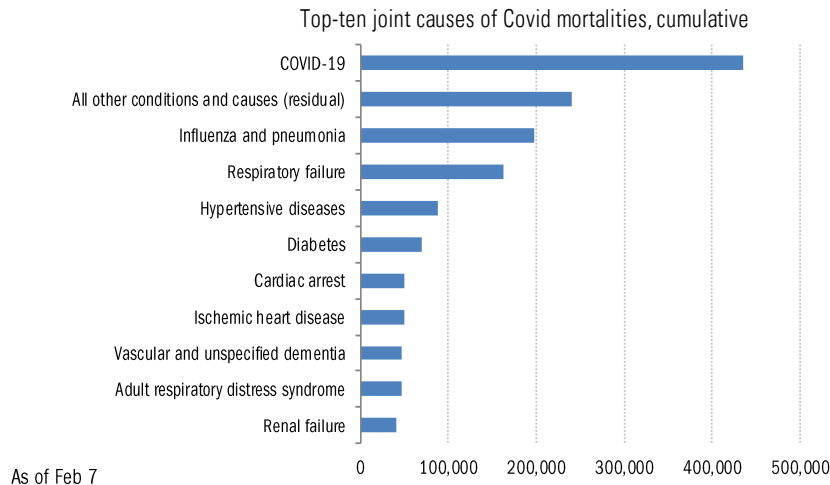


Source: [Covid Tracking Project](https://covidtracking.com), TrendMacro calculations

US deep-dive on the demographics of age, race and health



Comorbidities



For 6% of the deaths, COVID-19 was the only cause mentioned. For deaths with conditions or causes in addition to COVID-19, on average, there were 2.9 additional conditions or causes per death.

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

Recommended reading

[Tale of 2 Disneys - Calif.'s Lockdown vs. Fla.'s](#)

[Reopening](#)

Reason TV

February 4, 2021

[The Callous COVID Cruelty of Our Ruling Class](#)

Julia Kelly

American Greatness

February 11, 2021

[Fauci: Stimulus bill needs to be passed for schools to
reopen](#)

Joseph Choi

The Hill

February 14, 2021

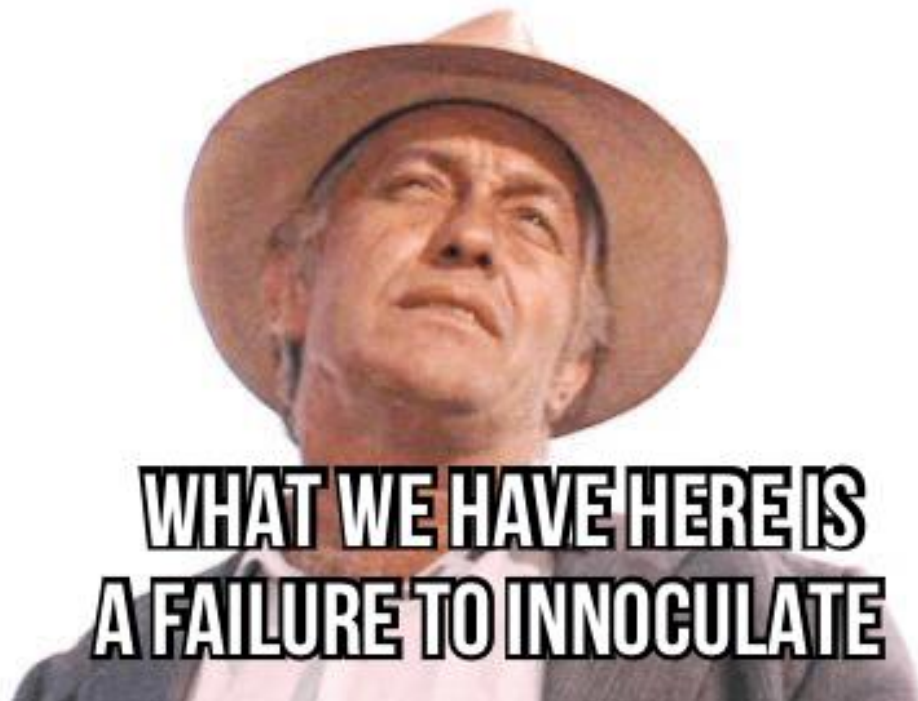
[Over 9,000 virus patients sent into NY nursing
homes](#)

Bernard Condon and Jennifer Peltz

Associated Press

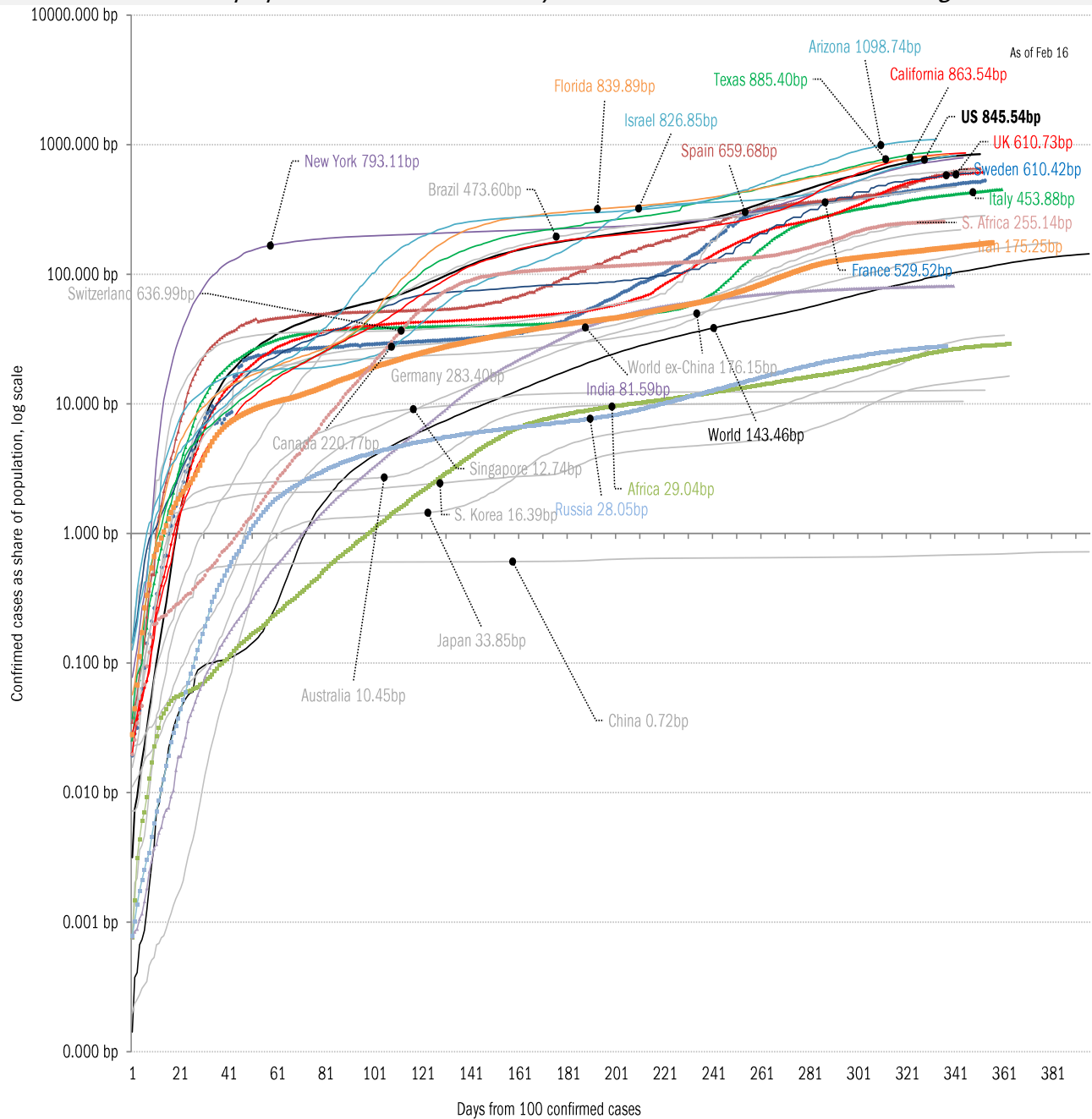
February 11, 2021

Meme of day



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

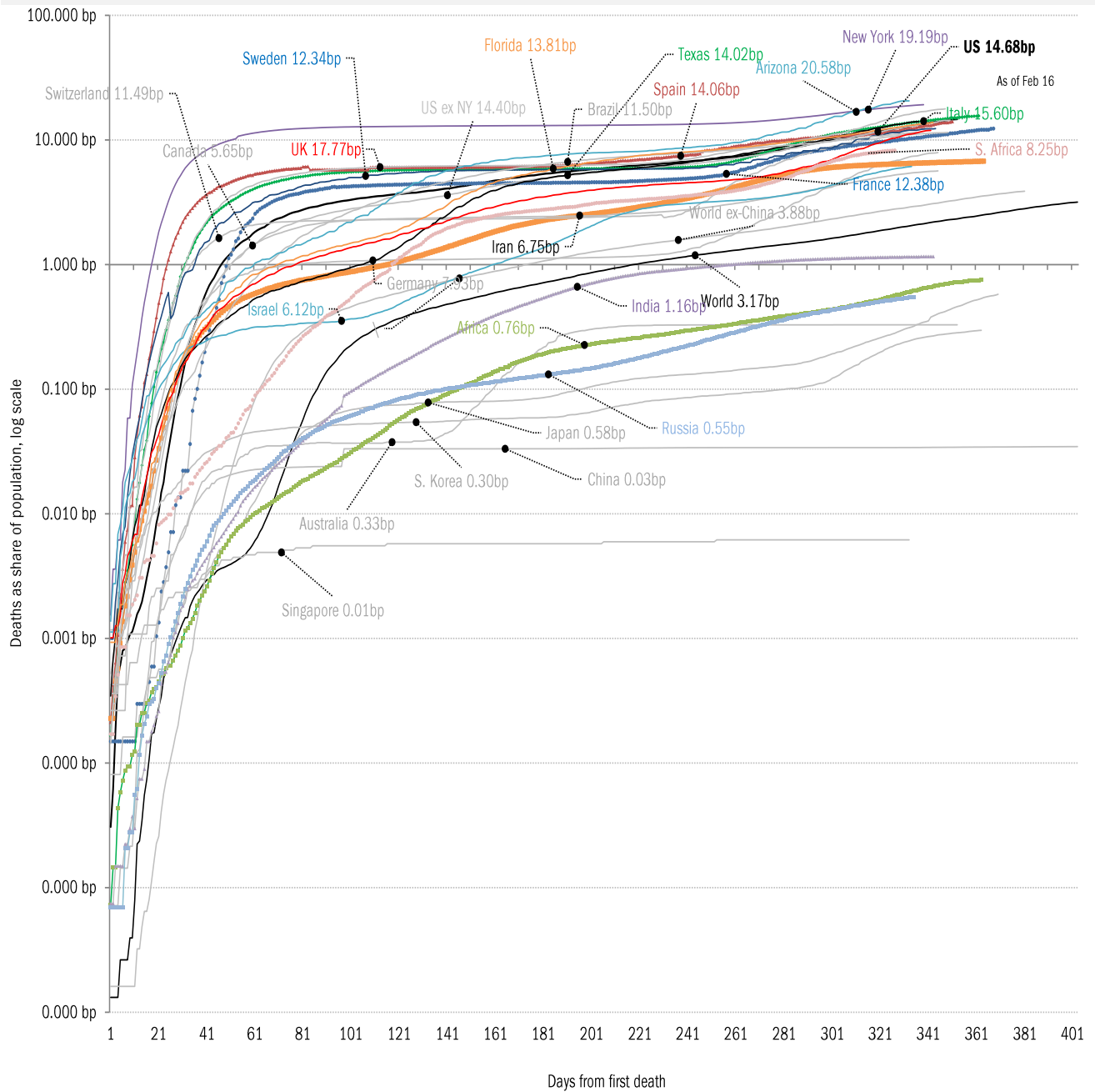
The coronavirus case accelerometer... tracking the world's infection curves
Share of infected population from first day with 100 confirmed cases, log scale



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

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

Share of deceased population from day of first fatality

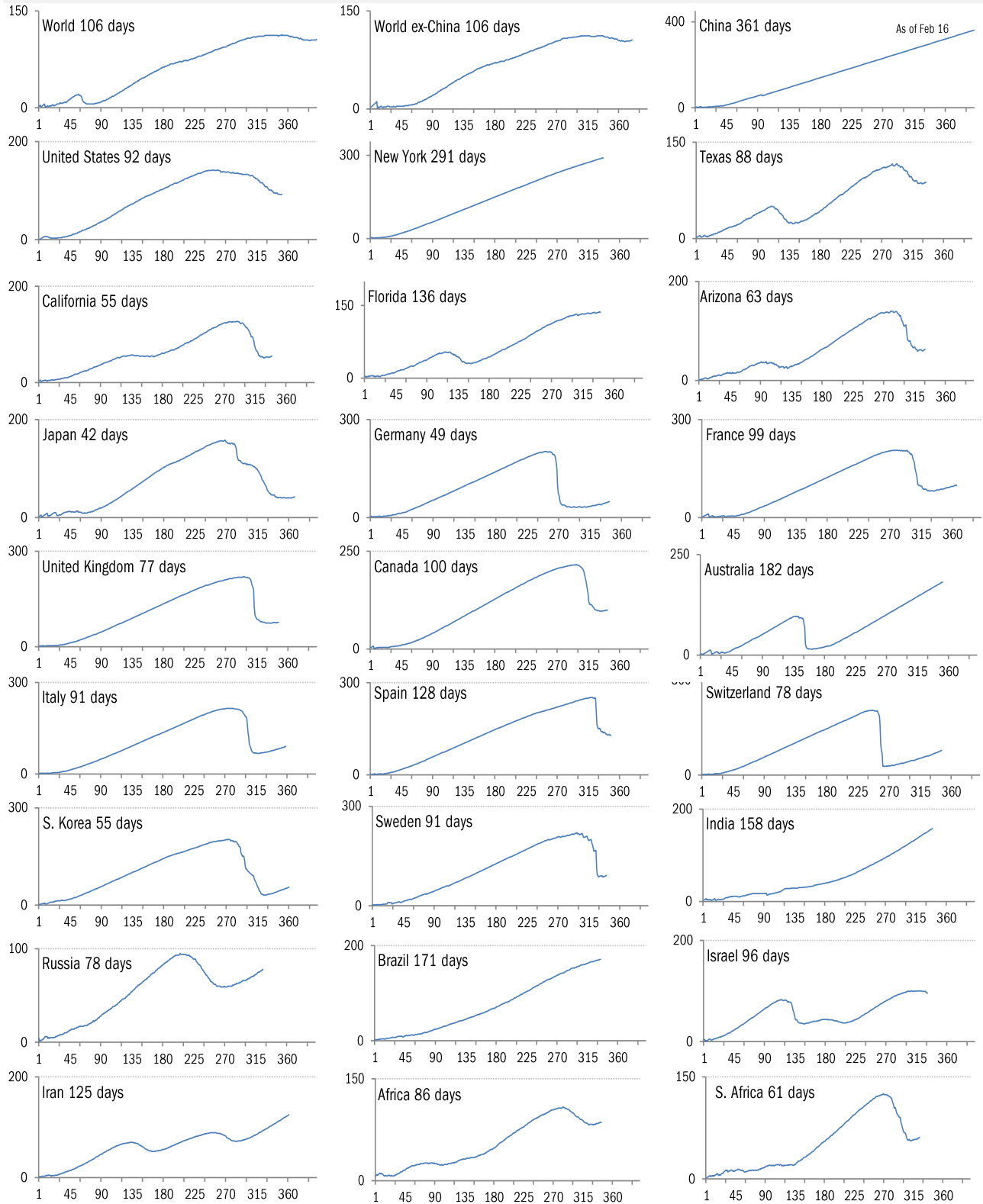


Source: [Johns Hopkins](#), [Covid Tracking Project](#), TrendMacro calculations

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

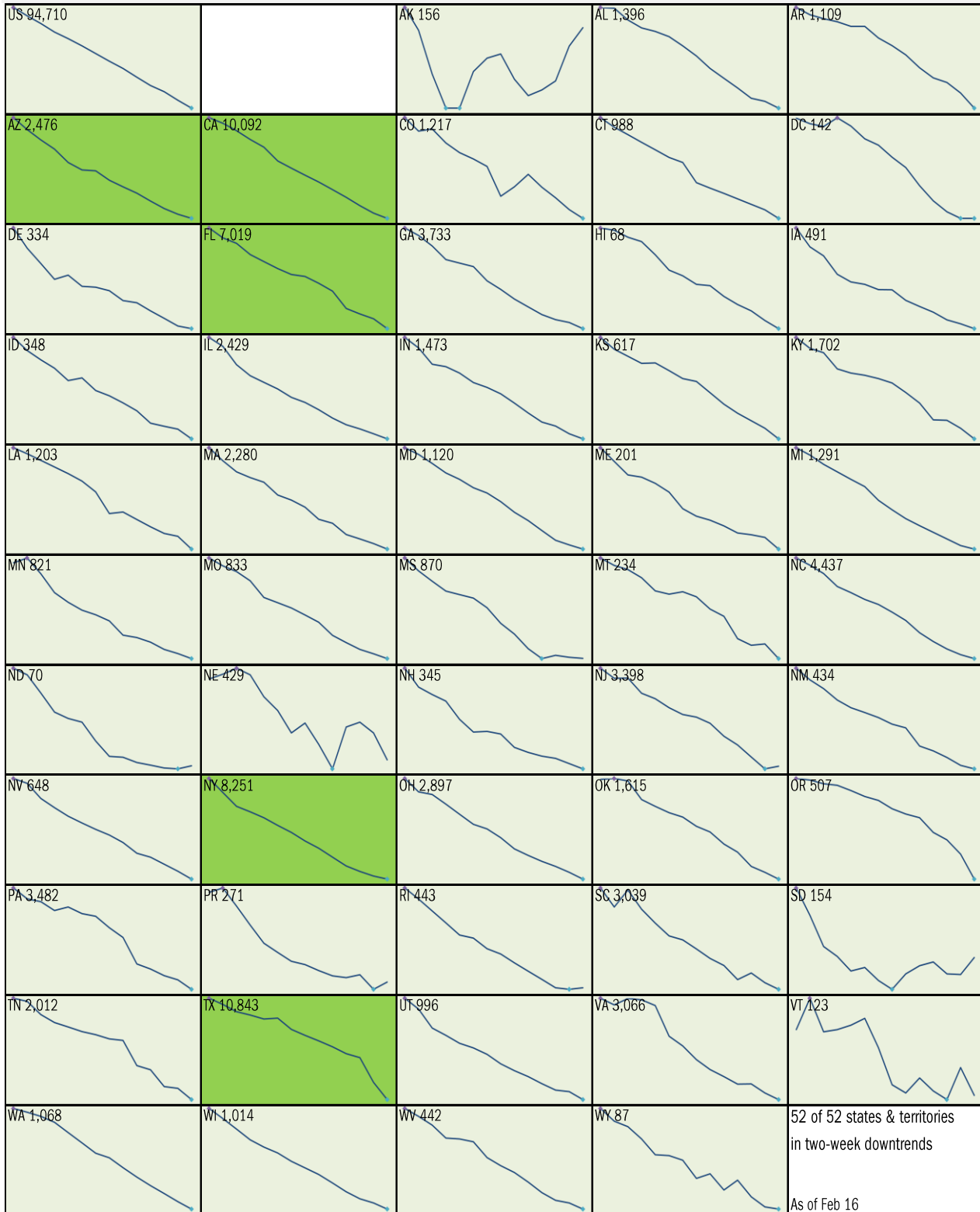
Vertical: days to double deaths Horizontal: days from first death

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



Source: [Johns Hopkins](#), [Covid Tracking Project](#), 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

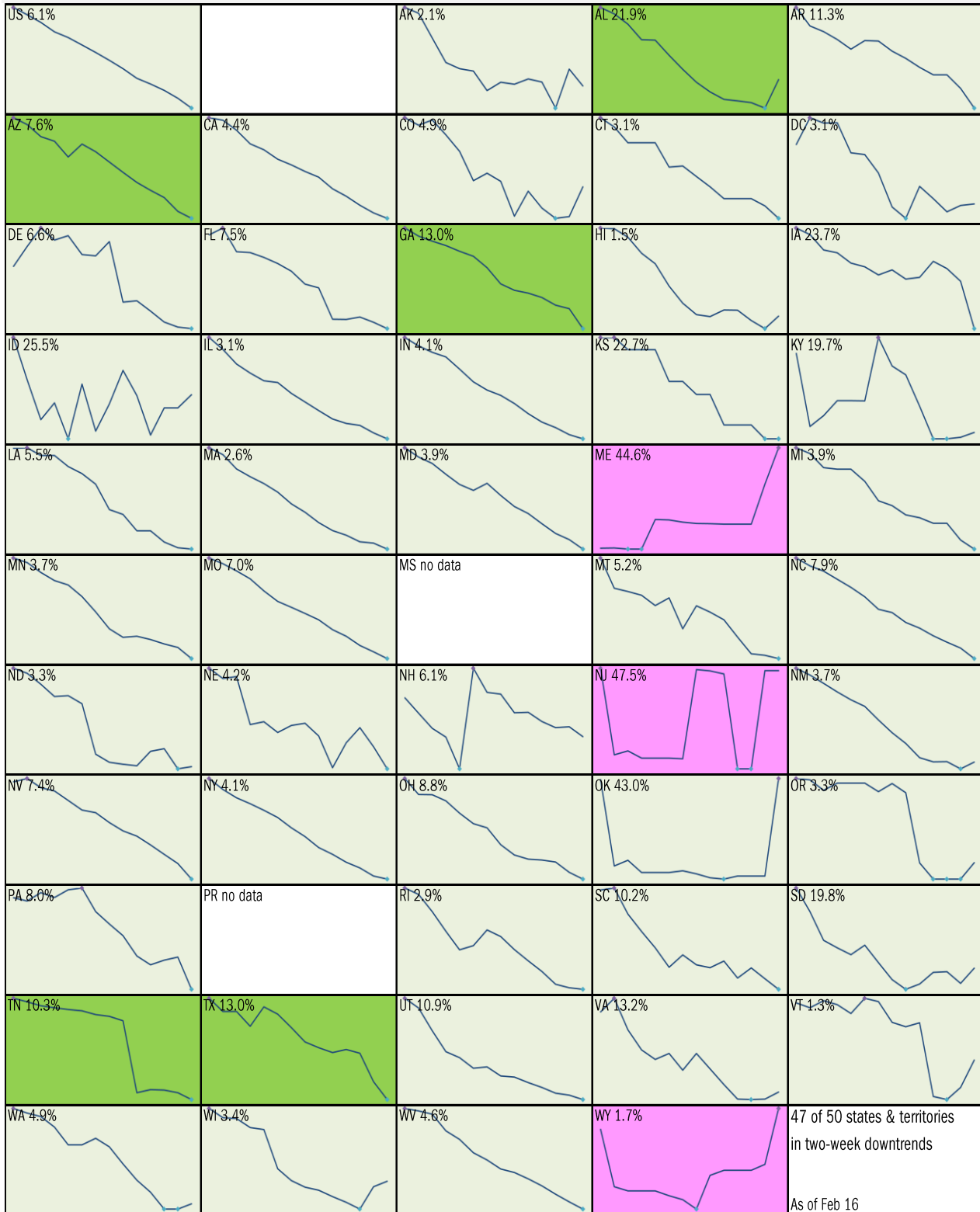


Source: [Covid Tracking Project](#), TrendMacro calculations

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

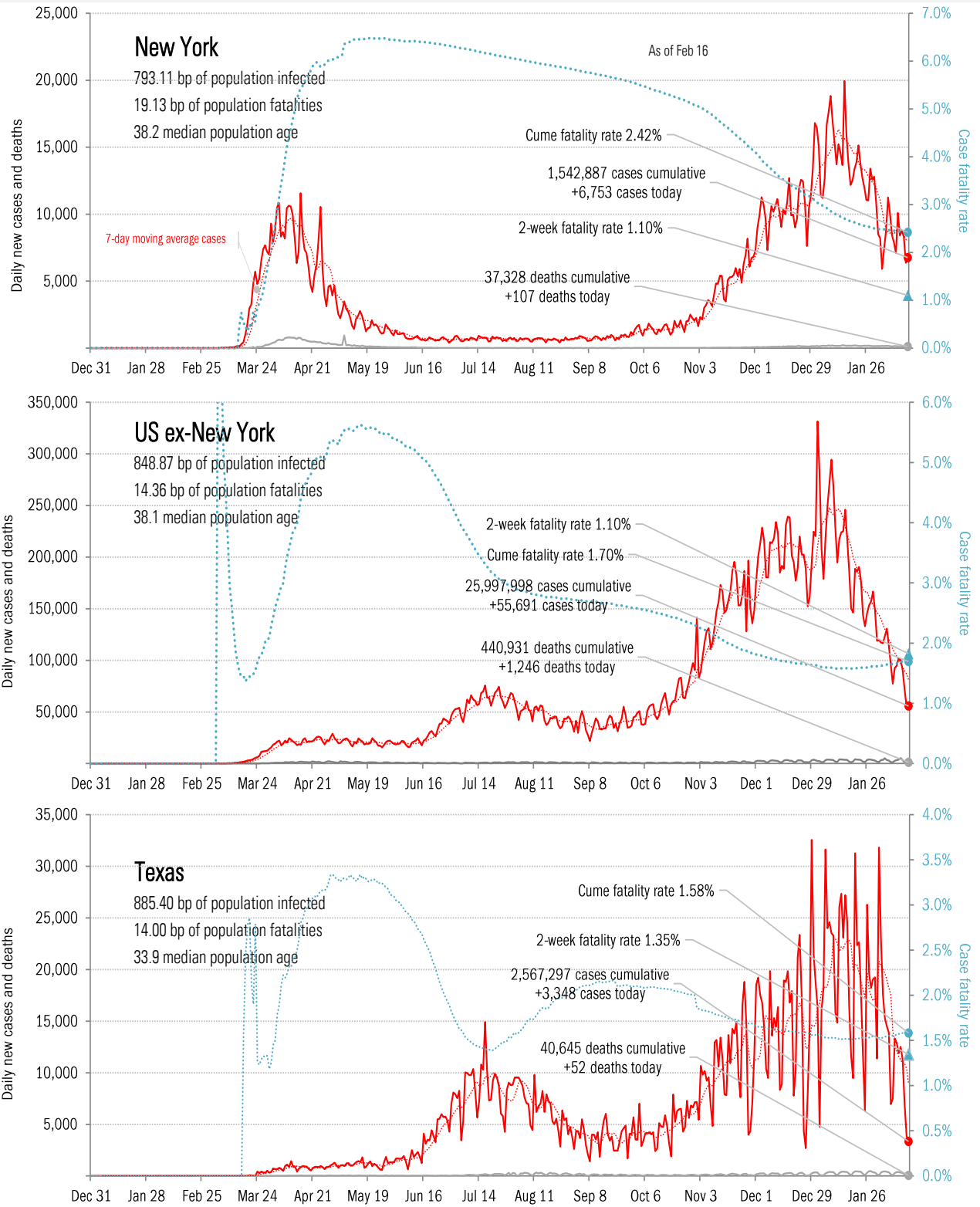
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



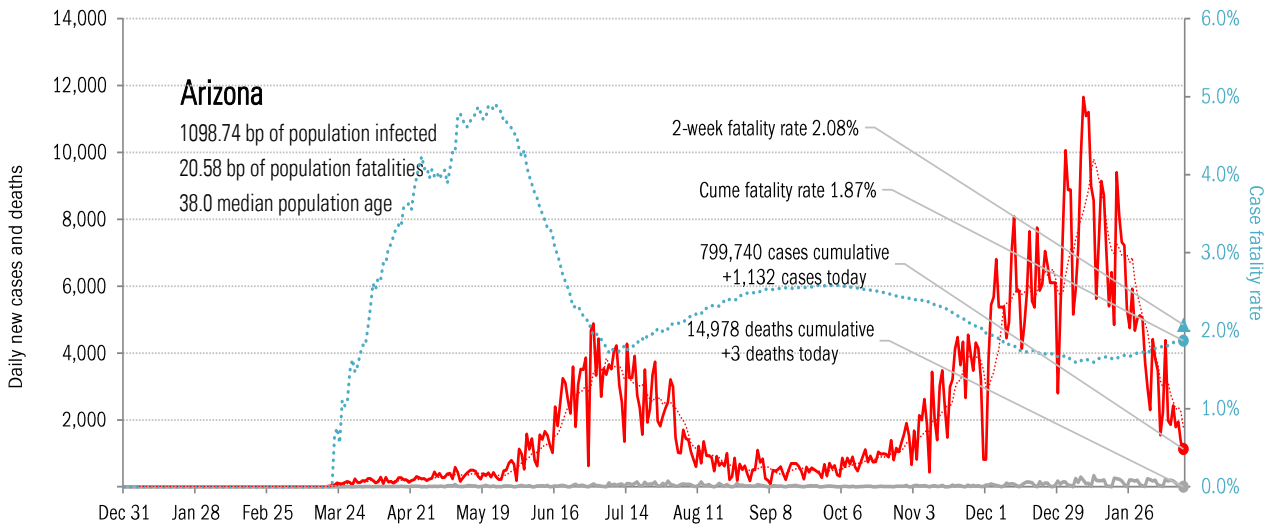
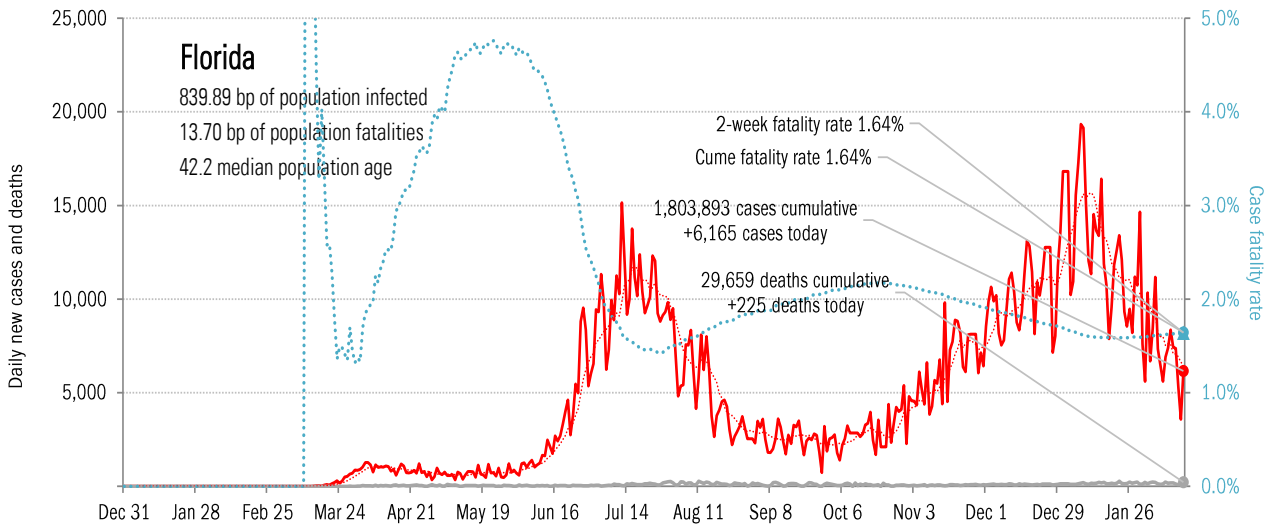
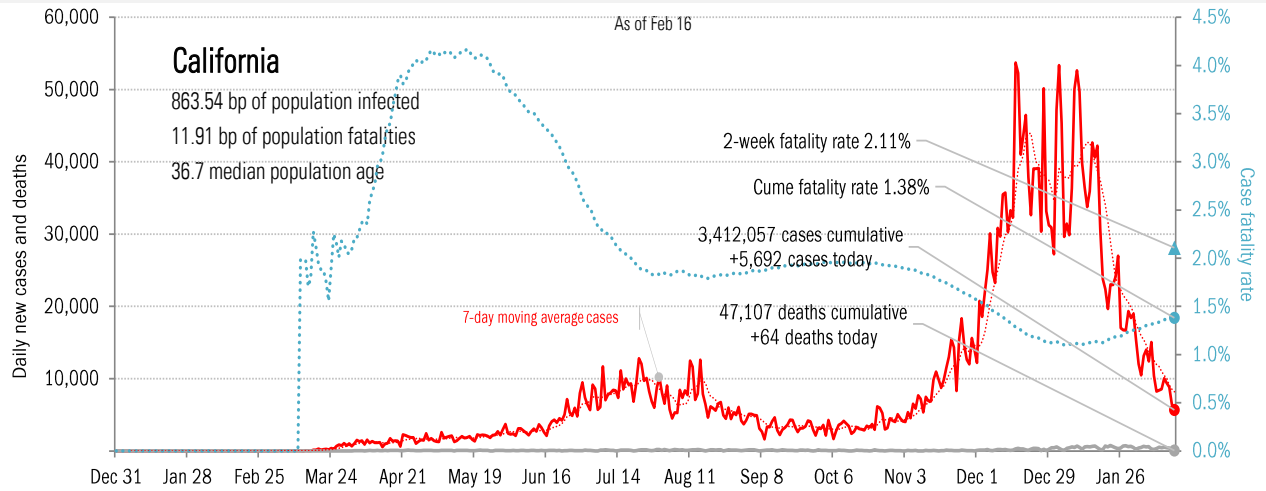
Source: [Covid Tracking Project](#), TrendMacro calculations

From Ground Zero to the Rio Grande



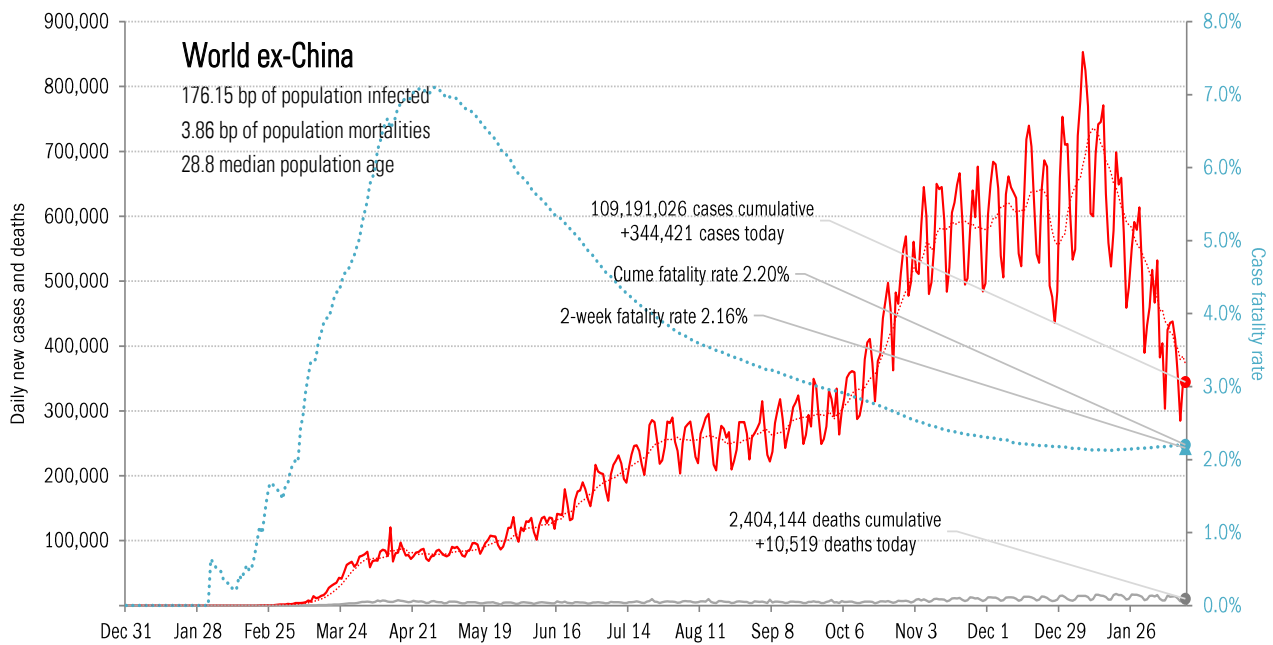
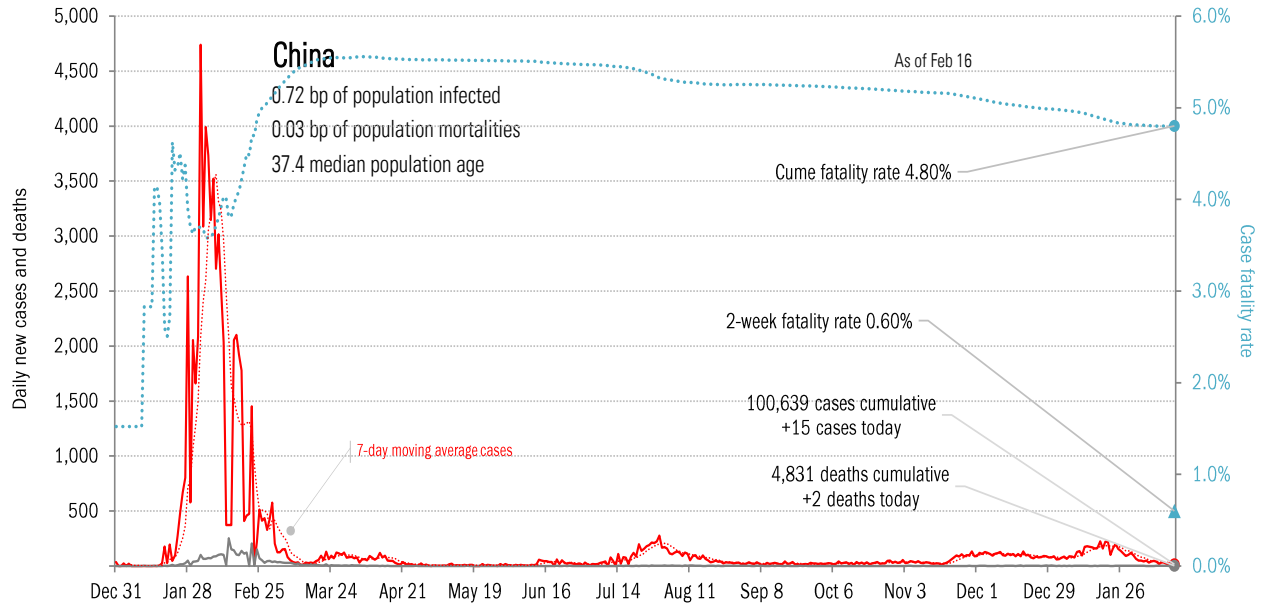
Source: [Covid Tracking Project](#), TrendMacro calculations

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



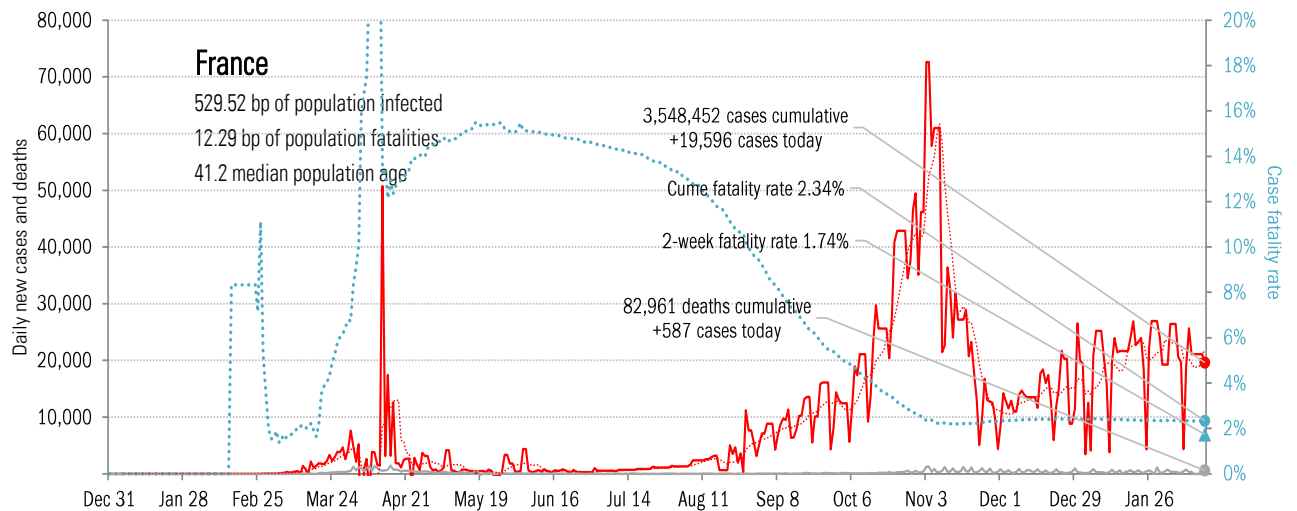
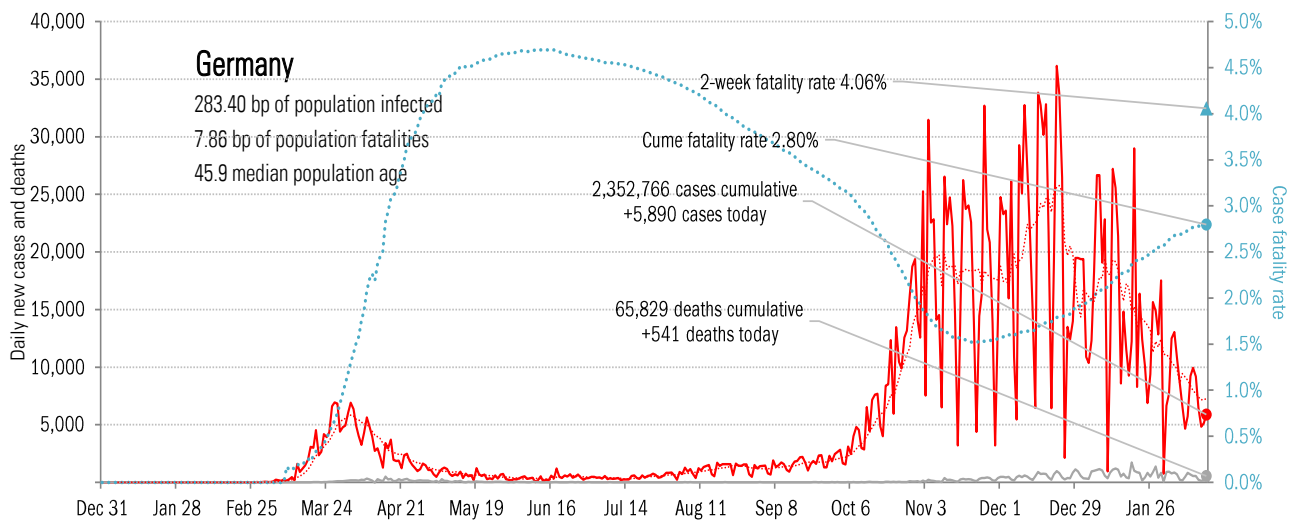
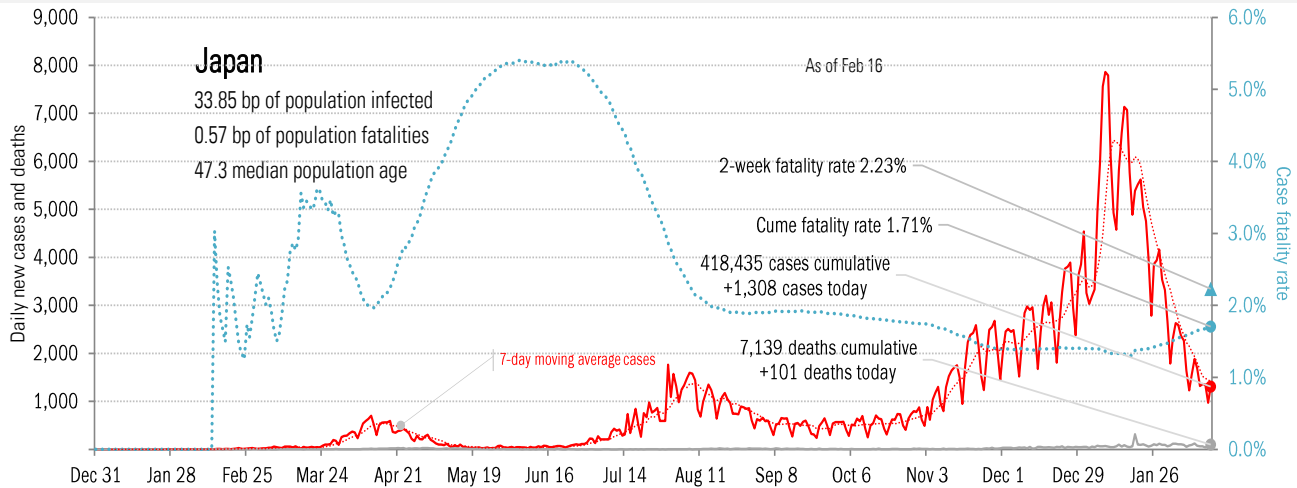
Source: [Covid Tracking Project](#), TrendMacro calculations

Patient zero... and then everyone else



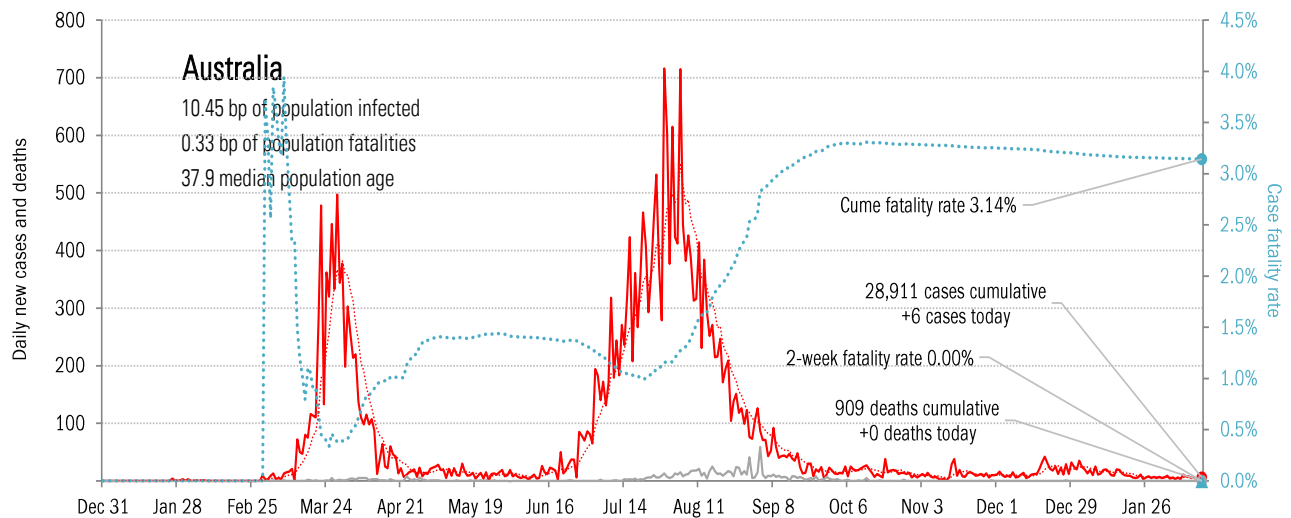
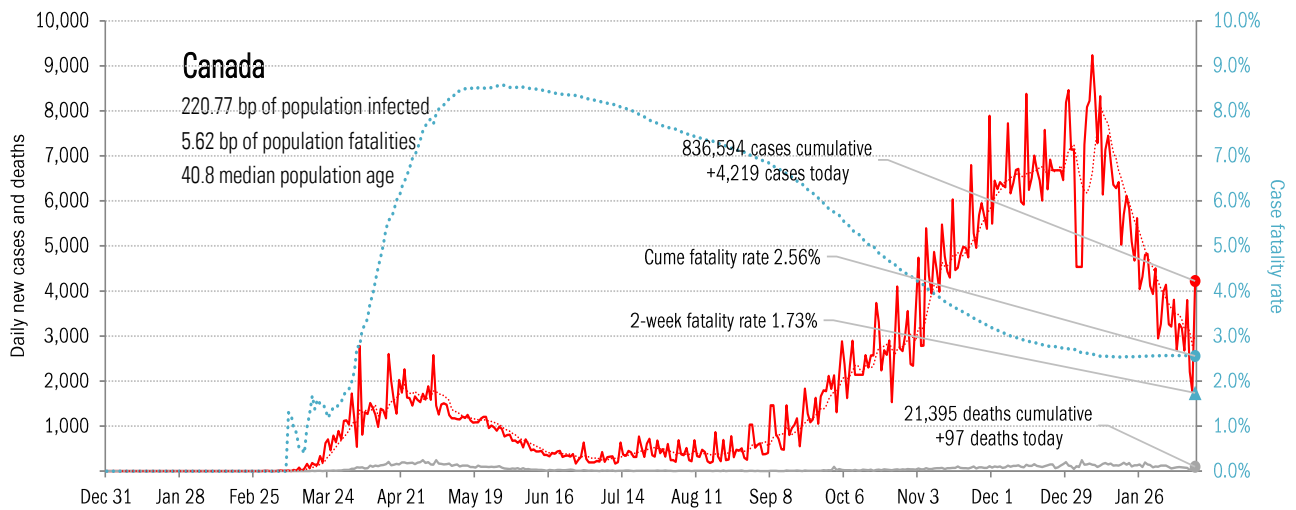
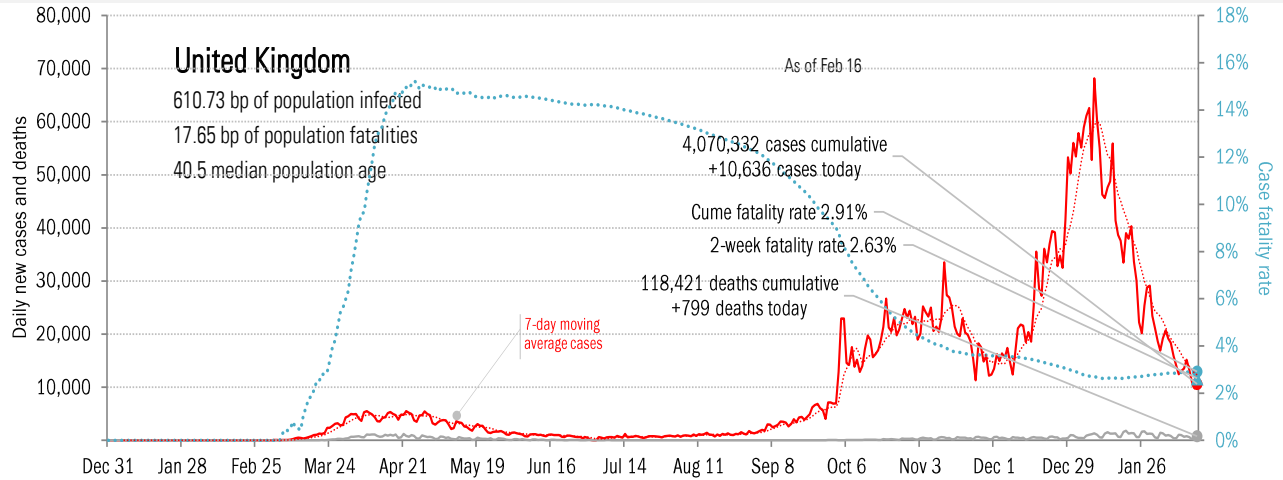
Source: [Johns Hopkins, Covid Tracking Project](#), TrendMacro calculations

Impact in the largest economies



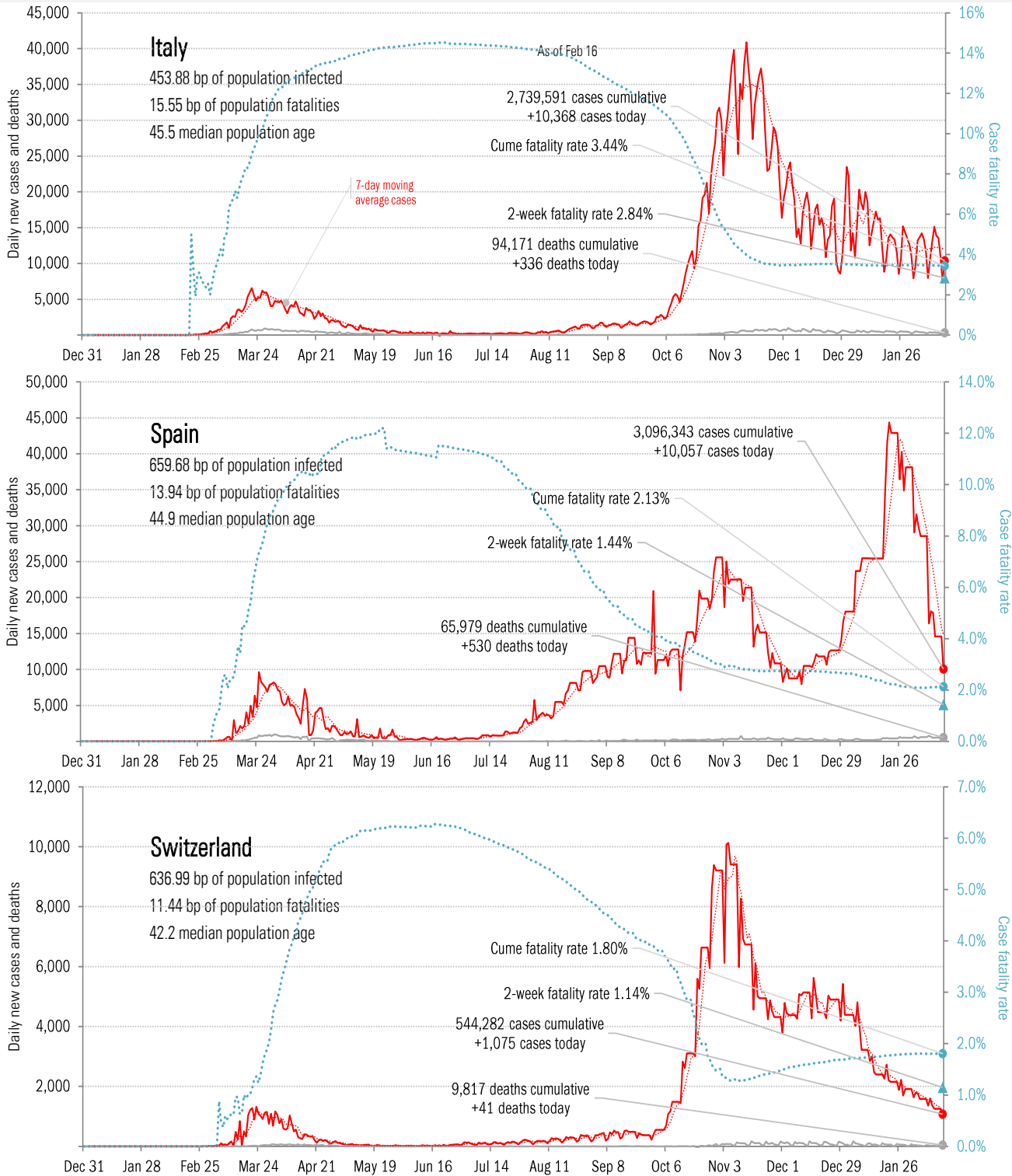
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in The Anglosphere



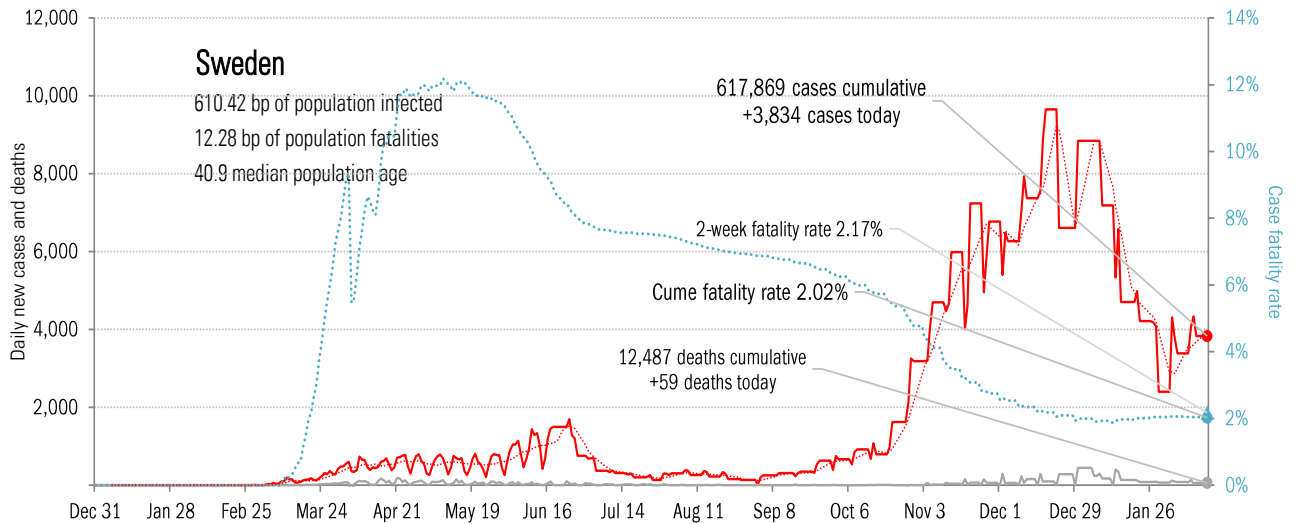
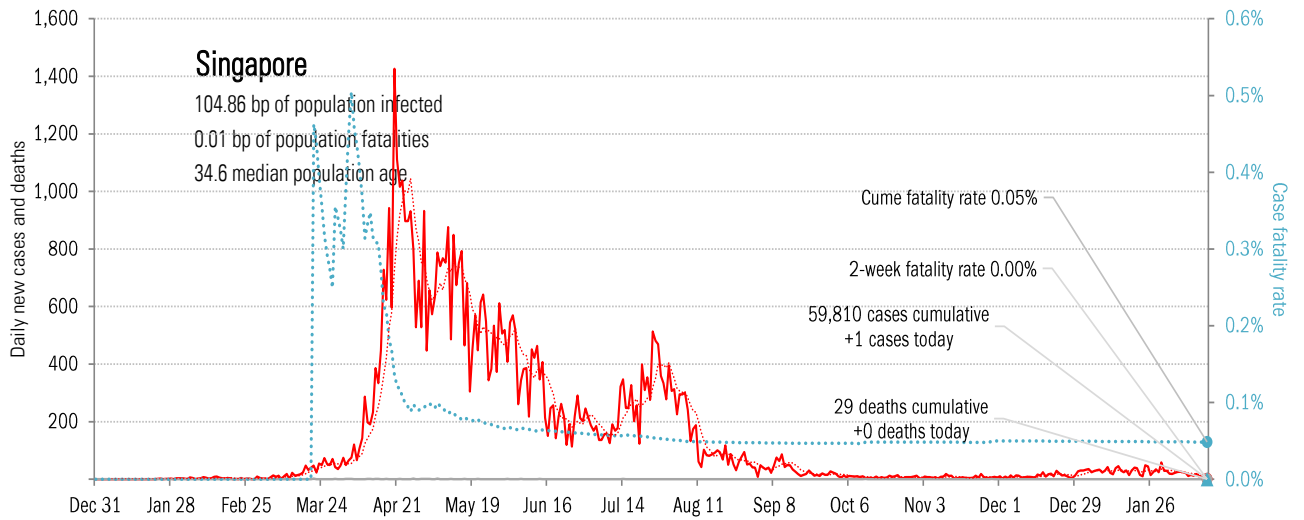
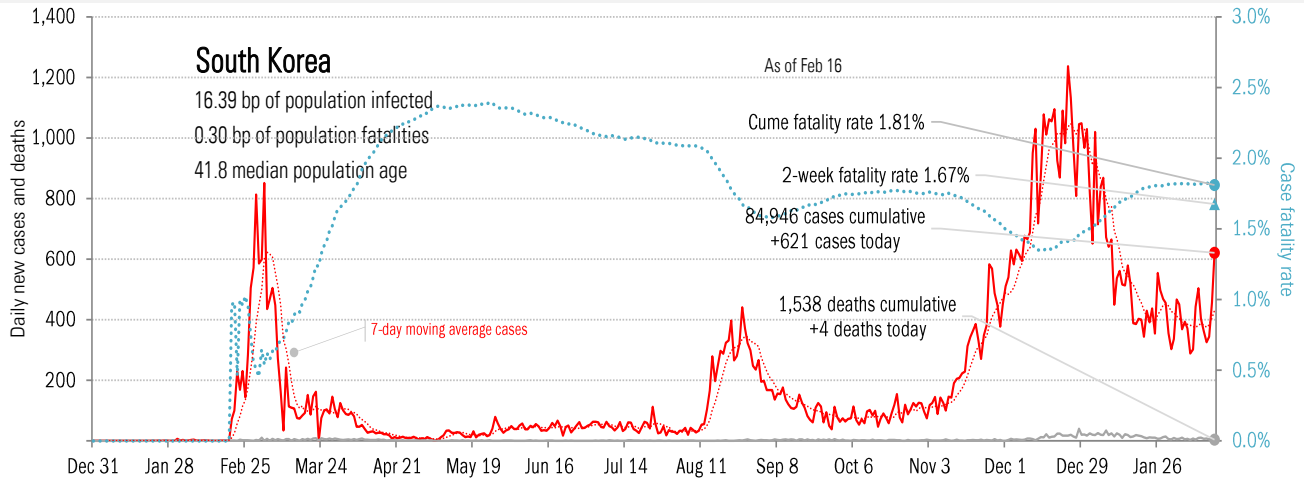
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in continental Europe



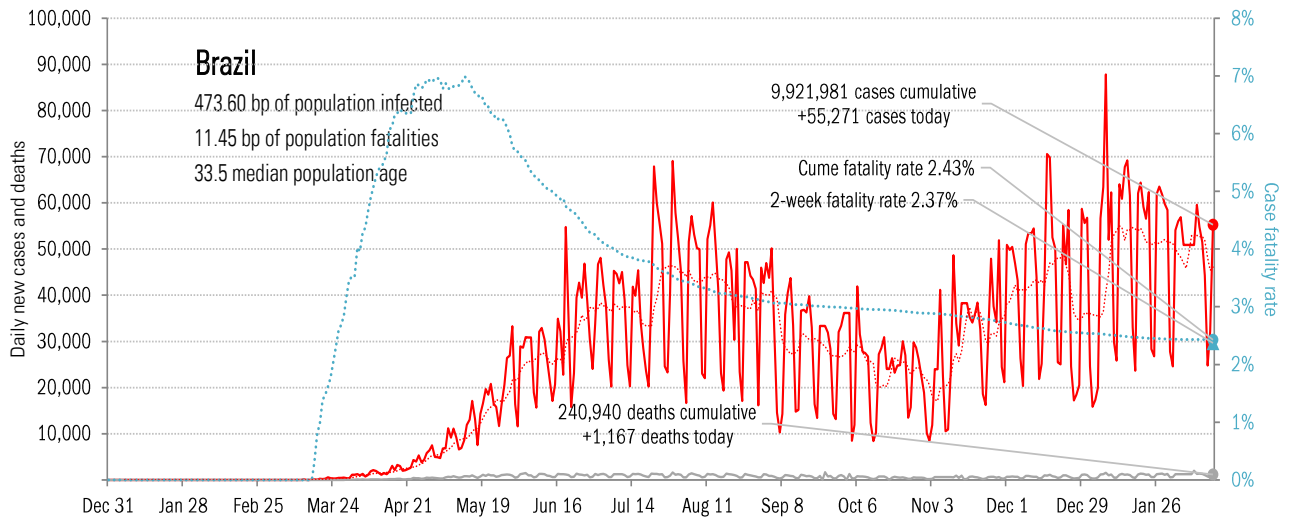
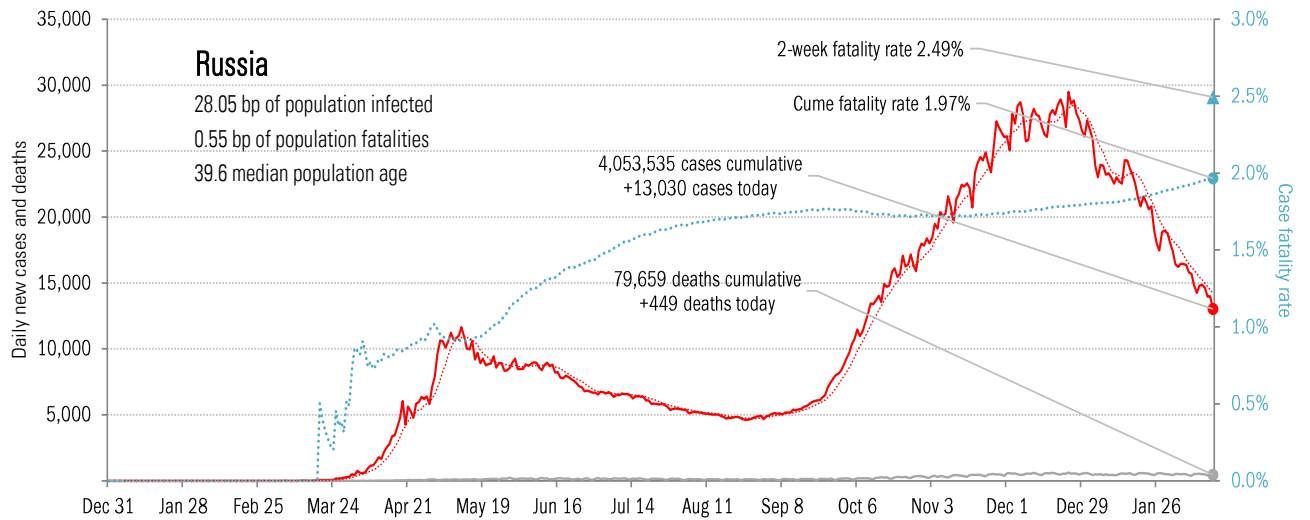
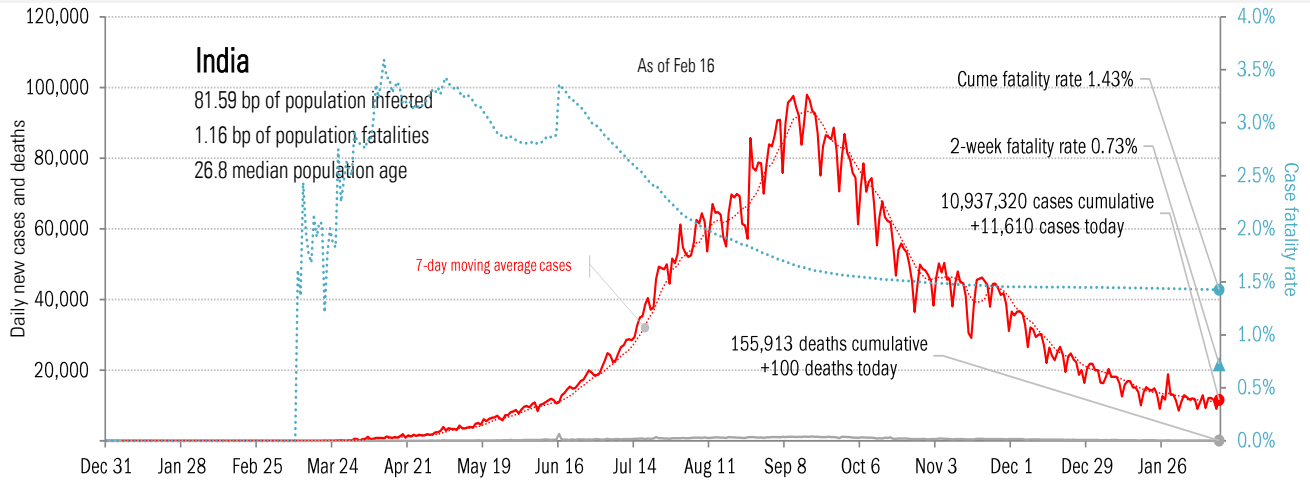
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in other hot-spots



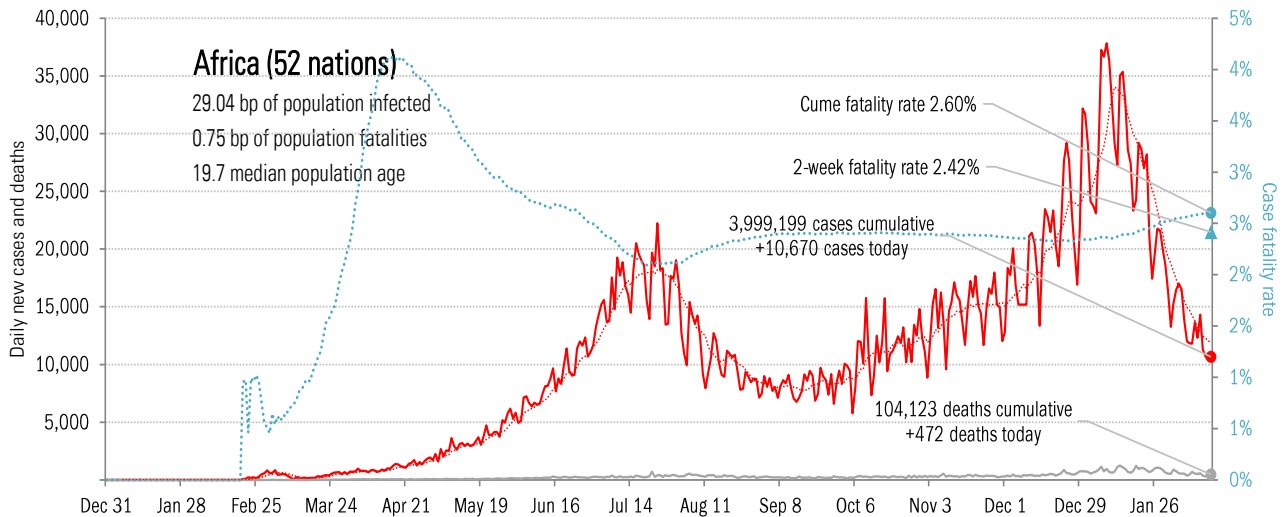
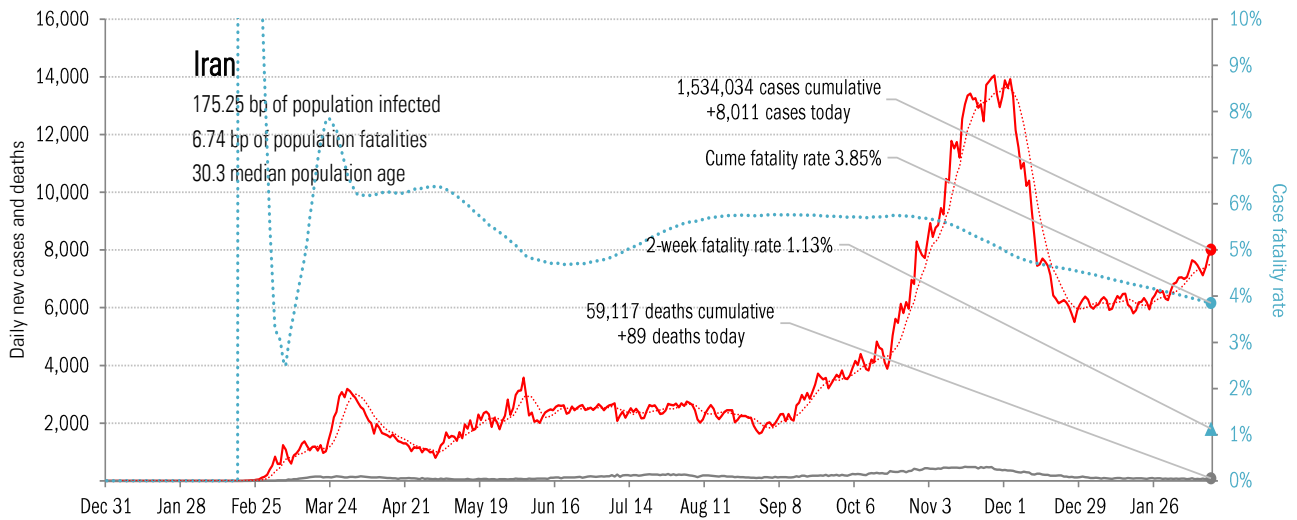
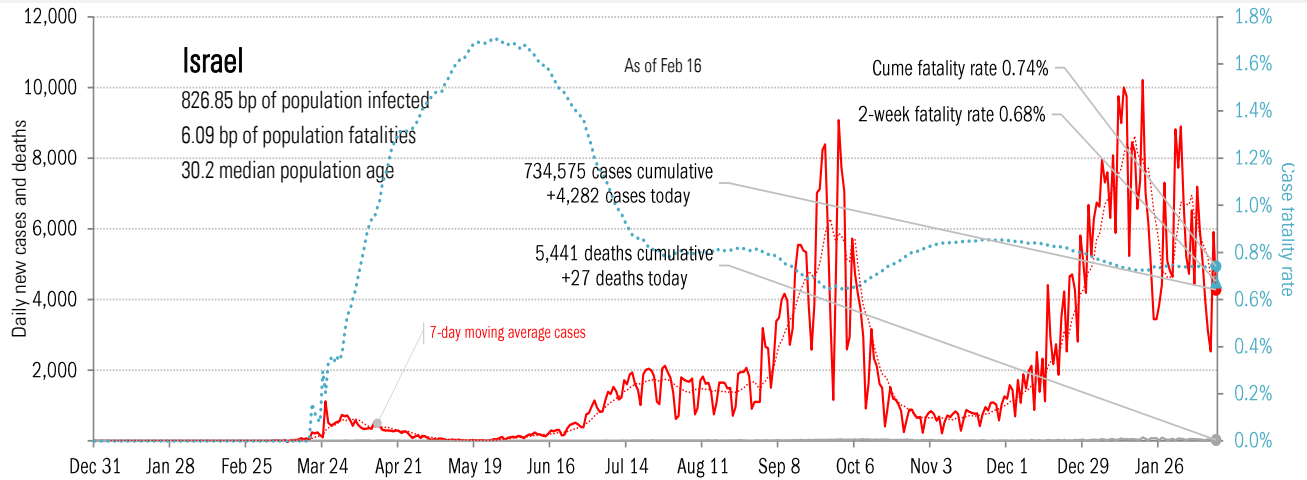
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the BRICs ex-China



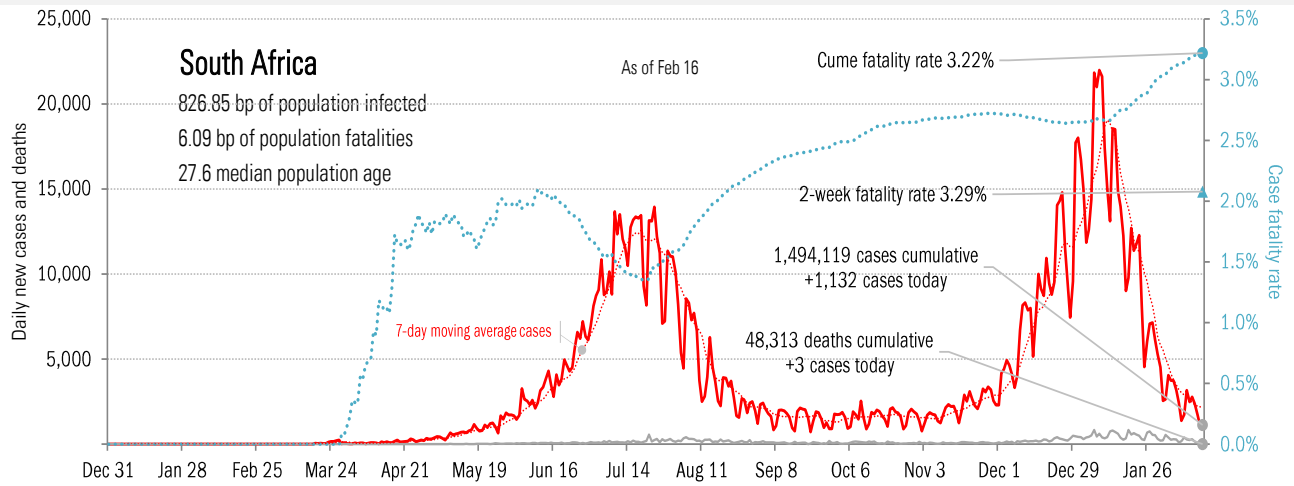
Source: [Johns Hopkins](#), TrendMacro calculations

Impact in the Middle East and Africa



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

Impact in Africa, continued



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