

## Data Insights: Covid-2019 Monitor

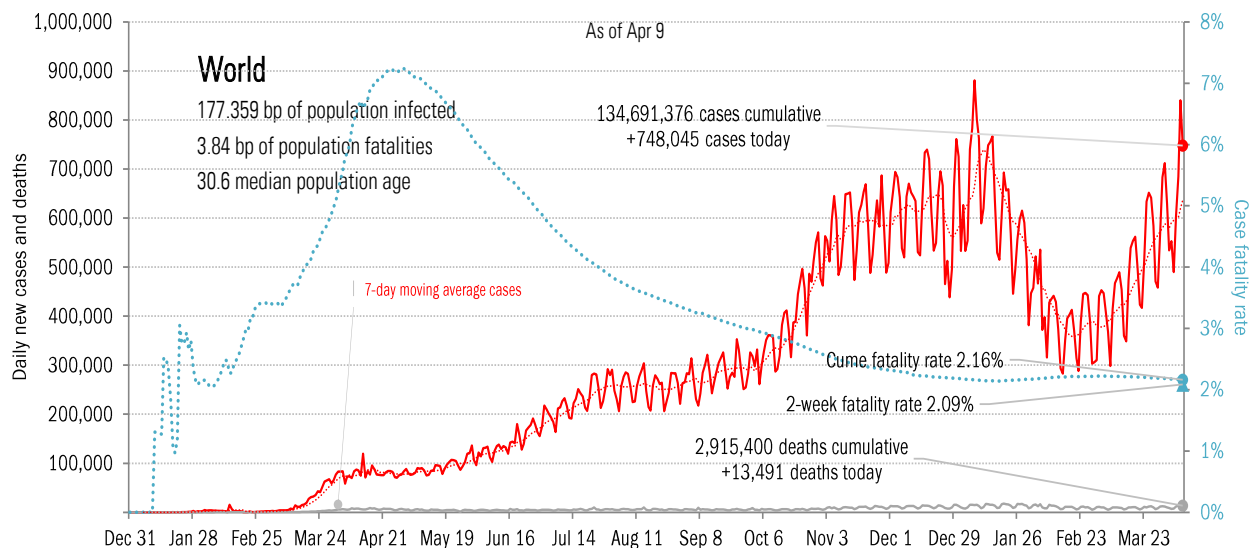
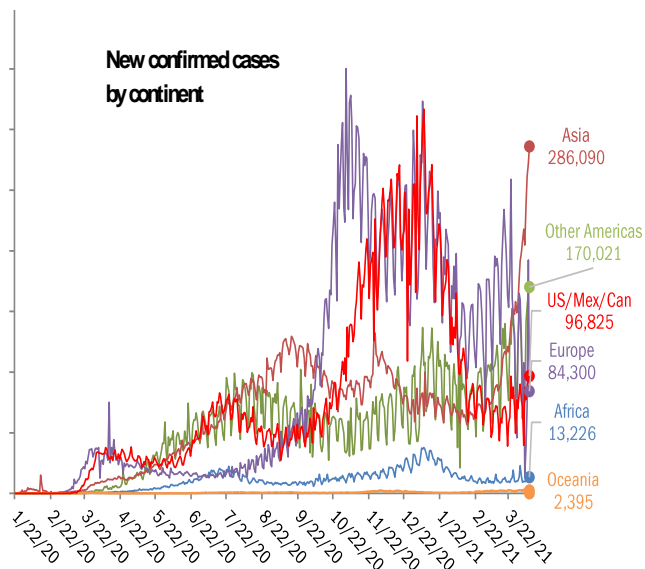
Saturday, April 10, 2021

### The global scorecard

#### The worst ten countries

New cases		New Deaths	
India	+145,384	Brazil	+3,693
Brazil	+93,317	United States	+958
United States	+82,698	Mexico	+874
Turkey	+55,791	India	+794
Poland	+28,499	Poland	+768
Argentina	+24,130	Italy	+718
Germany	+23,935	Ukraine	+425
Iran	+22,478	Philippines	+401
Ukraine	+19,799	Russia	+396
Italy	+18,924	Peru	+307
<b>+514,955</b>		<b>+9,334</b>	
World +748,045		World +13,491	
Topten 69%		Topten 69%	

#### 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

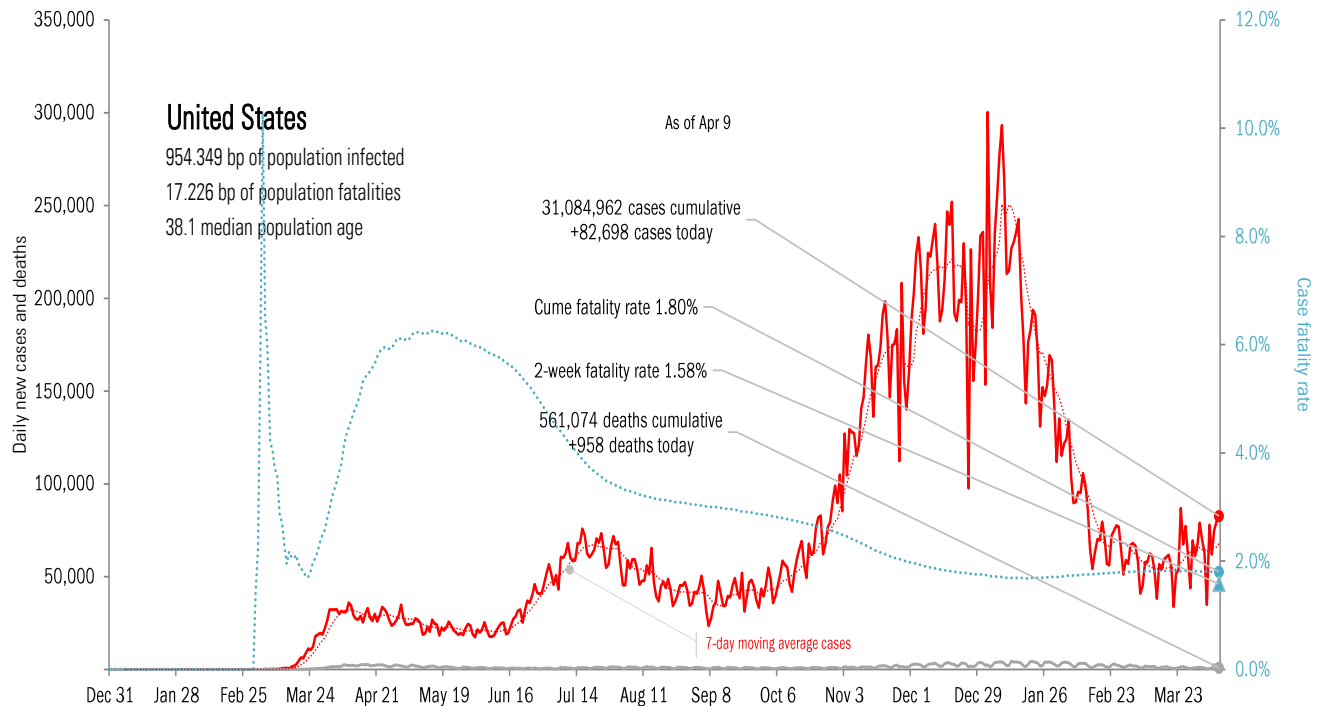
## The ten worst US states

New cases			New Deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
MI	+8,834		CA	+157		FR	+205		CA	3,693,674		CA	60,286		TX	230,397		R	90%	MI	29%
NY	+8,662		TX	+104		MI	+124		TX	2,822,889		NY	50,977		CA	225,627		MA	84%	MD	25%
FL	+7,121		CH	+86		GA	+108		FL	2,111,807		TX	49,121		FL	157,459		MD	83%	RI	20%
PA	+5,141		NY	+79		IL	+54		NY	1,942,469		FL	33,968		NY	120,811		PA	81%	NY	18%
NJ	+4,193		FL	+62		FL	+38		IL	1,273,085		PA	25,358		GA	96,993		MO	81%	DC	18%
IL	+4,007		GA	+50		NJ	+30		GA	1,071,130		NJ	24,826		CH	77,697		MI	80%	PA	16%
CA	+3,643		PA	+46		ND	+25		PA	1,066,707		IL	23,762		PA	77,625		CT	80%	MN	16%
TX	+3,289		NJ	+43		MN	+24		CH	1,035,552		GA	19,424		IL	70,990		MN	79%	NJ	14%
MN	+2,646		MI	+29		WA	+21		NJ	946,504		CH	18,827		KY	69,597		FL	78%	TX	14%
NC	+2,509		MT	+27		CO	+18		NC	929,406		MI	17,479		AZ	59,058		WV	78%	WV	13%
+50,045			+683			+647			16,893,223			324,028			1,186,254						
All states	+82,698		+958			+776			All states	31,084,962		561,074			2,115,580			All states	70%	67%	
Top ten	61%		71%			83%			Top ten	54%		58%			56%			Median	71%	10%	

Some states not reporting

## Five most improved US states

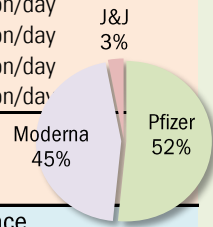
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
TX	-1,201	MI	-48	MI	-93	ME	+112 bp
FL	-818	AZ	-25	MD	-69	ND	+102 bp
CH	-796	FL	-22	KY	-68	VT	+91 bp
VA	-386	GA	-19	CT	-27	CT	+90 bp
TN	-340	TN	-17	IN	-26	WI	+88 bp



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

# Rolling out the vaccines in the US and the world

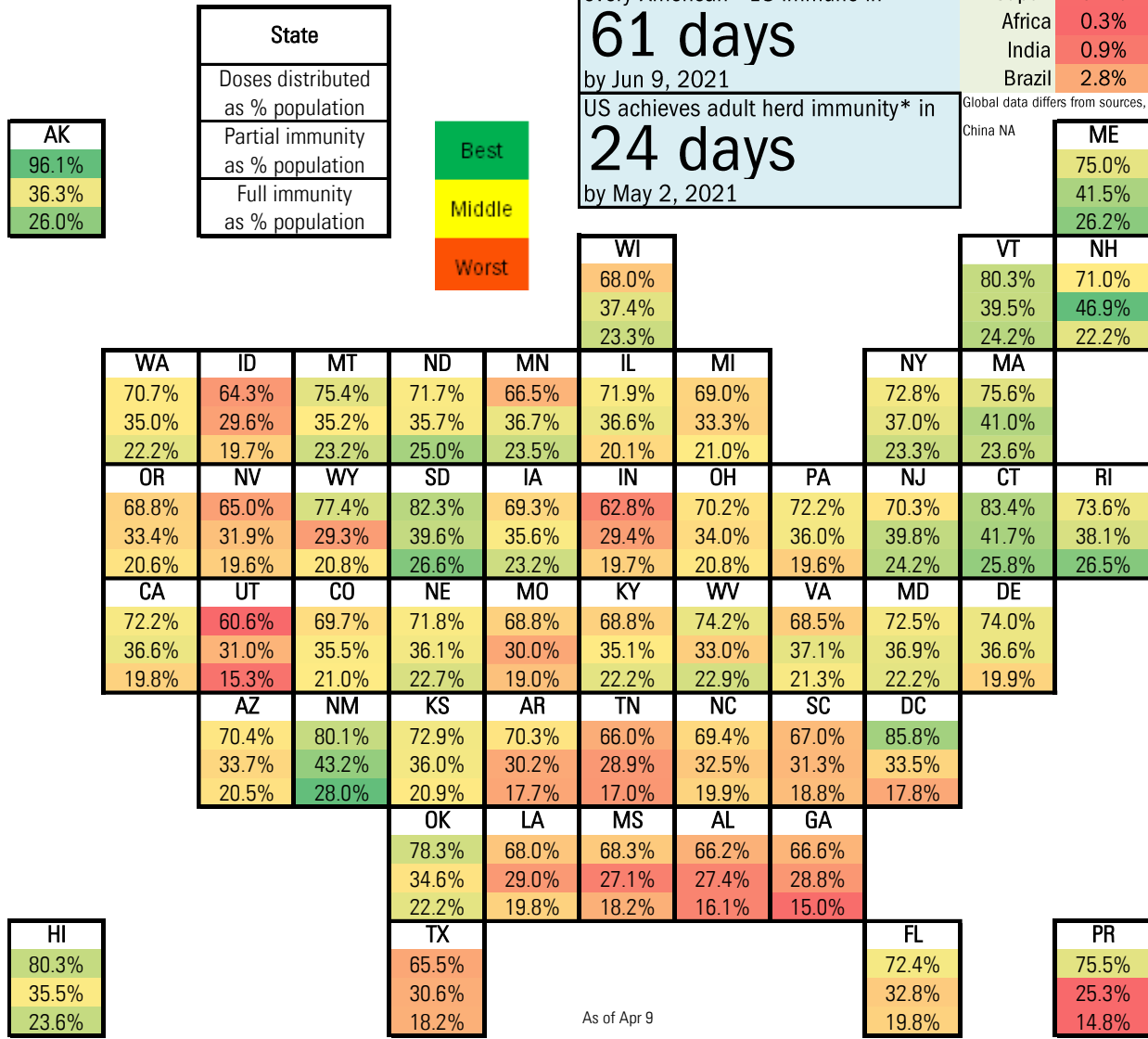
US overall	Over last day	Immunity	Full	Partial
243.86 million doses distributed	+4.30 million/day	US	20.4%	34.2%
185.81 million doses administered	+4.04 million/day	UK	9.6%	47.0%
118.19 million persons partially immunized	+2.42 million/day	France	5.1%	14.9%
70.90 million persons fully immunized	+2.04 million/day	Spain	6.6%	15.3%
7.76 million shots long-term care residents/staff	+0.00 million/day	Germany	5.8%	14.6%
<b>76.2% of distributed doses administered</b>		Italy	6.3%	14.4%
<b>35.4% of US pop partial</b>	<b>21.2% full immunity</b>	Australia	0.8%	0.6%
<b>100% of LTC partial</b>	<b>63.7% full immunity</b>	Israel	56.8%	61.3%
		Canada	2.1%	18.0%
		Japan	0.4%	0.9%
		Africa	0.3%	0.6%
		India	0.9%	6.2%
		Brazil	2.8%	9.4%



At today's dosing pace, every American >18 immune in **61 days** by Jun 9, 2021

US achieves adult herd immunity\* in **24 days** by May 2, 2021

Global data differs from sources, timing



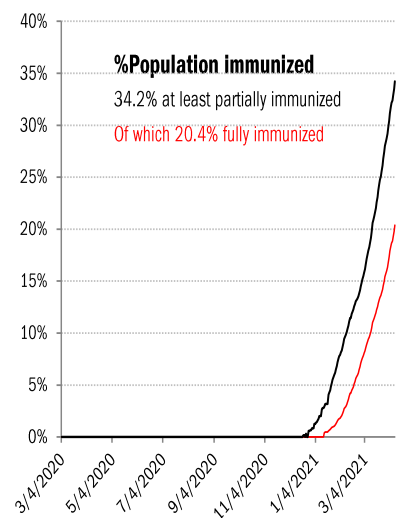
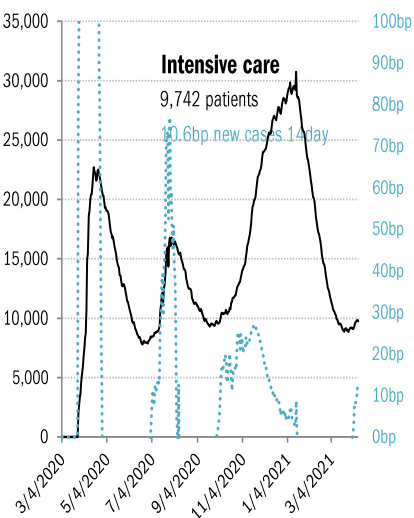
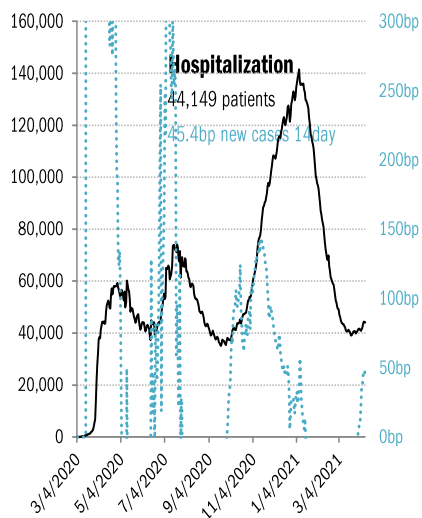
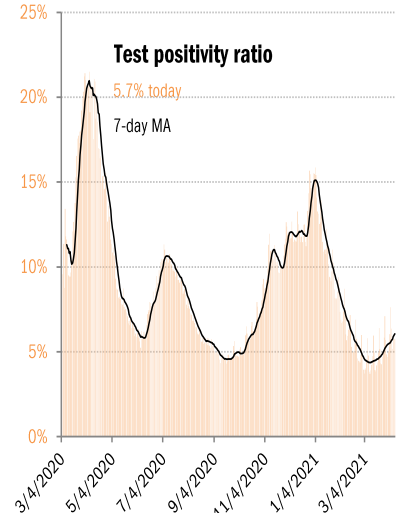
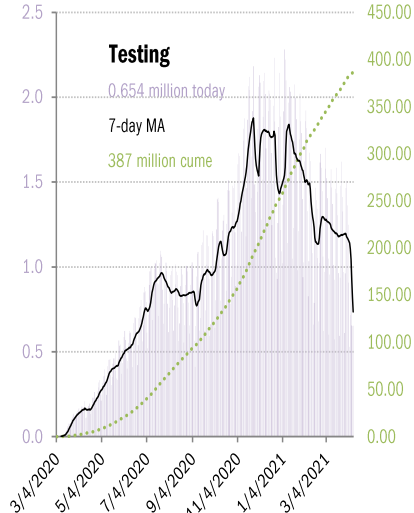
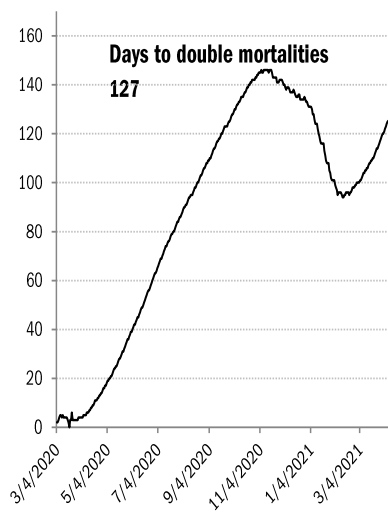
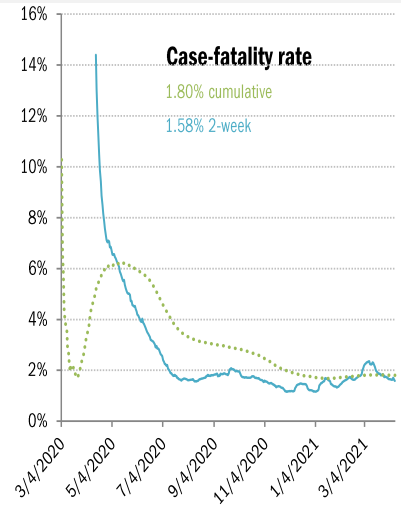
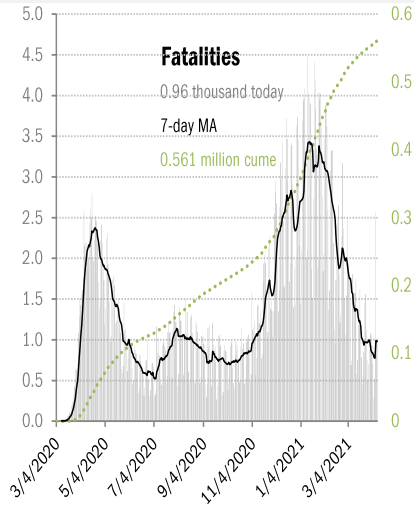
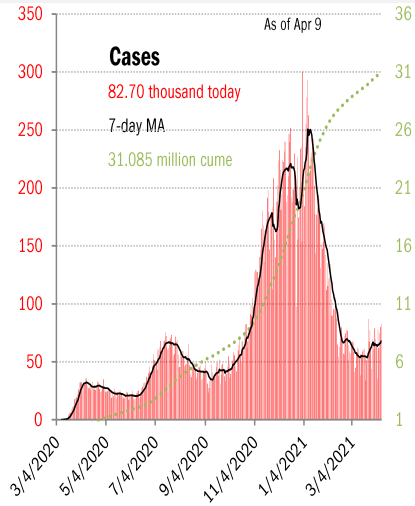
As of Apr 9

\* Adult herd immunity is 60% of population over 18 years either fully vaccinated or prior tested positive, no overlap

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

# US deep-dive

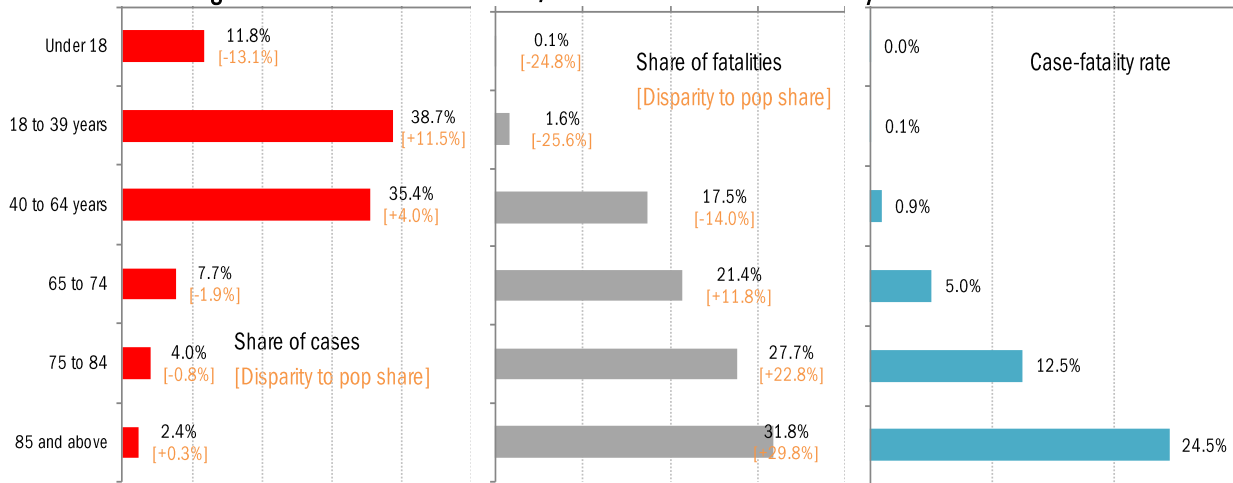
National and state-by-state data do not line up because of different sources



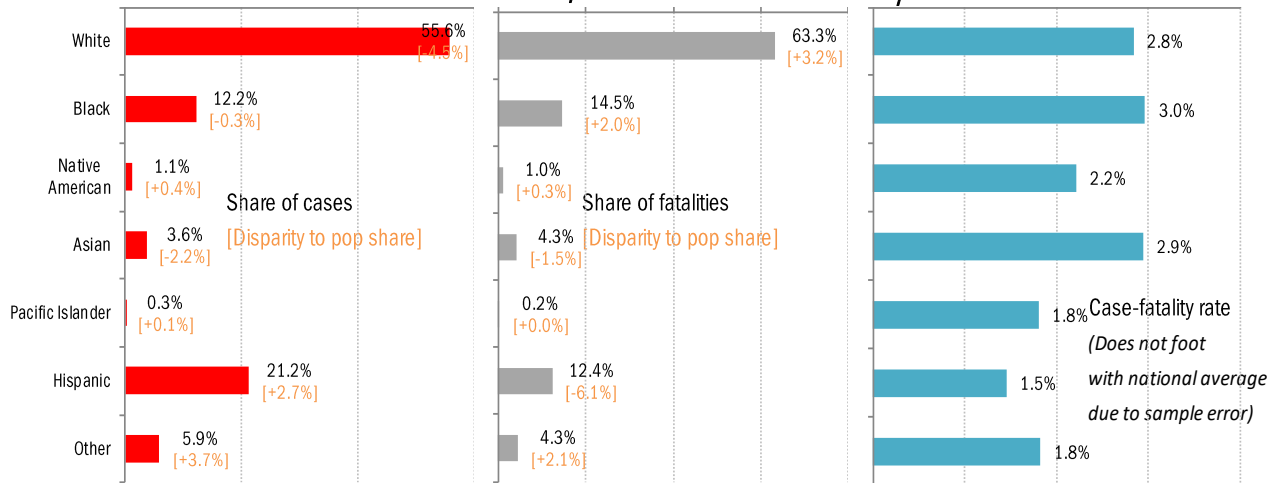
Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

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

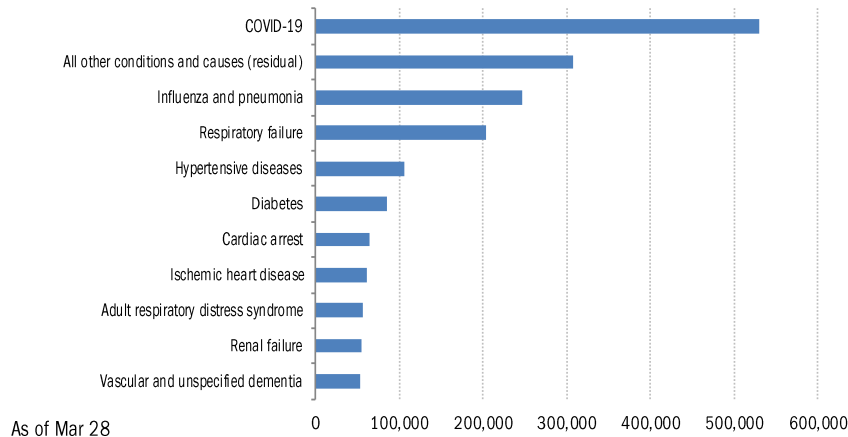


## Racial distribution of US cases, fatalities and case-fatality rates



## Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



For 6% 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

### [Thrombosis and Thrombocytopenia after ChAdOx1 nCoV-19 Vaccination](#)

Nina H. Schultz et al.  
*New England Journal of Medicine*  
April 9, 2021

### [The one place where almost everyone is vaccinated](#)

Dave Lawler  
*Axios*  
April 9, 2021

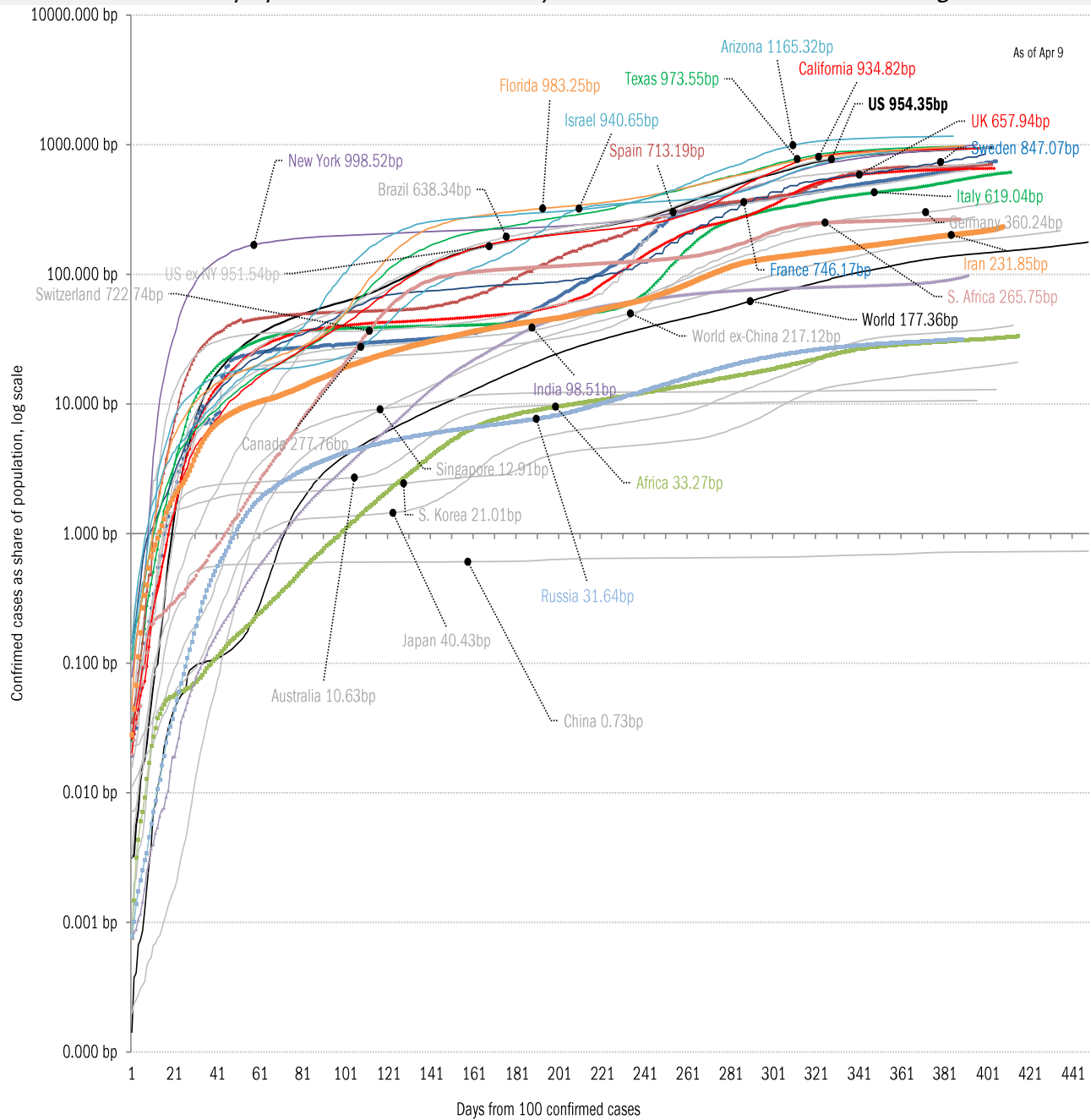
## Meme of day



**Return To Normal: Texas Announces They Will Go Back To Shooting People Wearing Masks On The Assumption They're Stagecoach Robbers**

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

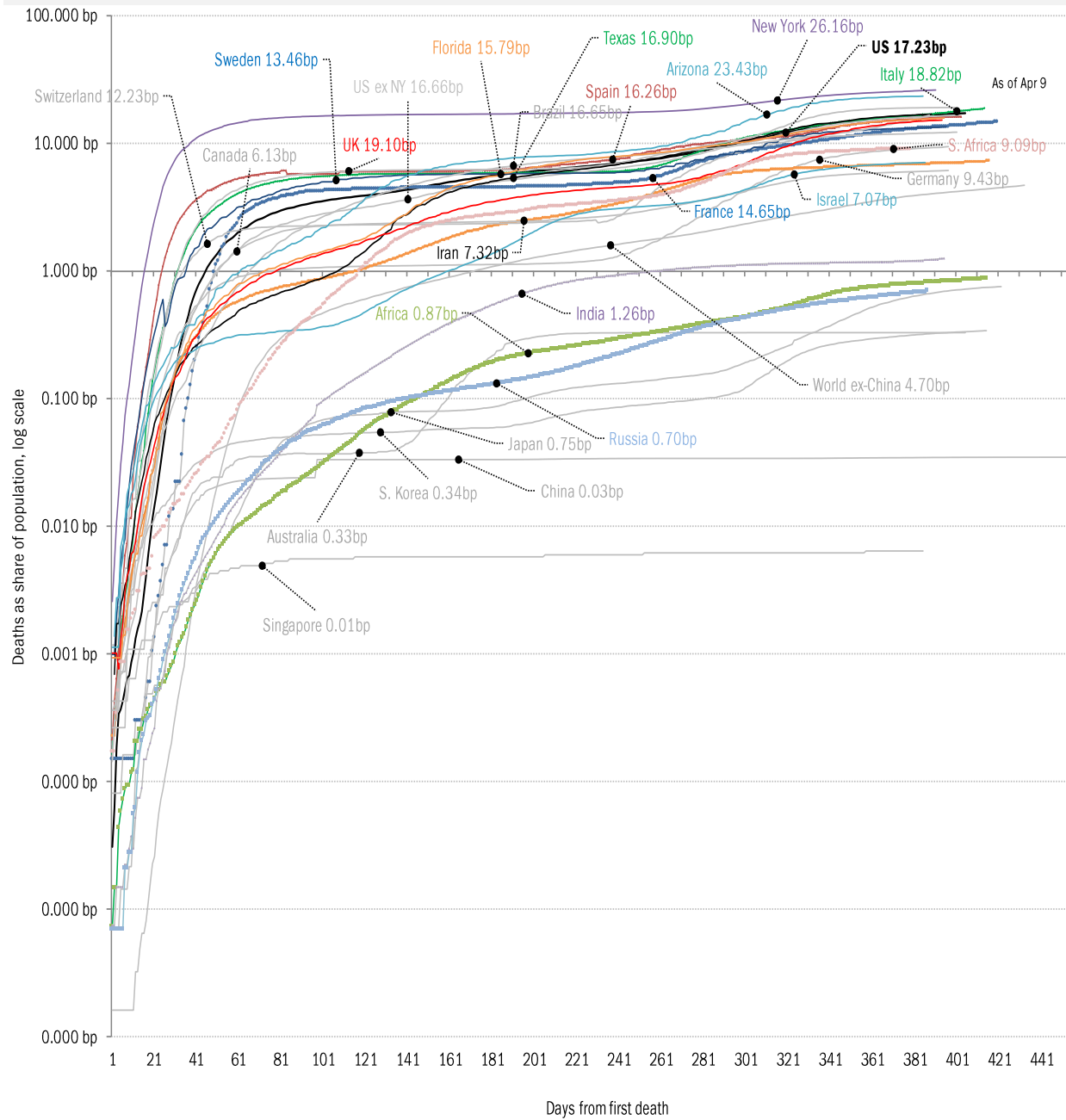
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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

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

## Share of deceased population from day of first fatality



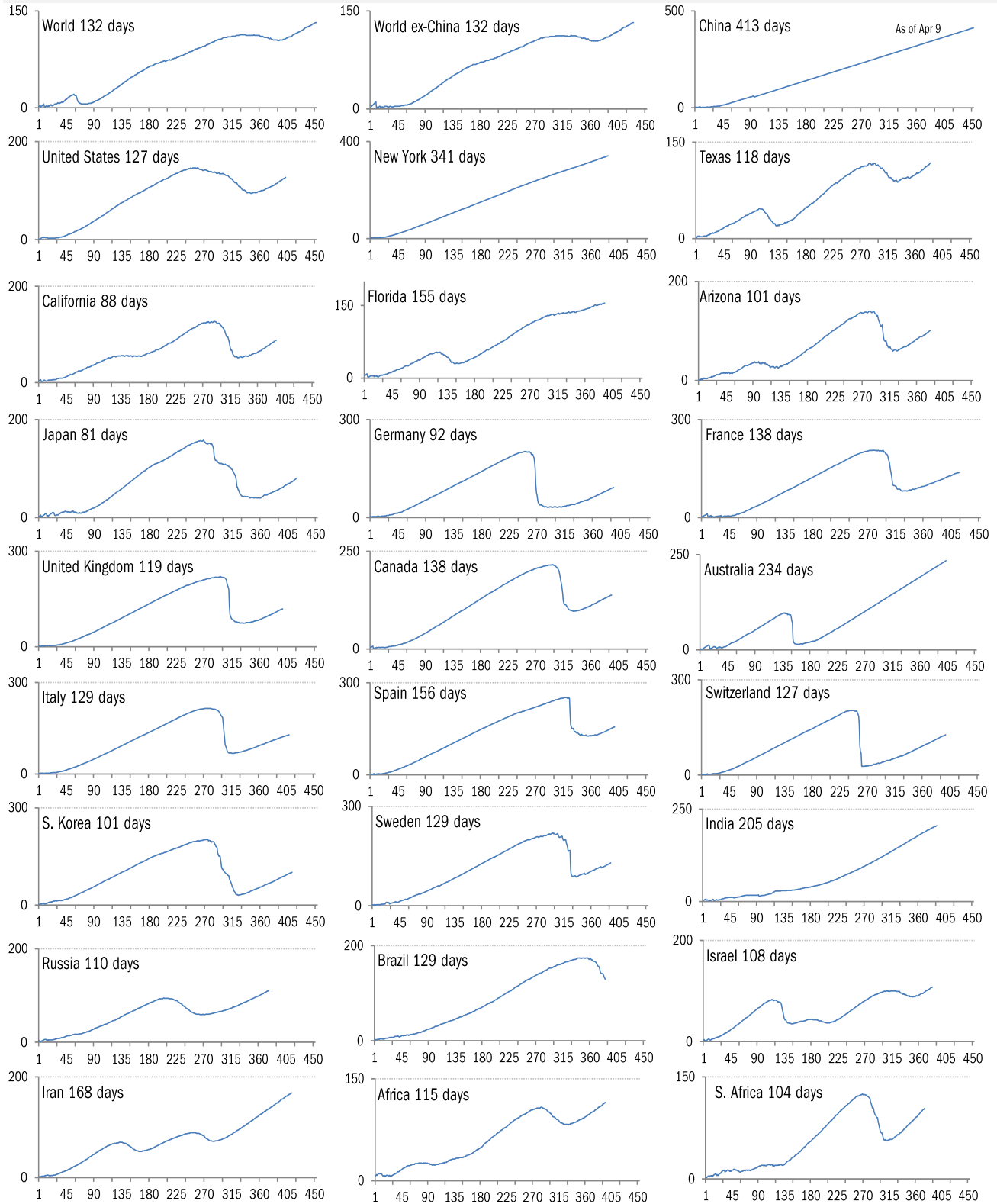
Source: [Johns Hopkins](#), TrendMacro calculations



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

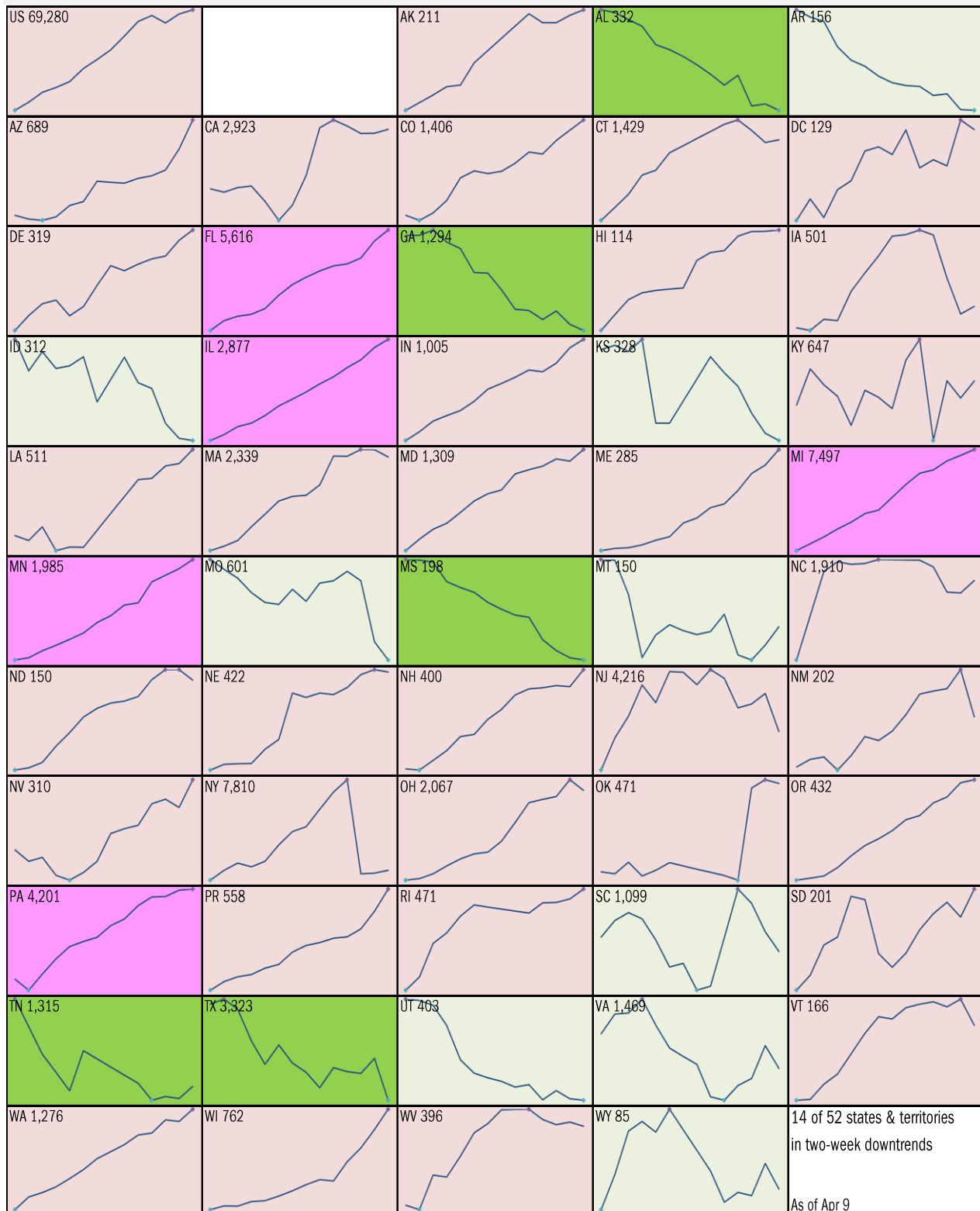
Vertical: days to double deaths Horizontal: days from first death

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

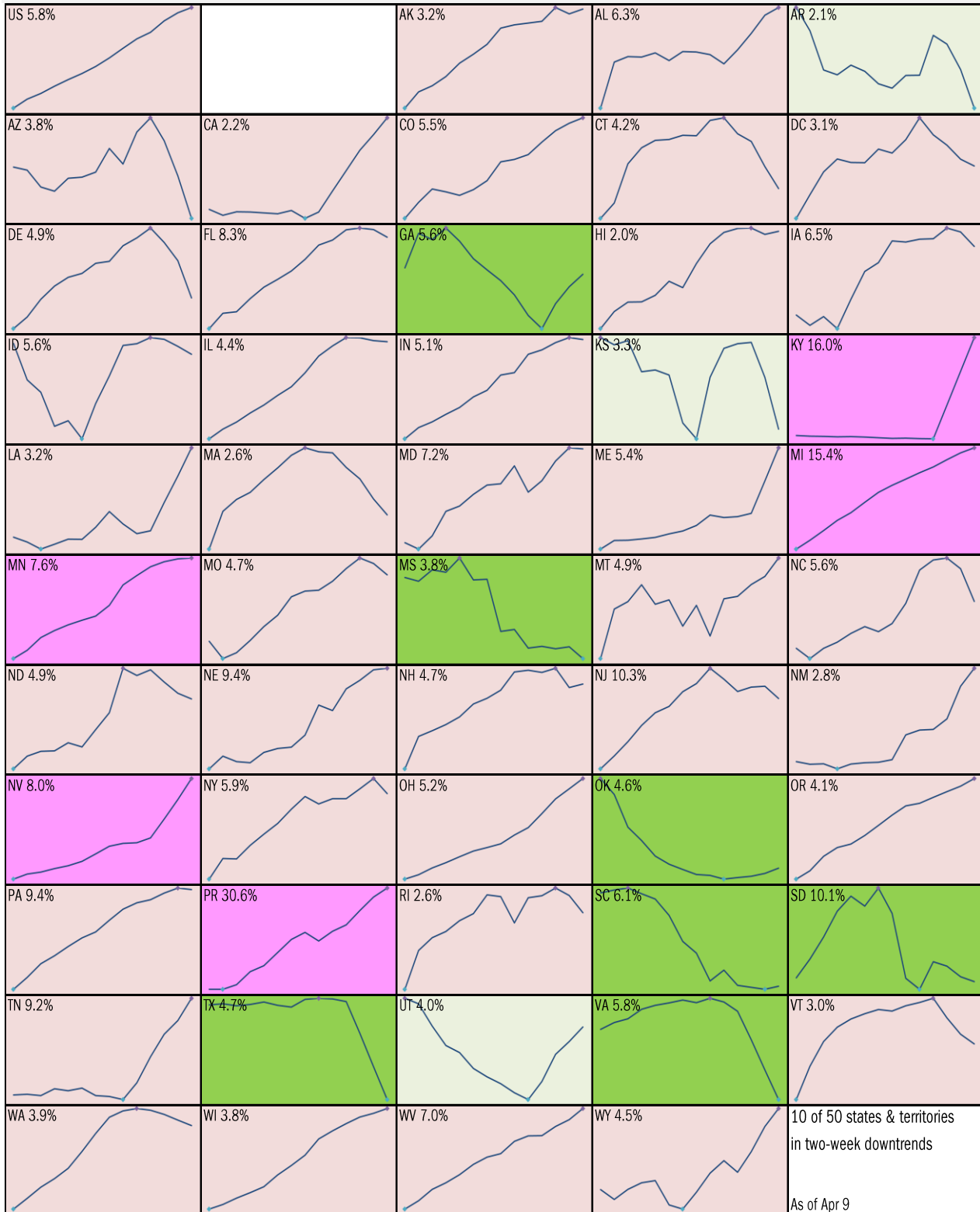


Source: [Johns Hopkins](#), TrendMacro calculations

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

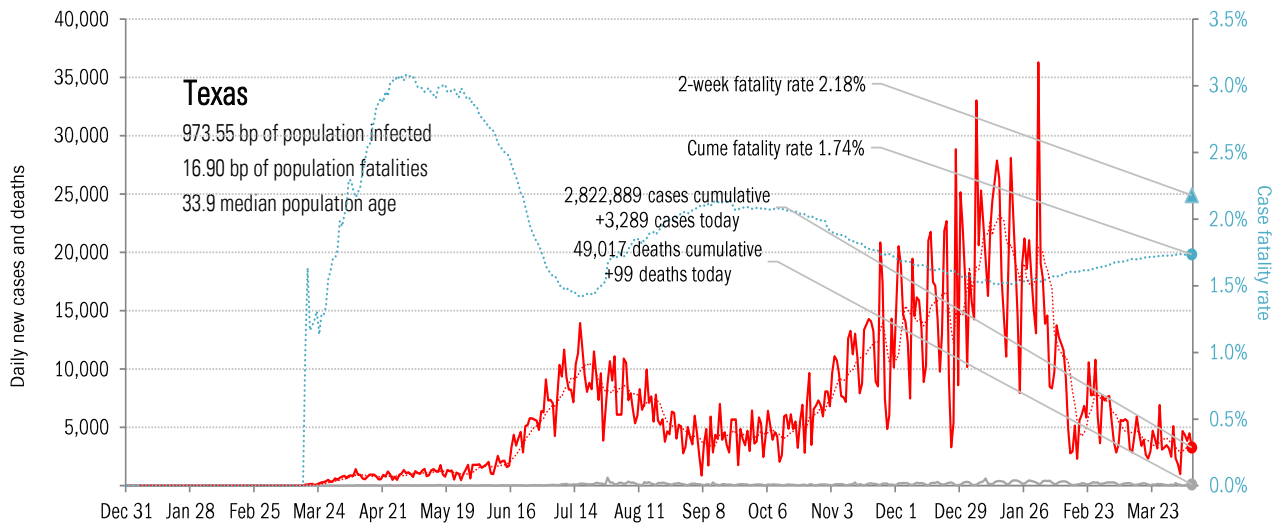
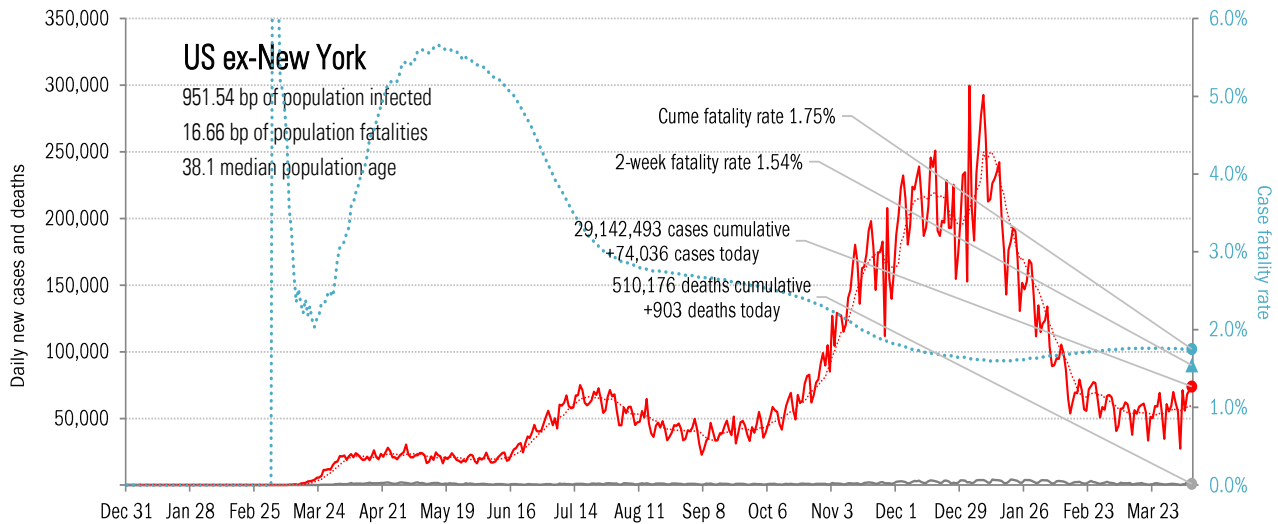
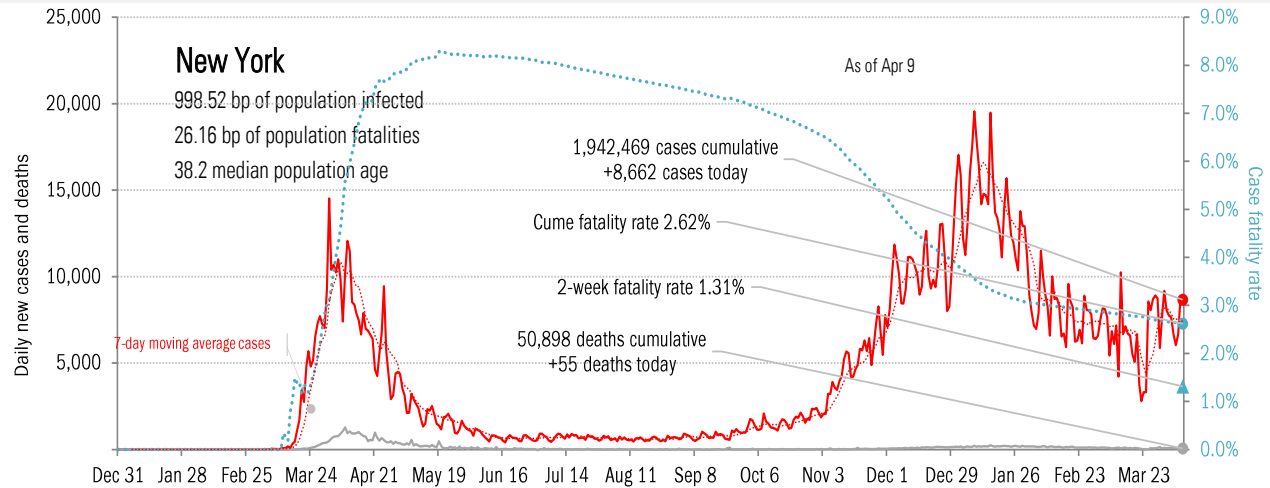
14-day moving average, last 14 days Most recent value displayed ● High ● Low

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



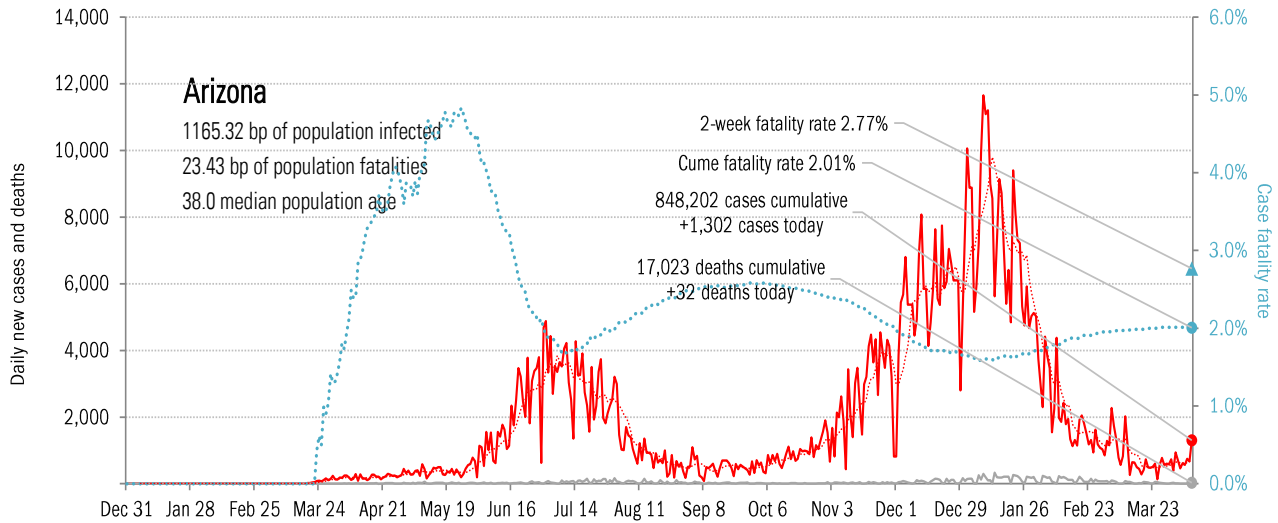
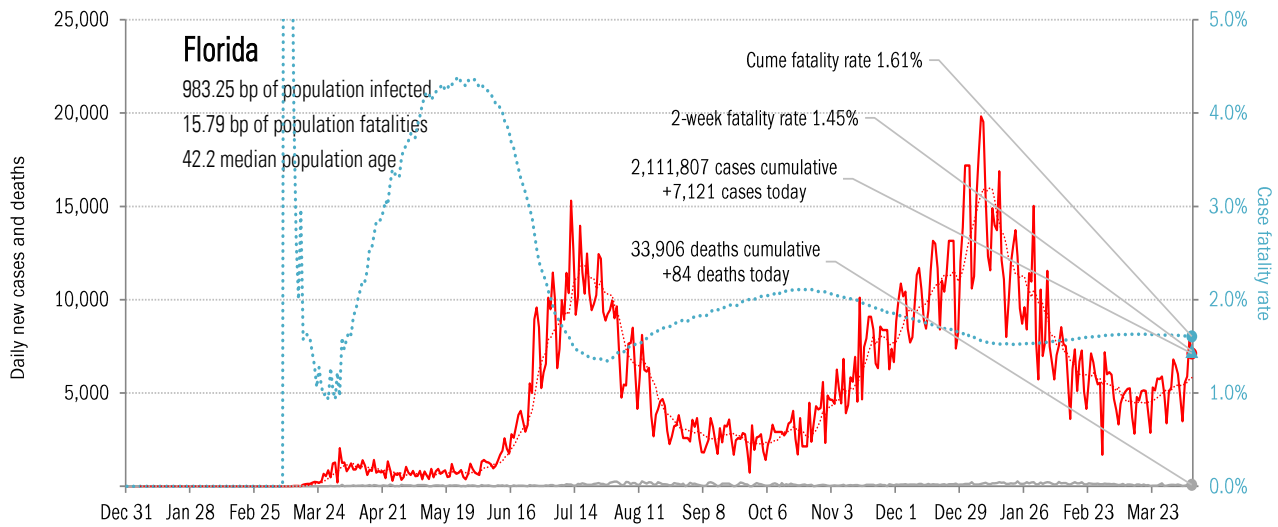
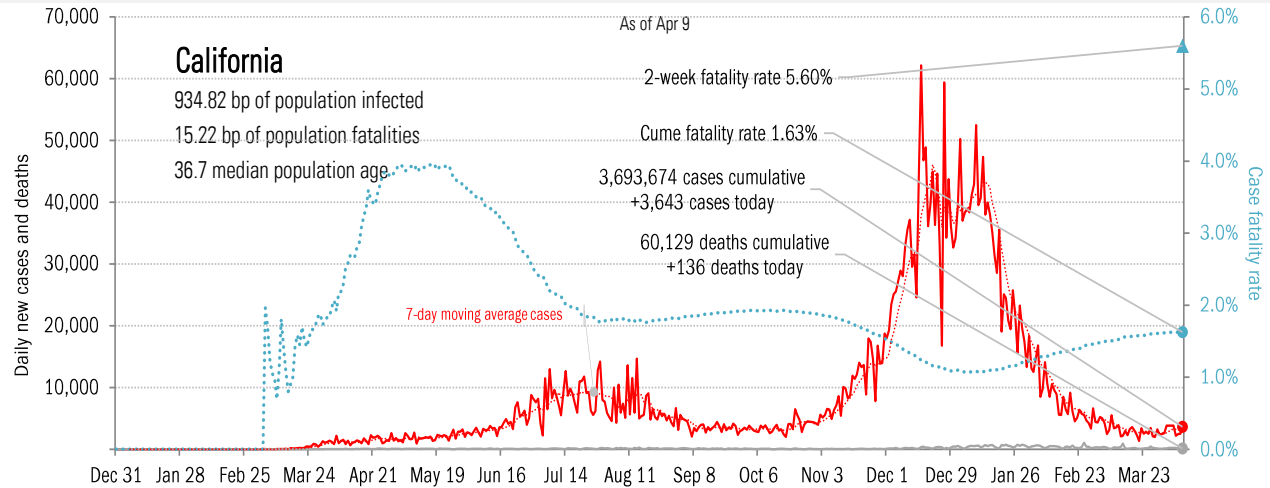
Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande



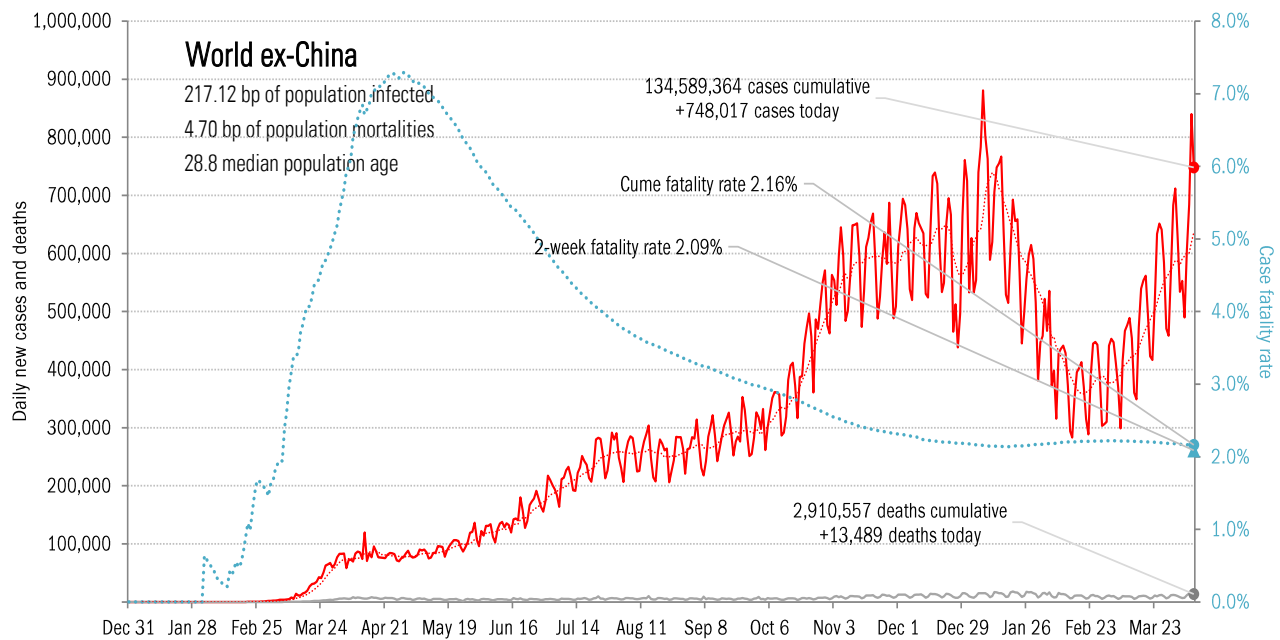
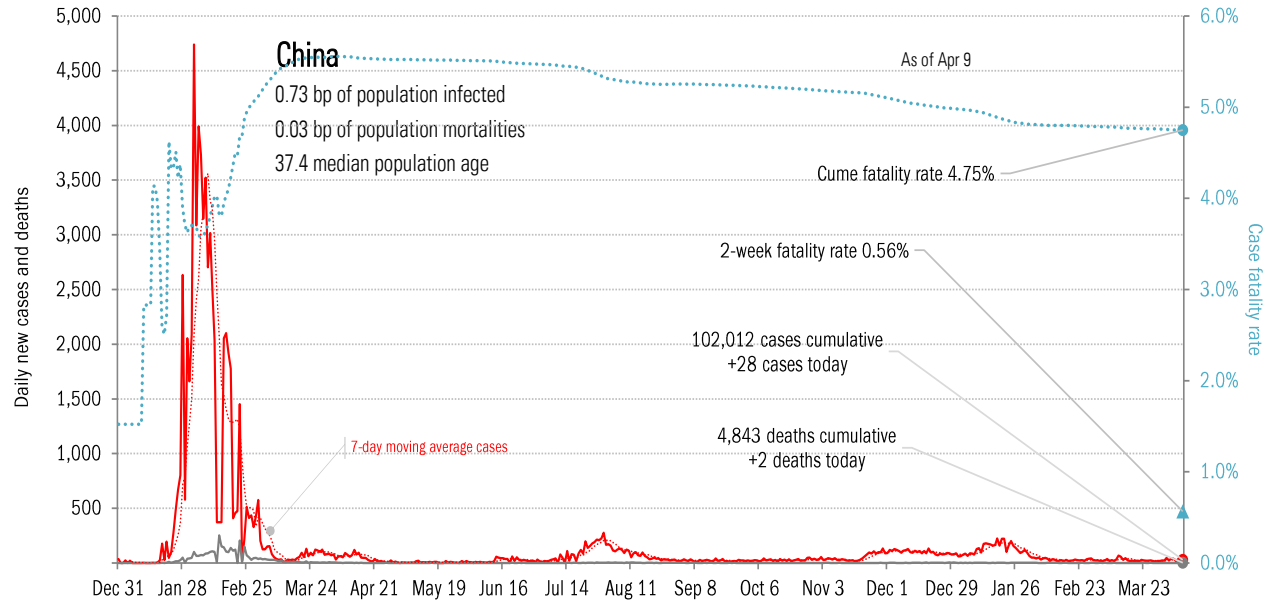
Source: [Johns Hopkins](#), TrendMacro calculations

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



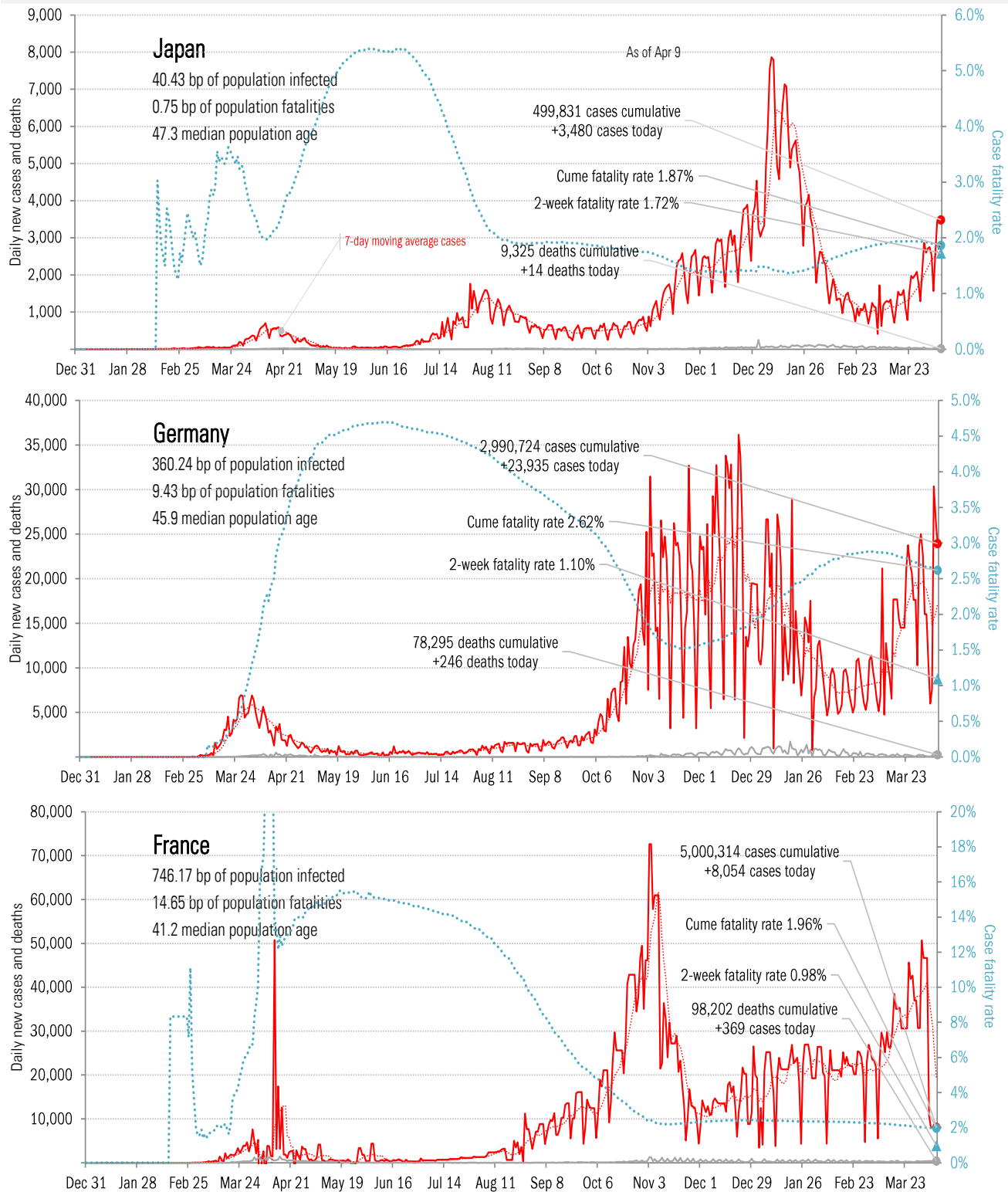
Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else



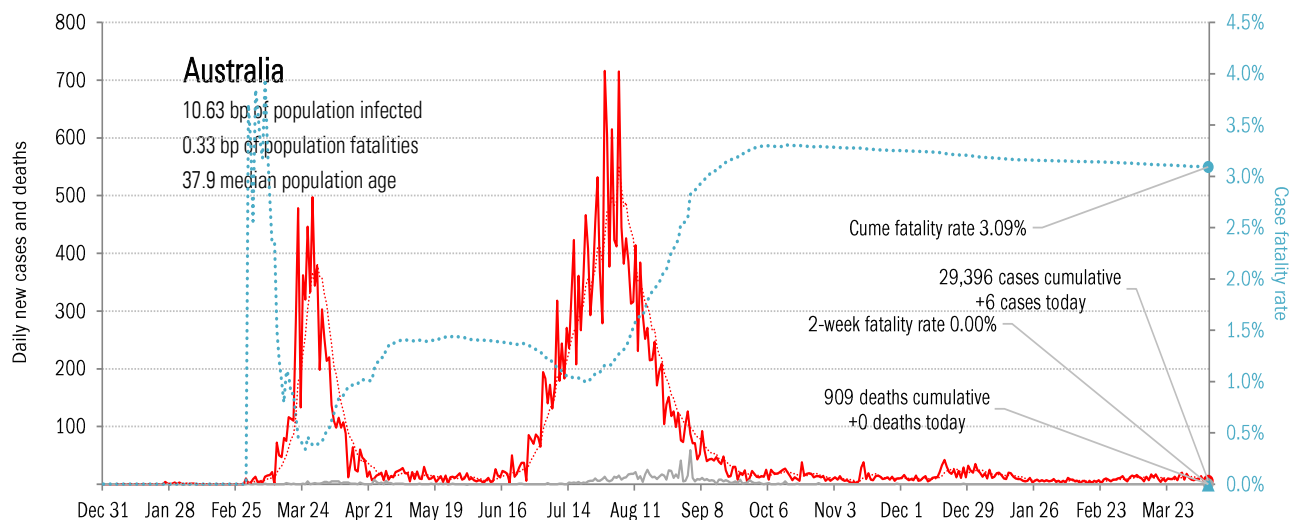
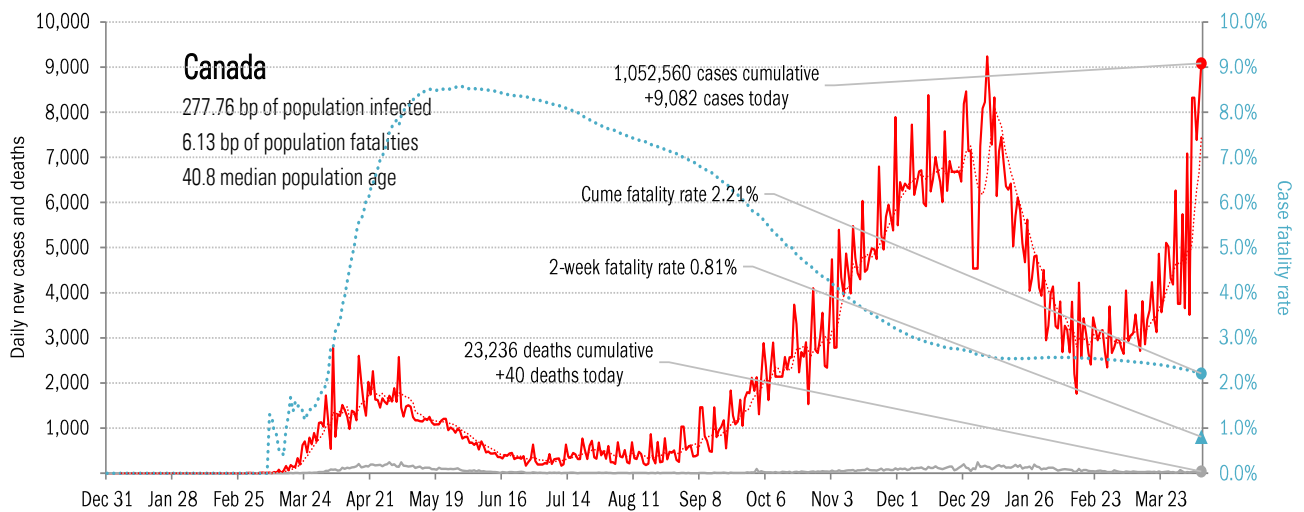
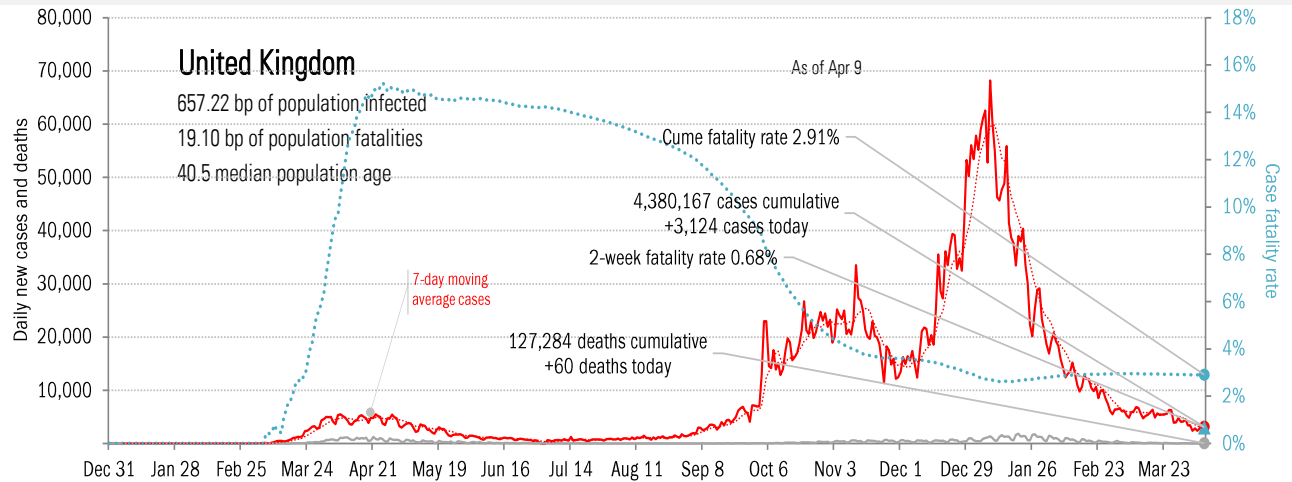
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies



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

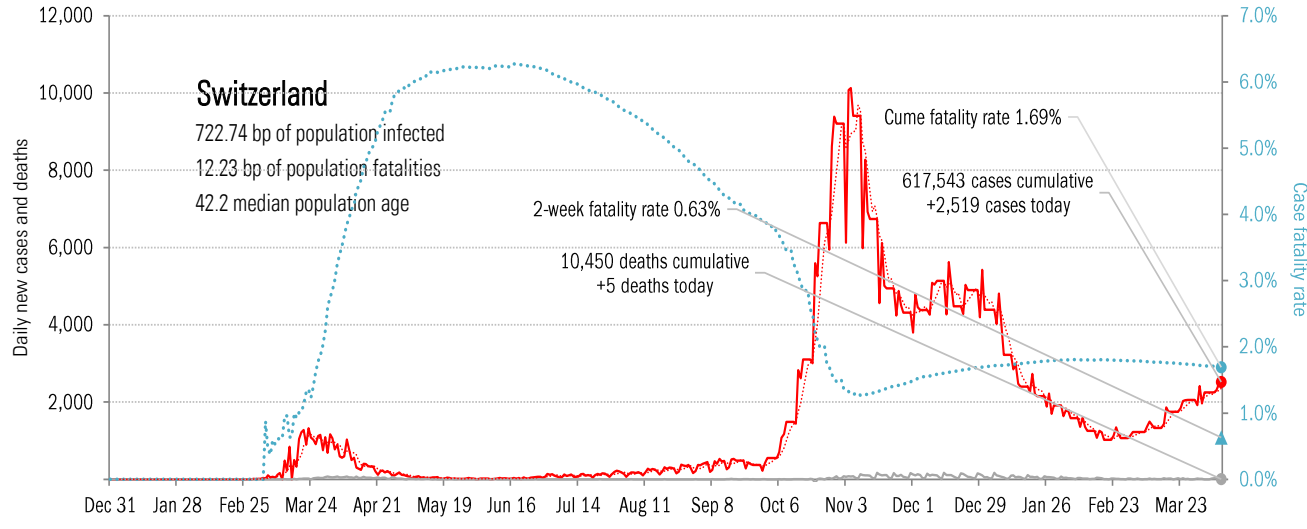
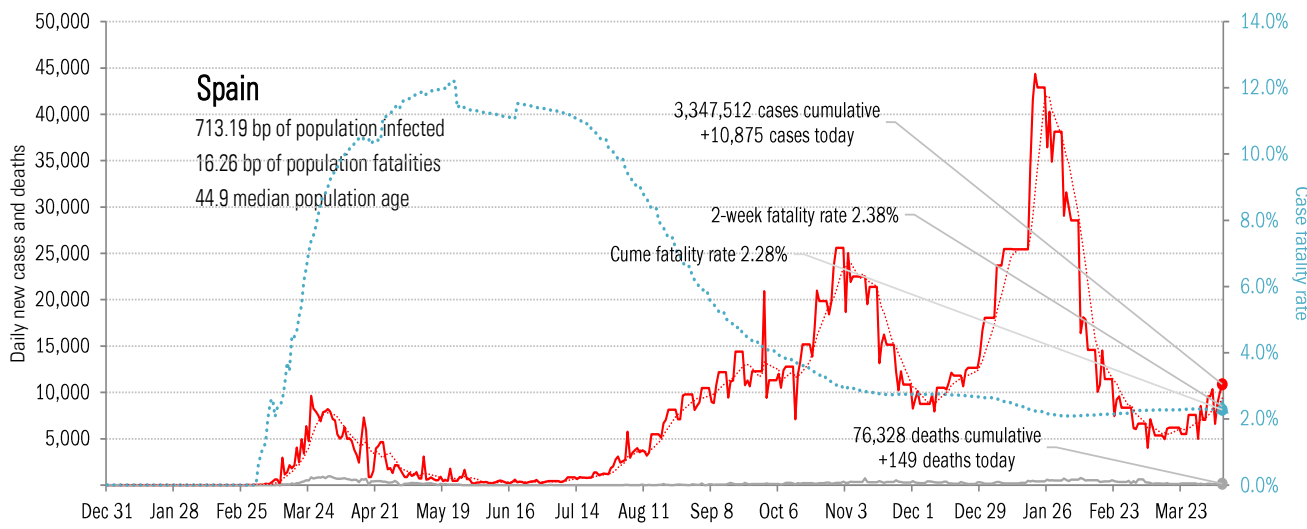
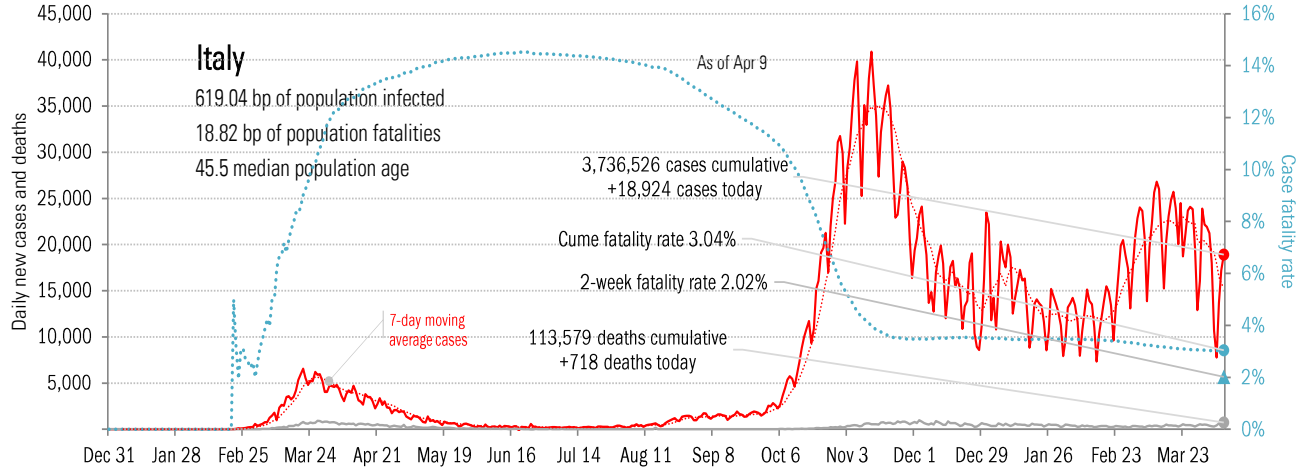
# Impact in The Anglosphere



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

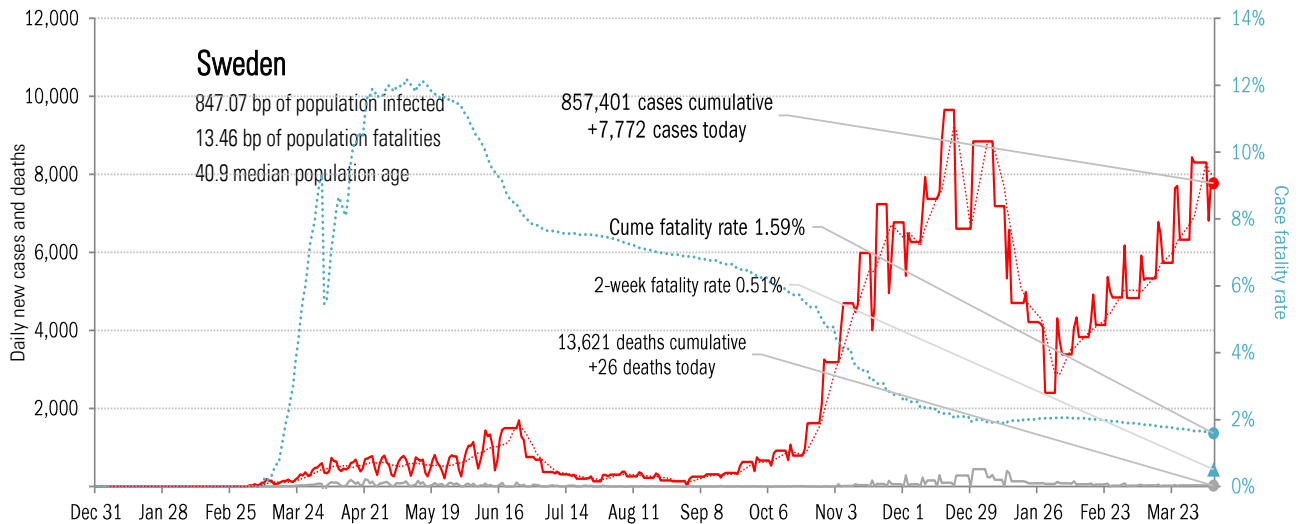
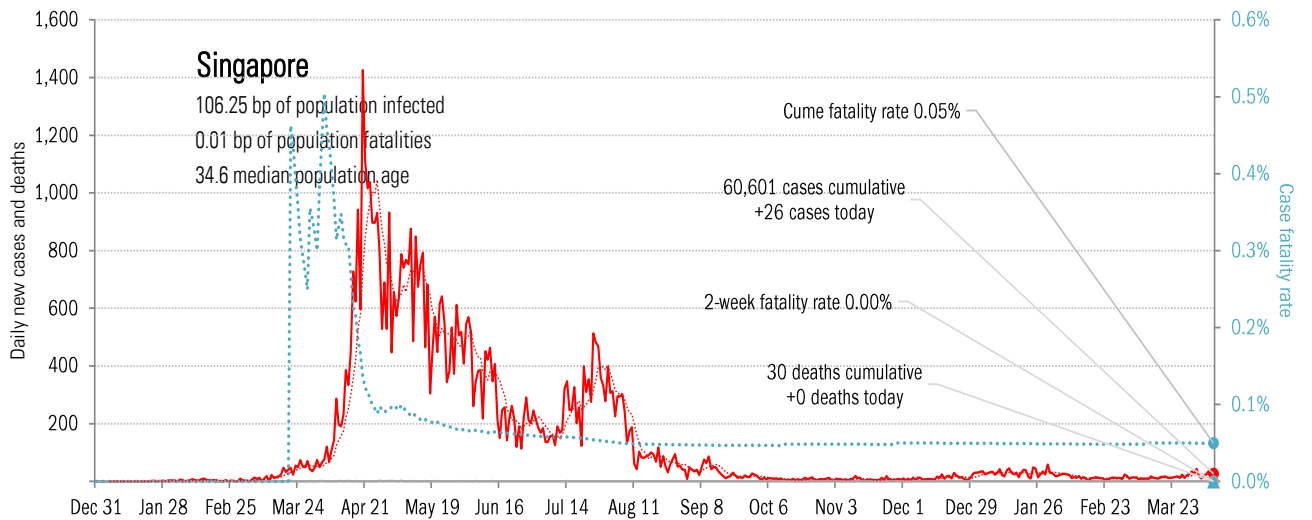
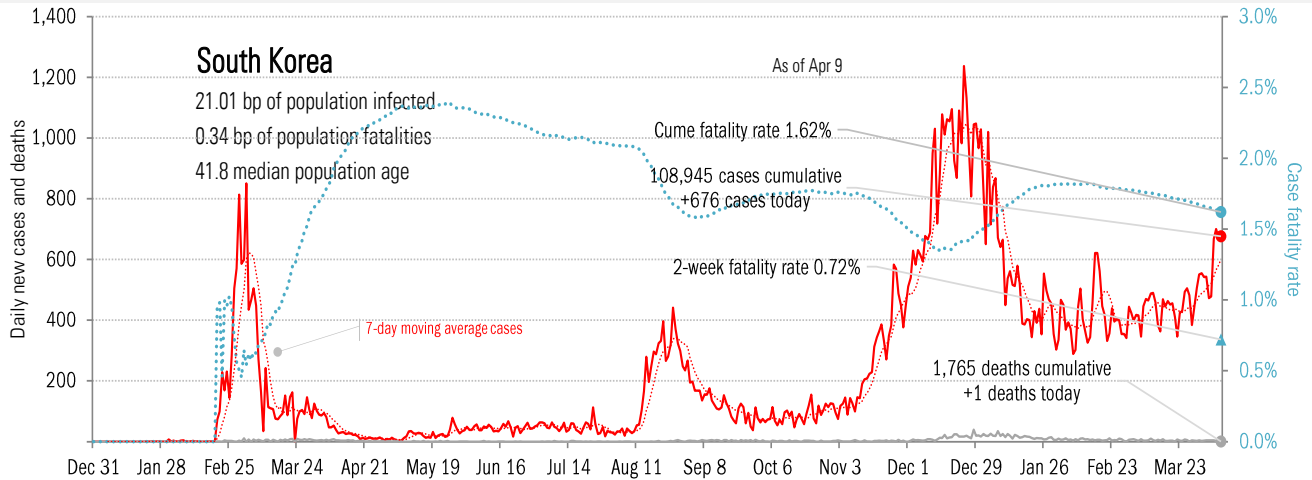


# Impact in continental Europe



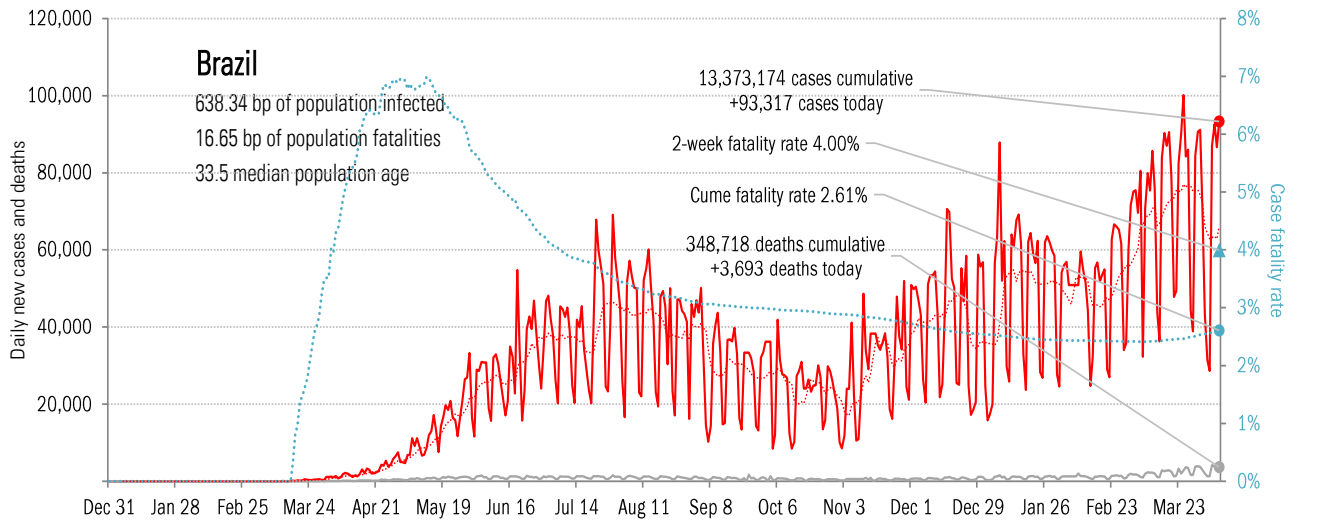
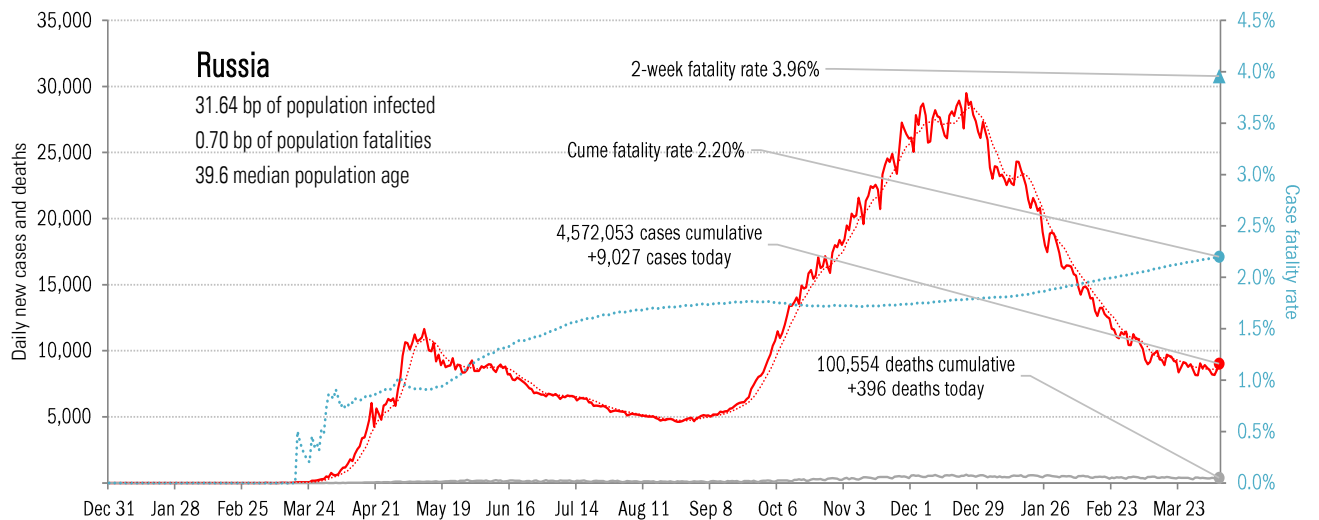
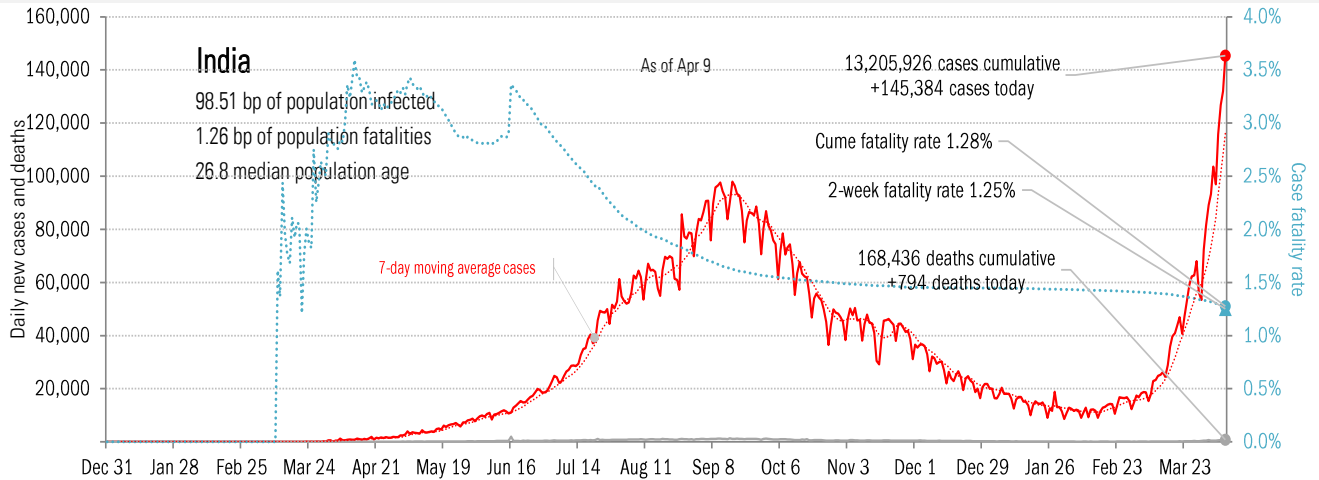
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots



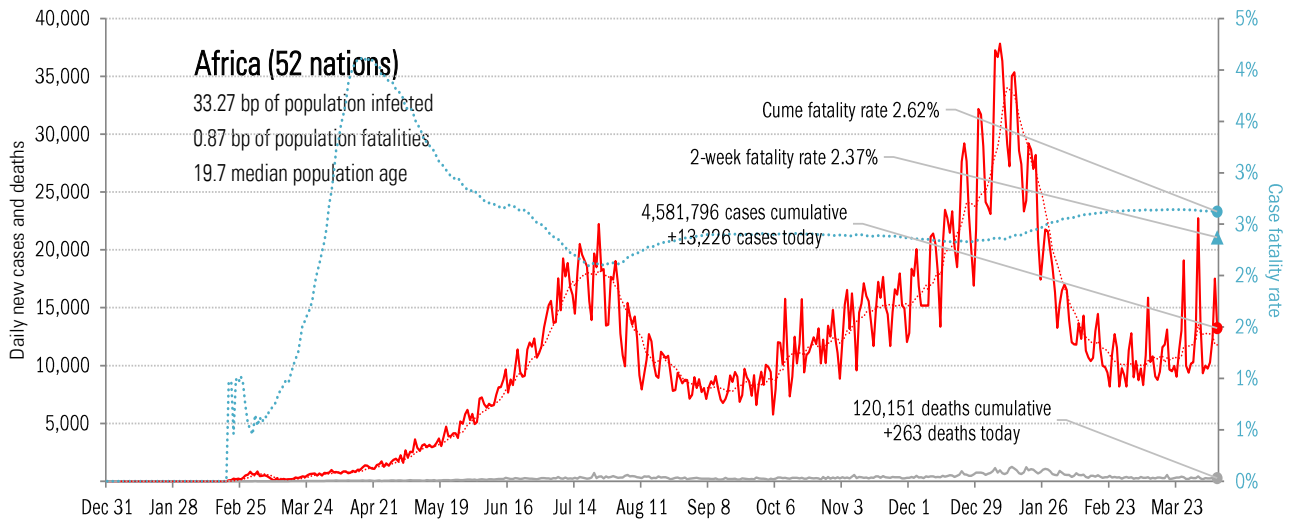
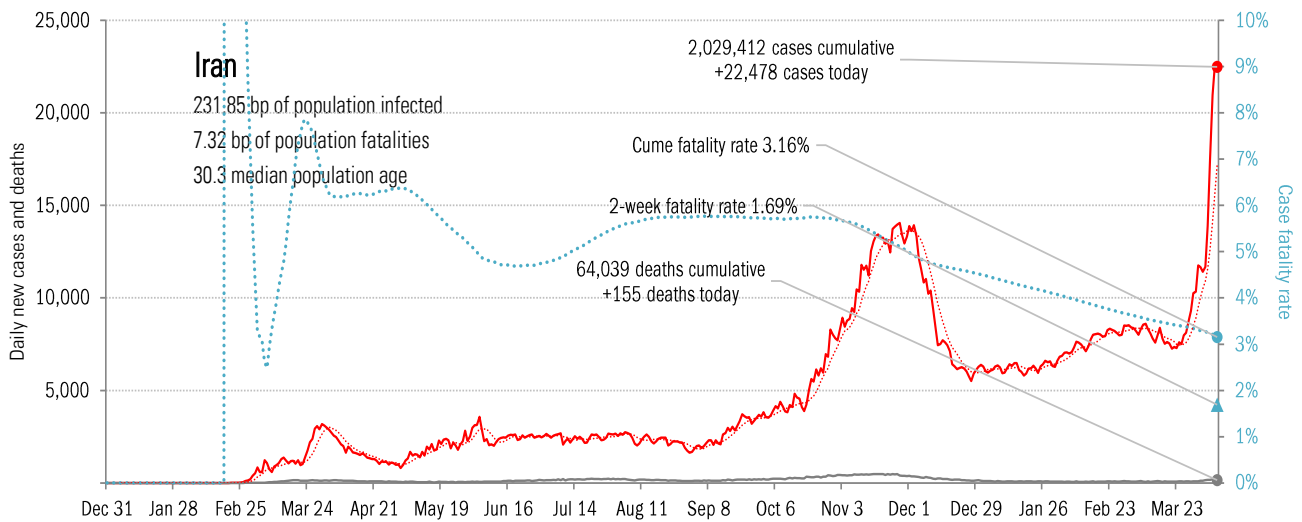
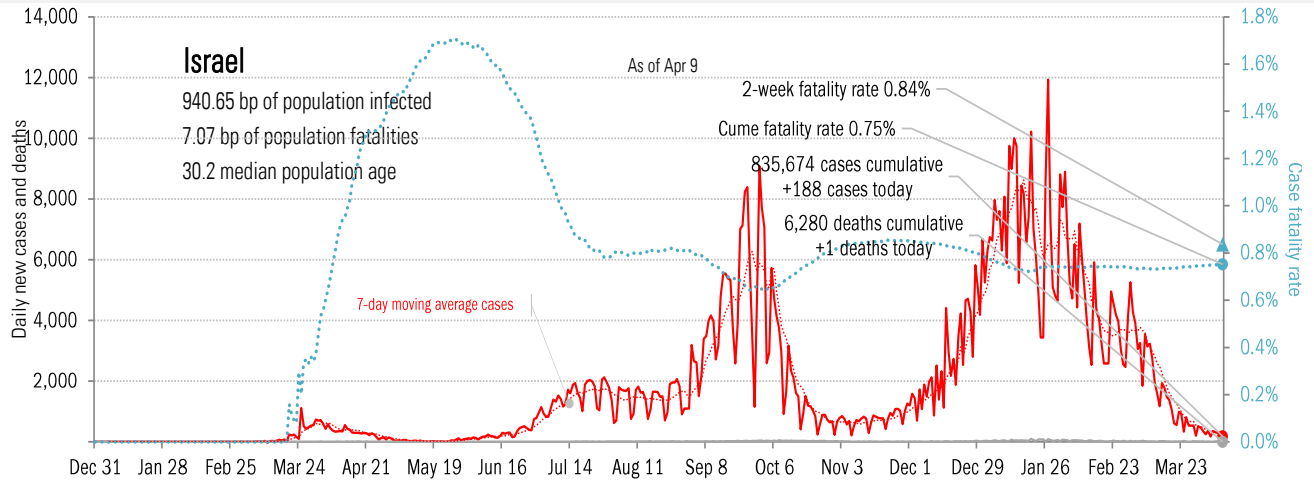
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China



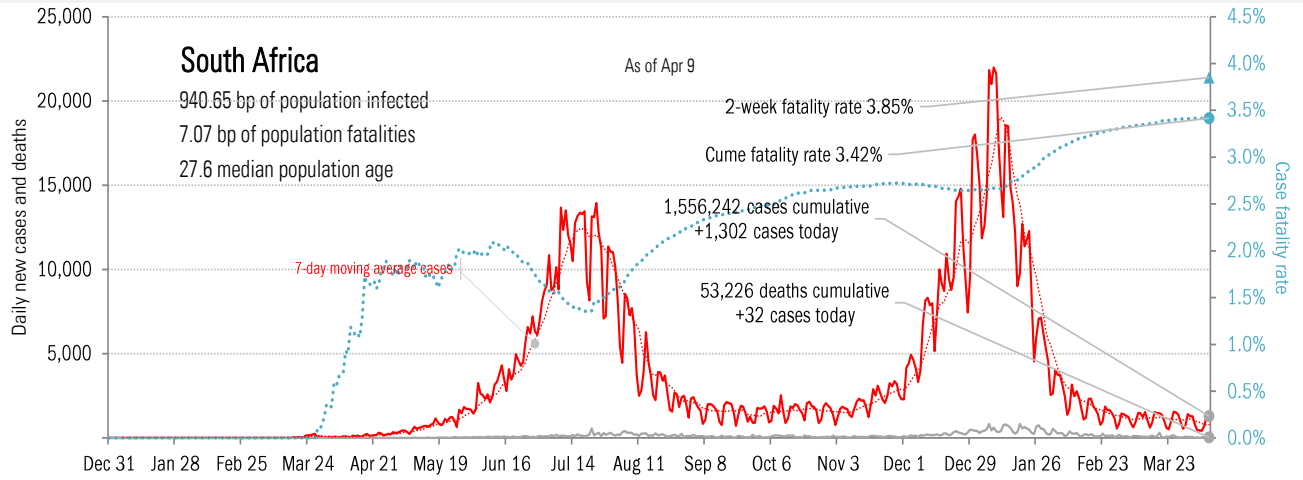
Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa



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

## Impact in Africa, continued



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