

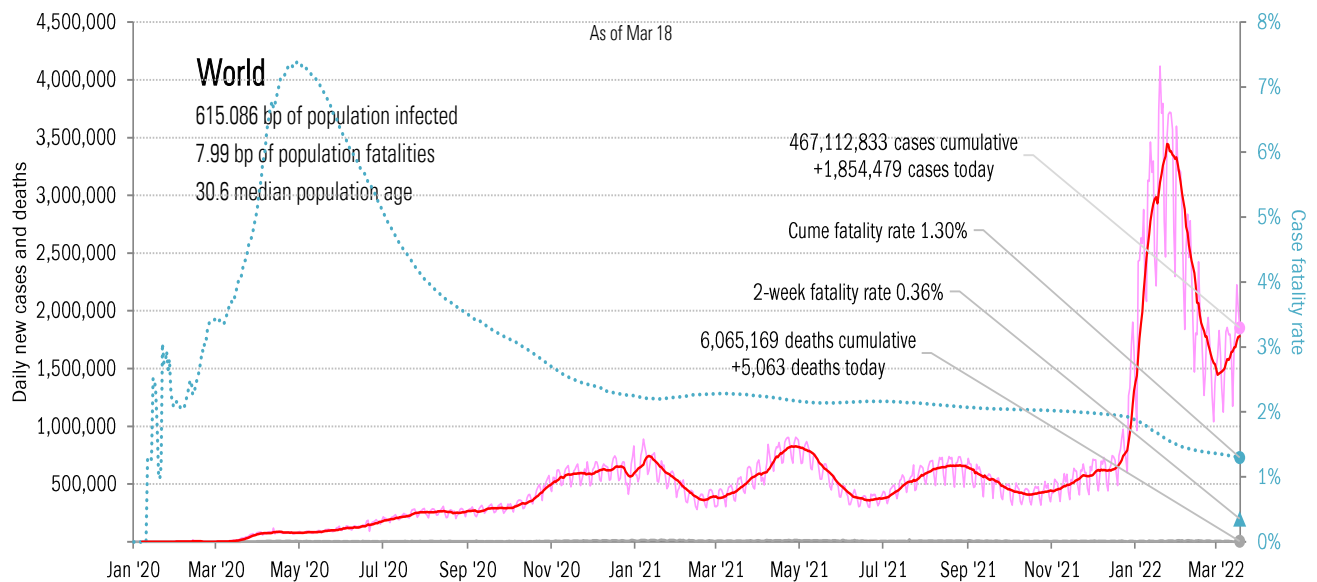
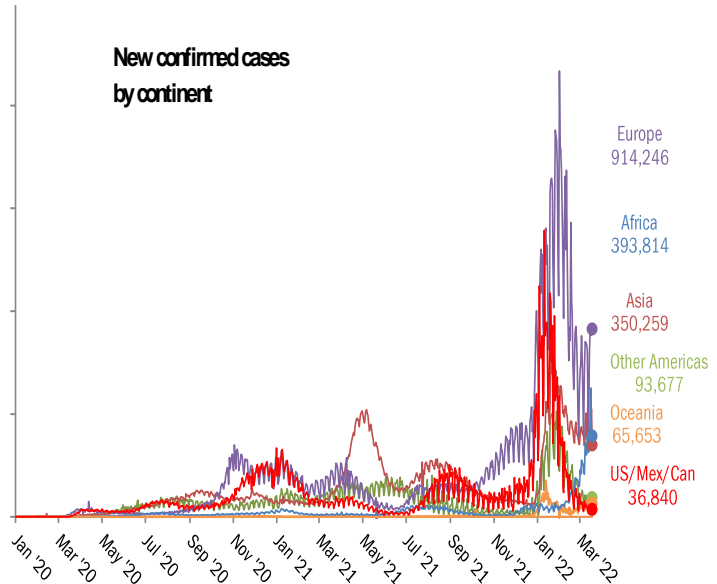
## Data Insights: Covid-2019 Monitor

Saturday, March 19, 2022

### The global scorecard

Cases: **7-day average** and **daily** Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Korea, South	381,329	United States	753
Germany	260,237	Russia	511
Vietnam	192,689	Brazil	405
France	97,657	Korea, South	319
United Kingdom	93,093	Spain	287
Italy	78,577	Germany	221
Spain	64,597	Indonesia	199
Netherlands	54,513	Italy	165
Brazil	51,990	Japan	156
Austria	51,112	United Kingdom	127
<b>1,325,794</b>		<b>3,143</b>	
World	1,854,479	World	5,063
Top ten	71%	Top ten	62%



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

Cases: 7-day average and daily Deaths: Daily

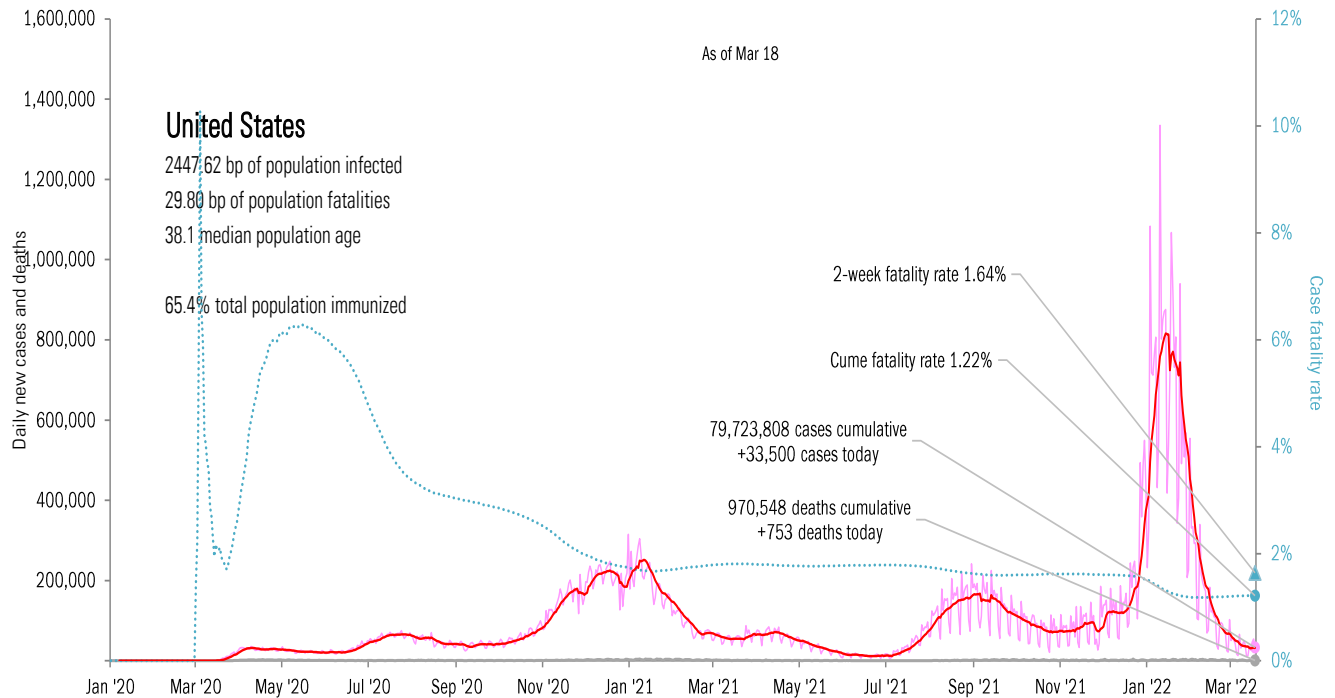
## The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use			
CA	6,469		CA	116		KS	33		CA	9,062,442		CA	88,004		TX	484,842		RI	89%		KY	86%	
TX	3,278		FL	105		NY	124		TX	6,687,899		TX	86,589		CA	420,222		MA	85%		TX	85%	
MI	3,009		MI	65		MA	33		FL	5,874,824		FL	72,334		FL	411,921		MN	85%		AL	85%	
WA	2,276		GA	63		MT	14		NY	4,958,932		NY	67,810		NY	243,471		WV	83%		RI	84%	
NY	2,052		WA	60		NE	14		IL	3,053,185		PA	44,011		GA	206,920		MO	83%		NM	84%	
NC	1,740		WI	59		OK	38		PA	2,773,762		CH	37,608		CH	189,397		WA	83%		WA	81%	
NJ	1,523		KS	58		DE	12		CH	2,666,030		GA	36,507		PA	174,811		PA	82%		DC	79%	
IL	1,388		AL	40		OH	78		NC	2,616,864		IL	35,631		IL	155,607		MD	82%		MS	79%	
VA	1,142		CT	40		SD	10		GA	2,482,518		MI	35,418		MI	139,892		DC	82%		NC	79%	
GA	1,099		IN	40		MN	40		MI	2,378,439		NJ	33,155		KY	139,337		NH	81%		WV	78%	
23,976			646			396			42,554,895			537,067			2,565,420								
All states	33,500		753		1,978			All states	79,723,808		970,548		4,652,427		All states	70%		67%					
Top ten	72%		86%		20%			Top ten	53%		55%		55%		Median	76%		74%					

Some states not reporting

## Five most improved US states

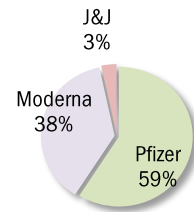
Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most pop immunity growth
KY -9,532	KY -283	GA -235	AZ +10 bp
FL -6,580	TX -277	IN -78	IN +10 bp
AZ -5,153	CH -198	IA -32	MP +10 bp
OK -2,984	CK -120	MO -28	NY +10 bp
CH -2,195	NC -36	NH -17	CK +10 bp



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

# Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	573,133,135		+0.111 million	US	65.4%	76.8%
Boosters	97,701,693		+0.053 million	UK	72.2%	77.3%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	262,521,976	79%	223,184,127	67%	+0.028 million	France 77.8% 80.1%
Age 12 to 17	17,470,185	69%	14,896,583	59%	+0.003 million	Spain 85.5% 88.0%
Age 18 to 64	176,887,260	87%	150,006,918	74%	+0.016 million	Germany 75.1% 75.8%
Age 65 and over	58,277,565	100%	50,440,156	92%	+0.002 million	Italy 79.1% 84.0%
						Australia 81.0% 85.9%
						Israel 65.9% 72.1%
						Canada 81.5% 85.7%
						Japan 79.7% 81.0%
						Africa 14.9% 20.1%
						India 58.7% 69.7%
						Brazil 74.2% 84.2%
						China 85.8% 88.1%

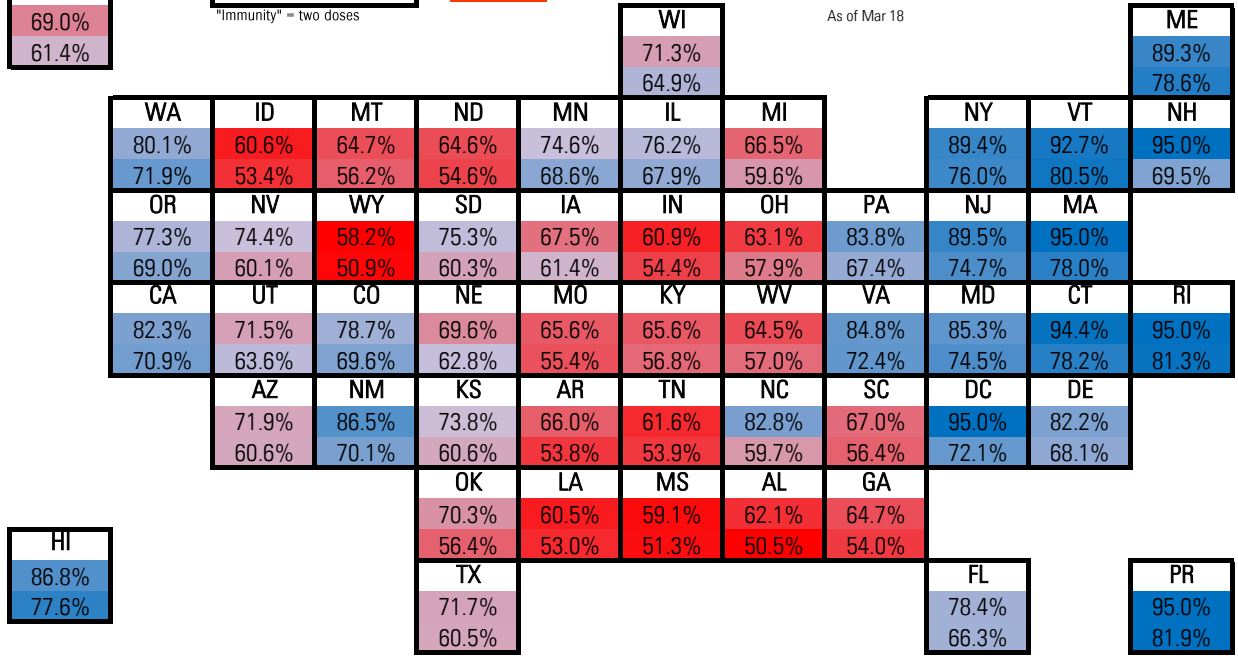


State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

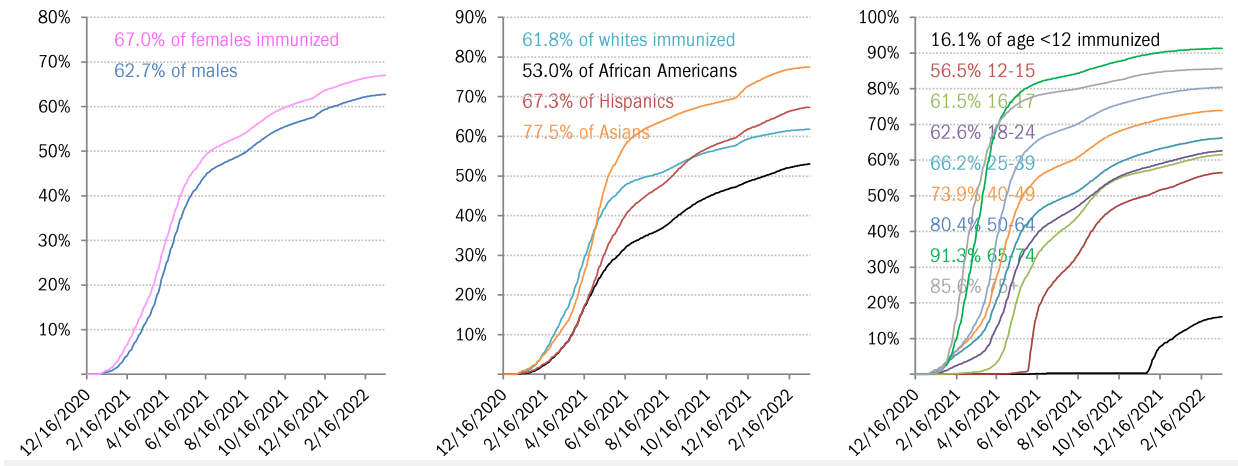
AK	69.0%
	61.4%

US	65.4%	76.8%
UK	72.2%	77.3%
France	77.8%	80.1%
Spain	85.5%	88.0%
Germany	75.1%	75.8%
Italy	79.1%	84.0%
Australia	81.0%	85.9%
Israel	65.9%	72.1%
Canada	81.5%	85.7%
Japan	79.7%	81.0%
Africa	14.9%	20.1%
India	58.7%	69.7%
Brazil	74.2%	84.2%
China	85.8%	88.1%

Global data differs due to sources, timing



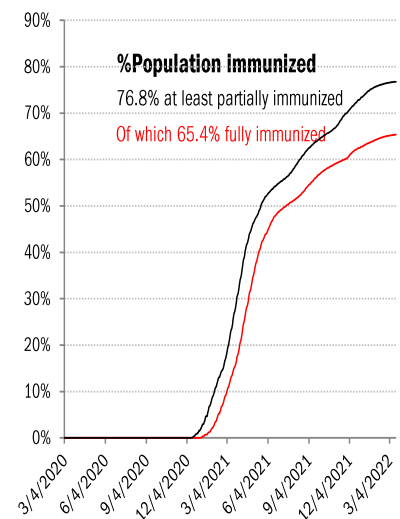
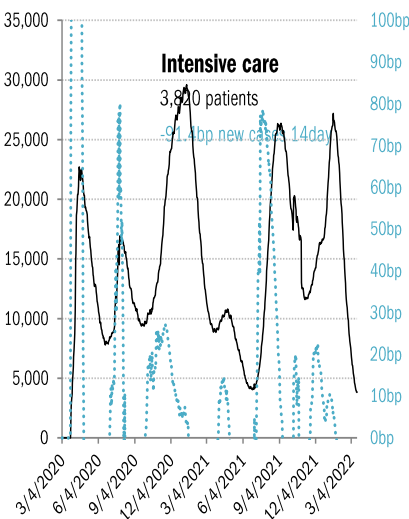
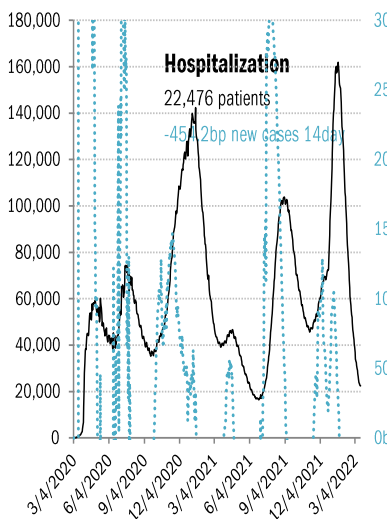
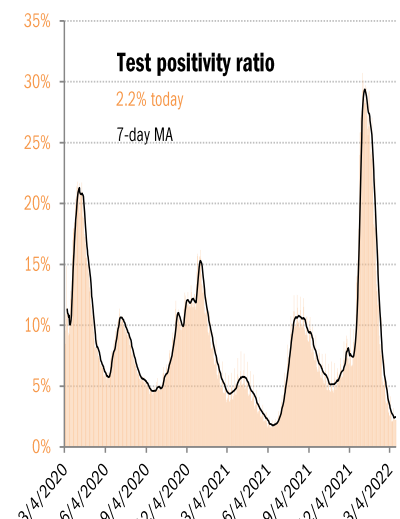
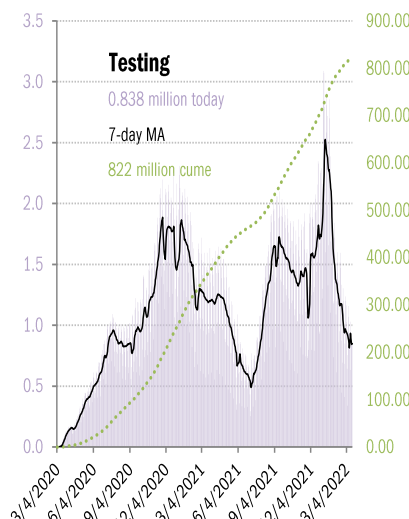
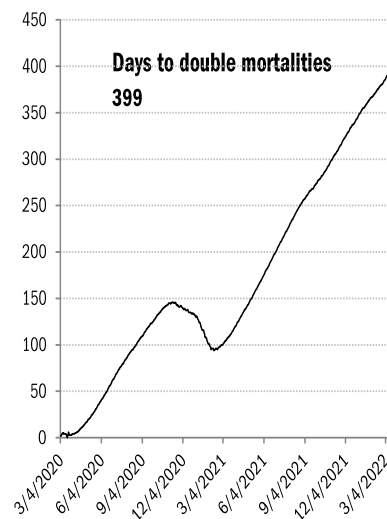
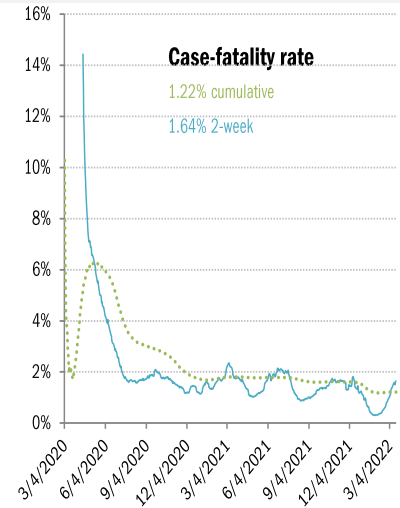
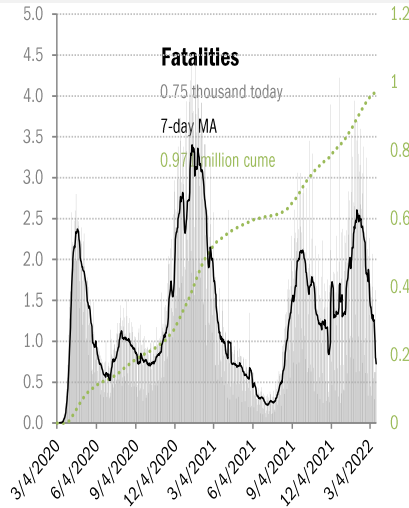
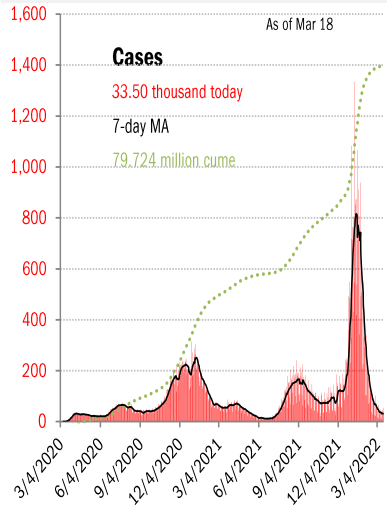
## The demographics of US vaccination



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

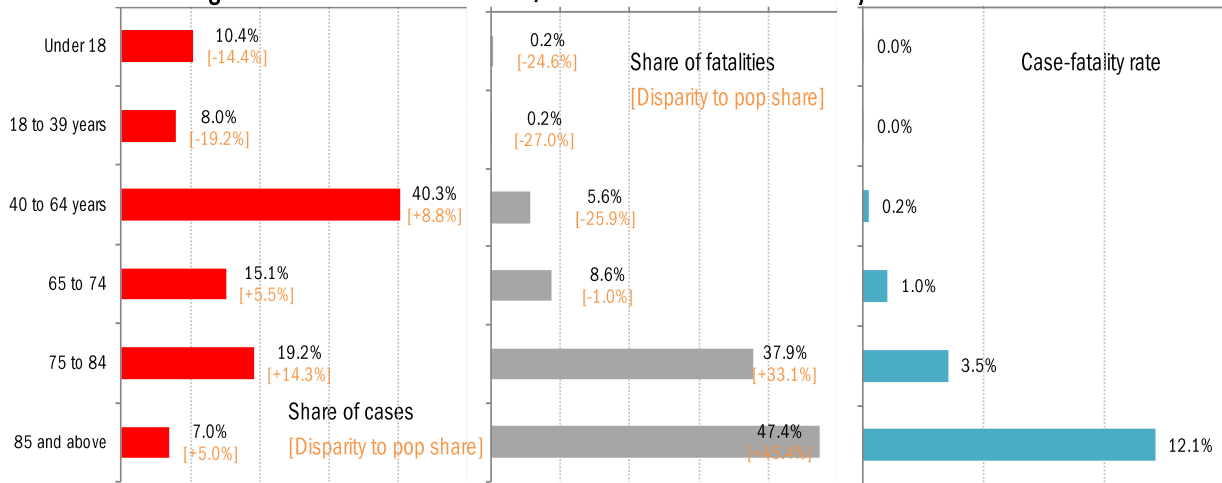
# US deep-dive

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

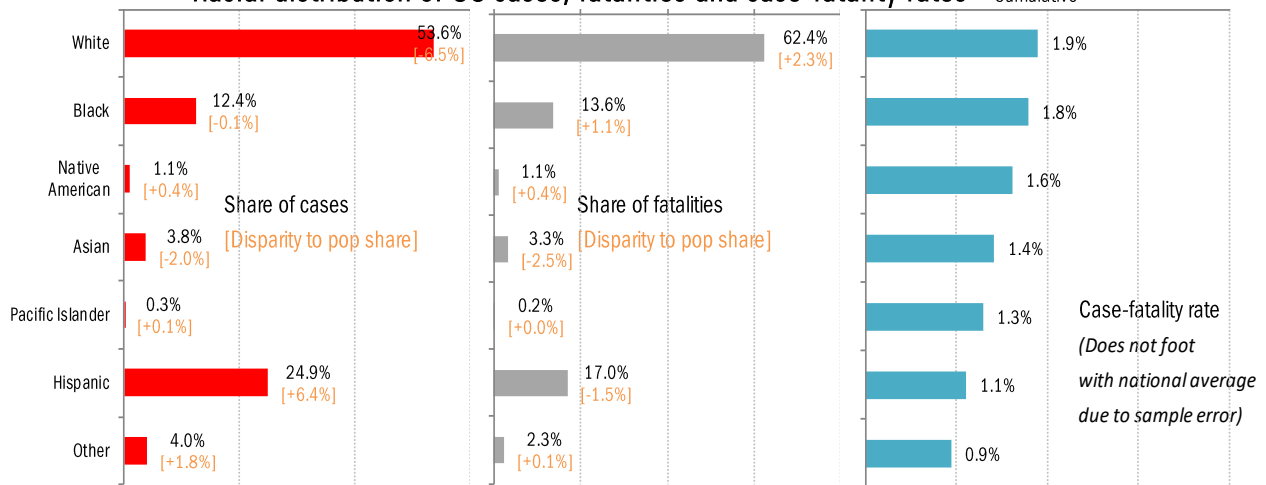


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

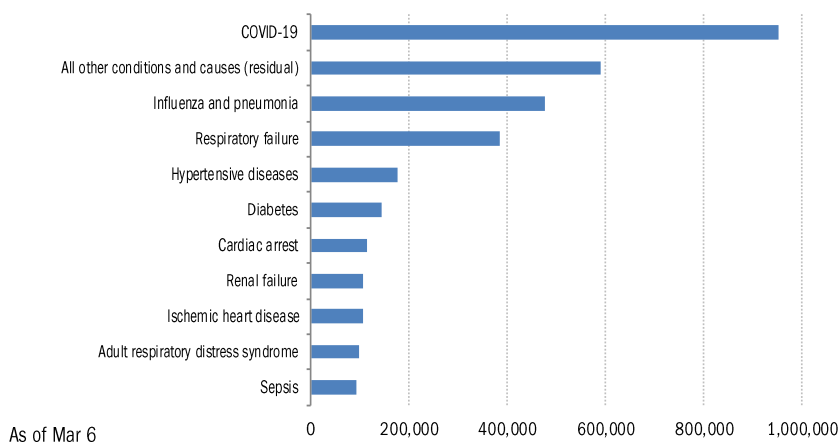


Racial distribution of US cases, fatalities and case-fatality rates



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

[The Omicron subvariant BA.2 now accounts for 'around 30 percent' of New York City's cases, officials say.](#)

Michael Gold  
*New York Times*  
March 18, 2022

[Researchers find an ongoing commitment to pandemic behaviors. They call it 'long social distancing.'](#)

Matt Richtel  
*New York Times*  
March 18, 2022

[As Offices Open and Mask Mandates Drop, Some Anxieties Set In](#)

Emma Goldberg and Lananh Nguyen  
*New York Times*  
March 18, 2022

[With a Flurry of High-Profile Coronavirus Cases, Washington Is Again on Edge](#)

Michael D. Shear  
*New York Times*  
March 17, 2022

[The Great Pandemic Student-Loan Scam](#)

*Wall Street Journal*  
March 18, 2022

[China's Next Contagion?](#)

*Wall Street Journal*  
March 18, 2022

[Confusion and Chaos in Hong Kong as Leaders Fumble Virus Response](#)

Alexandra Stevenson  
*New York Times*  
March 18, 2022

[With infections spiking in Europe and a variant on the rise, experts warn the U.S. could face a Covid resurgence](#)

Andrew Joseph  
*Stat News*  
March 17, 2022

[Fauci on the BA.2 variant, funding for the COVID fight and the possibility of a new surge](#)

*PBS*  
March 17, 2022

[Warning signs for US as Covid cases rise in Europe](#)

Melody Schreiber  
*The Guardian*  
March 18, 2022

[Moderna seeks FDA authorization for 4th dose of COVID shot](#)

Zeke Miller  
*AP*  
March 18, 2022

Meme of the day

I love science

**Monday**

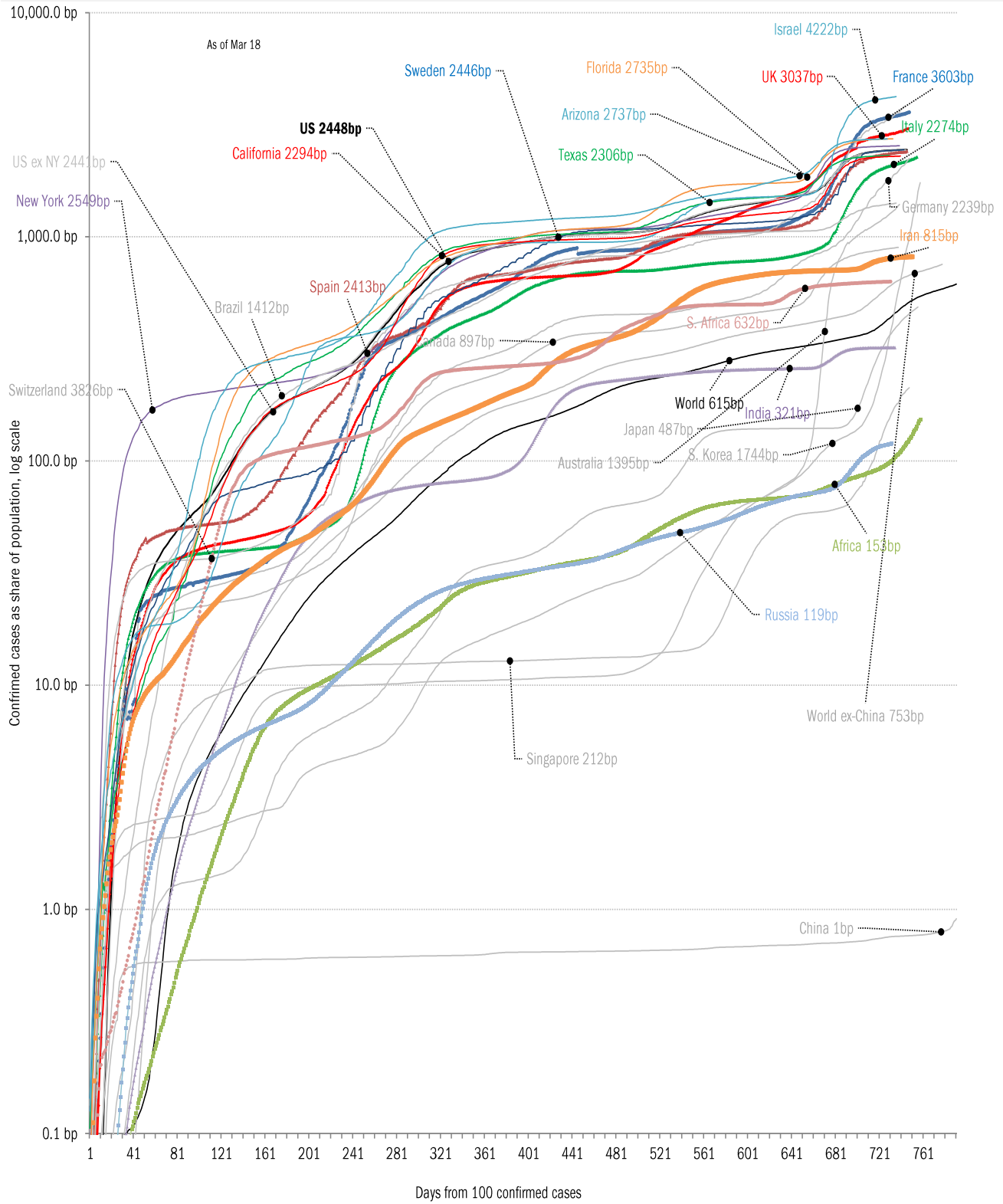


**Tuesday**



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

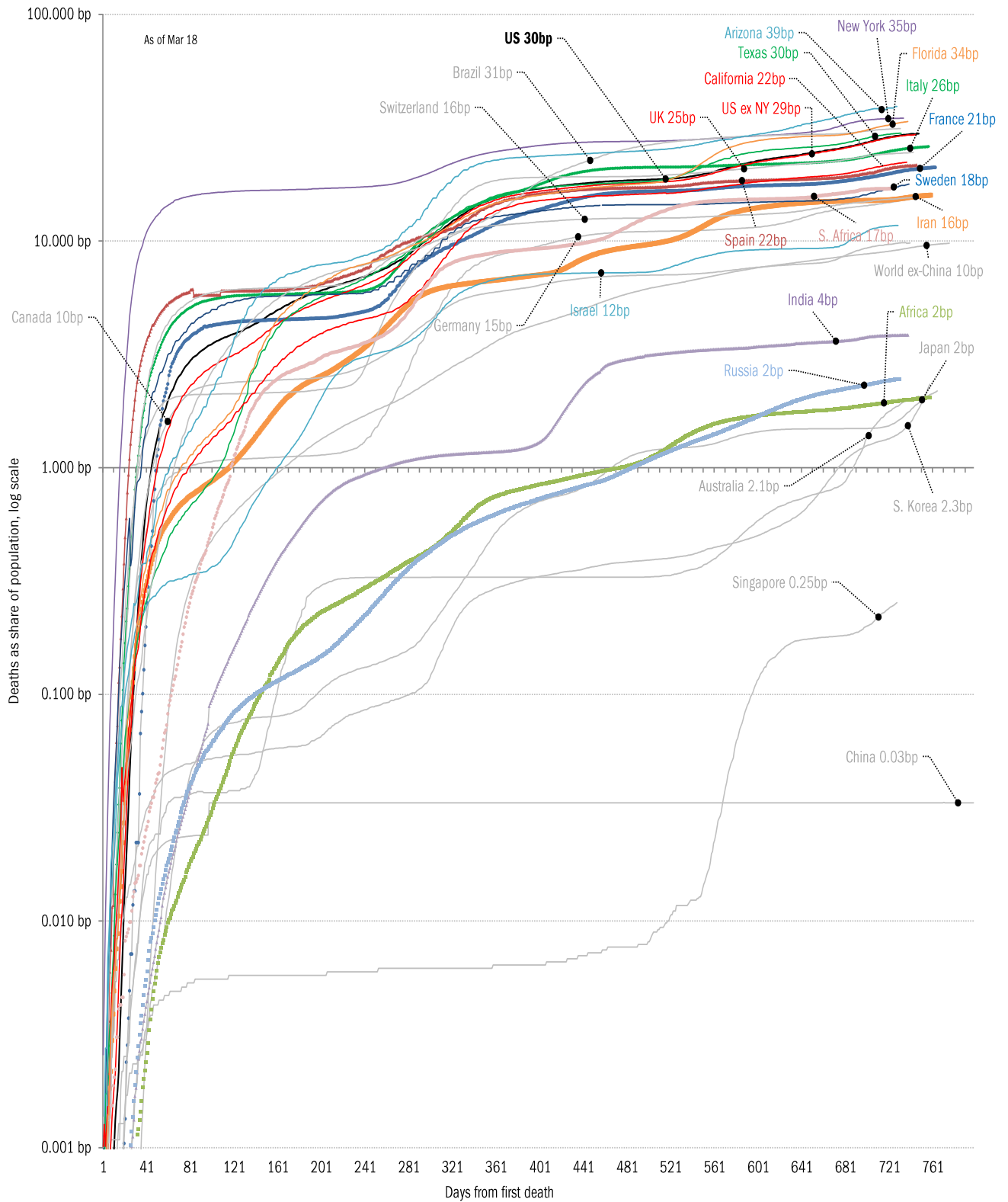
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*

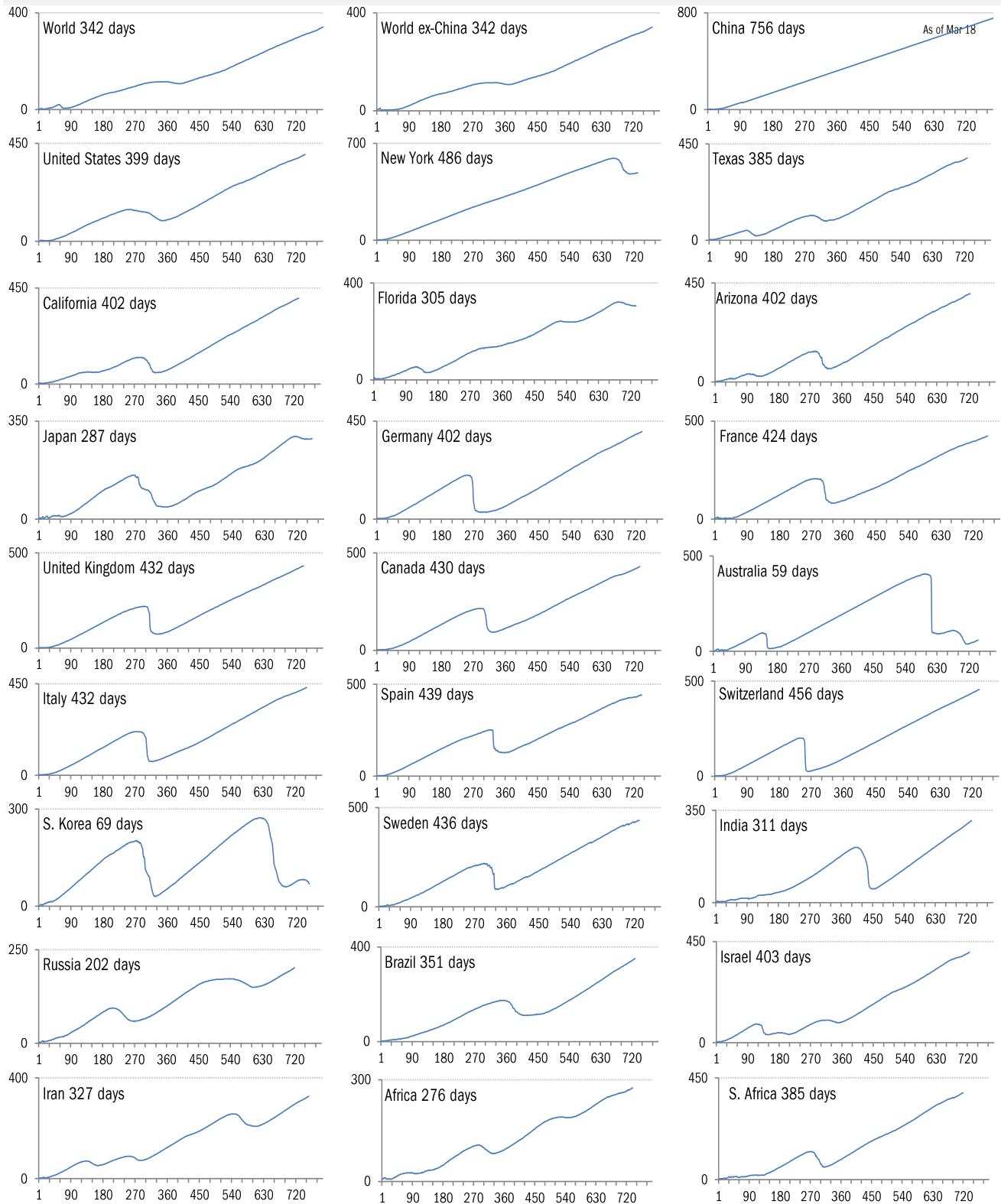


Source: [Johns Hopkins](#), TrendMacro calculations

# "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

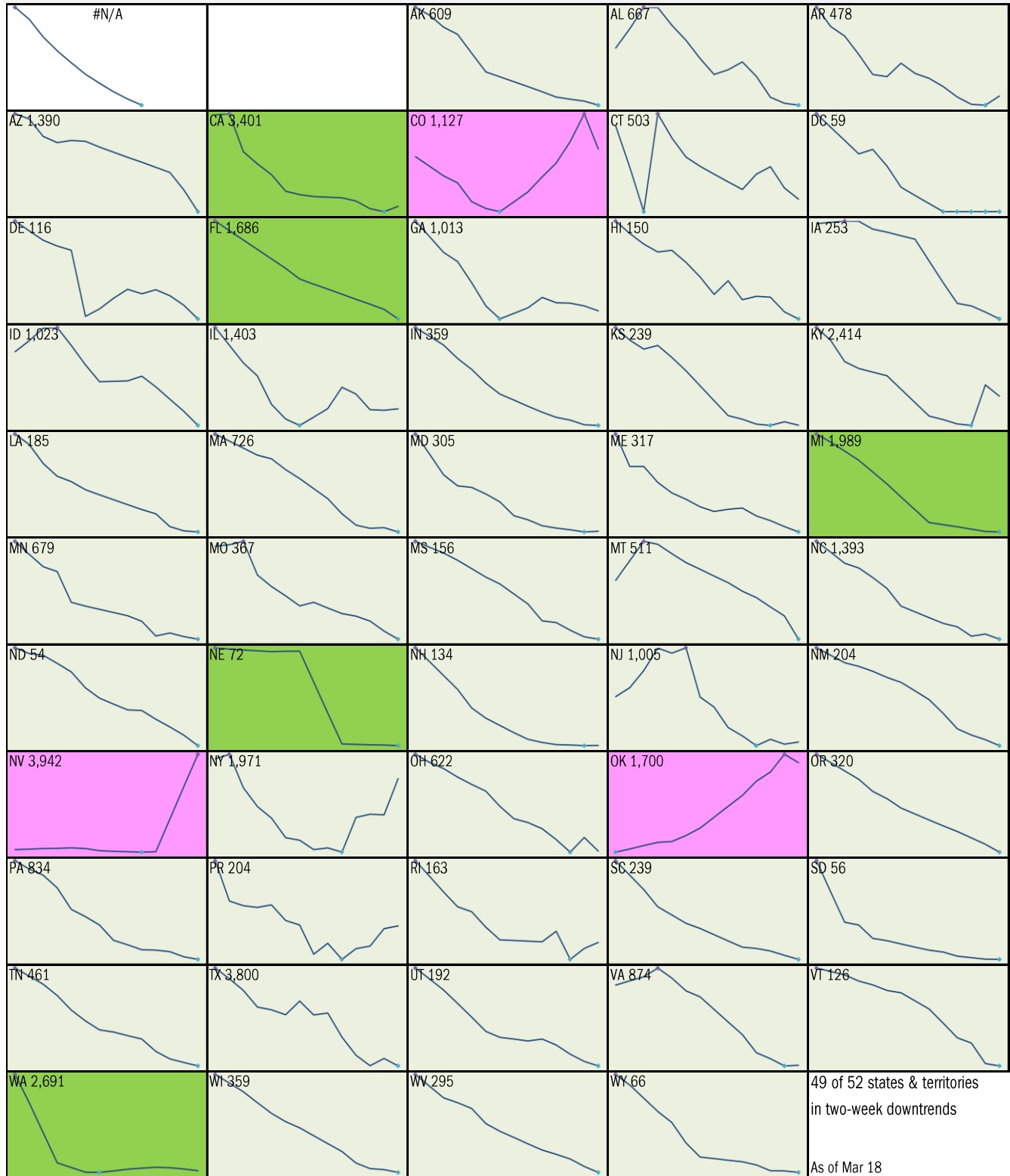


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

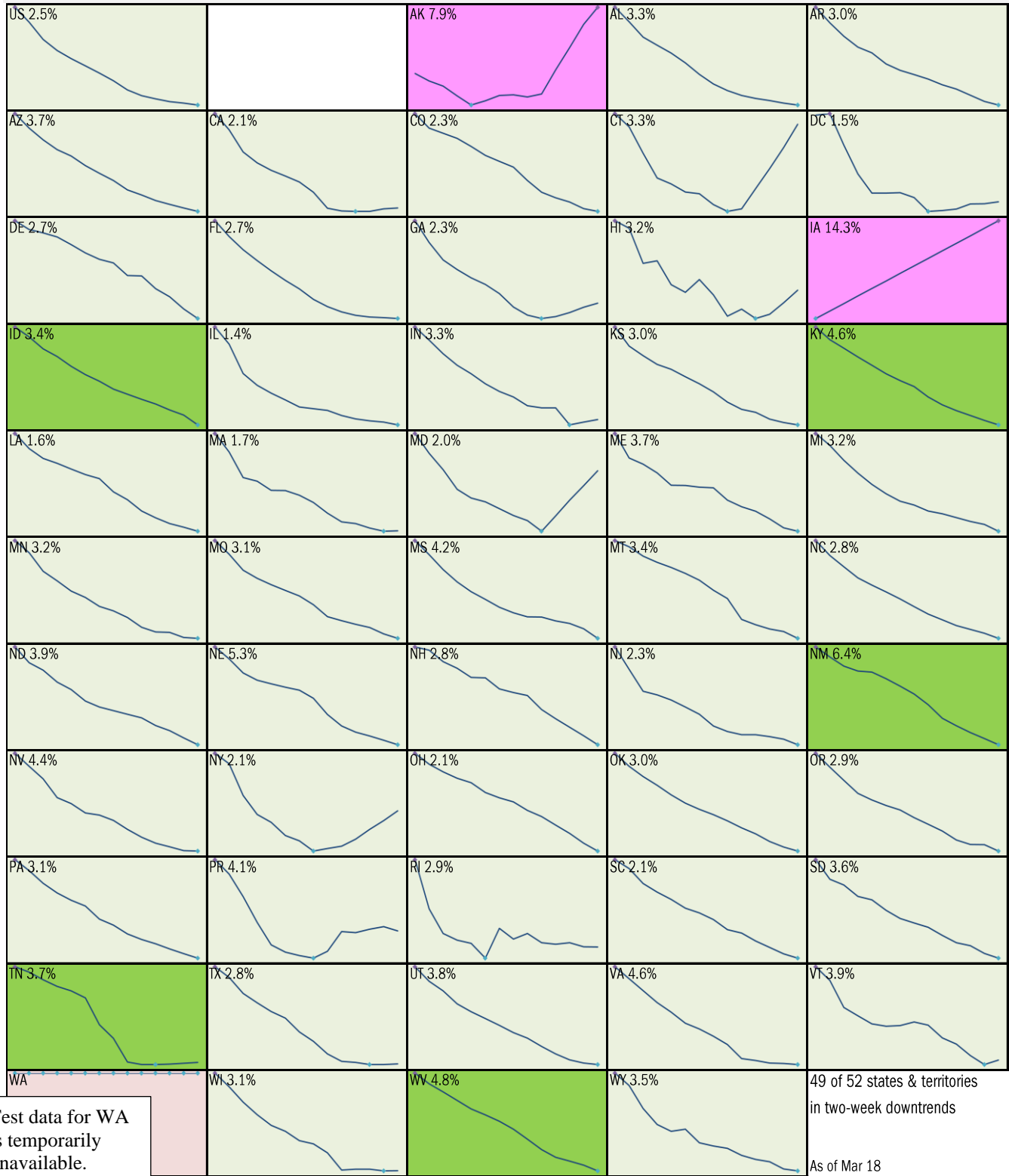


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day "downward trajectory" in **test-positivity ratio**

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

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

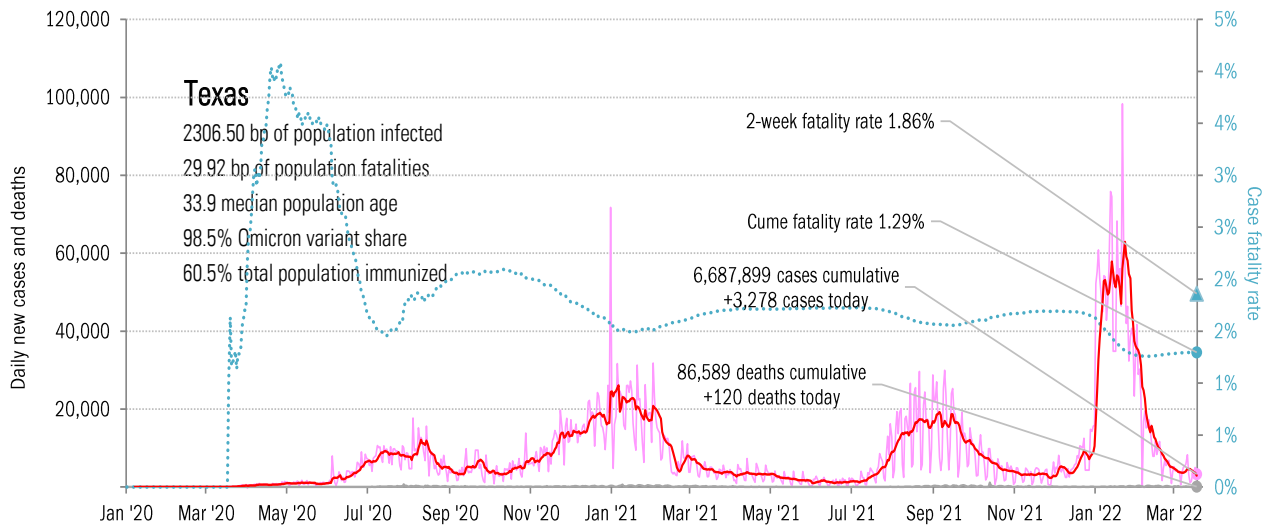
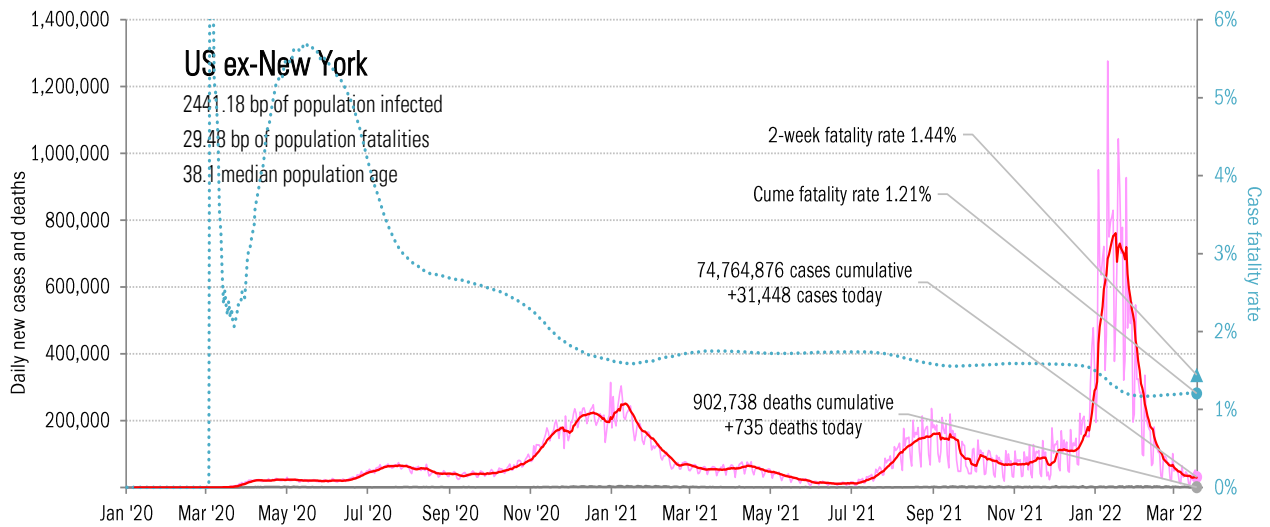
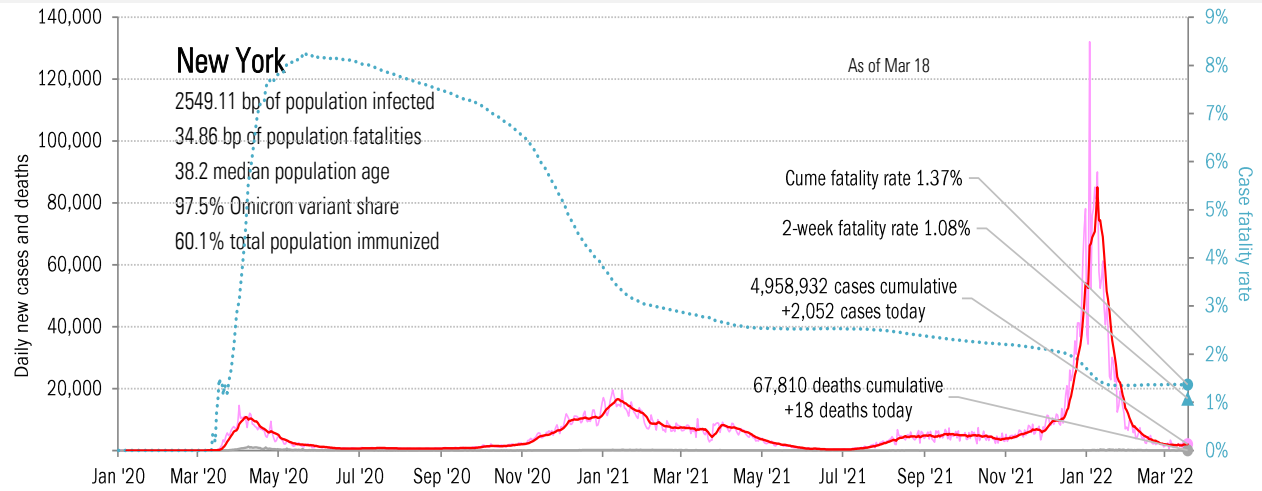


49 of 52 states & territories  
in two-week downtrends  
As of Mar 18

Source: [Covid Act Now](https://covidactnow.com), TrendMacro calculations

# From Ground Zero to the Rio Grande

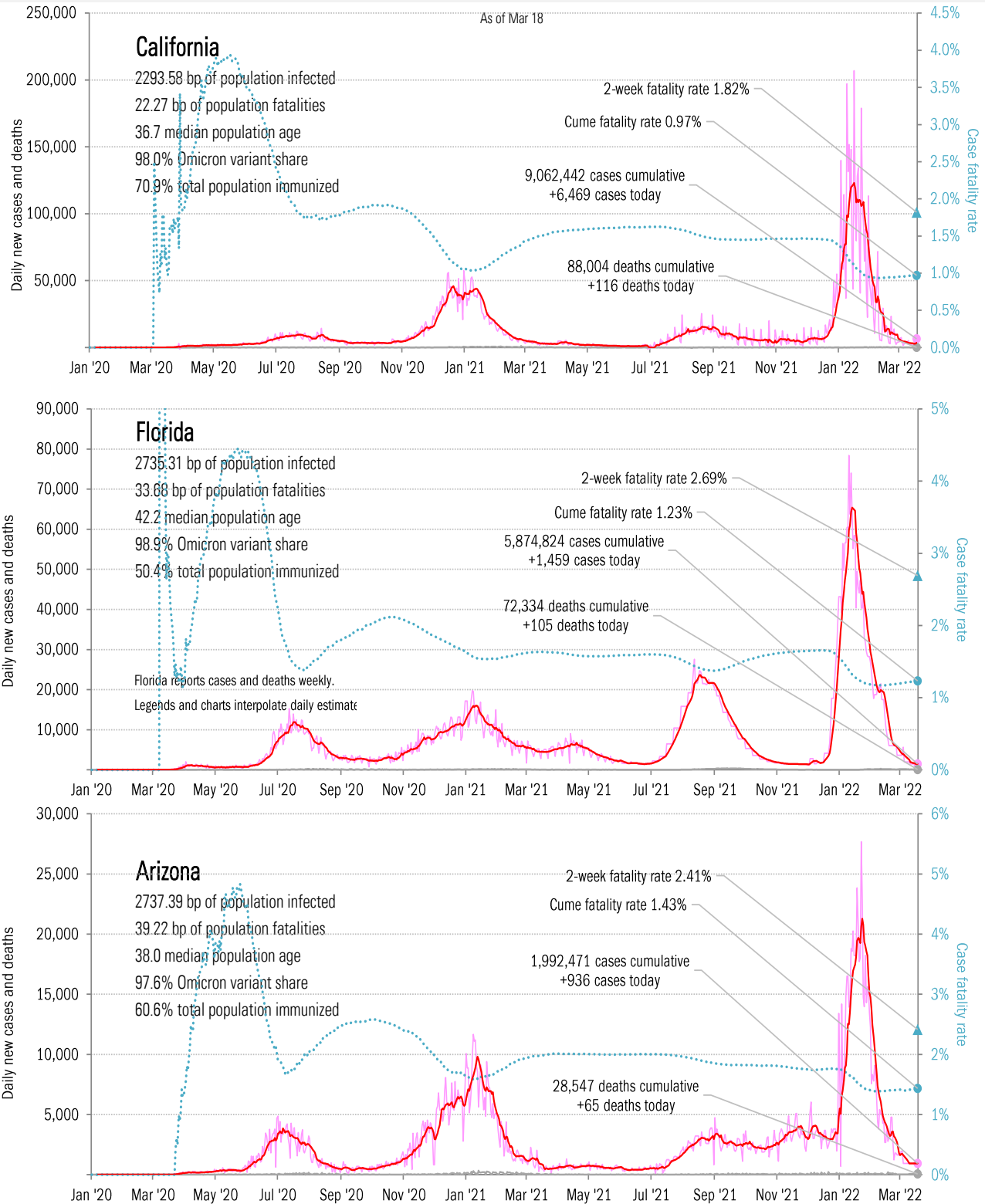
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

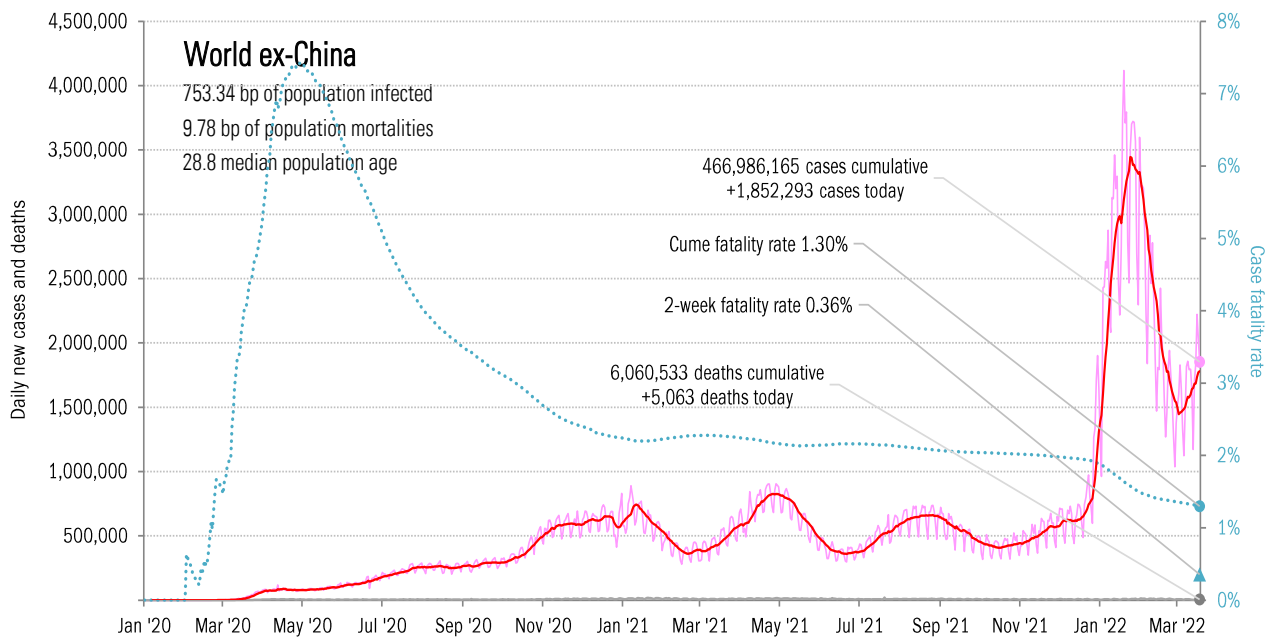
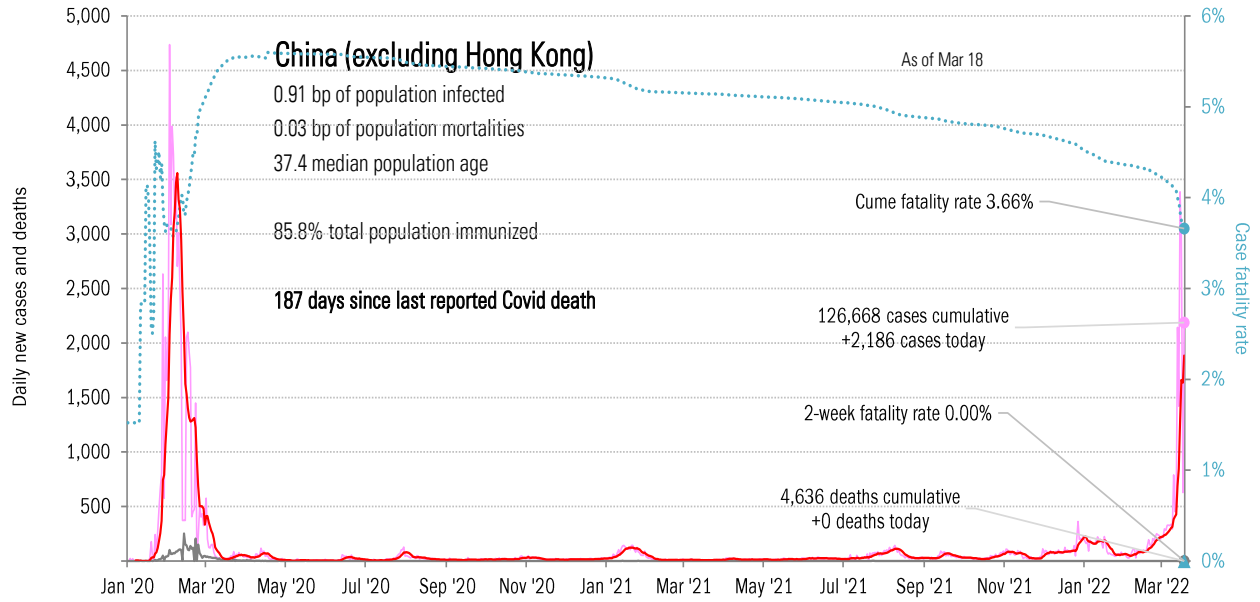
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

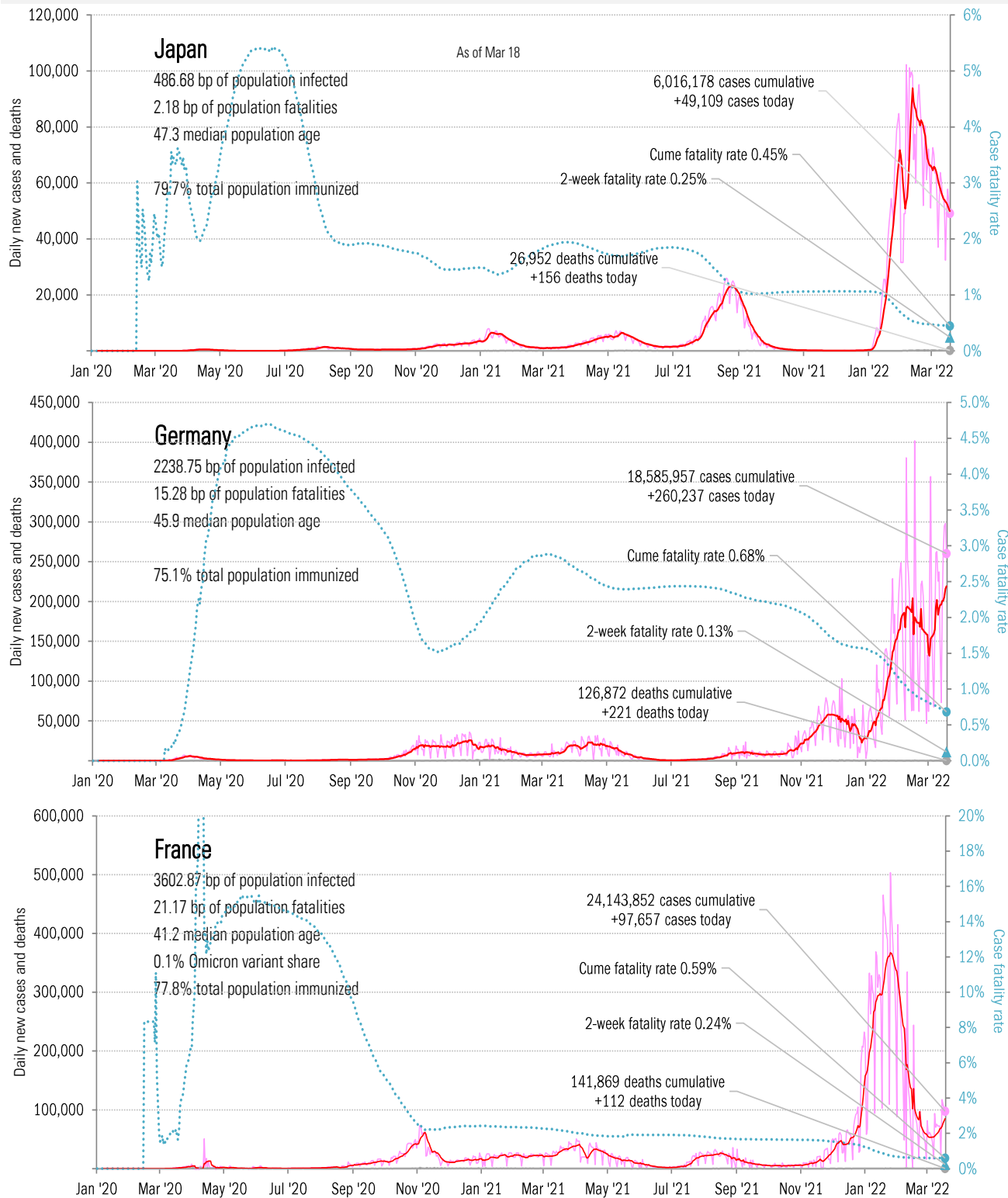
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

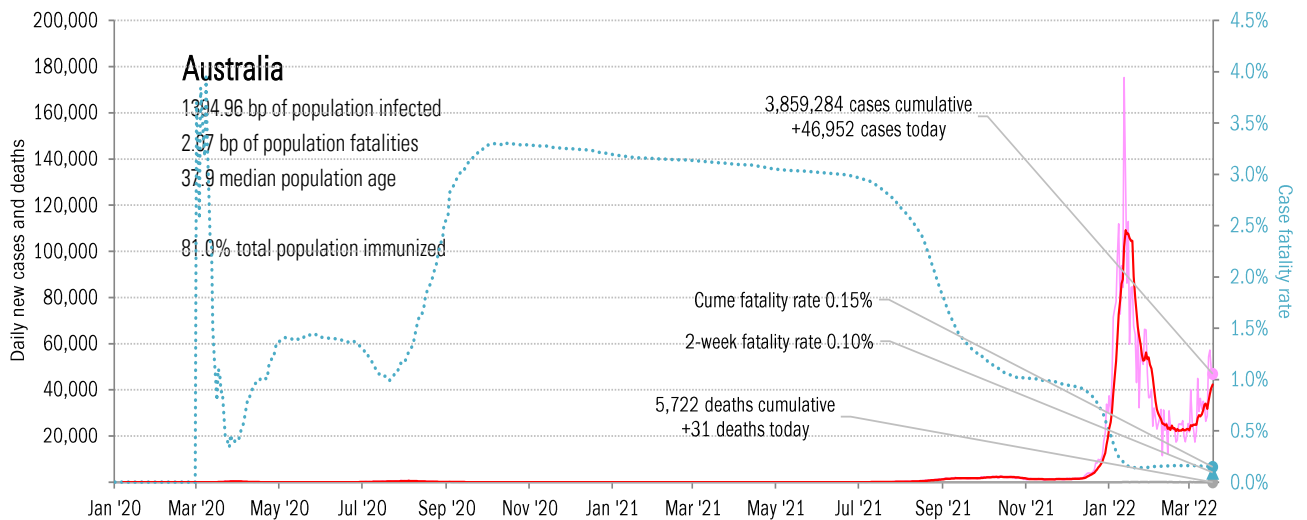
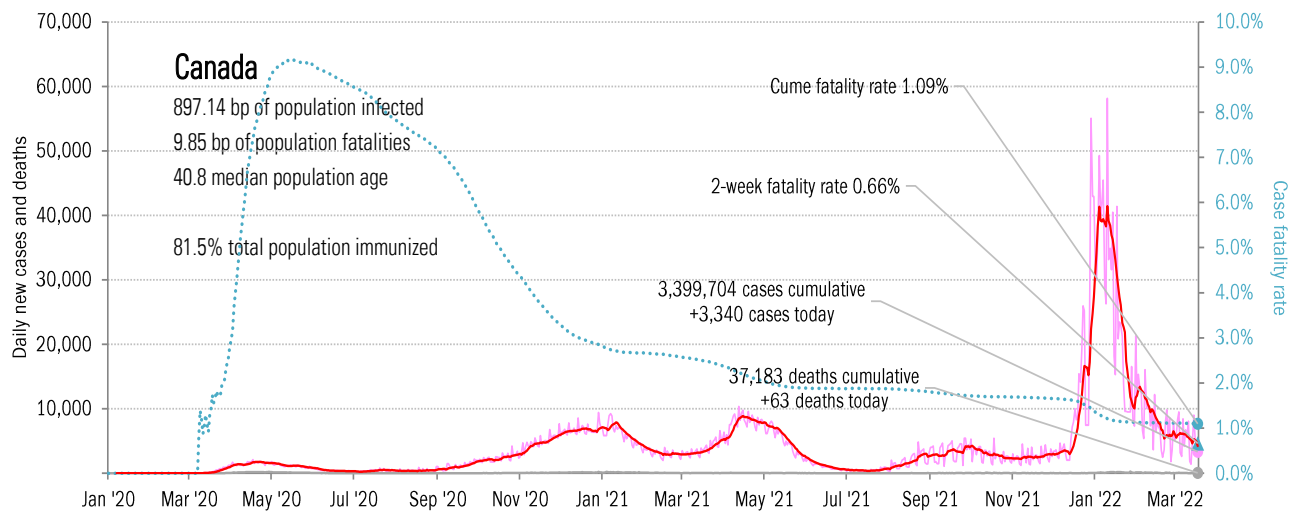
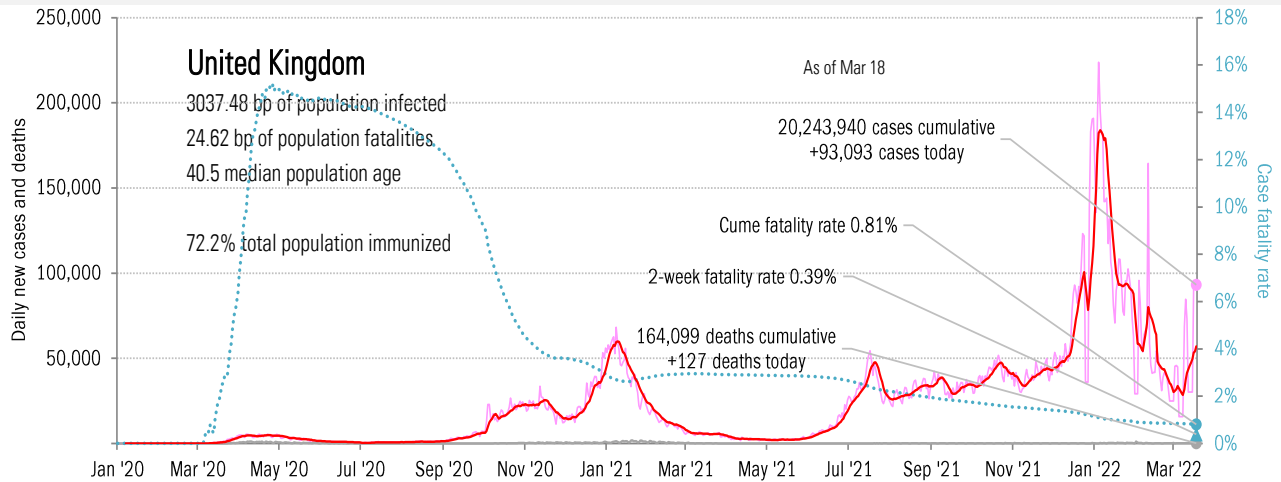


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

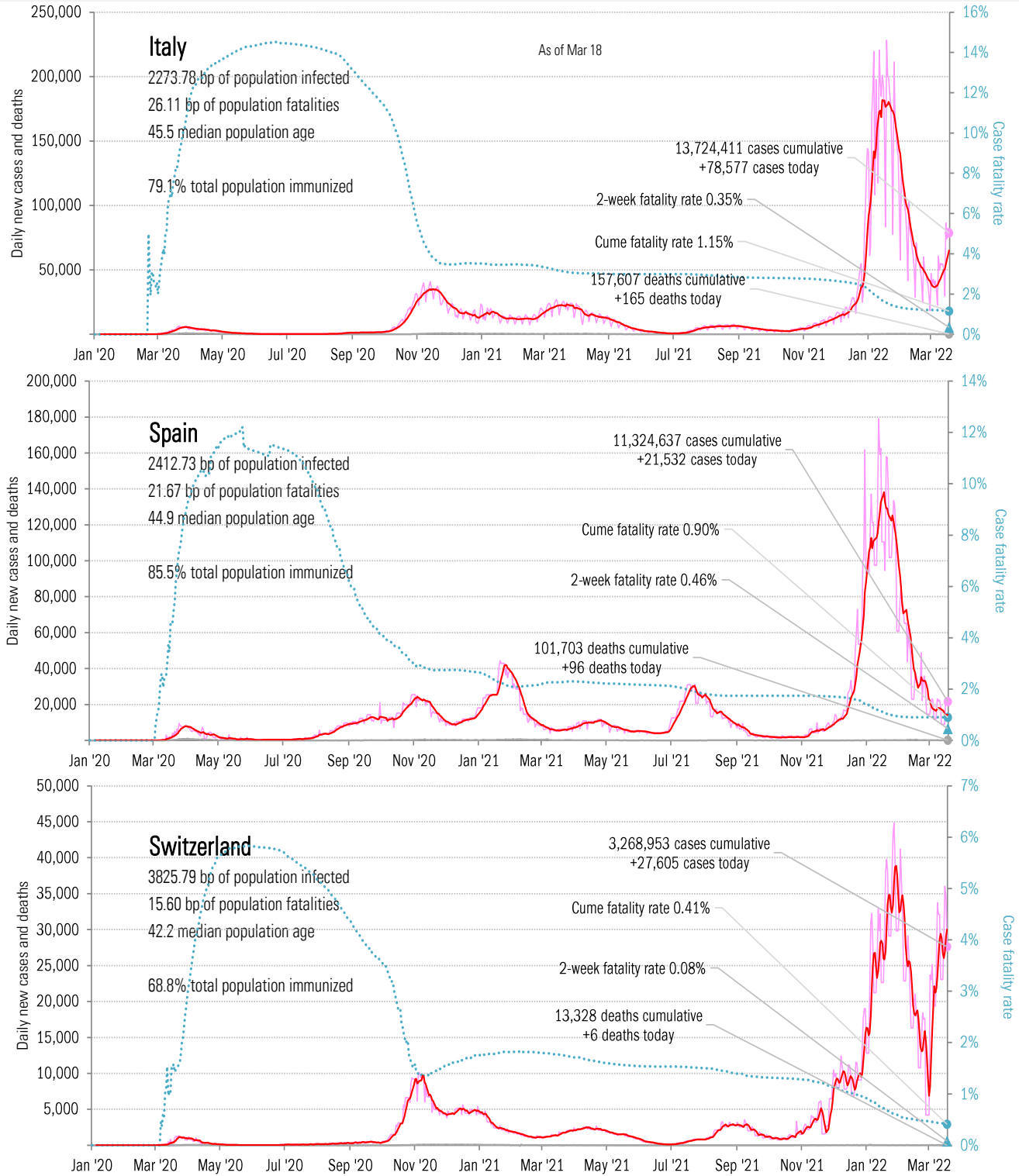
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

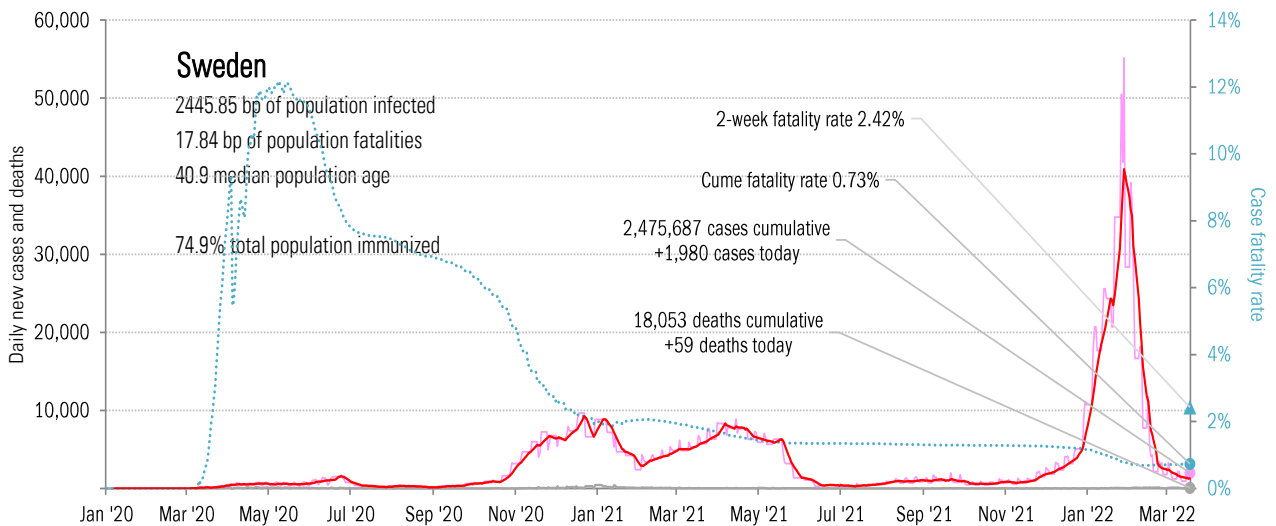
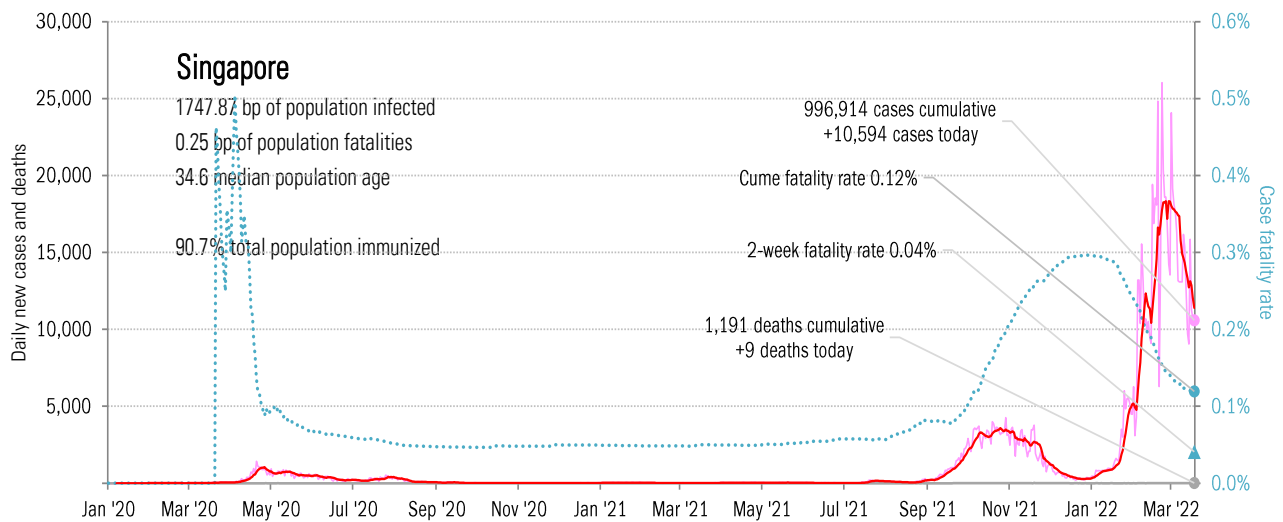
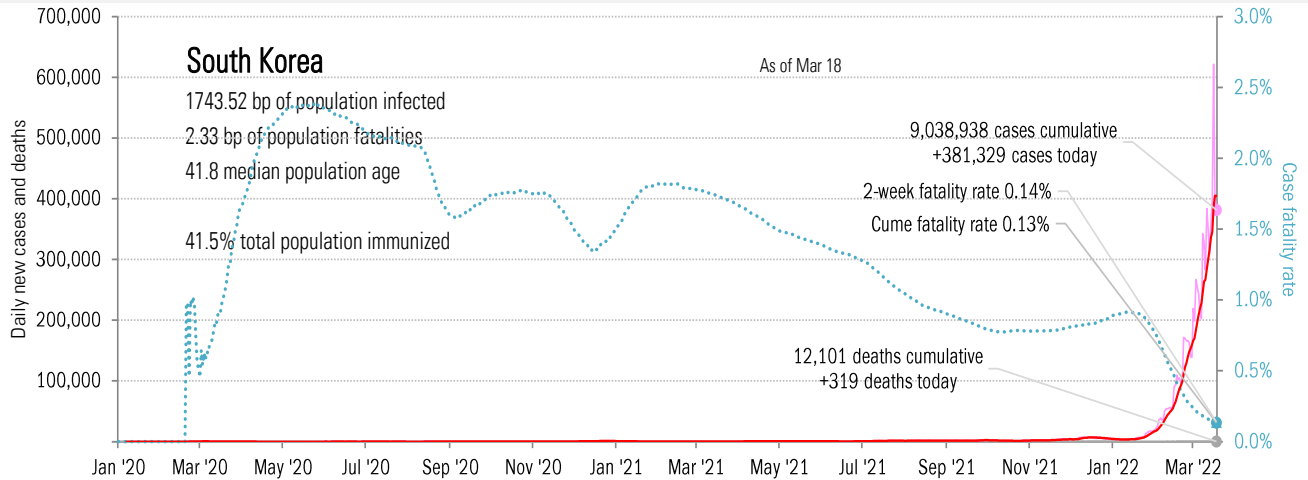
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

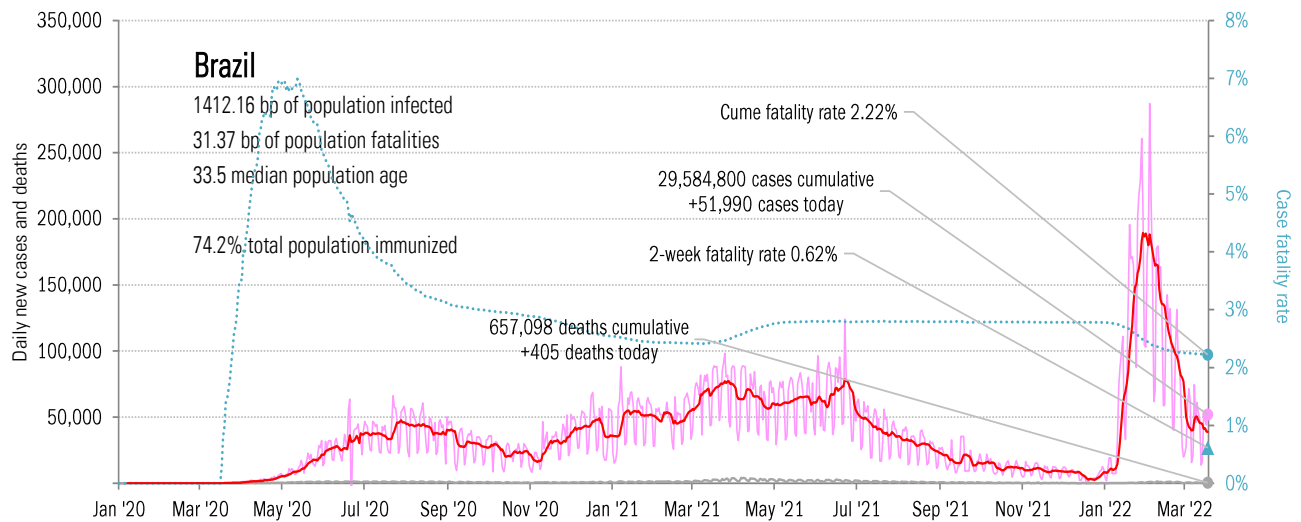
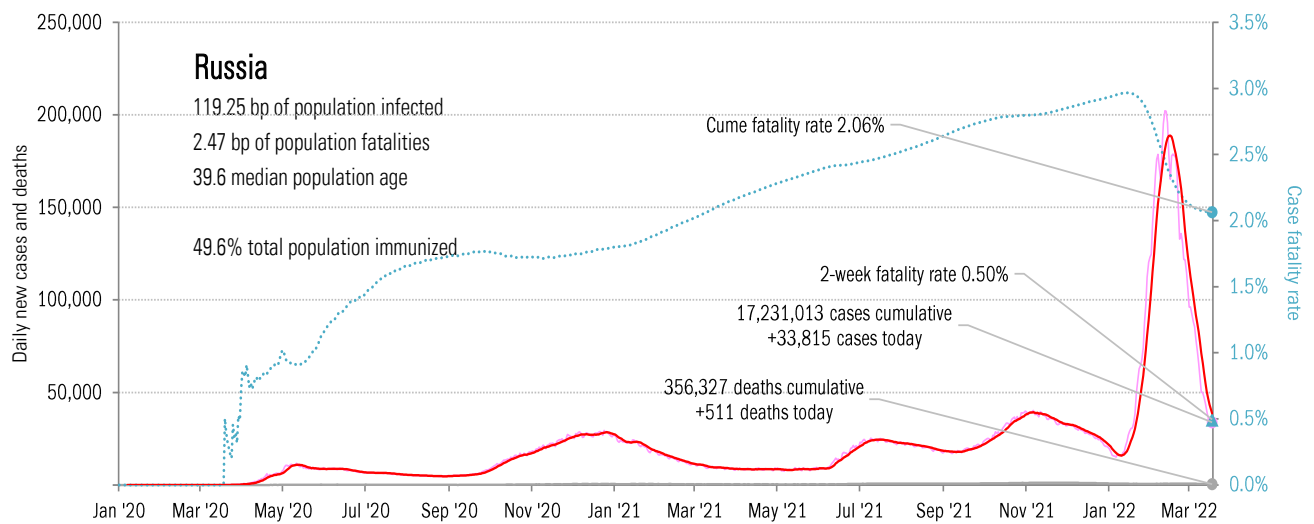
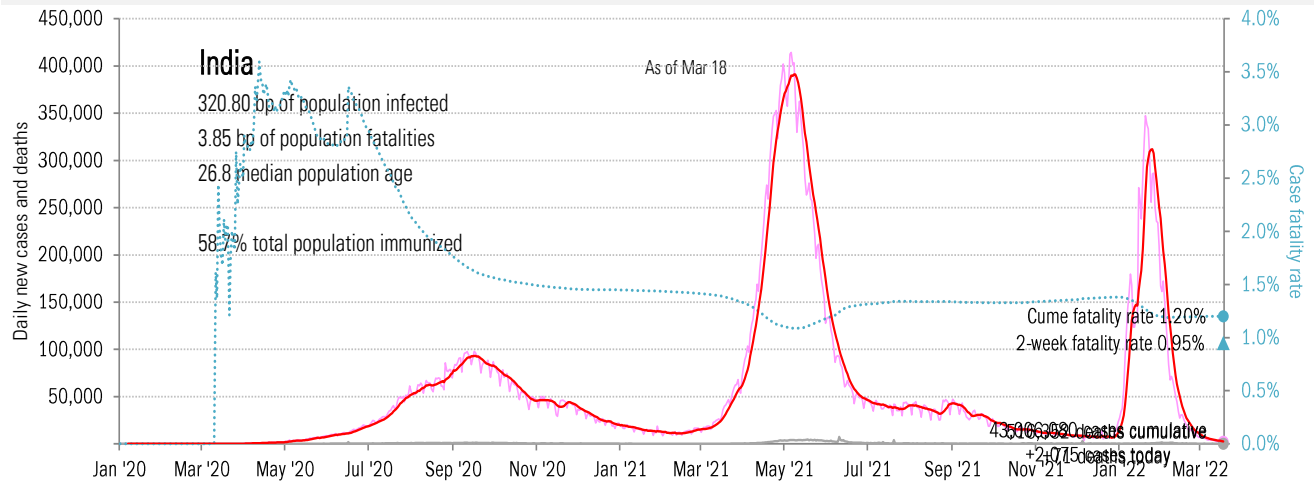
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

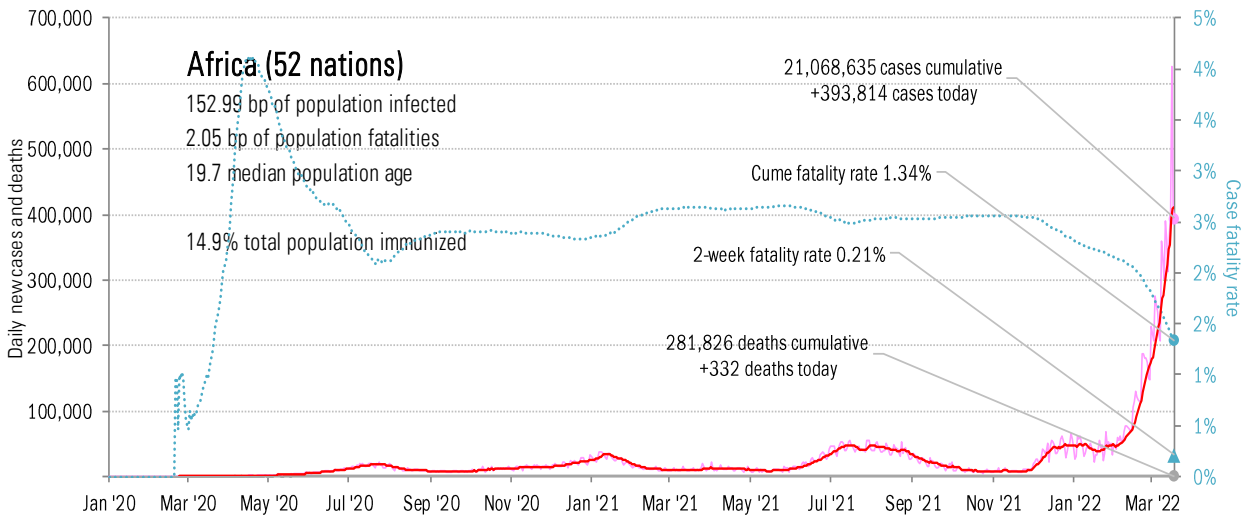
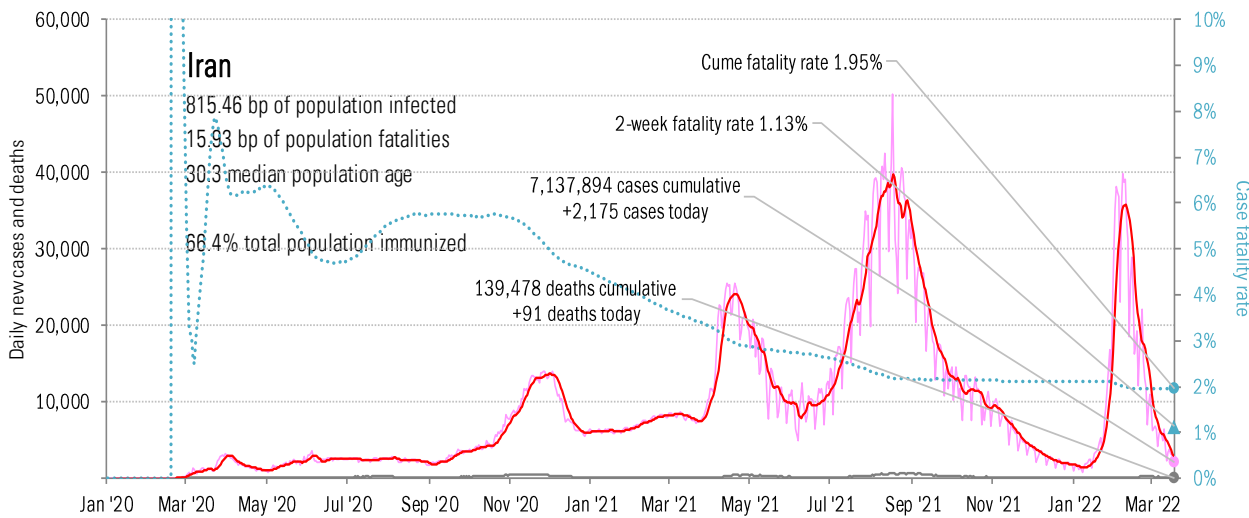
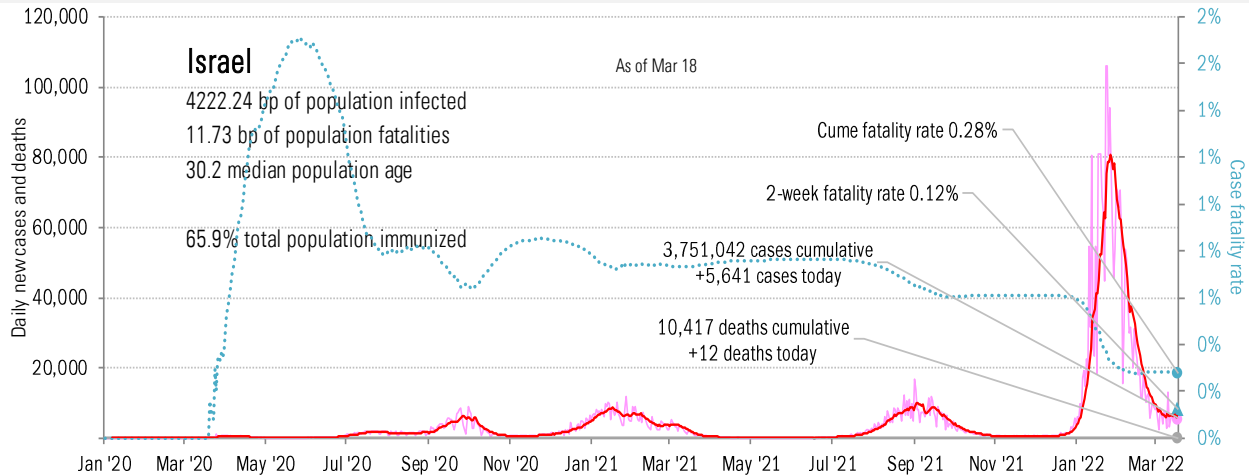
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

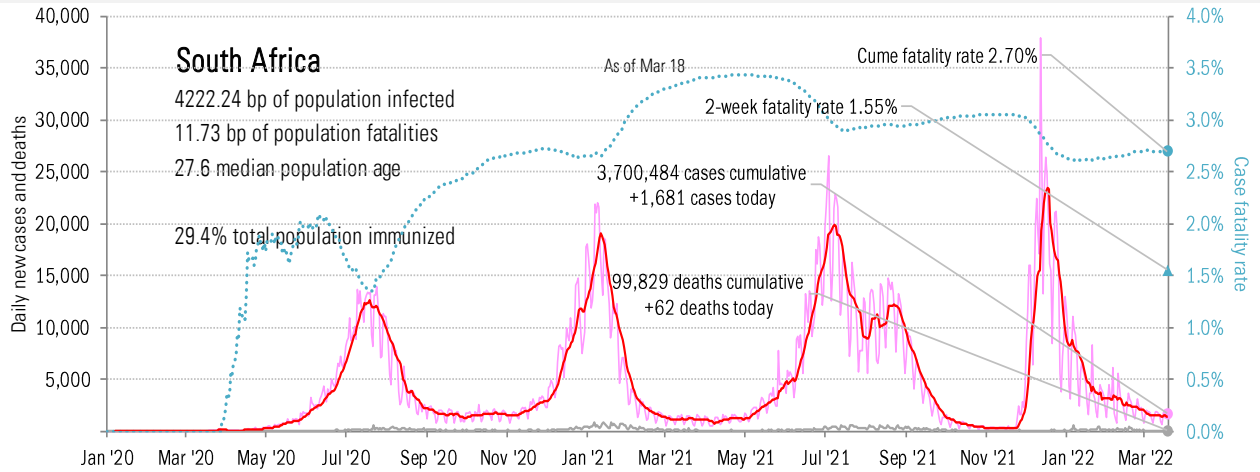
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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