

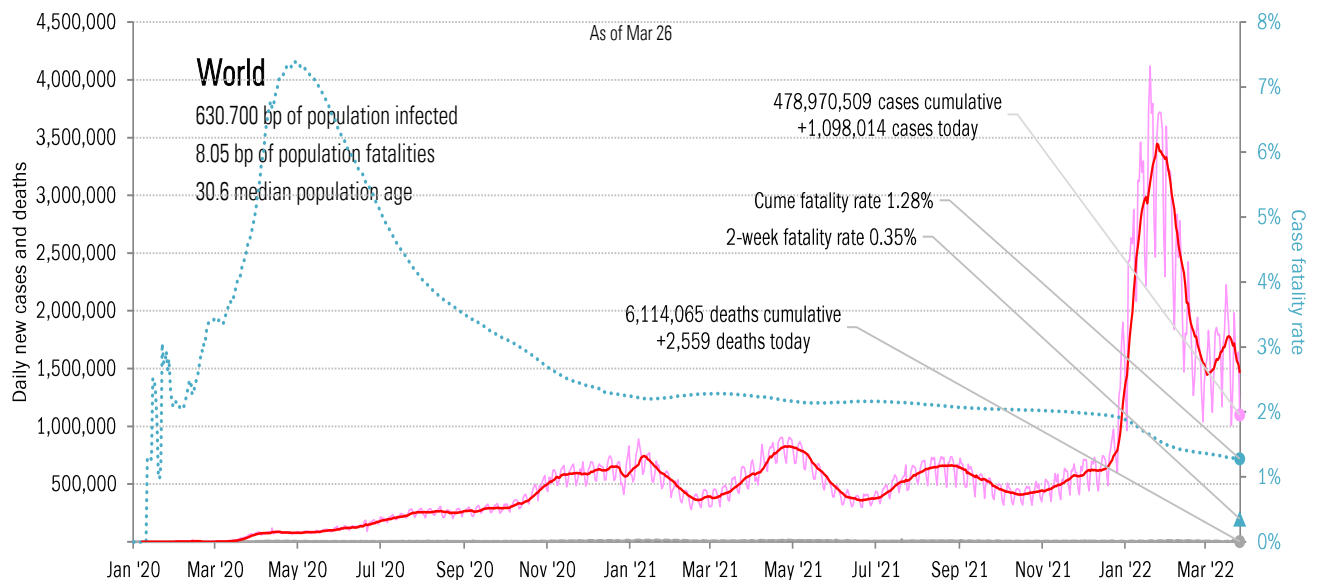
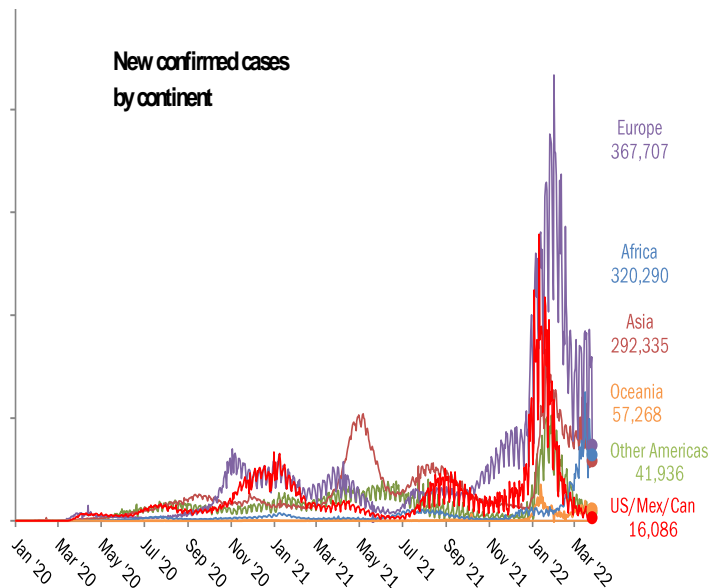
## Data Insights: Covid-2019 Monitor

Sunday, March 27, 2022

### The global scorecard

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

The worst ten countries			
New cases		New Deaths	
Korea, South	318,130	Russia	386
Vietnam	158,305	Korea, South	282
France	139,517	United States	193
Italy	74,616	Brazil	191
Japan	47,224	India	149
Australia	46,749	Italy	118
Austria	33,508	Japan	101
Brazil	29,334	Poland	85
Netherlands	28,241	Thailand	84
Thailand	25,821	Chile	76
<b>901,445</b>		<b>1,665</b>	
World	1,098,014	World	2,559
Top ten	82%	Top ten	65%



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

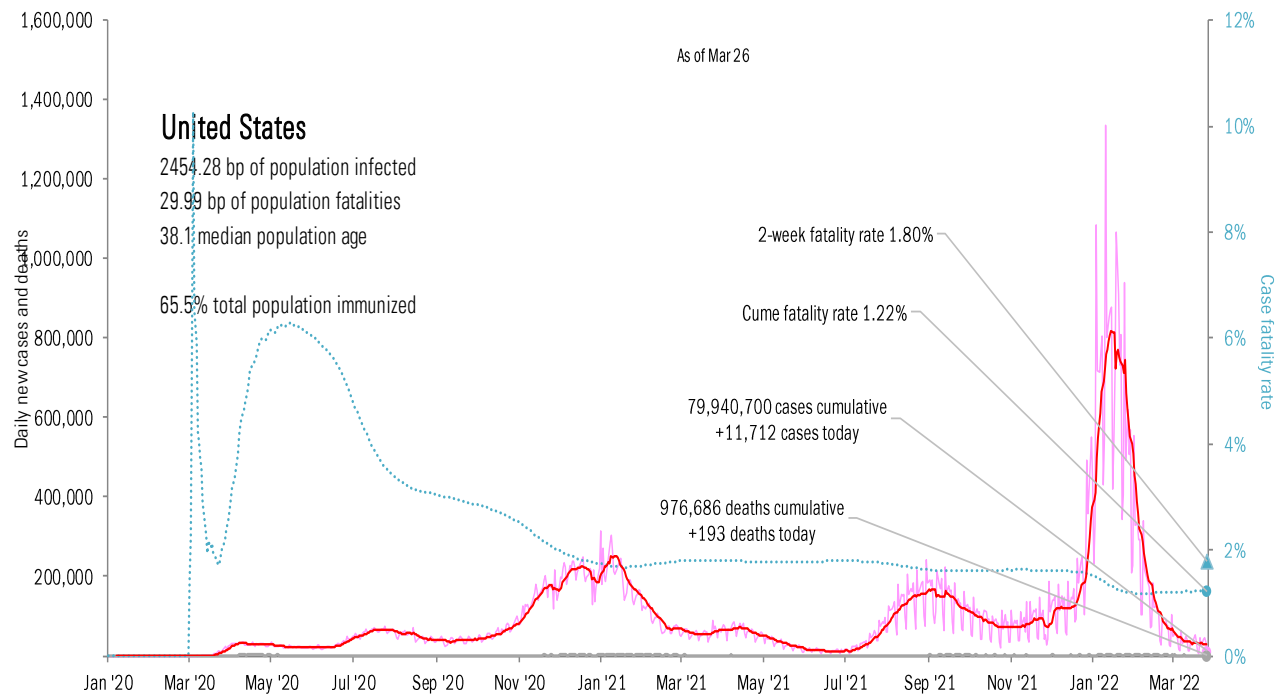
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
TX	4,998		TX	64		CA	209		CA	9,089,859		CA	88,597		TX	486,264		RI	88%	TX	85%
FL	2,392		FL	46		TX	198		TX	6,726,451		TX	87,012		CA	421,696		MA	85%	VT	83%
CA	957		PA	28		MA	35		FL	5,879,607		FL	73,061		FL	412,791		MN	84%	NM	83%
NJ	909		CA	18		ME	15		NY	4,977,256		NY	67,917		NY	244,242		DC	83%	AL	81%
PA	660		NY	10		UT	18		IL	3,061,224		PA	44,208		GA	206,303		WA	82%	KY	80%
FR	614		NJ	7		AL	26		PA	2,778,646		CH	37,793		CH	189,824		PA	82%	WA	80%
MD	401		AR	6		NV	18		CH	2,669,698		GA	36,771		PA	175,229		MO	82%	WV	80%
IA	230		MD	6		PR	10		NC	2,624,305		IL	35,740		IL	156,096		WV	81%	AK	79%
TN	224		ME	2		WV	18		GA	2,485,736		MI	35,572		MI	140,335		MD	81%	CK	78%
ME	188		AK	0		AR	23		MI	2,384,088		NJ	33,210		KY	132,398		NH	80%	DE	78%
	11,573			187			570			42,676,870			539,881			2,565,178					
All states	11,712			193			1,584		All states	79,940,700			976,686			4,658,058		All states	70%		67%
Top ten	99%			97%			36%		Top ten	53%			55%			55%		Median	75%		73%

Some states not reporting

## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-6,561	CA	-85	CO	-24	TN	+10 bp
NY	-3,542	GA	-65	IN	-24	AK	+0 bp
CA	-2,681	WI	-56	MS	-17	AL	+0 bp
WA	-2,448	WV	-52	RI	-16	AR	+0 bp
CO	-2,295	WA	-40	IL	-15	AS	+0 bp



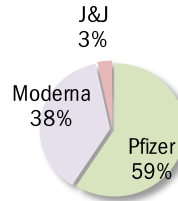
Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	574,742,280	+0.137 million	US	65.5%	76.9%
Boosters	98,472,993	+0.056 million	UK	72.4%	77.4%
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>
Total population	262,877,390	79%	223,616,062	67%	+0.033 million
Age 12 to 17	17,516,378	69%	14,942,549	59%	+0.004 million
Age 18 to 64	177,110,520	87%	150,236,512	74%	+0.020 million
Age 65 and over	58,273,265	100%	50,474,631	92%	+0.003 million

France	77.8%	80.1%
Spain	85.8%	88.0%
Germany	75.2%	75.9%
Italy	79.2%	84.0%
Australia	82.0%	86.1%
Israel	66.0%	72.1%
Canada	81.8%	85.8%
Japan	79.8%	81.1%
Africa	14.9%	20.2%
India	59.3%	70.5%
Brazil	74.7%	84.5%
China	85.9%	88.3%

Global data differs due to sources, timing



AK
69.2%
61.6%

State
At least partial immunity as % population
Full immunity as % population

"Immunity" = two doses

Best

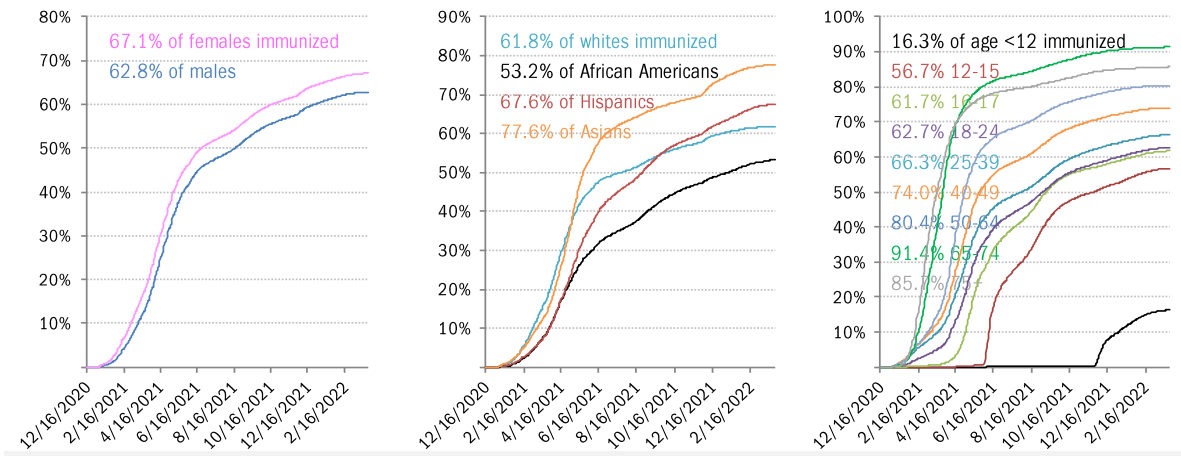
Middle

Worst

As of Mar 26

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
80.2%	60.7%	64.8%	64.6%	74.7%	76.3%	66.6%	89.5%	92.8%	88.1%	
72.0%	53.6%	56.3%	54.6%	68.7%	68.1%	59.7%	76.1%	80.5%	68.2%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.4%	74.6%	58.3%	75.5%	67.6%	61.0%	63.2%	83.9%	89.6%	95.0%	
69.1%	60.2%	51.0%	60.4%	61.5%	54.4%	58.0%	67.5%	74.9%	78.1%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.4%	71.6%	78.8%	69.7%	65.7%	65.7%	64.5%	84.9%	85.6%	94.5%	95.0%
71.0%	63.7%	69.7%	62.9%	55.5%	56.9%	57.1%	72.5%	74.7%	78.3%	81.5%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
72.2%	86.7%	74.0%	66.1%	61.7%	83.0%	67.1%	95.0%	82.3%		
60.8%	70.3%	60.8%	53.9%	54.0%	59.8%	56.5%	72.7%	68.3%		
OK	LA	MS	AL	GA						
70.4%	60.6%	59.2%	62.2%	64.8%						
56.5%	53.1%	51.4%	50.6%	54.1%						
TX										
72.0%										
60.7%										
HI										
86.9%										
77.7%										
FL										
78.6%										
66.4%										
PR										
95.0%										
82.1%										

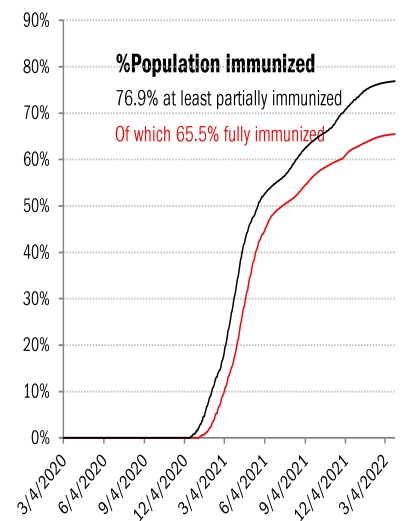
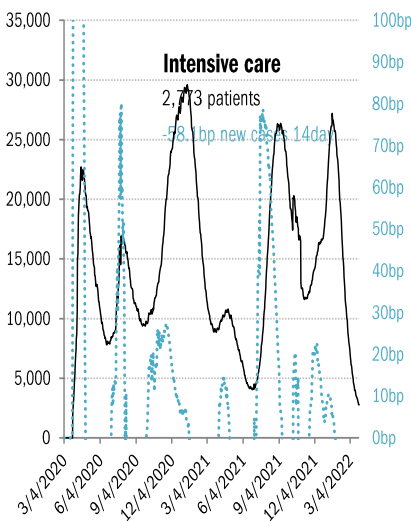
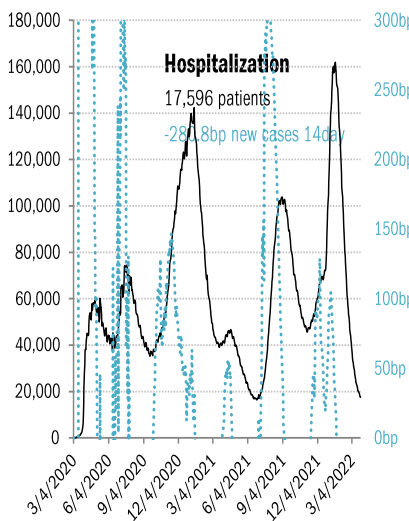
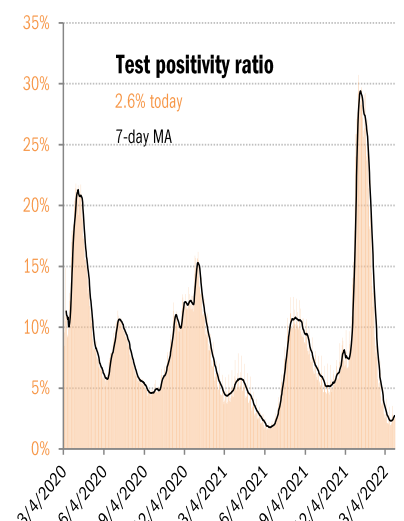
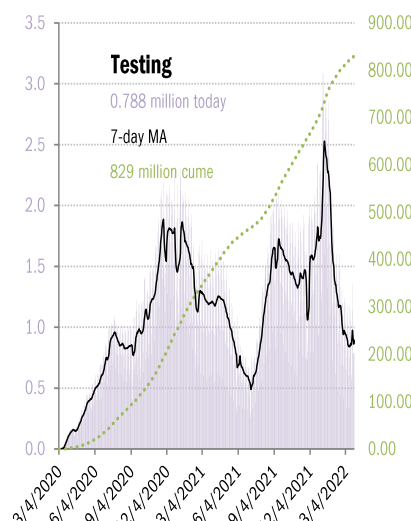
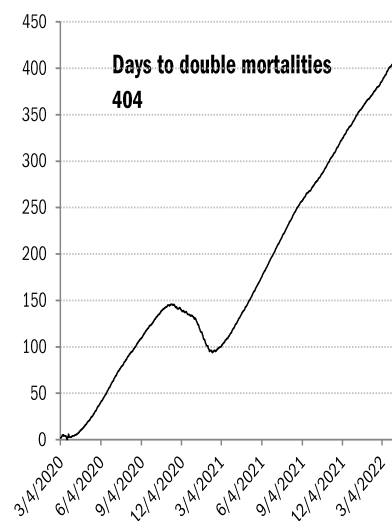
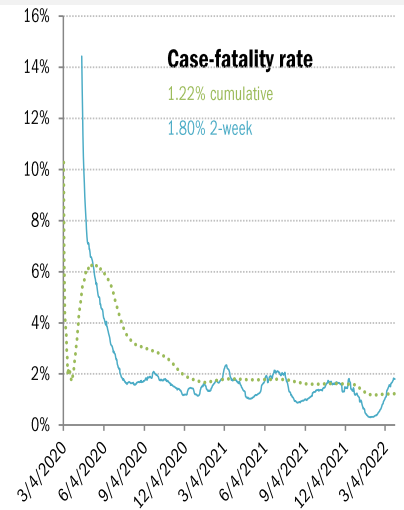
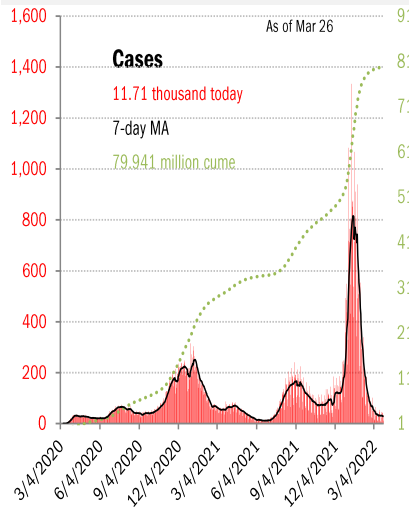
## The demographics of US vaccination



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

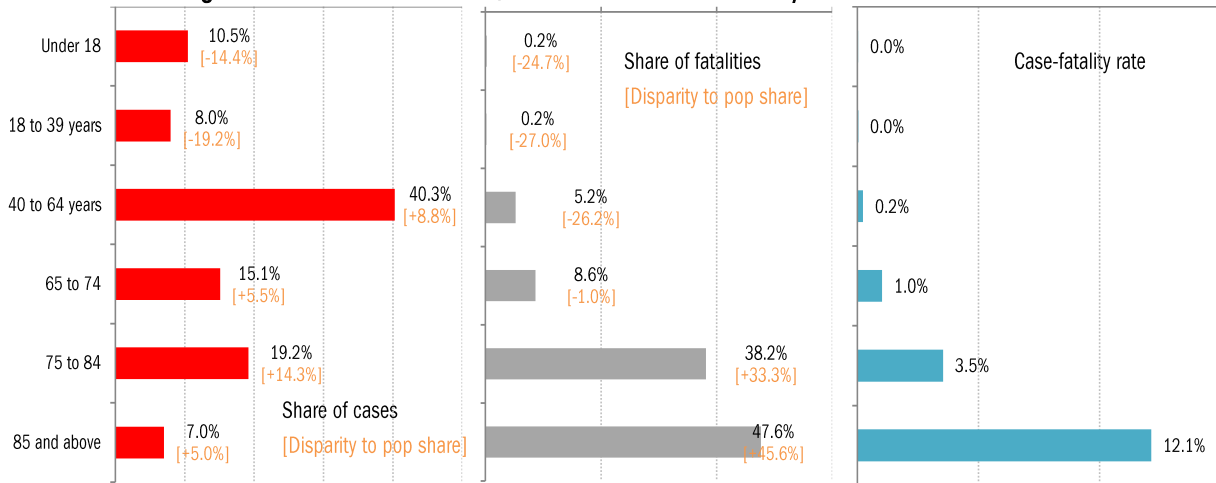
# US deep-dive

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

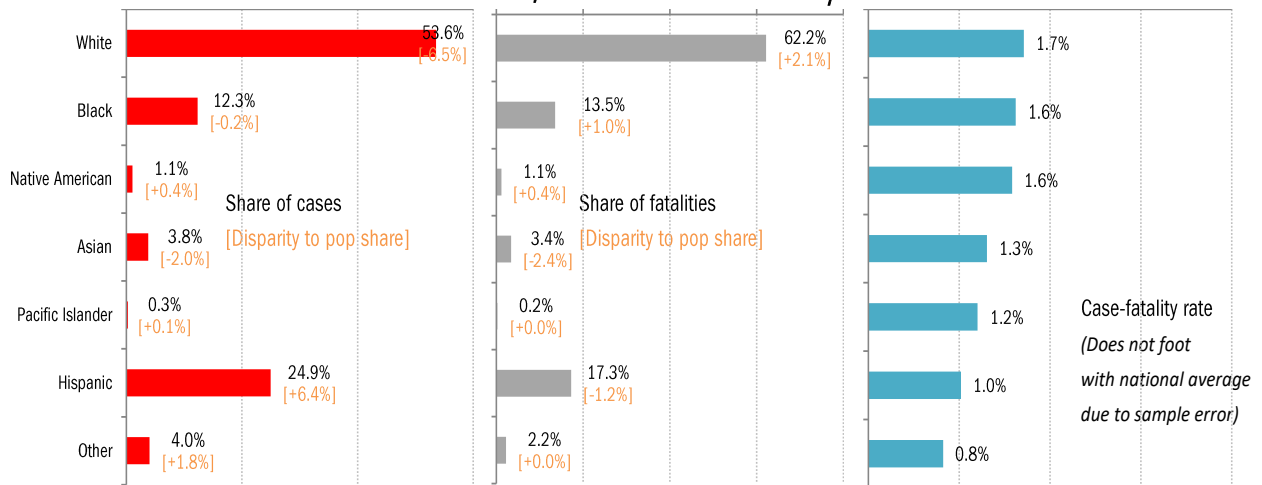


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

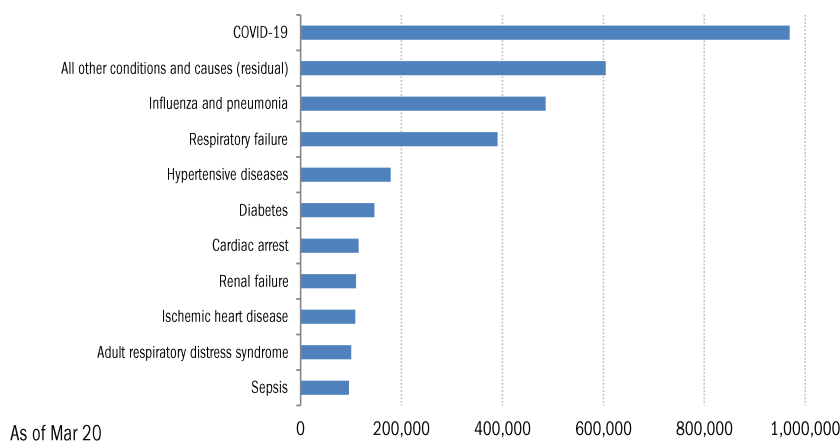


Racial distribution of US cases, fatalities and case-fatality rates



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

[Hawaii lifts its indoor mask mandate and travel restrictions, the last state to do so.](#)

Meghan Miner Murray  
*New York Times*  
March 26, 2022

[The war in Ukraine threatens to spread Covid and undo decades of progress against other infectious diseases.](#)

Apoorva Mandavilli  
*New York Times*  
March 26, 2022

[‘We’re way behind’: next US booster rollout faces delays and lack of funds](#)

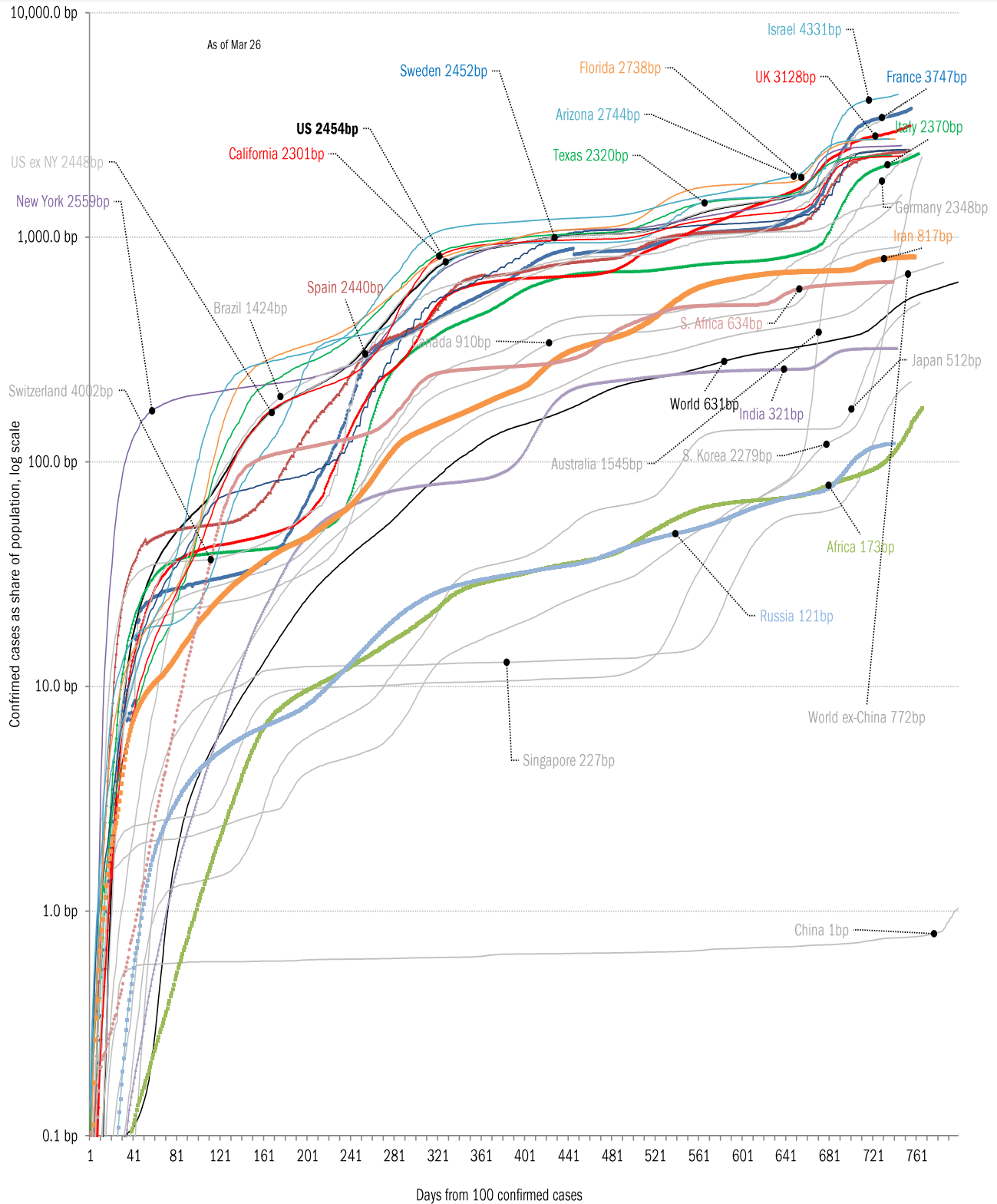
Melody Schreiber  
*The Guardian*  
March 27, 2022

## Meme of the day



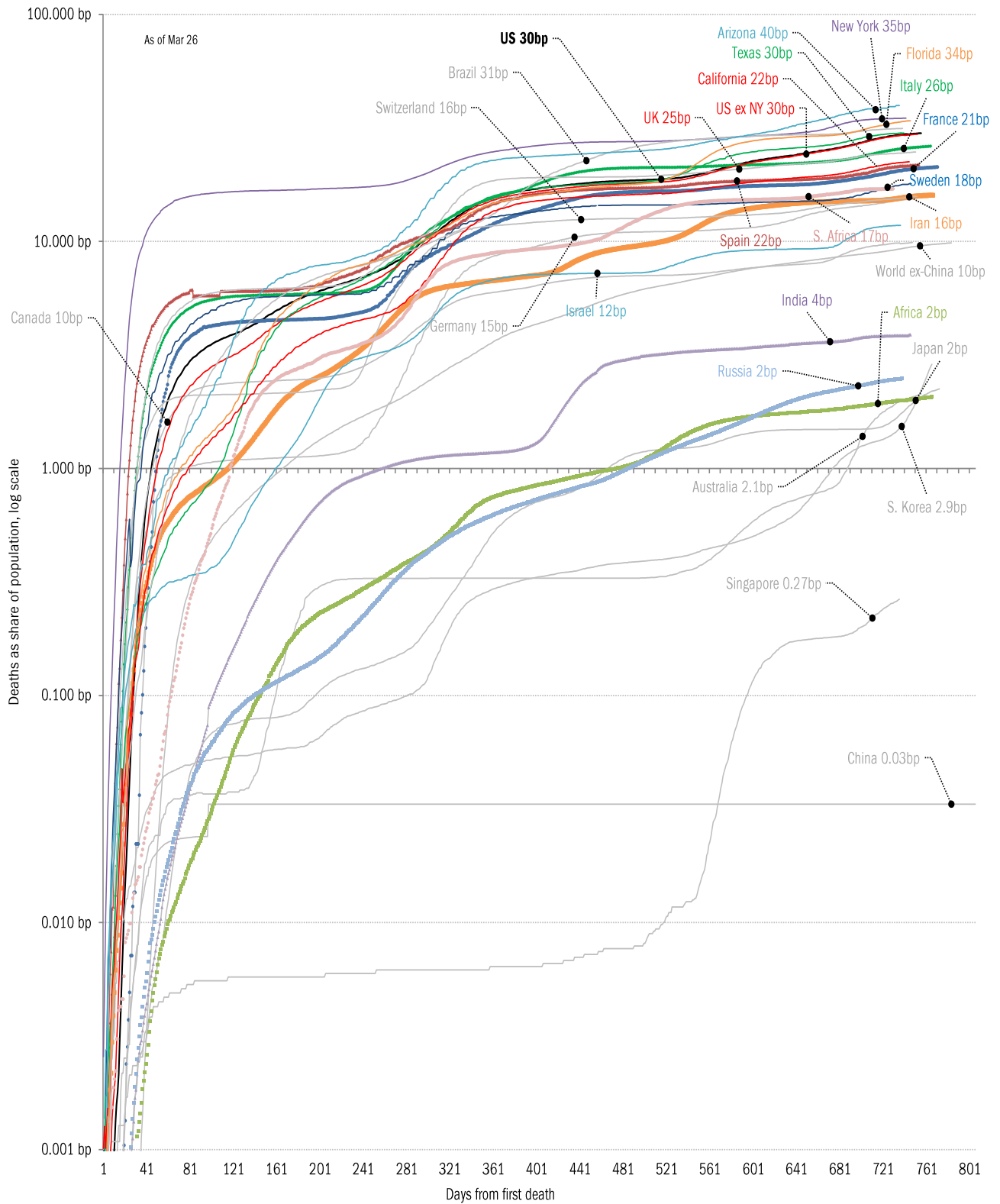
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



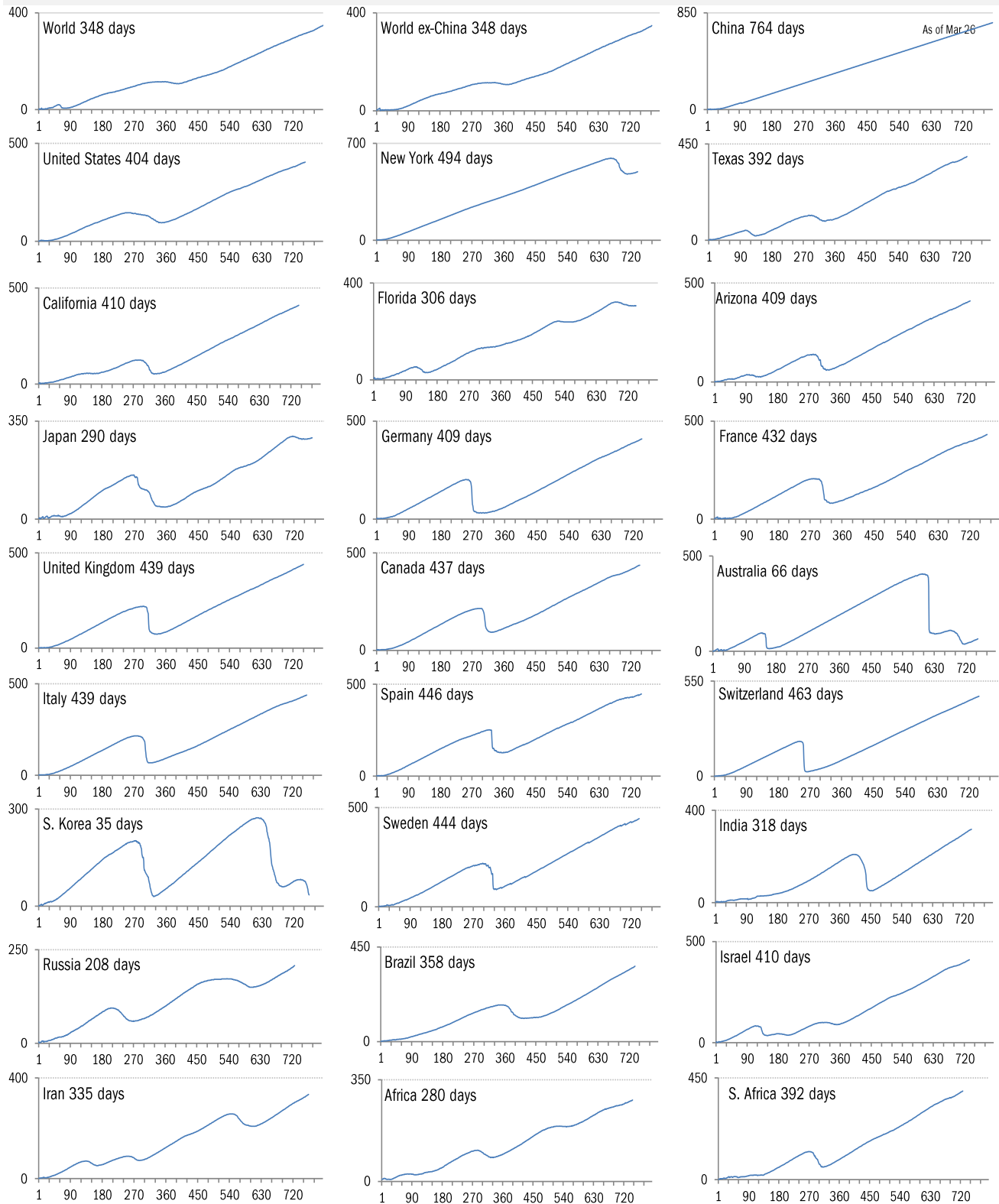
Source: [Johns Hopkins](#), TrendMacro calculations



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

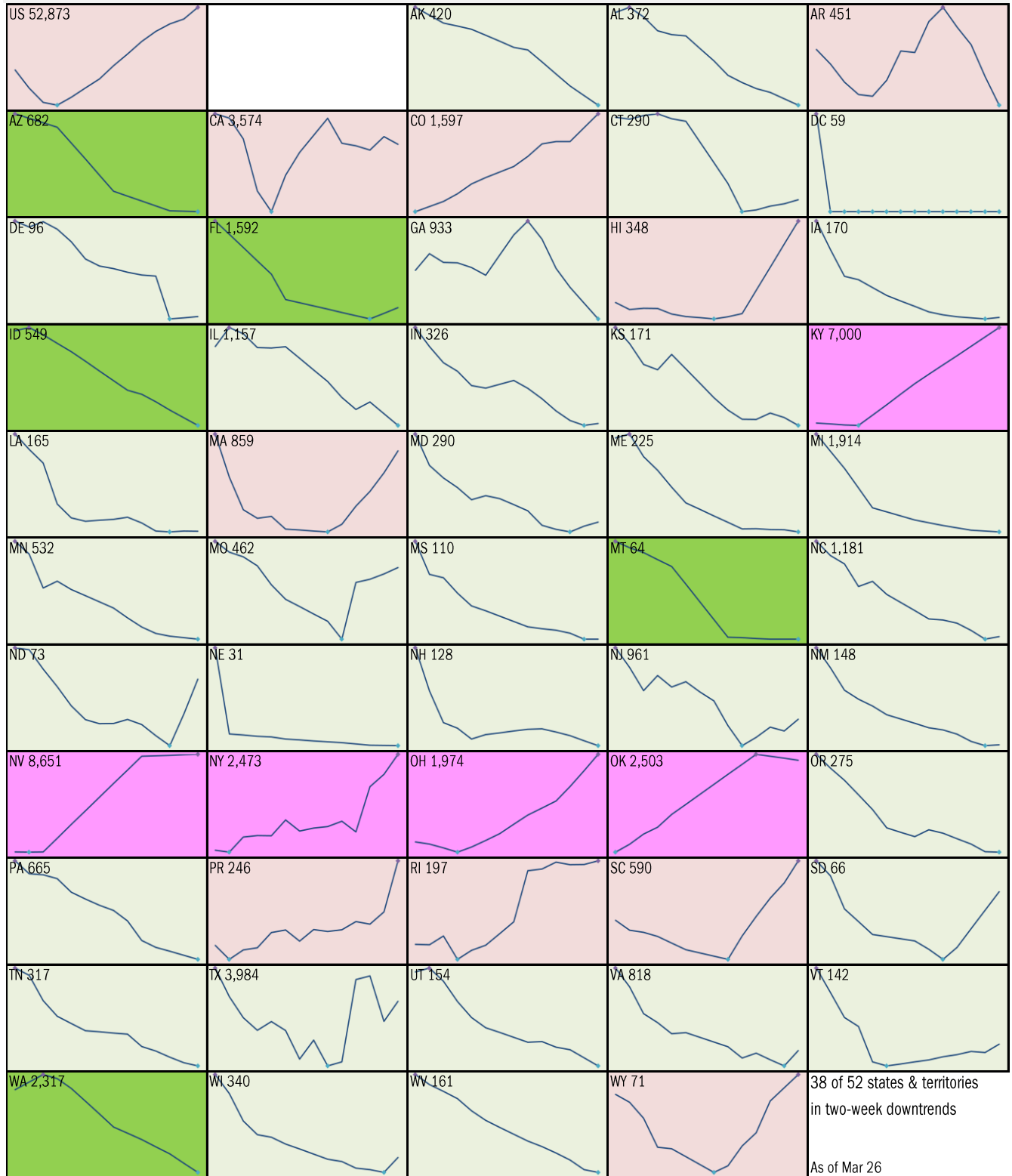


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day 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

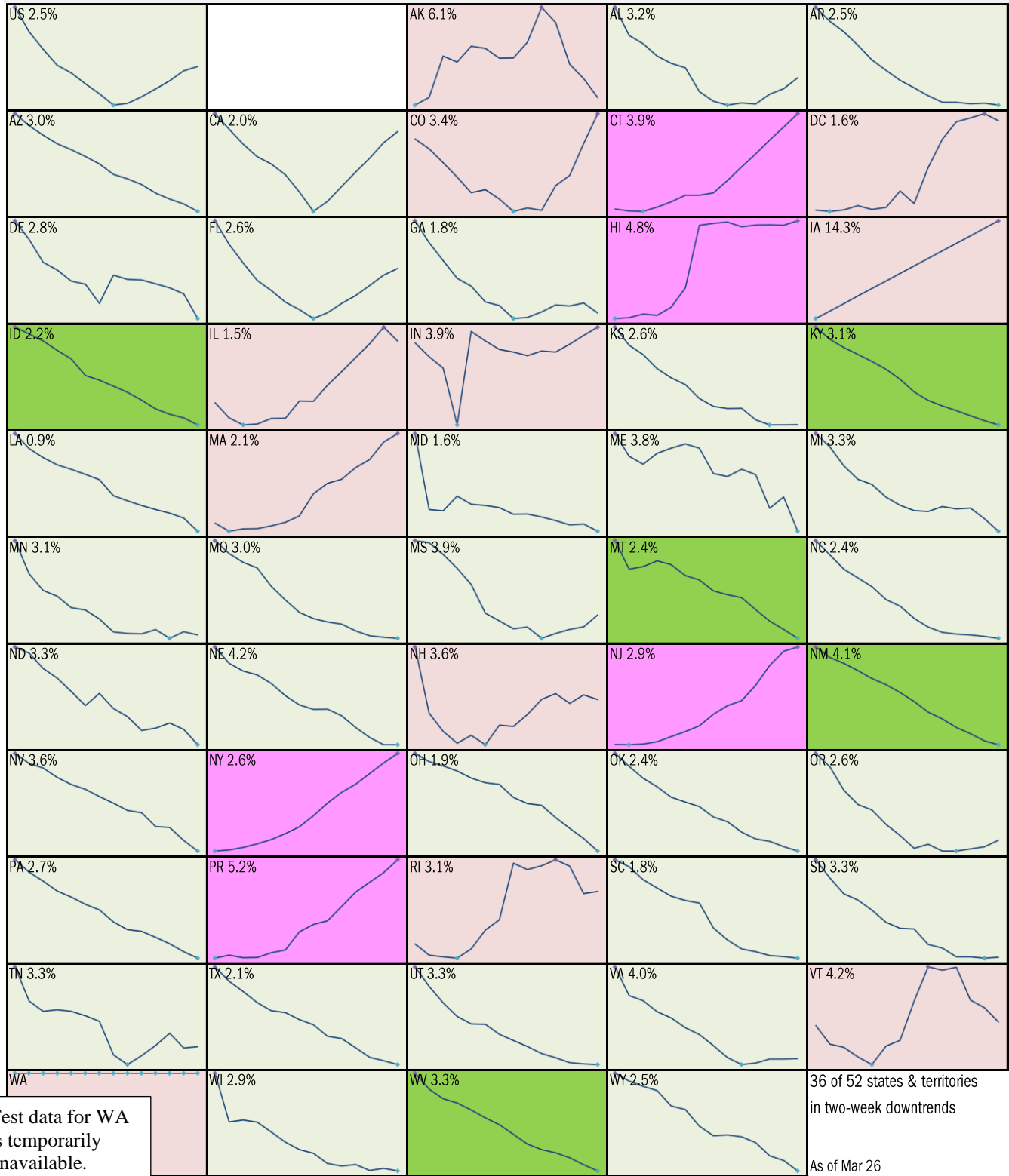


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 14-day 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

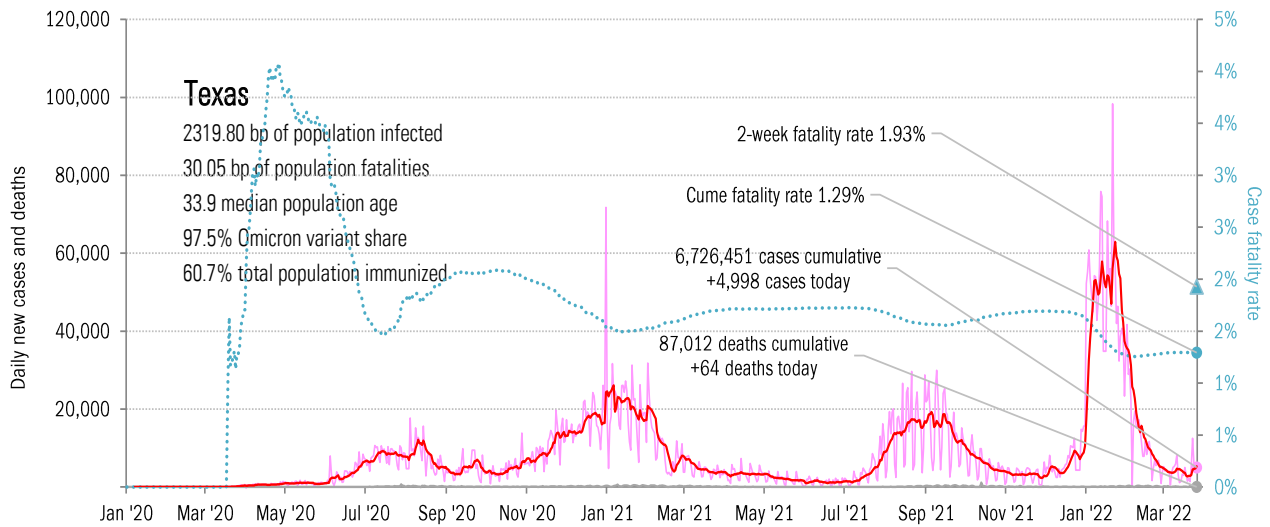
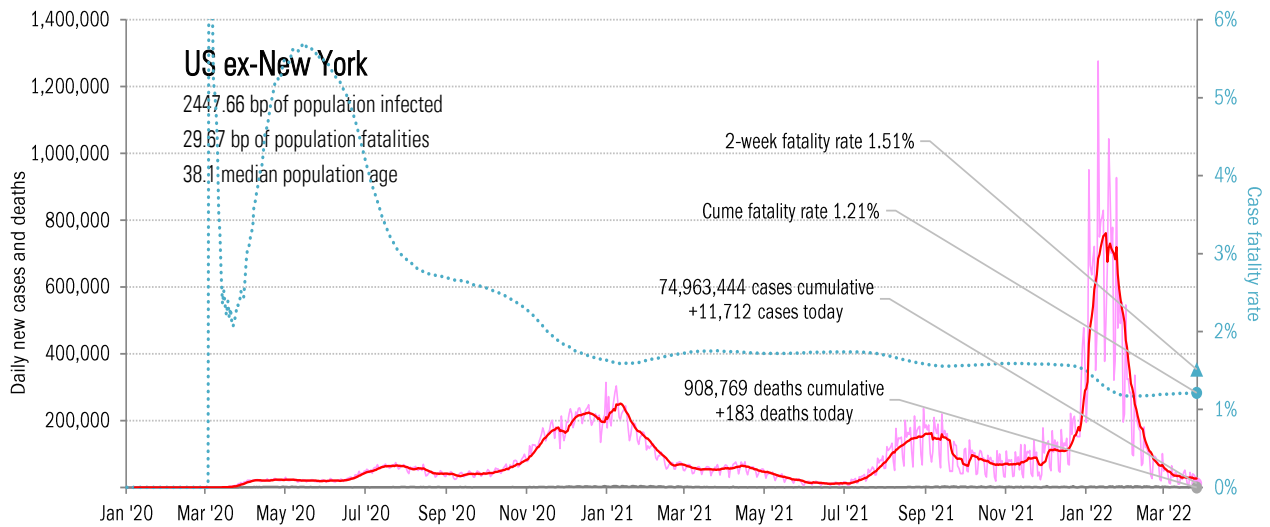
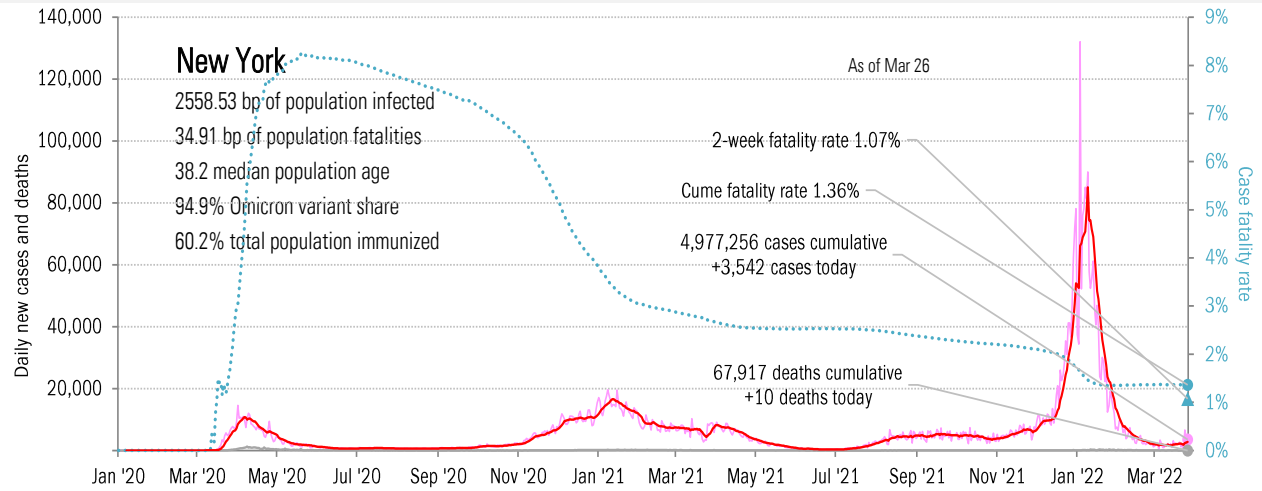


36 of 52 states & territories in two-week downtrends  
As of Mar 26

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

# From Ground Zero to the Rio Grande

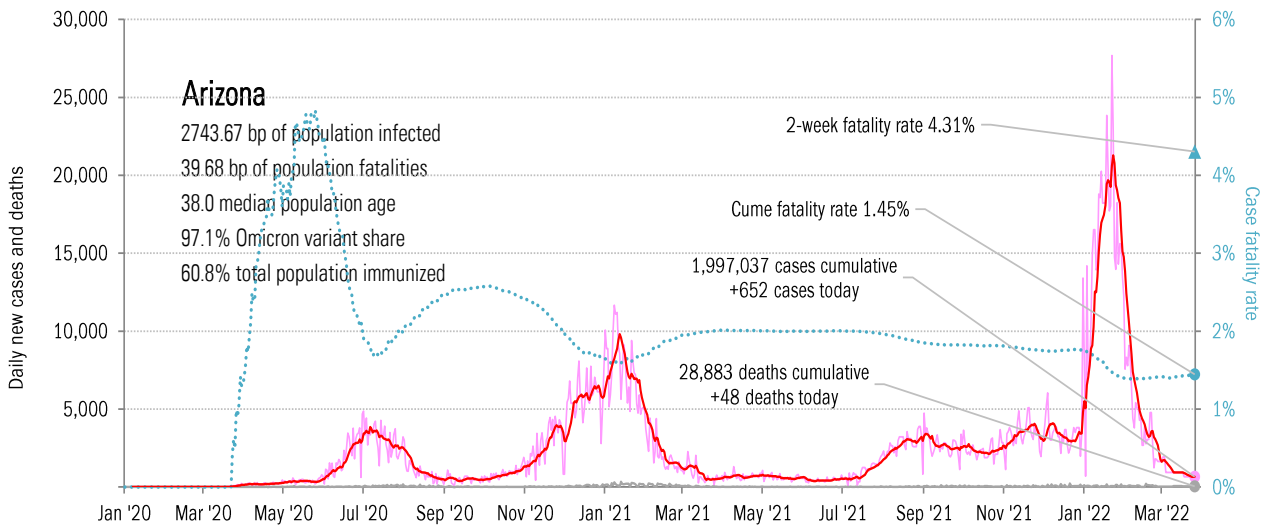
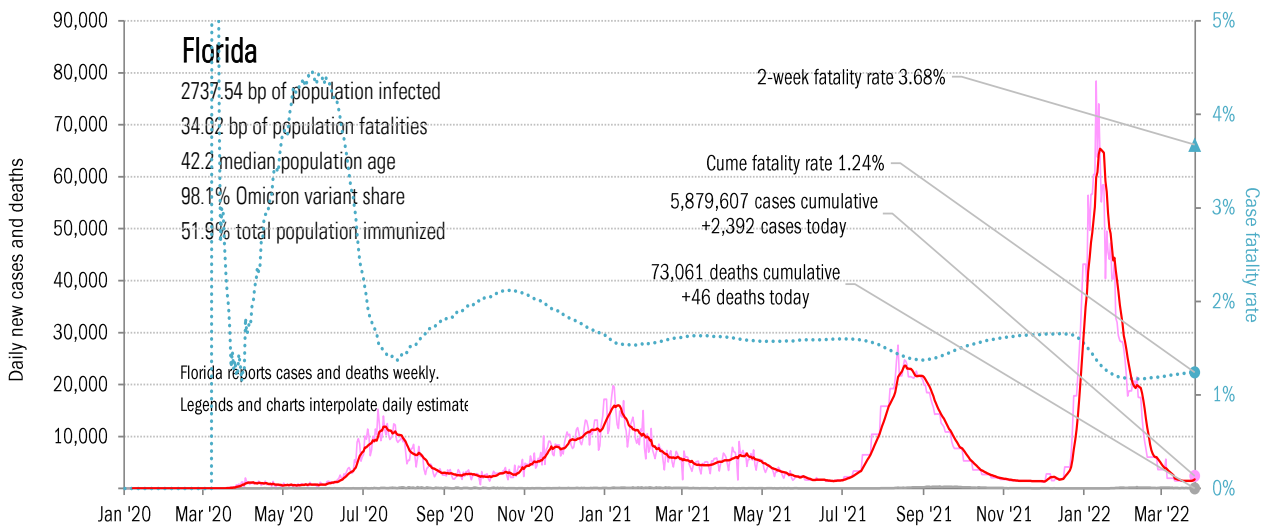
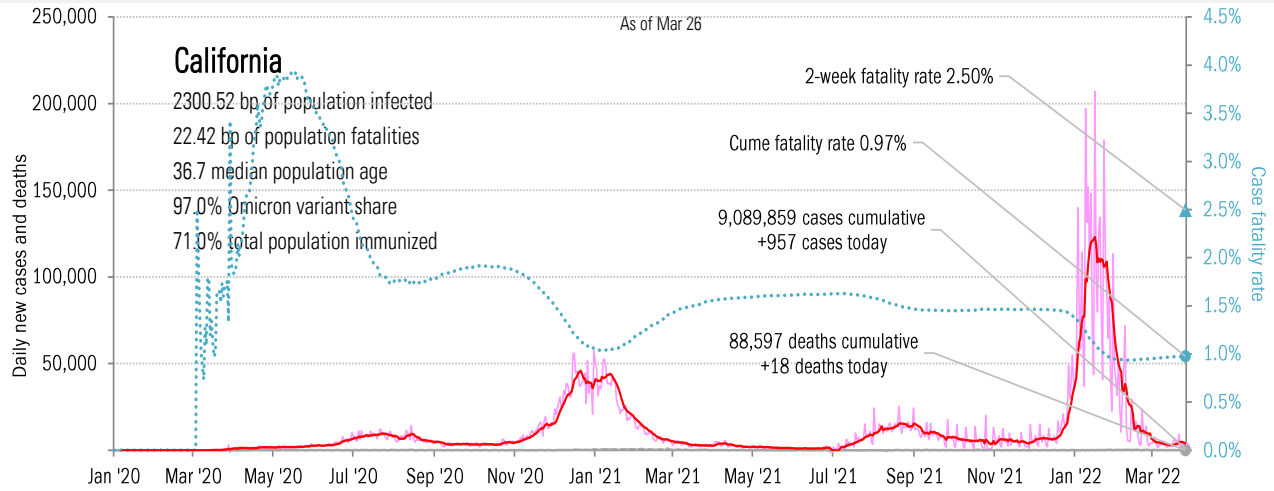
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

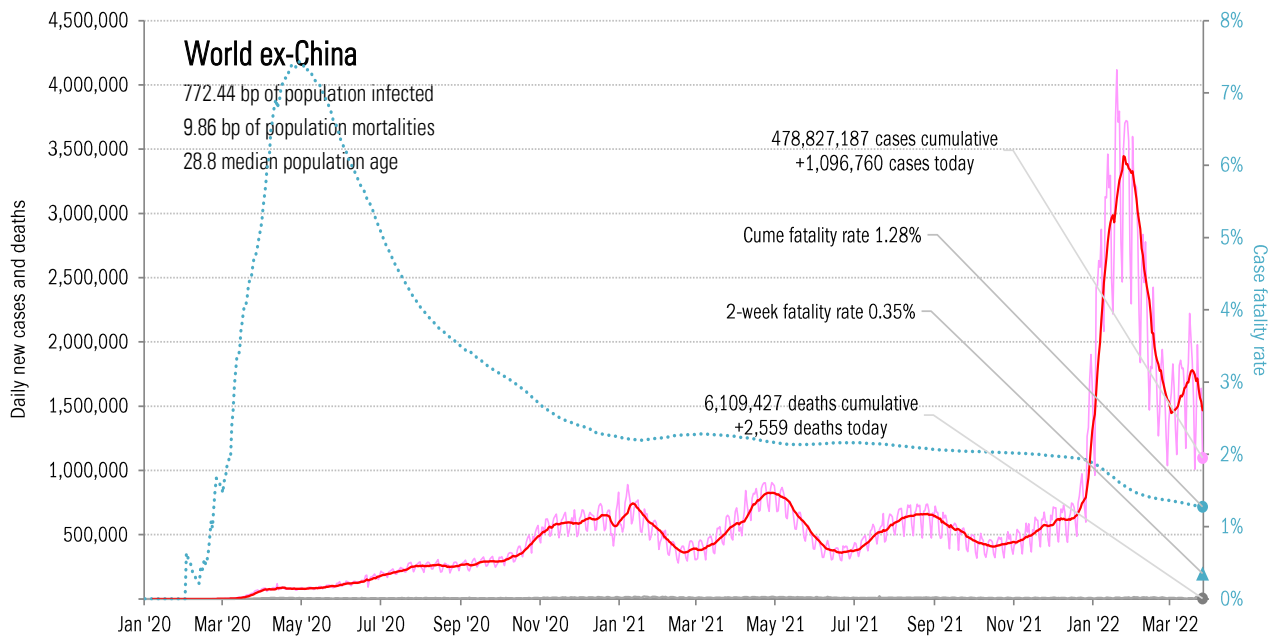
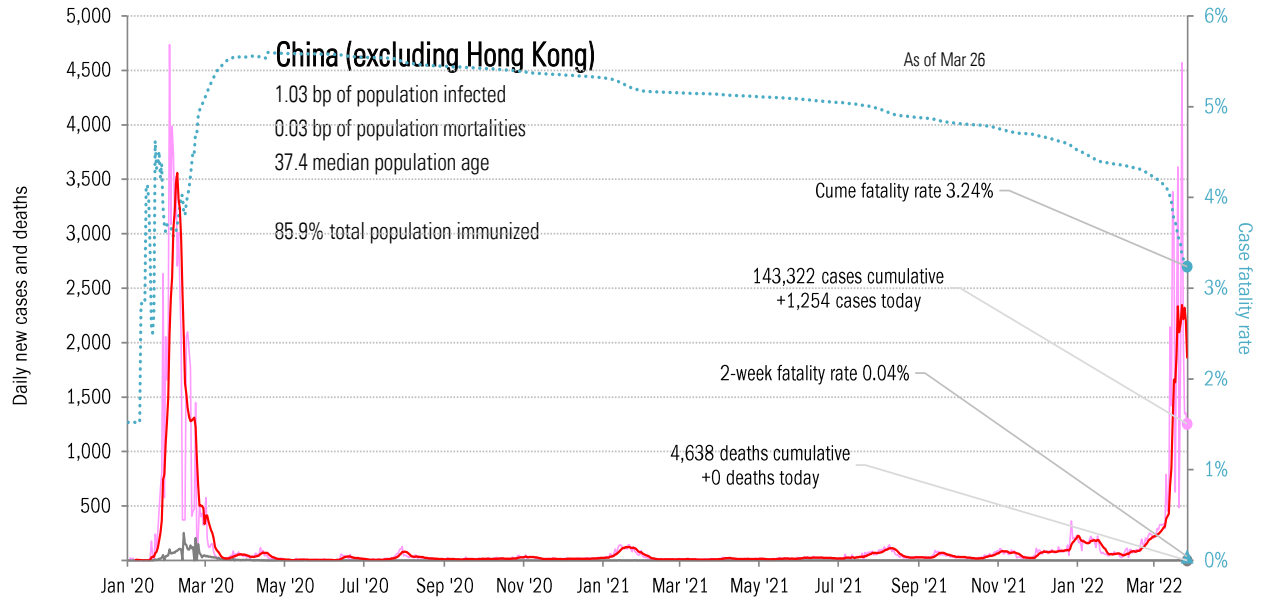
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

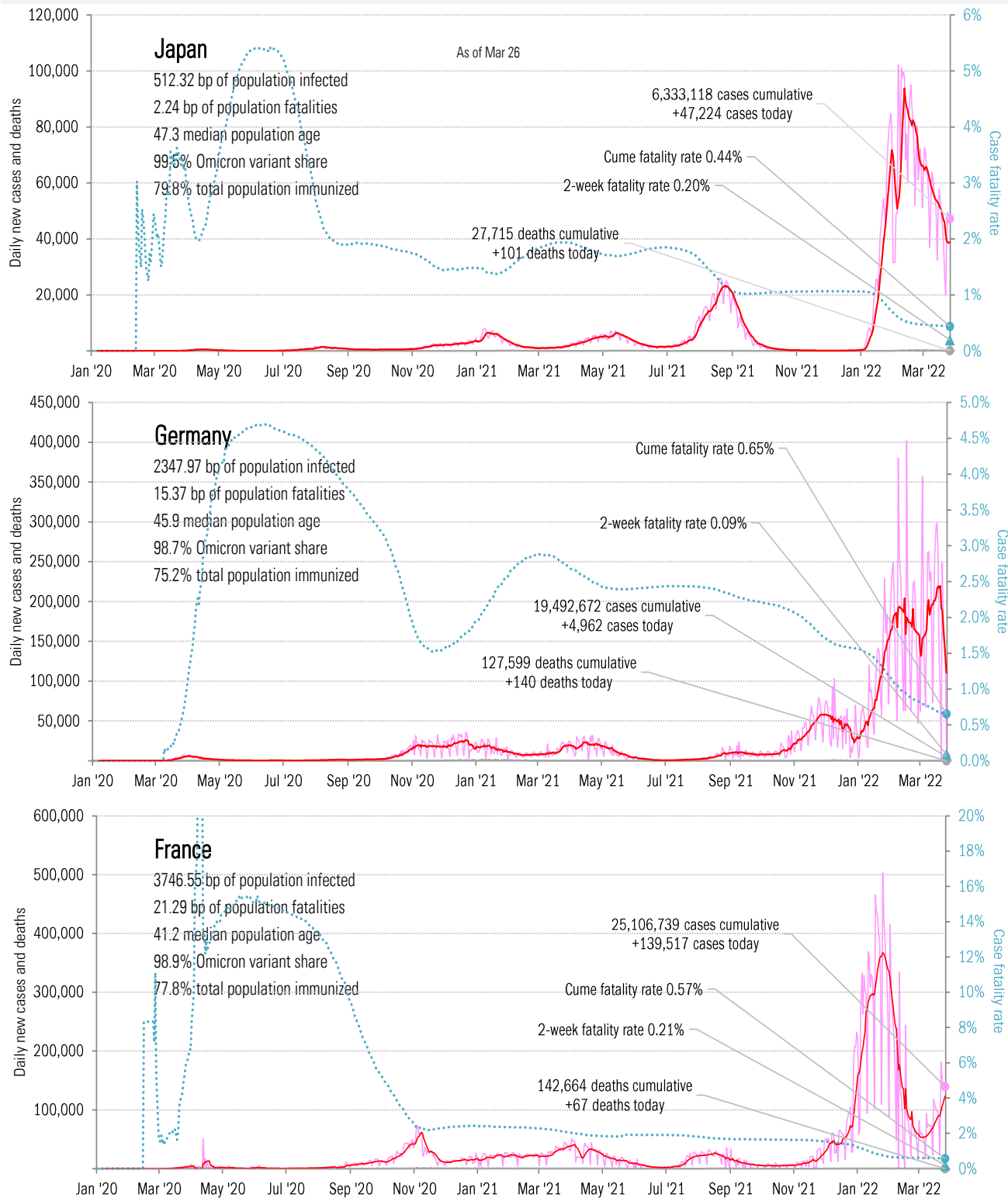
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

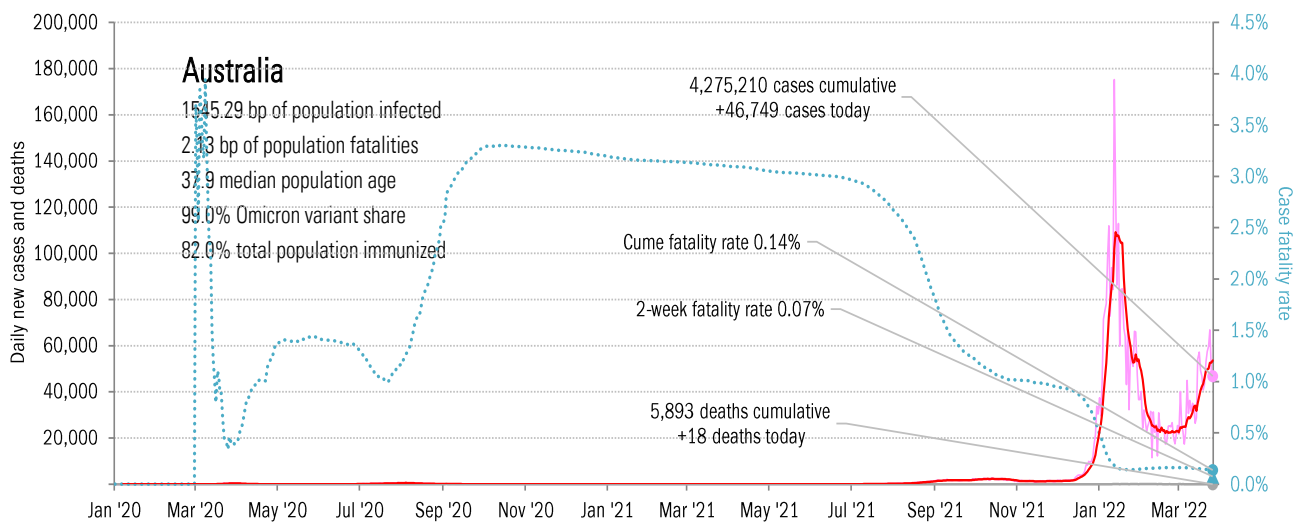
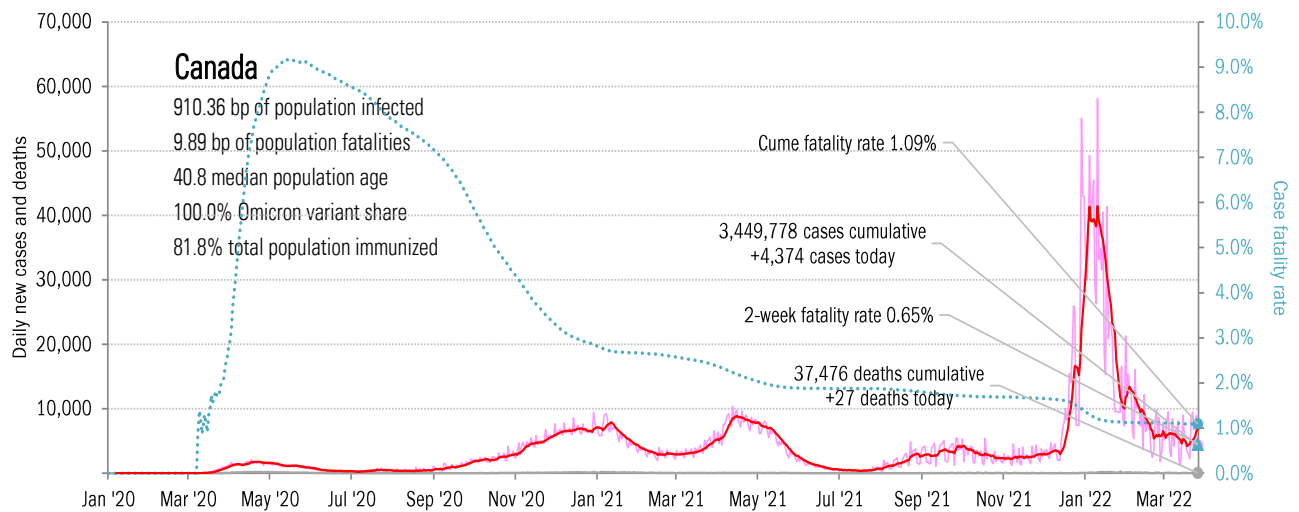
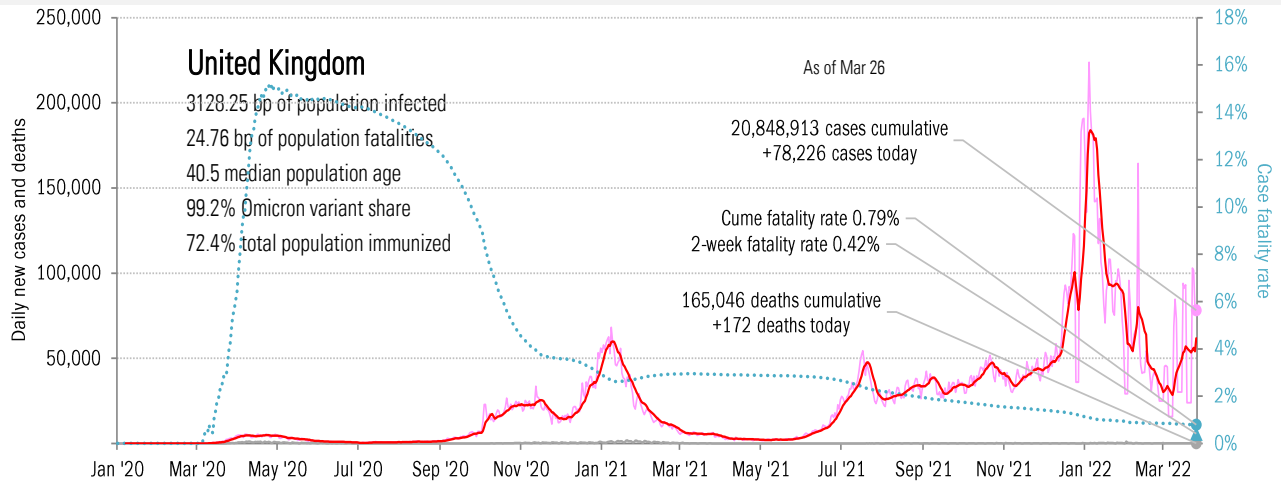
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

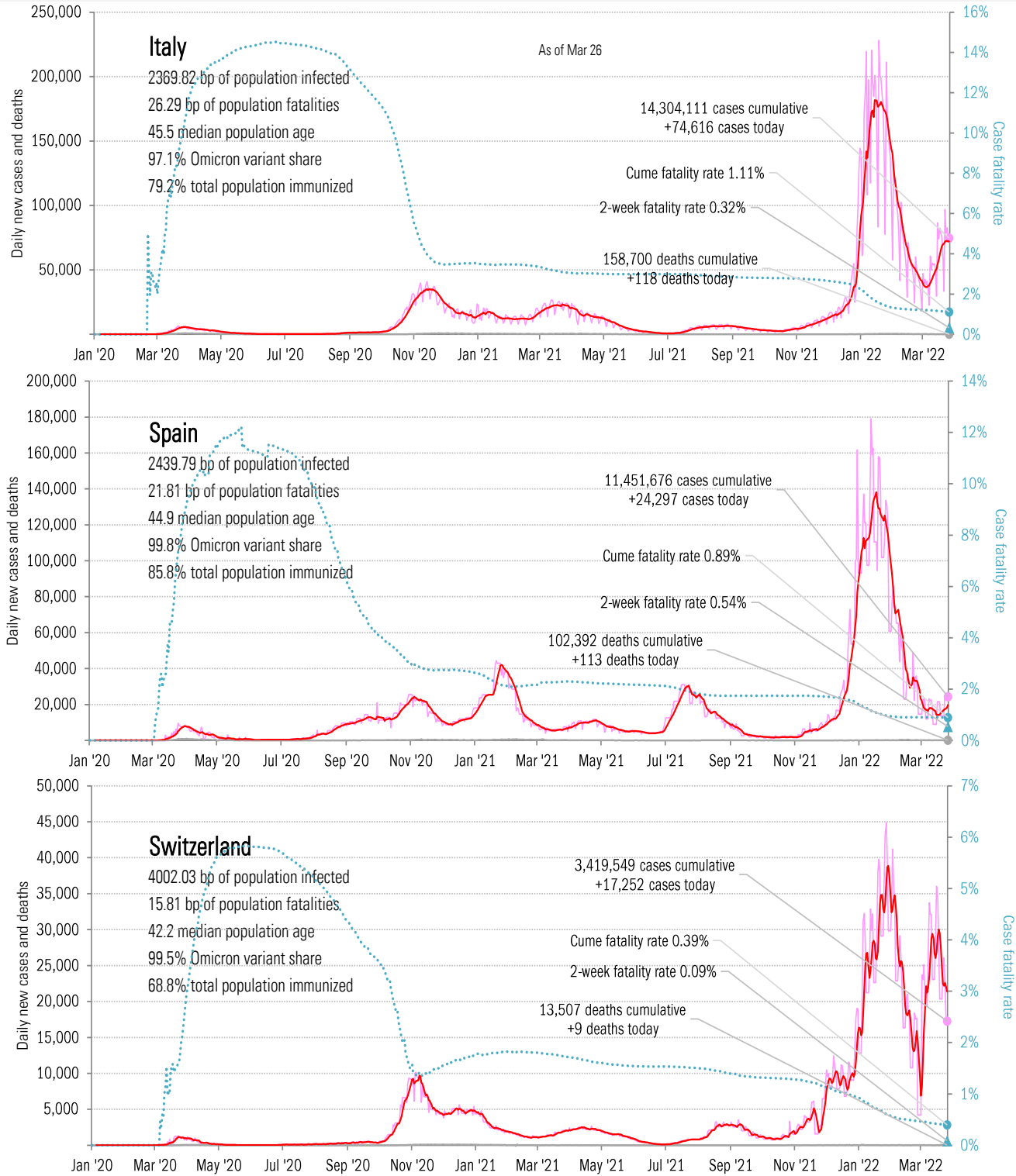


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

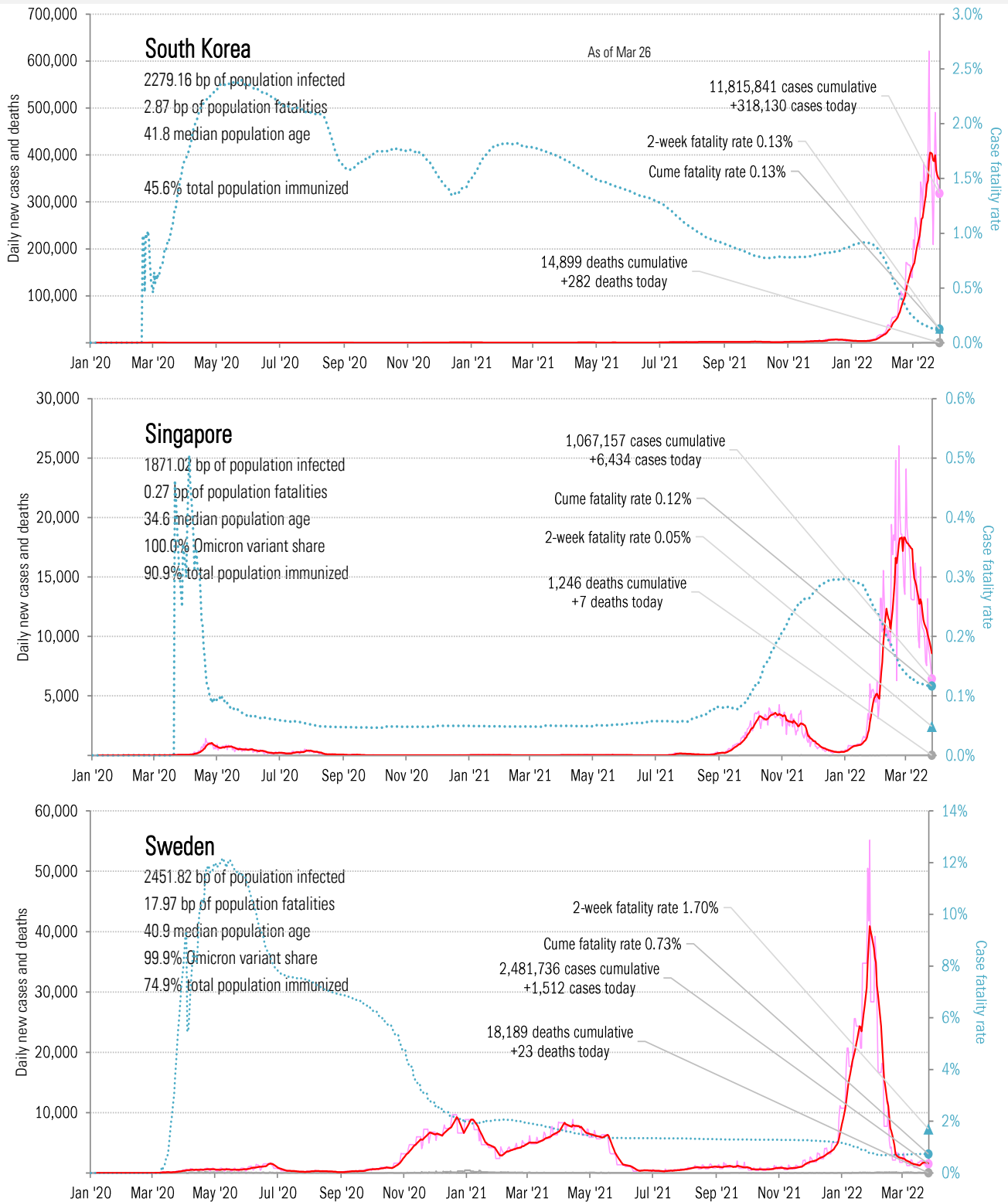
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

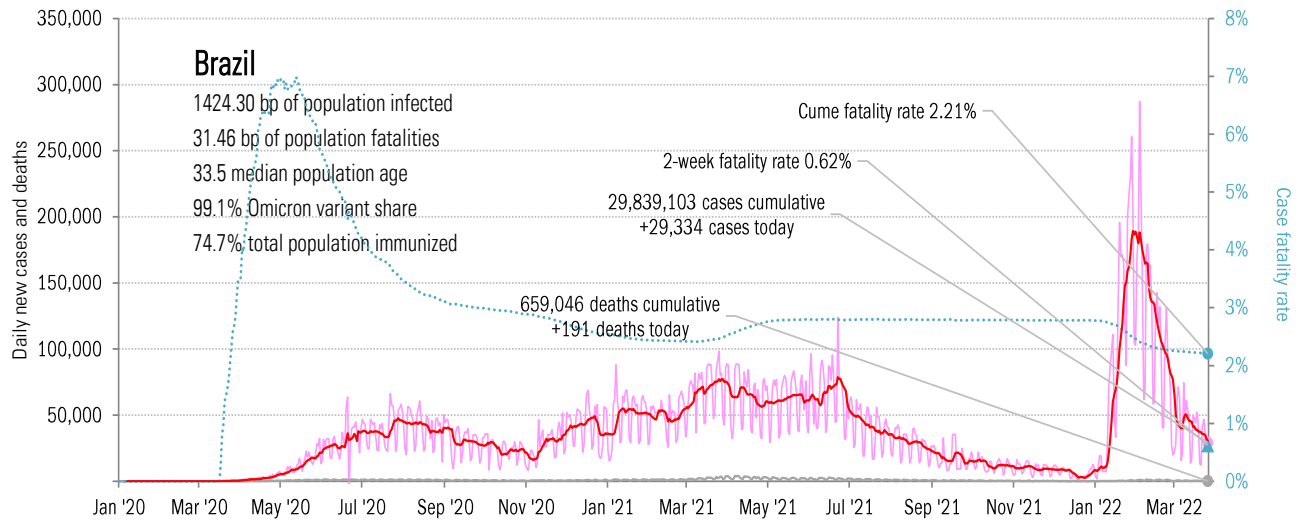
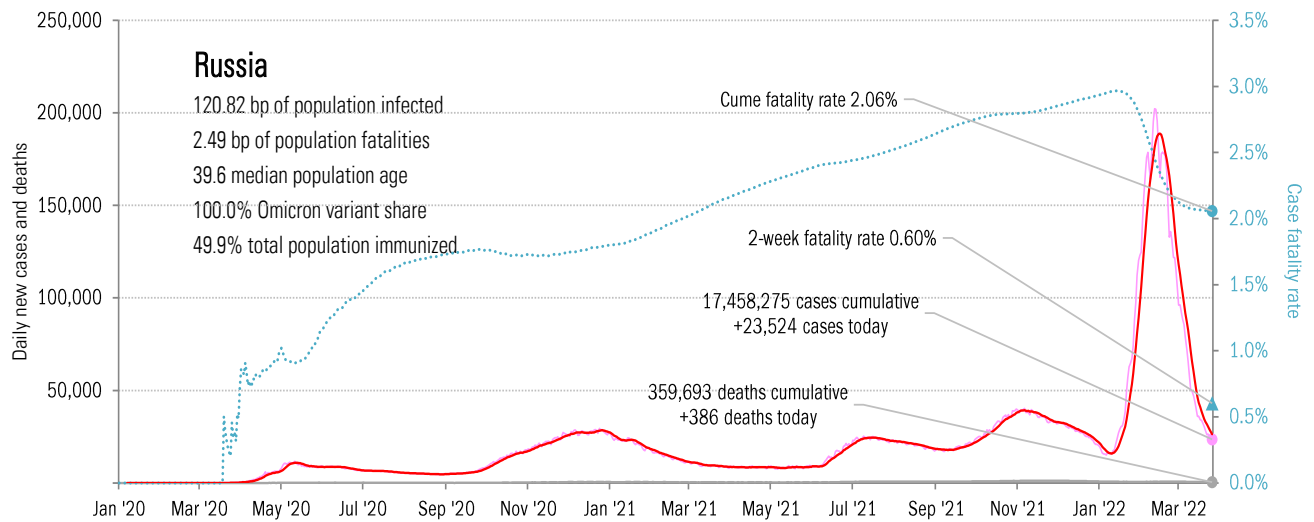
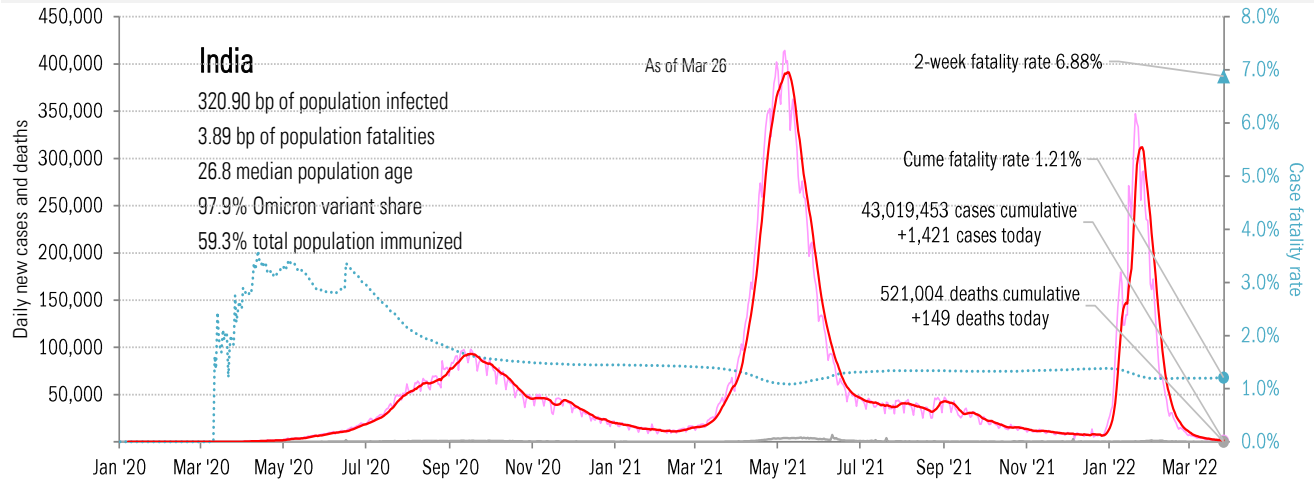
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

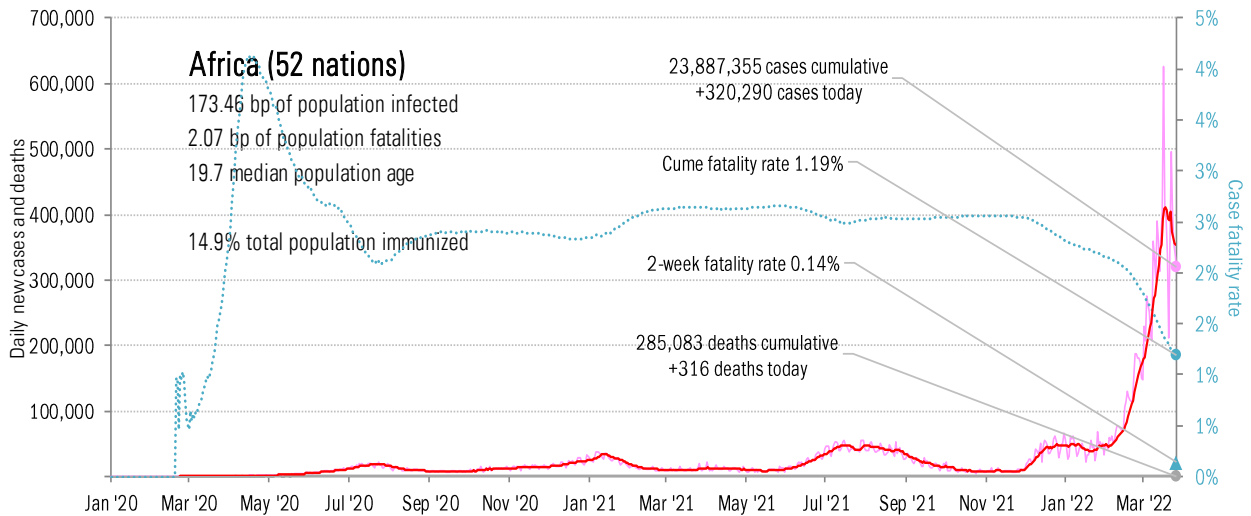
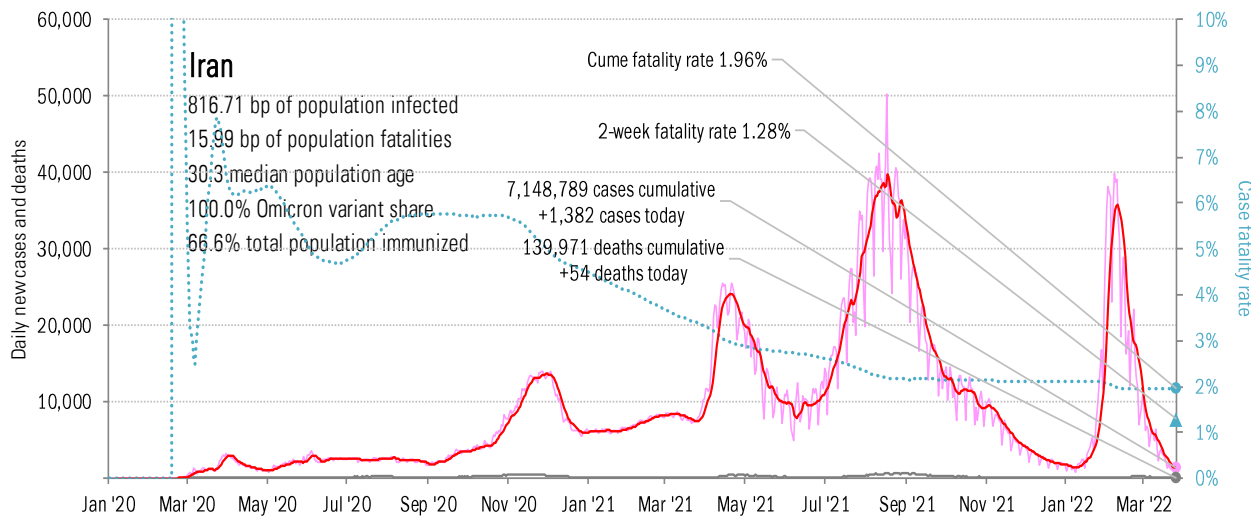
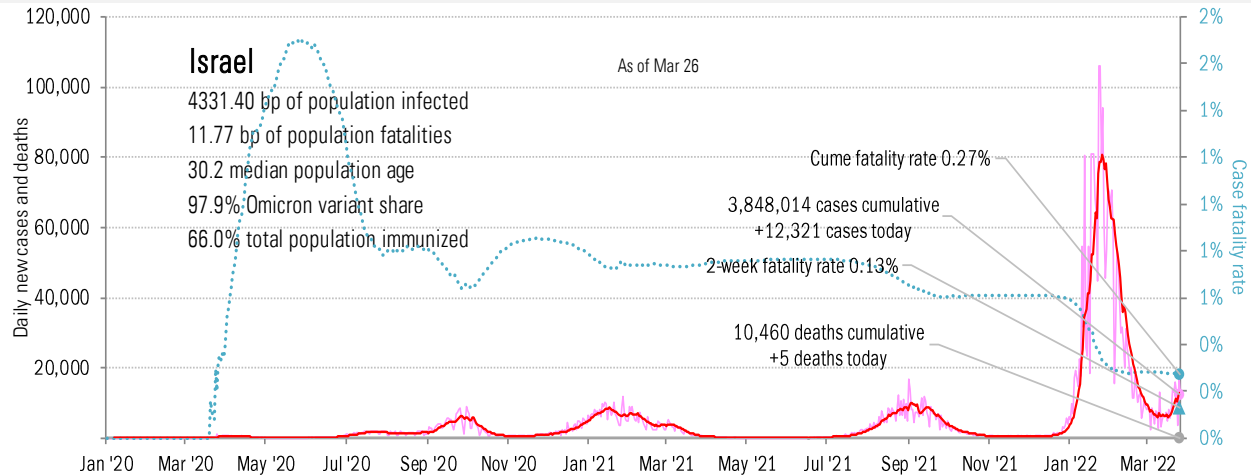
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

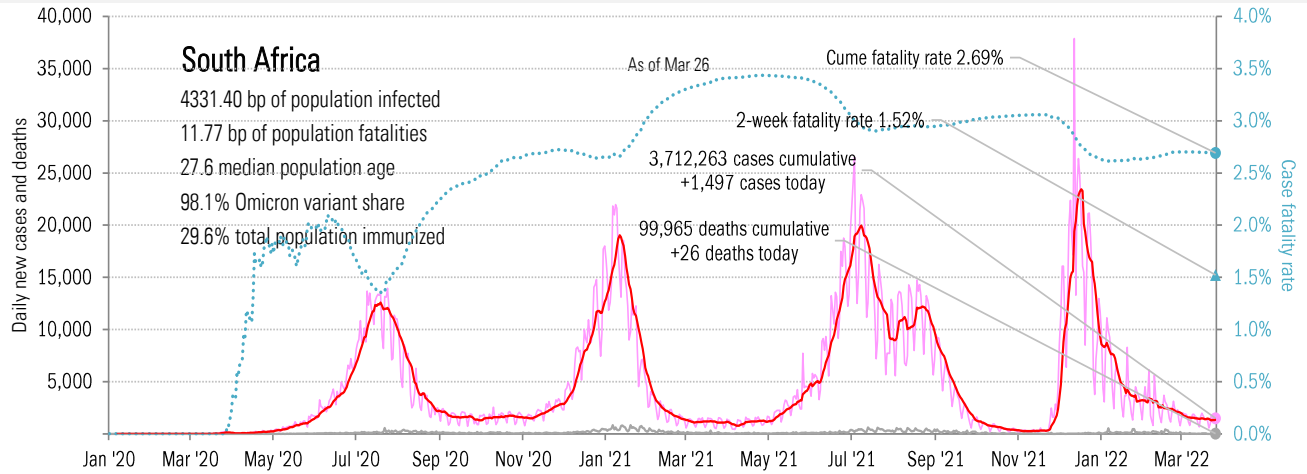
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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