

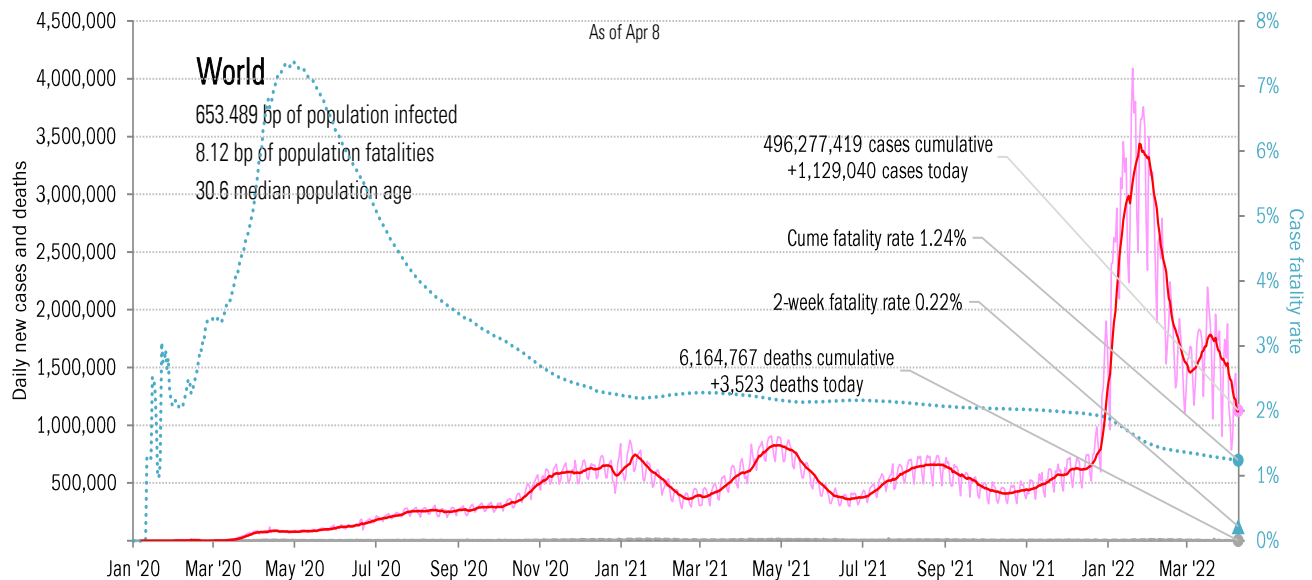
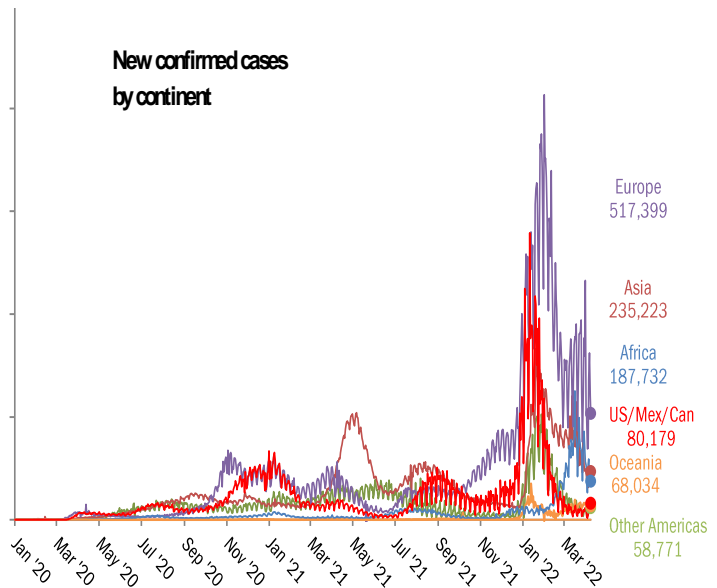
## Data Insights: Covid-2019 Monitor

Saturday, April 9, 2022

### The global scorecard

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

The worst ten countries			
New cases		New Deaths	
Korea, South	185,495	United States	495
Germany	150,675	United Kingdom	347
France	149,007	Korea, South	338
United States	75,854	Germany	309
Italy	67,641	Russia	276
Vietnam	65,097	Thailand	187
Japan	51,844	Brazil	149
Thailand	50,438	Italy	144
Australia	49,317	France	139
United Kingdom	41,984	Mexico	87
<b>887,352</b>		<b>2,471</b>	
World	1,129,040	World	3,523
Top ten	79%	Top ten	70%



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

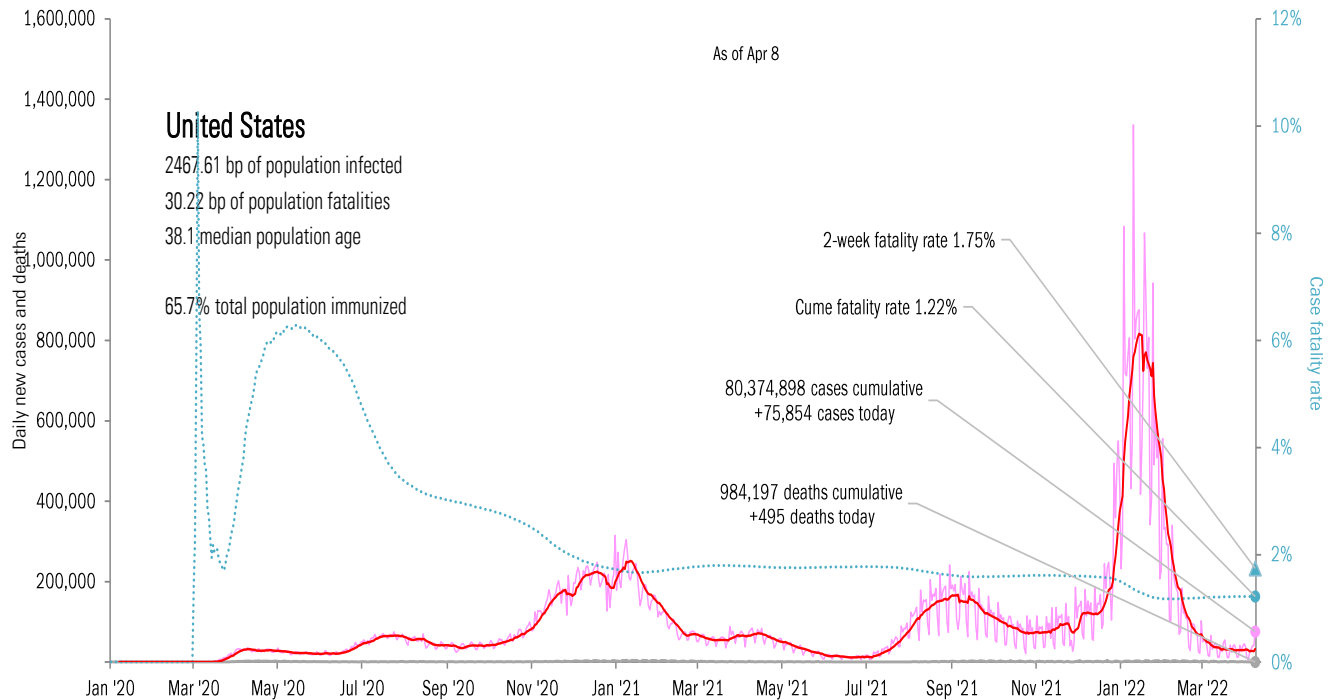
## The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
TX	32,788		CA	111		AR	35		CA	9,132,927		CA	89,358		TX	487,895		RI	90%	TX	88%
CA	11,564		KS	105		AZ	79		TX	6,781,253		TX	87,665		CA	423,651		MA	86%	RI	86%
NY	5,786		TX	71		NY	169		FL	5,894,615		FL	73,591		FL	414,015		MN	84%	KY	85%
FL	3,050		GA	62		CA	146		NY	5,028,707		NY	68,041		NY	245,978		MO	83%	DC	84%
WA	2,661		FL	37		MI	59		IL	3,080,436		PA	44,404		GA	206,822		PA	82%	DE	82%
IL	2,312		VA	36		WI	26		PA	2,787,687		CH	38,166		CH	190,341		MD	82%	NH	81%
CO	2,241		IN	24		MA	42		CH	2,676,629		GA	37,332		PA	175,816		DC	82%	NC	80%
NJ	2,018		WA	22		MD	31		NC	2,634,007		IL	35,898		IL	156,872		DE	81%	AL	80%
MA	1,764		OR	15		NH	9		GA	2,503,082		MI	35,776		MI	140,975		WA	81%	NM	80%
WI	1,516		PA	13		NJ	61		MI	2,393,265		NJ	33,294		KY	132,751		NH	81%	AK	80%
65,700			496			657			42,912,608			543,525			2,575,116						
All states	75,490		495			1,458			All states	80,374,898		984,197			4,676,005			All states	70%	67%	
Top ten	87%		100%			45%			Top ten	53%		55%			55%			Median	76%	74%	

Some states not reporting

## Five most improved US states

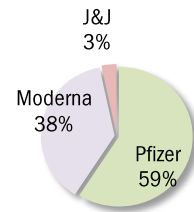
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
AZ	-6,840	CH	-124	VA	-21	AL	+10 bp
CH	-3,828	CK	-120	IA	-20	AR	+10 bp
FL	-3,512	FL	-62	IL	-15	AZ	+10 bp
DE	-1,455	OR	-42	LA	-11	CO	+10 bp
UT	-699	UT	-16	FL	-10	LA	+10 bp



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	579,660,155		+0.291 million	US	65.7%	77.1%
Boosters	99,813,208		+0.055 million	UK	72.6%	77.5%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	263,752,018	79%	224,490,044	67%	+0.051 million	France 77.8% 80.1%
Age 12 to 17	17,595,400	70%	15,018,953	59%	+0.003 million	Spain 86.1% 88.0%
Age 18 to 64	177,603,432	87%	150,684,261	74%	+0.029 million	Germany 75.4% 75.9%
Age 65 and over	58,434,069	100%	50,674,480	92%	+0.015 million	Italy 79.3% 84.1%



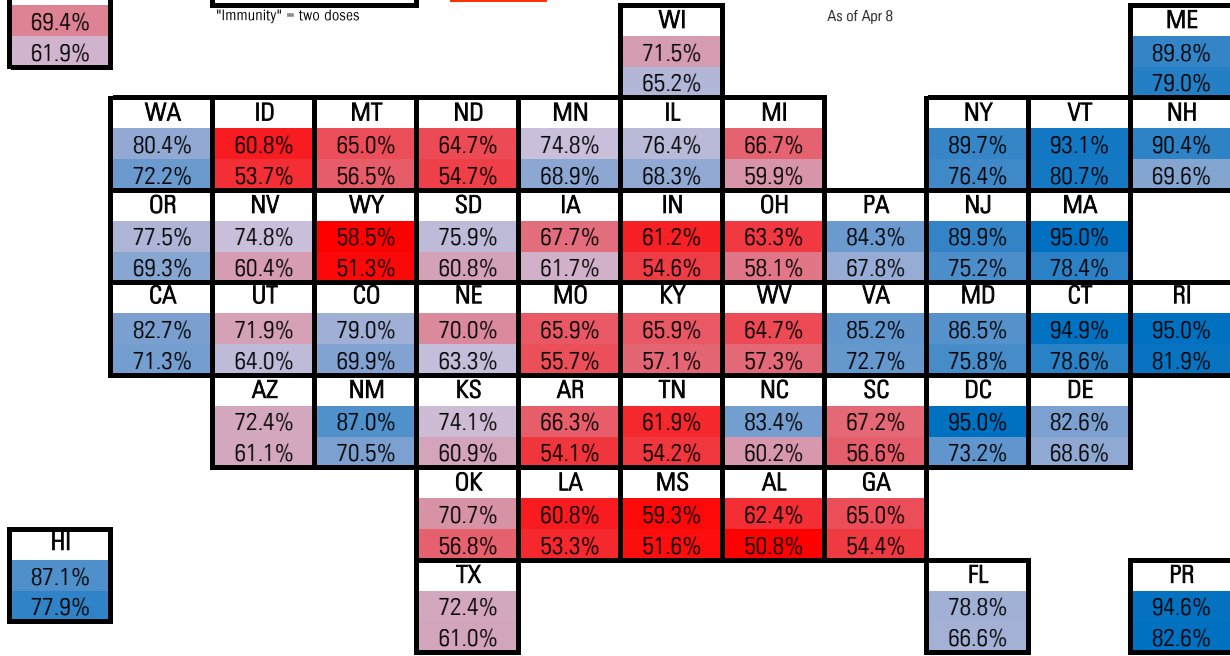
AK	69.4%
	61.9%

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

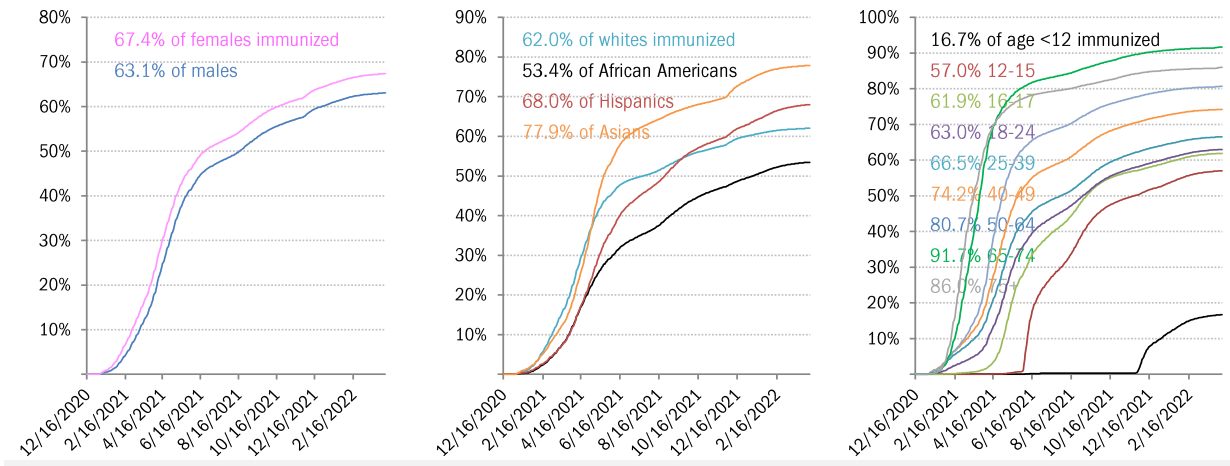
Best
Middle
Worst

Israel	66.0%	72.2%
Canada	82.0%	86.1%
Japan	80.0%	81.5%
Africa	15.4%	20.5%
India	60.0%	71.3%
Brazil	75.5%	84.9%
China	86.1%	88.5%

Global data differs due to sources, timing



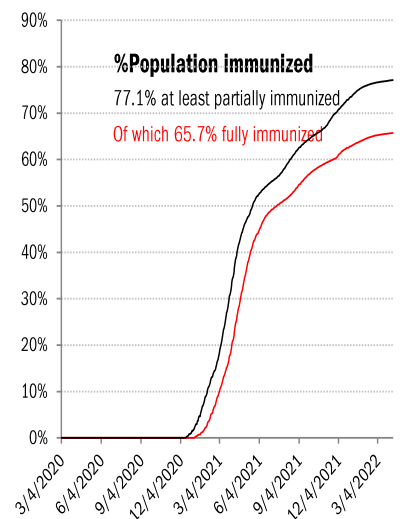
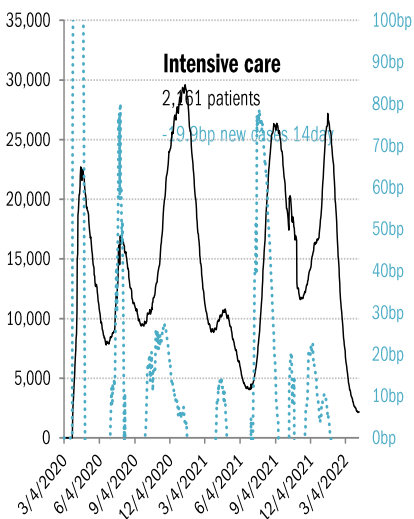
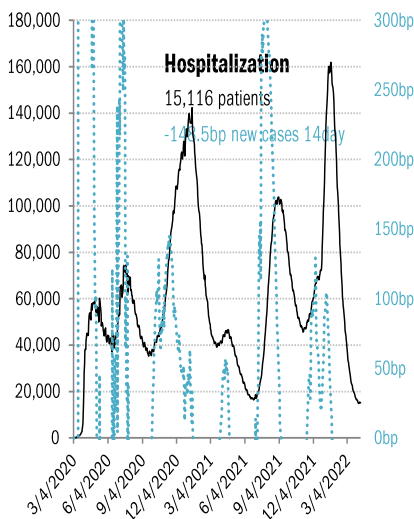
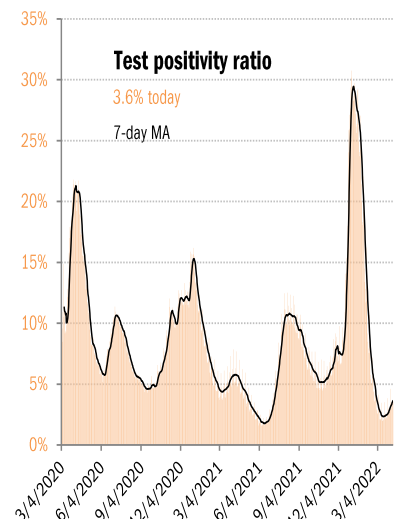
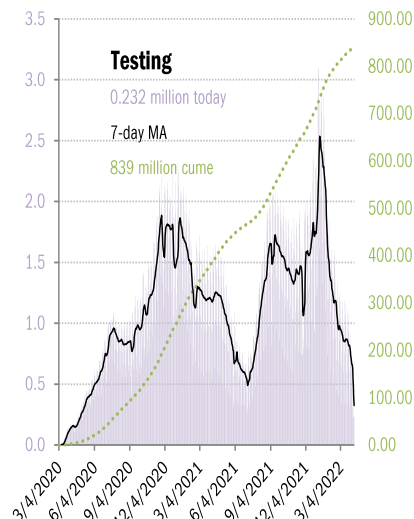
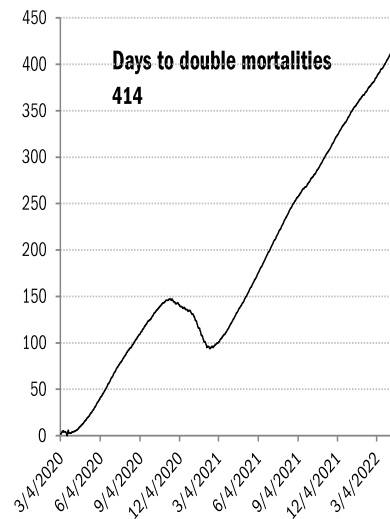
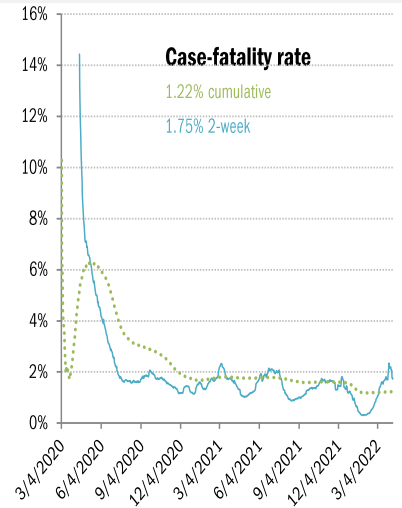
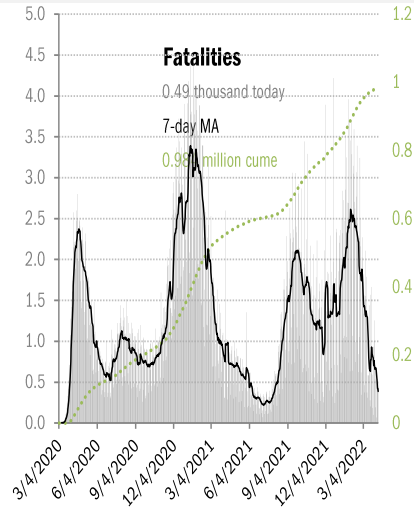
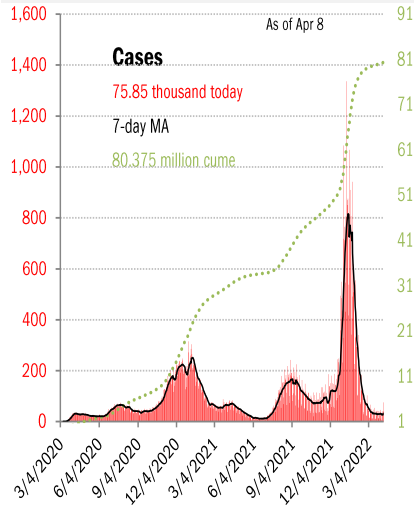
## The demographics of US vaccination



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

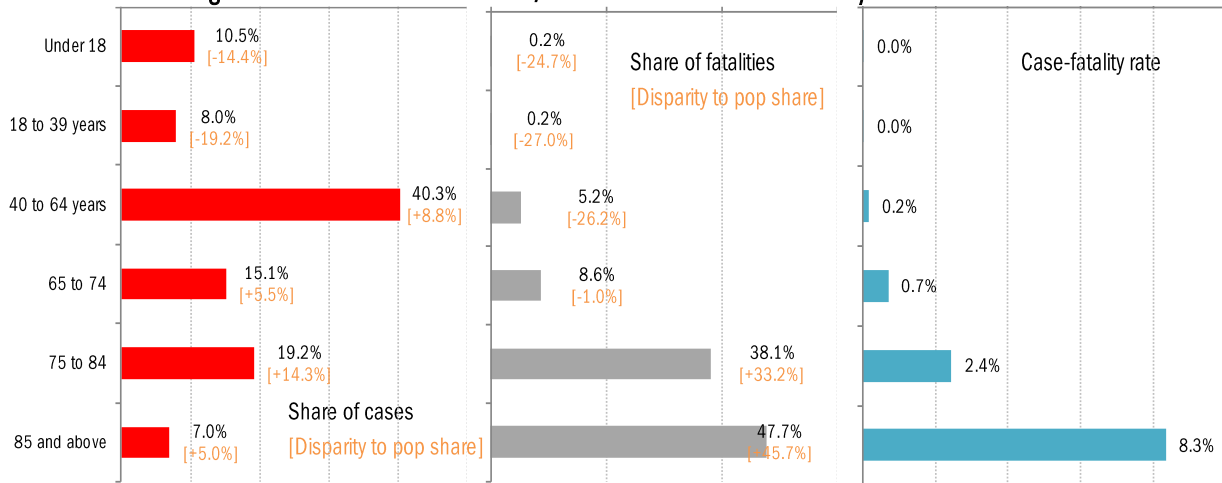
# US deep-dive

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

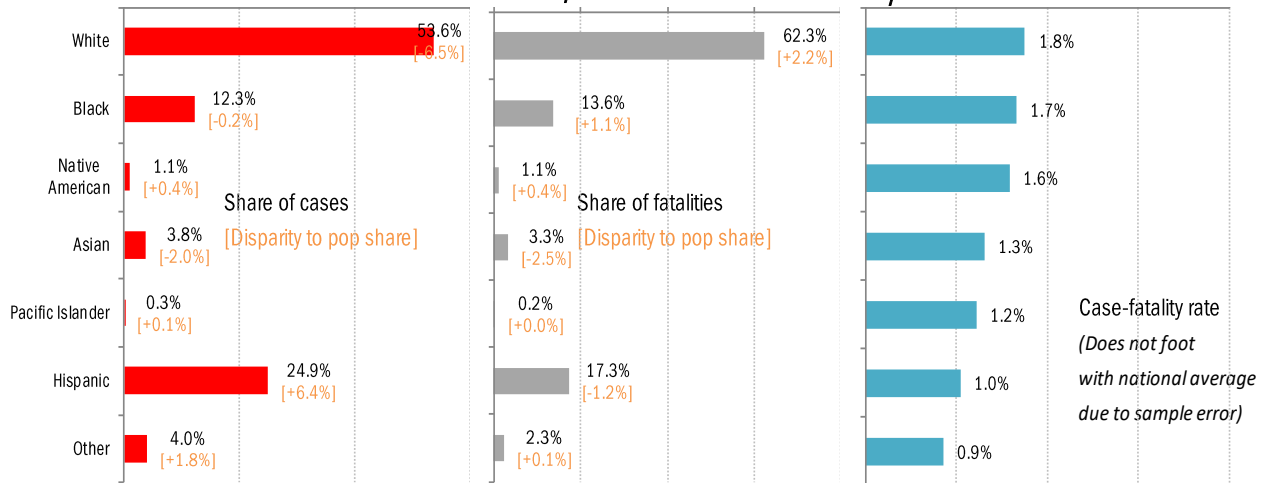


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

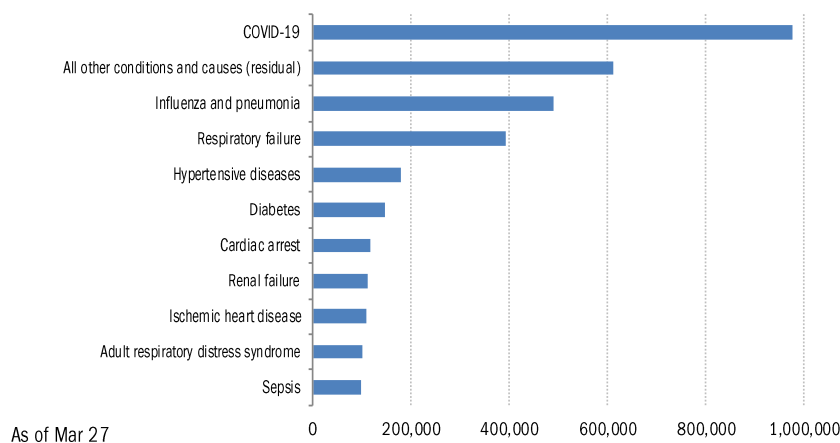


Racial distribution of US cases, fatalities and case-fatality rates



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

[What Fauci sees coming with the BA.2 coronavirus subvariant in the U.S.](#)

Ailsa Change  
*NPR*  
April 8, 2022

[Second COVID booster shot boosts infection protection for just a few weeks: study](#)

Joseph Wilkinson  
*New York Daily News*  
April 6, 2022

[China Turns Covid Victory Into Defeat](#)

Holman W. Jenkins, Jr.  
*Wall Street Journal*  
April 8, 2022

['Psychosis of Flawed Morality': 9-Year Old Ohio Boy Denied Kidney Transplant Because Father Is Unvaccinated](#)

Paula Bolyard  
*PJ Media*  
April 8, 2022

[Protection by a Fourth Dose of BNT162b2 against Omicron in Israel](#)

Yinon M. Bar-On  
*New England Journal of Medicine*  
April 5, 2022

## Meme of the day

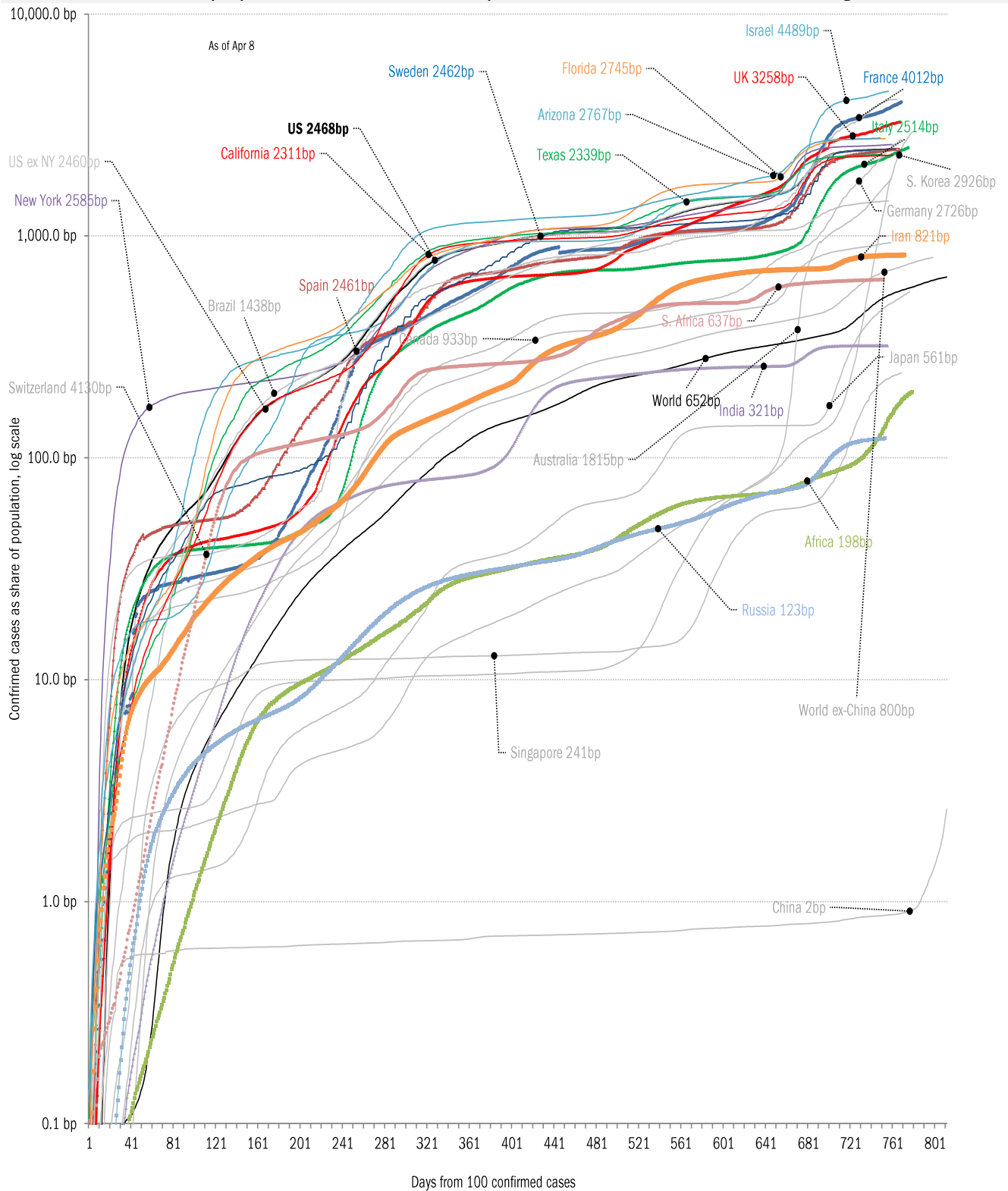


**L.A. Reinstates Mask Mandate To Protect People From Getting Slapped By Will Smith**

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

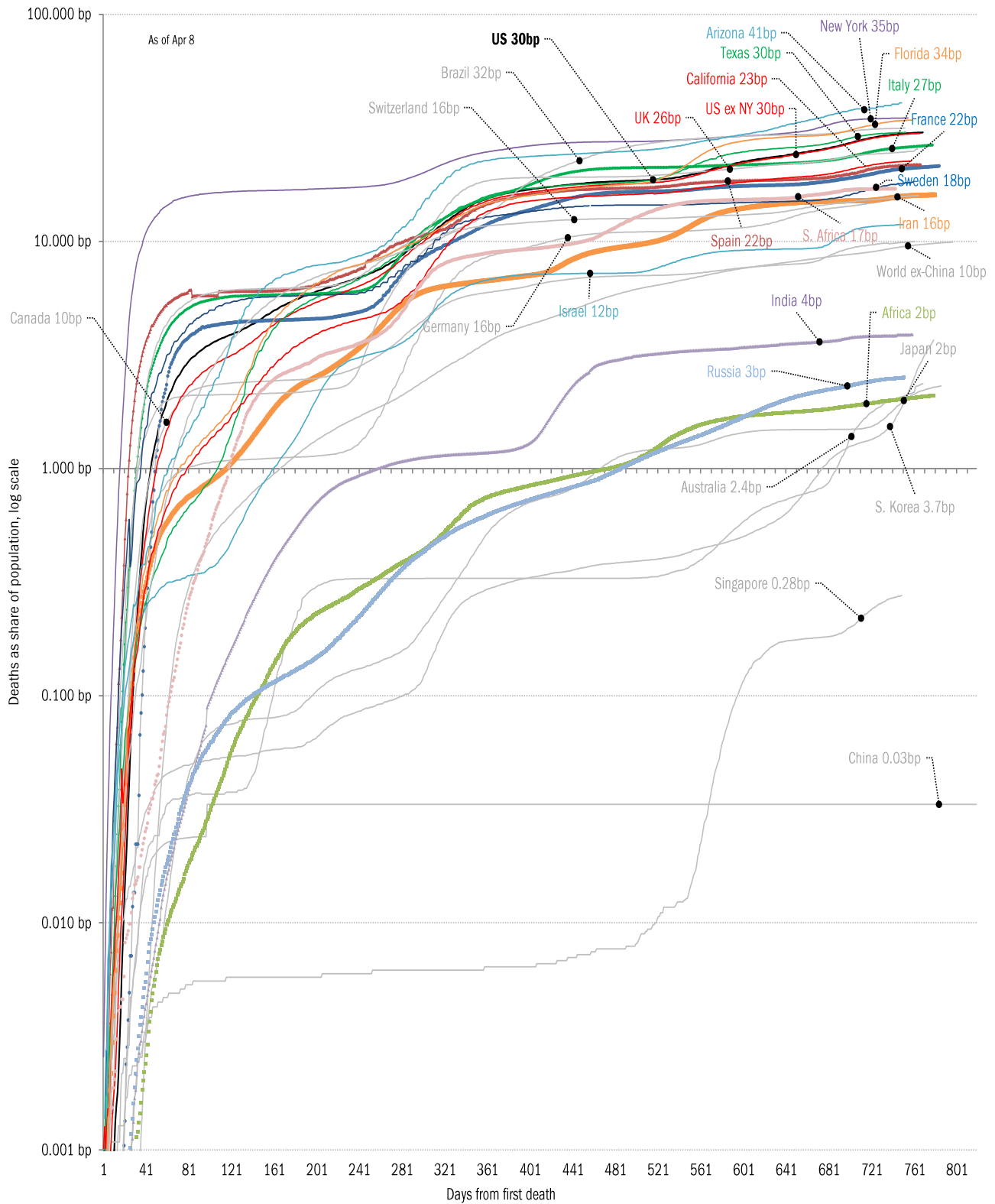


The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*



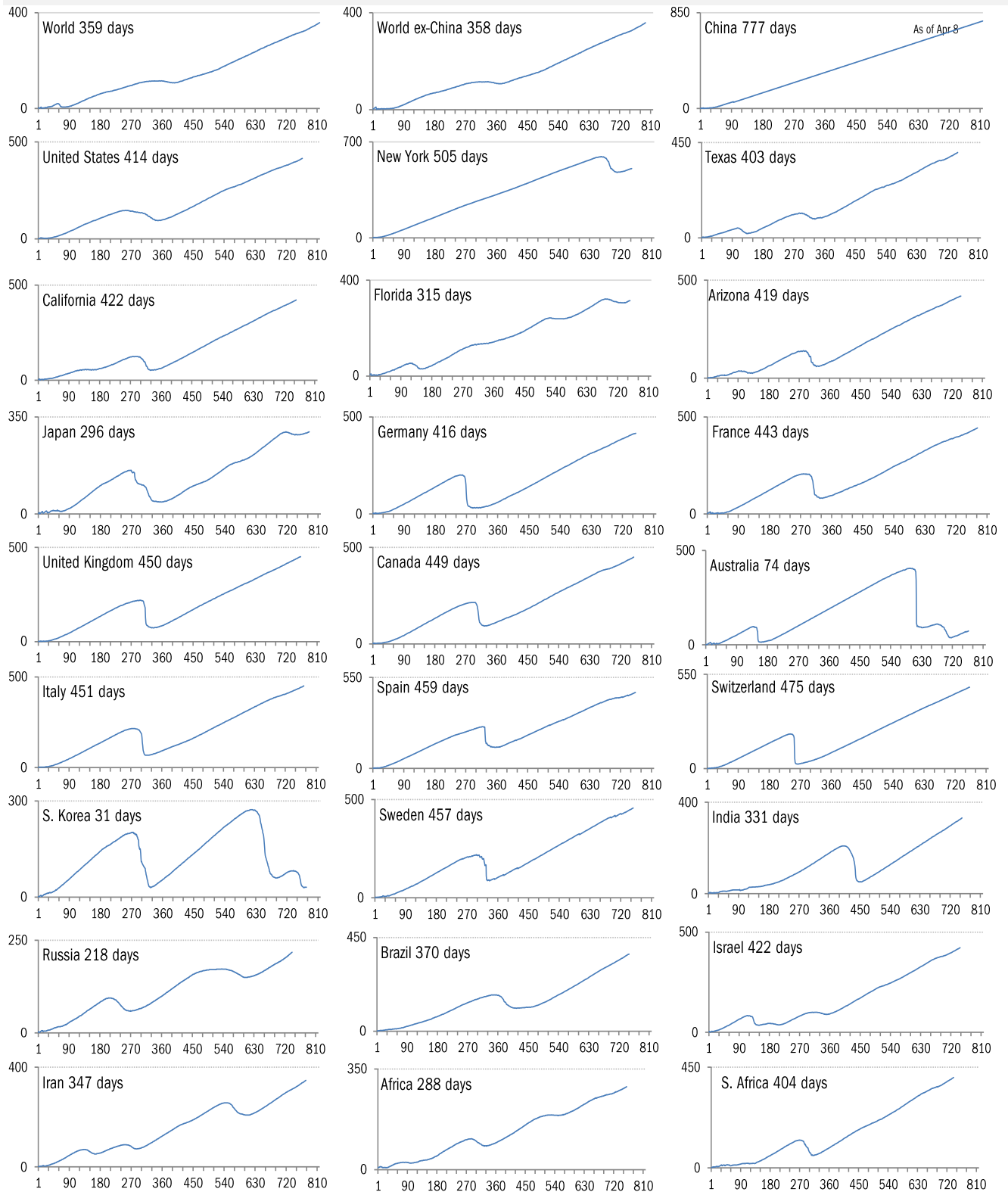
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

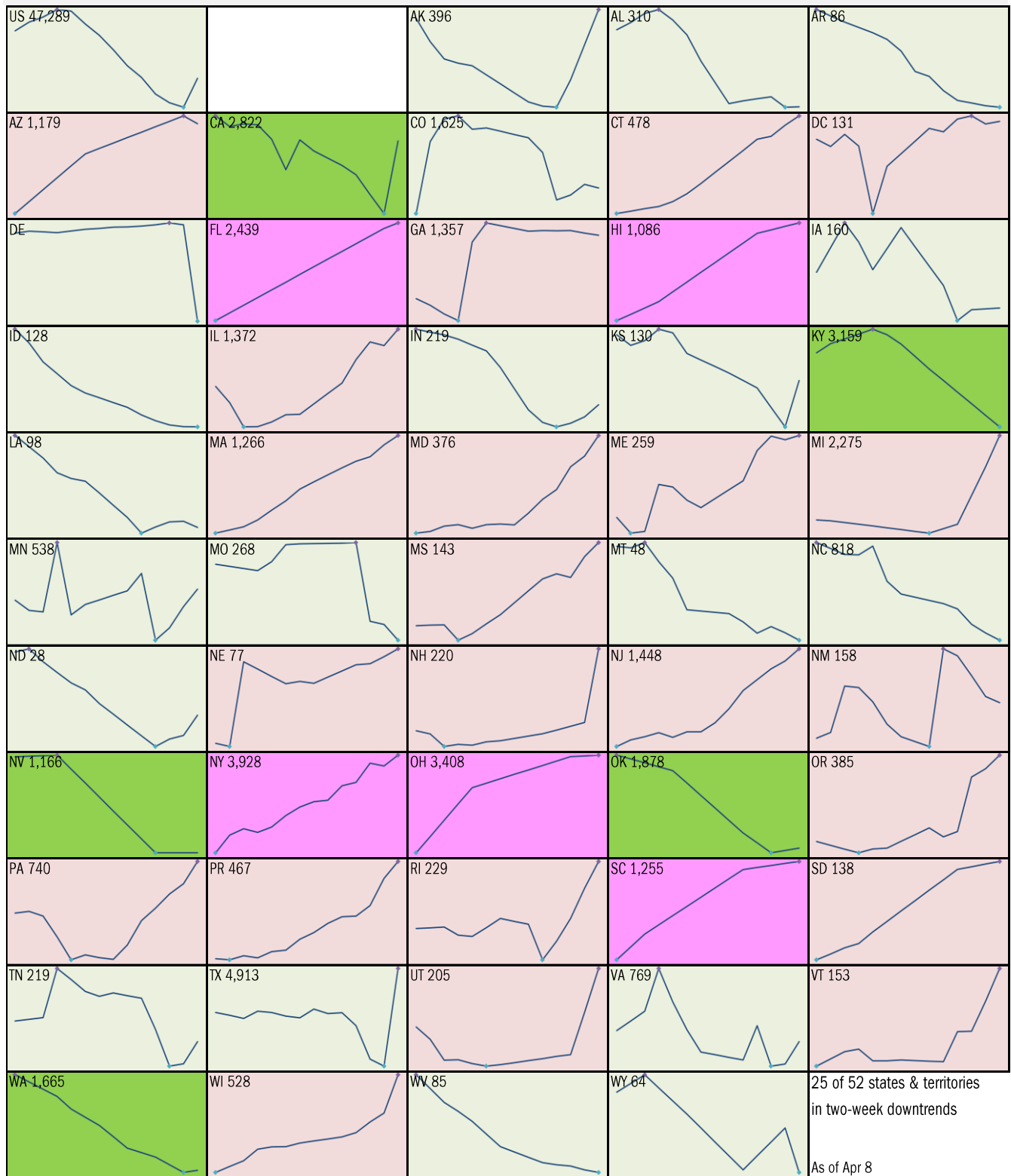


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

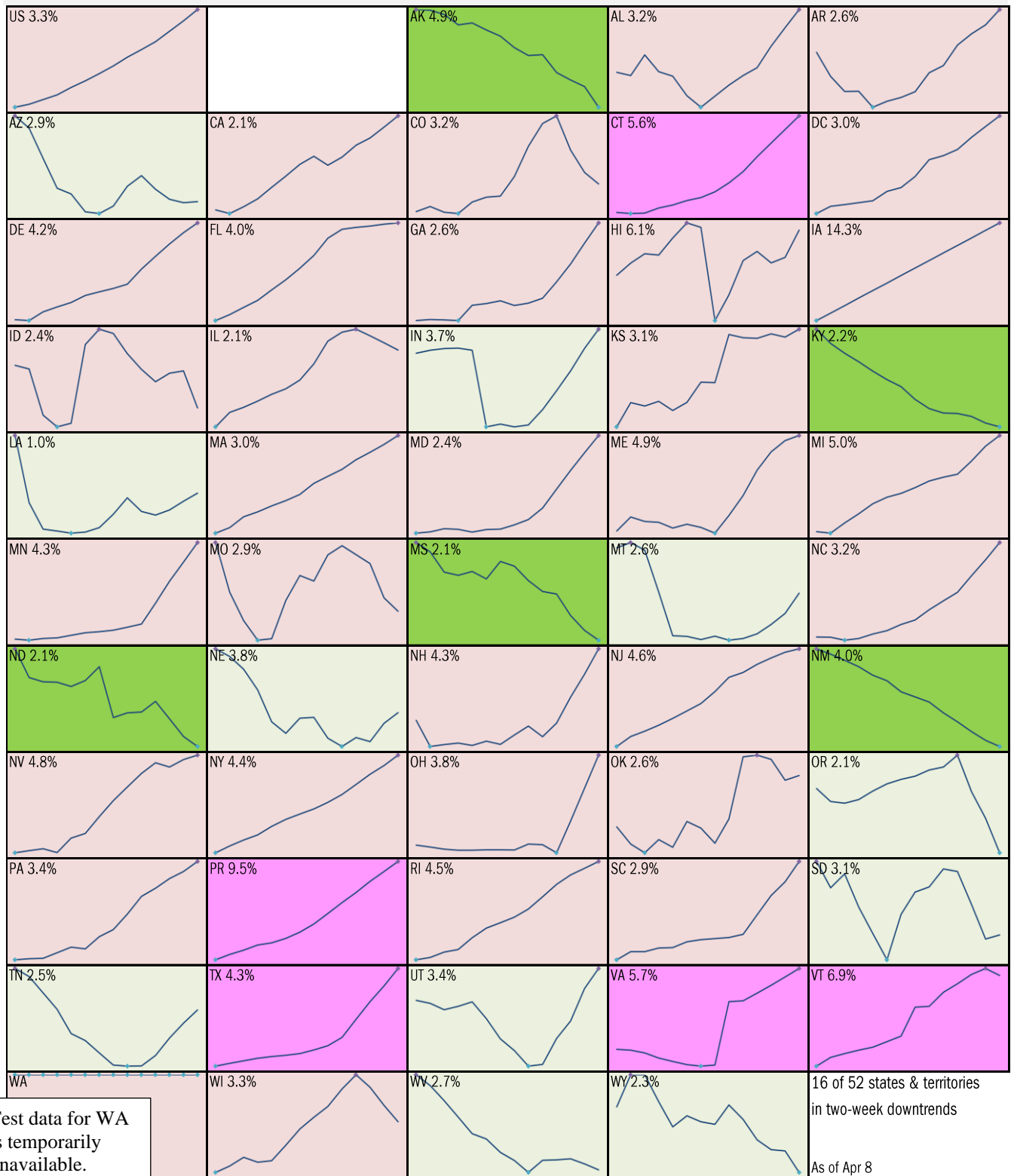


Source: [Johns Hopkins](#), TrendMacro calculations

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

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

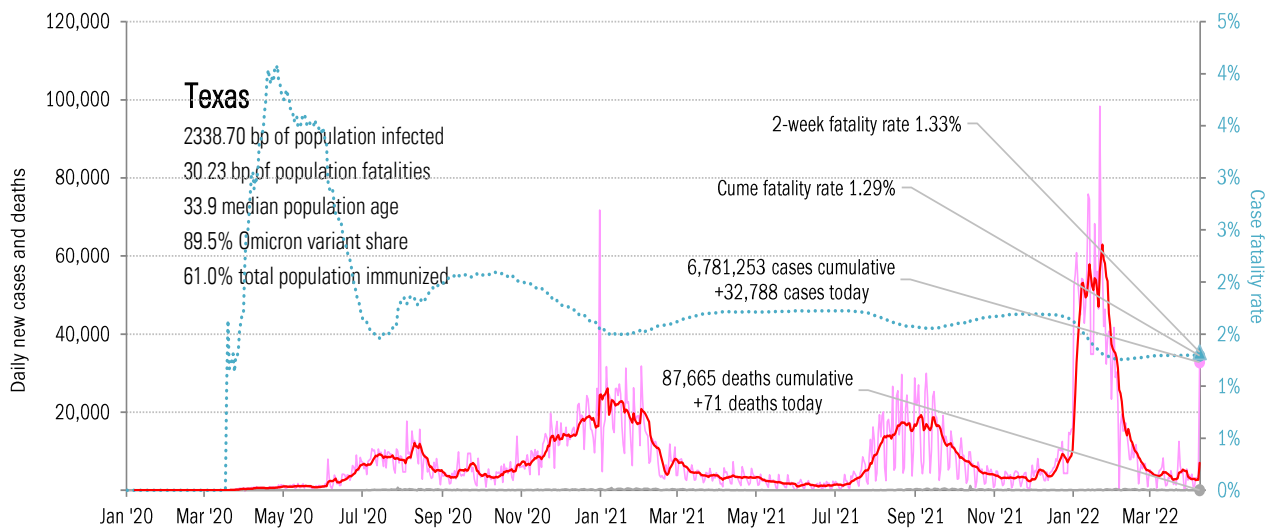
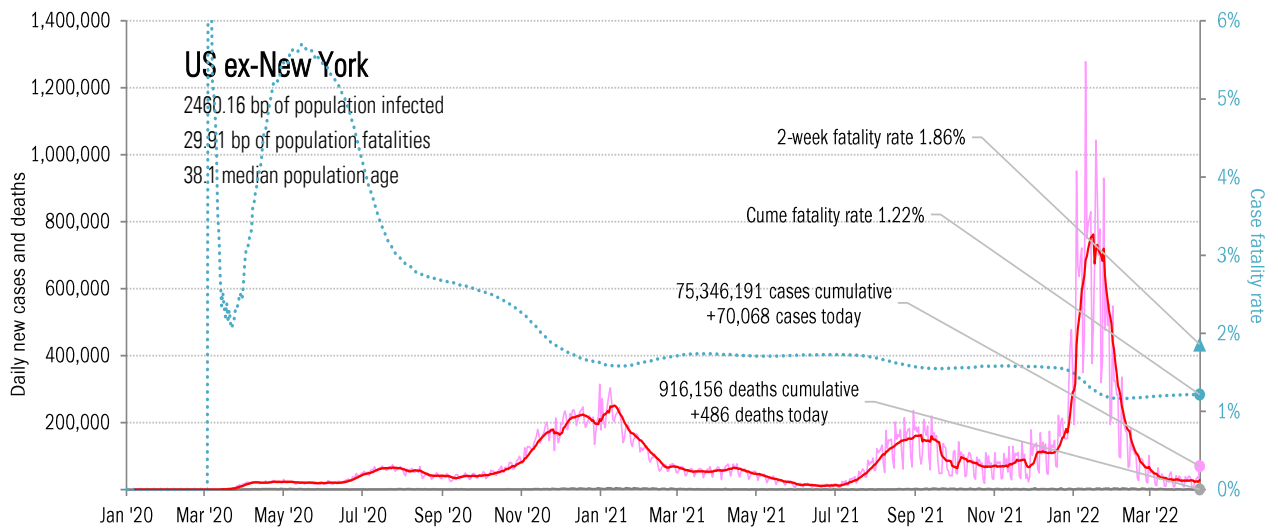
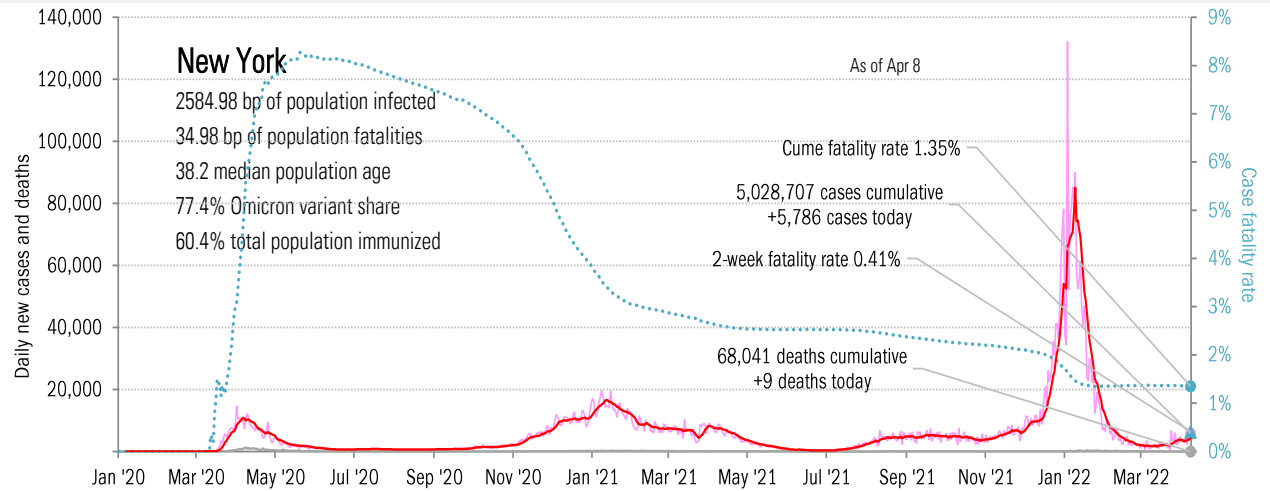
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

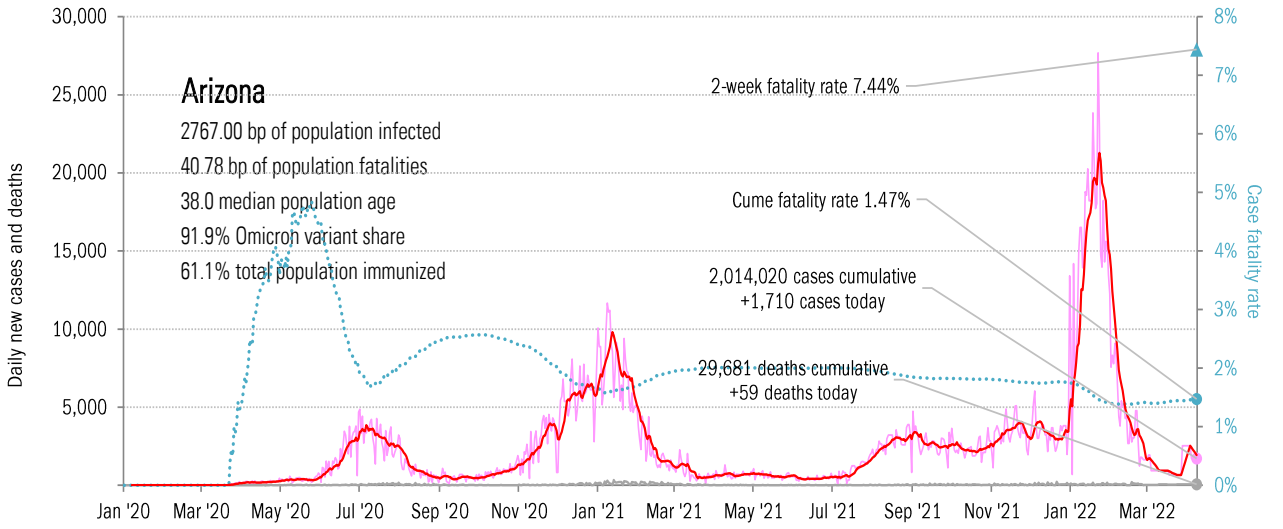
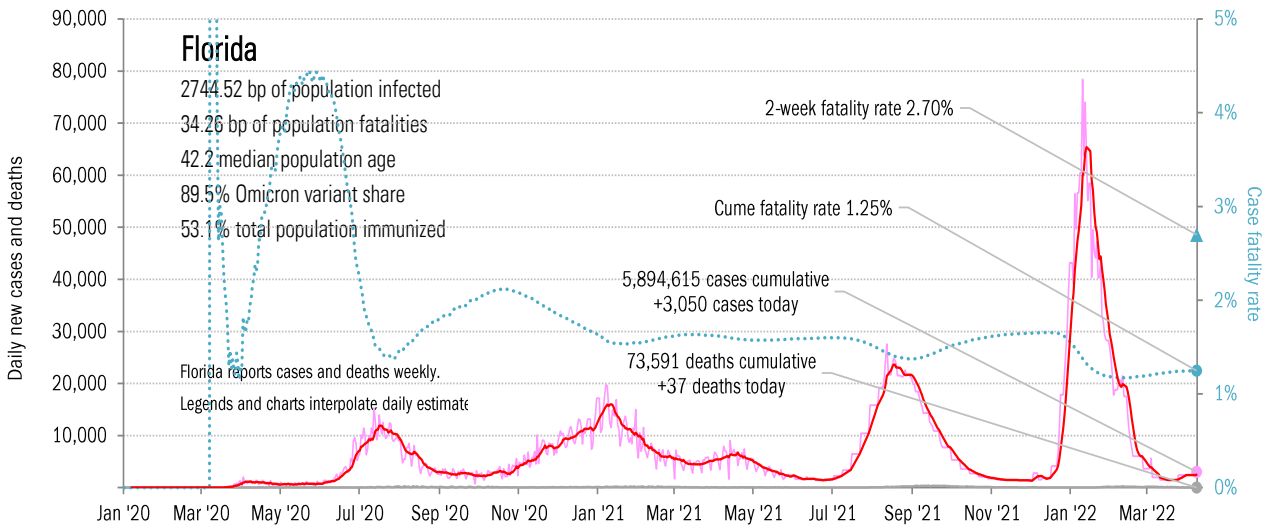
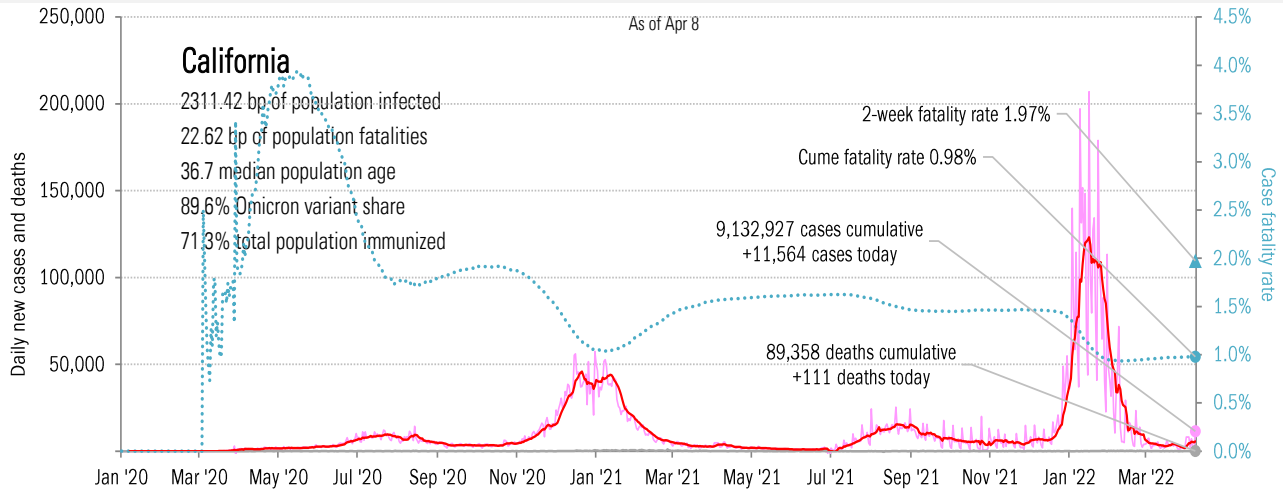
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

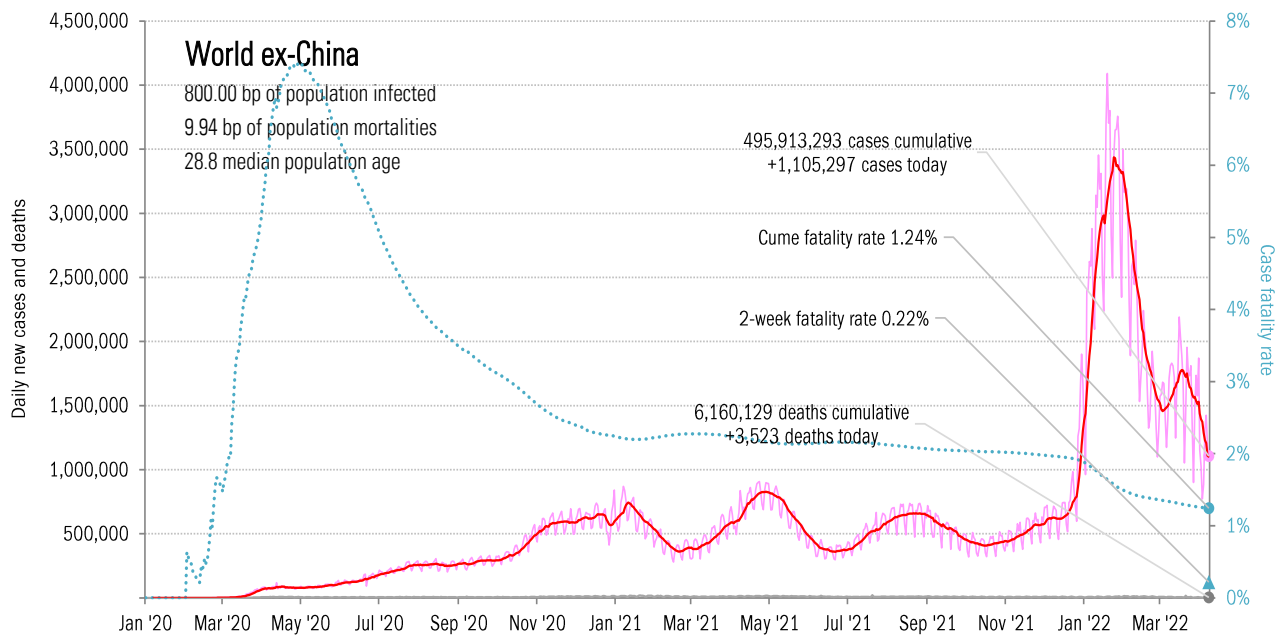
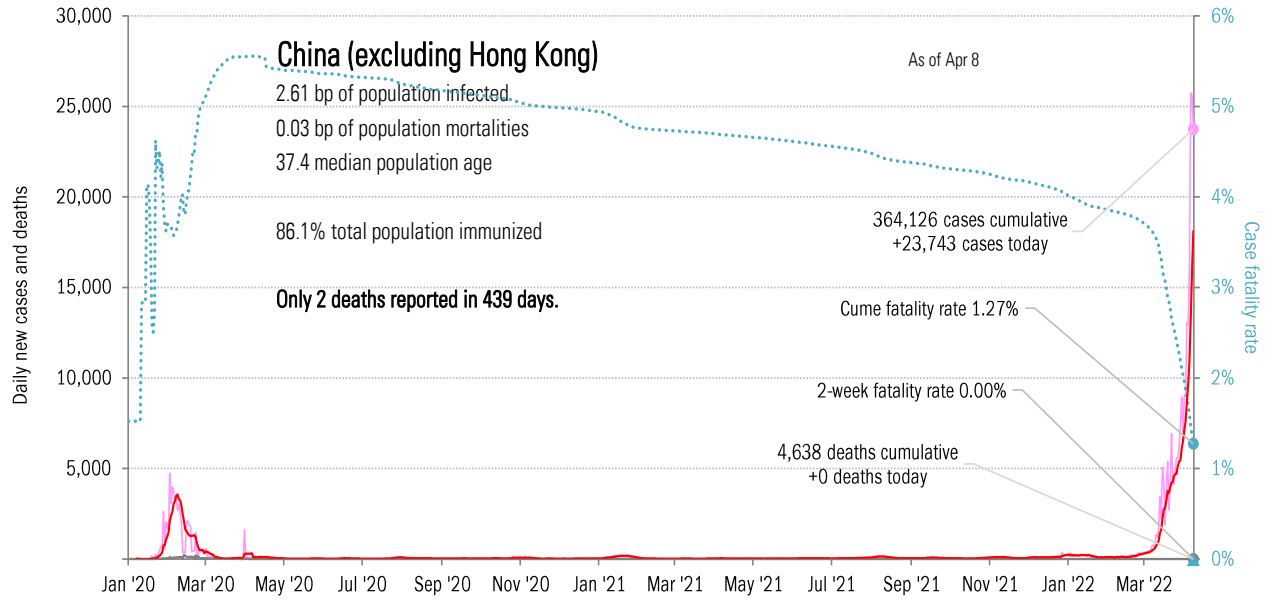
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

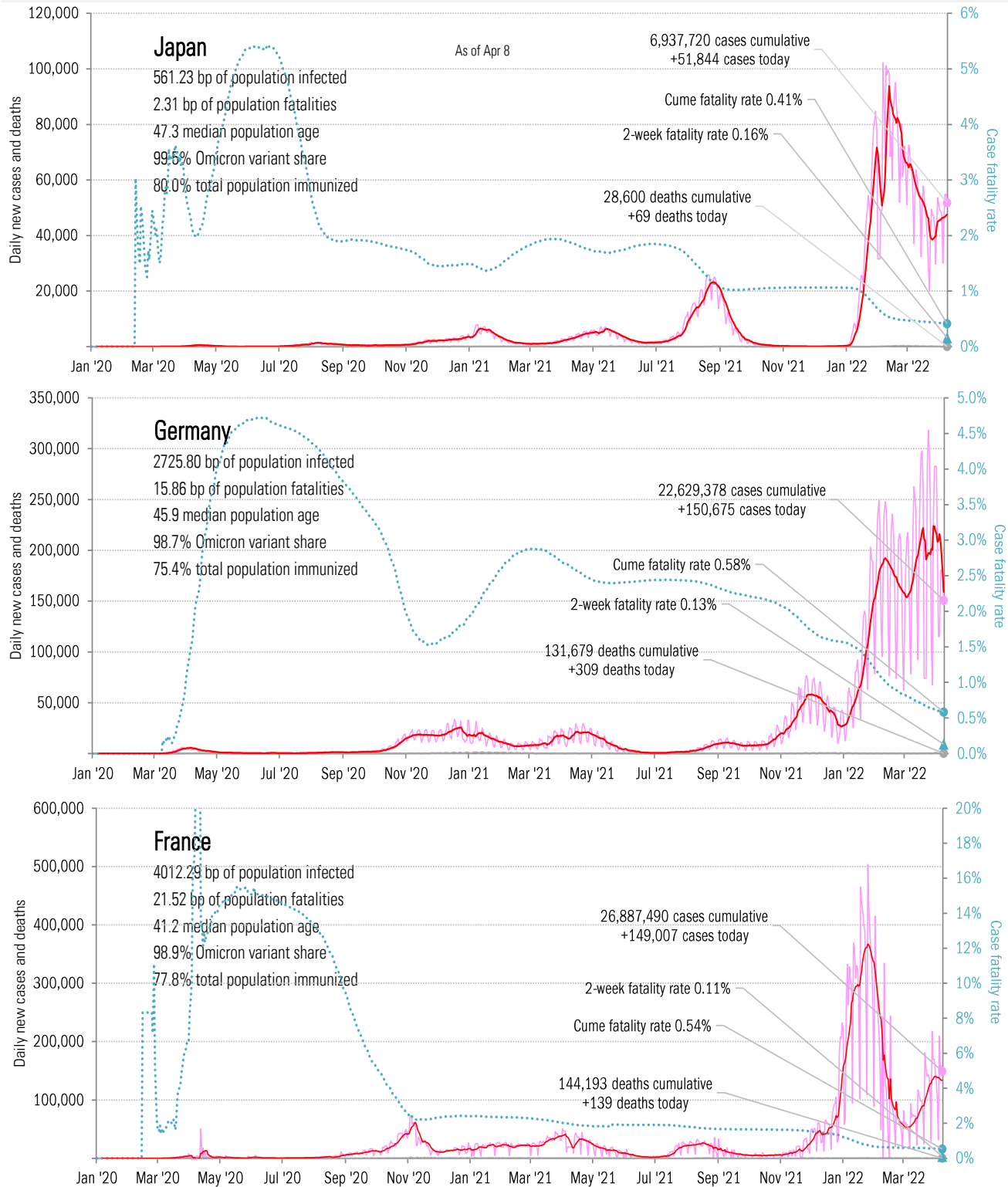


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

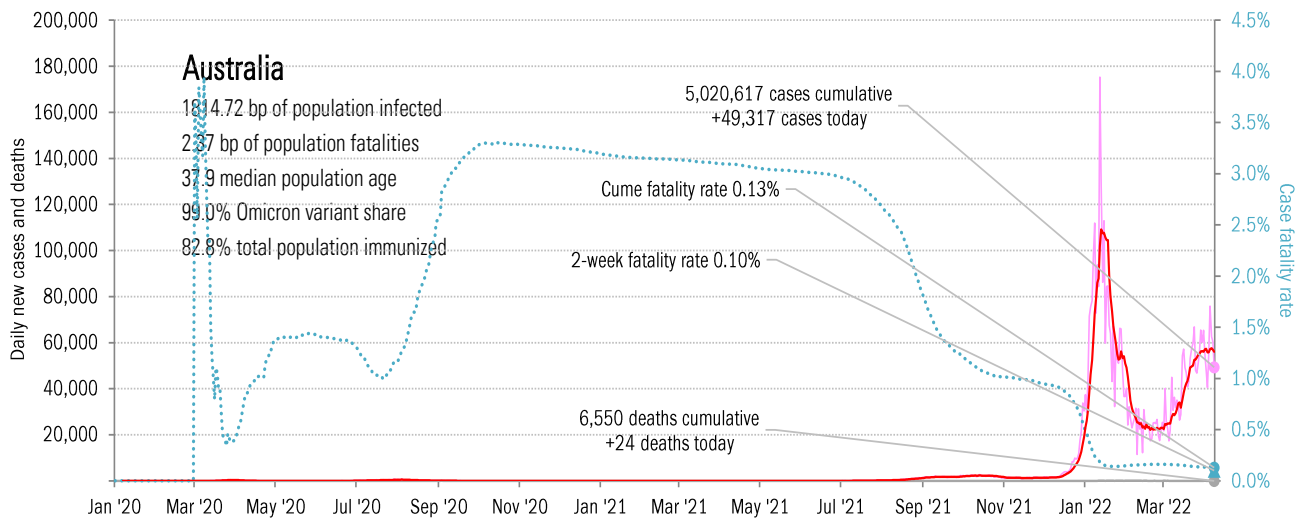
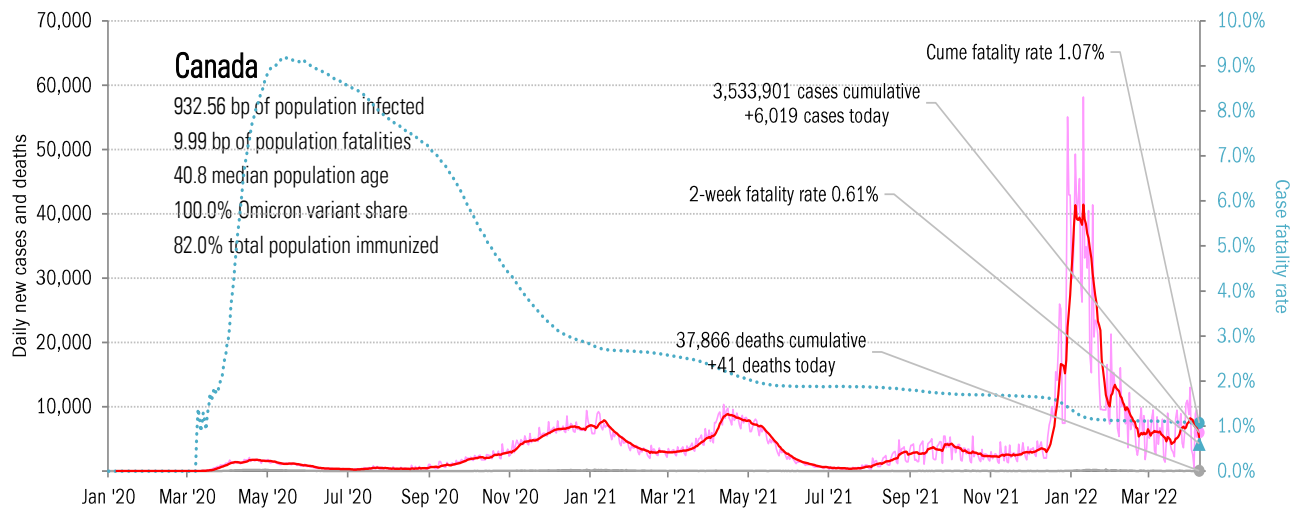
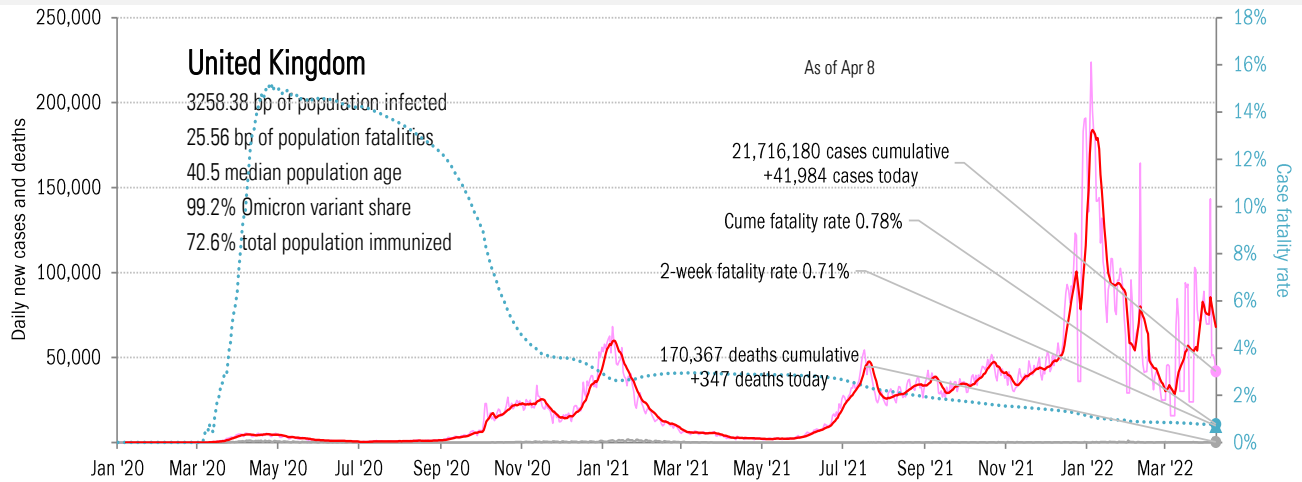
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

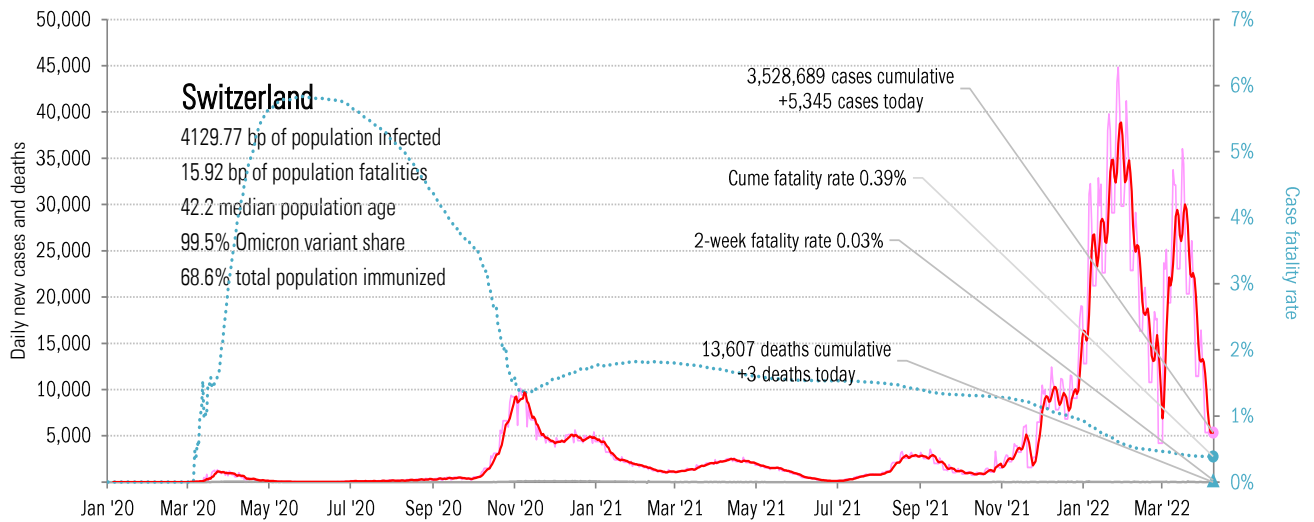
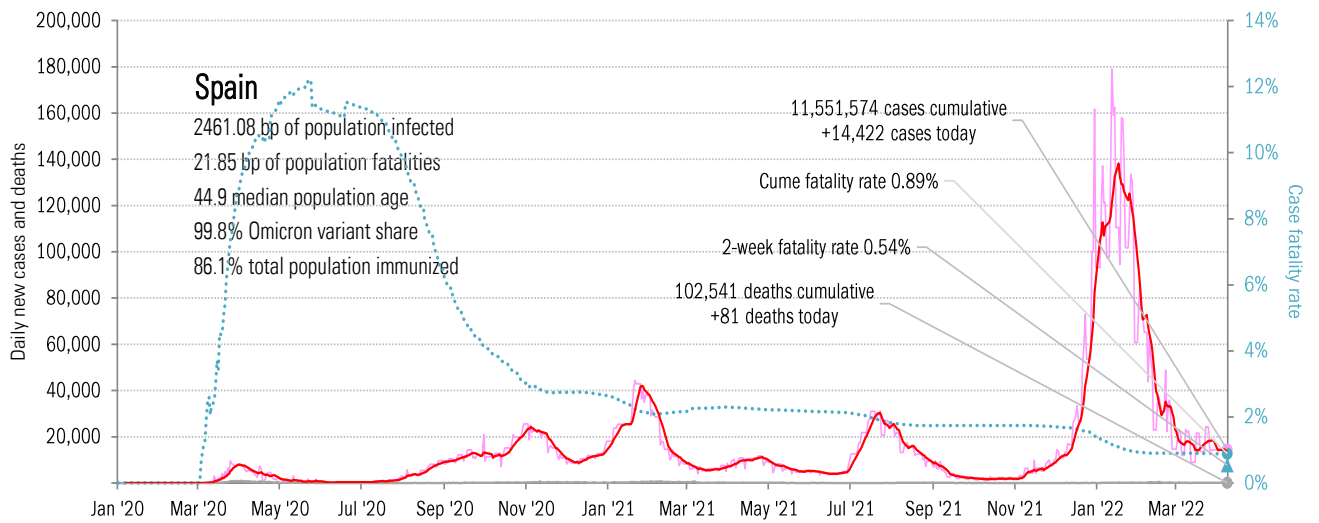
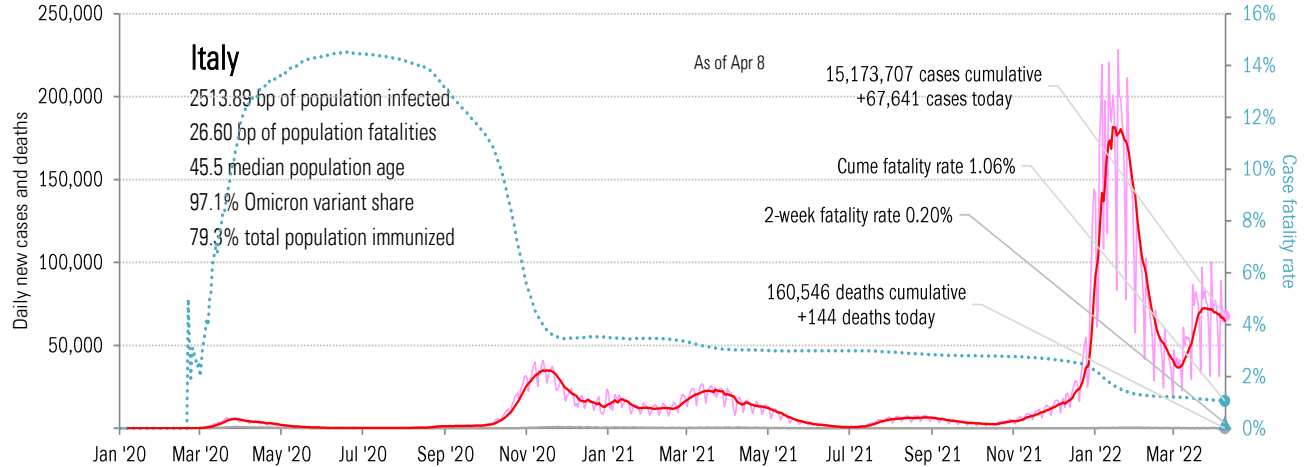
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

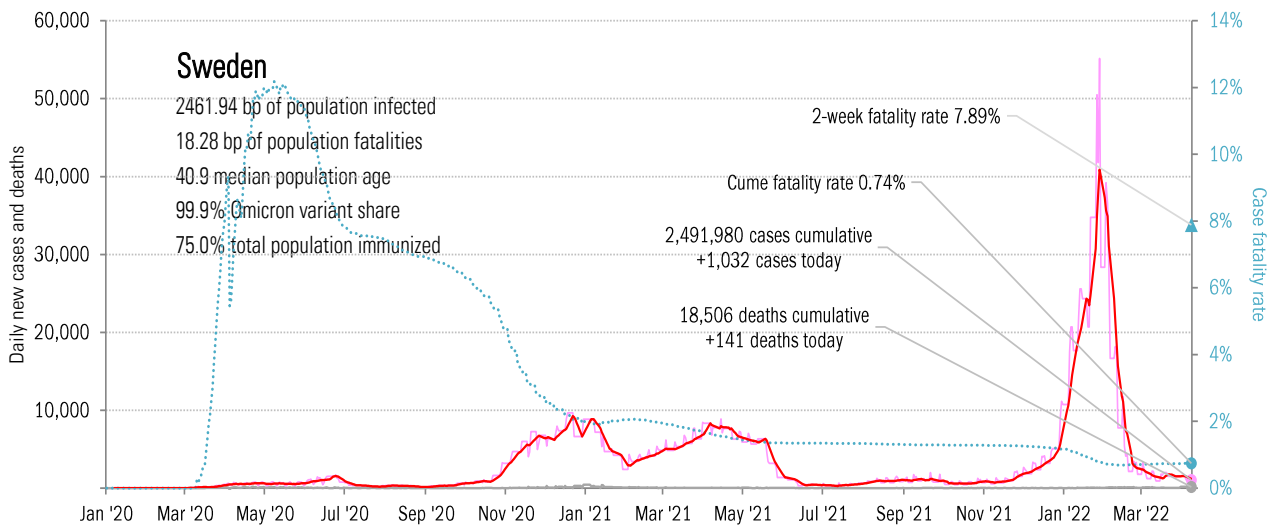
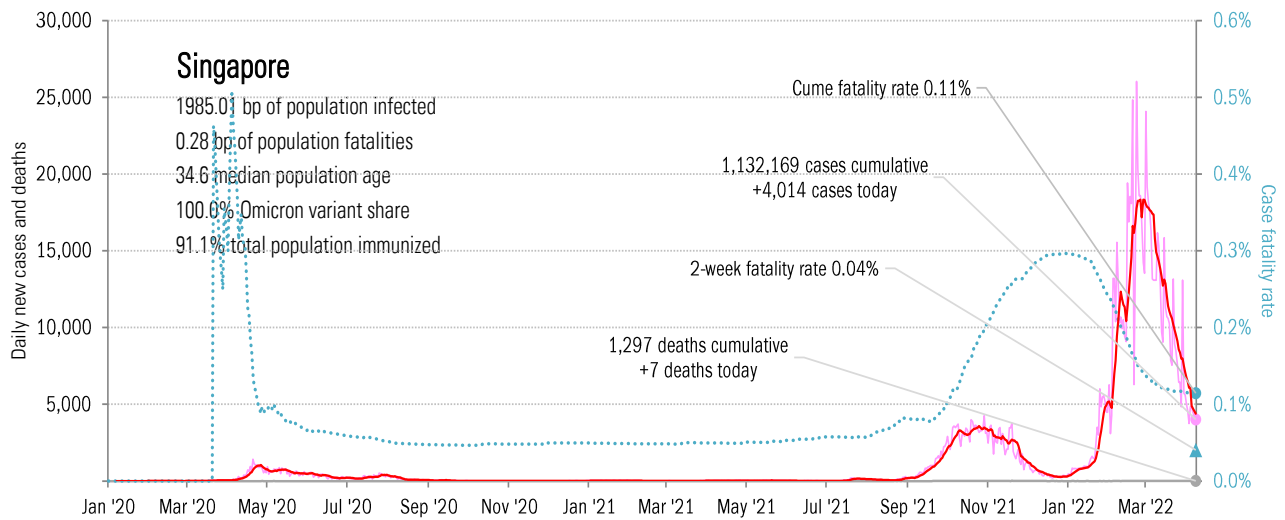
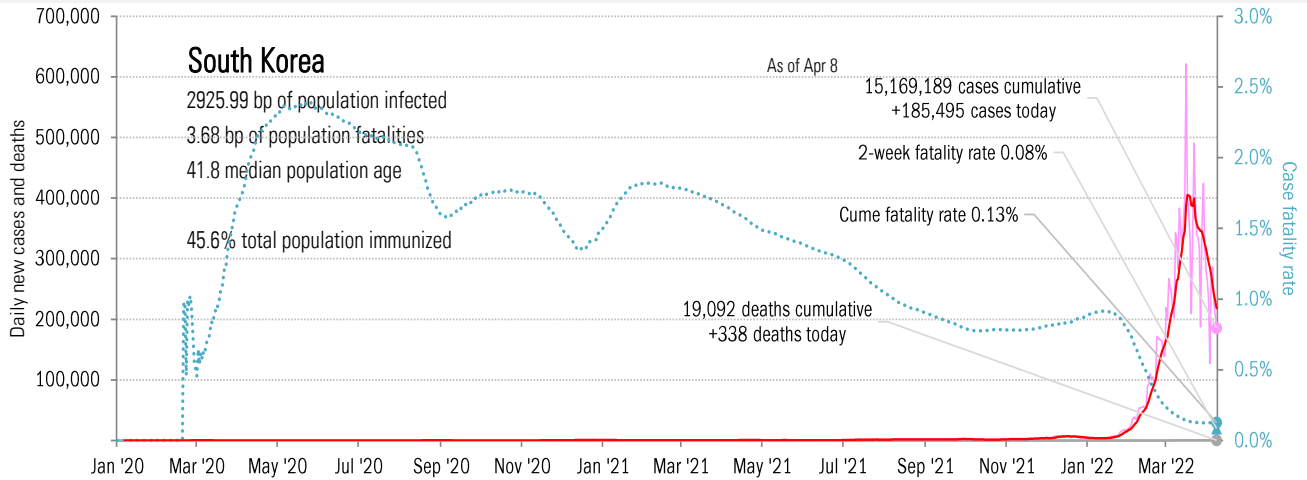
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

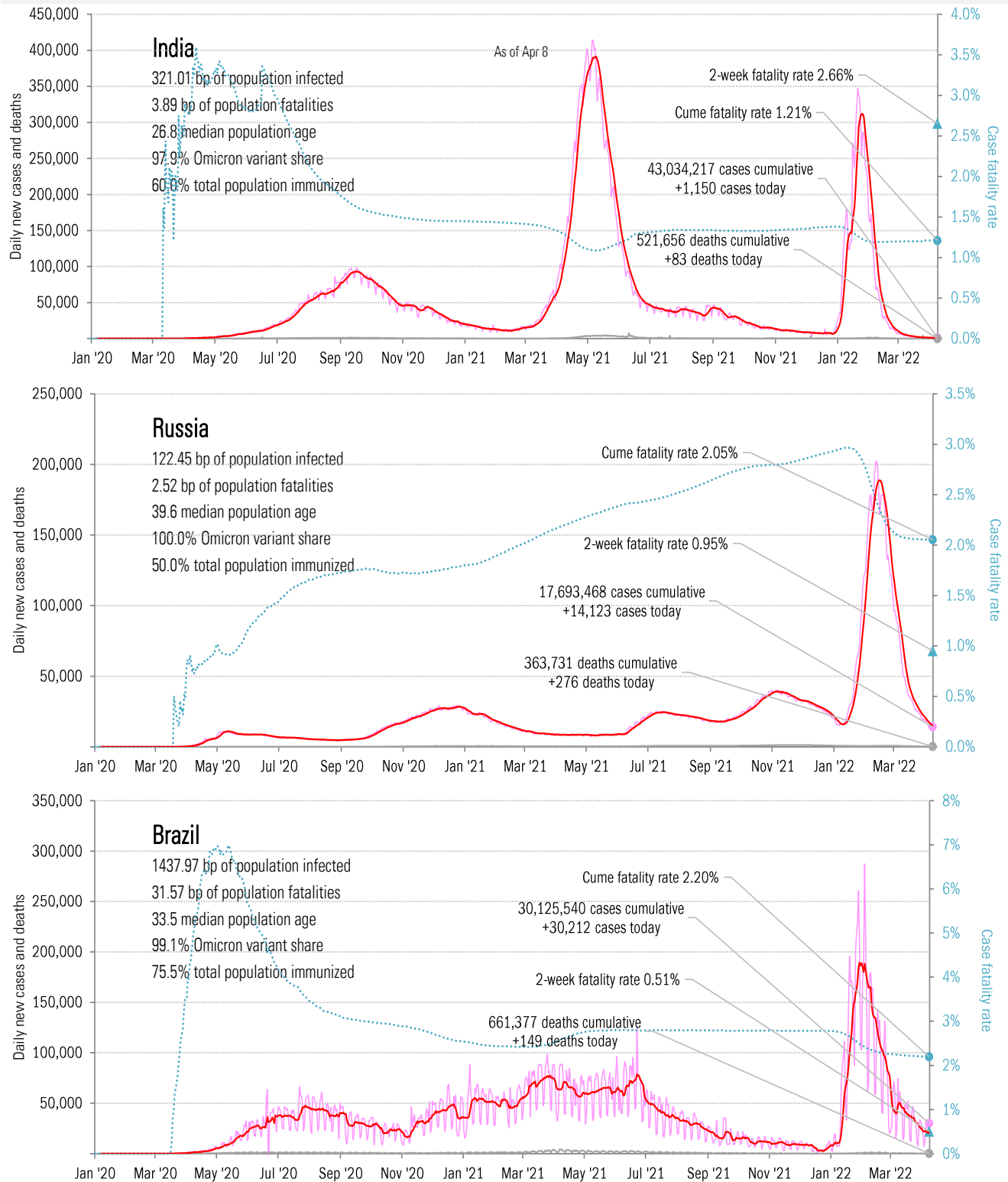
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

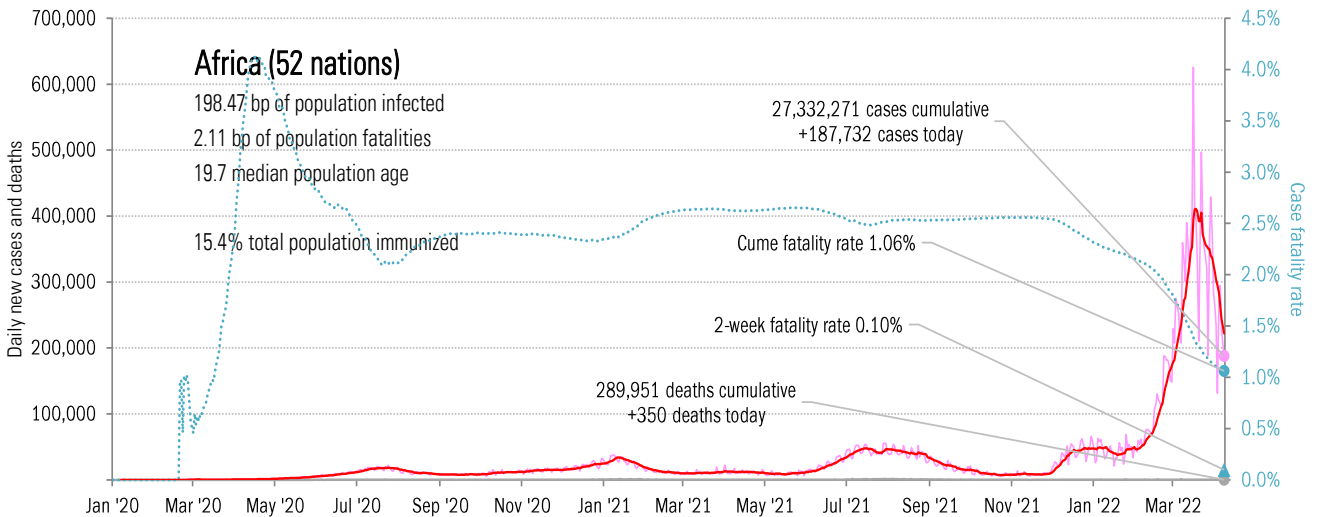
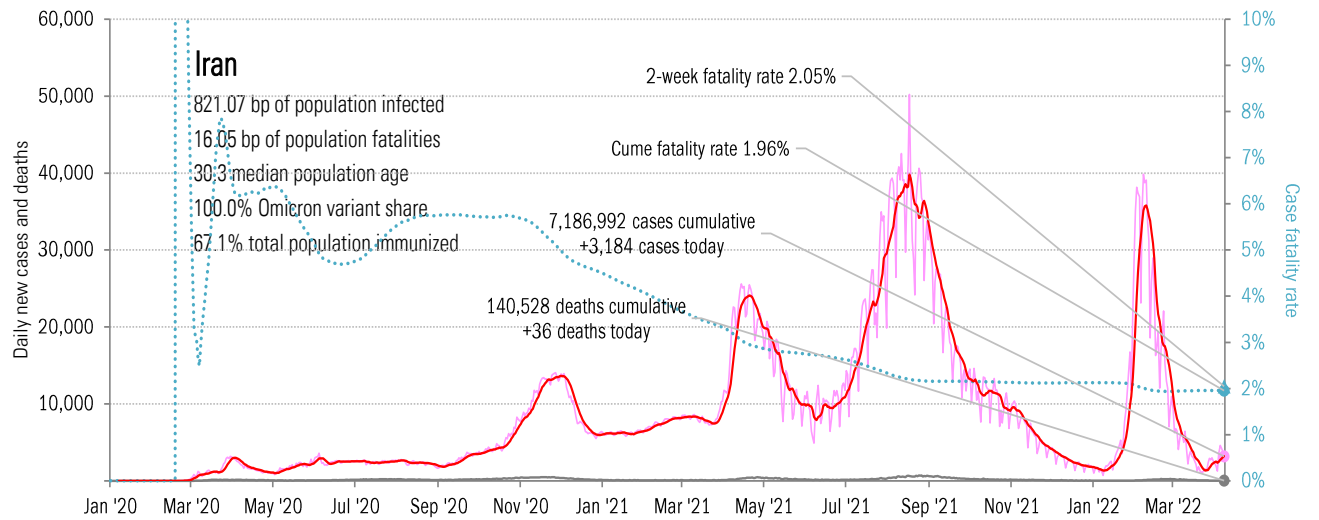
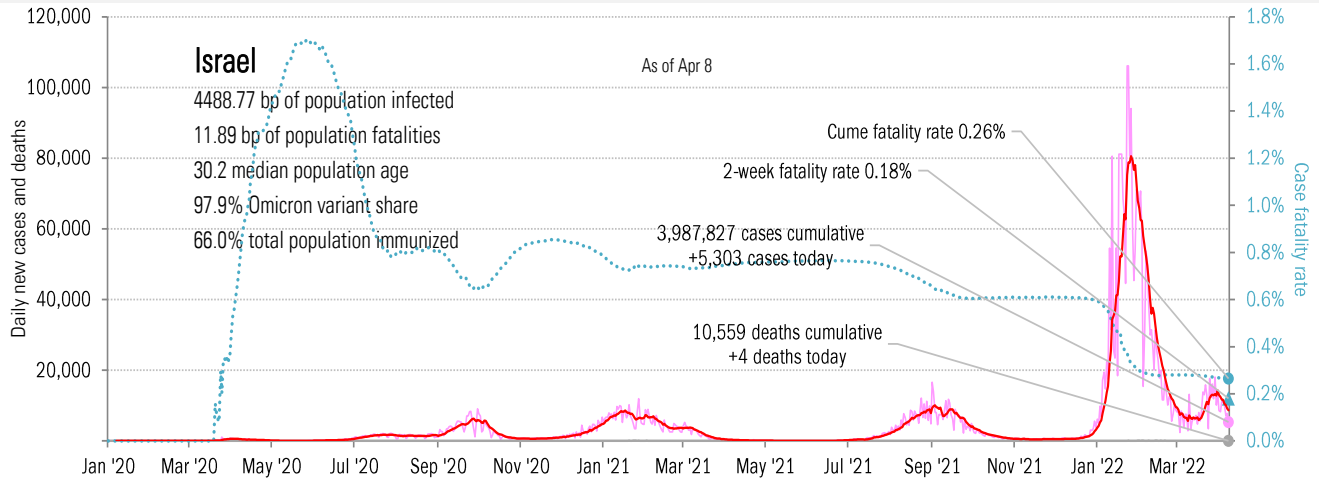
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

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

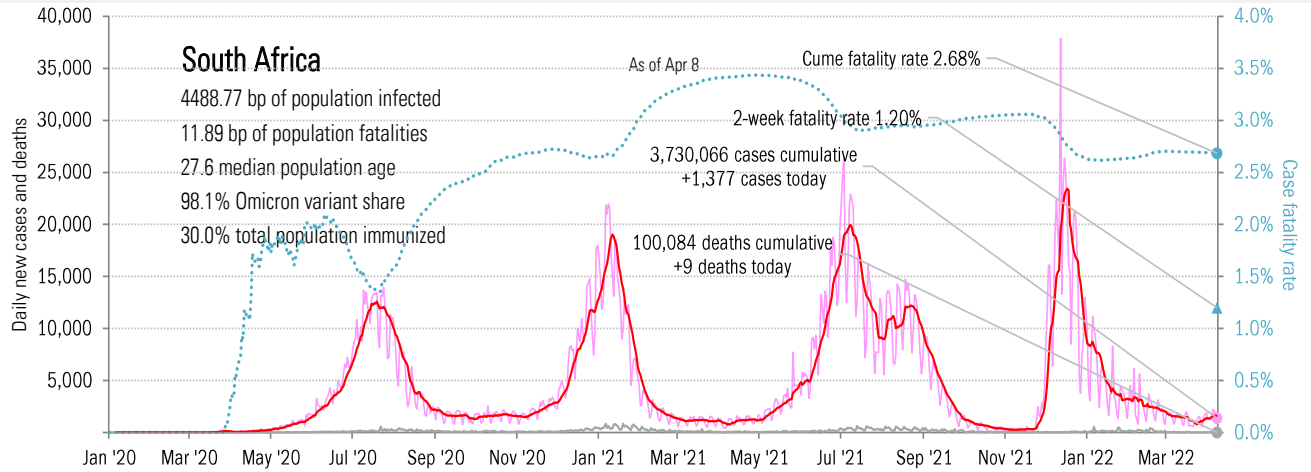


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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