

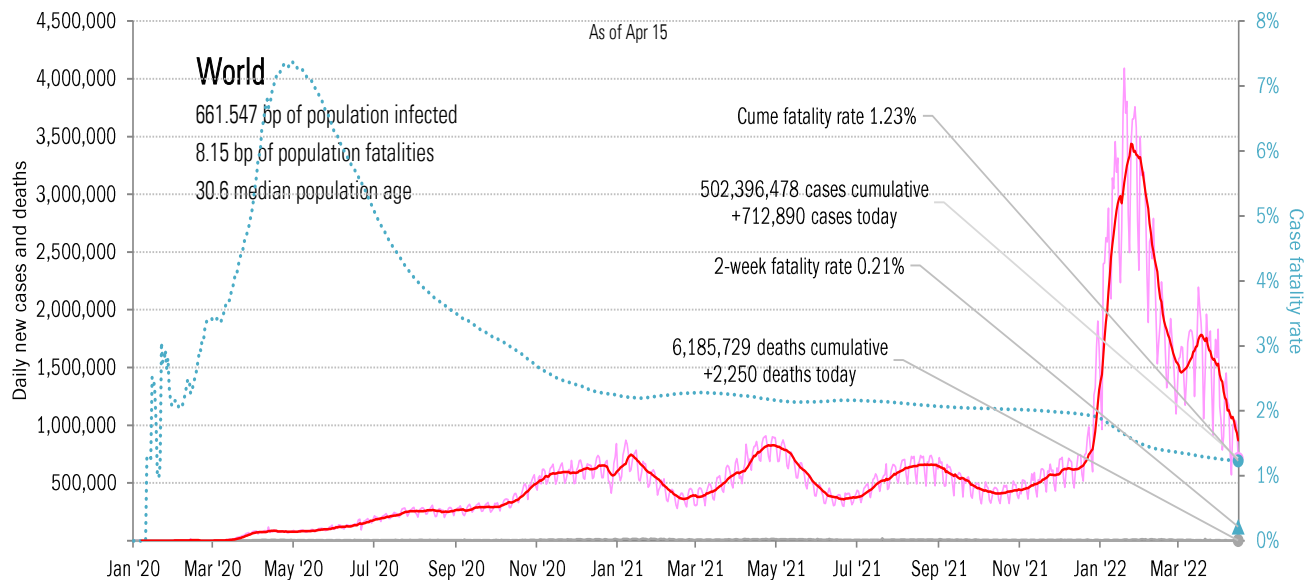
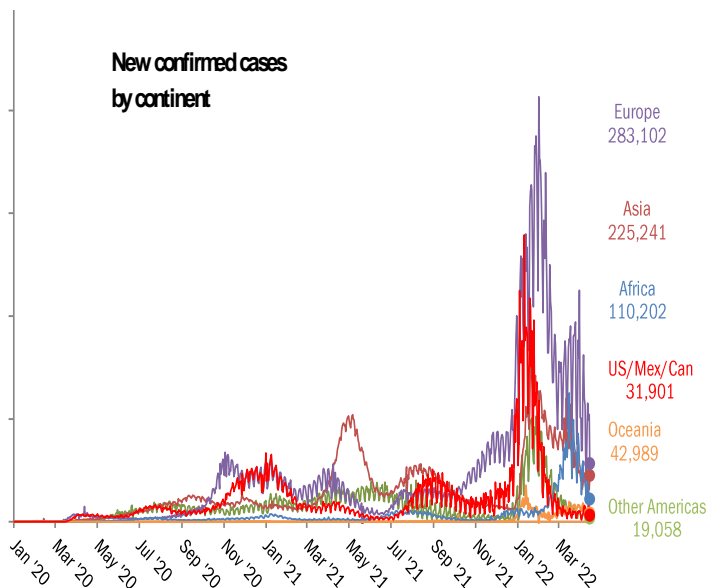
## Data Insights: Covid-2019 Monitor

Saturday, April 16, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
France	125,394	United States	509
Korea, South	107,882	Korea, South	273
Vietnam	73,934	Russia	255
Italy	62,290	France	151
China	52,951	Italy	133
Japan	49,697	Thailand	125
United States	39,546	Brazil	111
Germany	37,568	Greece	82
Australia	36,580	Japan	62
Thailand	18,892	Slovakia	54
<b>604,734</b>		<b>1,755</b>	
World	712,890	World	2,250
Top ten	85%	Top ten	78%



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

### For more information contact us:

Donald Luskin: 214 550 2121 [don@trendmacro.com](mailto:don@trendmacro.com)  
 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

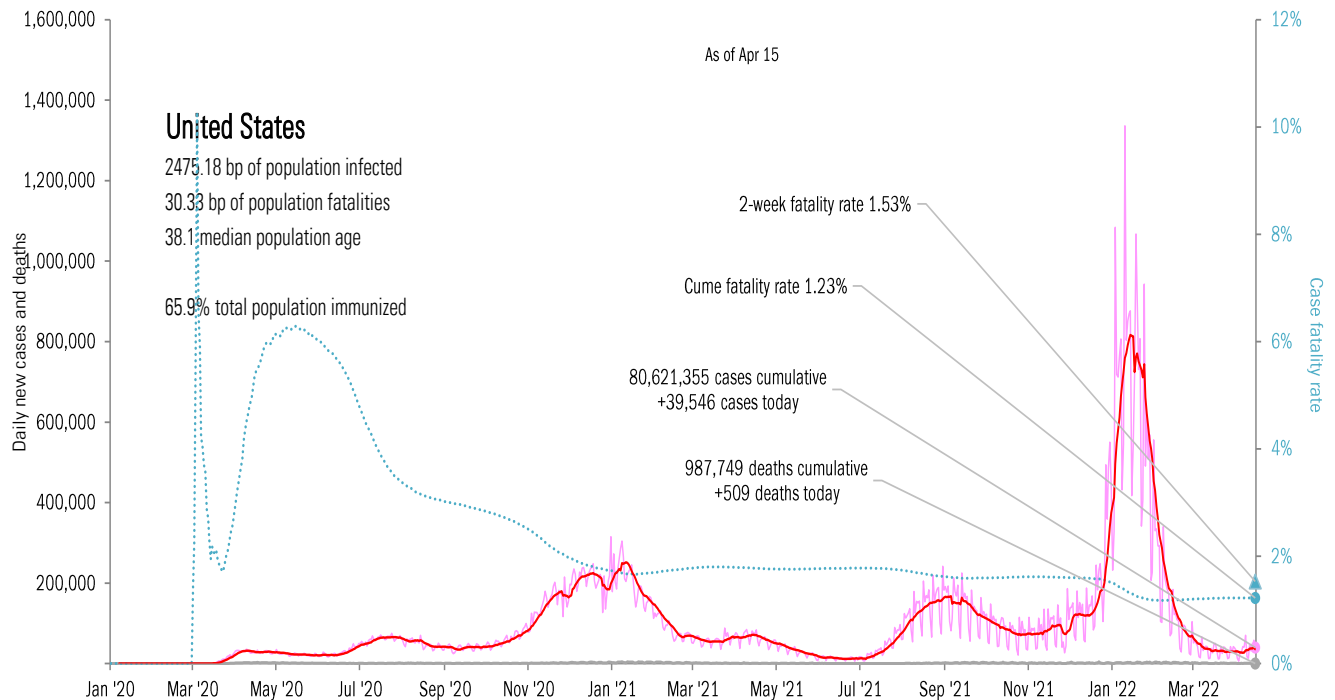
## The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
CA	7,221		CA	110		NY	209		CA	9,157,755		CA	89,666		TX	488,623		RI	90%	TX	86%
NY	6,703		GA	47		GA	66		TX	6,785,022		TX	87,809		CA	424,510		MA	87%	RI	86%
WA	2,794		VA	34		MA	67		FL	5,912,913		FL	73,785		FL	414,756		MN	84%	VT	83%
MA	2,727		WA	30		NJ	71		NY	5,068,350		NY	68,114		NY	247,288		MD	84%	KY	82%
IL	2,420		AL	27		IA	23		IL	3,094,485		PA	44,474		GA	207,196		DC	82%	NM	82%
NJ	2,376		CO	22		CT	42		PA	2,795,539		CH	38,266		CH	190,691		WA	82%	MA	82%
CO	1,831		FL	22		MI	65		CH	2,681,437		GA	37,523		PA	176,186		MO	81%	WA	81%
PA	1,561		AZ	20		PA	64		NC	2,639,241		IL	35,943		IL	157,279		WV	81%	NC	79%
VA	1,538		OR	16		NC	39		GA	2,506,634		MI	35,857		MI	141,369		PA	81%	MS	79%
CT	1,193		NJ	12		WV	13		MI	2,400,990		NJ	33,334		KY	132,908		GA	81%	AL	79%
30,364			340			659			43,042,366			544,771			2,580,806						
All states 39,546			509			1,562			All states 80,621,355			987,749			4,686,166			All states 70%		67%	
Top ten 77%			67%			42%			Top ten 53%			55%			55%			Median 75%		73%	

Some states not reporting

## Five most improved US states

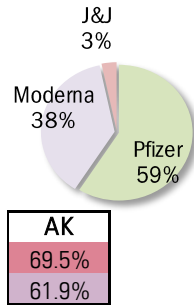
Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most pop immunity growth
FL -6,561	FL -120	AZ -86	AL +10 bp
NY -6,033	CH -100	IL -31	CA +10 bp
CA -5,717	CK -96	CH -19	GA +10 bp
CH -4,808	TX -18	CO -17	IN +10 bp
TX -2,766	PA -13	IN -15	KS +10 bp



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	582,947,922		+0.320 million		US	65.9%	77.3%
Boosters	100,434,524		+0.058 million		UK	72.7%	77.7%
	One dose	% Pop	Immune	% pop	New immune today	France	77.9%
Total population	264,296,986	79%	224,968,207	67%	+0.043 million	Spain	86.3%
Age 12 to 17	17,640,340	70%	15,051,479	59%	+0.003 million	Germany	75.4%
Age 18 to 64	177,909,091	87%	150,920,722	74%	+0.021 million	Italy	79.3%
Age 65 and over	58,576,638	100%	50,831,970	93%	+0.015 million	Australia	83.1%
						Israel	66.0%
						Canada	82.1%
						Japan	80.2%
						Africa	16.2%
						India	60.4%
						Brazil	75.9%
						China	86.2%



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

"Immunity" = two doses

US	65.9%	77.3%
UK	72.7%	77.7%
France	77.9%	80.1%
Spain	86.3%	88.1%
Germany	75.4%	76.0%
Italy	79.3%	84.1%
Australia	83.1%	86.3%
Israel	66.0%	72.2%
Canada	82.1%	86.9%
Japan	80.2%	81.6%
Africa	16.2%	21.2%
India	60.4%	71.6%
Brazil	75.9%	85.0%
China	86.2%	88.6%

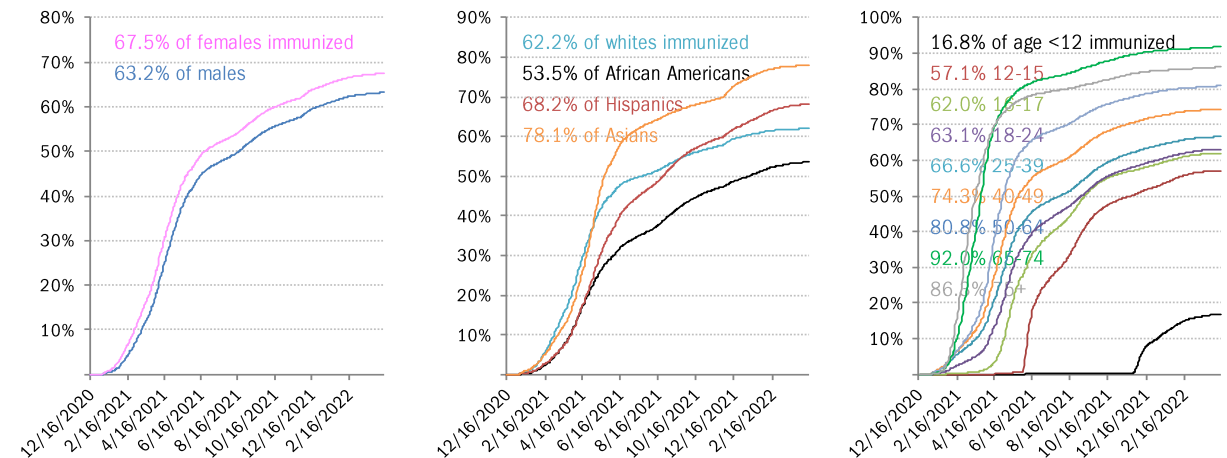
Global data differs due to sources, timing

As of Apr 14

State	At least partial immunity as % population	Full immunity as % population
AK	69.5%	61.9%
HI	87.2%	78.0%
WA	80.5%	72.3%
ID	60.9%	53.8%
MT	65.0%	56.5%
ND	64.8%	54.7%
MN	74.9%	69.9%
WI	71.6%	65.3%
IL	76.6%	69.5%
MI	66.8%	59.9%
NY	89.9%	76.5%
VT	93.2%	80.9%
NH	90.6%	69.8%
OR	77.6%	69.4%
NV	74.9%	60.5%
WY	58.6%	51.3%
CA	83.1%	71.6%
UT	71.9%	64.0%
CO	79.1%	70.0%
AZ	72.6%	61.2%
NM	87.2%	70.7%
KS	74.2%	61.1%
AR	66.4%	54.2%
TN	61.9%	54.3%
NC	83.6%	60.5%
SC	67.2%	56.6%
DC	95.0%	73.5%
DE	82.8%	68.7%
OK	70.8%	56.9%
LA	60.8%	53.3%
MS	59.4%	51.6%
AL	62.5%	50.9%
GA	65.1%	54.5%
TX	72.6%	61.1%
FL	78.9%	66.7%
PR	94.7%	82.8%

CDC vaccination data is not available today at the source.

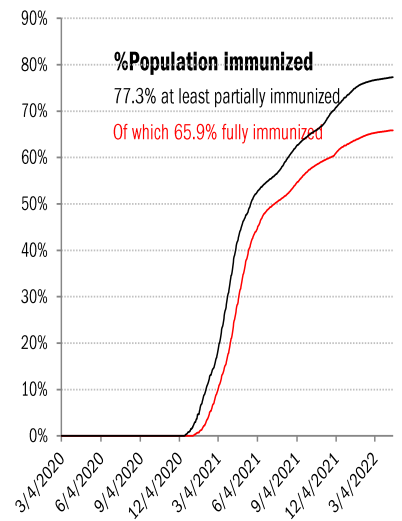
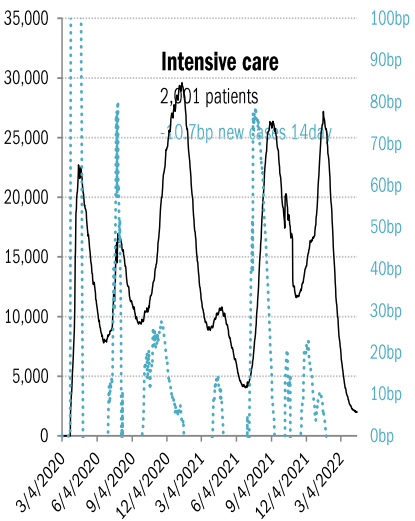
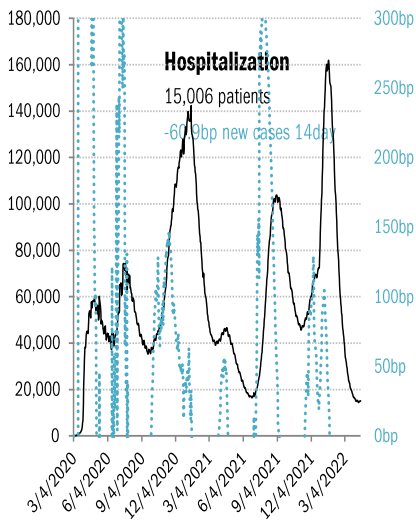
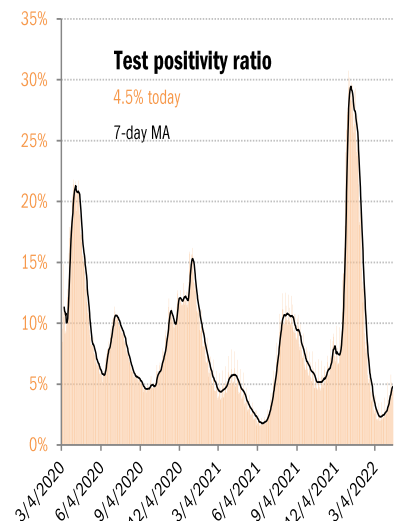
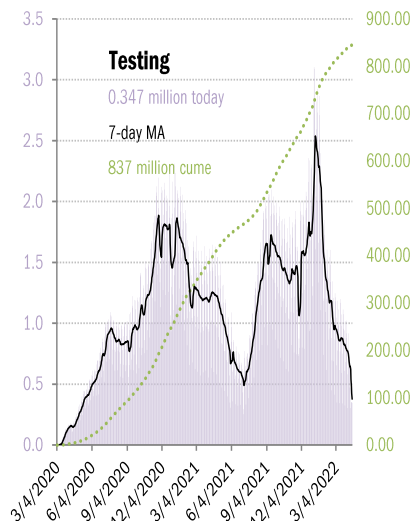
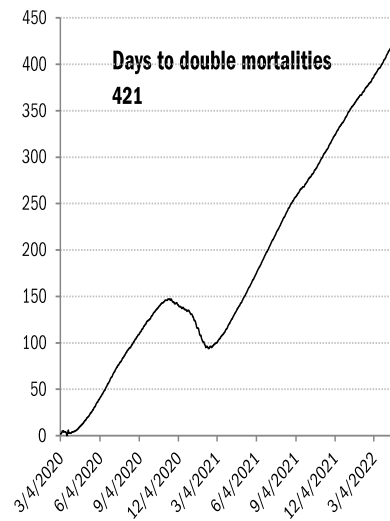
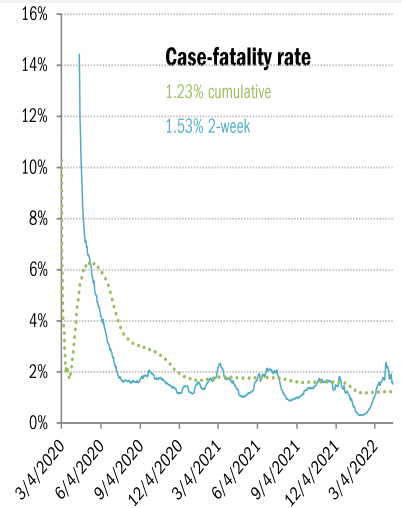
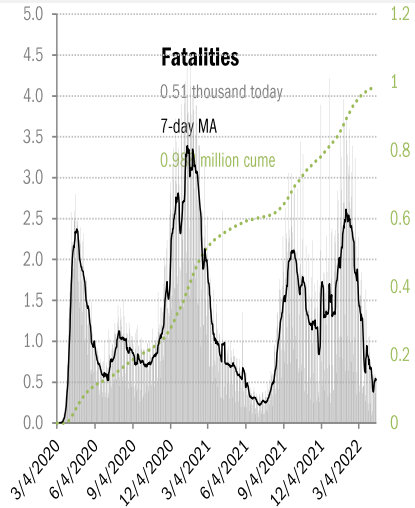
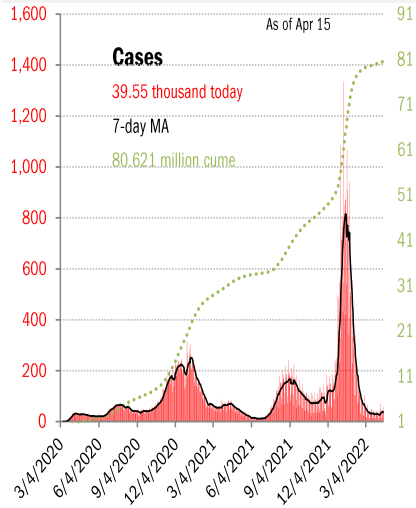
## The demographics of US vaccination



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

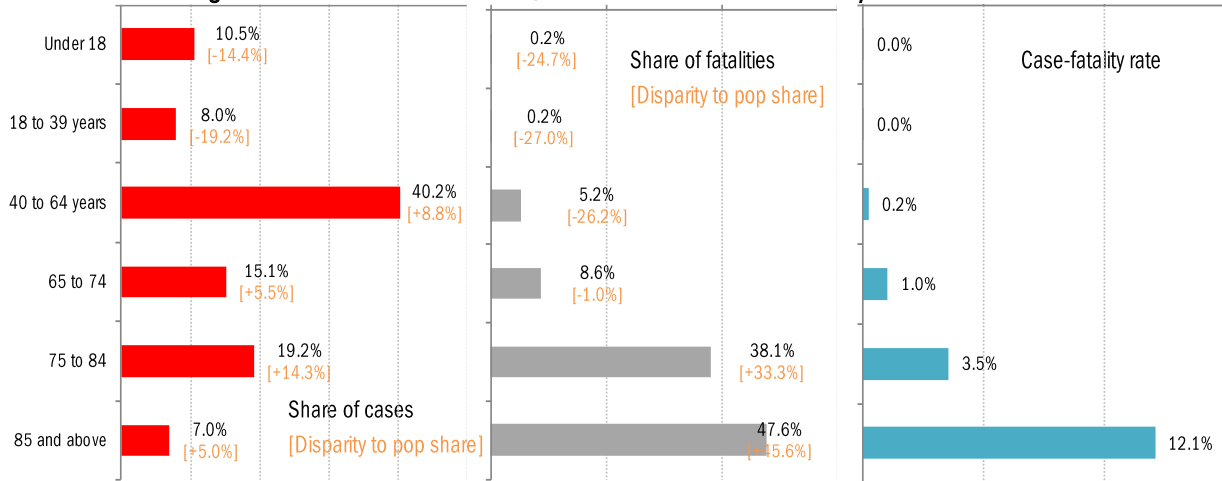
# US deep-dive

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

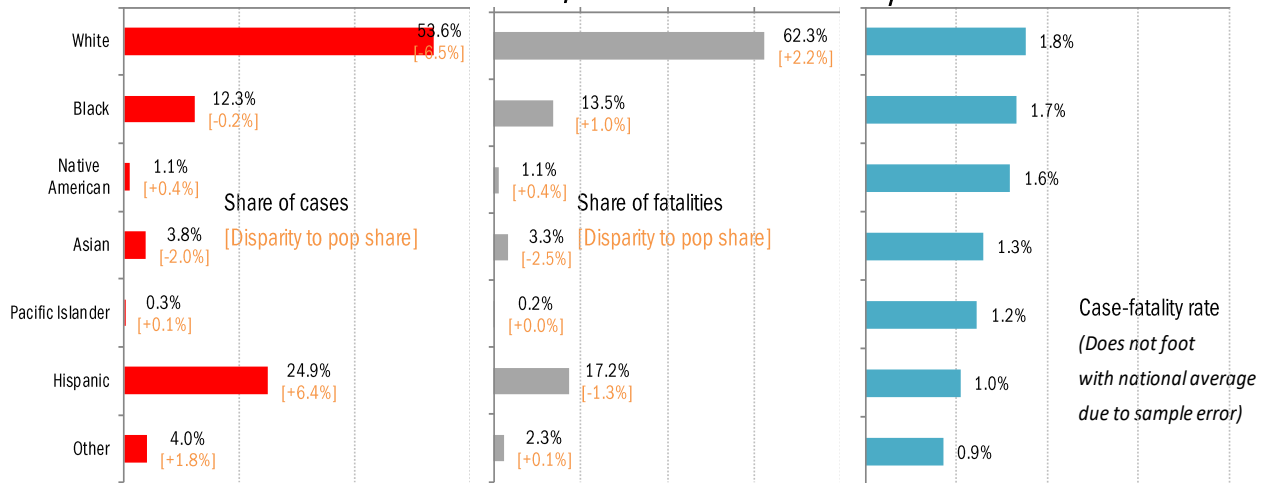


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

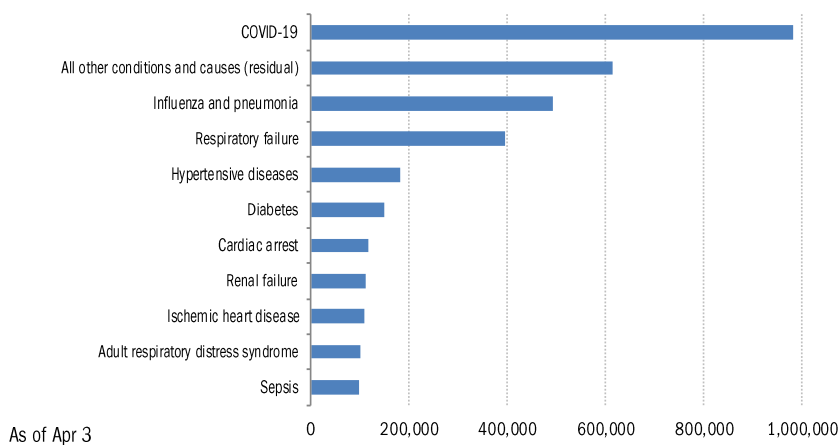


**Racial distribution of US cases, fatalities and case-fatality rates**



**Comorbidities**

Top-ten joint causes of Covid mortalities, cumulative



As of Apr 3

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.

## Recommended reading

[South Korea downgrades Covid to 'Class 2' disease and removes restrictions](#)

Christian Davies and Song Jung-a  
*Irish Times*  
April 15, 2022

[Xi Moves to Stop Shanghai Covid Rage From Sweeping Across China](#)

Colum Murphy and Krystal Chia  
*Bloomberg*  
April 14, 2022

[Does Vaccination Make You More Likely To Catch Covid?](#)

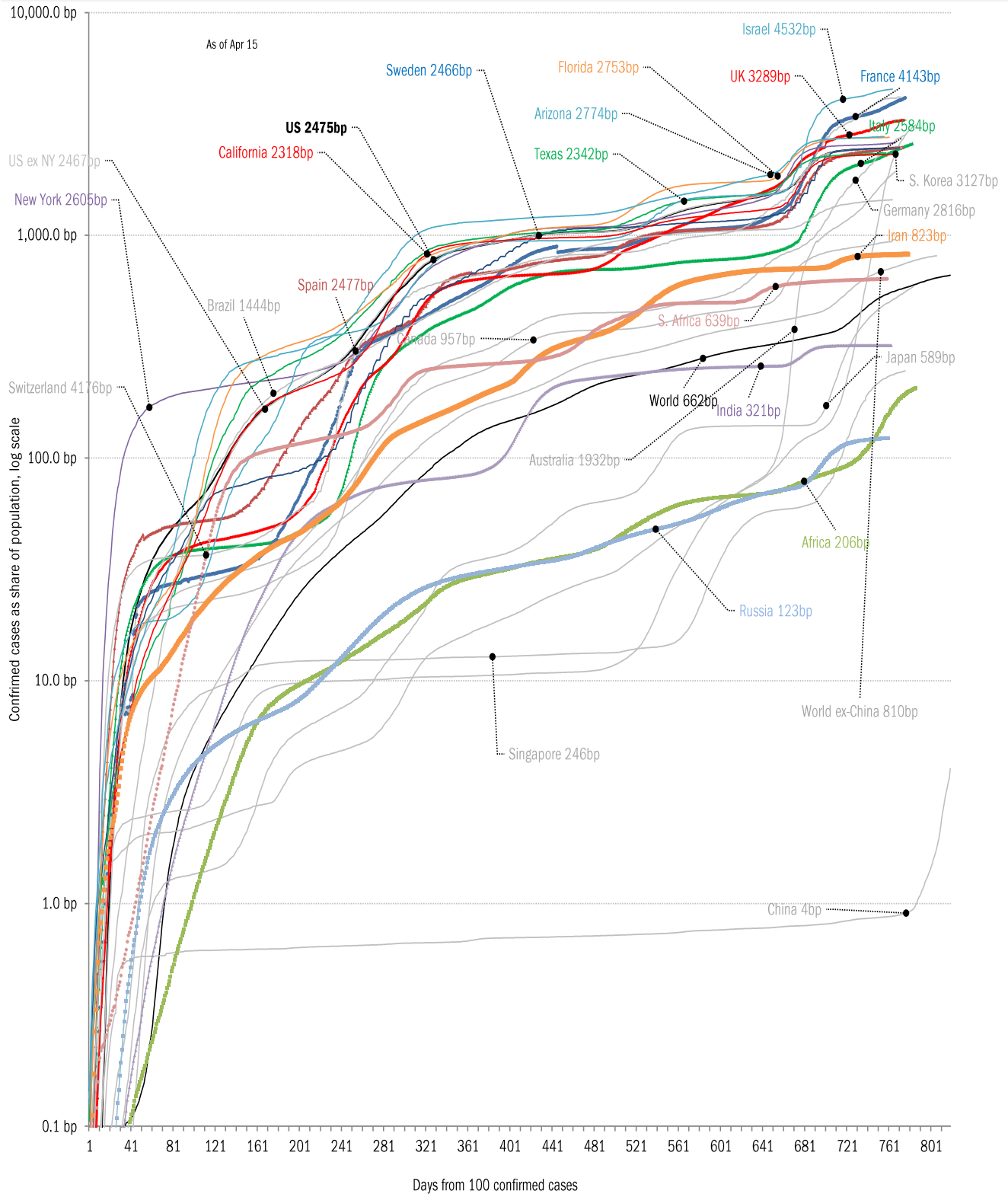
John Hinderaker  
*Power Line Blog*  
April 15, 2022

## Meme of the day



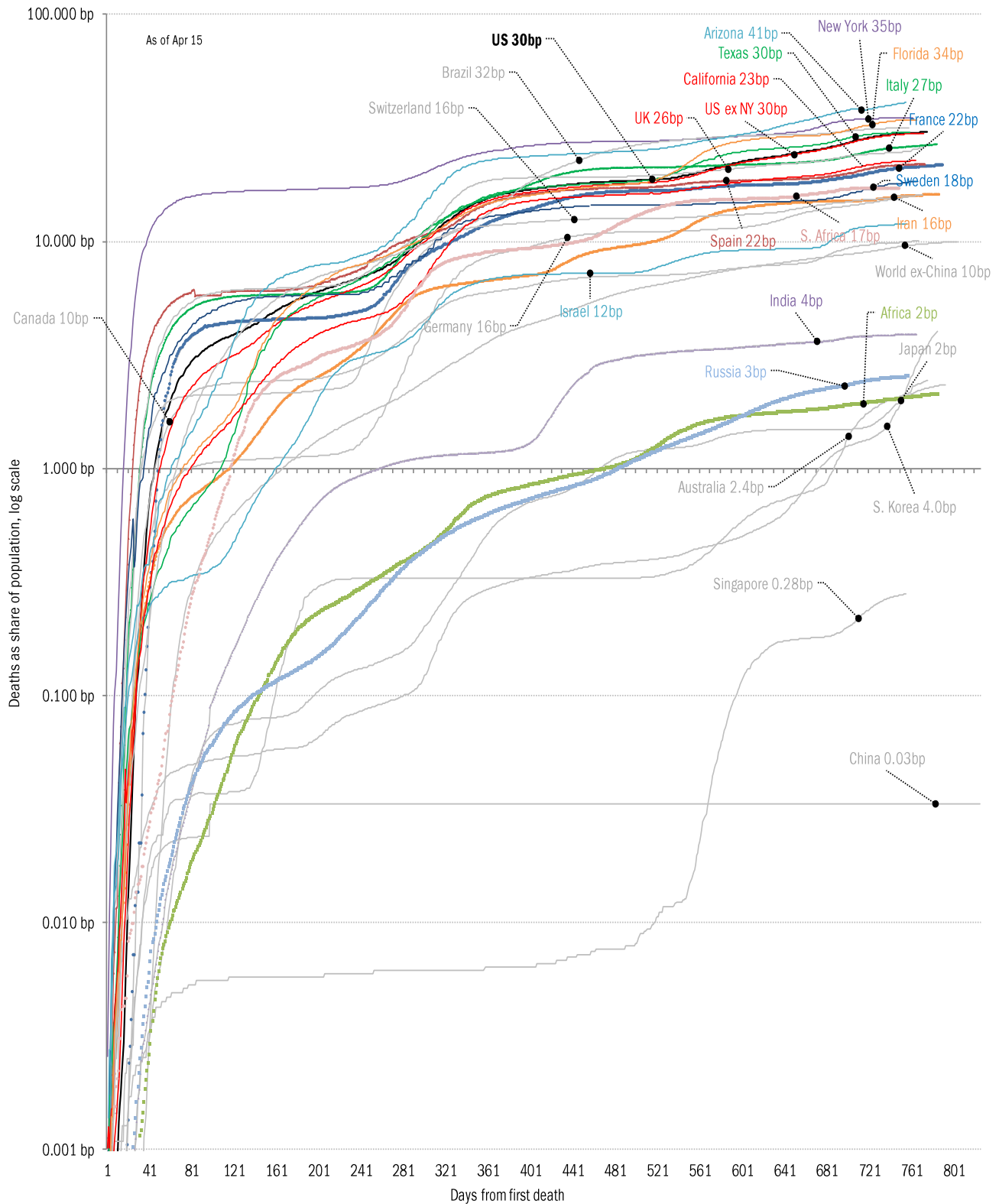
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



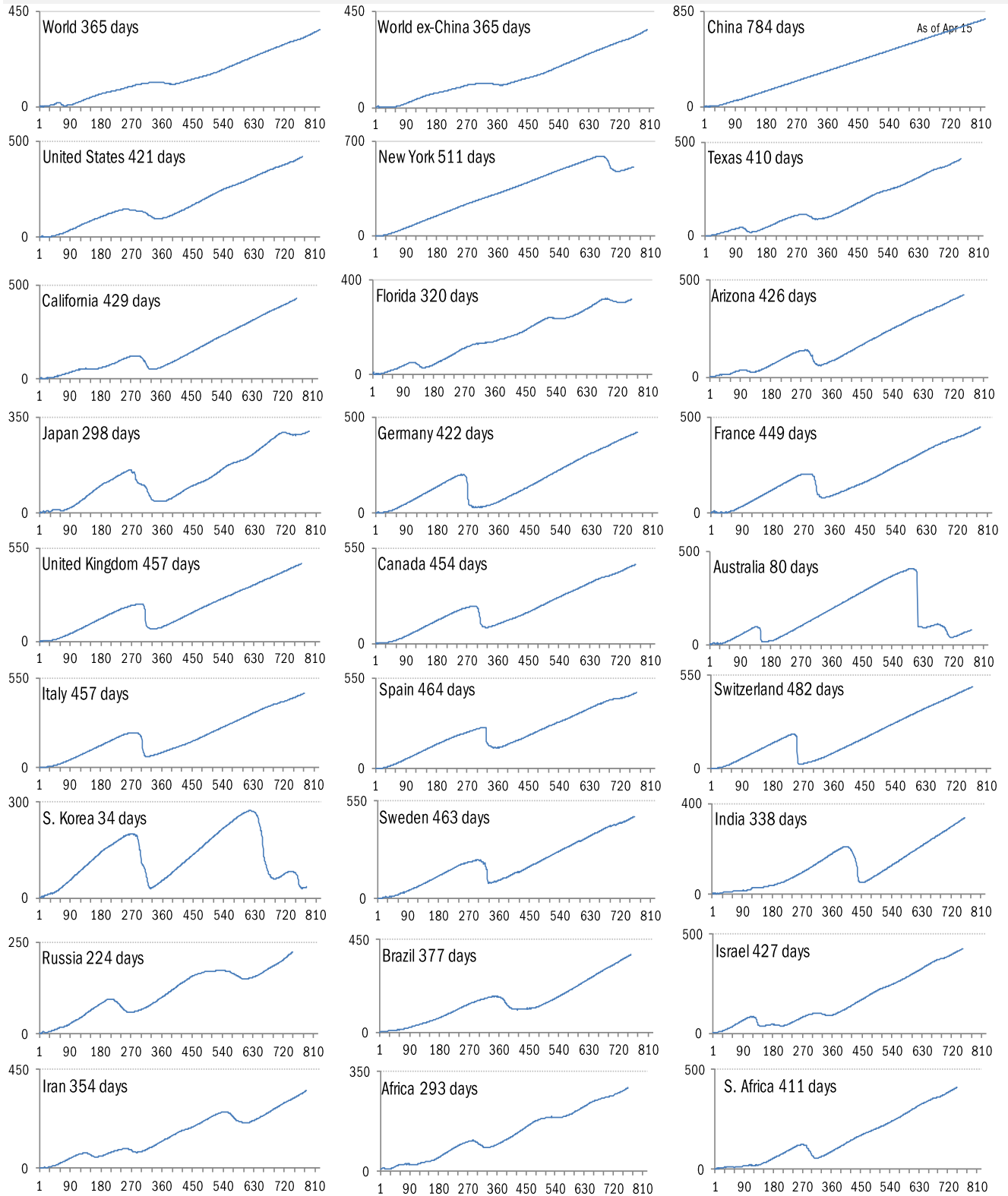
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

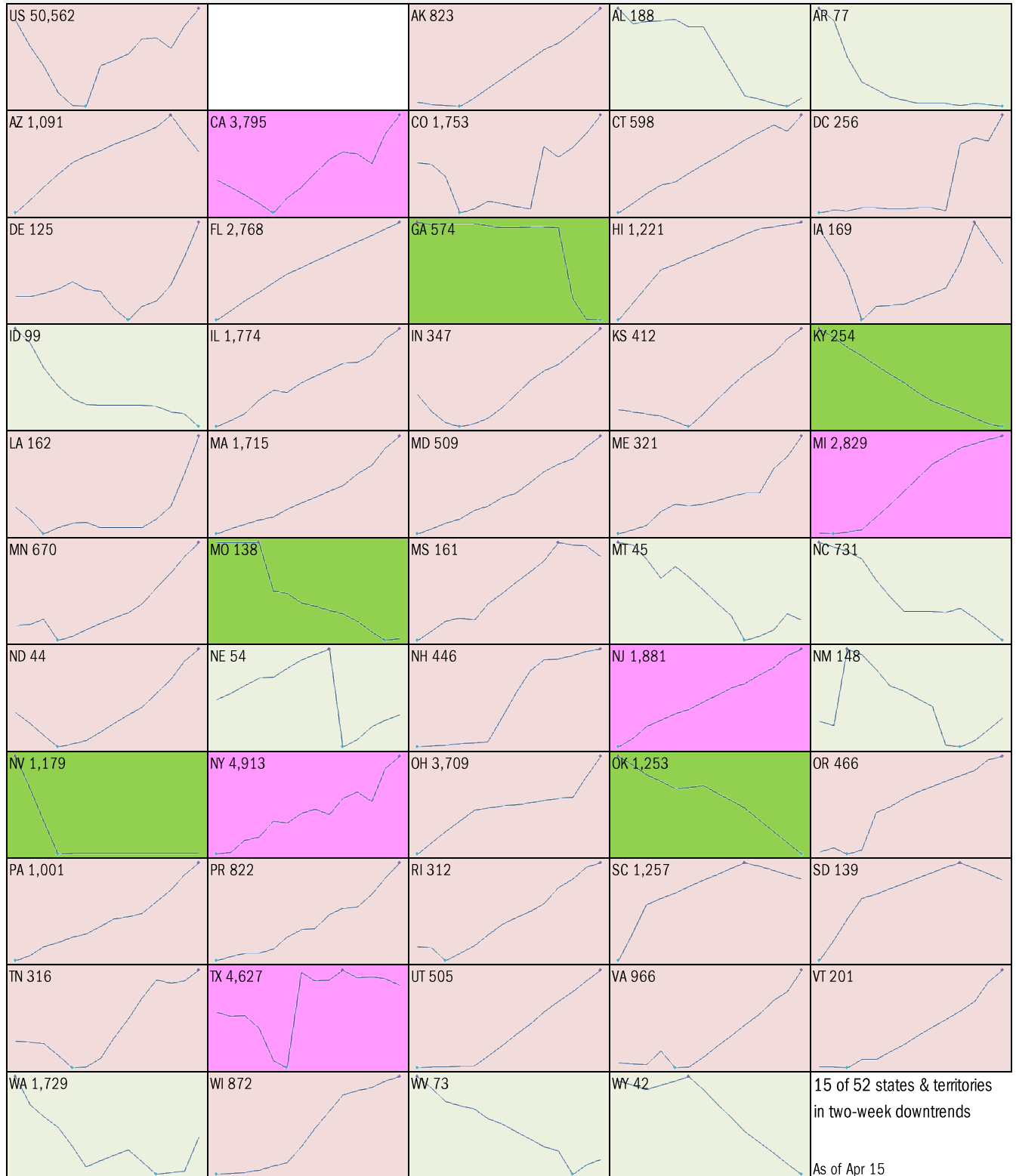


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

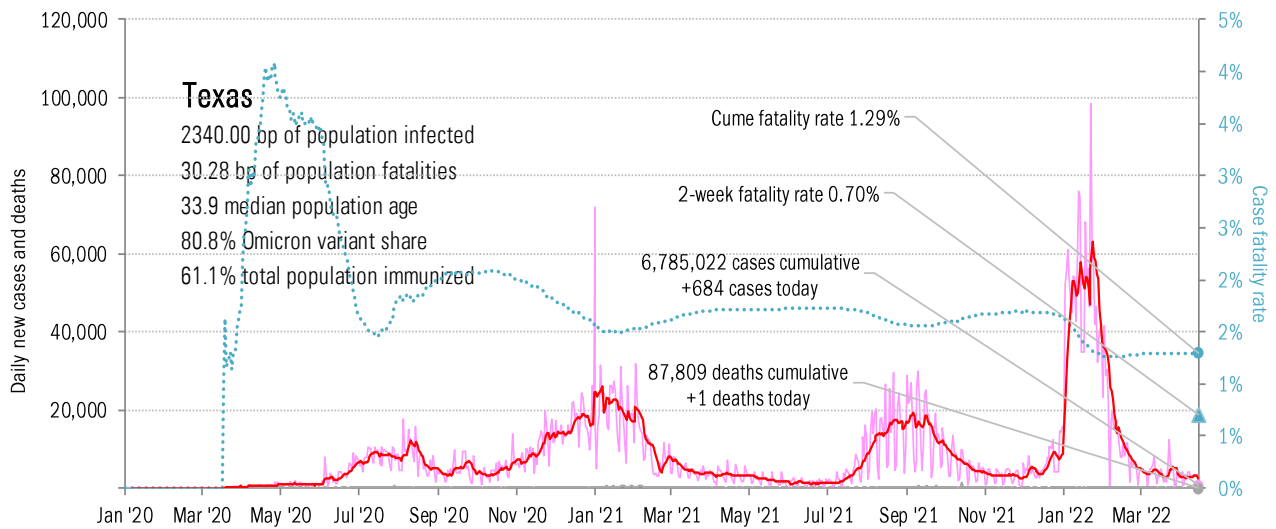
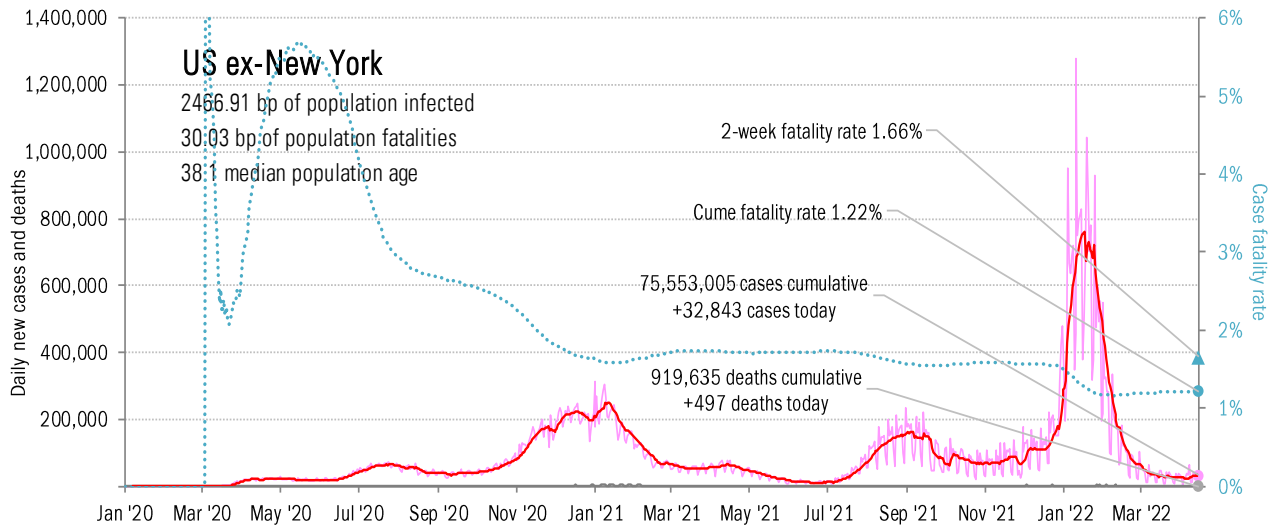
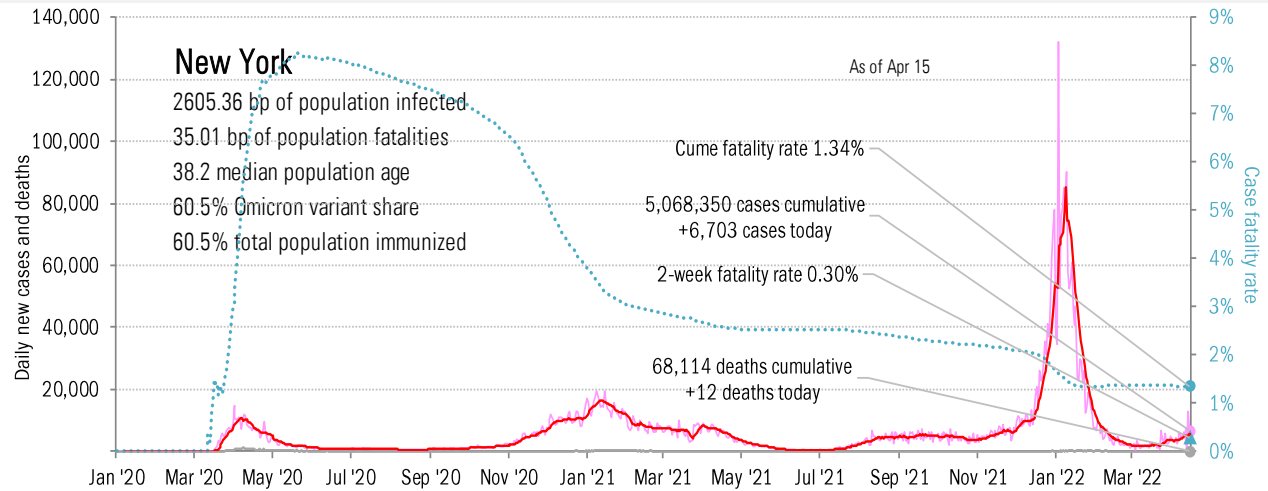


Test data for WA is temporarily unavailable.

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

# From Ground Zero to the Rio Grande

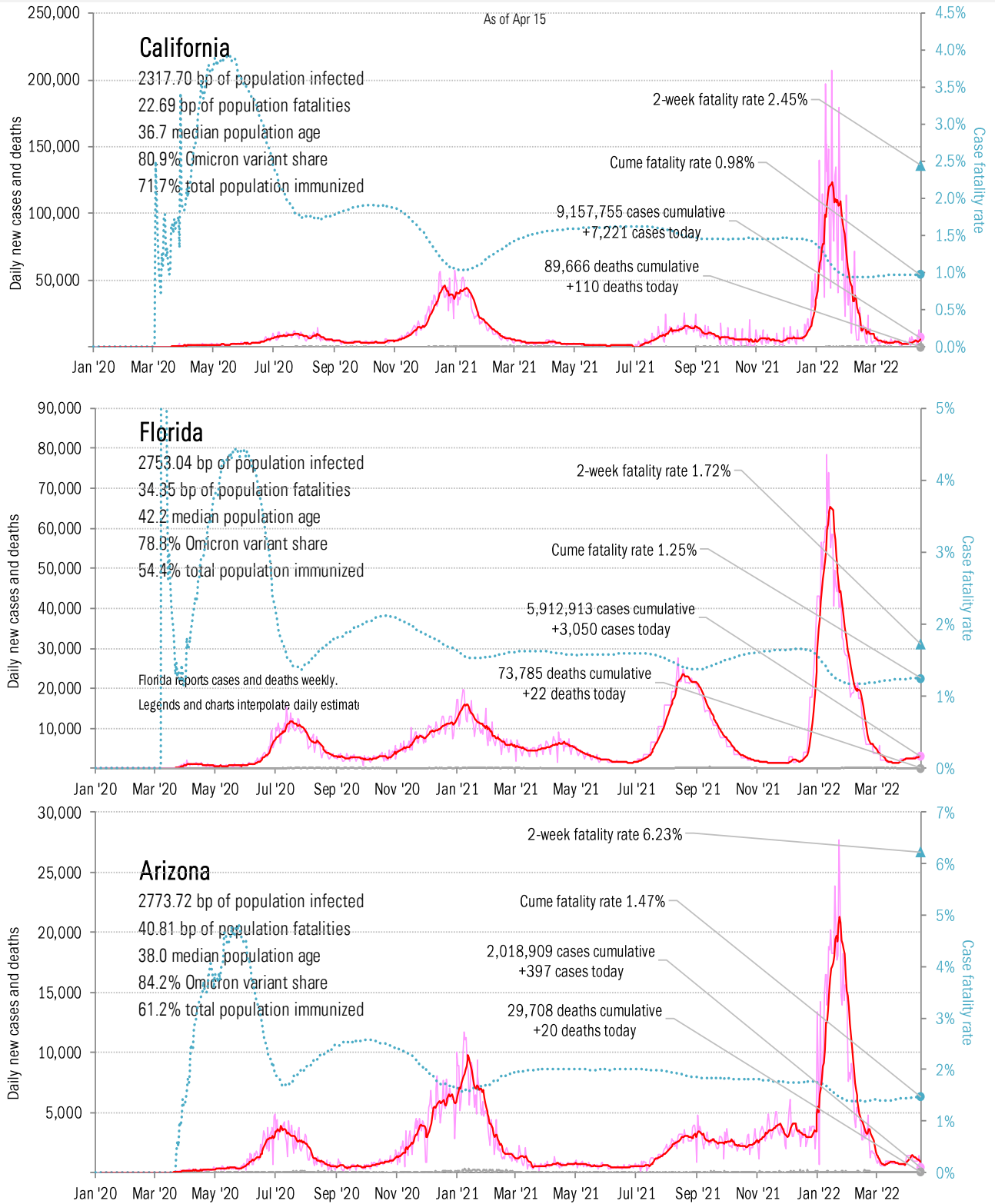
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

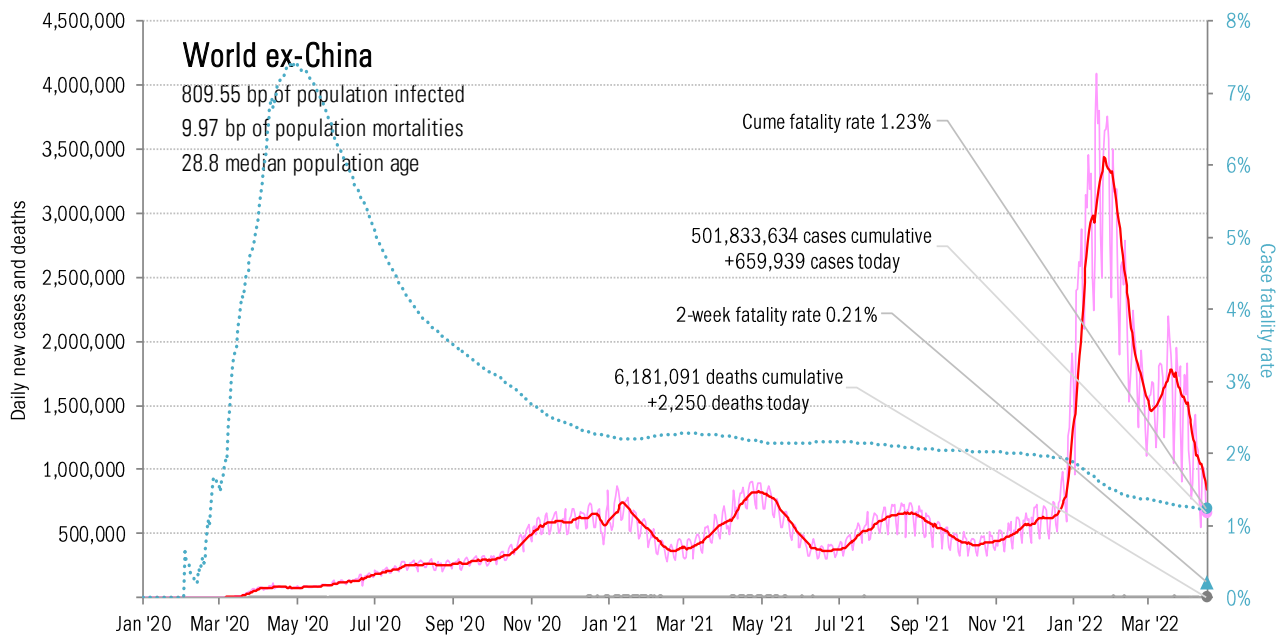
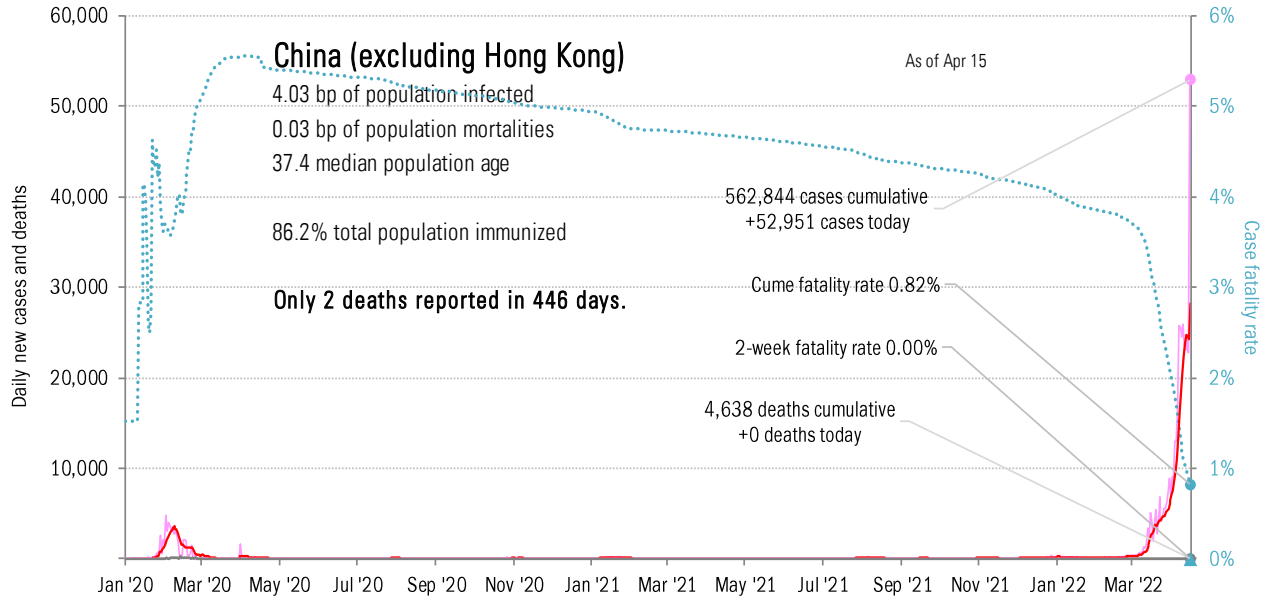
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

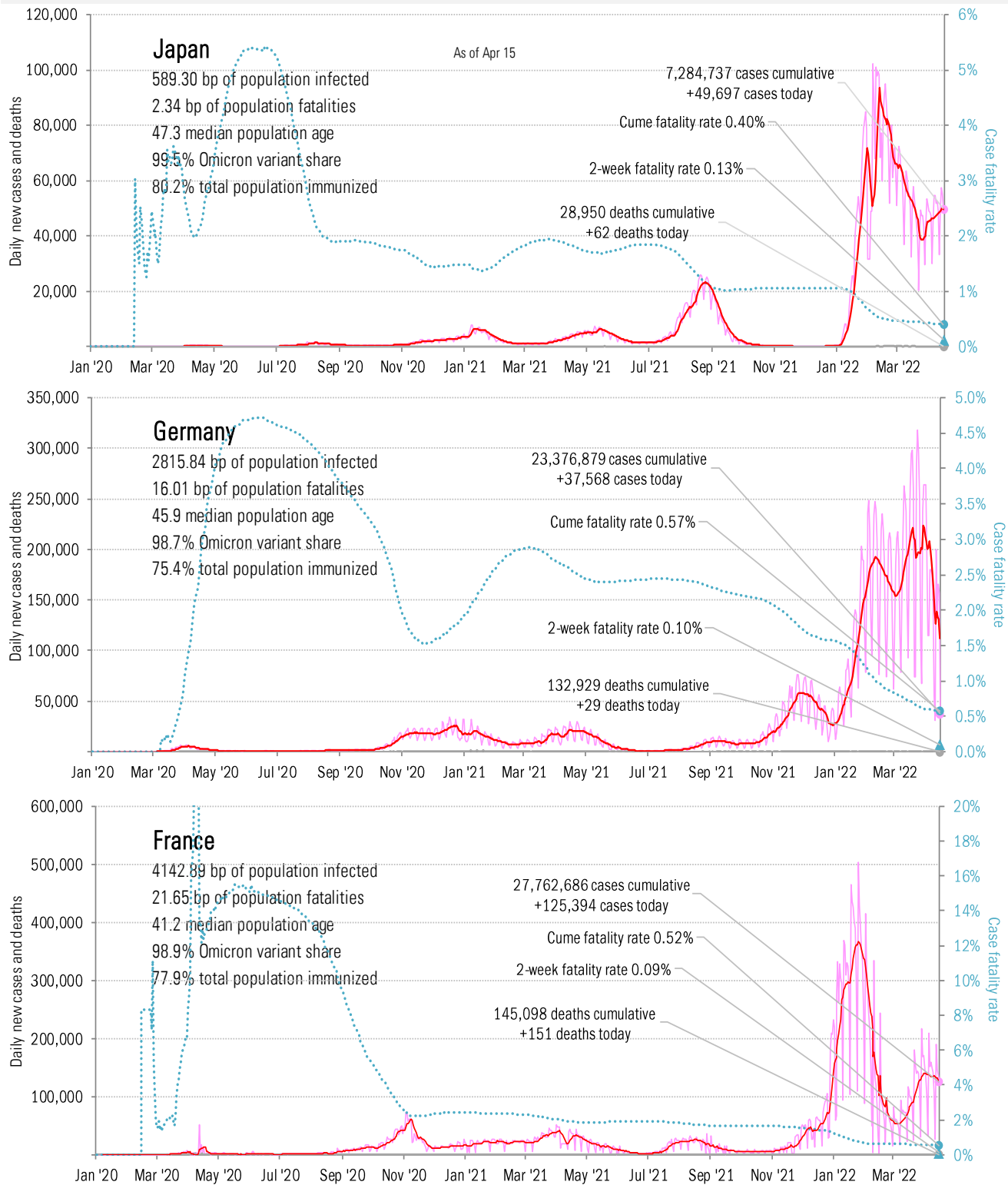
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

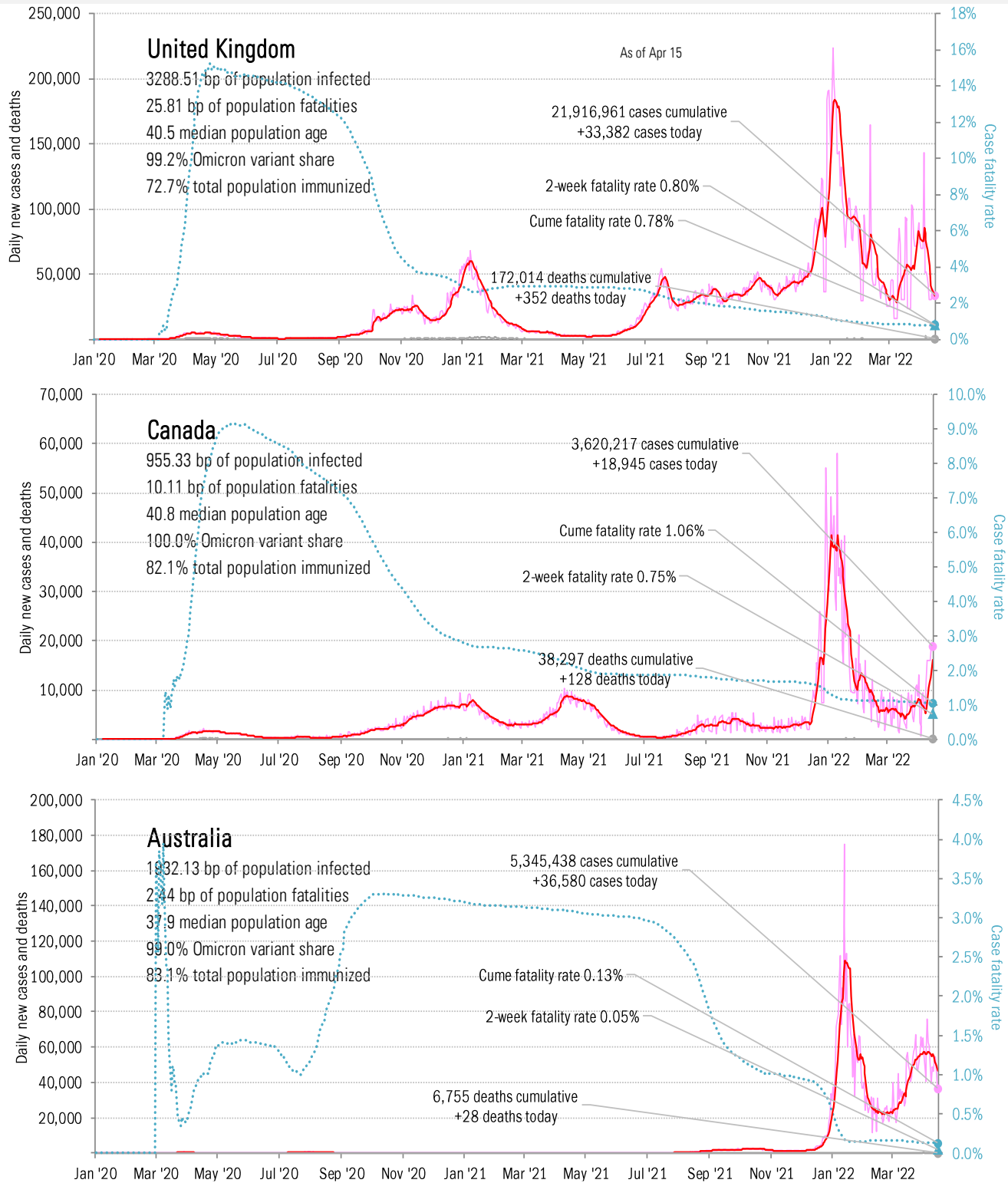
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

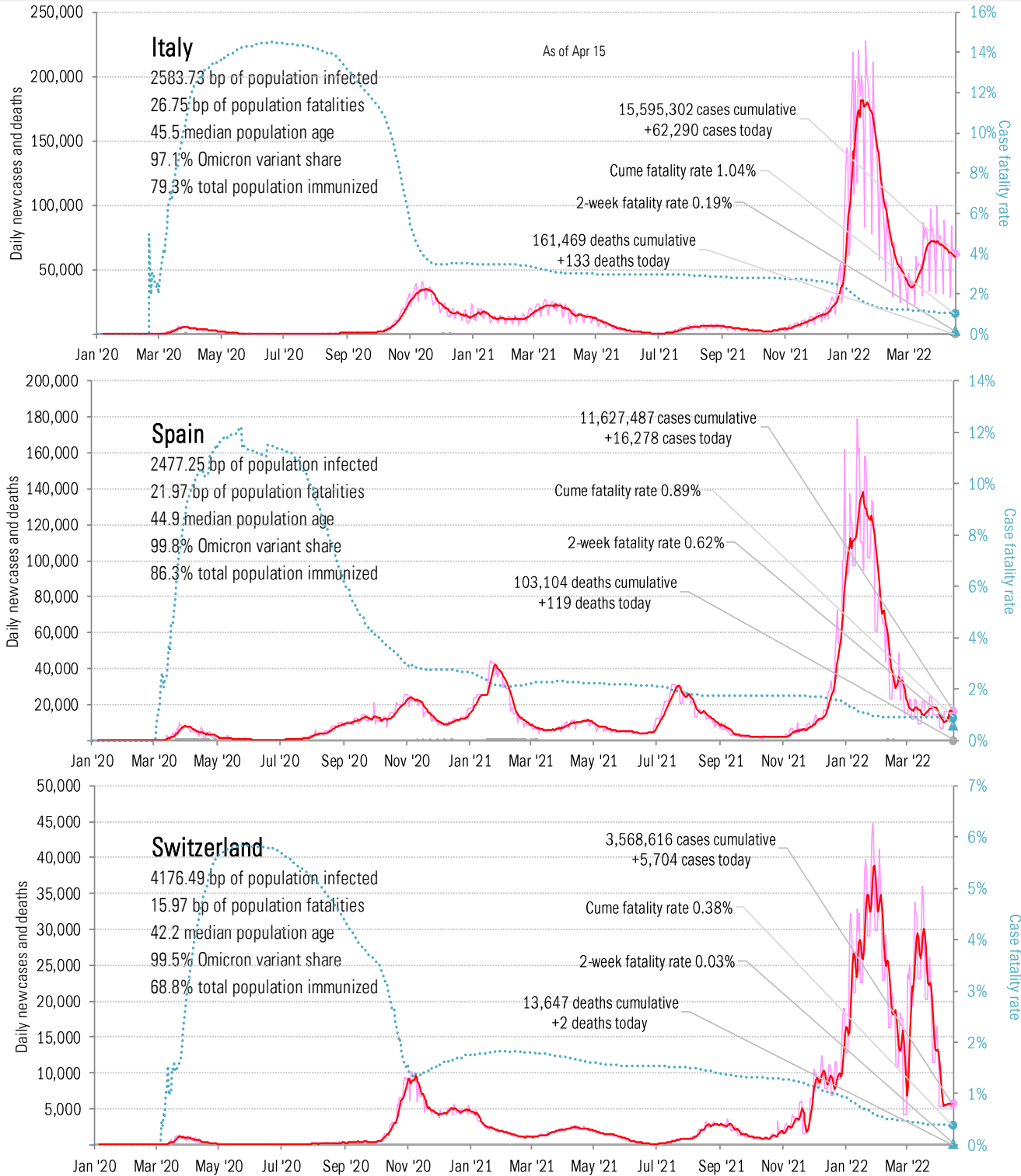


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

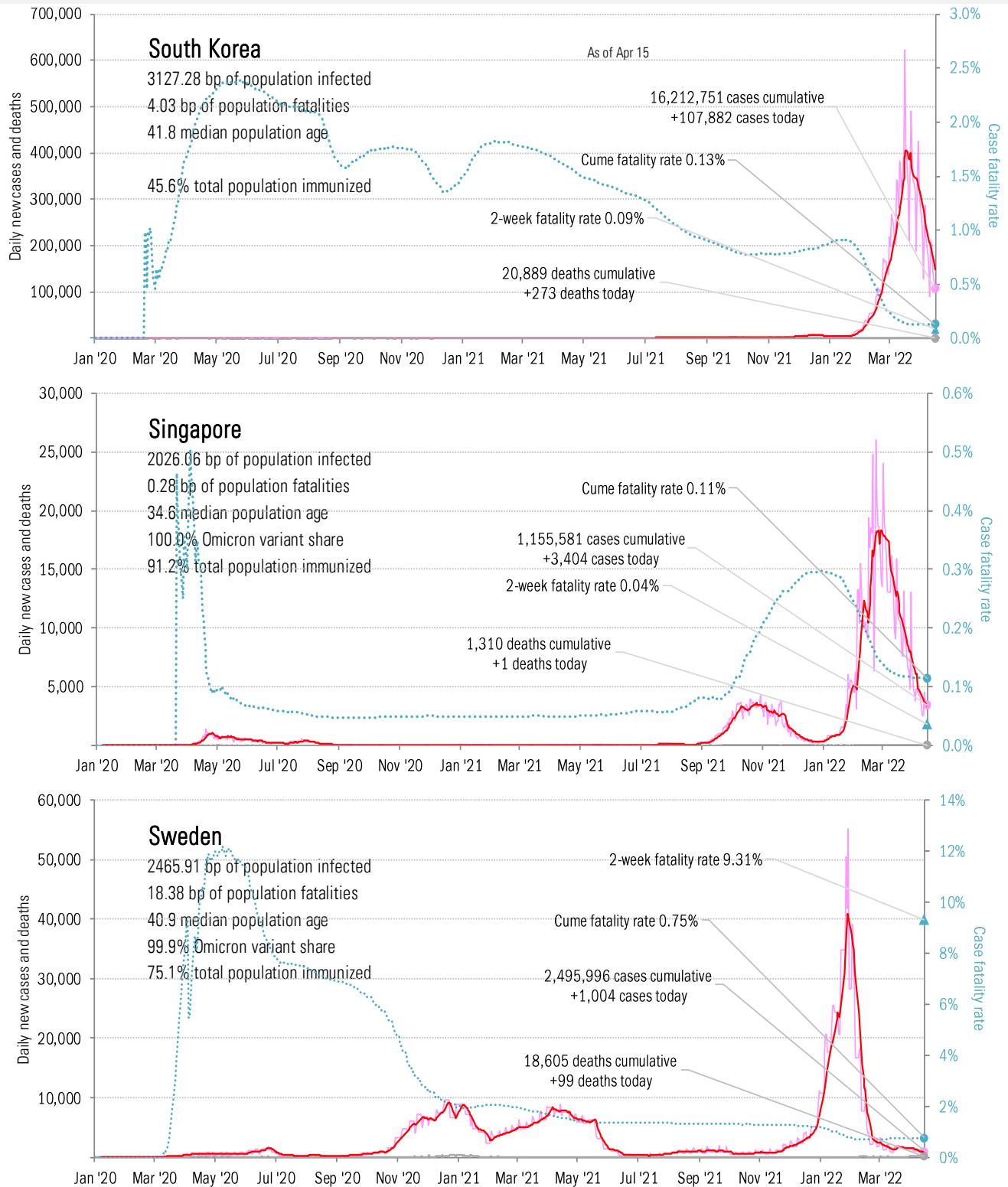
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

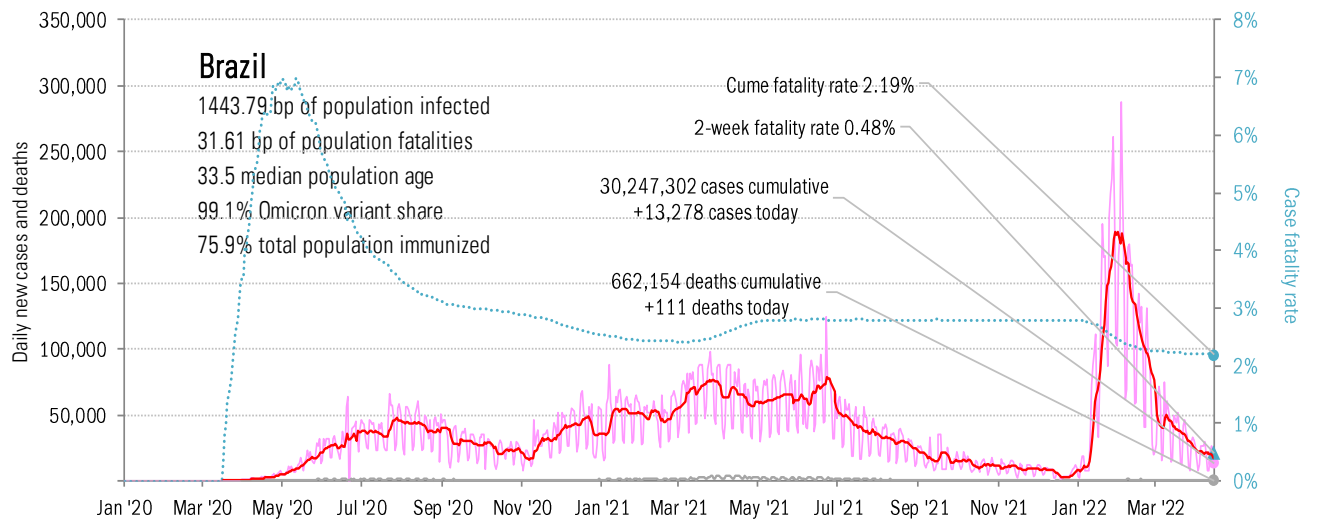
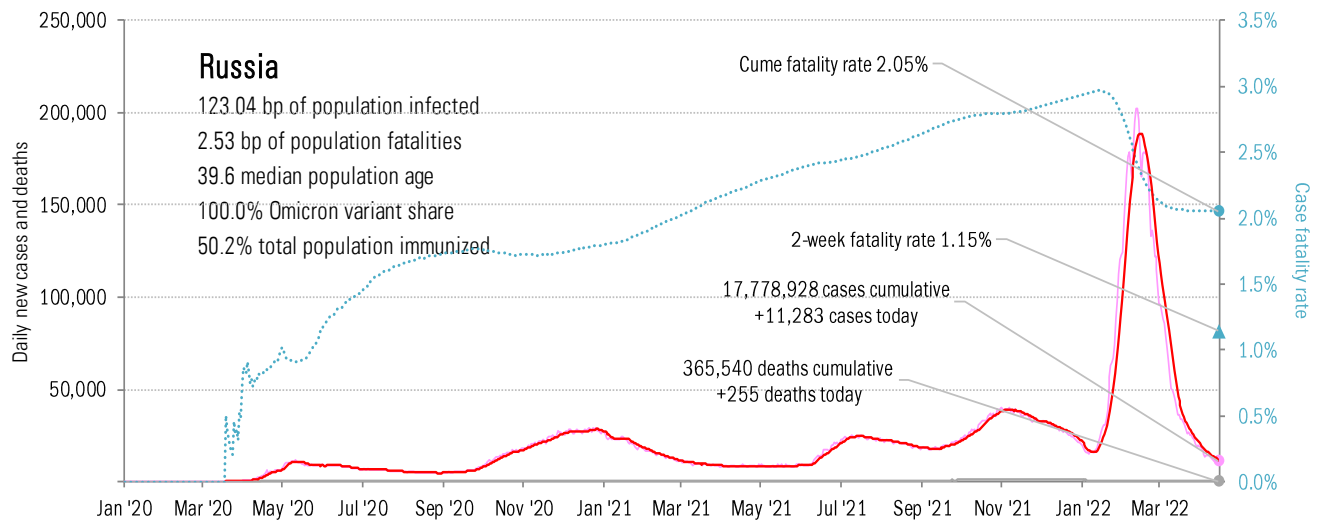
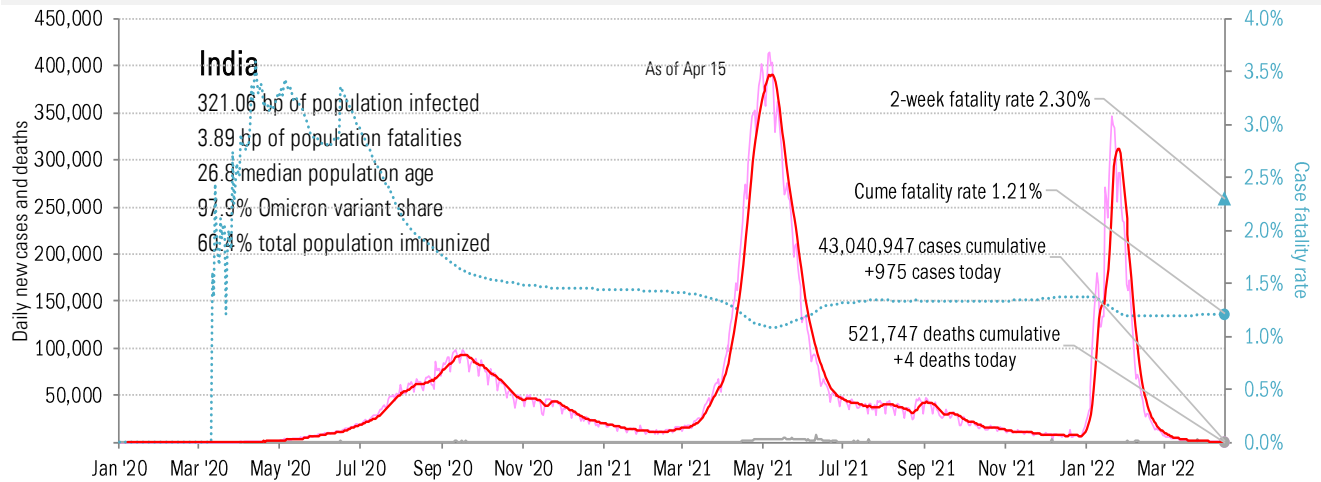
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

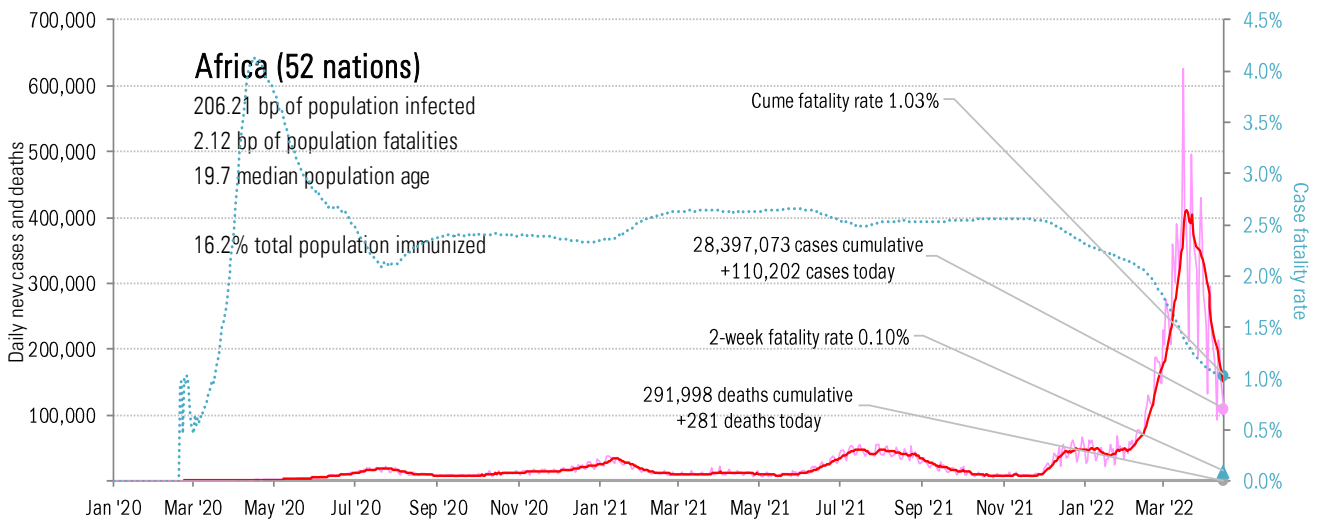
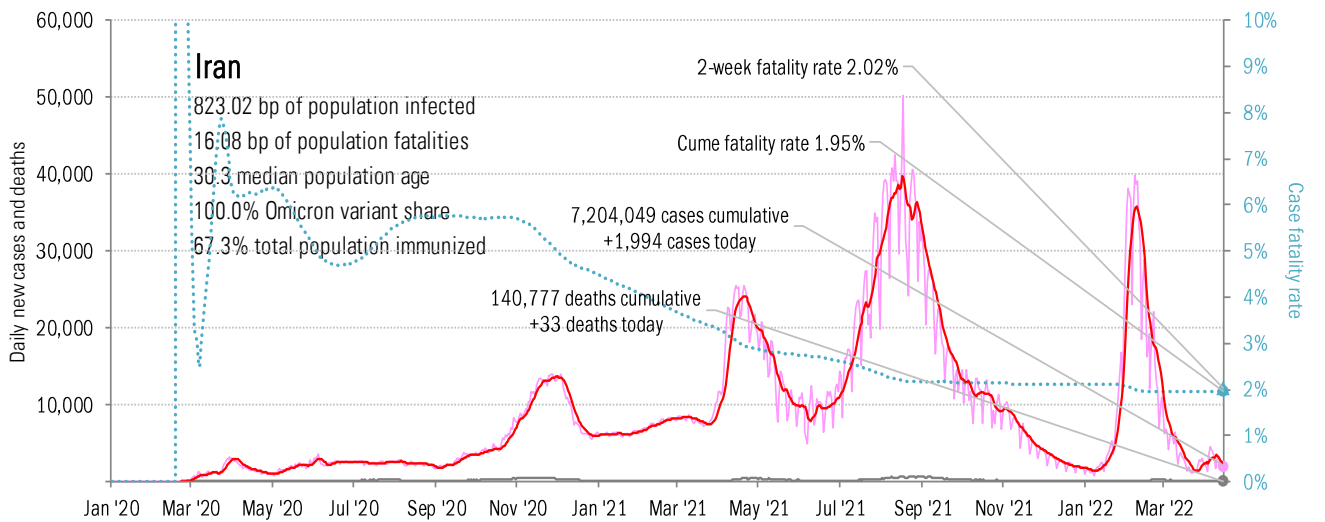
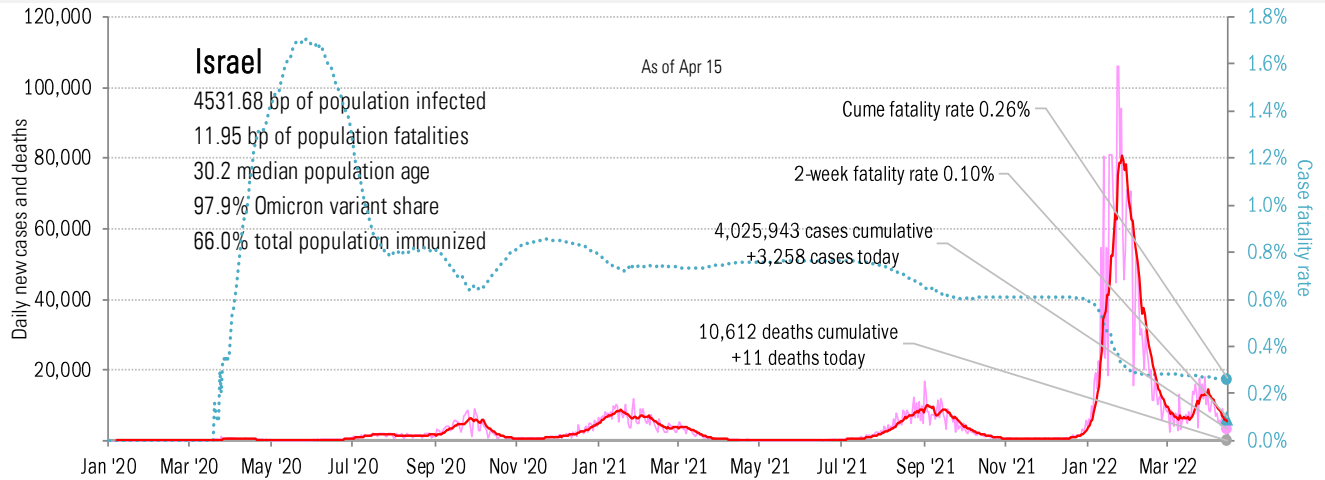
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

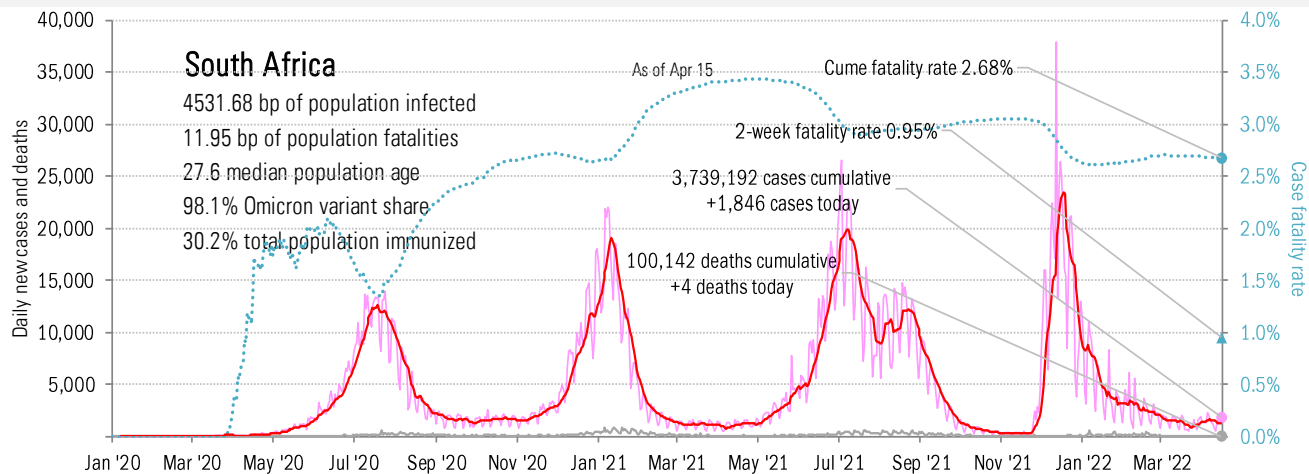
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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