

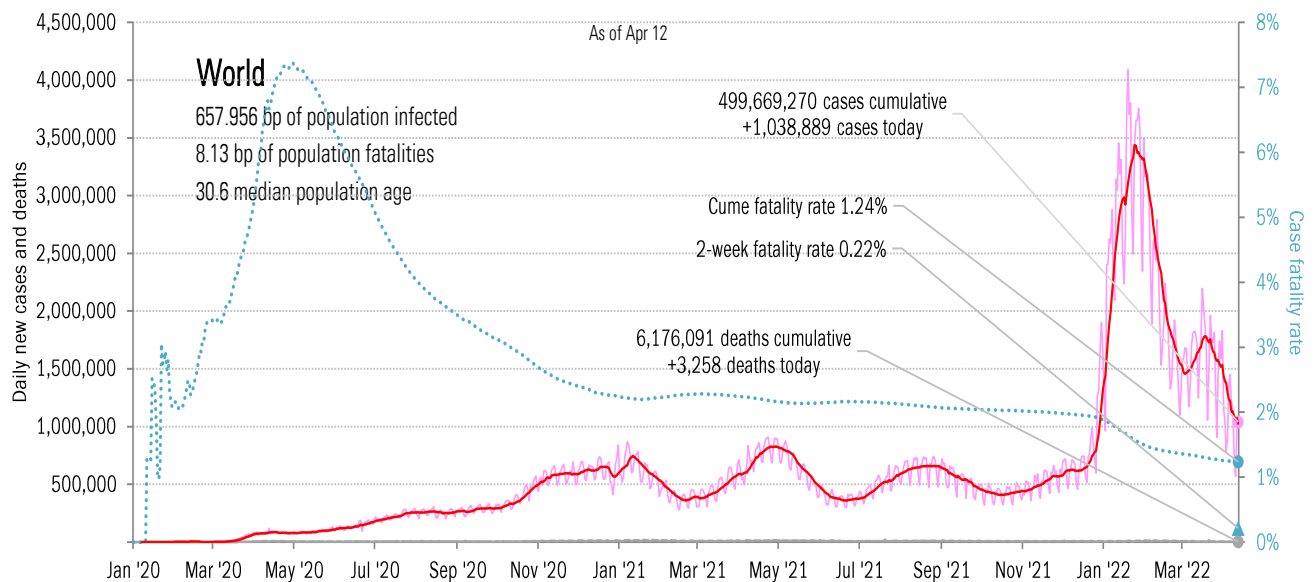
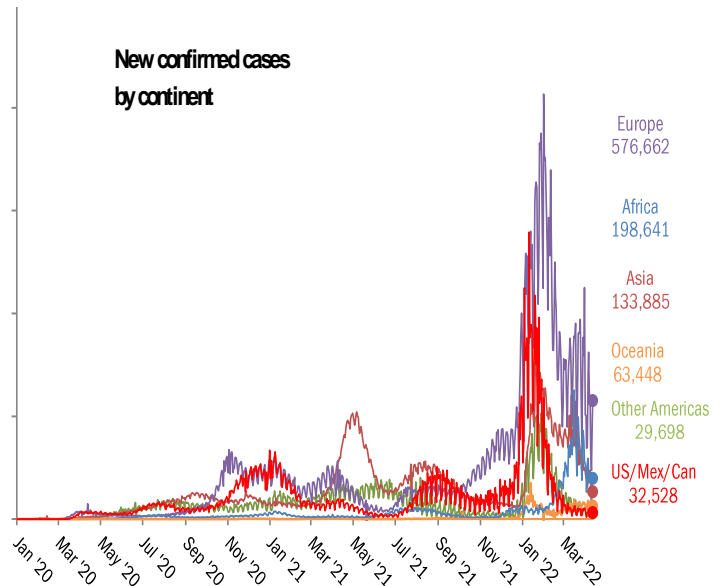
## Data Insights: Covid-2019 Monitor

Wednesday, April 13, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries				
	New cases		New Deaths	
	Korea, South	195,370	United States	579
	France	190,762	Germany	361
	Germany	138,651	United Kingdom	289
	Italy	84,056	Russia	273
	Australia	53,017	Korea, South	184
	Japan	49,680	Italy	169
	Switzerland	39,927	Brazil	165
	United Kingdom	38,583	France	159
	United States	31,880	Tunisia	84
	China	23,164	Mexico	78
	<b>845,090</b>		<b>2,341</b>	
	World	1,038,889	World	3,258
	Top ten	81%	Top ten	72%



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

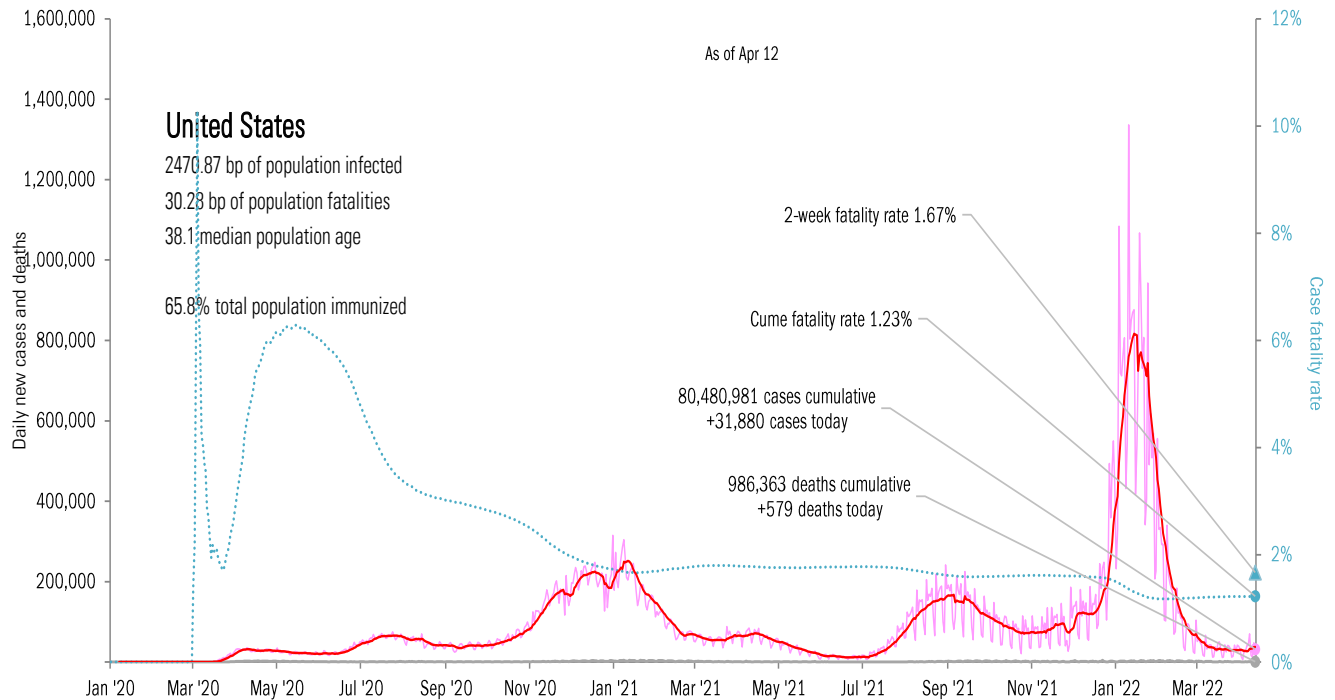
## The ten worst US states

New cases			New deaths		New in hospital		Curre cases			Curre deaths			Curre in hospital		Hospital use		ICU use			
NY	4,000		CR	84	NY	163	CA	9,136,621	CA	89,428	TX	488,333	WA	93%	RI	84%	TX	84%		
FL	3,050		AZ	59	AS	16	TX	6,790,949	TX	87,759	CA	424,100	MA	82%	NM	80%				
TX	2,946		SC	48	IN	28	FL	5,906,814	FL	73,717	FL	414,396	MN	80%	MS	79%				
MA	1,982		ME	47	KY	30	NY	5,048,098	NY	68,081	NY	246,672	MO	79%	MA	78%				
NJ	1,982		TX	42	MA	35	IL	3,086,665	PA	44,442	GA	206,955	PA	79%	AK	77%				
IL	1,761		AL	38	NH	13	PA	2,791,018	CH	38,166	CH	190,532	MD	78%	KY	77%				
DC	1,336		VA	34	TN	16	CH	2,676,629	GA	37,397	PA	175,989	DE	78%	AL	77%				
MN	1,334		GA	28	VT	8	NC	2,634,007	IL	35,922	IL	157,096	DC	77%	WA	76%				
PA	1,269		FL	25	NV	11	GA	2,504,760	MI	35,776	MI	141,170	WV	77%	NC	76%				
VA	1,203		CA	25	CR	19	MI	2,393,265	NJ	33,306	KY	132,874								
20,863			430		339		42,968,826			543,994			2,578,117							
All states	31,880		579		1,224		All states	80,480,981	986,363	4,681,497	All states	70%	67%							
Top ten	65%		74%		28%		Top ten	53%	55%	55%	Median	72%	69%							

Some states not reporting

## Five most improved US states

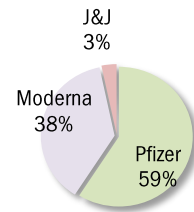
Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most pop immunity growth
CA -4,176	FL -111	CA -69	KY +10 bp
IL -2,707	CA -20	IL -58	ME +10 bp
MA -2,285	NJ -12	TX -43	NY +10 bp
NY -2,166	GA -9	AZ -34	AK +0 bp
CO -1,824	IN -9	NJ -22	AL +0 bp



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	581,639,076		+0.293 million	US	65.8%	77.2%
Boosters	100,182,292		+0.058 million	UK	72.7%	77.6%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	264,064,722	79%	224,779,405	67%	+0.045 million	France 77.9% 80.1%
Age 12 to 17	17,620,875	70%	15,037,904	59%	+0.003 million	Spain 86.2% 88.1%
Age 18 to 64	177,770,930	87%	150,822,763	74%	+0.023 million	Germany 75.4% 75.9%
Age 65 and over	58,522,332	100%	50,773,276	93%	+0.015 million	Italy 79.3% 84.1%



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

Israel	66.0%	72.2%
Canada	82.0%	86.6%
Japan	80.1%	81.6%
Africa	15.4%	20.5%
India	60.3%	71.5%
Brazil	75.8%	85.0%
China	86.2%	88.6%

Global data differs due to sources, timing

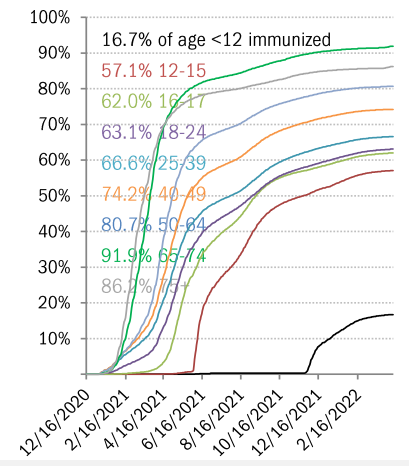
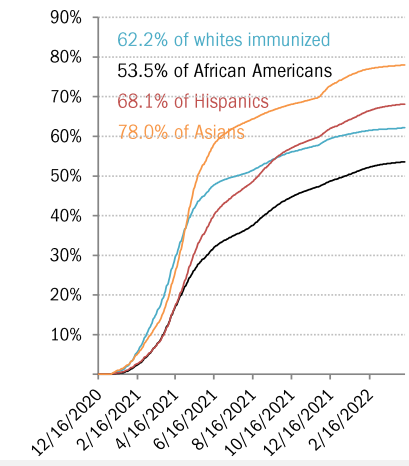
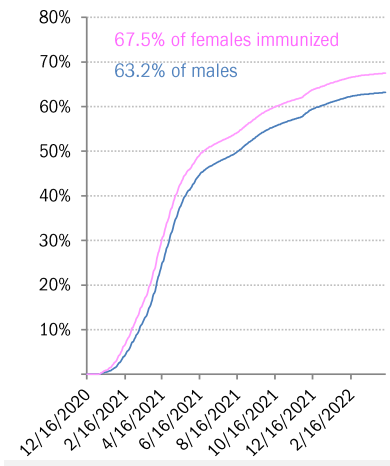
AK	69.5%
	61.9%

\*Immunity\* = two doses

As of Apr 12

					WI					ME
					71.6%					89.9%
					65.2%					79.1%
WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
80.5%	60.9%	65.0%	64.7%	74.8%	76.5%	66.8%		89.8%	93.2%	90.6%
72.3%	53.8%	56.5%	54.7%	68.9%	68.4%	59.9%		76.5%	80.8%	69.8%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
77.6%	74.9%	58.6%	76.0%	67.7%	61.2%	63.4%	84.3%	90.0%	95.0%	
69.3%	60.5%	51.3%	60.9%	61.7%	54.6%	58.2%	67.9%	75.2%	78.5%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.9%	71.9%	79.0%	70.0%	65.9%	65.9%	64.8%	85.3%	86.5%	95.0%	95.0%
71.5%	64.0%	69.9%	63.3%	55.8%	57.2%	57.4%	72.8%	75.8%	78.7%	82.0%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	72.5%	87.1%	74.2%	66.4%	61.9%	83.6%	67.2%	95.0%	82.6%	
	61.1%	70.6%	61.0%	54.1%	54.2%	60.4%	56.6%	73.4%	68.6%	
			OK	LA	MS	AL	GA			
			70.7%	60.8%	59.4%	62.4%	65.1%			
			56.9%	53.3%	51.6%	50.8%	54.4%			
			TX					FL		PR
			72.6%					78.9%		94.7%
			61.1%					66.6%		82.7%

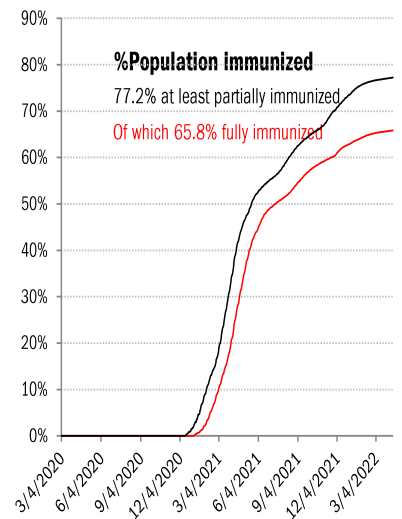
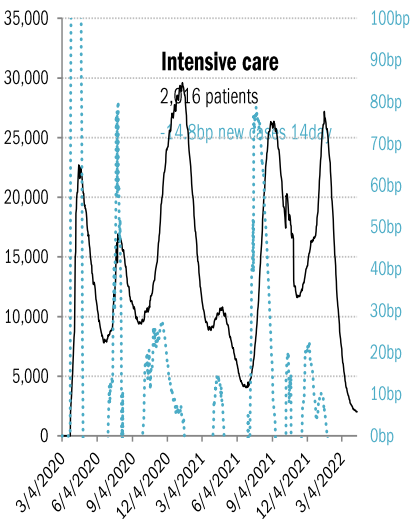
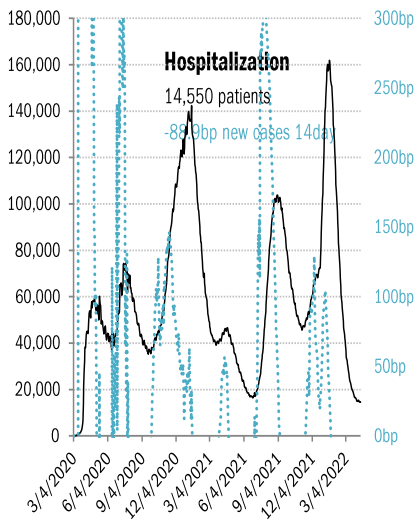
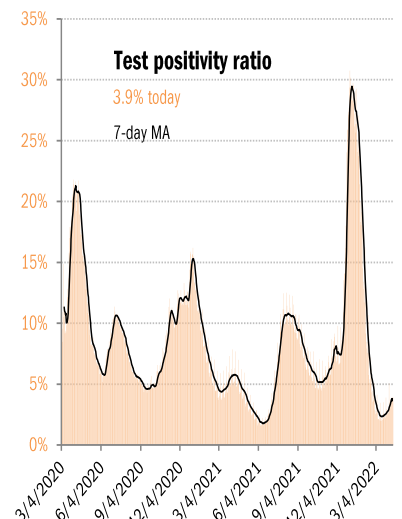
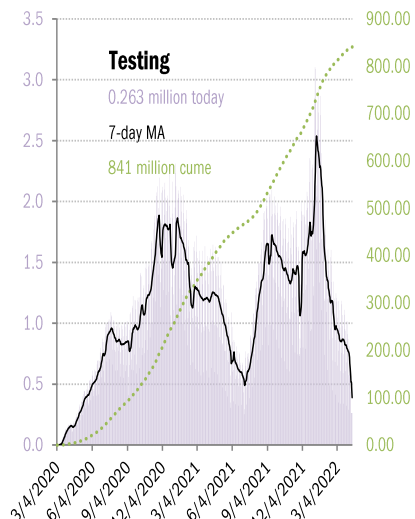
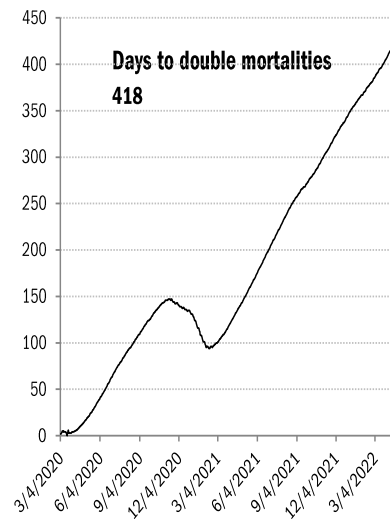
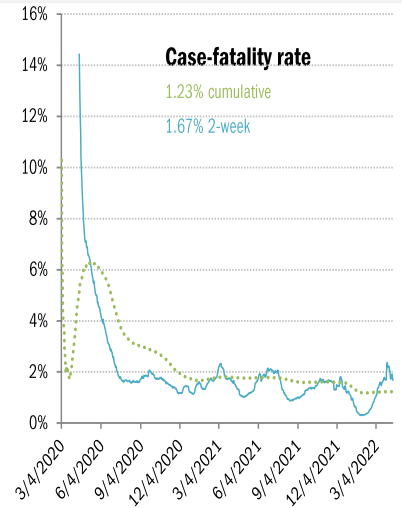
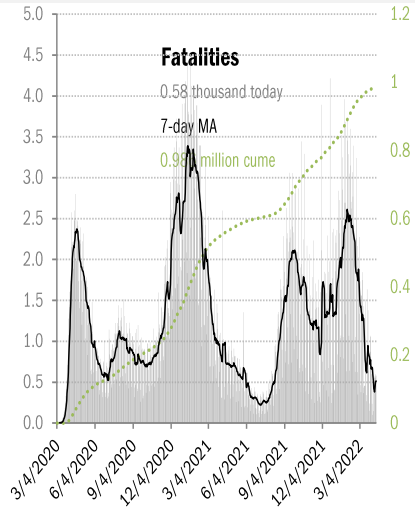
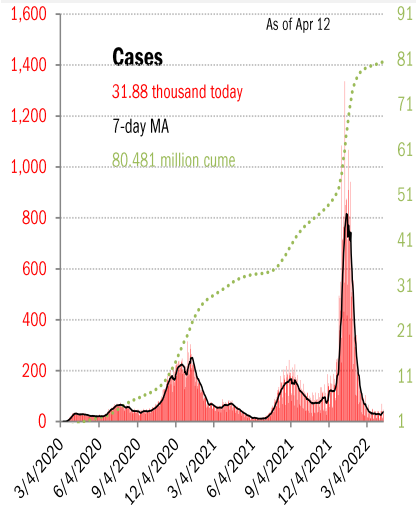
## The demographics of US vaccination



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

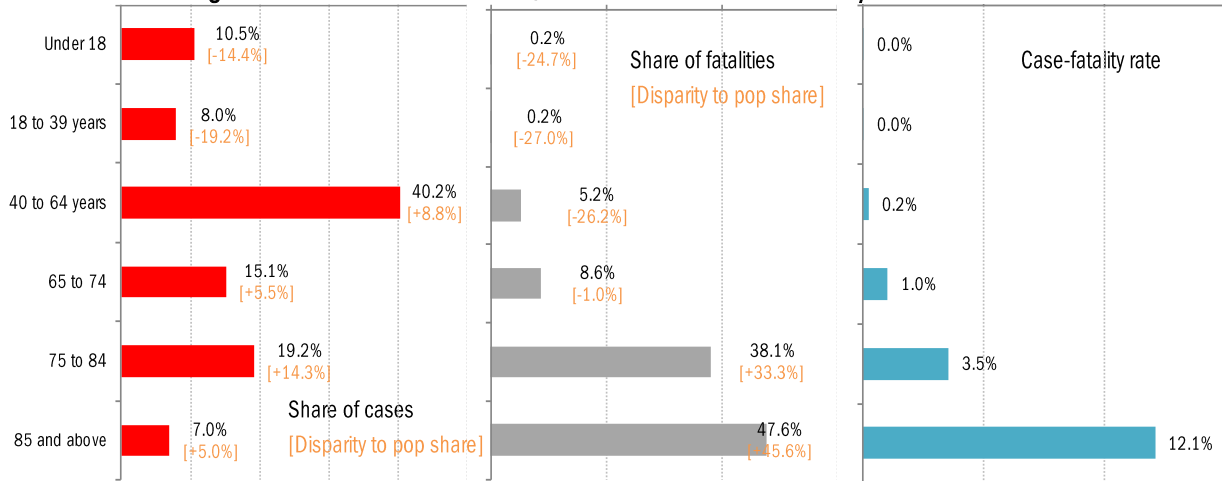
# US deep-dive

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

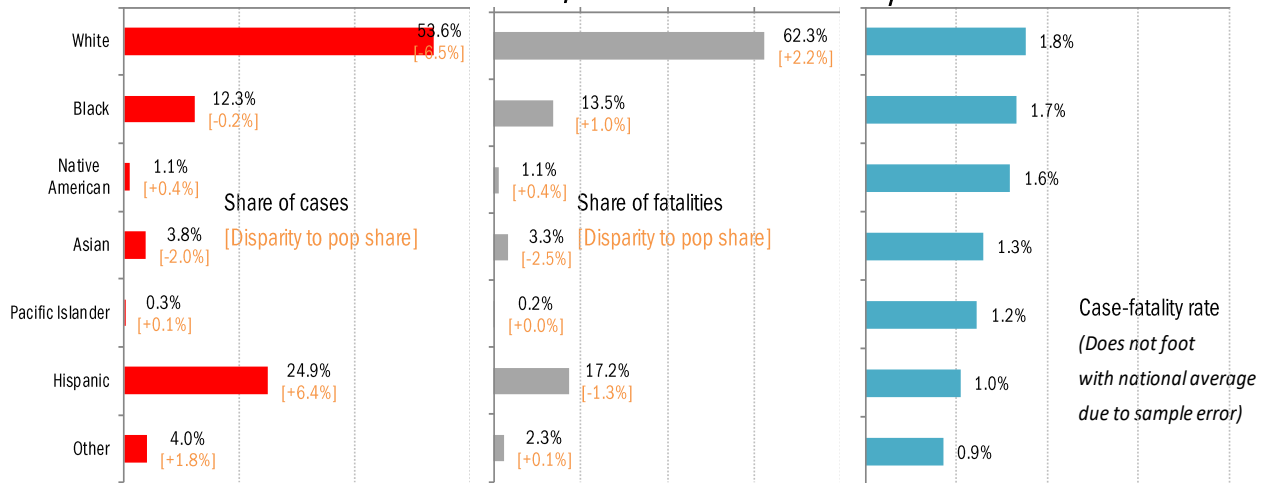


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

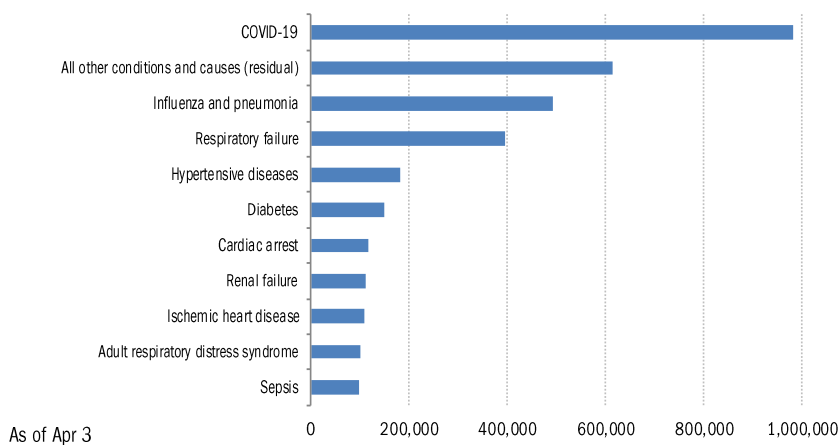


**Racial distribution of US cases, fatalities and case-fatality rates**



**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.

## Recommended reading

[Gilbert Gottfried, Comedian With a Distinctive Voice, Dies at 67](#)

Clay Risen and Peter Keepnews  
*New York Times*  
April 12, 2022

['Everyone is starving': Shanghai close to 'civil unrest' under strict COVID lockdown regime](#)

Tom Cheshire  
*MSN*  
April 11, 2022

[Shanghai's Zero-Covid Lockdown](#)

*Wall Street Journal*  
April 12, 2022

[Chinese Stockpile Food as Covid-19 Concerns Ripple Out From Shanghai](#)

Rachel Liang  
*Wall Street Journal*  
April 12, 2022

[What Climate Change Has in Common With Covid](#)

Tomas J. Philipson  
*Wall Street Journal*  
April 12, 2022

## Meme of the day

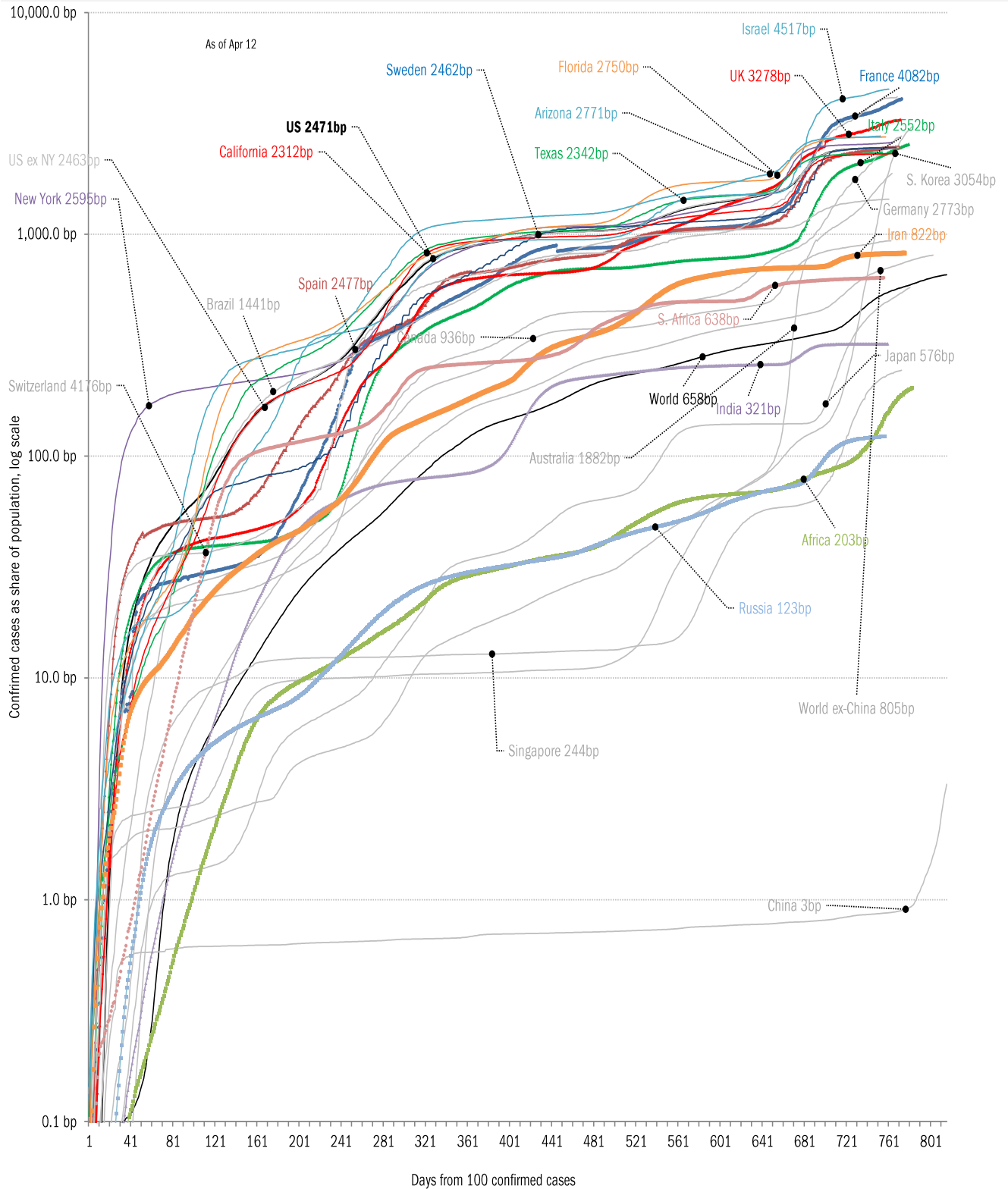


**We are heartbroken to announce the passing of our beloved Gilbert Gottfried after a long illness. In addition to being the most iconic voice in comedy, Gilbert was a wonderful husband, brother, friend and father to his two young children. Although today is a sad day for all of us, please keep laughing as loud as possible in Gilbert's honor.**

**Love, the Gottfried family**

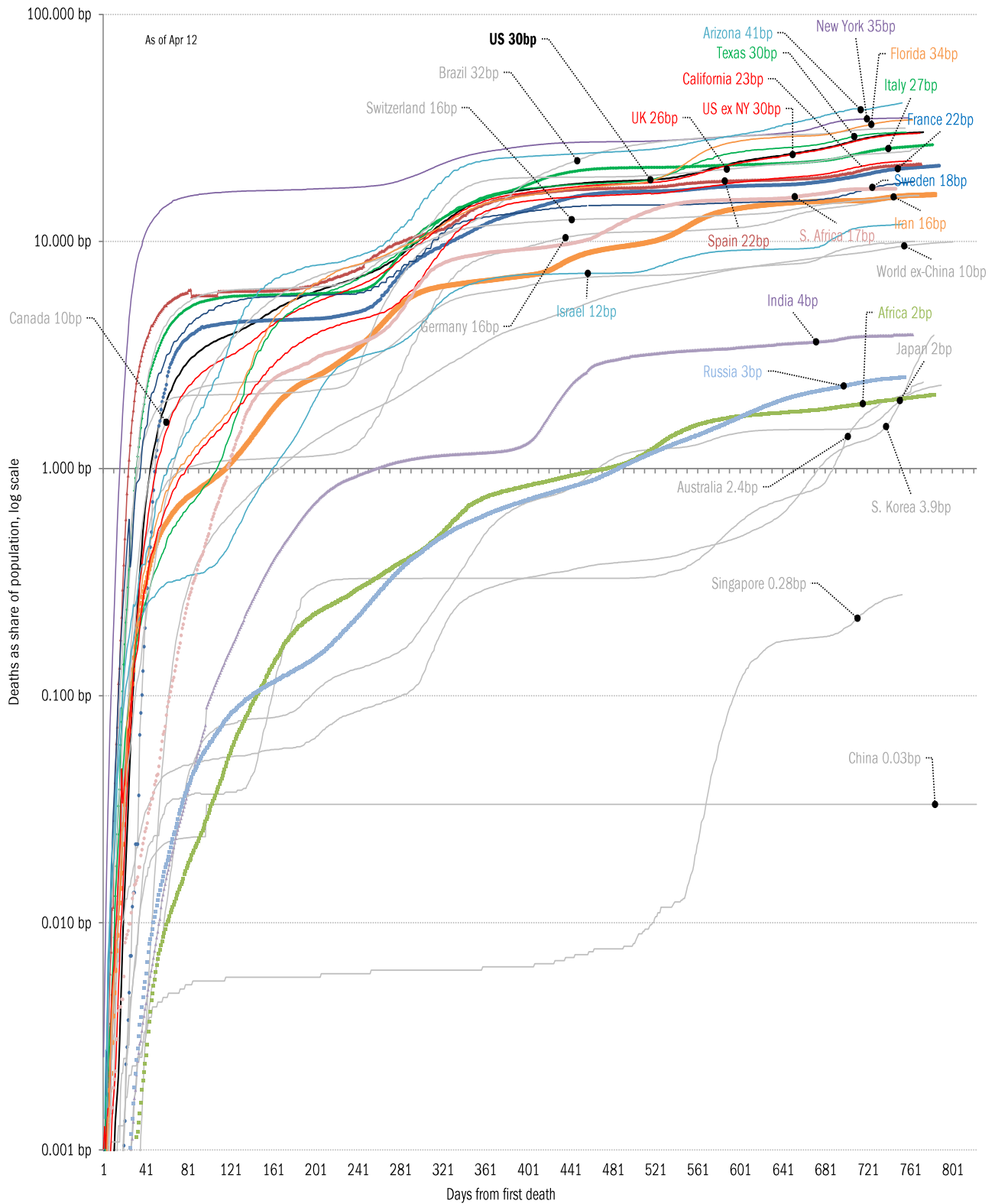
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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*



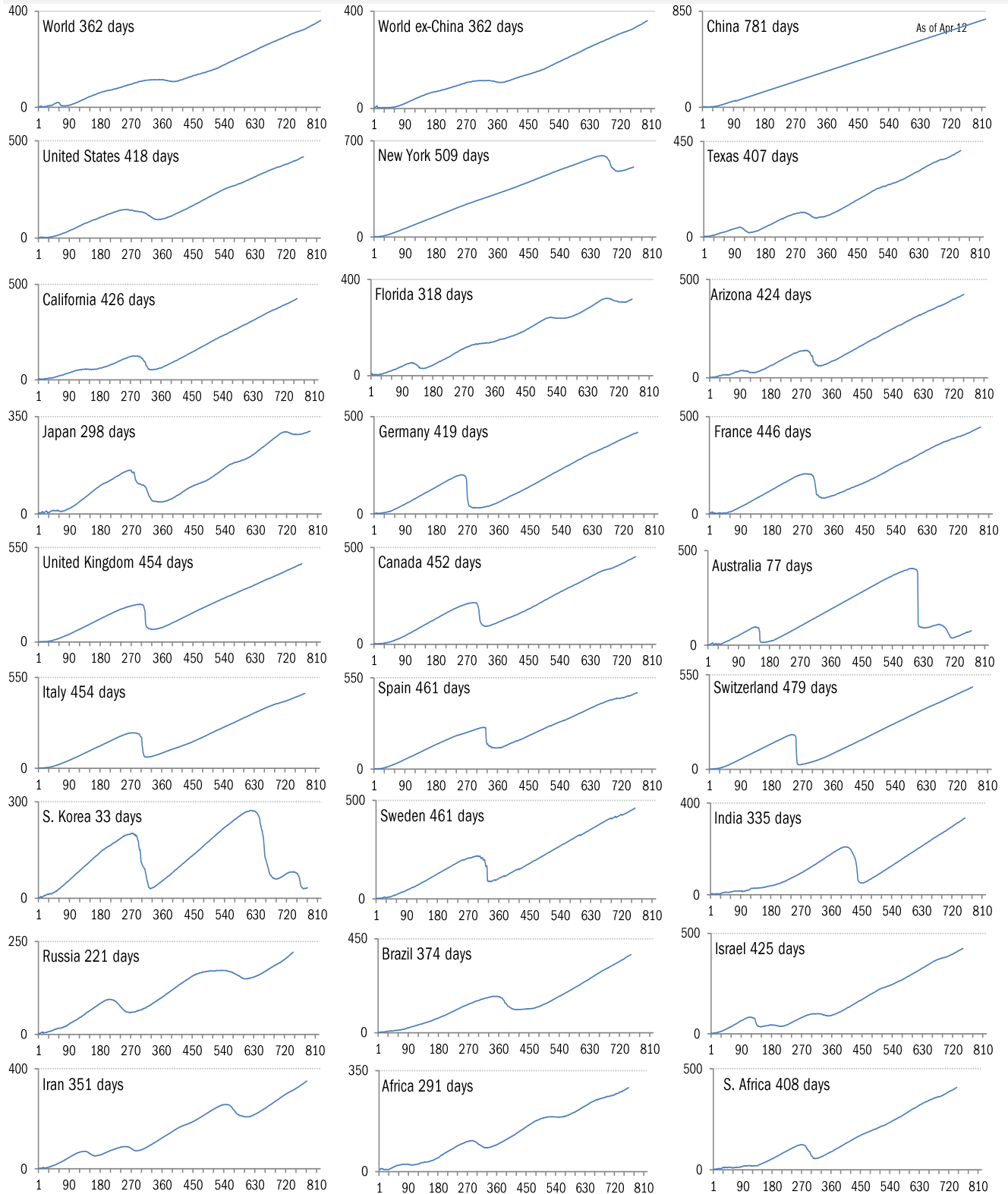
Source: [Johns Hopkins](#), TrendMacro calculations



# "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

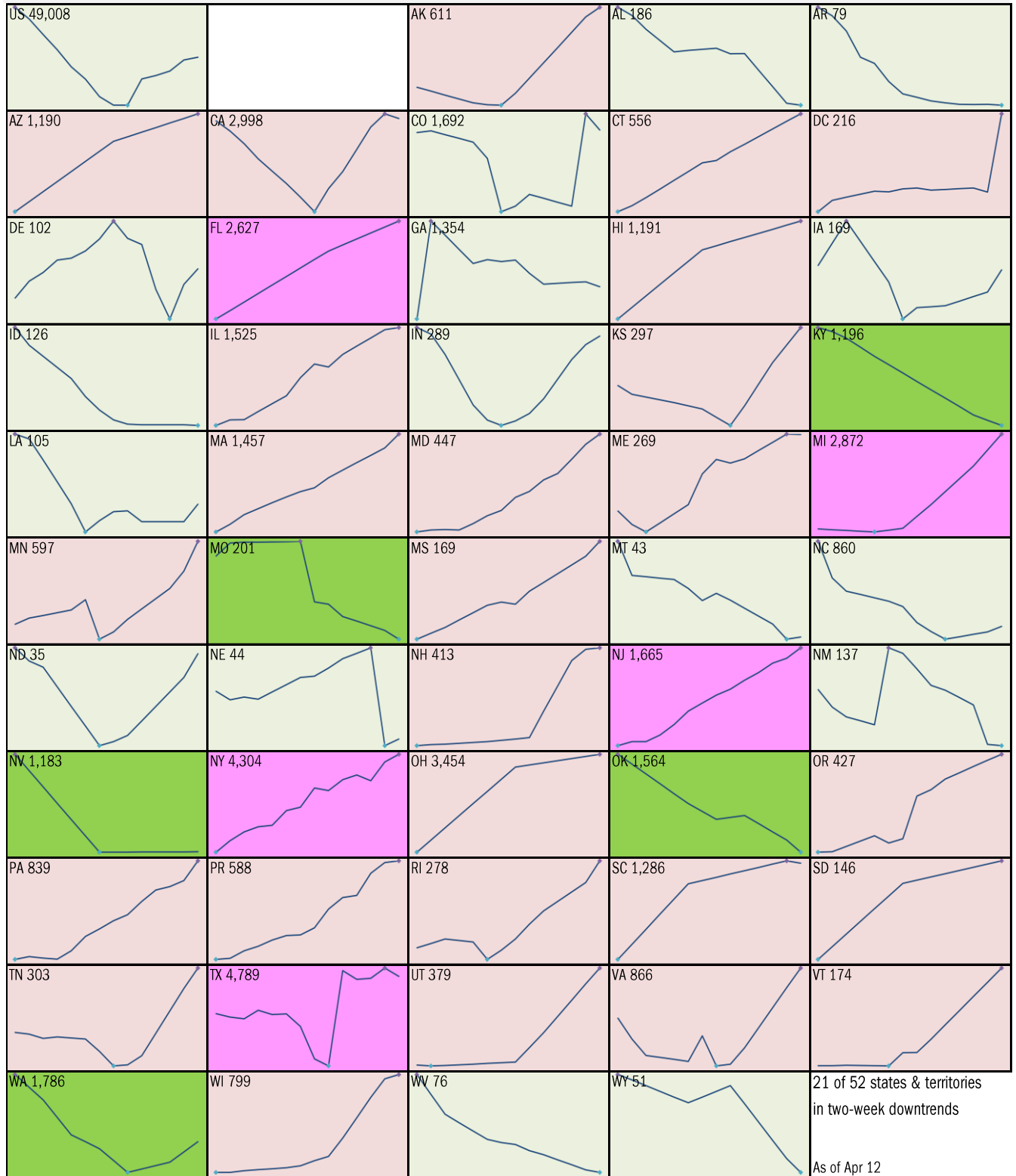


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 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

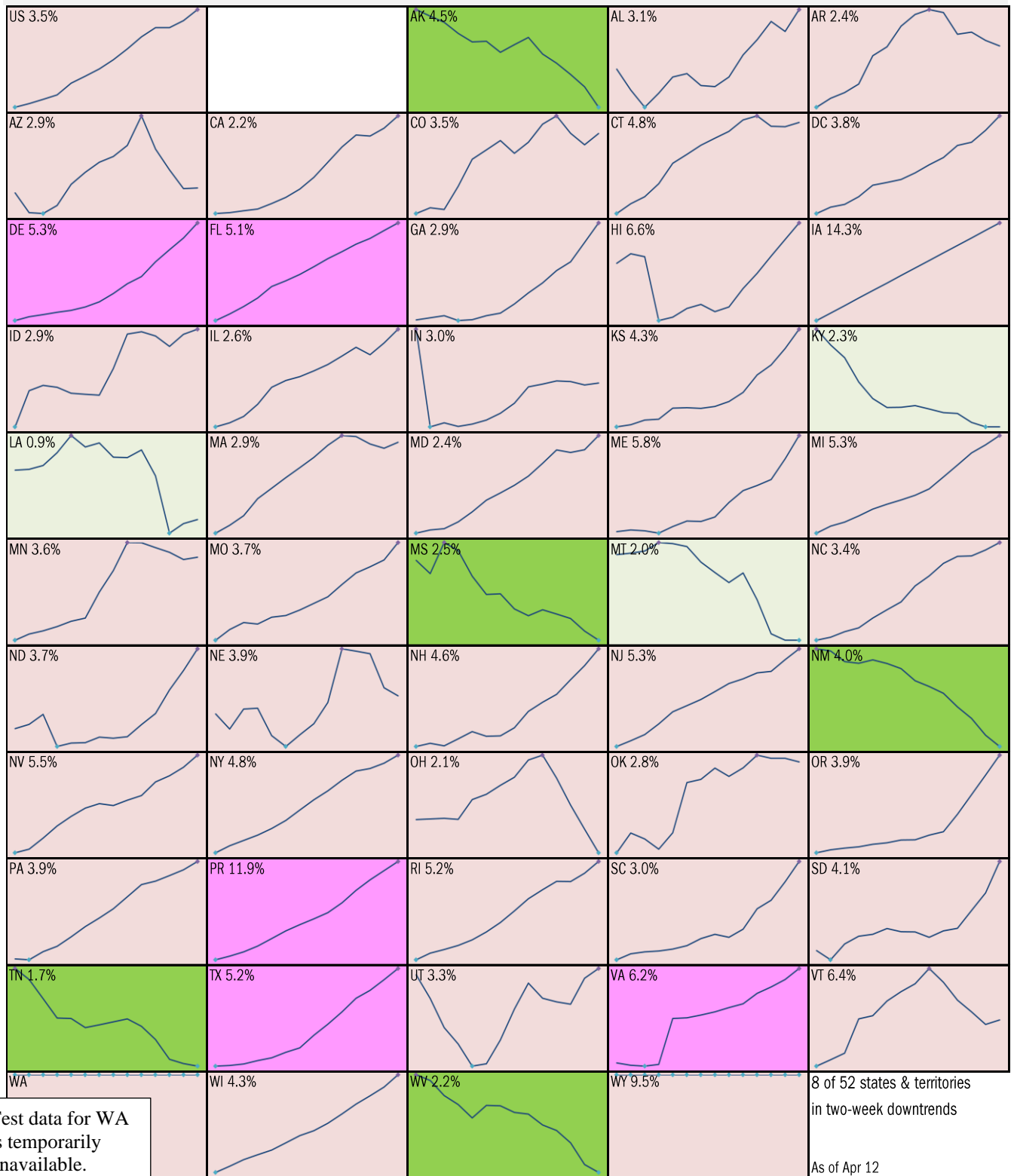


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

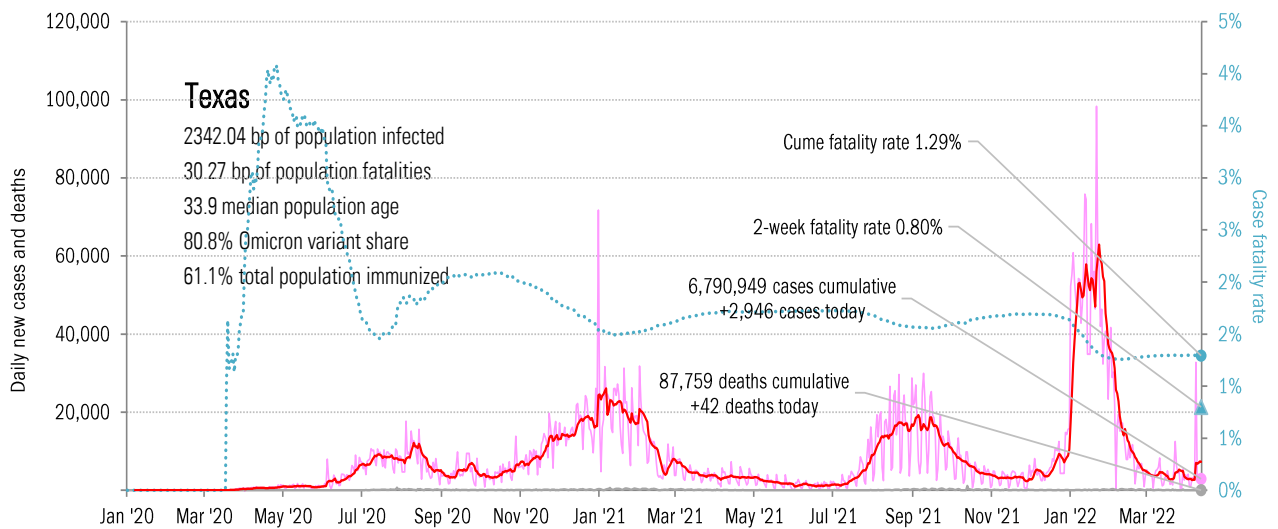
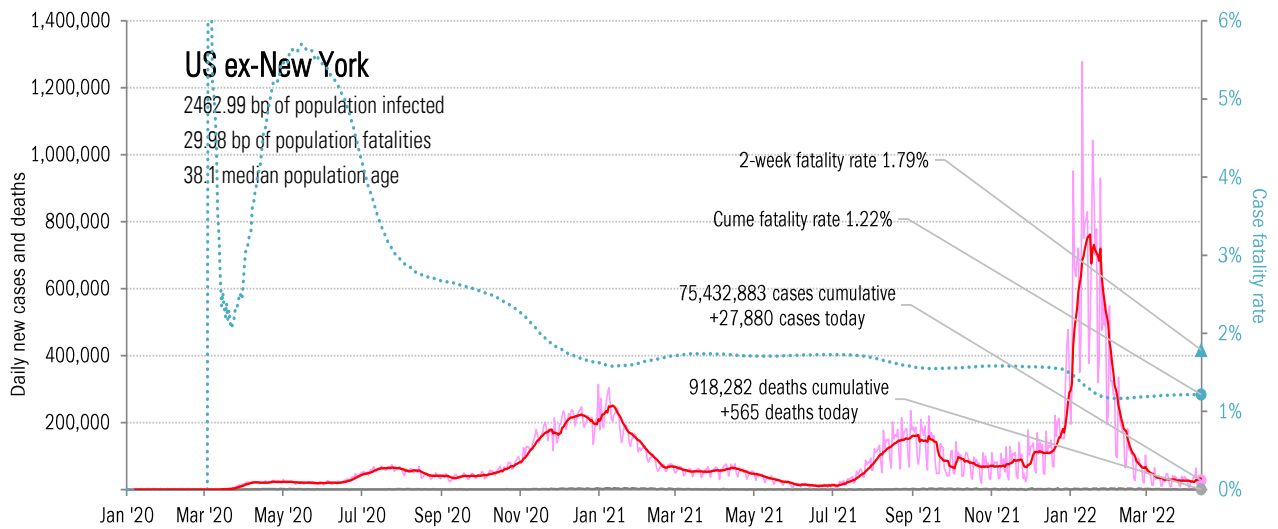
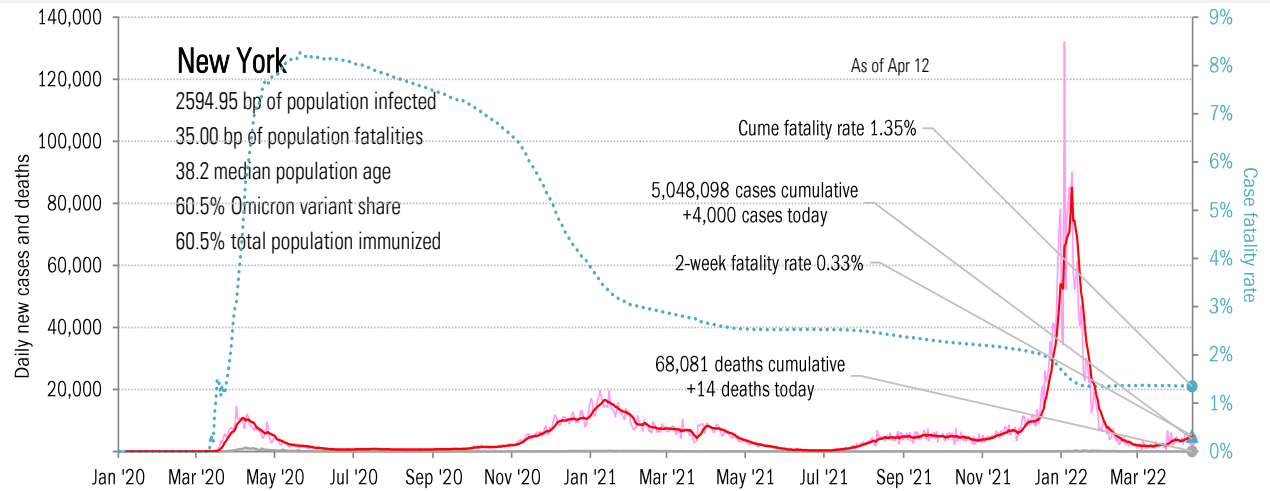


Test data for WA is temporarily unavailable.

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

# From Ground Zero to the Rio Grande

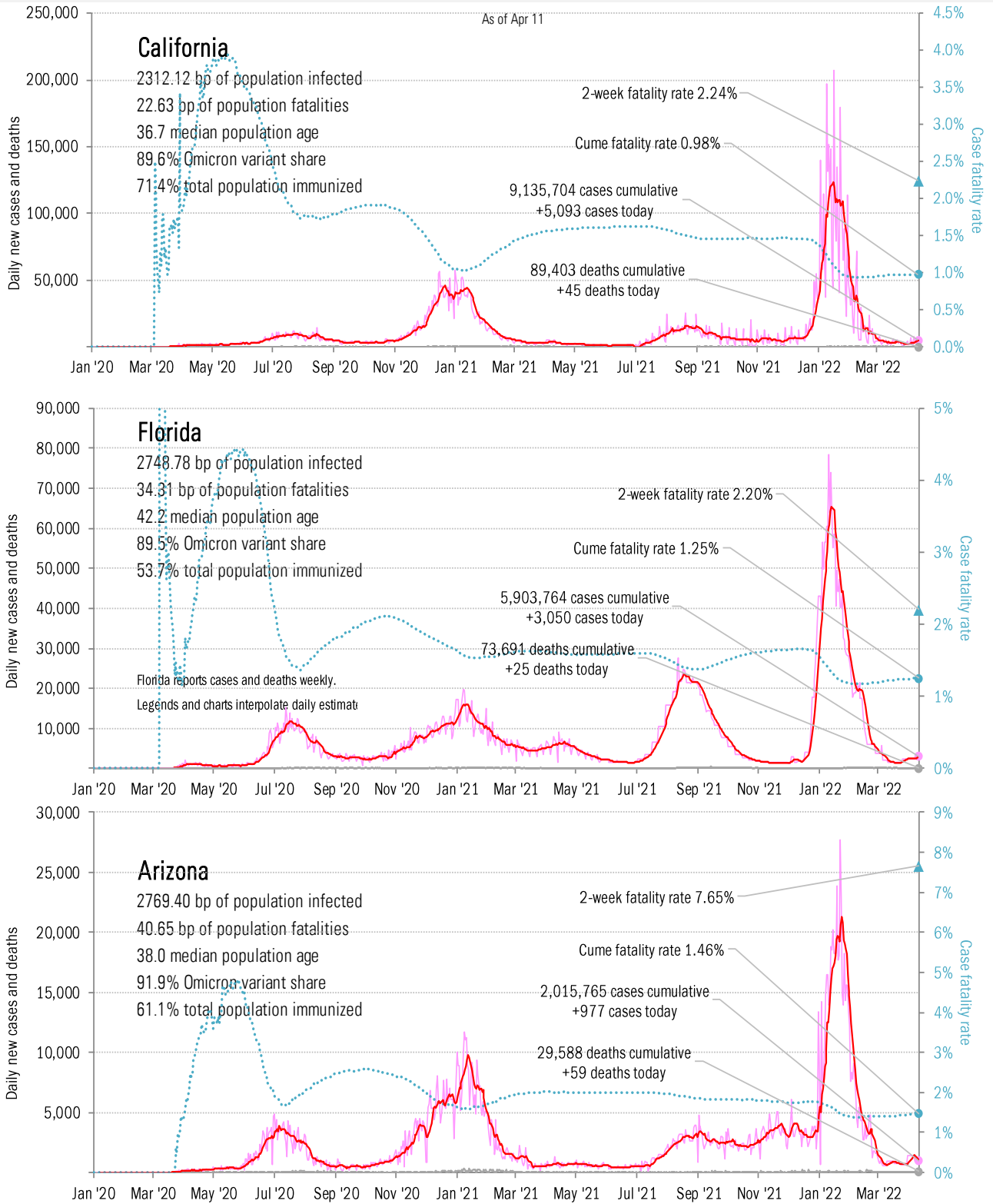
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

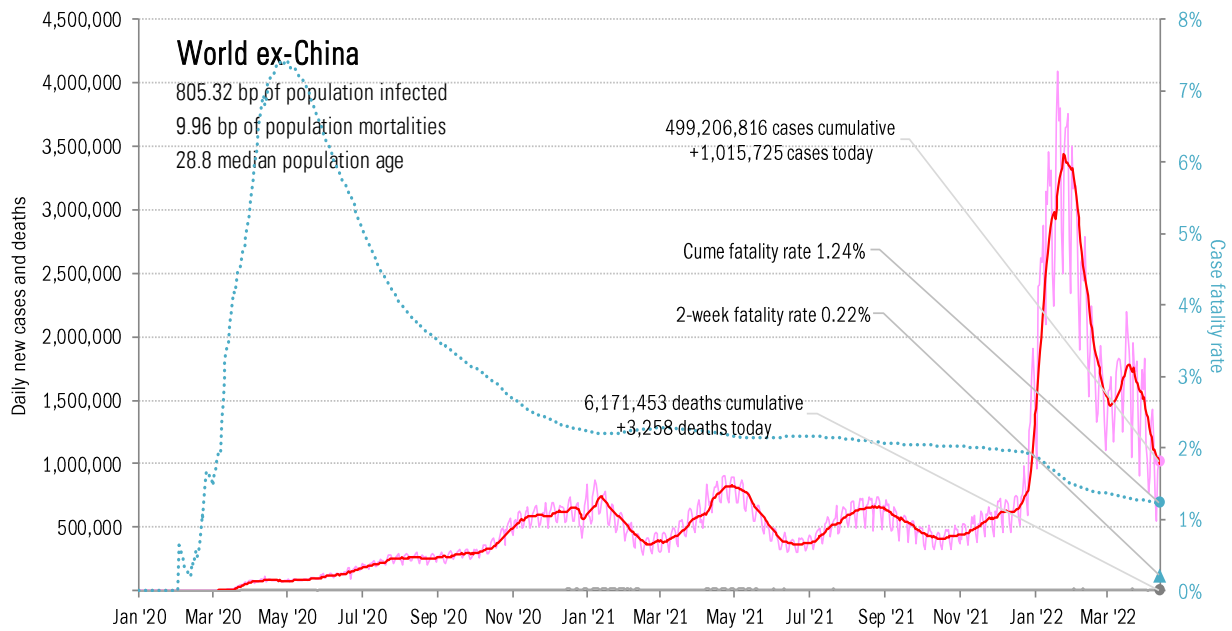
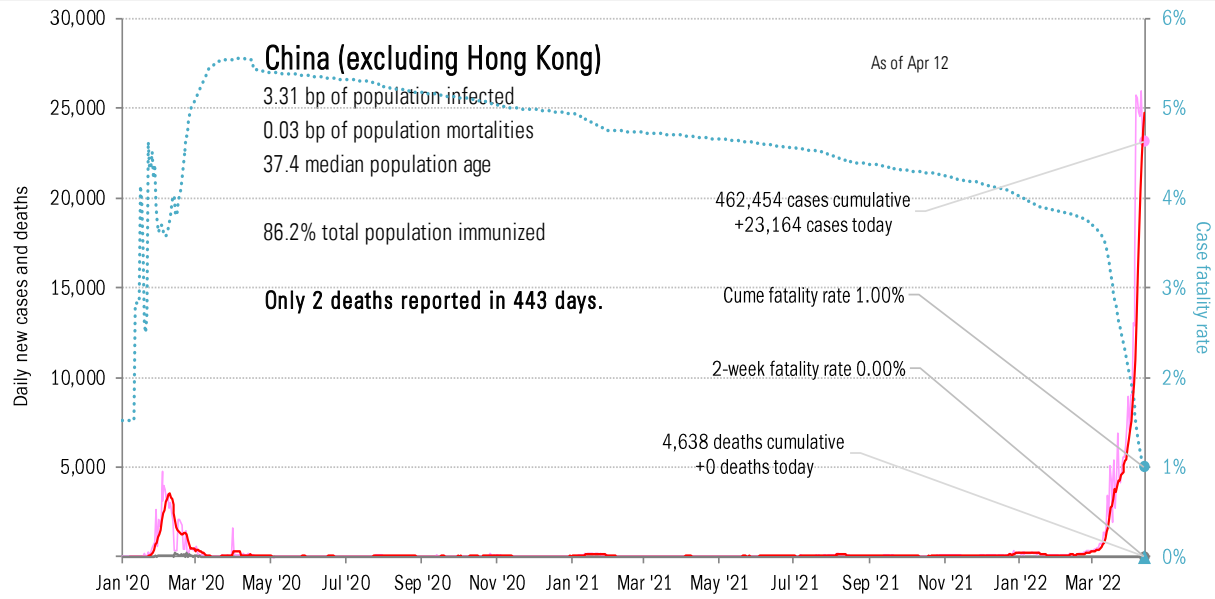
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

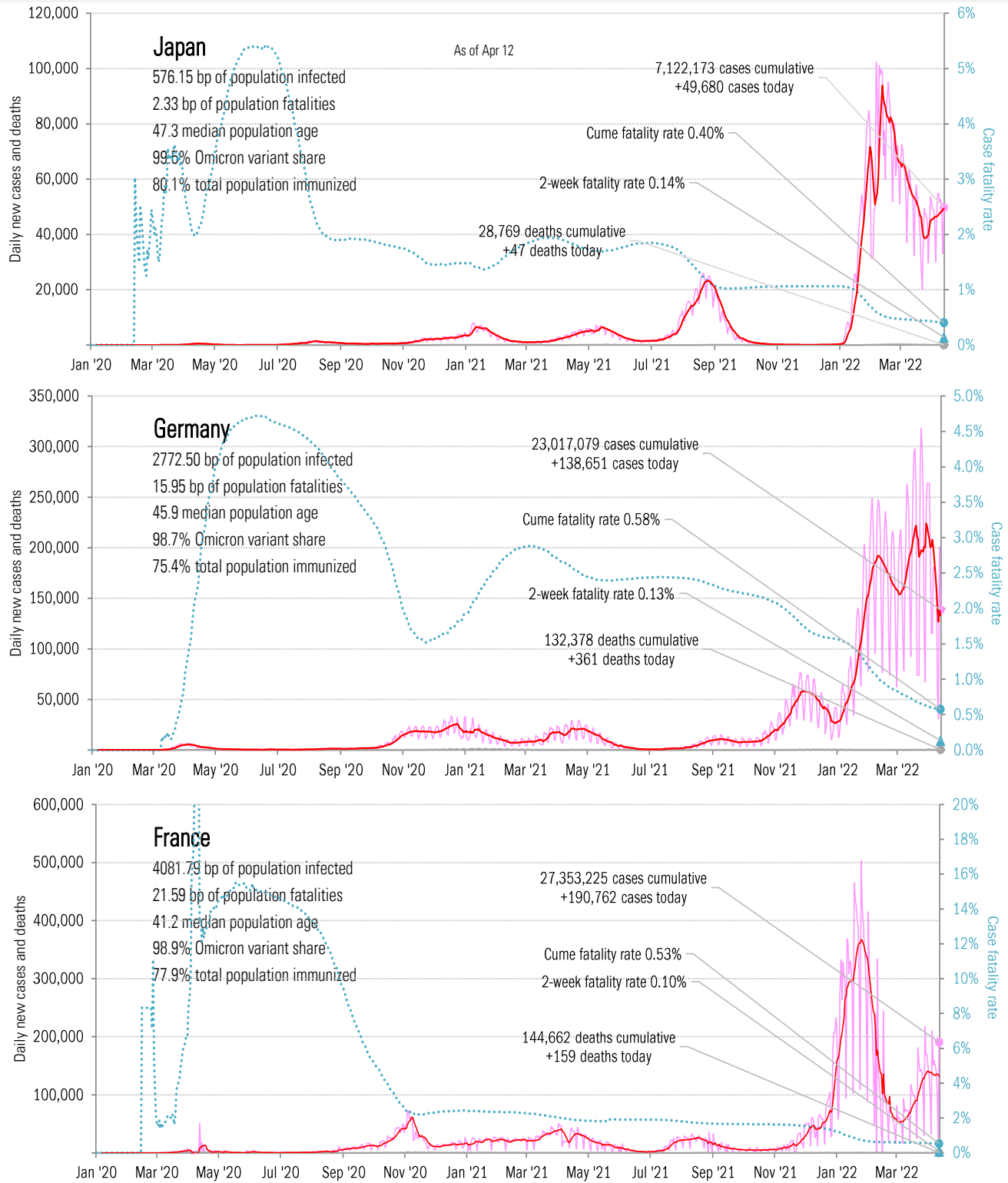
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

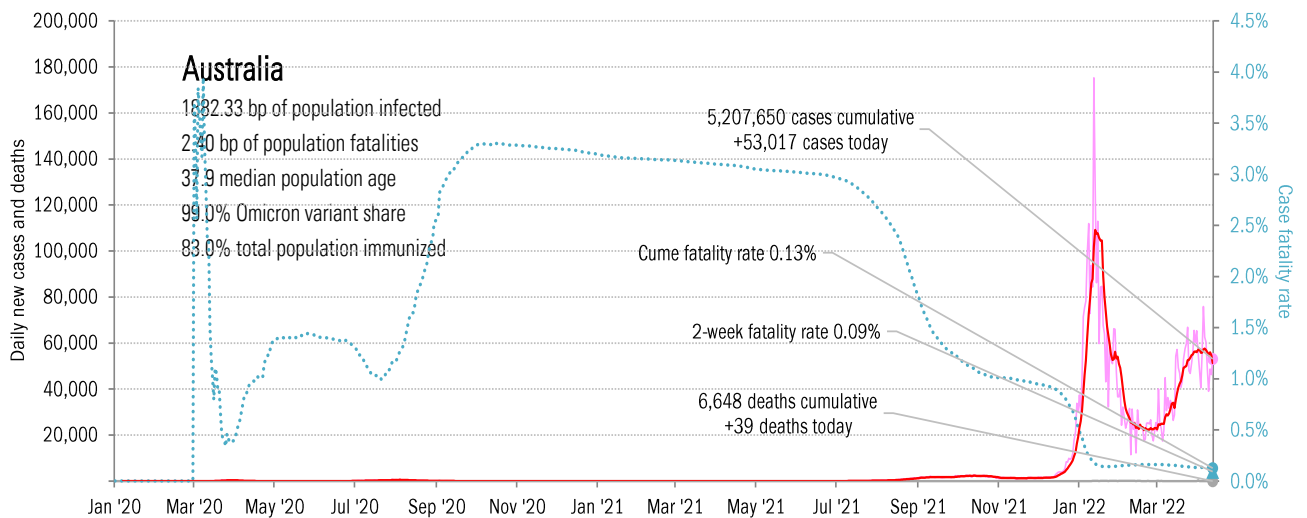
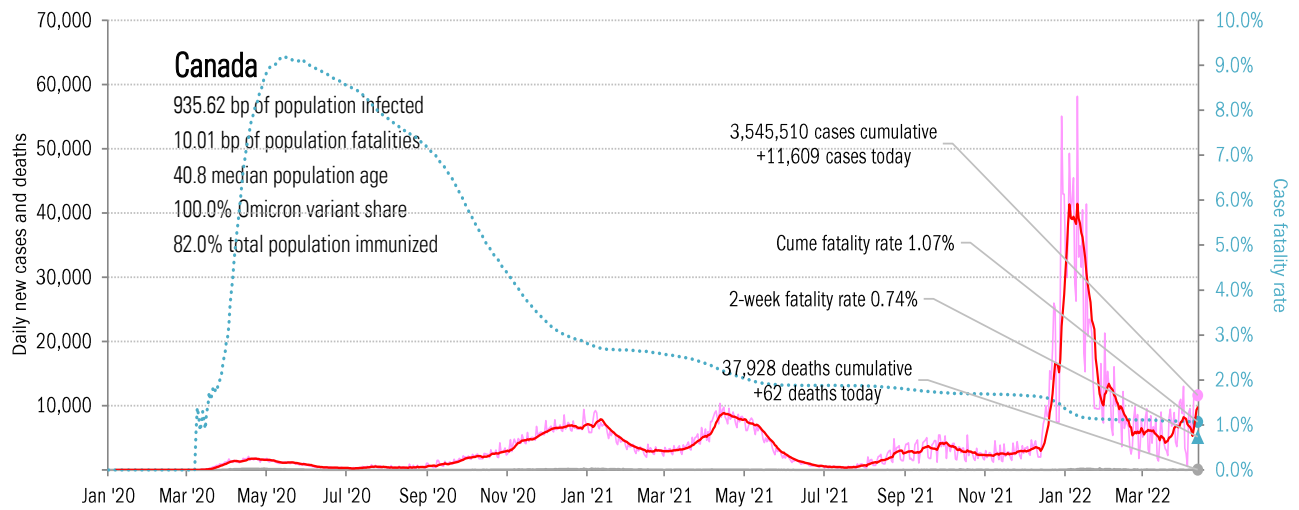
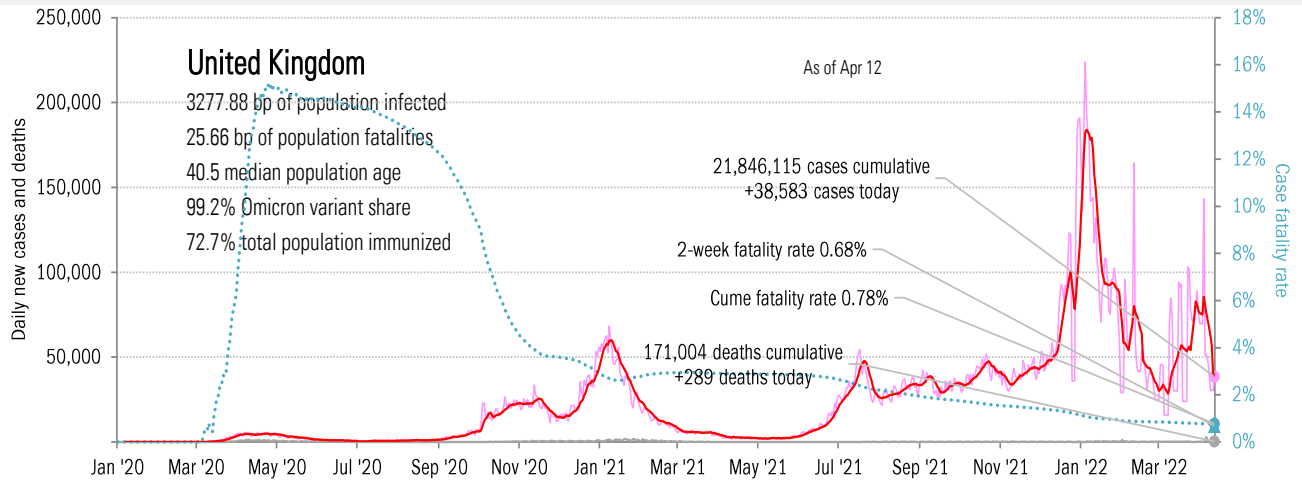
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

Cases: 7-day average and daily Deaths: Daily

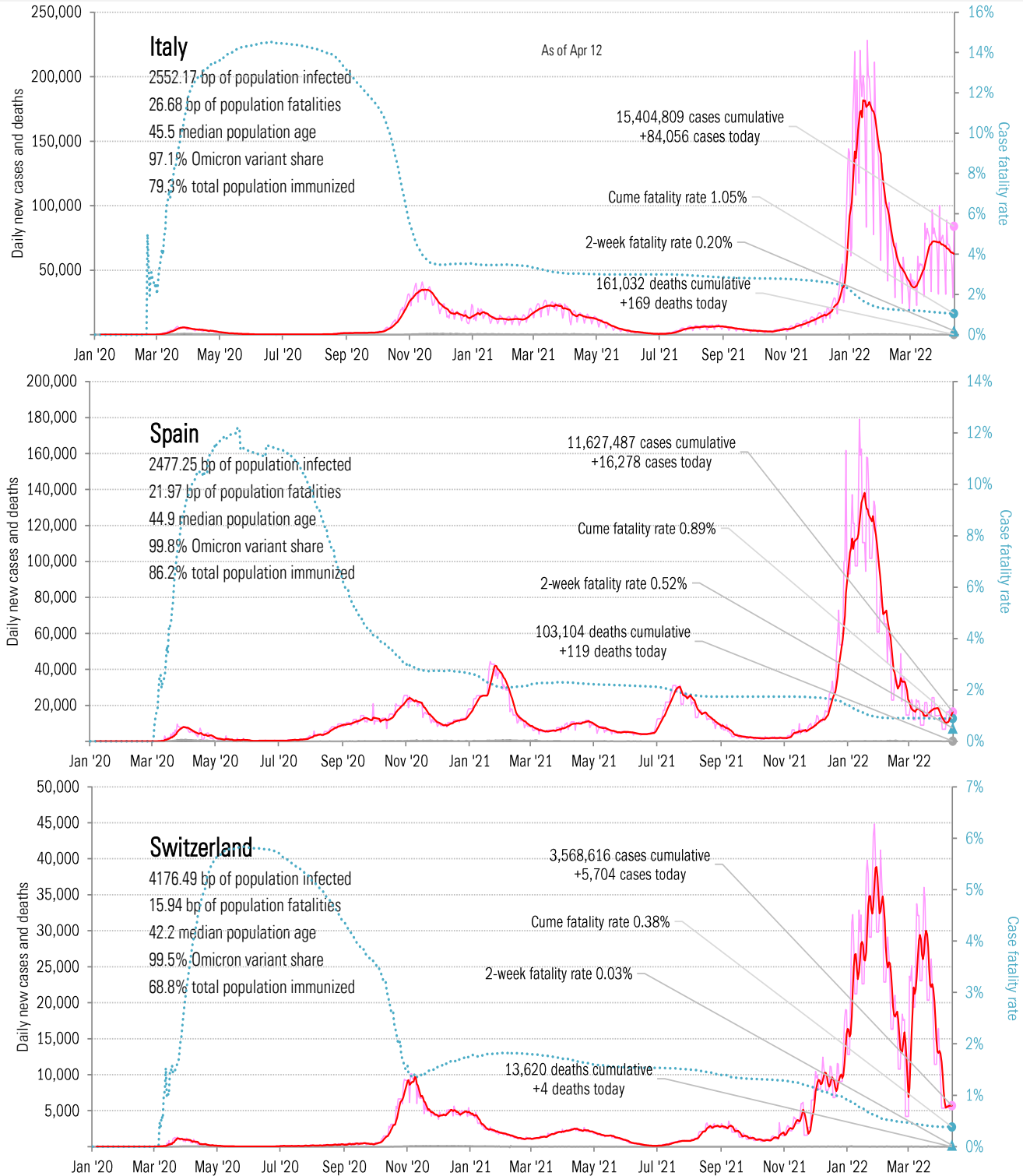


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in continental Europe

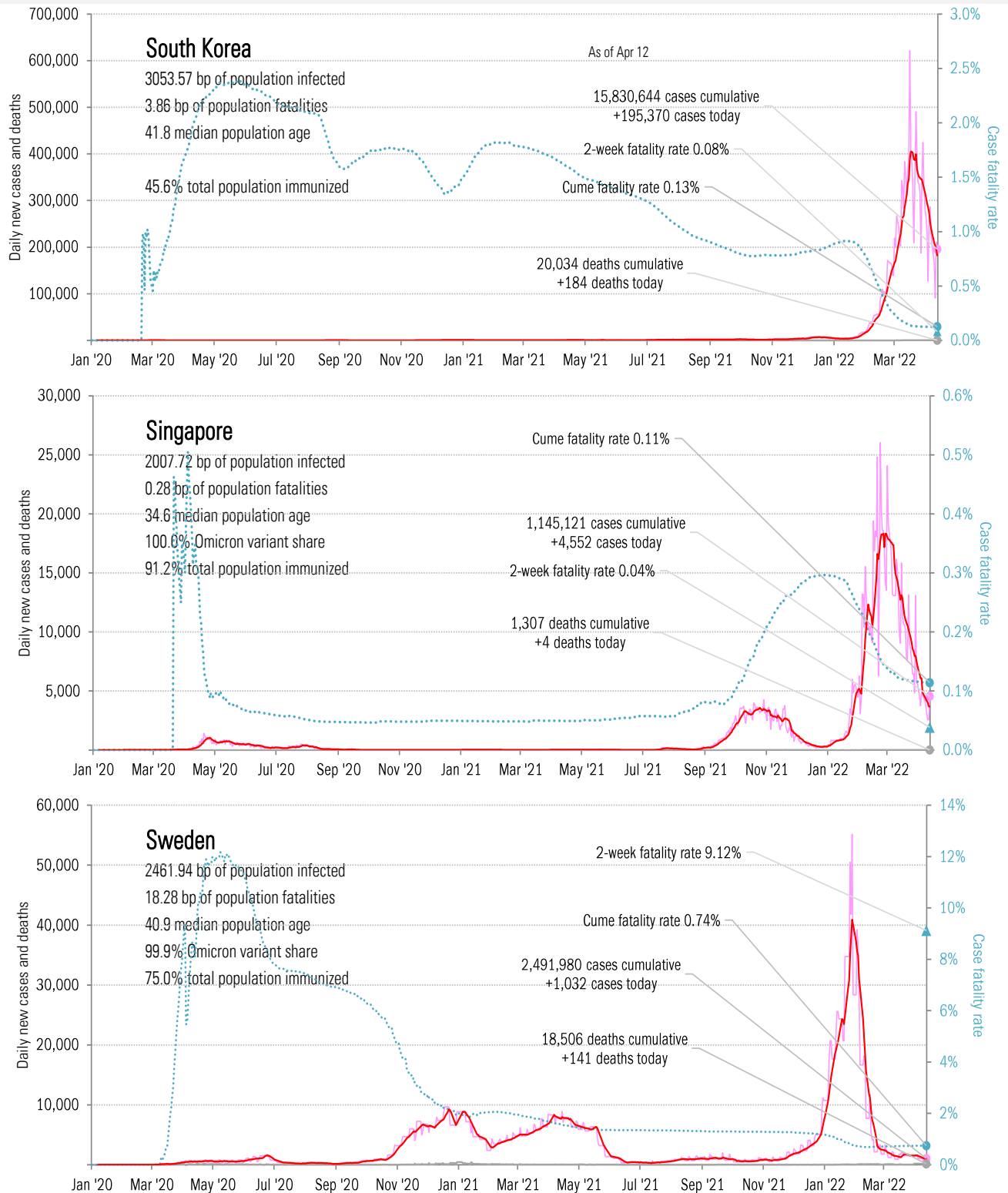
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

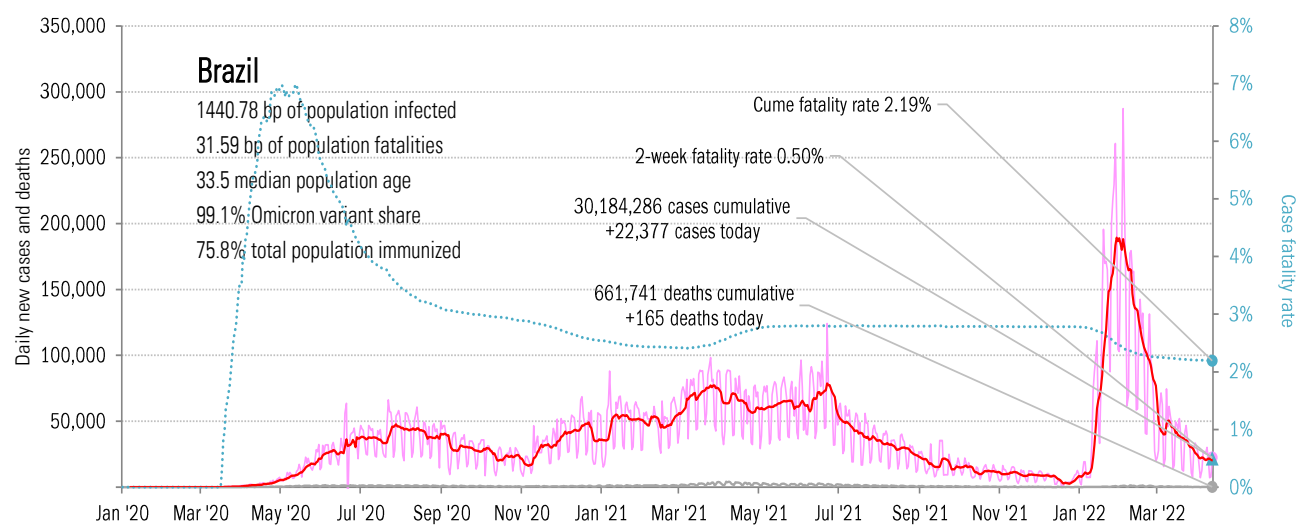
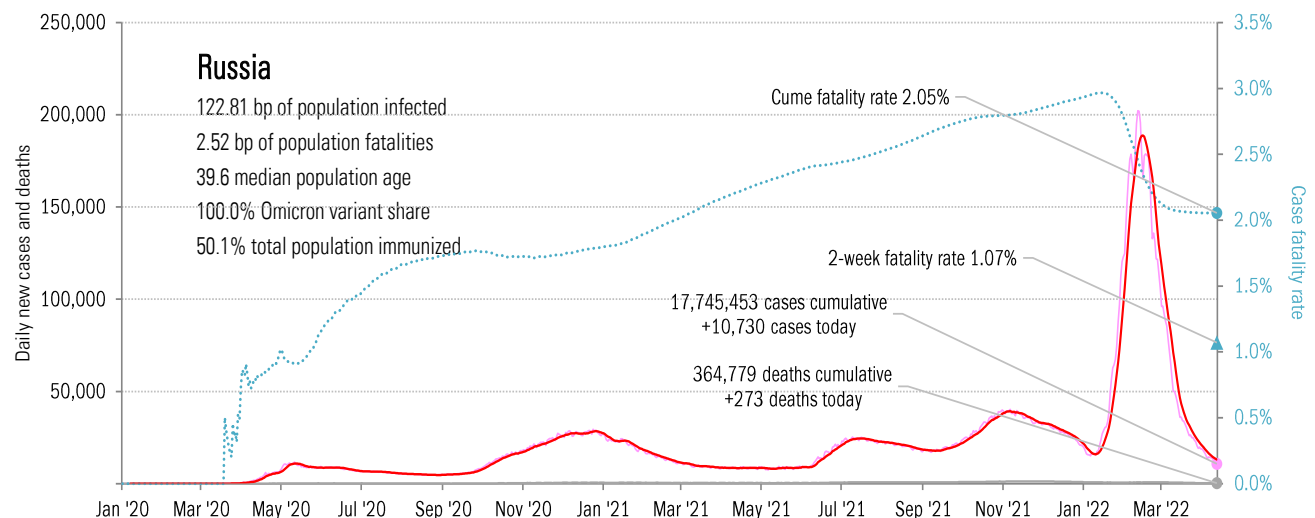
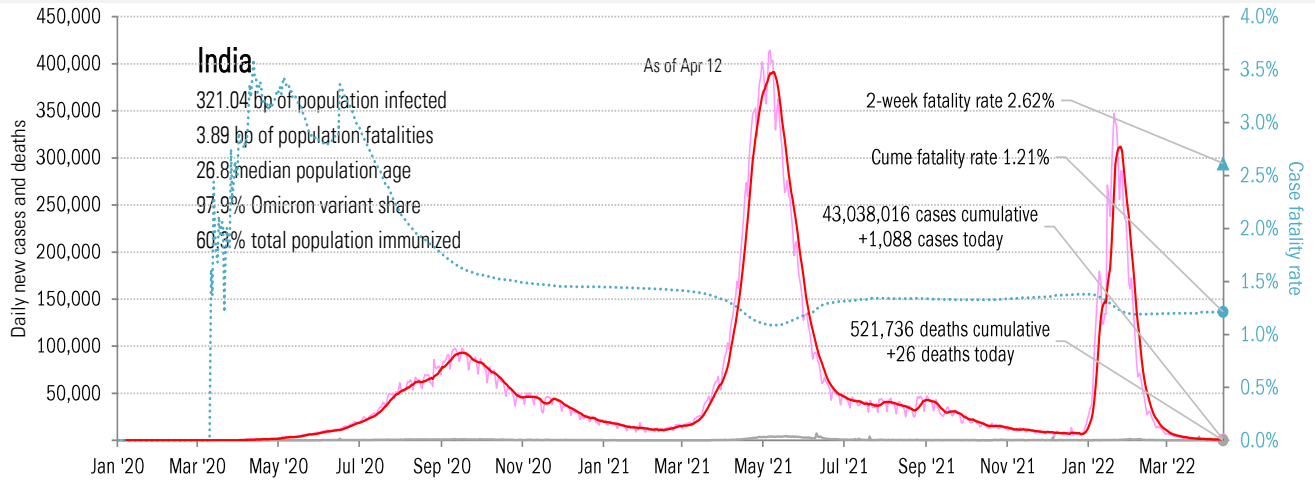
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

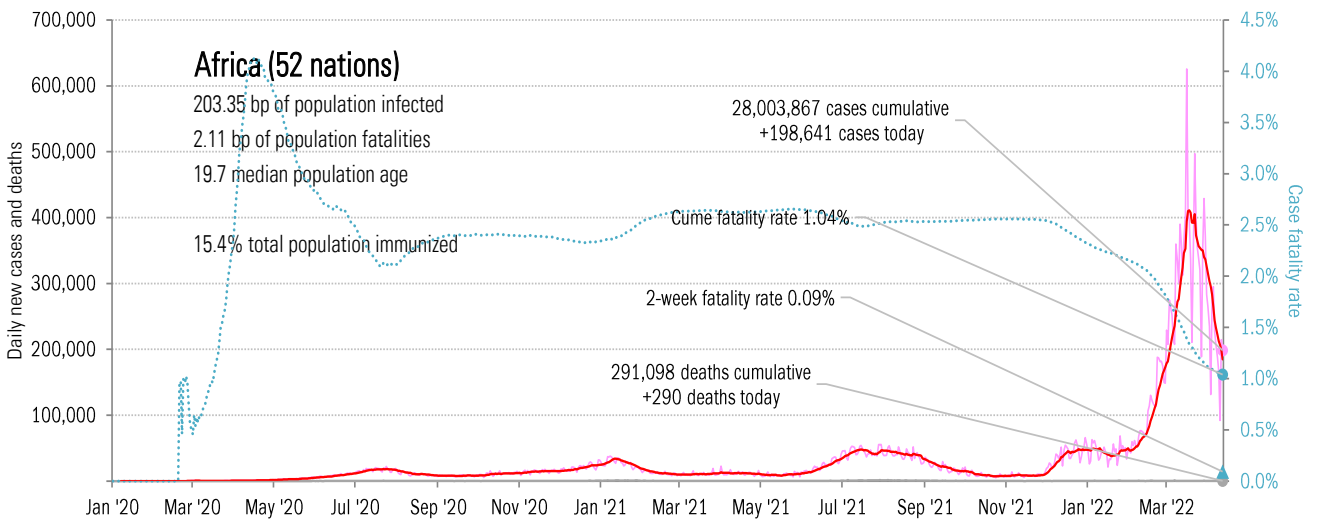
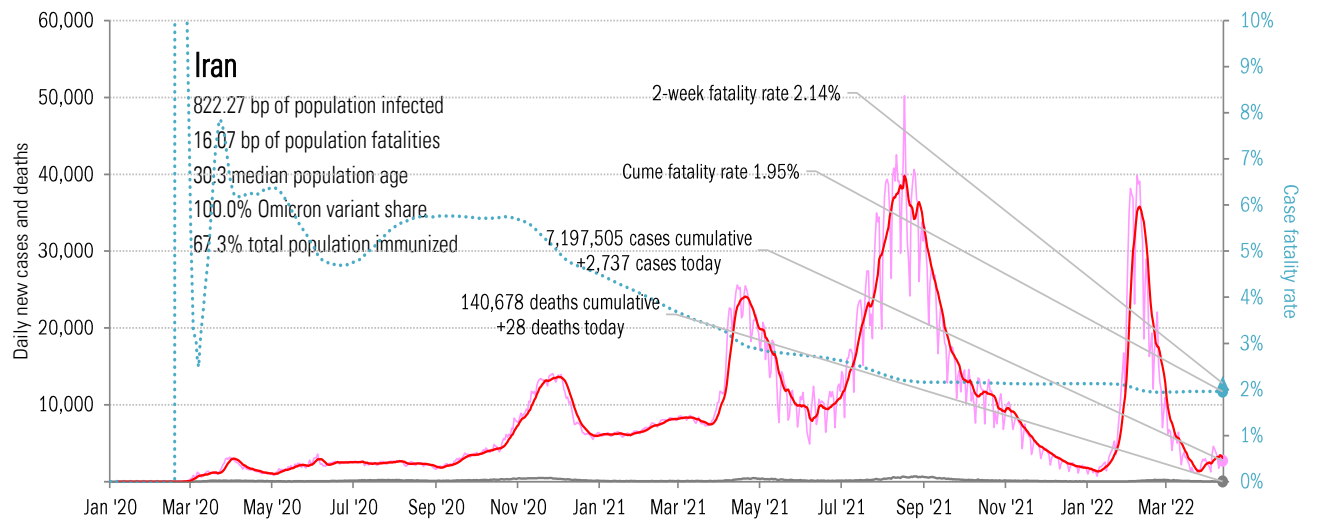
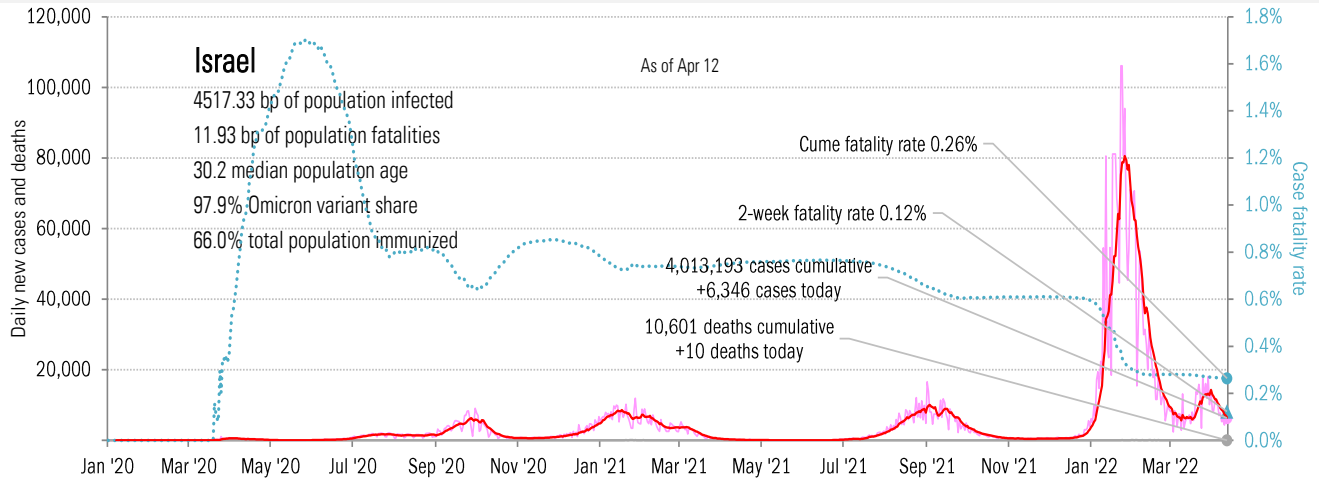
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

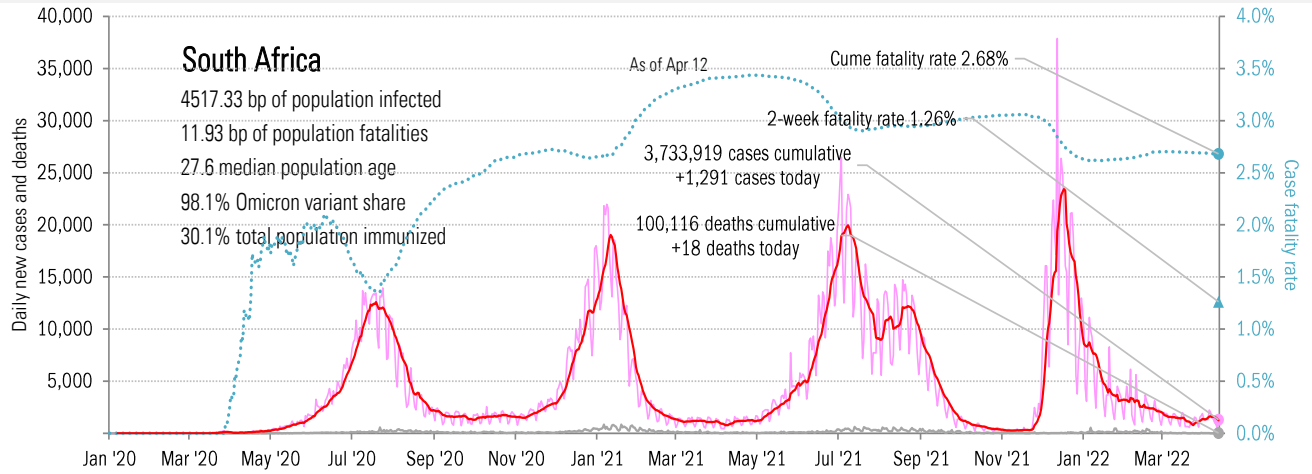
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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