

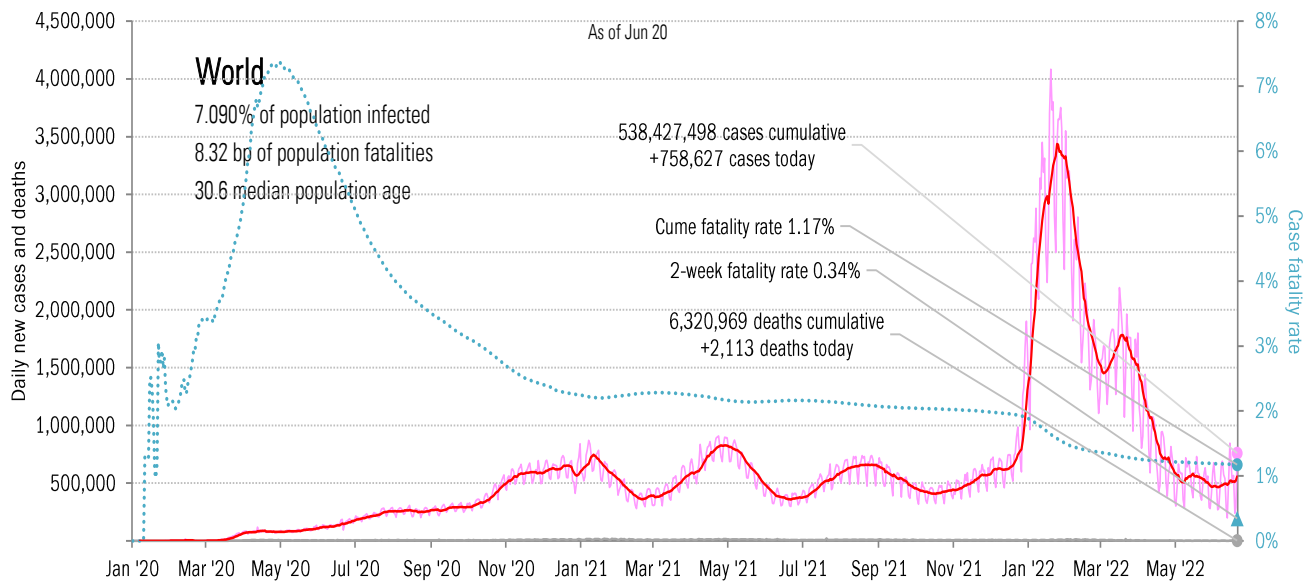
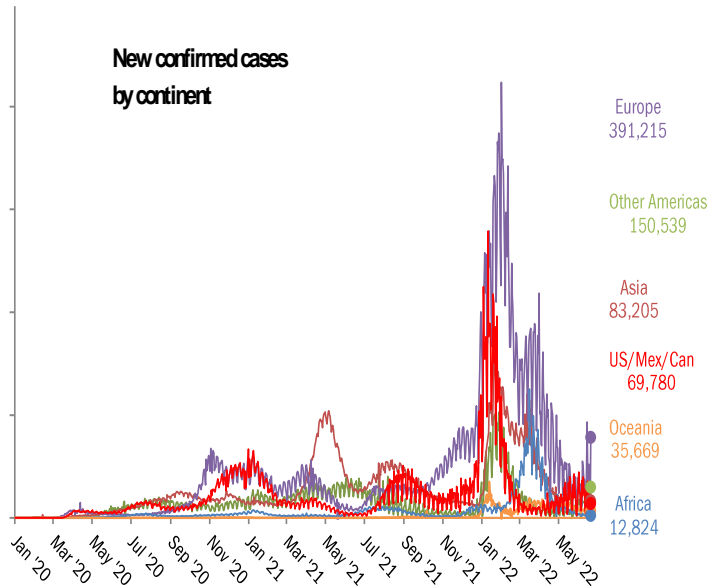
## Data Insights: Covid-2019 Monitor

Tuesday, June 21, 2022

### The global scorecard

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

The worst ten countries			
New cases		New Deaths	
Brazil	142,696	United States	525
Germany	123,097	Brazil	468
France	101,981	Germany	182
United States	66,375	Portugal	178
Portugal	56,769	Taiwan*	144
United Kingdom	37,122	France	67
Taiwan*	35,619	United Kingdom	67
Australia	29,256	Italy	59
Austria	17,274	Australia	58
Italy	16,905	Russia	52
<b>627,094</b>		<b>1,800</b>	
World	758,627	World	2,113
Top ten	83%	Top ten	85%



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

### For more information contact us:

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# The US scorecard

Cases: 7-day average and daily Deaths: Daily

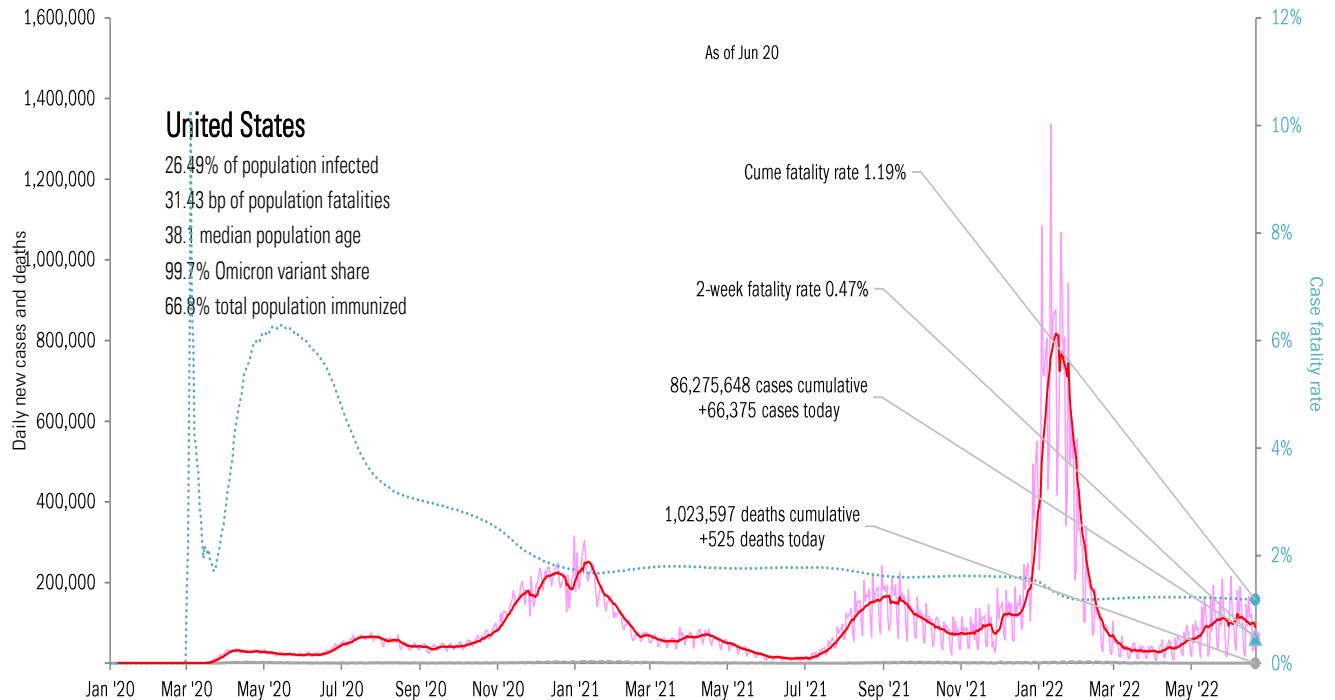
## The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	13,062		IN	23		TX	320		CA	9,906,825		CA	91,933		TX	500,032		RI	92%	TX	86%
CA	12,033		FL	21		IL	184		TX	7,076,343		TX	88,553		CA	444,246		MA	86%	RI	84%
US state case and fatality data distorted today due to weekend delays.						GA	149		FL	6,366,399		FL	75,242		FL	436,764		MN	84%	DE	84%
						VA	119		NY	5,549,360		NY	69,449		NY	268,081		WA	83%	MA	82%
						AL	68		IL	3,380,095		PA	45,580		GA	208,497		DE	82%	ND	82%
						MA	102		PA	2,975,031		CH	38,657		CH	198,339		GA	82%	WA	82%
AL	3,196		WI	4		AZ	105		NC	2,823,979		IL	38,410		PA	185,384		WV	81%	VT	80%
CO	3,164		RI	3		CA	443		CH	2,815,069		GA	38,360		IL	166,684		MO	81%	AL	80%
TX	2,936		LA	2		MS	33		GA	2,608,172		MI	36,675		MI	148,930		MD	81%	AK	79%
IN	2,691		VA	2		NJ	110		MI	2,581,397		NJ	33,939		KY	135,476		CR	80%	NC	78%
54,660			84			1,633			46,082,670			556,798			2,692,433						
All states 66,375			525			4,081			All states 86,275,648			1,023,597			4,891,527			All states 70%		67%	
Top ten 82%			16%			40%			Top ten 53%			55%			55%			Median 75%		73%	

*Some states not reporting*

## Five most improved US states

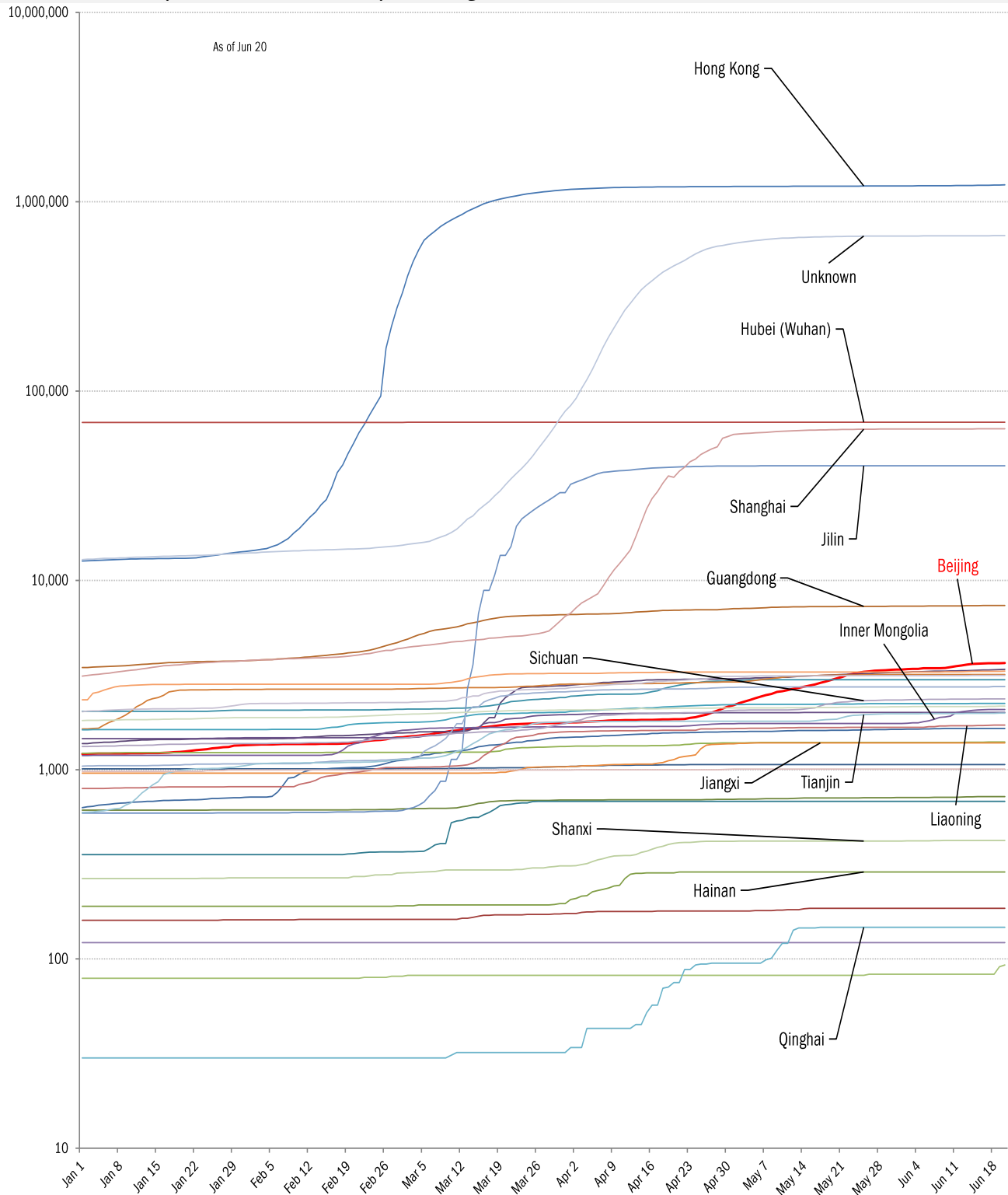
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FR	-4,271	FL	-103	NY	-132	WY	+10 bp
NJ	-939	NY	-13	SC	-57	ID	+10 bp
TX	-536	TX	-12	FL	-47	MO	+10 bp
AR	-324	AR	-7	MI	-27	NV	+10 bp
NY	-159	FR	-1	MO	-27	AZ	+10 bp



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

# China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

*Cumulative reported cases this year, log scale: flat line indicates "zero Covid"*



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

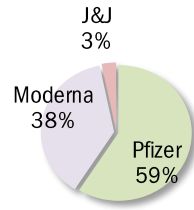
# Rolling out the vaccines in the US and the world

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	607,818,435	+0.292 million	US	66.8%	78.1%
of which boosters	106,058,896	+0.073 million	UK	73.4%	78.5%
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>
Total population	267,065,137	80%	229,269,627	68%	+0.041 million
Age 12 to 17	17,865,917	71%	11,111,111	62%	0.001 million
Age 18 to 64	179,337,039	88%	155,555,556	86%	0.001 million
Age 65 and over	59,261,185	100%	53,599,999	90%	0.001 million

The CDC did not update vaccination data today.

France	78.4%	80.7%
Spain	86.7%	88.2%
Germany	76.9%	77.0%
Italy	79.4%	84.1%
Australia	83.9%	86.6%
Israel	66.1%	72.2%
Canada	82.6%	86.1%
Japan	81.1%	82.3%
Africa	18.3%	23.7%
India	64.8%	72.8%
Brazil	78.6%	86.2%
China	87.1%	89.4%

Global data differs due to sources, timing



State
AK
70.2%
62.9%

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

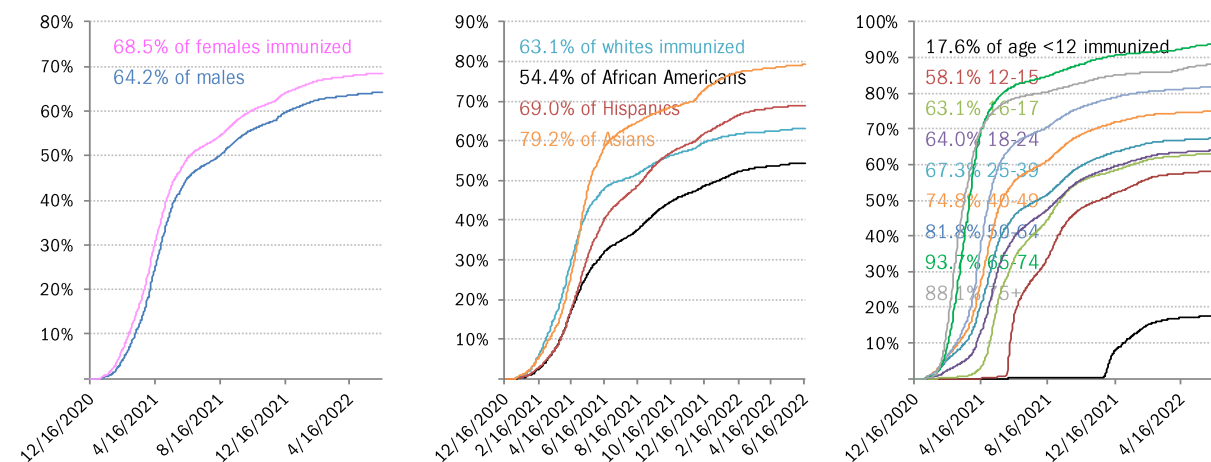
\*Immunity\* = two doses

Best
Middle
Worst

As of Jun 16

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
81.4%	62.1%	65.7%	66.0%	75.5%	76.4%	67.4%	90.9%	94.3%	89.2%	
73.1%	55.8%	57.2%	55.9%	69.6%	69.1%	60.6%	77.6%	81.8%	71.3%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
78.4%	75.9%	58.5%	77.5%	68.3%	62.5%	63.6%	85.8%	91.2%	95.0%	
70.1%	61.4%	51.3%	62.4%	62.4%	56.3%	58.7%	69.4%	76.3%	79.8%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.7%	72.5%	79.9%	70.7%	66.6%	66.6%	65.4%	86.4%	87.2%	95.0%	95.0%
72.8%	64.6%	70.8%	64.0%	56.6%	57.8%	58.0%	73.9%	76.3%	80.0%	83.6%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
74.0%	88.7%	72.9%	67.3%	62.6%	85.5%	68.2%	95.0%	83.9%		
62.3%	71.8%	62.5%	54.9%	54.9%	62.3%	57.5%	75.9%	69.9%		
OK	LA	MS	AL	GA						
71.7%	61.4%	60.0%	63.1%	65.9%						
57.8%	53.8%	52.2%	51.5%	55.3%						
TX										
74.1%										
62.1%										
WI										
72.3%										
66.0%										
ME										
91.5%										
80.3%										
HI										
88.0%										
78.8%										
FL										
80.0%										
67.5%										
PR										
95.0%										
83.5%										

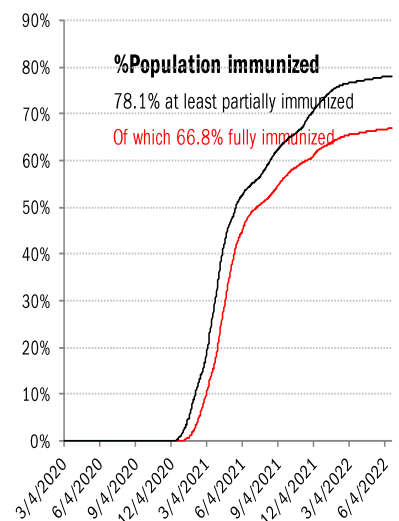
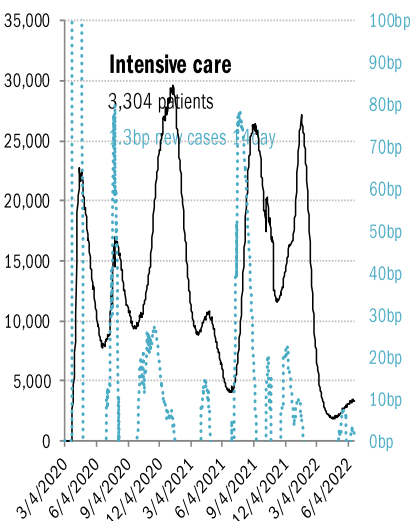
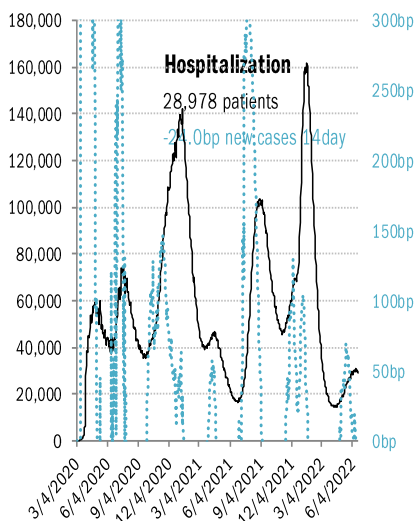
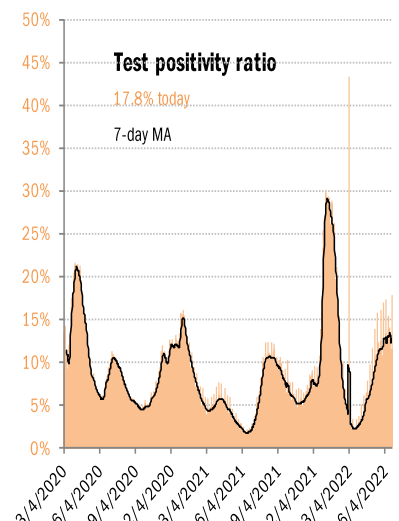
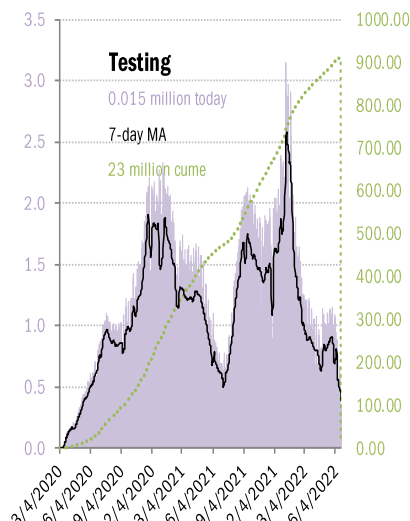
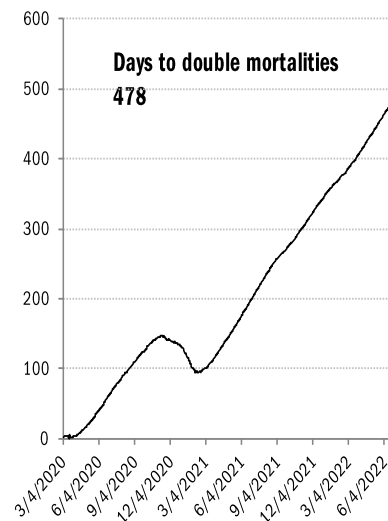
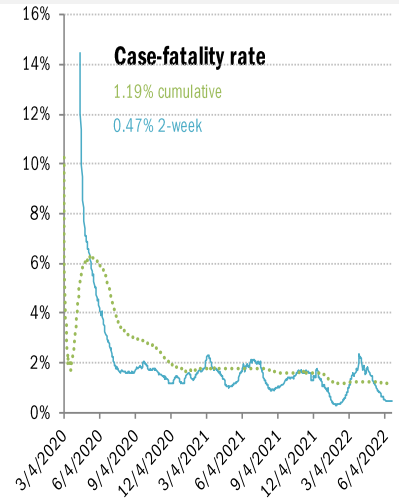
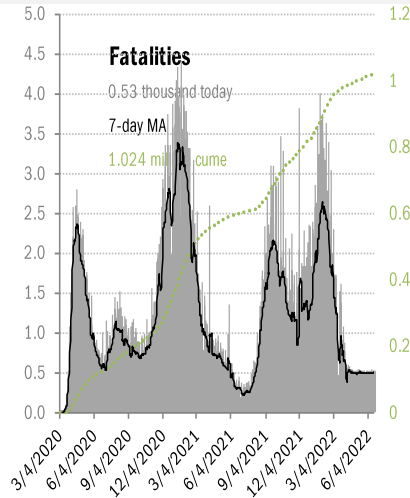
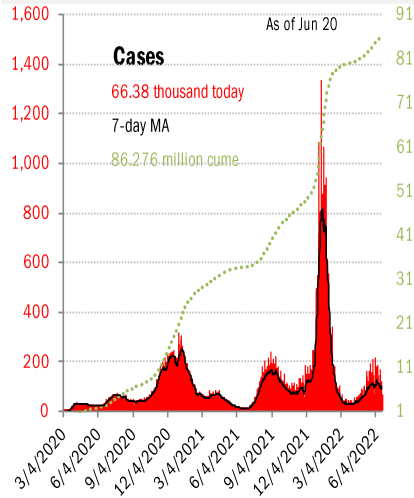
## The demographics of US vaccination



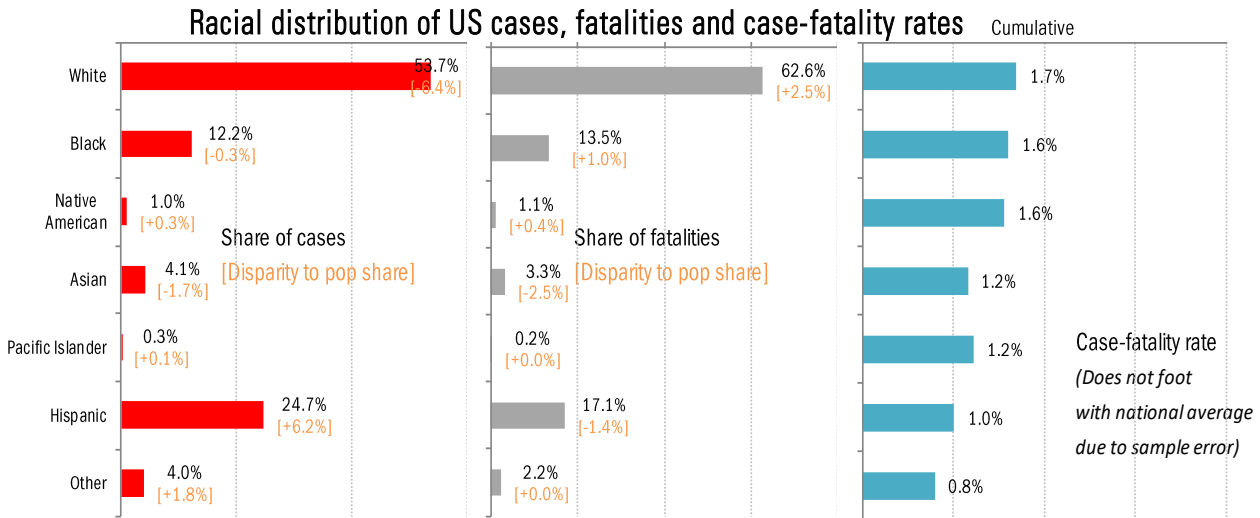
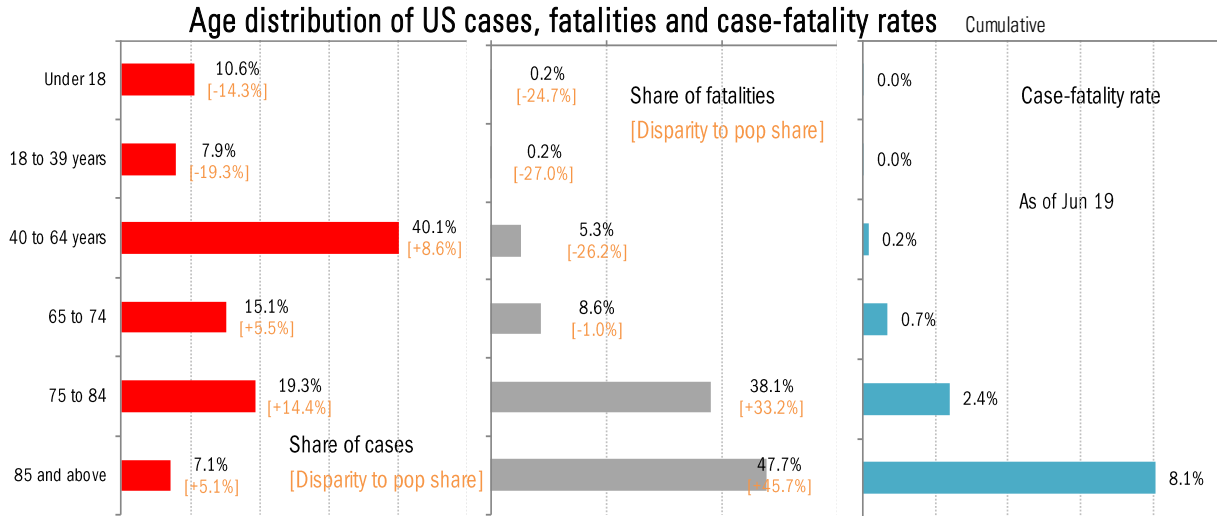
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

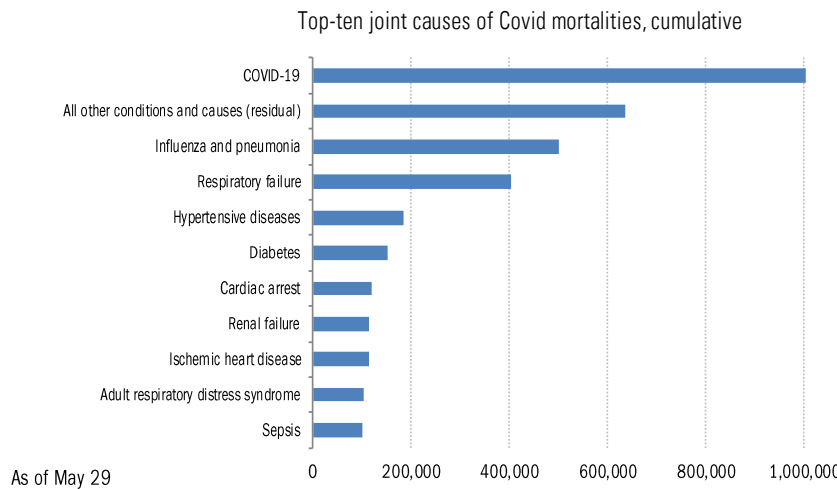
National and state-by-state data do not line up because of different sources



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



### Comorbidities



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

[Undoing the Covid 'Taxpayer Heist'](#)

*Wall Street Journal*  
June 20, 2022

[Covid-19 vaccination BNT162b2 temporarily impairs semen concentration and total motile count among semen donors](#)

Itai Gat  
*Andrology*  
June 17, 2022

[Covid Cases Surge, but Deaths Stay Near Lows](#)

Benjamin Mueller  
*New York Times*  
June 20, 2022

[Fact Sheet on WMD Threat Reduction Efforts with Ukraine, Russia and Other Former Soviet Union Countries](#)

*US Department of Defense*  
June 9, 2022

[Rand Paul Presses Dr. Fauci on COVID Booster Shots For Children, Graft at NIH](#)

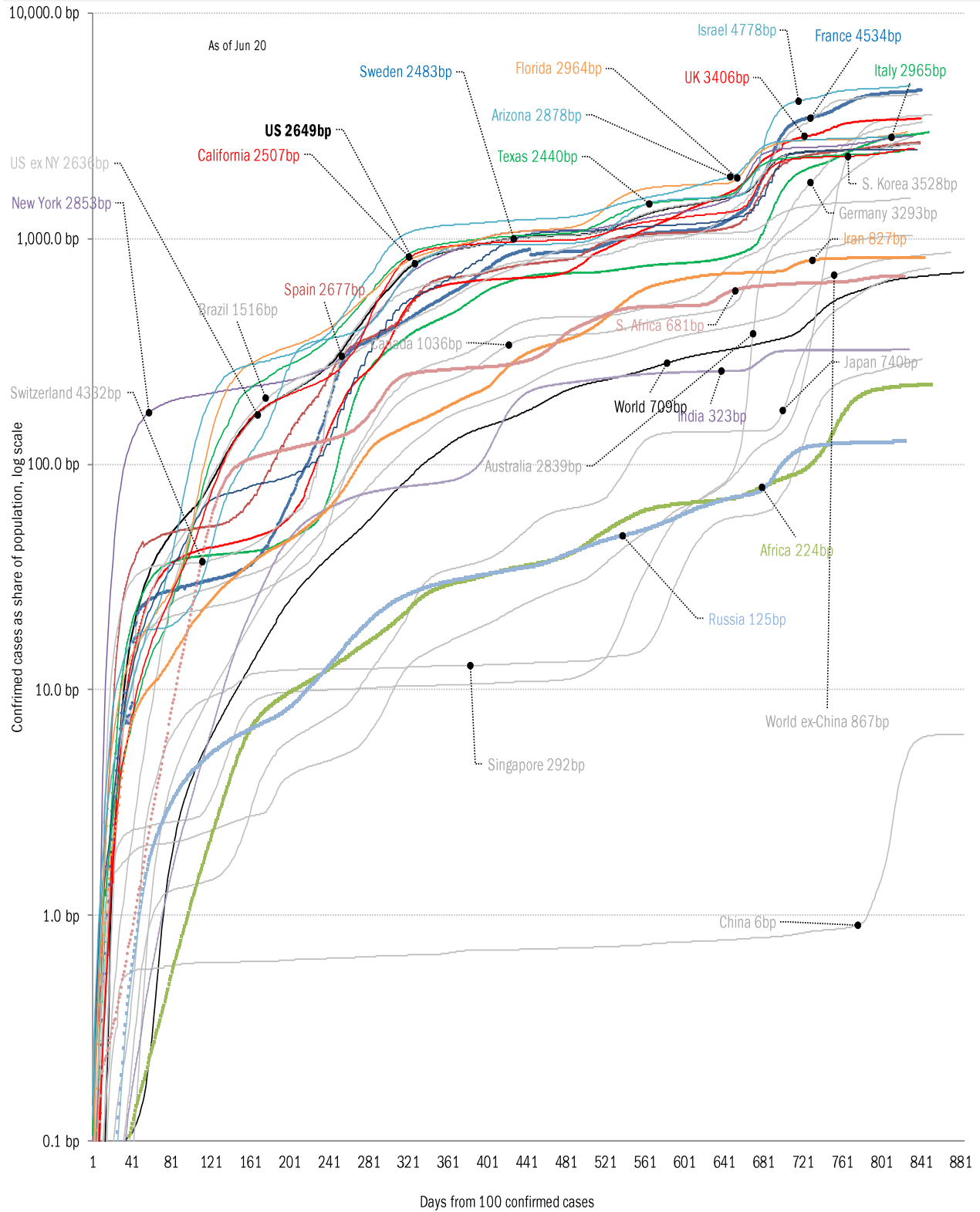
Debra Heine  
*American Greatness*  
June 16, 2022

## Meme of the day



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

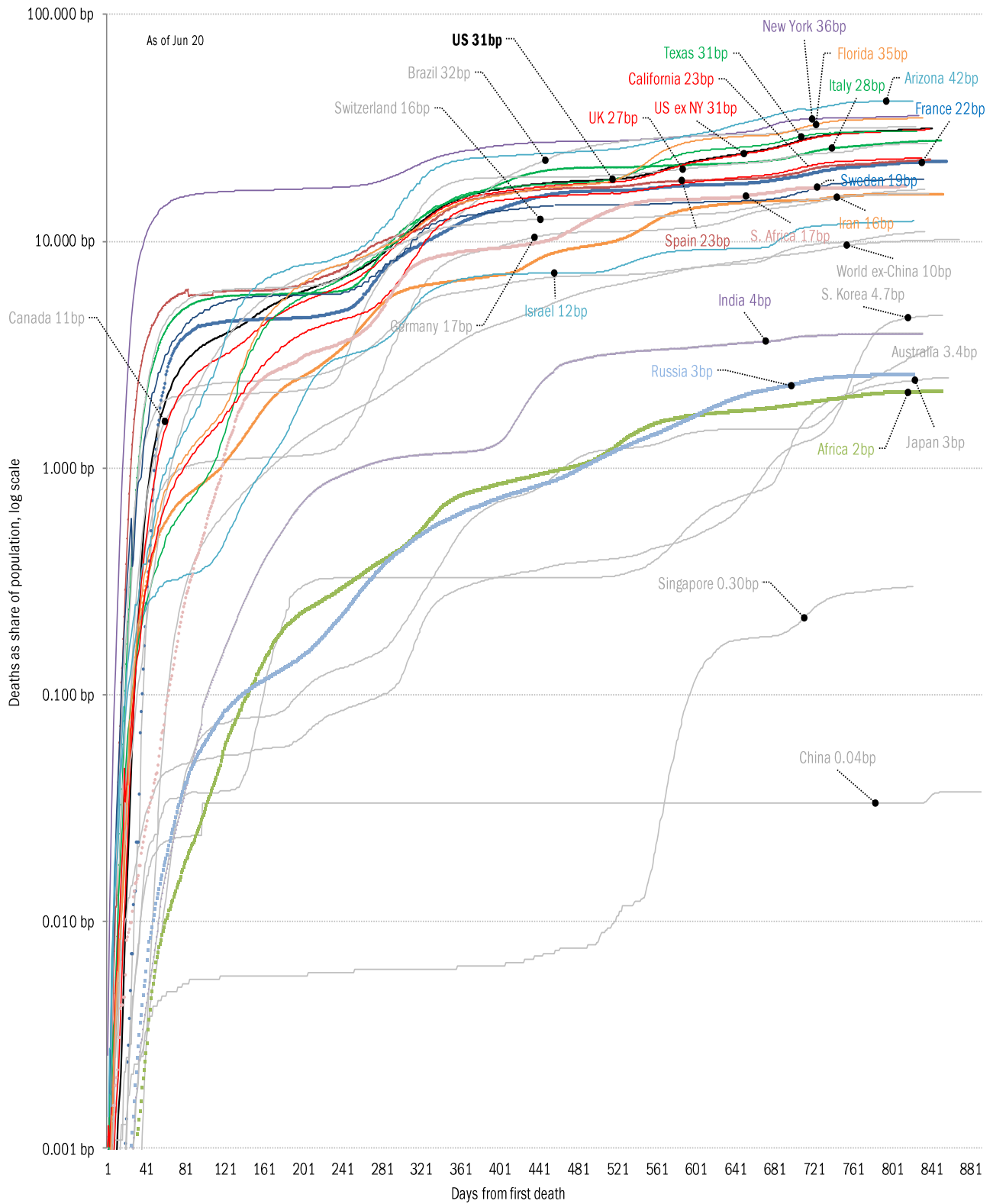
The global coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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



The global coronavirus mortality accelerometer ... tracking the world's fatality curves  
*Share of deceased population from day of first fatality, log scale*

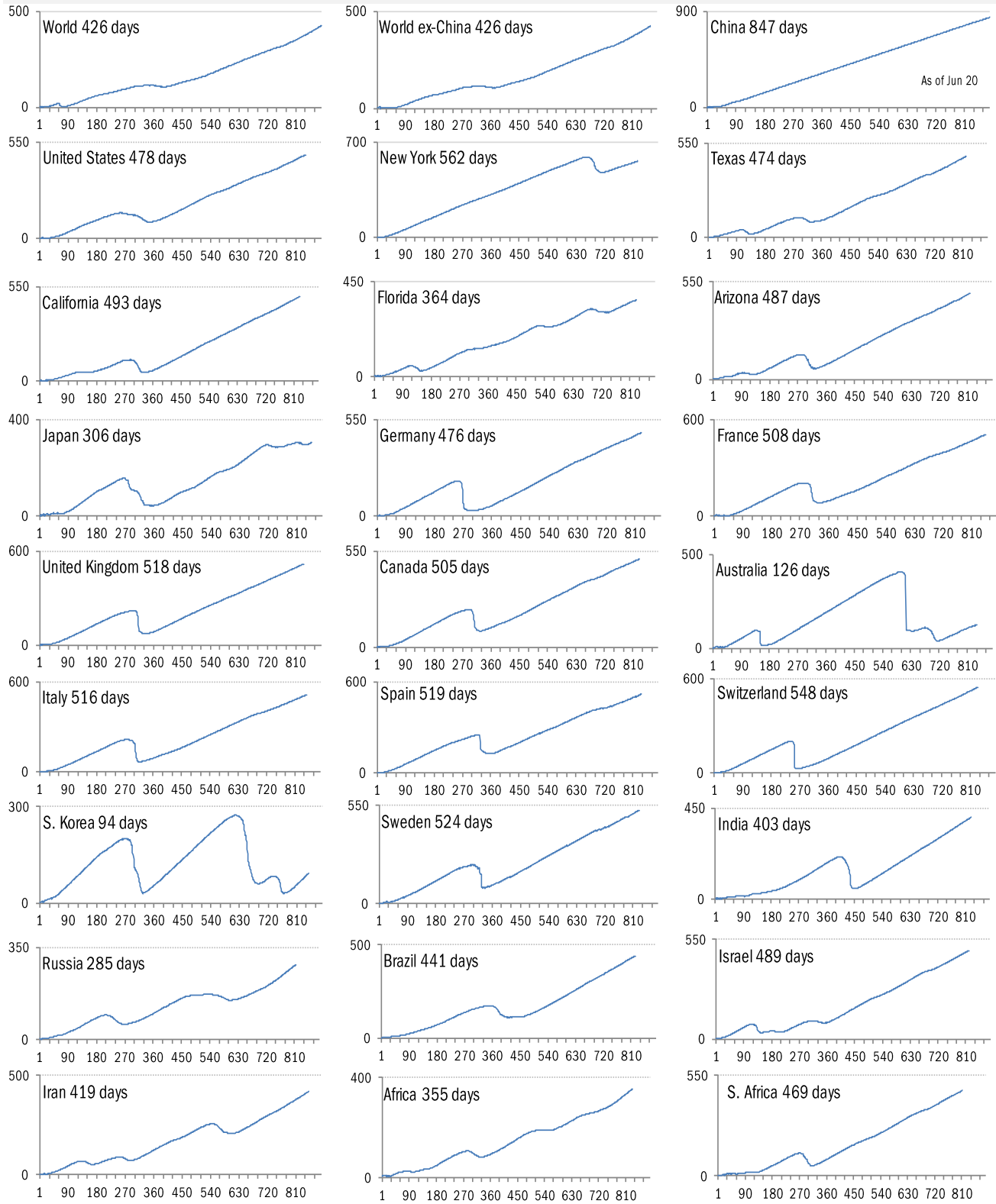


Source: [Johns Hopkins](#), TrendMacro calculations

# 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 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

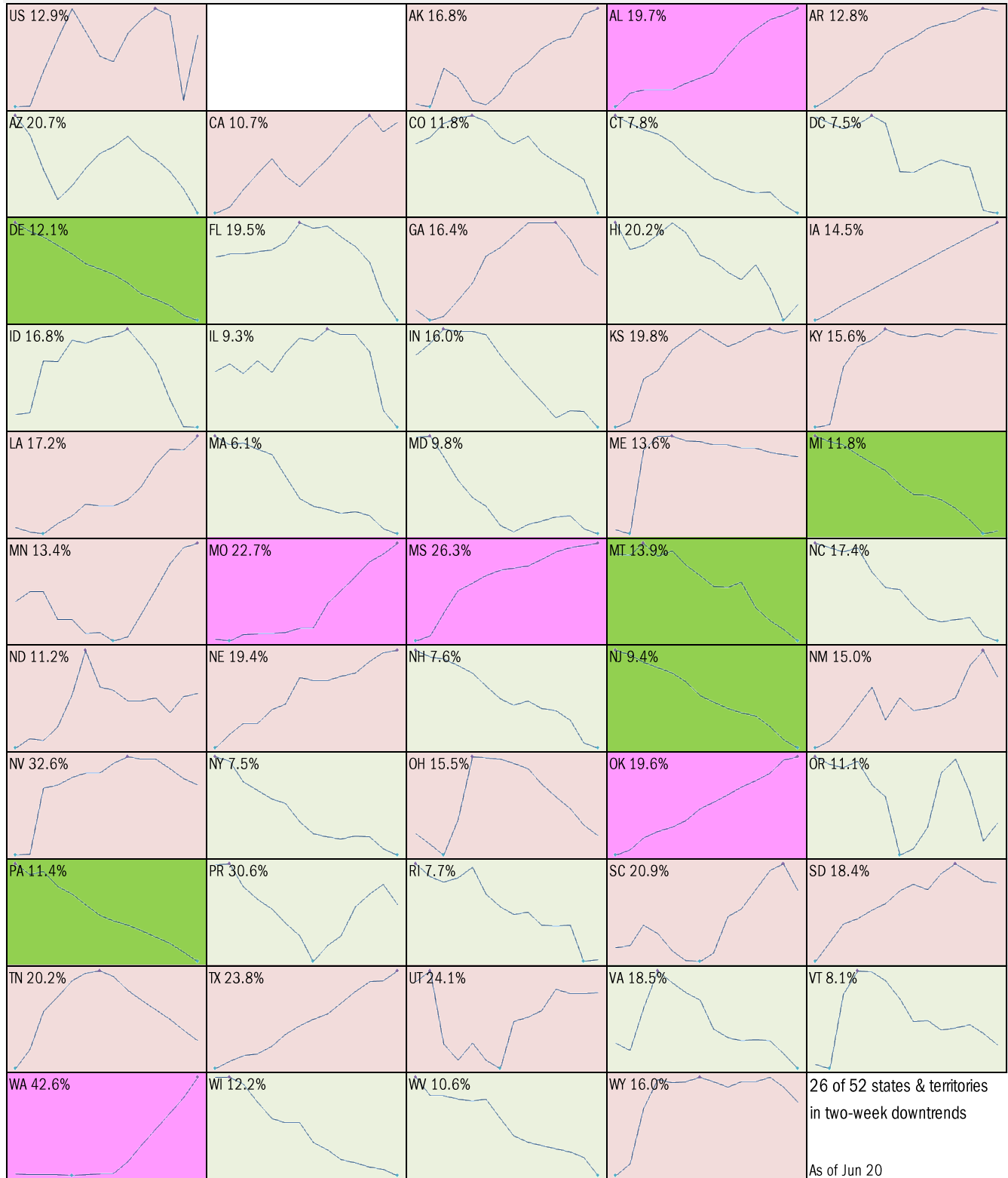


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

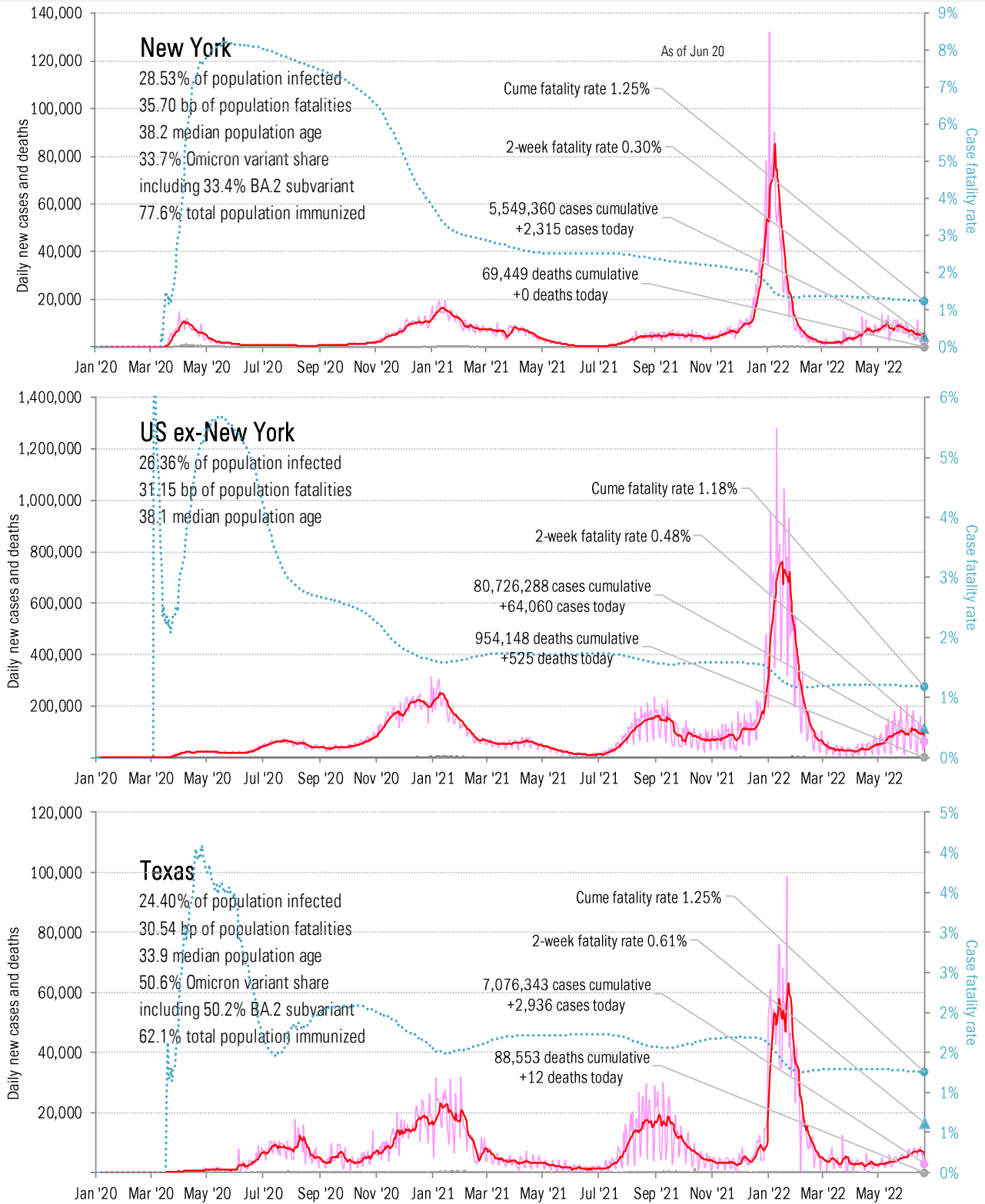
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

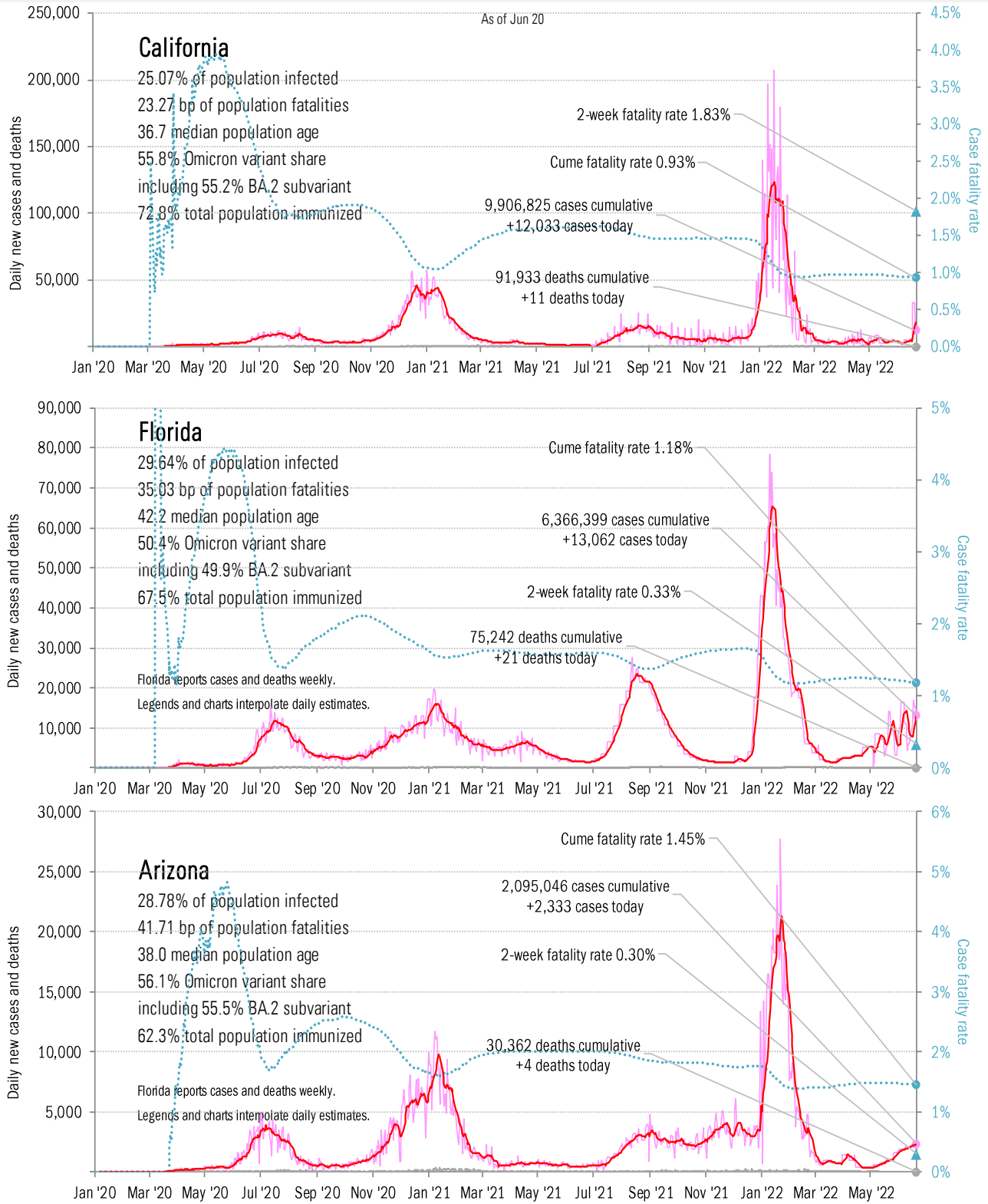
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

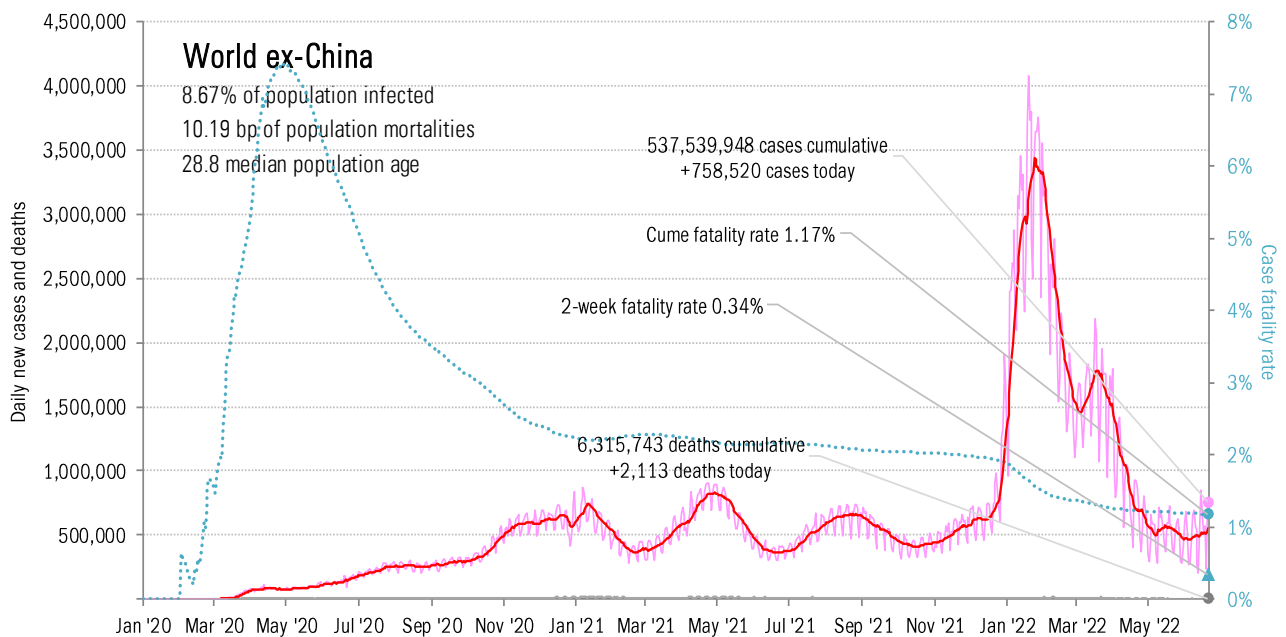
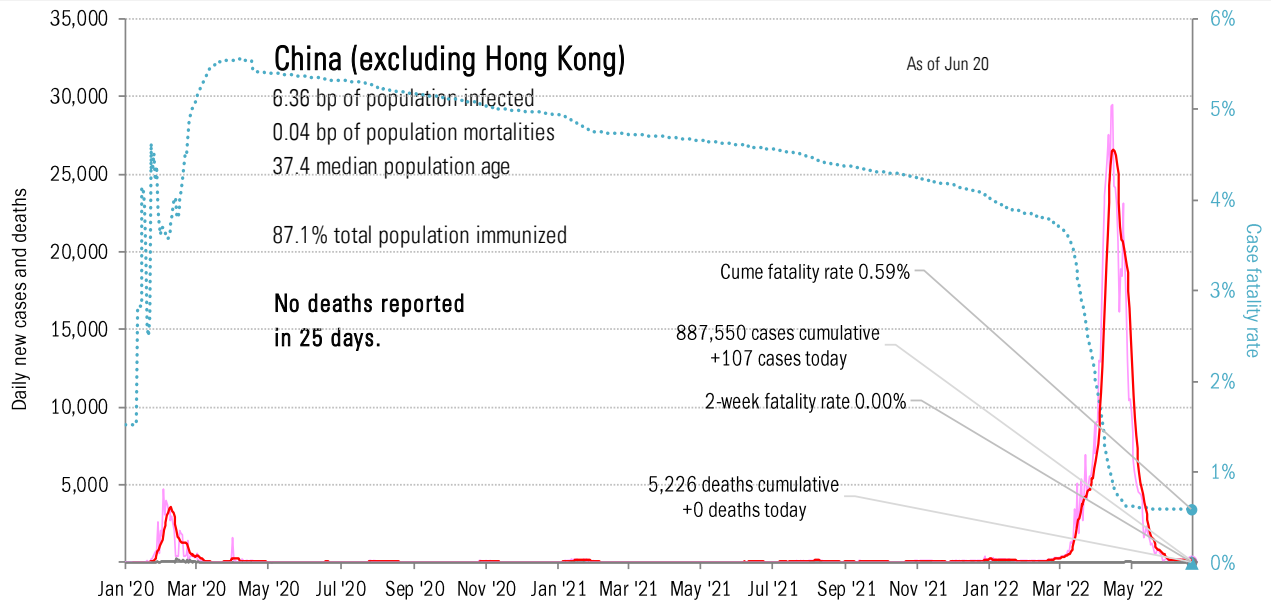
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

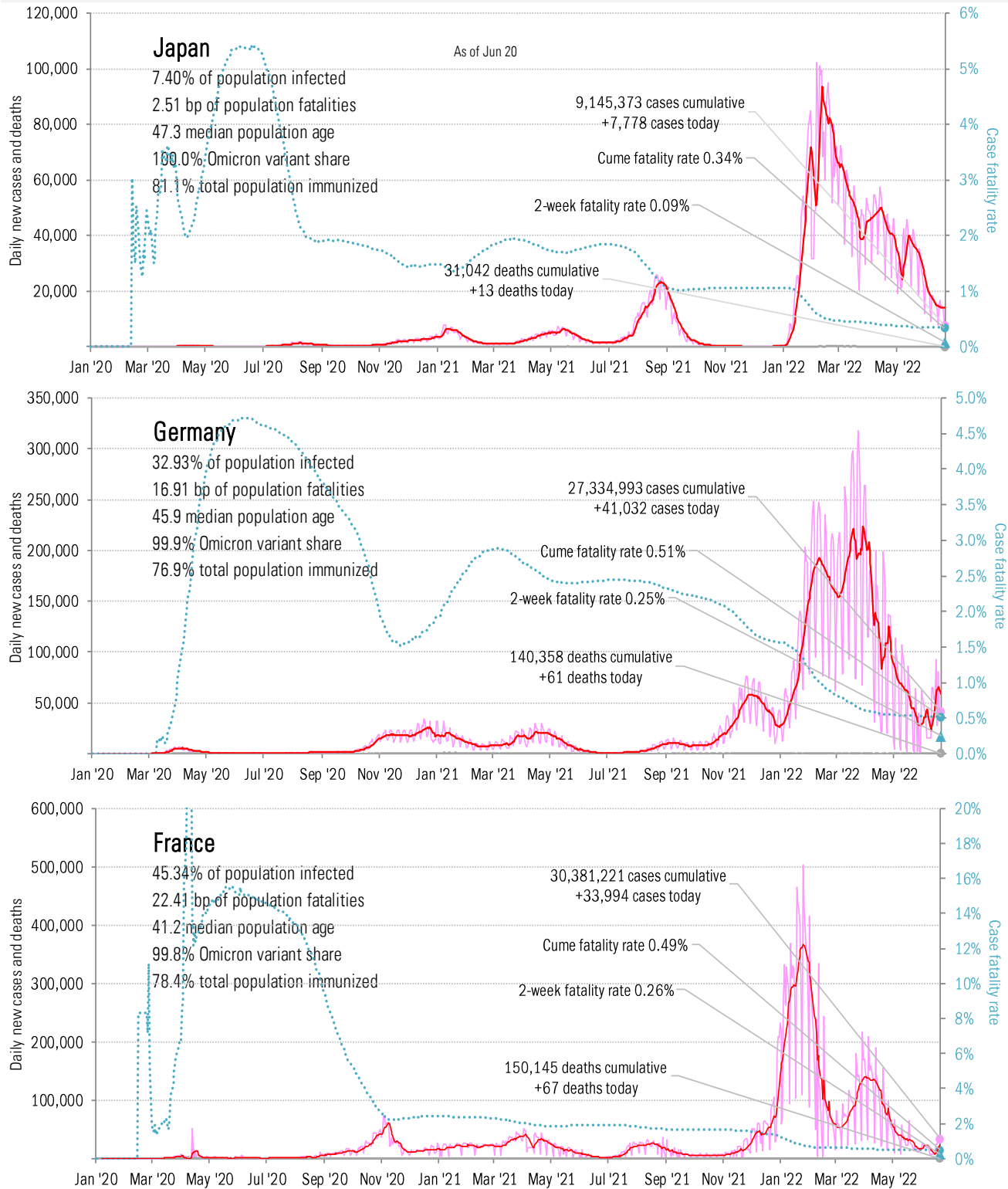
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

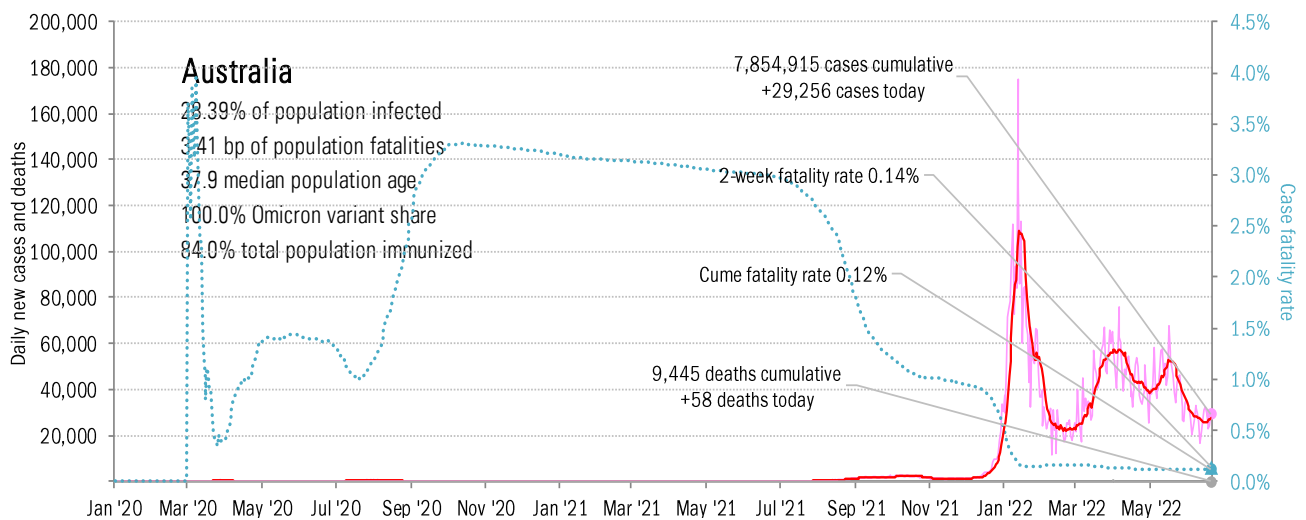
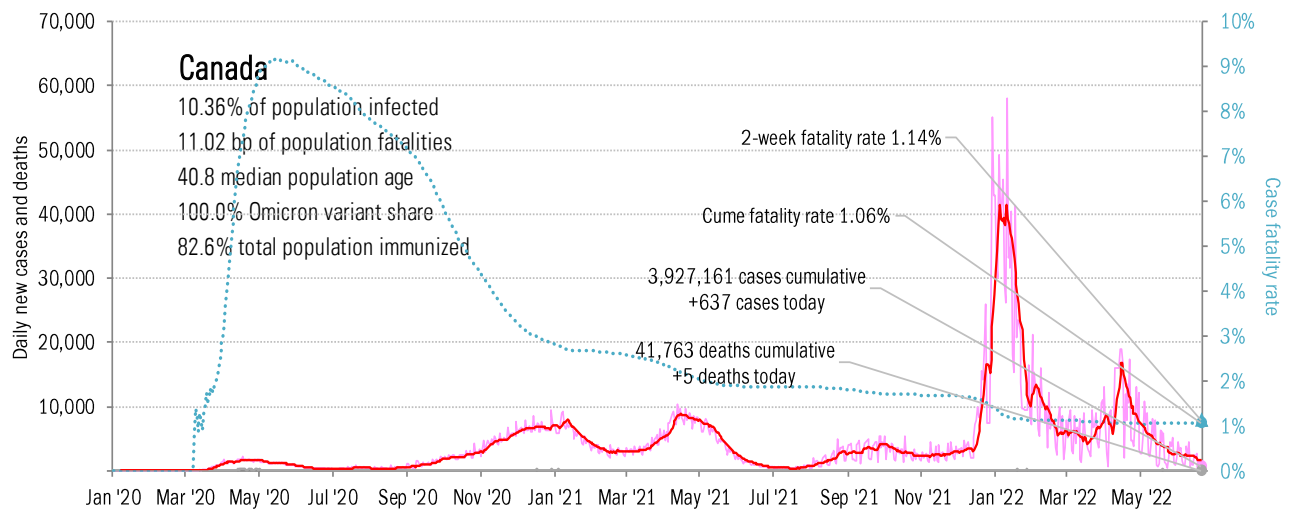
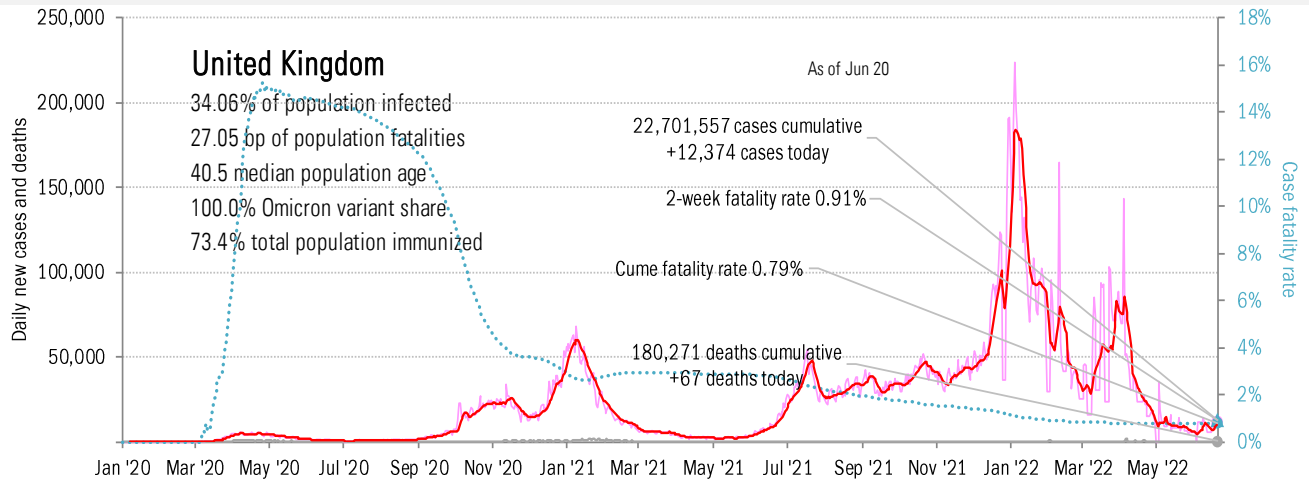


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

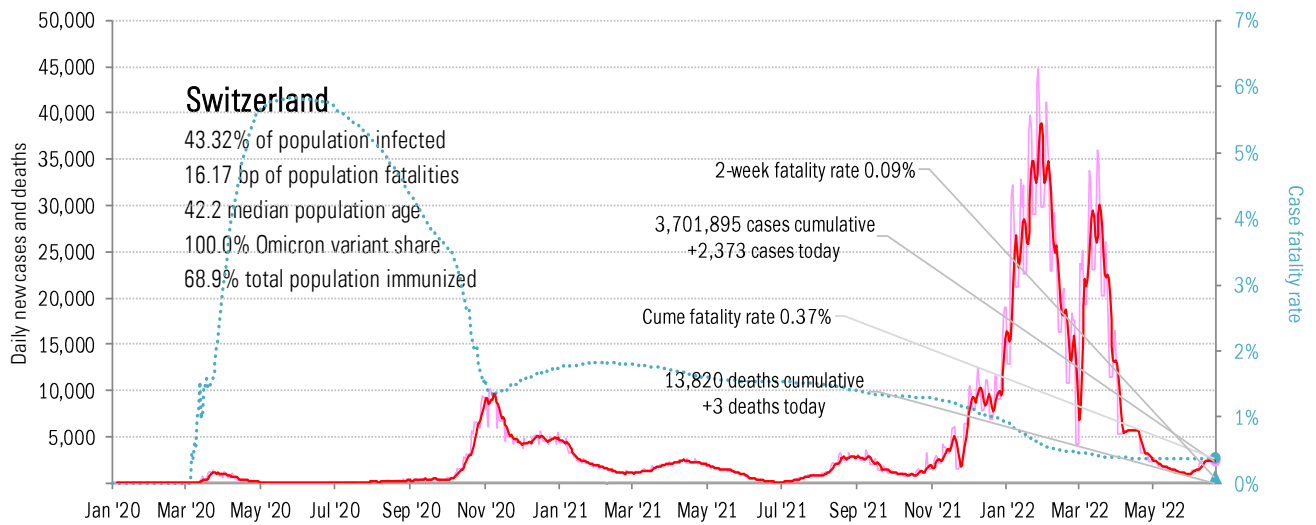
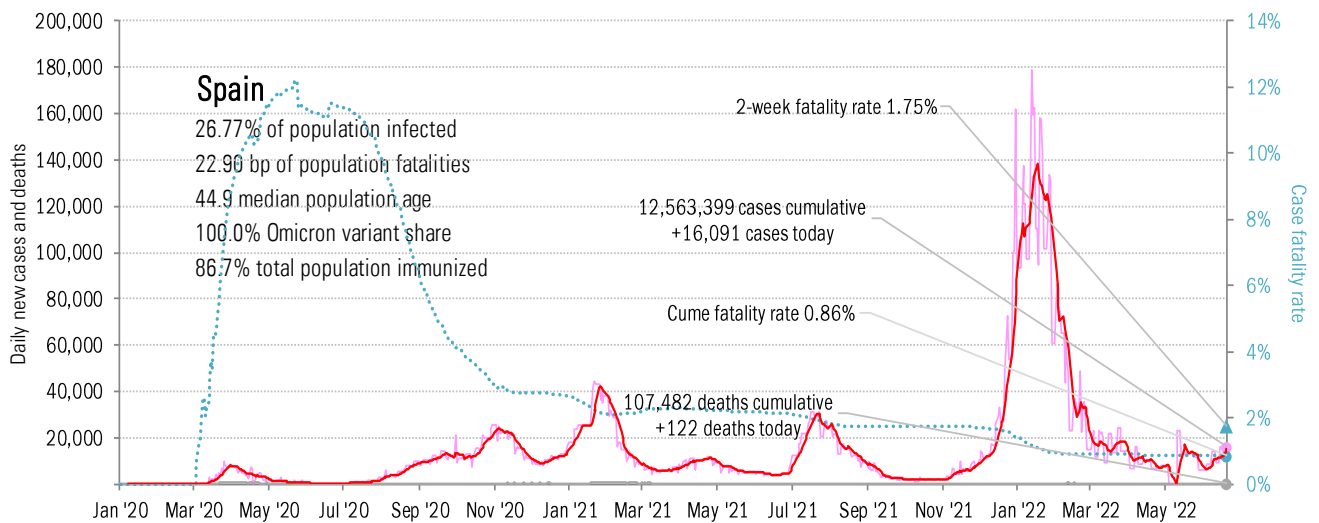
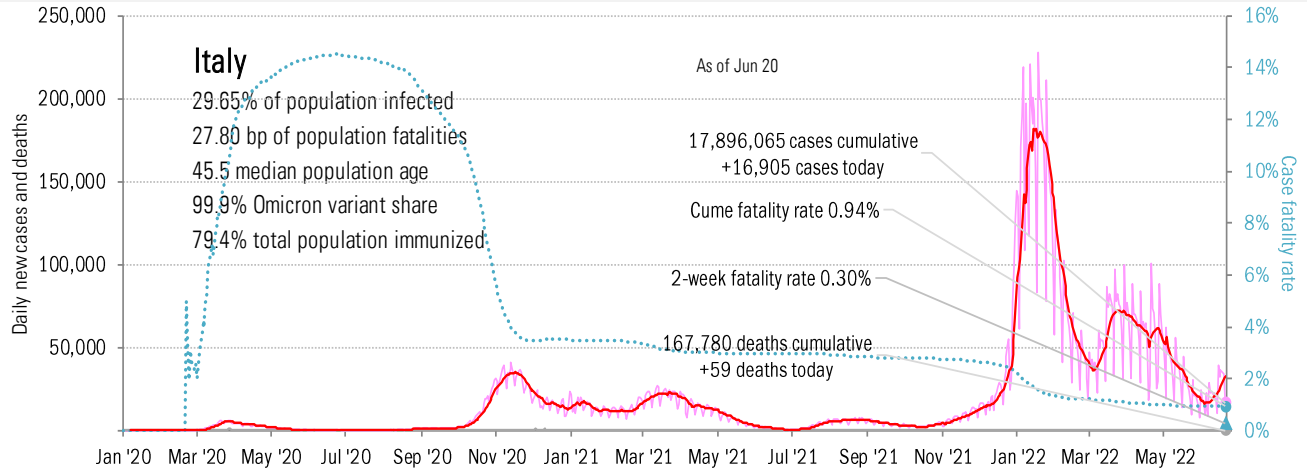
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

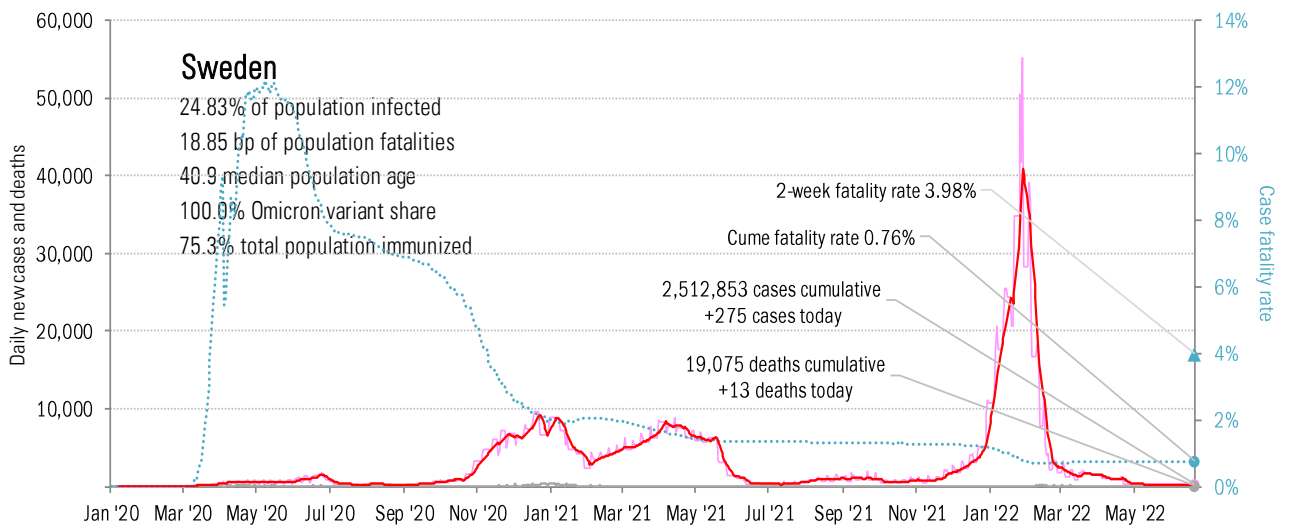
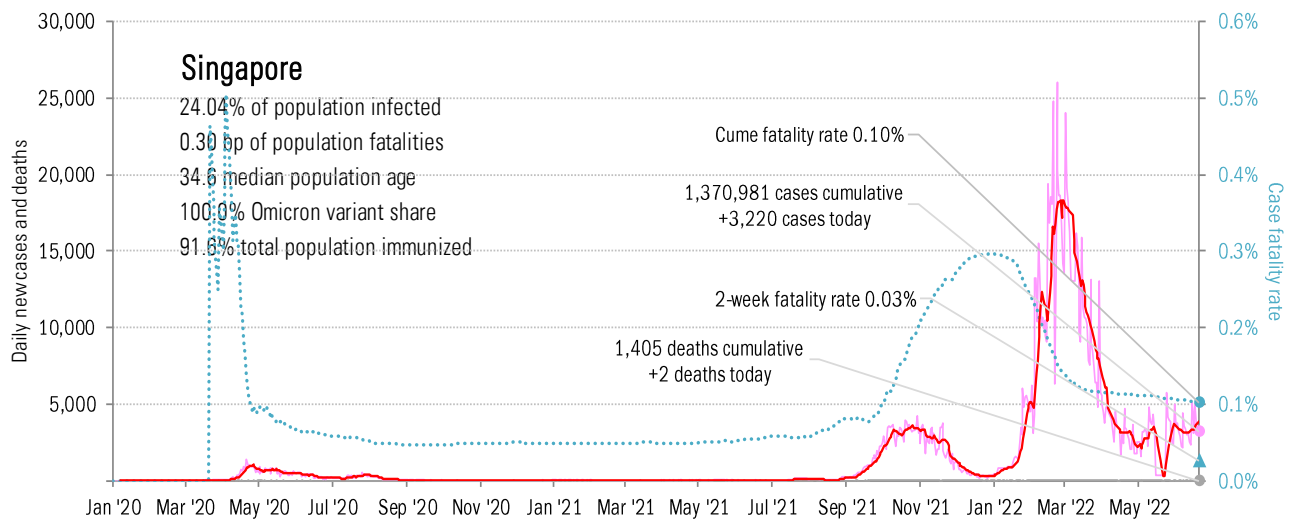
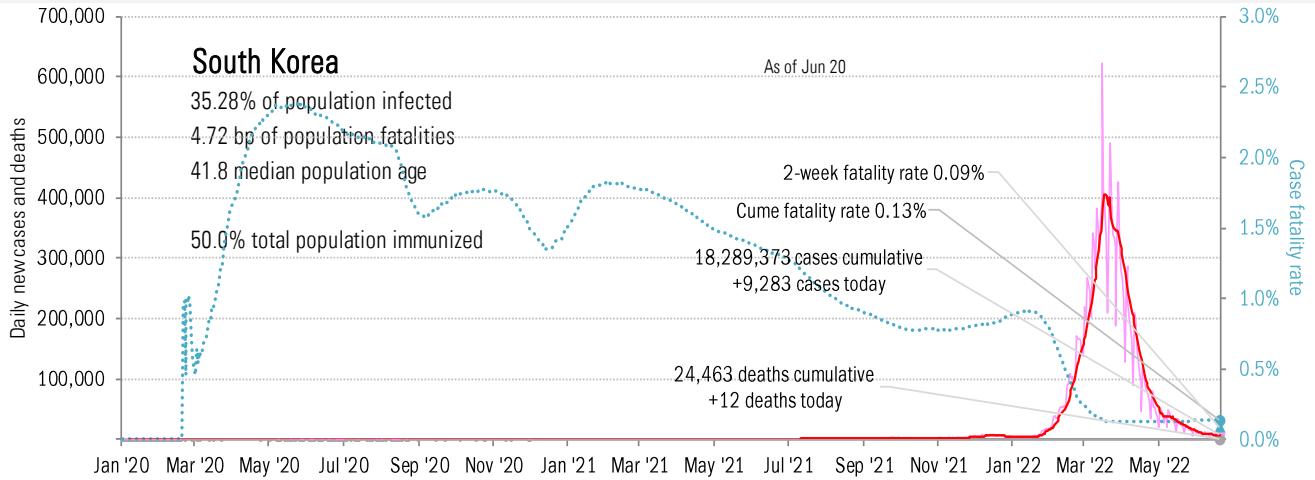
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

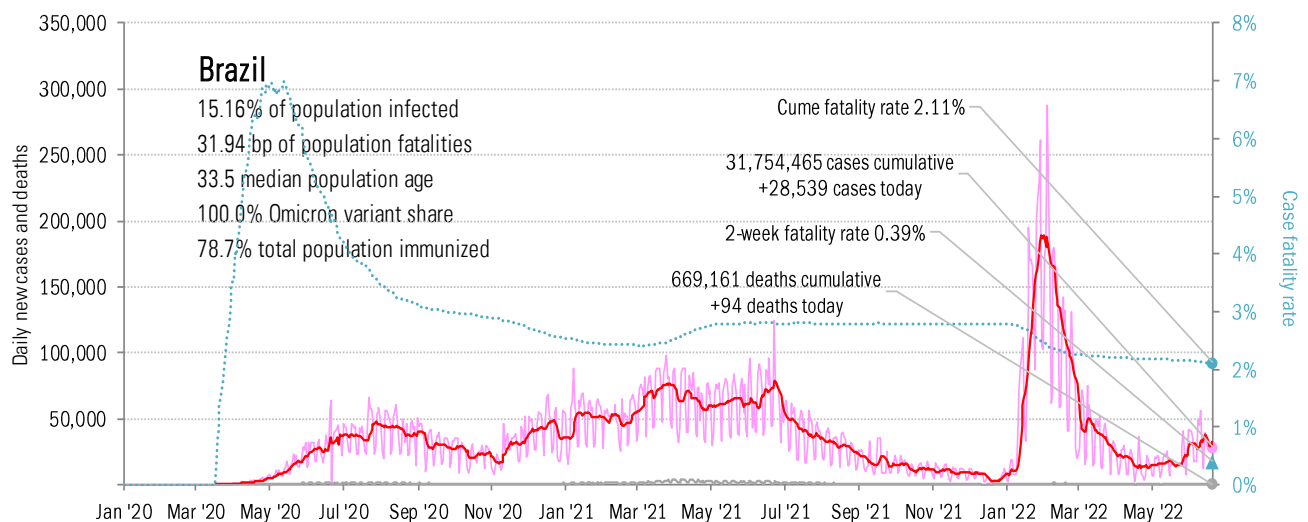
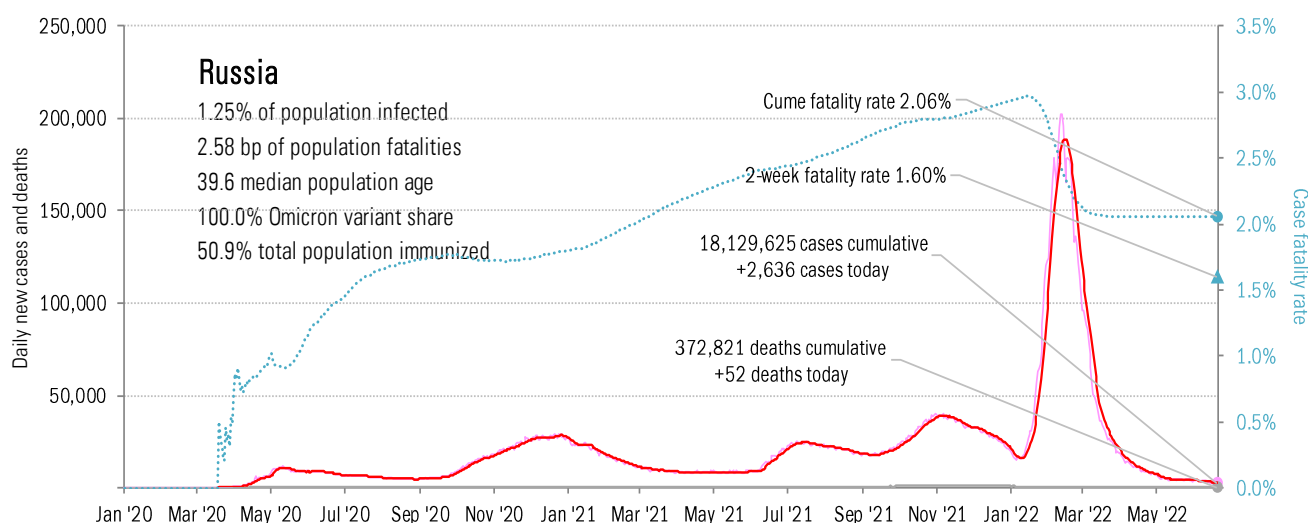
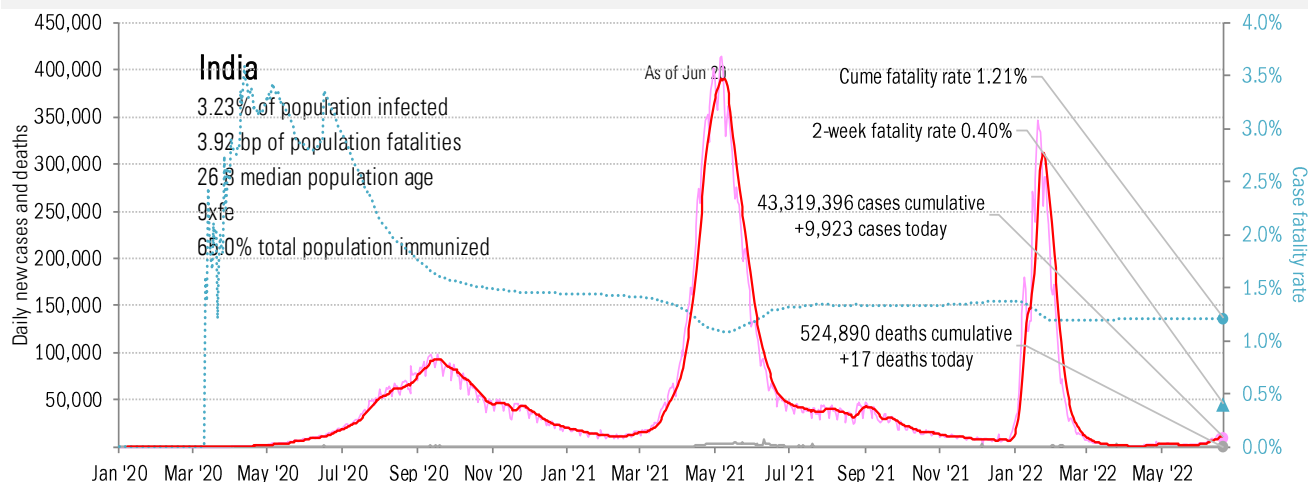
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

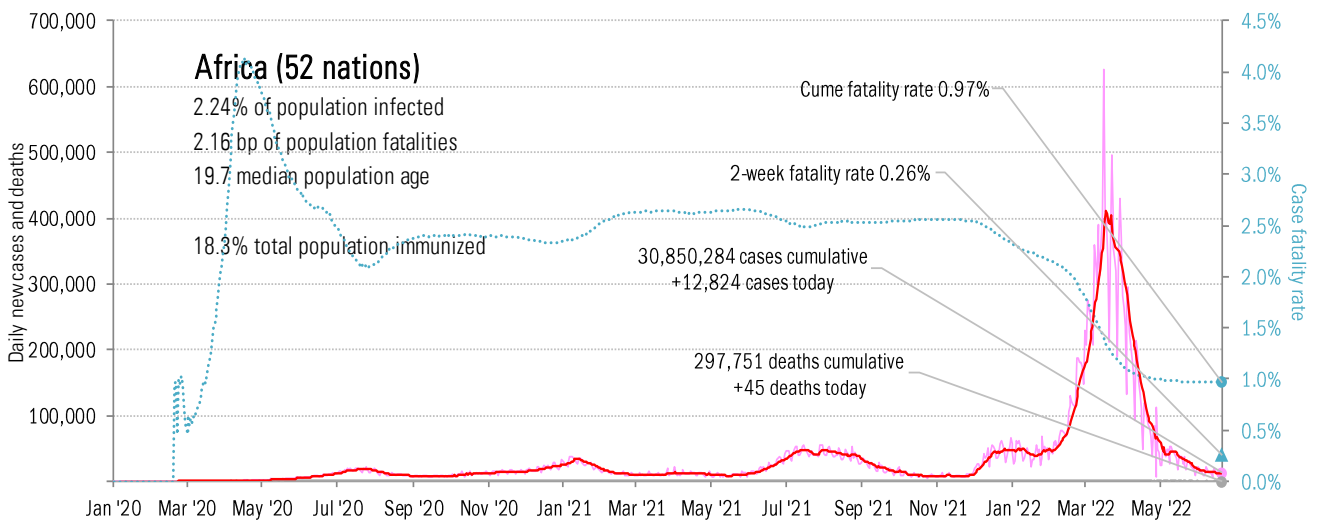
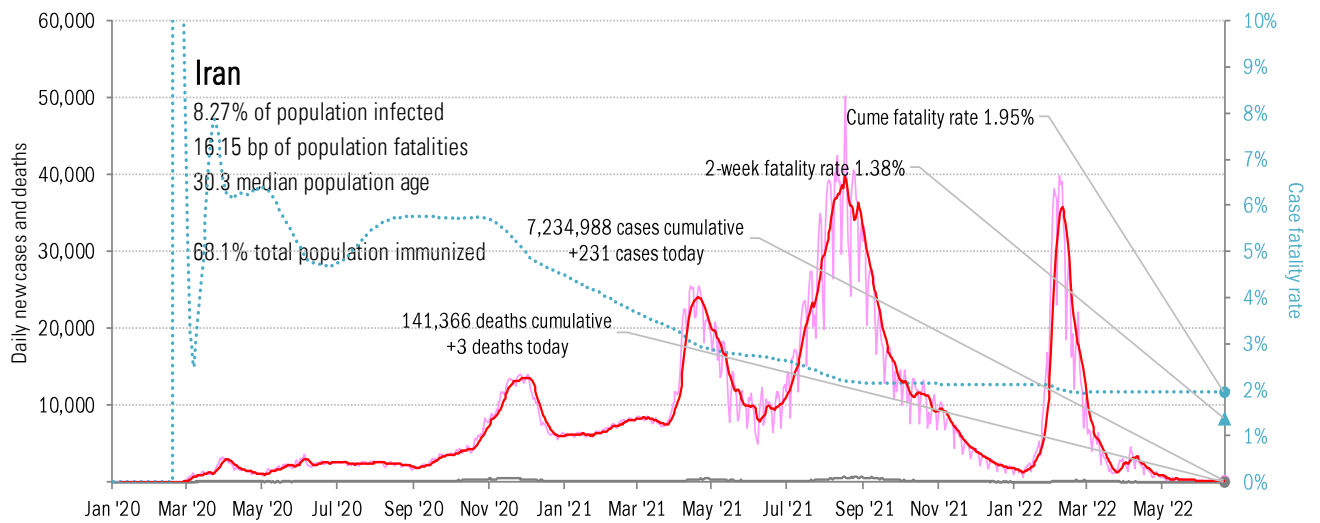
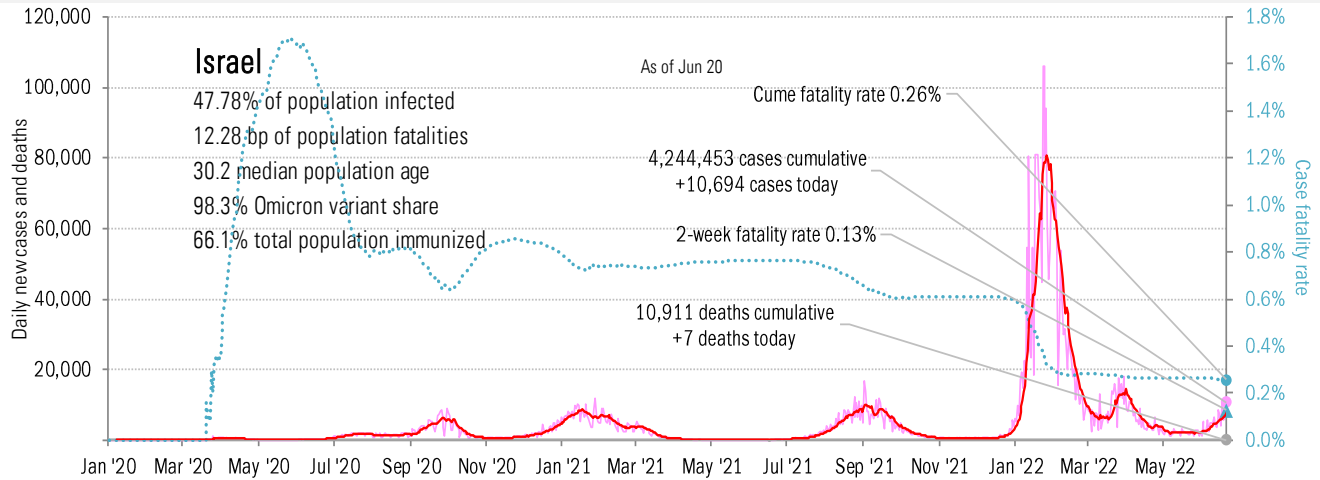
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

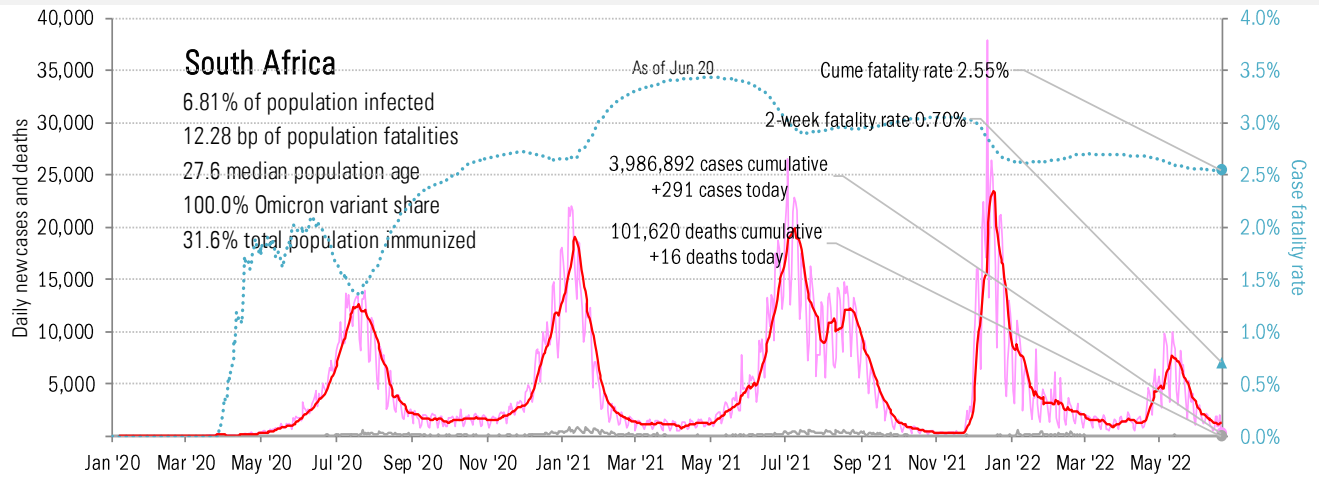
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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