

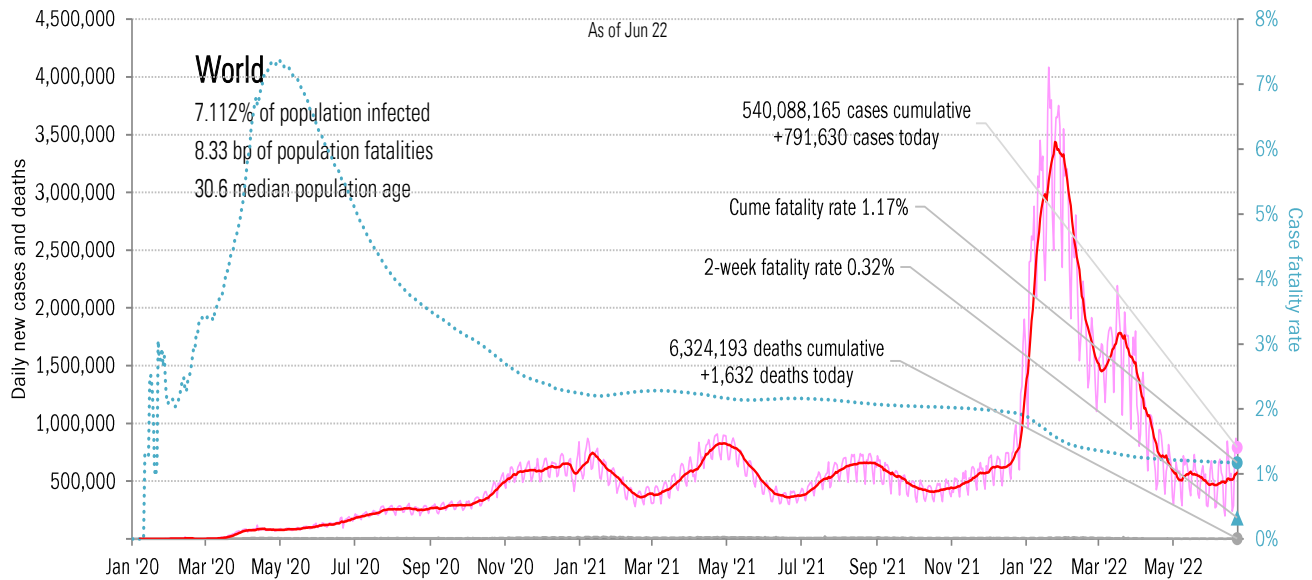
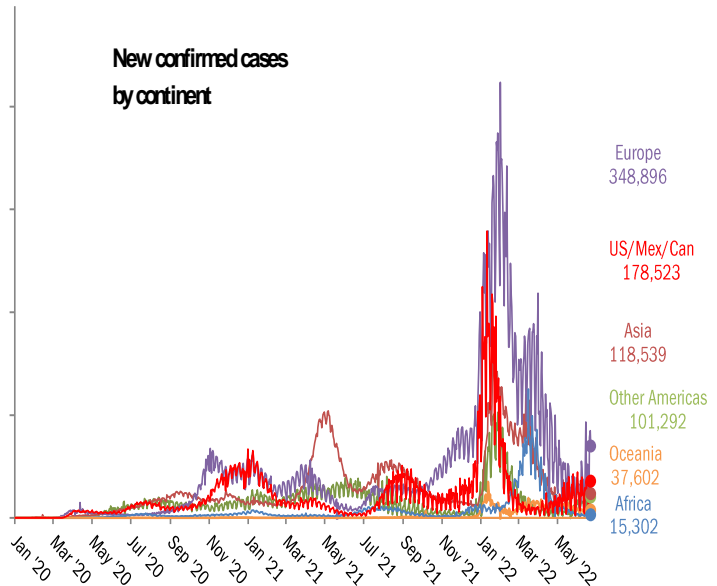
## Data Insights: Covid-2019 Monitor

Thursday, June 23, 2022

### The global scorecard

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

The worst ten countries			
New cases		New Deaths	
United States	175,550	United States	460
Germany	119,360	Taiwan*	171
France	78,123	Brazil	140
Brazil	71,906	Germany	98
Italy	54,873	United Kingdom	77
Taiwan*	52,218	France	66
United Kingdom	33,406	Russia	63
Australia	32,034	South Africa	57
Japan	17,263	Australia	52
Portugal	15,372	Italy	50
<b>650,105</b>		<b>1,234</b>	
World	791,630	World	1,632
Top ten	82%	Top ten	76%



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

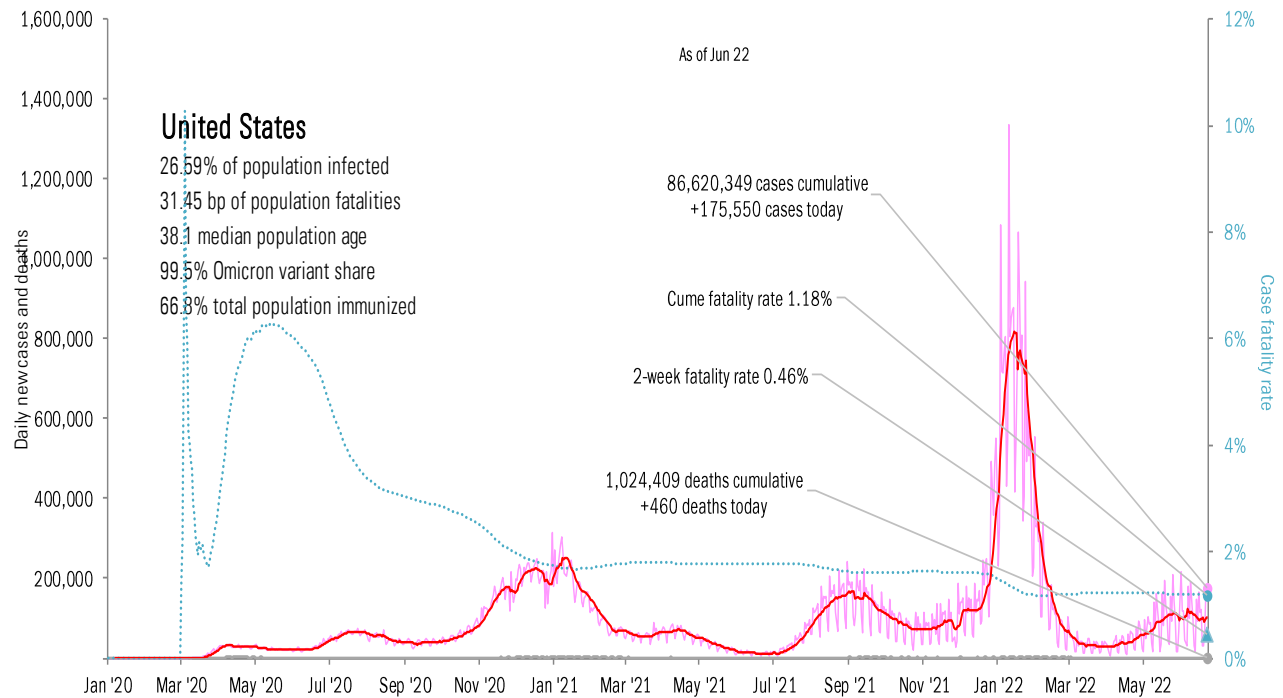
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
NC	19,098		GA	87		GA	177		CA	9,963,596		CA	92,008		TX	500,711		RI	91%	TX	87%
GA	18,425		PA	77		CA	526		TX	7,103,399		TX	88,584		CA	445,271		MA	85%	DE	85%
PA	12,326					SC	90		FL	6,388,674		FL	75,336		FL	438,116		WA	84%	NH	83%
WA	11,799					AZ	143		NY	5,564,394		NY	69,507		NY	268,352		MN	84%	MA	81%
MI	10,681					TX	347		IL	3,398,128		PA	45,657		GA	208,736		GA	83%	NE	81%
FL	10,609					LA	91		PA	2,987,357		CH	38,657		CH	198,569		DE	82%	AL	80%
TX	9,038					AK	16		NC	2,843,077		IL	38,463		PA	185,652		NH	82%	RI	80%
NV	7,073					MT	28		CH	2,815,069		GA	38,447		IL	166,923		MO	82%	AK	79%
CA	6,069		WA	41		PA	150		GA	2,626,597		MI	36,744		MI	149,070		PA	81%	WA	79%
H	5,482		MA	39		WA	96		MI	2,592,078		NJ	33,966		KY	135,552		MD	81%	NM	78%
	110,600			590			1,664			46,282,369			557,369			2,696,952					
All states	175,550			460			4,562		All states	86,620,349			1,024,409			4,899,912		All states	70%		67%
Top ten	63%			128%			36%		Top ten	53%			55%			55%		Median	75%		73%

Some states not reporting

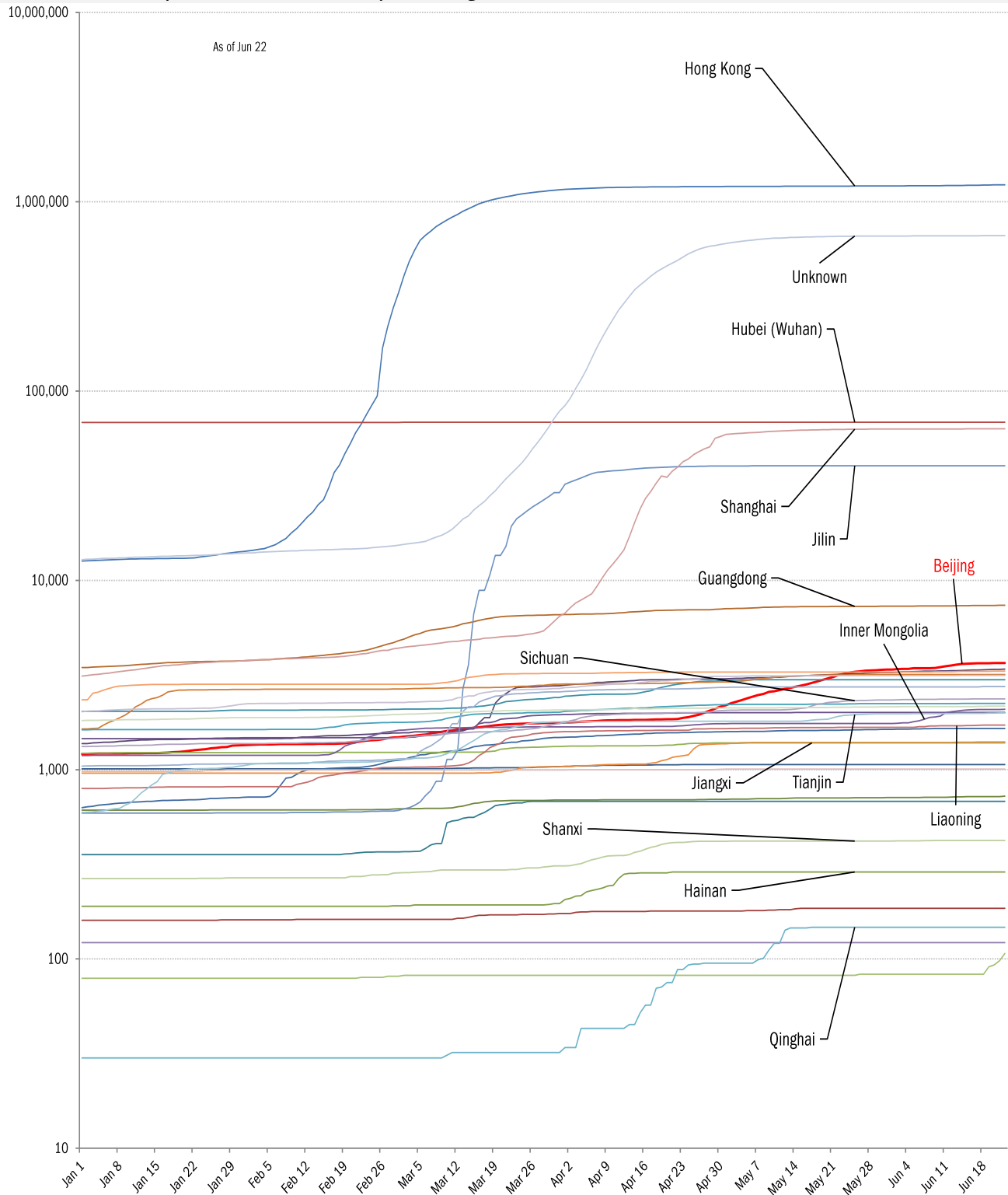
## Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
CA	-44,633	FL	-150	FL	-100	WY	+10 bp
SC	-10,621	CA	-43	NY	-57	ID	+10 bp
TX	-8,980	CT	-16	TX	-42	MC	+10 bp
IL	-8,815	SC	-12	AL	-39	NV	+10 bp
NY	-6,582	AR	-8	NC	-32	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

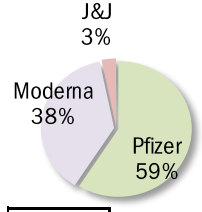
# Rolling out the vaccines in the US and the world

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%	53,555,556	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

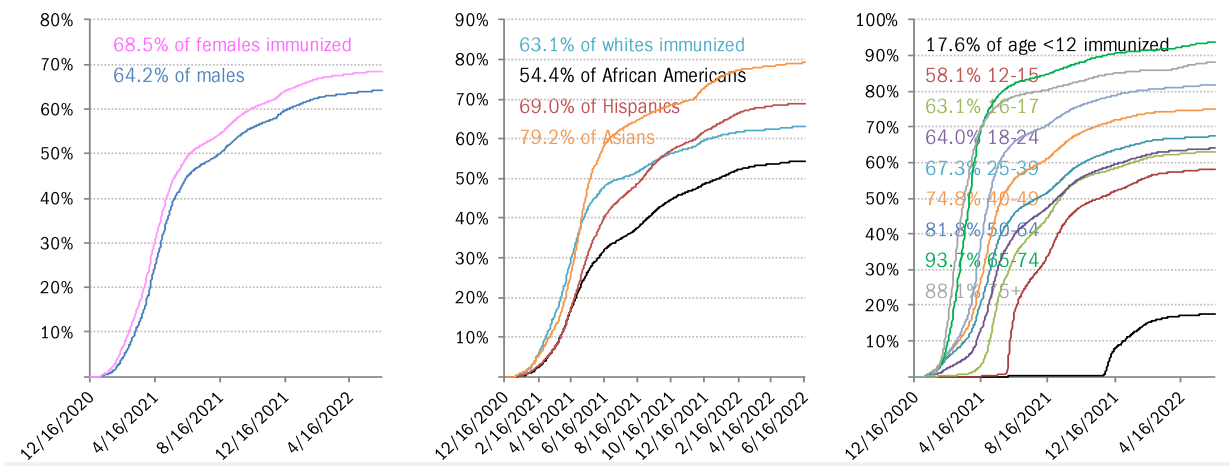
\*Immunity\* = two doses

State
HI
88.0%
78.8%

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%										
FL										
80.0%										
67.5%										
PR										
95.0%										
83.5%										

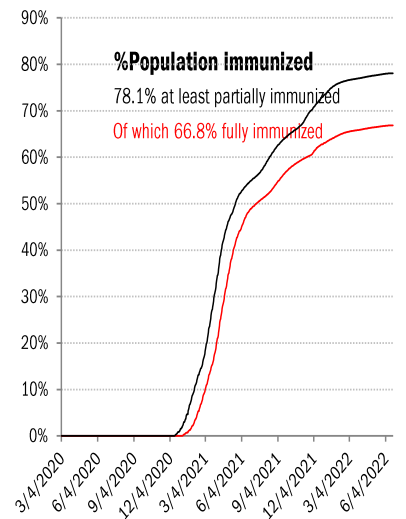
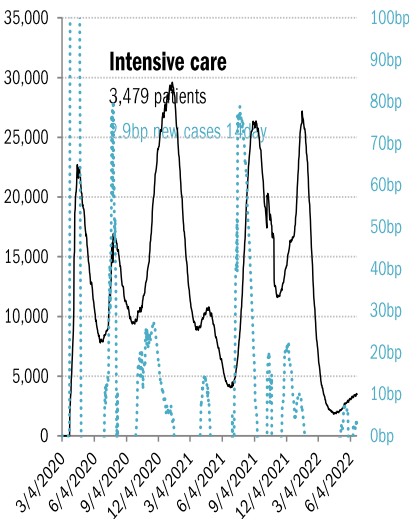
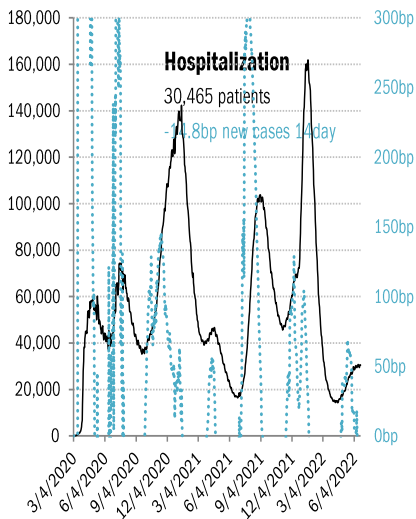
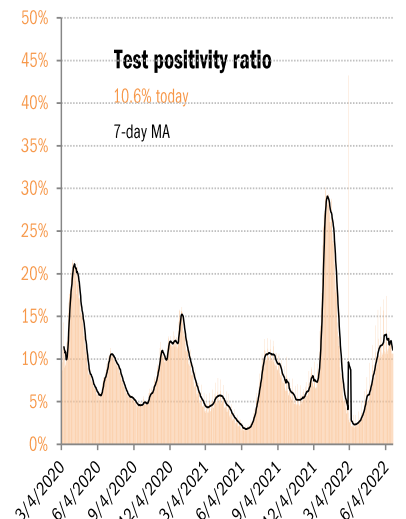
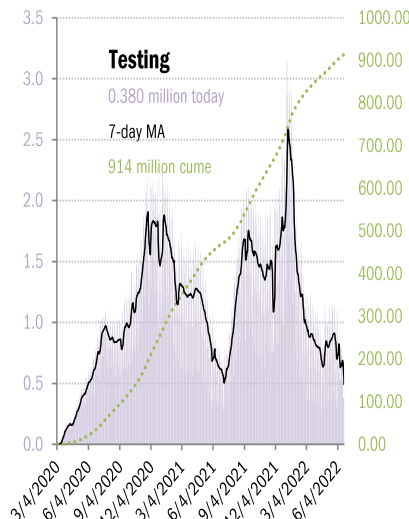
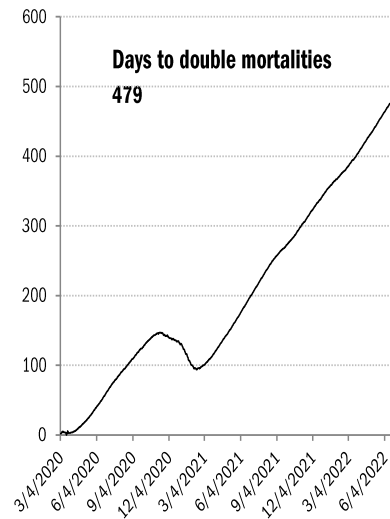
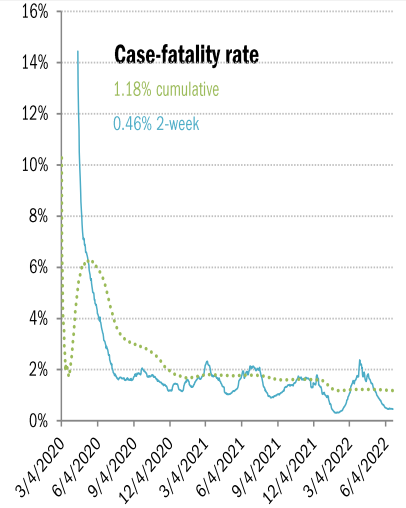
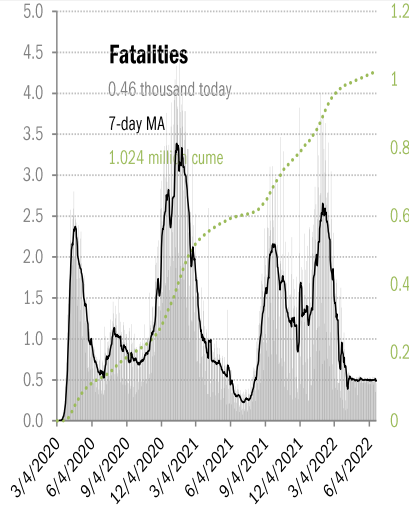
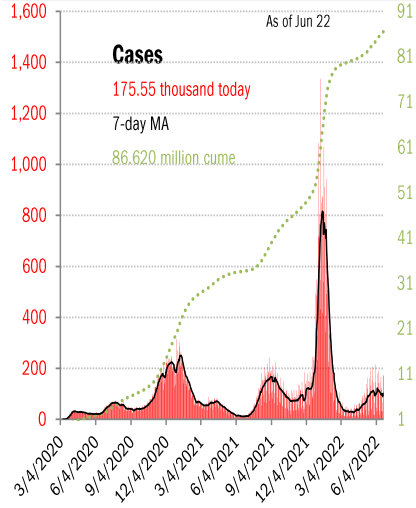
## The demographics of US vaccination



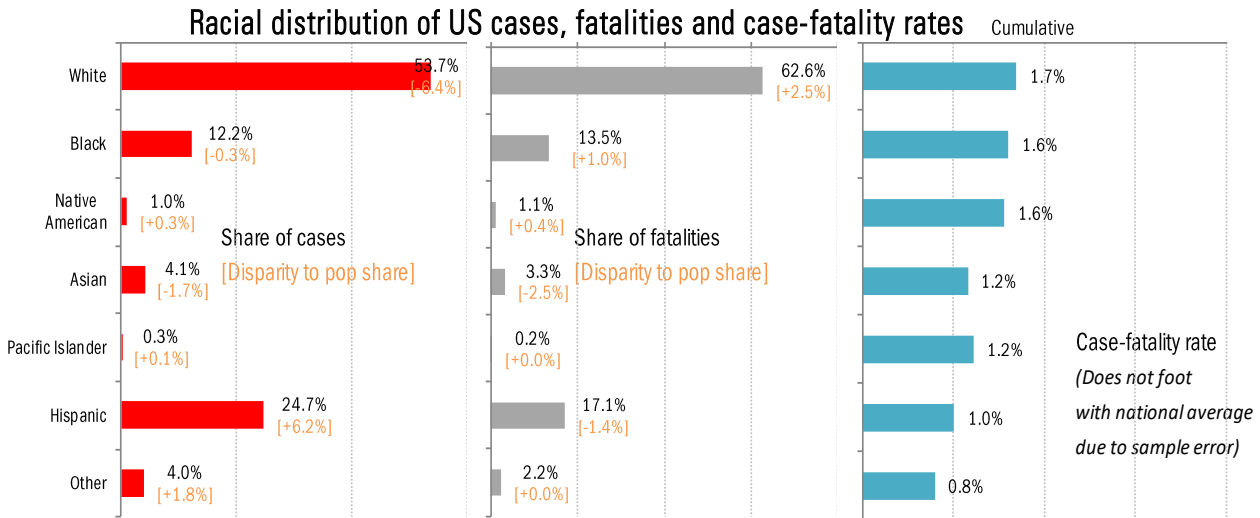
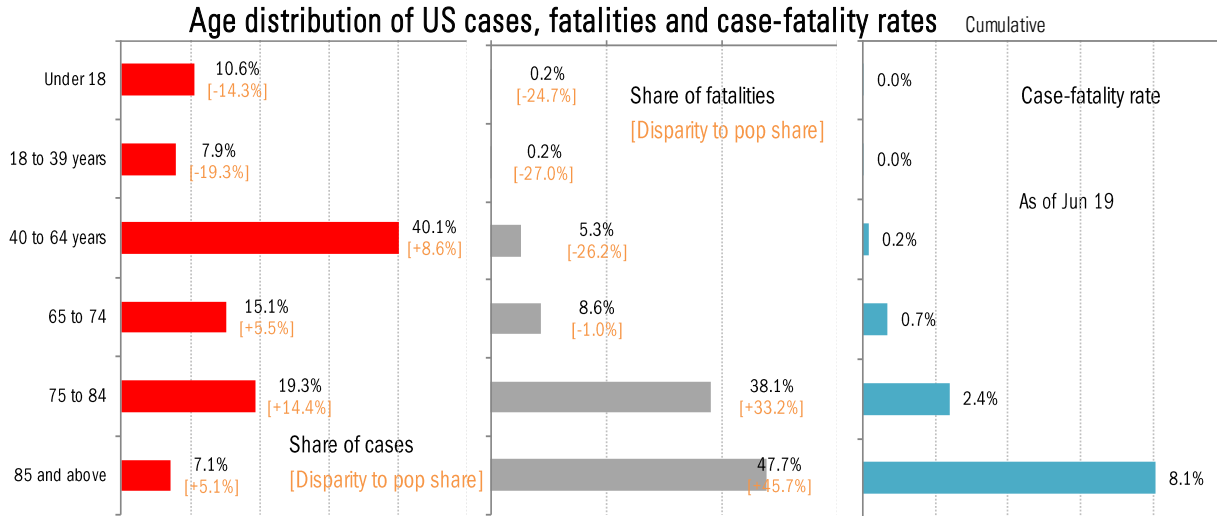
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

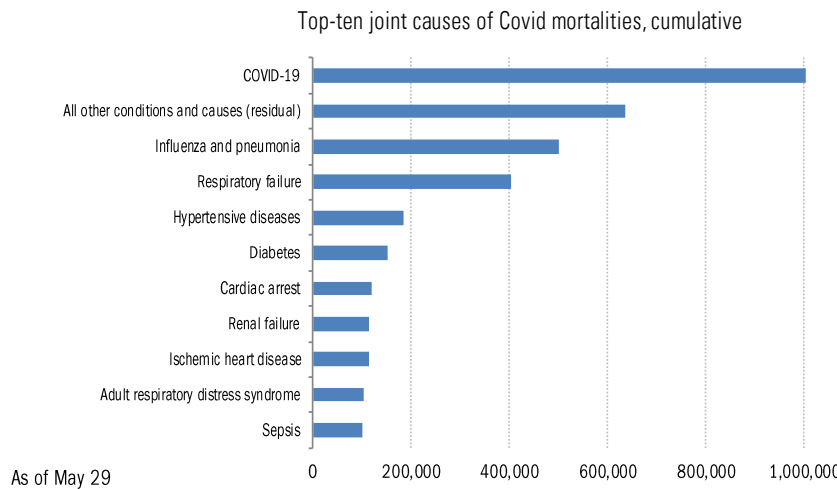
National and state-by-state data do not line up because of different sources



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

### [The Revenge of the Locked-Down Voters](#)

Daniel Henninger  
*Wall Street Journal*  
June 22, 2022

### [COVID-stricken Fauci, Rand Paul spar over vaccines at hearing](#)

Emily Crane  
*New York Post*  
June 16, 2022

### [New Ireland? Old couple found dead after a year died during lockdown](#)

Ben Scallan  
*Gript*  
June 21, 2022

### [Serious Adverse Events of Special Interest Following mRNA Vaccination in Randomized Trials](#)

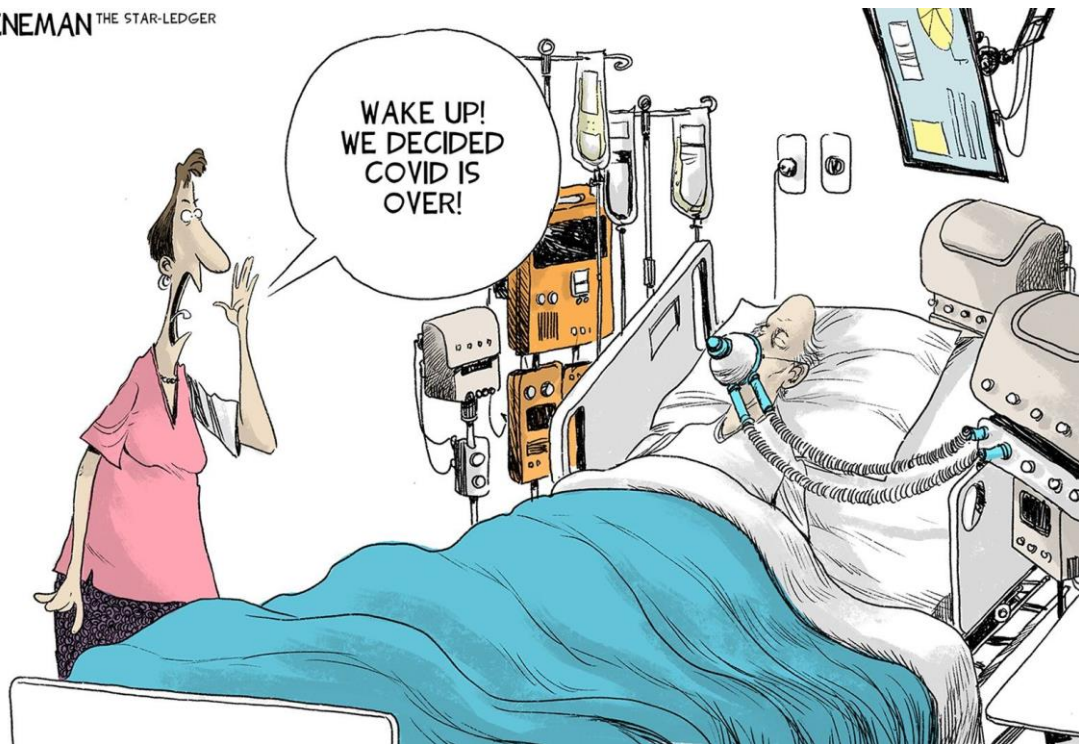
Joseph Fraiman et al.  
*SSRN*  
June 1, 2022

### [Effects of Previous Infection and Vaccination on Symptomatic Omicron Infections](#)

Heba N. Altarawneh  
*New England Journal of Medicine*  
June 15, 2022

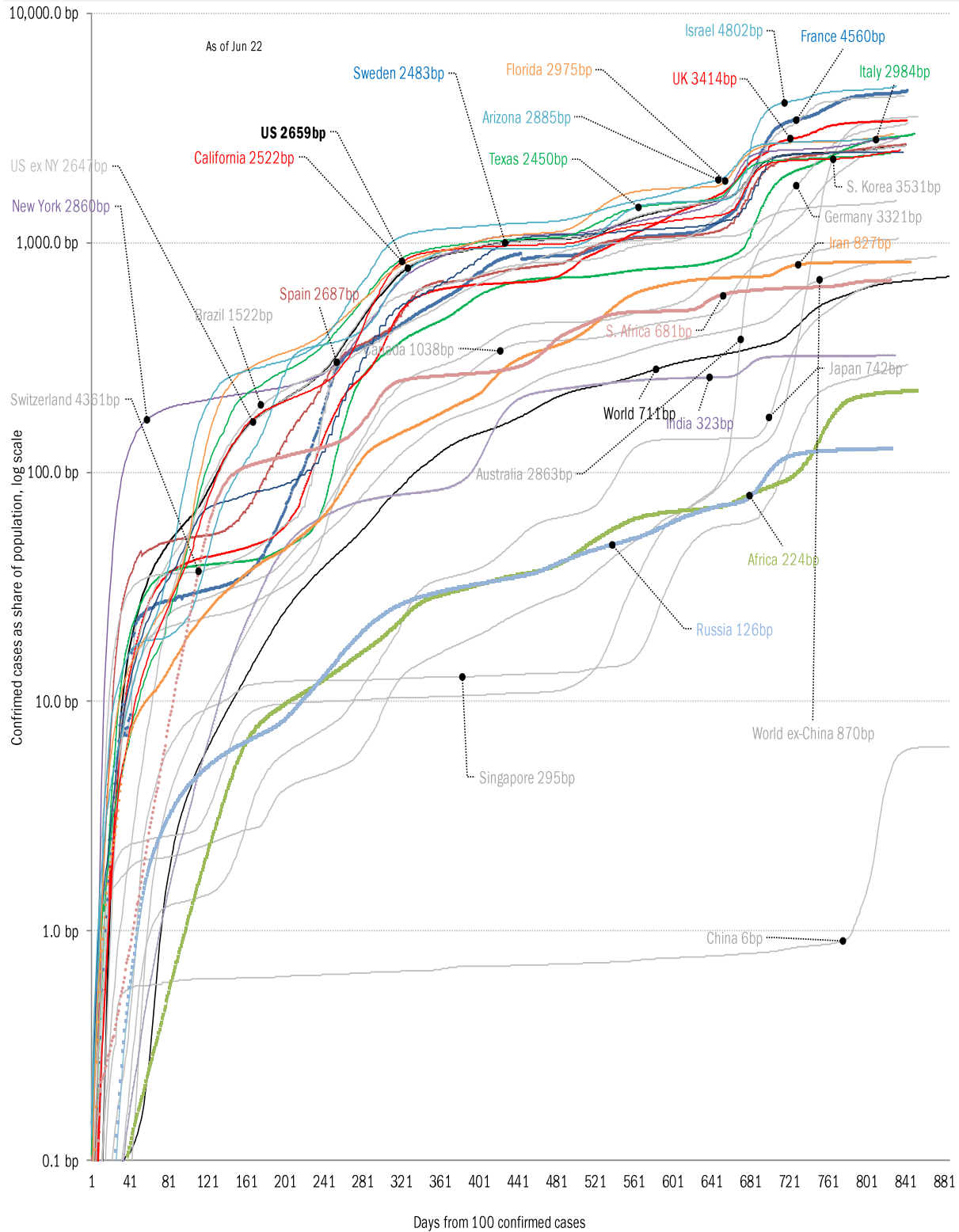
## Meme of the day

SHENEMAN THE STAR-LEDGER



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

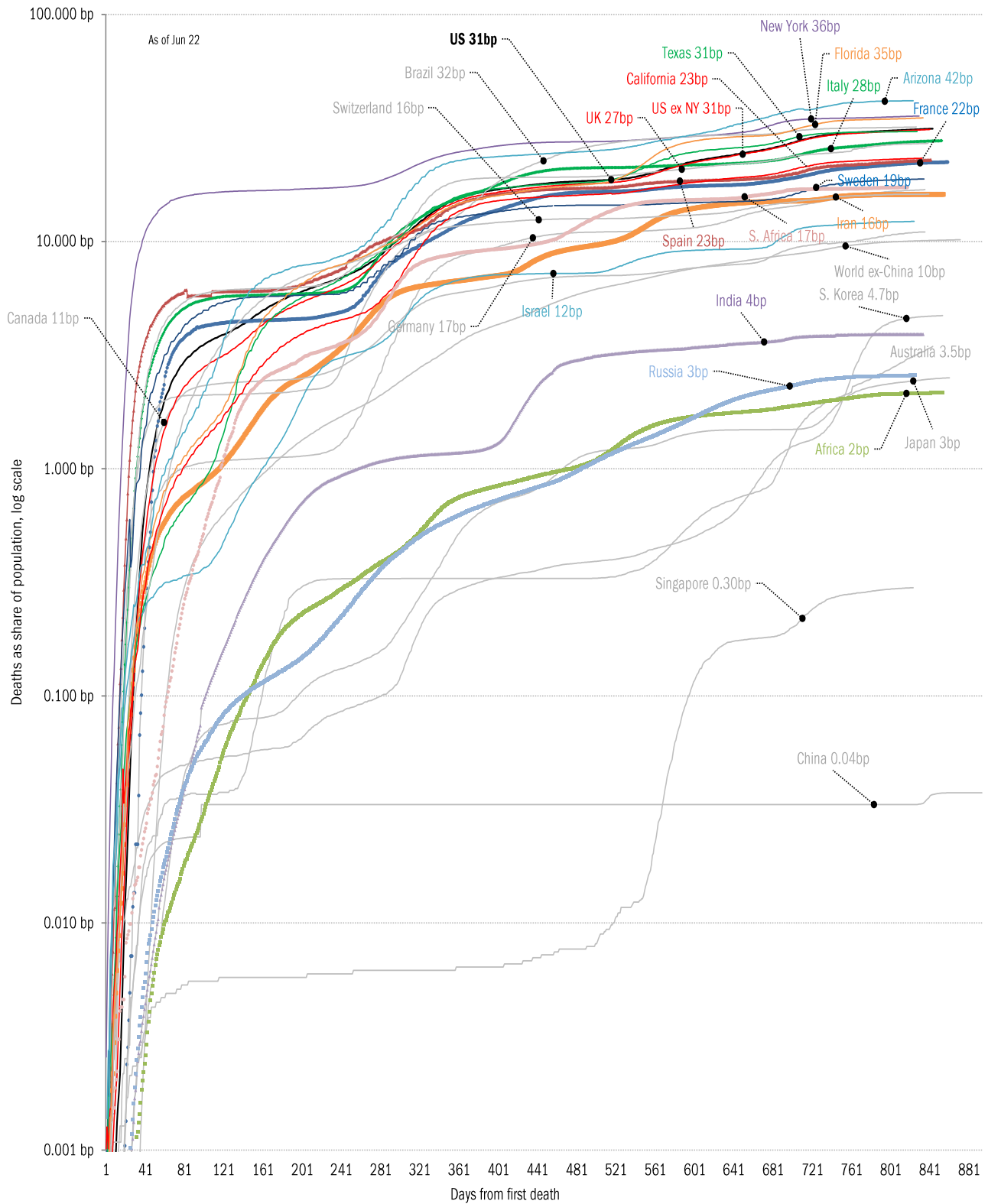
The global coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*

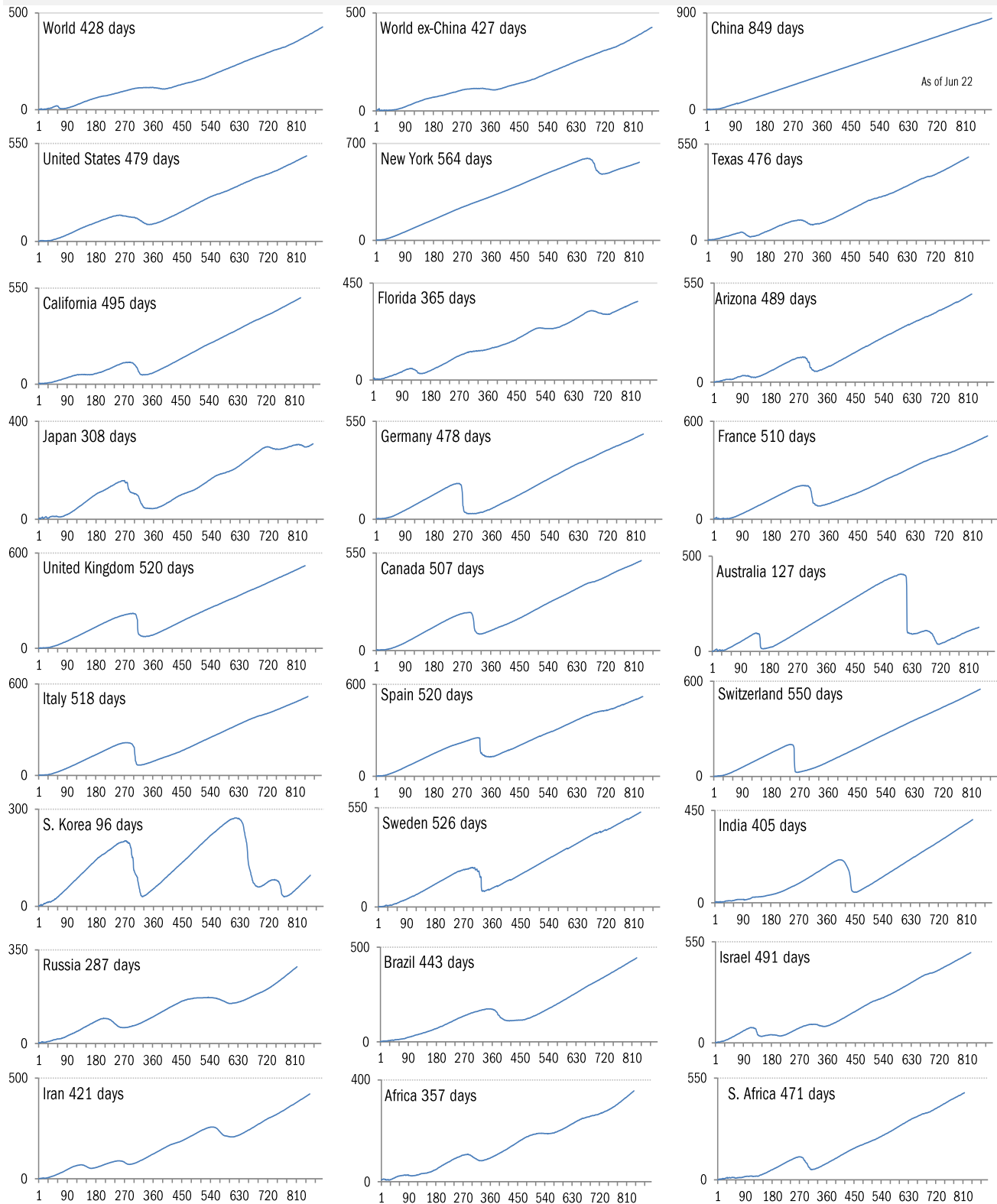


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

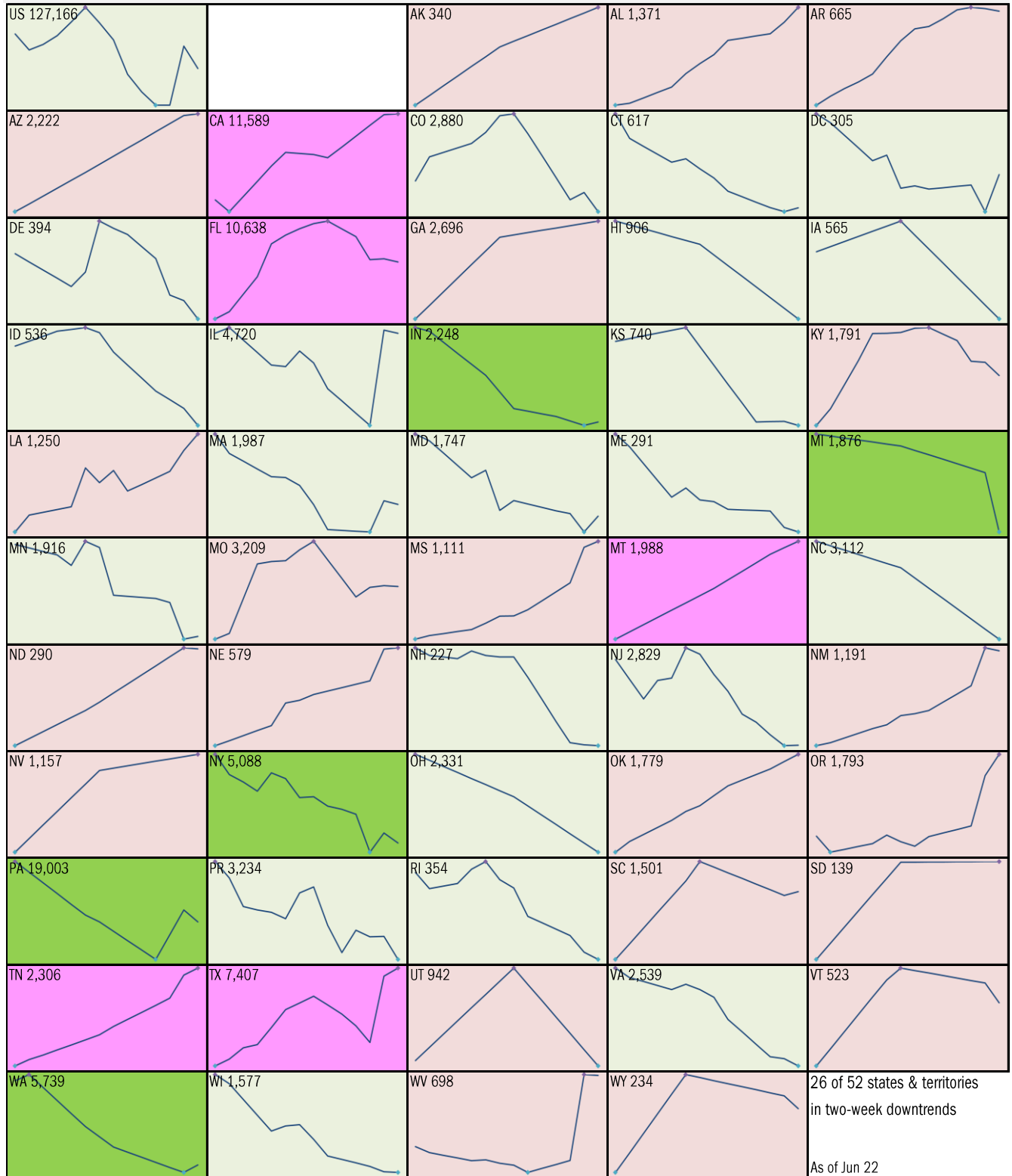


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

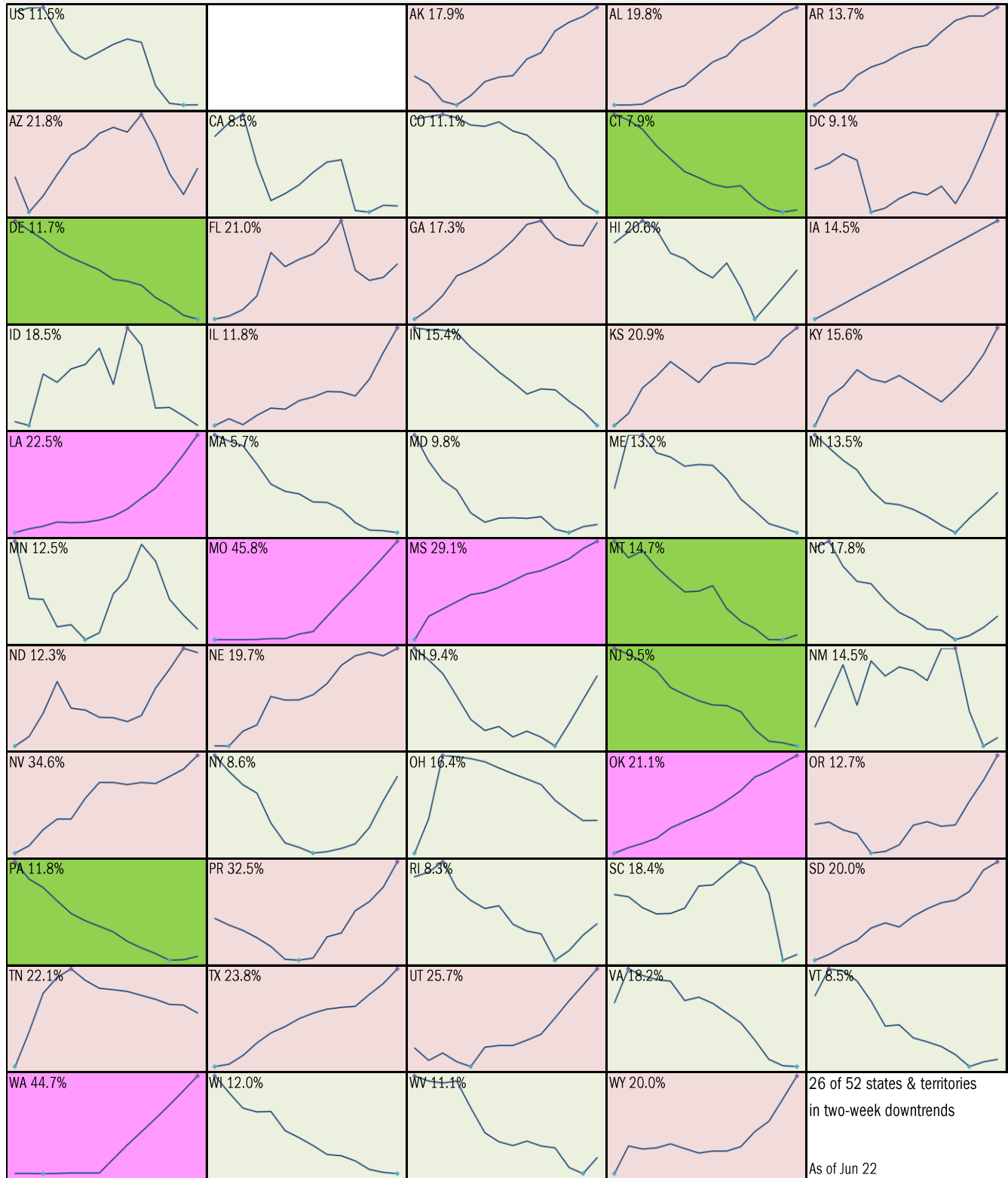


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

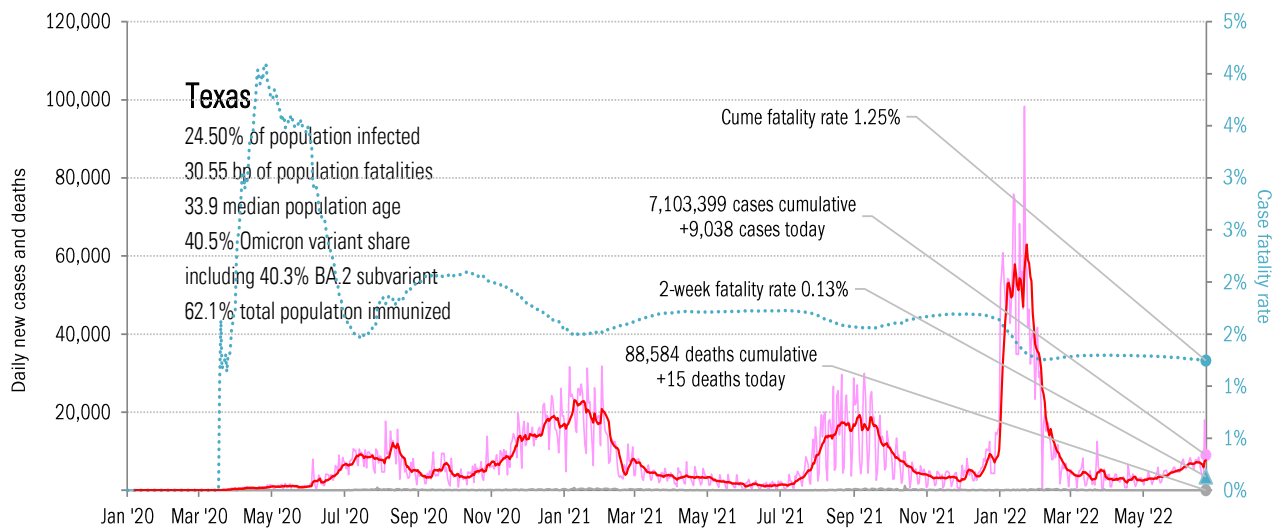
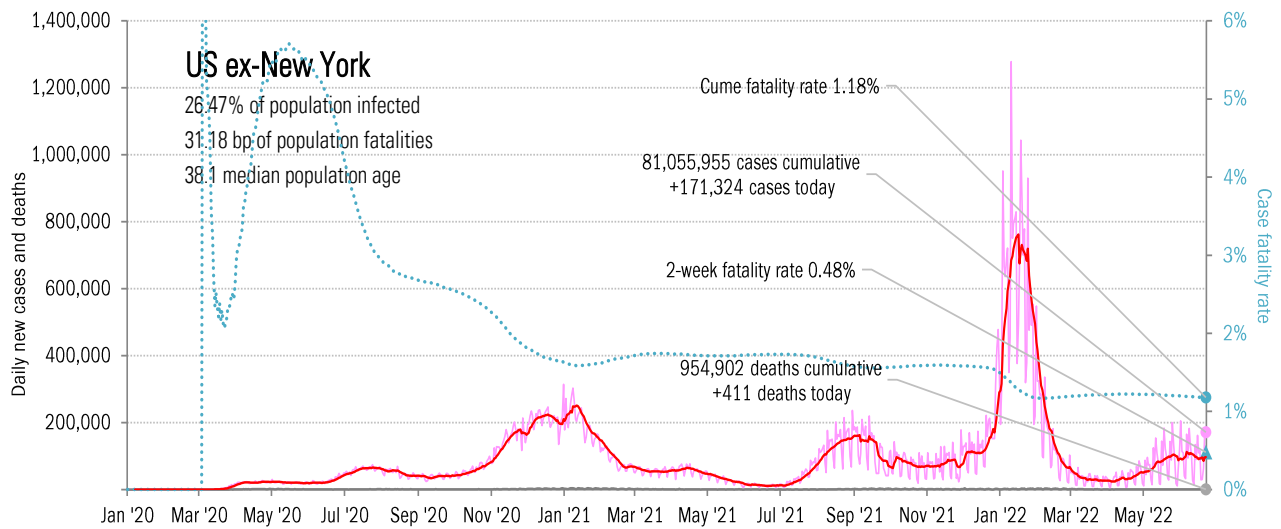
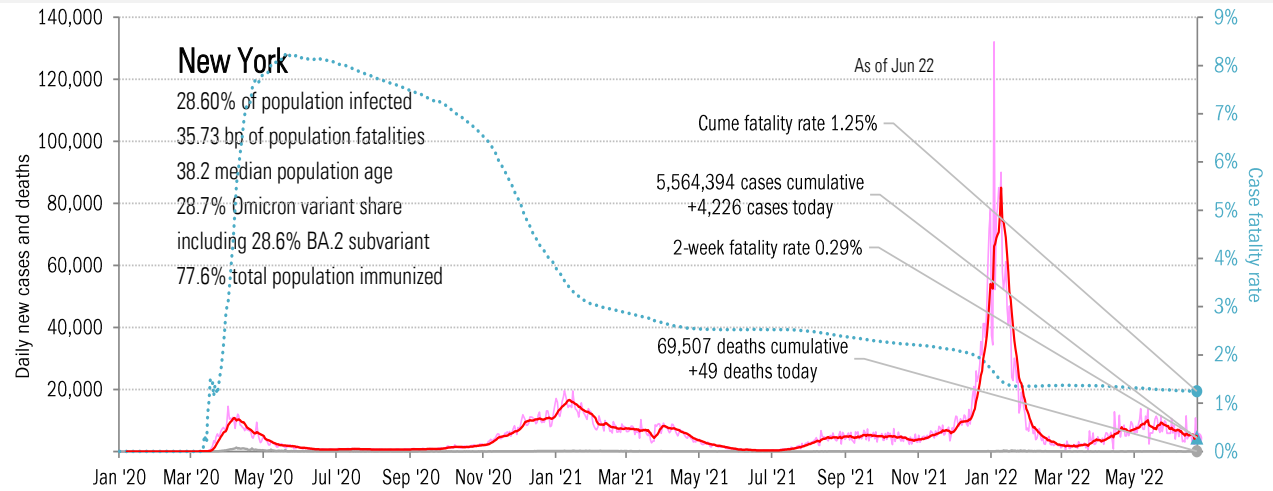
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

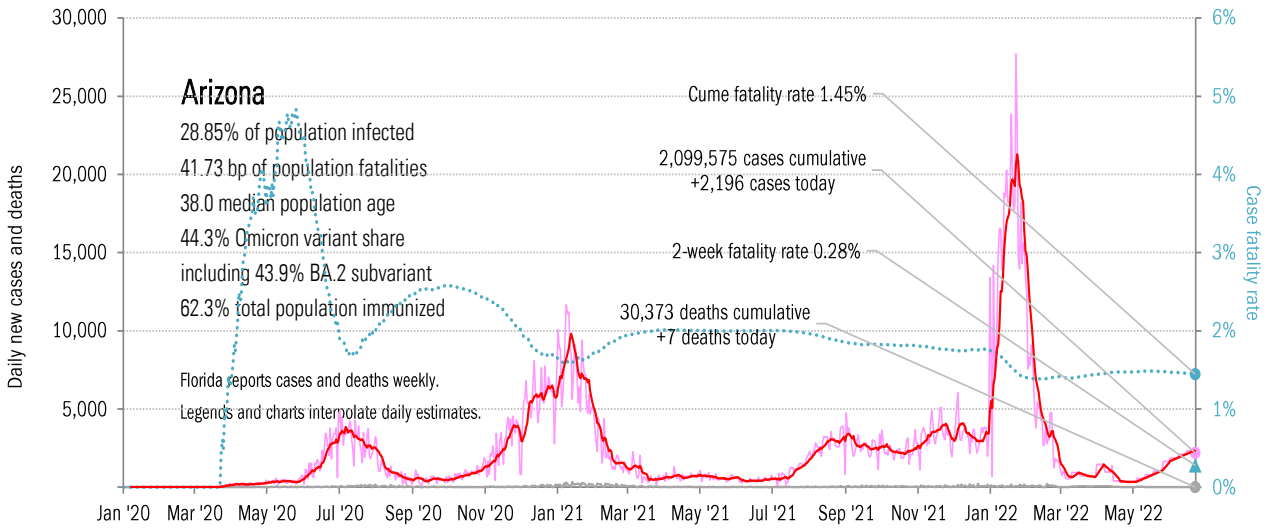
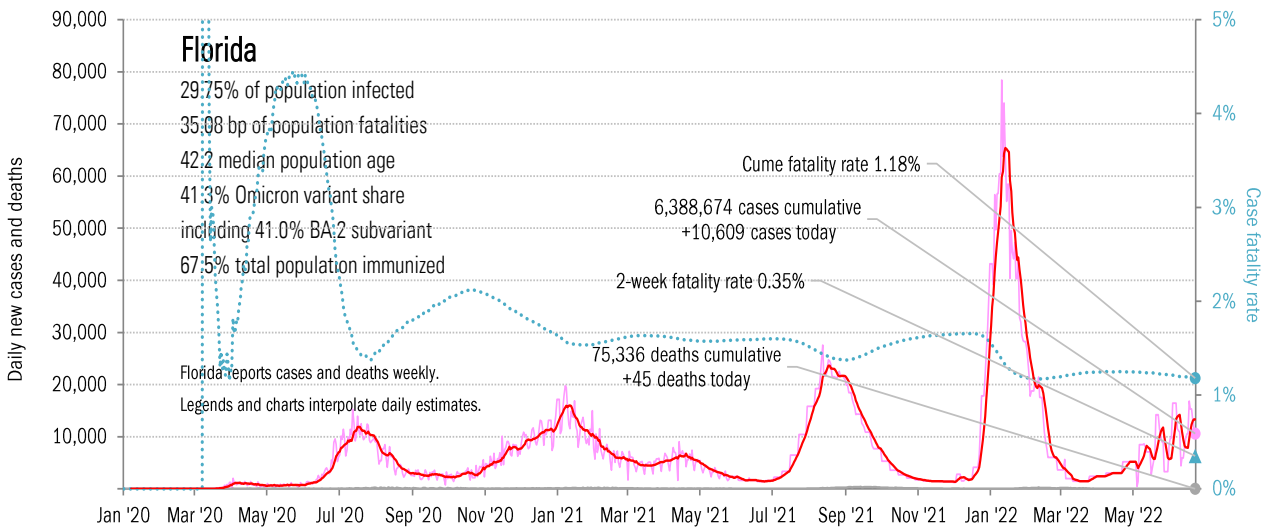
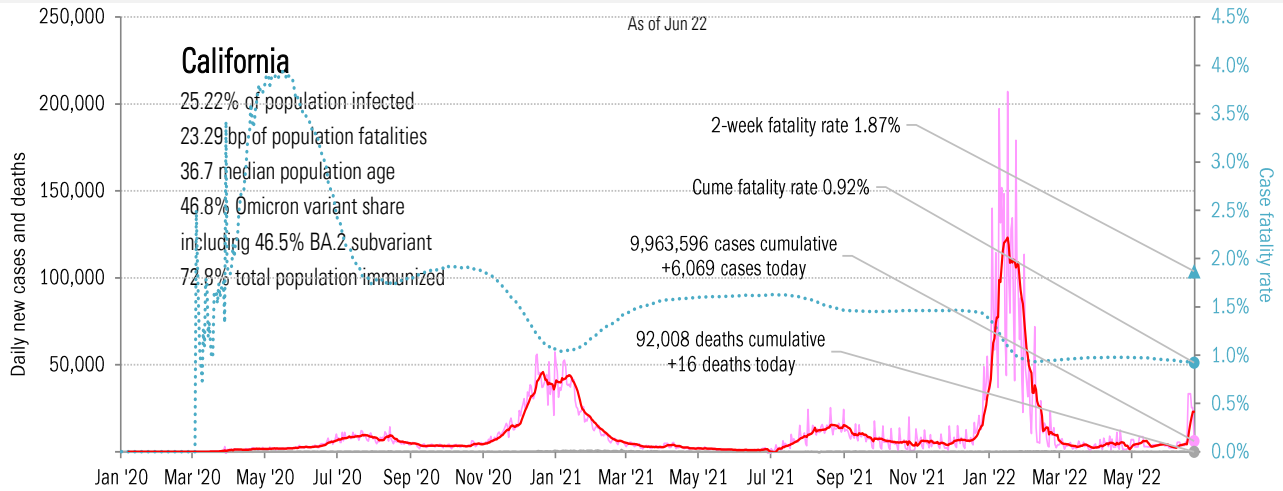
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

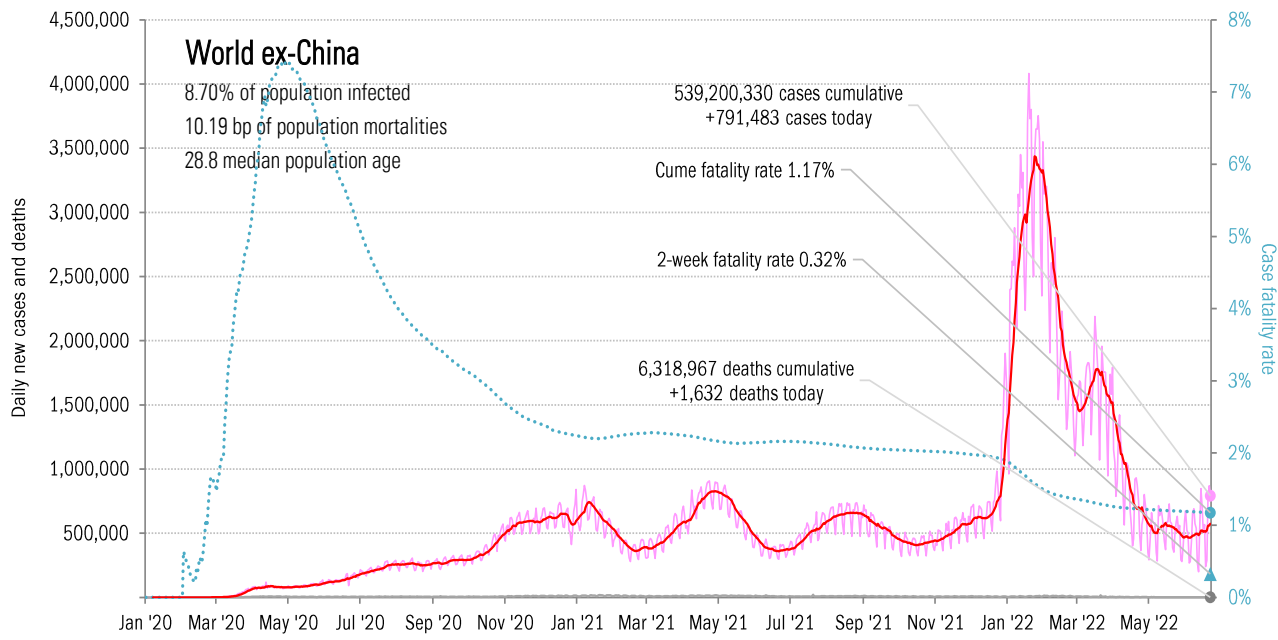
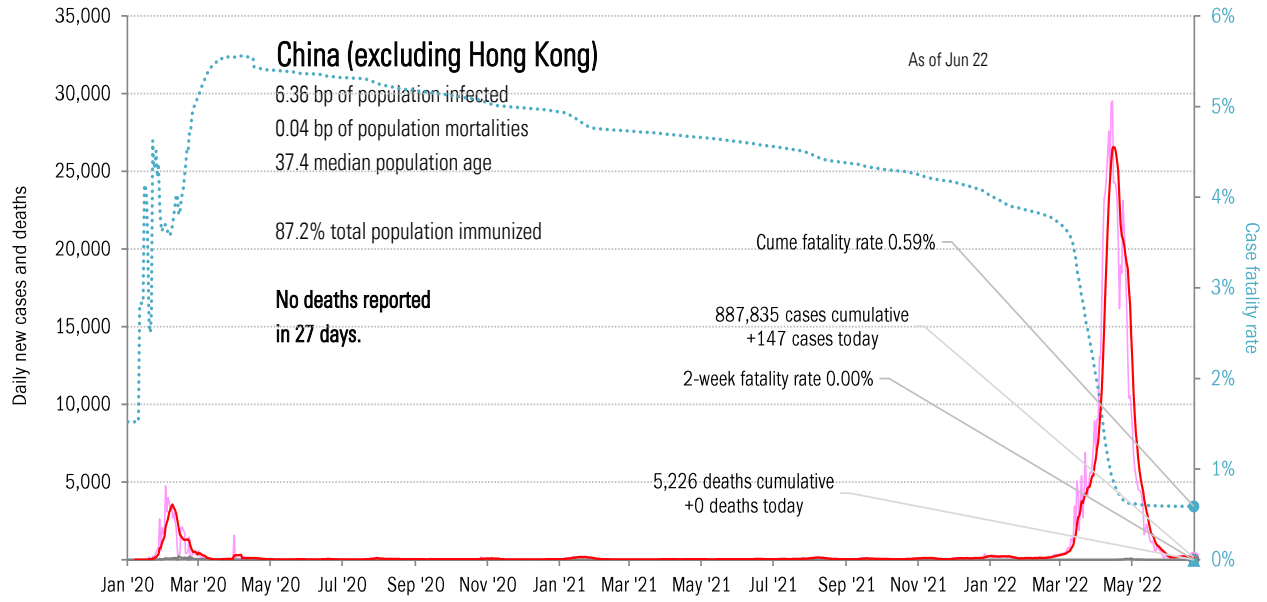
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

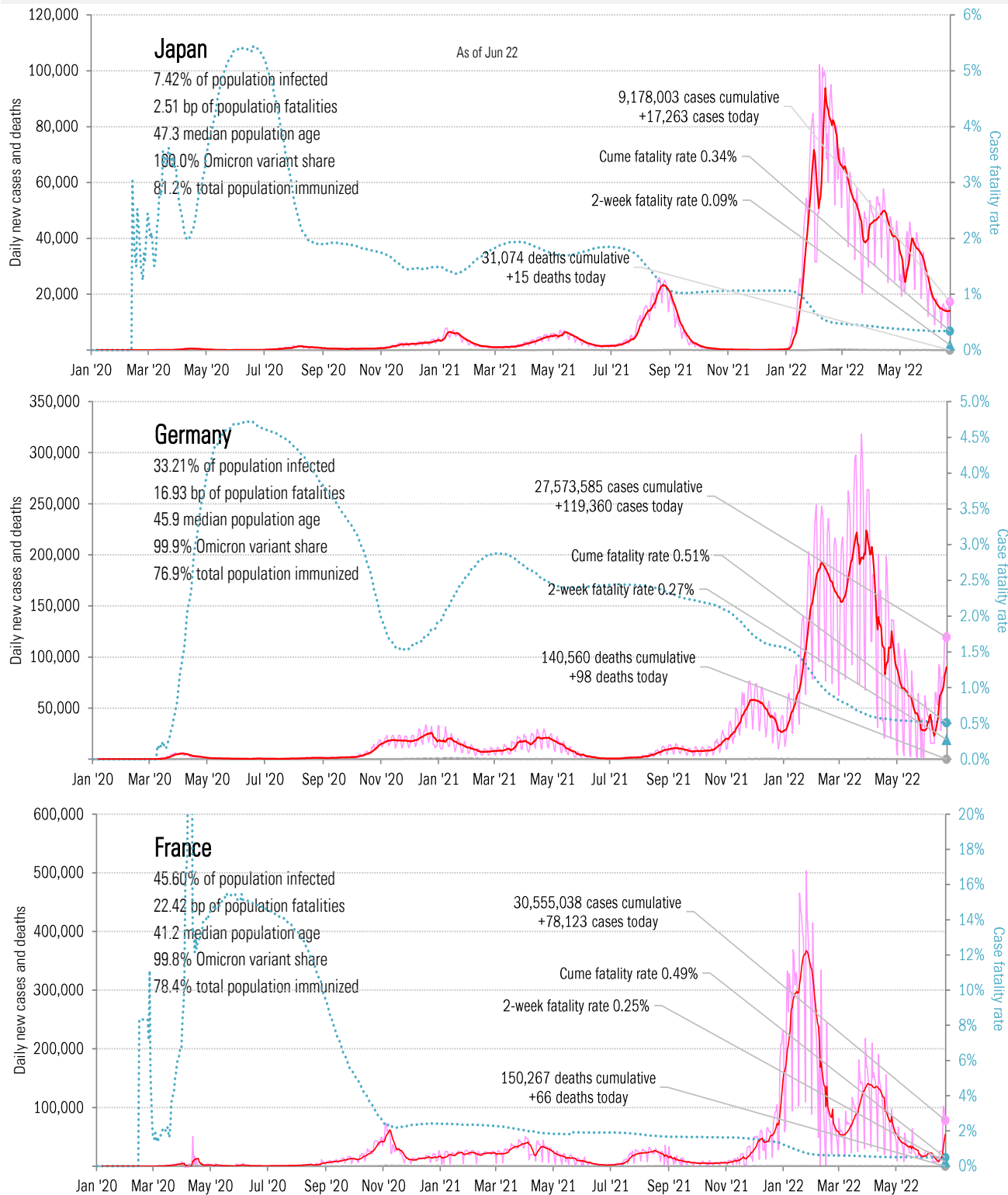
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

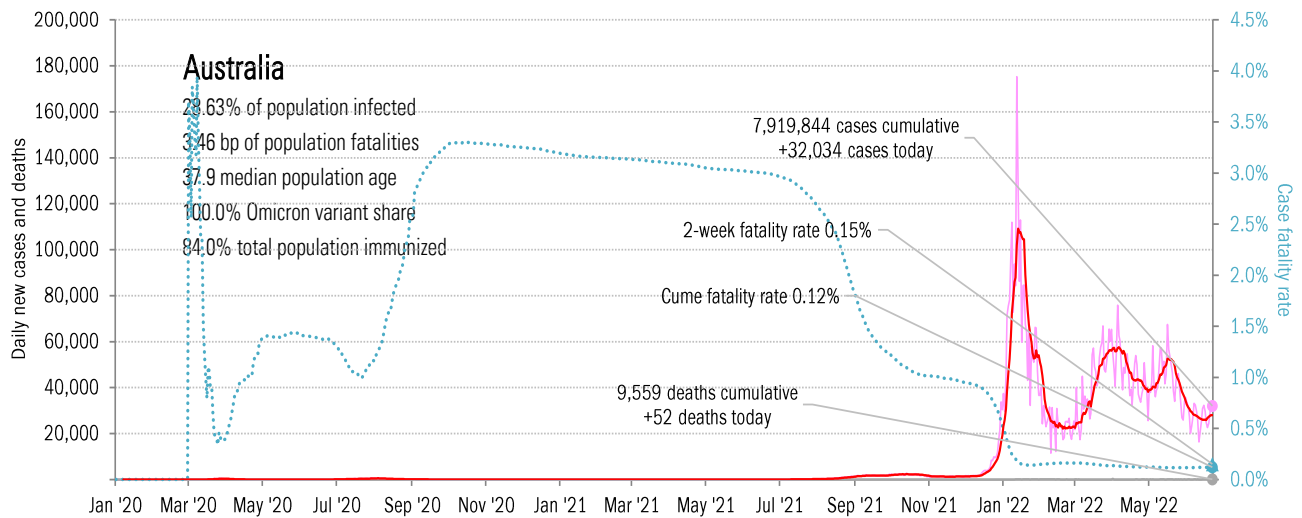
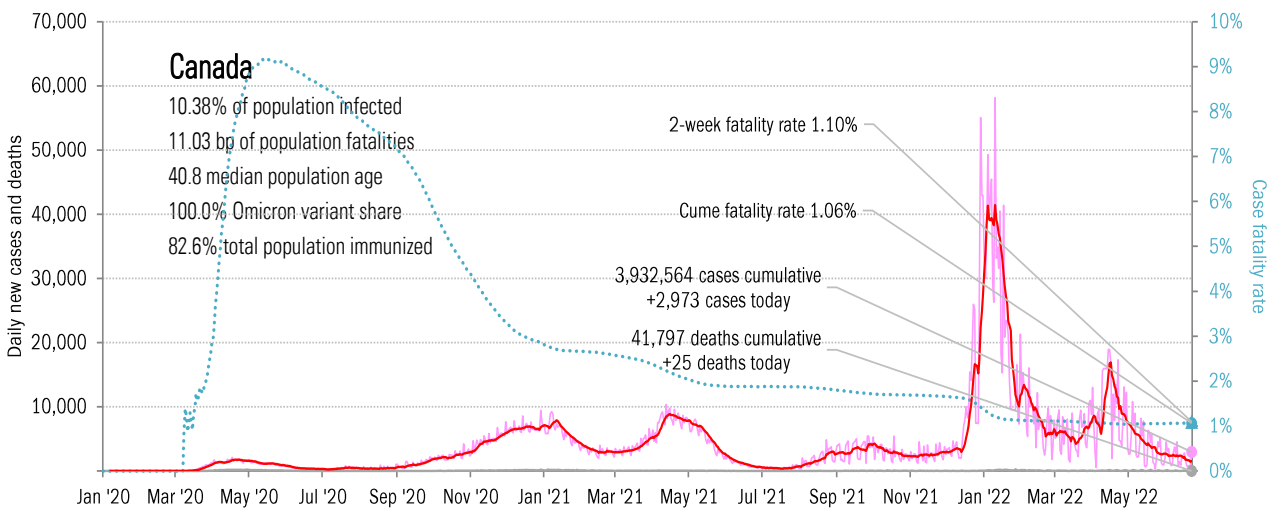
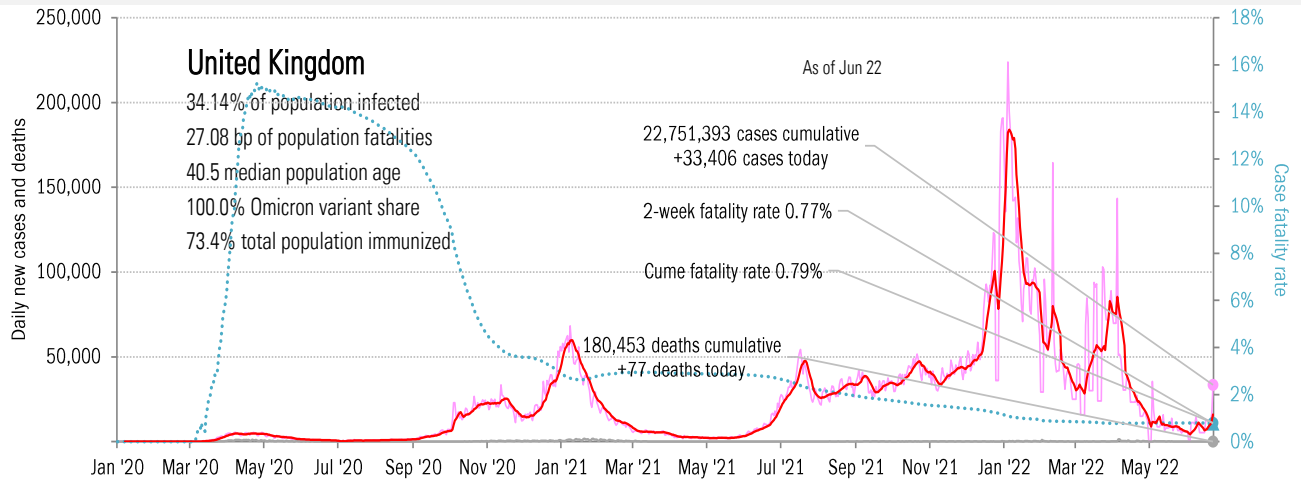


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

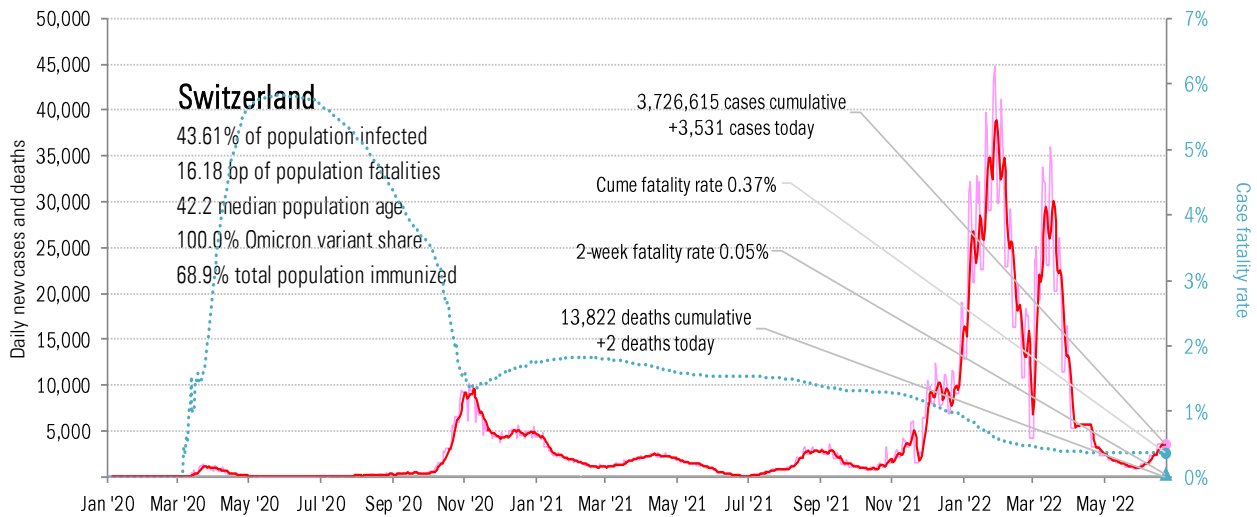
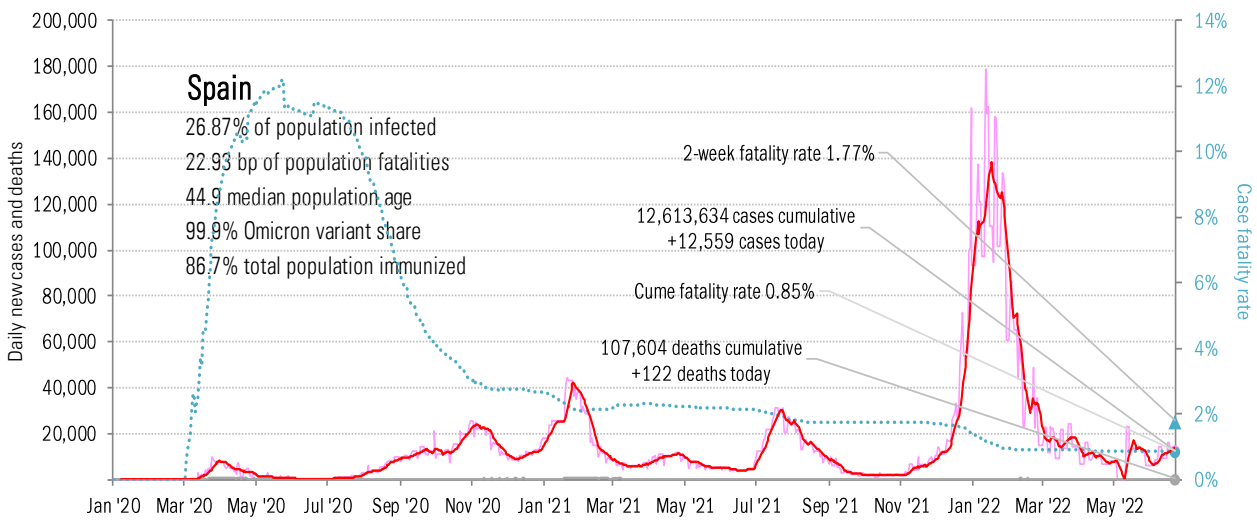
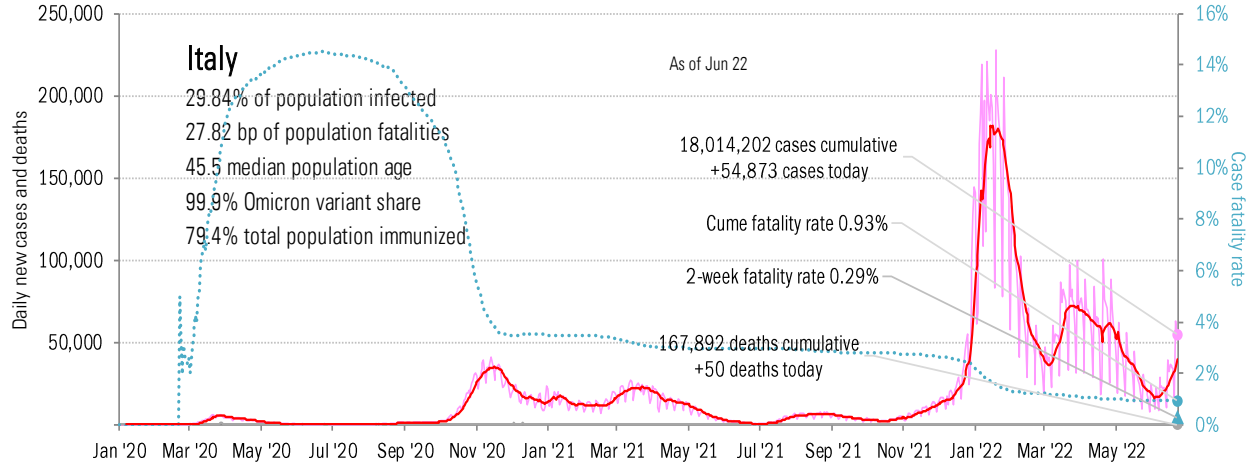
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

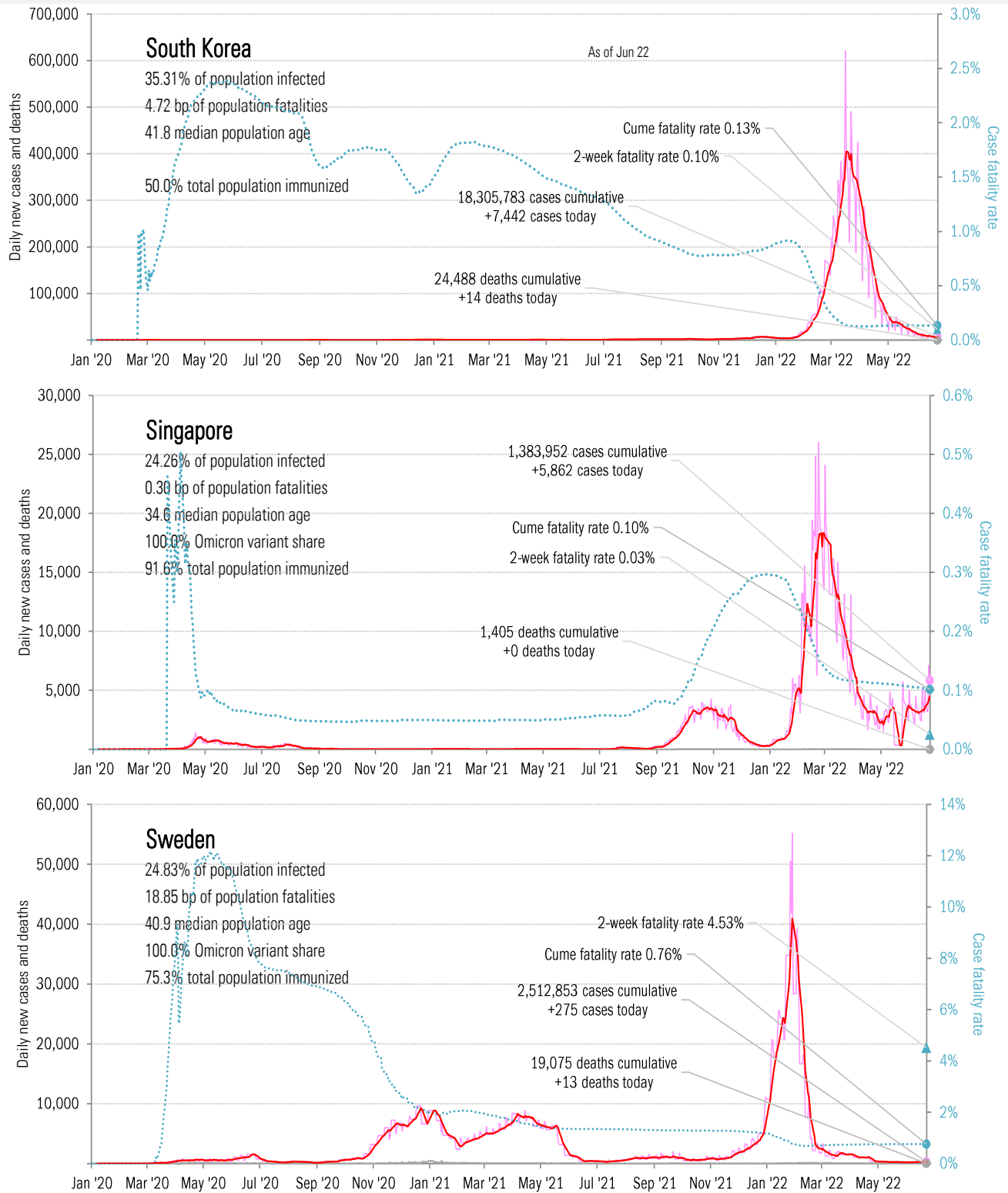
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

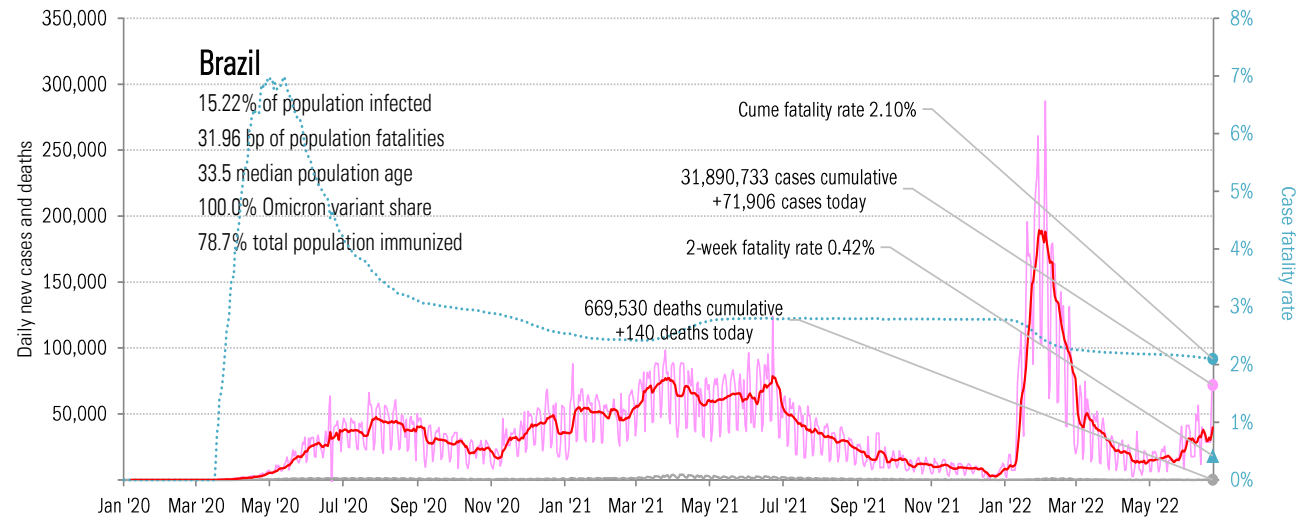
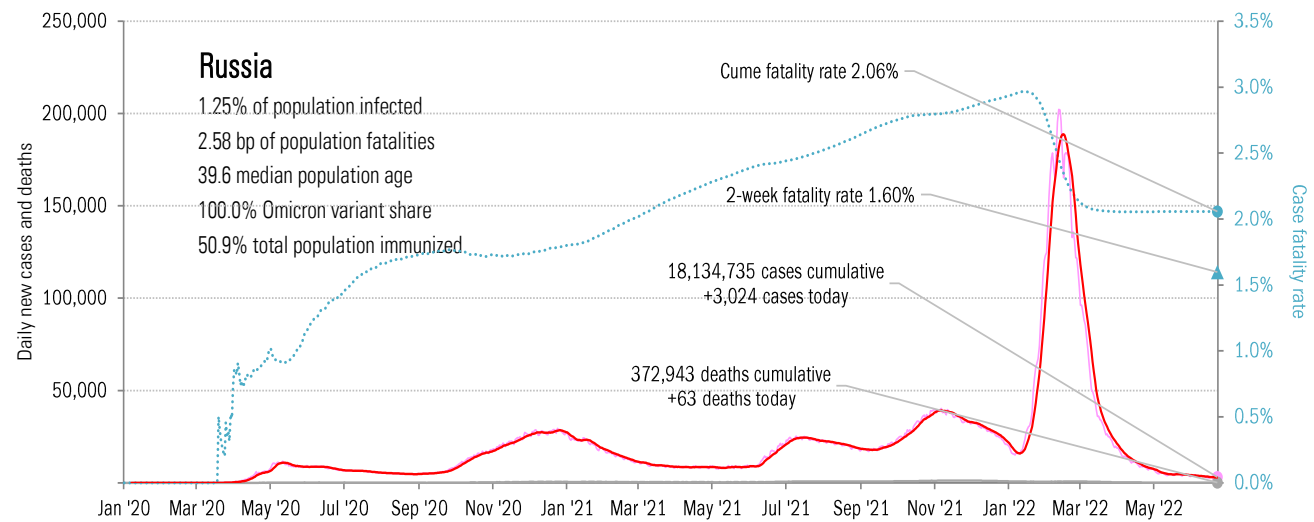
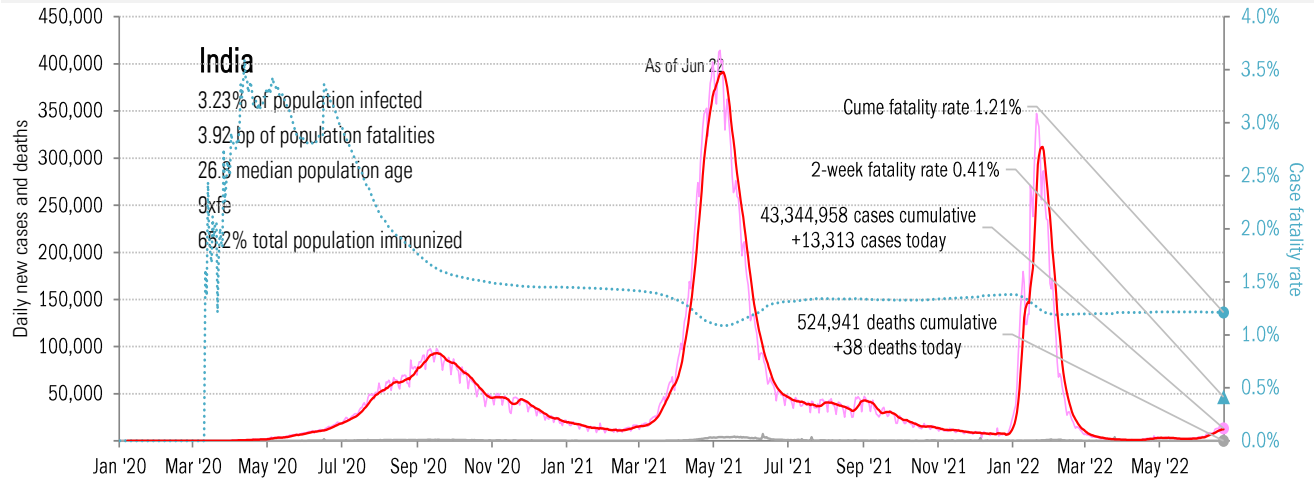
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

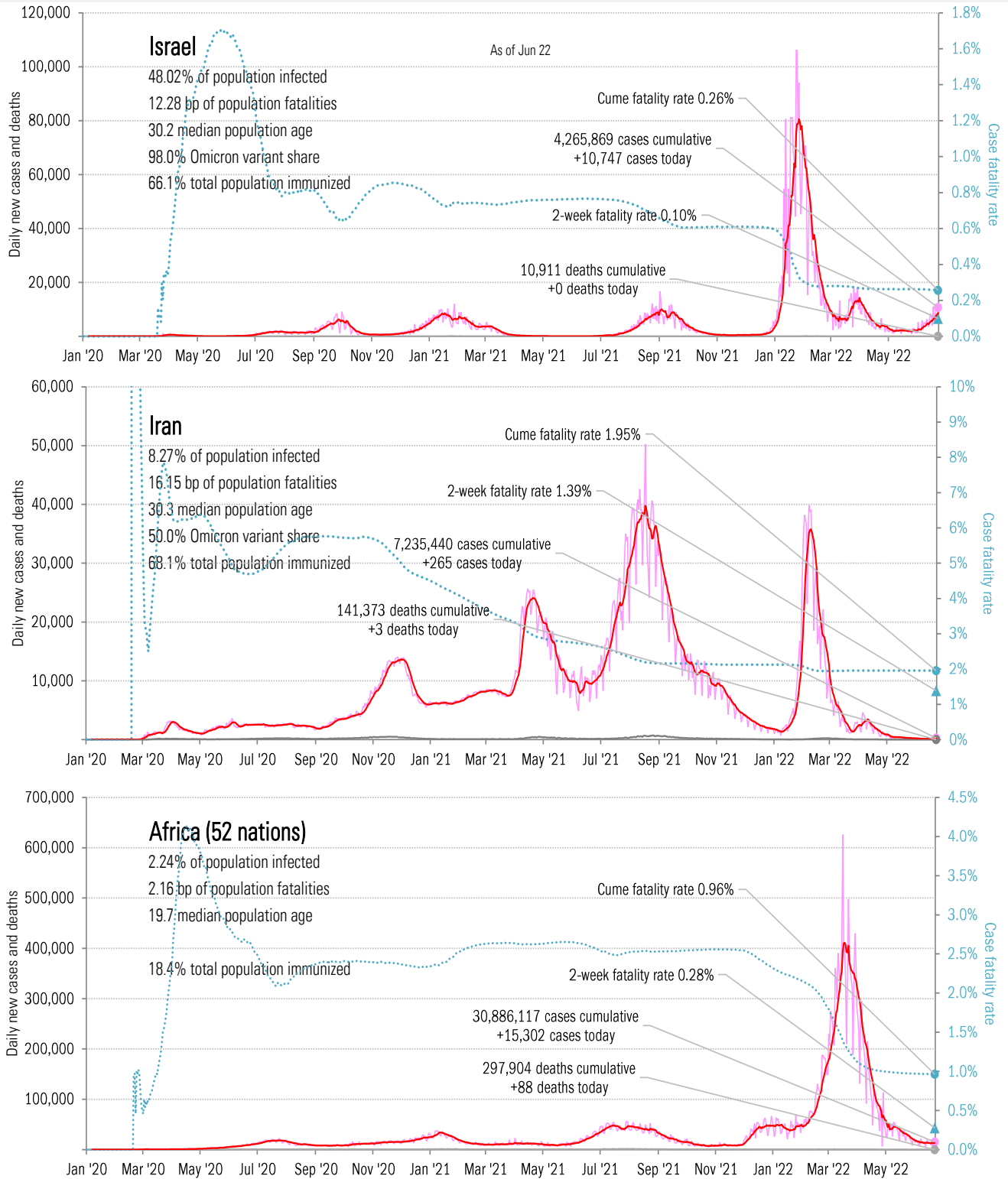
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

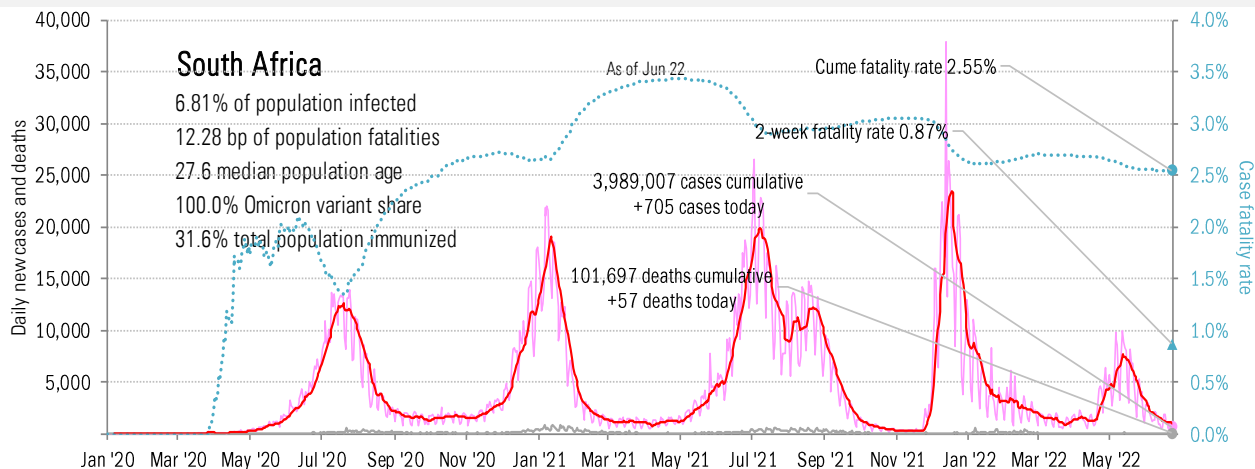
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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