

## Data Insights: Covid-2019 Monitor

Wednesday, July 27, 2022

### The global scorecard

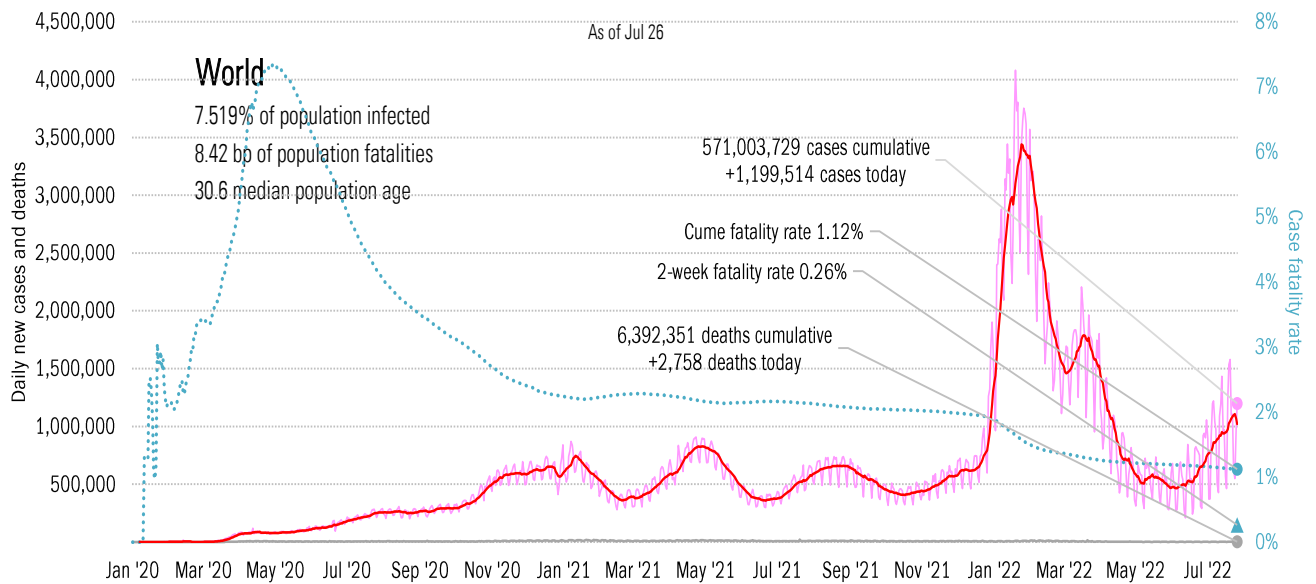
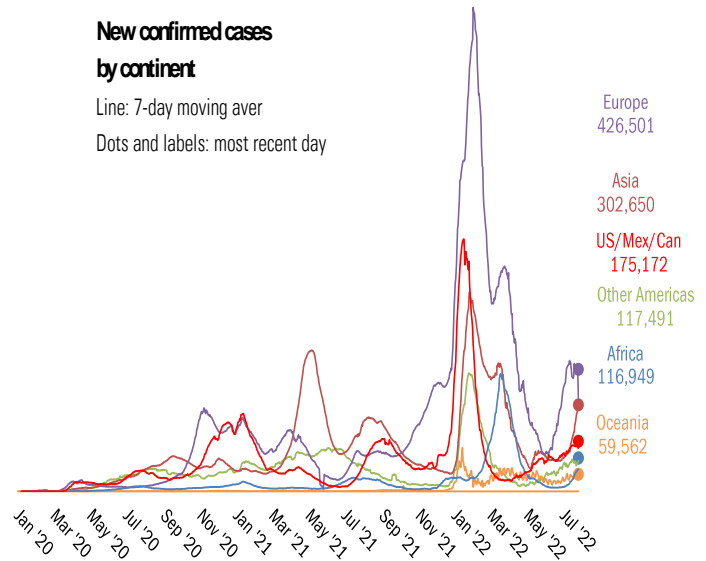
Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Japan	196,362	United States	560
United States	196,045	Brazil	351
Germany	121,780	Italy	253
Korea, South	100,182	Spain	207
France	89,556	Germany	181
Italy	88,651	France	119
Australia	49,460	Japan	115
Costa Rica	39,162	Tunisia	99
Brazil	37,914	Australia	86
Switzerland	37,744	India	57
<b>956,856</b>		<b>2,028</b>	
World	1,199,514	World	2,758
Top ten	80%	Top ten	74%

#### New confirmed cases by continent

Line: 7-day moving aver  
Dots and labels: most recent day



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

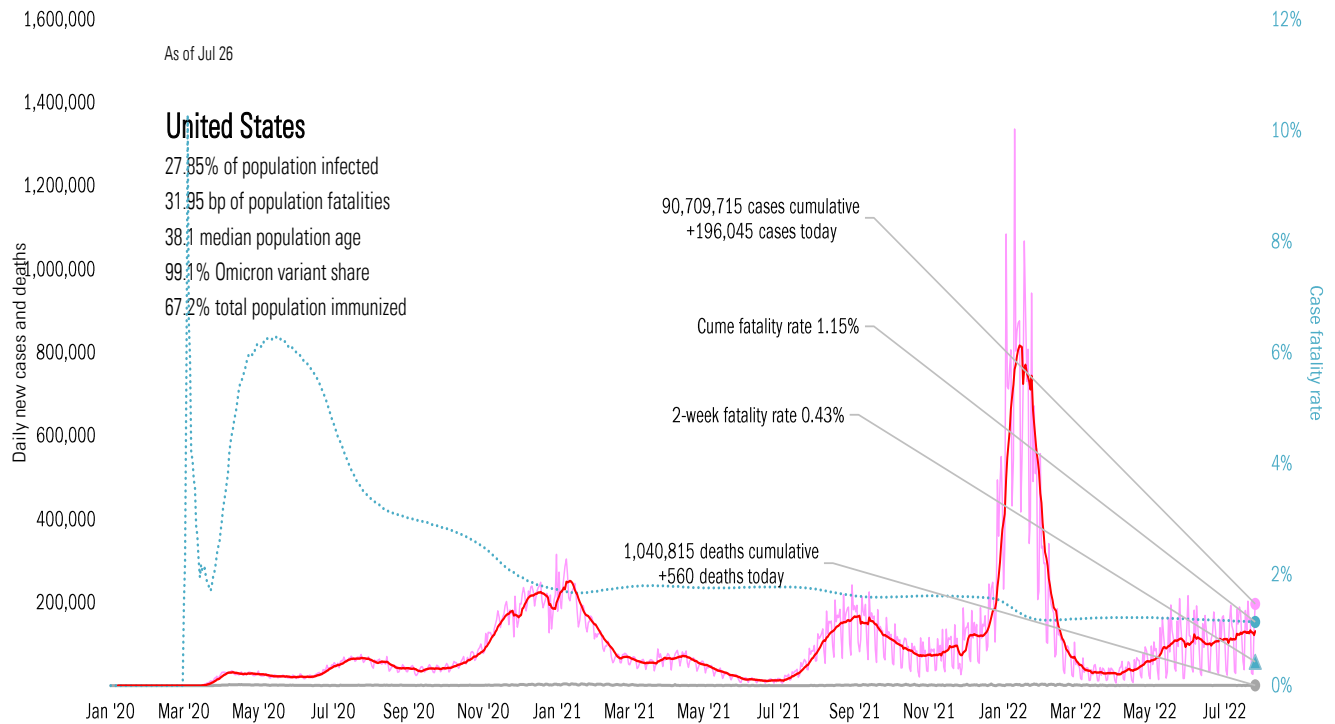
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	48,925		MI	137		PA	230		CA	10,644,446		CA	93,319		TX	518,876		DE	125%	DE	140%
CH	26,610		CA	76		KY	117		TX	7,494,975		TX	89,154		CA	467,812		RI	89%	TX	81%
MA	11,525		FL	64		GA	260		FL	6,726,850		FL	77,292		FL	461,445		MA	84%	AL	80%
TX	11,372		NY	62		NE	32		NY	5,792,205		NY	70,187		NY	279,569		GA	83%	WA	80%
FL	10,163		SC	60		AK	18		IL	3,548,004		PA	46,047		GA	215,088		WA	83%	RI	79%
WA	6,269		TX	26		AS	2		PA	3,059,965		CH	38,981		CH	204,756		MN	82%	MA	79%
TN	6,222		MD	23		GJ	0		NC	2,949,198		GA	38,933		PA	191,527		MO	80%	NC	79%
NY	5,327		NJ	18		MP	0		CH	2,918,366		IL	38,830		IL	173,974		MD	80%	GA	78%
IL	5,205		NM	11		TN	116		GA	2,721,391		MI	37,428		MI	152,872		DC	80%	AK	77%
NC	4,304		AZ	9		ND	9		MI	2,672,312		NJ	34,240		KY	138,444		AK	80%	NE	77%
135,922			486			784			48,527,712			564,411			2,804,363						
All states	196,045		560		5,787		All states	90,709,715		1,040,815		5,090,111		All states	70%	67%					
Top ten	69%		87%		14%		Top ten	53%		55%		55%		Median	74%	70%					

Some states not reporting

## Five most improved US states

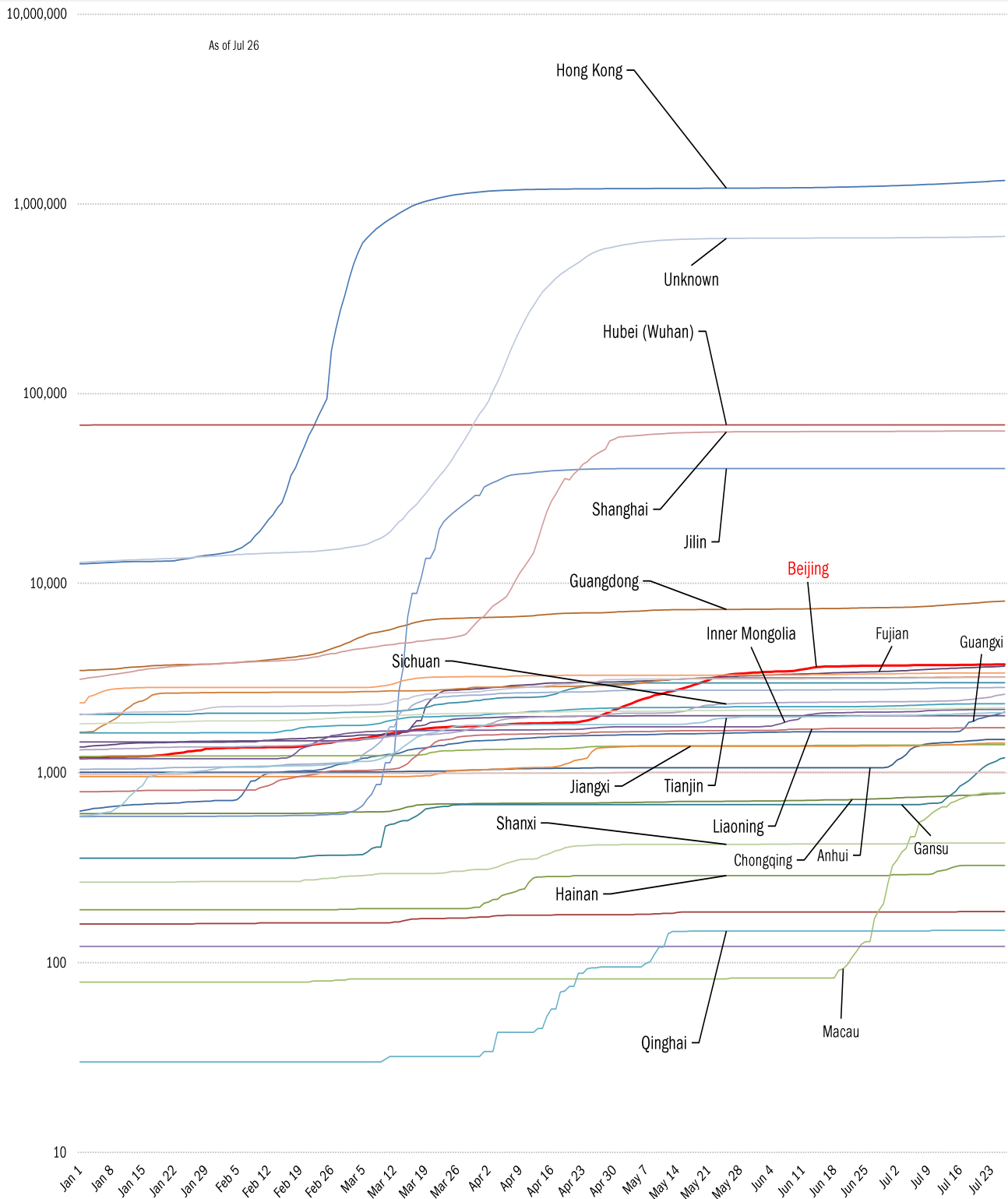
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-7,842	FL	-66	FL	-154
PA	-1,242	WA	-30	CA	-145
TX	-968	AL	-15	TX	-116
KY	-870	MO	-8	CH	-93
MO	-497	CR	-7	NC	-88



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

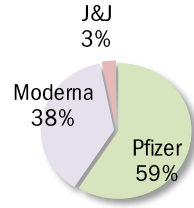
# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	616,635,212	+0.323 million	US	67.2%	78.7%
of which boosters	109,477,330	+0.068 million	UK	74.8%	79.8%
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>
Total population	269,233,447	81%	229,268,362	69%	+0.041 million
Age 12 to 17	18,017,753	71%	15,409,473	61%	+0.003 million
Age 18 to 64	180,243,678	89%	152,968,762	75%	+0.022 million
Age 65 and over	59,543,060	100%	52,083,438	95%	+0.009 million

France	78.6%	80.8%
Spain	85.5%	86.9%
Germany	76.0%	77.6%
Italy	81.0%	85.8%
Australia	83.8%	86.3%
Israel	66.2%	72.3%
Canada	82.5%	86.0%
Japan	82.2%	83.3%
Africa	20.3%	25.9%
India	65.9%	72.4%
Brazil	79.2%	86.3%
China	88.7%	91.0%

Global data differs due to sources, timing



State
AK
71.0%
62.9%

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

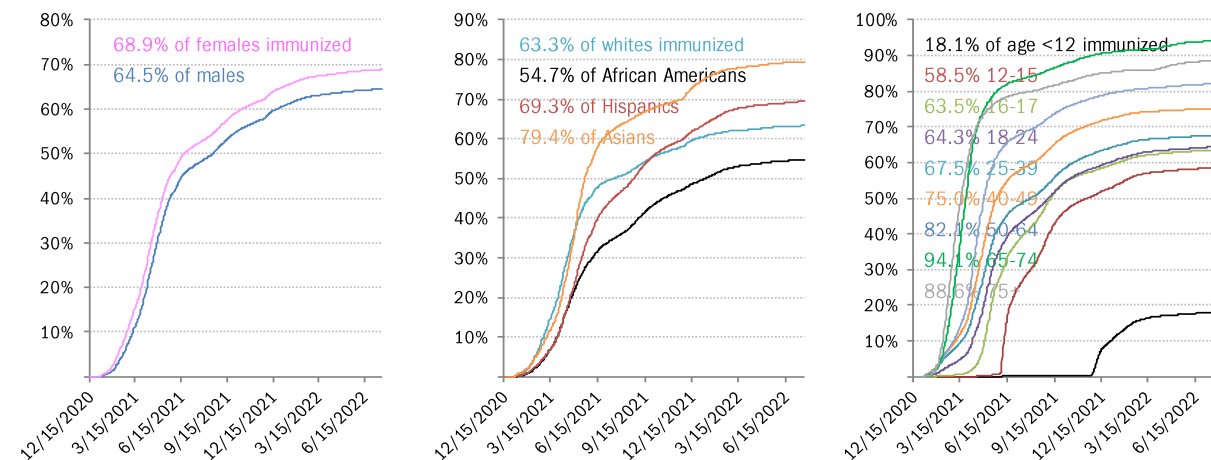
\*"Immunity" = two doses

Best
Middle
Worst

As of Jul 21

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
82.2%	62.6%	66.0%	66.5%	76.1%	76.7%	67.6%	91.4%	95.0%	90.0%	
73.2%	56.0%	57.4%	56.2%	69.9%	69.2%	60.7%	78.0%	82.2%	71.8%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
78.9%	76.5%	58.9%	78.1%	68.7%	62.8%	64.0%	86.7%	91.8%	95.0%	
70.4%	61.6%	51.5%	62.8%	62.6%	56.6%	59.0%	69.9%	76.7%	80.2%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
83.4%	73.1%	80.7%	71.1%	67.1%	67.0%	65.8%	87.2%	88.1%	95.0%	95.0%
73.0%	65.0%	71.0%	64.2%	56.9%	58.0%	58.3%	74.0%	76.7%	80.3%	84.1%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
74.7%	89.6%	73.5%	67.6%	62.9%	86.4%	68.7%	95.0%	84.6%		
62.6%	72.3%	62.8%	55.2%	55.1%	62.9%	57.9%	76.9%	70.3%		
OK	LA	MS	AL	GA						
72.2%	61.7%	60.4%	63.5%	66.3%						
58.2%	54.1%	52.5%	51.8%	55.6%						
TX										
74.8%										
62.5%										
WI										
72.7%										
66.3%										
ME										
92.4%										
80.8%										
HI										
89.0%										
79.3%										
FL										
80.4%										
67.8%										
PR										
95.0%										
83.7%										

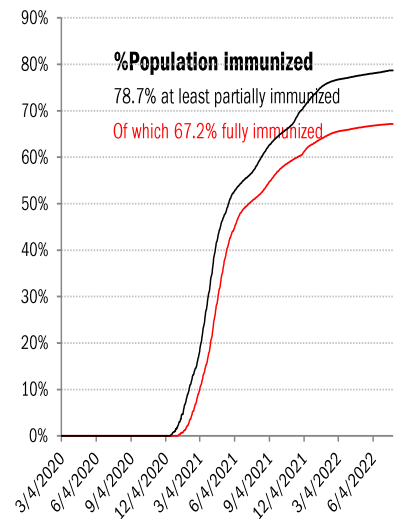
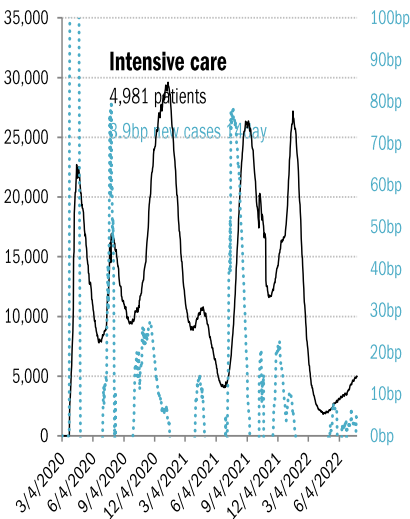
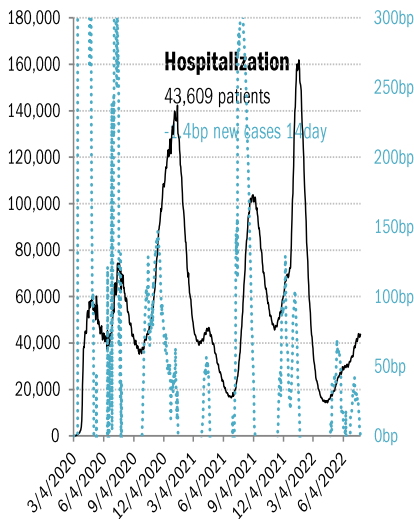
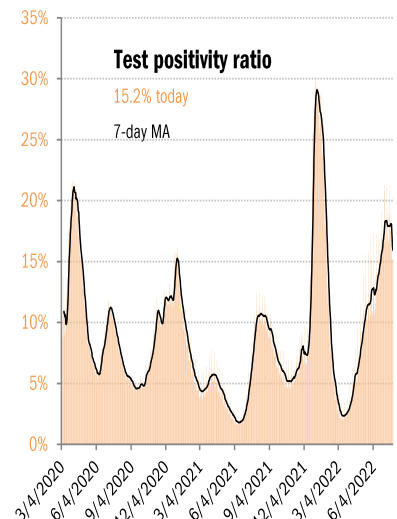
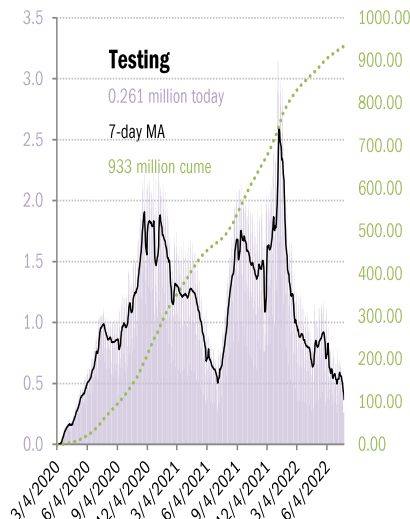
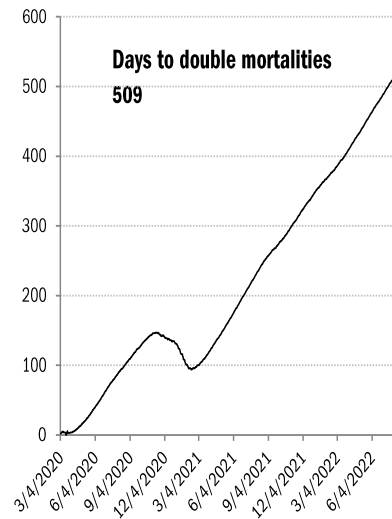
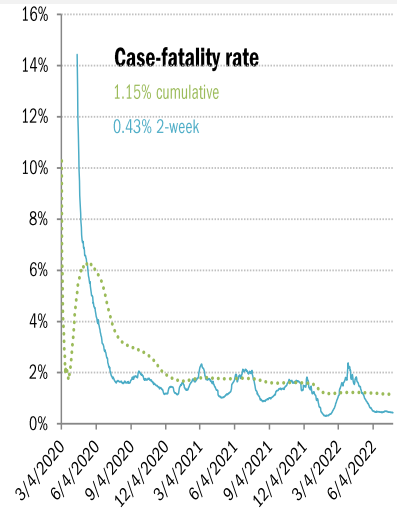
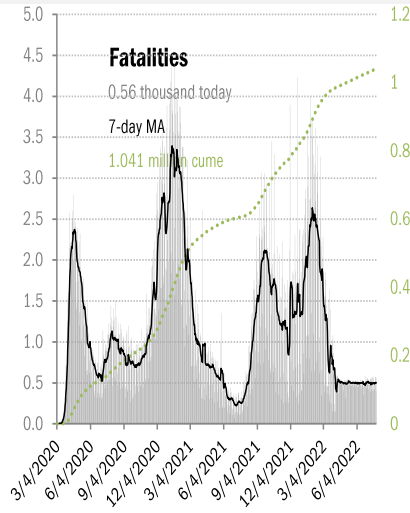
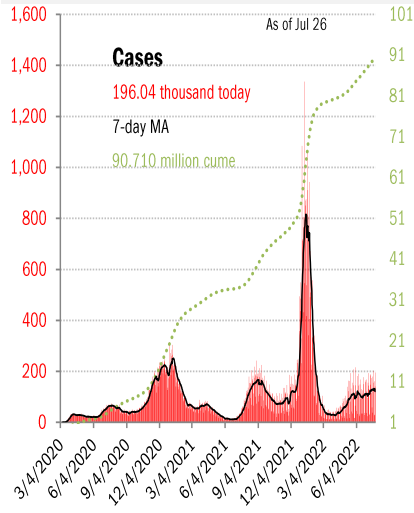
## The demographics of US vaccination



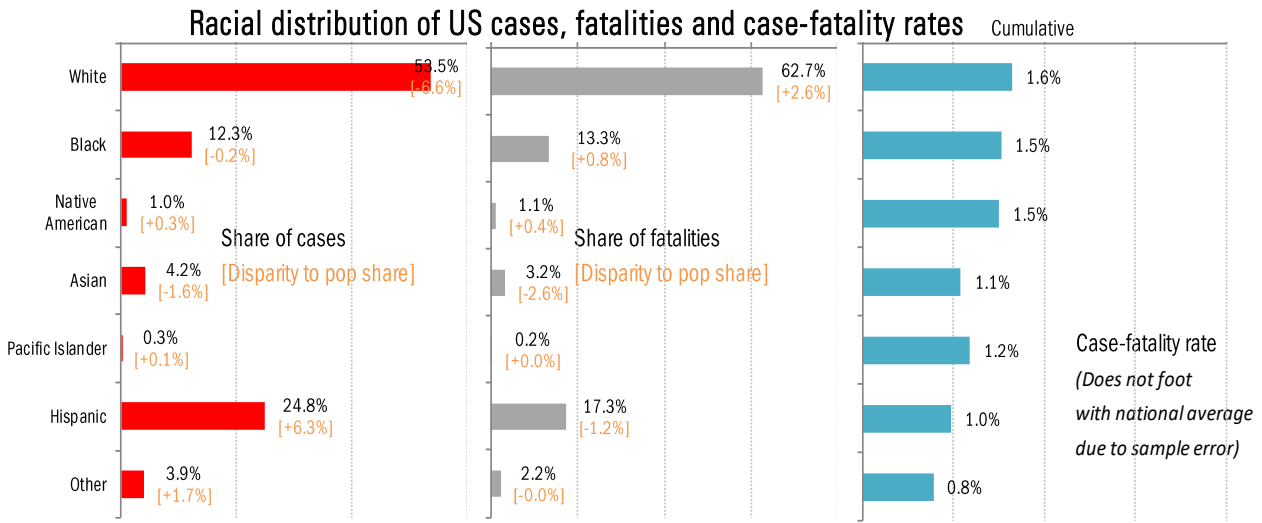
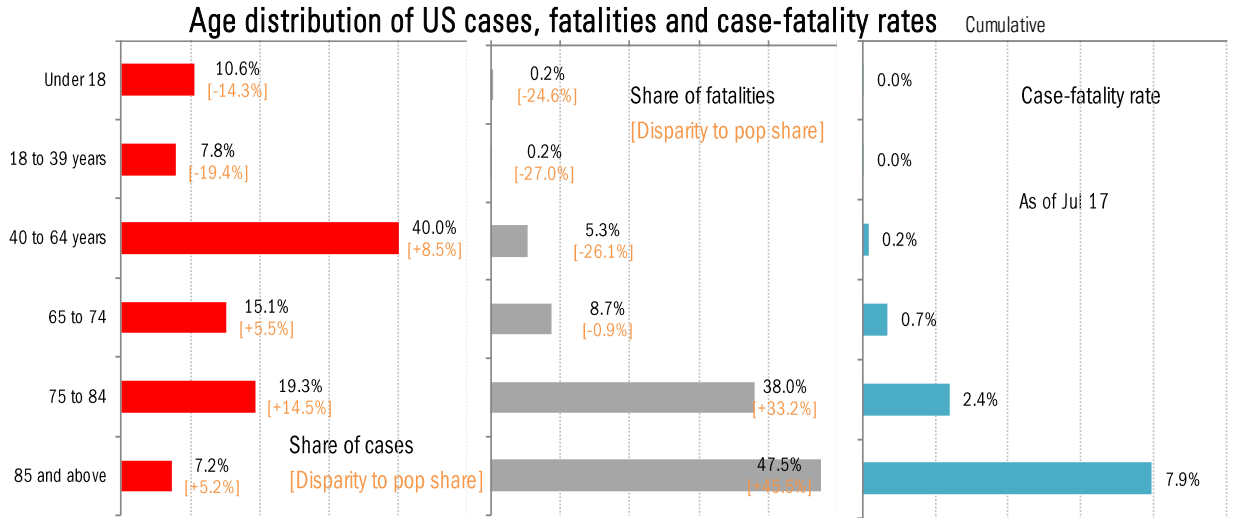
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

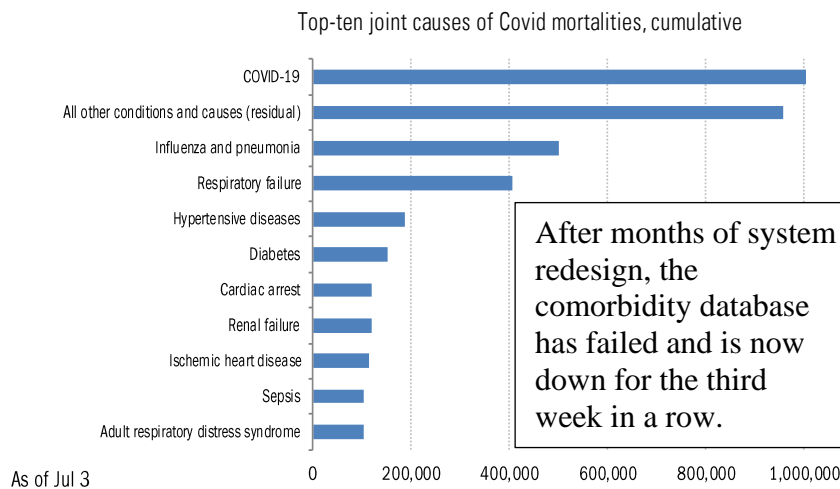
National and state-by-state data do not line up because of different sources



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



### Comorbidities



After months of system redesign, the comorbidity database has failed and is now down for the third week in a row.

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

### [How Polio Crept Back Into the U.S.](#)

Robin Fields  
*Pro Publica*  
July 26, 2022

### [CDC grilled after revealing it didn't perform data analysis on COVID-19 vaccine doses](#)

Andrew Kerr  
*Washington Examiner*  
July 26, 2022

### [Biden, Fauci, and Democrats owe the country an apology after Dr. Birx's revelations](#)

Christopher Tremoglie  
*Washington Examiner*  
July 25, 2022

### [Likely cause of mystery child hepatitis outbreak found](#)

Michelle Roberts  
*BBC*  
July 25, 2022

## Meme of the day

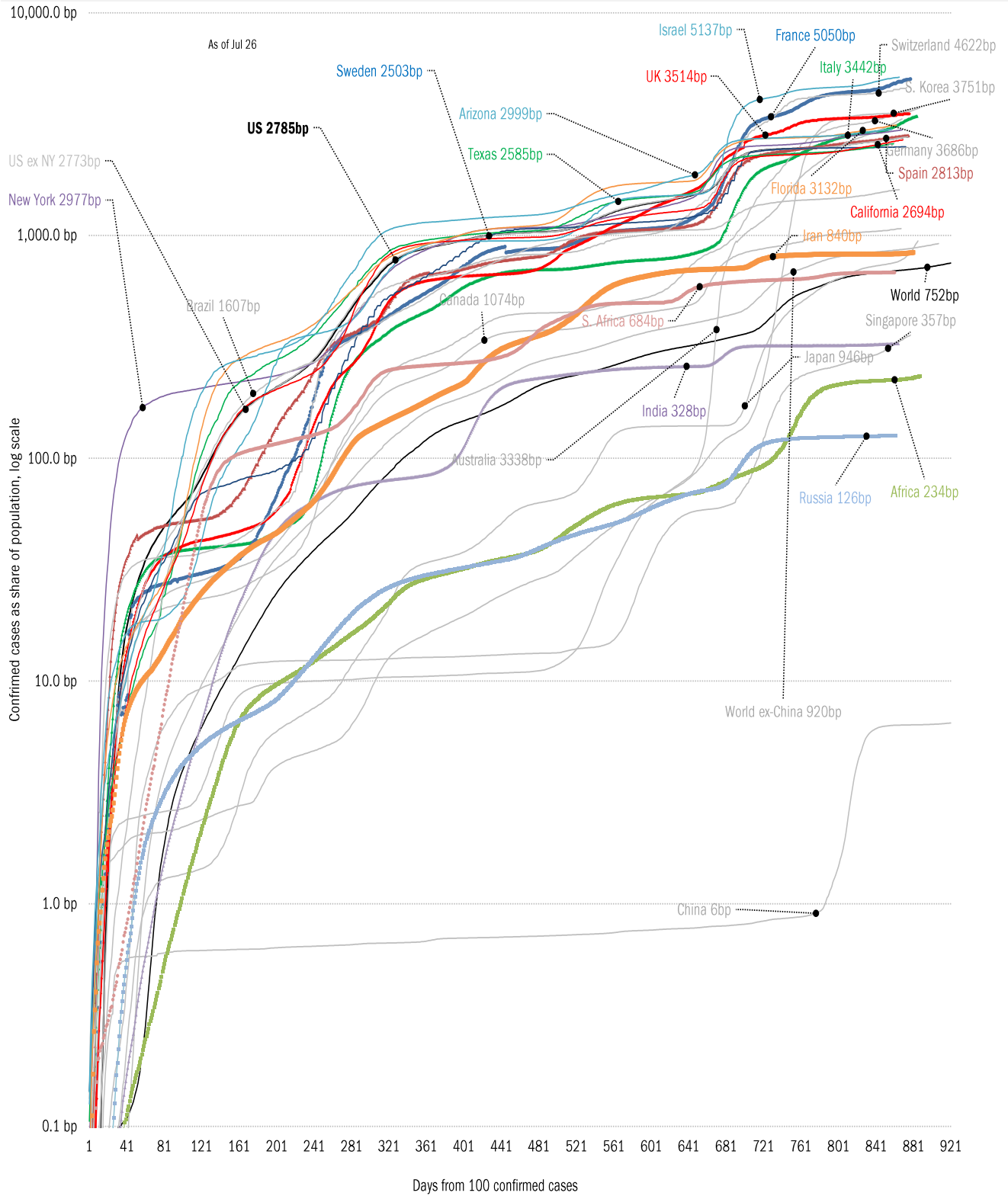


**White House Reassures Nation That The Person Actually Running The Country Is Still Healthy**

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

# The global coronavirus case accelerometer... tracking the world's infection curves

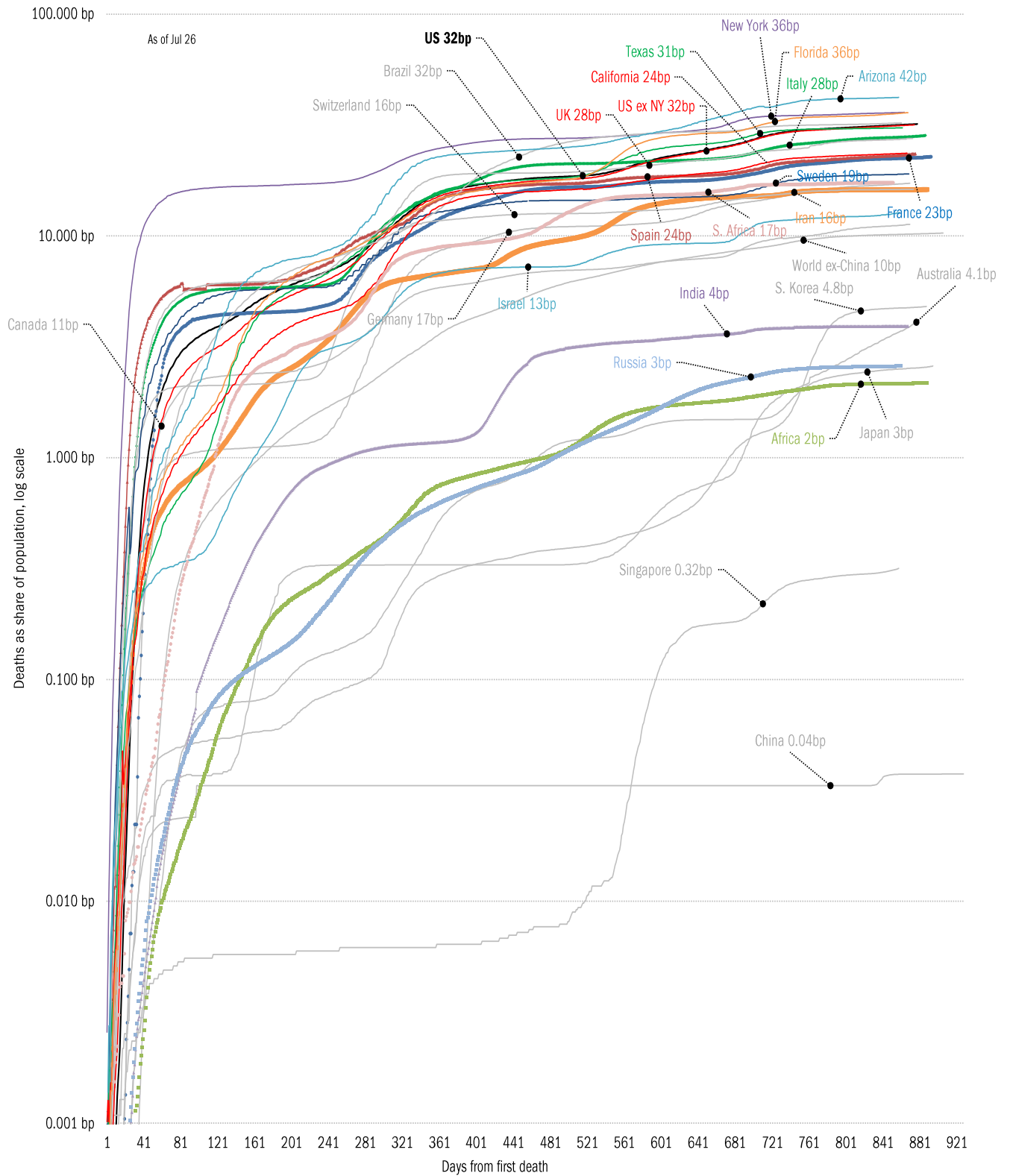
Share of infected population from first day with 100 confirmed cases, log scale



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*

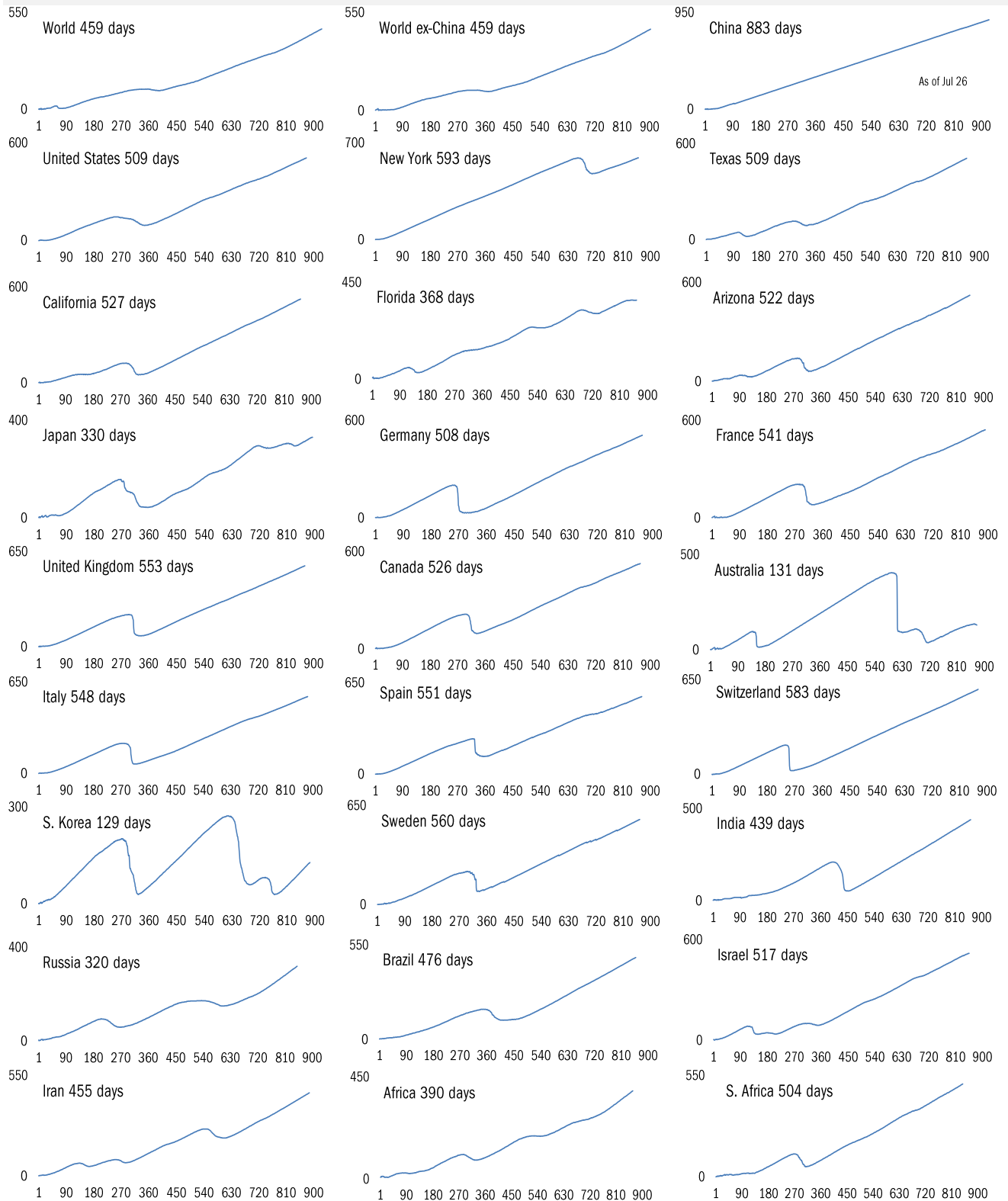


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

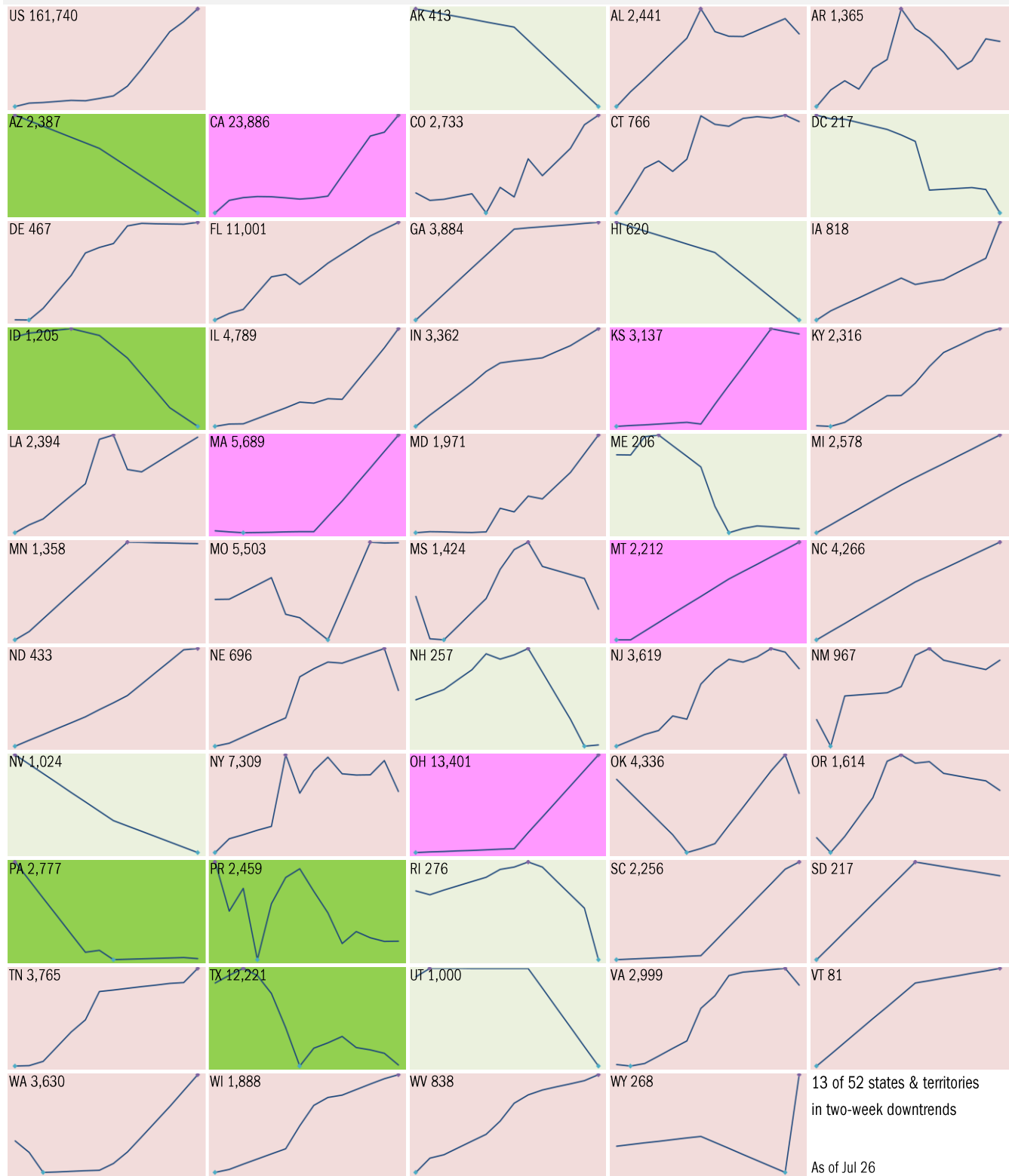


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

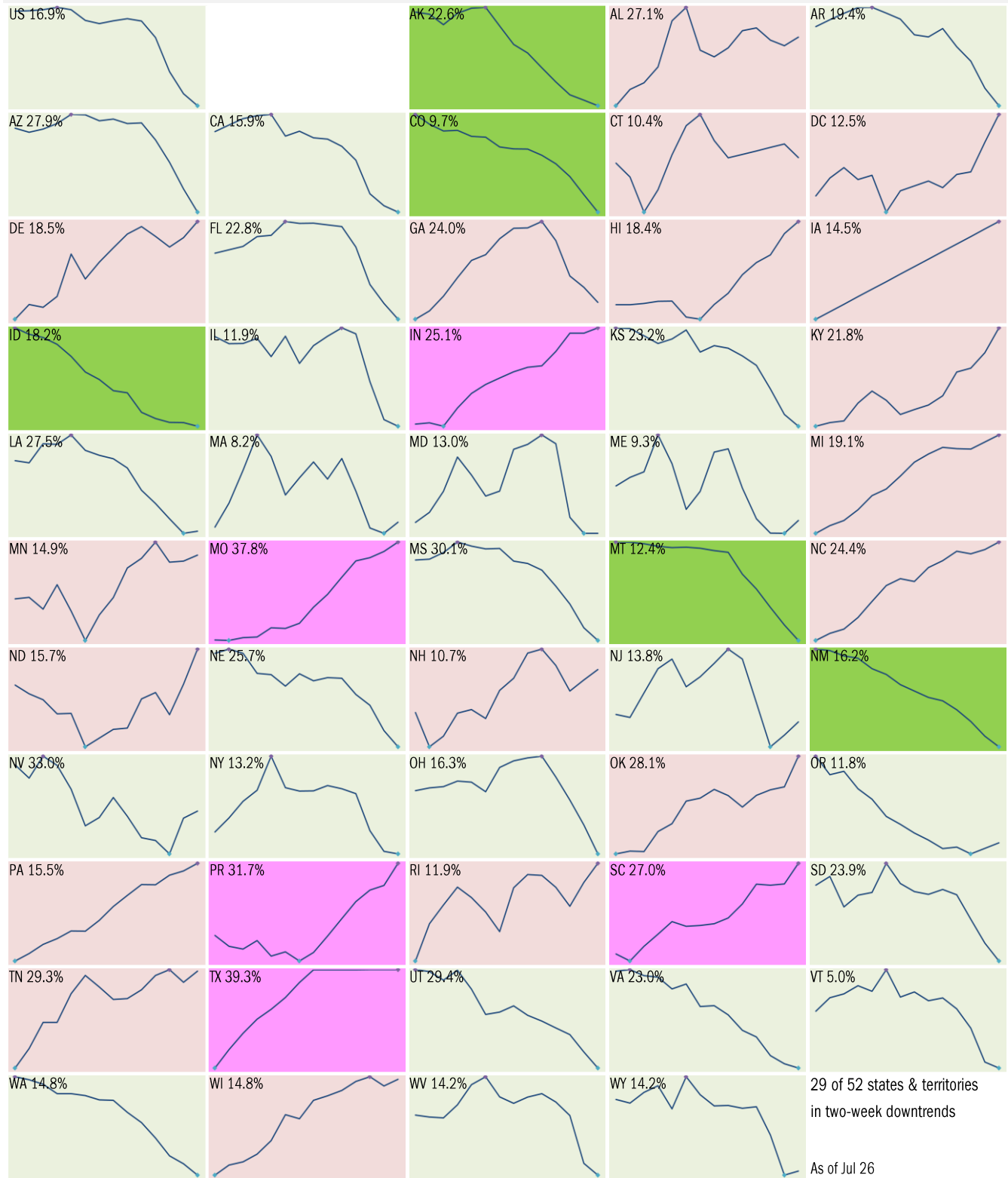


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

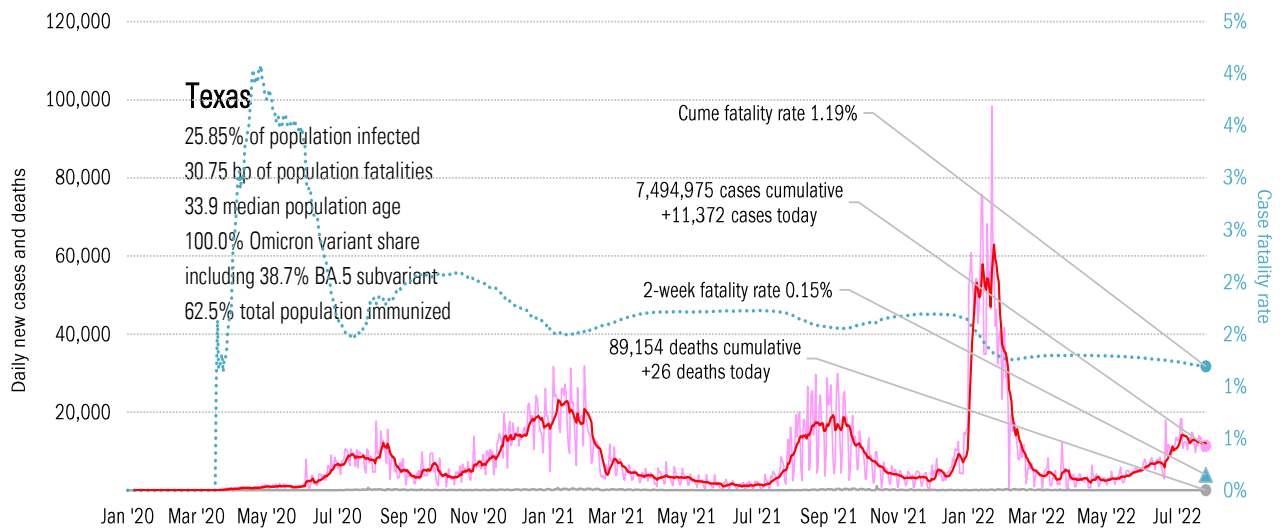
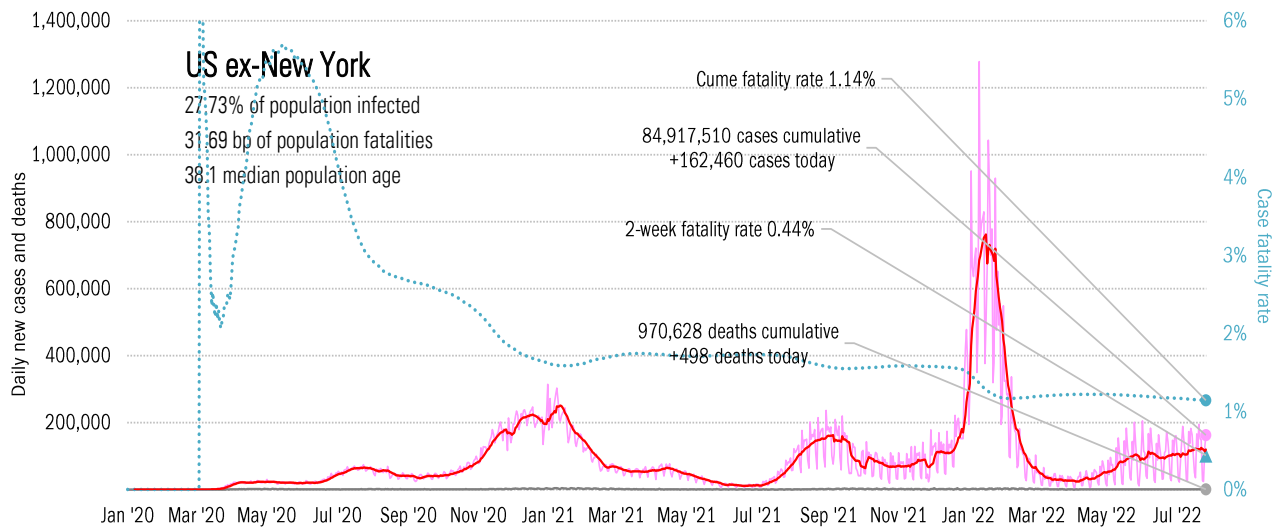
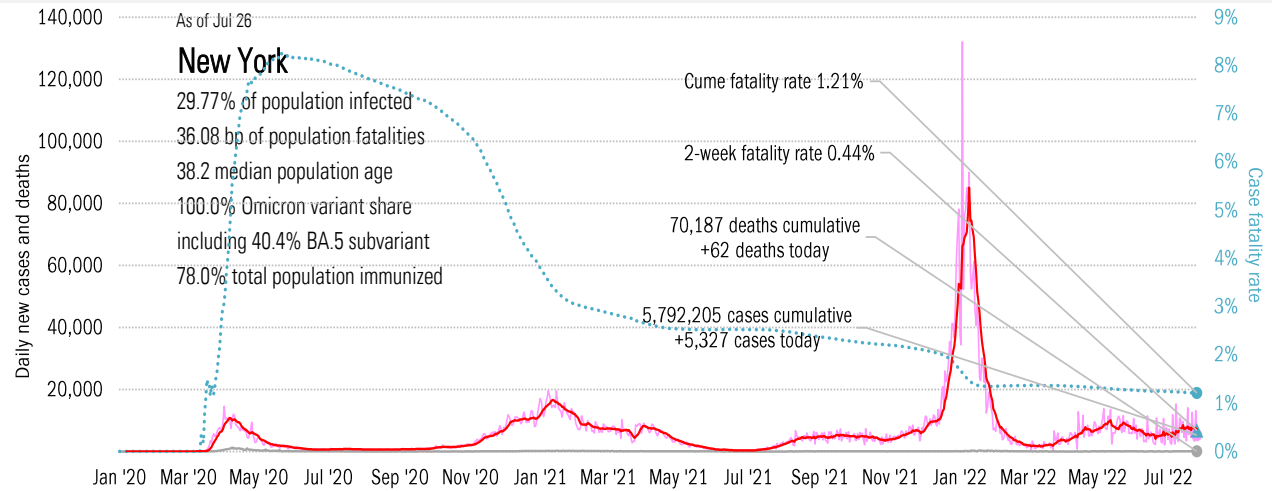
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

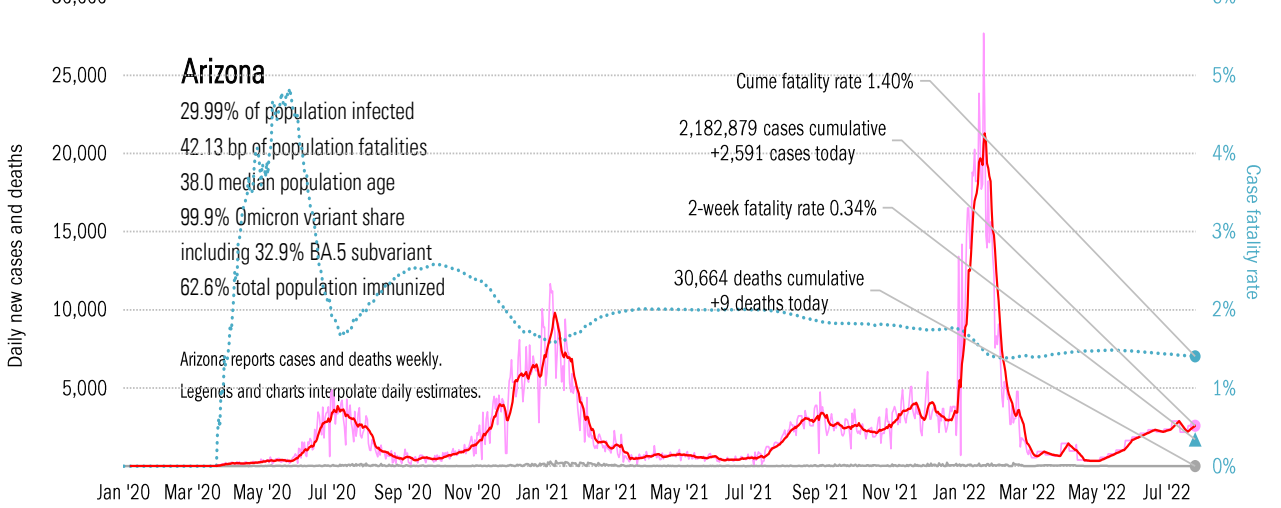
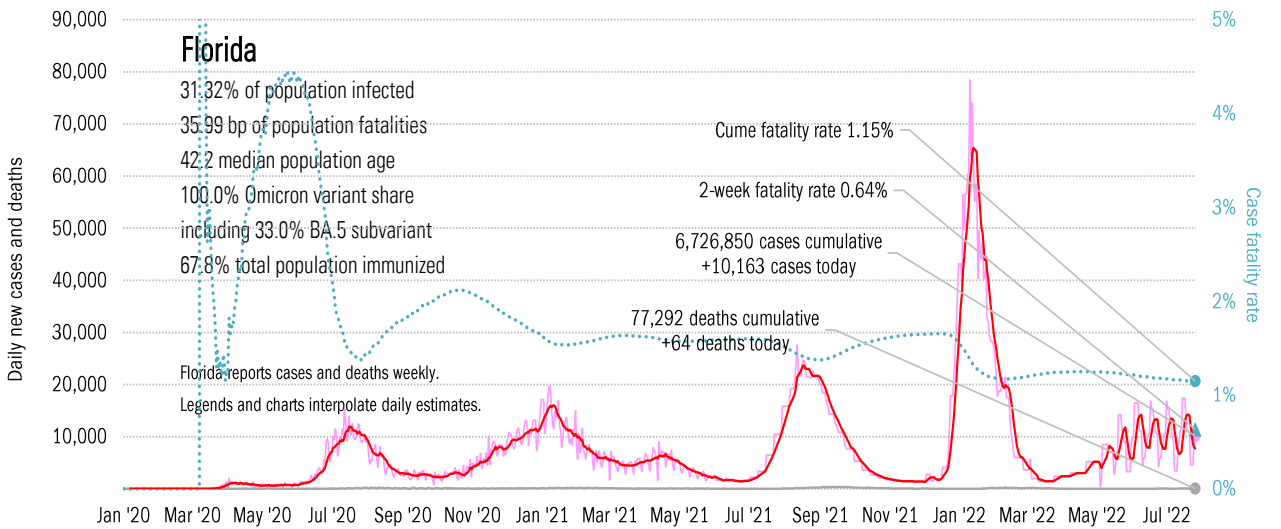
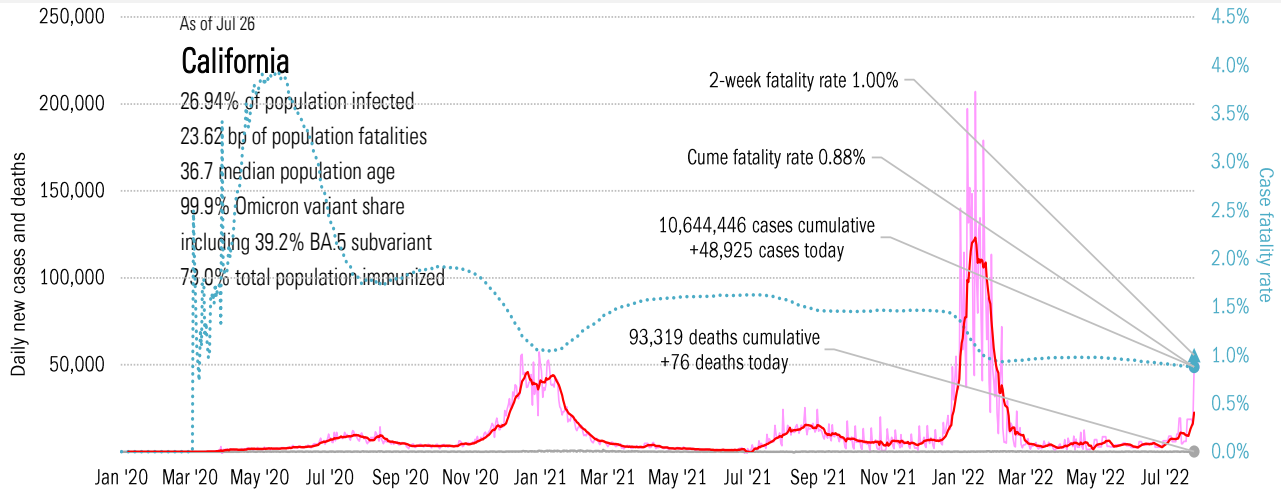
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

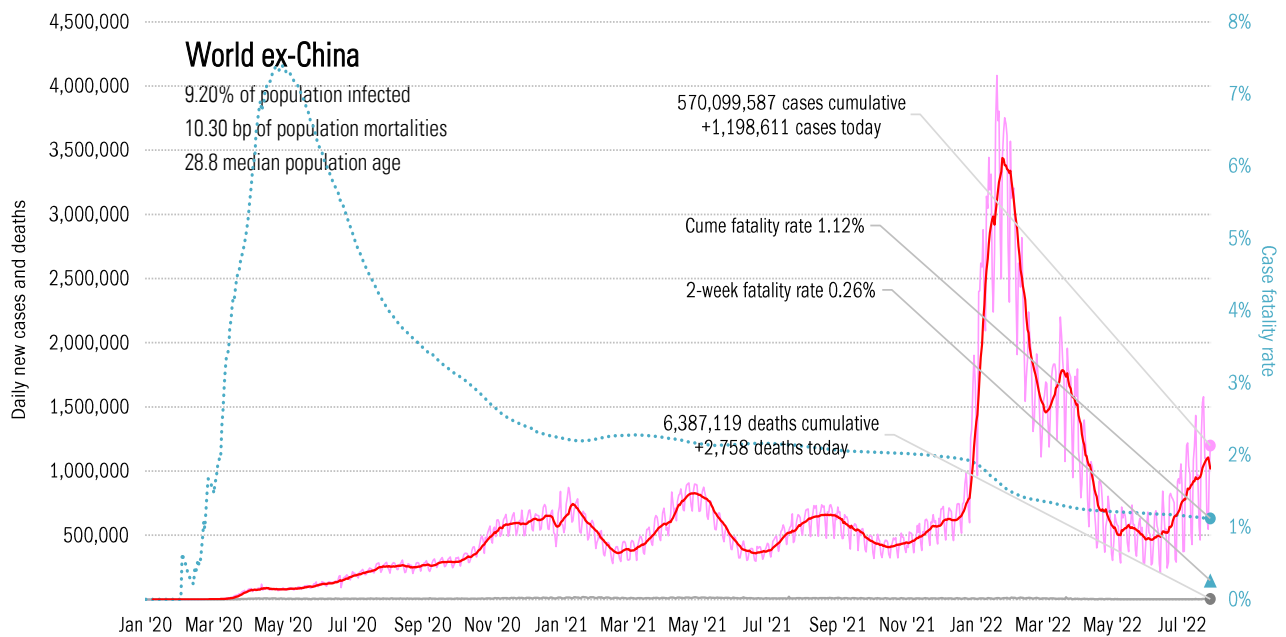
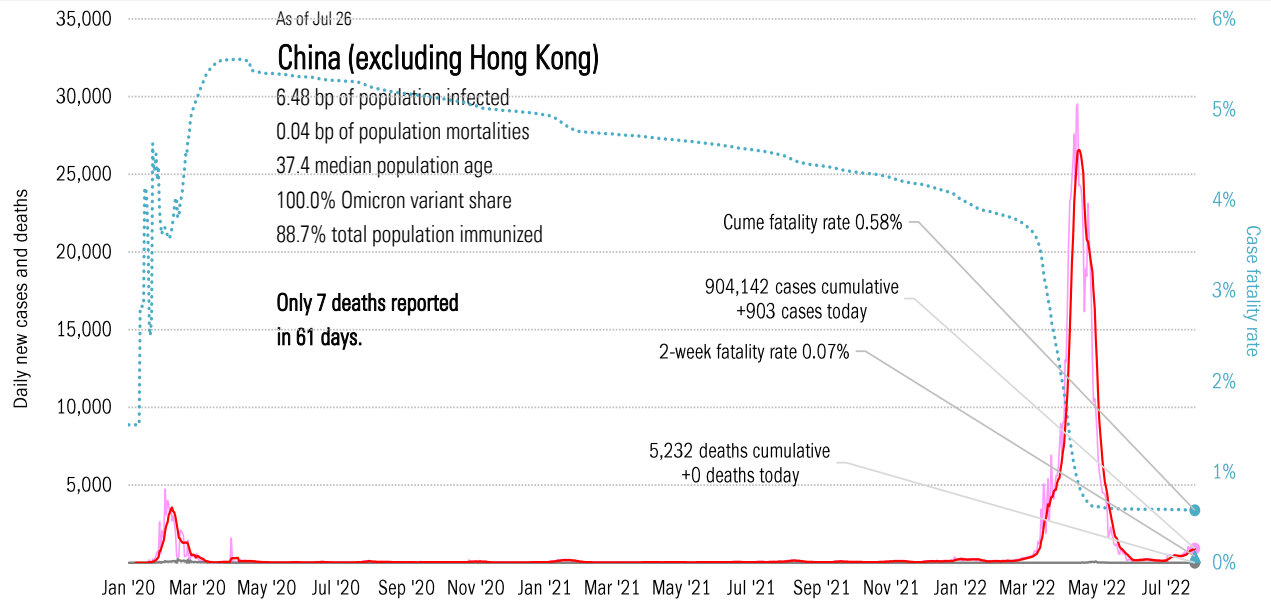
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

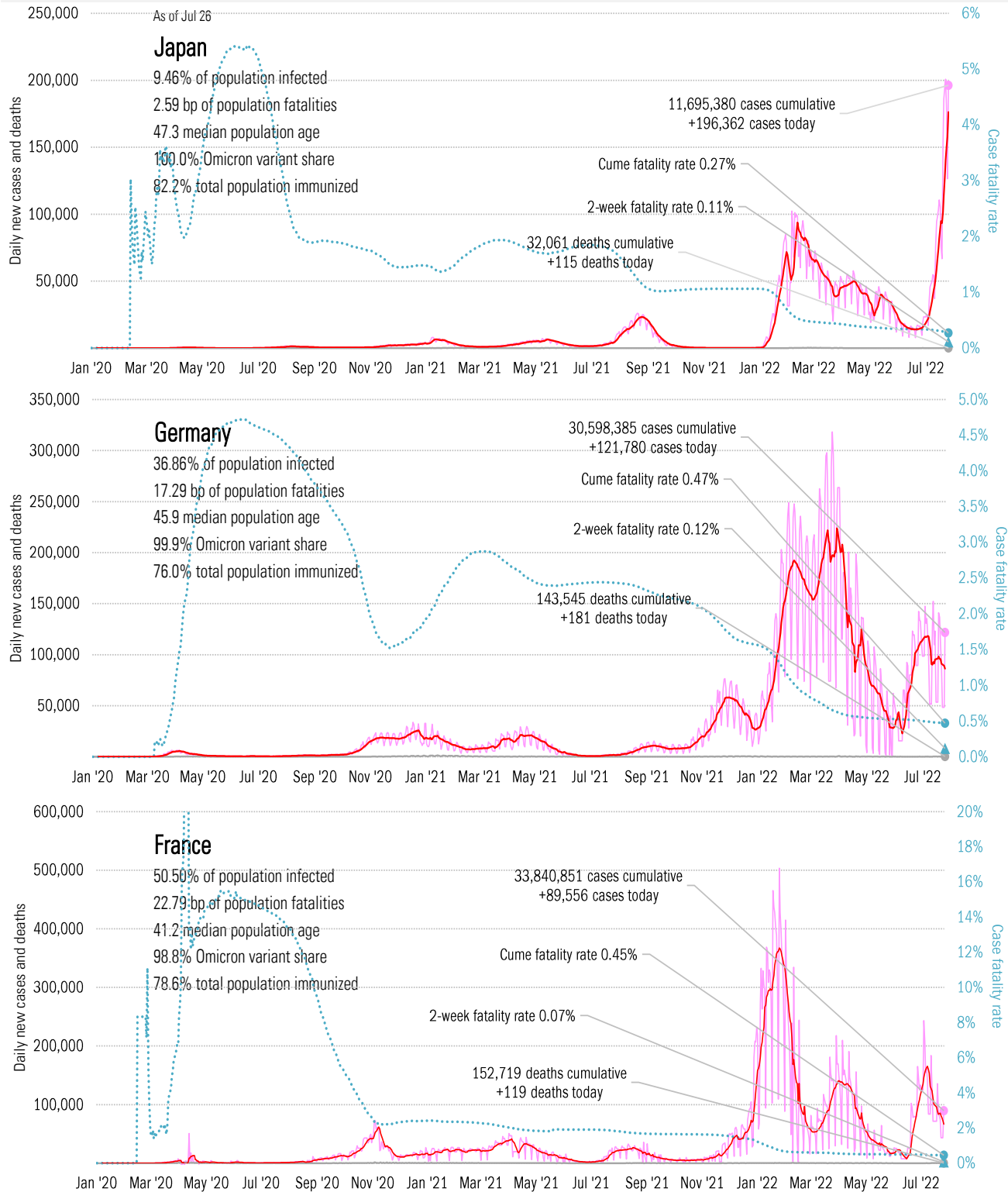


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

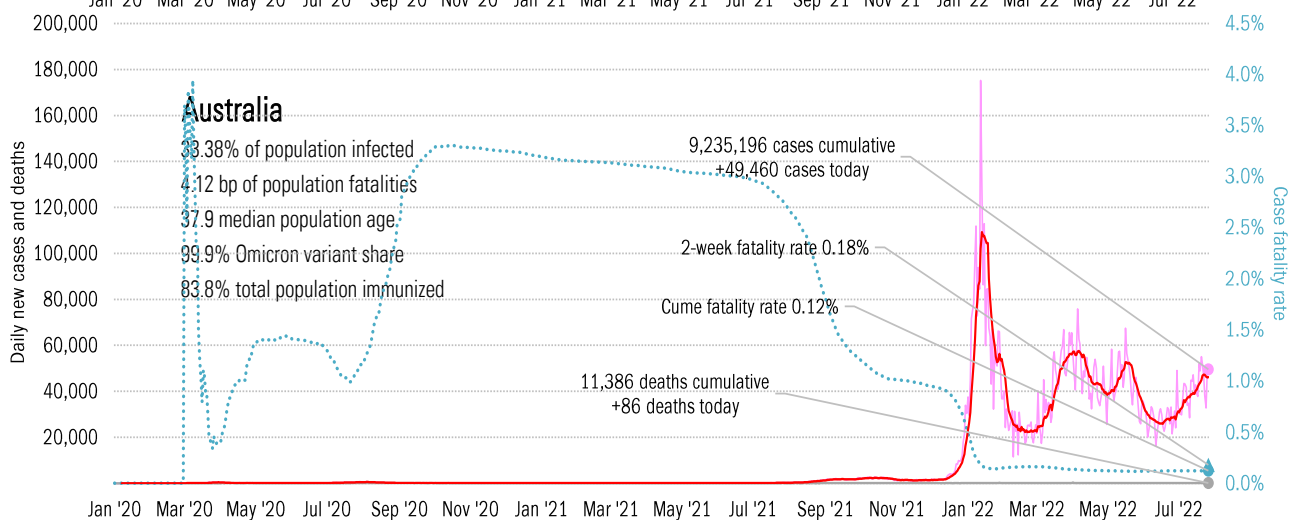
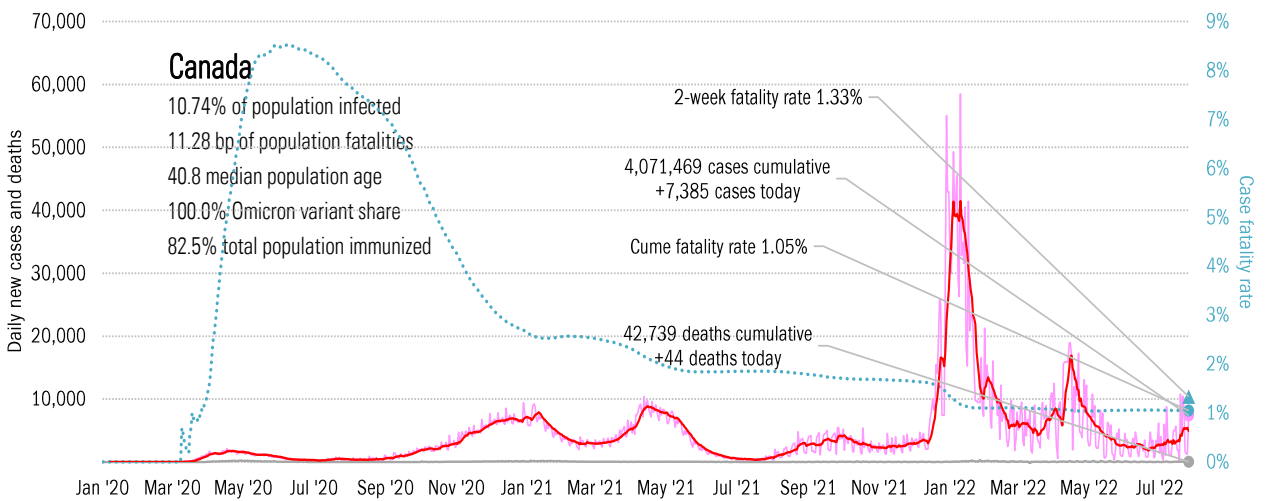
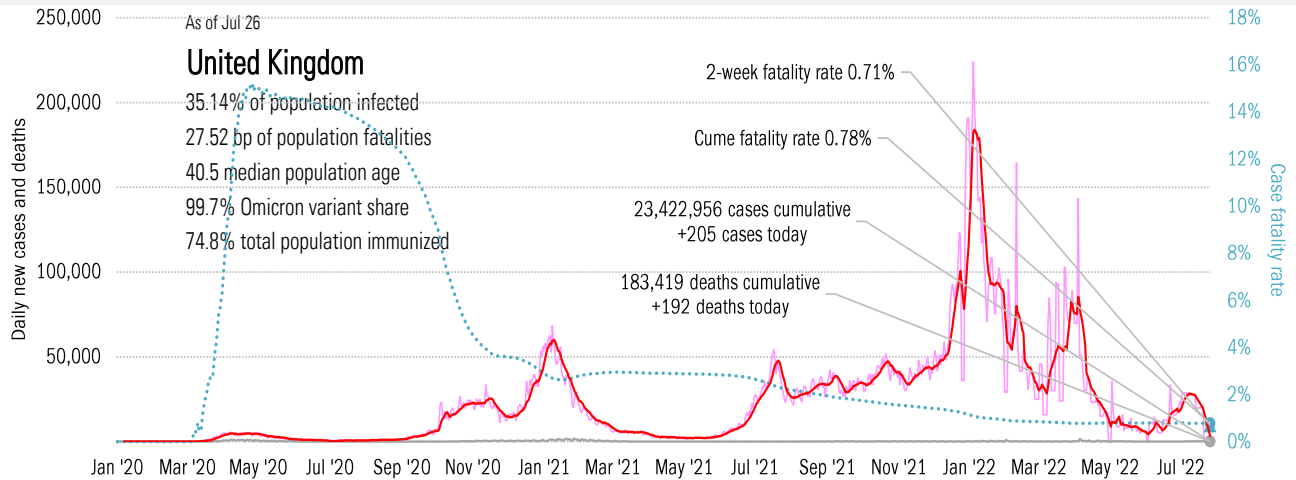
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

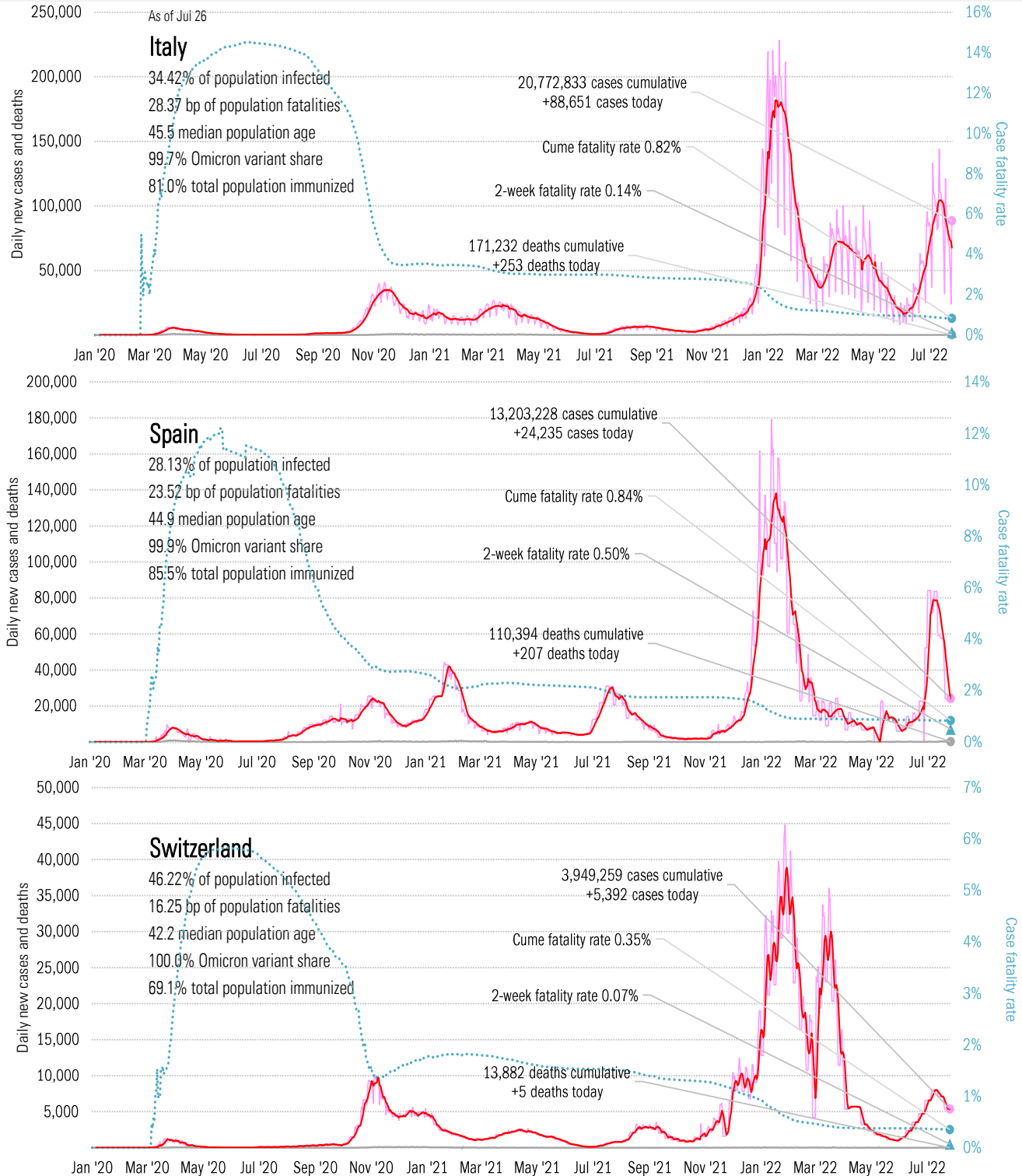
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

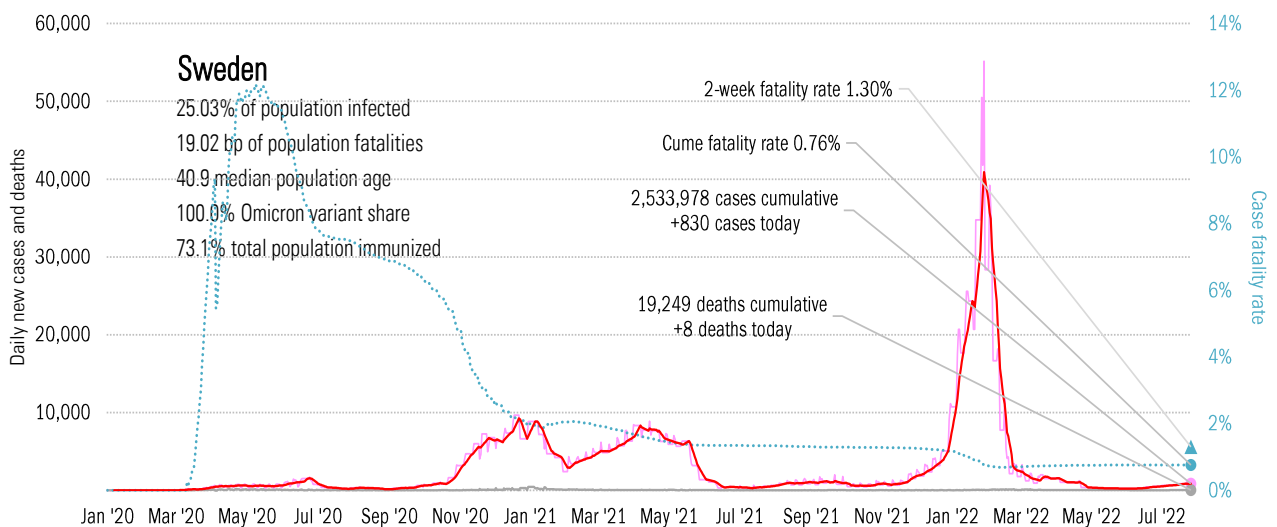
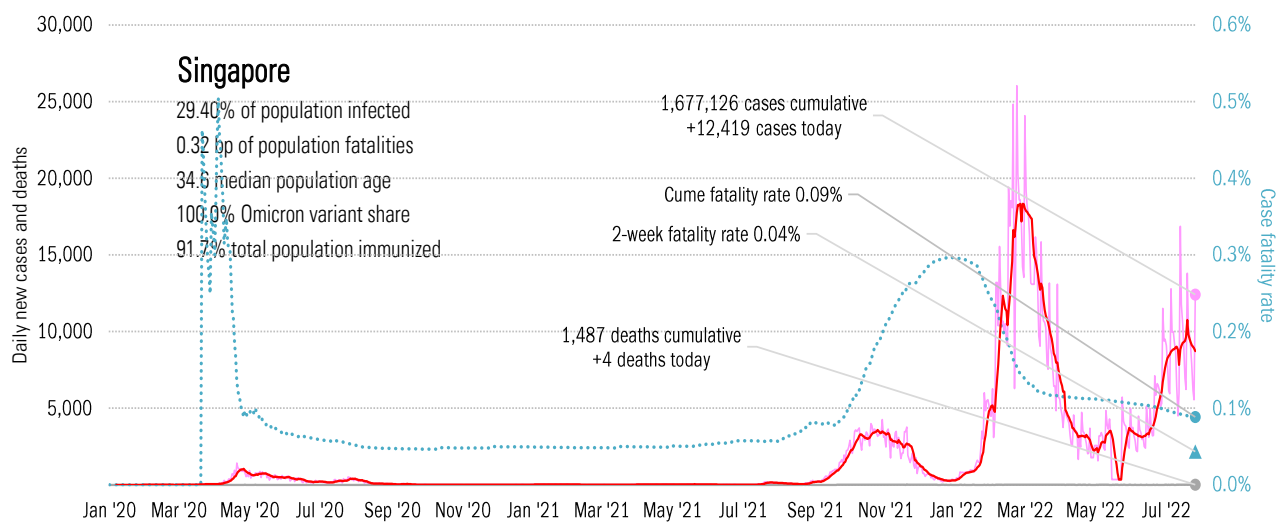
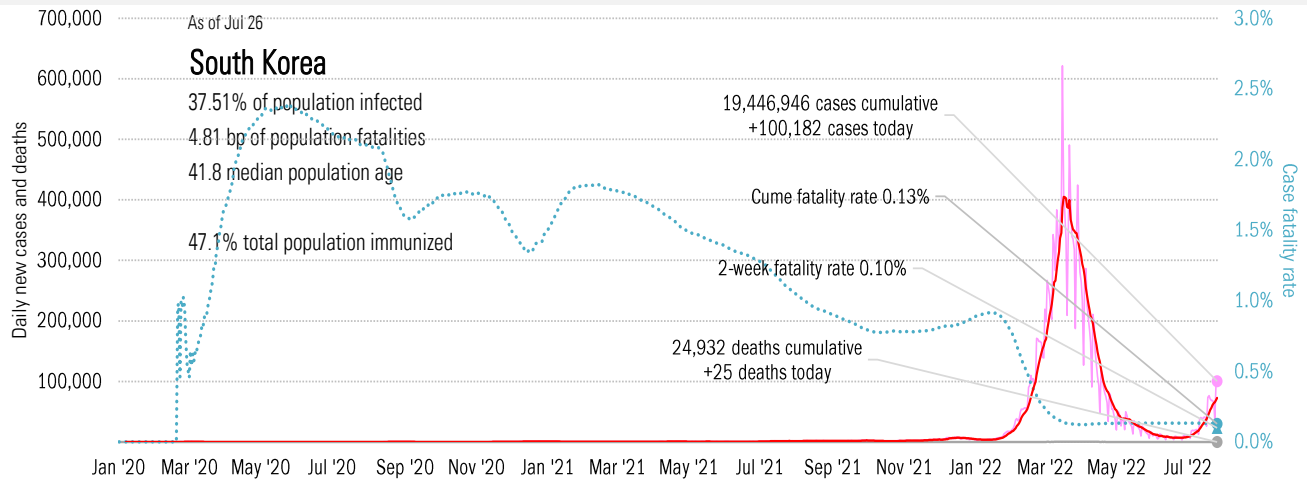
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

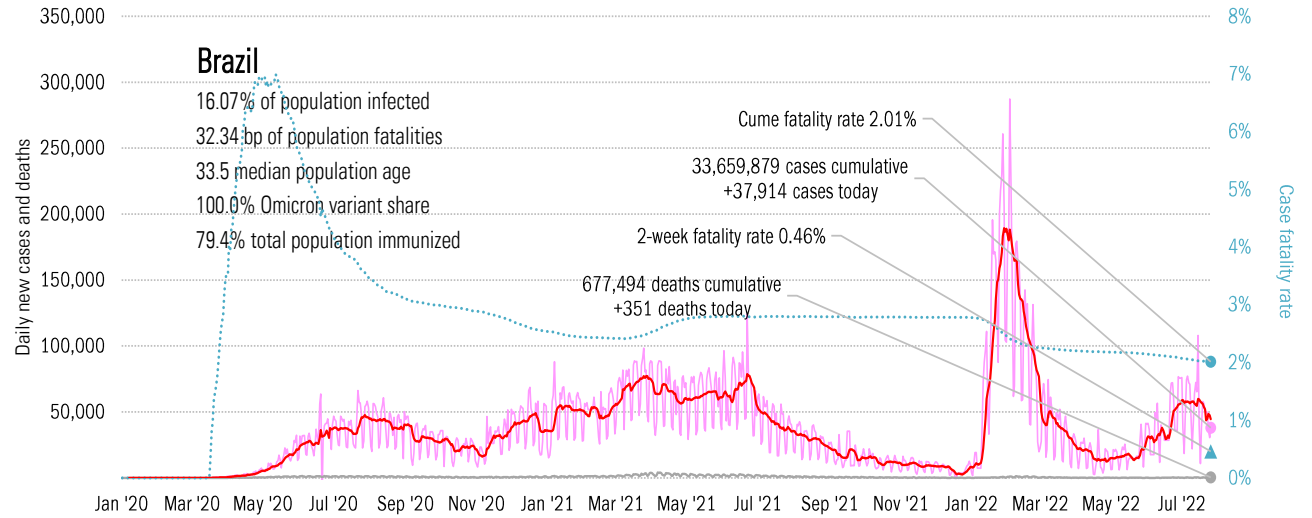
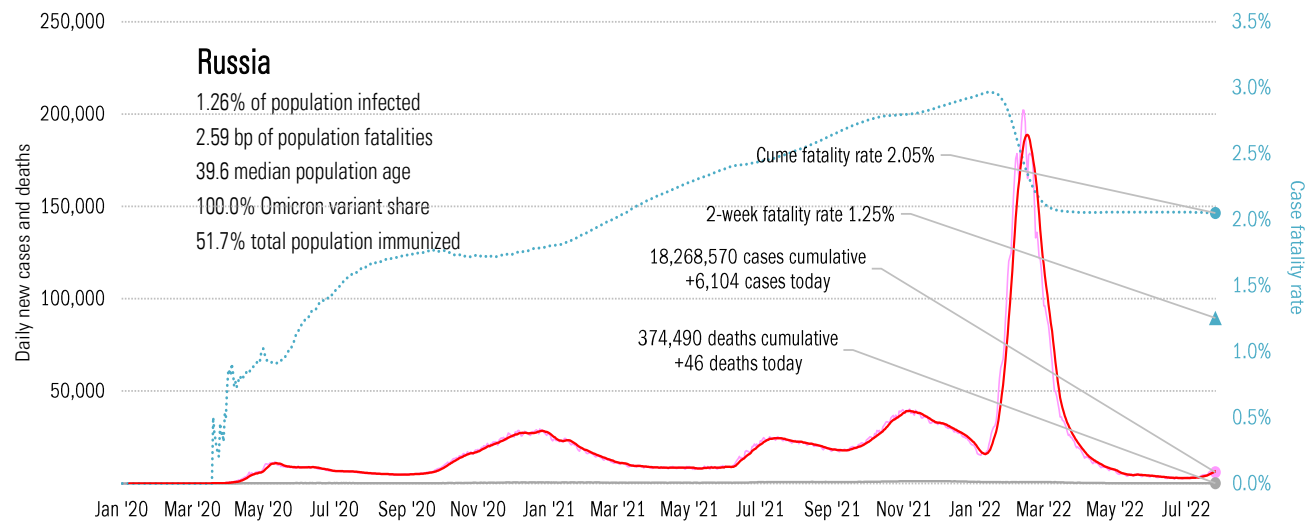
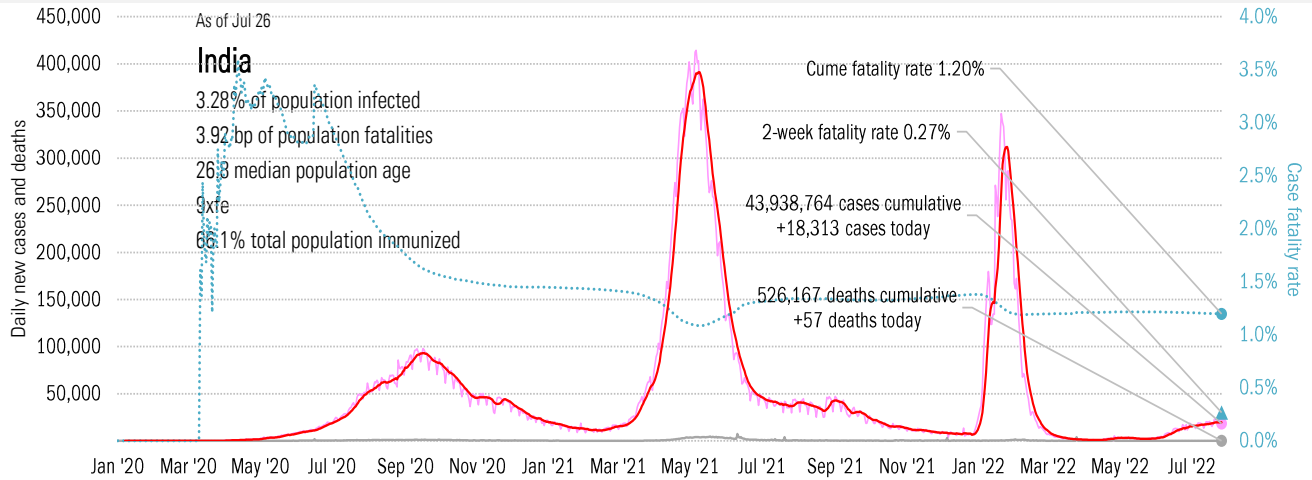
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

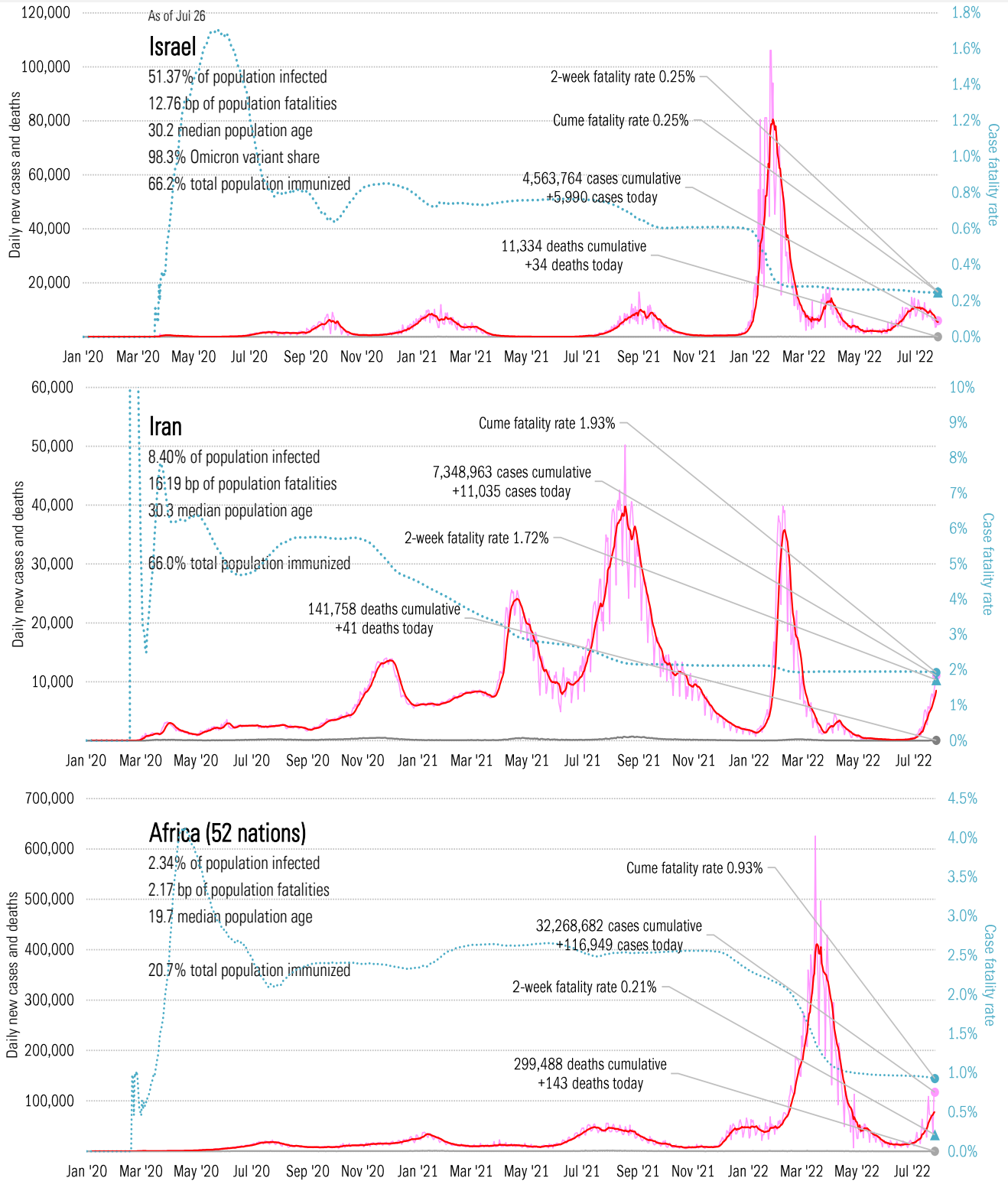
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

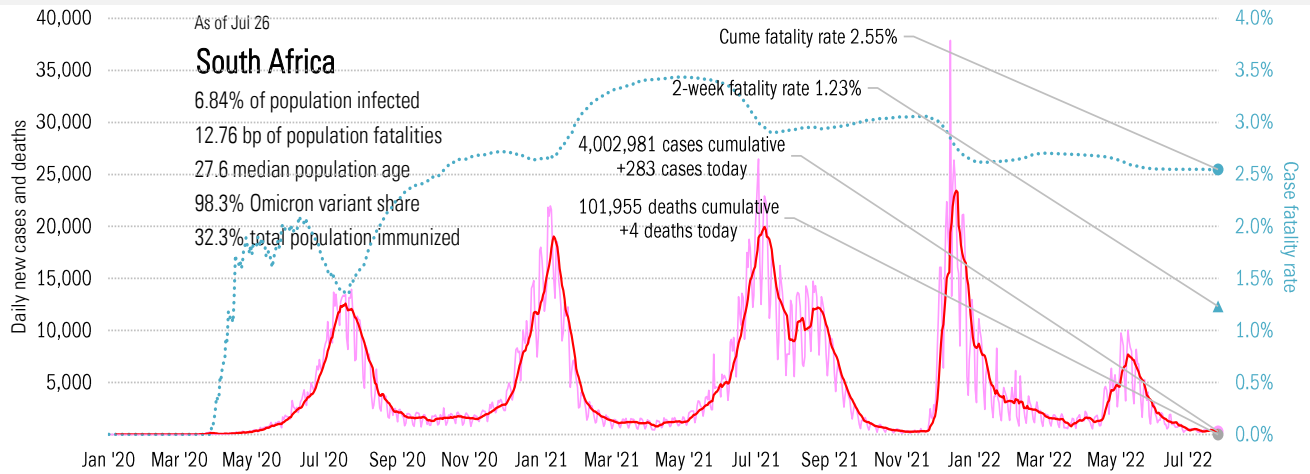
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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