

## Data Insights: Covid-2019 Monitor

Wednesday, July 20, 2022

### The global scorecard

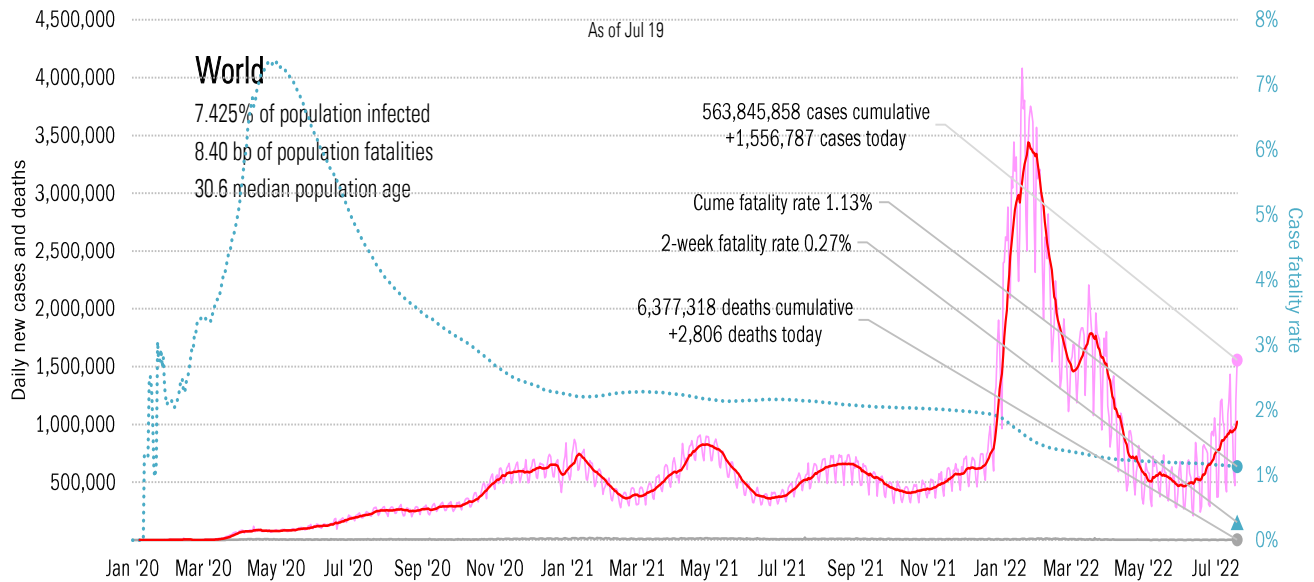
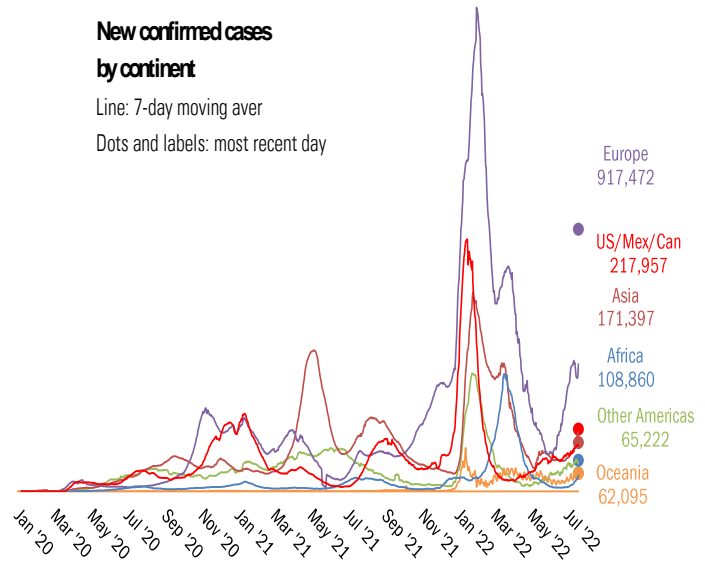
Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Greece	367,629	United States	555
United States	167,297	Brazil	353
Germany	140,999	Spain	294
France	135,827	Greece	231
Italy	121,103	Italy	176
Korea, South	76,378	Mexico	153
Japan	66,692	France	144
Brazil	57,999	Germany	136
Switzerland	49,759	Tunisia	119
Australia	48,902	Australia	90
<b>1,232,585</b>		<b>2,251</b>	
World	1,556,787	World	2,806
Top ten	79%	Top ten	80%

#### 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

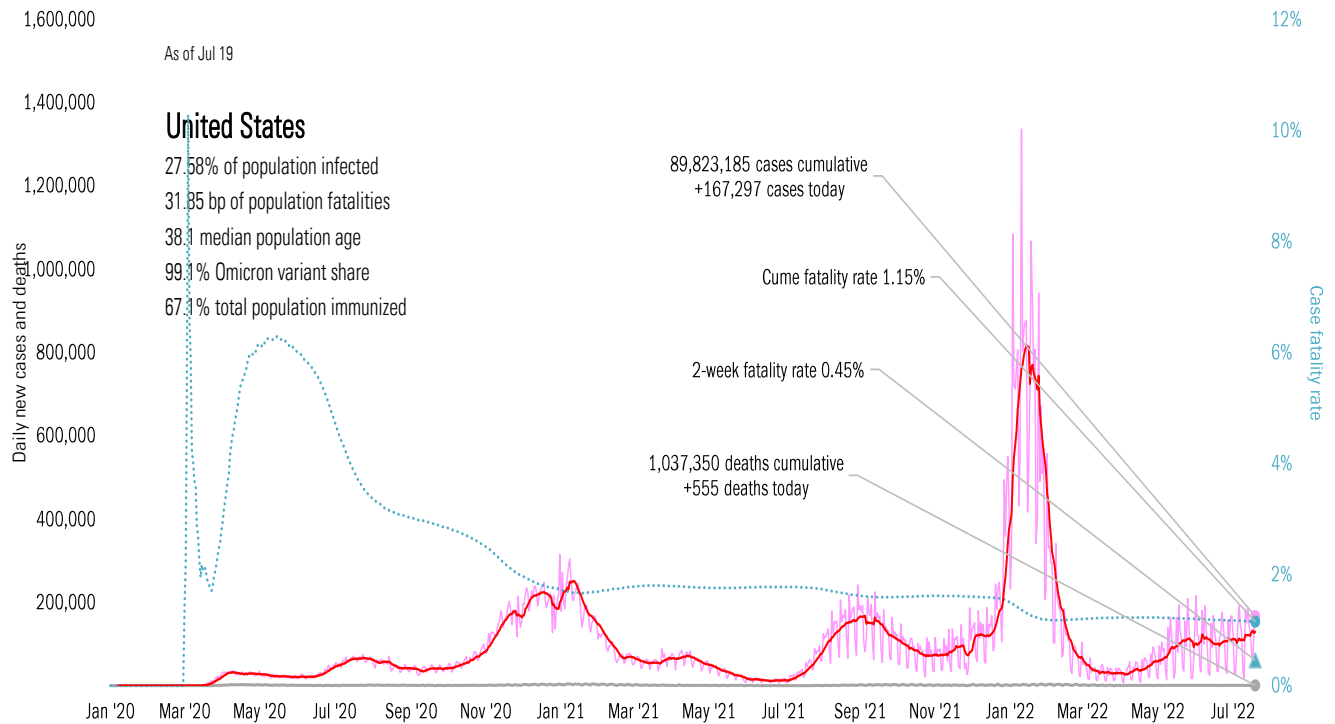
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
CA	52,989		MI	149		GA	229		CA	10,508,352		CA	93,003		TX	514,583		RI	90%	TX	87%
MI	16,445		SC	77		PA	210		TX	7,410,452		TX	88,989		CA	462,912		WA	84%	RI	83%
SC	13,918		CA	71		MI	118		FL	6,672,426		FL	76,839		FL	456,238		MA	84%	VT	83%
FL	11,601		FL	62		SC	87		NY	5,741,196		NY	70,012		NY	276,869		DE	82%	WA	81%
TX	11,396		NY	55		AL	119		IL	3,511,067		PA	45,949		GA	213,399		GA	82%	MA	80%
TN	5,860		NM	37		NE	31		PA	3,038,076		CH	38,959		CH	203,096		MO	81%	AL	80%
NY	5,491		TX	26		MA	102		NC	2,919,068		GA	38,821		PA	190,109		MN	81%	DC	79%
NJ	4,327		MD	13		CH	188		CH	2,891,756		IL	38,766		IL	172,427		AK	80%	NC	79%
IL	3,805		OR	13		TN	118		GA	2,694,160		MI	37,291		MI	152,009		WV	80%	DE	78%
LA	3,671		IL	11		AR	68		MI	2,652,659		NJ	34,174		KY	137,752		NV	80%	NM	78%
129,503			514			1,270			48,039,212			562,803			2,779,394						
All states 167,297			555			5,556			All states 89,823,185			1,037,350			5,045,902			All states 70%		67%	
Top ten 77%			93%			23%			Top ten 53%			55%			55%			Median 74%		72%	

Some states not reporting

## Five most improved US states

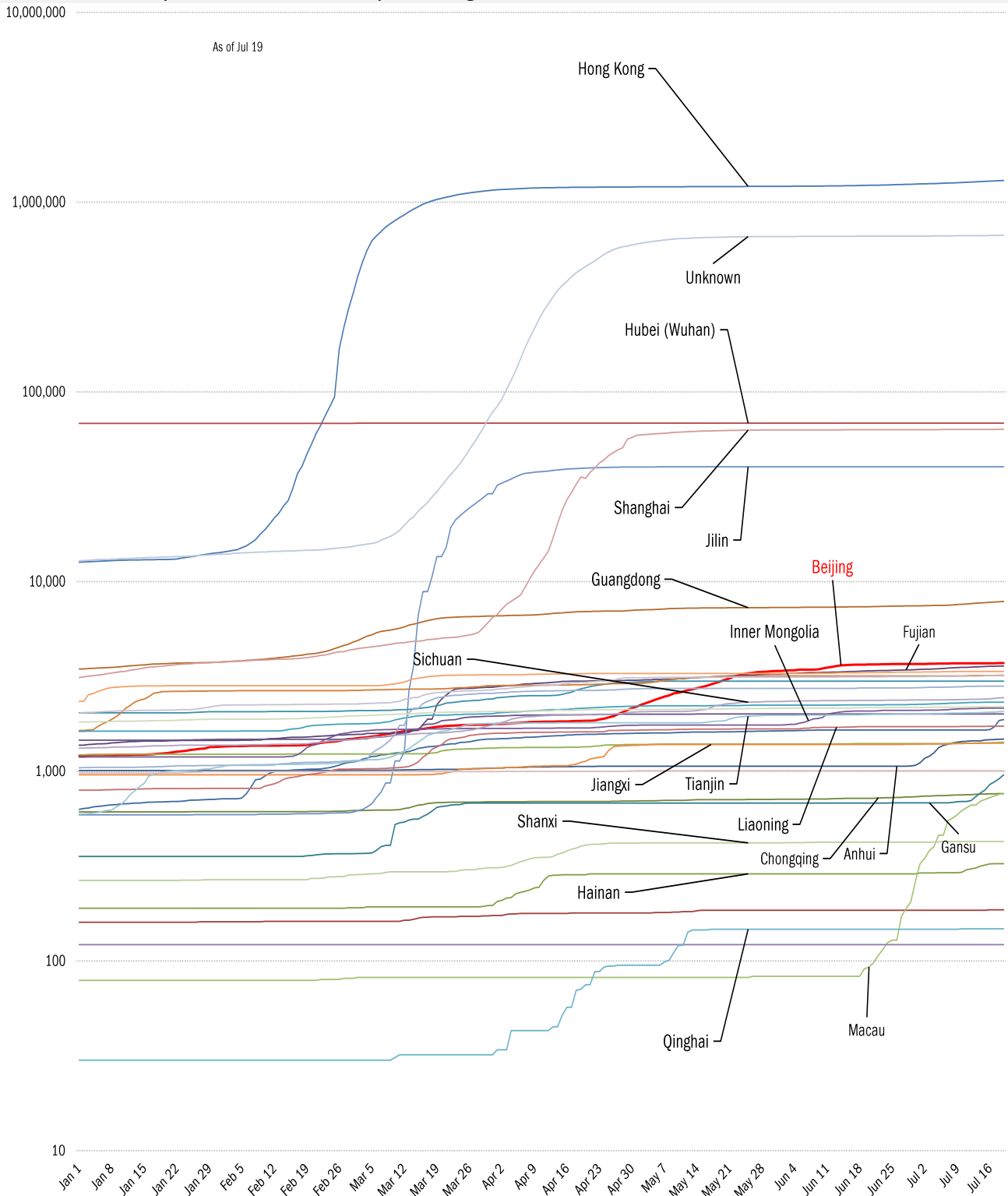
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-8,620	FL	-53	CA	-263
WA	-7,508	WA	-31	FL	-219
IL	-7,443	CR	-21	TX	-169
KY	-4,942	CO	-14	IL	-133
VA	-4,154	IL	-7	NJ	-106



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"*



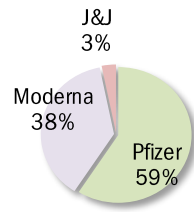
Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	614,375,071	+0.243 million	US	67.1%	78.5%
of which boosters	109,001,813	+0.059 million	UK	74.7%	79.7%
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>
Total population	268,744,531	80%	228,983,309	69%	+0.035 million
Age 12 to 17	17,986,428	71%	15,385,626	61%	+0.003 million
Age 18 to 64	180,059,671	89%	152,815,245	75%	+0.019 million
Age 65 and over	59,481,476	100%	52,022,449	95%	+0.007 million

France	78.5%	80.8%
Spain	85.5%	86.9%
Germany	76.0%	77.6%
Italy	81.0%	85.8%
Australia	83.7%	86.3%
Israel	66.2%	72.3%
Canada	82.5%	85.9%
Japan	82.2%	83.3%
Africa	20.3%	25.8%
India	65.7%	72.4%
Brazil	79.1%	86.3%
China	88.5%	90.9%



State
AK
70.9%
62.8%

**State**

At least partial immunity as % population

Full immunity as % population

"Immunity" = two doses

Best (Blue)

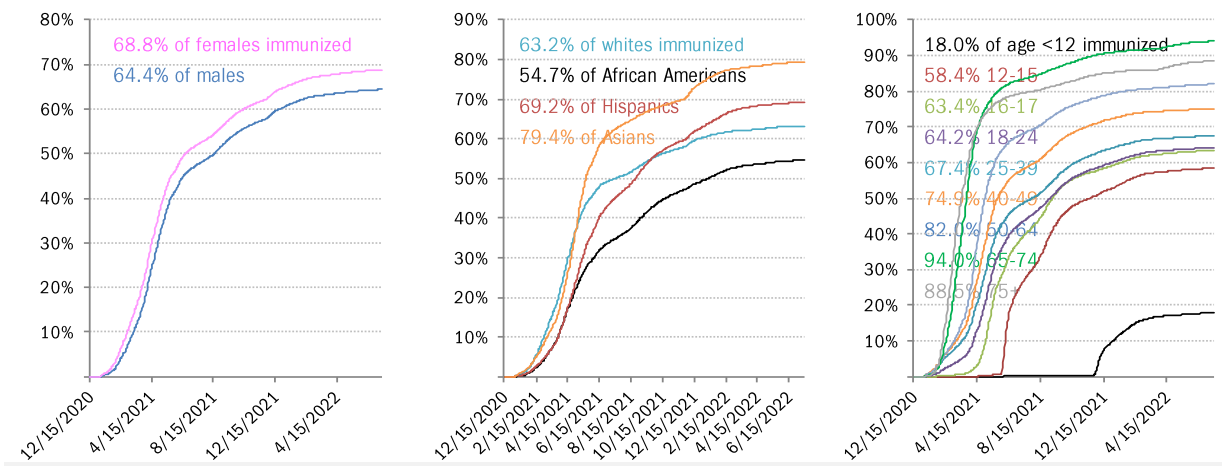
Middle (Purple)

Worst (Red)

As of Jul 14

State	At least partial immunity as % population	Full immunity as % population
WA	82.0%	73.1%
ID	62.4%	55.9%
MT	66.0%	57.4%
ND	66.4%	56.2%
MN	76.0%	69.8%
IL	76.5%	69.2%
MI	67.6%	60.7%
OR	78.8%	70.3%
NV	76.3%	61.5%
WY	58.8%	51.5%
SD	78.0%	62.8%
IA	68.6%	62.5%
IN	62.7%	56.5%
OH	63.9%	58.9%
PA	86.4%	69.8%
NJ	91.3%	77.9%
MA	95.0%	80.1%
CA	83.3%	73.0%
UT	72.9%	64.9%
CO	80.5%	71.0%
NE	71.1%	64.2%
MO	67.0%	56.8%
KY	66.9%	58.0%
WV	65.7%	58.2%
VA	86.9%	73.9%
MD	87.9%	76.6%
CT	95.0%	80.2%
RI	95.0%	84.0%
AZ	74.5%	62.5%
NM	89.4%	72.1%
KS	73.4%	62.7%
AR	67.6%	55.1%
TN	62.8%	55.0%
NC	86.2%	62.7%
SC	68.6%	57.8%
DC	95.0%	76.6%
DE	84.5%	70.3%
OK	72.0%	58.1%
LA	61.7%	54.0%
MS	60.3%	52.5%
AL	63.4%	51.7%
GA	66.2%	55.5%
HI	88.8%	79.3%
TX	74.6%	62.4%
FL	80.3%	67.7%
PR	95.0%	83.7%
WI	72.6%	66.2%
ME	92.3%	80.7%
NH	89.8%	71.7%
VT	95.0%	82.1%

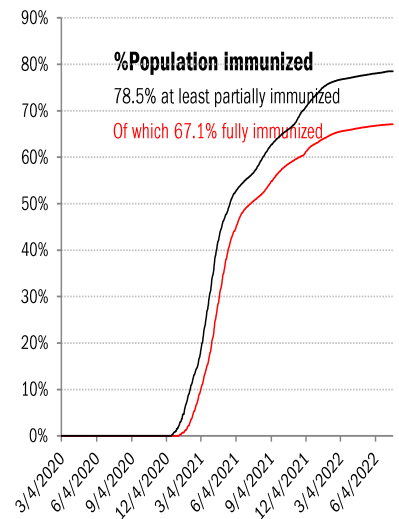
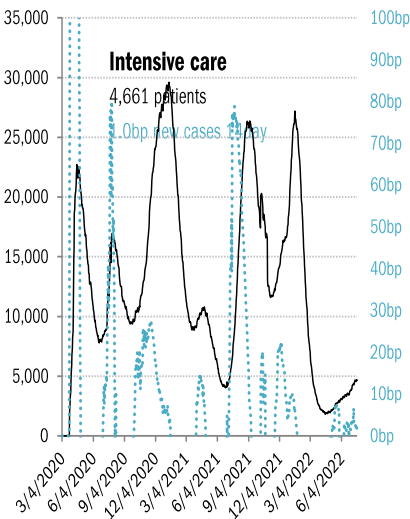
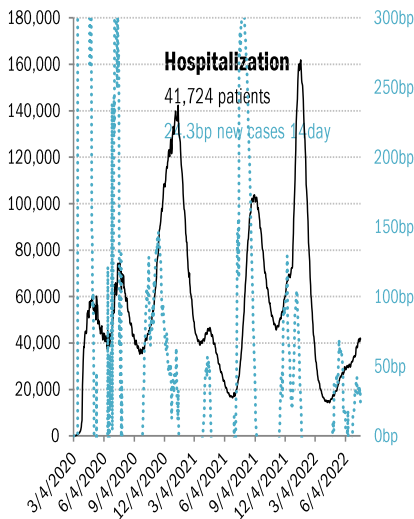
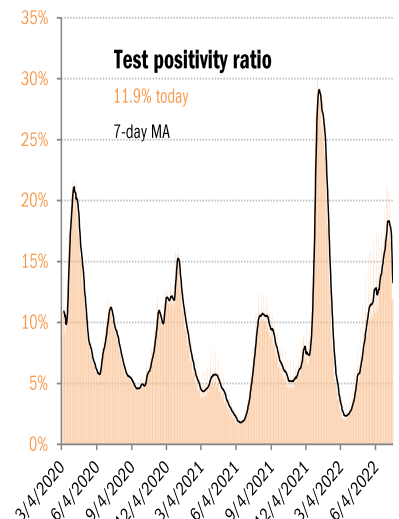
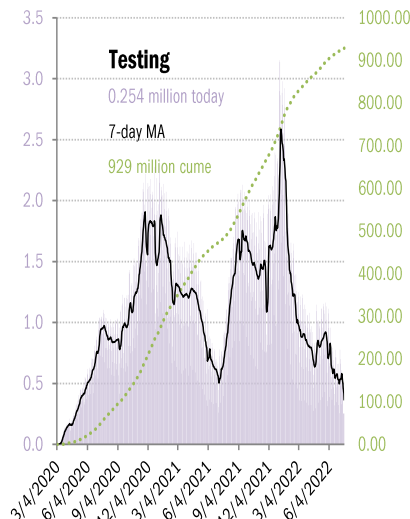
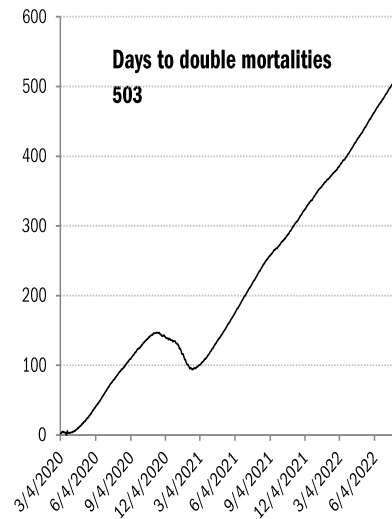
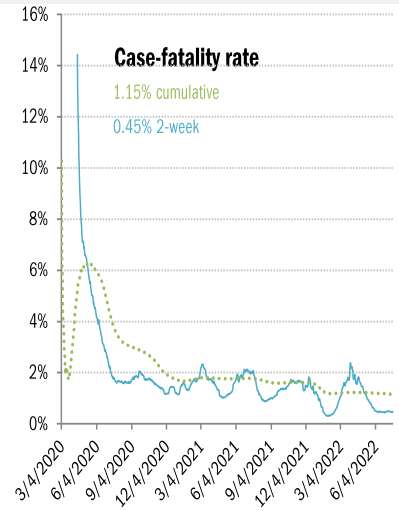
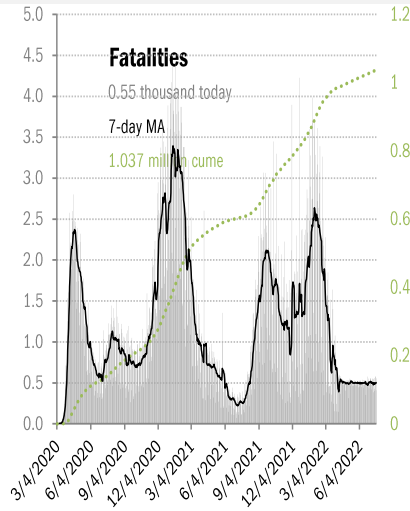
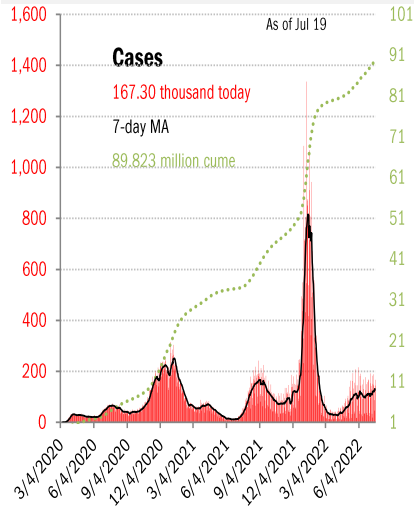
## The demographics of US vaccination



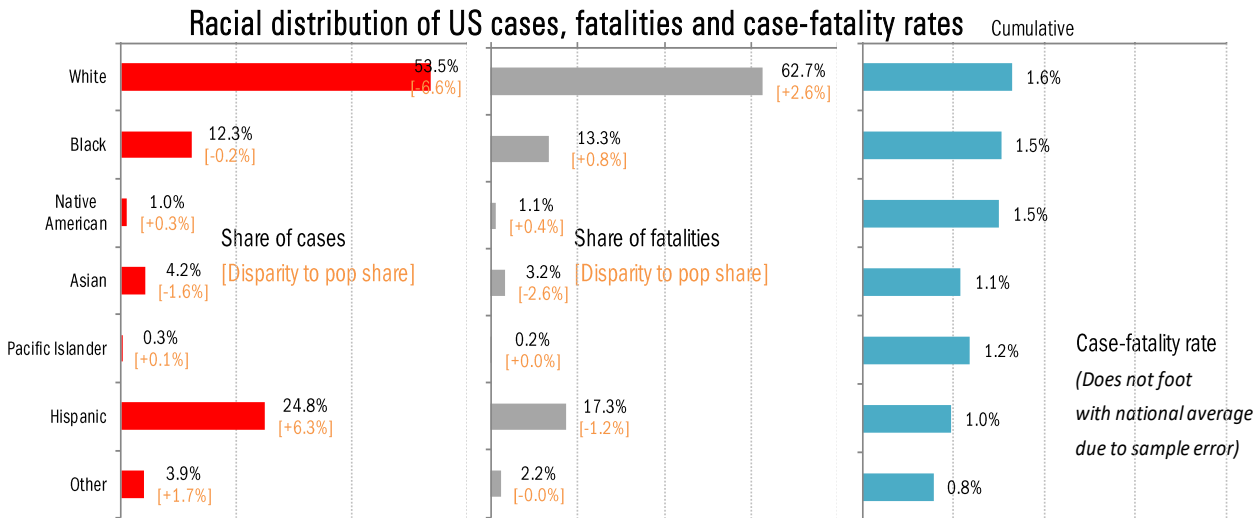
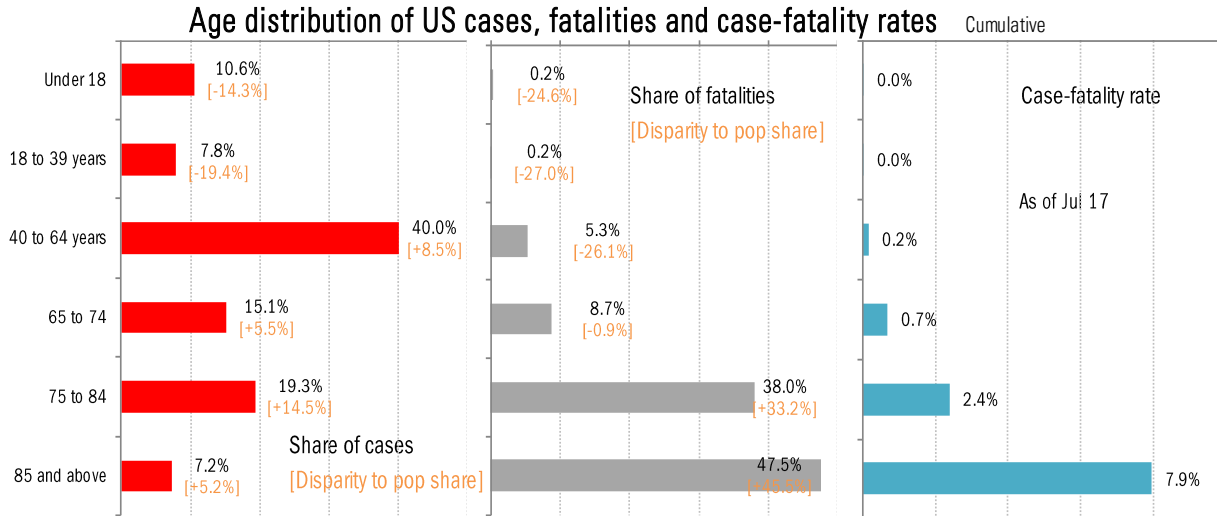
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

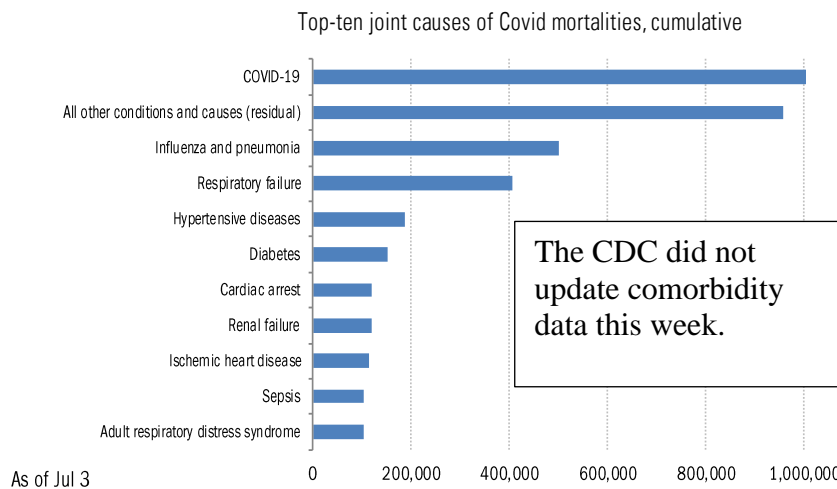
National and state-by-state data do not line up because of different sources



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



### Comorbidities



The CDC did not update comorbidity data this week.

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

[Gov. J.B. Pritzker tests positive for COVID-19](#)

Dan Petrella  
*Chicago Tribune*  
July 19, 2022

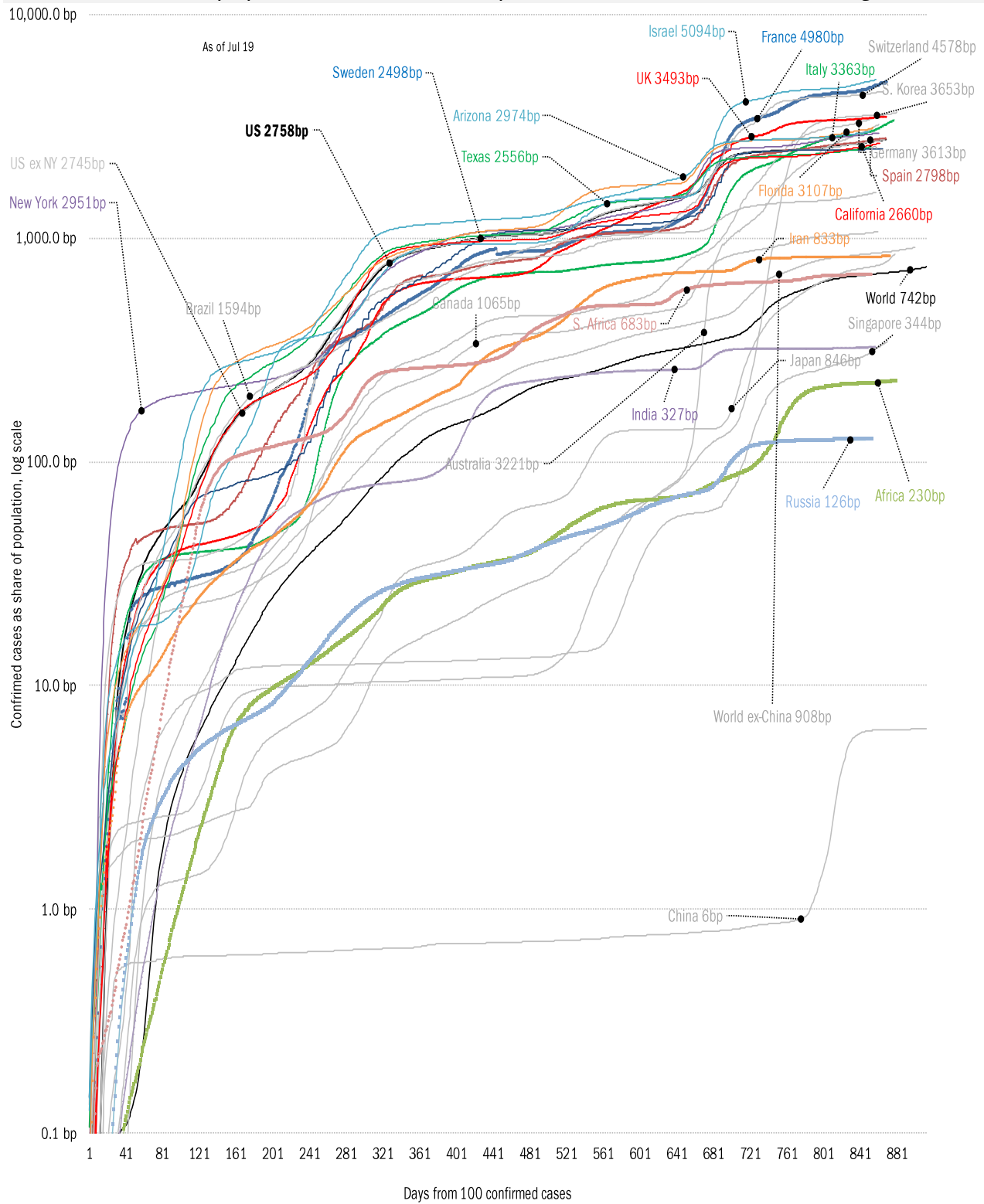
## Meme of the day



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

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

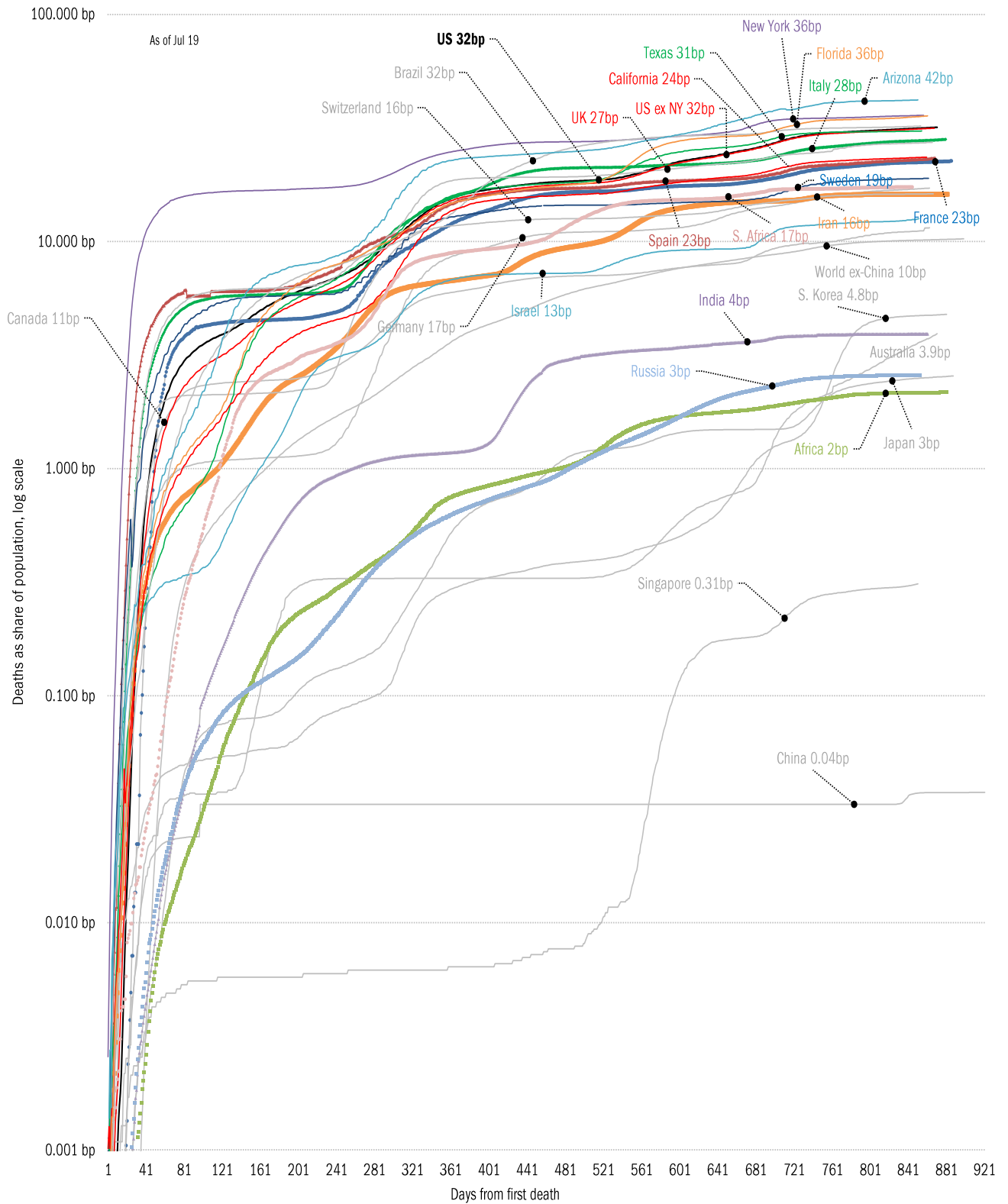
*Share of infected population from first day with 100 confirmed cases, log scale*



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*

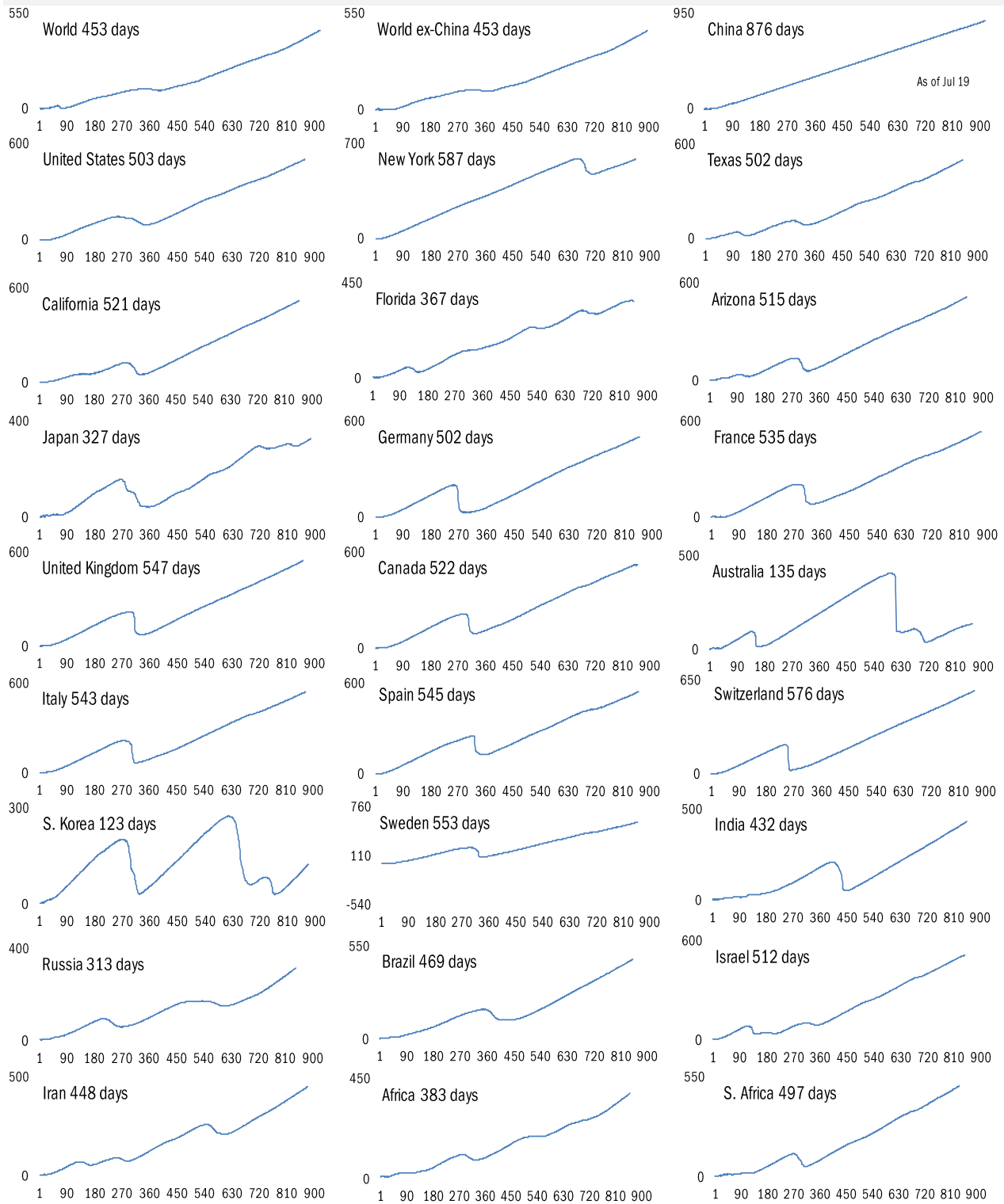


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

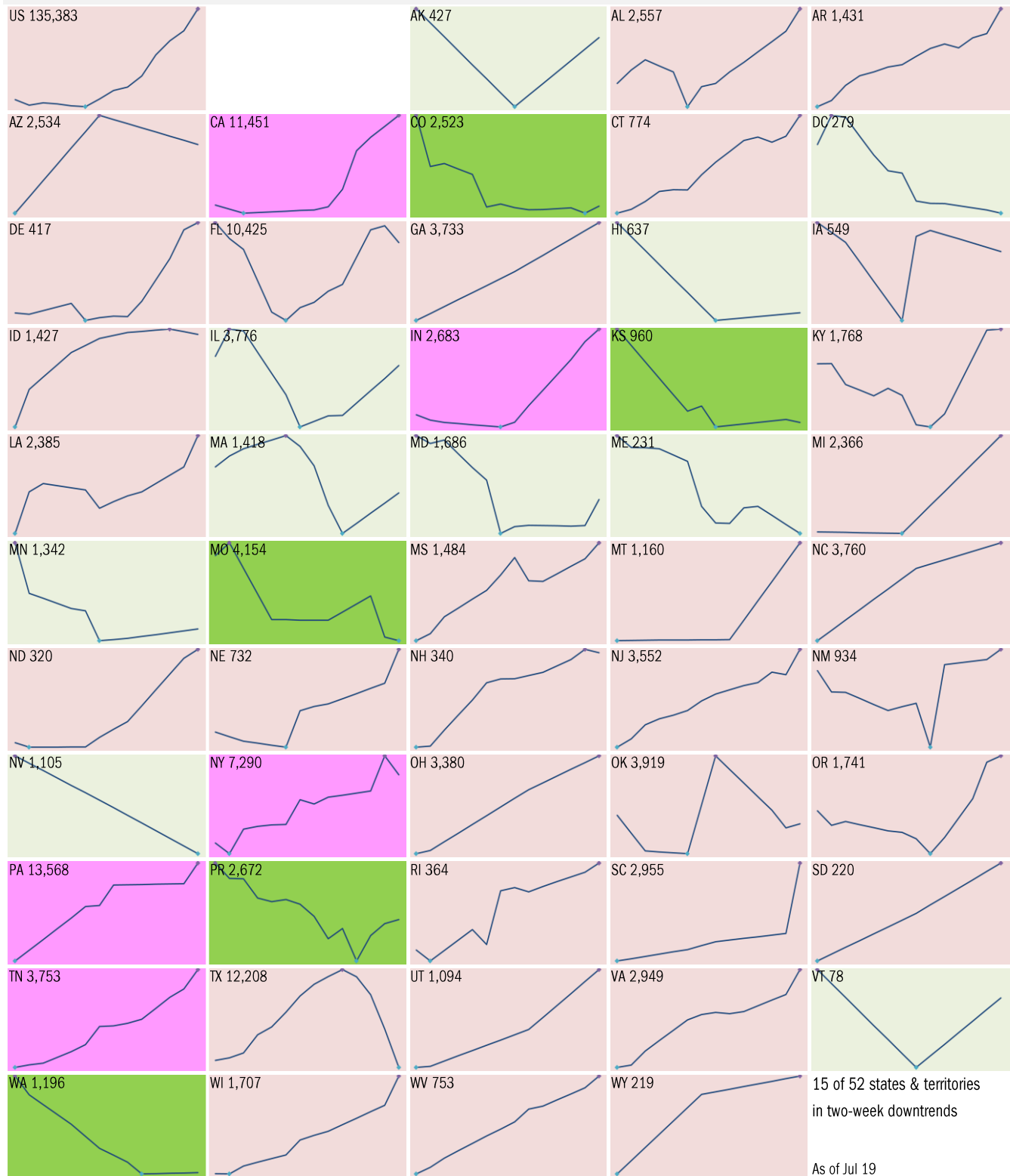


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

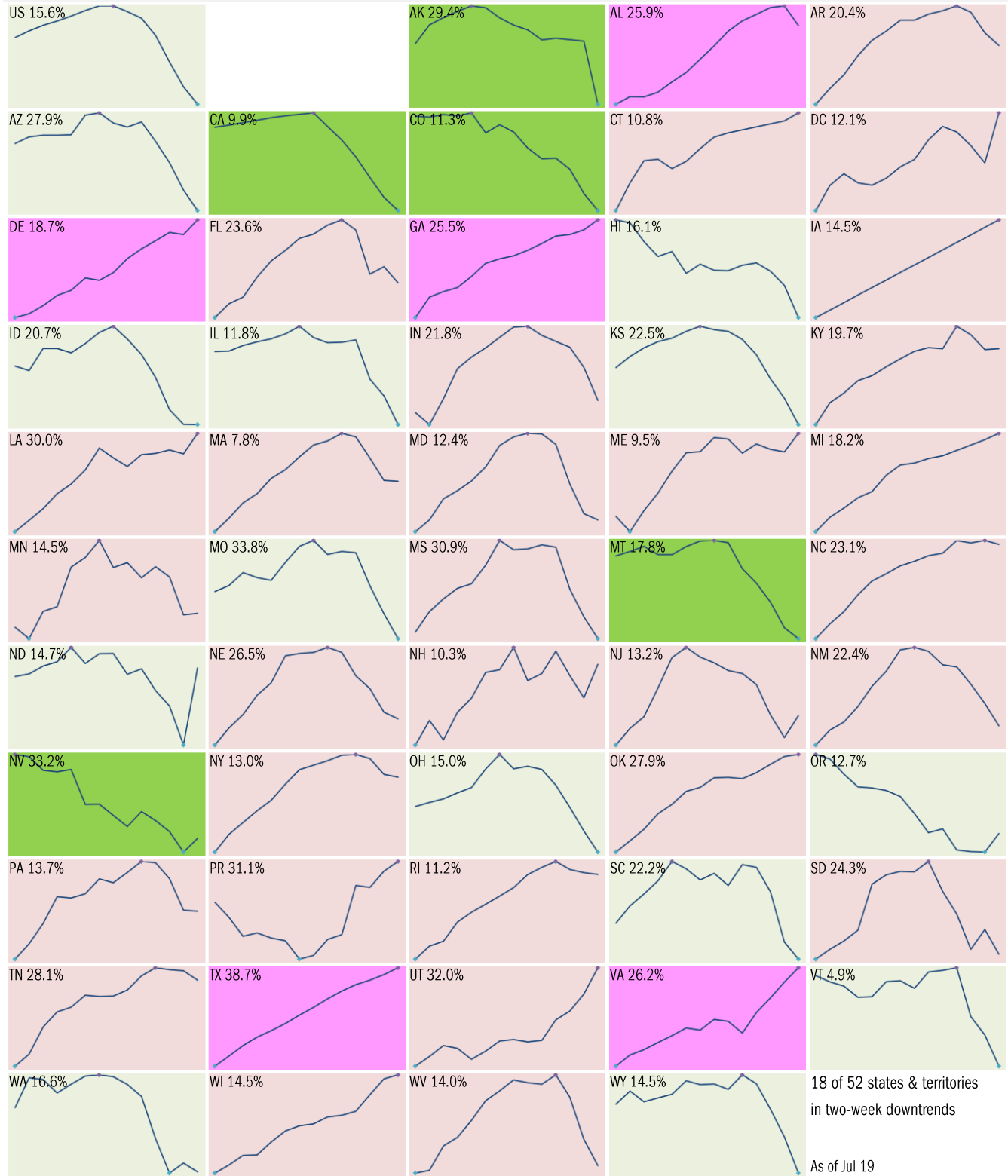


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

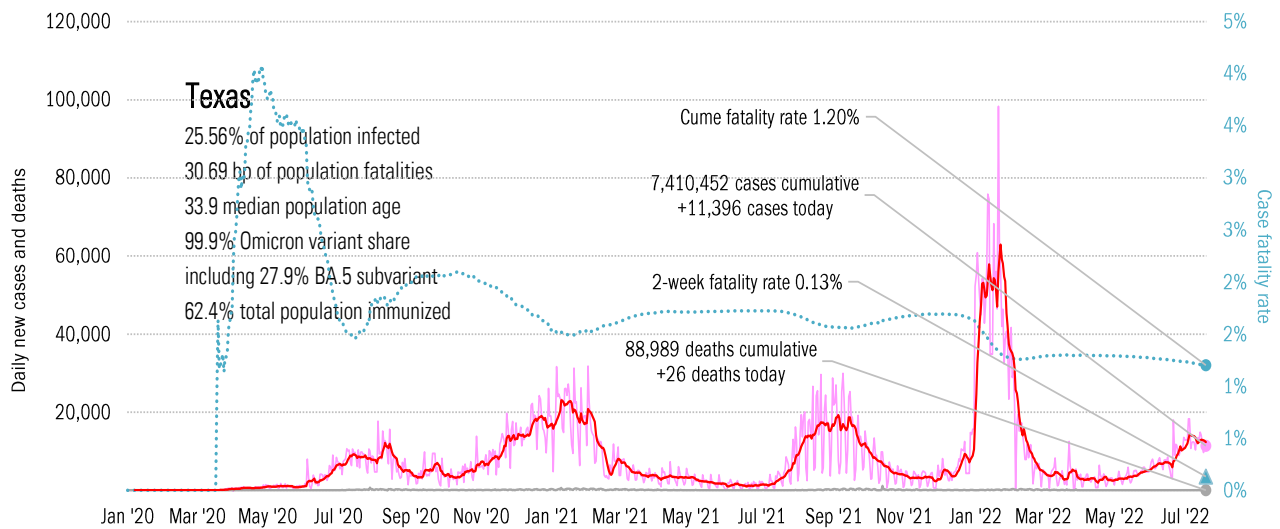
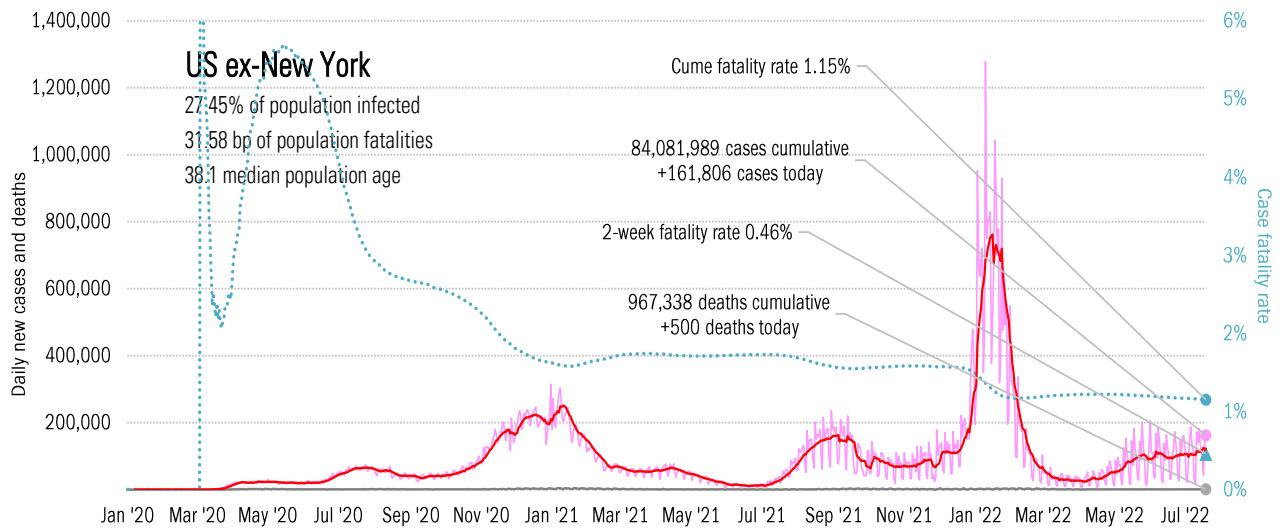
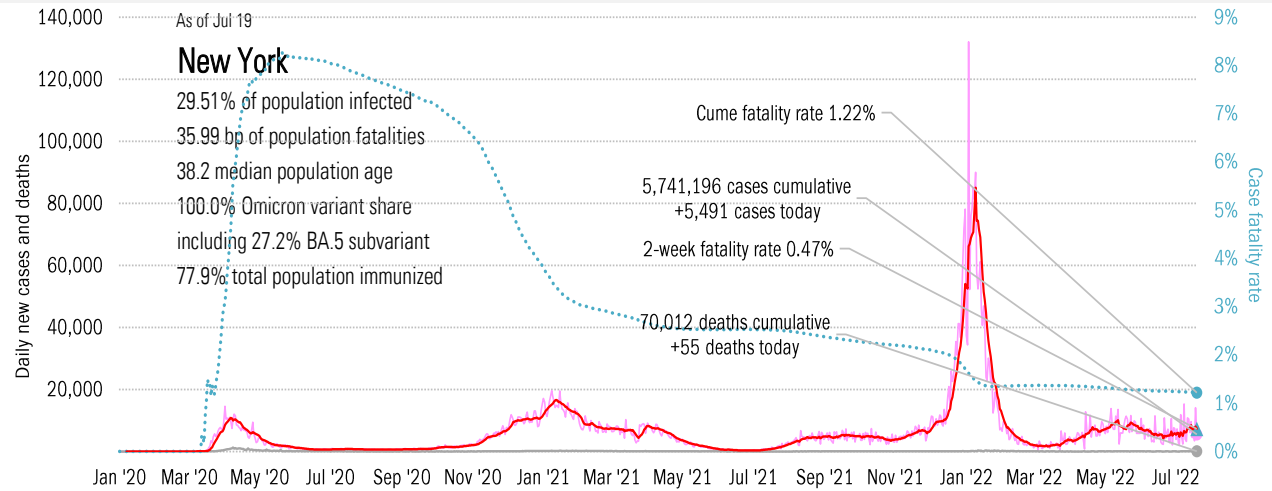
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

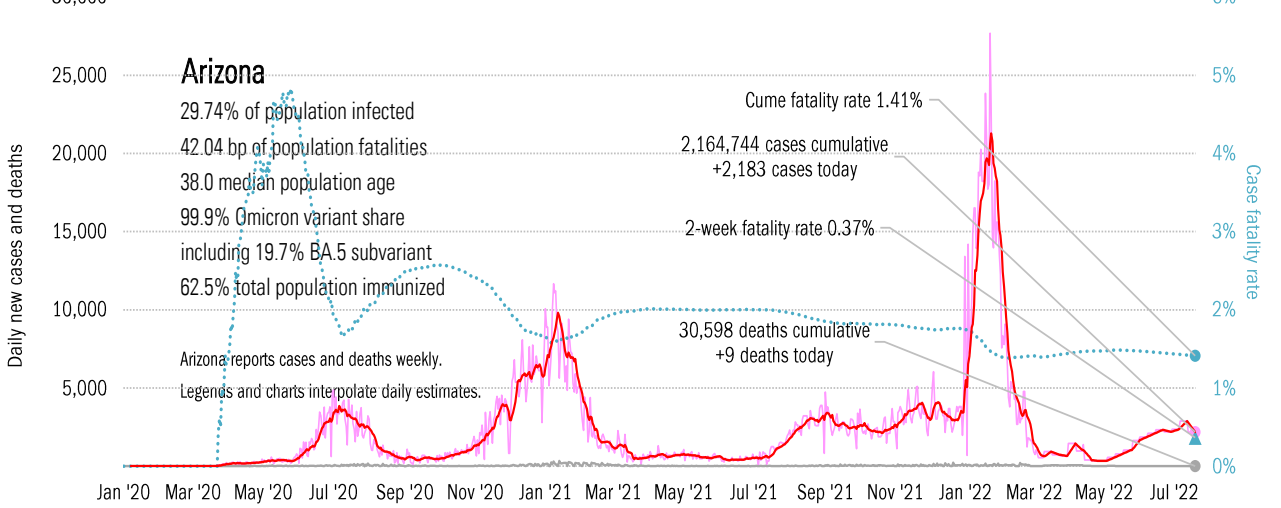
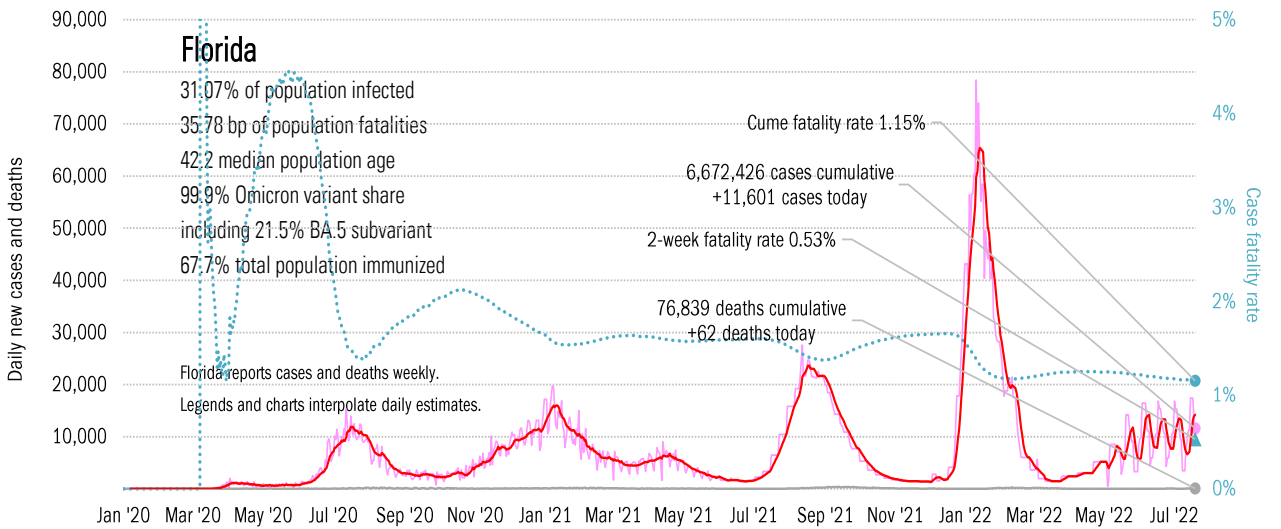
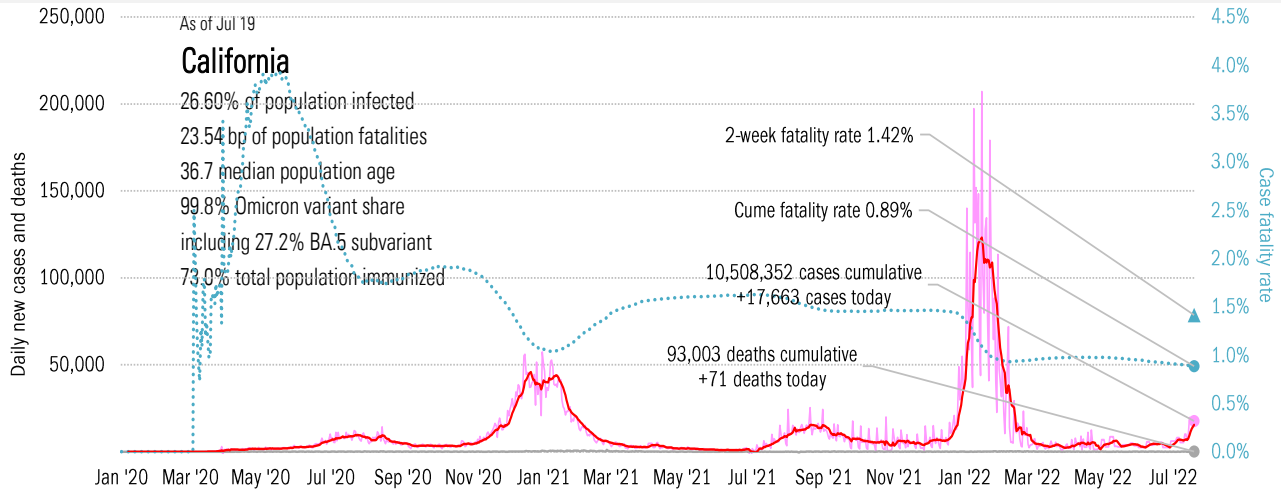
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

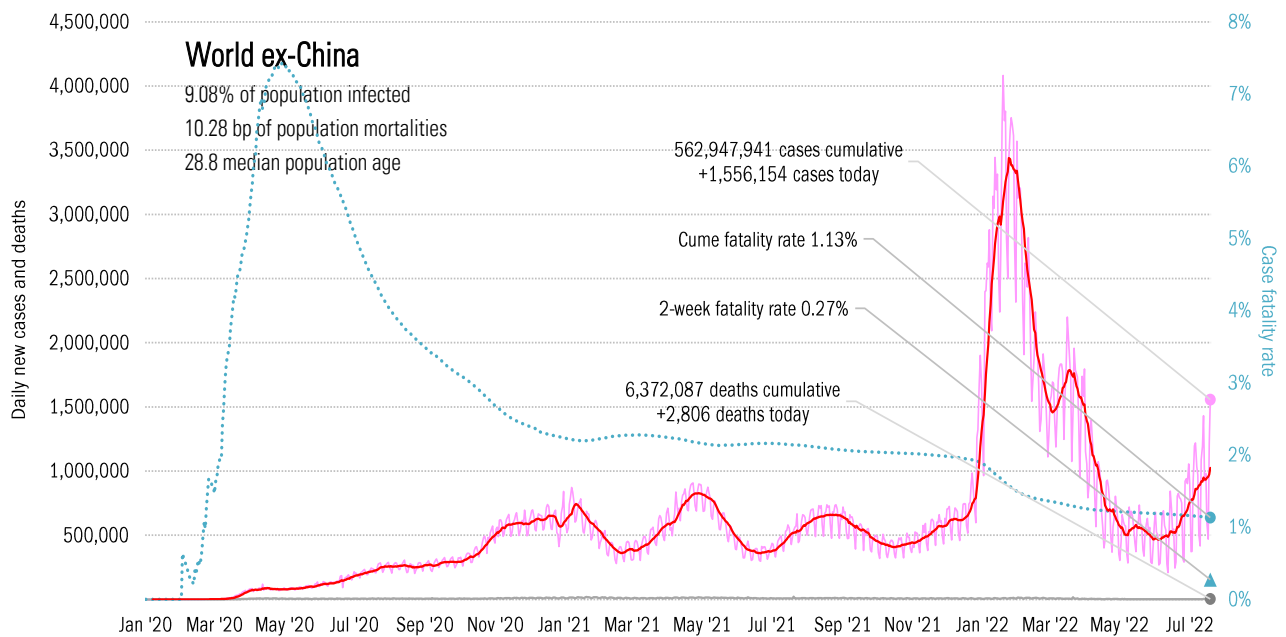
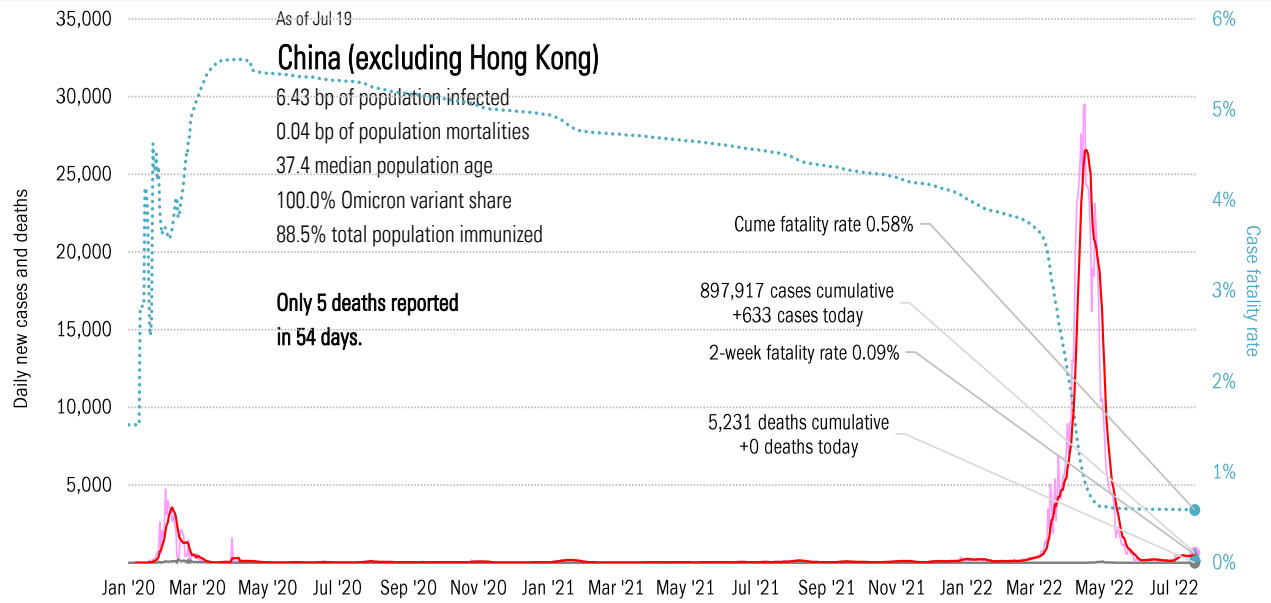
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

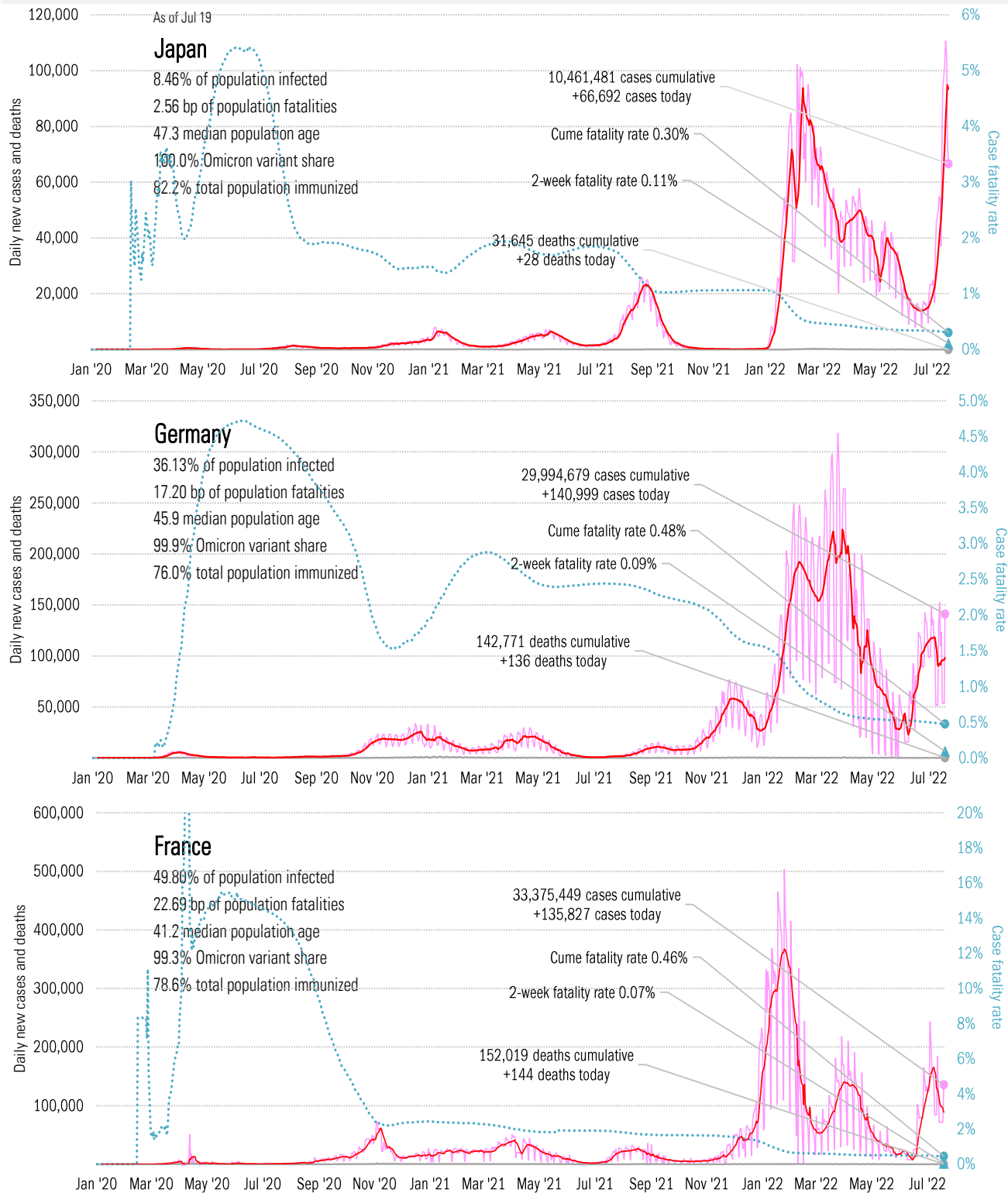
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

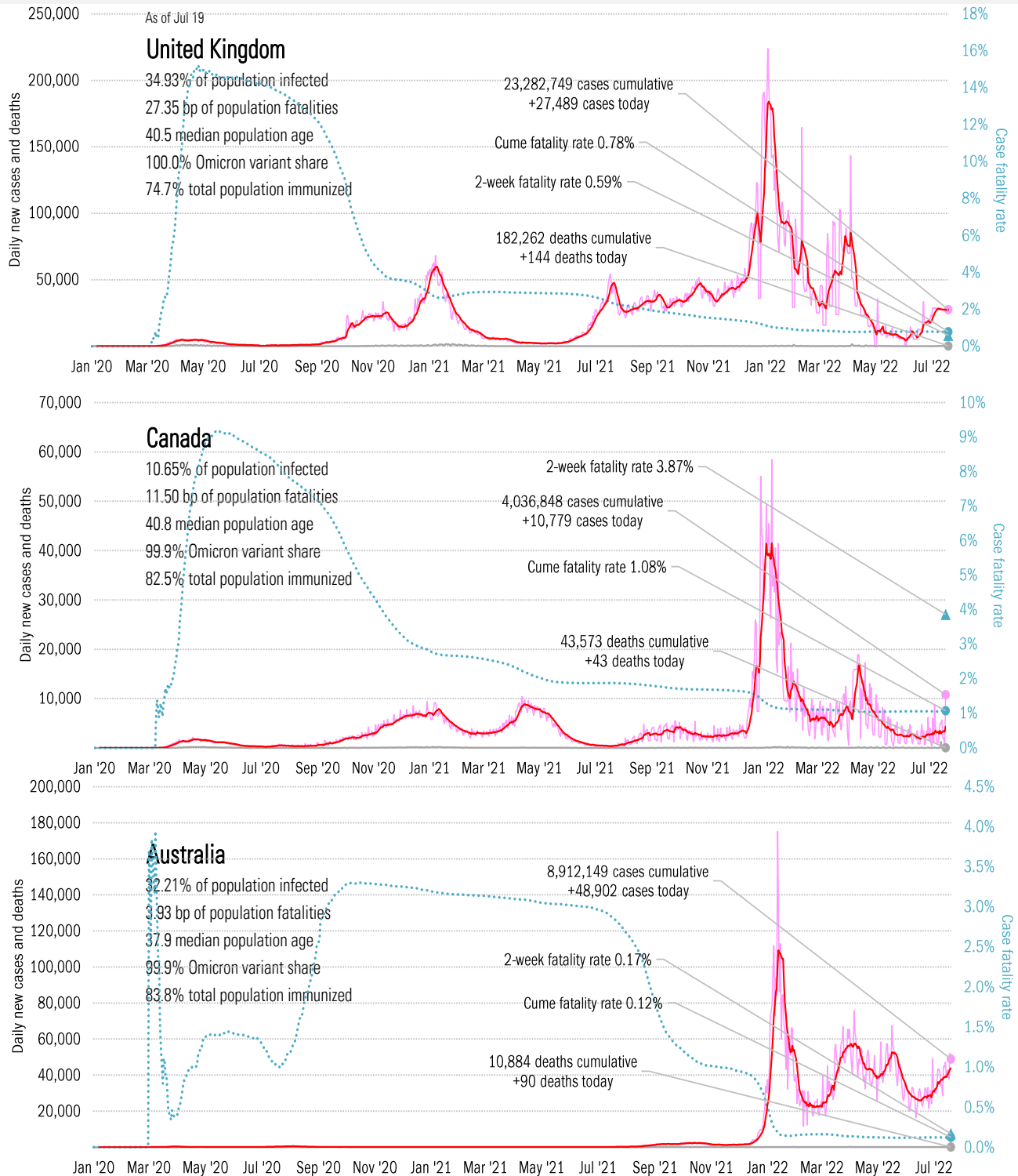


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

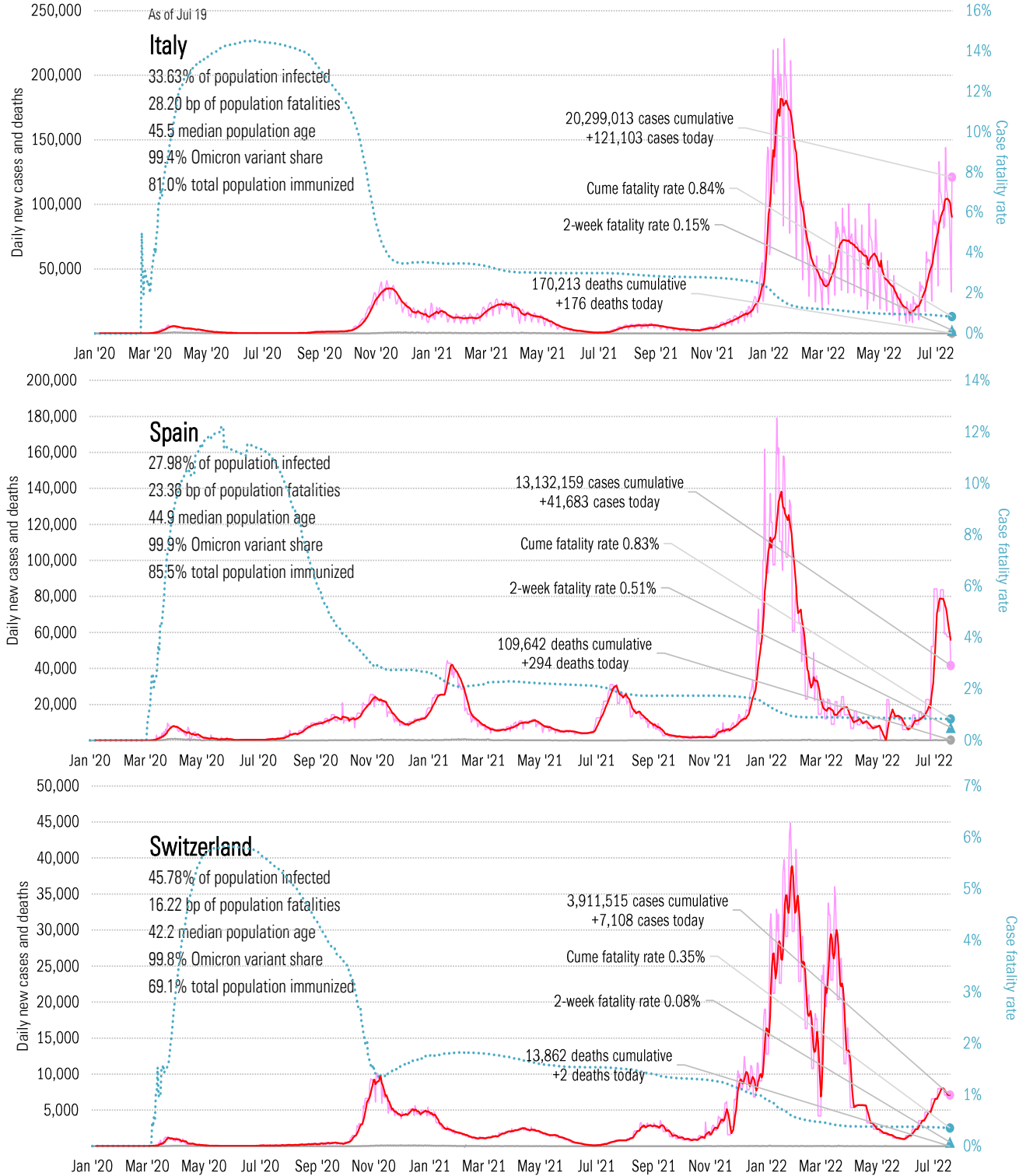
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

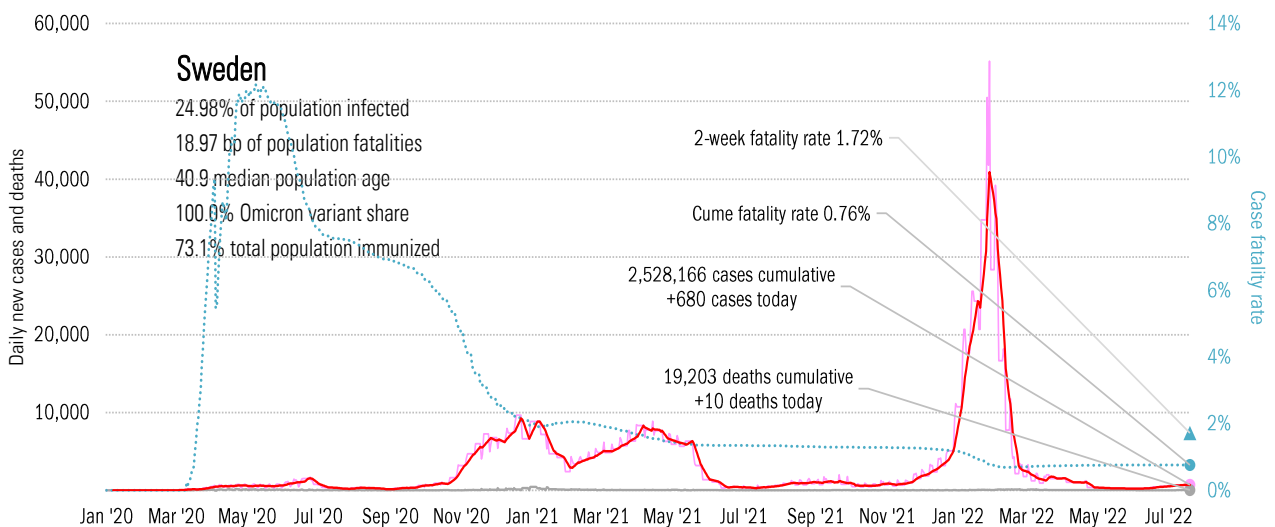
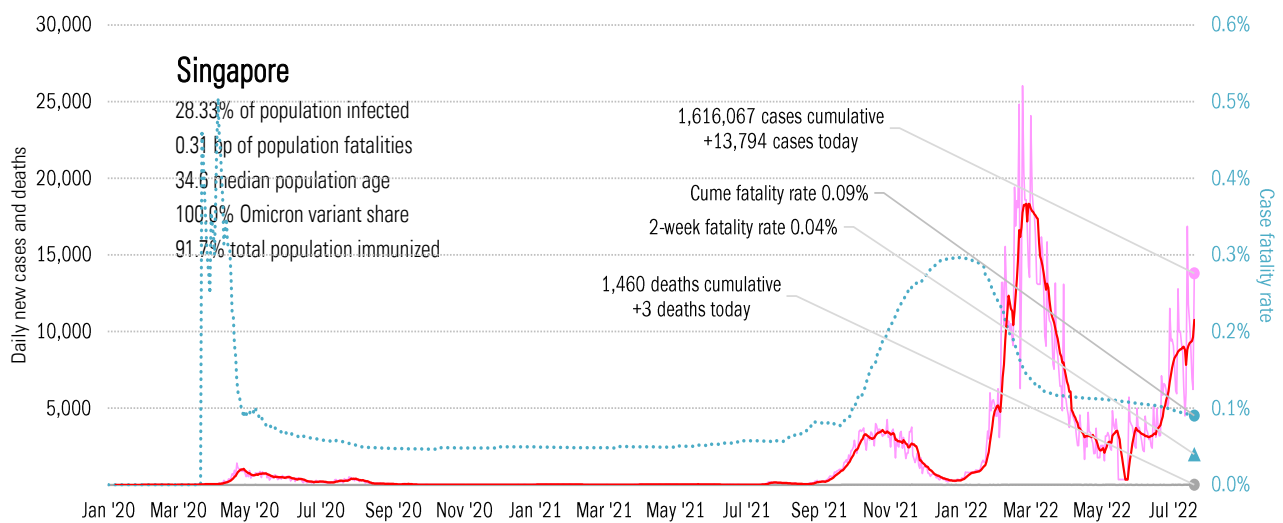
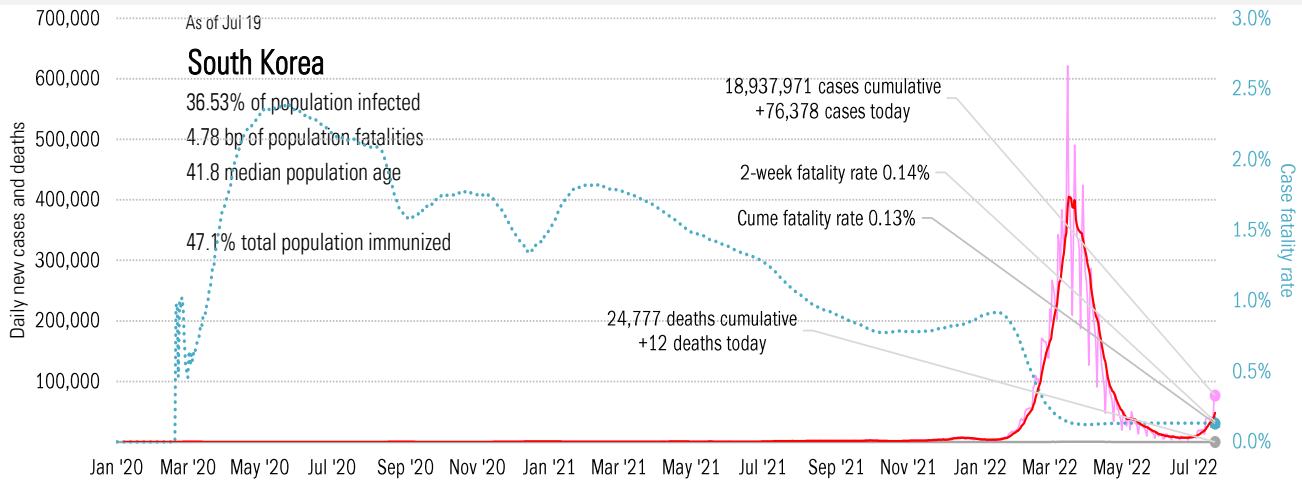
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

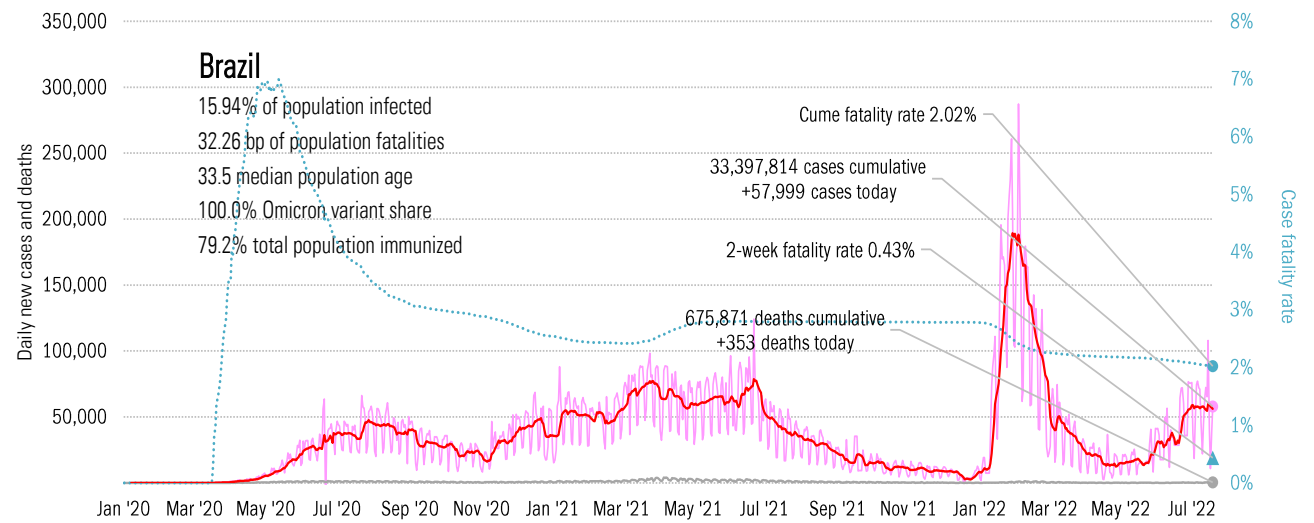
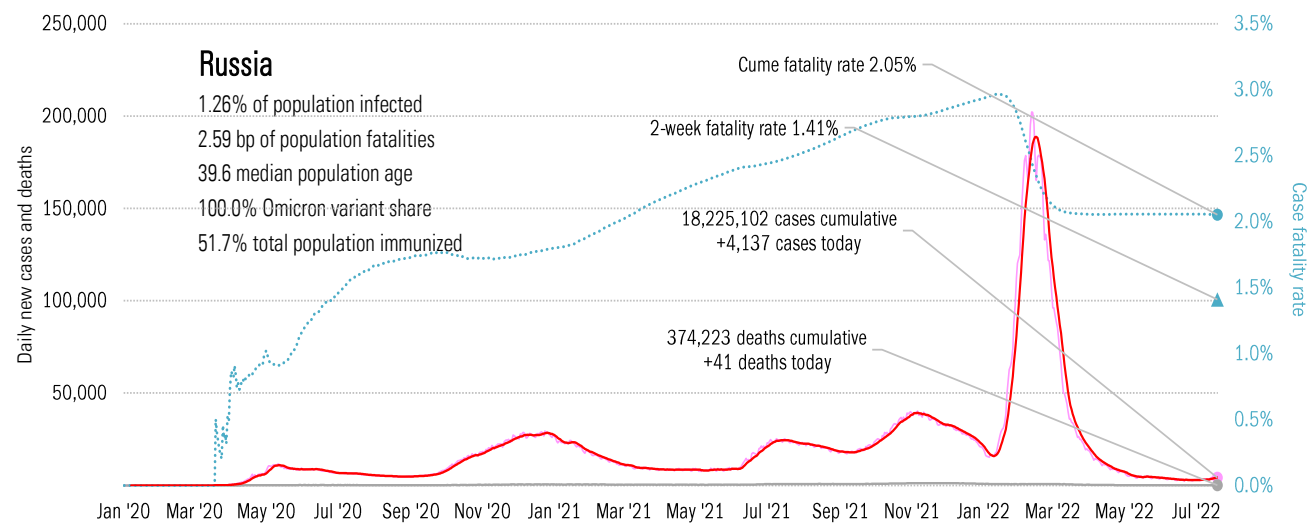
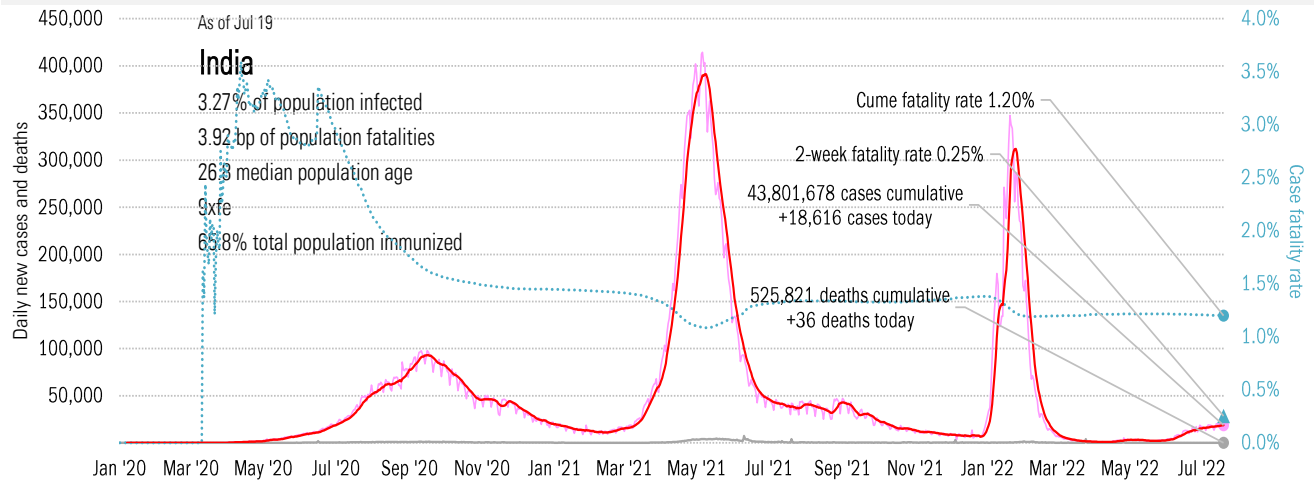
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

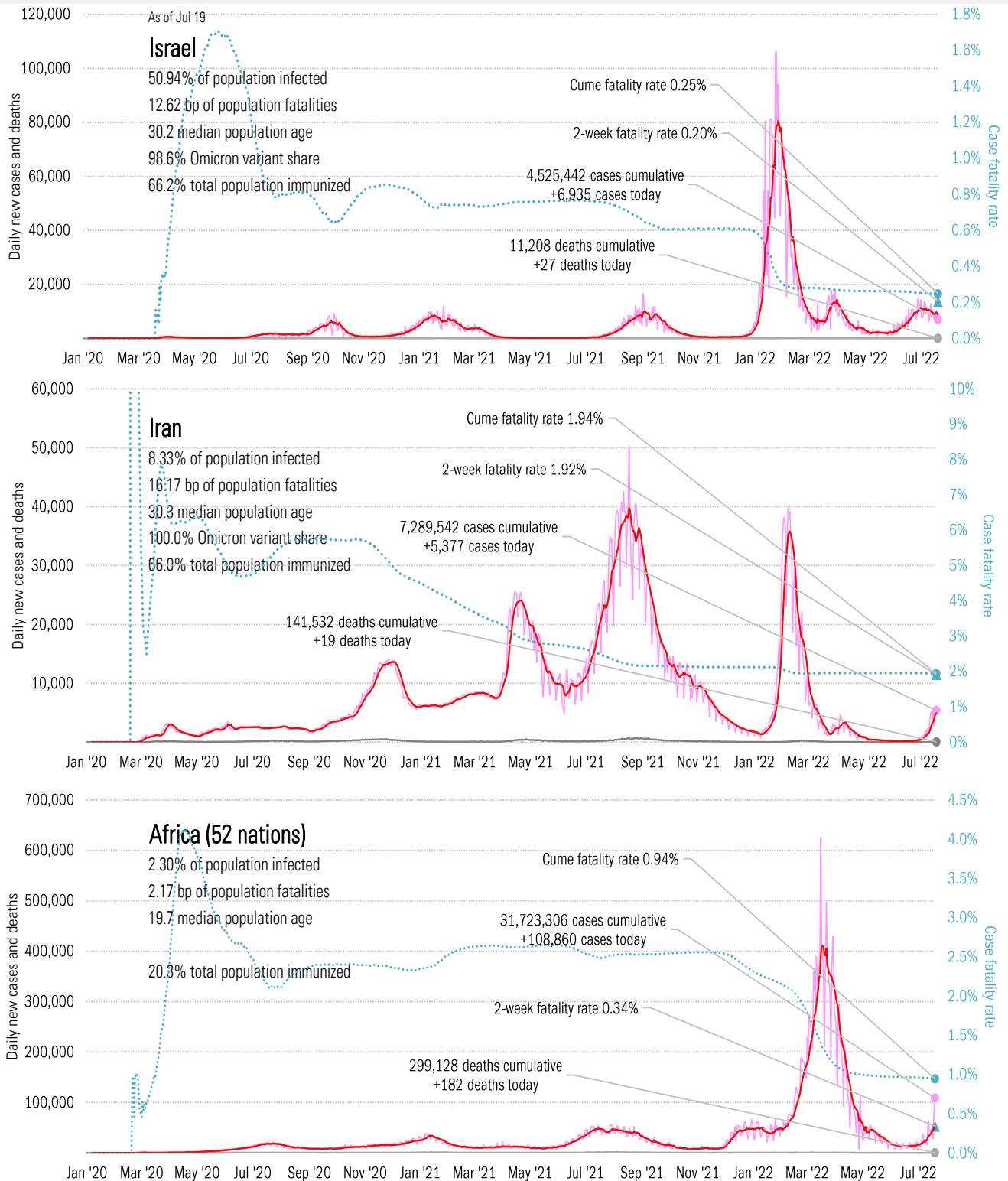
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

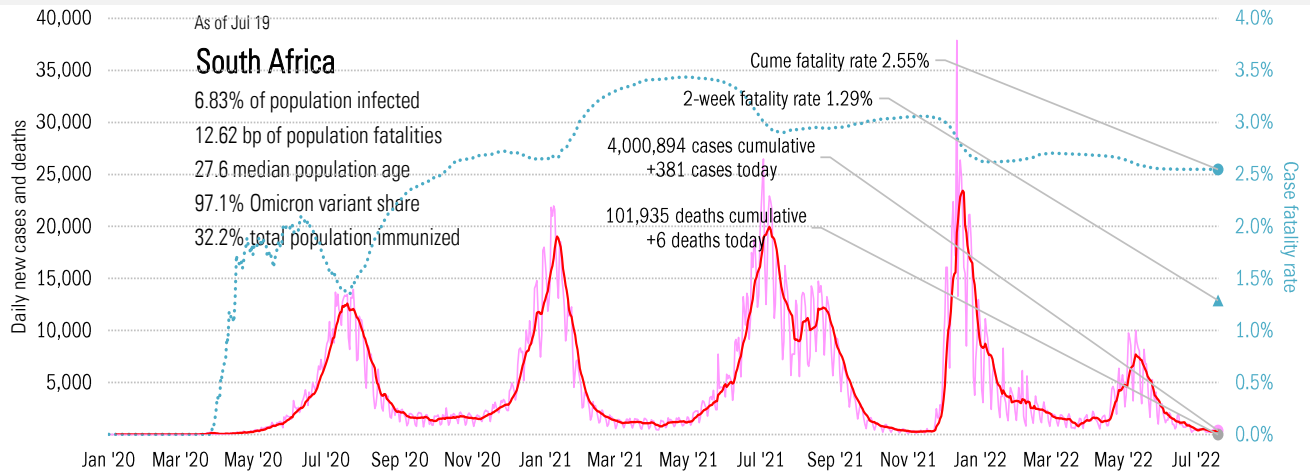
Cases: **7-day average** and **daily** Deaths: **Daily**



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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