

## Data Insights: Covid-2019 Monitor

Wednesday, June 29, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

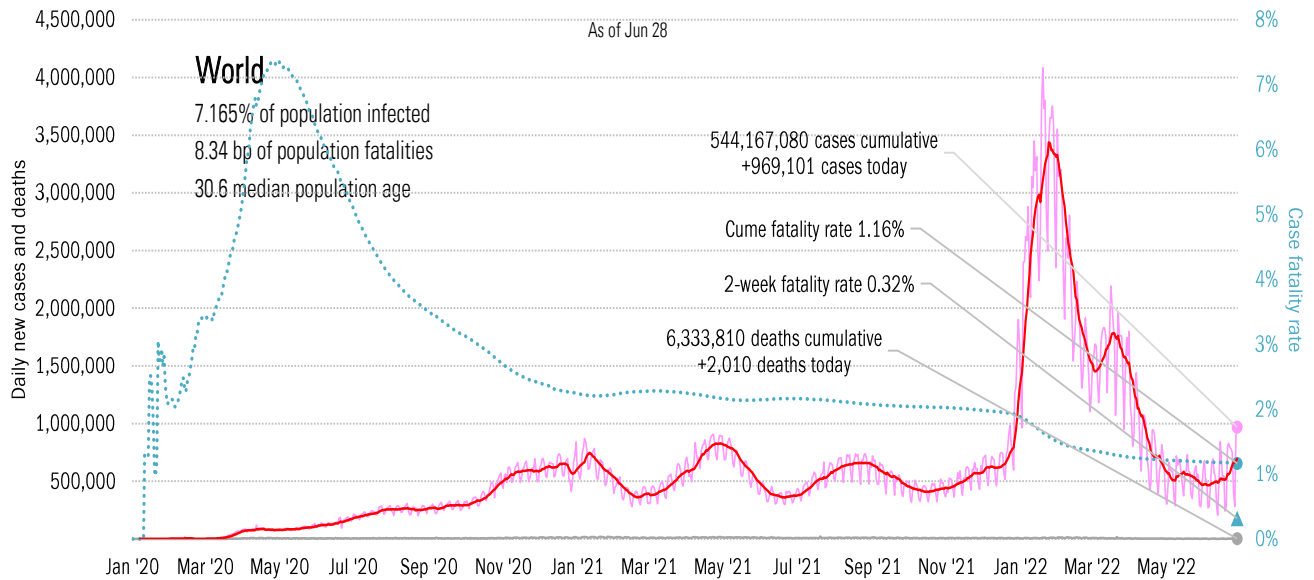
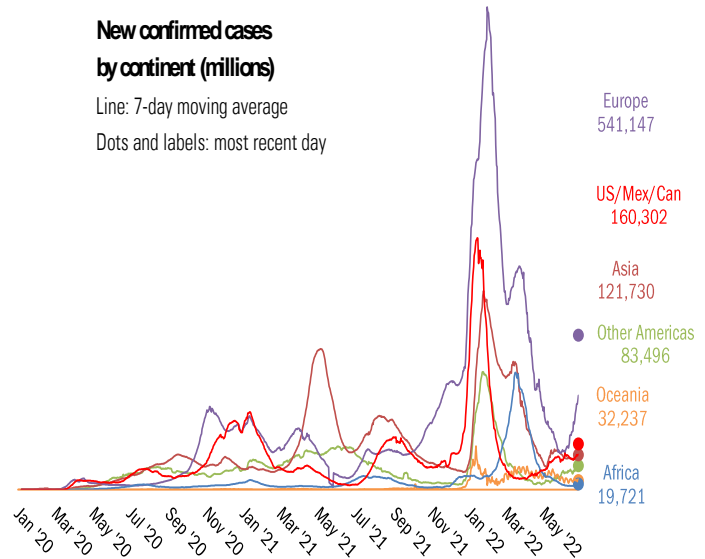
#### The worst ten countries

New cases		New Deaths	
France	148,037	United States	553
United States	135,908	Brazil	316
Germany	133,950	Germany	175
Italy	84,161	United Kingdom	117
Brazil	76,638	Japan	108
Spain	52,218	Spain	107
Taiwan*	44,417	Taiwan*	103
Switzerland	33,115	Italy	69
Australia	24,137	Russia	57
United Kingdom	21,412	Australia	55
<b>753,993</b>		<b>1,660</b>	
World	969,101	World	2,010
Top ten	78%	Top ten	83%

#### New confirmed cases by continent (millions)

Line: 7-day moving average

Dots and labels: most recent day



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

#### For more information contact us:

Donald Luskin: 214 550 2121 [don@trendmacro.com](mailto:don@trendmacro.com)  
 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

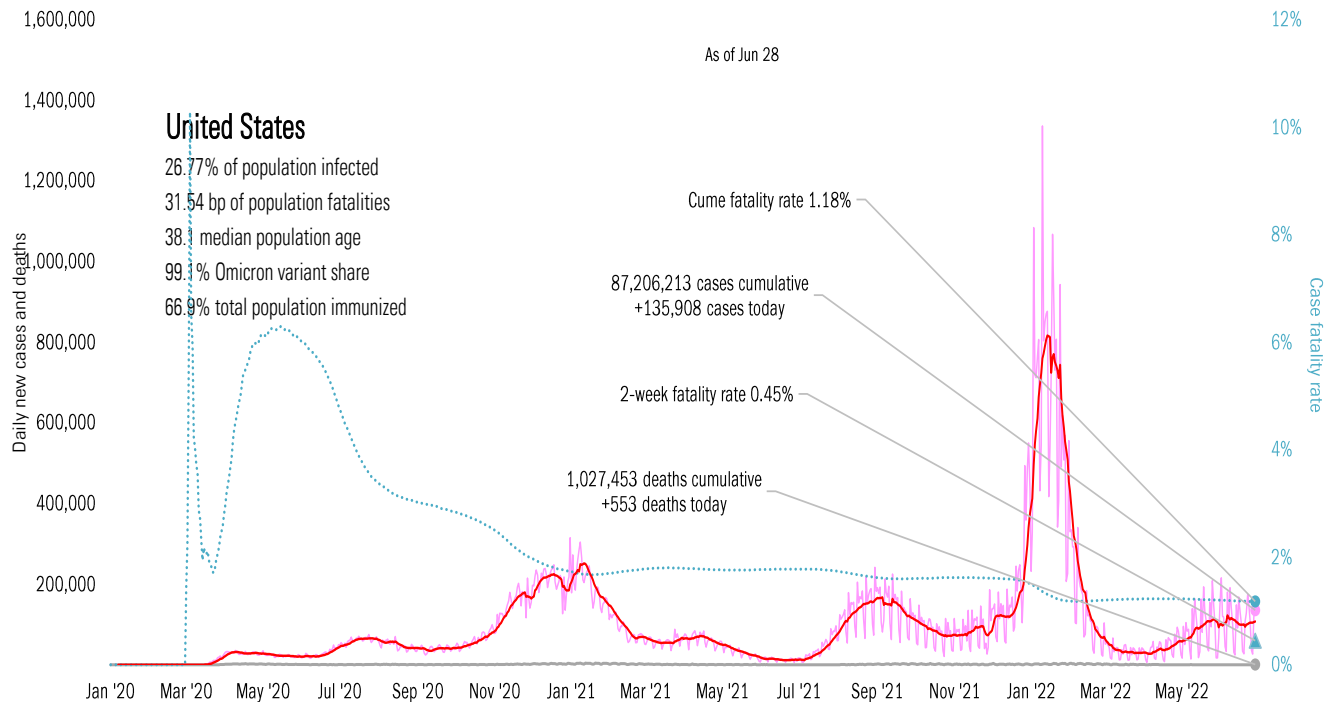
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use			
CA	50,753		MI	174		TX	402		CA	10,089,246		CA	92,207		TX	503,234		RI	86%		VT	84%	
MI	14,353		CA	76		NV	85		TX	7,165,583		TX	88,660		CA	448,711		MA	84%		RI	84%	
SC	11,014		FL	53		CA	557		FL	6,431,941		FL	75,710		FL	441,725		WA	84%		AL	82%	
TX	10,604		NY	45		AL	87		NY	5,596,149		NY	69,621		NY	270,040		GA	81%		TX	80%	
FL	8,272		VA	37		MA	92		IL	3,421,334		PA	45,657		GA	209,501		MN	80%		WA	79%	
IL	4,241		SC	26		NM	39		PA	2,988,758		CH	38,778		CH	199,491		MD	79%		MA	78%	
MD	3,649		IL	24		DE	16		NC	2,843,077		IL	38,559		PA	186,489		PA	79%		NM	77%	
NJ	3,629		NJ	16		SC	126		CH	2,831,228		GA	38,447		IL	168,045		MO	79%		NC	76%	
MN	3,351		MD	13		KY	68		GA	2,626,597		MI	36,918		MI	149,666		NH	79%		GA	76%	
VA	3,070		NM	13		UT	45		MI	2,606,431		NJ	34,023		KY	135,940		DE	78%		MI	76%	
112,936			477			1,517			46,600,344			558,580			2,712,842			All states 70%		67%			
All states 135,908			553			4,463			All states 87,206,213			1,027,453			4,928,697			All states 70%		67%			
Top ten 83%			86%			34%			Top ten 53%			55%			55%			Median 72%		71%			

Some states not reporting

## Five most improved US states

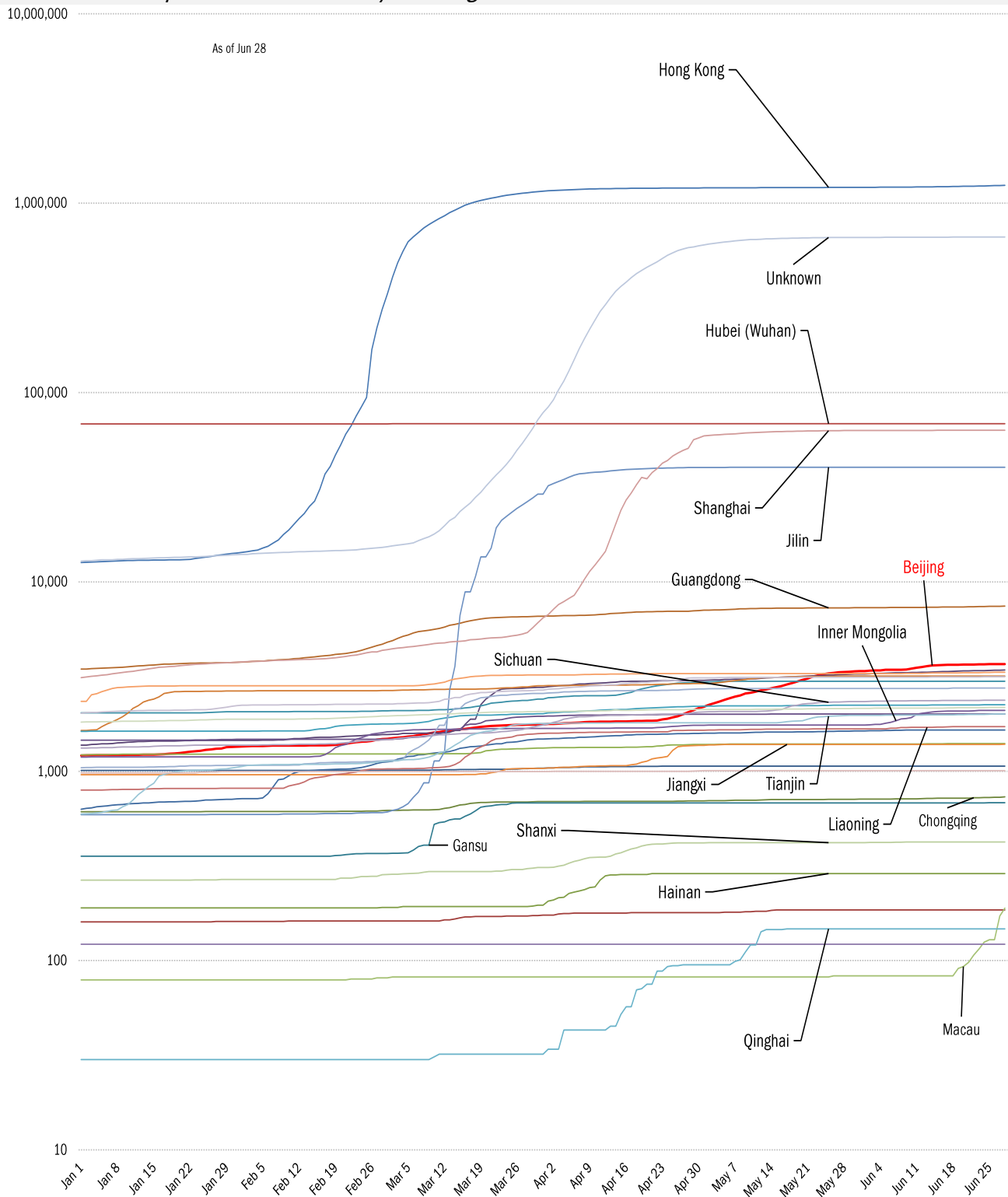
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NY	-8,549	FL	-26	FL	-111	AL	+10 bp
WA	-7,788	TX	-14	WI	-63	LA	+10 bp
IL	-5,663	WA	-13	NY	-59	AR	+10 bp
CO	-4,656	MO	-8	GA	-42	TN	+10 bp
IN	-4,139	LA	-2	OR	-37	IN	+10 bp



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

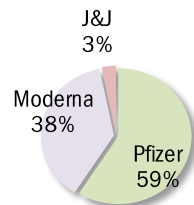
# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	609,306,461	+0.213 million	US	66.9%	78.1%
of which boosters	106,436,940	+0.054 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	267,294,476	80%	228,468,426	68%	+0.029 million
Age 12 to 17	17,887,639	71%	15,325,994	61%	+0.002 million
Age 18 to 64	179,463,763	88%	152,670,205	75%	+0.015 million
Age 65 and over	59,303,568	100%	51,846,769	95%	+0.006 million

France	78.4%	80.8%
Spain	86.7%	88.2%
Germany	75.5%	77.1%
Italy	79.4%	84.2%
Australia	84.0%	86.7%
Israel	66.1%	72.2%
Canada	83.3%	87.2%
Japan	81.2%	82.3%
Africa	18.4%	23.8%
India	65.2%	72.9%
Brazil	78.8%	86.2%
China	87.2%	89.5%

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

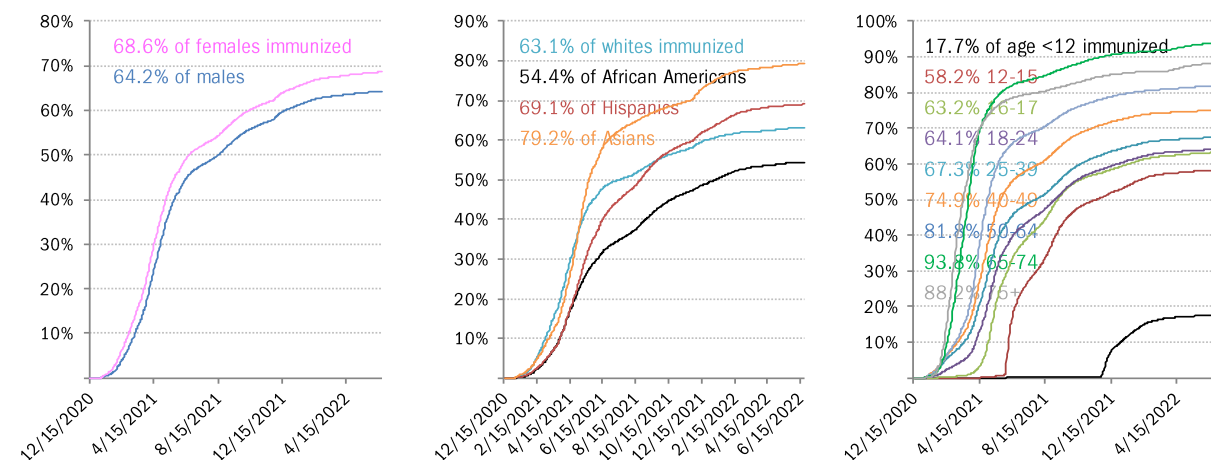
Middle

Worst

As of Jun 23

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
81.4%	62.2%	65.8%	66.1%	75.6%	76.3%	67.4%	90.9%	94.4%	89.4%	
73.1%	55.8%	57.3%	55.9%	69.7%	69.1%	60.6%	77.7%	81.9%	71.5%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
78.5%	76.0%	58.5%	77.6%	68.3%	62.5%	63.6%	85.9%	91.2%	95.0%	
70.2%	61.4%	51.3%	62.5%	62.4%	56.4%	58.8%	69.4%	76.4%	79.9%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.8%	72.5%	80.0%	70.8%	66.7%	66.6%	65.5%	86.5%	87.3%	95.0%	95.0%
72.8%	64.6%	70.8%	64.1%	56.6%	57.8%	58.1%	74.0%	76.4%	80.1%	83.7%
AZ	NM	KS	AR	TN	NC	SC	DC	DE		
74.1%	88.9%	73.0%	67.3%	62.6%	85.6%	68.3%	95.0%	84.0%		
62.3%	71.9%	62.5%	55.0%	55.0%	62.4%	57.6%	76.2%	70.0%		
OK	LA	MS	AL	GA						
71.7%	61.5%	60.0%	63.2%	66.0%						
57.9%	53.9%	52.2%	51.6%	55.3%						
TX										
74.2%										
62.2%										
HI										
88.1%										
78.9%										
WI										
72.3%										
66.1%										
ME										
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FL										
80.0%										
67.6%										
PR										
95.0%										
83.6%										

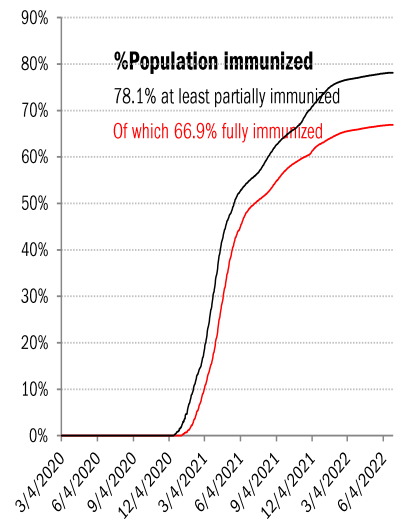
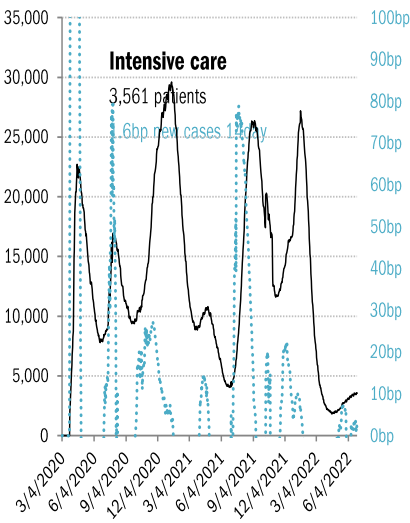
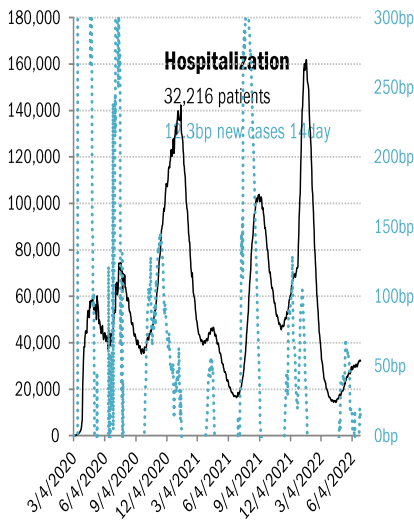
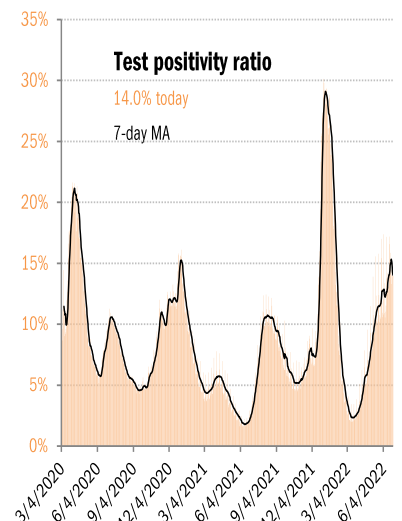
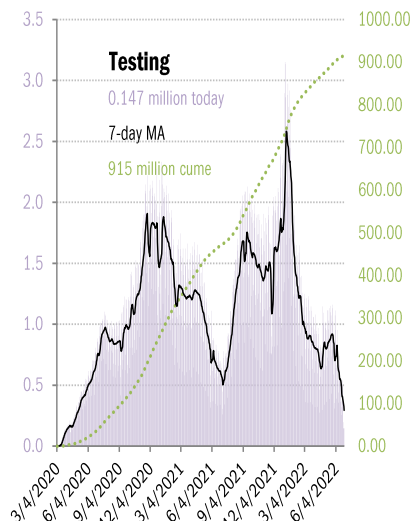
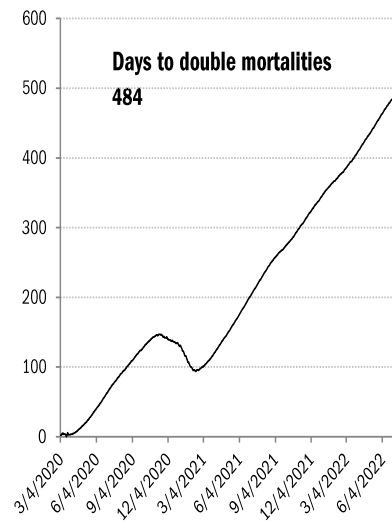
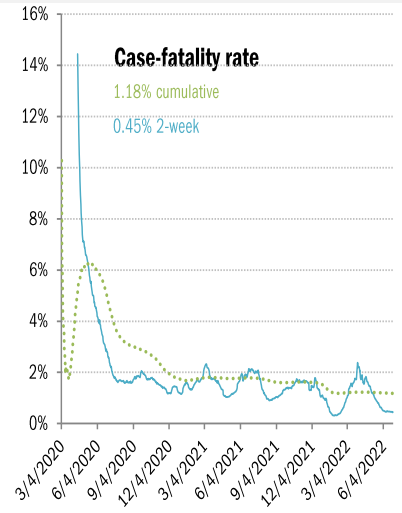
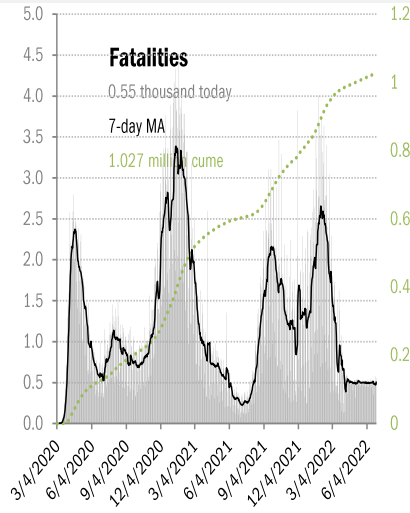
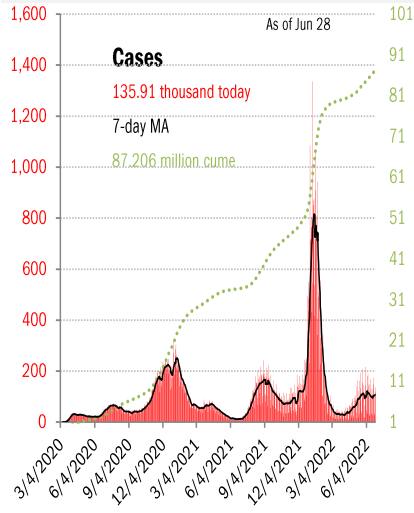
## The demographics of US vaccination



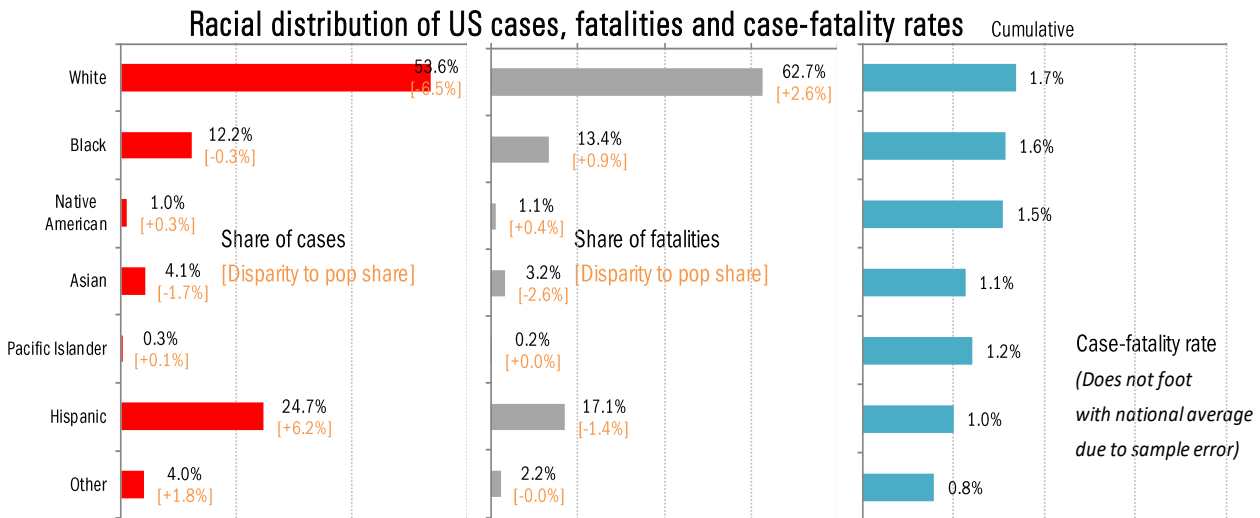
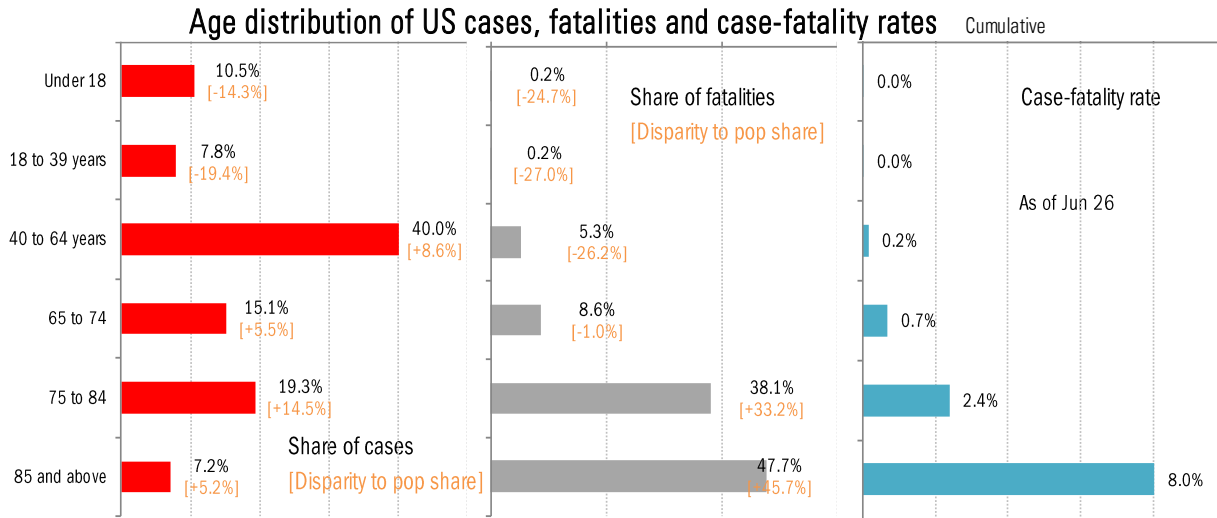
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

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

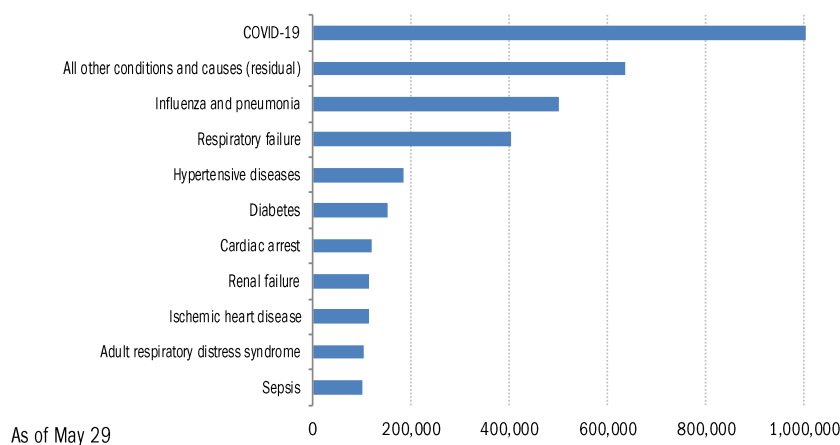


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### Comorbidities

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

Comorbidity data has been paused for the month of June by the CDC while making "system upgrades."

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations



## Recommended reading

[Alarm in Beijing after announcement zero-Covid policy may last five years](#)

Helen Davidson  
*The Guardian*  
June 27, 2022

[China Cuts Travel Quarantine in Biggest Covid Zero Shift Yet](#)

*Bloomberg*  
June 28, 2022

[Audit Finds Half of Pandemic Unemployment Assistance Benefits in Illinois Were Stolen](#)

Matt Weidinger  
*AEI Ideas*  
June 23, 2022

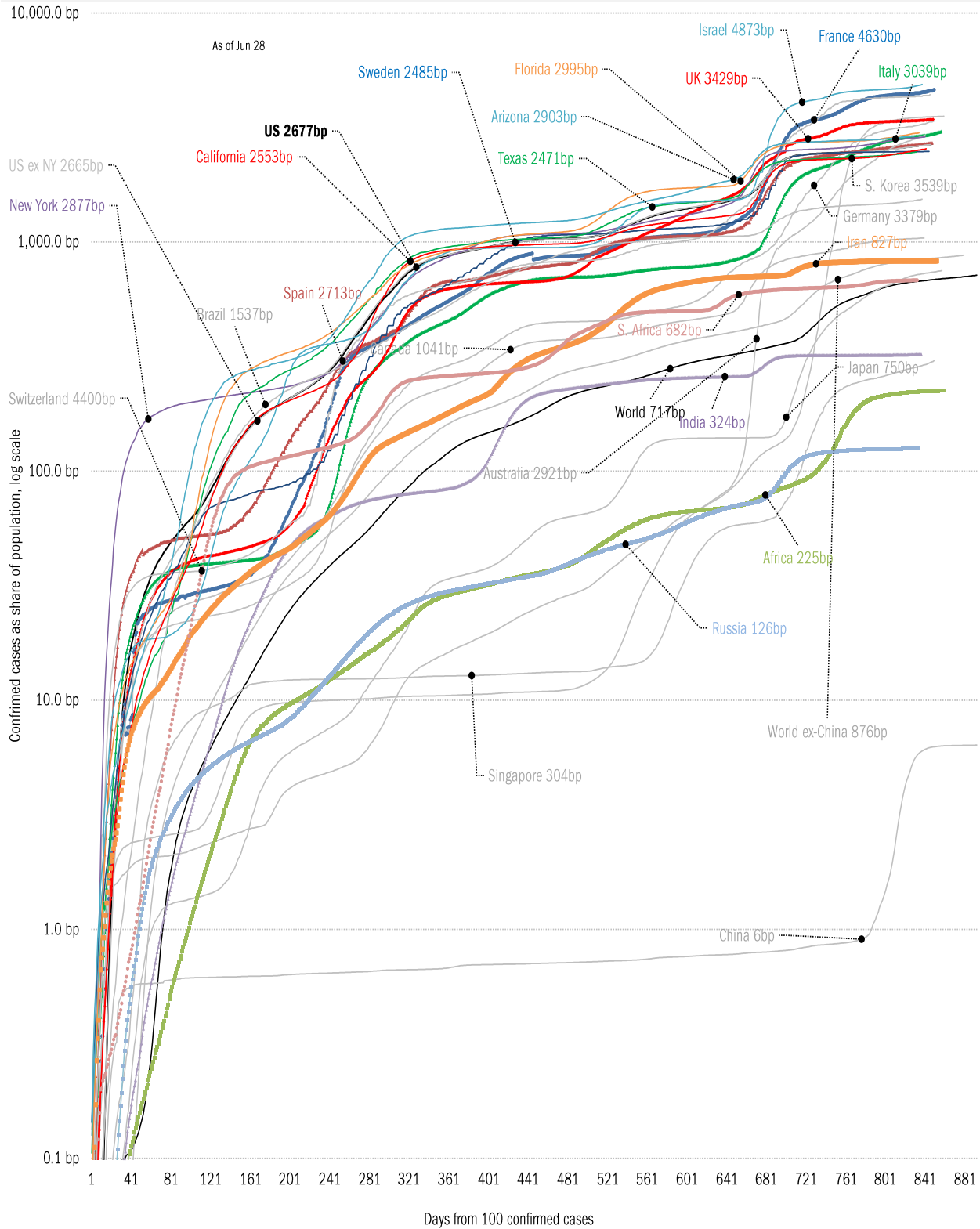
## Meme of the day



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

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

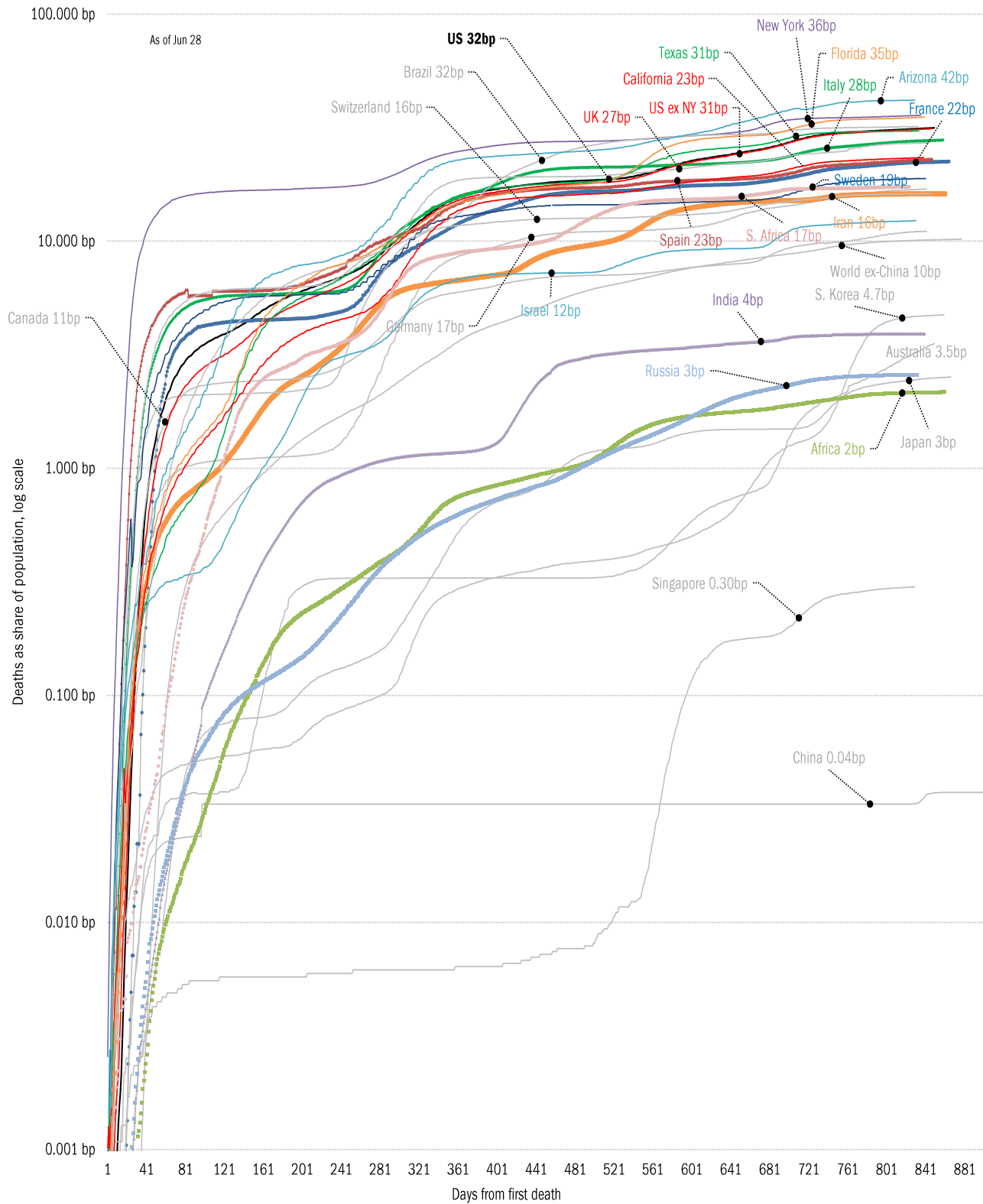
*Share of infected population from first day with 100 confirmed cases, log scale*



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

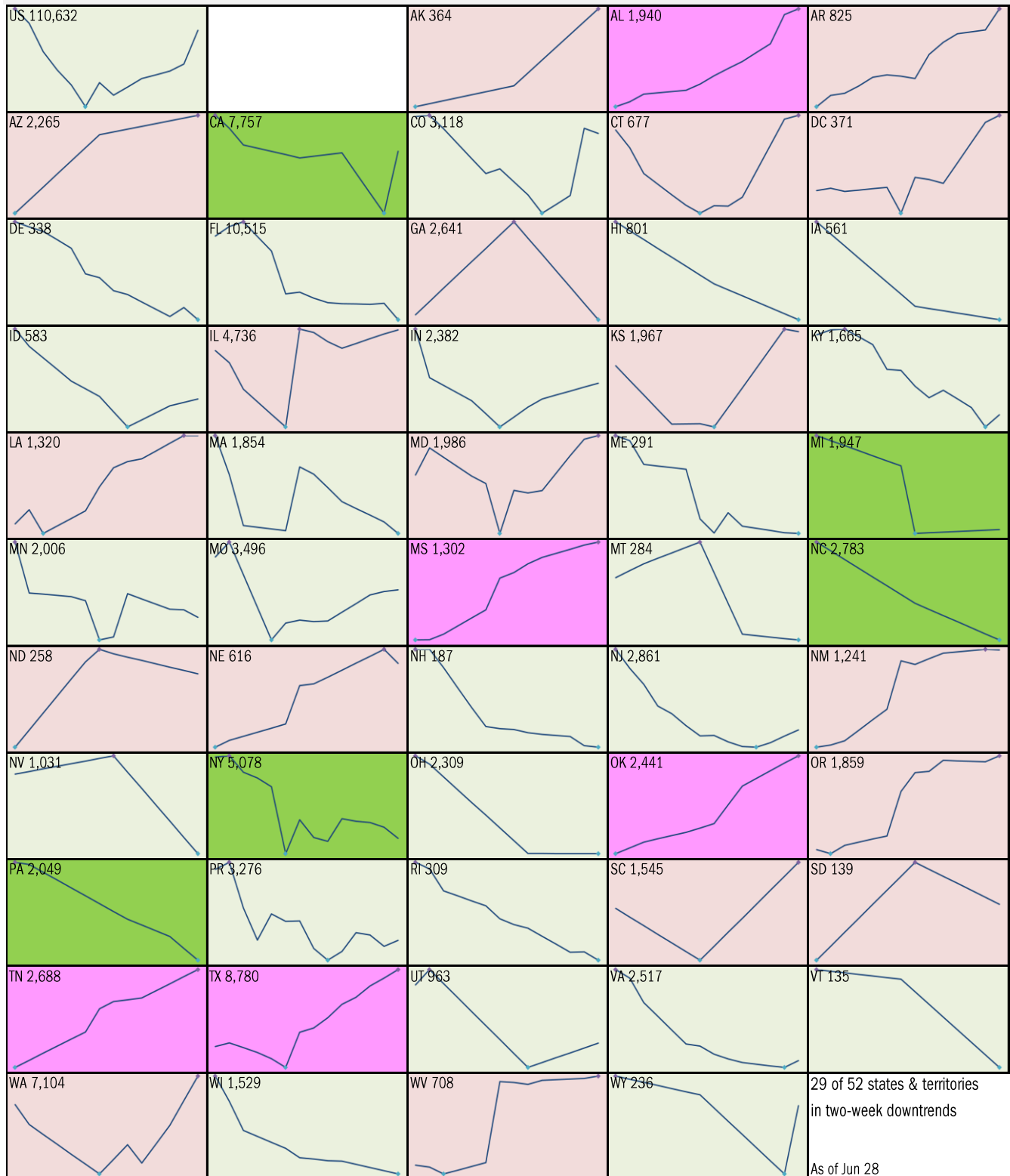


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

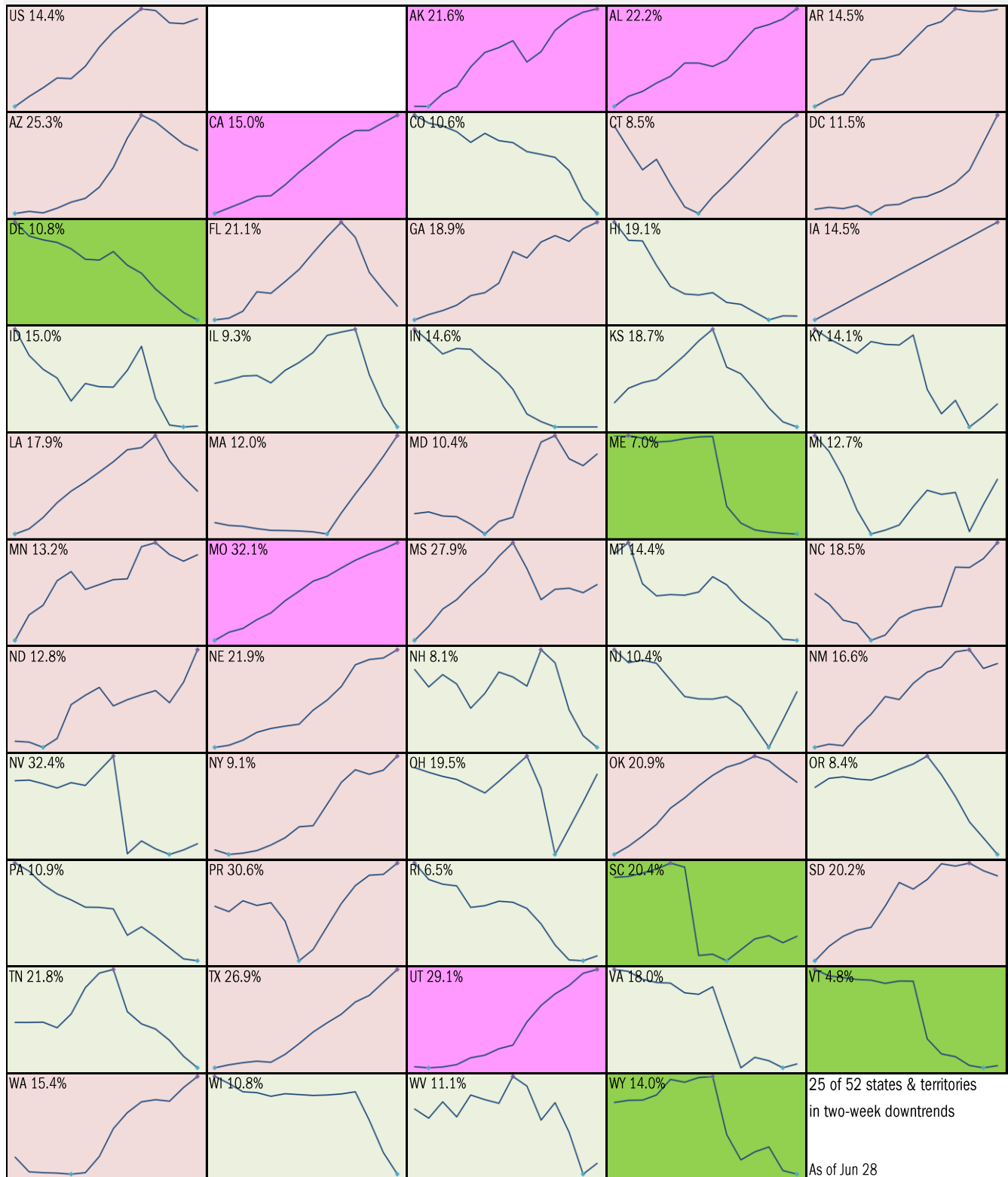


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

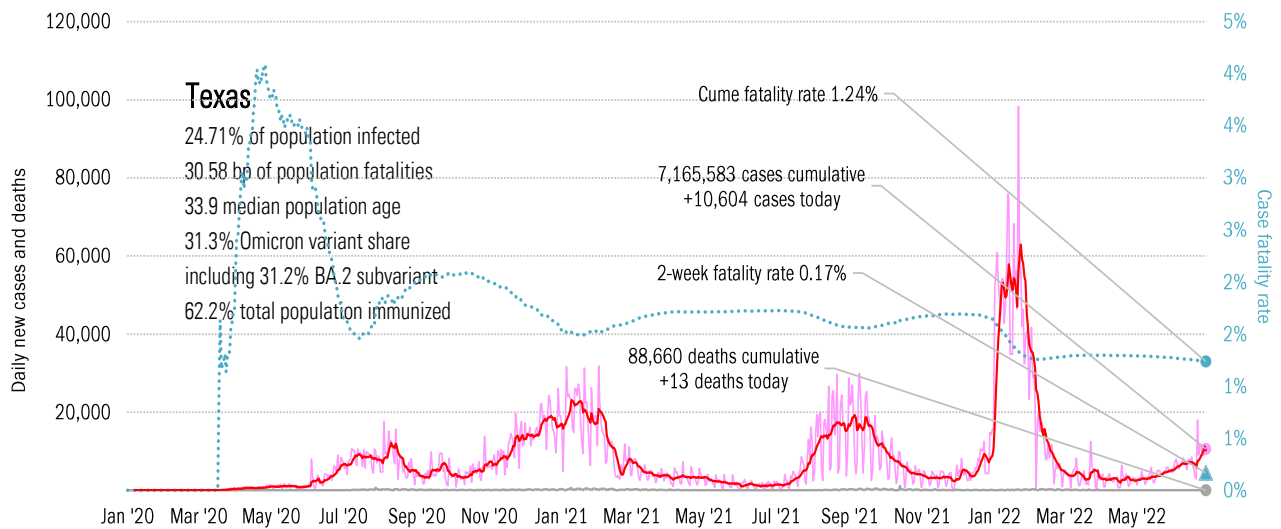
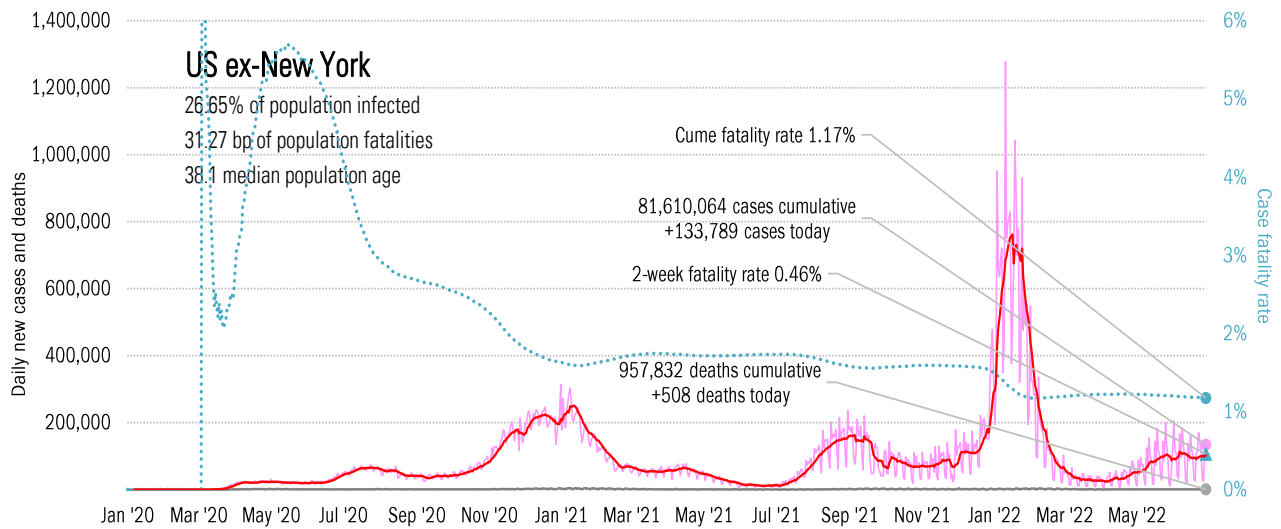
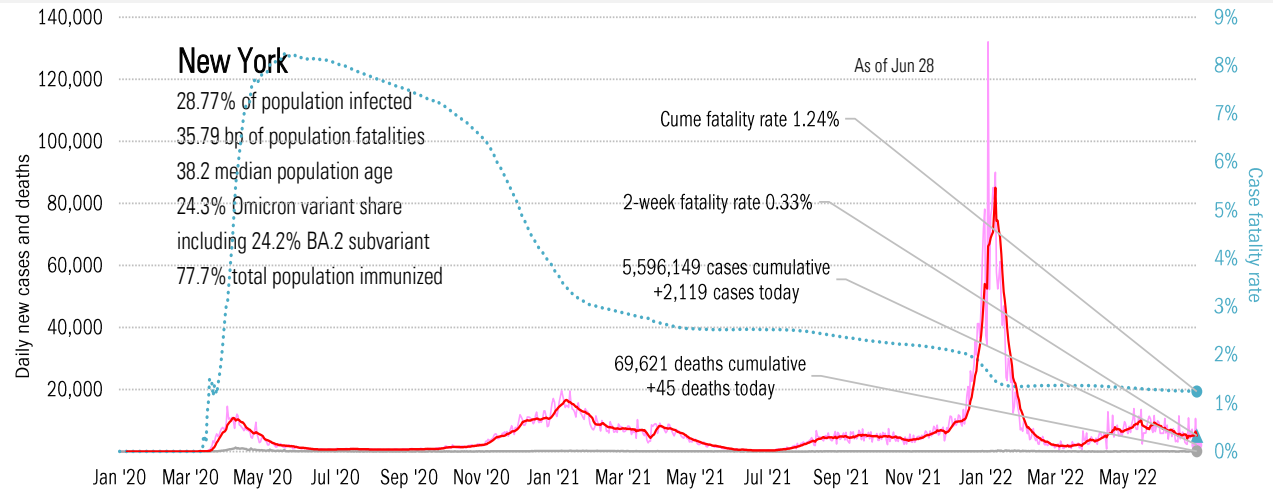
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

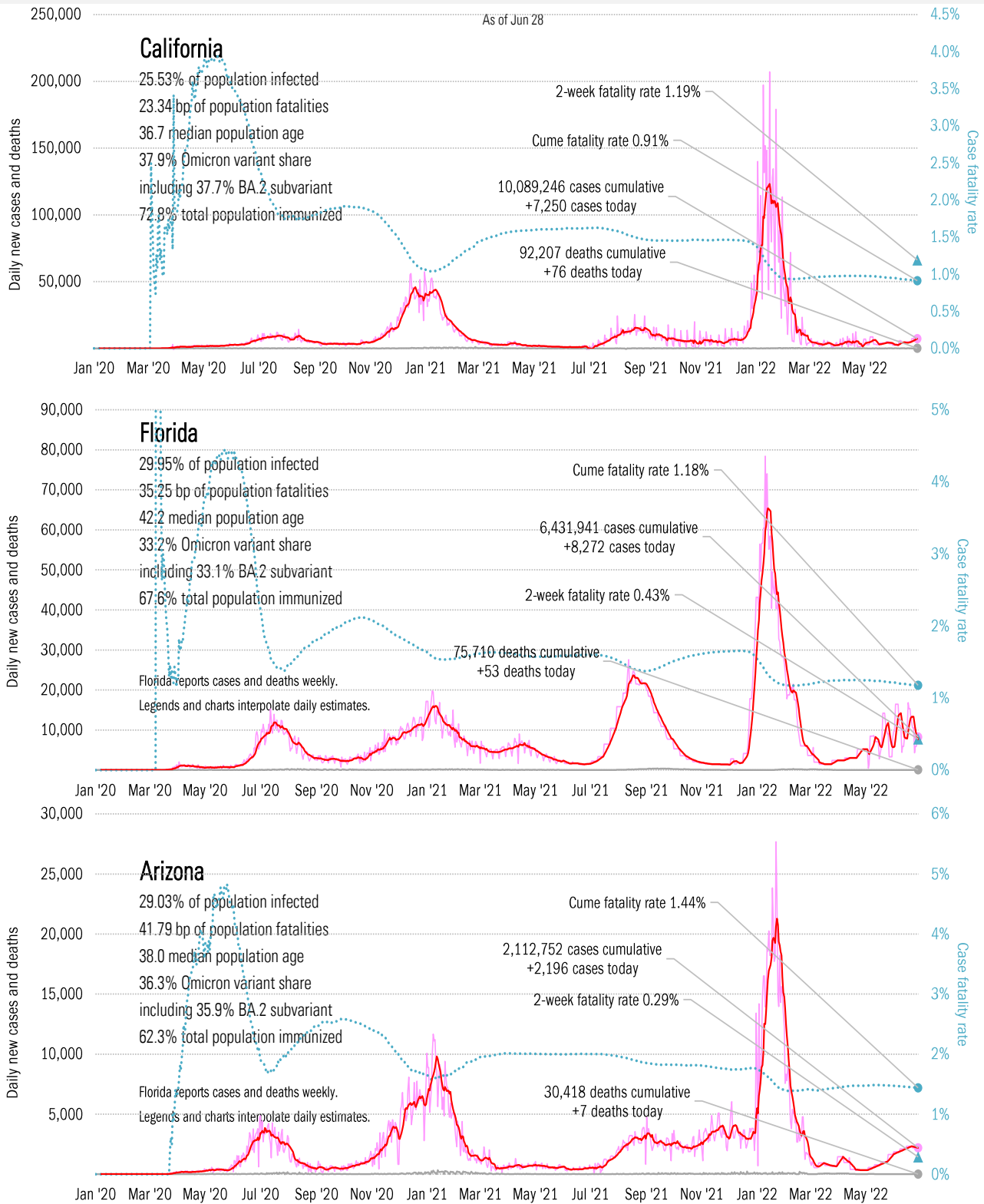
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

Cases: 7-day average and daily Deaths: Daily

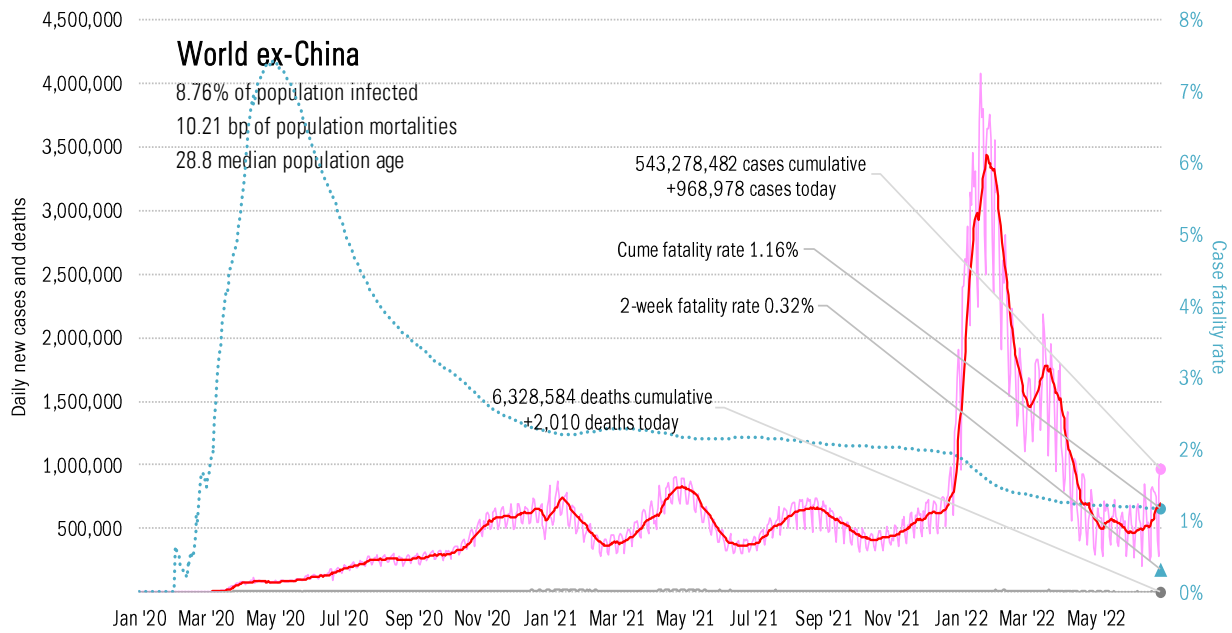
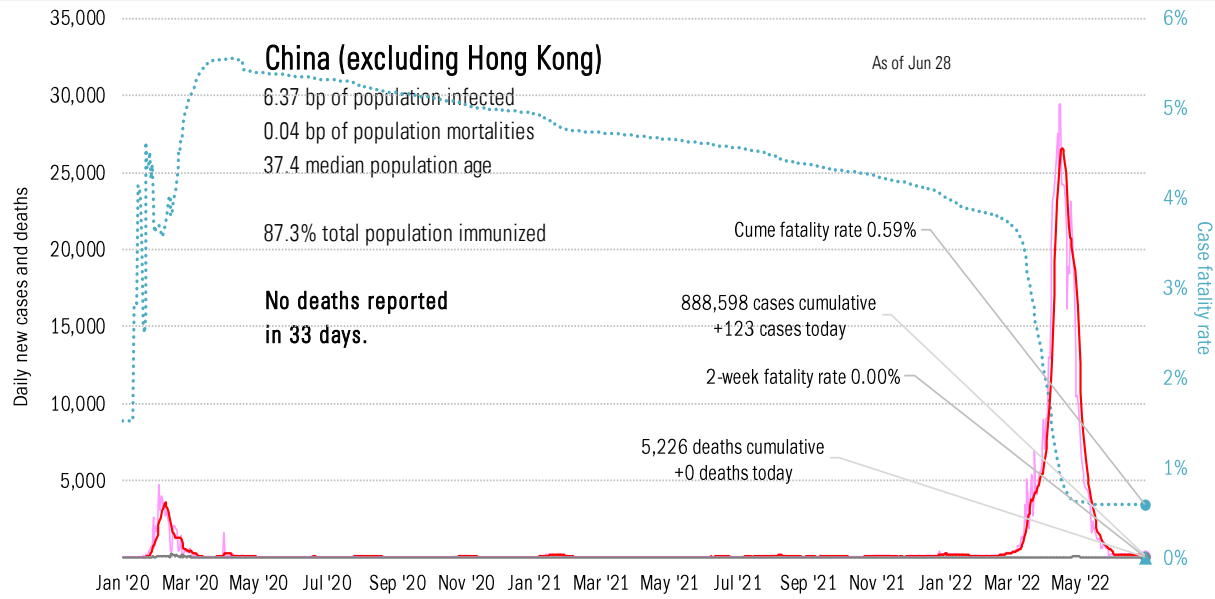


Source: [Johns Hopkins](#), TrendMacro calculations



# Patient zero... and then everyone else

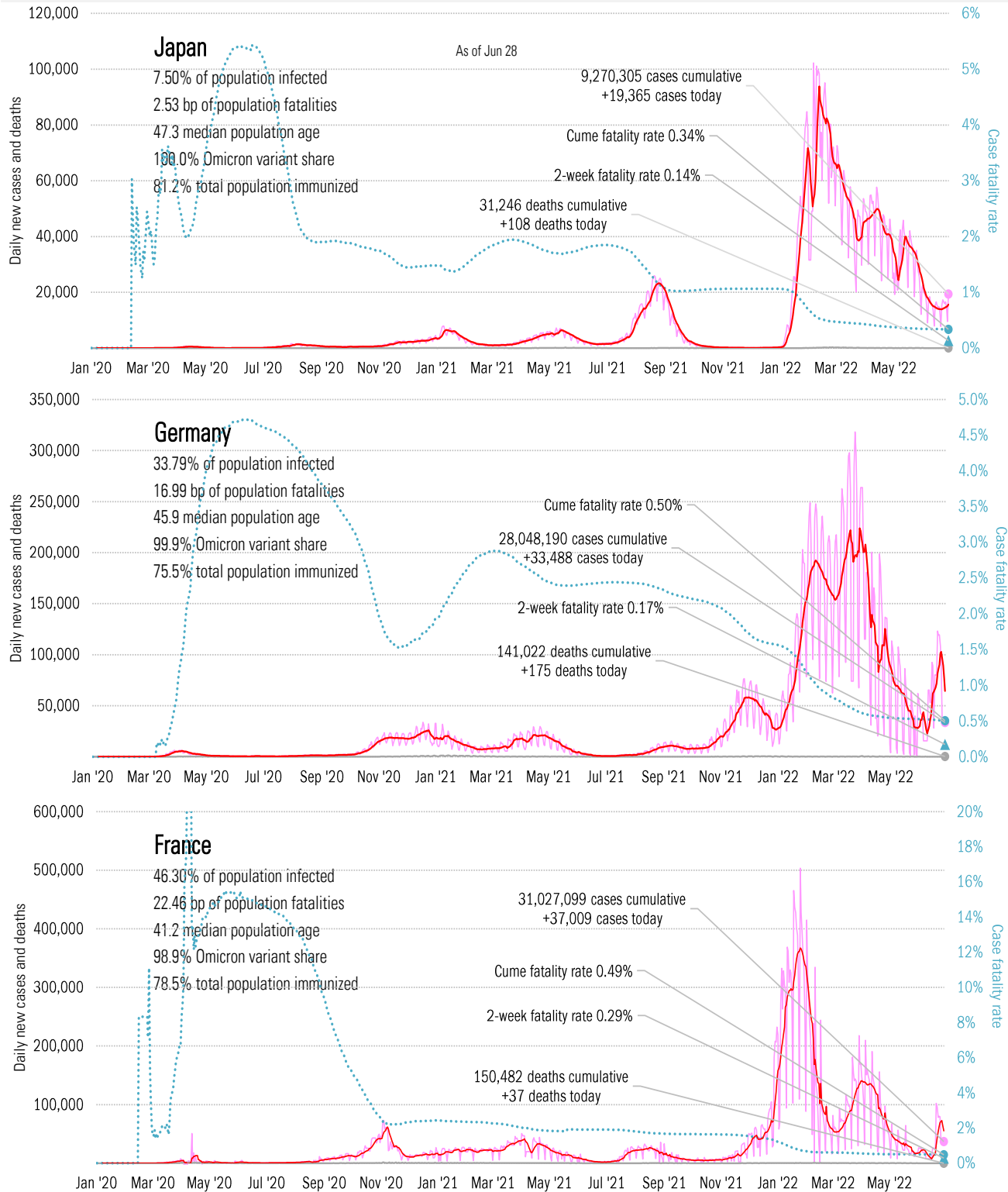
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

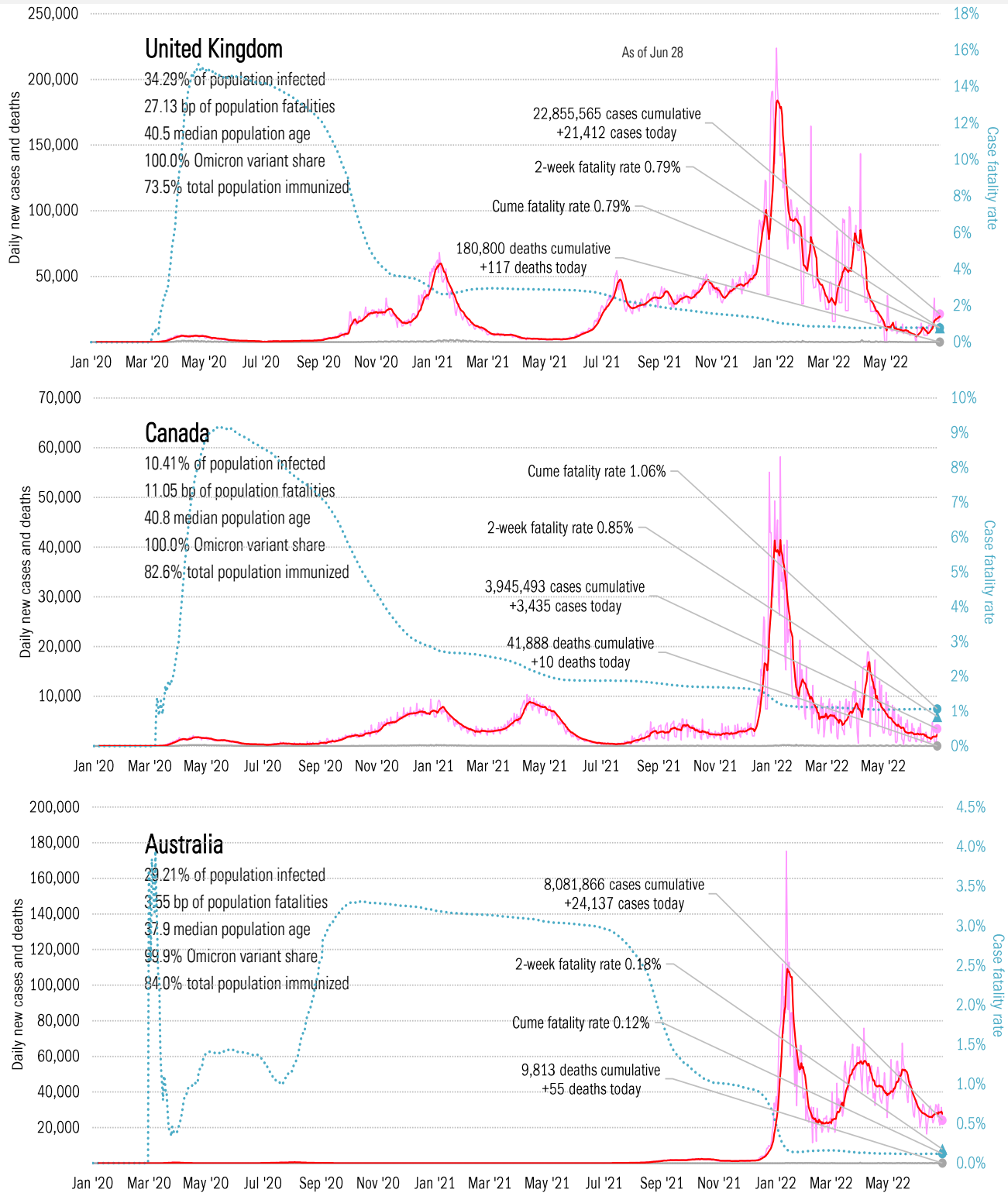
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

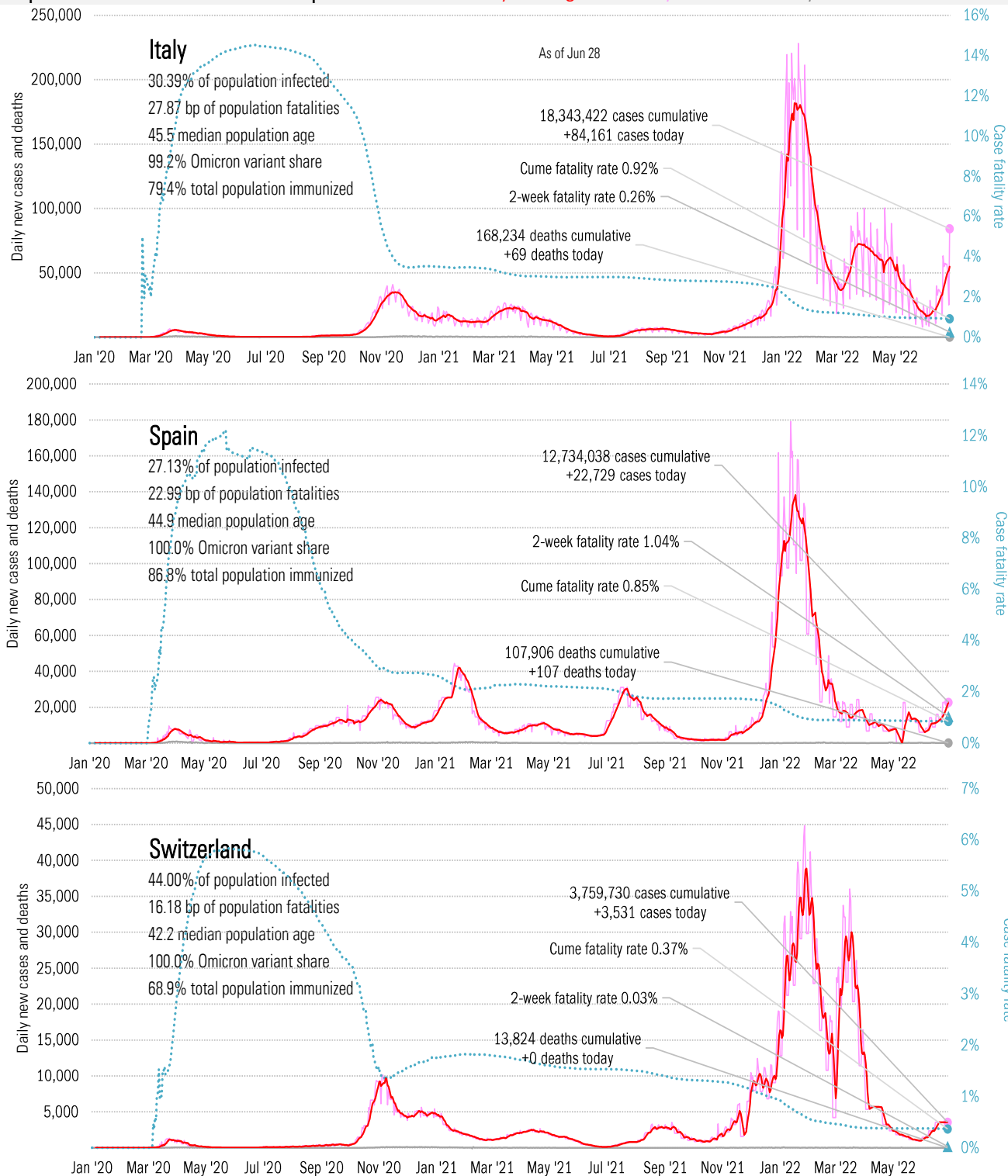
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

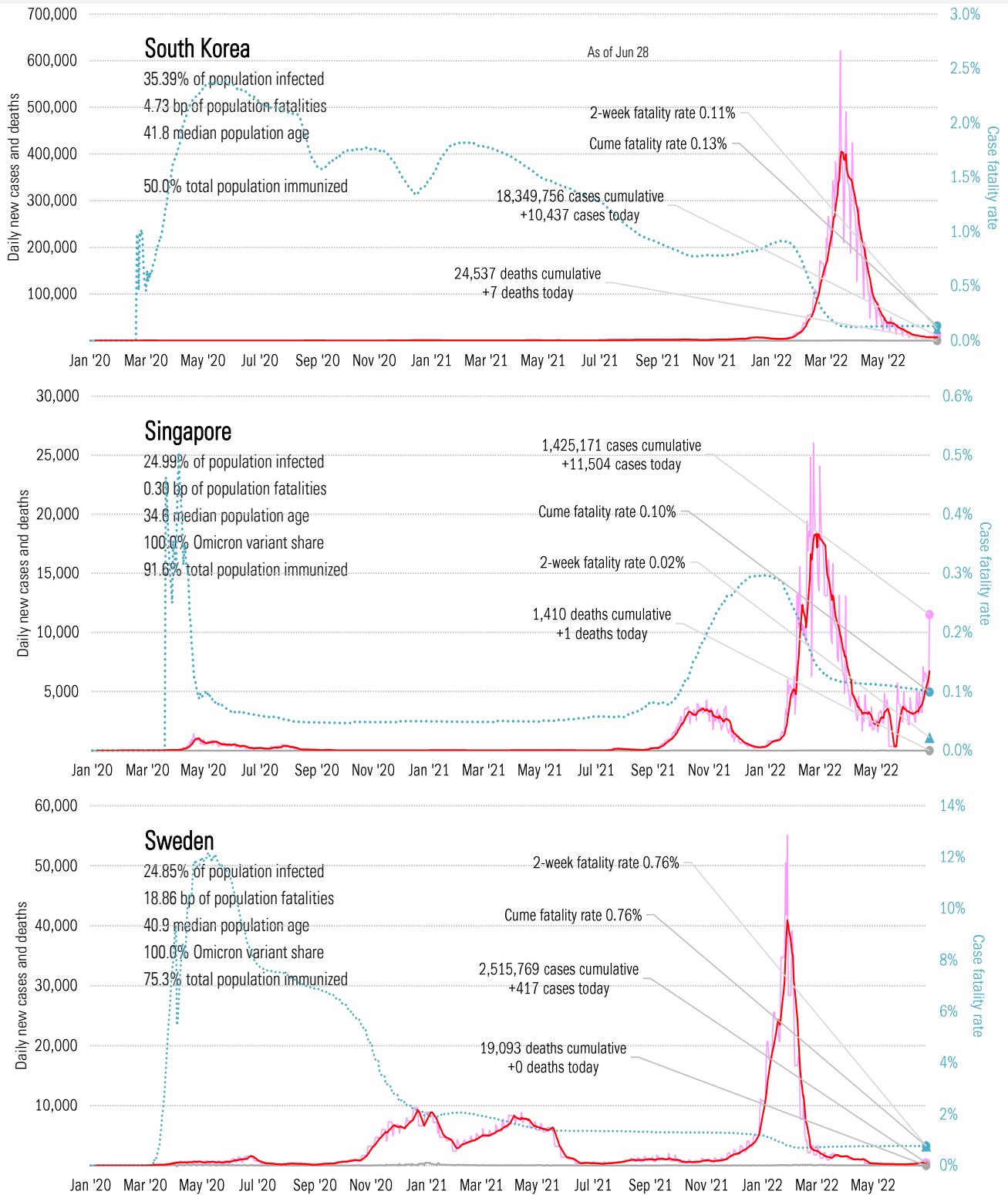
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

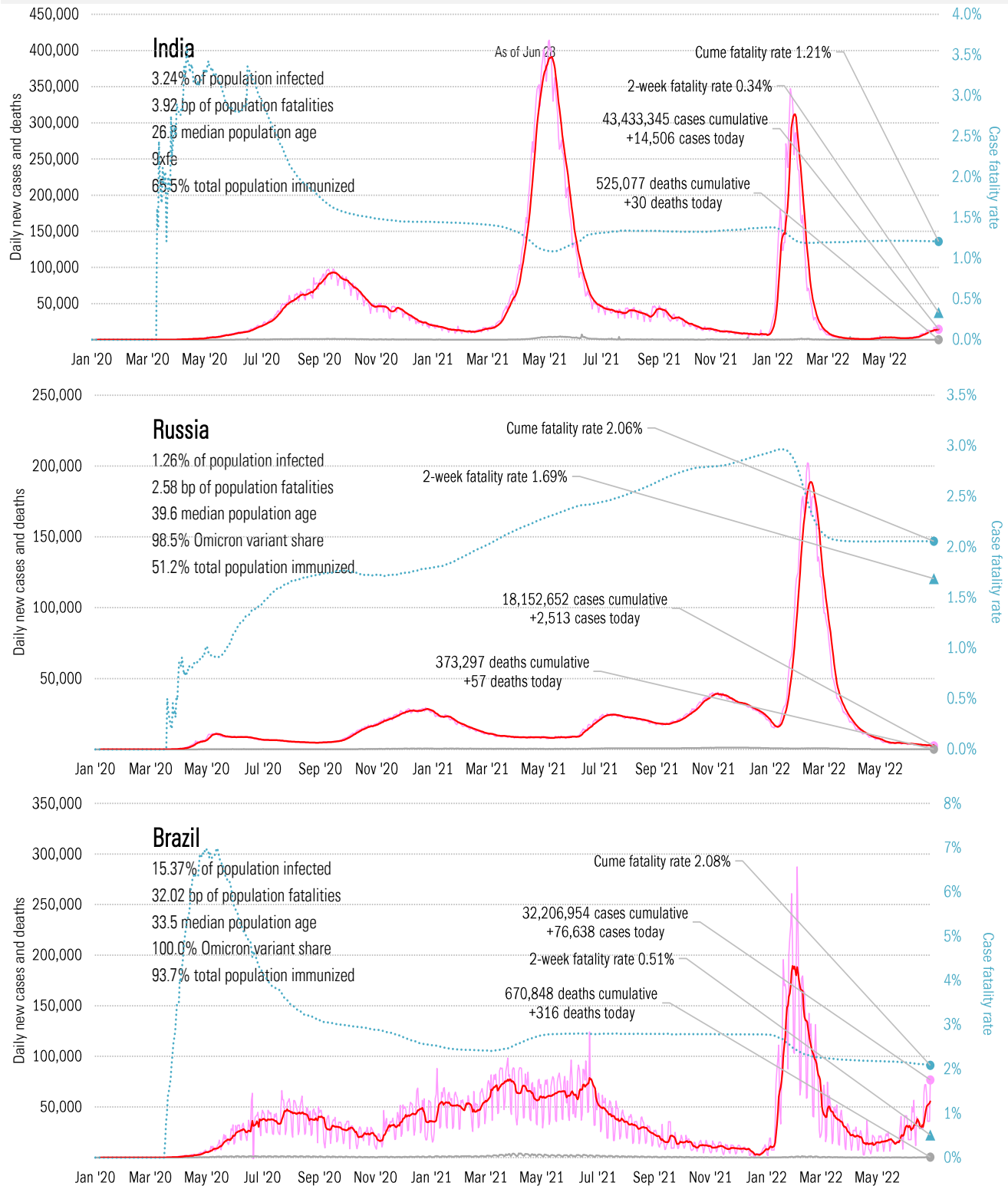
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

Cases: 7-day average and daily Deaths: Daily

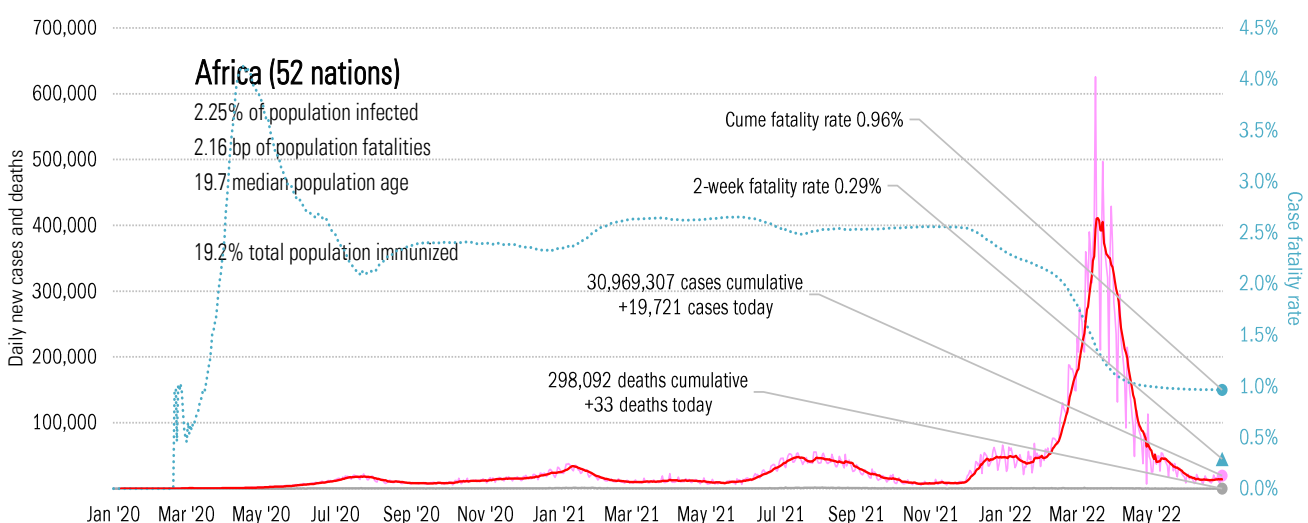
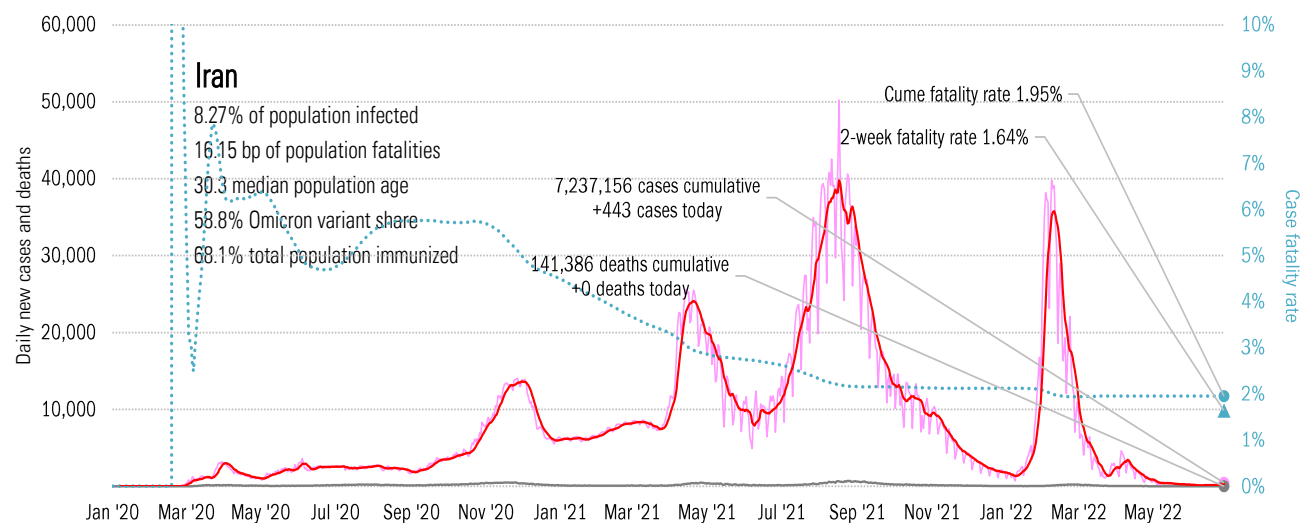
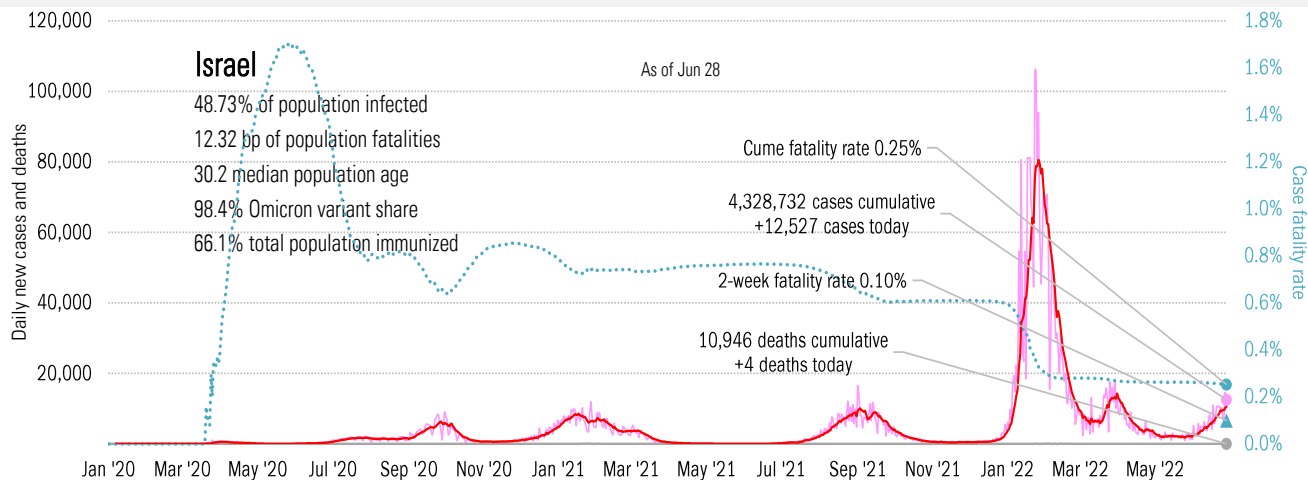


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the Middle East and Africa

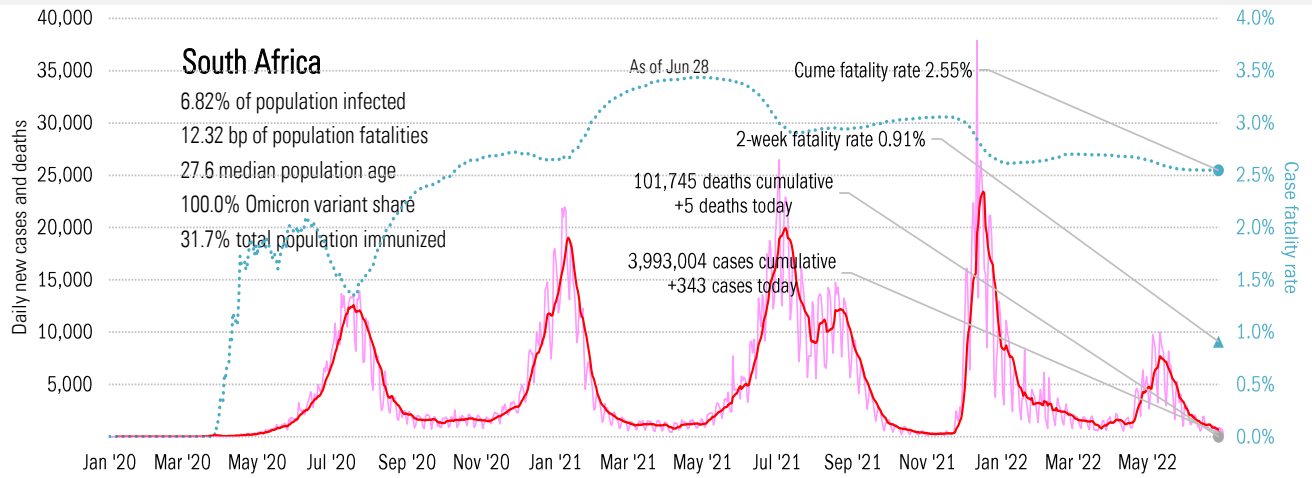
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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