

## Data Insights: Covid-2019 Monitor

Sunday, July 24, 2022

### The global scorecard

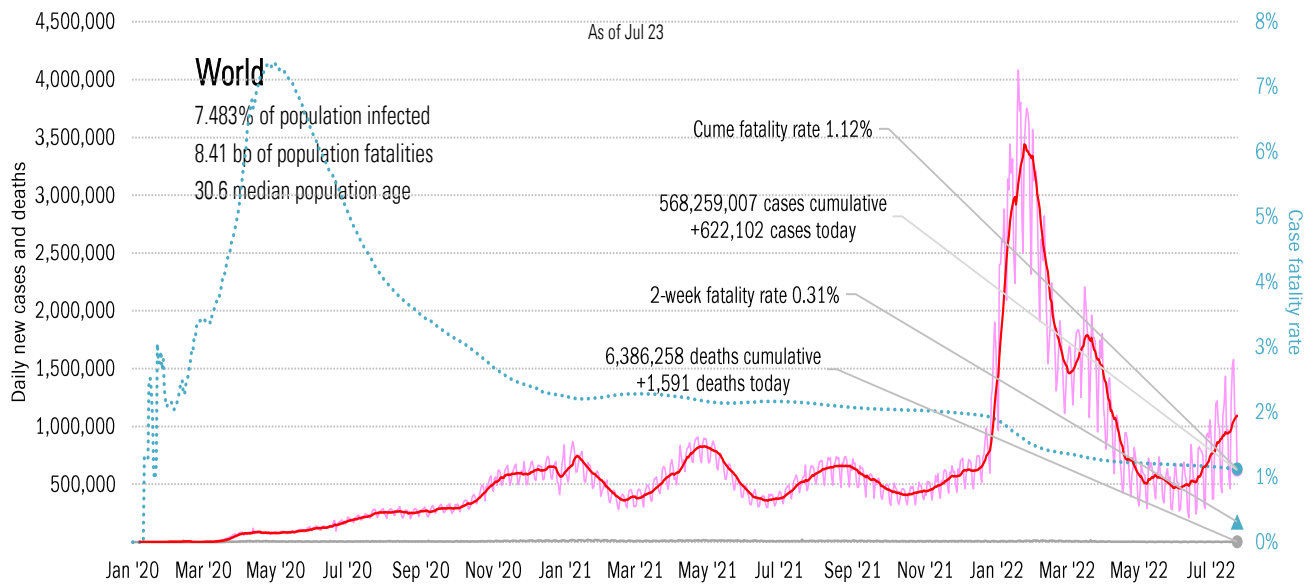
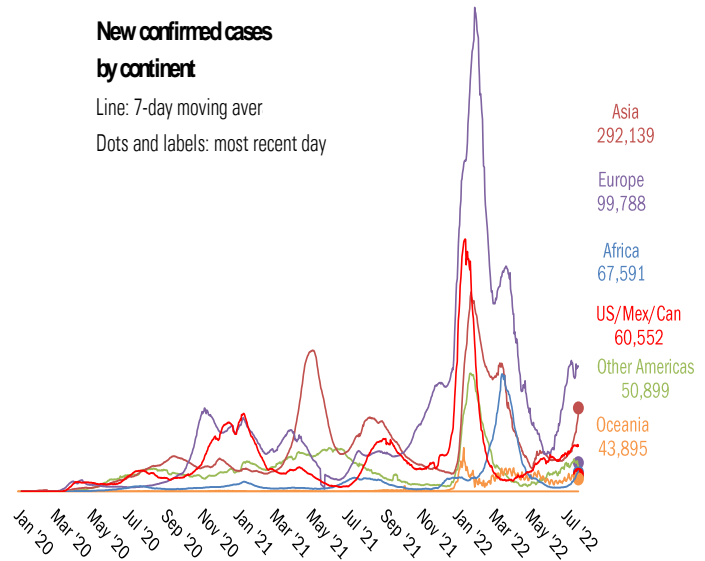
Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
United States	221,373	United States	572
Japan	200,870	Costa Rica	145
Italy	69,174	Italy	116
Korea, South	65,433	Mexico	105
Australia	38,046	Japan	75
Costa Rica	28,873	Israel	66
Mexico	28,539	Paraguay	64
Taiwan*	22,568	Taiwan*	53
India	20,279	Chile	40
Paraguay	12,240	Australia	38
707,395		1,274	
World	622,102	World	1,591
Top ten	114%	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

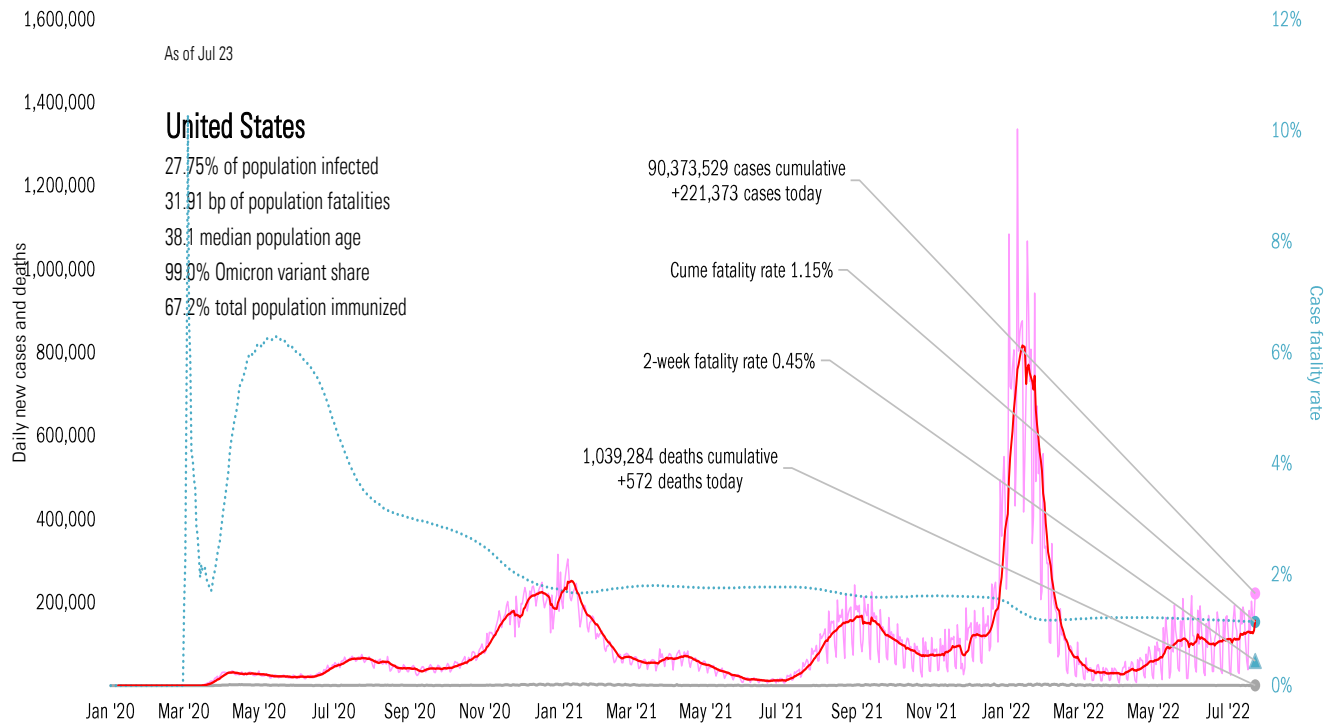
## The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use			
CA	56,207		FL	62		GA	296		CA	10,580,256		CA	93,209		TX	517,231		RI	90%		RI	87%	
CH	26,610		TX	30		FL	772		TX	7,461,320		TX	89,106		CA	466,001		MA	87%		AK	85%	
MO	11,648		NJ	11		TX	678		FL	6,703,529		FL	77,101		FL	459,475		MN	87%		TX	85%	
MA	11,525		AZ	9		PA	244		NY	5,770,401		NY	70,096		NY	278,640		WA	84%		NM	85%	
TX	10,279		AR	7		CA	743		IL	3,528,282		PA	46,047		GA	214,448		GA	84%		WA	83%	
MN	9,500		FR	5		CH	251		PA	3,058,316		CH	38,981		CH	204,129		DE	84%		AL	83%	
KS	7,444		ME	1		OK	105		NC	2,949,198		GA	38,933		PA	190,943		MO	83%		MA	82%	
WA	5,934		AK	0		NY	405		CH	2,918,366		IL	38,812		IL	173,434		MD	83%		MN	82%	
IL	5,276		AL	0		IN	124		GA	2,721,391		MI	37,291		MI	152,535		WV	82%		NC	82%	
FL	4,647		AS	0		WV	68		MI	2,652,659		NJ	34,217		KY	138,125		MI	82%		GA	81%	
149,070			126			3,686			48,343,718			563,793			2,794,961								
All states 221,373			572			6,710			All states 90,373,529			1,039,284			5,073,350			All states 70%		67%			
Top ten 67%			22%			55%			Top ten 53%			55%			55%			Median 77%		74%			

Some states not reporting

## Five most improved US states

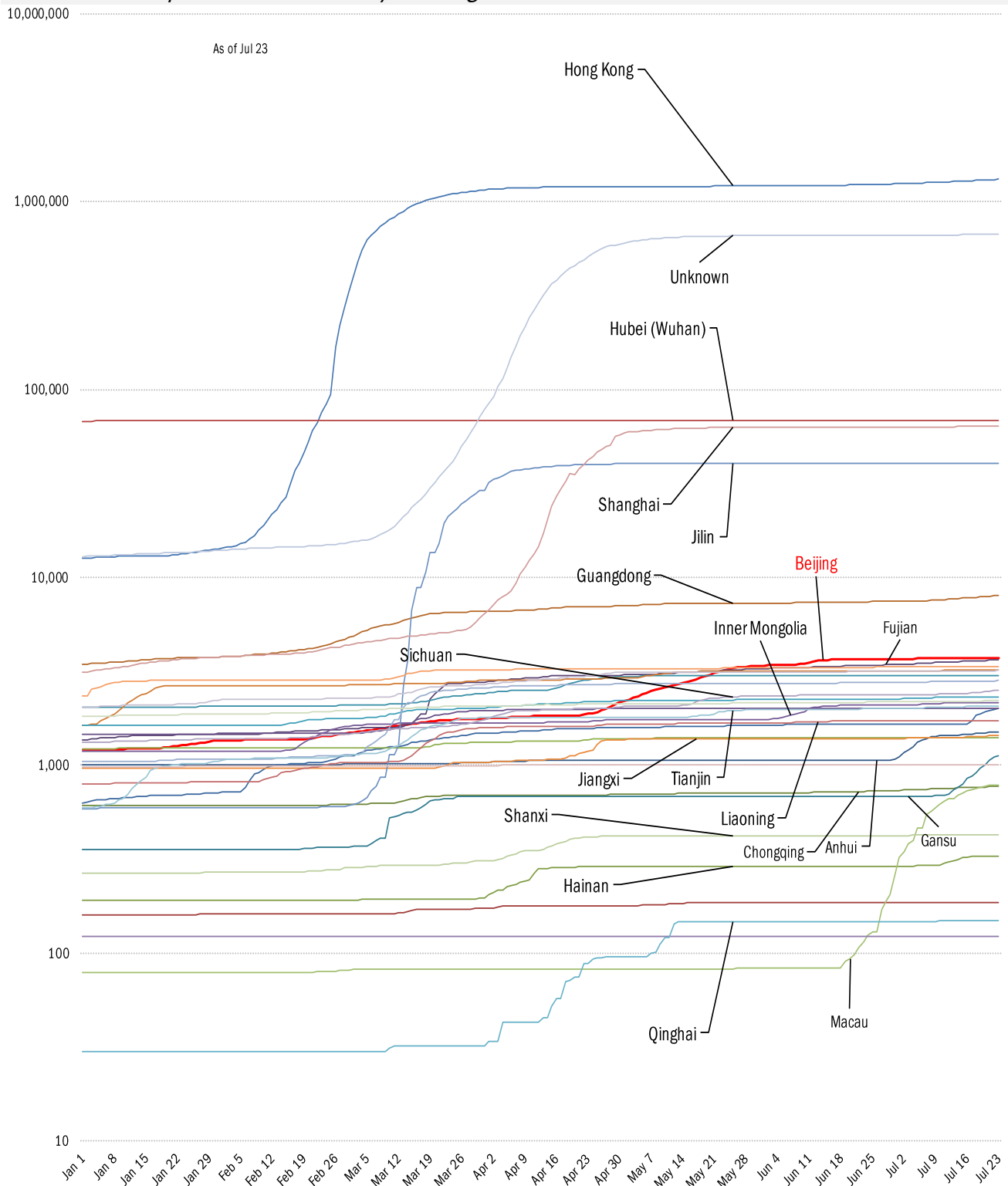
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
NY	-8,810	CA	-133	MN	-51
TX	-3,264	MO	-53	AL	-40
AR	-566	IN	-31	VA	-37
CT	-395	OR	-26	NV	-27
NJ	-309	NY	-23	MI	-24



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"*

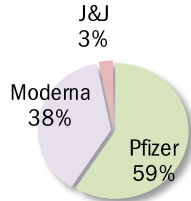


Source: [Johns Hopkins](#), TrendMacro calculations

# 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%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.6%	80.8%
Total population	269,233,447	81%	229,268,362	69%	+0.041 million	Spain	85.5%	86.9%
Age 12 to 17	18,017,753	71%	15,409,473	61%	+0.003 million	Germany	76.0%	77.6%
Age 18 to 64	180,243,678	89%	152,968,762	75%	+0.022 million	Italy	81.0%	85.8%
Age 65 and over	59,543,060	100%	52,083,438	95%	+0.009 million	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%



State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

\*Immunity\* = two doses

AK	71.0%
	62.9%

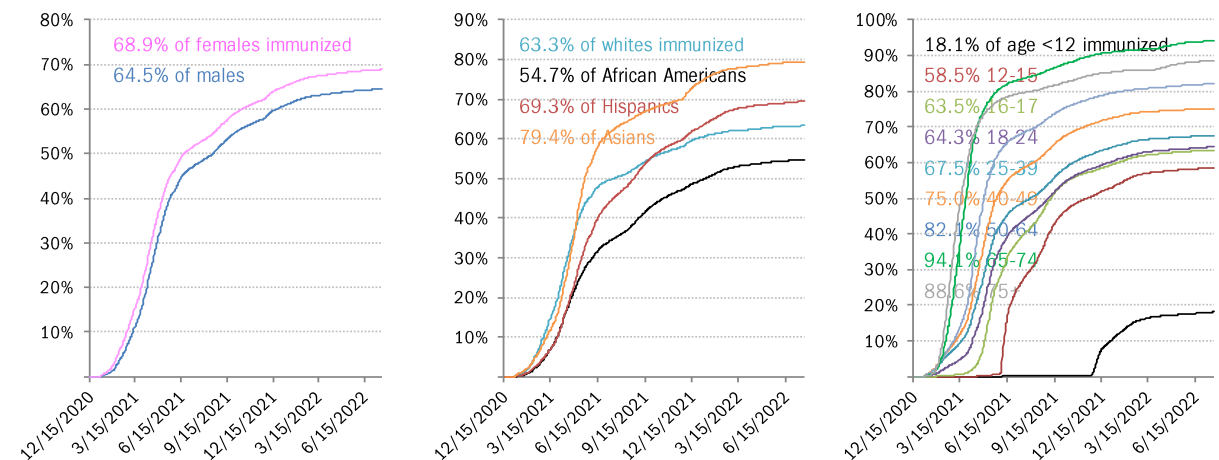
WI	72.7%
	66.3%

As of Jul 21

ME	92.4%
	80.8%

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					FL		PR
			74.8%					80.4%		95.0%
			62.5%					67.8%		83.7%

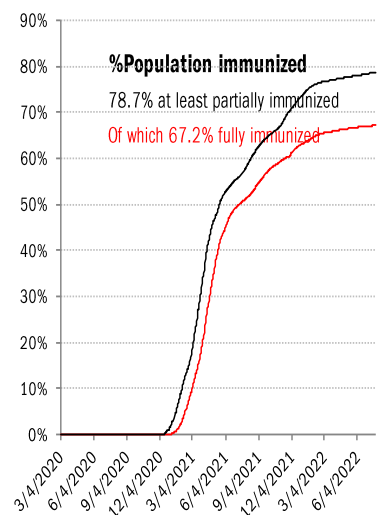
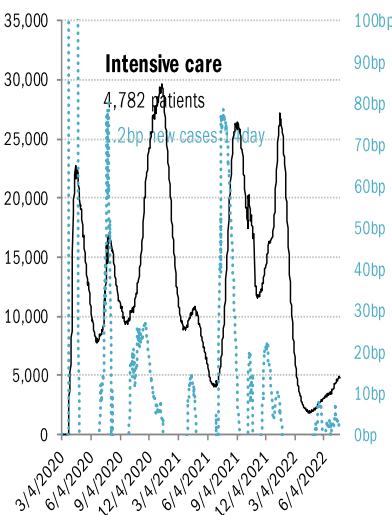
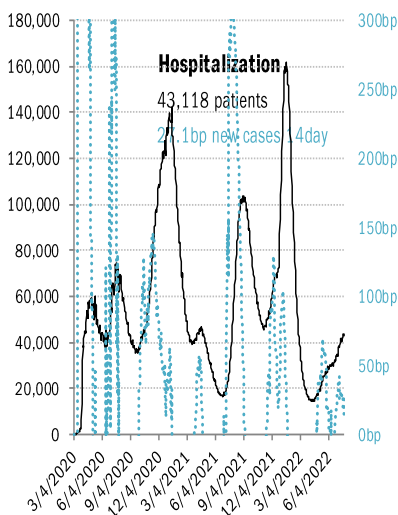
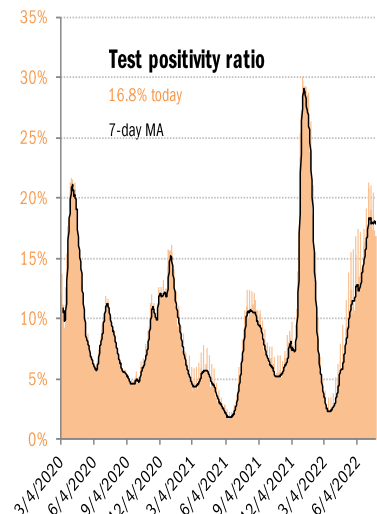
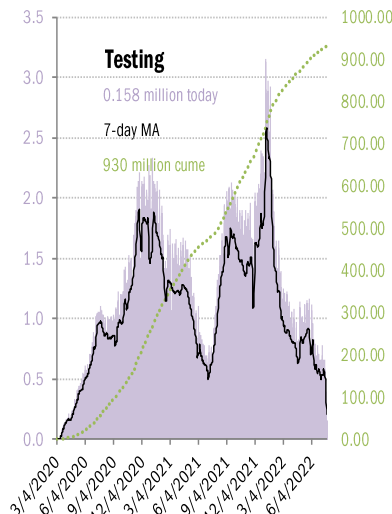
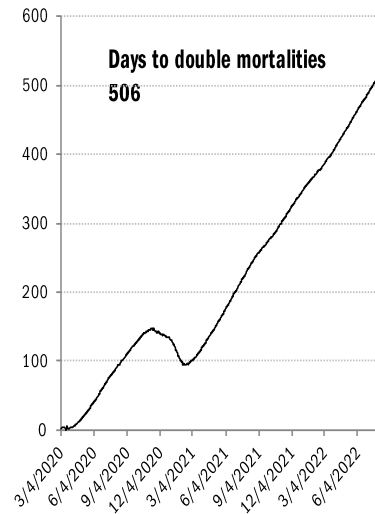
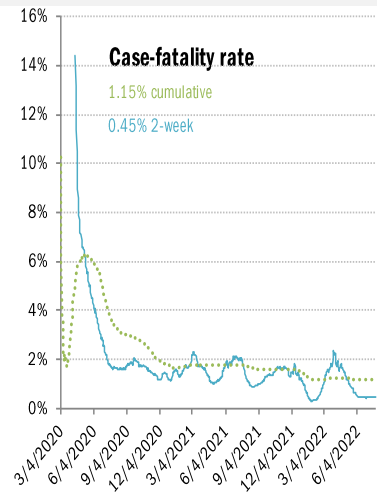
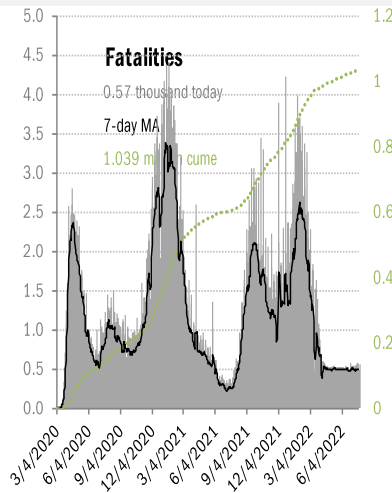
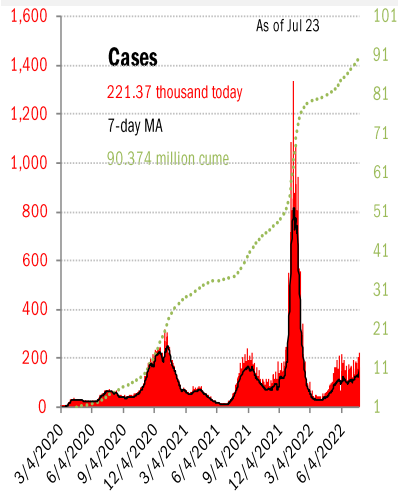
## The demographics of US vaccination



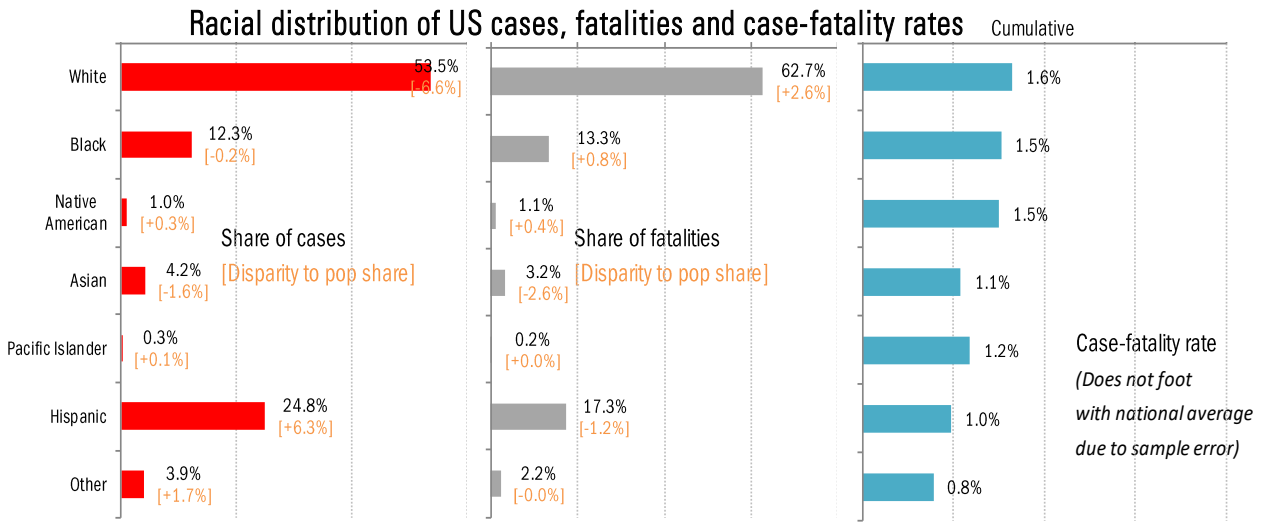
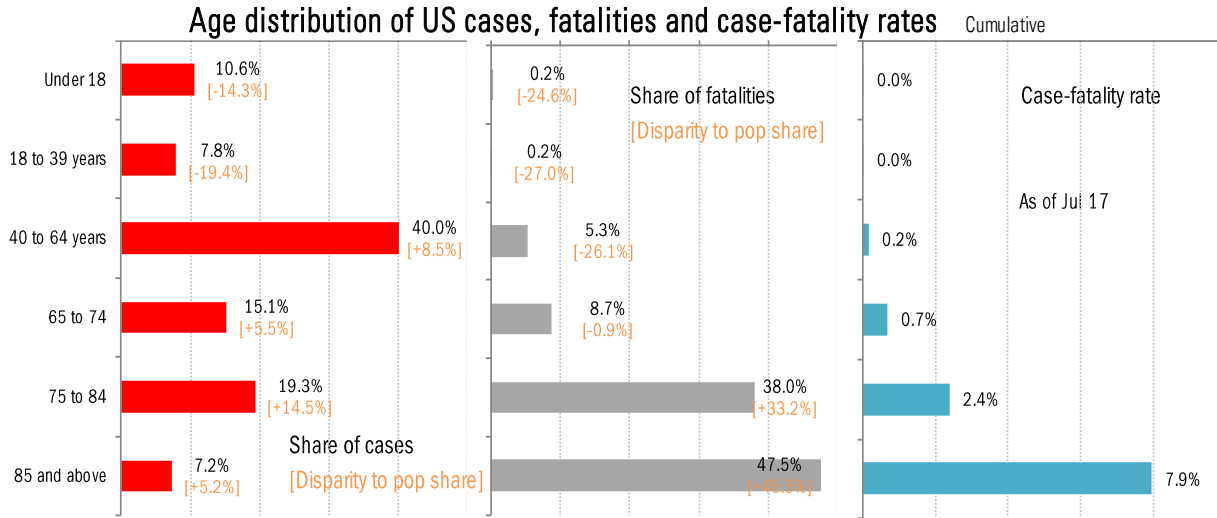
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

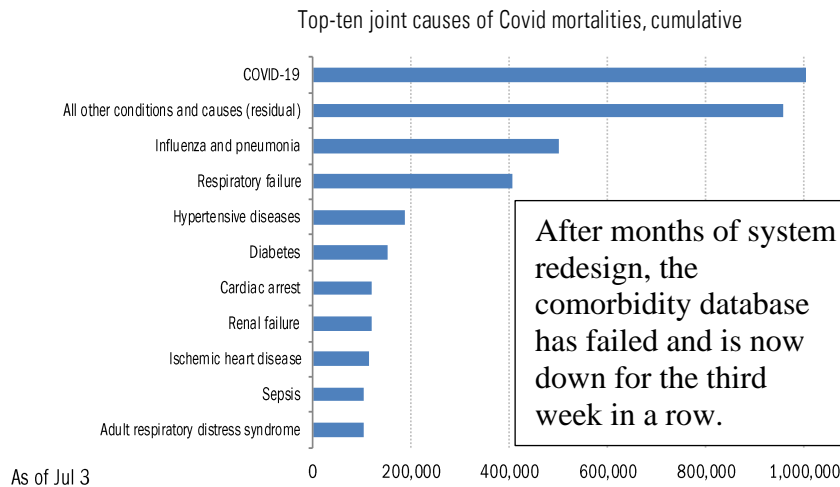
National and state-by-state data do not line up because of different sources



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

[WHO Director-General's statement on the Press conference following IHR Emergency Committee regarding the multi-country outbreak of monkeypox - 23 July 2022](#)

*World Health Organization*  
July 23, 2022

[NIH accidentally un.masks official who hid Chinese-submitted coronavirus data in March 2020](#)

Greg Piper  
*Just the News*  
July 22, 2022

[Second meeting of the International Health Regulations \(2005\) \(IHR\) Emergency Committee regarding the multi-country outbreak of monkeypox](#)

*World Health Organization*  
July 23, 2022

## Meme of the day



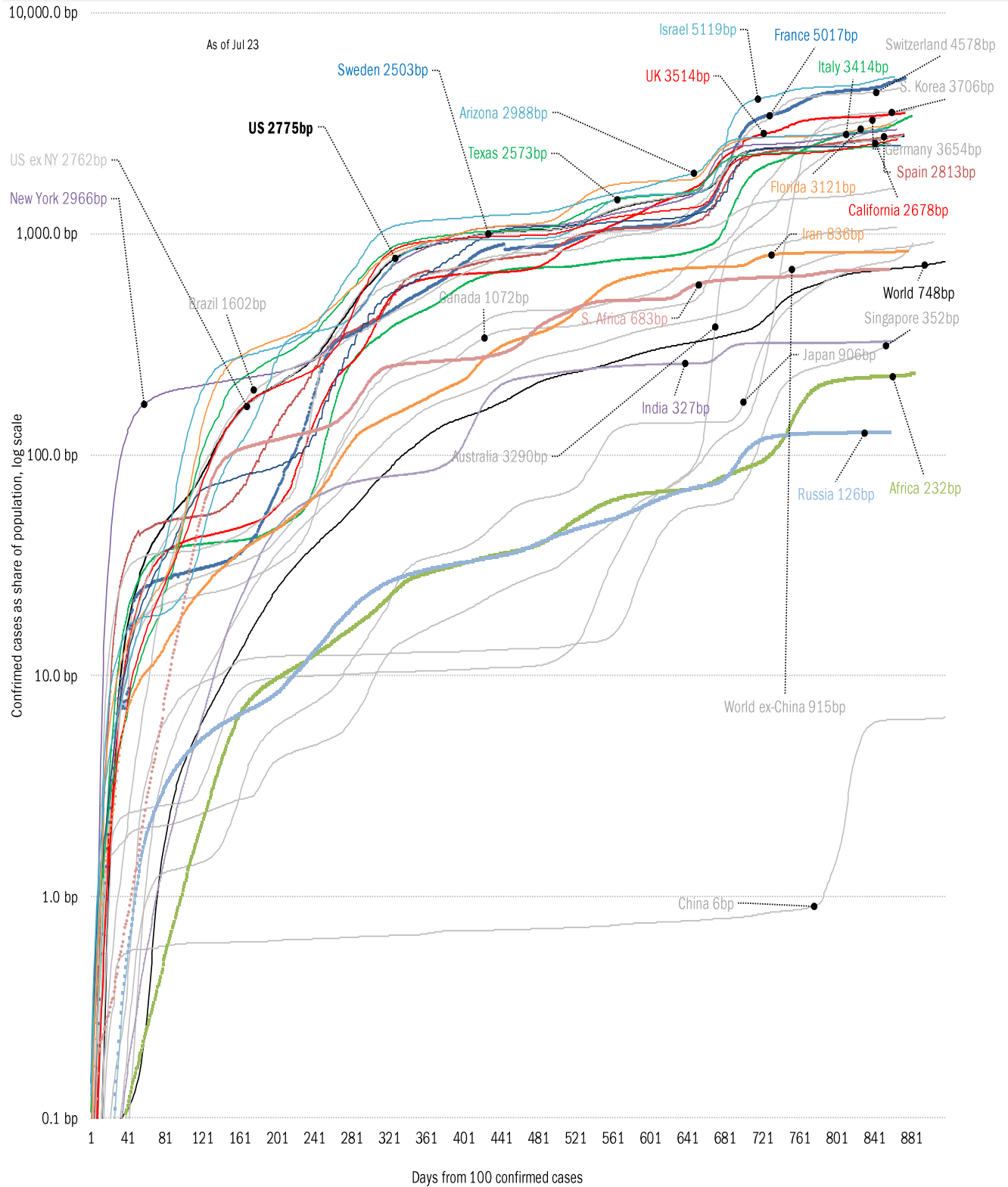
# Biden Races To Sniff One Last Girl Before Losing Sense Of Smell From COVID

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



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

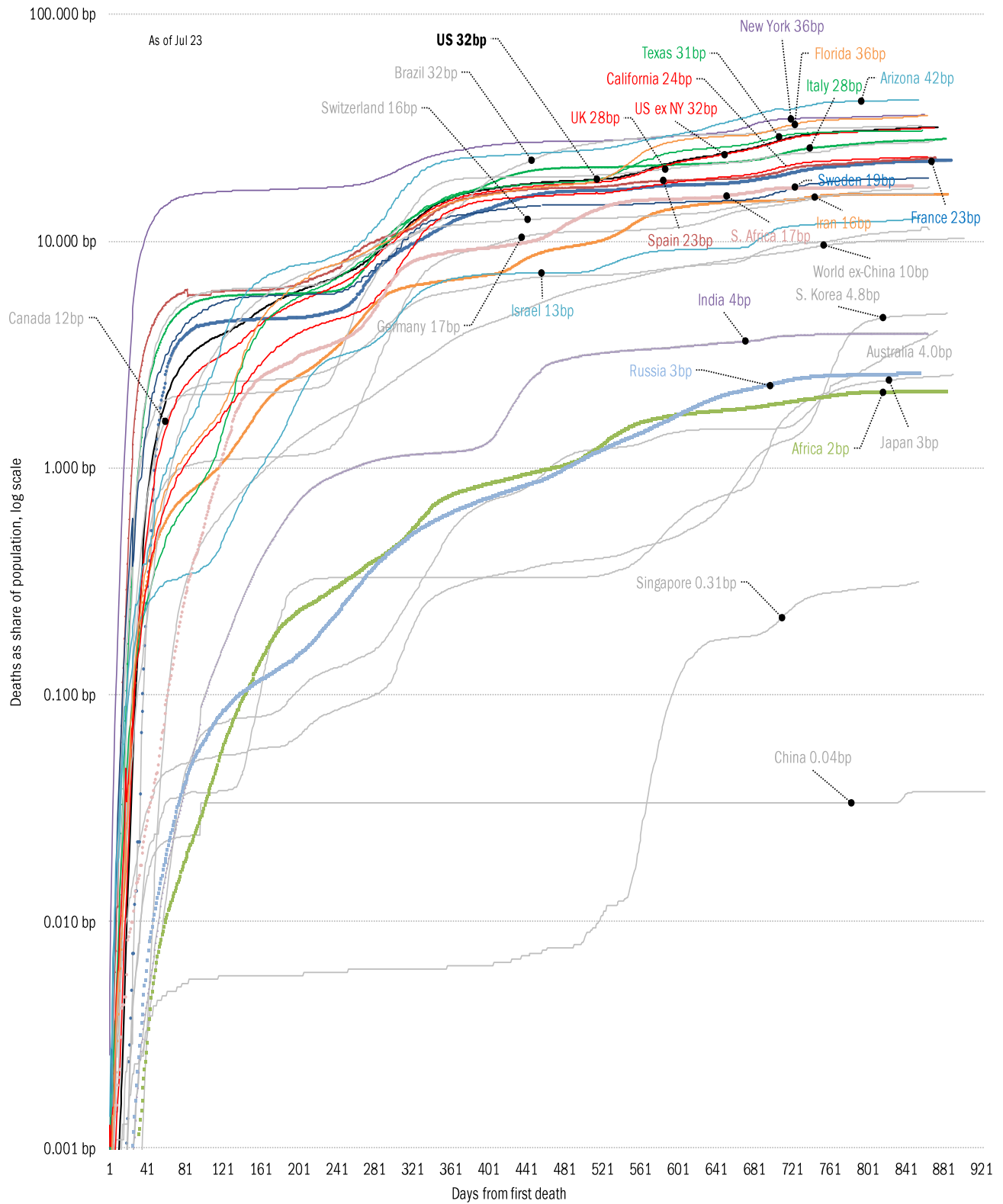
*Share of infected population from first day with 100 confirmed cases, log scale*



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*

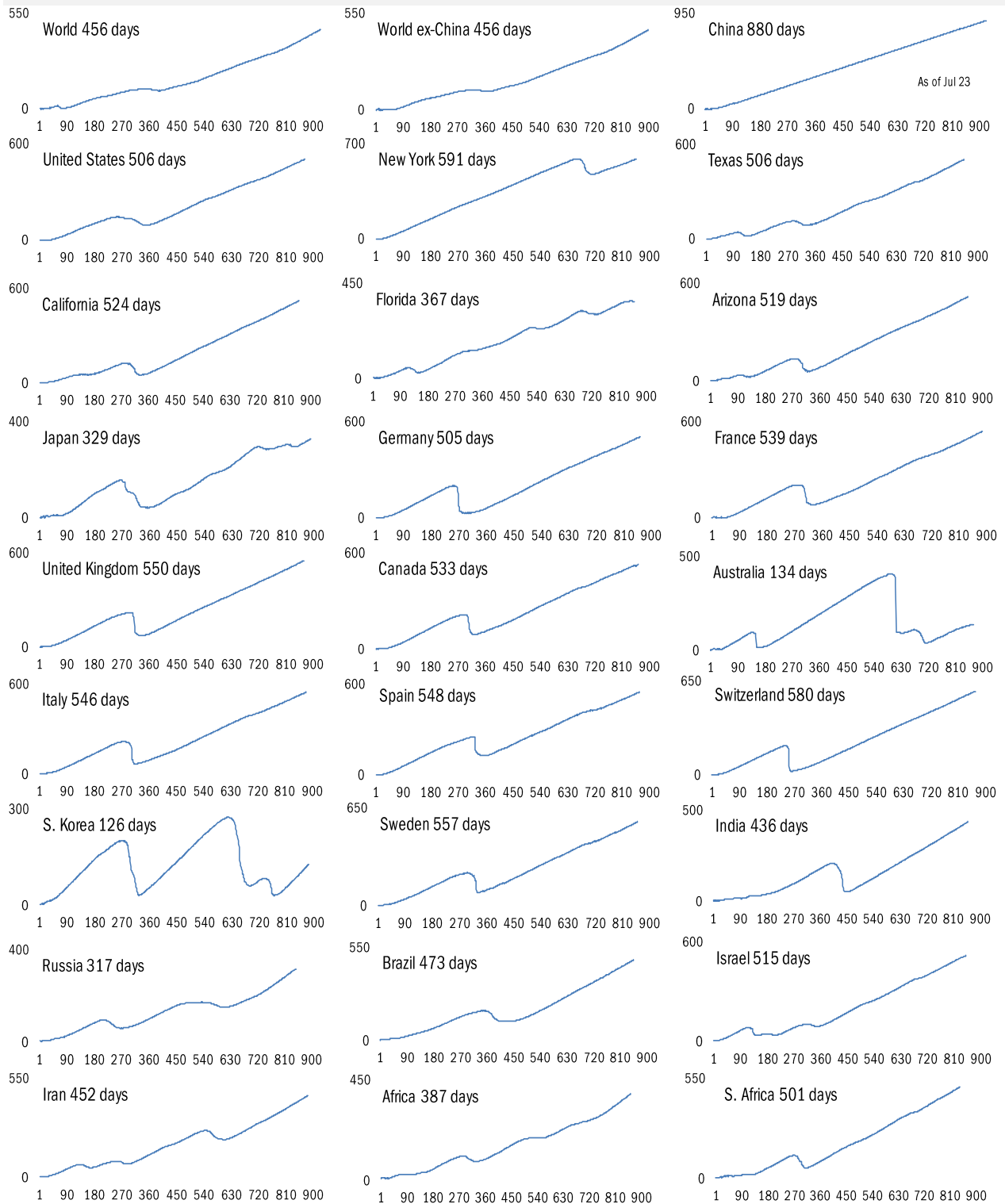


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

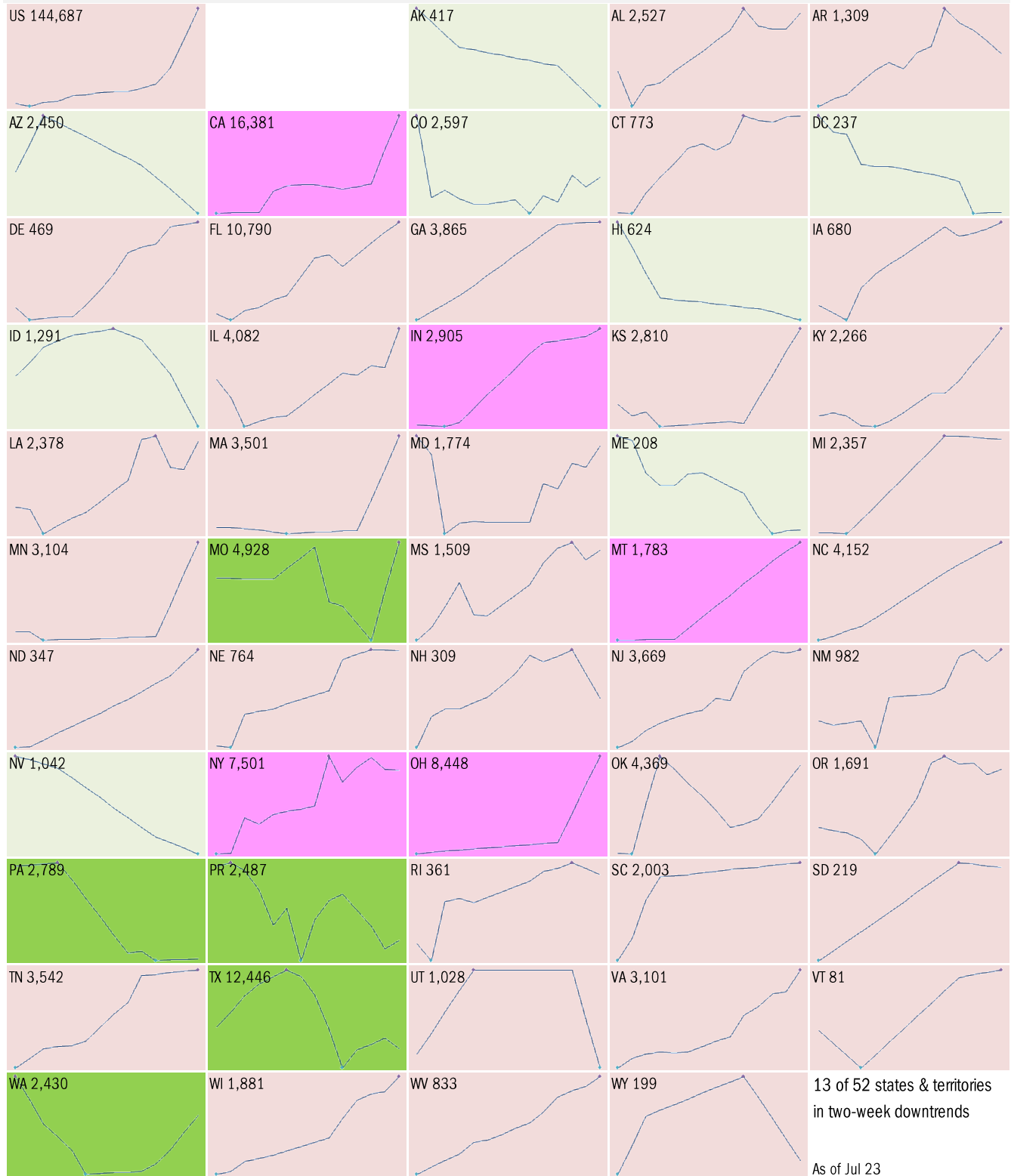


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

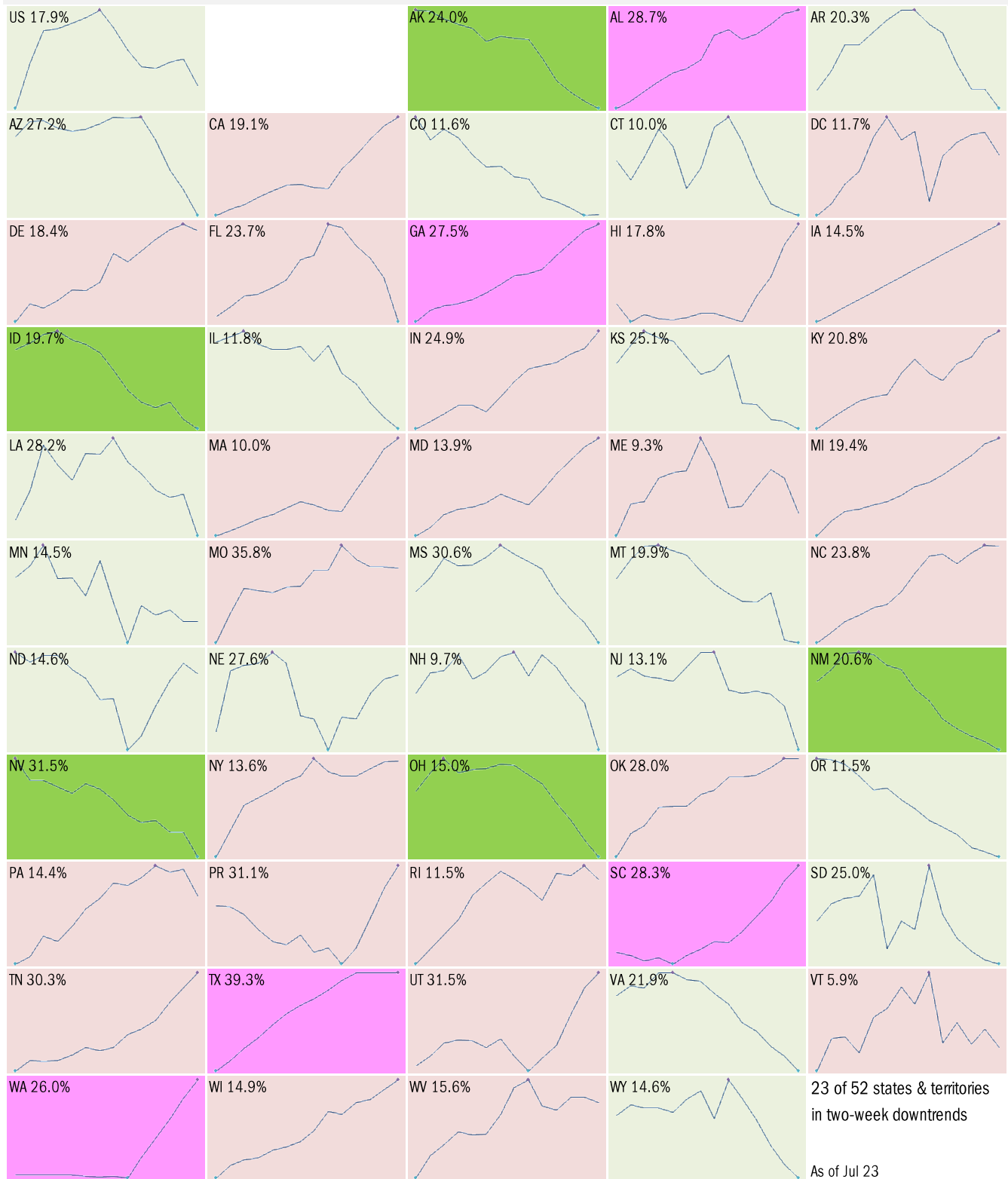


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

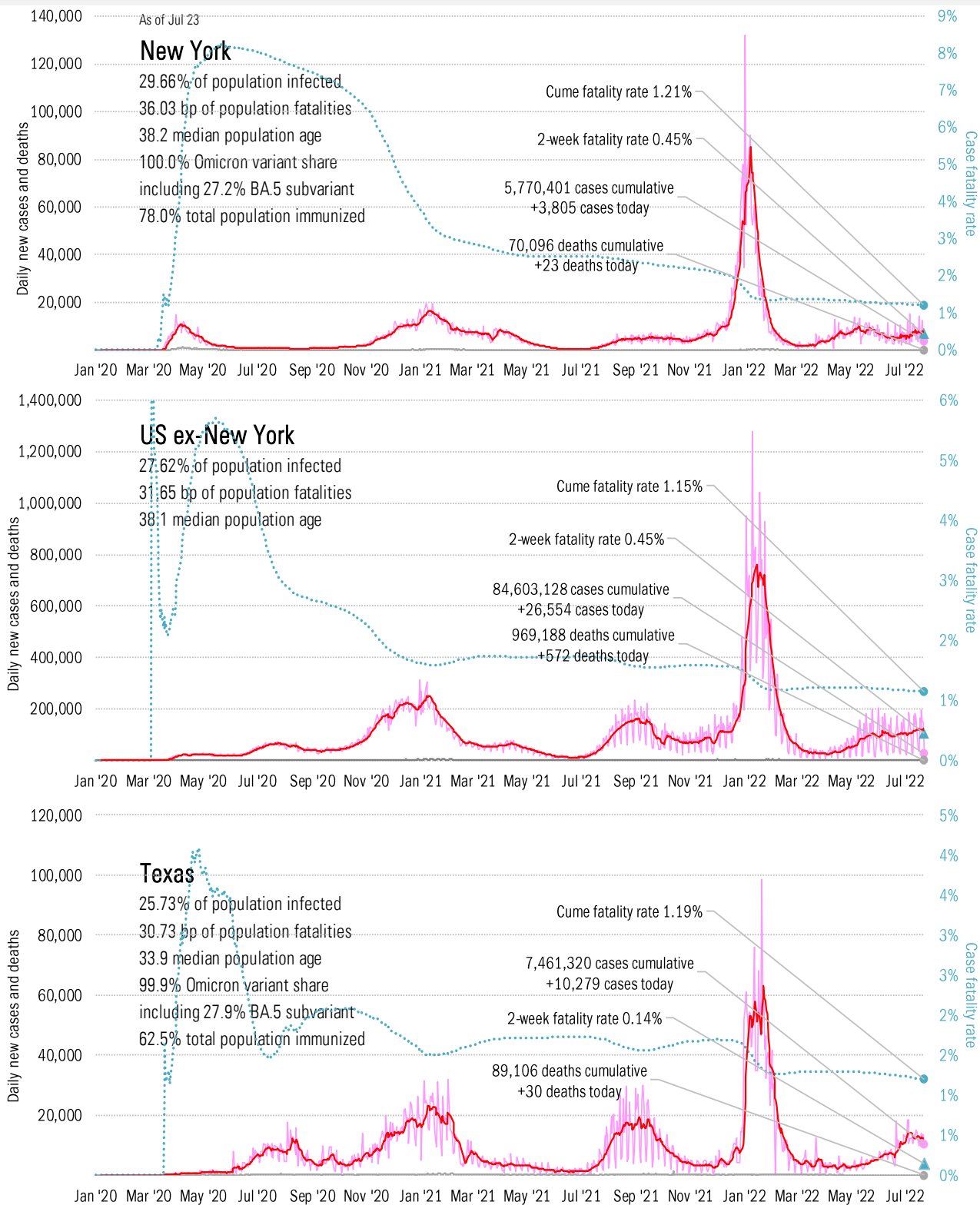
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

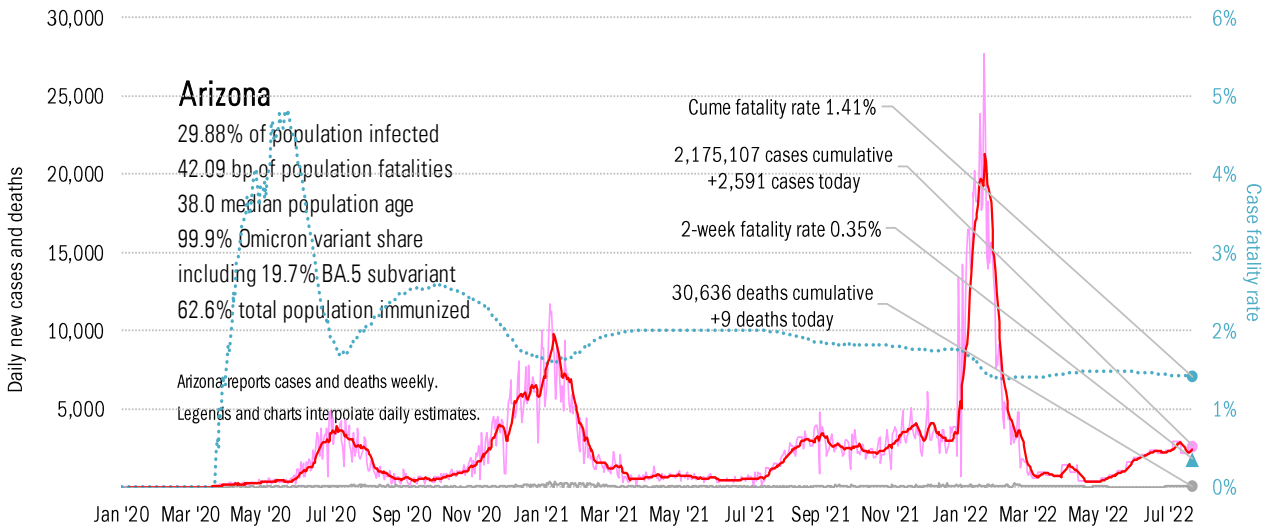
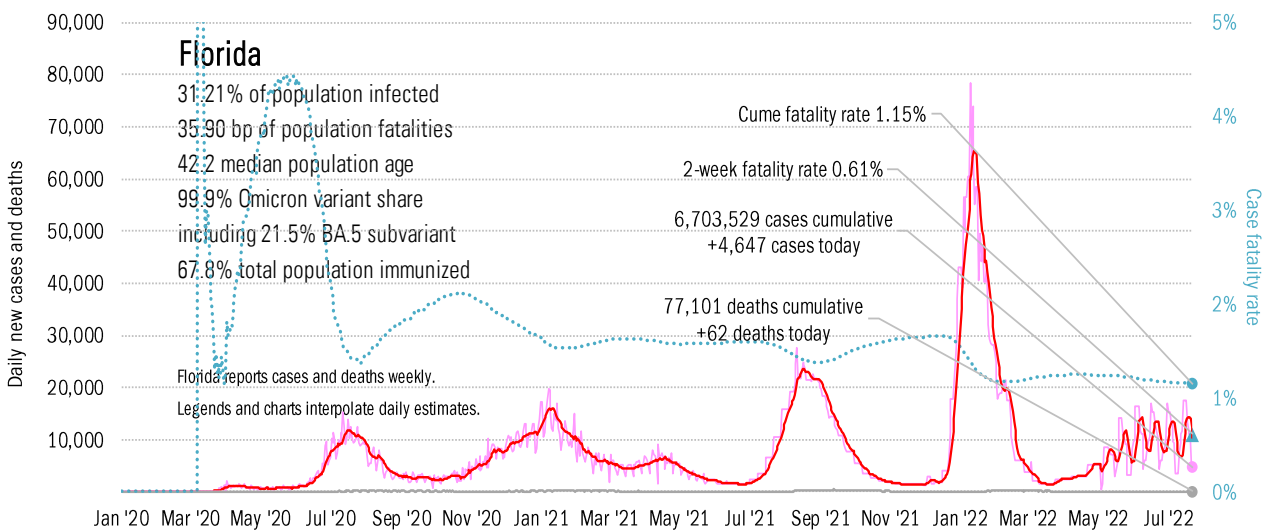
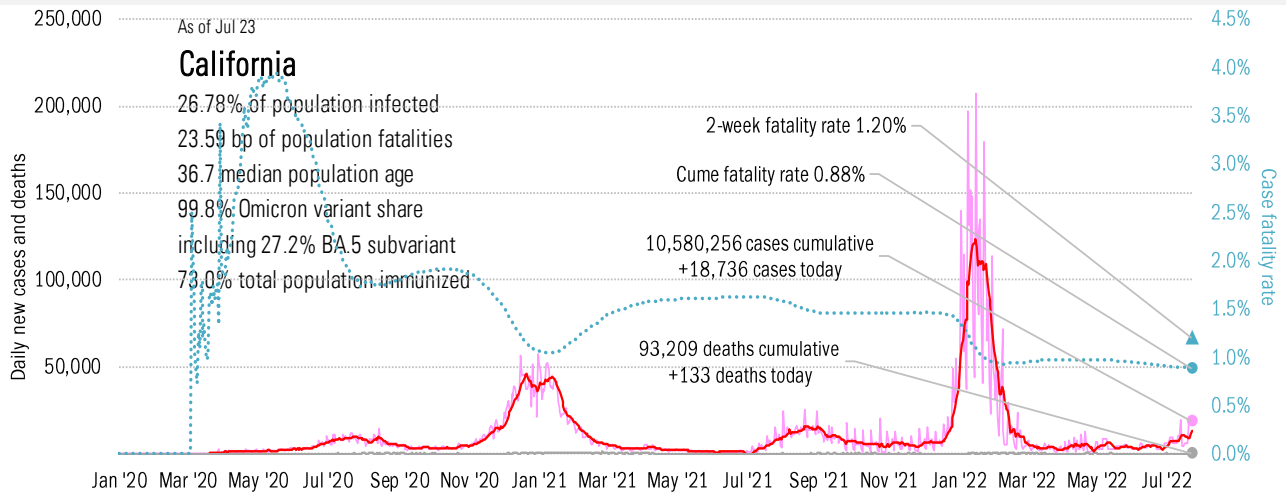
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

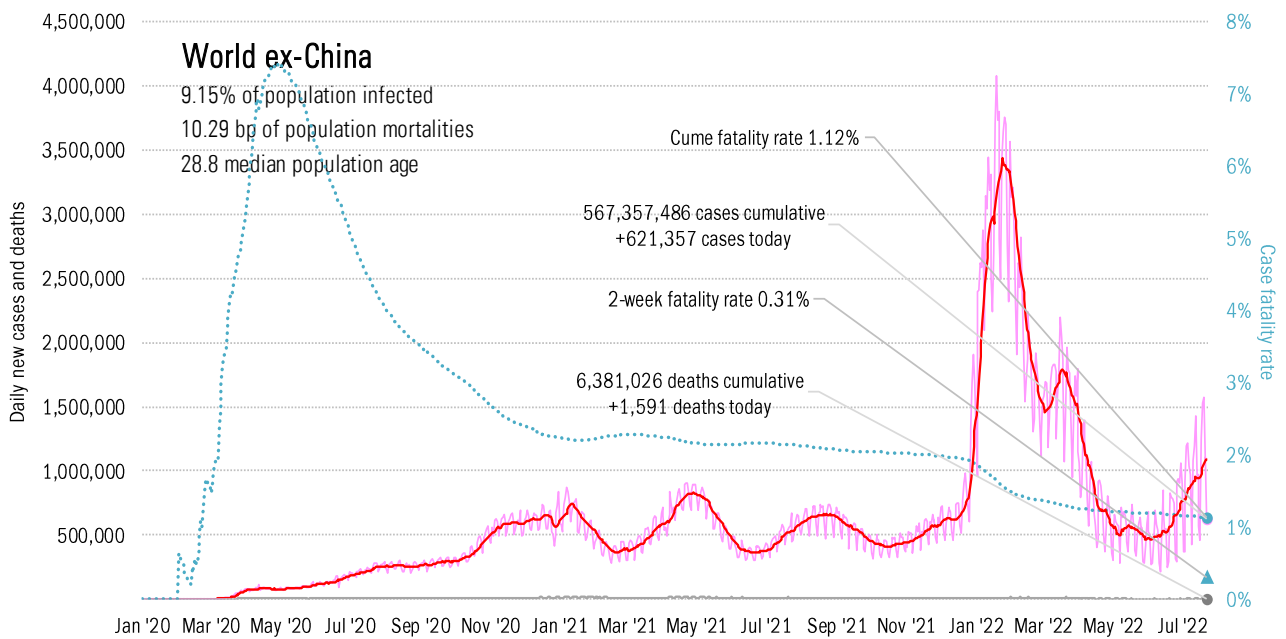
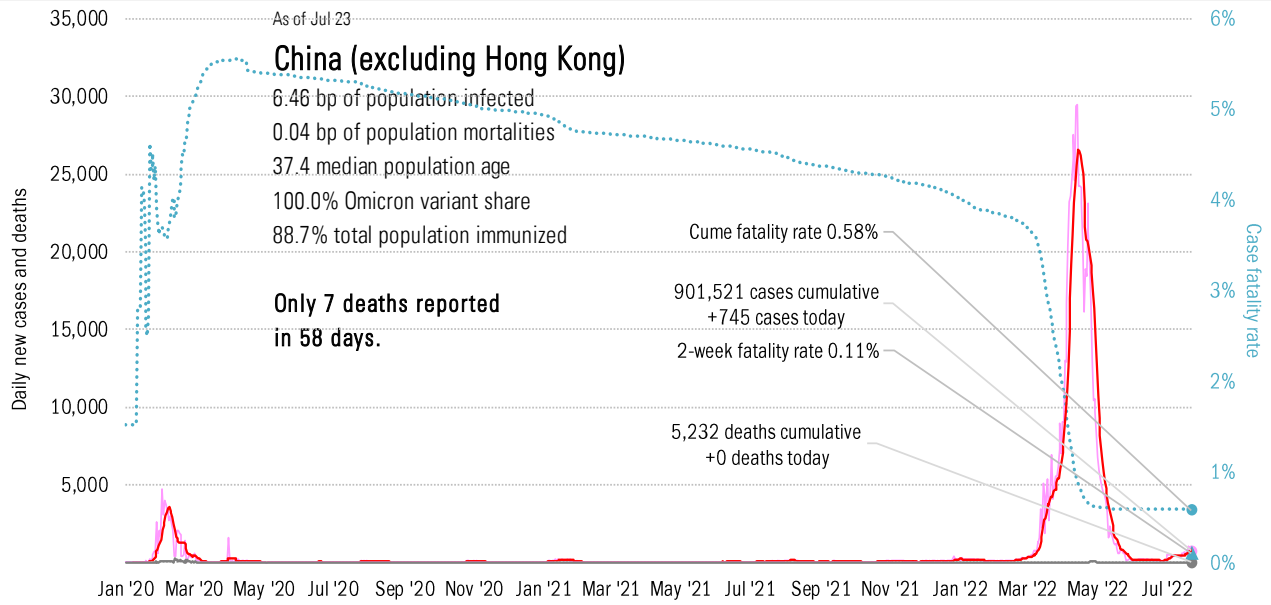
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

Cases: 7-day average and daily Deaths: Daily

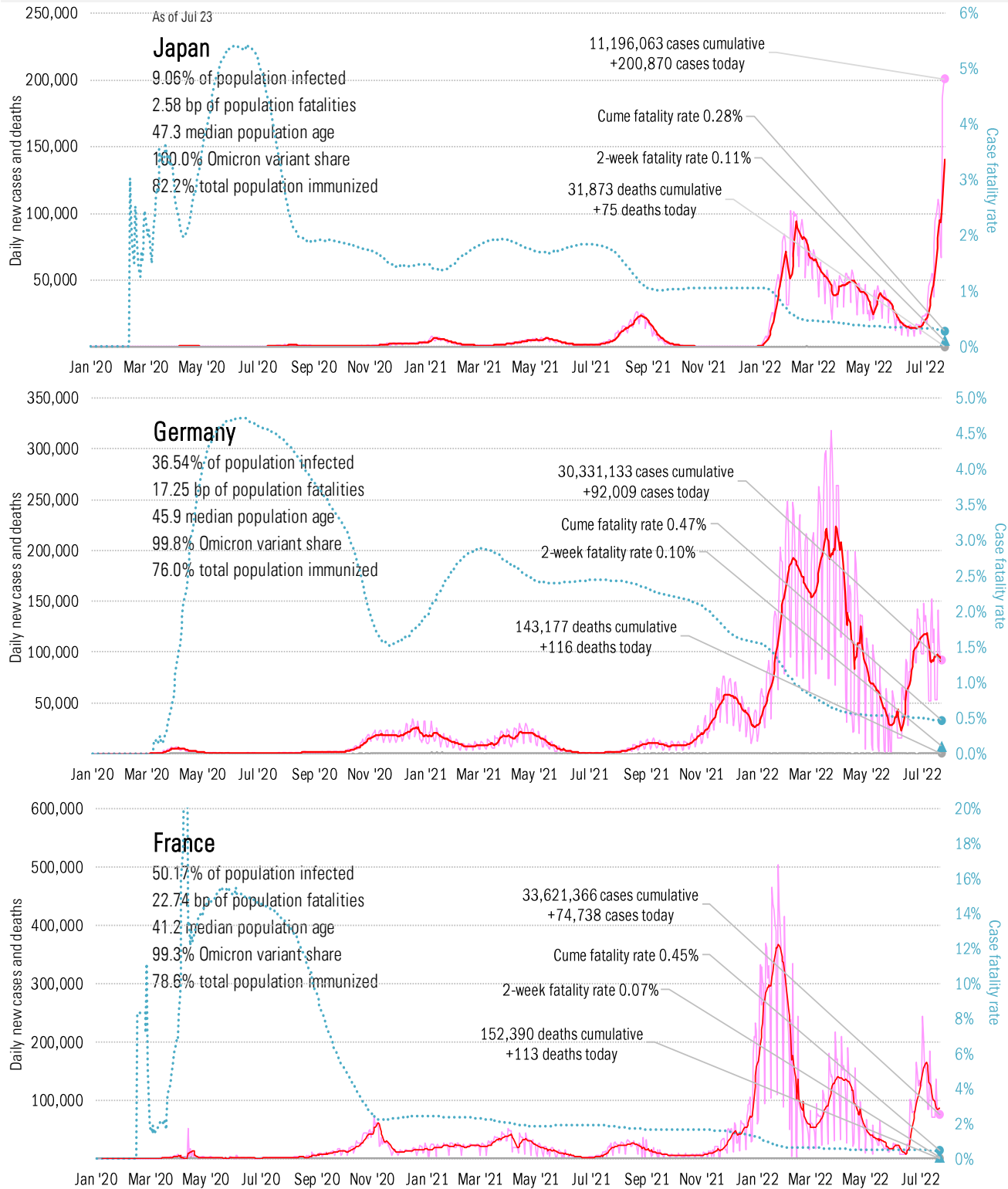


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in the largest economies

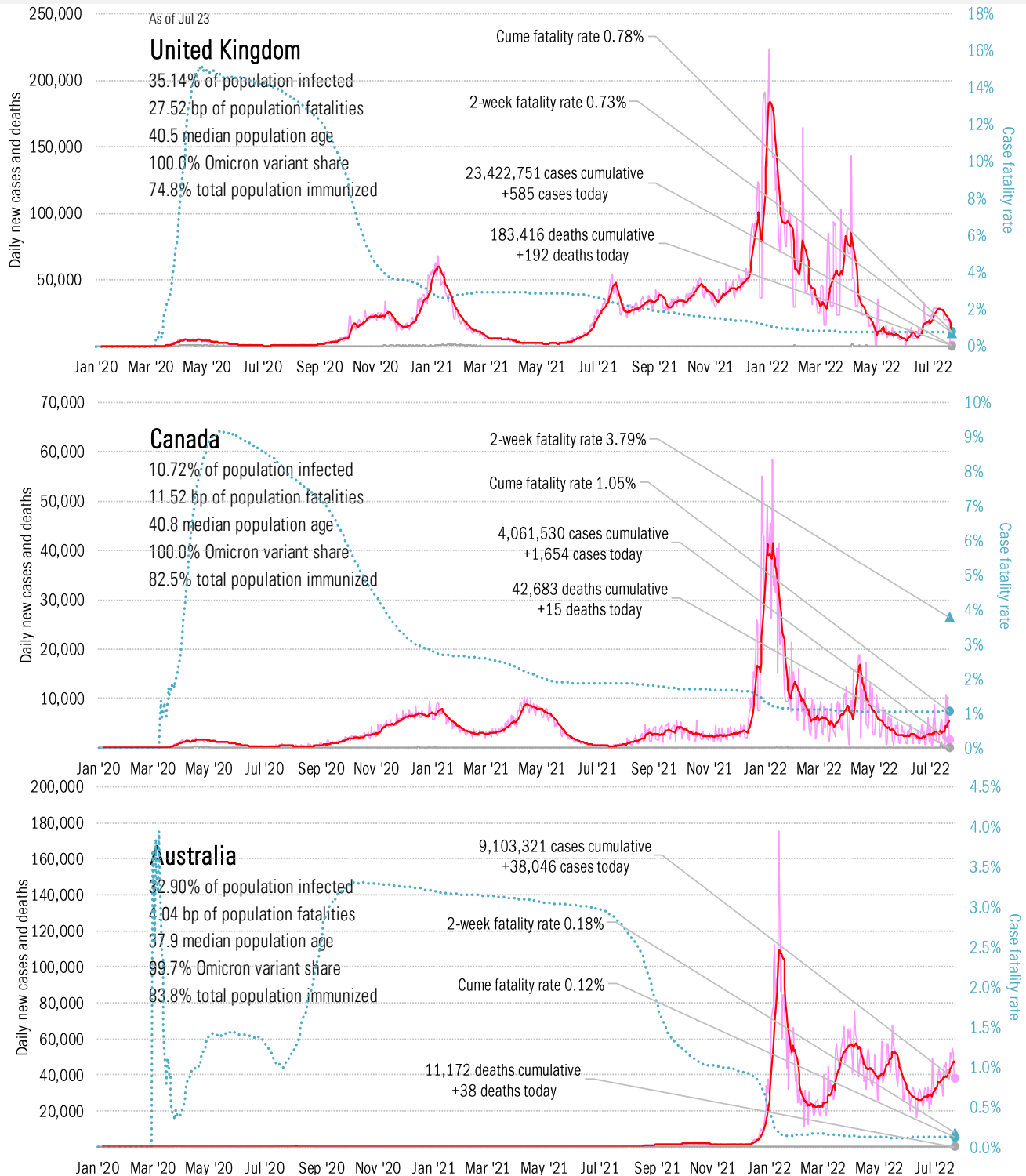
Cases: 7-day average and daily Deaths: Daily



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

# Impact in The Anglosphere

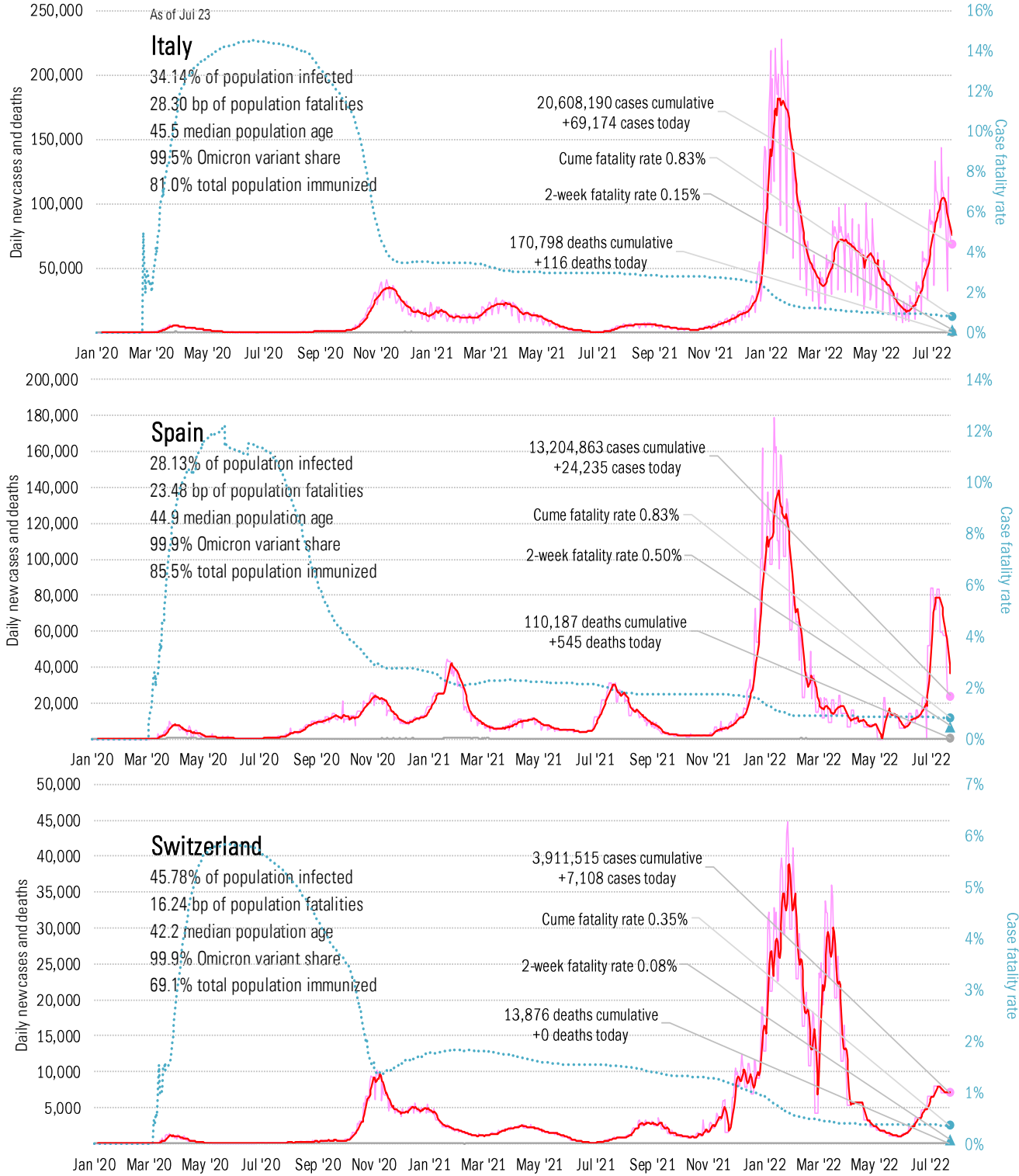
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

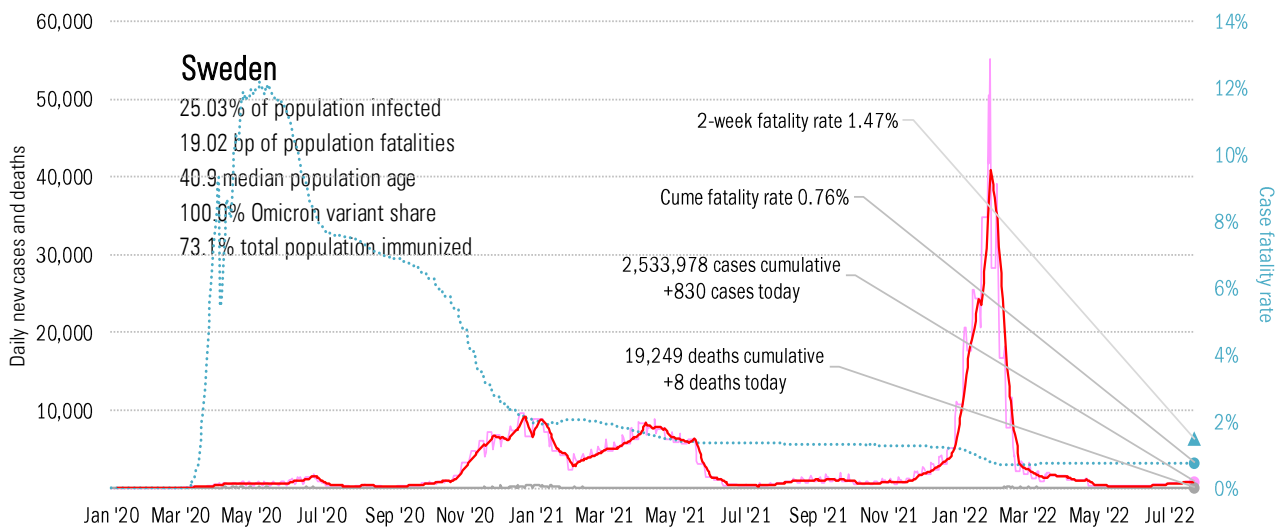
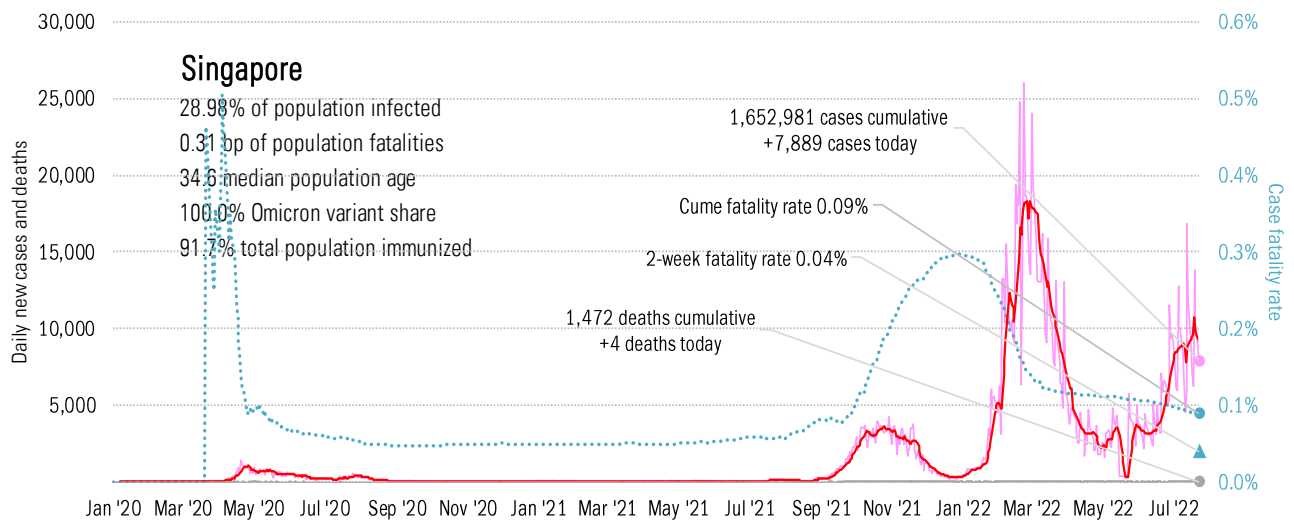
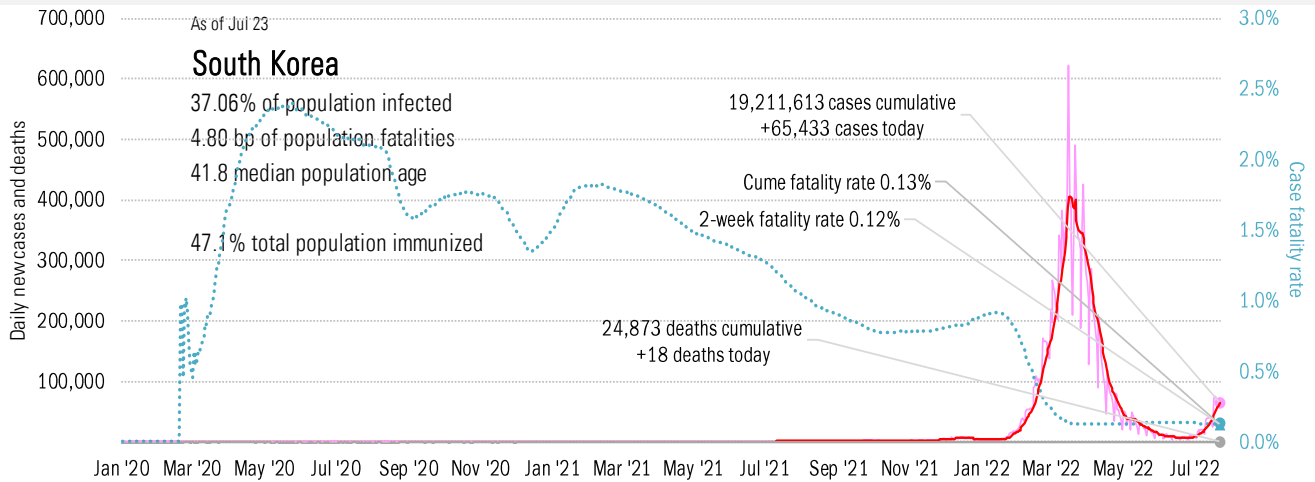
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

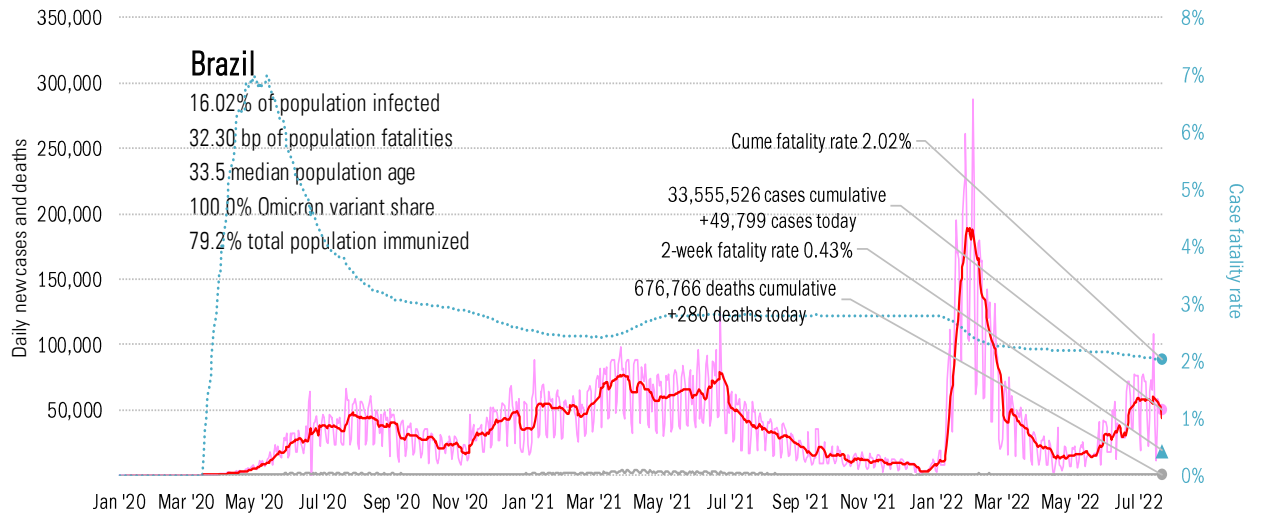
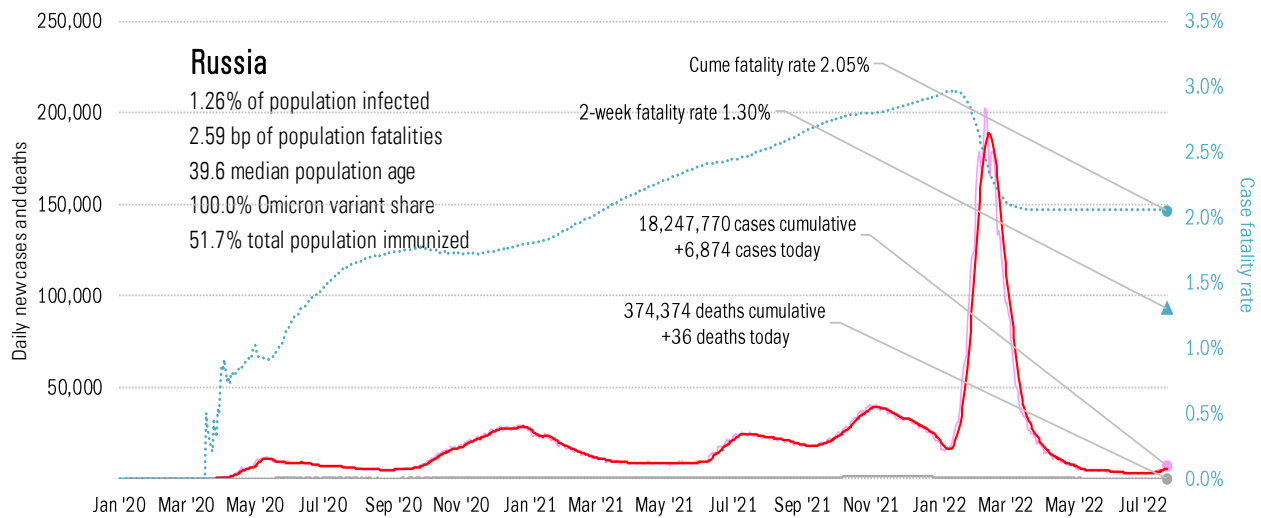
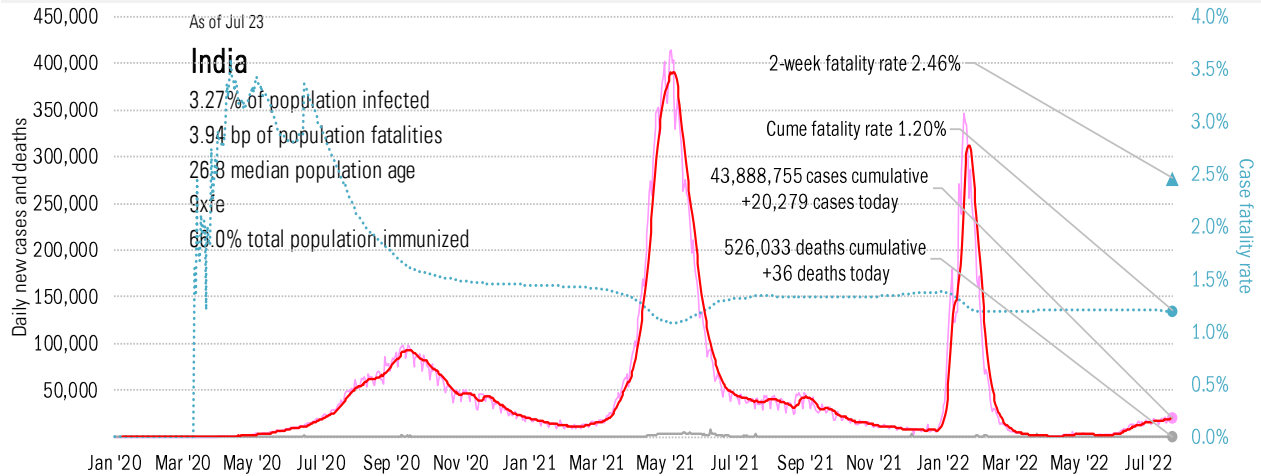
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

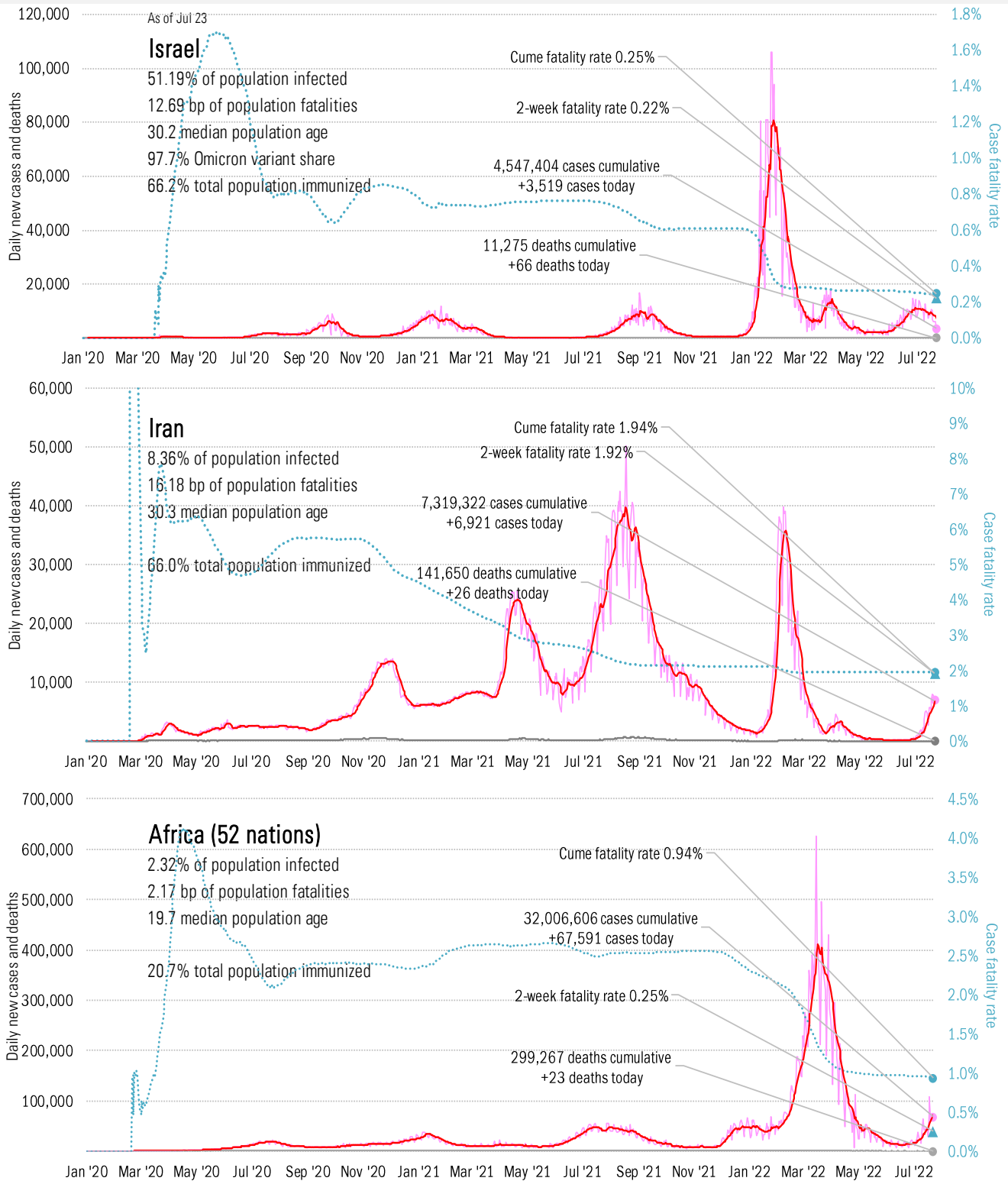
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

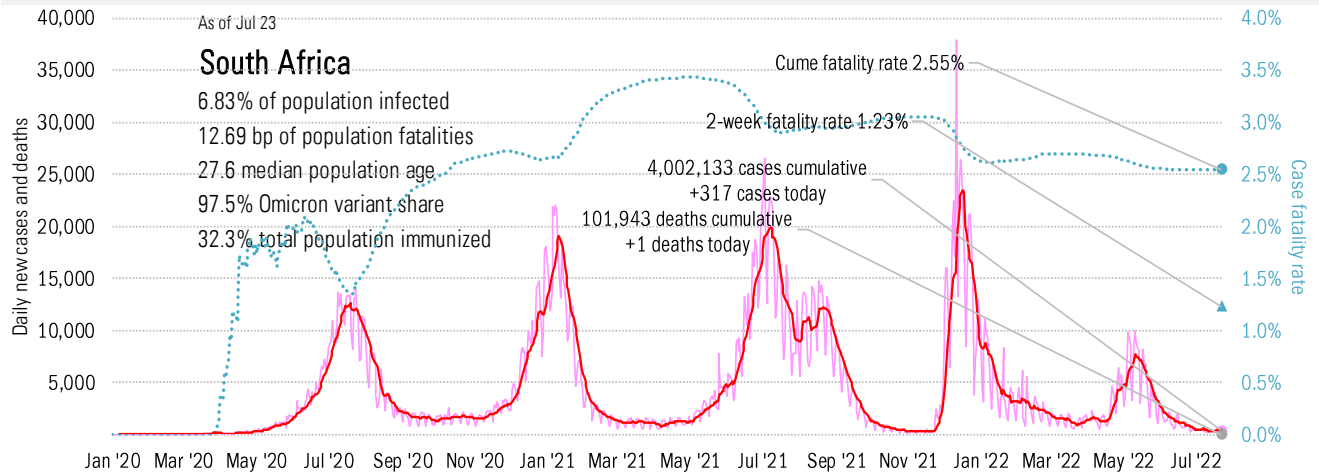
Cases: 7-day average and daily Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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