

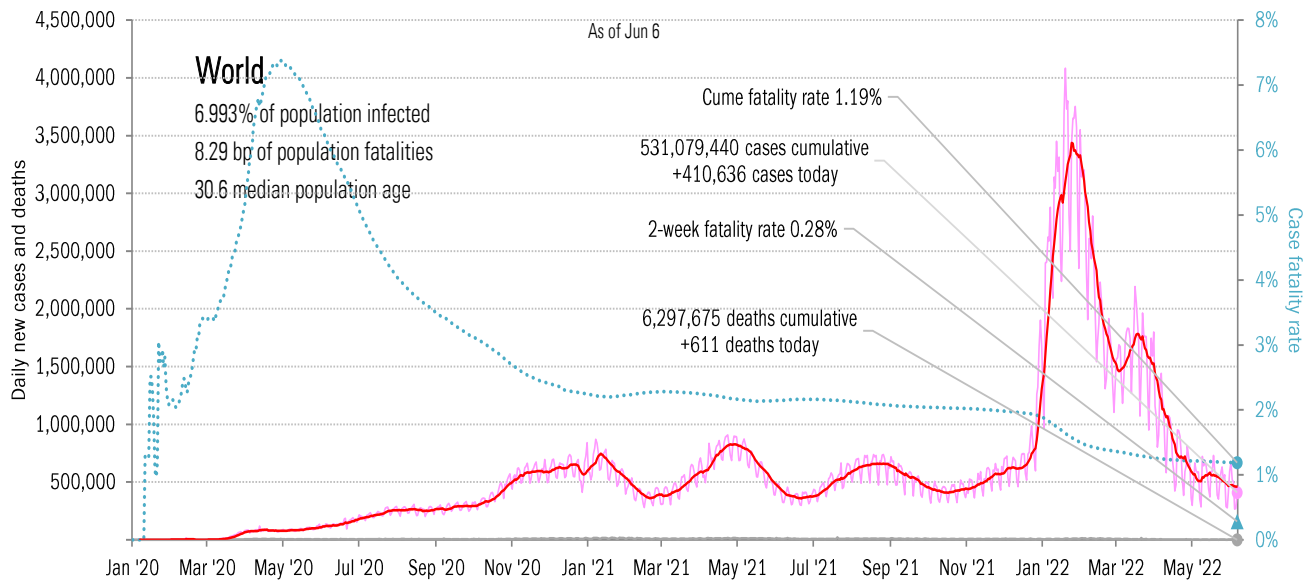
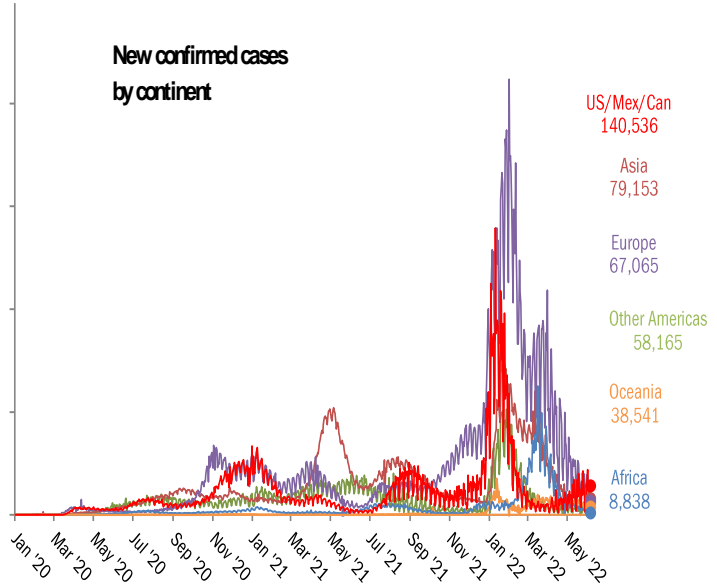
## Data Insights: Covid-2019 Monitor

Tuesday, June 7, 2022

### The global scorecard

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

The worst ten countries			
New cases		New Deaths	
United States	138,603	United States	492
Brazil	57,639	Taiwan*	151
Taiwan*	53,010	United Kingdom	117
United Kingdom	33,621	Brazil	70
Australia	27,503	Italy	70
New Zealand	10,378	Russia	61
Japan	9,078	Australia	31
Italy	8,616	Japan	24
Austria	8,508	Korea, South	20
Chile	7,601	Thailand	20
<b>354,557</b>		<b>1,056</b>	
World	410,636	World	611
Top ten	86%	Top ten	173%



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

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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

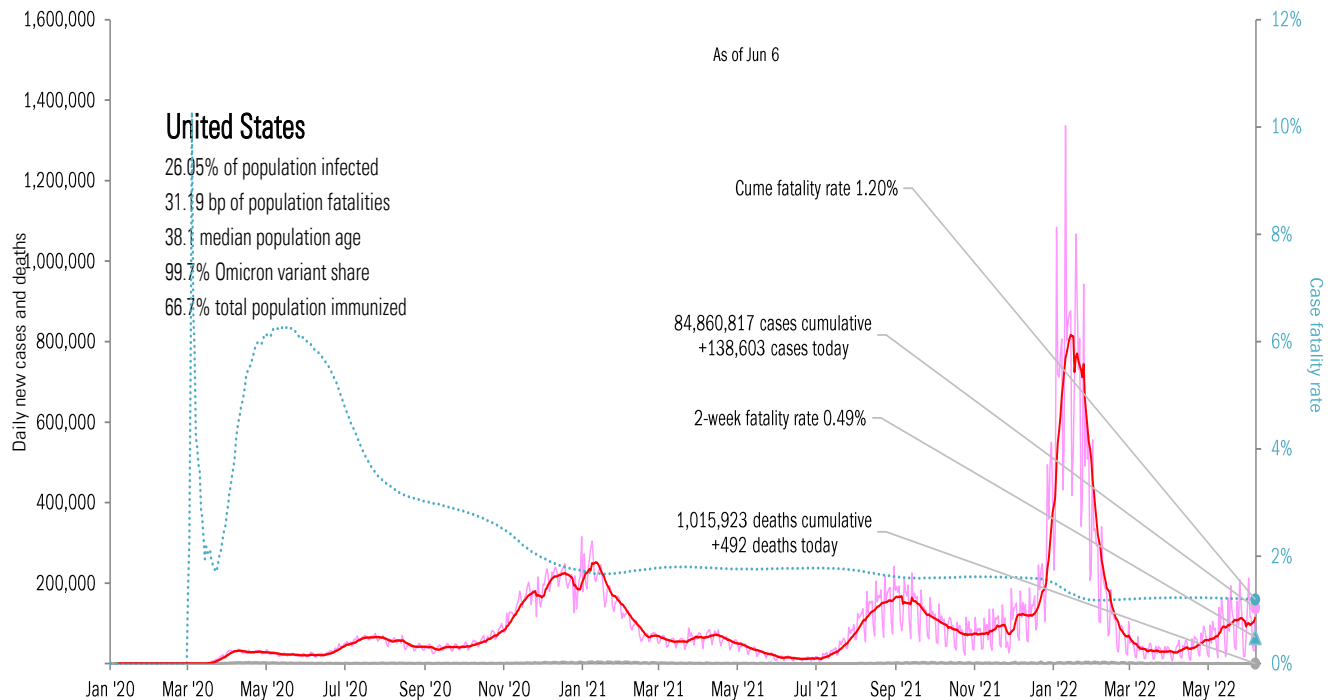
## The ten worst US states

New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	16,475		FL	36	WA	125	CA	9,675,780	CA	91,516	TX	495,755	RI	92%	DE	86%					
CA	14,344		IL	34	NE	72	TX	6,985,611	TX	88,396	CA	437,652	MN	85%	NM	83%					
NY	14,118		NM	19	CA	408	FL	6,217,134	FL	74,797	FL	428,935	MA	85%	RI	82%					
IL	13,798		NY	18	GA	124	NY	5,480,991	NY	69,152	NY	264,431	WA	84%	WA	81%					
WA	8,430		WA	18	IN	82	IL	3,332,780	PA	45,254	GA	210,138	DE	84%	TX	80%					
VA	8,081		WI	17	NC	125	PA	2,934,508	CH	38,657	CH	196,419	PA	82%	AL	80%					
CO	6,246		CA	14	NY	256	CH	2,780,653	GA	38,242	PA	183,191	GA	82%	NH	79%					
TX	5,828		AL	12	MA	113	NC	2,772,730	IL	38,222	IL	164,212	WV	81%	MA	79%					
MA	5,517		MN	10	NJ	128	GA	2,571,104	MI	36,407	MI	147,393	MD	81%	NC	78%					
WI	4,746		NJ	9	CH	143	MI	2,547,366	NJ	33,773	KY	134,533	MO	80%	WV	77%					
97,583			187			1,576			45,298,657			554,416			2,662,659						
All states	138,603		492			3,754			All states	84,860,817	1,015,923			4,835,759			All states	70%	67%		
Top ten	70%		38%			42%			Top ten	53%	55%			55%			Median	74%	70%		

Some states not reporting

## Five most improved US states

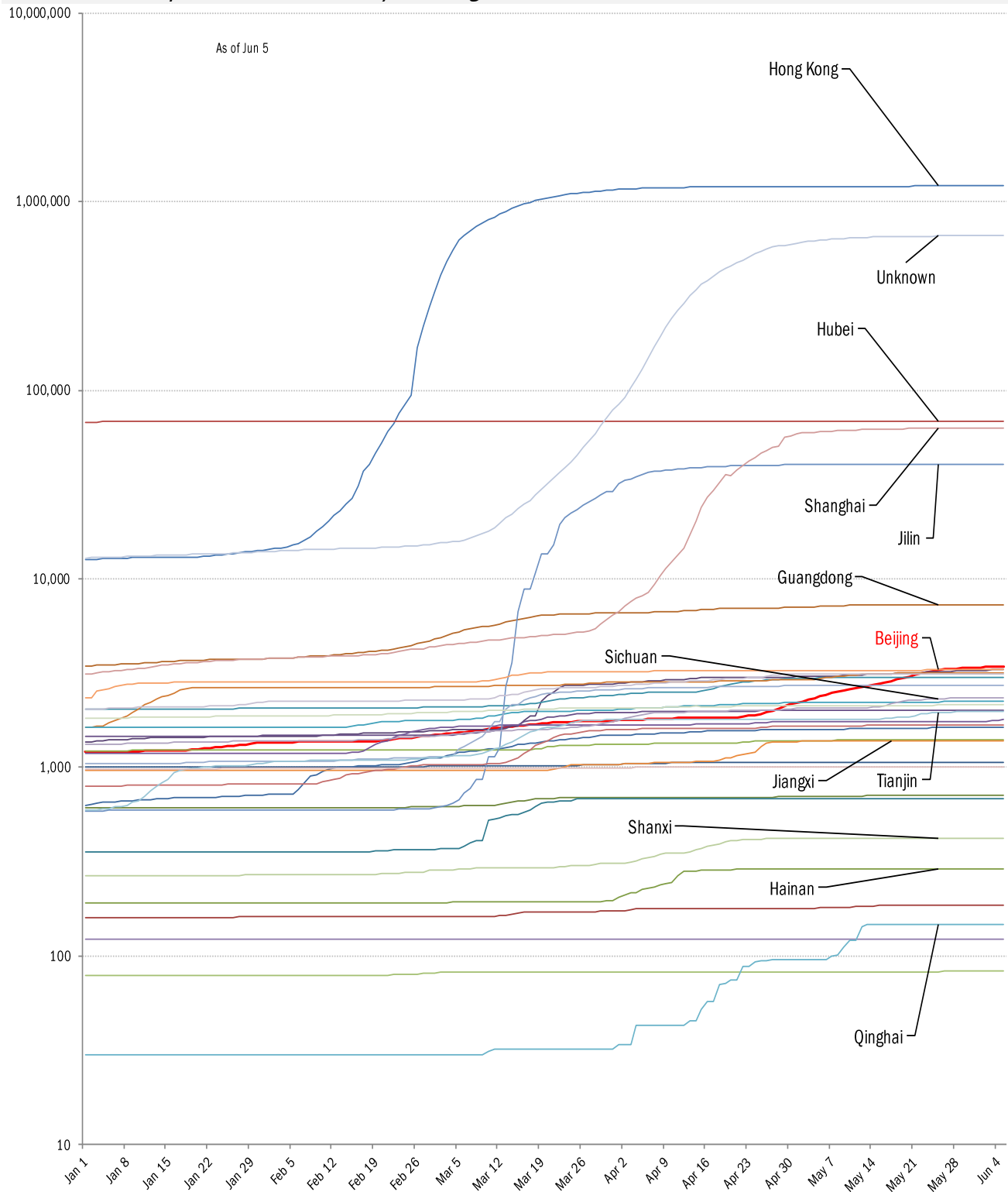
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FR	-1,847	FL	-59	TX	-92	AL	+10 bp
NJ	-594	CT	-2	FL	-69	NV	+10 bp
AR	-126	AK	0	MI	-38	AK	+0 bp
AK	0	AS	0	ME	-37	AR	+0 bp
AS	0	DC	0	FR	-31	AS	+0 bp



Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

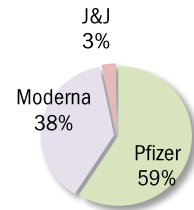
*Cumulative reported cases this year, log scale: flat line indicates "zero Covid"*



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

# Rolling out the vaccines in the US and the world

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	604,738,827		+0.124 million		US	66.7%	78.0%	
Boosters	45,117,549		+0.007 million		UK	73.3%	78.4%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.4%	80.7%
Total population	266,660,771	80%	227,847,624	68%	+0.017 million	Spain	86.7%	88.2%
Age 12 to 17	17,824,712	70%	15,268,831	60%	+0.002 million	Germany	76.9%	76.9%
Age 18 to 64	179,104,334	88%	152,358,186	75%	+0.009 million	Italy	79.4%	84.1%
Age 65 and over	59,203,888	100%	51,705,197	94%	+0.003 million	Australia	83.9%	86.6%
						Israel	66.1%	72.2%
						Canada	82.5%	86.0%
						Japan	81.0%	82.2%
						Africa	17.4%	22.7%
						India	64.1%	72.7%
						Brazil	77.8%	86.0%
						China	87.1%	89.4%



State	At least partial immunity as % population	Full immunity as % population
AK	70.1%	62.8%

**State**

At least partial immunity as % population

Full immunity as % population

Best (Blue)

Middle (Purple)

Worst (Red)

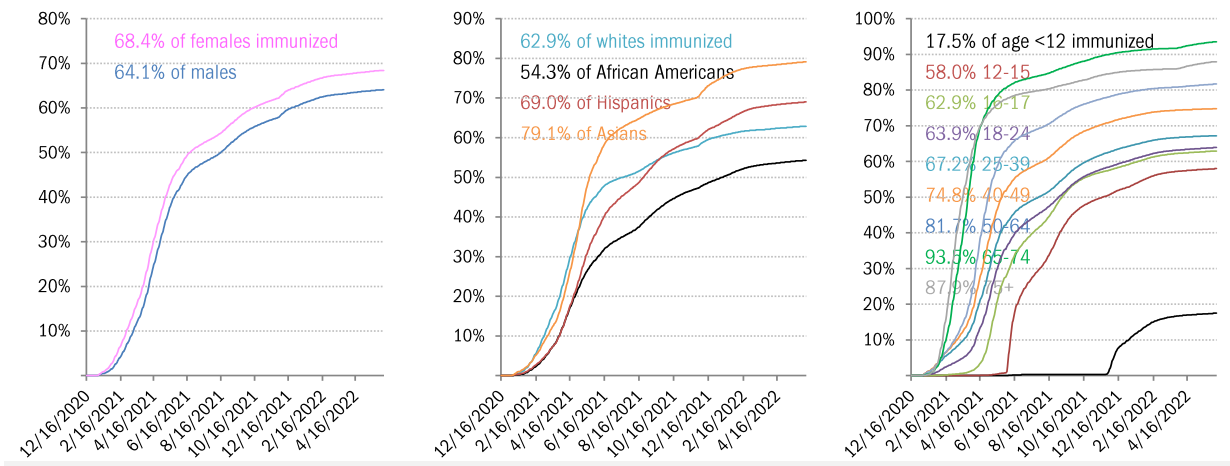
\*Immunity\* = two doses

Global data differs due to sources, timing

As of Jun 6

State	At least partial immunity as % population	Full immunity as % population
WI	72.2%	65.9%
ME	91.3%	80.2%
NH	89.0%	71.2%
NY	90.7%	77.5%
VT	94.2%	81.7%
MA	95.0%	79.7%
PA	85.6%	69.2%
NJ	91.0%	76.2%
RI	95.0%	83.4%
CT	95.0%	79.9%
MD	87.1%	76.2%
VA	86.3%	73.8%
DC	95.0%	78.7%
DE	83.8%	69.8%
NC	85.2%	62.1%
SC	68.1%	57.4%
GA	65.8%	55.1%
AL	63.1%	51.5%
MS	59.9%	52.1%
LA	61.3%	53.8%
TX	73.9%	62.0%
FL	79.8%	67.4%
PR	95.0%	83.4%
OK	71.5%	57.7%
AR	67.1%	54.8%
MS	59.9%	52.1%
AL	63.1%	51.5%
GA	65.8%	55.1%
NC	85.2%	62.1%
SC	68.1%	57.4%
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VA	86.3%	73.8%
MD	87.1%	76.2%
CT	95.0%	79.9%
RI	95.0%	83.4%
CA	82.6%	72.7%
UT	72.4%	64.6%
CO	79.8%	70.6%
NE	70.5%	63.8%
MO	66.5%	56.4%
KY	66.5%	57.7%
WV	65.3%	57.9%
OR	78.3%	70.0%
NV	75.8%	61.3%
WY	58.4%	51.2%
SD	77.3%	62.2%
IA	68.2%	62.3%
IN	61.8%	55.3%
OH	63.9%	59.0%
MI	67.3%	60.5%
IL	76.3%	68.9%
MN	75.4%	69.5%
ND	65.9%	55.9%
MT	65.6%	57.1%
WA	81.2%	73.0%
ID	62.0%	55.7%
MT	65.6%	57.1%
ND	65.9%	55.9%
MN	75.4%	69.5%
IL	76.3%	68.9%
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MS	59.9%	52.1%
LA	61.3%	53.8%
TX	73.9%	62.0%
FL	79.8%	67.4%
PR	95.0%	83.4%
AK	70.1%	62.8%
HI	87.9%	78.7%

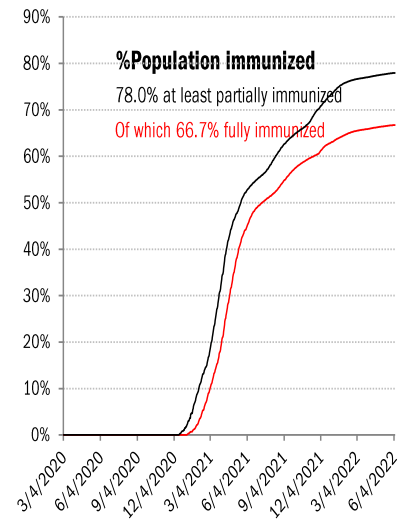
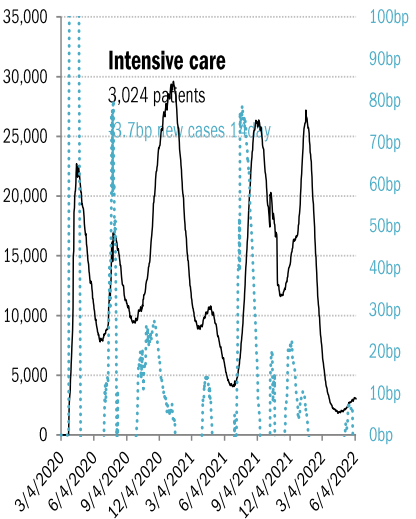
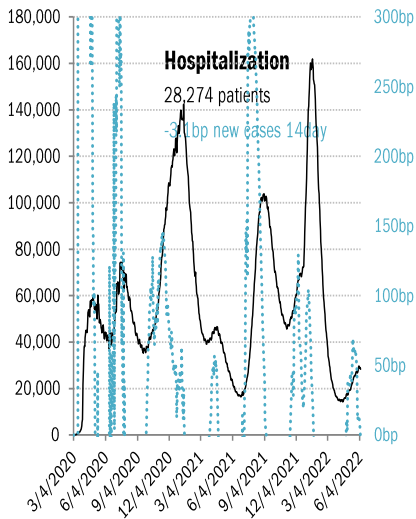
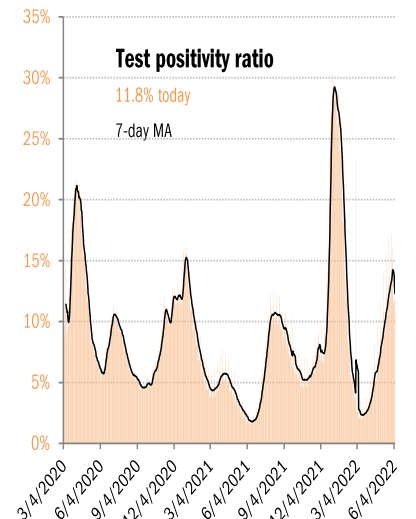
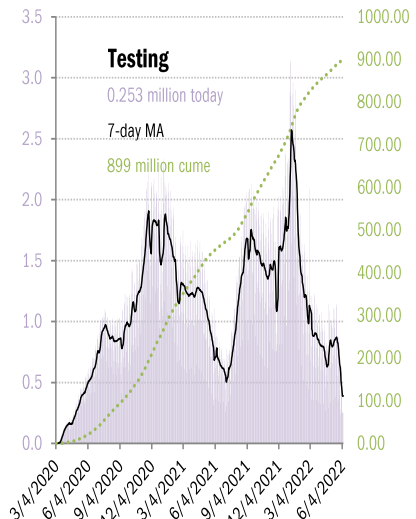
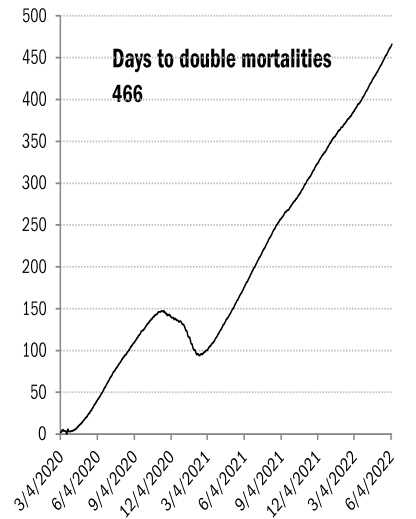
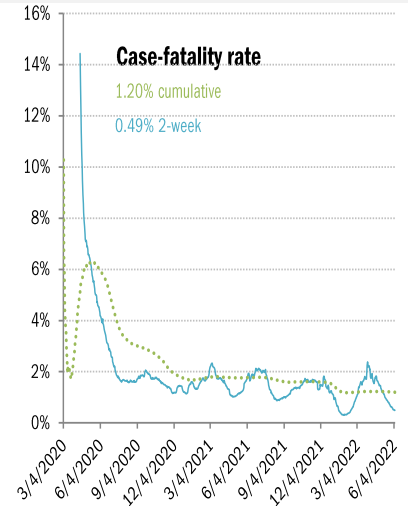
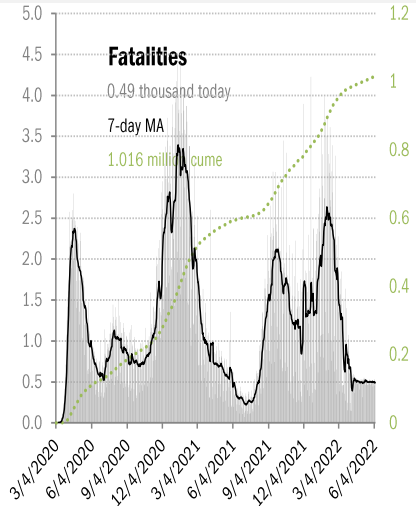
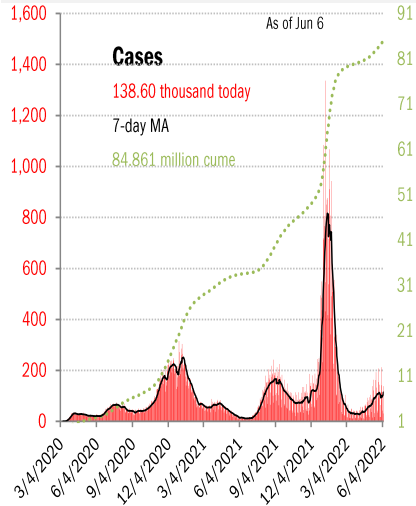
## The demographics of US vaccination



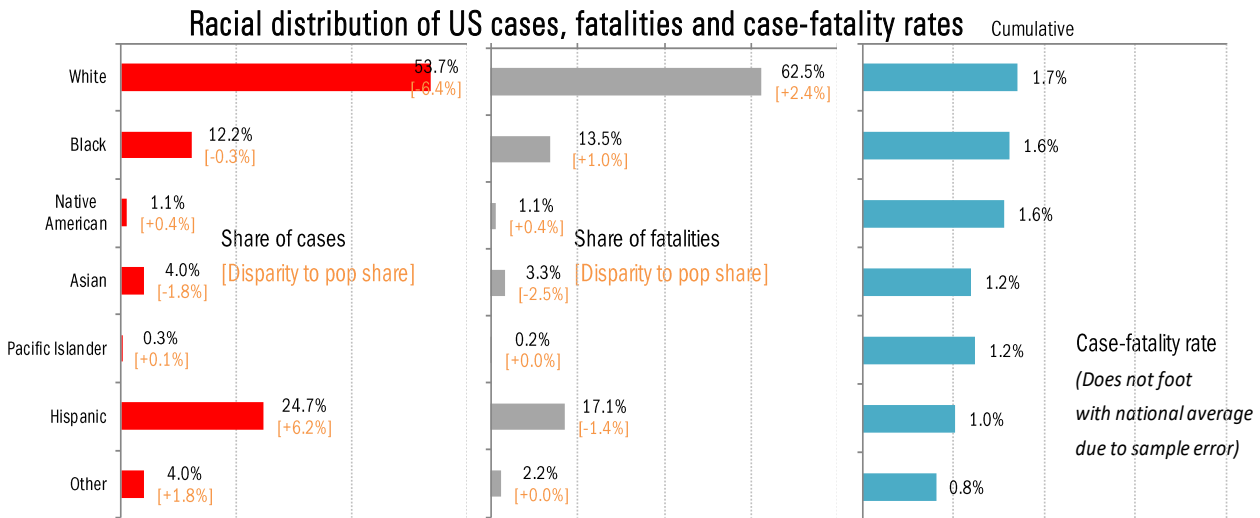
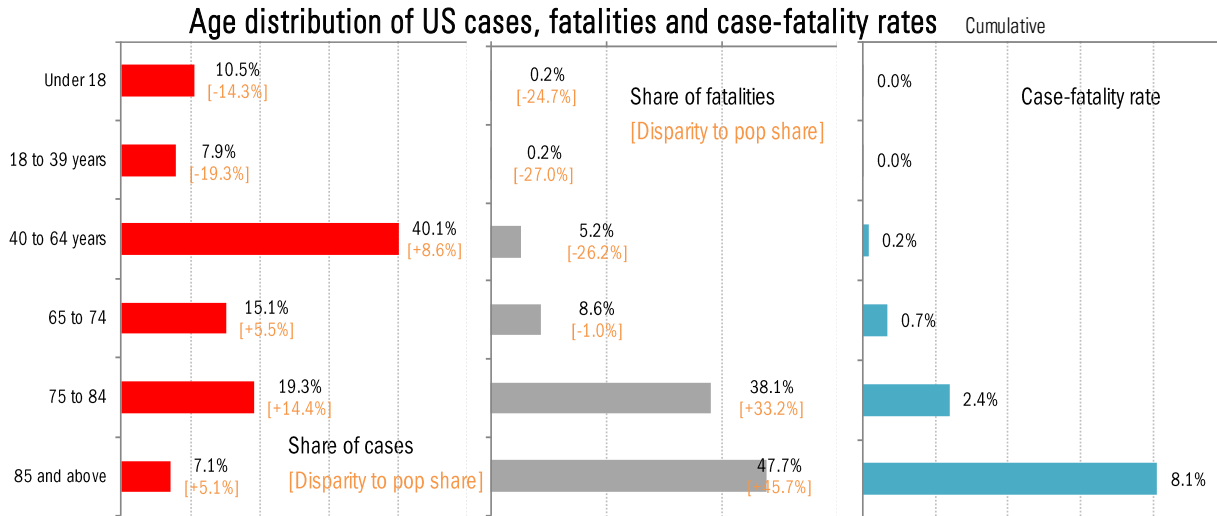
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

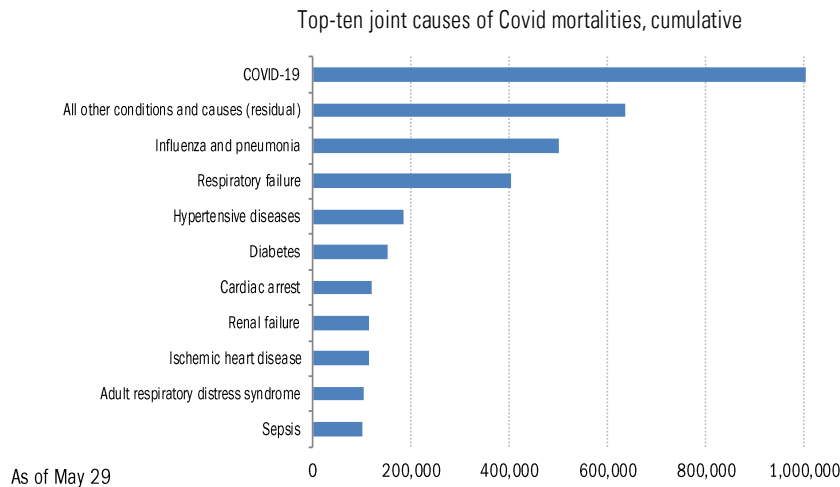
National and state-by-state data do not line up because of different sources



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



### Comorbidities



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 High Cost of Constant Covid Testing](#)

Tim Halliday and Ge Bai  
*Wall Street Journal*  
June 6, 2022

### [Update on Berenson v Twitter](#)

Alex Berenson  
*Unreported Truths*  
June 6, 2022

### [A more traditional coronavirus shot on the way for some unable to wait](#)

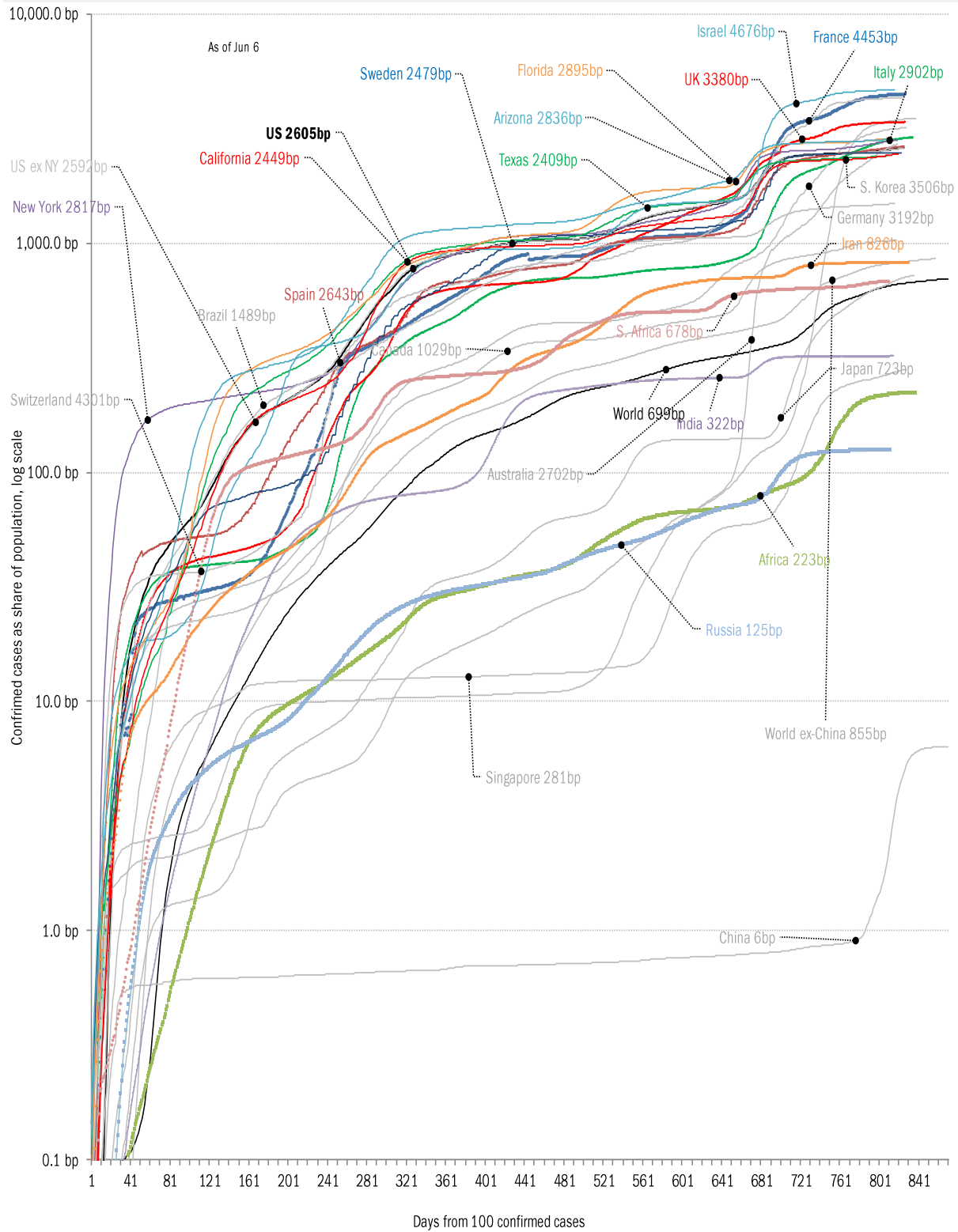
Carolyn Y. Johnson  
*Washington Post*  
June 5, 2022

## Meme of the day



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

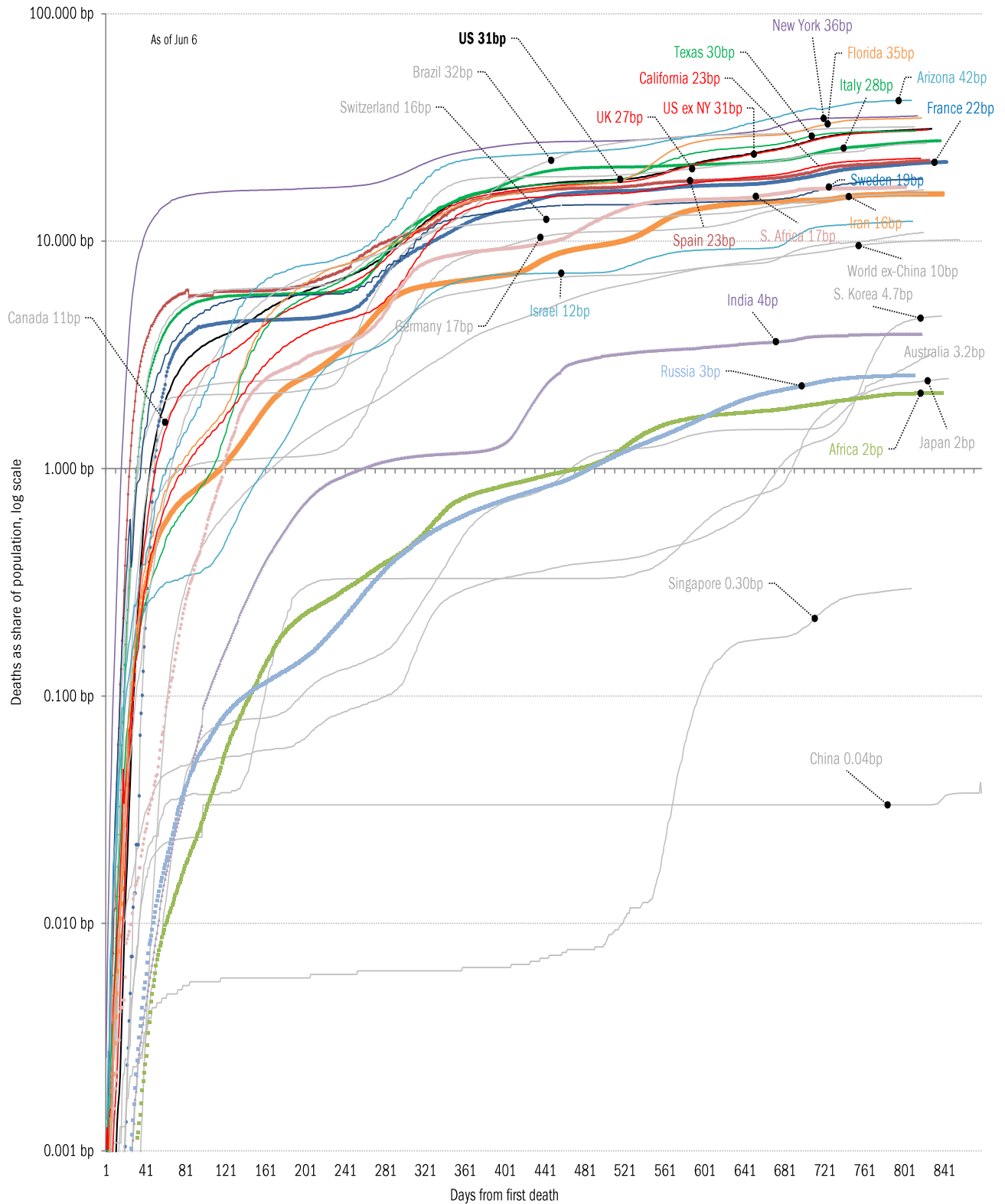
The global coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



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*

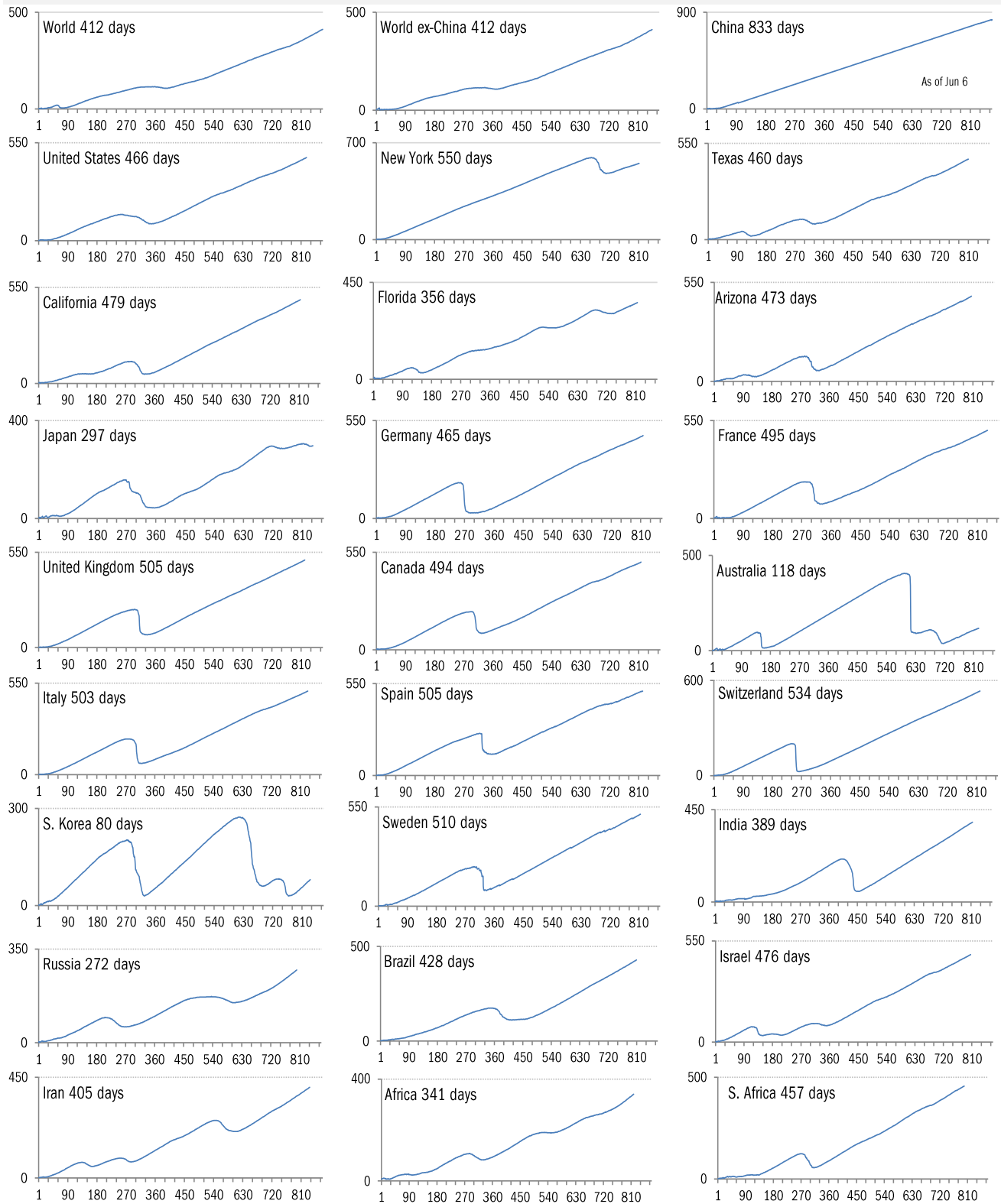


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

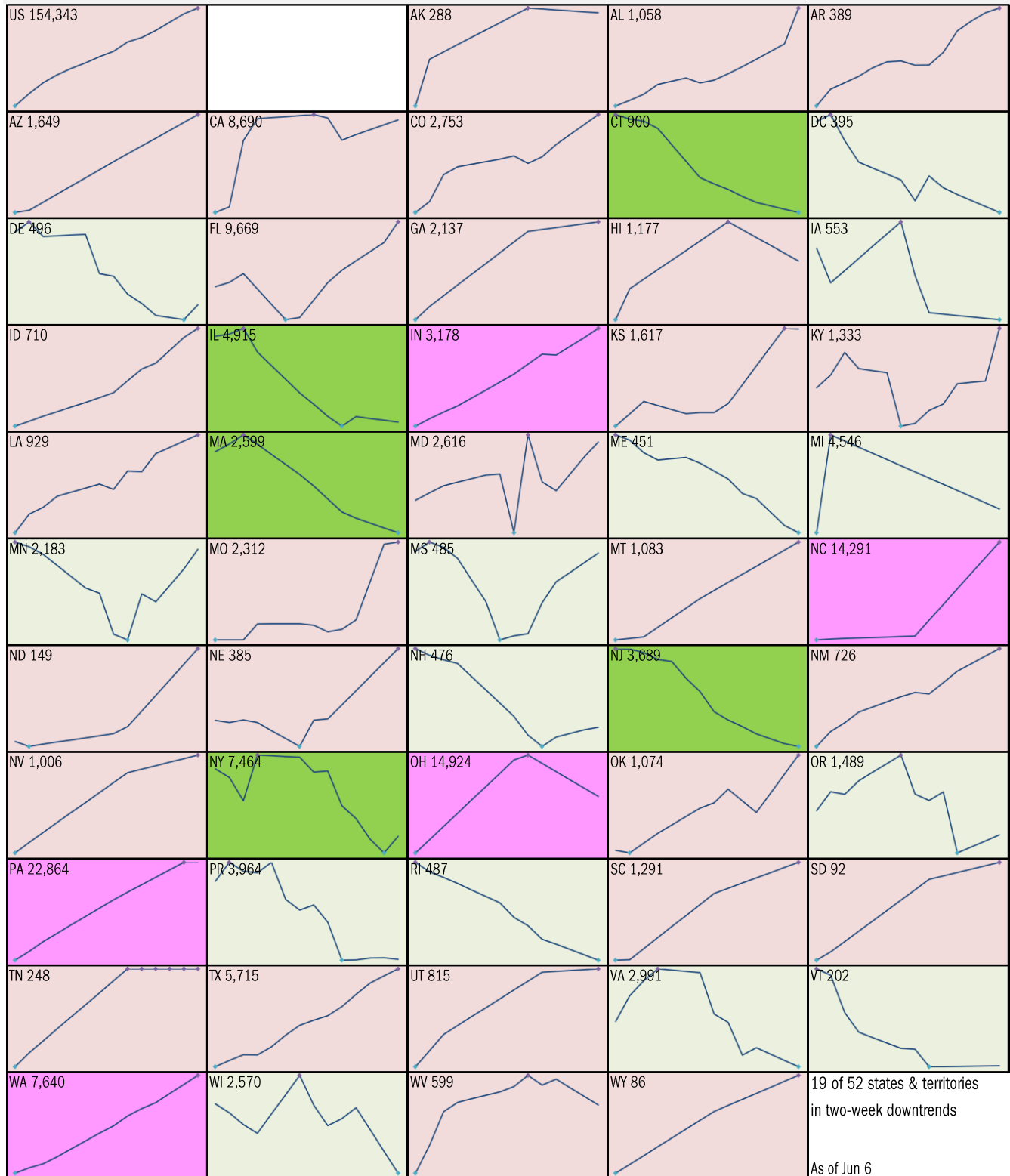


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

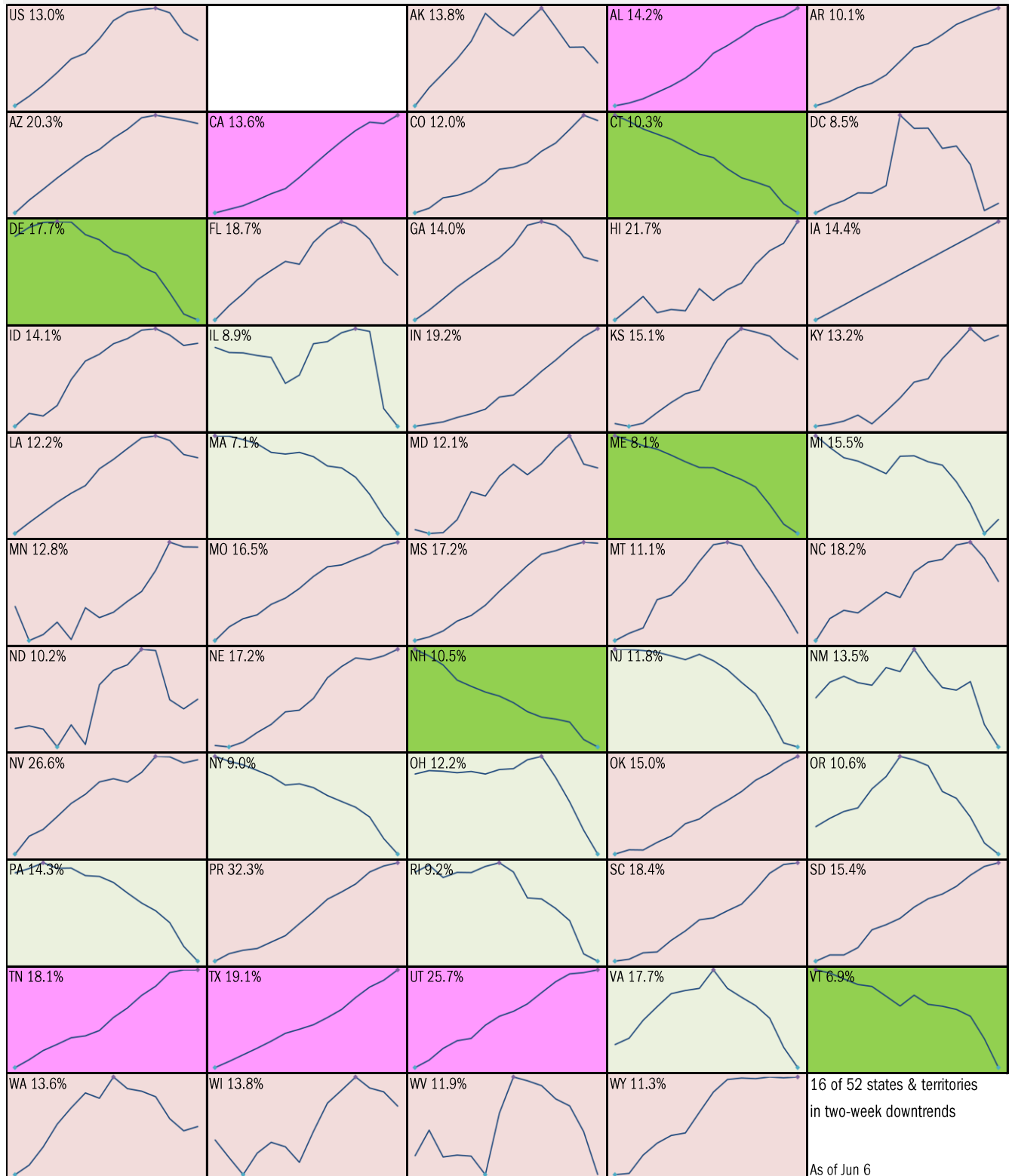


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

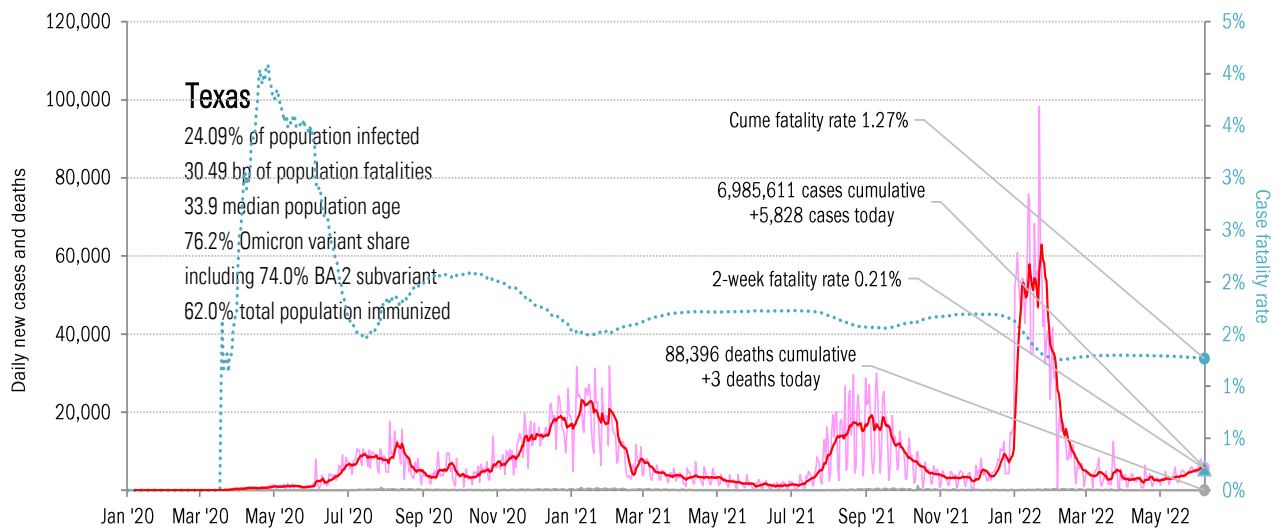
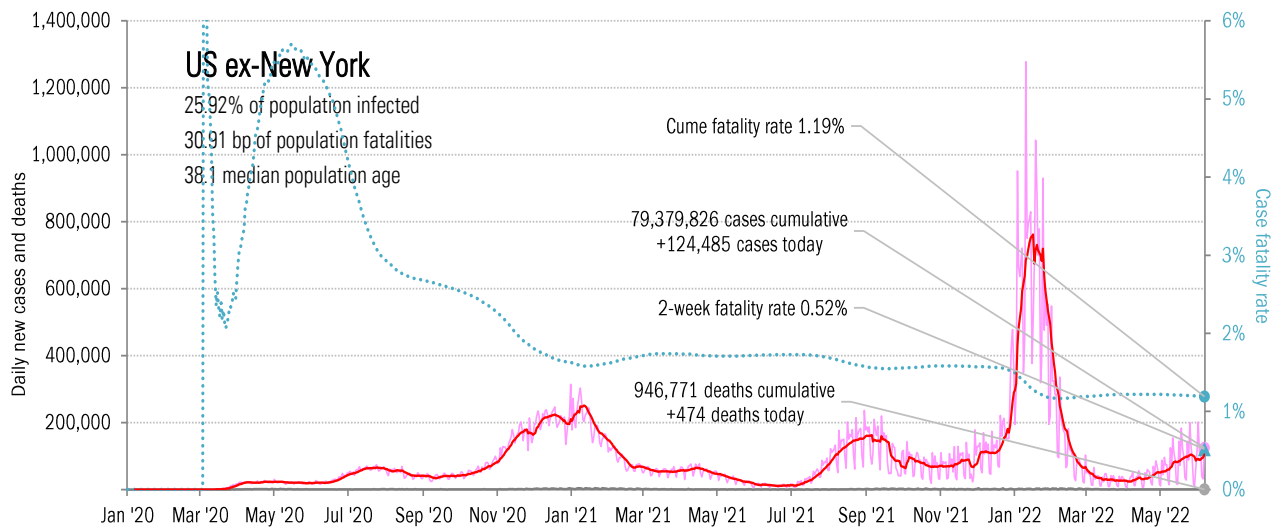
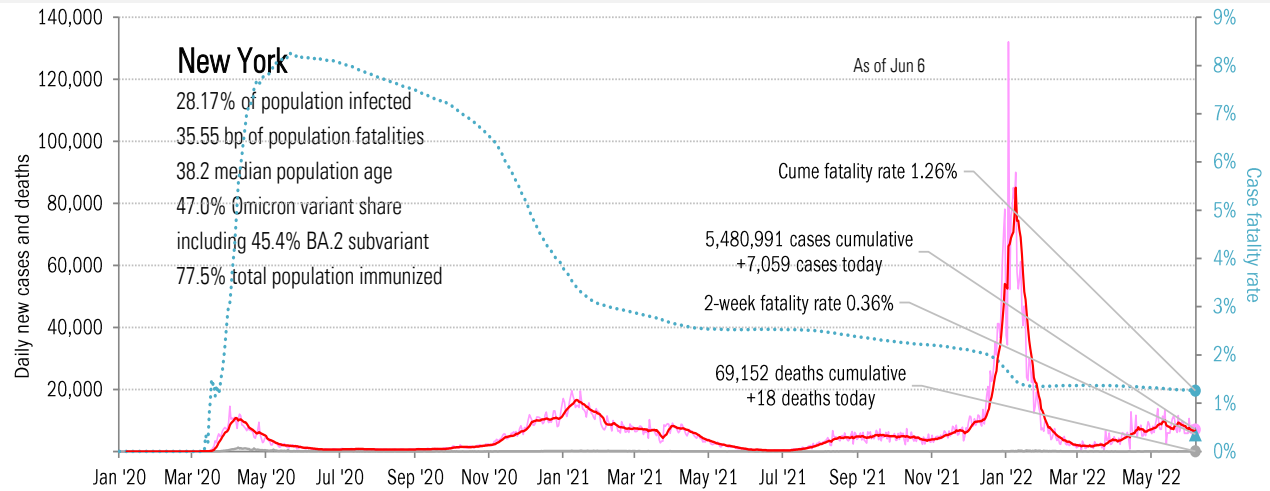
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

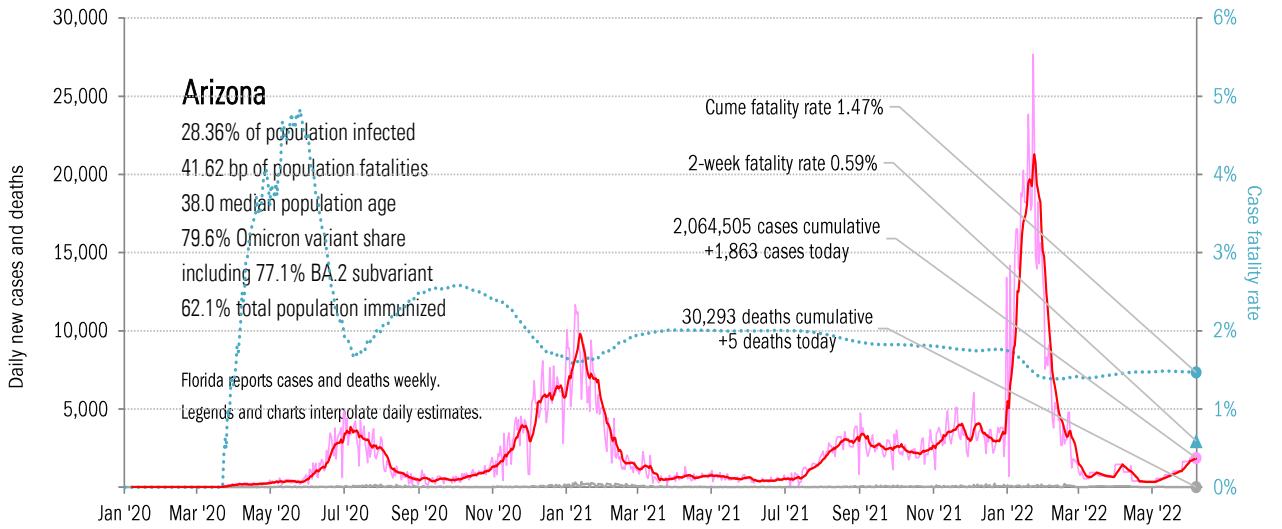
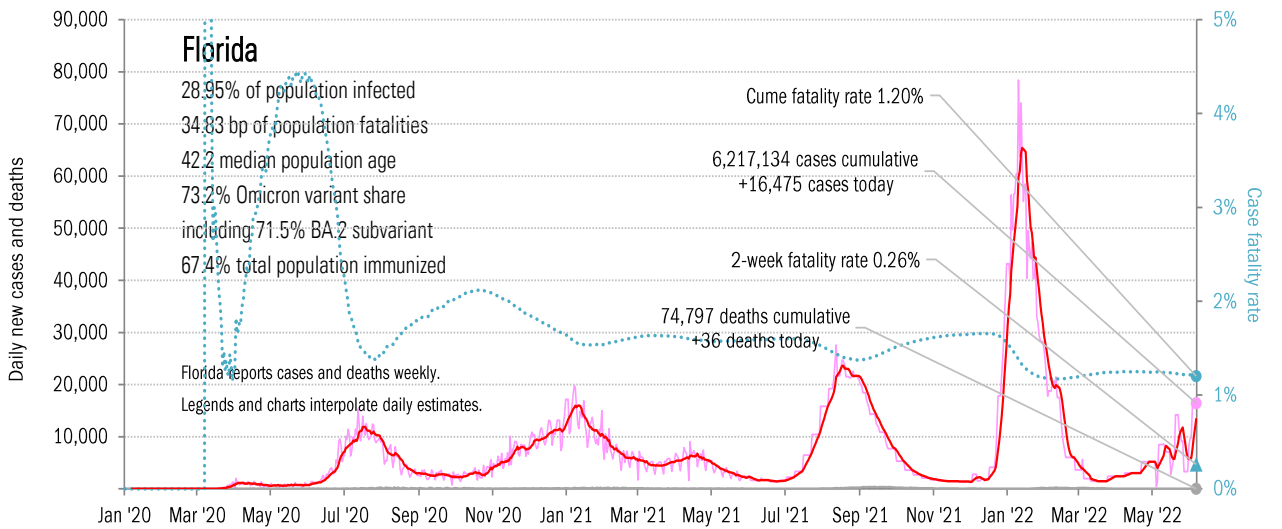
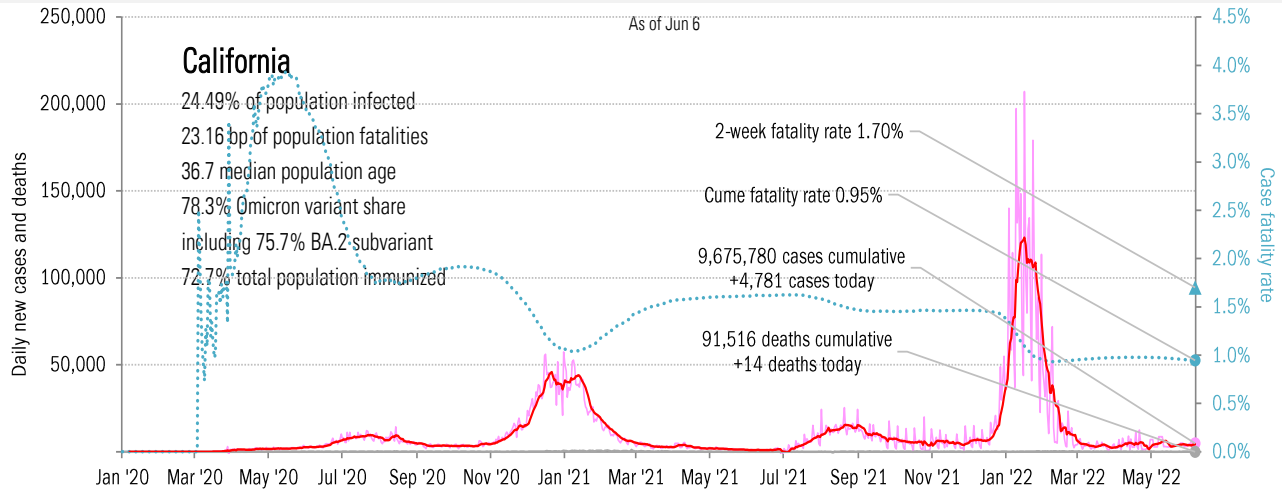
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

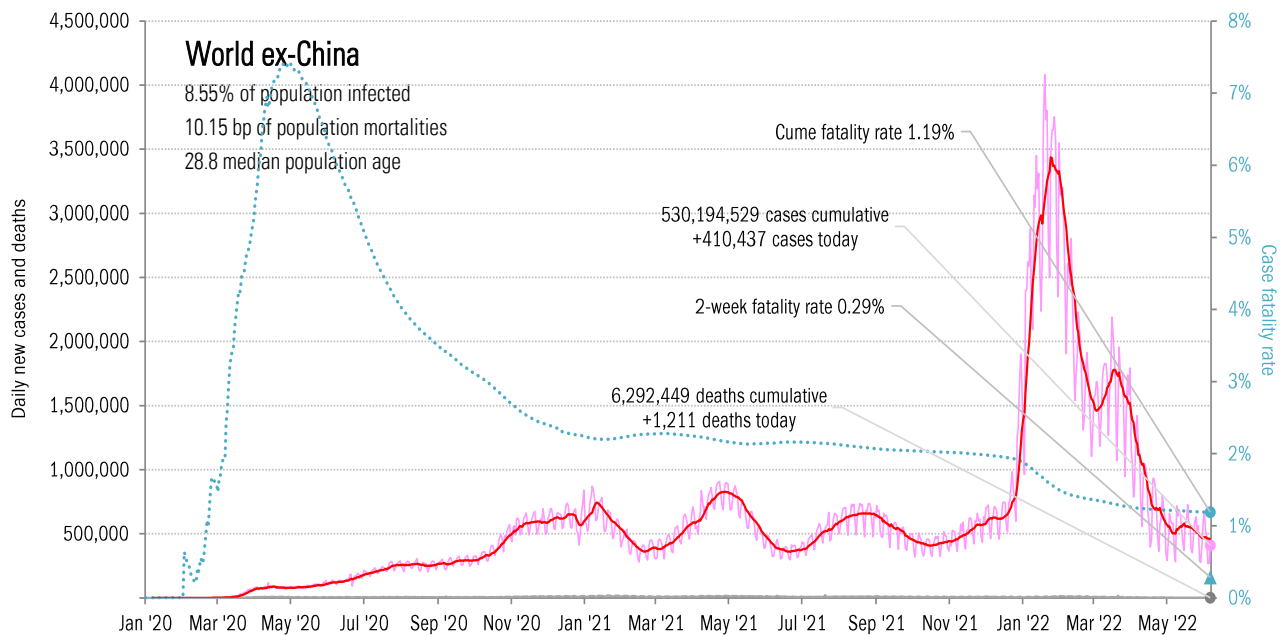
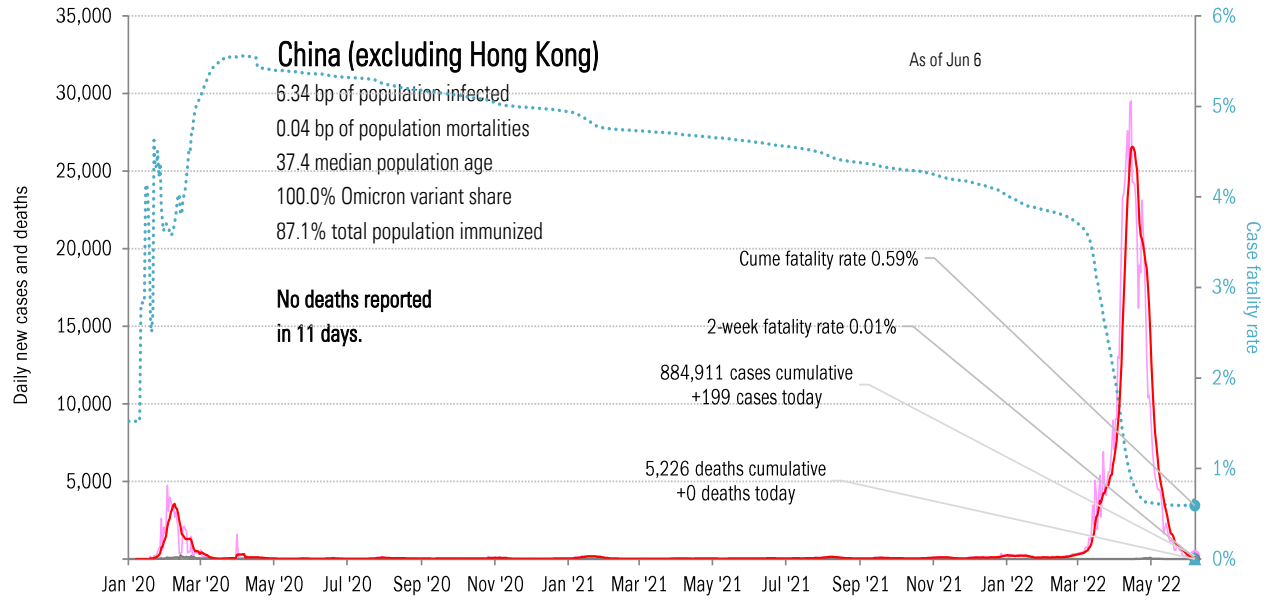
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

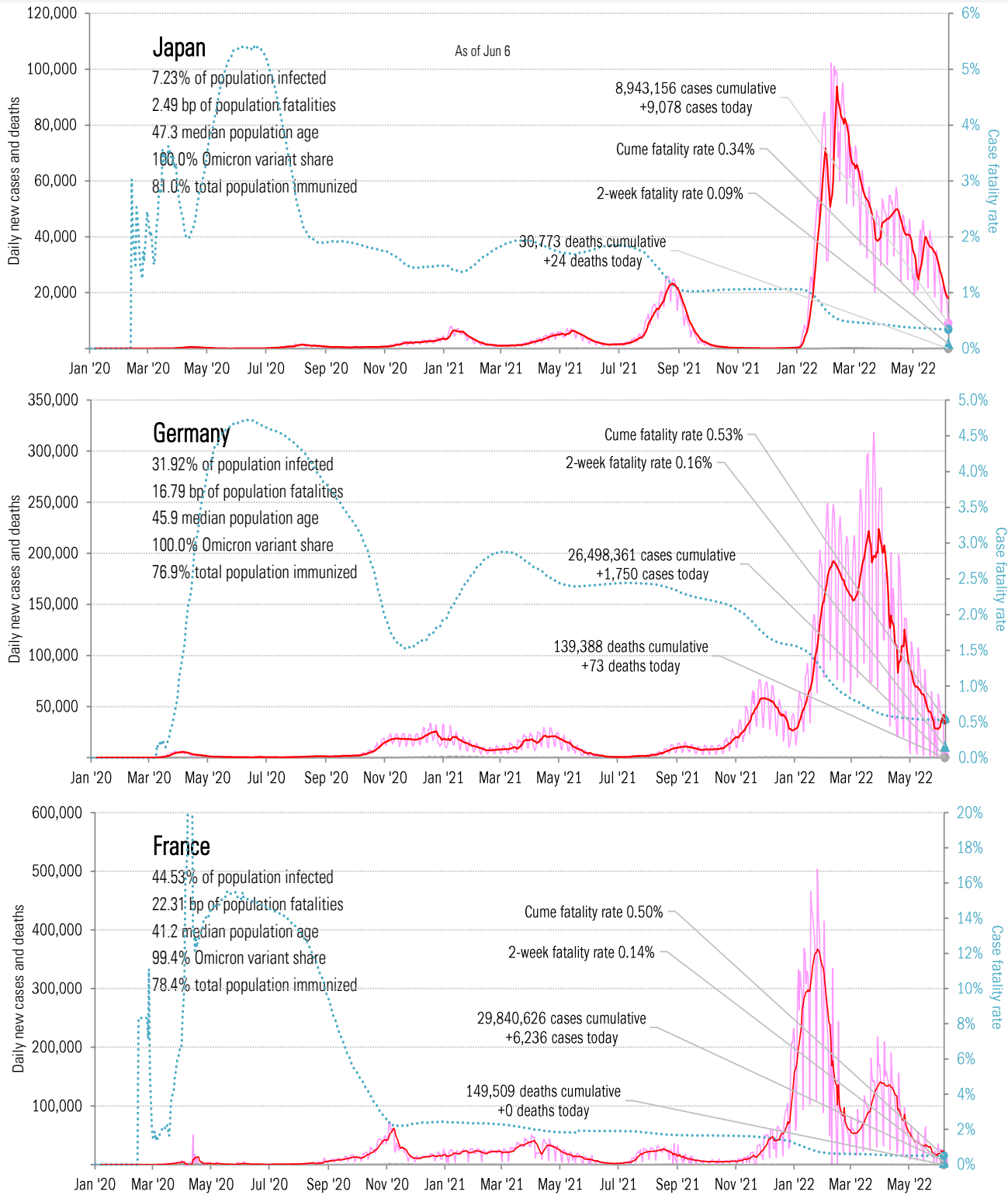
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

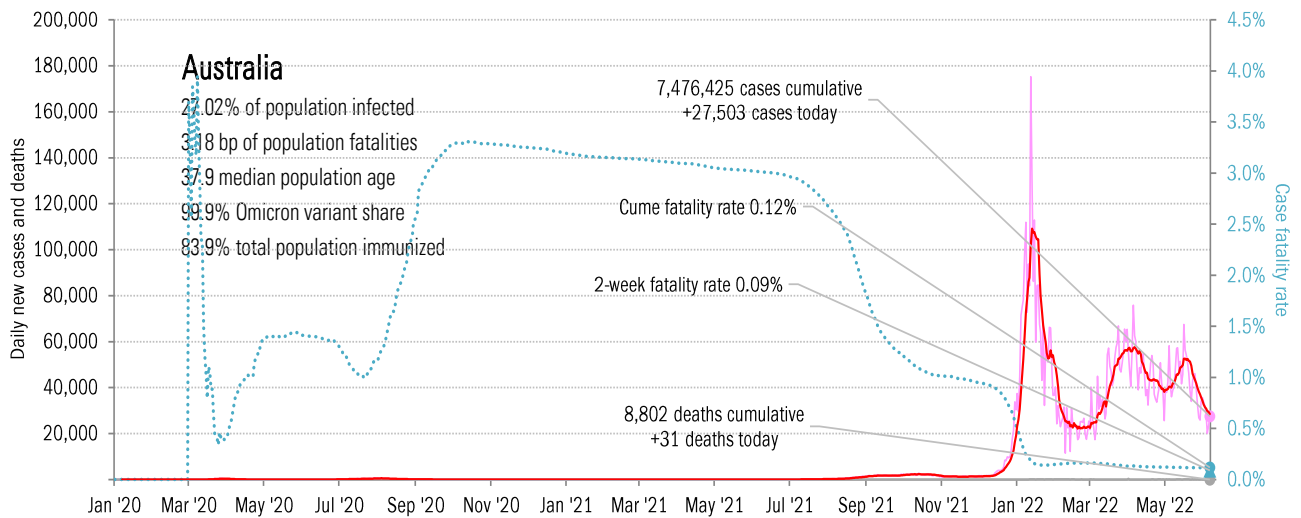
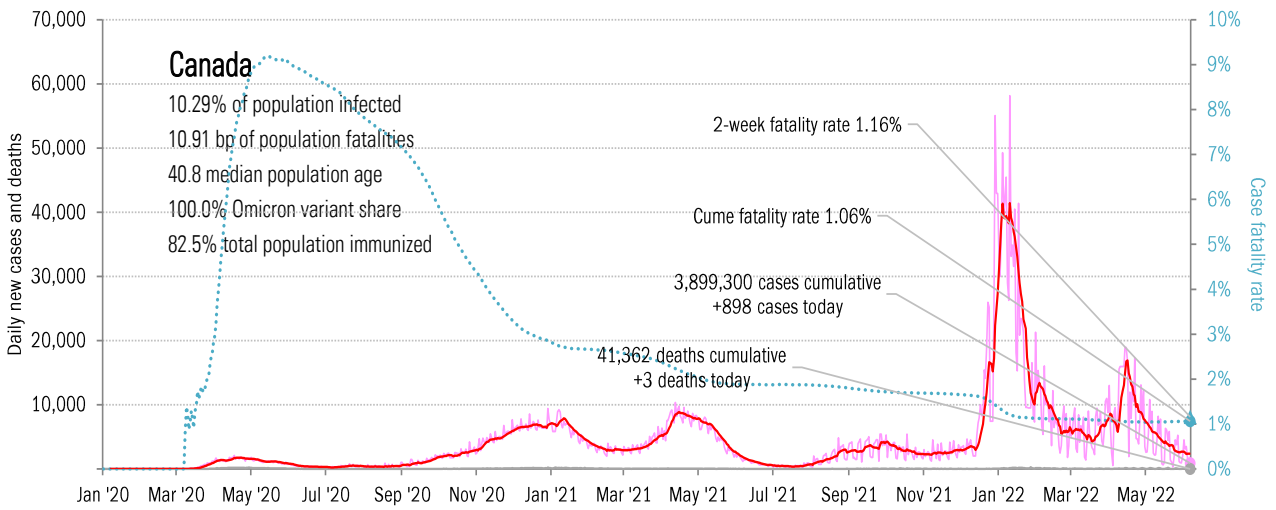
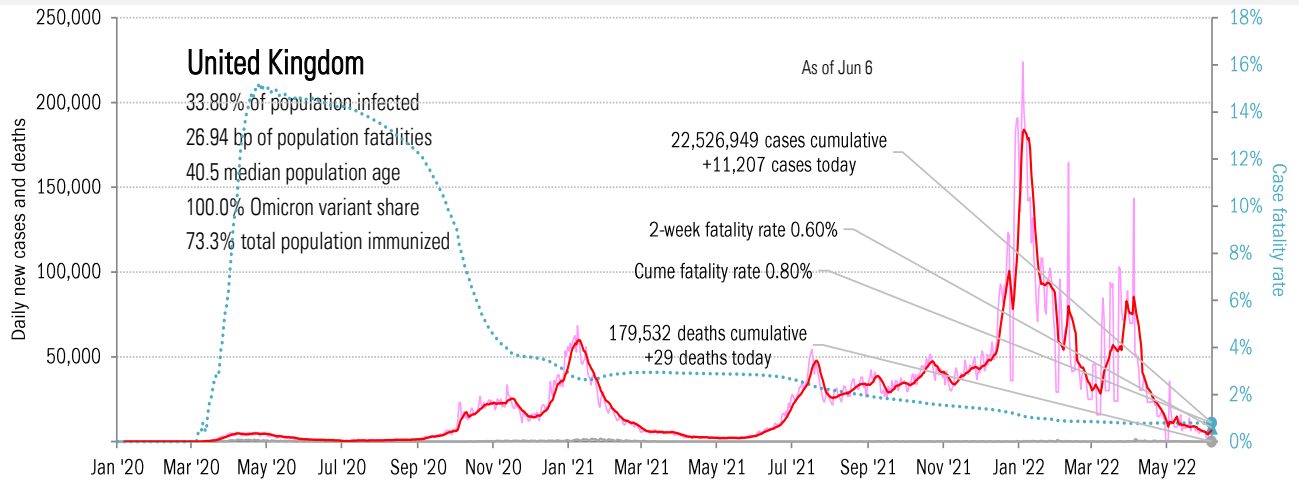


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

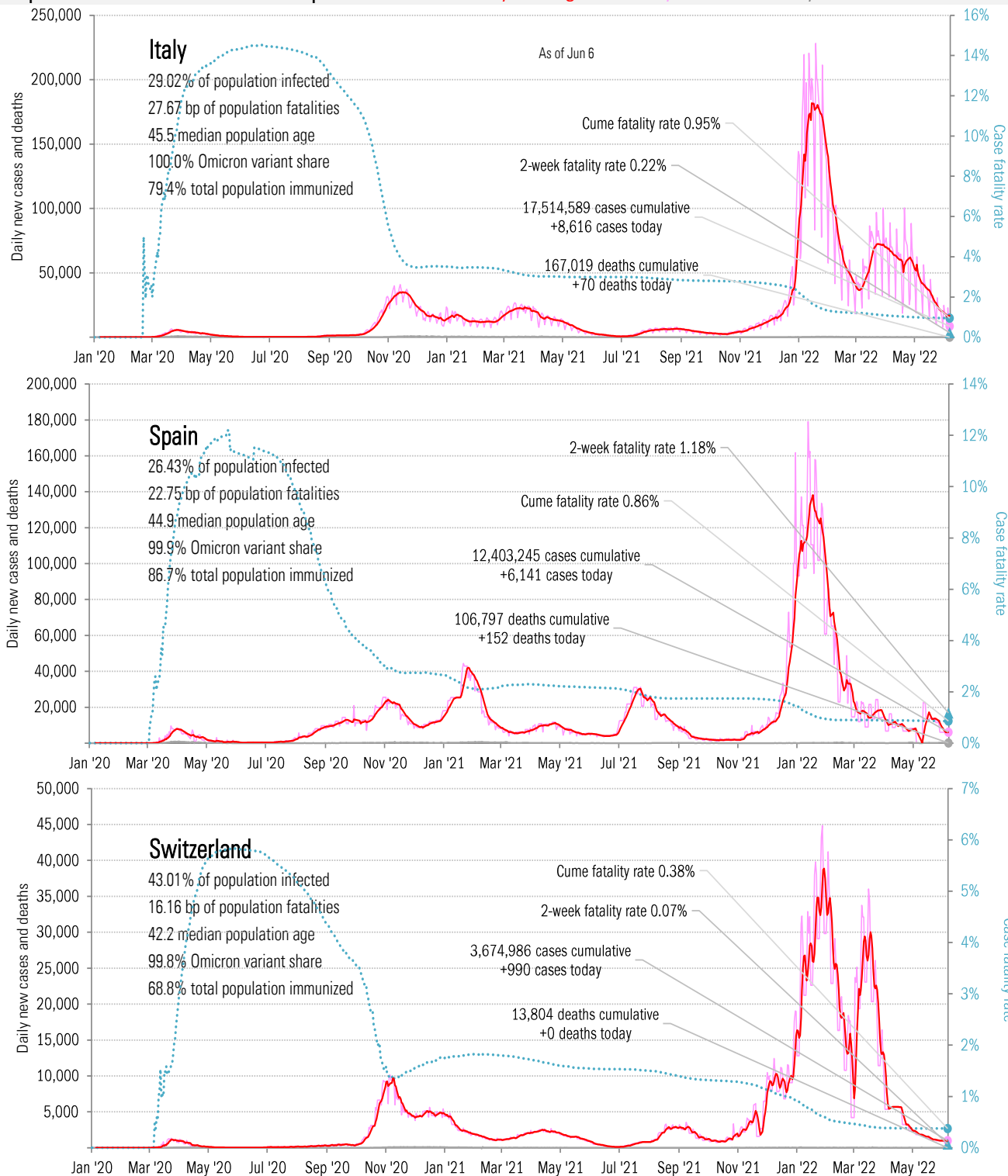
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

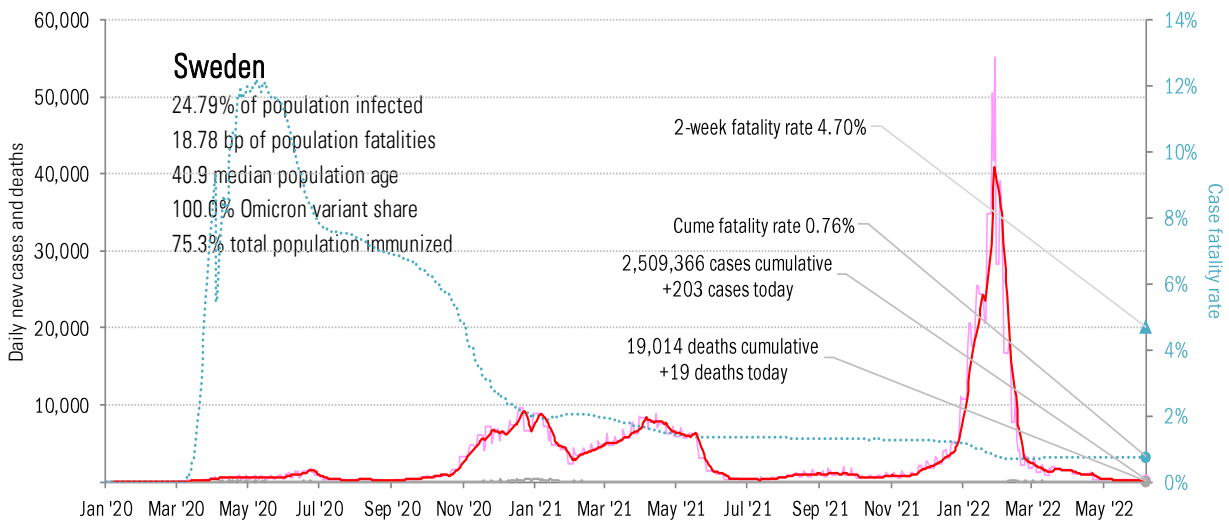
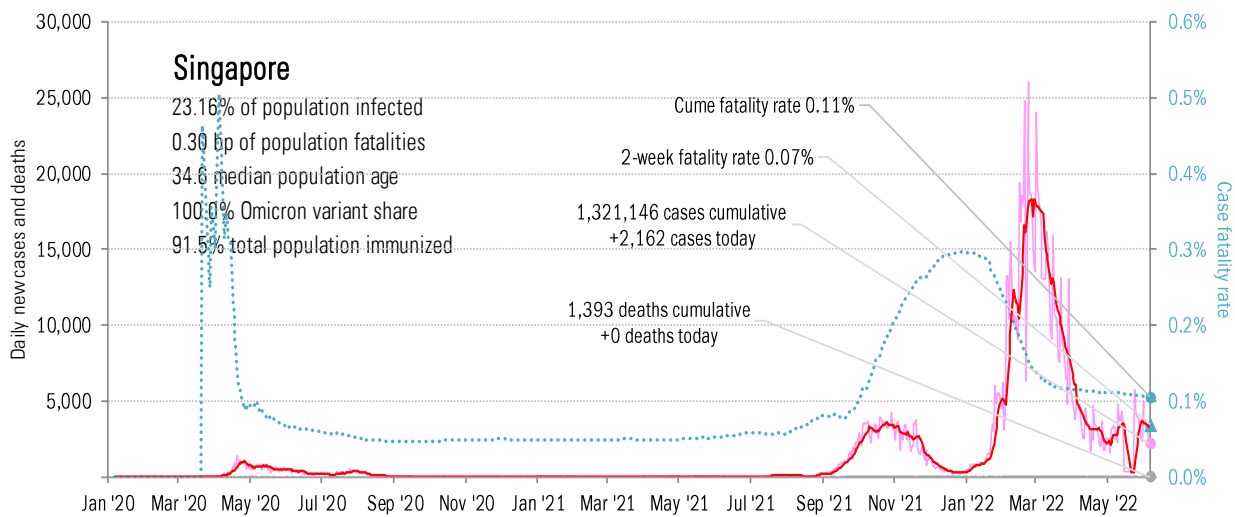
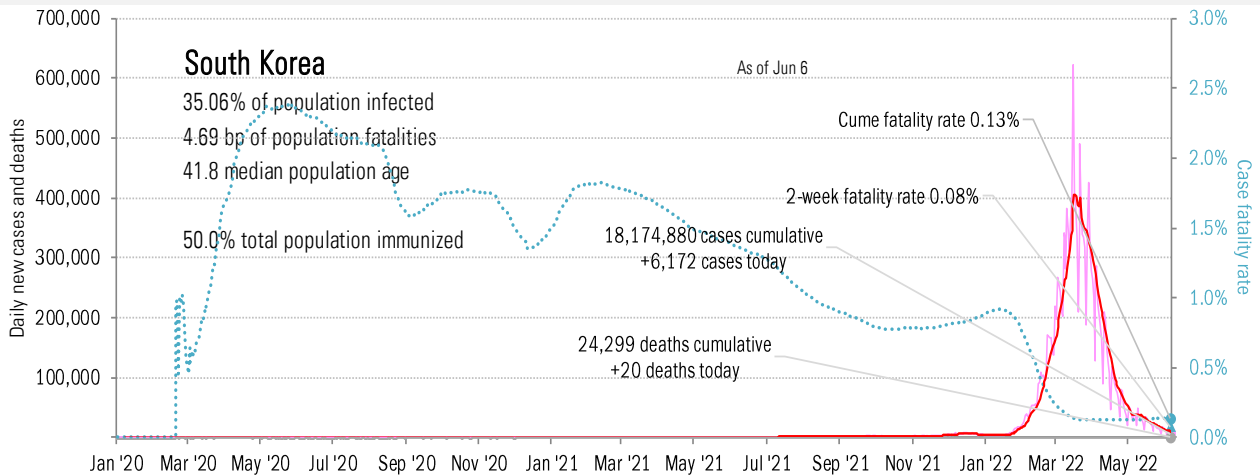
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

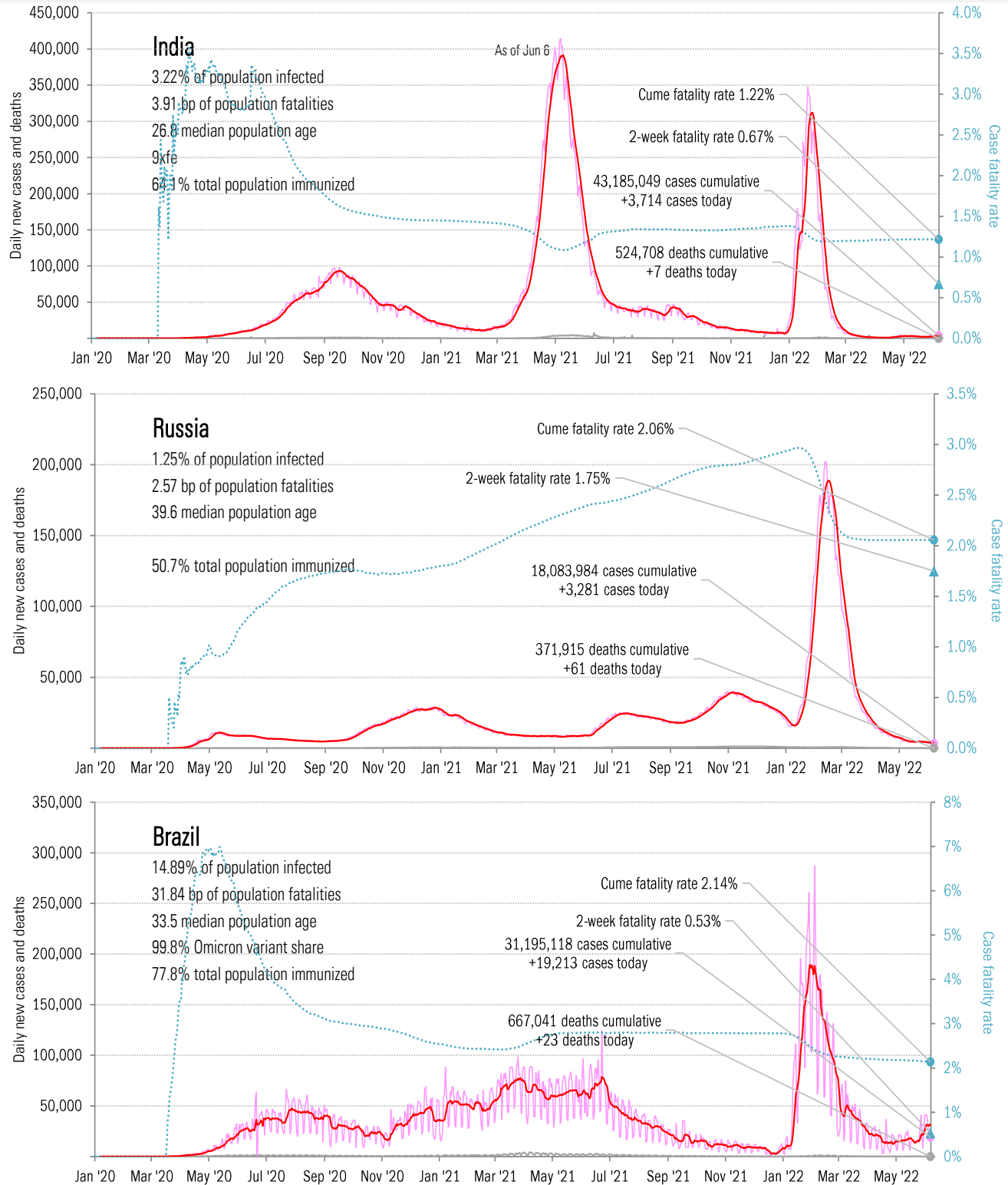
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

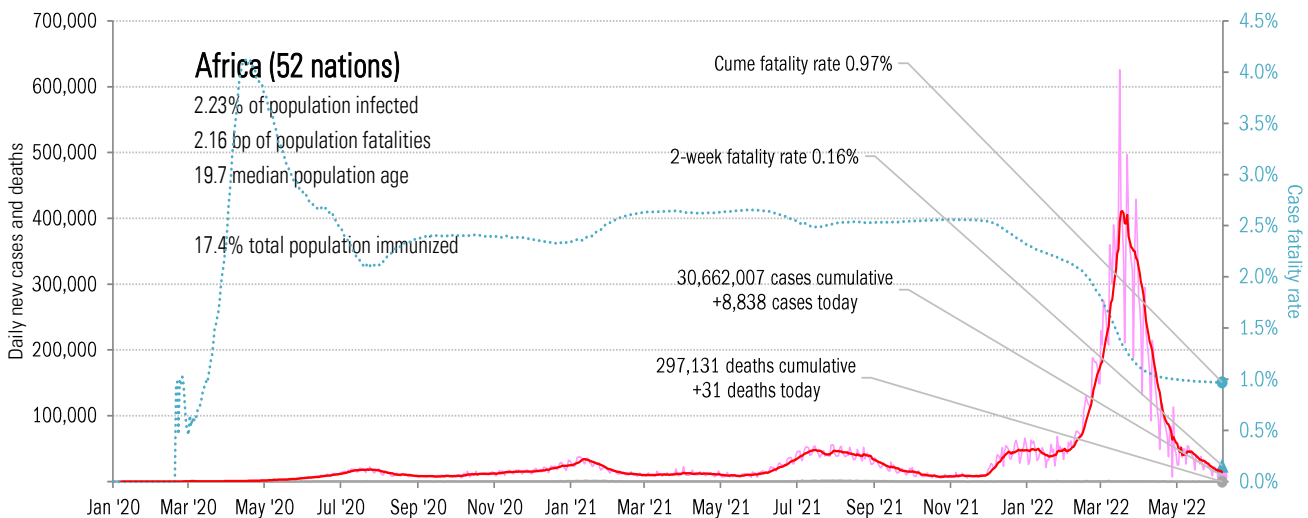
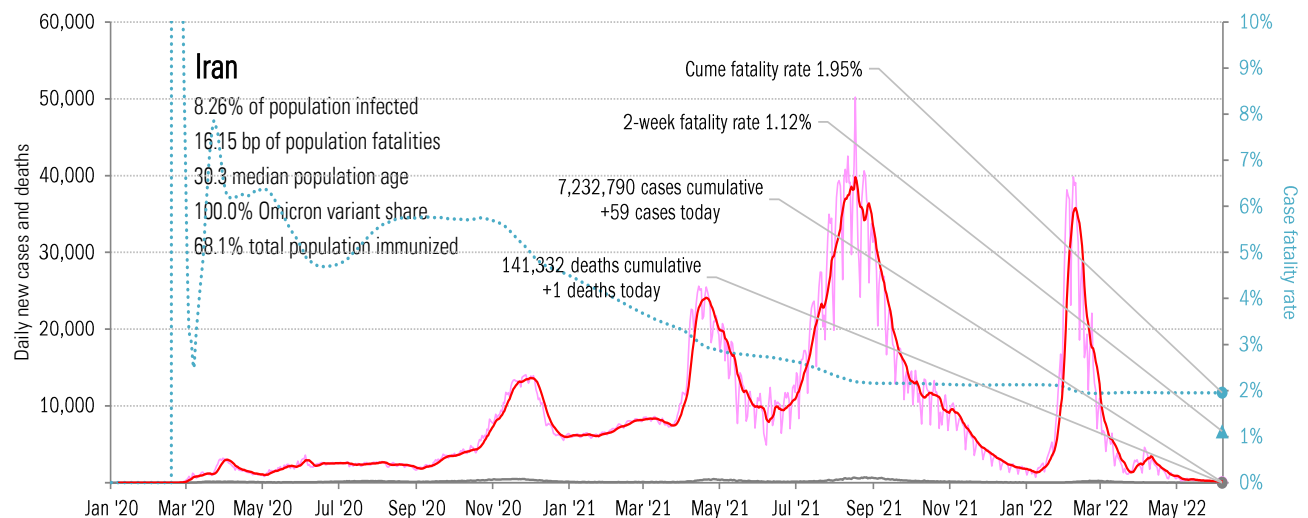
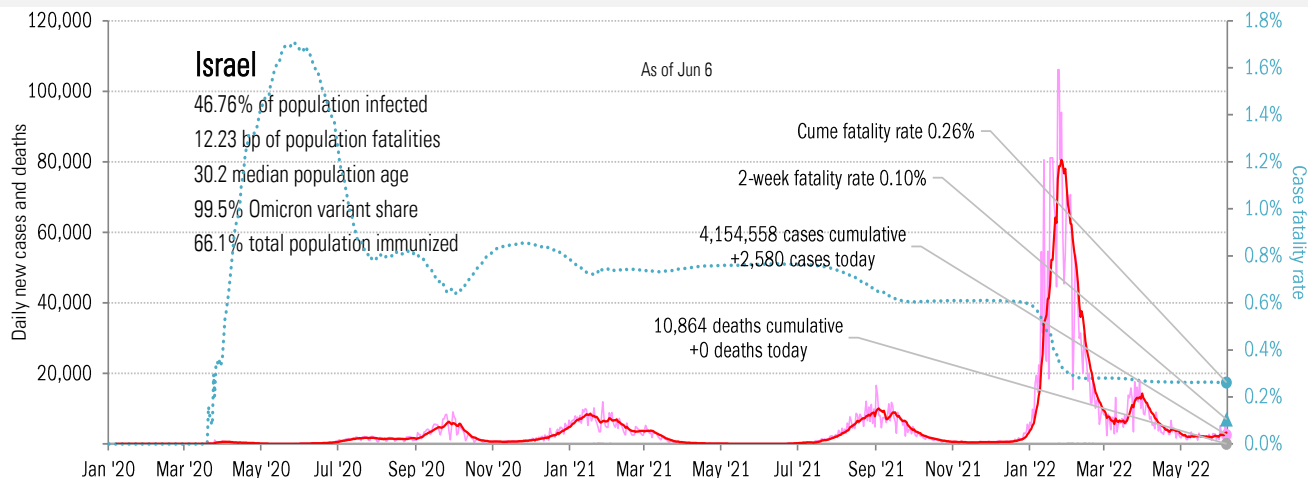
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

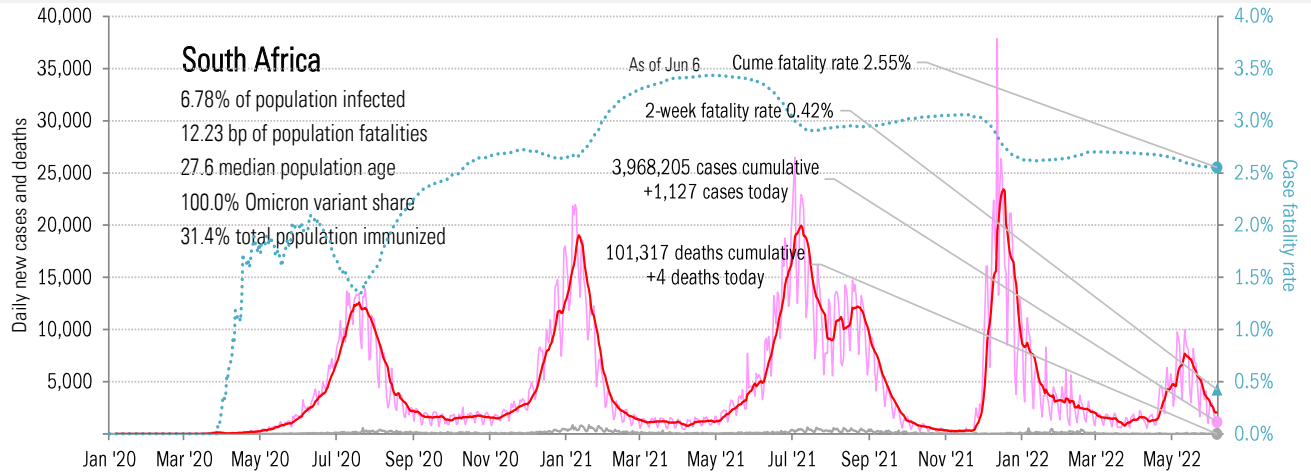
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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