

## Data Insights: Covid-2019 Monitor

Wednesday, August 24, 2022

### The global scorecard

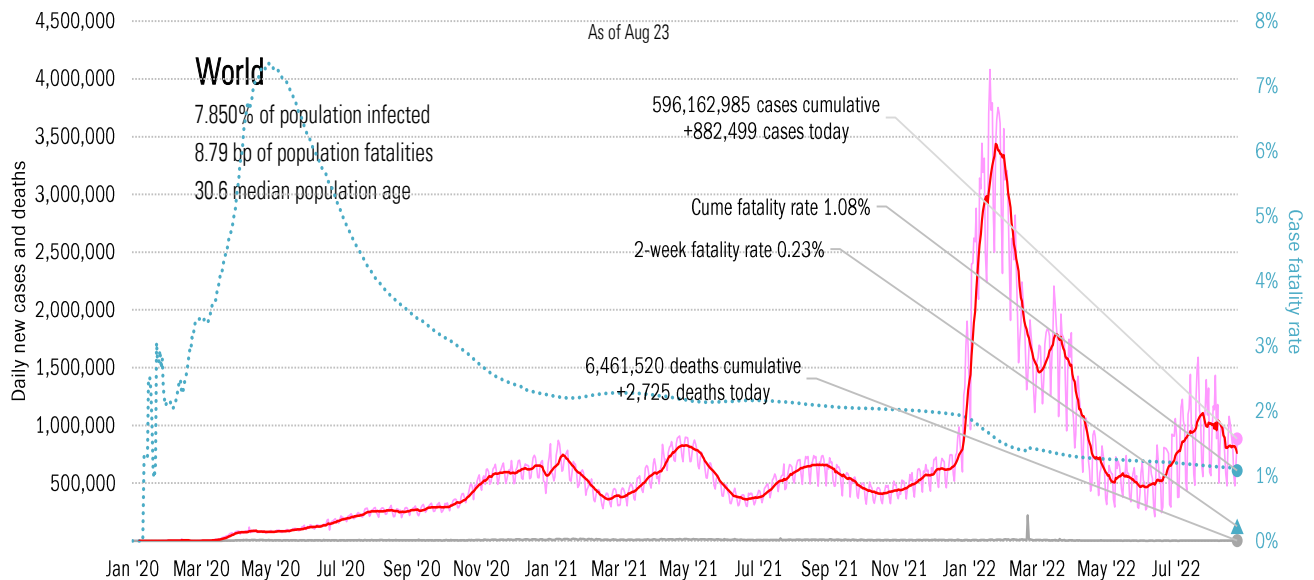
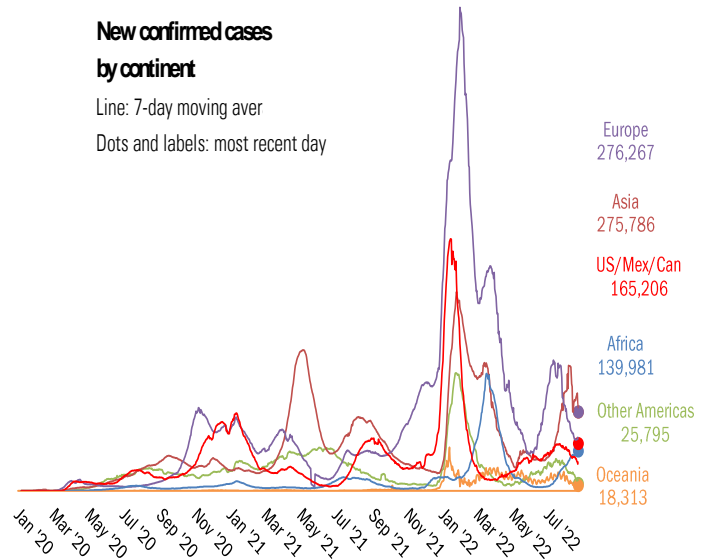
Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
Japan	208,451	United States	650
Korea, South	139,165	Japan	343
United States	115,428	Greece	307
Greece	57,288	Mexico	303
Germany	52,939	Germany	147
Mexico	36,675	Italy	134
Italy	35,357	Spain	118
Russia	30,427	France	88
France	29,408	Russia	67
Taiwan*	26,343	Korea, South	63
<b>731,481</b>		<b>2,220</b>	
World	882,499	World	2,725
Top ten	83%	Top ten	81%

#### 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:

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

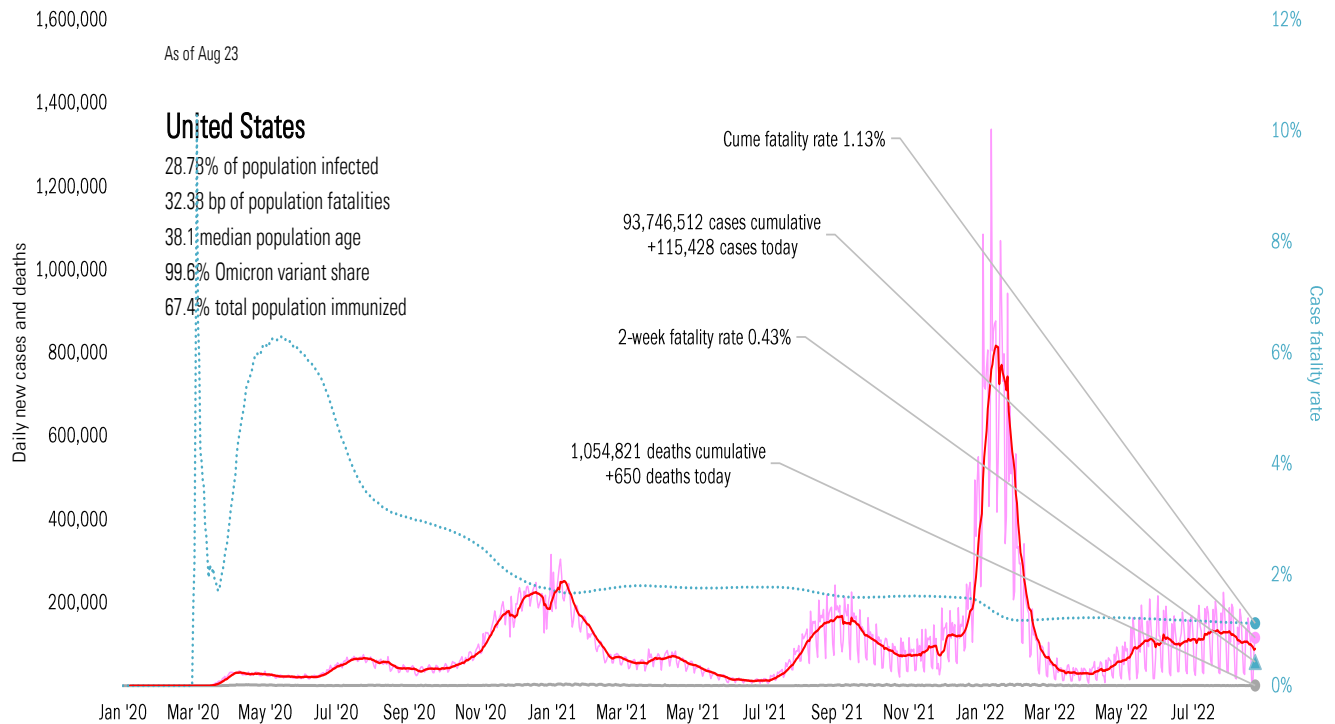
## The ten worst US states

New cases			New deaths			New in hospital			Cume cases			Cume deaths			Cume in hospital			Hospital use		ICU use	
CA	27,886		CA	114		CH	223		CA	11,018,223	CA	94,590	TX	533,303		RI	87%	AL	82%		
TX	6,869		FL	71		PA	229		TX	7,784,774	TX	90,065	CA	484,723		MA	84%	NM	80%		
FL	6,488		NY	56		CR	58		FL	6,966,470	FL	79,223	FL	479,231		WA	84%	WA	80%		
NY	6,232		TX	28		WA	72		NY	5,953,690	NY	70,938	NY	288,745		GA	83%	TX	80%		
TN	4,436		VA	24		AK	12		IL	3,657,772	PA	46,514	GA	220,691		DE	82%	NC	80%		
NC	3,906		GA	22		SD	22		PA	3,151,539	GA	39,472	CH	210,982		MN	81%	AK	79%		
IL	3,825		LA	21		VT	12		NC	3,074,964	CH	39,310	PA	197,146		MO	81%	GA	78%		
GA	3,681		OK	21		ID	22		CH	3,026,110	IL	39,219	IL	180,145		MD	80%	MA	78%		
CH	3,438		IL	20		MD	79		GA	2,829,283	MI	37,909	MI	156,994		AK	80%	VT	76%		
IN	3,426		PA	20		ME	16		MI	2,751,201	NJ	34,480	KY	141,417		HI	80%	NE	75%		
70,187			396			745			50,214,026			571,720			2,893,377						
All states	115,428			650			4,714		All states	93,746,512			1,054,821			5,249,007		All states	70%		67%
Top ten	61%			61%			16%		Top ten	54%			55%			55%		Median	73%		70%

Some states not reporting

## Five most improved US states

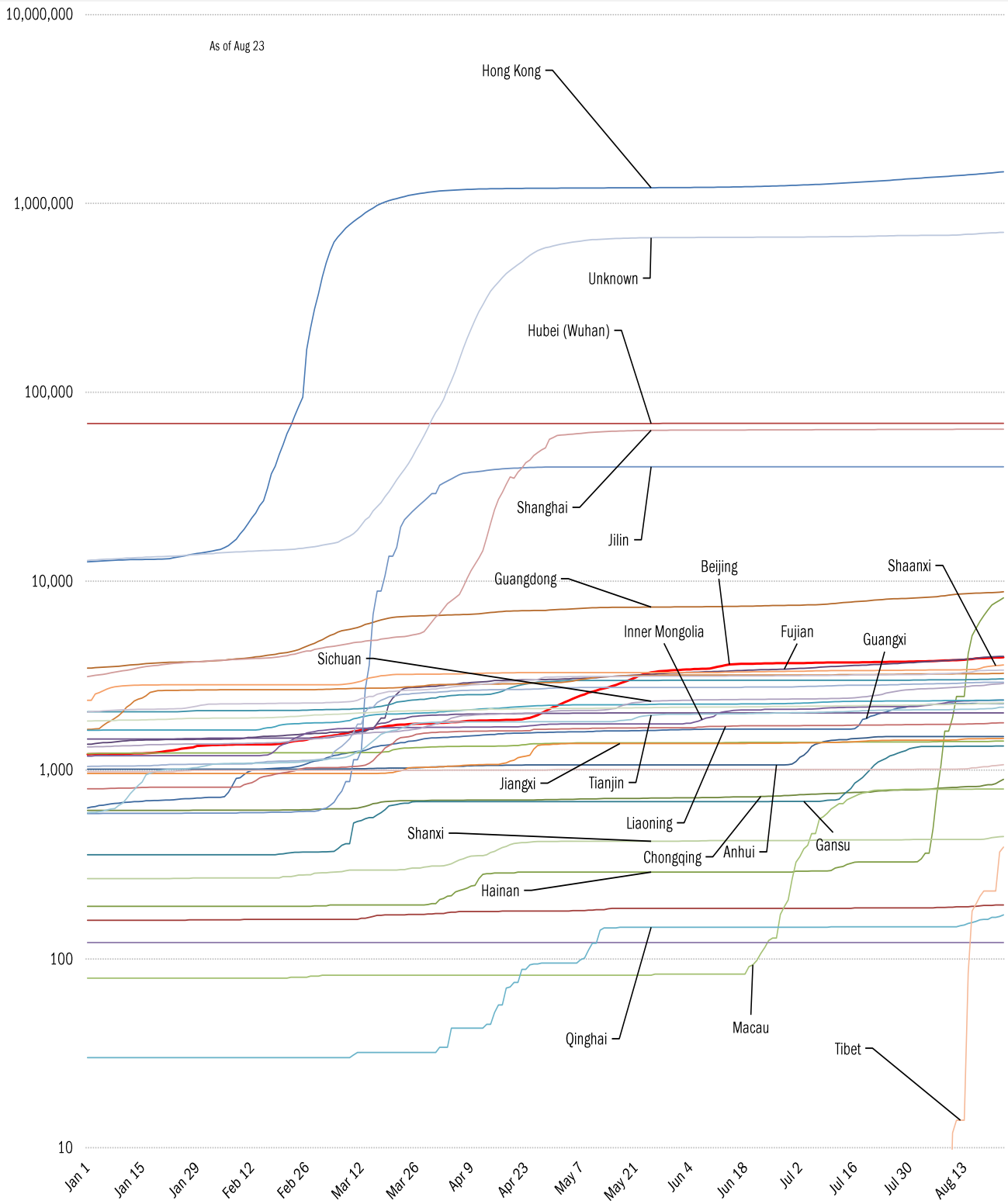
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations	
MO	-1,087	TX	-19	TX	-110
KY	-703	WV	-15	MI	-80
IA	-245	CO	-14	NY	-57
OK	-151	NE	-9	NJ	-55
NH	-71	NM	-5	MN	-49



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"*

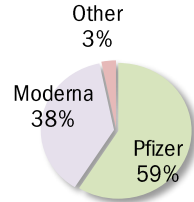


Source: [Johns Hopkins](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative		Today		Immunity	Full	Partial	
Doses	622,906,809		+0.209 million		US	67.4%	79.0%	
of which boosters	110,327,935		+0.051 million		UK	75.2%	79.9%	
	One dose	% Pop	Immune	% pop	New immune today	France	78.6%	80.9%
Total population	270,471,978	81%	230,193,455	69%	+0.034 million	Spain	85.5%	86.9%
Age 12 to 17	18,095,150	72%	15,459,413	61%	+0.003 million	Germany	76.0%	77.6%
Age 18 to 64	180,661,461	89%	153,482,893	75%	+0.015 million	Italy	81.0%	85.8%
Age 65 and over	59,665,647	100%	52,194,513	95%	+0.005 million	Australia	83.9%	86.5%
						Israel	66.2%	72.3%
						Canada	82.6%	86.3%
						Japan	82.3%	83.5%
						Africa	21.8%	27.9%
						India	66.7%	72.7%
						Brazil	79.9%	86.8%
						China	89.0%	91.3%



<b>AK</b>
71.3%
63.2%

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

"Immunity" = two doses

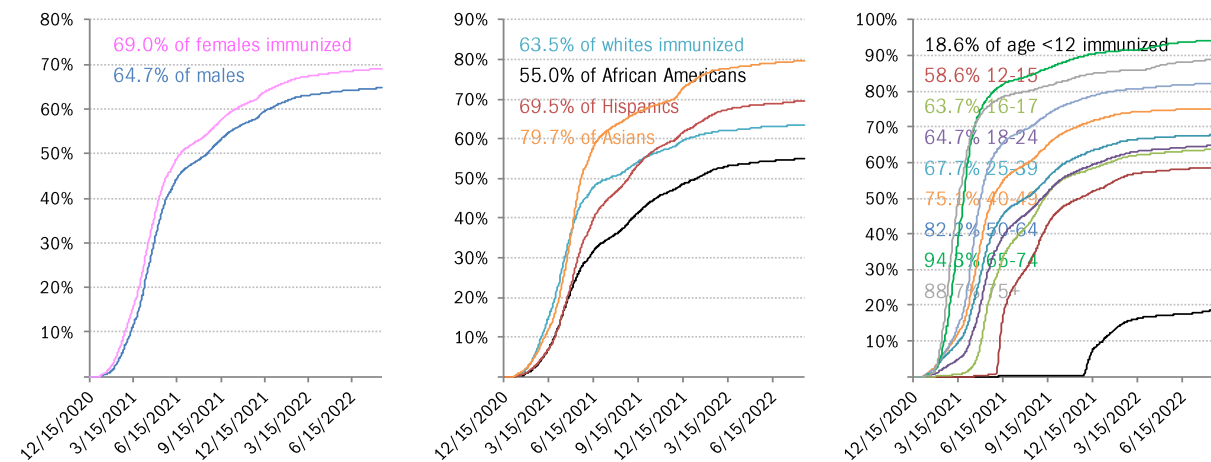
Best
Middle
Worst

Global data differs due to sources, timing

As of Aug 18

					<b>WI</b>							<b>ME</b>
					73.1%							93.0%
					66.5%							81.1%
<b>WA</b>	<b>ID</b>	<b>MT</b>	<b>ND</b>	<b>MN</b>	<b>IL</b>	<b>MI</b>			<b>NY</b>	<b>VT</b>	<b>NH</b>	
82.6%	62.3%	66.4%	66.9%	76.6%	77.1%	67.9%			91.8%	95.0%	90.5%	
73.6%	55.1%	57.8%	56.6%	70.2%	69.5%	61.0%			78.3%	82.6%	72.2%	
<b>OR</b>	<b>NV</b>	<b>WY</b>	<b>SD</b>	<b>IA</b>	<b>IN</b>	<b>OH</b>	<b>PA</b>	<b>NJ</b>	<b>MA</b>			
79.2%	76.8%	59.1%	78.9%	69.0%	63.1%	64.3%	87.3%	92.2%	95.0%			
70.6%	61.9%	51.8%	63.5%	62.8%	56.8%	59.2%	70.4%	77.0%	80.7%			
<b>CA</b>	<b>UT</b>	<b>CO</b>	<b>NE</b>	<b>MO</b>	<b>KY</b>	<b>WV</b>	<b>VA</b>	<b>MD</b>	<b>CT</b>	<b>RI</b>		
83.9%	73.5%	81.2%	71.6%	67.5%	67.3%	66.1%	87.6%	88.7%	95.0%	95.0%		
73.4%	65.3%	71.4%	64.6%	57.2%	58.3%	58.6%	74.4%	77.1%	80.6%	84.6%		
	<b>AZ</b>	<b>NM</b>	<b>KS</b>	<b>AR</b>	<b>TN</b>	<b>NC</b>	<b>SC</b>	<b>DC</b>	<b>DE</b>			
	75.3%	90.2%	74.0%	68.1%	63.2%	87.0%	69.2%	95.0%	85.1%			
	63.0%	72.6%	63.2%	55.5%	55.3%	63.3%	58.2%	78.5%	70.7%			
			<b>OK</b>	<b>LA</b>	<b>MS</b>	<b>AL</b>	<b>GA</b>					
			72.5%	62.0%	60.8%	63.8%	66.6%					
			58.5%	54.3%	52.9%	52.1%	55.8%					
			<b>TX</b>									
			74.3%									
			61.6%									
									<b>FL</b>			
									80.8%			
									68.1%			
										<b>PR</b>		
										95.0%		
										84.1%		

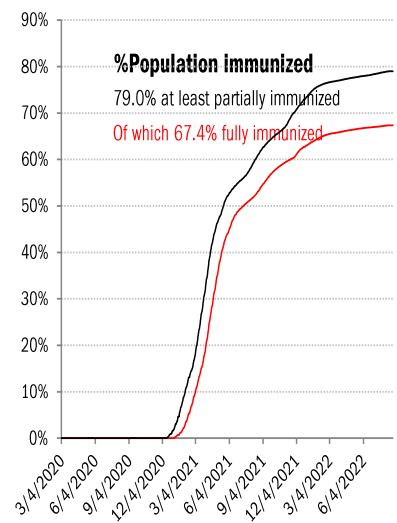
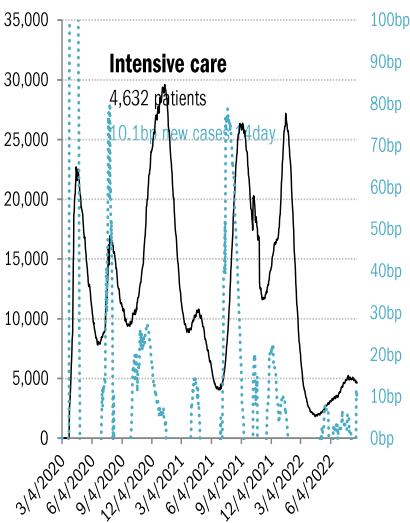
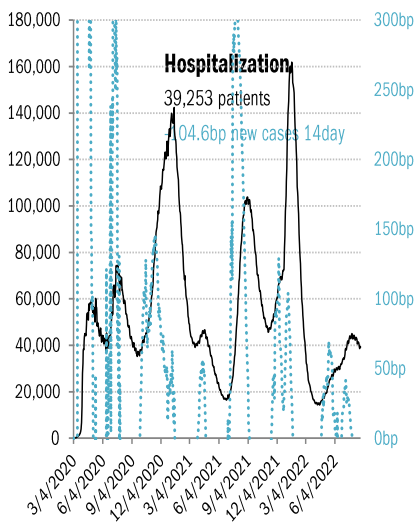
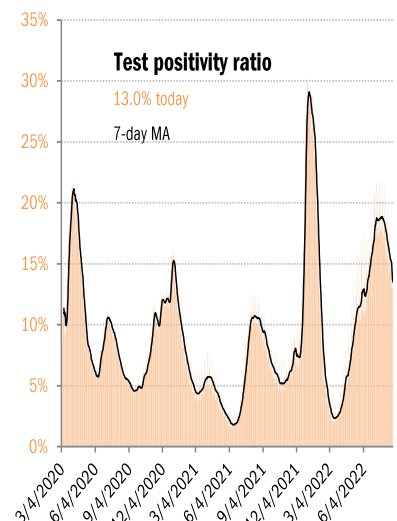
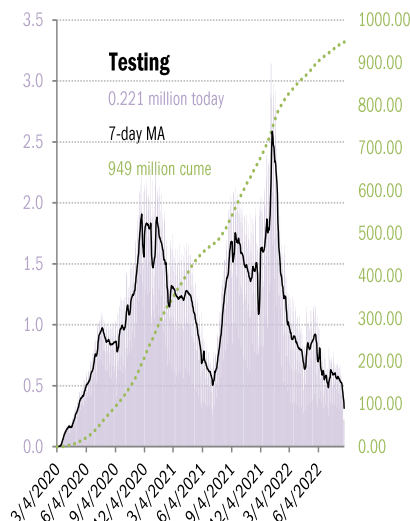
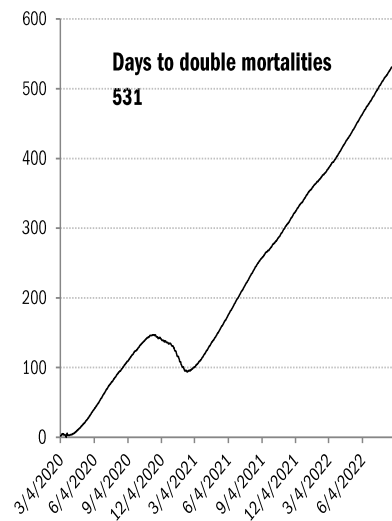
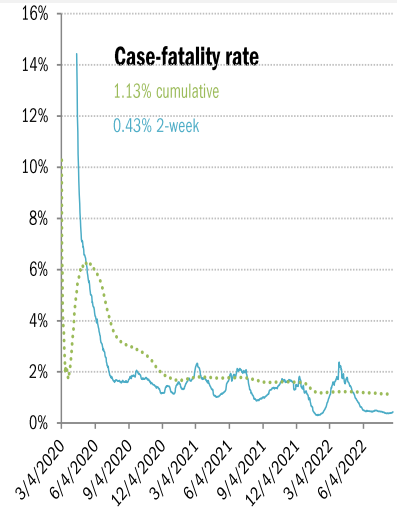
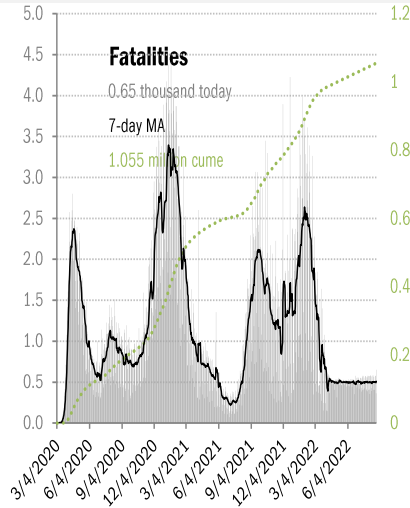
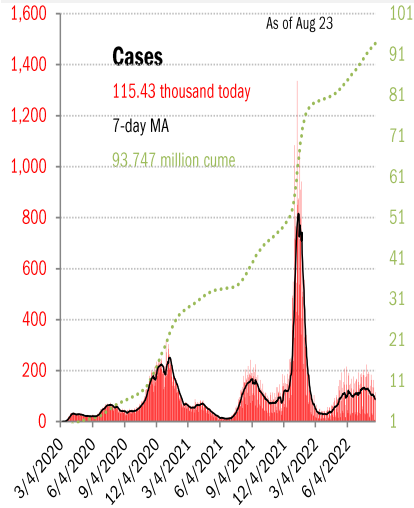
## The demographics of US vaccination



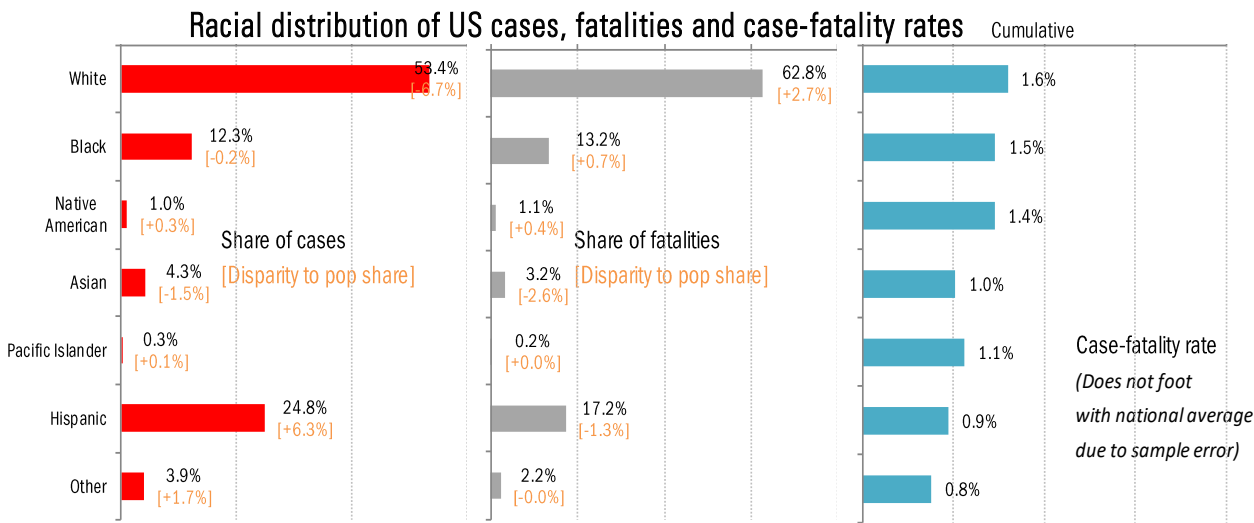
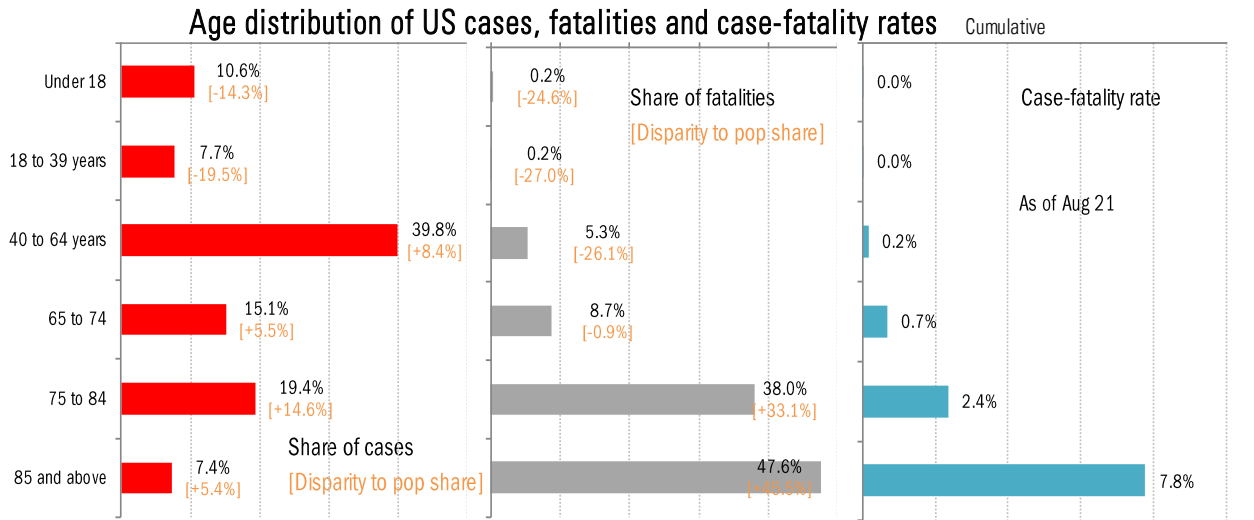
Source: CDC, CDC, Our World in Data, TrendMacro calculations

# US deep-dive

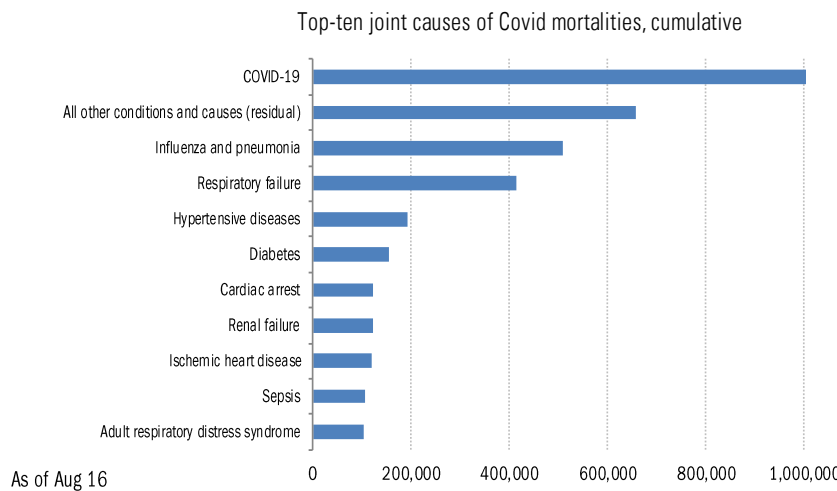
National and state-by-state data do not line up because of different sources



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



### Comorbidities



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

[Covid-19 Booster Campaign Is Expected to Launch Next Month](#)

Stephanie Armour  
*Wall Street Journal*  
August 23, 2022

[Silent crisis of soaring excess deaths gripping Britain is only tip of the iceberg](#)

Sarah Knapton  
*The Telegraph*  
August 18, 2022

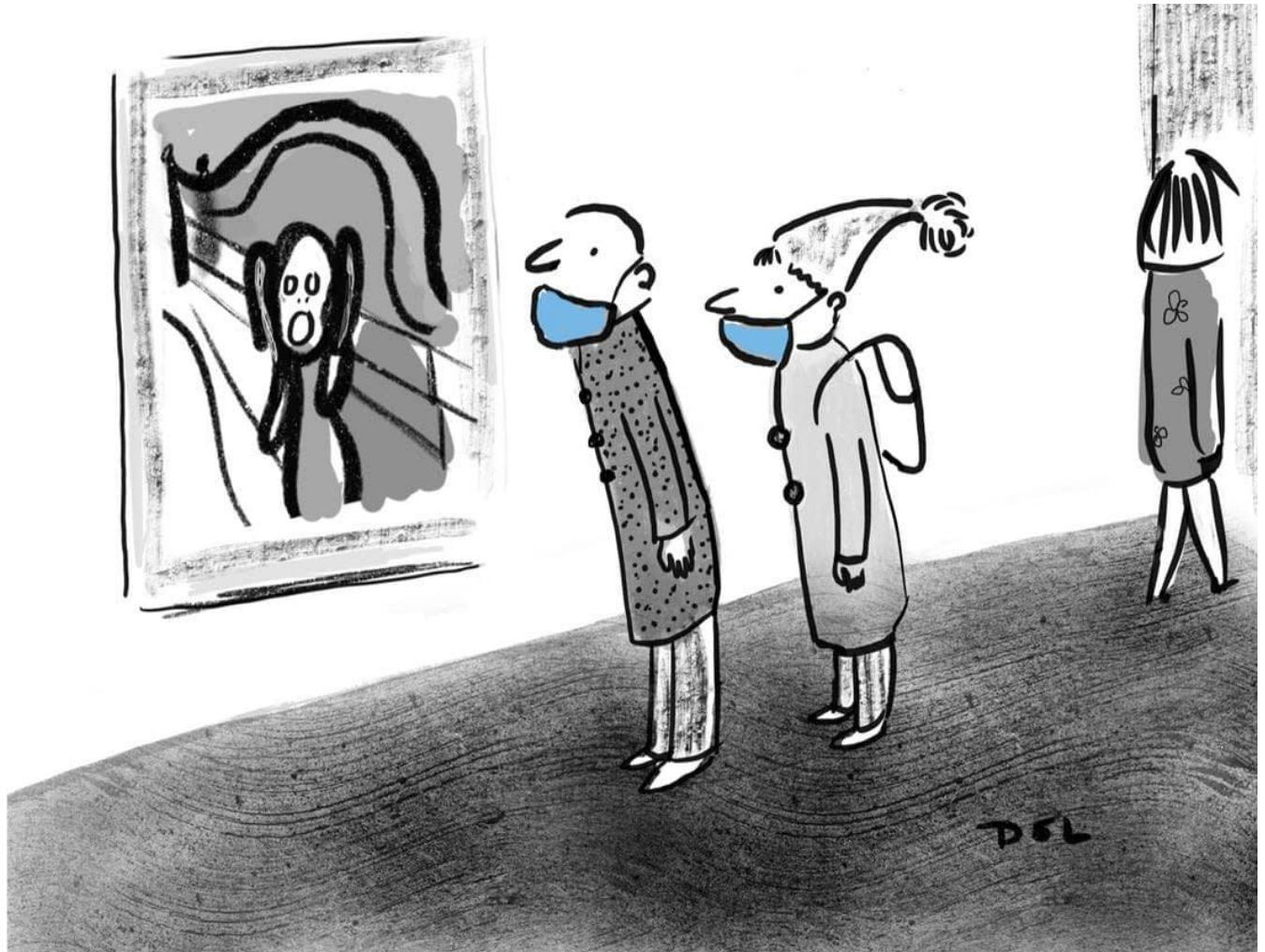
[The Cancellation of Leana Wen](#)

*Wall Street Journal*  
August 23, 2022

[Journalists who hate journalists \(and journalism\)](#)

Alex Berenson  
*Unreported Truths*  
August 23, 2022

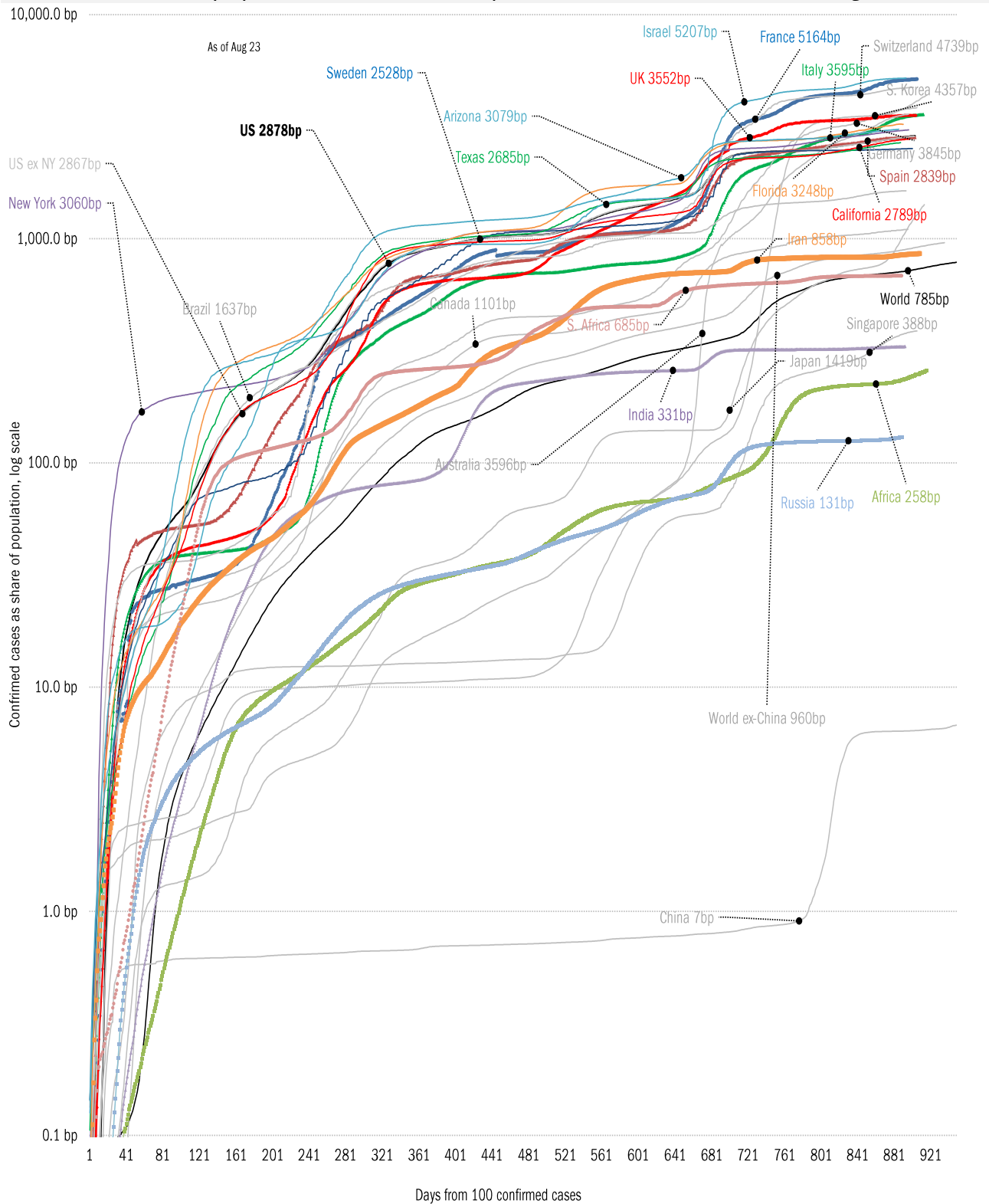
## Meme of the day



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

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

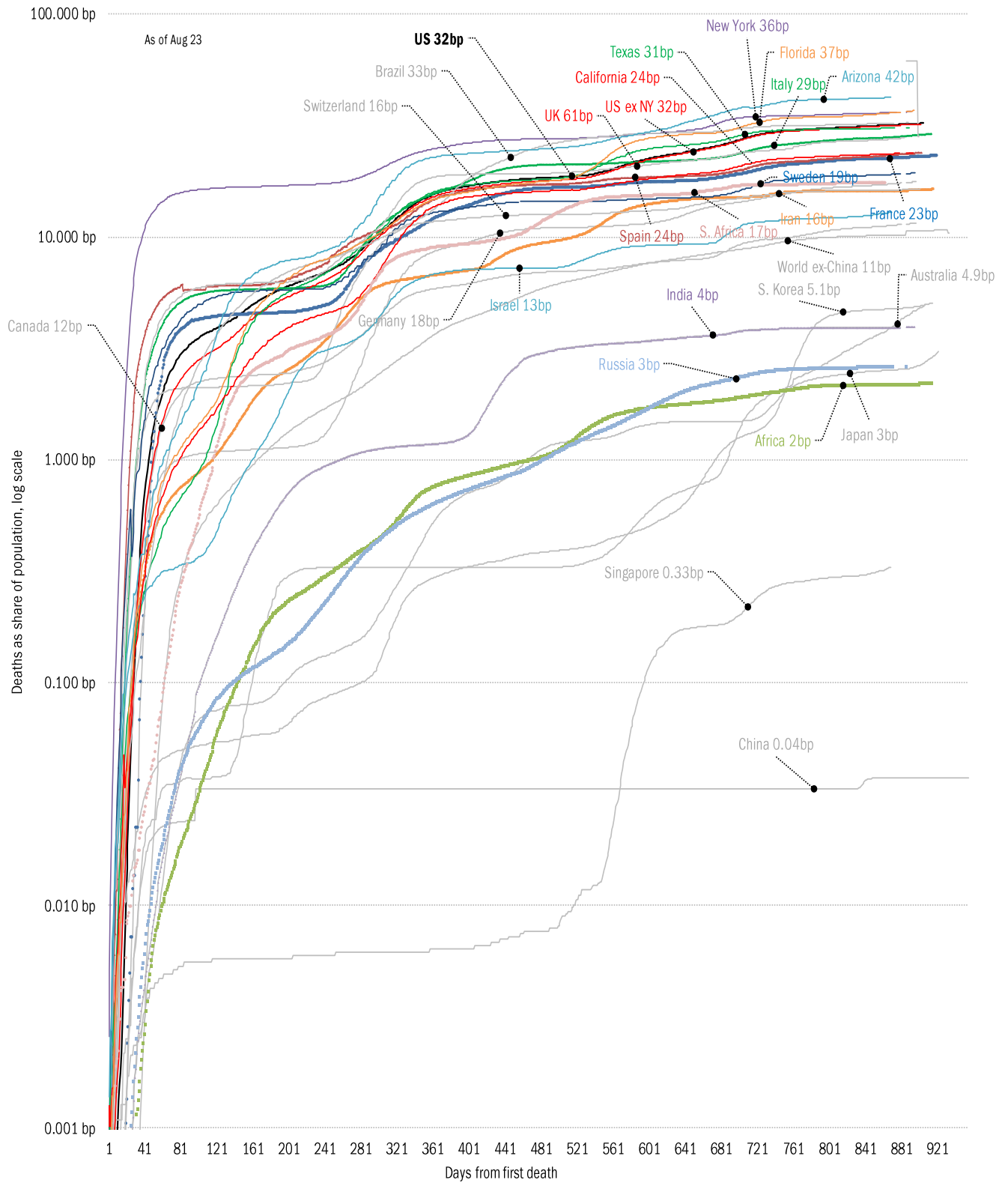
## Share of infected population from first day with 100 confirmed cases, log scale



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

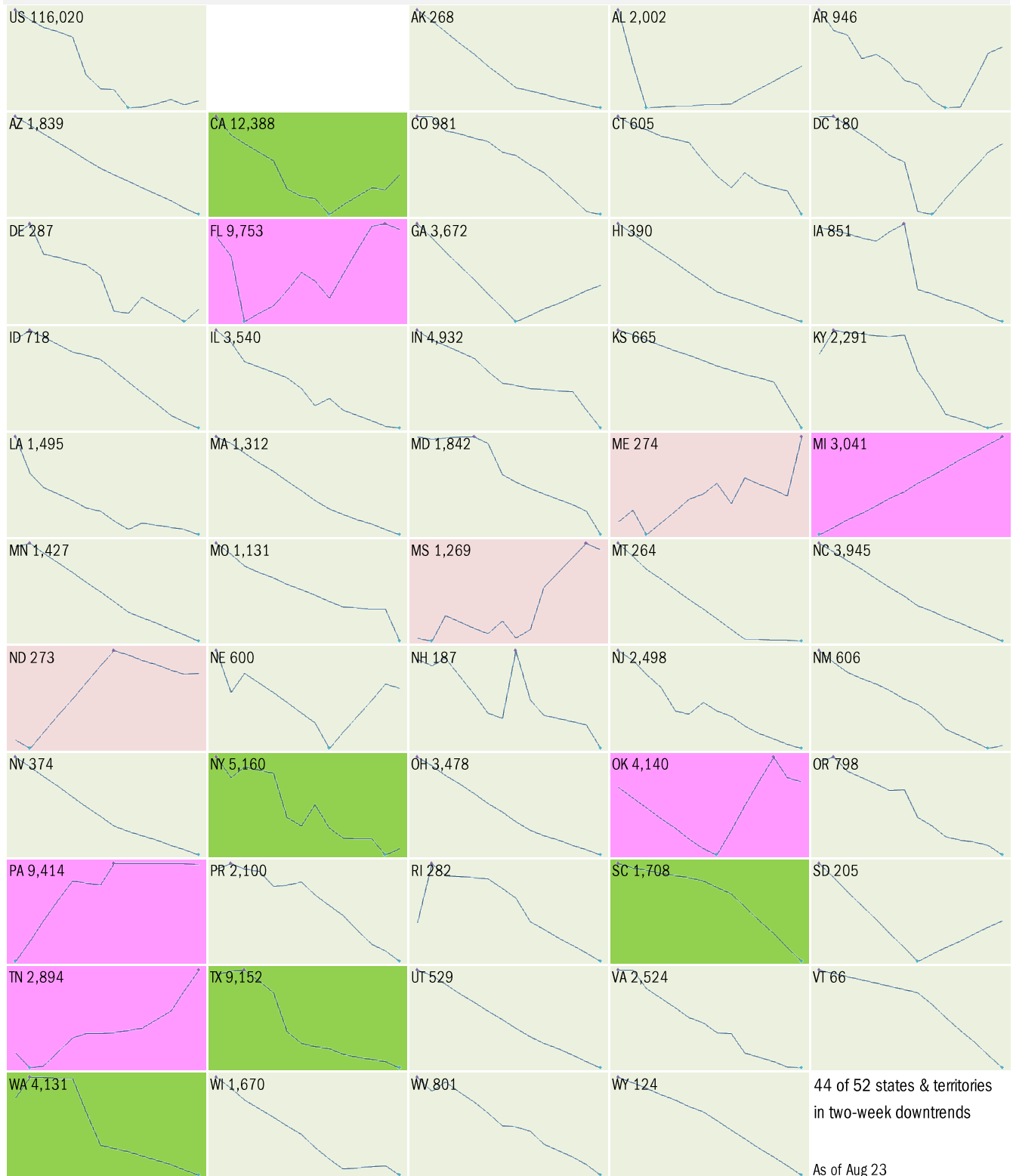


Source: [Johns Hopkins](#), TrendMacro calculations

# 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

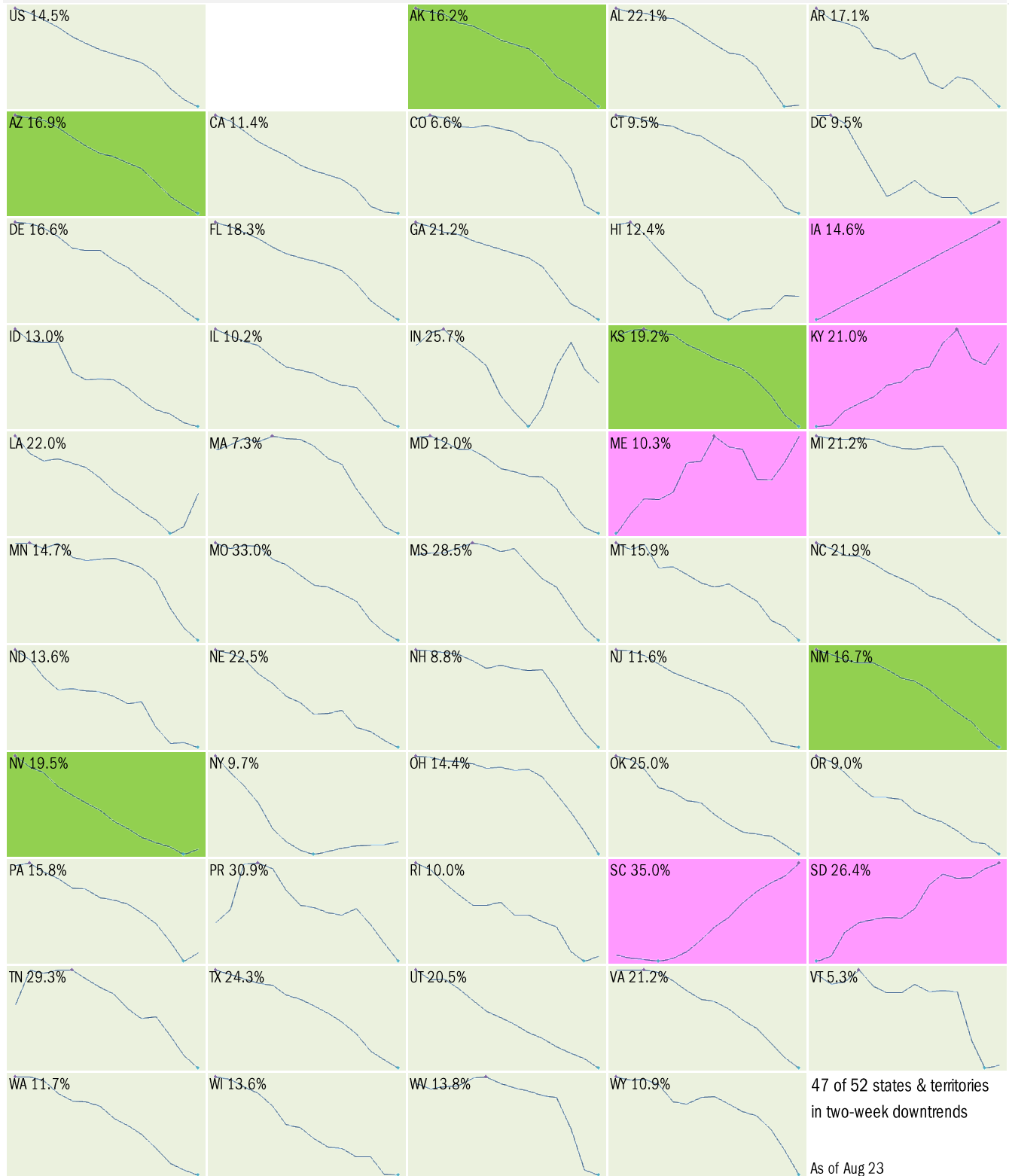


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

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

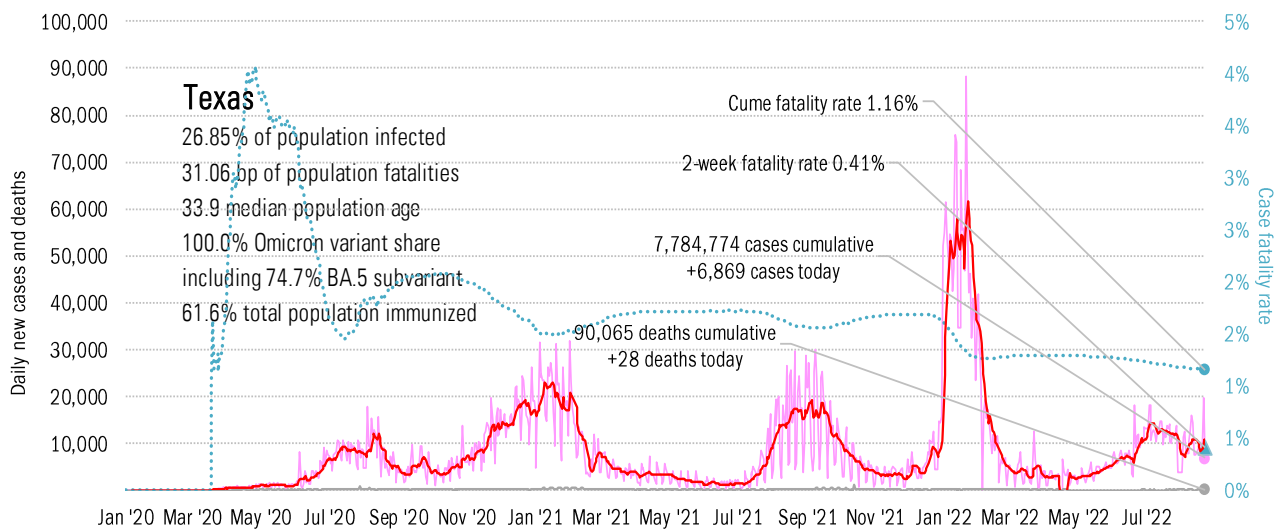
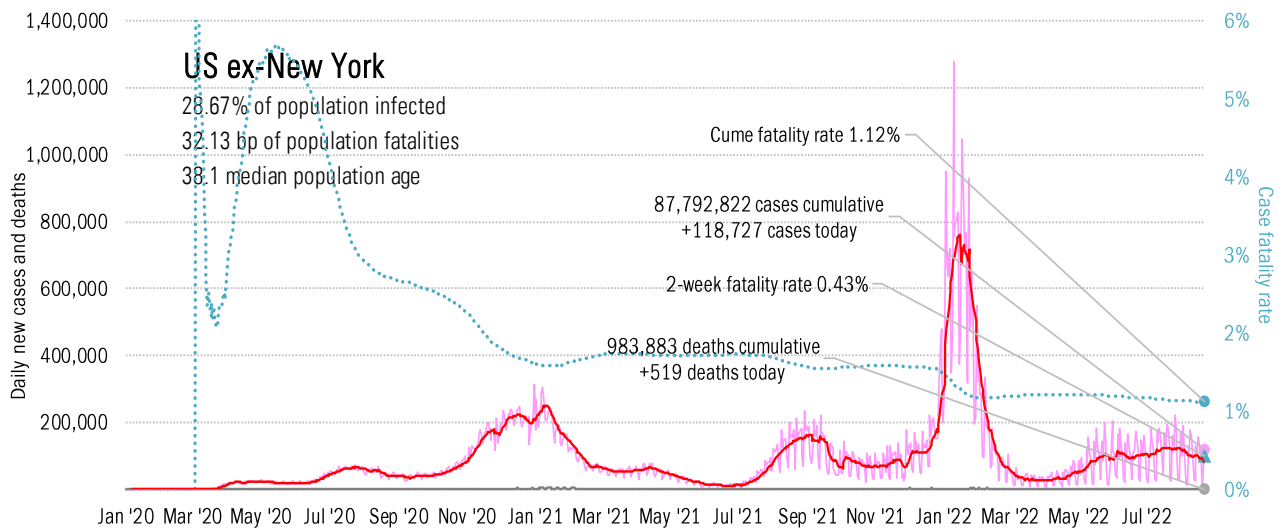
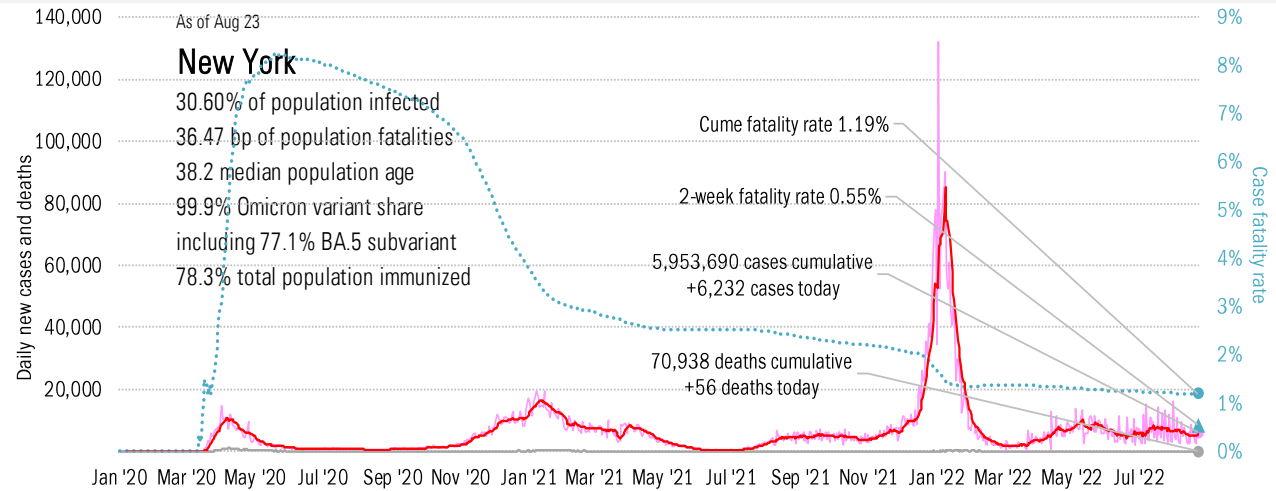
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

# From Ground Zero to the Rio Grande

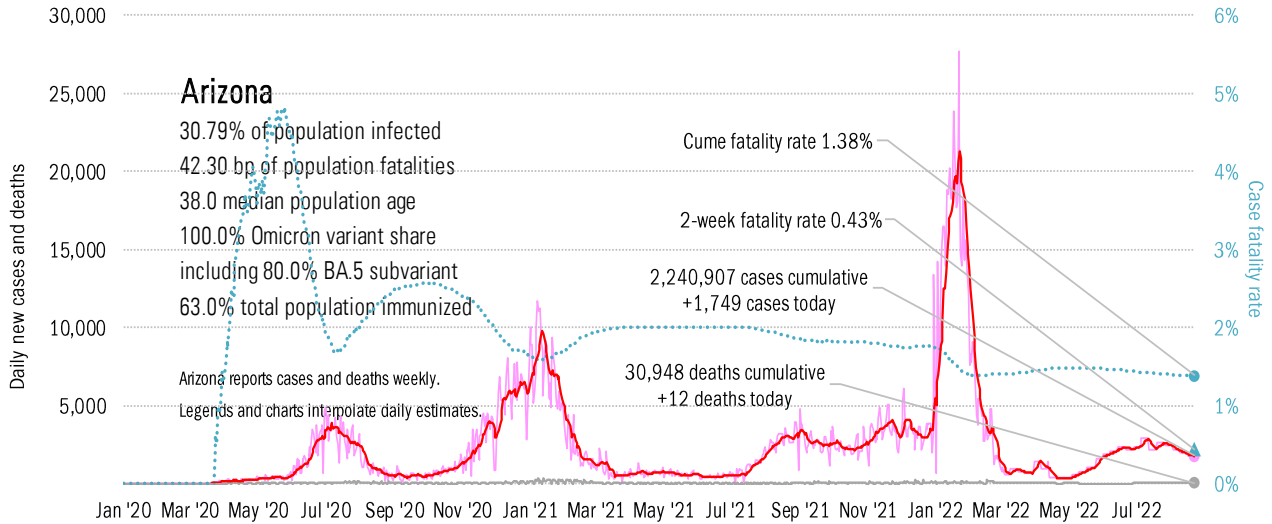
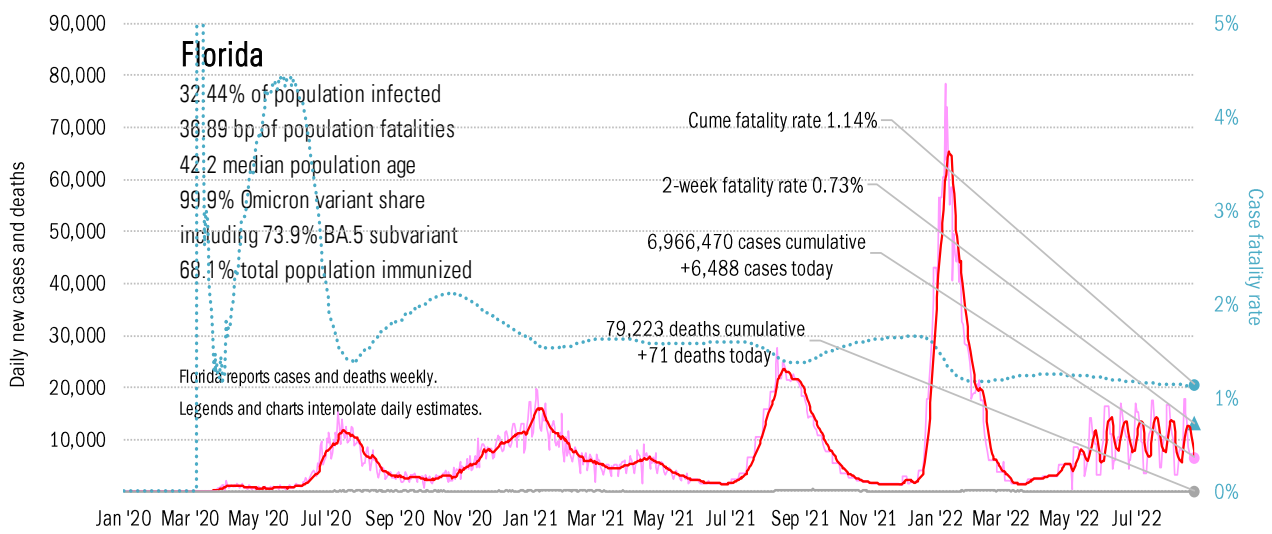
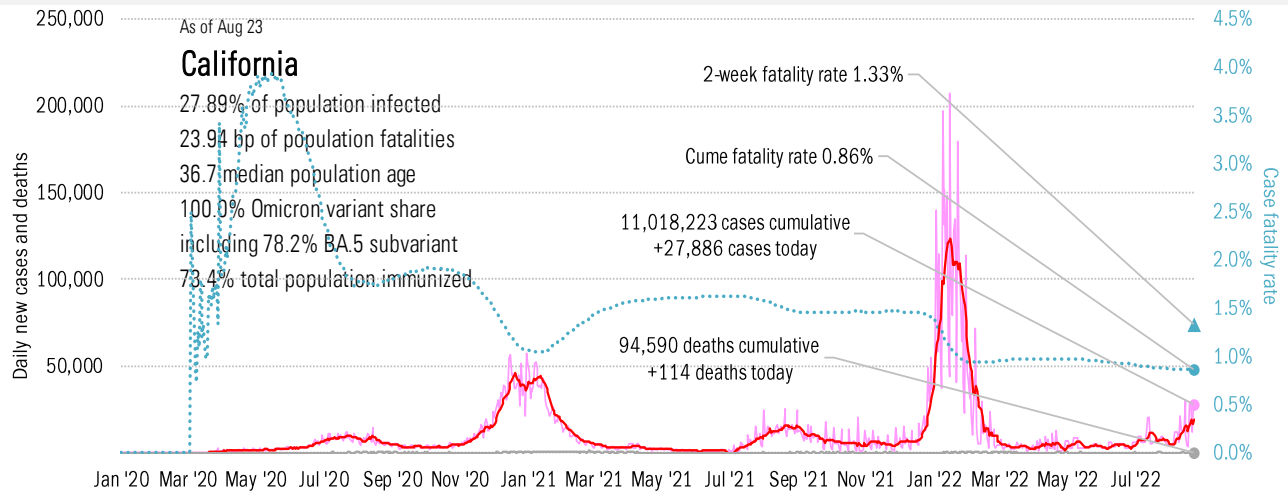
Cases: 7-day average and daily Deaths: Daily



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

# The sun-belt hot-spot states

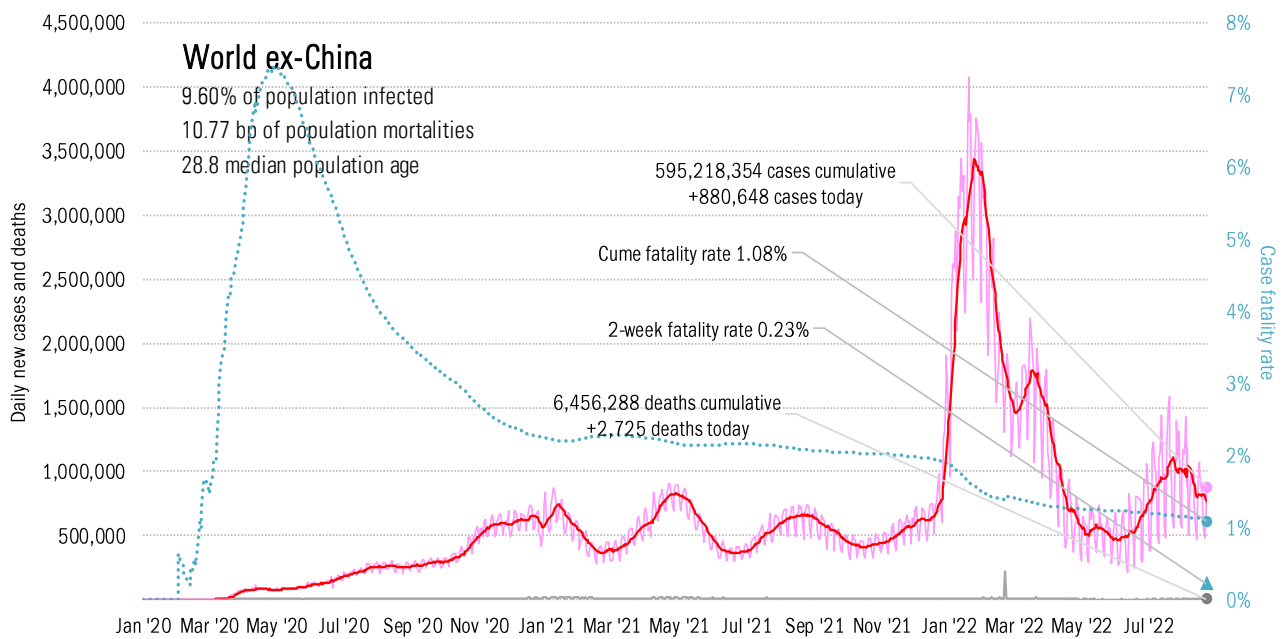
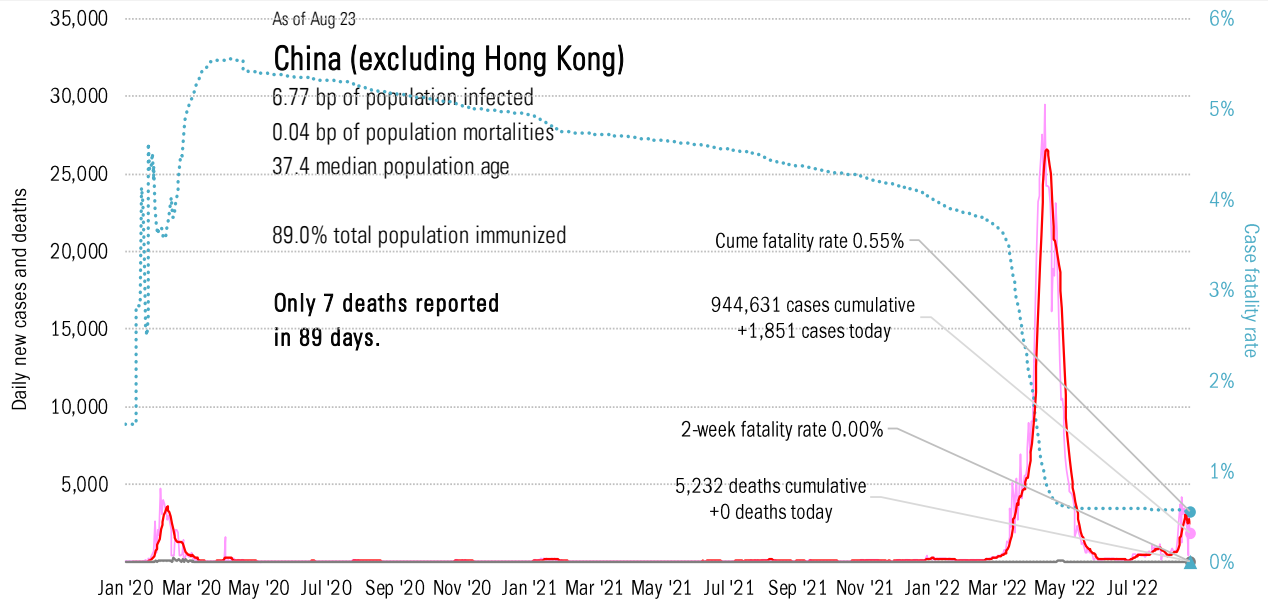
Cases: 7-day average and daily Deaths: Daily



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

# Patient zero... and then everyone else

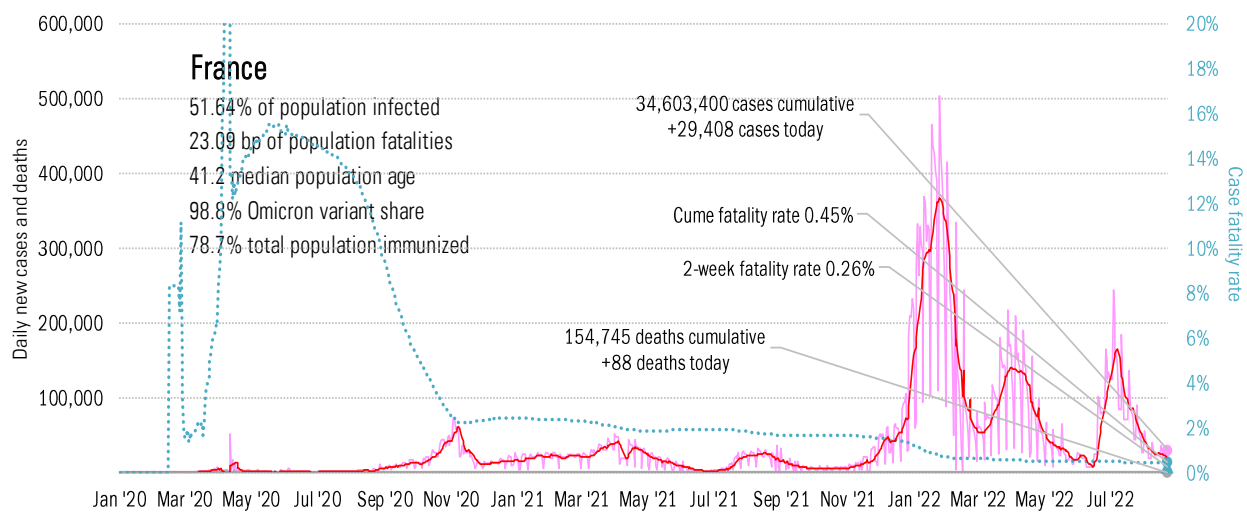
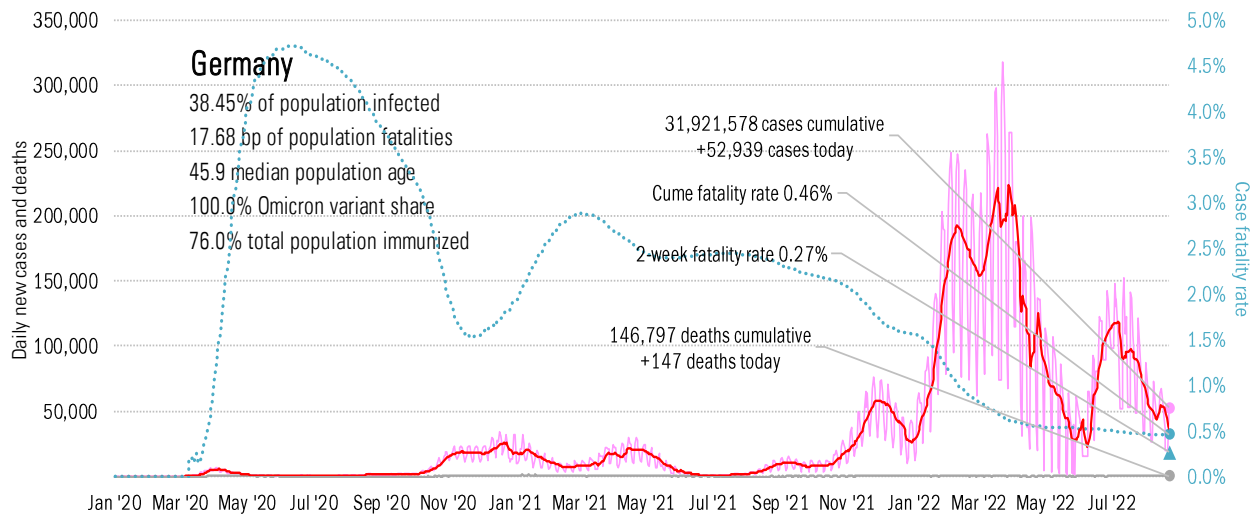
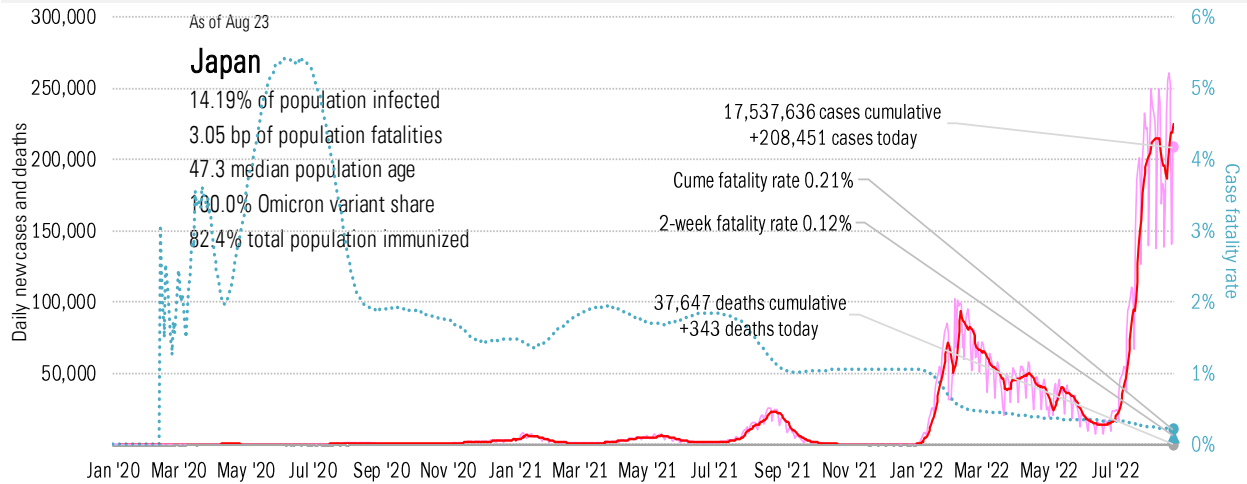
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

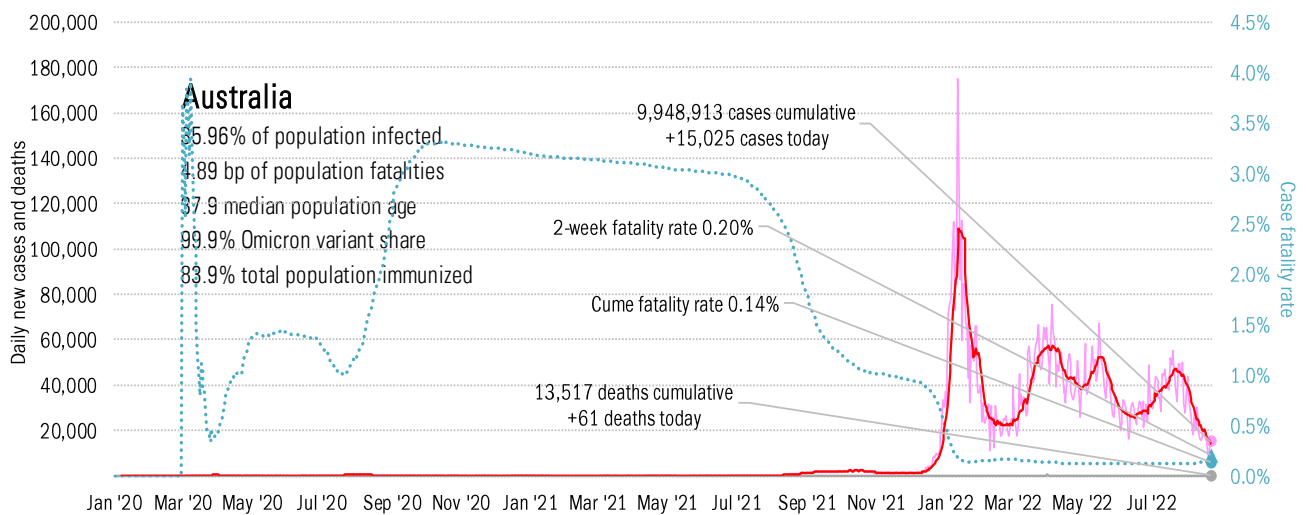
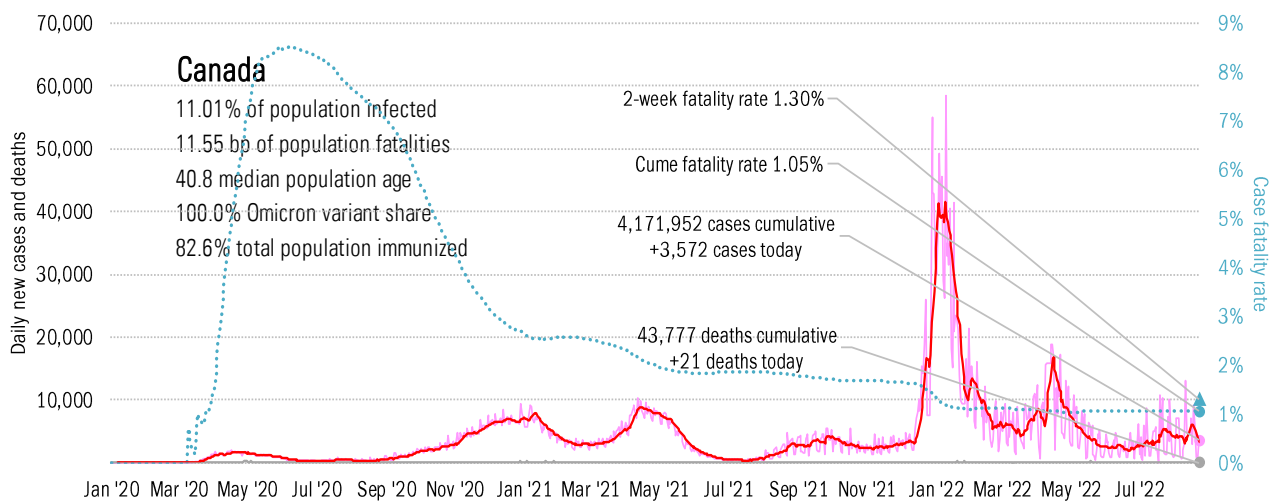
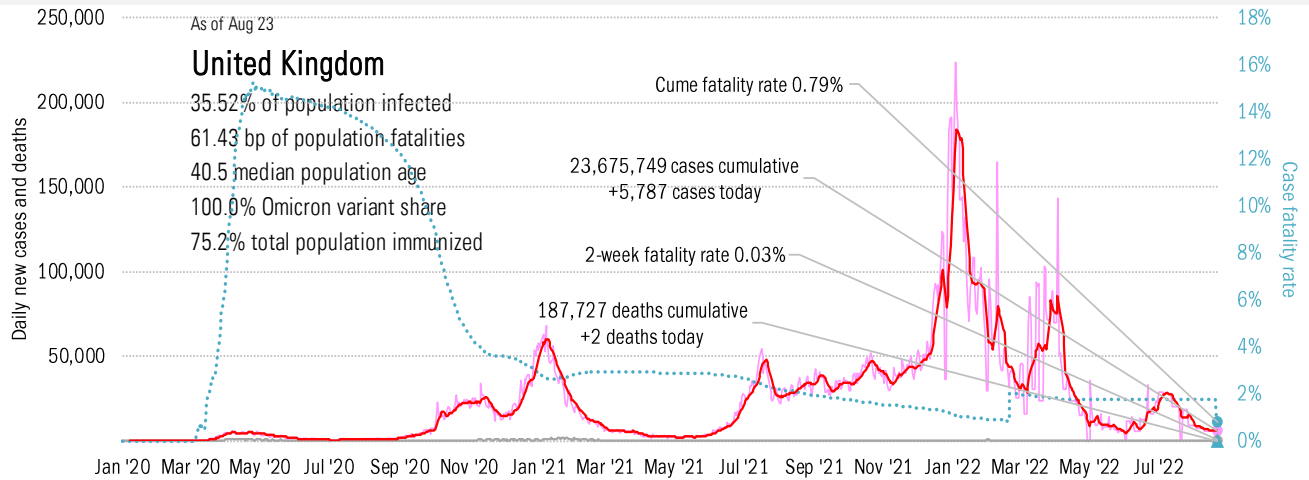


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

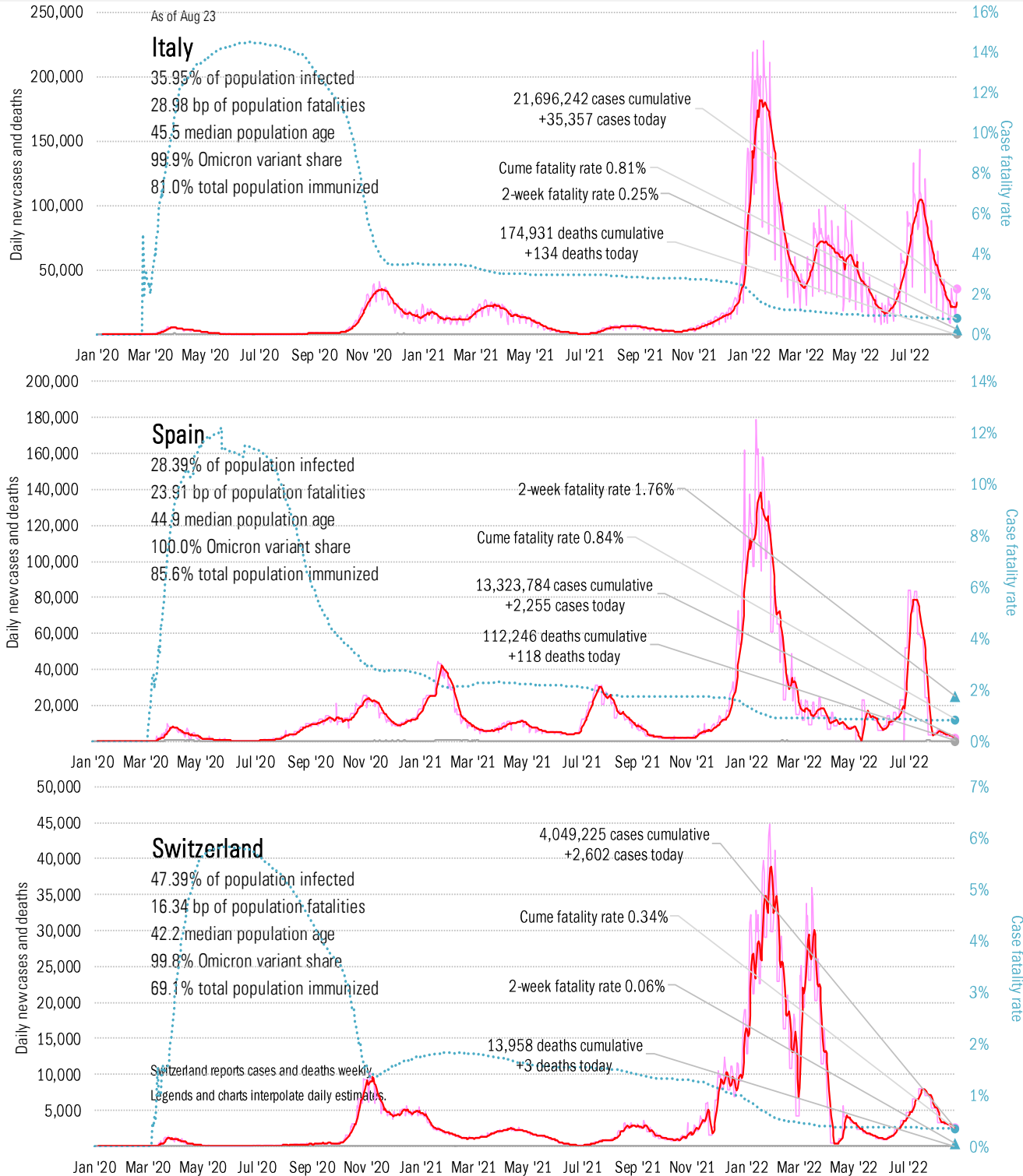
Cases: 7-day average and daily Deaths: Daily



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

# Impact in continental Europe

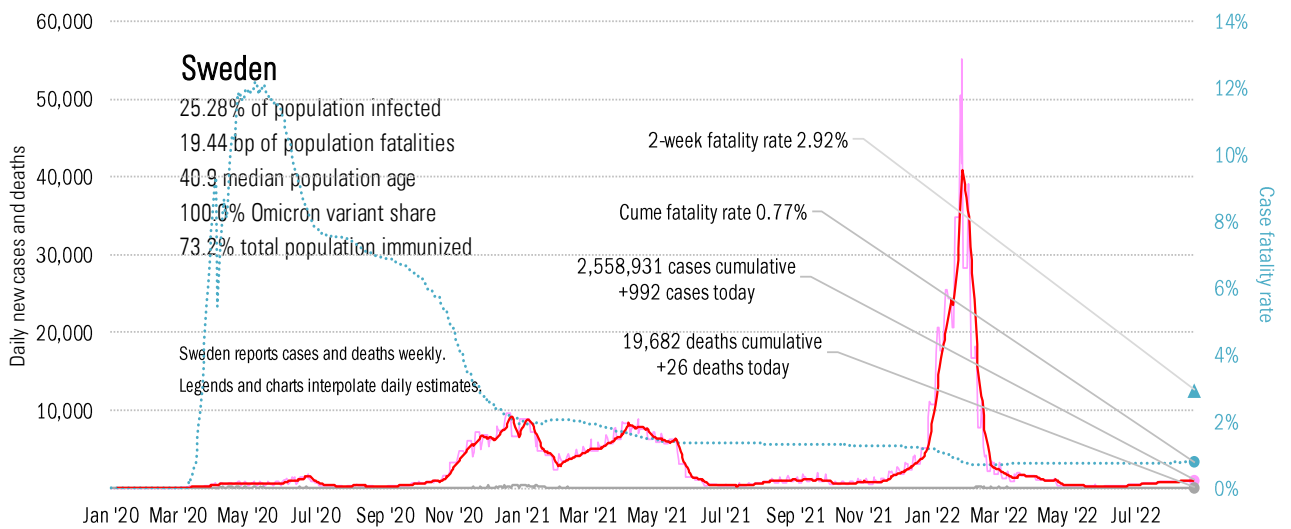
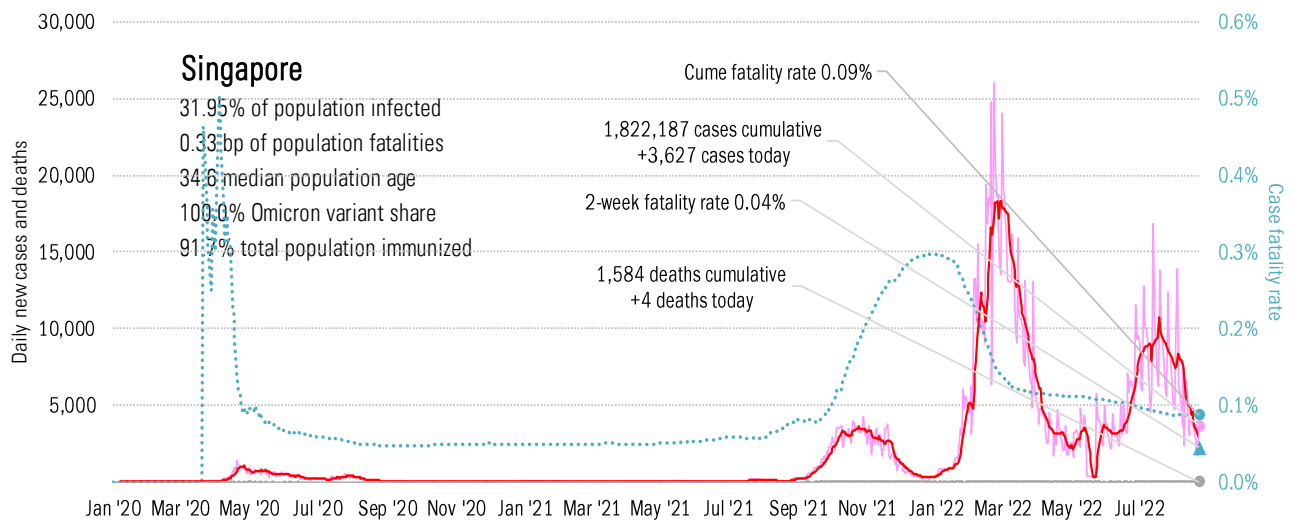
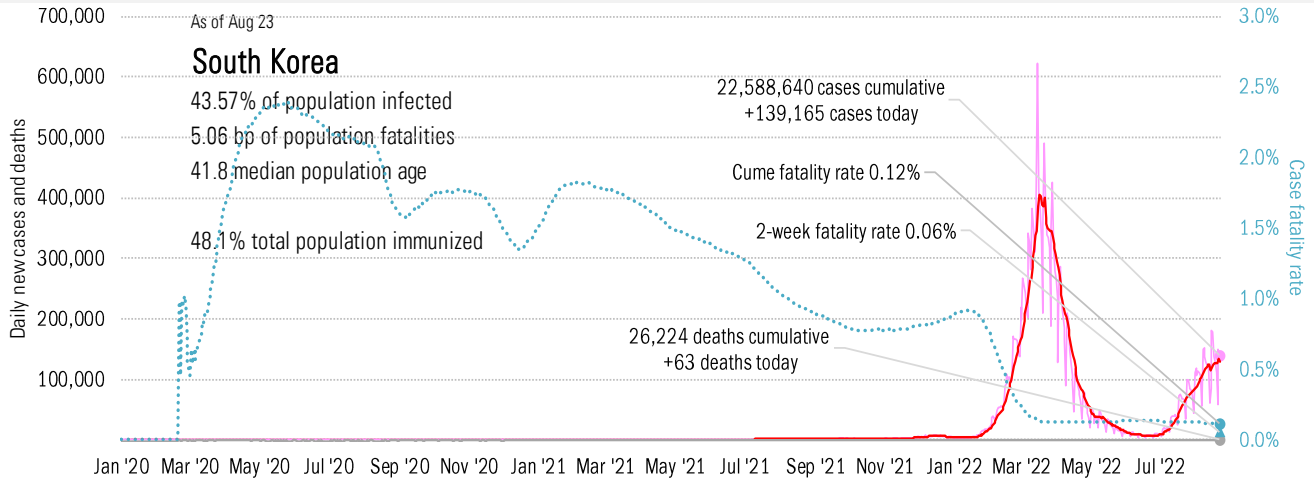
Cases: 7-day average and daily Deaths: Daily



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

# Impact in other hot-spots

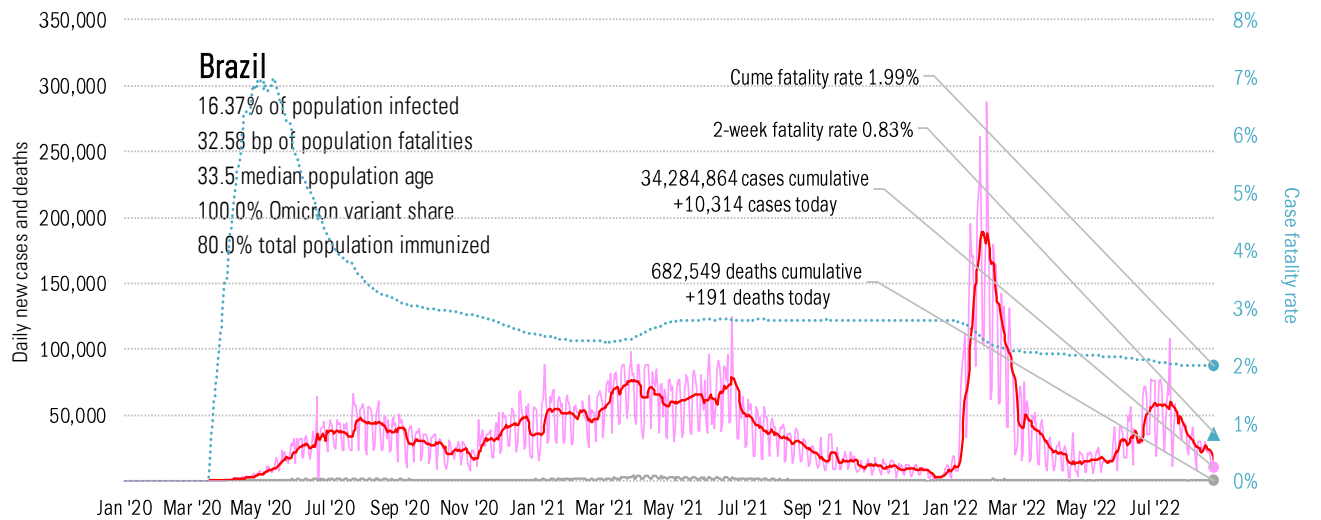
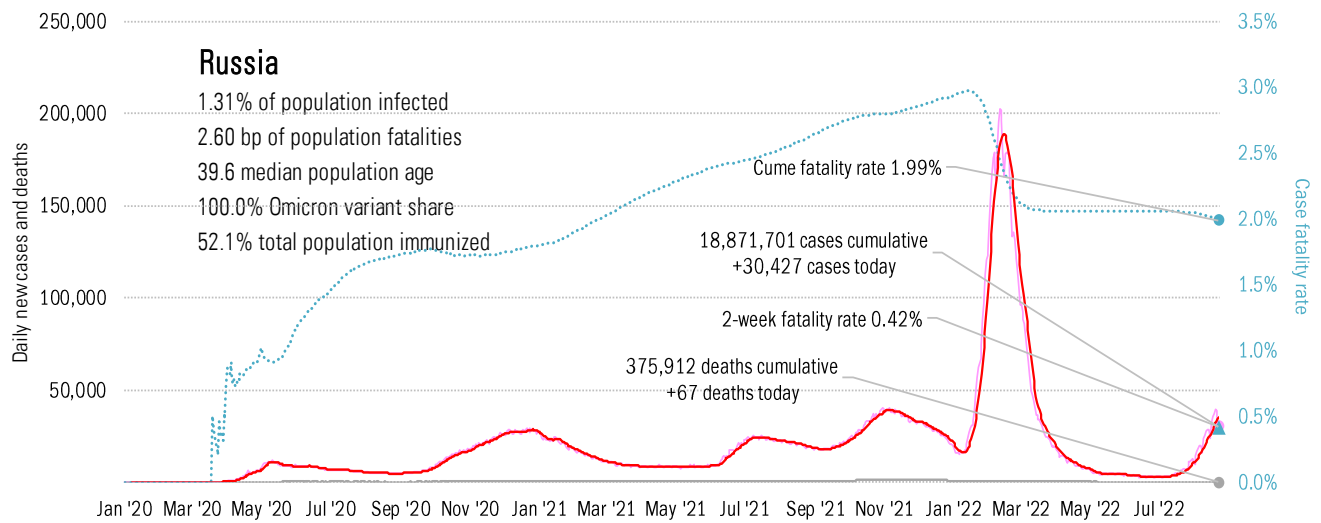
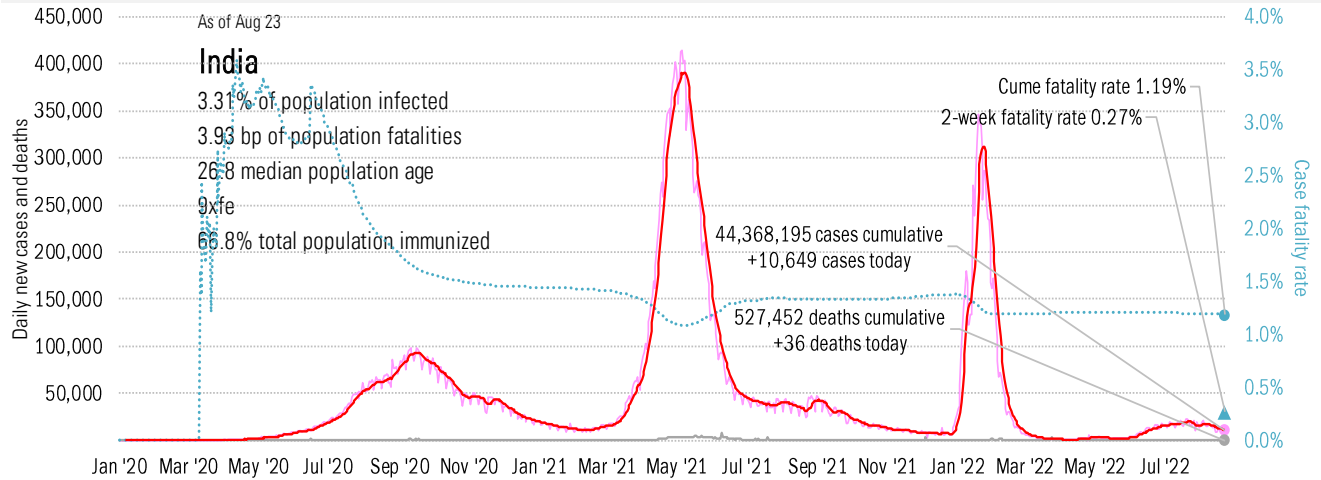
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the BRICs ex-China

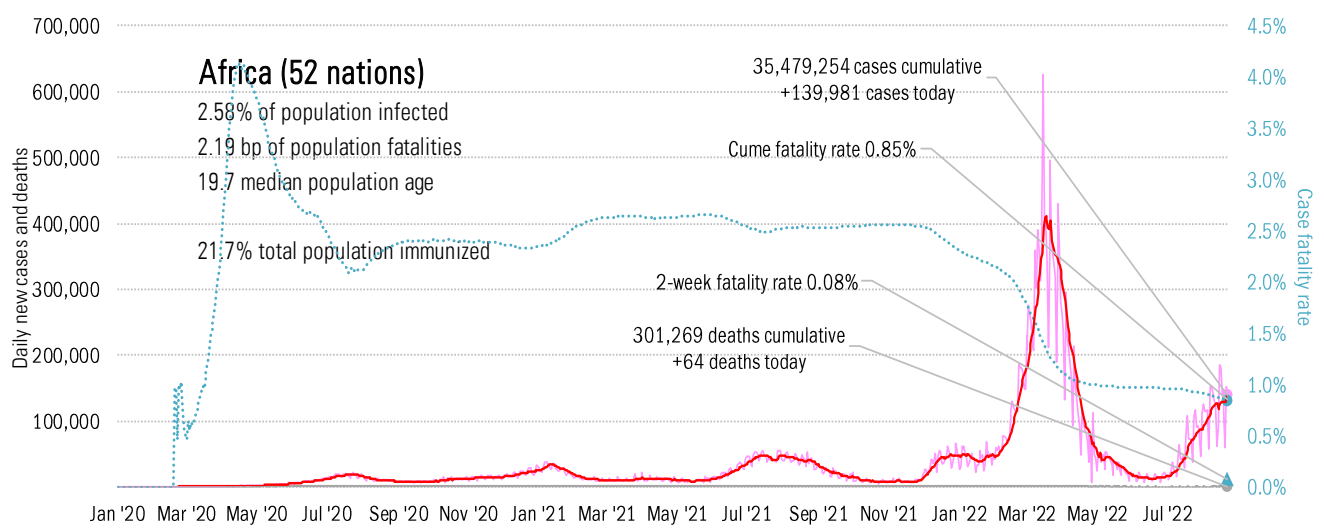
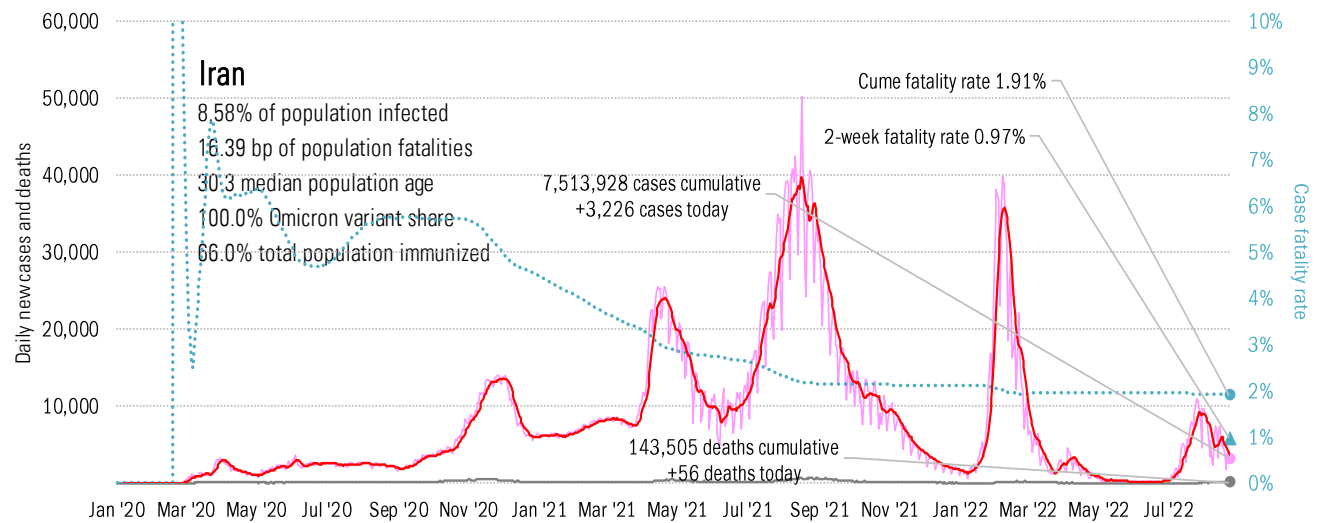
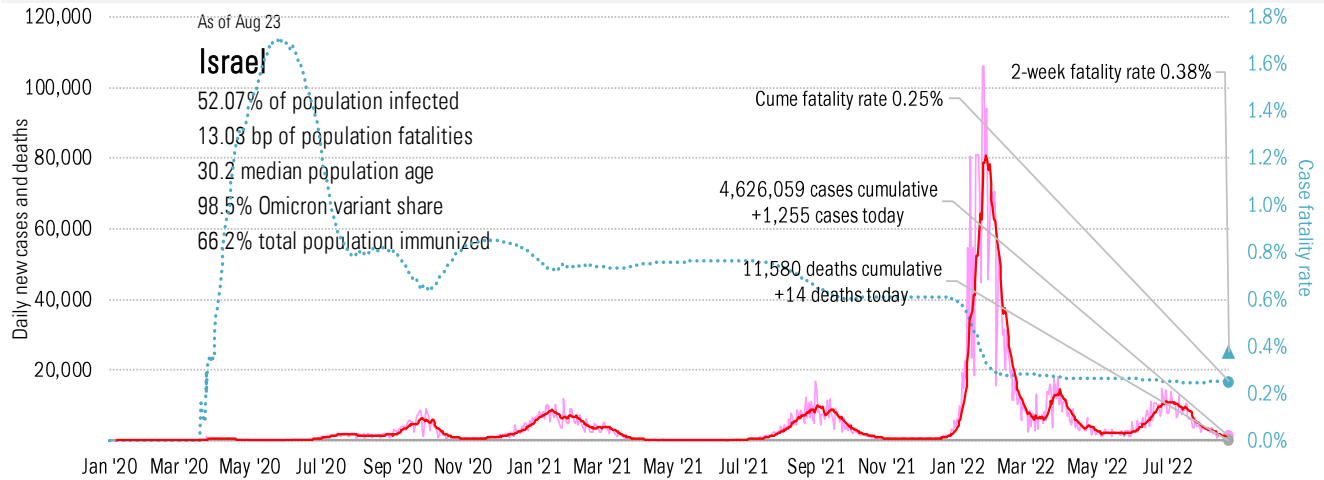
Cases: 7-day average and daily Deaths: Daily



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

# Impact in the Middle East and Africa

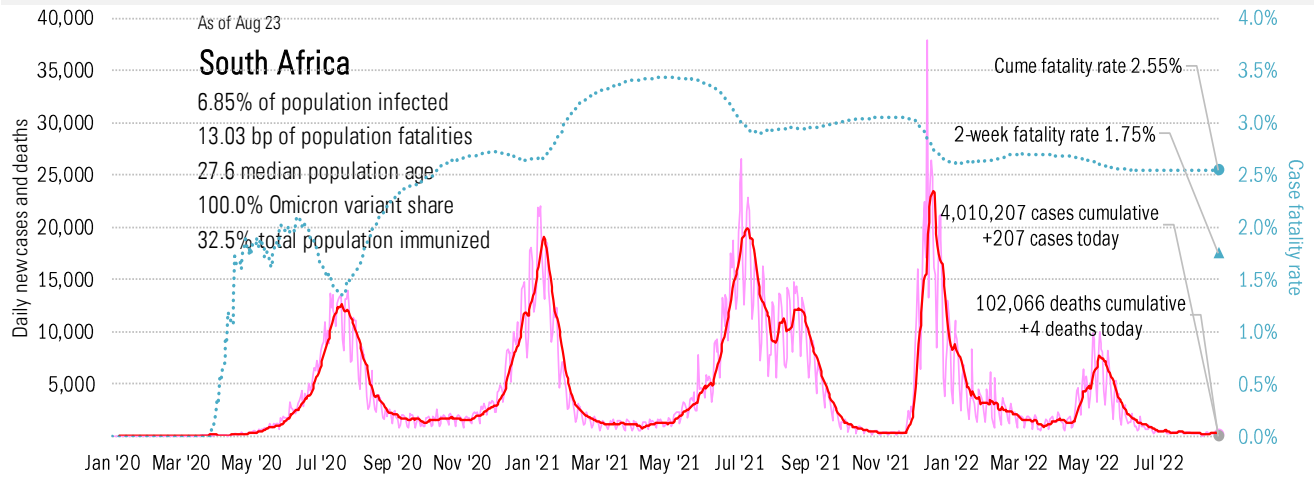
Cases: **7-day average** and **daily** Deaths: Daily



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

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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