

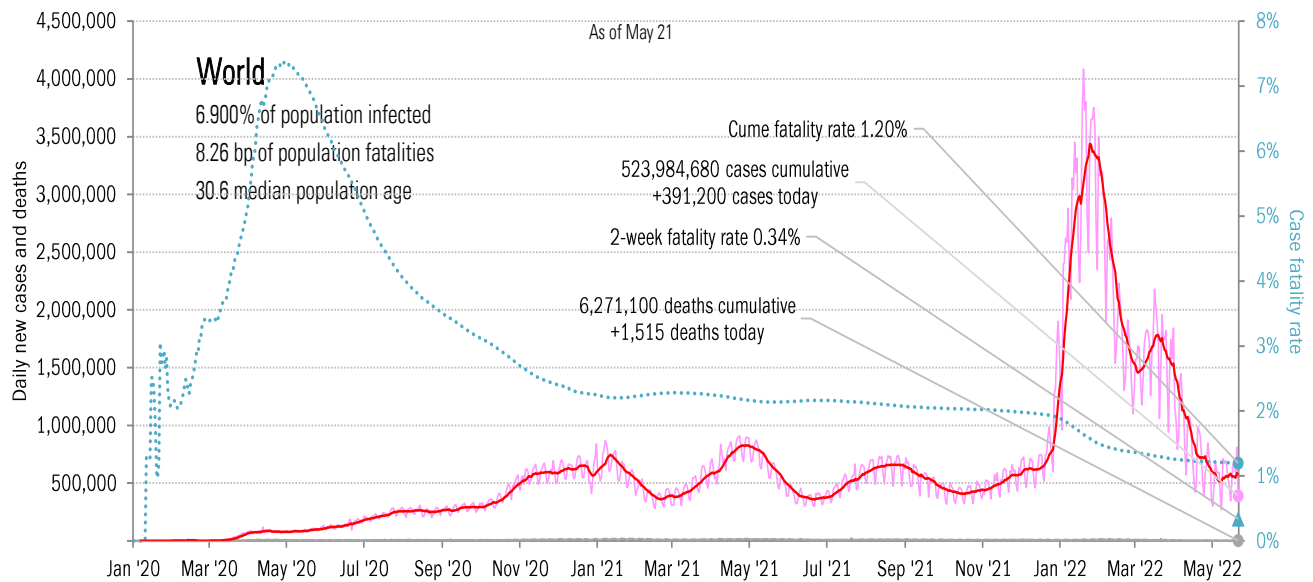
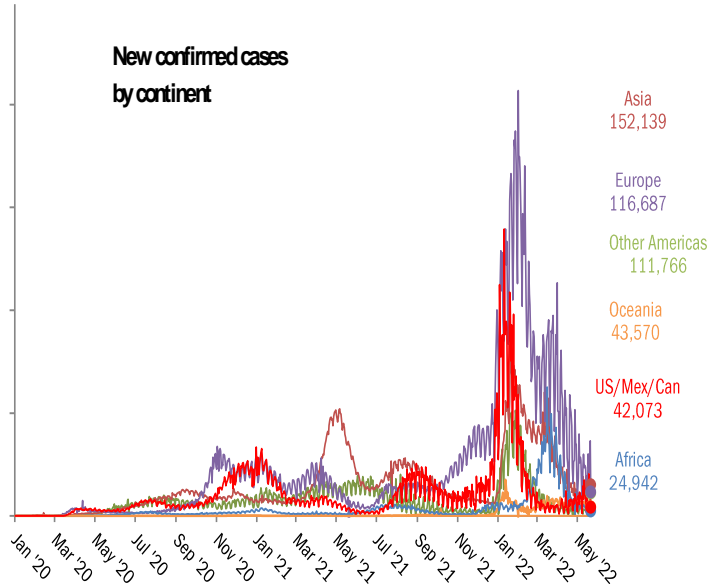
Data Insights: Covid-2019 Monitor

Sunday, May 22, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Taiwan*	84,606	United States	526
Spain	55,572	Spain	310
United States	40,690	Russia	100
Australia	38,512	Italy	91
Japan	35,848	Thailand	68
Italy	24,246	India	65
France	22,507	Taiwan*	59
Korea, South	19,298	Korea, South	54
Thailand	10,116	Japan	31
China	9,642	Australia	21
341,037		1,325	
World	391,200	World	1,515
Top ten	87%	Top ten	87%



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

The ten worst US states

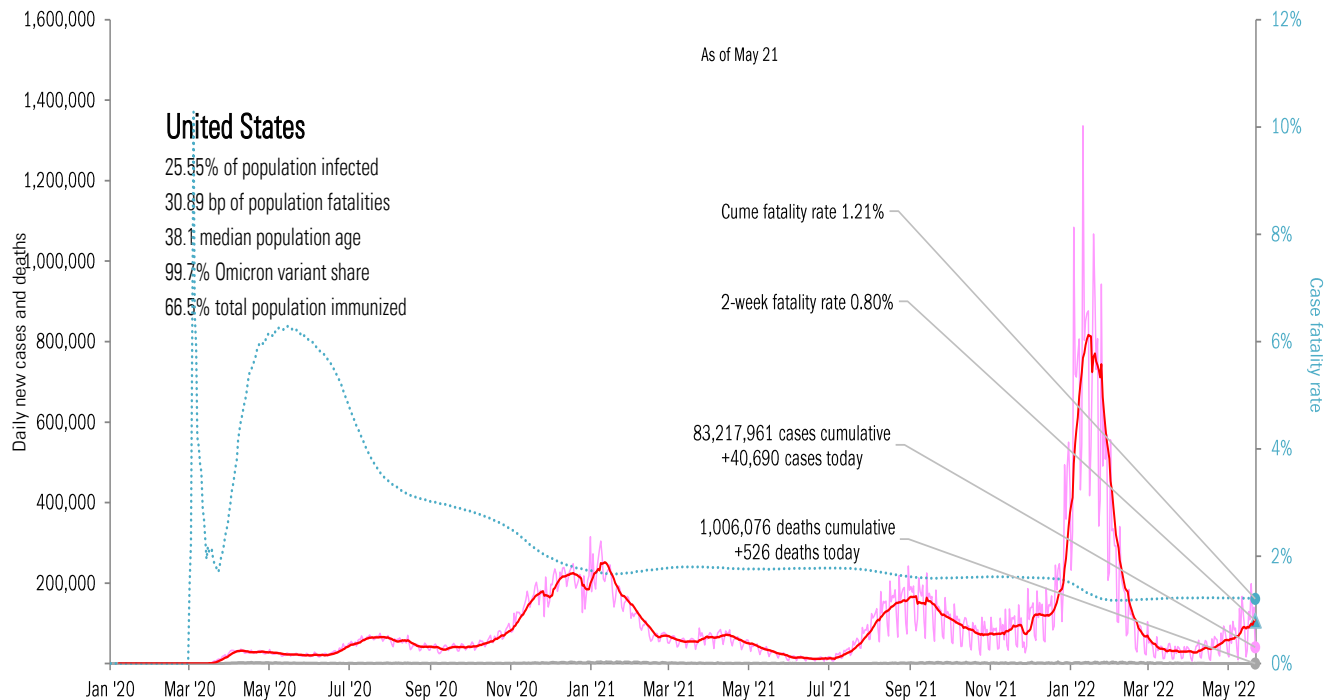
New cases			New deaths			New in hospital			Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
FL	14,233		FL	22	CA	340	CA	9,449,915	CA	91,044	TX	492,710	RI	92%	RI	87%					
NY	7,175		NY	19	TX	168	TX	6,897,739	TX	88,306	CA	431,700	MA	87%	AK	85%					
NJ	5,268		FR	11	FL	326	FL	6,056,112	FL	74,447	FL	422,236	MD	85%	NM	83%					
FR	5,009		NY	7	WA	138	NY	5,362,799	NY	68,796	NY	259,335	MN	85%	MA	82%					
TX	4,000		TX	5	TX	147	IL	3,249,534	PA	44,898	GA	208,745	WA	84%	TX	81%					
AZ	1,000		TX	5	TX	97	PA	2,877,660	CH	38,590	CH	194,145	NH	84%	WA	81%					
OK	850		TX	5	TX	174	CH	2,743,577	GA	38,157	PA	180,285	DC	83%	DE	81%					
ME	791		TX	5	TX	189	NC	2,715,798	MI	36,218	IL	161,419	PA	83%	AL	81%					
DC	306		AK	0	MD	76	GA	2,541,713	IL	36,194	MI	145,279	MI	83%	NH	79%					
AR	293		AL	0	CO	65	MI	2,501,863	NJ	33,610	KY	133,783	MO	82%	UT	79%					
38,958			77			1,720			44,396,710			550,260			2,629,637						
All states	40,690		526		3,750		All states	83,217,961	1,006,076		4,775,195		All states	70%	67%						
Top ten	96%		15%		46%		Top ten	53%	55%		55%		Median	76%	74%						

US state case and fatality data distorted today due to revisions.

Some states not reporting

Five most improved US states

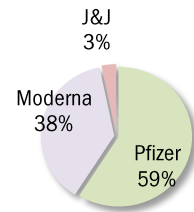
Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most pop immunity growth
CA -41,932	CA -126	WI -47	AR +10 bp
WA -8,837	FL -109	TN -26	CO +10 bp
MO -5,280	WA -30	IN -25	CT +10 bp
IL -4,692	MO -29	MO -25	KY +10 bp
MA -4,627	IN -19	OR -21	MI +10 bp



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

Rolling out the vaccines in the US and the world

Administered	Cumulative				Today	Immunity	Full	Partial
Doses	599,402,755				+0.260 million	US	66.5%	77.7%
Boosters	44,768,759				+0.018 million	UK	73.1%	78.2%
	One dose	% Pop	Immune	% pop	New immune today	France	78.3%	80.7%
Total population	265,927,290	80%	227,202,700	68%	+0.034 million	Spain	86.6%	88.2%
Age 12 to 17	17,762,641	70%	15,215,595	60%	+0.002 million	Germany	76.9%	76.9%
Age 18 to 64	178,704,595	88%	152,042,098	75%	+0.018 million	Italy	79.4%	84.1%
Age 65 and over	59,041,472	100%	51,526,190	94%	+0.010 million	Australia	83.7%	86.5%
						Israel	66.1%	72.2%
						Canada	82.4%	86.4%
						Japan	80.8%	82.1%
						Africa	17.1%	22.4%
						India	63.2%	72.4%
						Brazil	77.4%	85.6%
						China	86.7%	89.1%



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

"Immunity" = two doses

AK
69.9%
62.6%

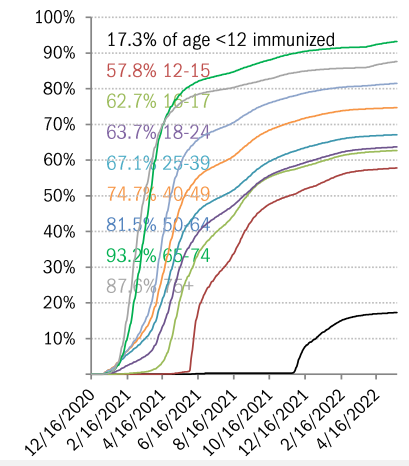
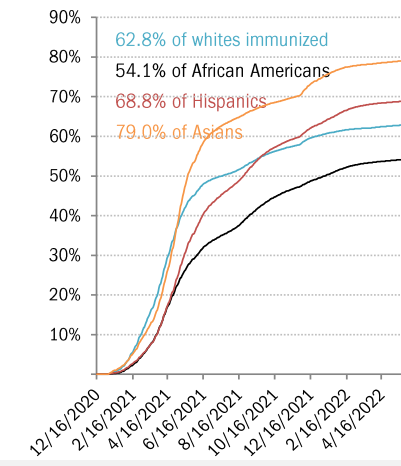
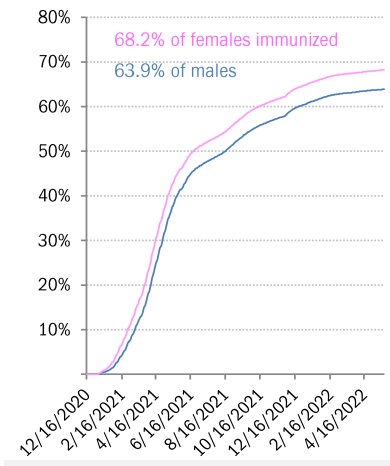
WI
72.0%
65.8%

As of May 21

ME
91.0%
80.0%

WA	ID	MT	ND	MN	IL	MI		NY	VT	NH
81.1%	61.8%	65.5%	65.8%	75.3%	76.2%	67.2%		90.5%	93.9%	88.7%
72.8%	55.5%	57.0%	55.8%	69.4%	68.9%	60.4%		77.3%	81.5%	70.9%
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
78.1%	75.6%	58.2%	77.0%	68.1%	61.6%	63.8%	85.3%	90.8%	95.0%	
69.9%	61.1%	51.1%	61.9%	62.1%	55.0%	58.9%	68.9%	76.0%	79.4%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
82.4%	72.3%	79.6%	70.4%	66.4%	66.3%	65.2%	86.0%	86.8%	95.0%	95.0%
72.5%	64.5%	70.5%	63.7%	56.3%	57.6%	57.8%	73.5%	76.0%	79.6%	83.0%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	73.4%	88.2%	74.8%	66.9%	62.4%	84.8%	67.9%	95.0%	83.5%	
	61.9%	71.5%	61.8%	54.7%	54.7%	61.7%	57.3%	78.1%	69.5%	
			OK	LA	MS	AL	GA			
			71.4%	61.2%	59.8%	62.9%	65.6%			
			57.5%	53.6%	52.0%	51.3%	55.0%			
			TX							
			73.6%							
			61.8%							
								FL		PR
								79.6%		95.0%
								67.2%		83.3%

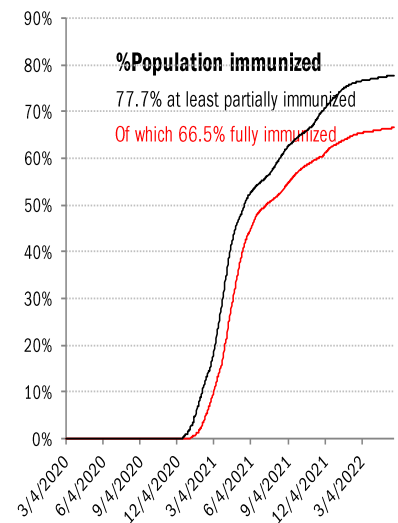
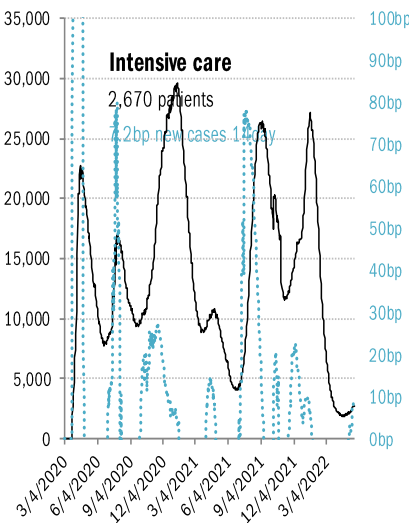
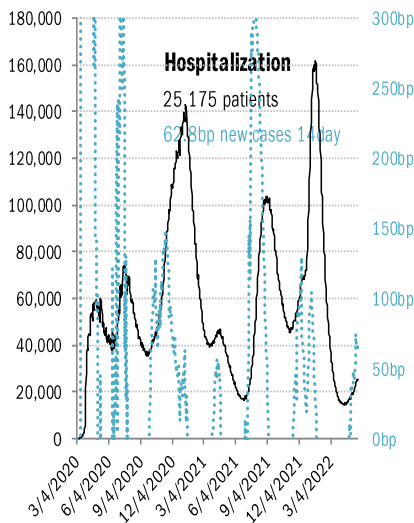
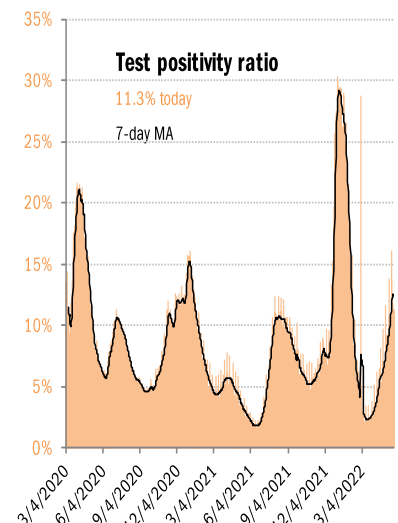
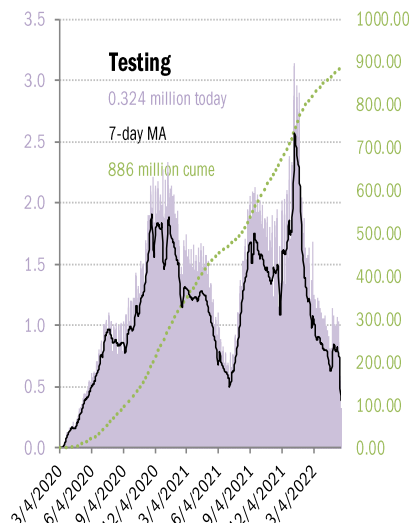
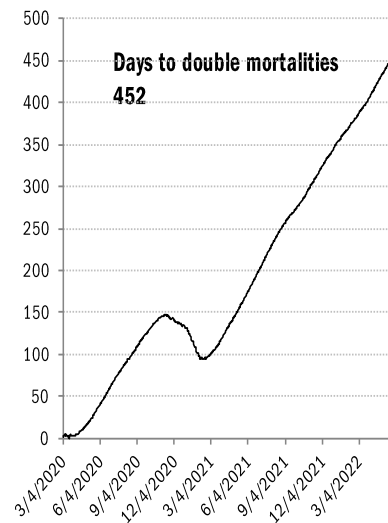
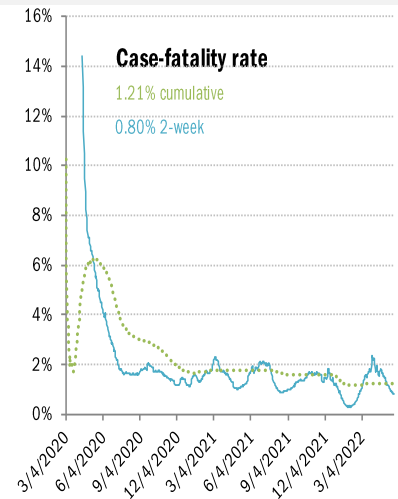
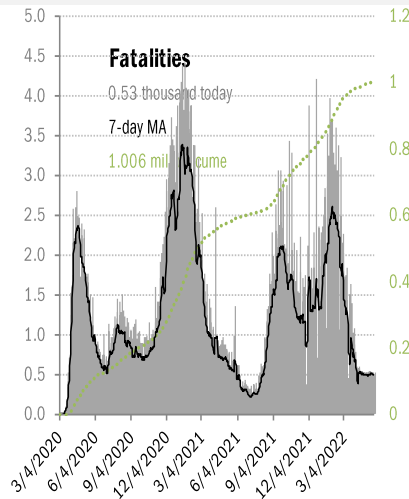
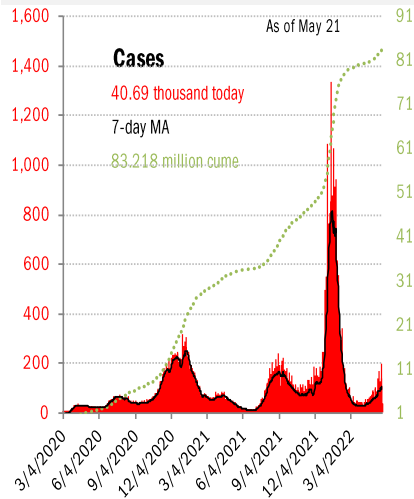
The demographics of US vaccination



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

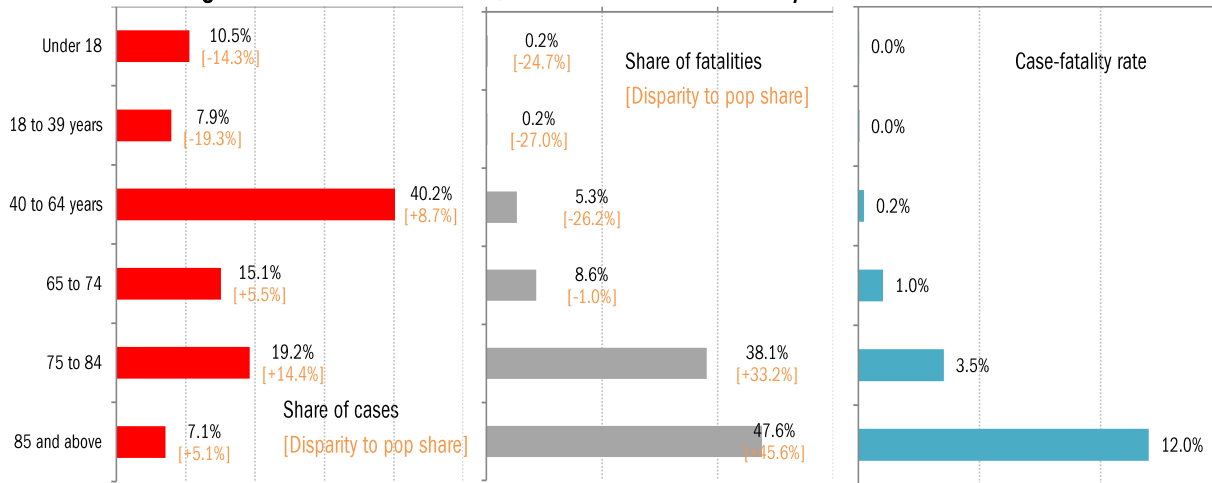
US deep-dive

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

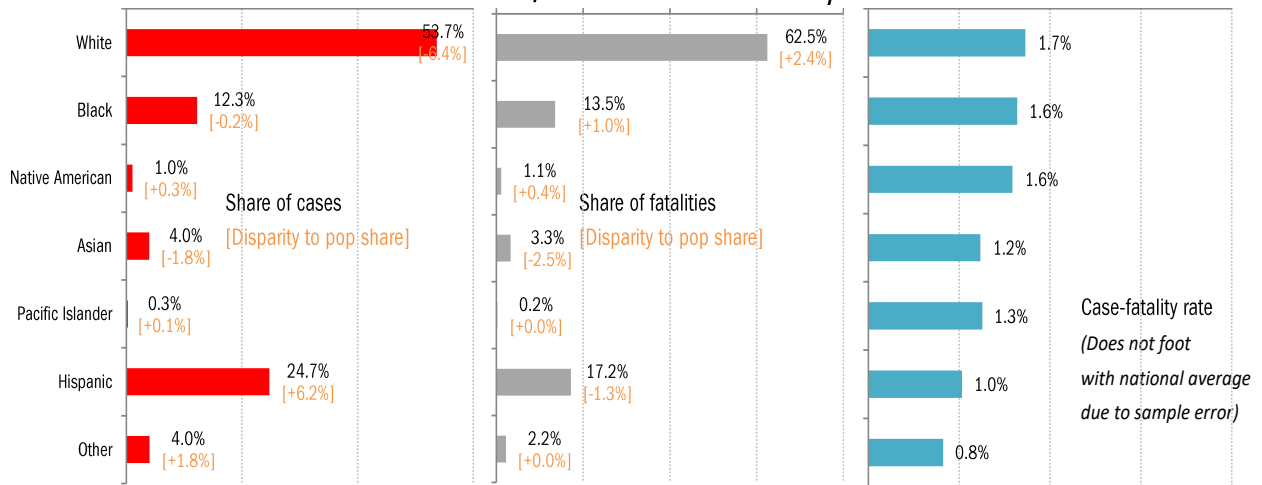


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

Age distribution of US cases, fatalities and case-fatality rates

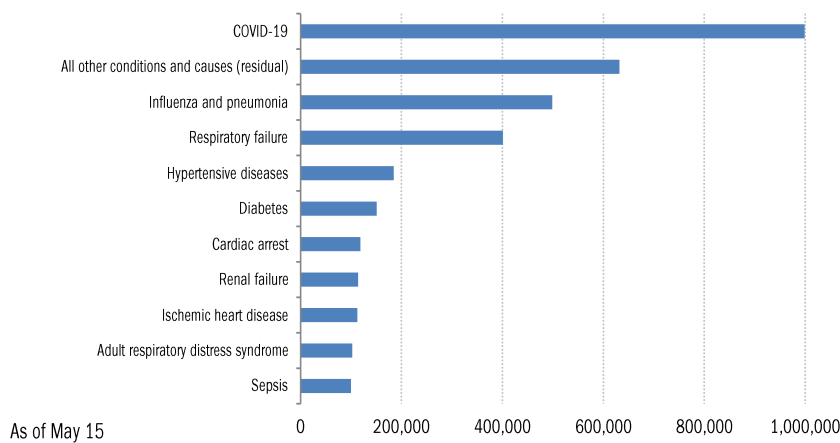


Racial distribution of US cases, fatalities and case-fatality rates



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 per death.

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

Recommended reading

[Monkeypox is not the next Covid-19](#)

Toby Green

UnHerd

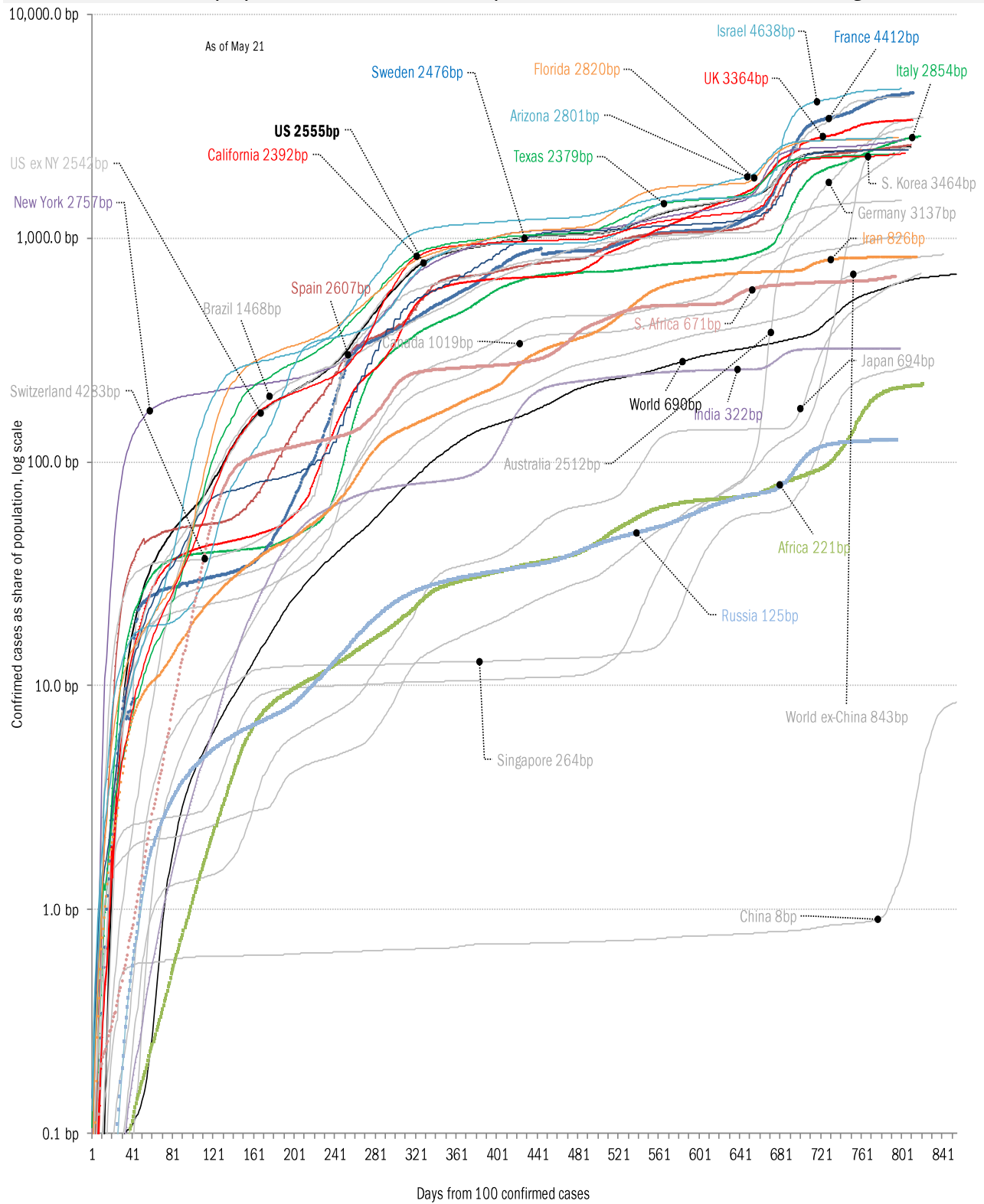
May 21, 2022

Meme of the day



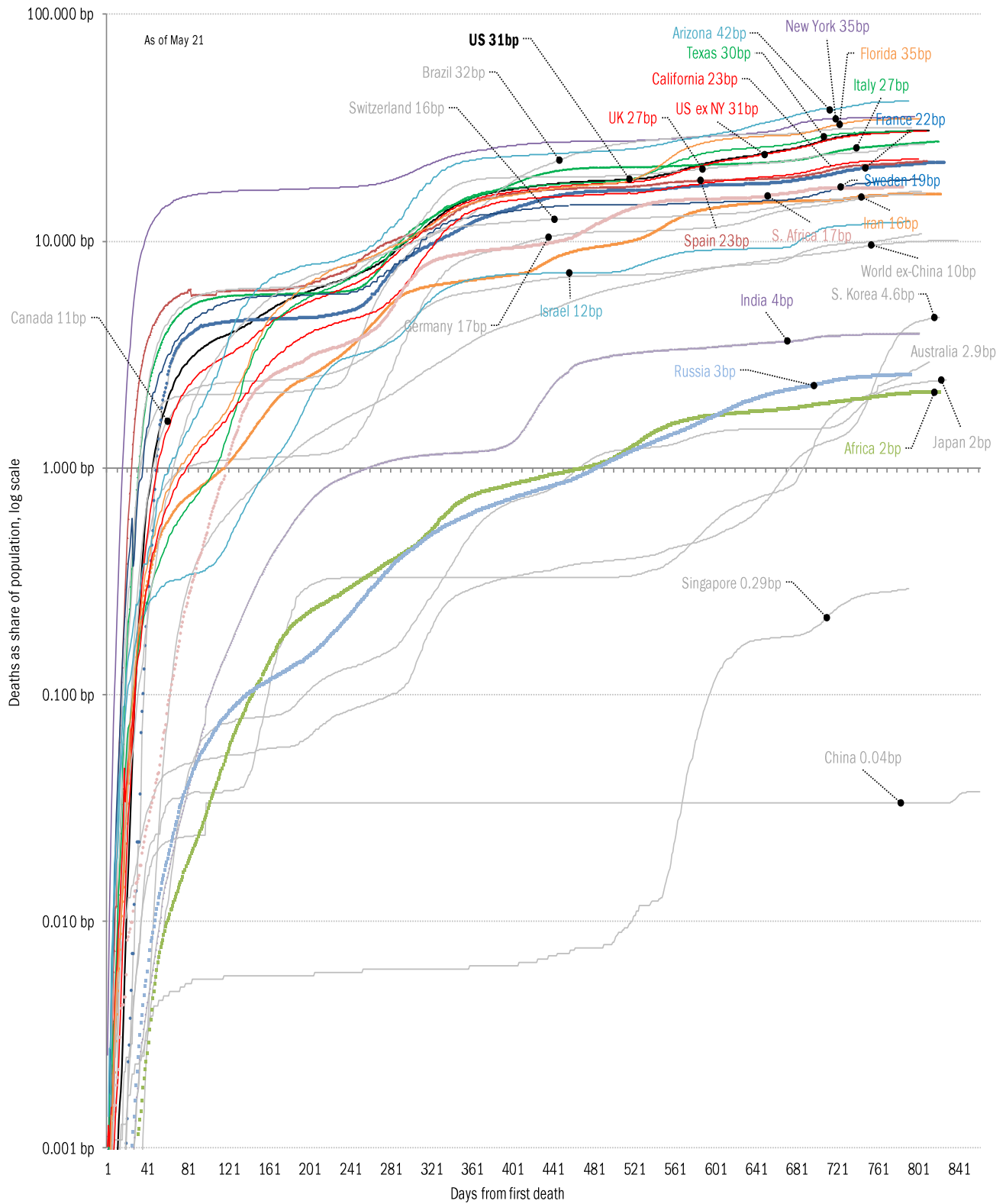
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

The 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 coronavirus mortality accelerometer ... tracking the world's fatality curves
Share of deceased population from day of first fatality, log scale

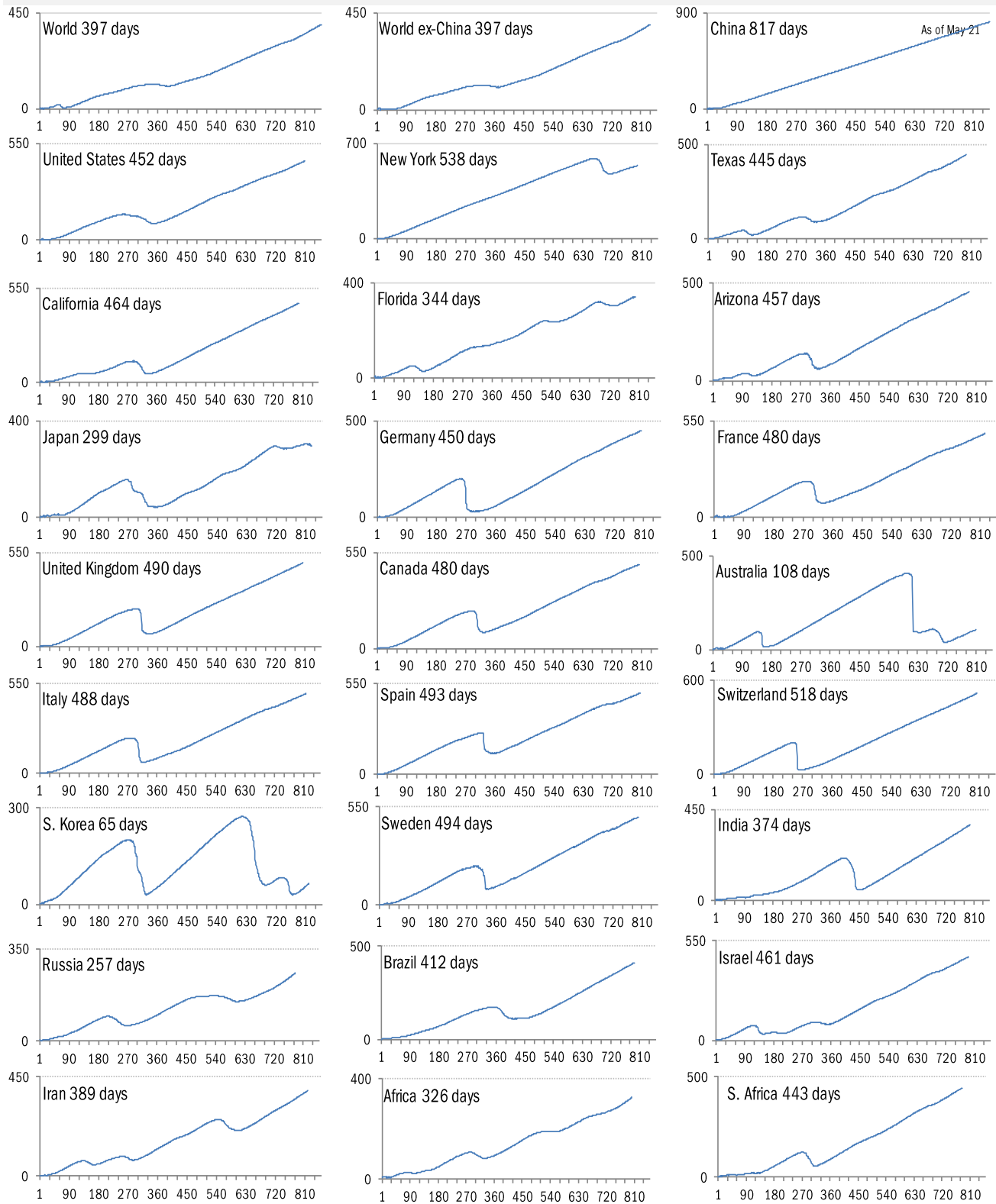


Source: [Johns Hopkins](#), TrendMacro calculations

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

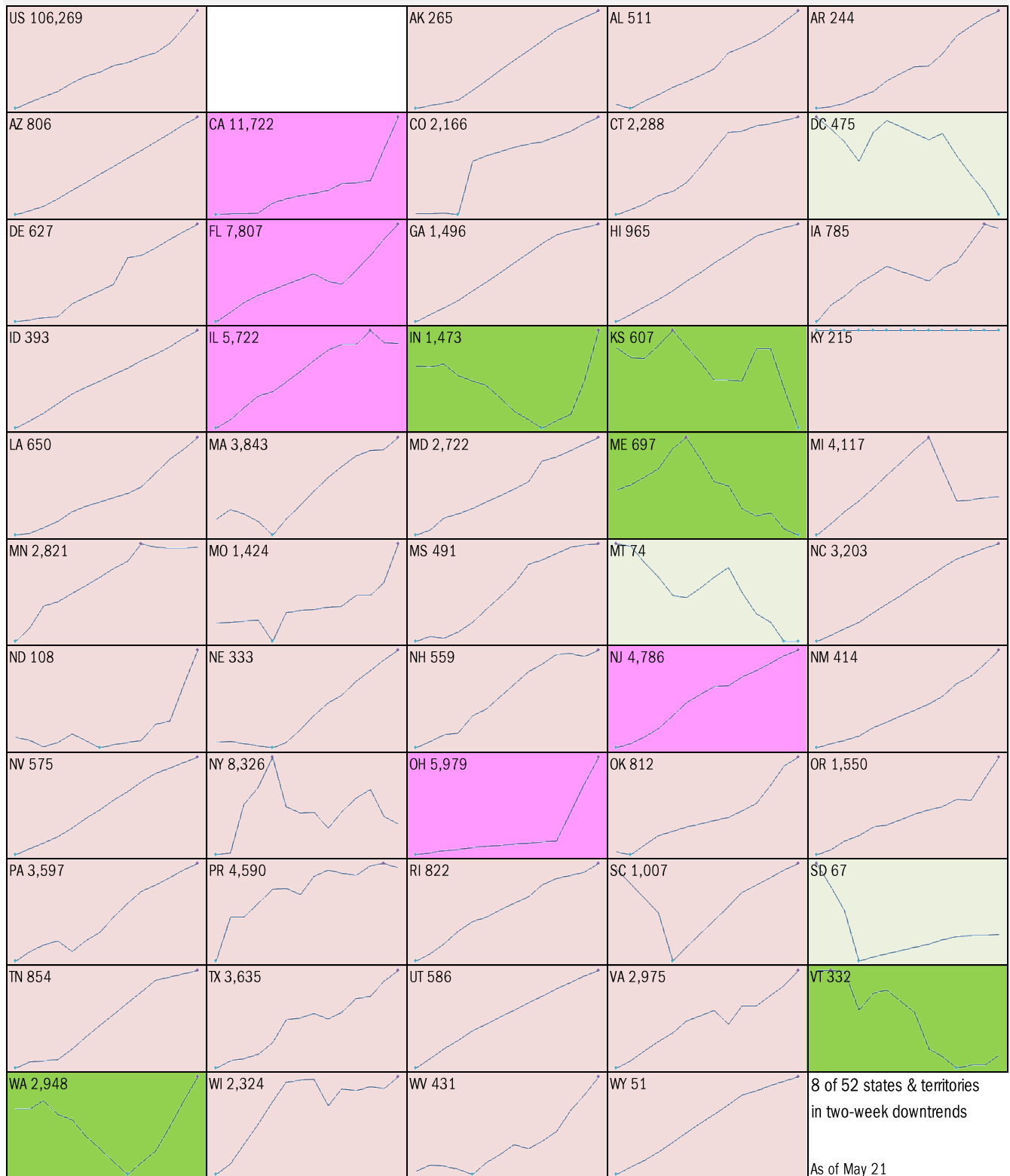


Source: [Johns Hopkins](#), TrendMacro calculations

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

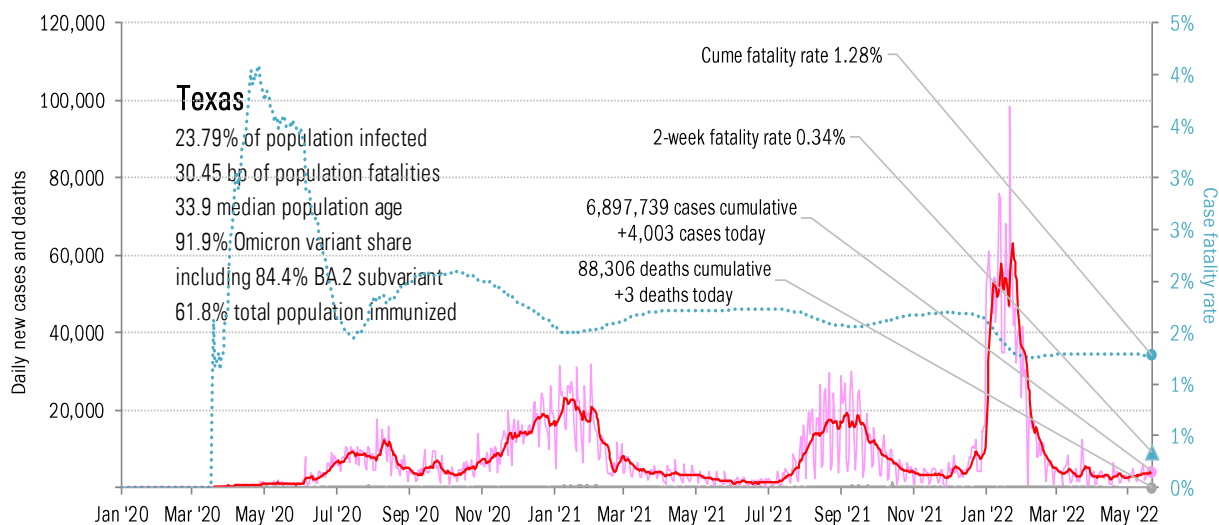
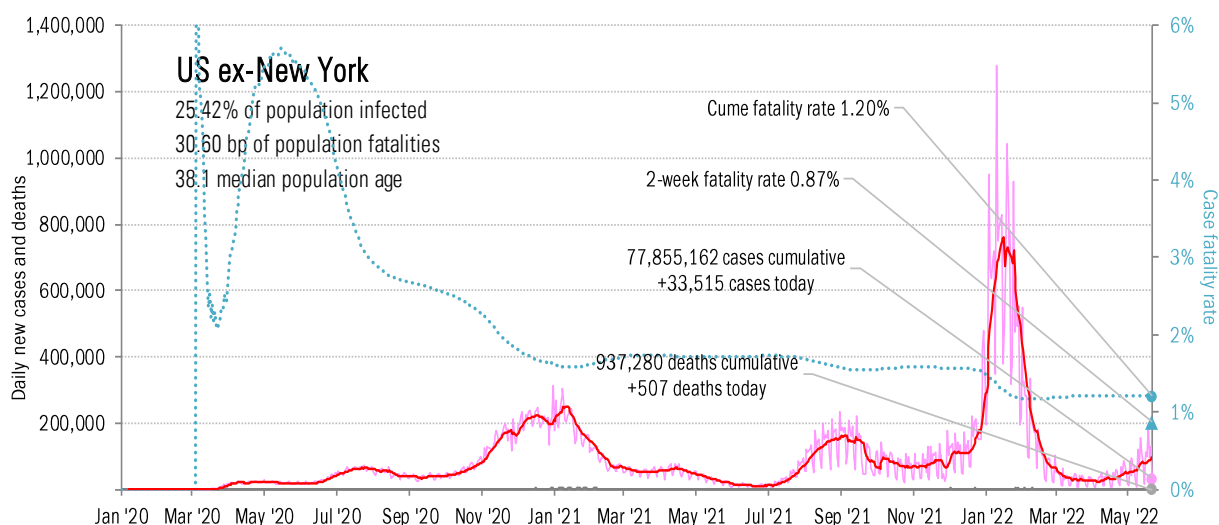
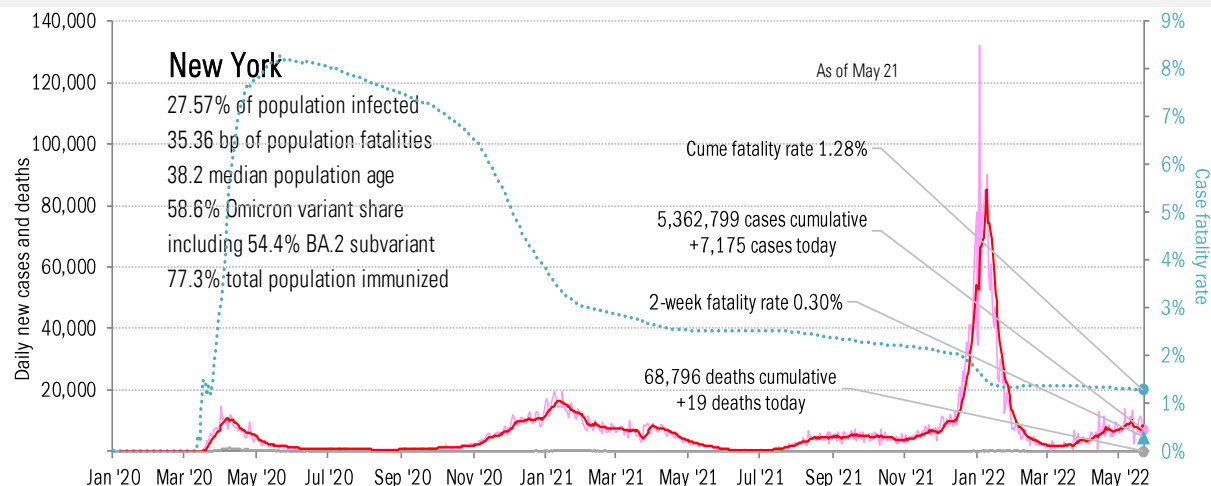
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



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

From Ground Zero to the Rio Grande

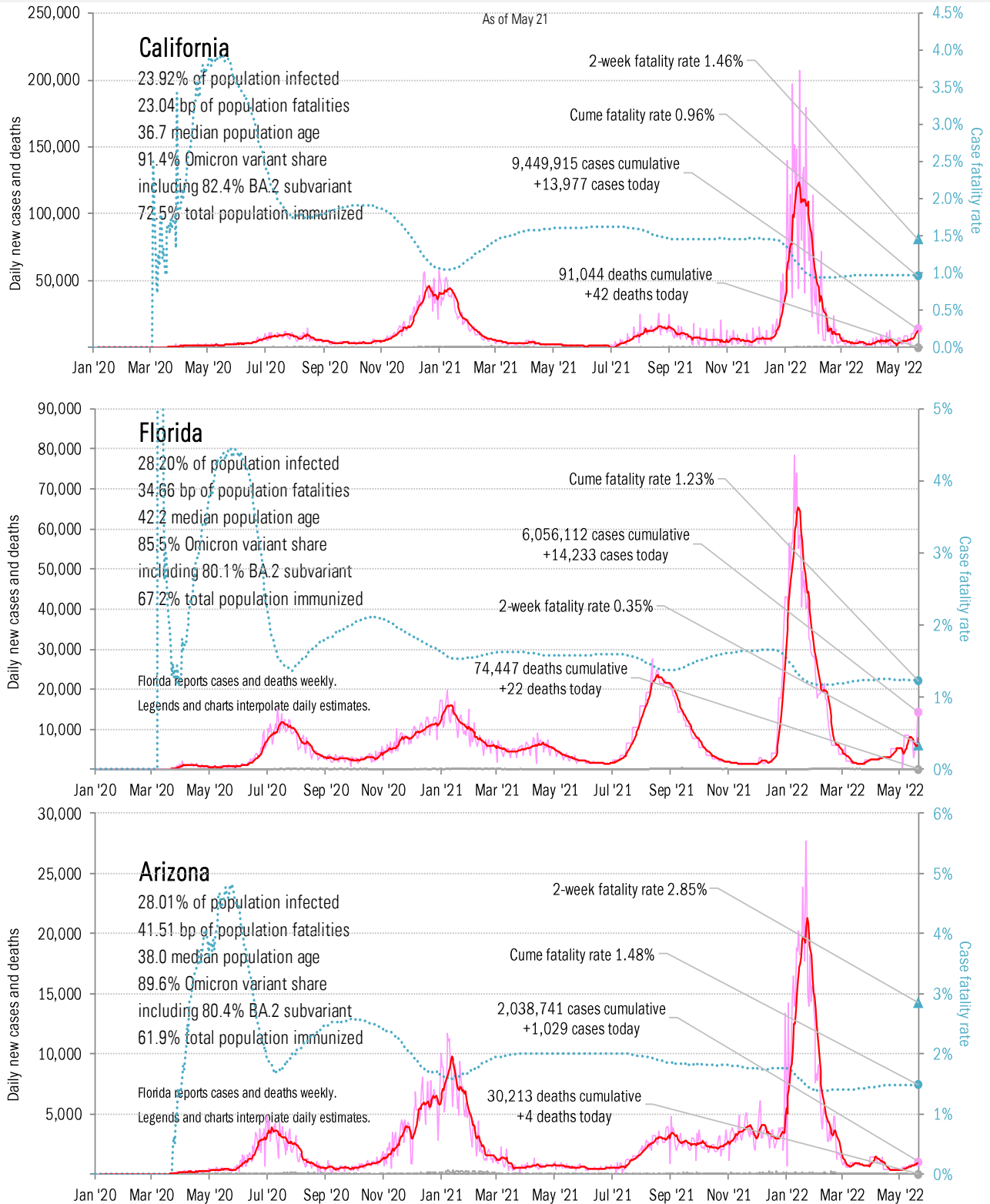
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states

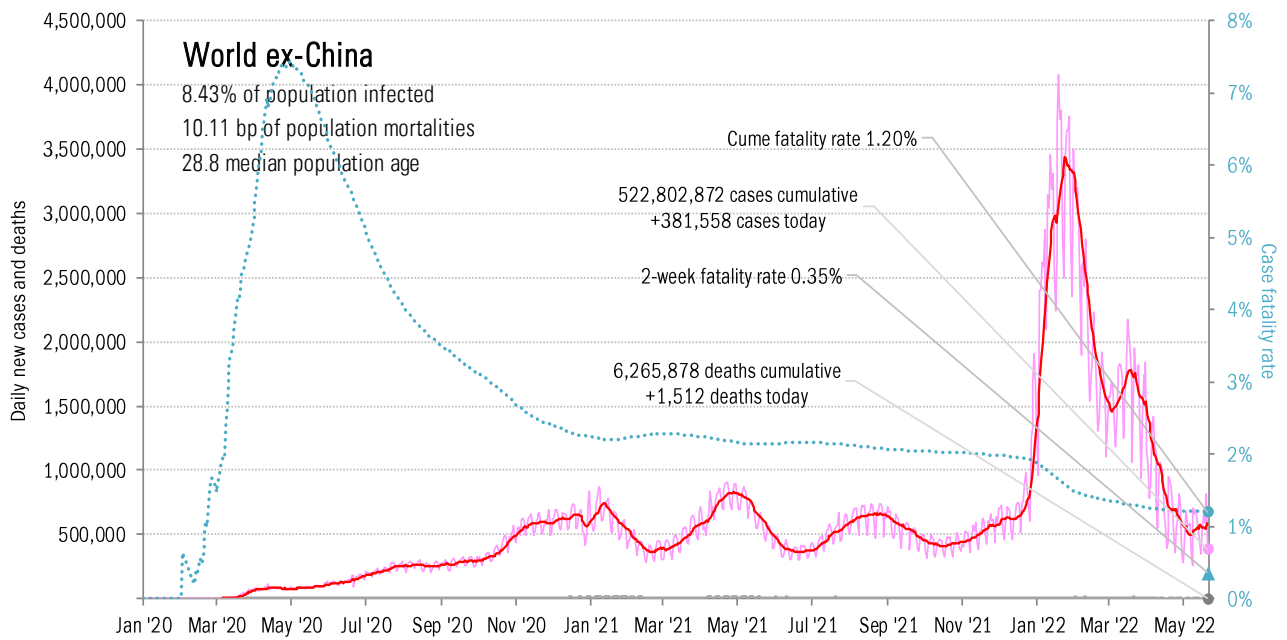
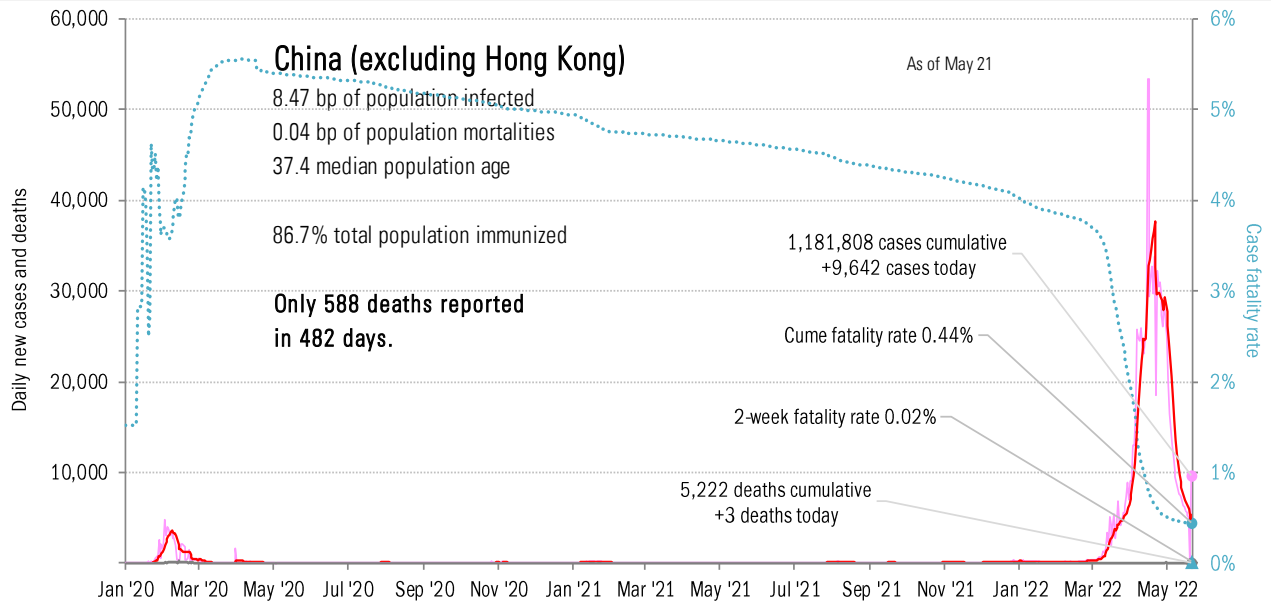
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

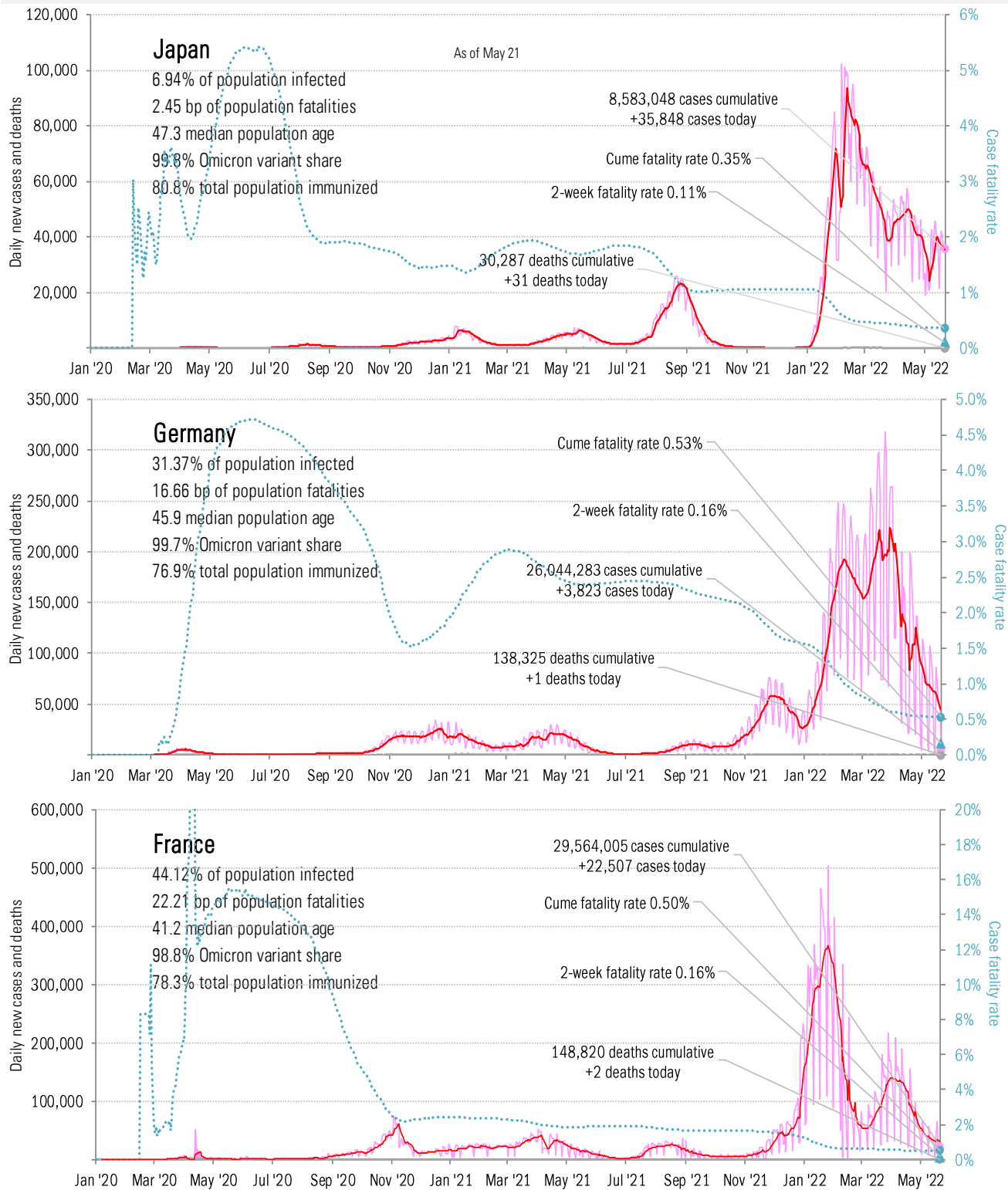
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

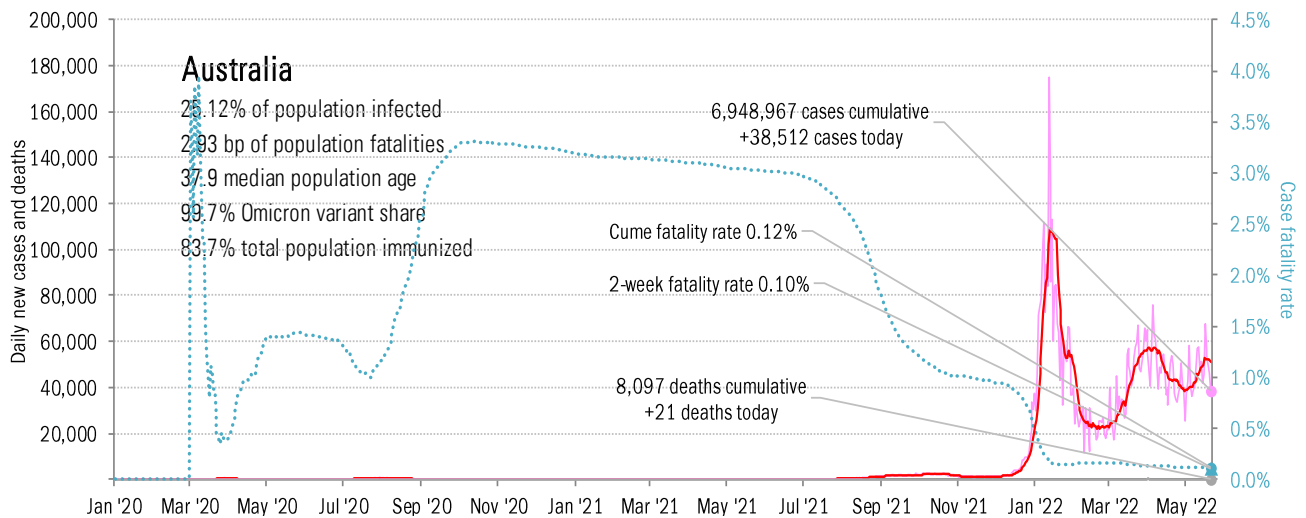
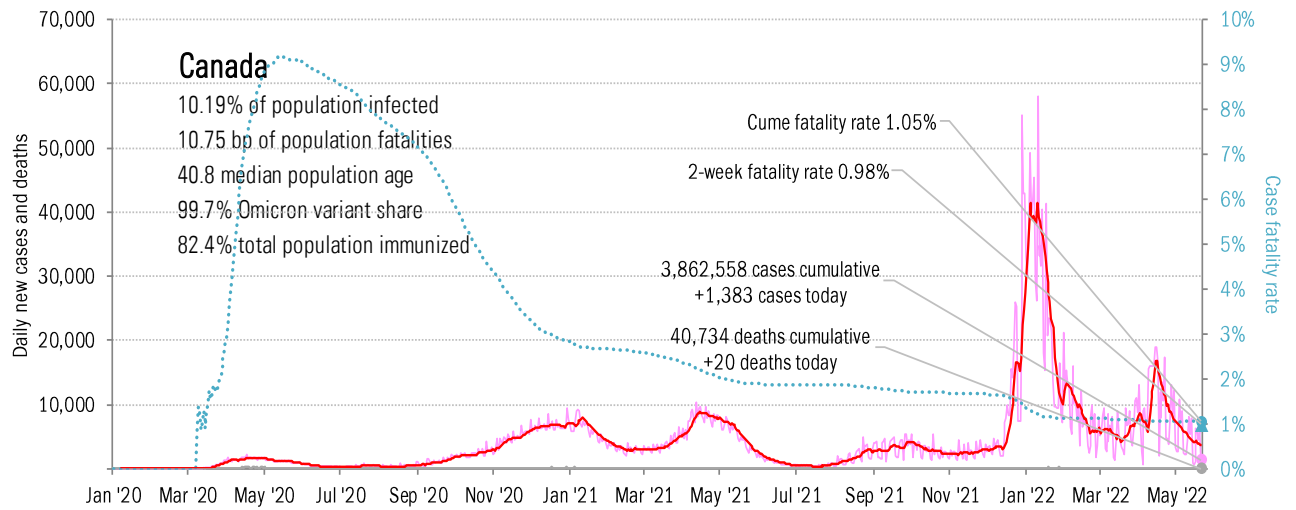
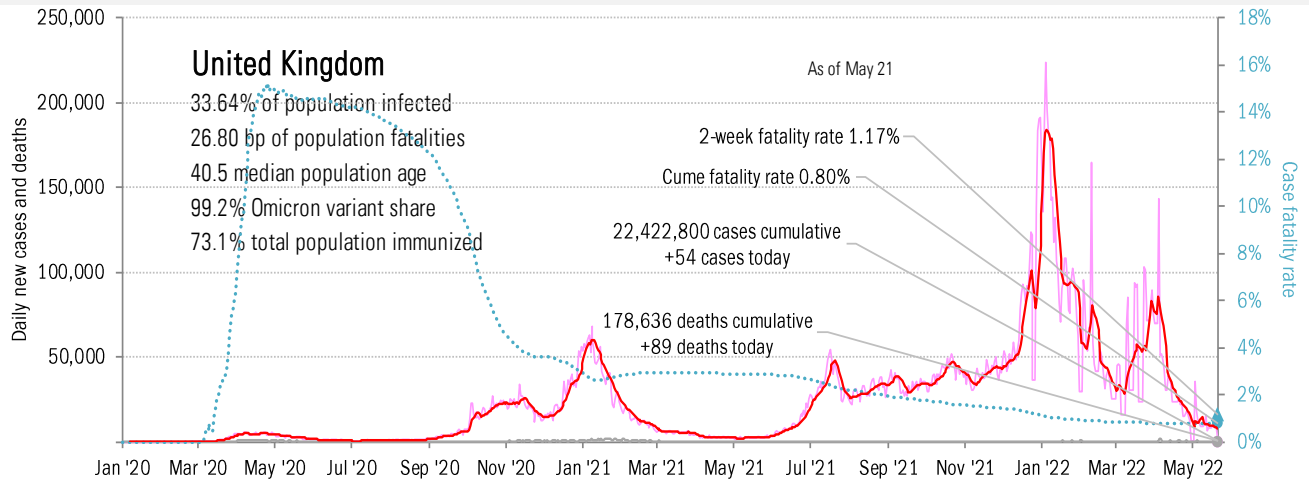
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

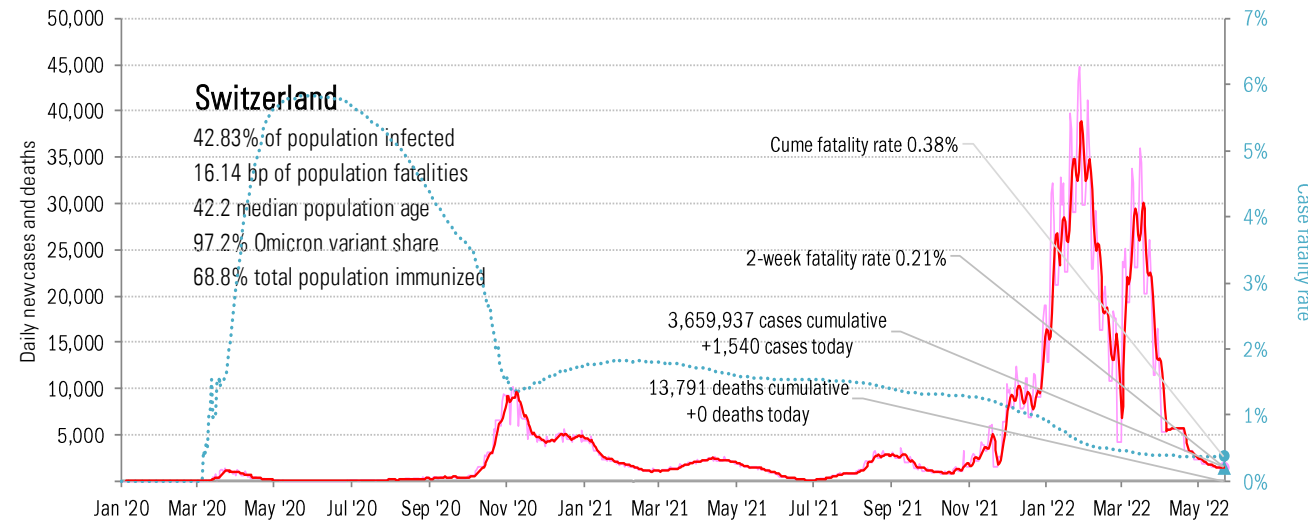
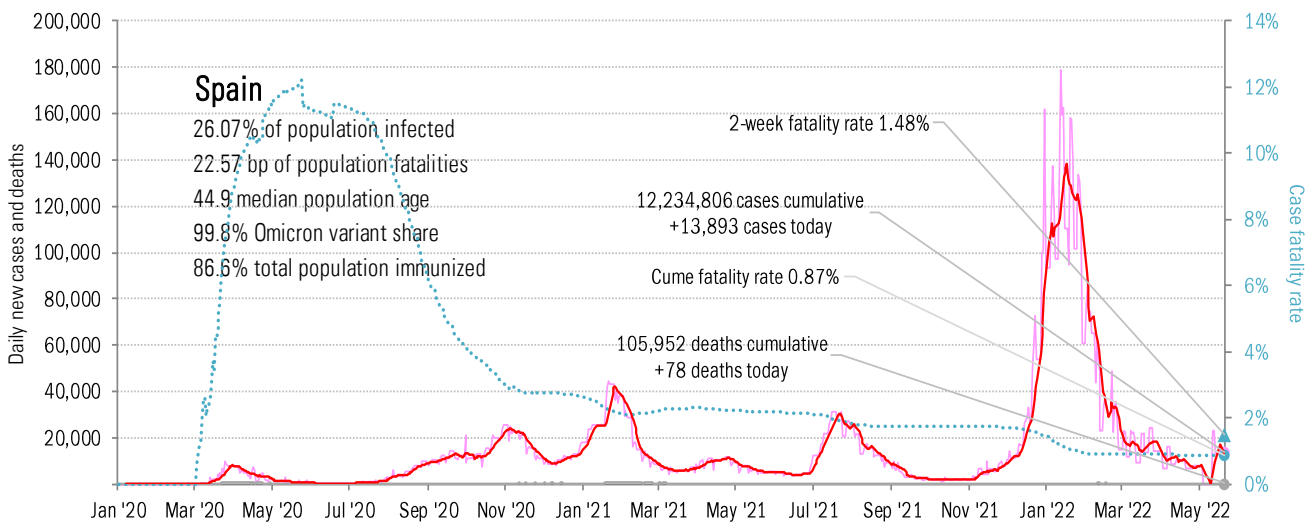
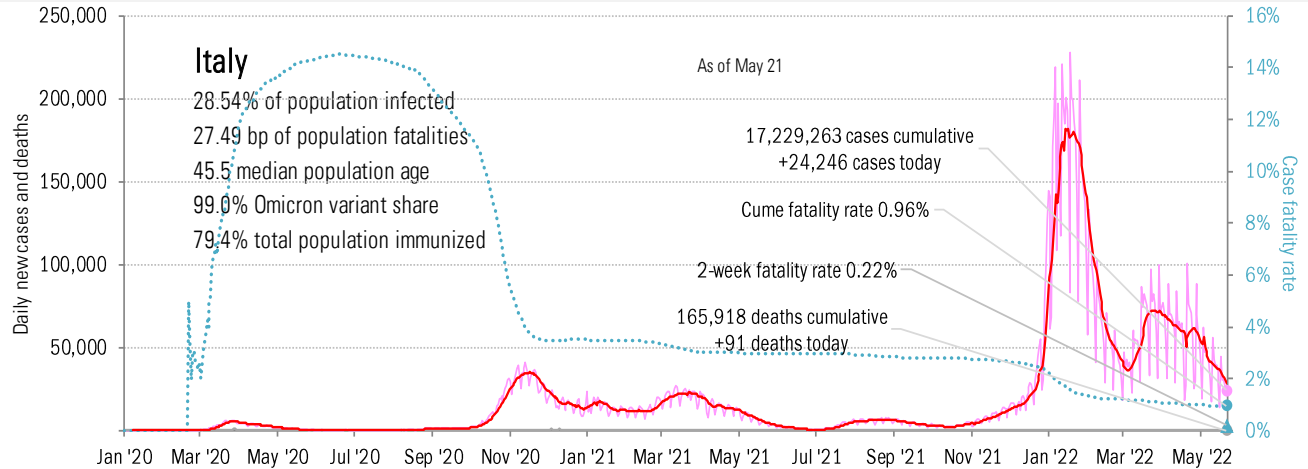
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

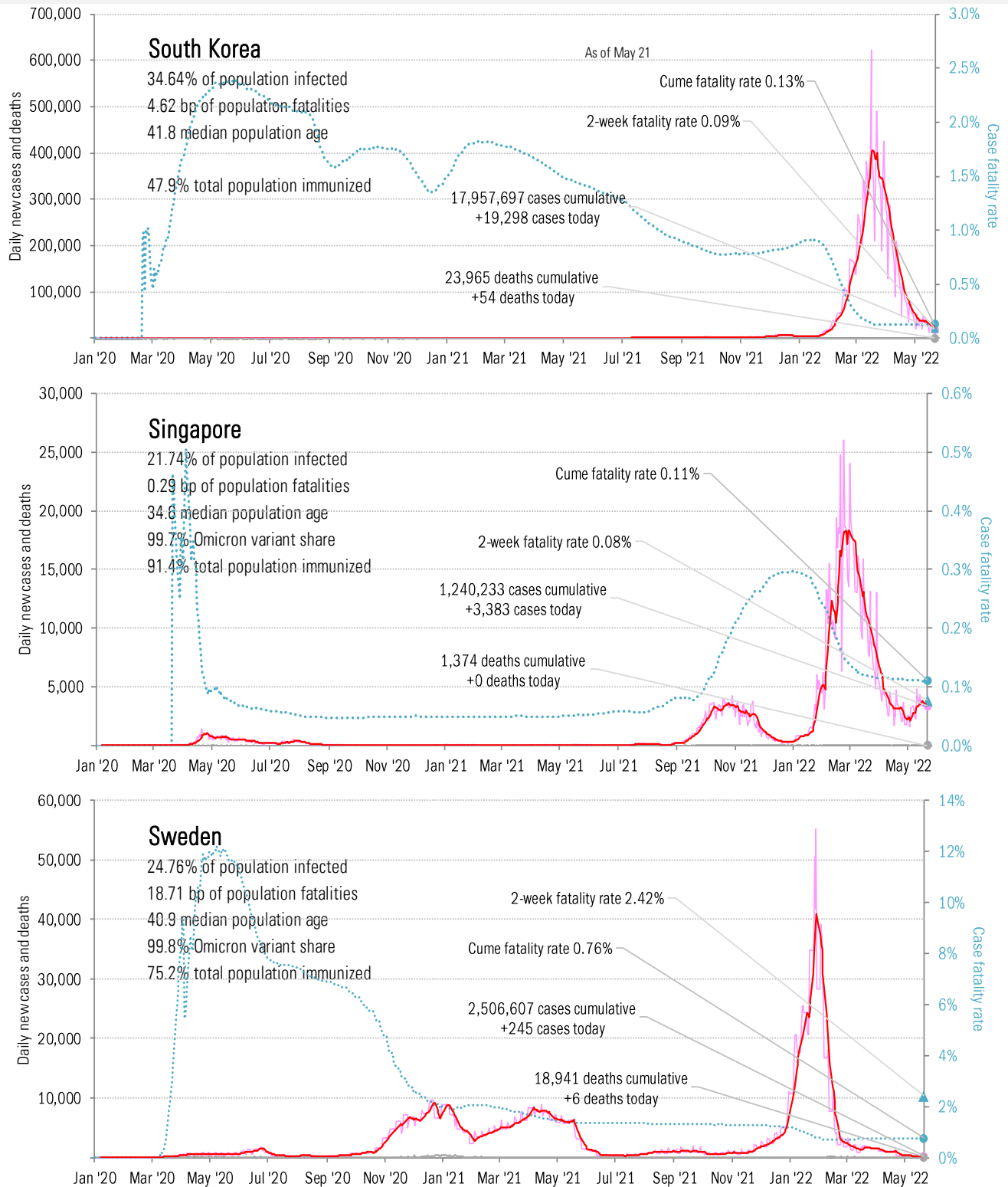
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

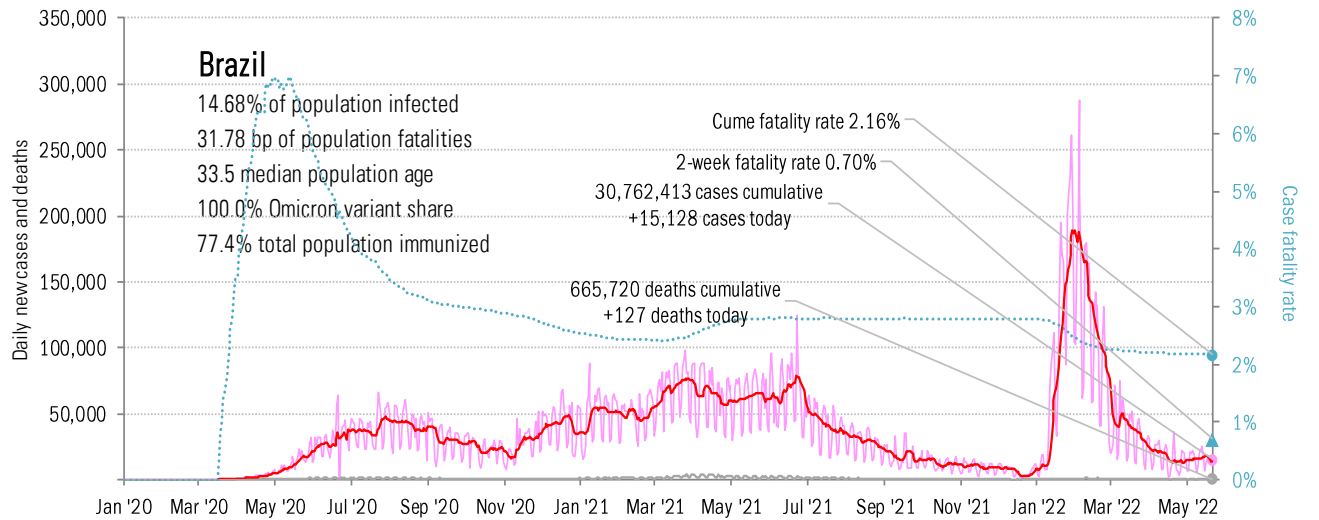
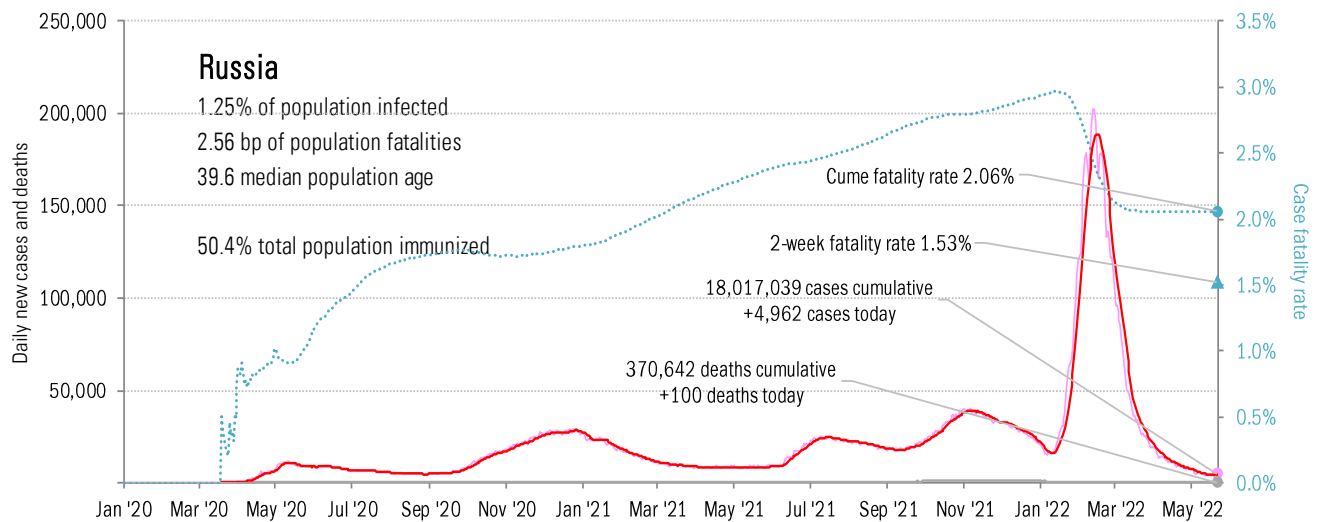
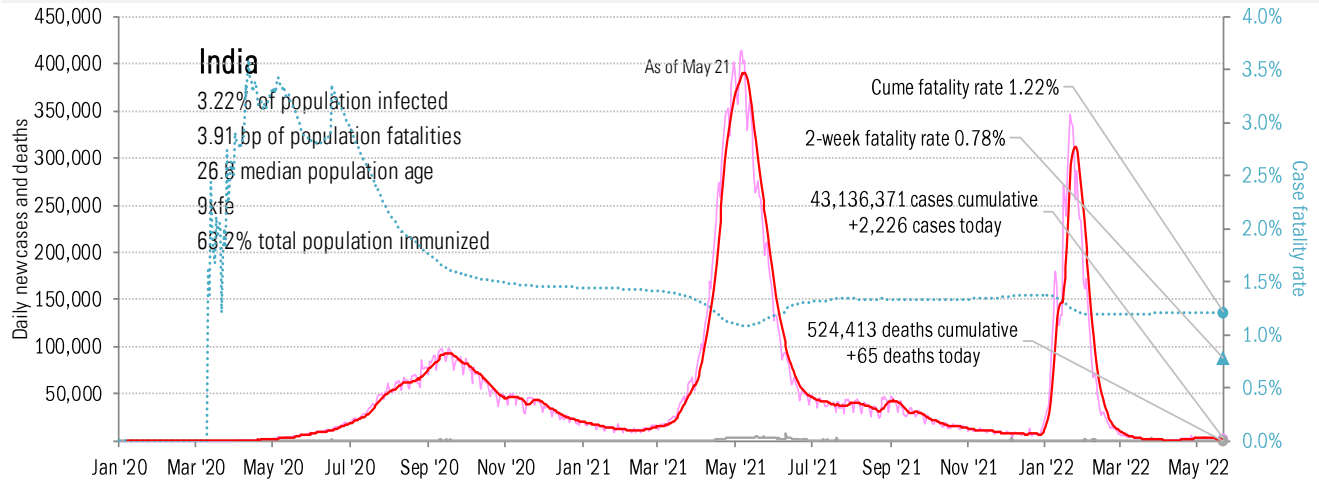
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

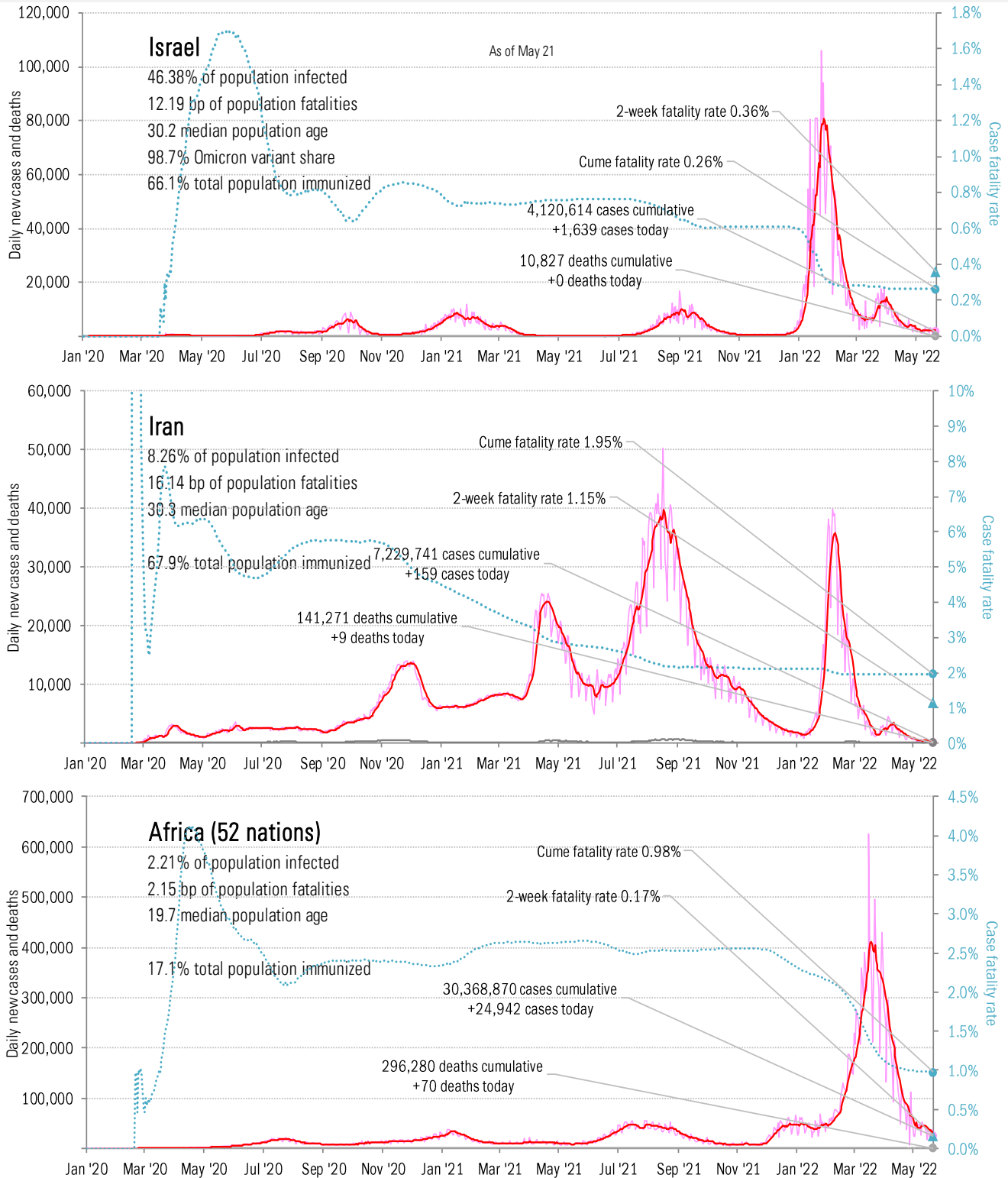
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

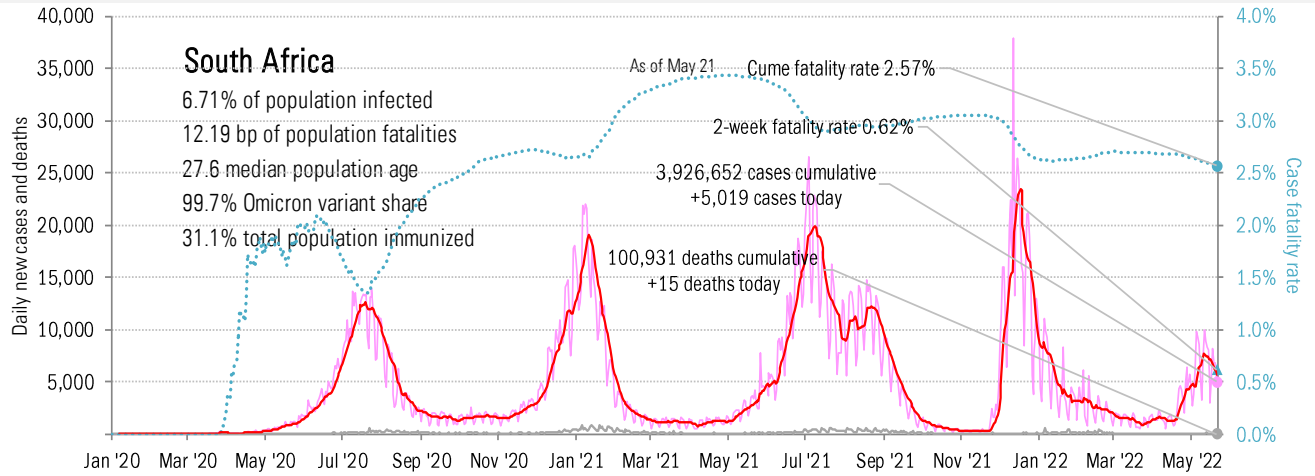
Cases: **7-day average** and **daily** Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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