

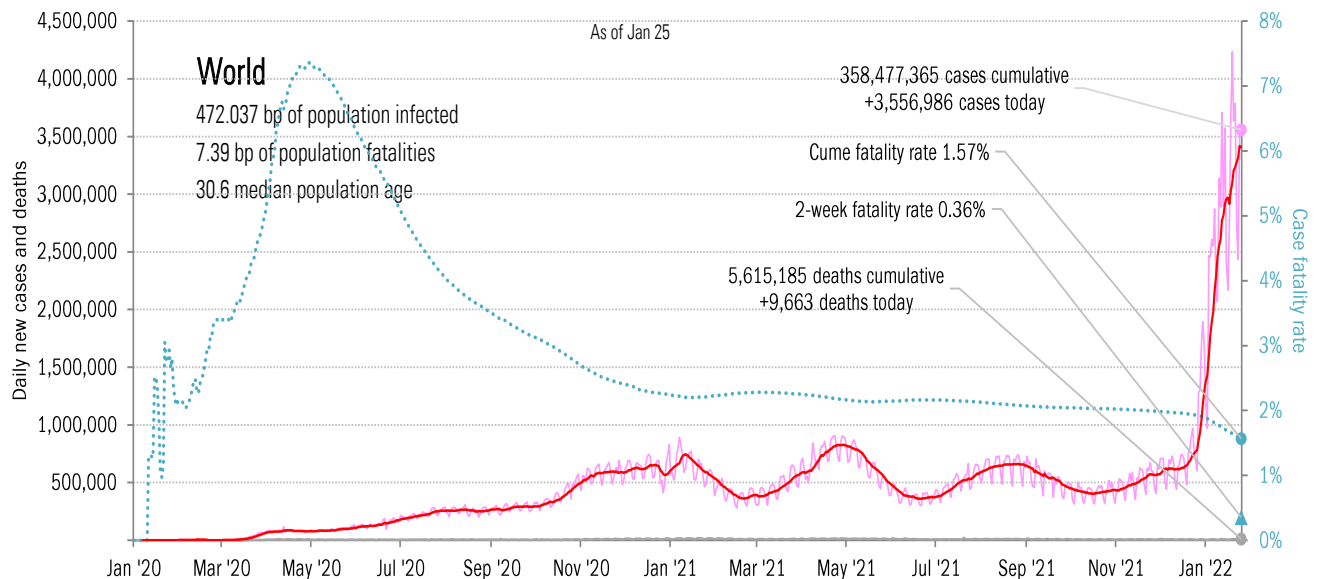
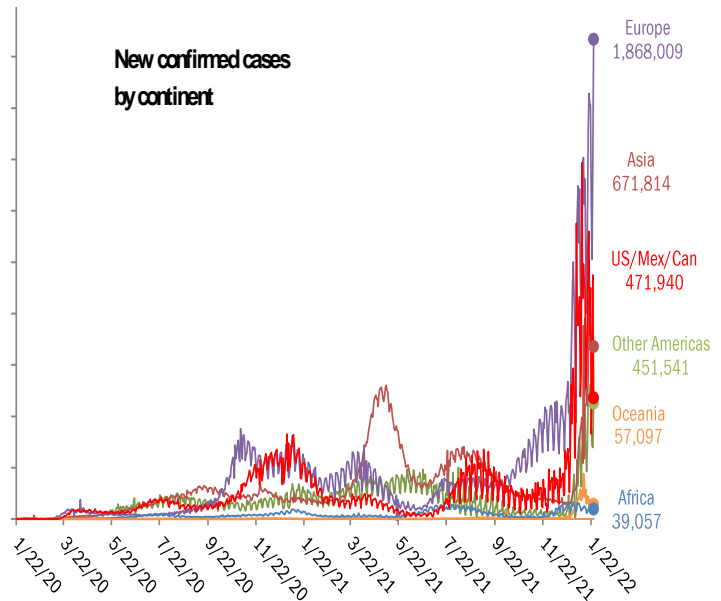
Data Insights: Covid-2019 Monitor

Wednesday, January 26, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
France	503,349	United States	2,436
United States	427,038	Russia	666
India	285,914	India	665
Italy	211,277	Brazil	493
Brazil	200,290	Mexico	475
Germany	179,169	France	470
Sweden	138,985	Italy	468
Spain	114,877	United Kingdom	445
Argentina	100,863	Spain	382
United Kingdom	95,445	Colombia	260
2,257,207		6,760	
World 3,556,986		World 9,663	
Top ten 63%		Top ten 70%	



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

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The US scorecard

Cases: 7-day average and daily Deaths: Daily

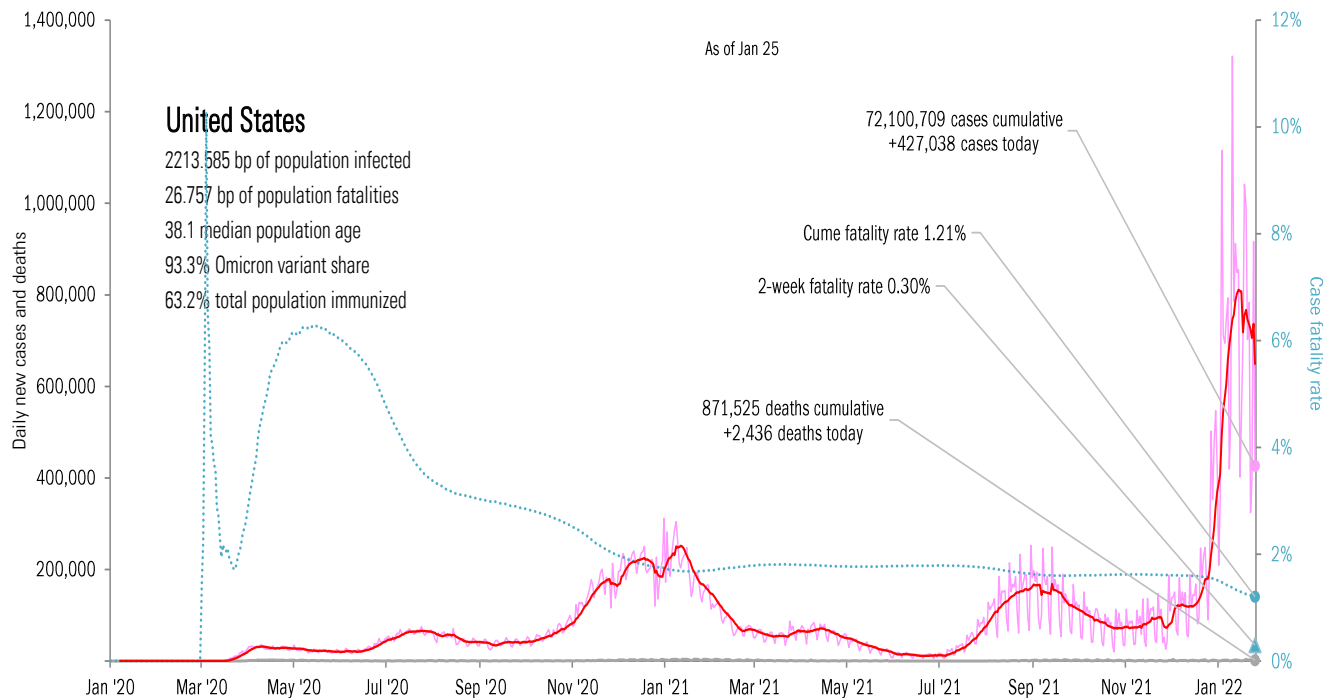
The ten worst US states

New cases			New Deaths		New in hospital		Cum cases		Cum deaths		Cum in hospital		Hospital use		ICU use	
CA	53,176		NY	305	MT	10	CA	7,991,072	CA	78,887	TX	447,014	GA	86%	TX	95%
TX	46,326		PA	189	WY	8	TX	6,050,828	TX	78,332	FL	381,344	DE	85%	AL	94%
MN	35,491		MA	155	LA	5	FL	5,312,595	FL	63,956	CA	380,566	MA	85%	DE	90%
FL	32,794		TX	152	PR	3	NY	4,728,422	NY	63,824	NY	227,519	PA	84%	RI	90%
GA	16,232		NJ	151	AK	2	IL	2,851,567	PA	39,749	GA	188,990	WA	84%	CK	89%
KY	15,046		IN	132	AS	0	PA	2,593,360	IL	32,709	CH	176,671	RI	84%	GA	89%
NY	14,412		FL	130	GU	0	CH	2,520,112	CH	32,489	PA	162,707	MD	83%	MS	88%
AZ	13,972		IL	121	MP	0	NC	2,303,196	GA	32,488	IL	145,336	MN	83%	NV	88%
IL	13,706		LA	102	ND	0	GA	2,288,693	MI	31,539	MI	130,221	NY	82%	MO	86%
NC	13,017		VI	102	VI	-2	MI	2,168,367	NJ	30,950	KY	129,023	WV	82%	NH	86%
254,172			1,539		26		38,808,212		484,923		2,369,391					
All states 427,038			2,436		-4,811		All states 72,100,709		871,525		4,277,399		All states 70%		67%	
Top ten 60%			63%		-1%		Top ten 54%		56%		55%		Median 78%		80%	

Some states not reporting

Five most improved US states

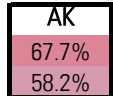
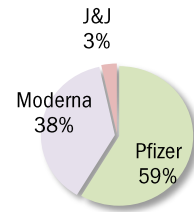
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
NC	-64,410	IL	-189	CA	-682	MP	+20 bp
WA	-51,476	CA	-93	TX	-511	AK	+10 bp
IL	-50,793	CK	-84	FL	-478	AR	+10 bp
CA	-47,674	KY	-53	MI	-209	KS	+10 bp
MI	-44,142	WA	-53	AL	-193	MI	+10 bp



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	549,896,998		+1.044 million	US	63.2%	75.7%
Boosters	85,960,700		+0.482 million	UK	70.7%	76.6%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	258,765,975	77%	216,730,190	65%	+0.223 million	France 75.9% 79.6%
Age 12 to 17	16,957,278	67%	14,179,479	56%	+0.924 million	Spain 81.8% 87.3%
Age 18 to 64	174,717,324	86%	146,654,992	72%	+0.073 million	Germany 72.8% 74.8%
Age 65 and over	58,501,172	100%	50,038,229	91%	+0.008 million	Italy 75.8% 82.6%
						Australia 78.1% 83.3%
						Israel 65.3% 72.0%
						Canada 78.5% 84.8%
						Japan 79.1% 80.4%
						Africa 10.5% 15.7%
						India 49.5% 66.9%
						Brazil 69.7% 78.8%
						China 84.8% 87.6%



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



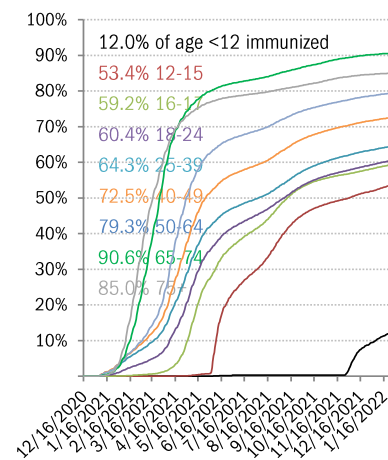
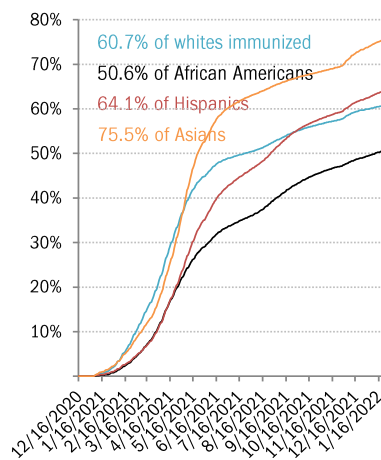
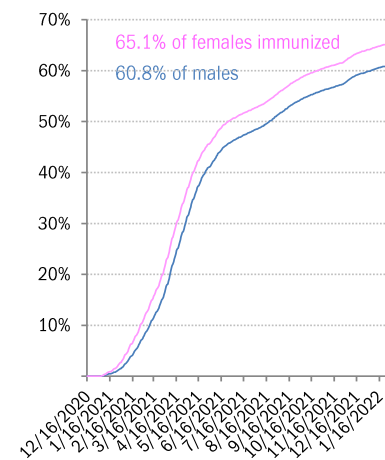
Immunity = two doses

As of Jan 27

Global data differs due to sources, timing

State	At least partial immunity as % population	Full immunity as % population
AK	67.7%	58.2%
WI	70.1%	63.3%
ME	88.3%	77.3%
WA	78.4%	69.7%
ID	59.3%	52.0%
MT	63.6%	55.1%
ND	63.8%	53.8%
MN	73.2%	66.8%
IL	75.0%	65.8%
MI	65.0%	58.0%
NY	87.1%	73.7%
VT	91.8%	79.2%
NH	95.0%	68.5%
OR	75.8%	67.6%
NV	72.6%	58.2%
WY	56.9%	49.6%
SD	73.5%	58.6%
IA	66.4%	60.2%
IN	59.7%	53.0%
OH	62.1%	56.5%
PA	81.6%	65.4%
NJ	86.9%	72.2%
MA	94.4%	76.1%
CA	86.2%	68.5%
UT	69.4%	60.5%
CO	77.1%	67.9%
NE	68.4%	61.3%
MO	64.4%	54.2%
KY	64.4%	55.5%
WV	63.4%	56.0%
VA	82.9%	70.4%
MD	83.3%	72.3%
CT	92.1%	76.3%
RI	94.0%	78.5%
AZ	69.7%	58.5%
NM	84.0%	68.0%
KS	72.2%	58.8%
AR	64.8%	52.5%
TN	60.4%	52.5%
NC	80.4%	58.2%
SC	65.4%	54.7%
DC	92.6%	69.7%
DE	79.9%	65.9%
OK	68.9%	54.9%
LA	59.3%	51.5%
MS	57.9%	49.9%
AL	61.0%	49.2%
GA	63.5%	52.6%
TX	69.3%	58.5%
HI	84.6%	75.6%
FL	76.9%	64.8%
PR	91.9%	78.8%

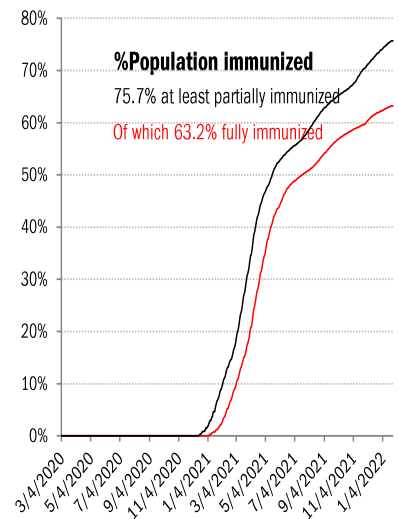
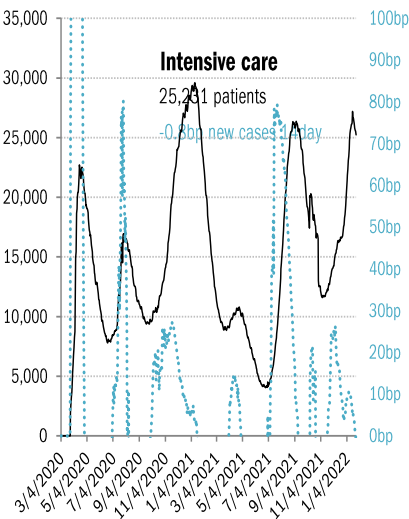
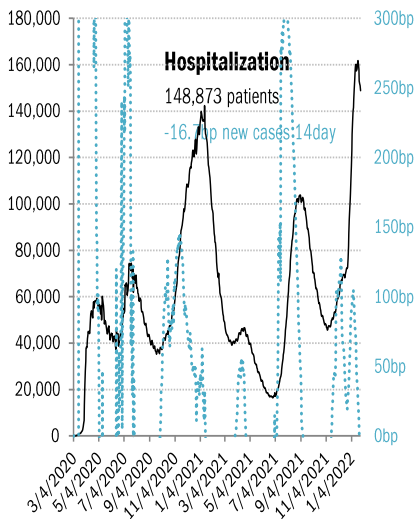
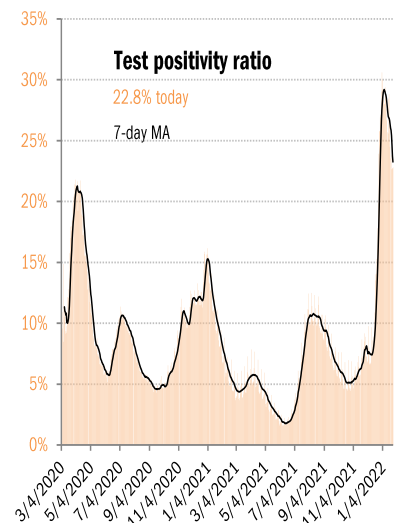
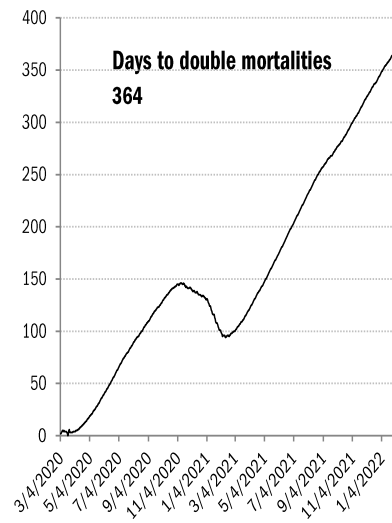
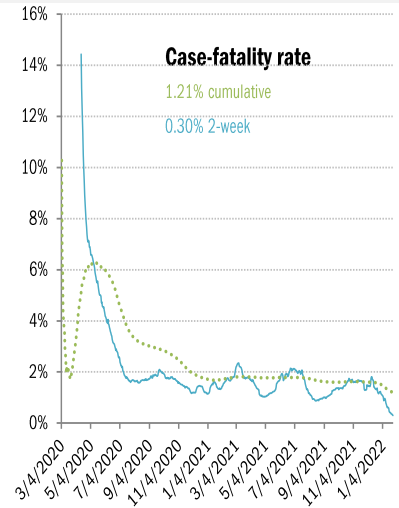
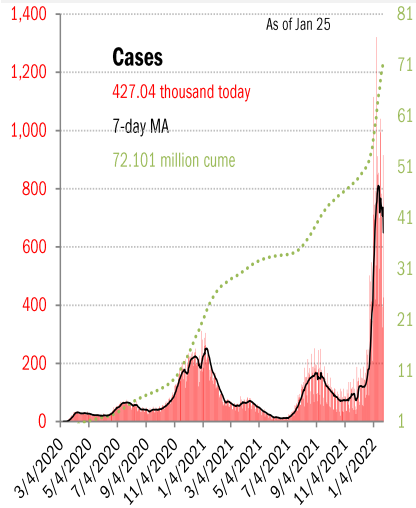
The demographics of US vaccination



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

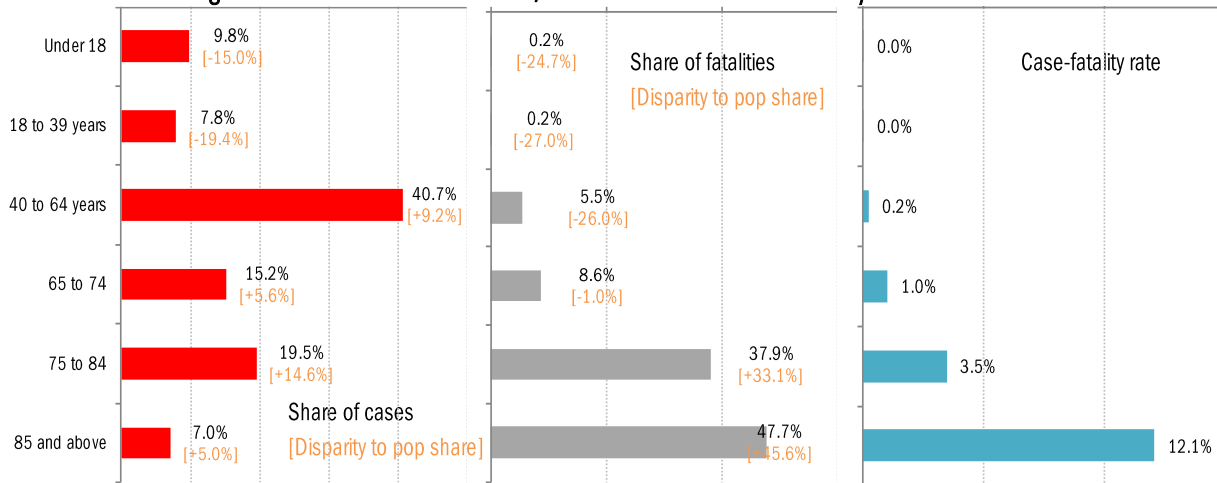
US deep-dive

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

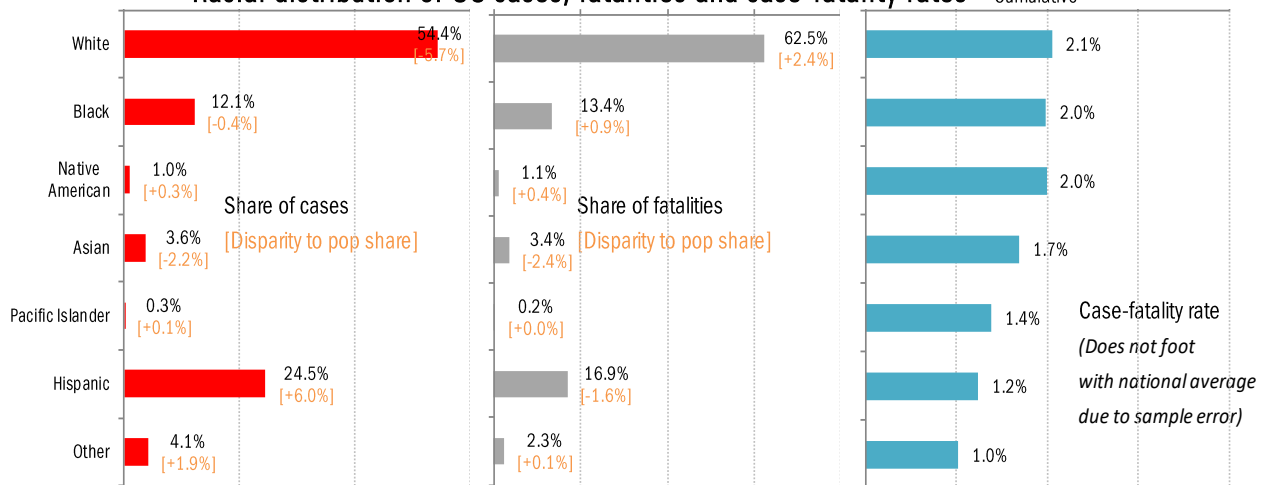


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

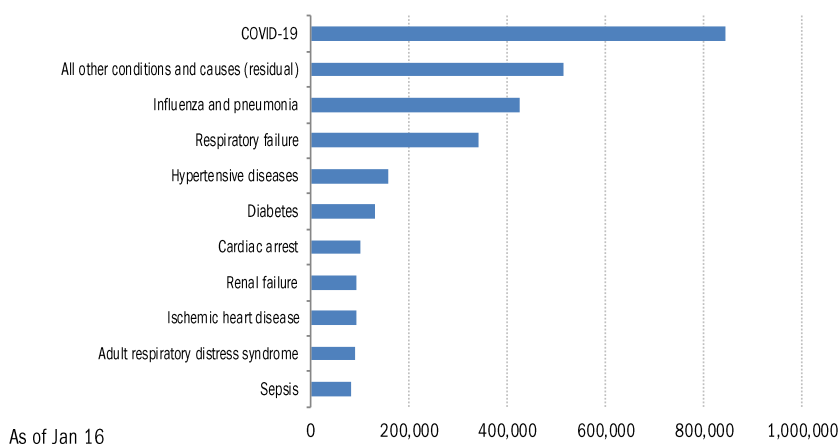


Racial distribution of US cases, fatalities and case-fatality rates



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

[COVID-19 Risk Appears to Vary Across Different Alcoholic Beverages](#)

Xi-jian Dai et al.
Frontiers in Nutrition
January 3, 2022

[How I Outran the Covid Doldrums](#)

Mark Naida
Wall Street Journal
January 25, 2022

[Deaths Months After Covid Point to Pandemic's Grim Aftermath](#)

Jason Gale
Bloomberg
January 25, 2022

[Overall and cause-specific hospitalisation and death after COVID-19 hospitalisation in England: A cohort study using linked primary care, secondary care, and death registration data in the OpenSAFELY platform](#)

Krishnan Bhaskaran et al.
PLOS Medicine
January 25, 2022

[UK ends COVID-19 testing for vaccinated arrivals and reduces testing for unvaccinated](#)

John Waller
The Points Guy
January 24, 2022

[Judge strikes down New York's mask mandate as illegal](#)

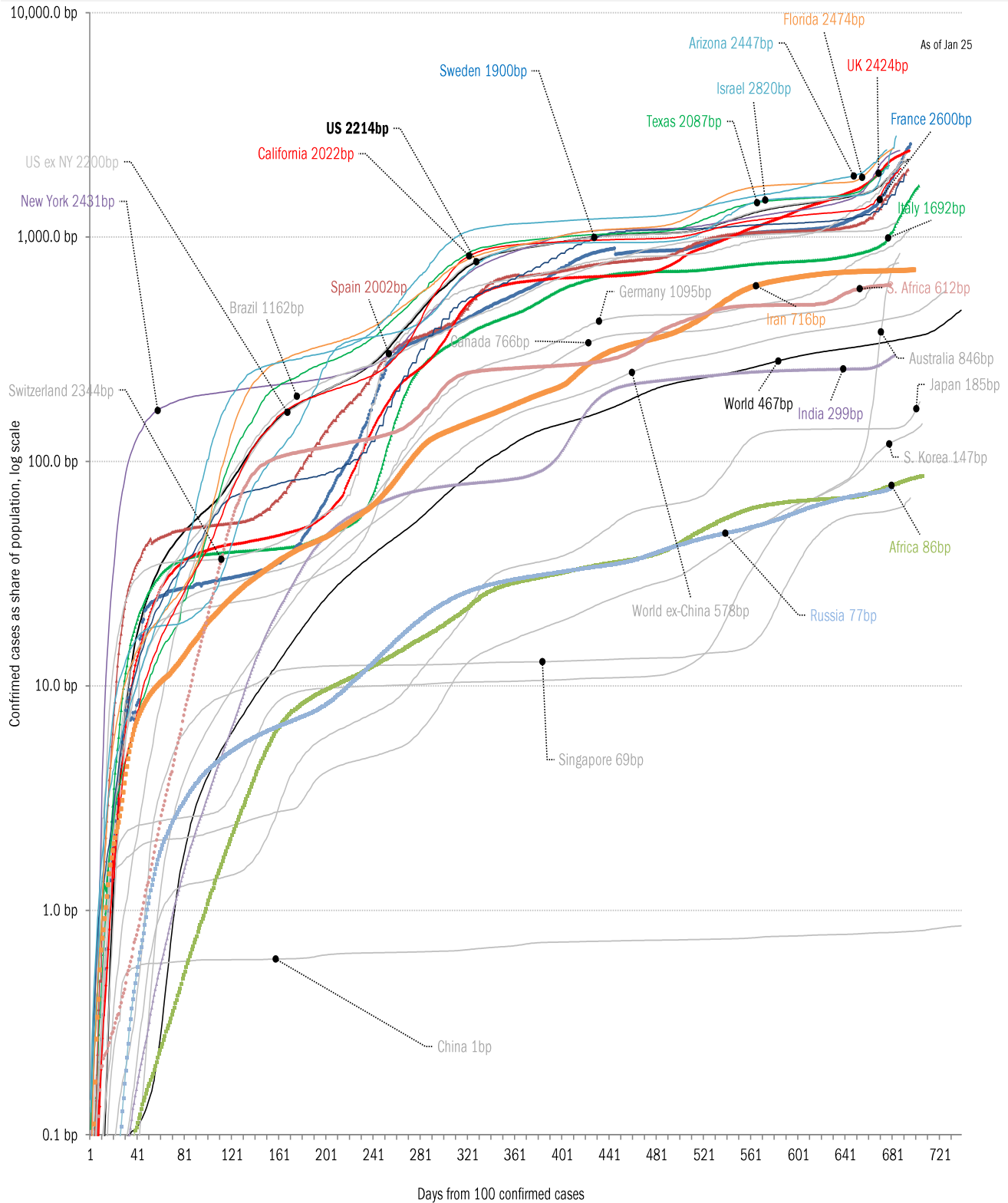
John Solomon
Just the News
January 25, 2022

Meme of the day



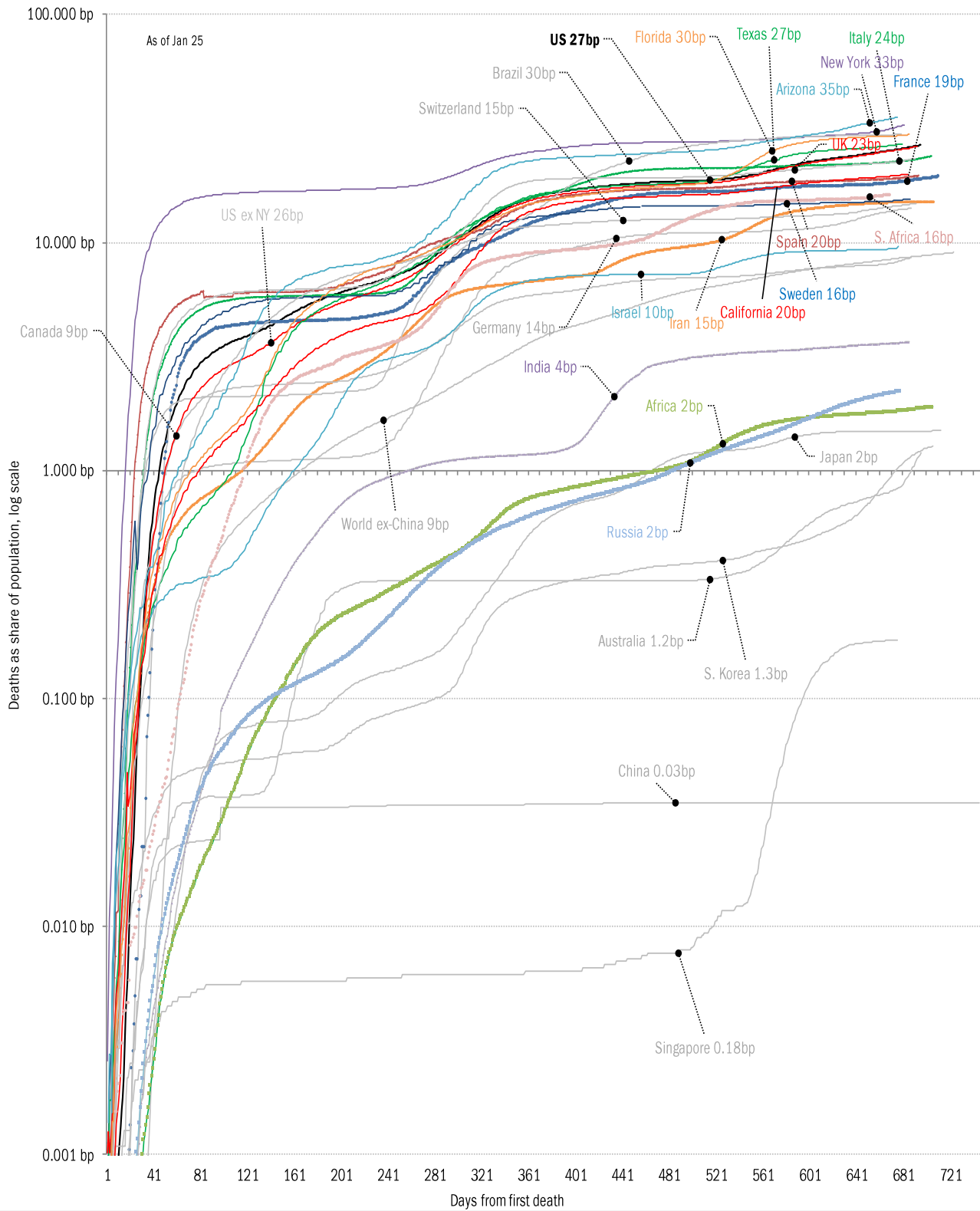
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

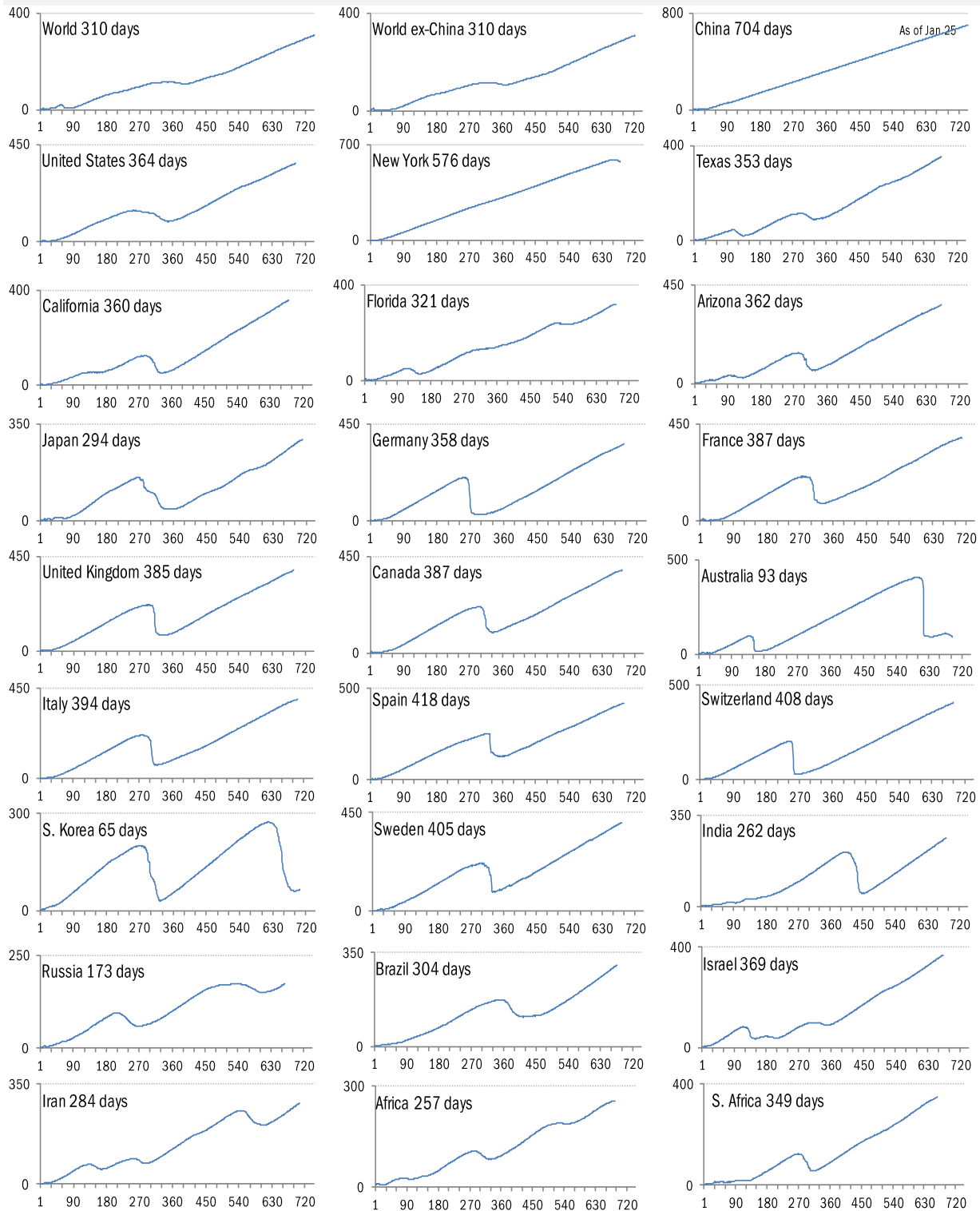


Source: [Johns Hopkins](#), TrendMacro calculations

"Exponential"? Our most reliable evidence of the rate of spread of Covid-19

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

Requirement to [Open Up America Again](#): 14-day "downward 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

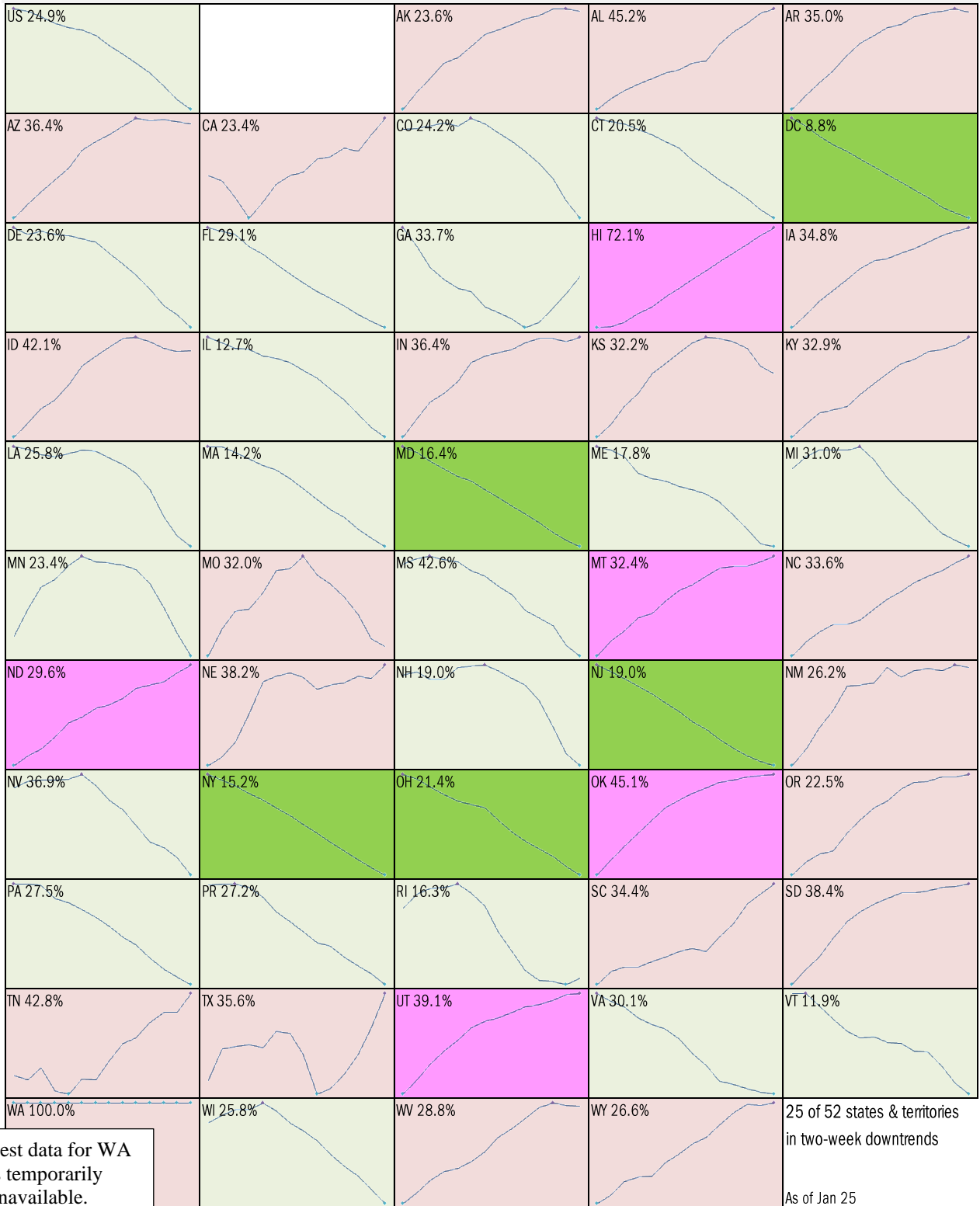


Source: [Johns Hopkins](#), TrendMacro calculations

Alt requirement to [Open Up America Again](#): 14-day "downward trajectory" in pos tests

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

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



25 of 52 states & territories in two-week downtrends

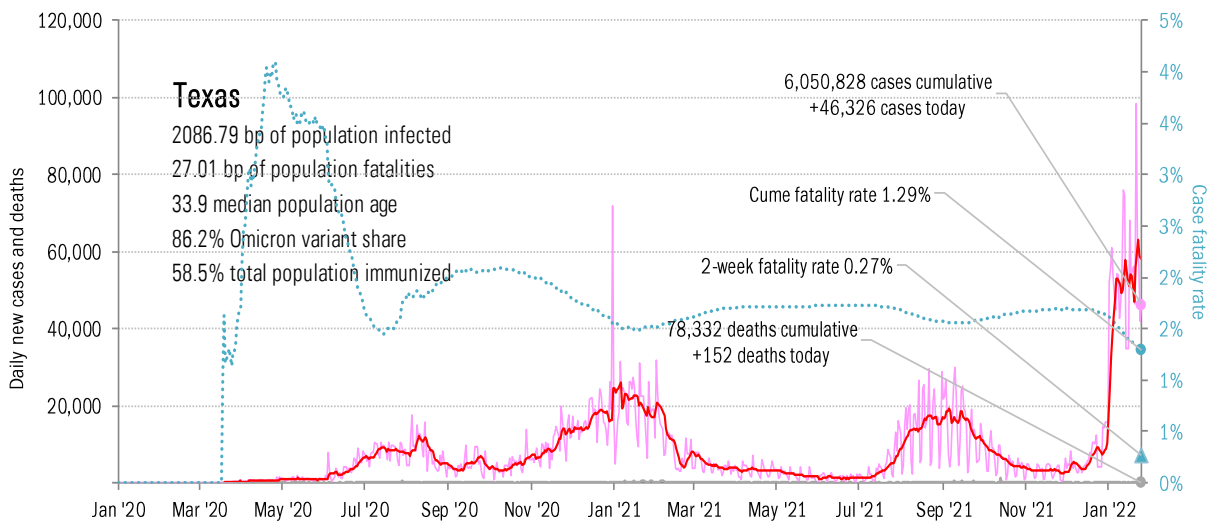
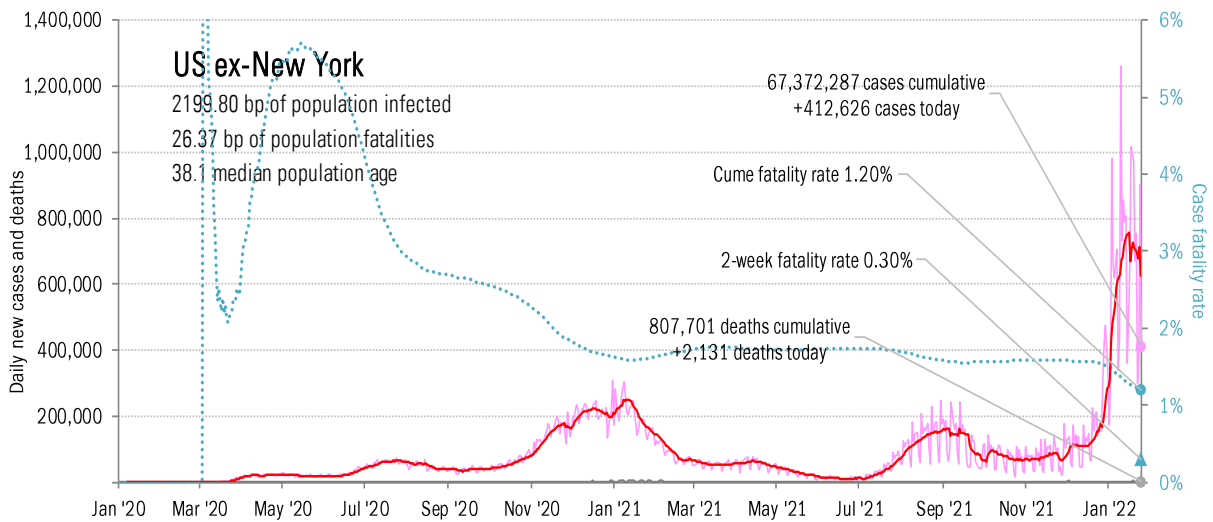
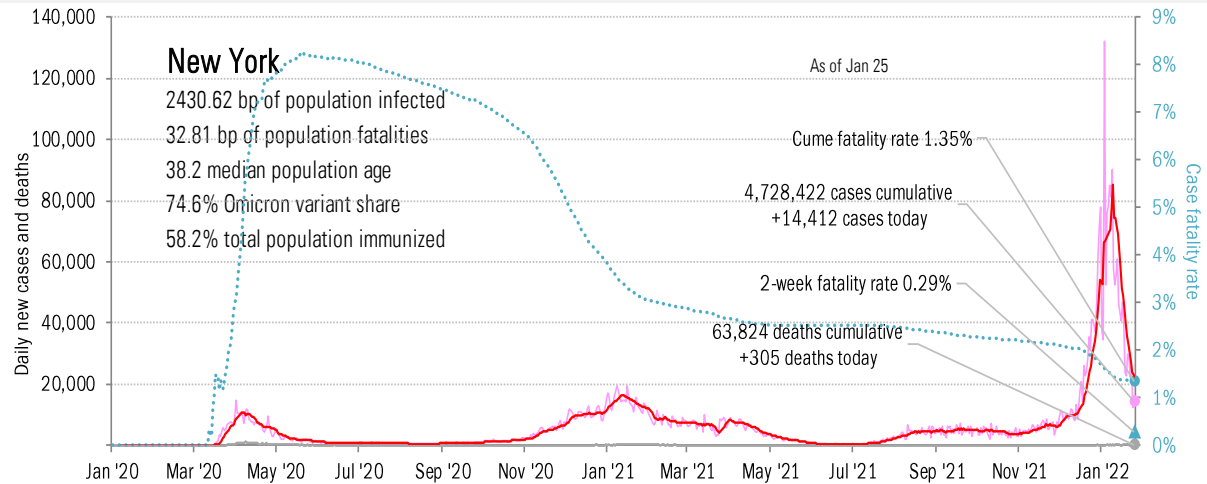
As of Jan 25

Test data for WA is temporarily unavailable.

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

From Ground Zero to the Rio Grande

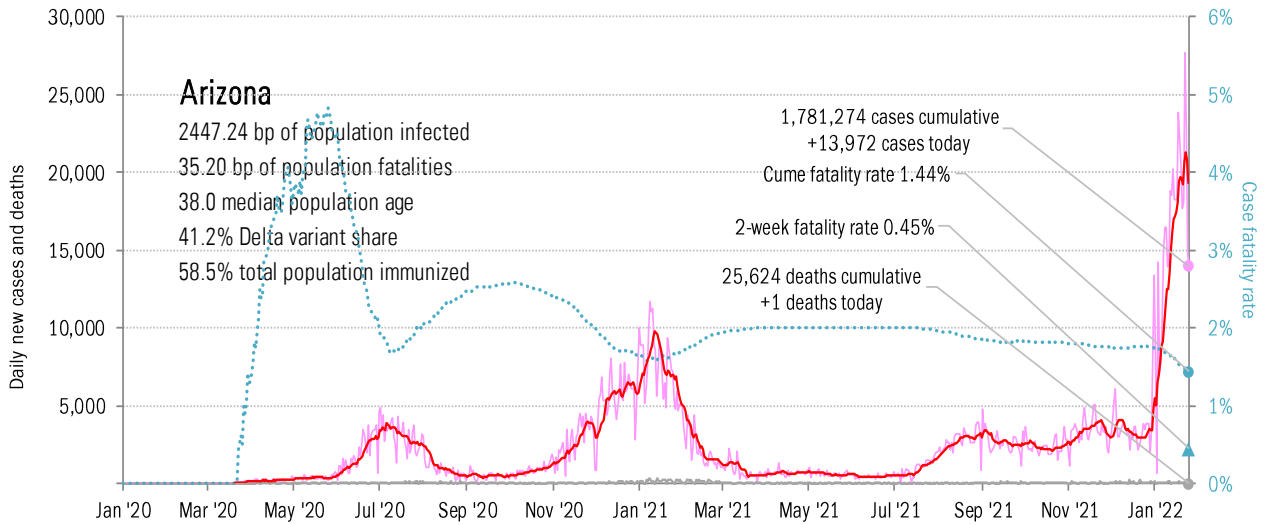
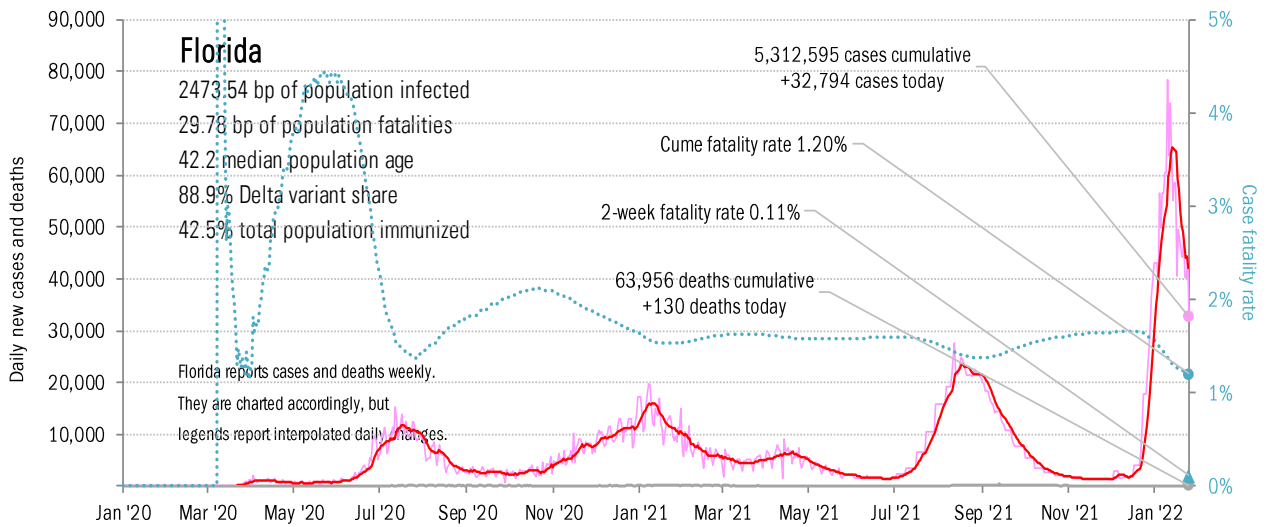
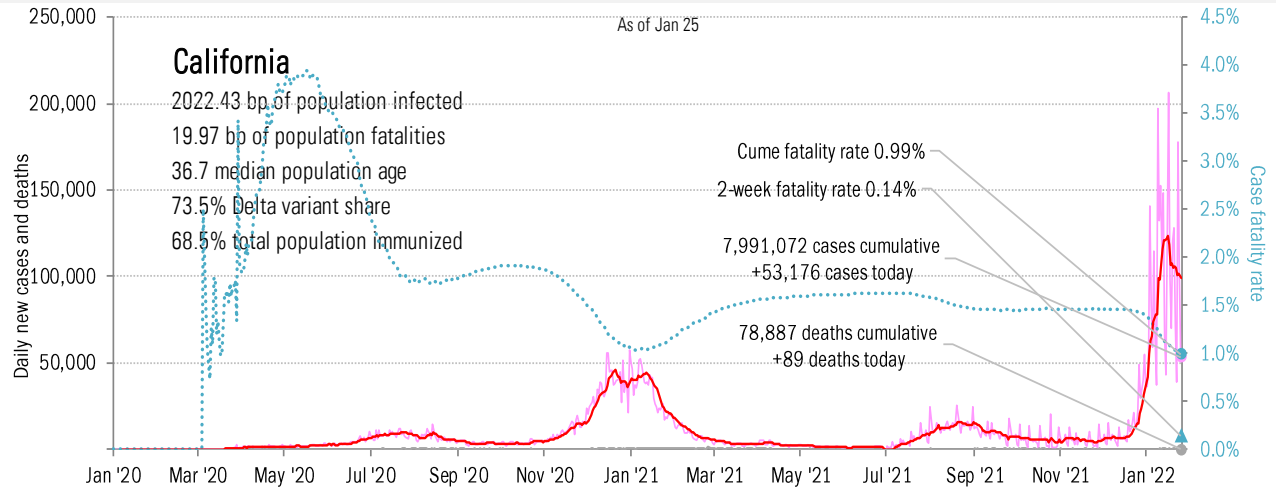
Cases: 7-day average and daily Deaths: Daily



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

The sun-belt hot-spot states (other than Texas)

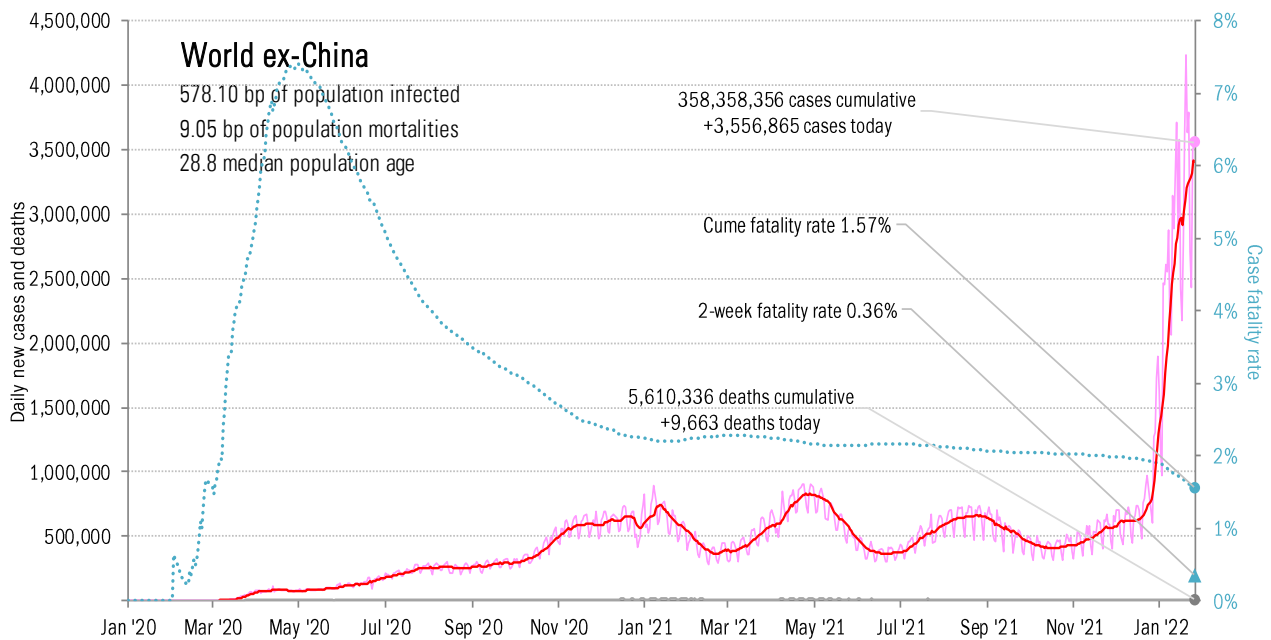
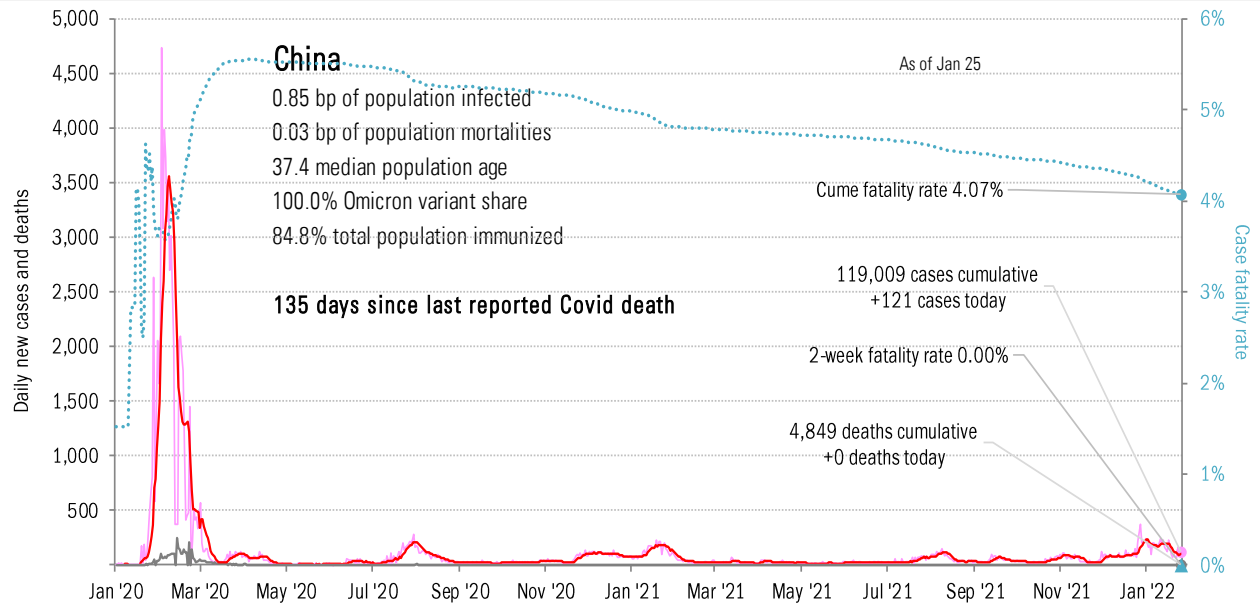
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

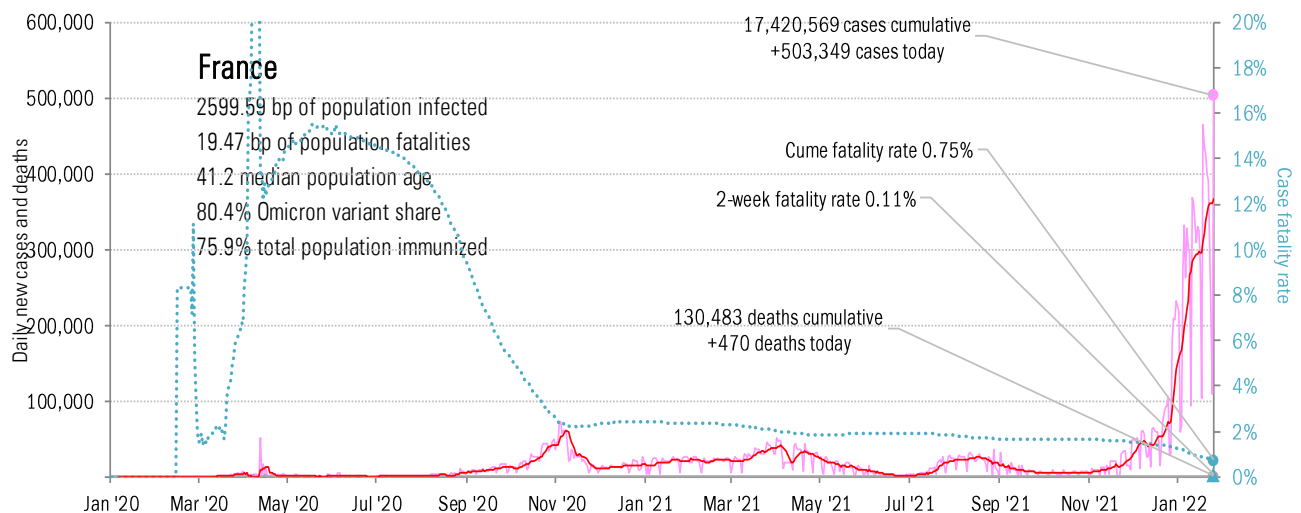
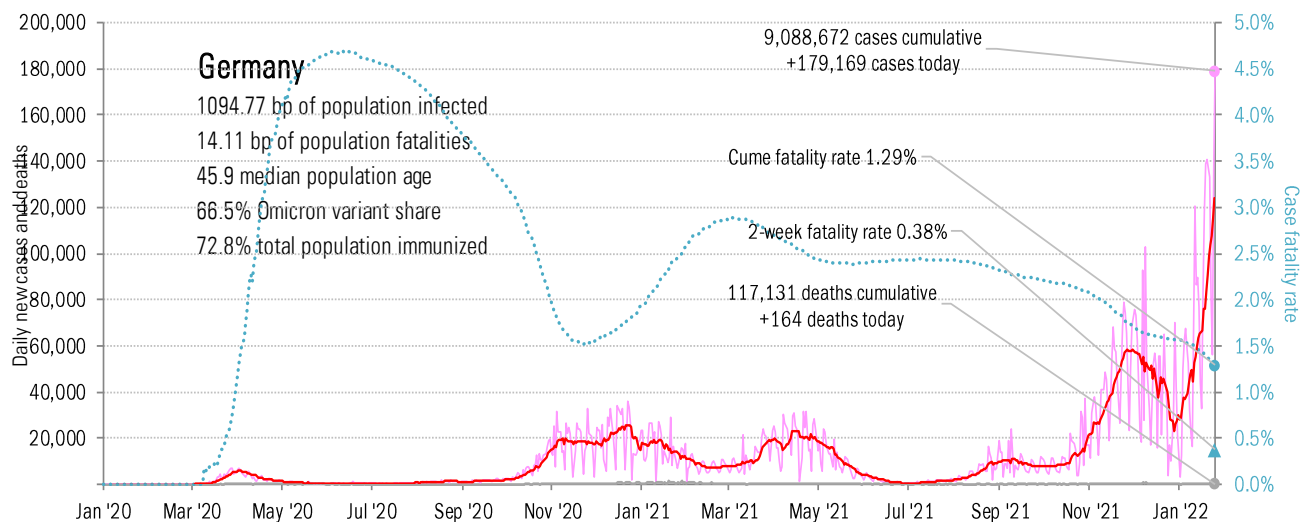
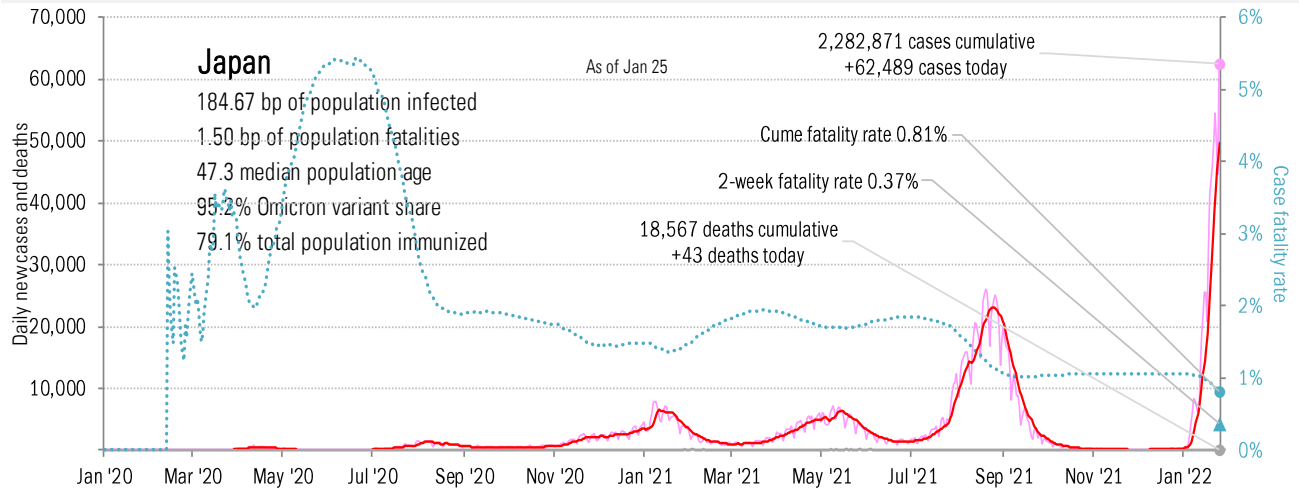
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

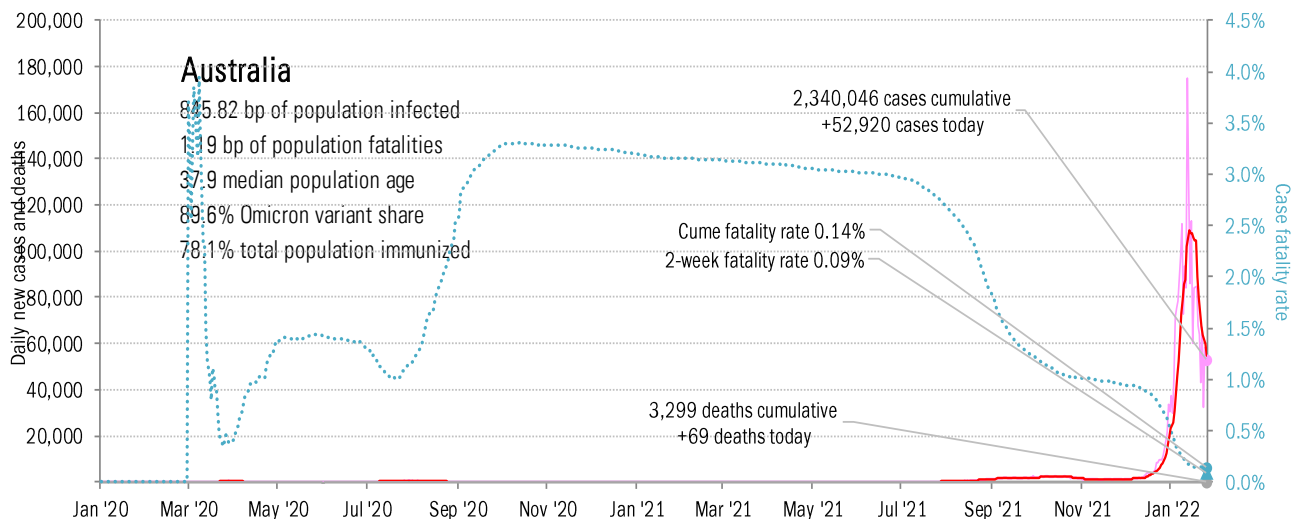
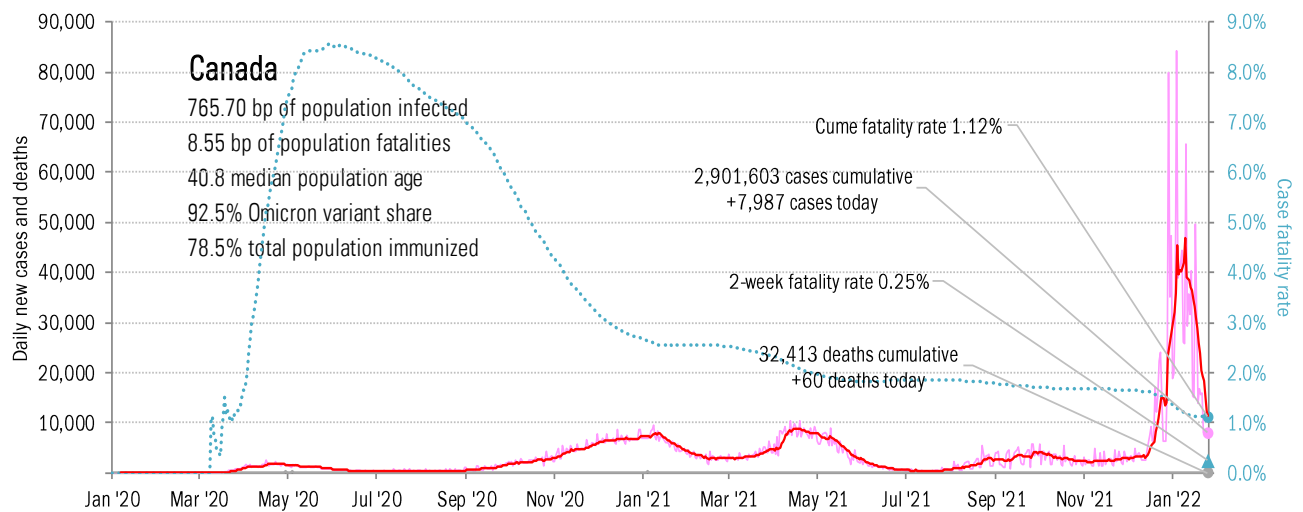
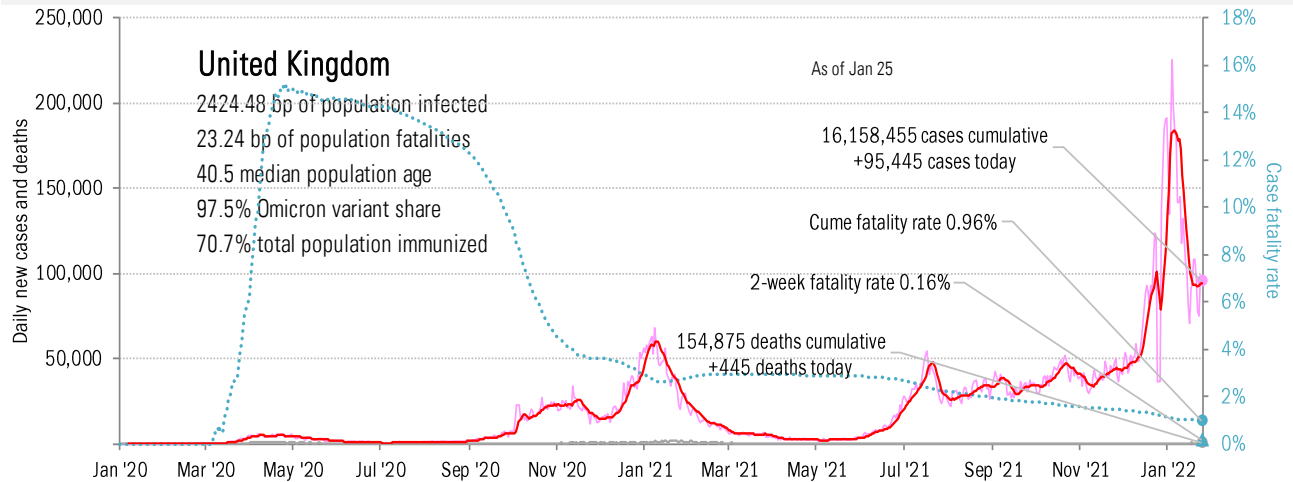
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

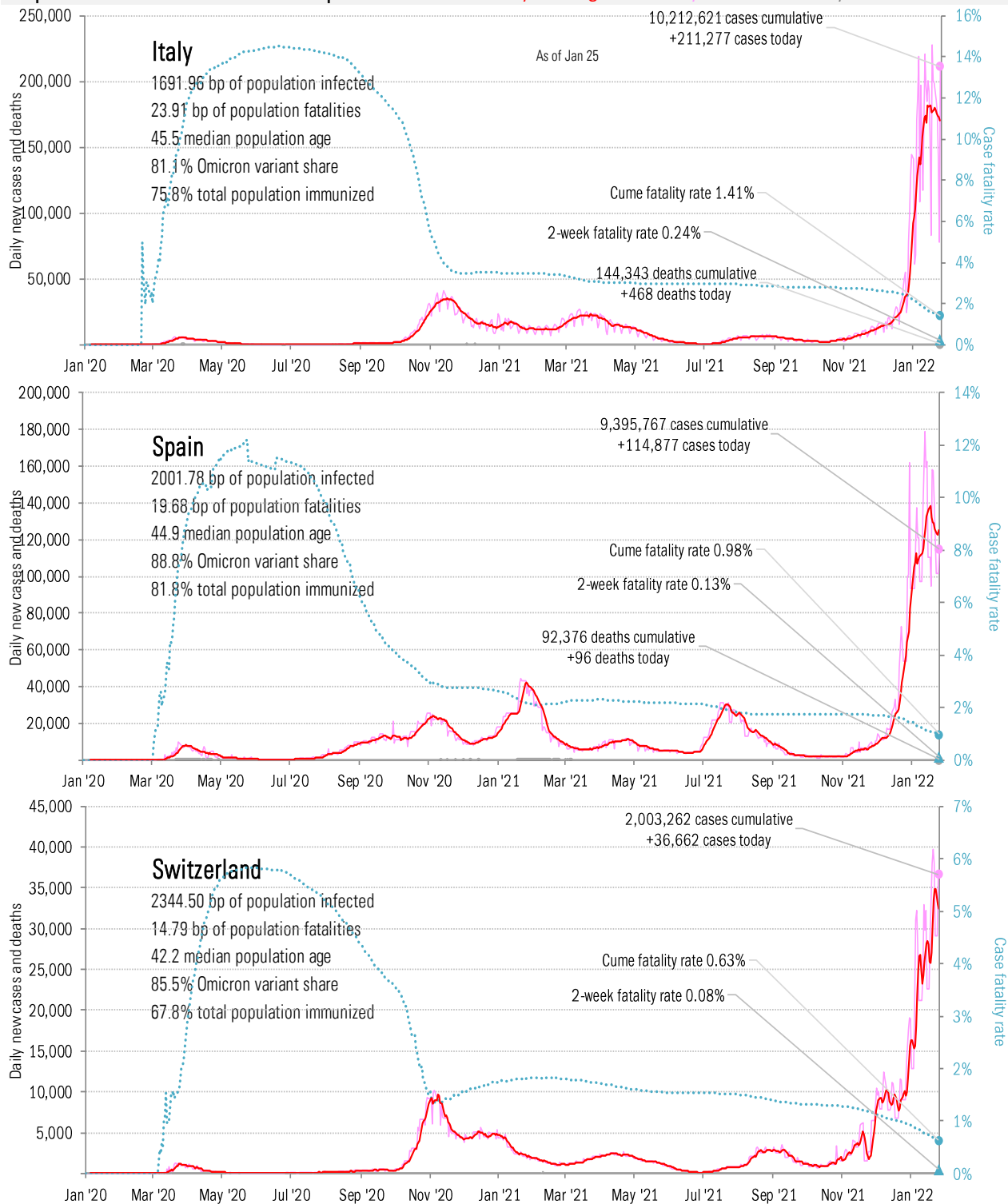
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

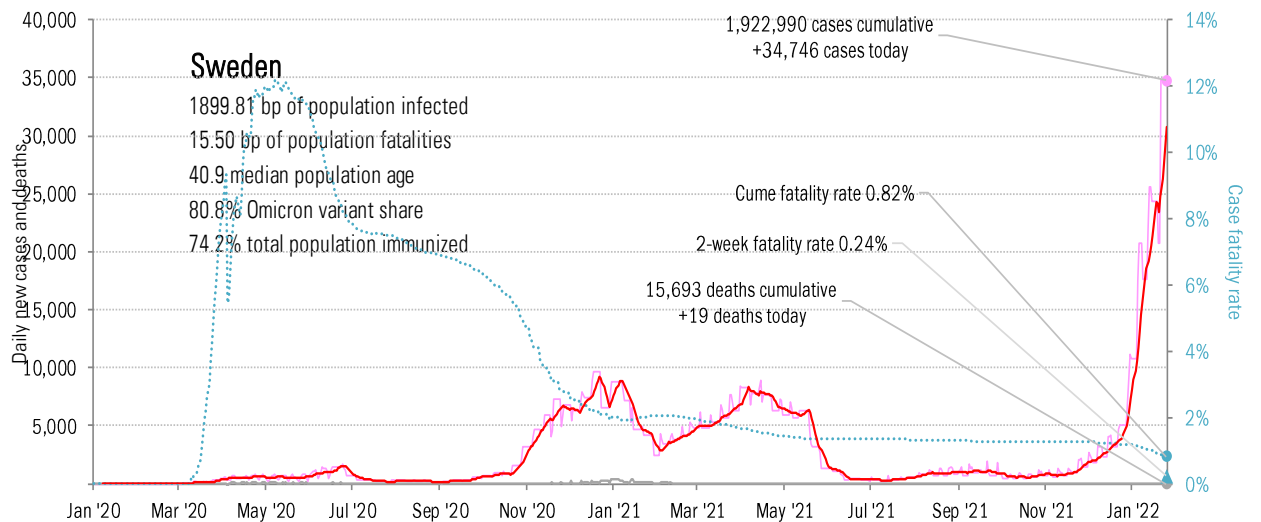
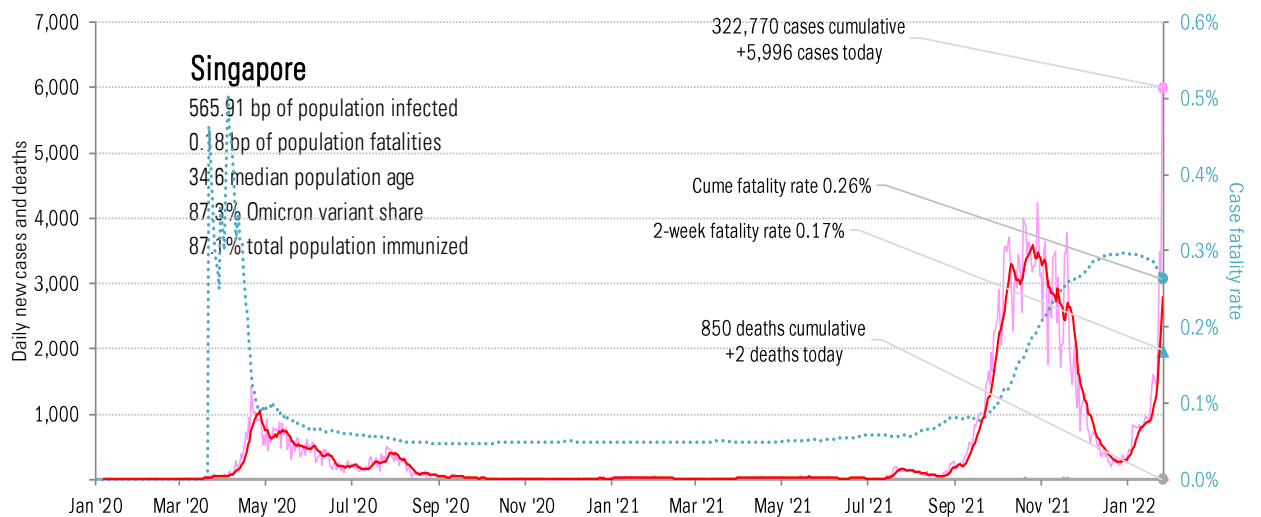
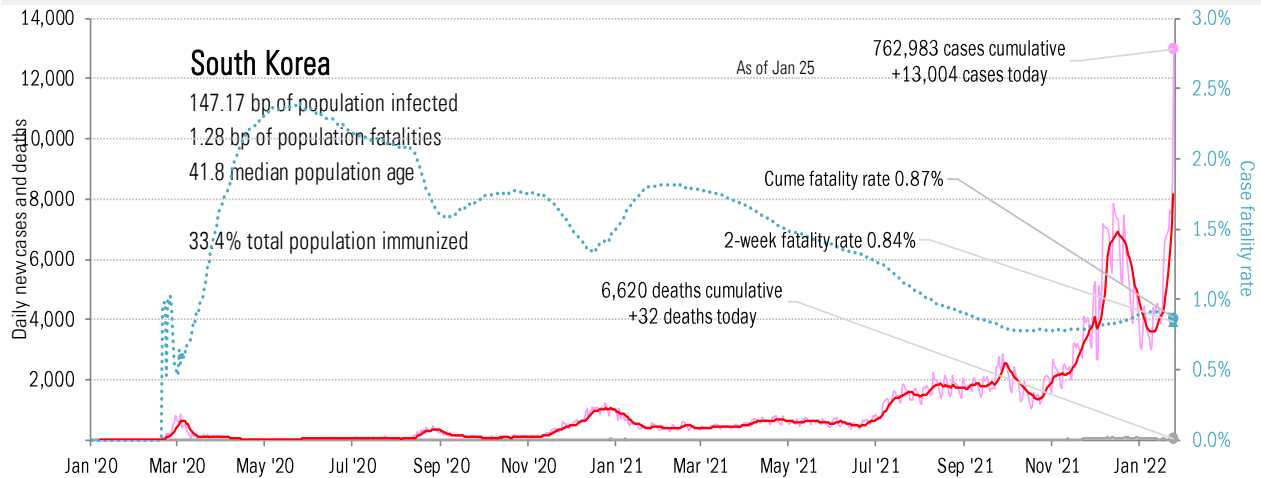
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

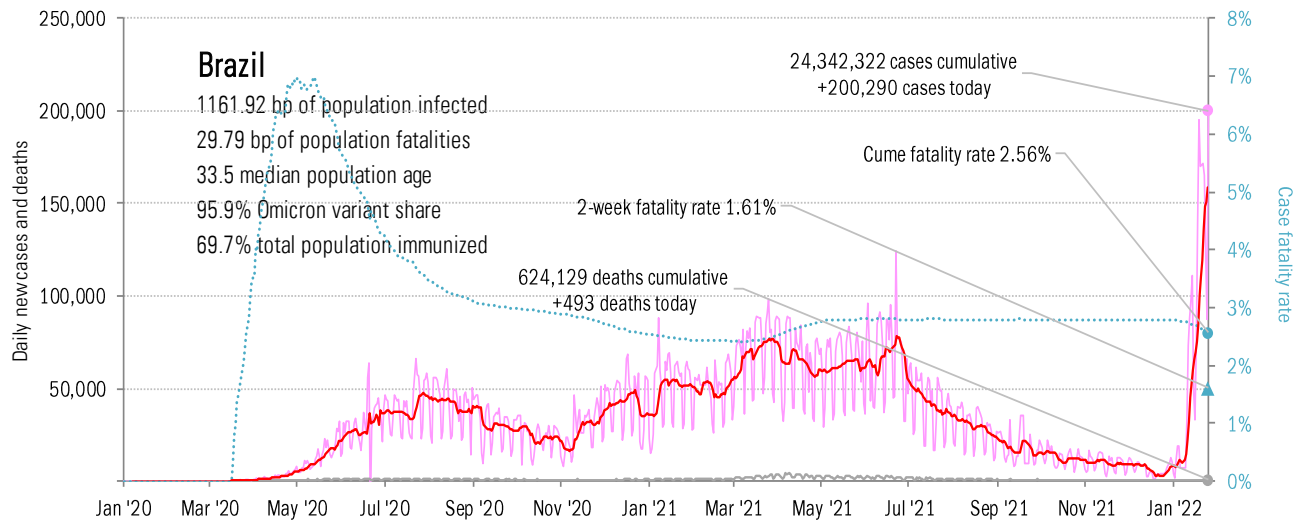
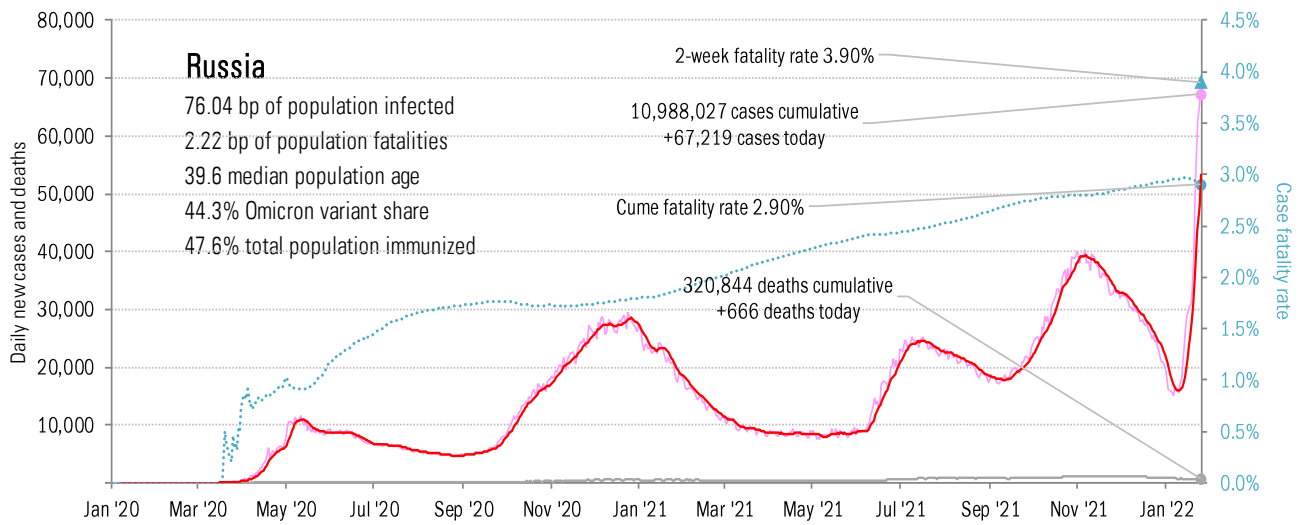
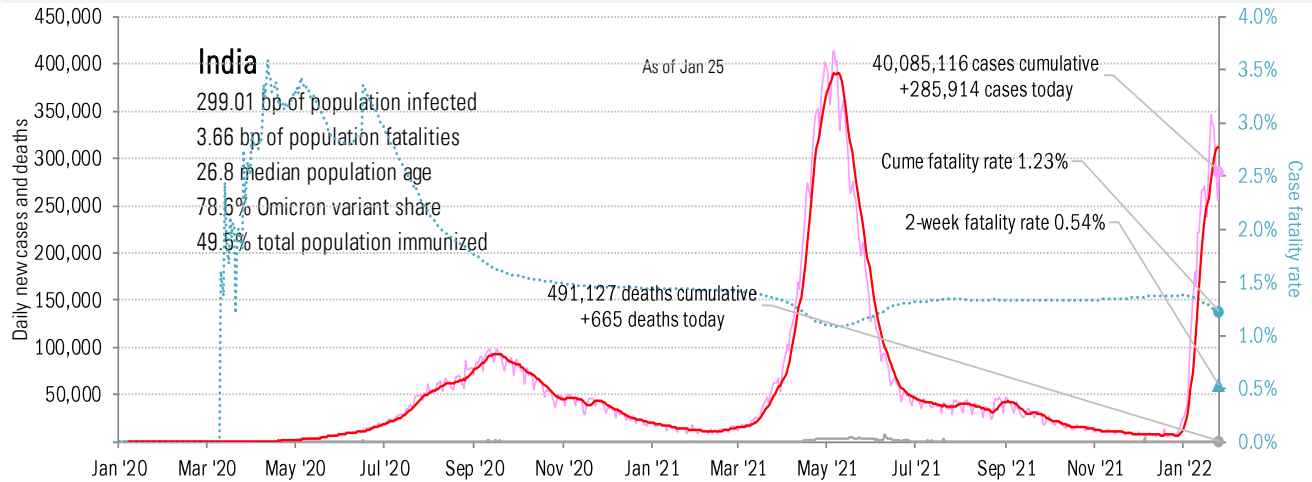
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

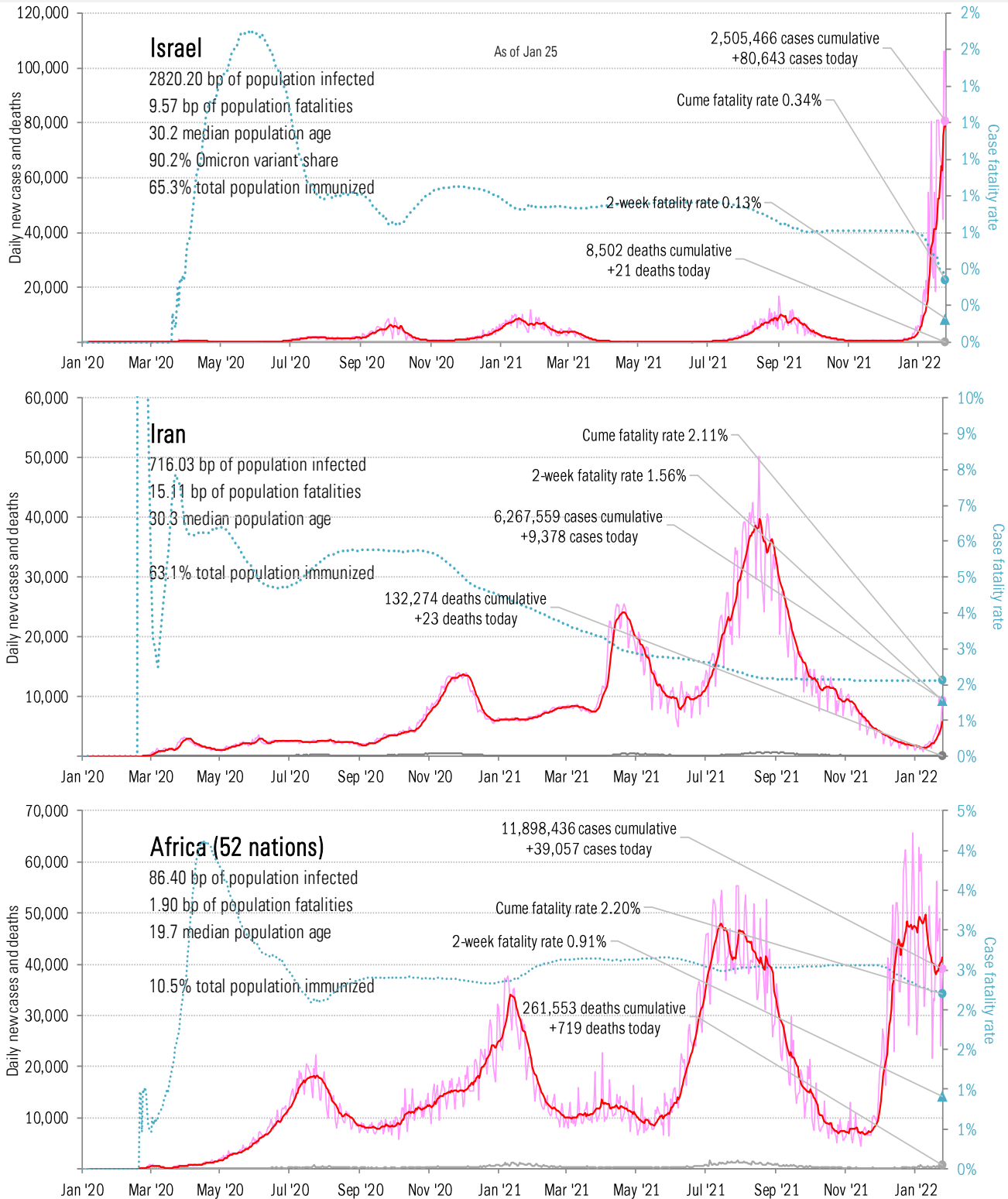
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

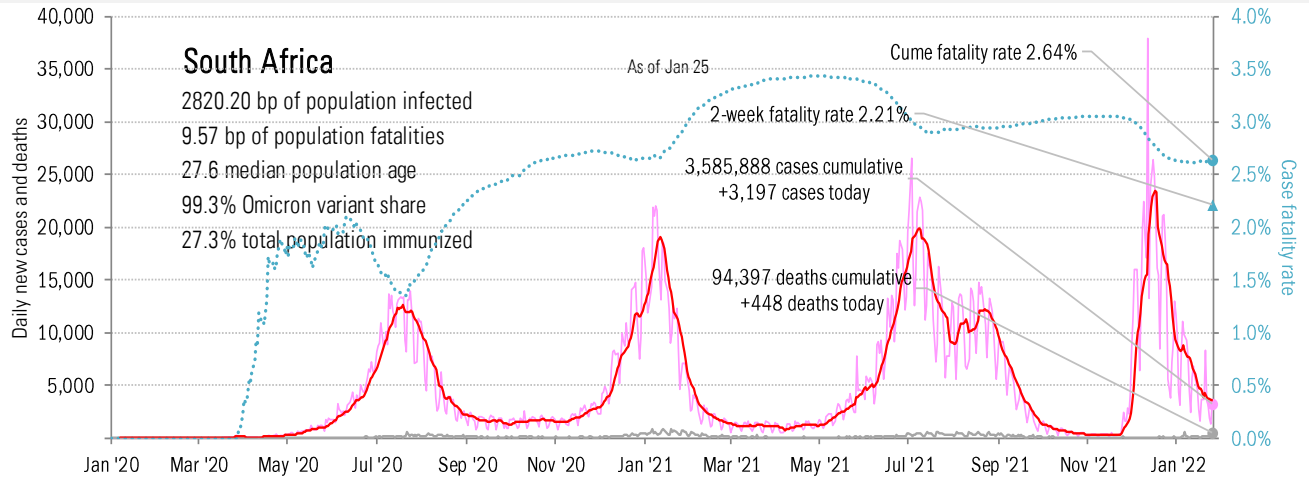
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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