

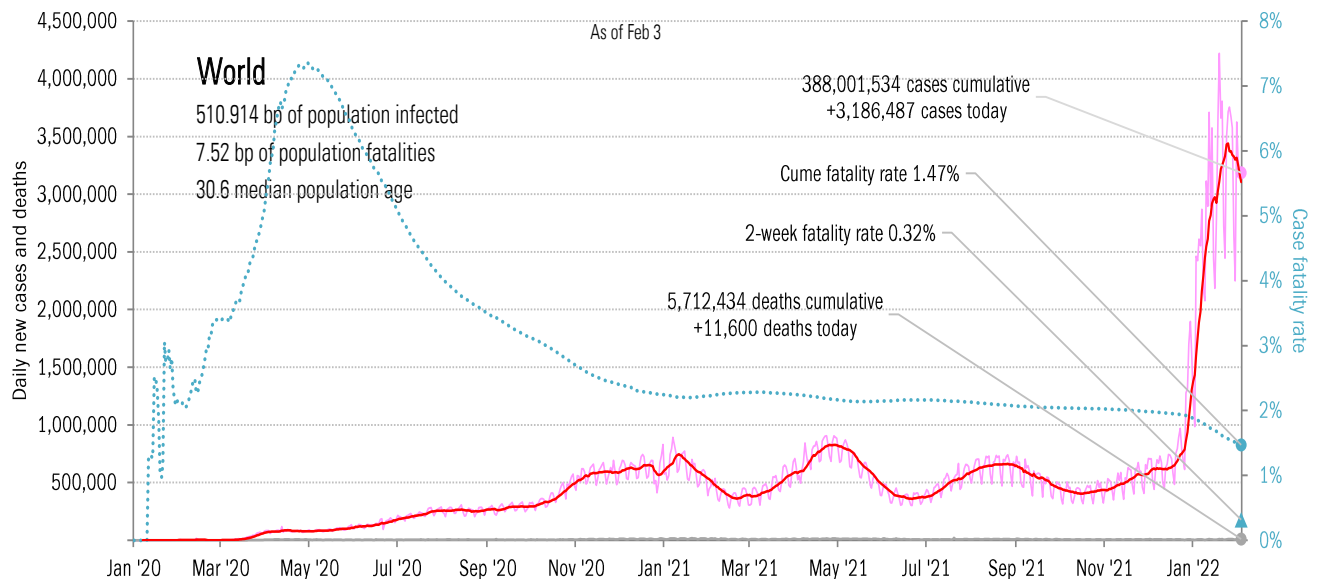
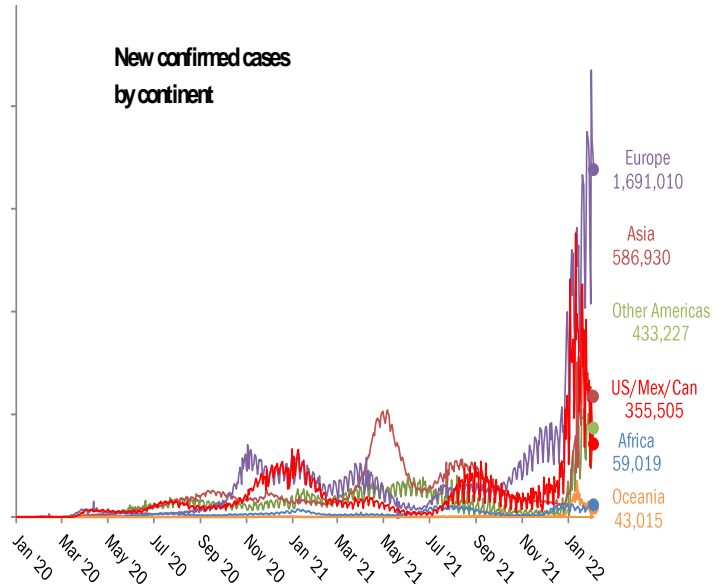
Data Insights: Covid-2019 Monitor

Friday, February 4, 2022

The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
United States	299,299	United States	2,370
Brazil	287,149	India	1,072
France	276,409	Brazil	1,000
Germany	248,652	Russia	656
Russia	154,643	Mexico	573
India	149,394	Italy	414
Italy	112,956	United Kingdom	328
Turkey	107,530	Argentina	318
Japan	104,345	Poland	307
United Kingdom	95,619	Vietnam	286
1,835,996		7,324	
World	3,186,487	World	11,600
Top ten	58%	Top ten	63%



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

For more information contact us:

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 Thomas Demas: 704 552 3625 tdemas@trendmacro.com

The US scorecard

Cases: 7-day average and daily Deaths: Daily

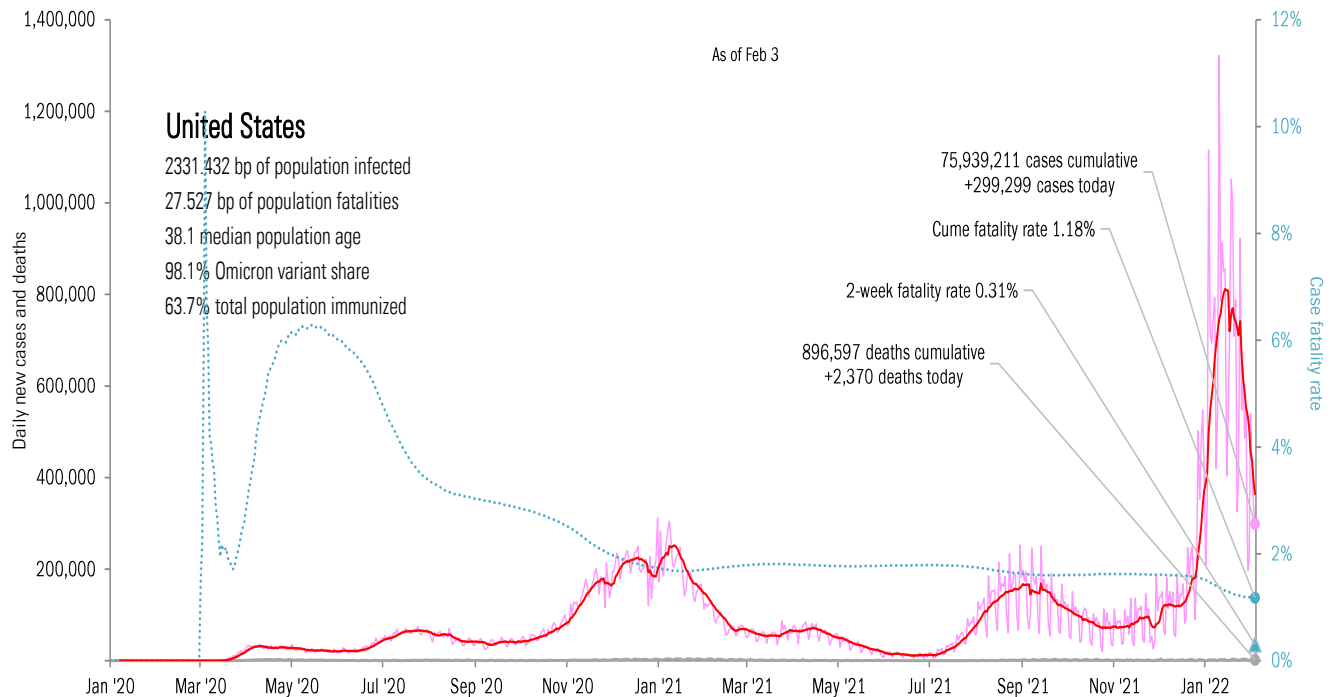
The ten worst US states

New cases			New Deaths			New in hospital			Cum cases			Cum deaths			Cum in hospital			Hospital use		ICU use	
CA	80,276		TX	299		MS	52		CA	8,568,065		CA	80,678		TX	462,384		MA	86%	TX	95%
TX	30,235		CA	181		NM	38		TX	6,359,214		TX	80,292		CA	395,610		WV	86%	AL	93%
FL	17,781		PA	171		MT	21		FL	5,549,963		NY	65,421		FL	393,219		GA	86%	NV	91%
NC	14,966		NY	164		NE	19		NY	4,831,404		FL	65,313		NY	233,601		RI	86%	CK	91%
NY	9,776		VA	136		ME	6		IL	2,939,099		PA	41,199		GA	194,525		MN	86%	GA	90%
KY	8,961		SC	135		LA	1		PA	2,681,717		IL	33,556		CH	181,865		PA	85%	NM	88%
GA	8,029		GA	131		AS	0		CH	2,601,241		CH	33,537		PA	167,152		NH	85%	AK	88%
AZ	7,794		FL	129		GU	0		NC	2,457,857		GA	33,294		IL	149,317		WA	83%	AR	88%
PA	7,246		NC	123		MP	0		GA	2,394,327		MI	32,638		MI	133,713		MO	83%	MS	87%
VA	7,139		NJ	106		WY	-3		MI	2,283,010		NJ	31,769		KY	132,985		MD	83%	IN	87%
192,203			1,575			134			40,665,897			497,697			2,444,371						
All states 299,299			2,370			-3,069			All states 75,939,211			896,597			4,421,893			All states 70%		67%	
Top ten 64%			66%			-4%			Top ten 54%			56%			55%			Median 79%		82%	

Some states not reporting

Five most improved US states

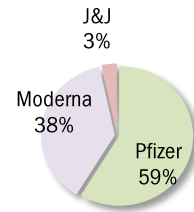
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
MI	-24,545	MI	-375	OK	-190	NC	+6030 bp
WA	-15,691	IA	-156	CO	-185	CA	+10 bp
IL	-9,463	CA	-140	FL	-112	CT	+10 bp
TN	-9,023	MS	-94	AZ	-93	DE	+10 bp
KS	-8,145	IL	-87	KY	-86	FL	+10 bp



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	555,045,637		+0.790 million	US	63.7%	75.5%
Boosters	90,177,925		+0.374 million	UK	71.1%	76.8%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	258,106,447	77%	218,401,297	65%	+0.207 million	France 76.5% 79.8%
Age 12 to 17	17,012,518	67%	14,380,763	57%	+0.022 million	Spain 82.0% 87.6%
Age 18 to 64	174,184,068	86%	147,470,968	72%	+0.109 million	Germany 73.6% 75.2%
Age 65 and over	57,968,229	100%	50,139,125	92%	+0.013 million	Italy 76.7% 83.3%
						Australia 78.6% 84.4%
						Israel 65.7% 72.0%
						Canada 79.5% 85.1%
						Japan 79.2% 80.4%
						Africa 10.9% 16.1%
						India 51.8% 68.0%
						Brazil 70.3% 80.0%
						China 85.0% 87.7%



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

Immunity = two doses

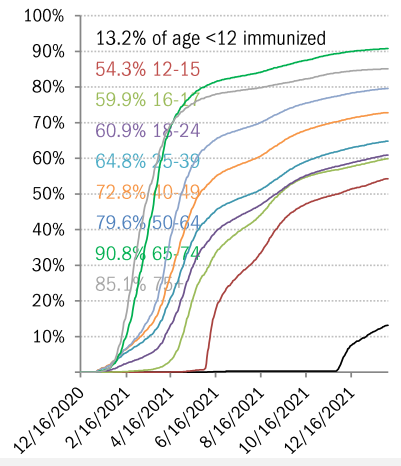
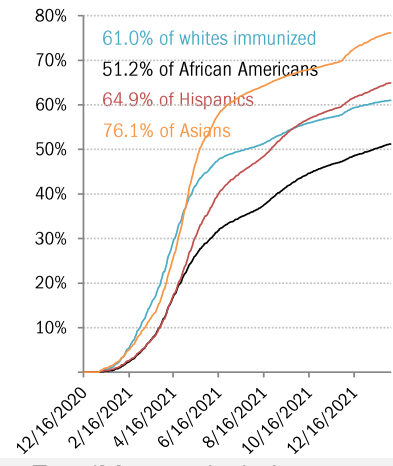
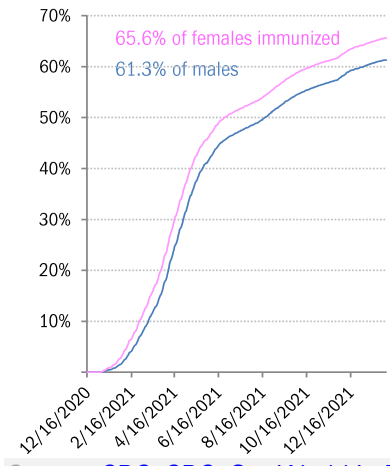
AK	67.9%
	59.7%

WI	70.5%
	63.7%

ME	88.7%
	77.6%

WA	ID	MT	ND	MN	IL	MI	NY	VT	NH	
78.9%	59.7%	63.9%	64.1%	73.7%	75.7%	65.3%	87.8%	92.2%	95.0%	
70.2%	52.3%	55.4%	54.0%	67.2%	66.5%	58.3%	74.3%	79.5%	68.9%	
OR	NV	WY	SD	IA	IN	OH	PA	NJ	MA	
76.3%	73.1%	57.4%	74.1%	66.8%	60.1%	62.4%	82.3%	87.7%	95.0%	
68.0%	58.6%	49.9%	59.0%	60.5%	53.4%	56.9%	66.0%	73.0%	76.6%	
CA	UT	CO	NE	MO	KY	WV	VA	MD	CT	RI
80.6%	70.0%	77.5%	68.7%	64.8%	64.7%	63.7%	83.3%	83.9%	92.8%	94.8%
69.2%	60.9%	68.3%	61.6%	54.5%	55.8%	56.3%	70.7%	72.8%	76.7%	79.2%
	AZ	NM	KS	AR	TN	NC	SC	DC	DE	
	70.3%	84.7%	72.6%	65.0%	60.7%	81.2%	65.8%	93.5%	80.5%	
	59.0%	68.5%	59.3%	52.7%	52.9%	58.6%	55.0%	70.2%	66.4%	
			OK	LA	MS	AL	GA			
			69.3%	59.6%	58.2%	61.3%	63.8%			
			55.3%	51.9%	50.2%	49.5%	53.0%			
			TX					FL		PR
			69.9%					77.3%		93.5%
			59.0%					65.2%		79.7%
HI										
85.2%										
76.1%										

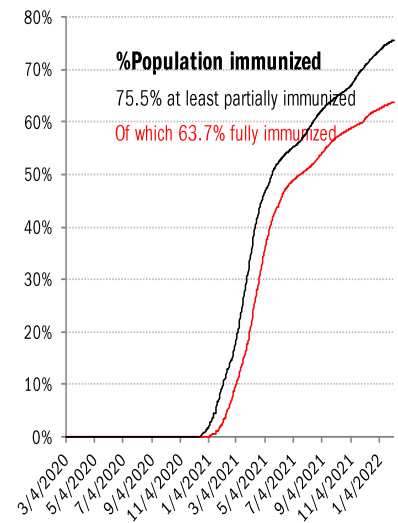
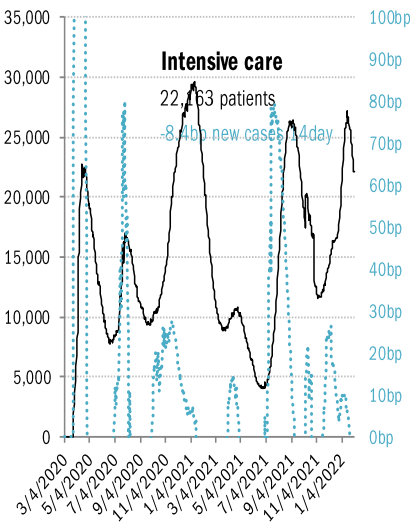
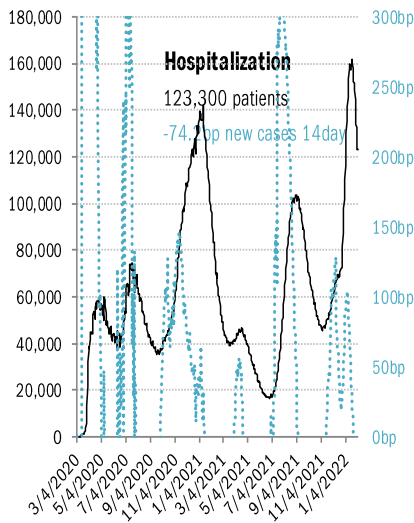
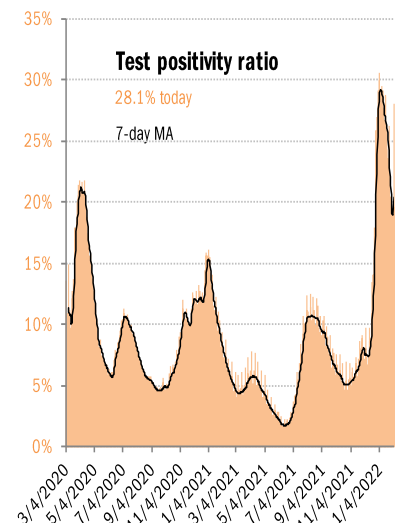
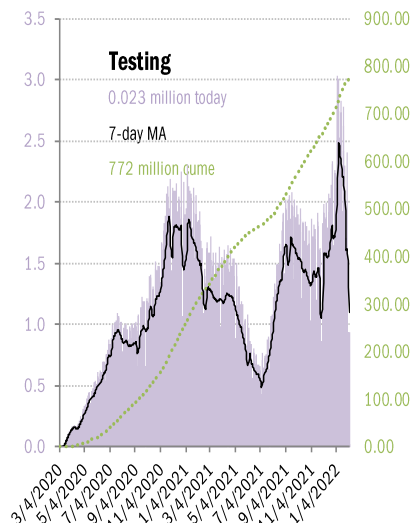
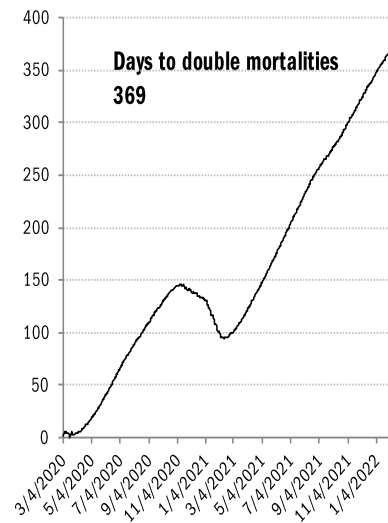
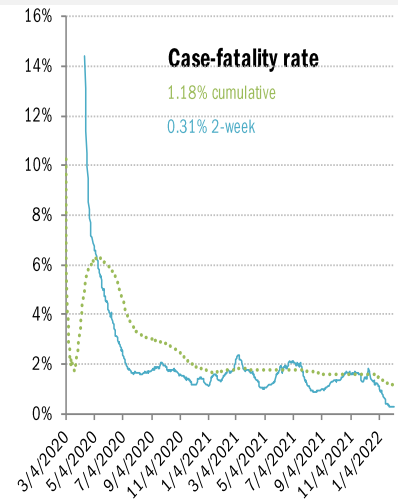
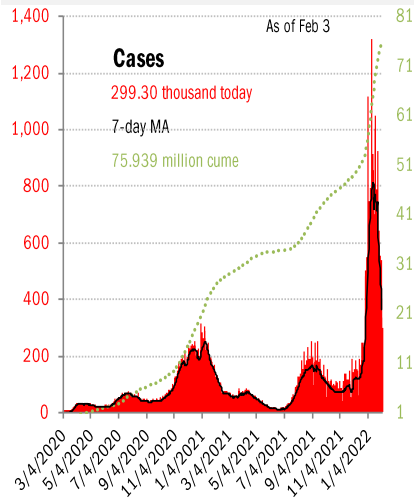
The demographics of US vaccination



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

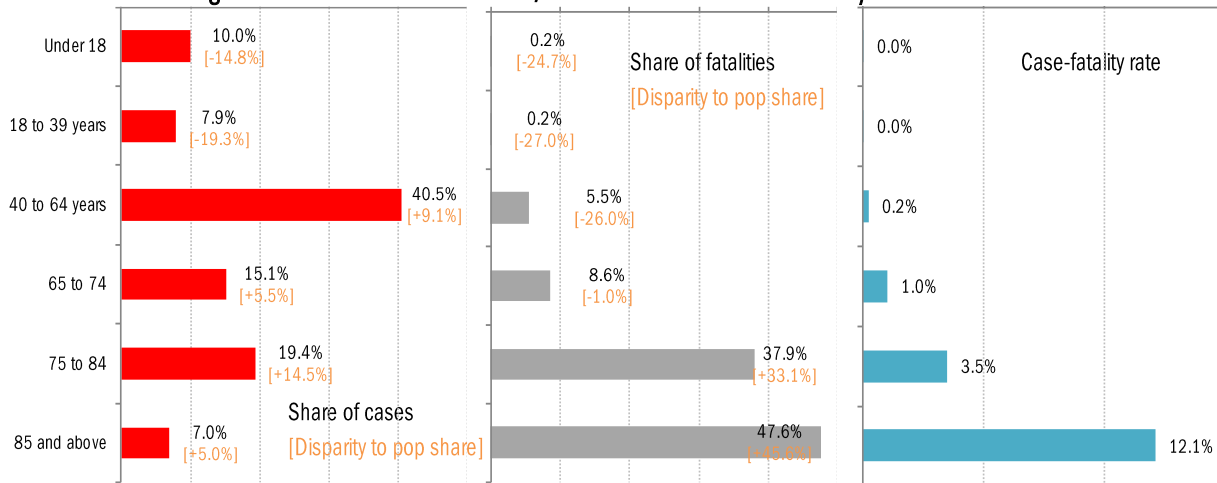
US deep-dive

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

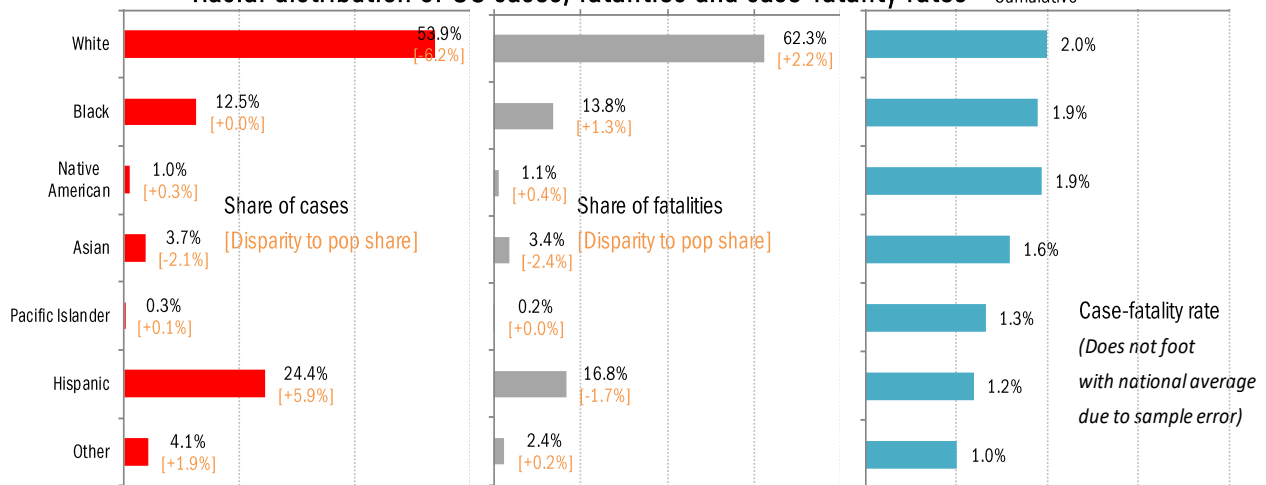


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

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

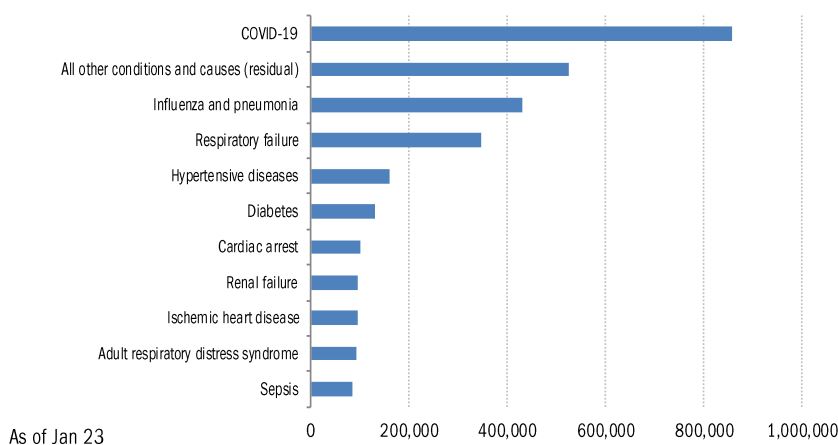


Racial distribution of US cases, fatalities and case-fatality rates



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

[In New York City Sewage, a Mysterious Coronavirus Signal](#)

Emily Anthes
New York Times
February 3, 2022

[Revenue windfall pushes states to consider range of tax cuts](#)

Brian Witte and Geoff Mulvihill
AP
February 2, 2022

[Prevalence and Durability of SARS-CoV-2 Antibodies Among Unvaccinated US Adults by History of COVID-19](#)

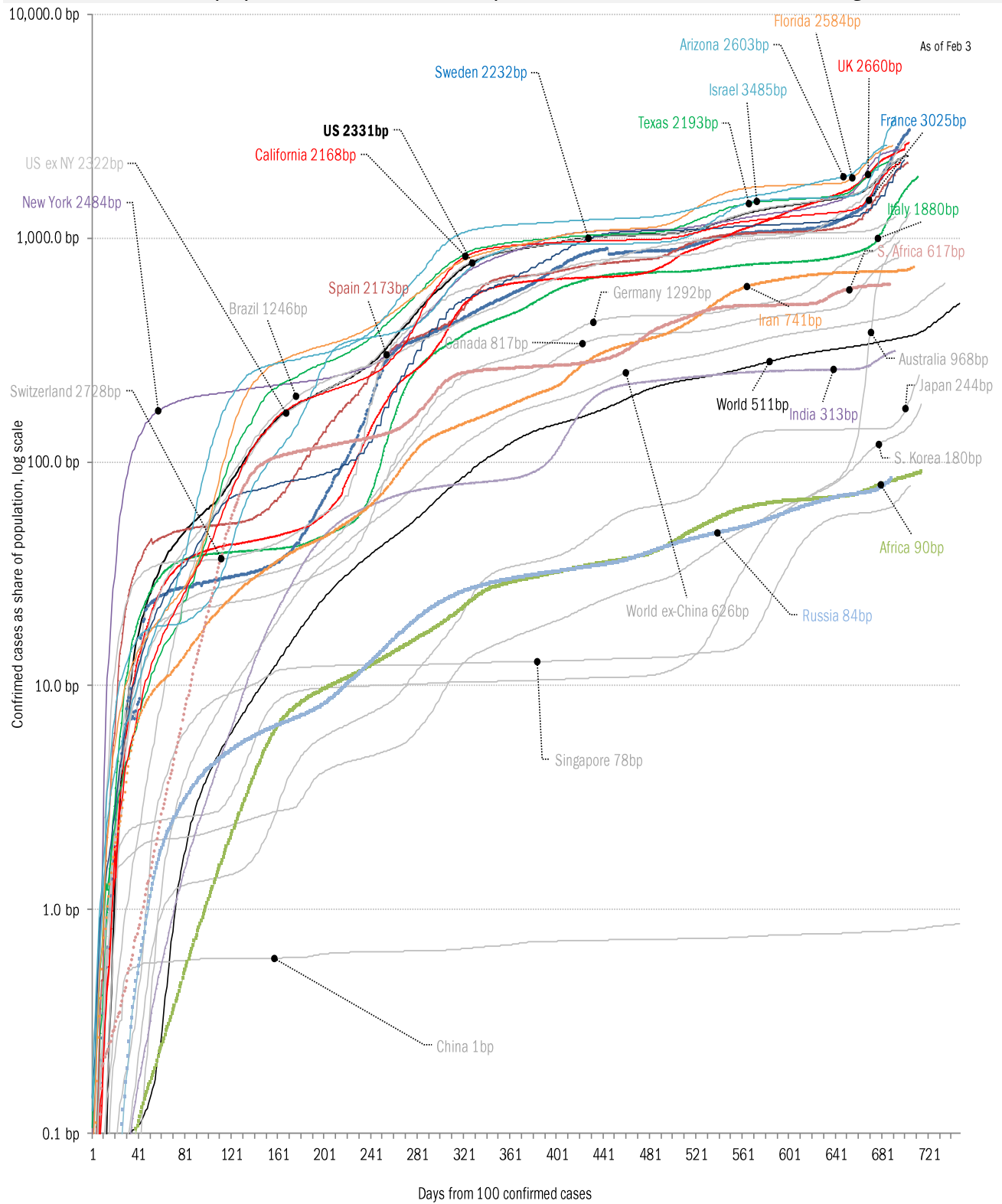
Jennifer L. Alejo
Jama Network
February 3, 2022

Meme of the day

	A year ago	Now
Vaccinated can spread COVID	Conspiracy Theory	Truth
Vaccinated are susceptible to new variants and reinfection	Conspiracy Theory	Truth
COVID vaccines can cause blood clots and other serious side effects	Conspiracy Theory	Truth
3rd and 4th shot	Conspiracy Theory	Truth
New shots every year/half a year	Conspiracy Theory	Truth
Shots for young children	Conspiracy Theory	Truth
Total segregation of the society	Conspiracy Theory	Truth
Camps for the unvaccinated	Conspiracy Theory	Truth
Unvaccinated unable to work	Conspiracy Theory	Truth
Harder access of medical care for unvaccinated	Conspiracy Theory	Truth
Secret contracts between Pfizer and governments	Conspiracy Theory	Truth

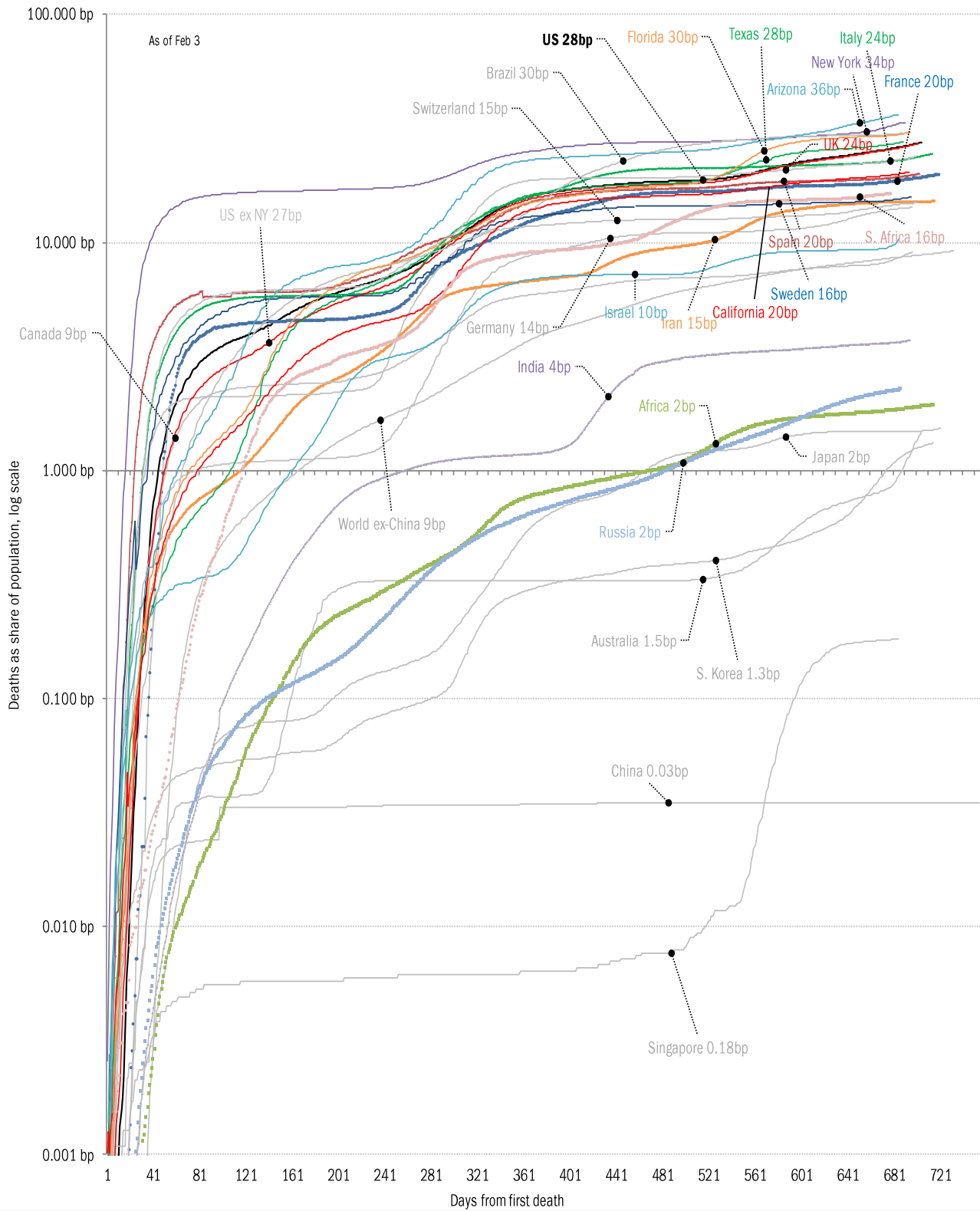
Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

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

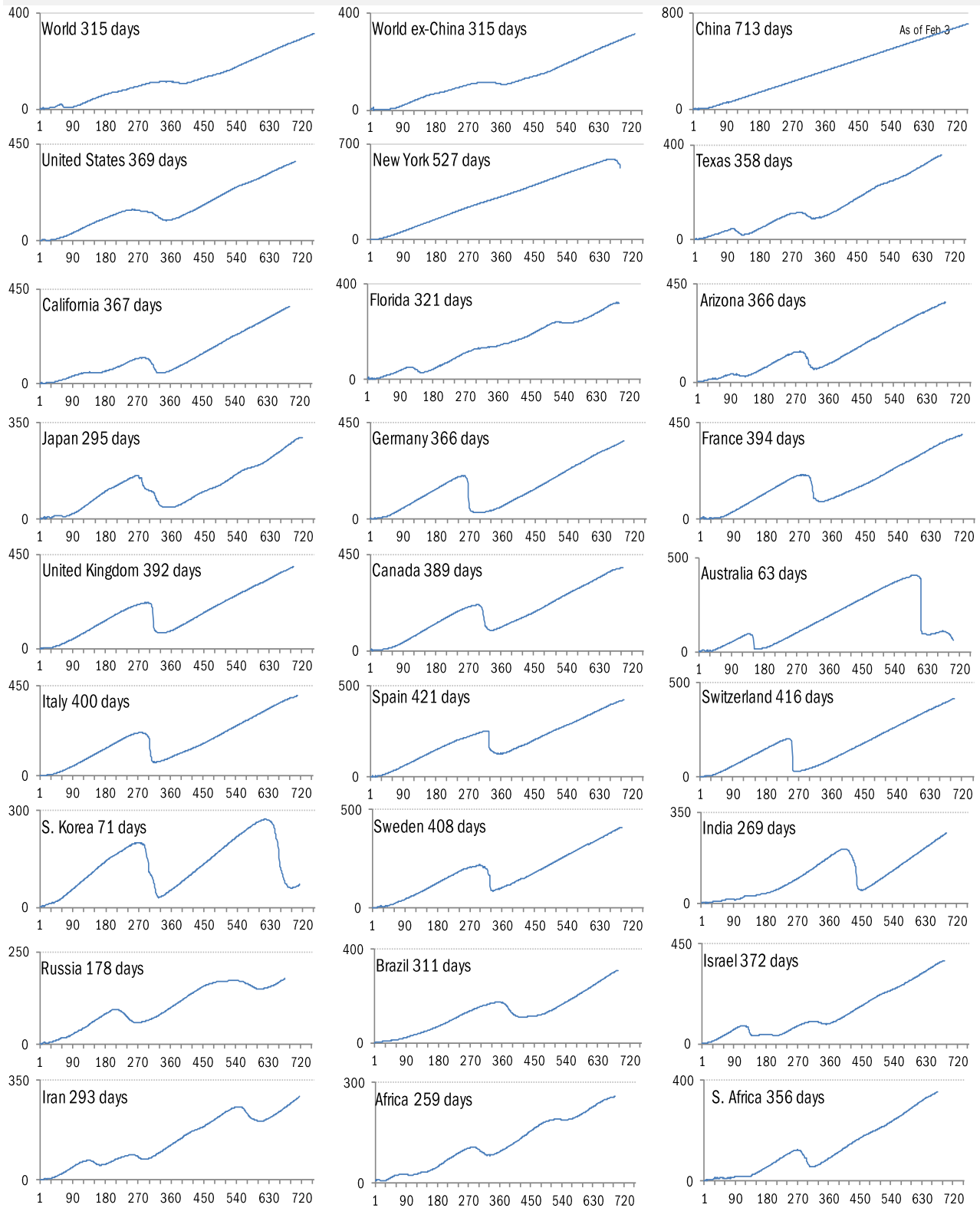


Source: [Johns Hopkins](#), TrendMacro calculations

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

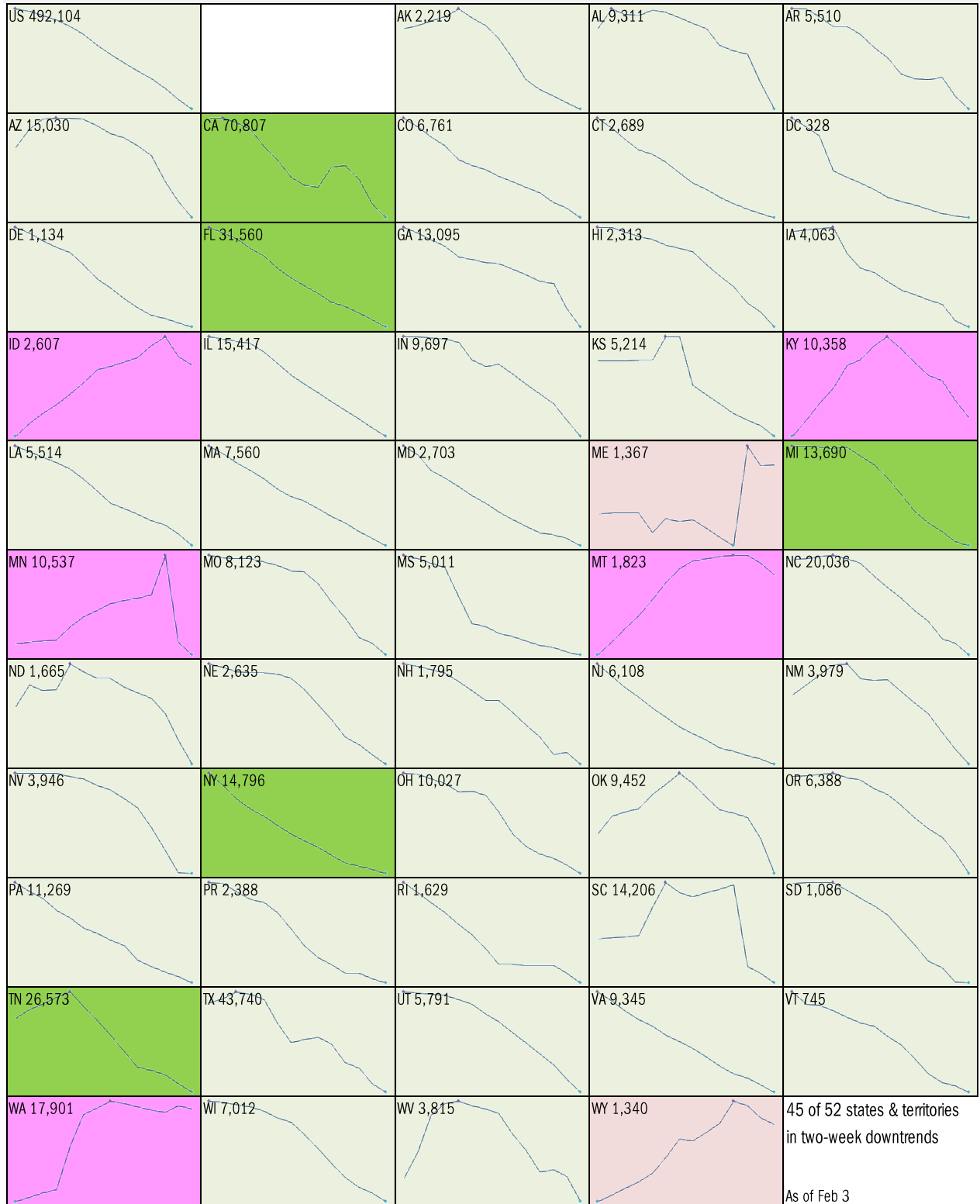
Vertical: days to double deaths Horizontal: days from first death

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

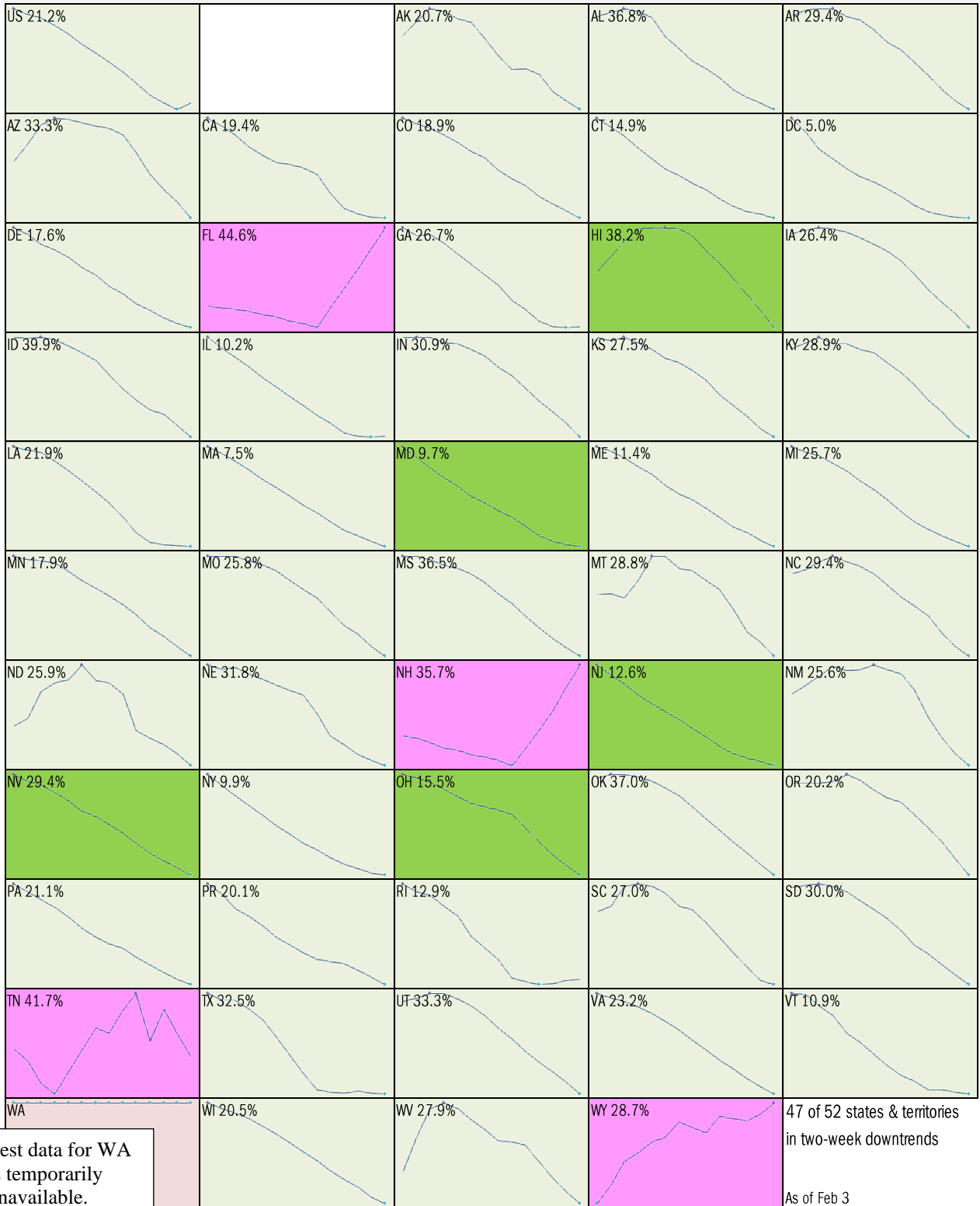


Source: [Johns Hopkins](#), TrendMacro calculations

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

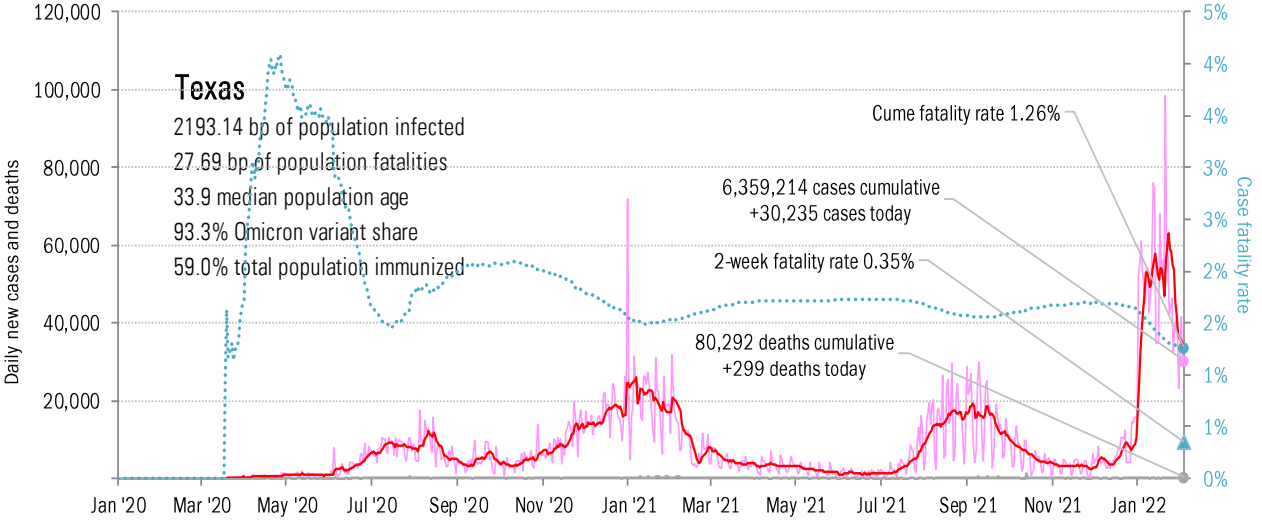
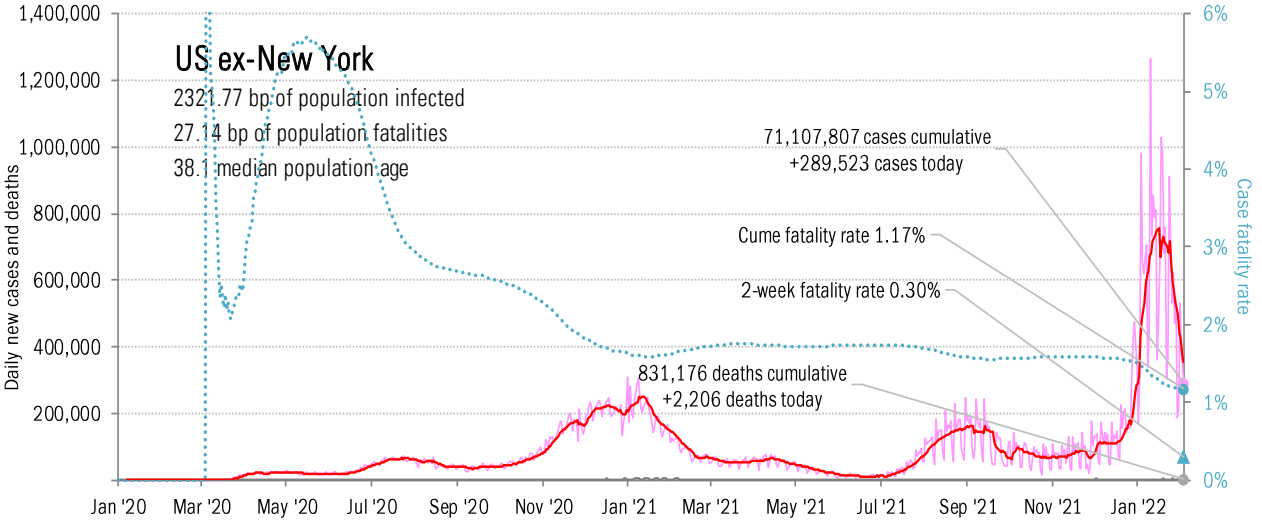
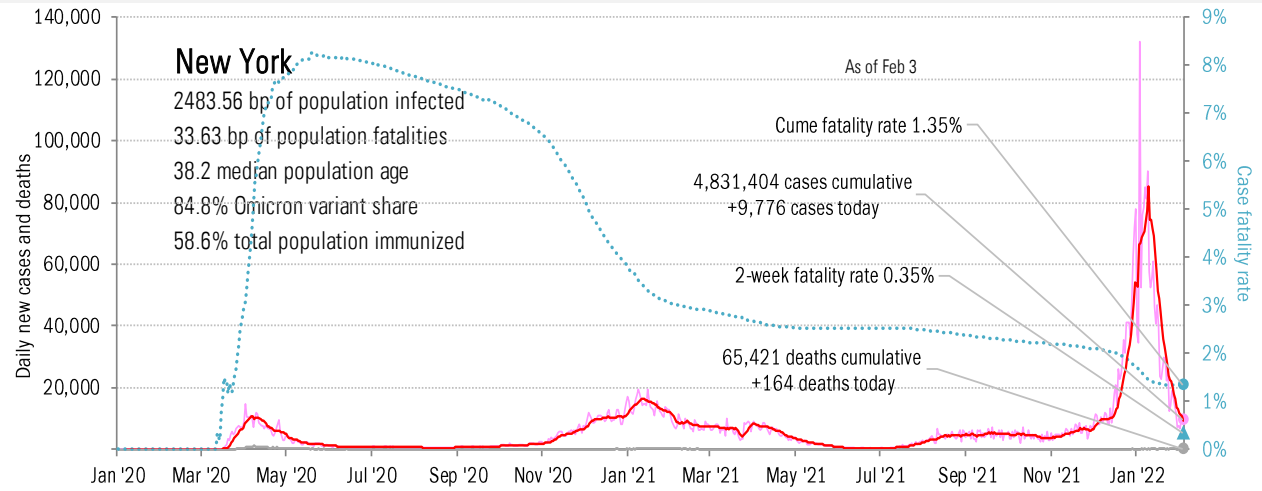


Test data for WA is temporarily unavailable.

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

From Ground Zero to the Rio Grande

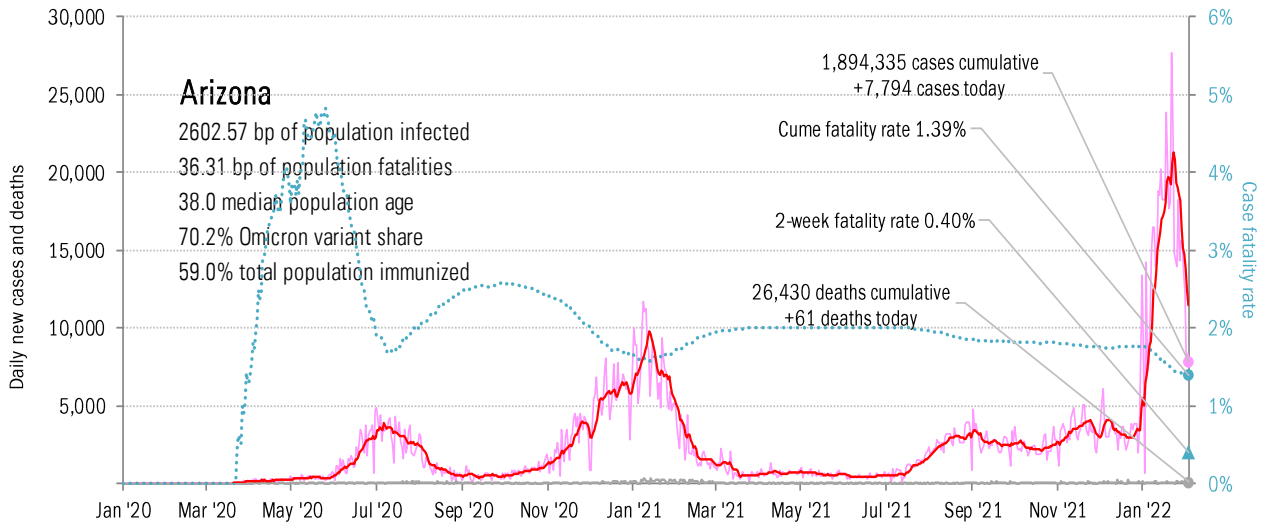
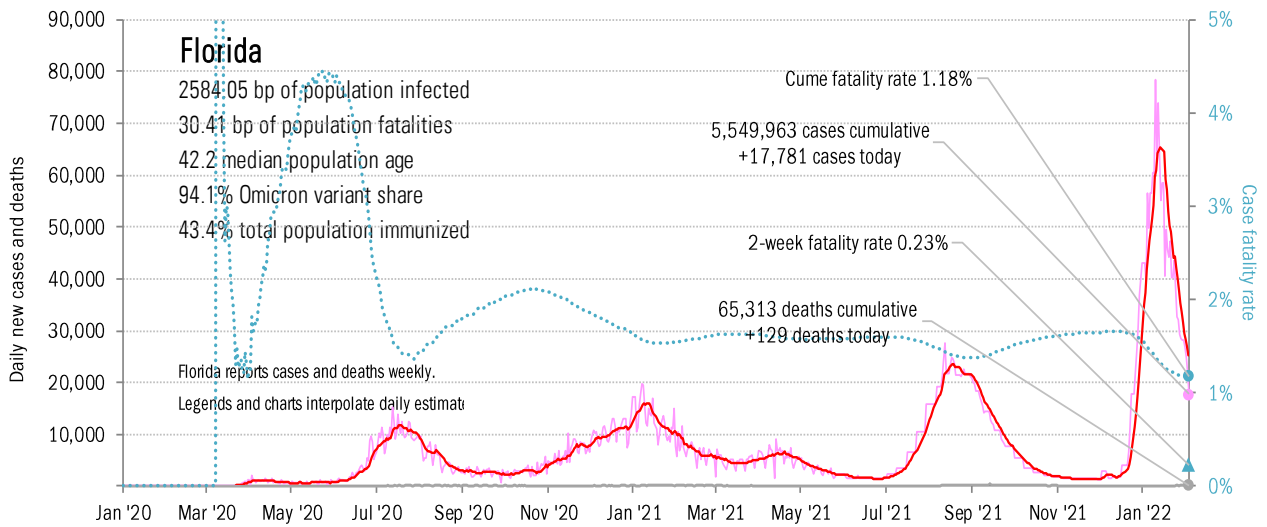
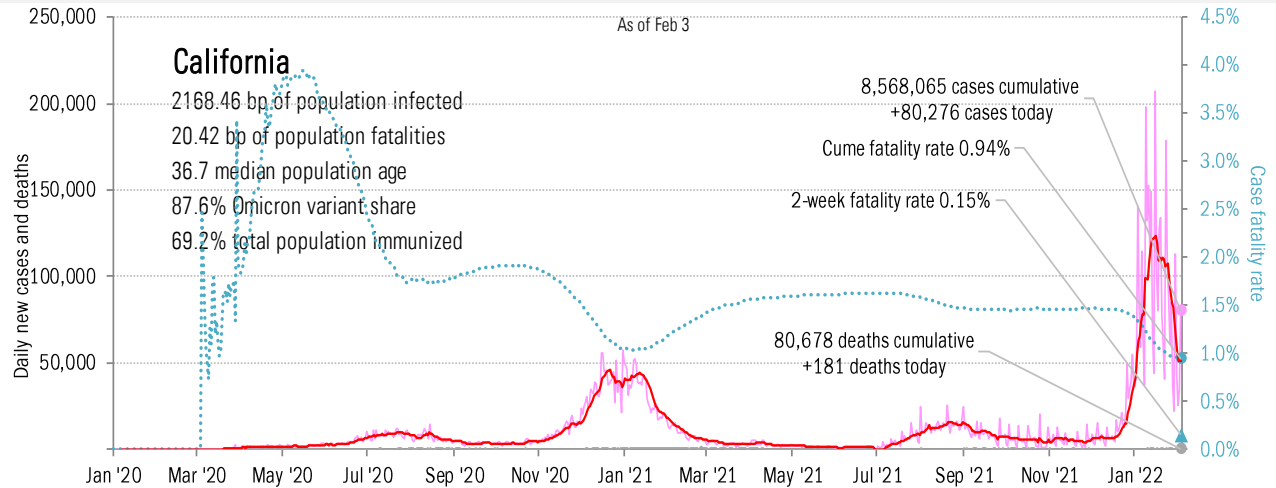
Cases: 7-day average and daily Deaths: Daily



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

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

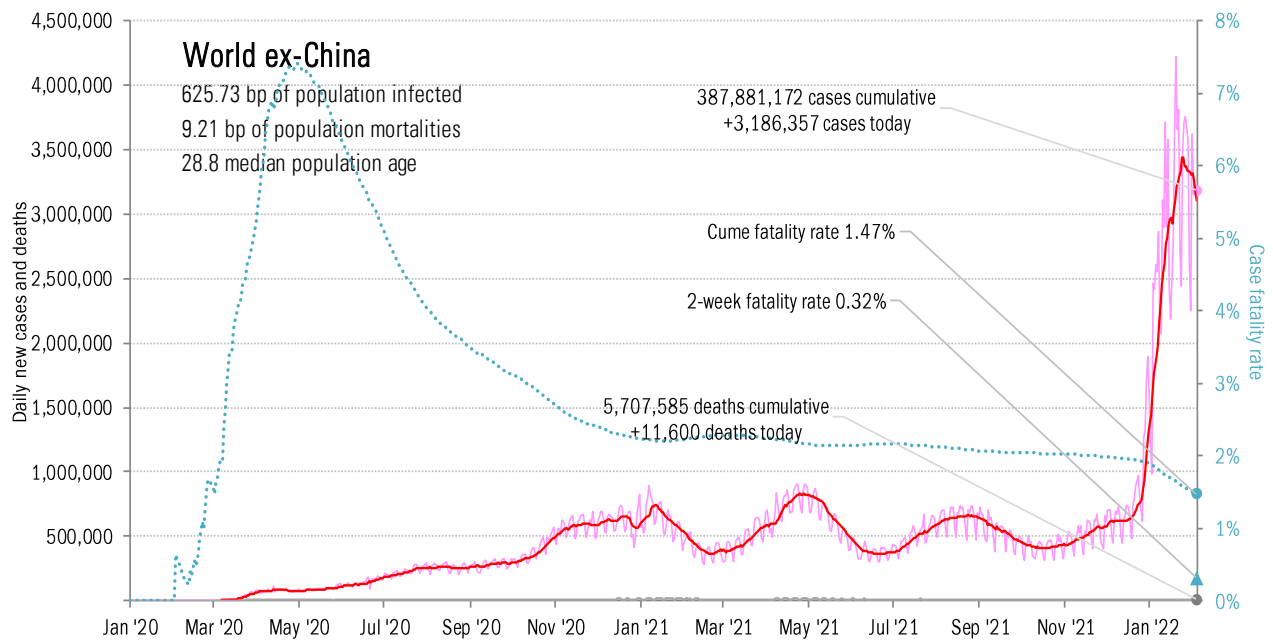
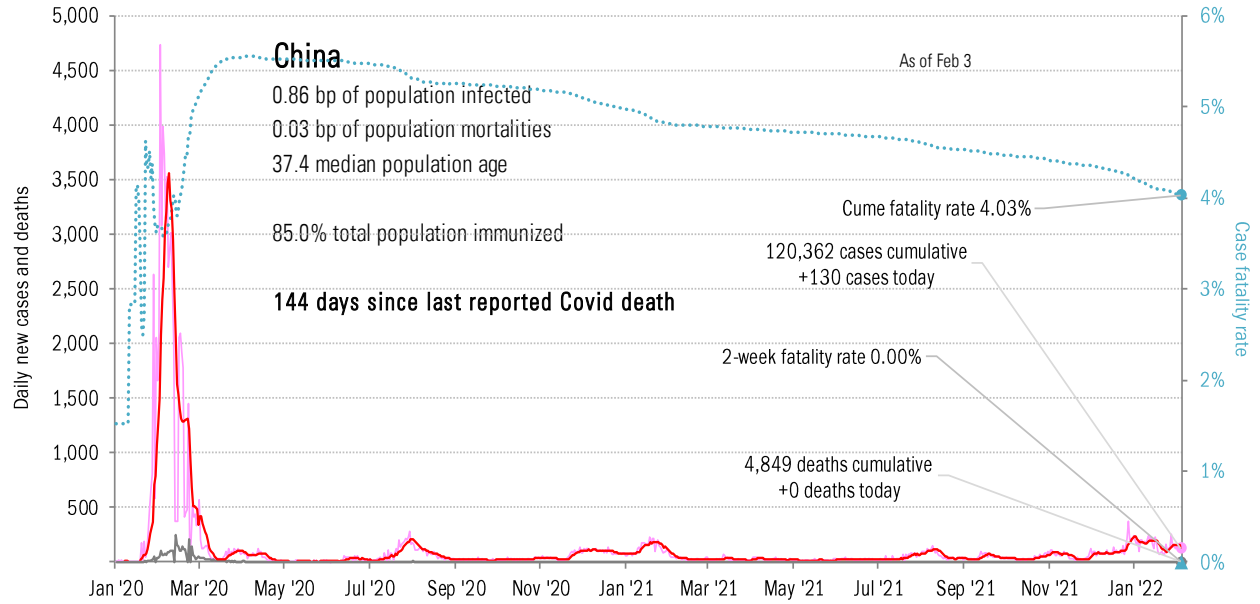
Cases: 7-day average and daily Deaths: Daily



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

Patient zero... and then everyone else

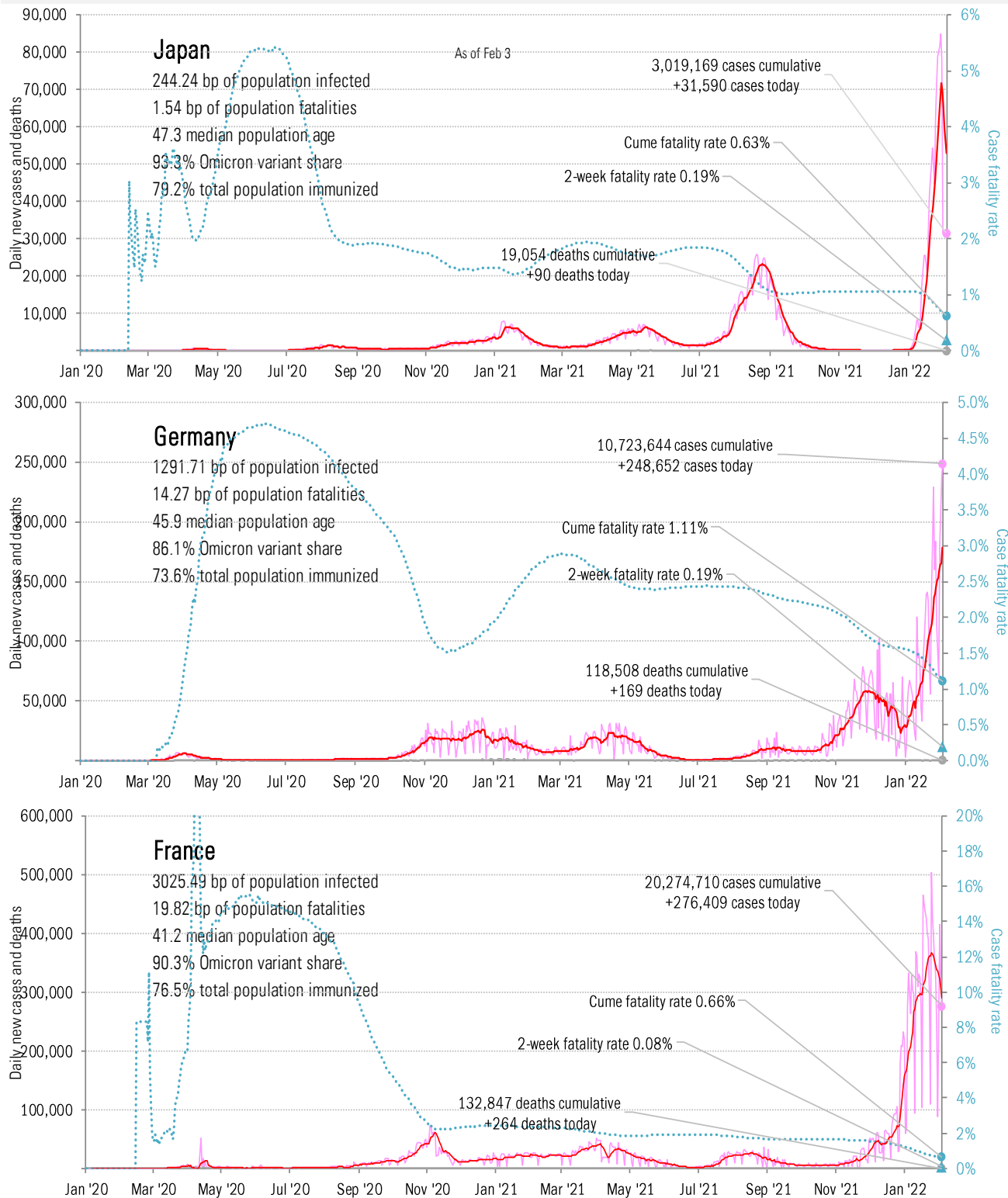
Cases: 7-day average and daily Deaths: Daily



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

Impact in the largest economies

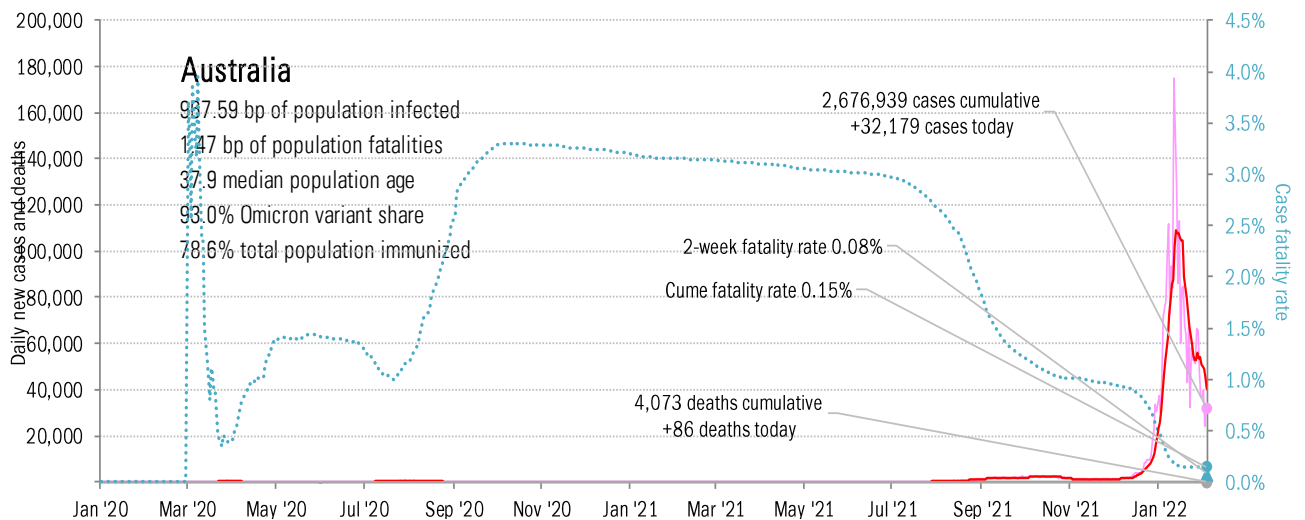
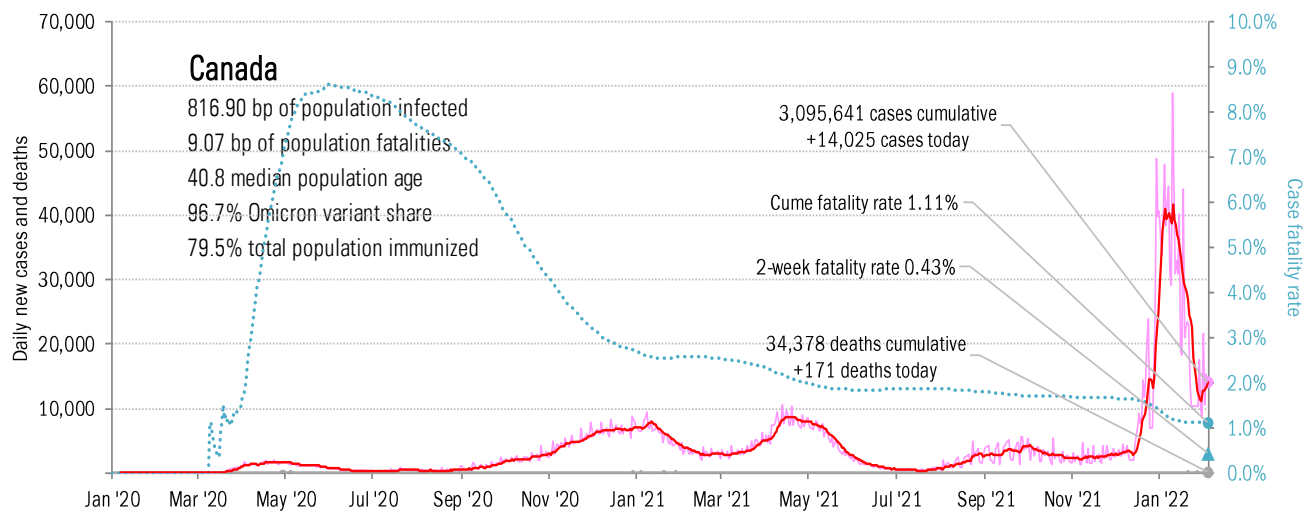
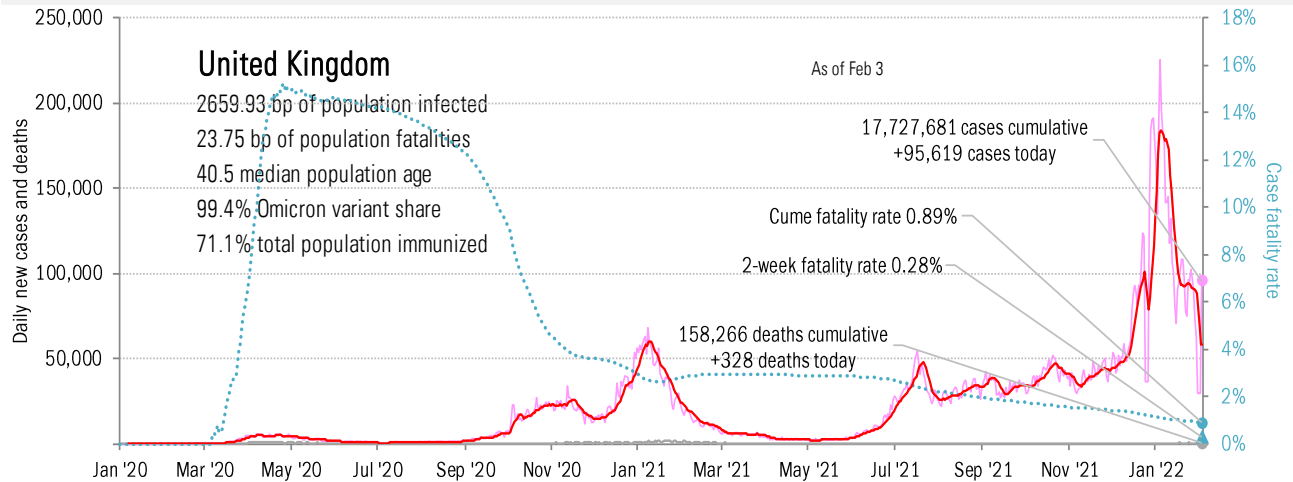
Cases: 7-day average and daily Deaths: Daily



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

Impact in The Anglosphere

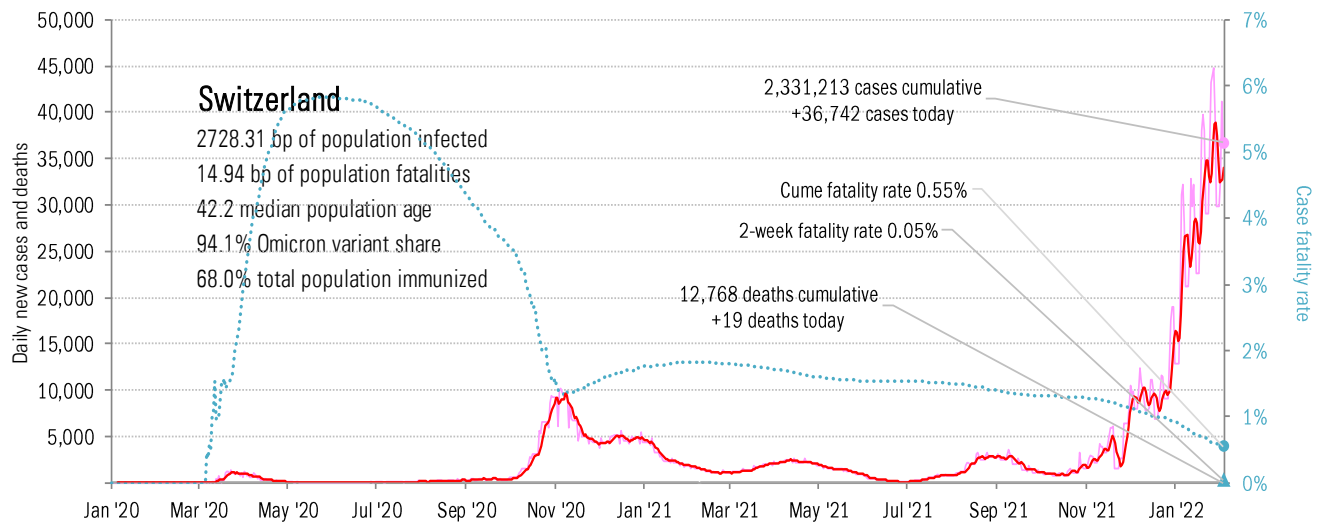
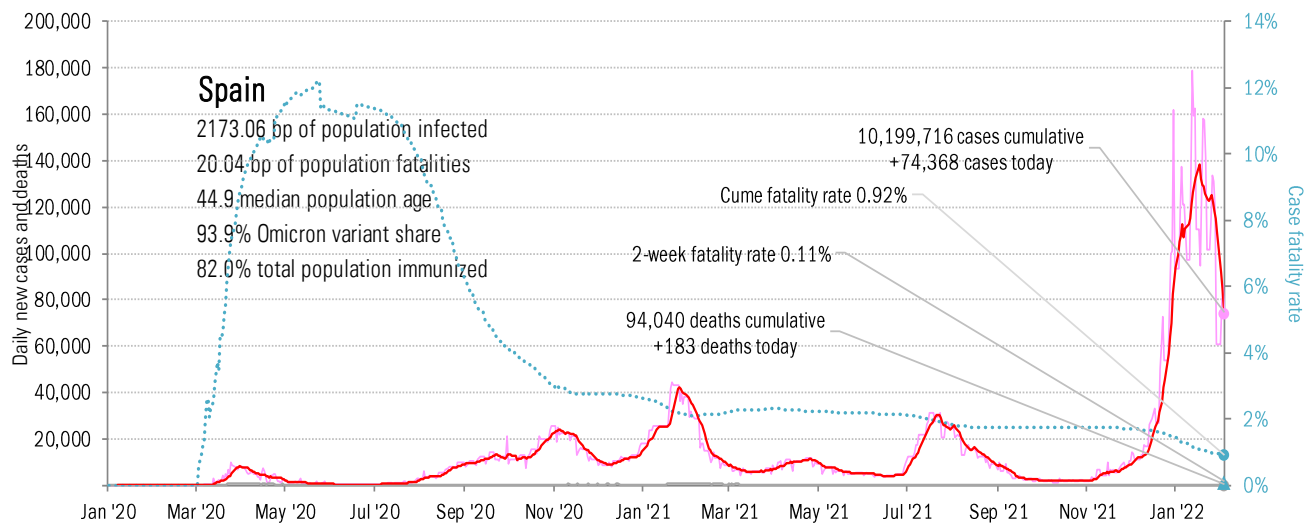
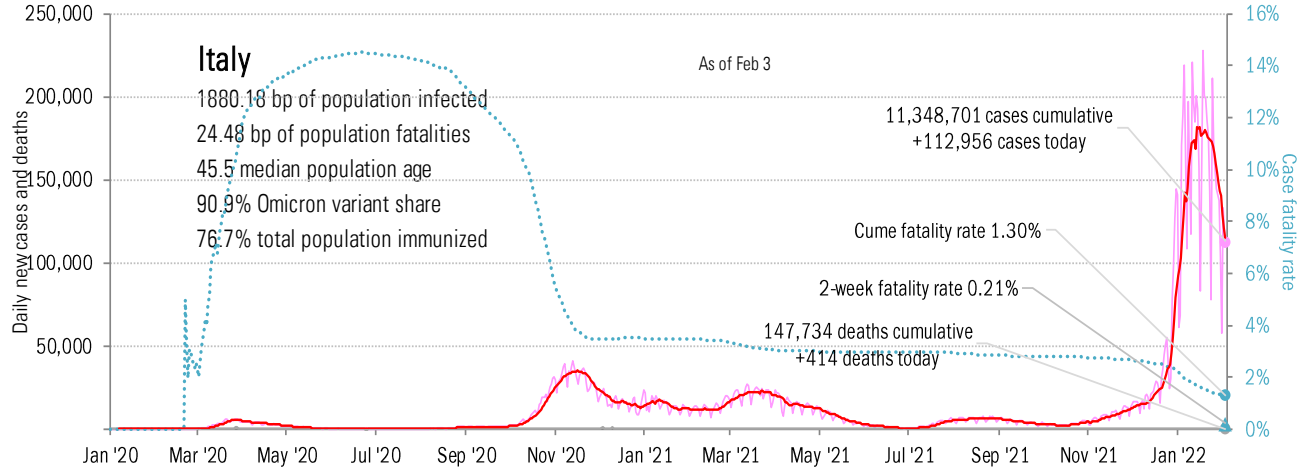
Cases: 7-day average and daily Deaths: Daily



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

Impact in continental Europe

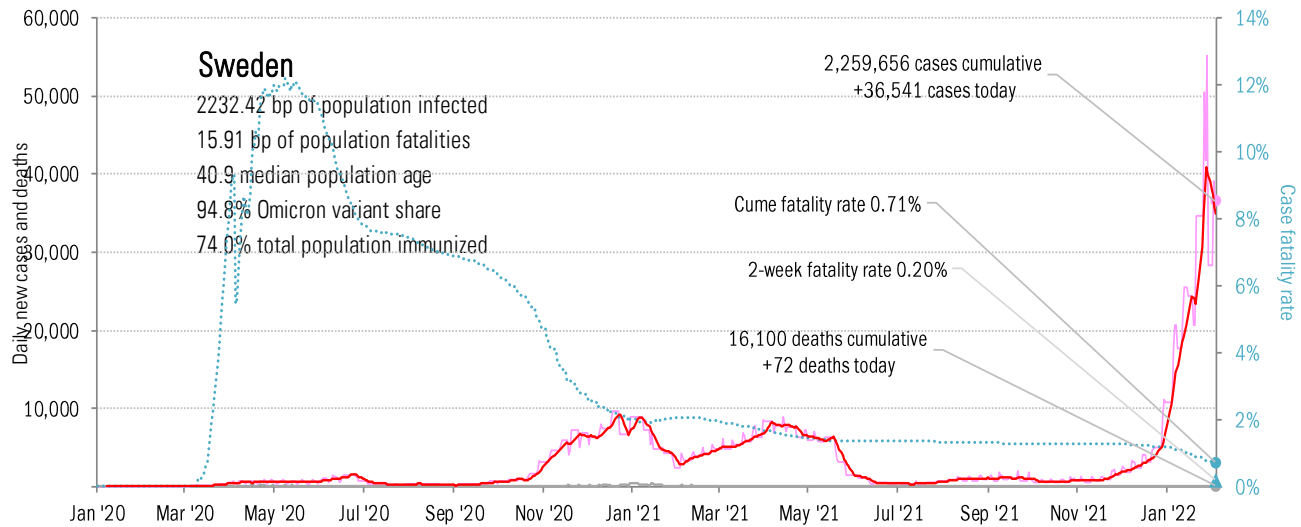
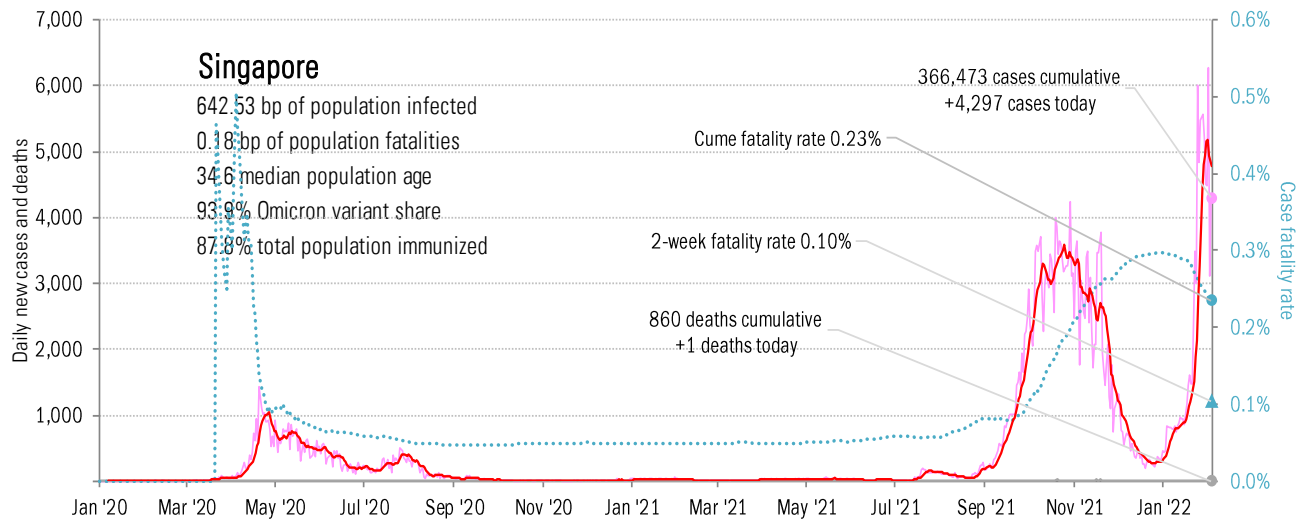
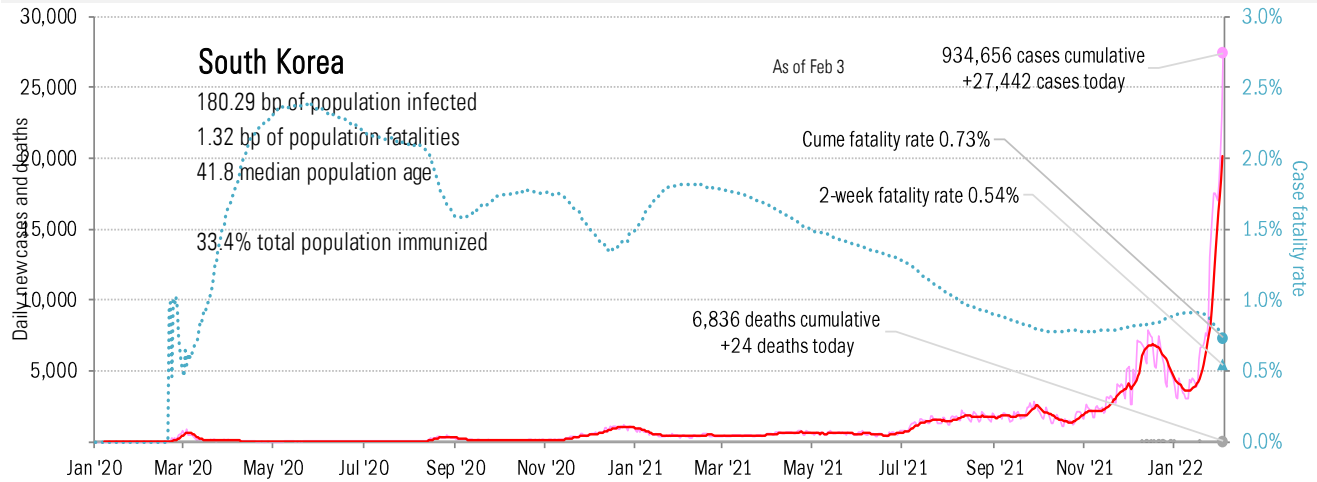
Cases: 7-day average and daily Deaths: Daily



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

Impact in other hot-spots

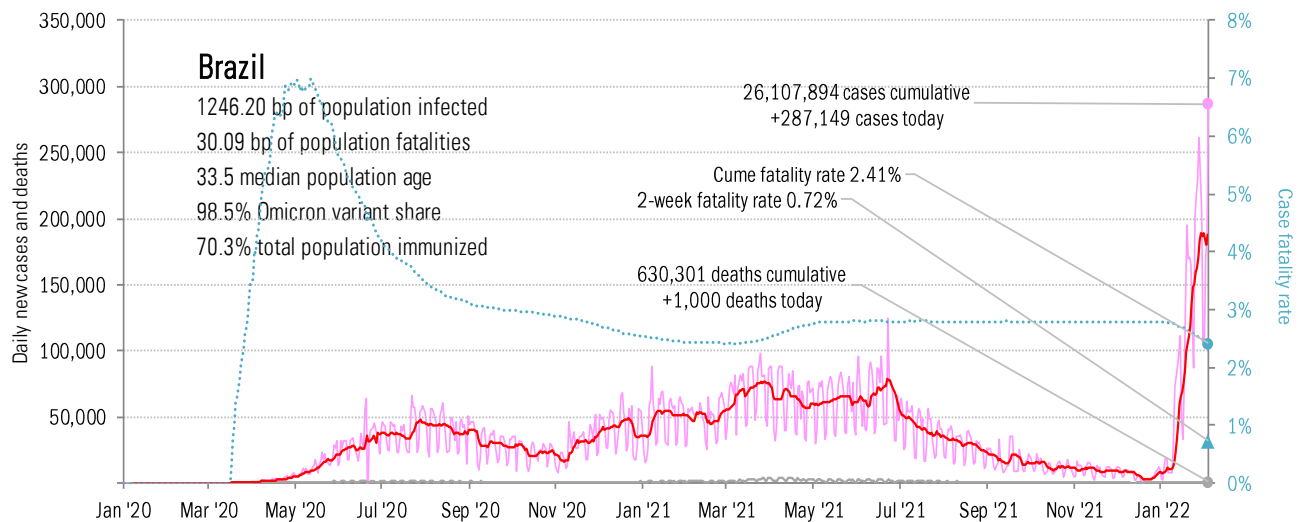
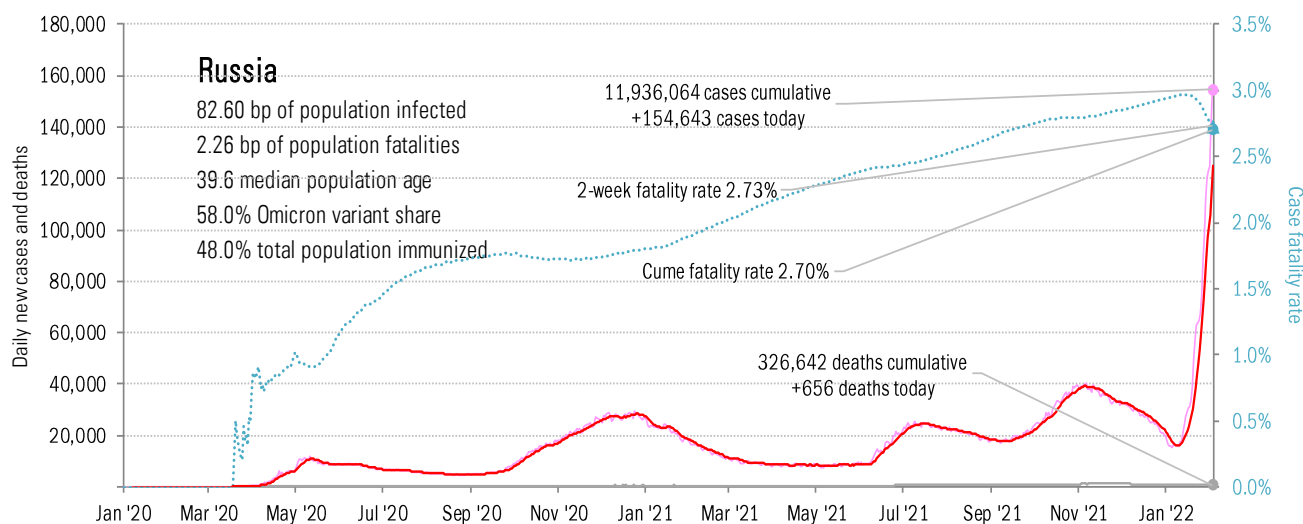
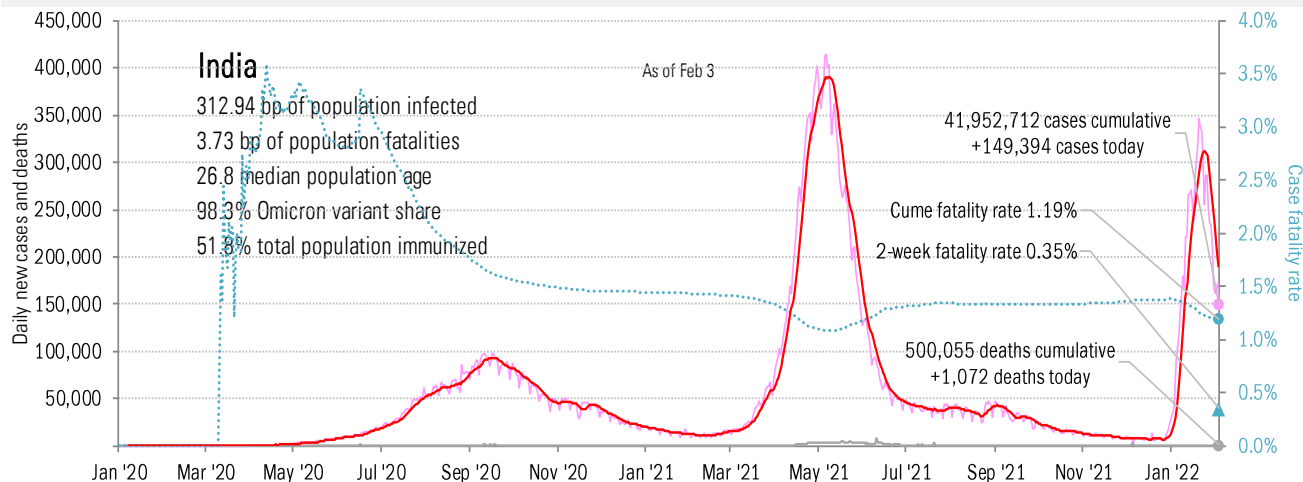
Cases: 7-day average and daily Deaths: Daily



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

Impact in the BRICs ex-China

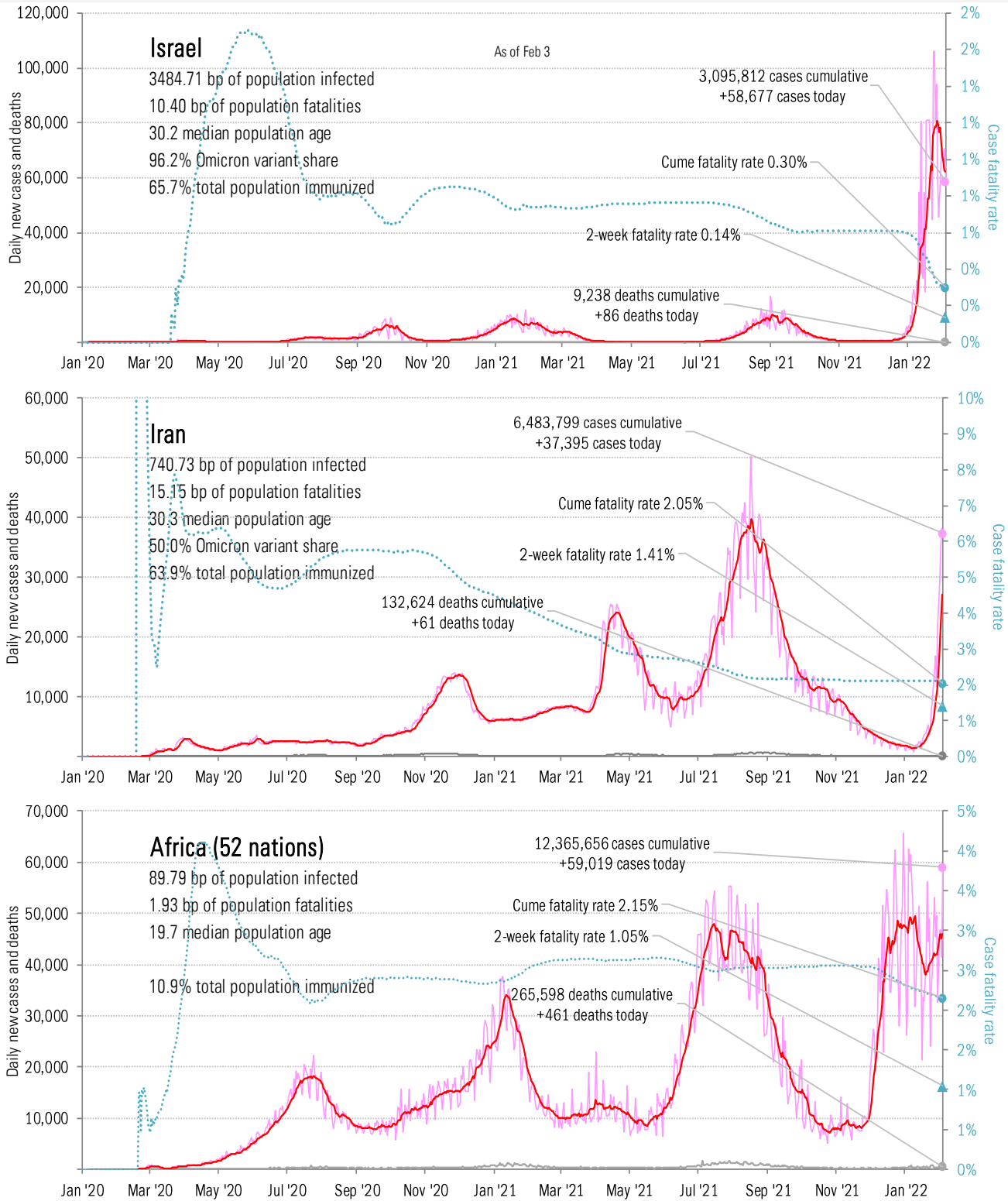
Cases: 7-day average and daily Deaths: Daily



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

Impact in the Middle East and Africa

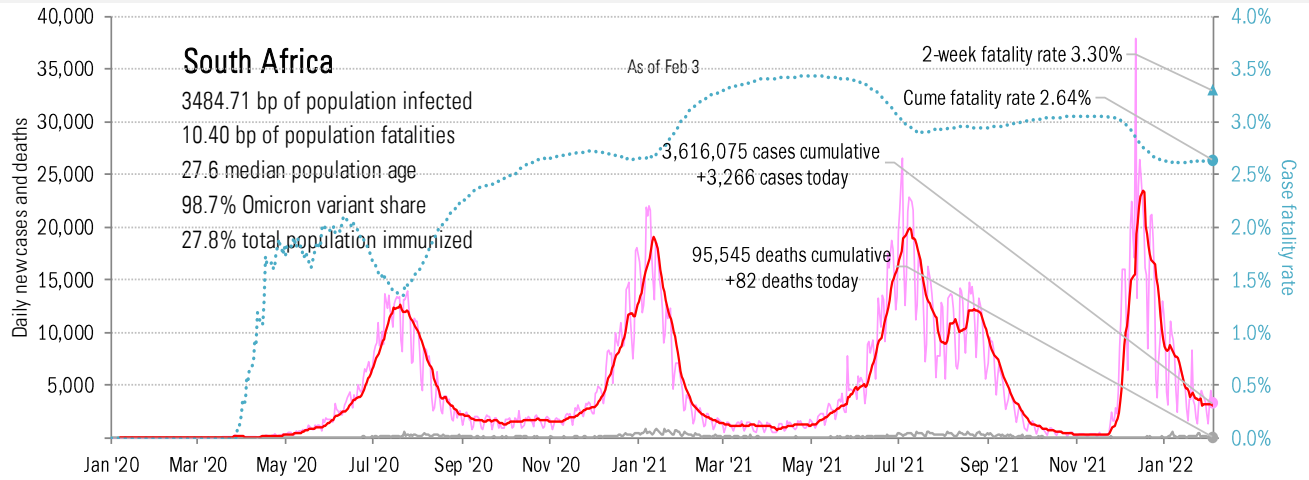
Cases: 7-day average and daily Deaths: Daily



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

Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



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