

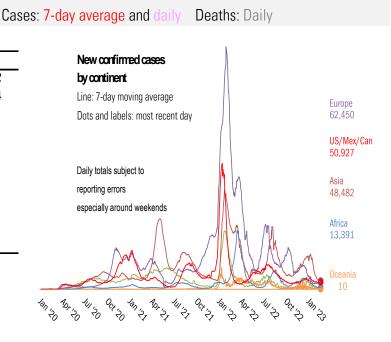
Trend Macrolytics, LLC Donald Luskin, Chief Investment Officer Thomas Demas, Managing Director Michael Warren, Energy Strategist

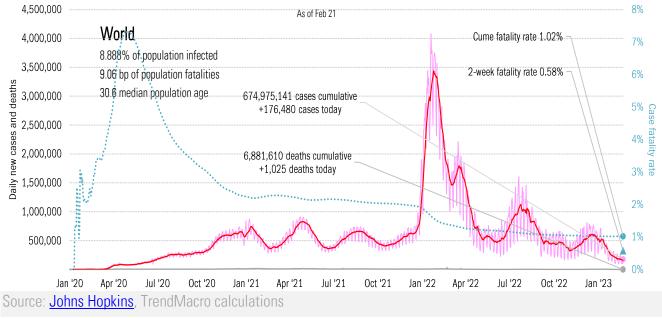
Data Insights: Covid-2019 Monitor

Wednesday, February 22, 2023

The global scorecard

New cases		New Deaths			
United States	50,020	United States	442		
Italy	28,347	Germany	104		
Germany	25,763	Japan	72		
Japan	19,410	Australia	63		
Taiwan*	17,240	Taiwan*	44		
Brazil	17,169	Italy	43		
Korea, South	13,082	Russia	38		
Russia	11,172	France	32		
China	8,847	Spain	30		
Spain	7,038	Korea, South	14		





For more information contact us: Donald Luskin: 214 550 2020 <u>don@trendmacro.com</u> Thomas Demas: 704 552 3625 <u>tdemas@trendmacro.com</u>

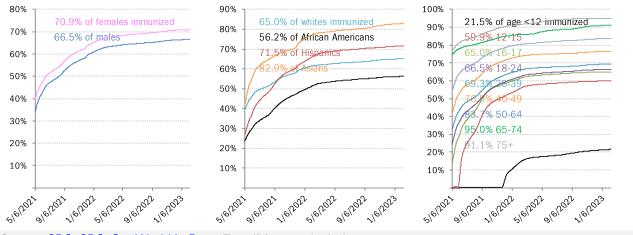
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The US scorecard

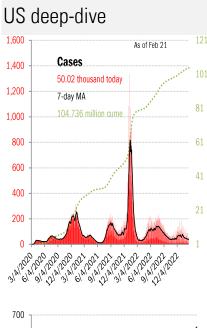
New cases: New deaths: New in hospital Cume cases: Cume deaths: Cume in hospital Hospital use IOUse NY 11,991 R. 83 CA 428 CA 12,069,365 CA 100,561 TX 588,137 MA 889,57 MA 89,67 MA 90,065 CH 243,92 DE 89,67 MA 82,67 DE 89,67 MA 82,67 DE 89,67 MA 91,933 MA 141,957 PA 20,016 HA 92,97 MI 80,99,73 MI 41,957 PA 20,231 MA 81,97
MI 6,547 MO 40 MT 2.3 TX 8,418,462 TX 93,047 CA 566,429 RR 8,696 AL 85% A
R. 4,721 CA 38 IA 33 F. 7,516,906 F. 86,294 F. 552,048 DC 8/% VT 83% CA 4,041 NY 34 DD 20 NY 6,70,551 NY 76,990 NY 353,746 NN 8/% M 82% NC 1,673 DE 20 IN 71 IL 4,60,922 PA 50,056 CH 243,792 DE 83% MA 82% MI 81% 80%<
CA 4,041 NY 34 ID 20 NY 6,770,551 NY 76,990 NY 353,746 NN 84% H 82% NC 1,673 DE 20 IN 71 IL 4,060,982 PA 50,065 CH 243,792 DE 83% MA 82% NO 1,393 MA 18 VT 8 NC 3,702,921 CA 42,245 GA 241,997 MN 82% DE 83% MA 81% M3 81%
NC 1,673 DE 20 IN 71 IL 4,050,952 PA 50,055 CH 243,792 DE 83% MA 82% IL 1,545 PA 19 AK 12 PA 3,502,122 GA 42,245 GA 241,997 MN 82% DE 83% MA 81% MO 1,383 MA 18 VT 8 NC 3,449,973 MI 41,057 PA 200,081 WA 82% DC 81% NN 82% MO 81% NN 80% MO 81% NN 80% MO 81% NN 81% NN 81% NN 81% NN <
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35,213 291 851 55,241,177 610,050 3,312,795 All states 50,020 442 3,072 All states 104,735,983 1,146,208 6,002,099 All states 70% 66% 28% Top ten 54% 55% 55% Median 76% 74% Top ten 70% 66% 28% Top ten 54% 55% Some states not reporting Five most improved US states MI -664 MD -7 NY -118 MD -70 NE -4 NJ -62 AK 0 NM -1 VA -49 AL 0 AL 0 AL -42 1,600,000 As of Feb 21 12% 12% 12%
All states 50,020 442 3,072 All states 104,735,983 1,146,208 6,002,099 All states 70% 66% 67% Top ten 70% 66% 28% Top ten 54% 55% 55% 55% 6002,099 All states 70% 67% Image: Second States 66% 28% 70% 55% 55% 55% 55% 6002,099 All states 70% 67% Image: Second States Fewer new deaths Fewer new hospitalizations Image: Second States 6002,099 All states 70%
Top ten 70% 66% 28% Top ten 54% 55% Median 76% 74% Some states not reporting Some states not reporting Fewer daily cases Fewer new deaths Fewer new hospitalizations Some states not reporting MI -664 MD -7 NY -118 Some states S
Same states not reporting Fewer claity cases Fewer new cleatins VM -664 MD -7 NY -118 MD -70 NE -4 NJ -62 AK 0 NM -1 VA -49 AL 0 AK 0 MI -47 AR 0 AL 0 AL -42 1,600,000 As of Feb 21 -42 12% 12%
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Fewer daily cases Fewer new deaths Fewer new hospitalizations WI -664 MD -7 NY -118 MD -70 NE -4 NJ -62 AK 0 NM -1 VA -49 AL 0 AK 0 MI -47 AR 0 AL 0 AL -42 1,600,000 As of Feb 21 12% 12%
WI -664 MD -7 NY -118 MD -70 NE -4 NJ -62 AK 0 NM -1 VA -49 AL 0 AK 0 MI -47 AR 0 AL 0 AL -42 1,600,000 As of Feb 21 12% 12% 1,400,000 United States 10% 10%
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AL AR 0 AK 0 MI -47 1,600,000 AL 0 AL -42 1,600,000 As of Feb 21 12% 1,400,000 United States 32;16% of population infected 10%
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As of Feb 21 1,400,000 United States 32,16% of population infected 10%
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United States 32:16% of population infected
32 16% of population infected
1,2VV,VVV 25-10 hp of population fatalities
201 modion population radiantes
1,000,000 99.7% Omicron variant share 69.3% total population immunized
800,000 104,735,983 cases cumulative +50,020 cases today 600,000
± +50,020 cases today
800,000 600,000 400,000 400,000 800,000 104,735,983 cases cumulative +50,020 cases today 1,146,208 deaths cumulative +442 deaths today 4%
1,146,208 deaths cumulative 4%
+442 deaths today
2%
200,000
0%
Jan '20 Apr '20 Jul '20 Oct '20 Jan '21 Apr '21 Jul '21 Oct '21 Jan '22 Apr '22 Jul '22 Oct '22 Jan '23
purce: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

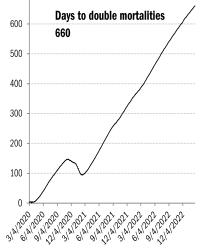
Rolling out the vaccines in the US and the world <u>Updates weekly on Friday</u>												
Administered Cumulative								day	Immunity US	Full	Partial	
Doses 687,757,074					+0.100	+0.100 million		69.3%	81.1%			
		Of which boosters:				+0.069 million U		75.2%	79.7%			
One dose			%		nune		New imm			78.4%	80.6%	
		7,766,983	83%		6,754,227	71%		million	Spain	85.6%	86.9%	
Age 12 to 17			8,473,231	73%	15,810,010		62% 77%	+0.001 million		Germany	76.2%	77.8%
Age 18 to 64			4,660,818	91%		156,918,716		+0.008 million		Italy	81.3%	86.2%
Age 65 and over 61		1,081,851	100%	5	3,508,406	98%	+0.002	million	Australia	82.7%	85.0%	
Other									Israel	65.2%	71.1%	
3% Modema State								Canada	82.6%	90.4%		
		ate	Best						Japan	83.3%	84.5%	
			2000						Africa	28.5%	34.7%	
	Pfizer		tial immunity	Midd	e					India	67.2%	72.5%
	59%	as % po		Territoria						Brazil	81.6%	87.9%
			munity	Wors	*					China	89.5%	91.9%
AK			pulation				1			Global data diff		rces, timing
73.0%		"Immunity" = tv	wo doses			WI		As of Feb 17			ME	
65.1%						75.1%					95.0%	
-						68.2%					83.3%	
	WA	ID	MT	ND	MN	IL	MI		NY	VT	NH	
	85.2%	63.9%	68.3%	69.4%	78.8%	79.2%	69.4%		94.4%	95.0%	88.2%	
	76.0%	56.4%	59.2%	58.7%	72.1%	71.3%	62.3%		80.8%	85.7%	71.9%	
	OR	NV	WY	SD	IA	IN	ОН	PA	NJ	MA		
	81.6%	77.6%	60.9%	83.9%	70.7%	64.4%	65.7%	90.6%	94.6%	95.0%		
	72.4%	63.7%	53.0%	66.3%	64.4%	57.7%	60.4%	73.4%	79.1%	84.3%		-
	CA	UT	CO	NE	M0	KY	WV	VA	MD	СТ	RI	
	84.7%	75.3%	83.7%	73.4%	69.3%	68.8%	67.5%	91.0%	91.7%	95.0%	95.0%	
	74.7%	66.7%	73.5%	66.3%	59.0%	59.6%	59.7%	76.6%	79.7%	83.0%	87.7%	
		AZ	NM	KS	AR	TN	NC	SC	DC	DE		
		77.6%	94.4%	76.2%	69.9%	64.4%	92.2%	71.0%	95.0%	88.2%		
		66.0%	75.2%	65.3%	56.9%	56.3%	67.1%	59.9%	90.4%	73.3%		
				OK	LA	MS	AL	GA				
				74.6%	62.8%	61.6%	65.0%	68.4%				
HI				60.5%	55.0%	53.7%	53.2%	57.3%		, -		•
91.4%				ТΧ					FL	1 L	PR	
81.5%				76.4%					82.5%		90.9%	
				63.2%					69.4%	J L	84.1%	l

The demographics of US vaccination



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





180,000

160,000

140,000

120,000

100,000

80,000

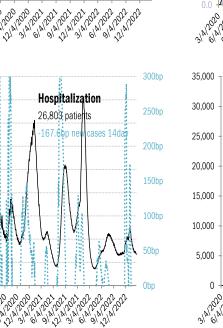
60,000

40,000

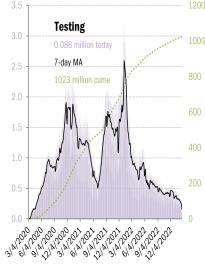
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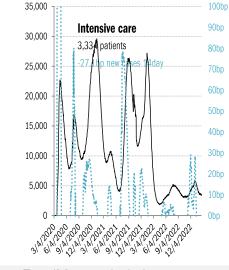
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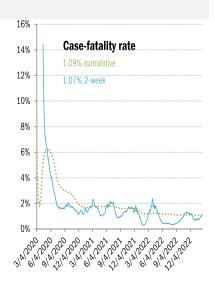
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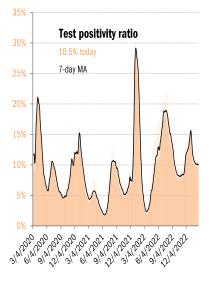


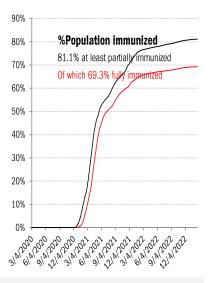




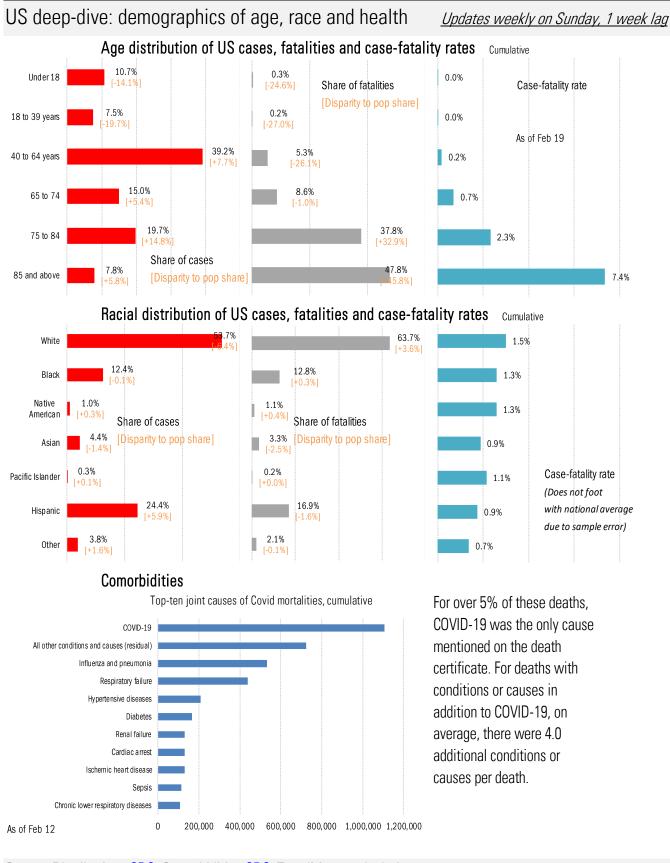








Source: Johns Hopkins, Covid Act Now, TrendMacro calculations



Source: Distributions <u>CDC</u>, Comorbidities <u>CDC</u>, TrendMacro calculations

Recommended reading

The 4 day week UK results are here 4 Day Week Global February 21, 2023

Firms stick to four-day week after trial ends Simon Read, Lucy Hooker & Emma Simpson

BBC February 21, 2023

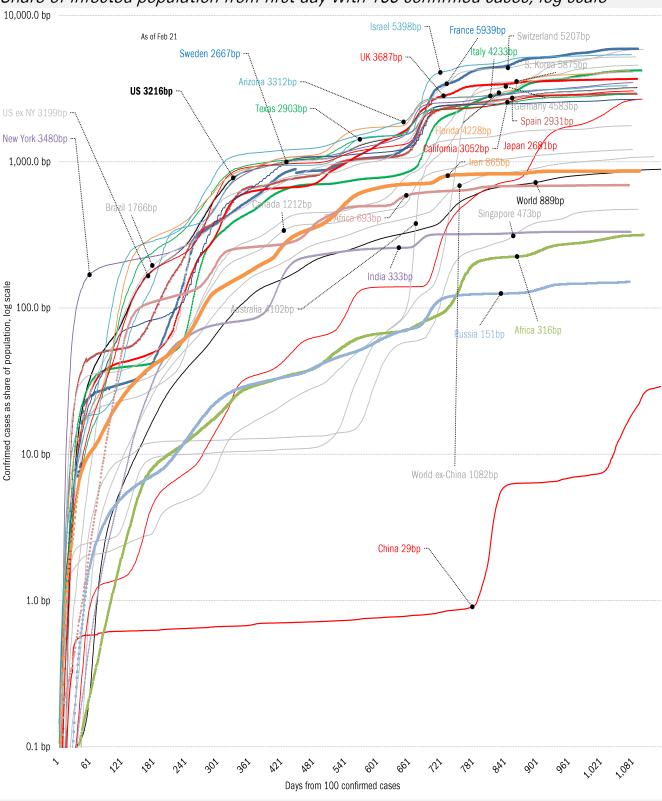
After Testing Four-Day Week, Companies Say They Don't Want to Stop

Vanessa Fuhrmans *Wall Street Journal* February 21, 2023

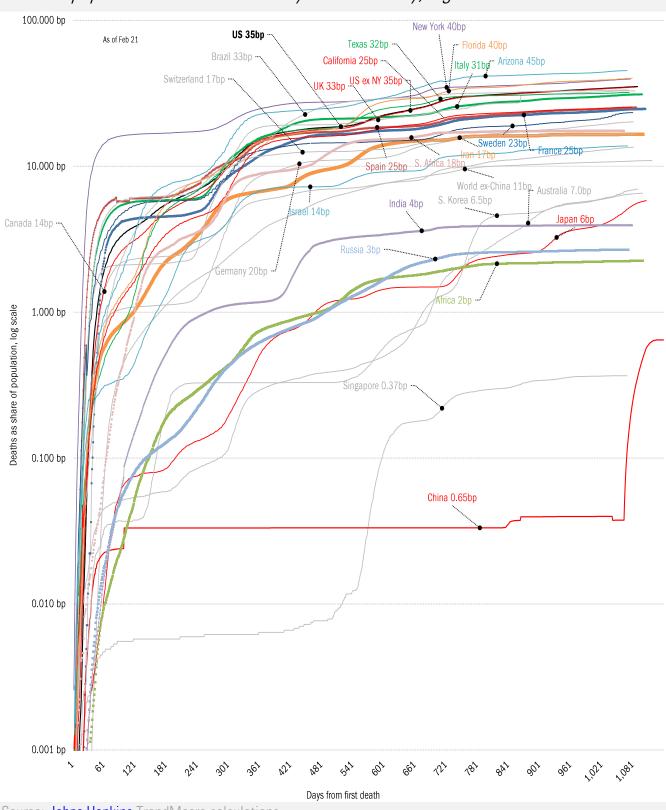
Meme of the Day



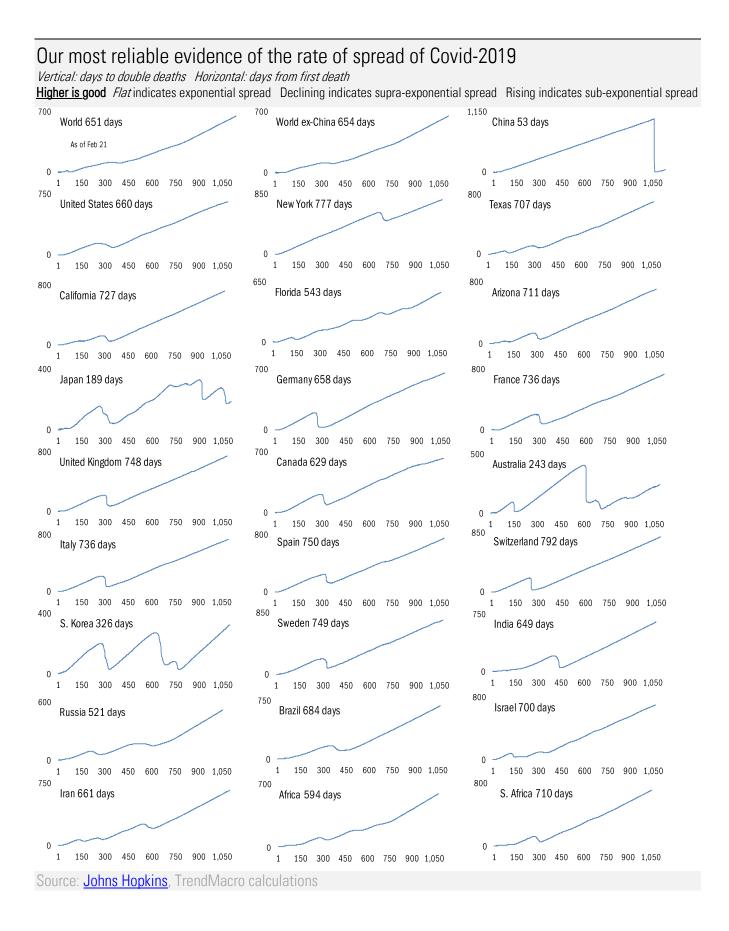
Source: Our beloved clients, **Power Line blog "The Week in Pictures"** and **CTUP**

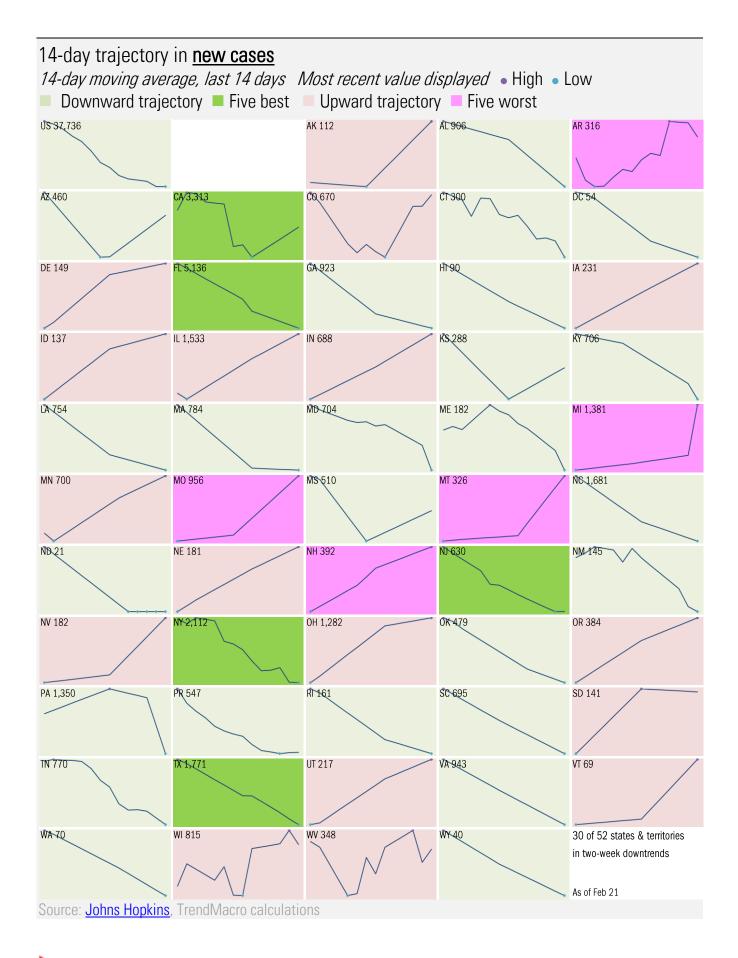


The global coronavirus <u>case</u> accelerometer... tracking the world's infection curves *Share of infected population from first day with 100 confirmed cases, log scale*



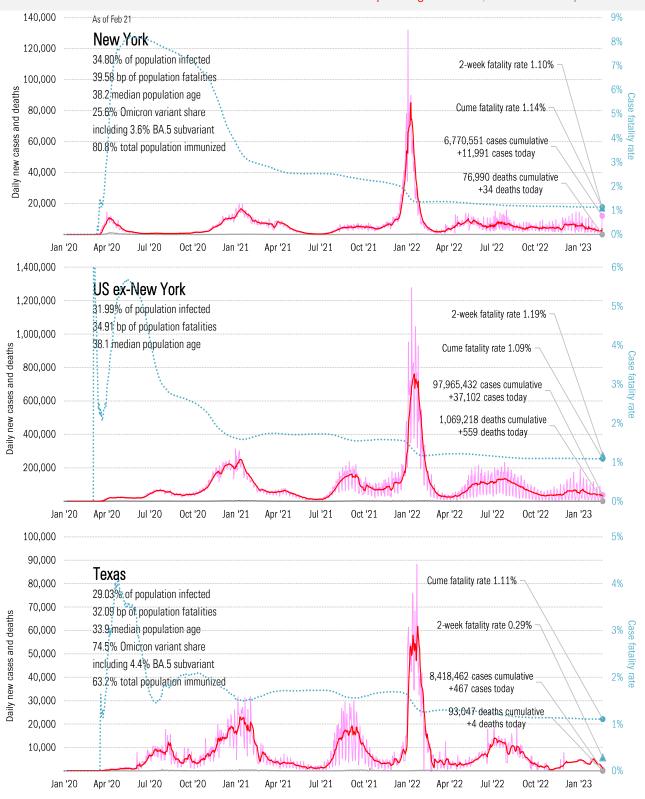
The global coronavirus <u>mortality</u> accelerometer ... tracking the world's fatality curves *Share of population deceased from day of first fatality, log scale*



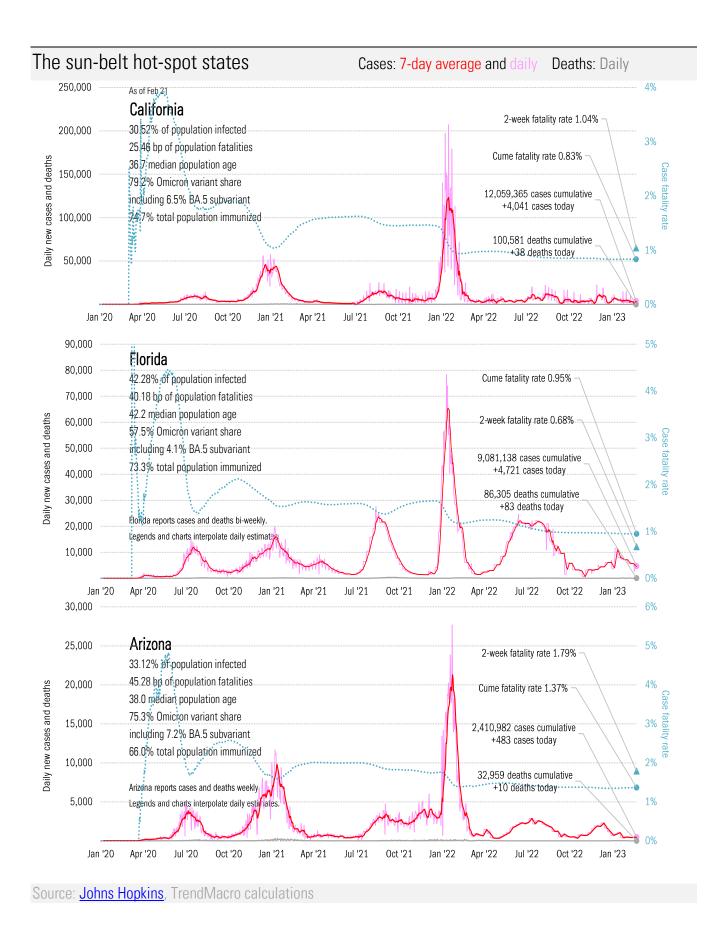


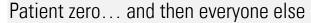


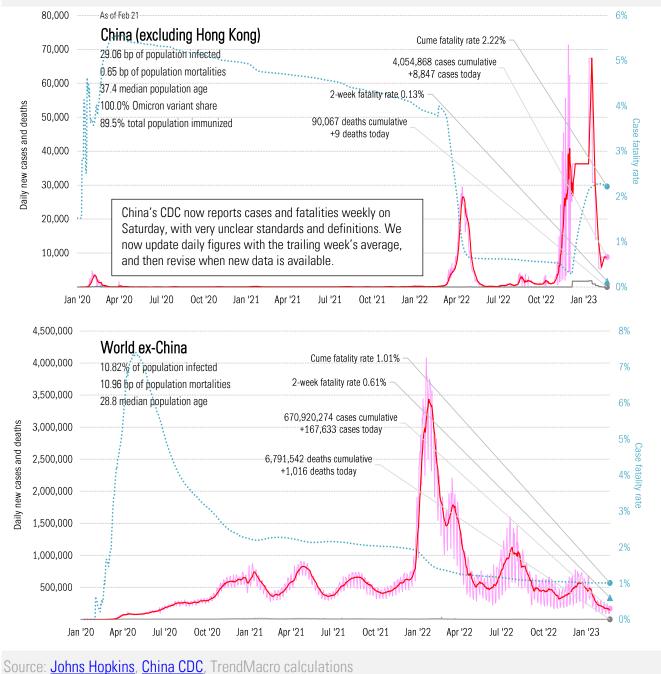
From Ground Zero to the Rio Grande Cases: 7



Source: Johns Hopkins, TrendMacro calculations

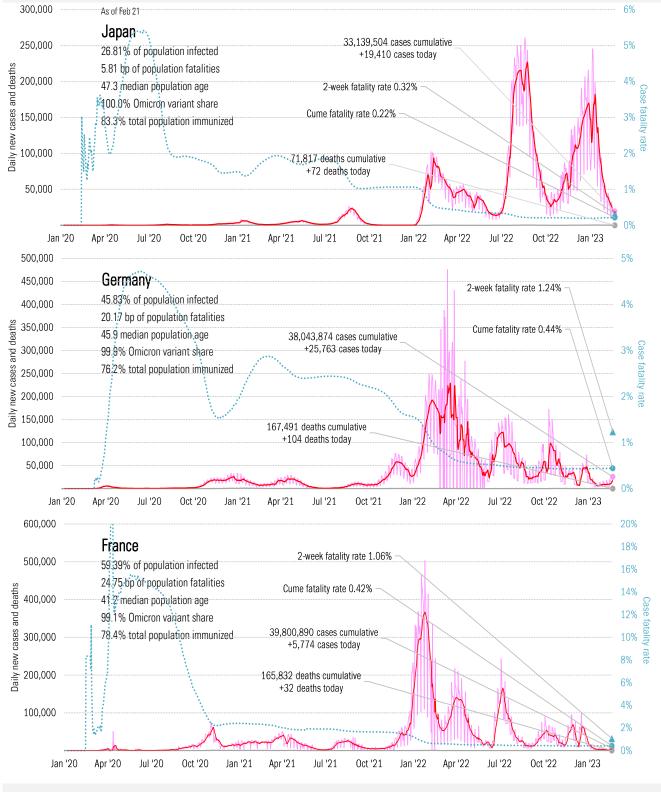




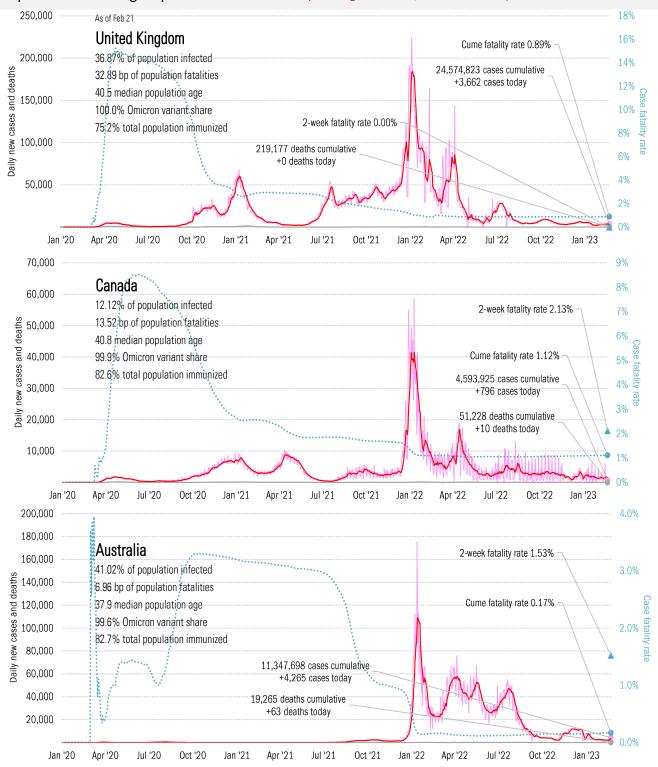


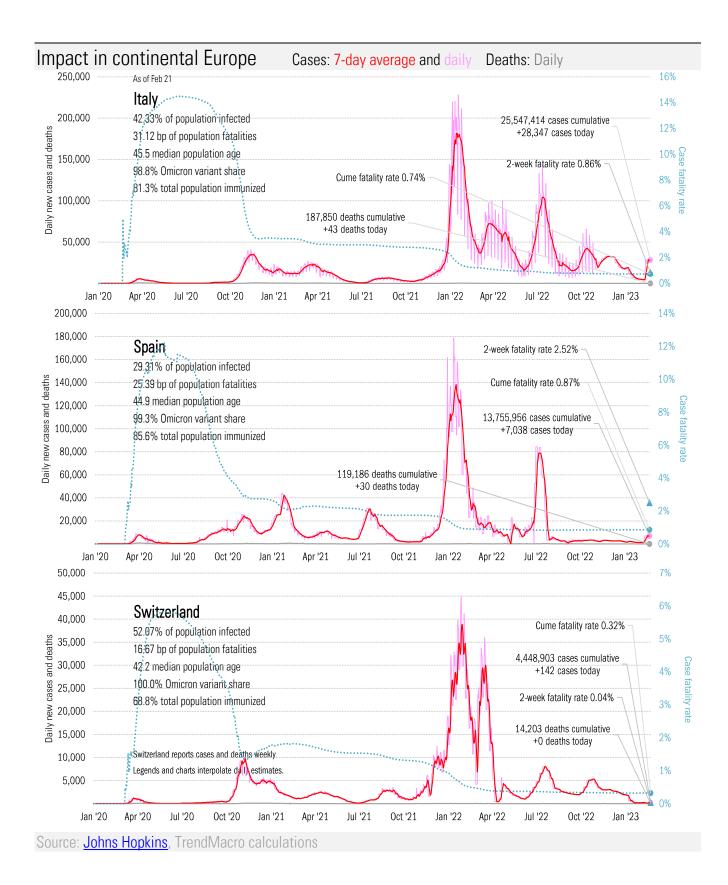
Impact in the largest economies Cases: 7-day average and daily

ge and daily Deaths: Daily

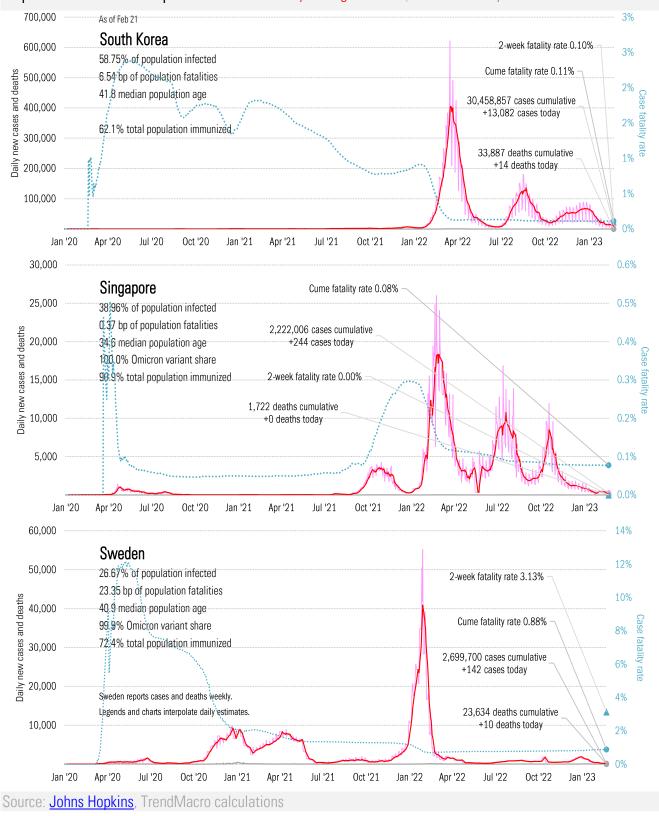


Impact in The Anglosphere Cases: 7-day average and daily Deaths: Daily

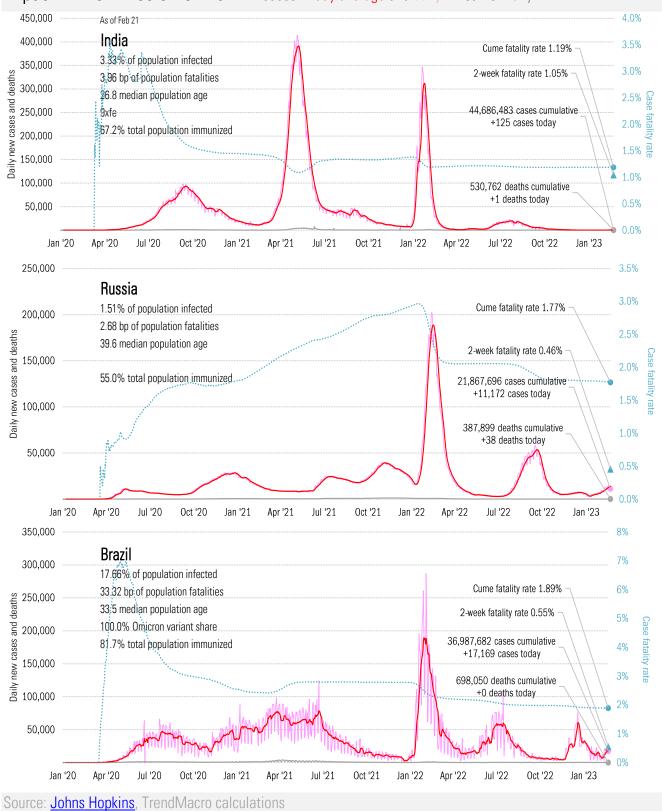


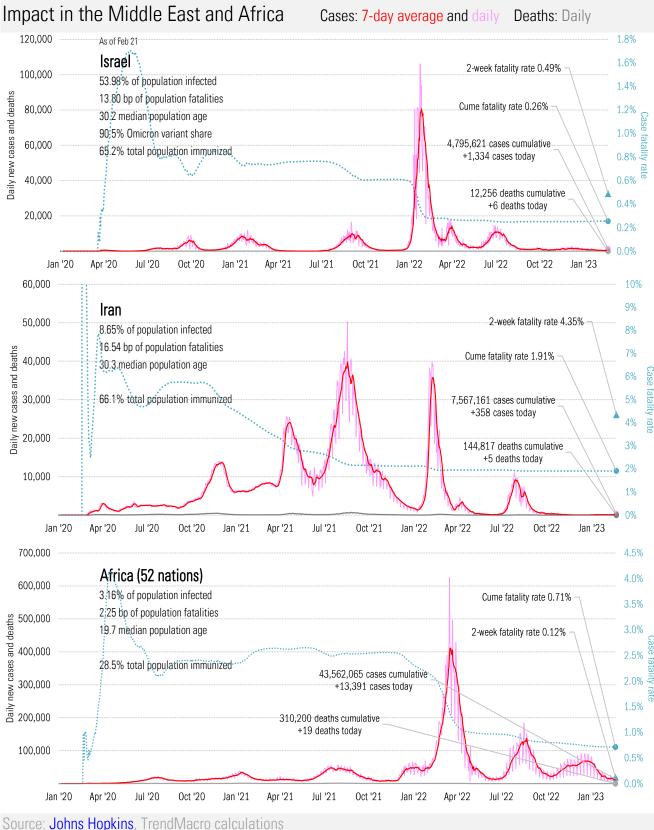


Impact in other hot-spots Cases: 7-day average and daily Deaths: Daily



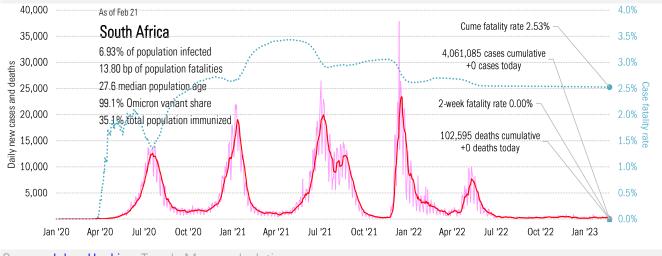
Impact in the BRICs ex-China





TrendMacro Data Insights: Covid-2019 Monitor

Impact in Africa, continued Cases: 7-day average and daily Deaths: Daily



Source: Johns Hopkins, Trend Macro calculations