

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

Data Insights: Covid-2019 Monitor

Wednesday, January 12, 2022



For more information contact us:

Donald Luskin: 214 550 2121 <u>don@trendmacro.com</u> Thomas Demas: 704 552 3625 <u>tdemas@trendmacro.com</u>

Copyright 2022 Trend Macrolytics LLC. All rights reserved. This document is not to be forwarded to individuals or organizations not authorized by Trend Macrolytics LLC to receive it. For information purposes only; not to be deemed to be recommendations for buying or selling specific securities or to constitute personalized investment advice. Derived from sources deemed to be reliable, but no warranty is made as to accuracy.



Source: Johns Hopkins, Dept. of Health and Human Services, CDC, TrendMacro calculations

Rolling out th	ie vacc	ines in	the US	S and t	he wor	ld					
Administered	Cumu	Ilative					То	day	Immunity	Full	Partial
Doses	5	34,546,596					+0.996 million		US	62.2%	74.5%
Boosters	77,477,074					+0.567 million		UK	70.0%	76.2%	
	One	dose	% Pop	Imn	nune	% рор	New imm	une today	France	74.6%	78.9%
Total population	2	53,335,717	76%	2	13,105,970	64%	+0.158	million	Spain	81.5%	85.8%
Age 12 to 17		15,454,982	65%		12,939,788	54%	+0.015	million	Germany	71.5%	74.1%
Age 18 to 64	1	71,229,775	84%	1	44,541,288	71%	+0.073	million	ltaly	74.8%	81.3%
Age 65 and over	Age 65 and over 58,029,545		100%		49,772,840	91%	+0.007	million	Australia	77.3%	79.8%
181	Every American >18 immunized in		ed in	Israel	64.5%	71.6%					
4%	56/ days				Canada	77.7%	83.9%				
	ate	Best		100-	+ uc	iyə		Japan	78.9%	80.3%	
Moderna 38%					by Jul 28	, 2023			Africa	9.9%	15.2%
At least partial immunity			Midd	Middle 75.3% of population >18 immunized				India	45.9%	64.3%	
58%	as % po	as % population			21.9% previously tes		sted positive		Brazil	67.7%	77.9%
	Full im	imunity	Wors	st	97.1%	vs 60% ac	fult herd im	imunity	China	84.2%	87.4%
AK	as % po	opulation			140		A f. J 11		Global data differ	s due to sources	s, timing
65.6%					WI		AS OF JAN 11			ME	
56.8%					69.0%					87.0%	
14/4		NAT		MANI	62.5%	N AI	6	MN/		/6.5%	
									VI		
/0.5%		62.4%	62.9%	7Z.Z%	/3.5%	64.1%			90.4%	95.0% 67.0%	
00.0 %	40.0%	04.3 %	55.1% SD	00.1% ΙΔ	04.9% IN	07.3%	PΔ	72.0%	70.3% ΜΔ	07.070	
74.6%	70.7%	56.5%	72.0%	65.5%	58.6%	61.2%	79.8%	85.2%	92.2%		
66.9%	57.1%	48.0%	57.8%	59.5%	52.4%	55.8%	64.6%	71.3%	75.3%		
CA	UT	CO	NE	M0	KY	WV	VA	MD	CT	RI	ľ
84.2%	68.0%	75.4%	67.1%	63.0%	63.2%	62.5%	80.1%	81.5%	90.4%	90.7%	
67.0%	59.4%	66.8%	60.4%	53.4%	54.7%	55.5%	68.6%	71.0%	75.4%	77.3%	
07.070	AZ	NM	KS	AR	TN	NC	SC	DC	DE		
	68.3%	81.8%	70.3%	63.5%	59.3%	78.3%	63.7%	90.1%	77.9%		
	57.7%	66.9%	57.6%	51.7%	51.8%	57.3%	53.6%	68.2%	64.8%		
			OK	LA	MS	AL	GA				
			67.1%	58.2%	56.4%	59.2%	61.8%				
HI			54.0%	50.7%	48.8%	48.1%	51.4%				
91.8%			TX					FL	[PR	
64.6%			67.8%					75.5%		89.9%	
			57.5%					63.9%		77.6%	
The demographics of	US vaccinat	tion									
70%	80%	1				40.00/ 6					
64.3% of females immunized			70% 60.2% of whites immunized				90% -	10.3% of ag	e <12 immuni	zea	
60:0% of mates			49.7% of African Americans				80% -	52.0% 12-1	5		
50%			60%03.U% OI HISPANIC8				70% - 59 5% 18/24				
4007			50%				60% - 63.6% 25-39				
40%			40%				50%				
30%			30%				40% 78.8% 50.64				
20%			30 %				30%	90.1% 65-7	A/ /		
20.00			20%				2000	84.7 7 7	1/ /		

10%

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

10%

20%

10%

21212131

6171

joi)

US deep-dive



















Source: Johns Hopkins, Covid Act Now, TrendMacro calculations



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

Recommended reading

Military Documents About Gain of Function Contradict Fauci Testimony Under Oath

Project Veritas January 11, 2022

A Deceptive Covid Study, Unmasked

Jay Bhattacharya and Tom Nicholson *Wall Street Journal* January 11, 2022

Repeat Booster Shots Spur European Warning on Immune-System Risks

Irina Anghel *Bloomberg* January 11, 2022

Professor Ehud Qimron: "Ministry of Health, it's time to admit failure" Swiss Policy Research

January 10, 2022

Meme of the day



mike cella

@mikeVcella

the CDC says it's not omicron unless it comes from the Omicrônne region of France, otherwise it's just sparkling covid

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



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



Requirement to <u>Open Up America Again</u>: 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

· · · · · · · · · · · · · · · · · · ·	1	, ,	1	
US 630,539		AK 951	AL 8,388	AR 5,632
A7 11 062	CA 70 457	C0 10 079	СТ 8 279	DC 2 198
12 11,002		00 10,010	010,210	
				/
DE 2,506	FL 48,611	GA 18,652	HI 3,194	IA 3,589
				\sim
ID 791	IL 26,871	IN 10,390	KS 4,882	KY 6,029
			f in the second s	
			\sim	
			\sim	
IA 9 546	MA 22 499	MD 12 724	ME 1 237	MI 17 774
	111122,100			
			/	
			\sim /	
		V0.5.044		No. 40,005
MN 6,180	MU 8,709	MS 5,241	MI 767	NC 18,065
		/	/	/
ND 819	NE 2,401	NH 2,081	NJ 29,506	NM 2,336
NV 3.417	NY 70.280	ОН 19.090	OK 4.696	OR 4.527
DA 22 527	DD 10 261	DIE 205	ec 12 790	SD 1 160
PA 23,537	PR 10,201	RI 5,205	30 12,709	30 1,100
	/	-		
TN 9,733	TX 39,794	UT 5,562	VA 15,064	VT 1,085
WA 10,318	WI 8,387	WV 2,699	WY 493	0 of 52 states & territories
				in two wook downtrando
				As of Ian 10
-			-	

Alt requirement to <u>Open Up America Again</u>: 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



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





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 250,000 18% **United Kingdom** 16% As of Jan 11 200,000 2224.60 bp of population infected 14% Daily new cases and deaths 22.67 bp of population fatalities 14,826,336 cases cumulative +117,337 cases today 12% 40.5 median population age 150,000 82.3% Omicron variant share 10% Cume fatality rate 1.02% 70.0% total population immunized 8% 2-week fatality rate 0.21% 100,000 6% 151,093 deaths cumulative 4% 50,000 +381 deaths today 2% 0% Feb 3 Dec 31 Feb 19 Apr 9 May 29 Jul 18 Sep 6 Oct 26 Dec 15 Mar 25 May 14 Jul 3 Aug 22 Oct 11 Nov 30 90,000 9.0% Canada 80,000 8.0% 693.46 bp of population infected 70,000 7.0% 8.19 bp of population fatalities Daily new cases and deaths 2,627,864 cases cumulative 60,000 6.0% 40.8 median population age +29,266 cases today 71.0% Omicron variant share 50,000 5.0% Cume fatality rate 1.18% 77.7% total population immunized 40,000 4.0% 2-week fatality rate 0.46% 30,000 3.0% 20,000 2.0% 31,017 deaths cumulative +93 deaths today 10.000 1.0% 0.0% Dec 31 Feb 19 Apr 9 May 29 Jul 18 Sep 6 Oct 26 Dec 15 Feb 3 Mar 25 May 14 Jul 3 Aug 22 Oct 11 Nov 30 120,000 4.5% Australia 4.0% 1,223,505 cases cumulative 100,000 442.24 bp of population infected +84,408 cases today 3.5% , cases and deaths 000'09 000'00 039 bp of population fatalities 3.0% 37.9 median population age 80.1% Omicron variant share 2.5% 77.3% total population immunized 2-week fatality rate 0.24% 2.0% Daily new 0 000,004 1.5% Cume fatality rate 0.20% 1.0% 20,000 2,465 deaths cumulative +50 deaths today 0.5% 0.0% Dec 31 Feb 19 Apr 9 May 29 Jul 18 Sep 6 Oct 26 Dec 15 Feb 3 Mar 25 May 14 Jul 3 Aug 22 Oct 11 Nov 30





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



Impact in the BRICs ex-China Cases: 7-day average and daily Deaths: Daily



Impact in the Middle East and Africa Cases: 7-day average and daily Deaths: Daily 60,000 2% Israel As of Jan 11 2% 50,000 1788.72 bp of population infected 1,589,099 cases cumulative 1% Daily new cases and deaths +31,502 cases today 9.31 bp of population fatalities 40,000 1% 30.2 median population age Cume fatality rate 0.52% 70.7% Omicron variant share 1% 30,000 64.5% total population immunized 1% 2-week fatality rate 0.16% 20,000 1% 0% 8,274 deaths cumulative 10,000 +3 deaths today 0% 0% Feb 19 Dec 31 Apr 9 May 29 Jul 18 Sep 6 Oct 26 Dec 15 Feb 3 Mar 25 Jul 3 Aug 22 Oct 11 Nov 30 May 14 60,000 10% Iran 9% Cume fatality rate 2.12% 50,000 709.49 bp of population infected 8% 2-week fatality rate 1.63% 15.07 bp of population fatalities Daily new cases and deaths 7% 40,000 30.3 median population age 6% 50.0% Omicron variant share 6,210,298 cases cumulative 61.8% total population immunized 30,000 5% +1,961 cases today rate 4% 20,000 3% 131,940 deaths cumulative 2% +25 deaths today 10,000 1% 0% Dec 31 Aug 22 Feb 19 Apr 9 May 29 Jul 18 Sep 6 Oct 26 Dec 15 Feb 3 Mar 25 May 14 Jul 3 Oct 11 Nov 30 70,000 5% Africa (52 nations) 4% 11,339,534 cases cumulative 60,000 +42,874 cases today 82.34 bp of population infected 4% 50,000 Maily new cases and deaths 30,000 20,000 1.86 bp of population fatalities Cume fatality rate 2.26% 19.7 median population age 3% 2-week fatality rate 0.81% Case fatality 3% 9.9% total population immunized 2% 2% 1% 10,000 1% 256,226 deaths cumulative +381 deaths today 0% Dec 15 Dec 31 Feb 19 Apr 9 May 29 Jul 18 Sep 6 Oct 26 Feb 3 Mar 25 May 14 Jul 3 Aug 22 Oct 11 Nov 30





Source: Johns Hopkins, TrendMacro calculations