

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

Data Insights: Covid-2019 Monitor

Thursday, January 6, 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>

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

| Rolling out the vaccines in the US and the world | | | | | | | | | | | | |
|--|--------------|---------------|---------------|-------|-------------|----------------|--------------|-------------------|-------------|--------------------|------------------|-----------|
| Administer | ed | Cumu | Ilative | | | | | To | day | Immunity | Full | Partial |
| Doses | | 52 | 27,143,422 | | | | | +1.191 | million | US | 61.8% | 73.9% |
| Boosters | | 7 | 73,320,863 | | | | | +0.634 | million | UK | 69.7% | 76.0% |
| | | One | dose | % Pop | Imn | nune | % pop | New imm | une today | France | 73.8% | 78.6% |
| Total popul | ation | 25 | 51,274,426 | 75% | 2 | 11,940,470 | 63% | +0.218 | million | Spain | 81.4% | 85.4% |
| Age 12 to 1 | 7 | ĺ | 15,296,205 | 64% | | 12,842,046 | 54% | +0.017 | million | Germany | 70.9% | 73.8% |
| Age 18 to 6 | 64 | 16 | 69,960,754 | 84% | 1 | 43,985,006 | 71% | +0.112 | million | Italy | 74.3% | 80.5% |
| Age 65 and | lover | Ę | 57,860,959 | 100% | | 49,700,650 | 91% | +0.018 | million | Australia | 76.9% | 79.5% |
| 1%I | | | | | | Every Am | erican >18 | 8 immuniz | ed in | Israel | 64.0% | 71.1% |
| 4% | | | | | | うて. | 7 da | | | Canada | 77.4% | 83.6% |
| | | 04 | | Deed | | 30 | I Uc | 1y5 | | Japan | 78.9% | 80.3% |
| Moderna | | 50 | ate | Best | | by Dec 2 | 7,2022 | <u> </u> | | Africa | 9.5% | 14.6% |
| 38% | Dfizor | At least part | tial immunity | | | 75.0% of | population | >18 immu | nized | India | 44.3% | 62.0% |
| | 58% | as % po | pulation | Midd | le | 20.3% pre | eviously tes | ted positive | e | Brazil | 67.2% | 77.8% |
| | 0010 | Full im | imunity | | | 95.3% | vs 60% ac | dult herd im | nmunity | China | 83.6% | 87.2% |
| AK | | as % po | pulation | Wors | st | | | | | Global data differ | s due to sources | s, timing |
| 65.3% | | | | | | W | 1 | As of Jan 5 | | | ME | |
| 56.5% | | | | | | 68.6% | | | | | 86.3% | |
| | | | | | | 62.2% | | | | | 76.1% | |
| | WA | ID | MT | ND | MN | IL | MI | 1 | NY | VT | NH | |
| | 76.0% | 52.3% | 62.2% | 62.5% | 71.8% | 72.8% | 63.8% | | 84.8% | 89.8% | 95.0% | |
| | 68.1% | 46.4% | 54.1% | 52.8% | 65.7% | 64.5% | 57.0% | | 72.1% | 77.8% | 67.4% | |
| | OR | NV | WY | SD | IA | IN | OH | PA | NJ | MA | | |
| | 74.2% | 70.0% | 56.1% | 71.4% | 65.2% | 58.1% | 60.8% | 78.9% | 84.4% | 91.3% | | |
| | 66.6% | 56.7% | 47.7% | 57.4% | 59.2% | 52.1% | 55.5% | 64.2% | 70.8% | 74.9% | | |
| | CA | UT | CO | NE | M0 | KY | WV | VA | MD | CT | RI | |
| | 83.4% | 67.6% | 74.9% | 66.7% | 62.6% | 62.8% | 62.2% | 79.6% | 80.9% | 89.5% | 89.9% | |
| | 66.5% | 59.0% | 66.5% | 60.1% | 53.1% | 54.4% | 55.3% | 68.3% | 70.6% | 75.0% | 76.9% | |
| • | | AZ | NM | KS | AR | TN | NC | SC | DC | DE | | |
| | | 67.7% | 81.0% | 69.7% | 63.1% | 59.0% | 77.2% | 63.2% | 89.3% | 77.2% | | |
| | | 57.3% | 66.5% | 57.3% | 51.5% | 51.6% | 57.0% | 53.4% | 67.9% | 64.5% | | |
| | | | | OK | LA | MS | AL | GA | | | | |
| | | | | 66.5% | 57.8% | 56.2% | 58.9% | 61.6% | | | | |
| HI | | | | 53.7% | 50.5% | 48.7% | 47.9% | 51.3% | | | | |
| 89.7% | | | | TX | | | | | FL | l ľ | PR | |
| 64.0% | | | | 67.3% | | | | | | 89.4% | | |
| | | | | 57.2% | | | | | 63.6% | | 77.3% | |
| | | | | | • | | | | | - • | | |
| The demog | raphics of l | US vaccinat | tion | | | | | | | | | |
| 70% _T | | | | 80% T | | | | 100% _T | | | | |
| | 63.9% of fen | nales immuni | zed | 700/ | 60.2% of wh | nites immunize | ed | 90% | 9.4% of age | <12 immunize | d | |

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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

For C.D.C.'s Walensky, a Steep Learning Curve on Messaging

Sharon LaFraniere, Sheryl Gay Stolberg and Noah Weiland Jan. 5, 2022

New York Times January 5, 2022

The Vaccine Mandate: A Case For Caution

Richard Epstein *Hoover Institution* January 4, 2022

<u>UK nurse reportedly recovers from COVID-19 coma</u> after receiving Viagra By Yaron Steinbuch

Yaron Steinbuch *New York Post* January 3, 2022

Meme of the day

L.A. County detects first 'flurona' case, a co-infection of flu and COVID

Brittey Majia *Los Angeles Times* January 5, 2022

Biden Administration to Increase Supply of 'Game Changer' Pfizer Pill

Noah Weiland and Rebecca Robbins *New York Times* January 4, 2022

Hong Kong Bans Flights From U.S., U.K., Six Other Nations

Shirley Zhao, Alfred Liu, and Jinshan Hong Bloomberg January 4, 2022



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

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|---|-----------|------------|-----------|-------------------------------------|
| US 453,172 | | AK 552 / | AL 5,308 | AR 3,049 / |
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| AZ 5,930 | CA 42,734 | CO 6,502 | CT 6,221 | DC 2,219 |
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| DE 1,820 | FL 32,469 | GA 15,042 | HI 2,315 | IA 2,007 🔥 |
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| ID 566 / | IL 20,447 | IN 7,381 / | KS 3,425 | KY 4,290 |
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| LA 6,481 | MA 16,305 | MD 10,787 | ME 1,226 | MI 15,752 |
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| MN 5,120 | MO 5,741 | MS 3,367 | MT 563 | NC 10,957 |
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| ND 532 | NE 1,227 | NH 1,388 | NJ 24,180 | NM 1,437 |
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| NV 2,118 | NY 57,719 | OH 17,617 | UK 2,305 | OR 2,361 |
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| DA 10 001 | DD 0 251 | DI 2 000 | 00.0.107 | CD 040 |
| PA 10,881 | PR 9,351 | RI 3,809 | 50 8,107 | 50 842 |
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| TN 8 37/ | TV 27 663 | UT 3 038 / | VA 10 913 | VT 7/1 |
| 111 0,314 | IX 21,003 | 01 3,038 | VA 10,913 | V1 741 |
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| WA 6 684 | WL5.052 / | WV 1 897 | WY 301 / | 3 of 52 states & territories |
| | | | | |
| | | | | III two-week downtrends |
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| | | | | As of Jan 5 |

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

| US 24.6% | | AK 11.4% | AL 32.1% | AR 20.8% |
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| AZ 21.9% | CA 16.0% | CO 22.2% | CT 23.2% | DC 27.2% |
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| DE 24.5% | FL 32.0% | GA 40.4% | HI 18.3% | IA 19.9% |
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| ID 20.2% | IL 19.4% | IN 27.6% | KS 22.7% | KY 23.2% |
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| LA 29.7% | MA 19.7% | MD 29.9% | ME 16.7% | MI 28.5% |
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| MN 19.1% | MO 26.5% | MS 38.4% | MT 14.5% | NC 24.0% |
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| ND 13.7% | NE 22.9% | NH 19.1% | NJ 32.6% | NM^18.5% |
| ND 13.7% | NE 22.9% | NH 19.1% | N 32.6% | NM ¹ 18.5% |
| ND 13.7% | NE 22.9% | NH 19.1% | N 32.6% | NM 18.5% |
| | NE 22.9% | NH 19.1% | NJ 32.6% | NM^18.5% |
| | NE 22.9% | NH 19.1% | NJ 32.6% | NM^18.5% |
| ND 13.7% | NE 22.9% | NH 19.1% | NJ 32.6% | NM^18.5% |
| ND 13.7% | NE 22.9% | NH 19.1% OH 18.2% | NJ 32.6% | NM 18.5% OR 13.8% |
| ND 13.7% | NE 22.9% | NH 19.1% OH 18.2% | NJ 32.6% | NM^18.5% OR 13.8% |
| ND 13.7% | NE 22.9% | NH 19.1% OH 18.2% | NJ 32.6% | NM^18.5% OR 13.8% |
| ND 13.7% | NE 22.9% | NH 19.1% OH 18.2% | N 32.6% OK 24.7% | NM^18.5% OR 13.8% |
| ND 13.7% | NE 22.9% | NH 19.1% OH 18.2% | N 32.6% | NM 18.5% OR 13.8% |
| ND 13.7% | NE 22.9% | NH 19.1% OH 18.2% | N 32.6% OK 24.7% | NM 18.5% OR 13.8% |
| ND 13.7% | NE 22.9% NY 28.1% PR 31.4% | NH 19.1% OH 18.2% RI 12.1% | NJ 32.6% OK 24.7% SC 24.4% | NM 18.5% OR 13.8% SD 17.1% |
| ND 13.7% | NE 22.9% NY 28.1% PR 31.4% | NH 19.1% OH 18.2% RI 12.1% | NJ 32.6% OK 24.7% SC 24.4% | NM 18.5% OR 13.8% SD 17.1% |
| ND 13.7% | NE 22.9% NY 28.1% PR 31.4% | NH 19.1% OH 18.2% RI 12.1% | NJ 32.6% ОК 24.7% SC 24.4% | NM^18.5% OR 13.8% SD 17.1% |
| ND 13.7% | NE 22.9% NY 28.1% PR 31.4% | NH 19.1% OH 18.2% RI 12.1% | NJ 32.6% OK 24.7% SC 24.4% | NM ¹ 8.5% OR 13.8% SD 17.1% |
| ND 13.7% | NE 22.9% NY 28.1% PR 31.4% | NH 19.1% OH 18.2% RI 12.1% | NJ 32.6% OK 24.7% SC 24.4% | NM ¹ 8.5% OR 13.8% SD 17.1% |
| ND 13.7% | NE 22.9% NY 28.1% PR 31.4% | NH 19.1% OH 18.2% RI 12.1% | NJ 32.6% | NM 18.5% OR 13.8% SD 17.1% |
| ND 13.7% NV 30.1% PA 28.0% | NE 22.9% NY 28.1% PR 31.4% TX 31.8% | NH 19.1% OH 18.2% RI 12.1% UT 21.7% | NJ 32.6% OK 24.7% SC 24.4% VA 26.6% | NM 18.5% OR 13.8% SD 17.1% VT 14.2% |
| ND 13.7% NV 30.1% PA 28.0% | NE 22.9% NY 28.1% PR 31.4% TX 31.8% | NH 19.1% OH 18.2% RI 12.1% UT 21.7% | NJ 32.6% OK 24.7% SC 24.4% VA 26.6% | NM 18.5% OR 13.8% SD 17.1% VT 14.2% |
| ND 13.7% NV 30.1% PA 28.0% | NE 22.9% NY 28.1% PR 31.4% TX 31.8% | NH 19.1% OH 18.2% RI 12.1% UT 21.7% | NJ 32.6% OK 24.7% SC 24.4% VA 26.6% | NM 18.5% OR 13.8% SD 17.1% VT 14.2% |
| ND 13.7% | NE 22.9% NY 28.1% PR 31.4% TX 31.8% | NH 19.1% OH 18.2% RI 12.1% UT 21.7% | NJ 32.6% OK 24.7% SC 24.4% VA 26.6% | NM^18.5% OR 13.8% SD 17.1% VT 14.2% |
| ND 13.7% | NE 22.9% NY 28.1% PR 31.4% TX 31.8% | NH 19.1% OH 18.2% RI 12.1% UT 21.7% | NJ 32.6% OK 24.7% SC 24.4% VA 26.6% | NM^18.5% OR 13.8% SD 17.1% VT 14.2% |
| ND 13.7% | NE 22.9% NY 28.1% PR 31.4% TX 31.8% | NH 19.1% OH 18.2% RI 12.1% UT 21.7% | NJ 32.6% OK 24.7% SC 24.4% VA 26.6% | NM ¹ 8.5% OR 13.8% SD 17.1% VT 14.2% |
| ND 13.7% NV 30.1% PA 28.0% TN 31.2% WA 43.5% | NE 22.9% NY 28.1% PR 31.4% TX 31.8% WI 22.4% | NH 19.1% OH 18.2% RI 12.1% UT 21.7% WW 18.9% | NJ 32.6% OK 24.7% SC 24.4% VA 26.6% WY 14.4% | NM 18.5% OR 13.8% SD 17.1% VT 14.2% 2 of 52 states & territories |
| ND 13.7% NV 30.1% PA 28.0% TN 31.2% WA 43.5% | NE 22.9% NY 28.1% PR 31.4% TX 31.8% WI 22.4% | NH 19.1% OH 18.2% RI 12.1% UT 21.7% WW 18.9% | NJ 32.6% OK 24.7% SC 24.4% VA 26.6% WY 14.4% | NM 18.5% OR 13.8% SD 17.1% VT 14.2% 2 of 52 states & territories in two-week downtrends |
| ND 13.7% NV 30.1% PA 28.0% TN 31.2% WA 43.5% | NE 22.9% NY 28.1% PR 31.4% TX 31.8% WI 22.4% | NH 19.1% OH 18.2% RI 12.1% UT 21.7% WW 18.9% | NJ 32.6% OK 24.7% SC 24.4% VA 26.6% WY 14.4% | NM 18.5% OR 13.8% SD 17.1% VT 14.2% Z of 52 states & territories in two-week downtrends |
| ND 13.7% | NE 22.9% NY 28.1% PR 31.4% TX 31.8% WI 22.4% | NH 19.1% OH 18.2% RI 12.1% UT 21.7% WW 18.9% | NJ 32.6% OK 24.7% SC 24.4% VA 26.6% WY 14.4% | NM 18.5% OR 13.8% SD 17.1% VT 14.2% 2 of 52 states & territories in two-week downtrends |
| ND 13.7% | NE 22.9% NY 28.1% PR 31.4% TX 31.8% WI 22.4% | NH 19.1% OH 18.2% RI 12.1% UT 21.7% WW 18.9% | NJ 32.6% OK 24.7% SC 24.4% VA 26.6% WY 14.4% | NM 18.5% OR 13.8% SD 17.1% VT 14.2% 2 of 52 states & territories in two-week downtrends |

Source: <u>Covid Act Now</u>, TrendMacro calculations

From Ground Zero to the Rio Grande

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







9,000 3.0% South Korea 8,000 As of Jan 5 653,792 cases cumulative 2.5% 126.11 bp of population infected +4,123 cases today 7,000 1.14 bp of population fatalities 2-week fatality rate 0.93% . මු6,000 2.0% 41.8 median population age pue 5,000 Cume fatality rate 0.90% 1.5% aily new case of the case of t 31.4% total population immunized 5,887 deaths cumulativ 1.0% +49 deaths today 2,000 0.5% 1,000 0.0% Feb 19 Apr 9 0ct 26 Dec 15 Oct 11 Dec 31 May 29 Jul 18 Sep 6 Feb 3 Mar 25 May 14 Jul 3 Aug 22 Nov 30 4,500 0.6% Singapore 4,000 0.5% 495.13 bp of population infected 3,500 2-week fatality rate 0.30% 0.18 bp of population fatalities Daily new cases and deaths 3,000 0.4% 34.6 median population age Cume fatality rate 0.30% 49.9% Omicron variant share 2,500 87 0% total population immunized 0.3% 282,401 cases cumulative 2,000 +805 cases today rate 0.2% 1,500 834 deaths cumulative +2 deaths today 1,000 0.1% 500 0.0% Dec 31 Feb 19 Apr9 May 29 Jul 18 Sep 6 Oct 26 Dec 15 Feb 3 Mar 25 Jul 3 Aug 22 Oct 11 Nov 30 May 14 20,000 14% 18,000 Sweden 1,375,267 cases cumulative 12% +17,514 cases today 1358 69 bp of population infected 16,000 15.18 bp of population fatalities Cume fatality rate 1.12% sta 4,000 2,000 10% 40.9 median population age 2-week fatality rate 0.24% 35.0% Omicron variant share 8% 15,369 deaths cumulative 8,000 8,000 8,000 73.0% total population immunized +39 deaths today 6% .<u>}</u>€,000 4% 4,000 2%

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

Source: Johns Hopkins, TrendMacro calculations

May 29

Jul 18

Apr9

2,000

Dec 31 Feb 19

Dec 15

Feb 3

Mar 25

May 14

Jul 3

Sep 6 Oct 26

0%

Aug 22

Oct 11 Nov 30

Impact in the BRICs ex-China Cases: 7-day

Cases: 7-day average and daily Deaths: Daily



Impact in the Middle East and Africa Cases: 7-day average and daily Deaths: Daily 20,000 2% 18,000 Israel 2% As of Jan 5 16,000 1608 54 bp of population infected 1,429,030 cases cumulative 1% I 14,000 12,000 12,000 8,000 8,000 9.29 bp of population fatalities +17,232 cases today 1% 30.2 median population age 53.8% Omicron variant share Cume fatality rate 0.58% 1% 64.0% total population immunized 1% 1% 8,253 deaths cumulative 0% 4,000 +6 deaths today 0% 2,000 0% Dec 31 Feb 19 May 29 Oct 26 Dec 15 Jul 3 Apr9 Jul 18 Sep 6 Feb 3 Mar 25 May 14 Aug 22 Oct 11 Nov 30 60,000 10% Iran 9% Cume fatality rate 2.12% 50,000 708.48 bp of population infected 8% 15.05 bp of population fatalities Daily new cases and deaths 7% 2-week fatality rate 1.71% 40,000 30.3 median population age Case 6% 6,201,467 cases cumulative fatality 61.1% total population immunized 30,000 5% +1,171 cases today rate 4% 131,778 deaths cumulative 20,000 +42 deaths today 3% 2% 10.000 1% 0% May 29 Dec 31 Feb 19 Apr 9 Jul 18 Sep 6 Oct 26 Dec 15 Aug 22 Oct 11 Nov 30 Feb 3 Mar 25 May 14 Jul 3 70,000 5% 11,070,109 cases cumulative Africa (52 nations) 4% 60,000 +58,132 cases today 80.39 bp of population infected 4% Cume fatality rate 2.29% Baily new cases and deaths and a 40,000 30,000 20,000 1.84 bp of population fatalities 19.7 median population age 3% 2-week fatality rate 0.68% Jase fatality rate 253,609 deaths cumulative 9.5% total population immunized +337 deaths today 2% 2% 1% 10,000 1% 0% Apr9 Dec 31 Feb 19 May 29 Jul 18 Sep 6 0ct 26 Dec 15 Feb 3 Mar 25 Jul 3 Aug 22 Oct 11 Nov 30 May 14 Source: Johns Hopkins, TrendMacro calculations



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