

COVID Tabulations: State Testing Rates, Daily New Cases, and Top 25 County Hot Spots

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The Menges Group

Strategic Health Policy & Care Coordination Consulting

Introduction and Overview

- This edition quantifies the distribution of US counties by new confirmed COVID-19 cases May 6 – 13 versus May 13 – 20 and the top 25 county hot spots in terms of cases per capita as of May 20.
 - 52.6% of the US population lives in a county where the number of cases has increased this past week.
- We have also tabulated state-level cumulative case and death counts and testing rates.
 - Less than 4% of the entire US population has been tested for COVID-19 as of May 20.
 - Rhode Island has issued the highest number of tests per capita (11.4% of the population have been tested), followed by North Dakota (7.8%) and New York (7.7%). Of the continental US, Idaho has the lowest percentage of its population tested (2.2%).
 - While 9,601 new deaths occurred during the week of May 13 – 20, this figure is well below the prior week's total (when 14,847 new deaths occurred).

Distribution of US Counties by New Confirmed Cases May 6 – 13 versus May 13 - 20

- 52.6% of the US population lives in a county that reported a higher number of new cases this past week (May 13 – 20) than the previous week (May 6 – 13).
- 47.1% of the US population lives in a county where cases either decreased or remained the same between these two weeks.
 - These 1,689 counties represent 60.7% of all confirmed cases and 66.3% of all deaths in the United States.
- 7.7% of all US counties have reported zero confirmed cases as of May 20. These counties are home to only 0.3% of the US population. Conversely, 99.7% of the US population lives in a county that has reported at least one confirmed case of COVID-19.

| | Counties with No Confirmed Cases Through May 20 | Counties with More New Cases May 6 - 13 than May 13 - 20 | Counties with More New Cases May 13 - 20 than May 6 - 13 | Counties with the Same Number of New Cases May 6 - 13 and May 13 - 20 |
|----------------------------------|---|--|--|---|
| Number of Counties | 245 | 1,136 | 1,266 | 553 |
| % of All Counties | 7.7% | 35.5% | 39.6% | 17.3% |
| % Total US Population | 0.3% | 43.3% | 52.6% | 3.8% |
| % Cumulative Cases as of May 20 | 0.0% | 59.9% | 39.3% | 0.8% |
| % Cumulative Deaths as of May 20 | 0.0% | 65.7% | 33.7% | 0.6% |

Top 25 County Hot-Spots in Terms of Cases Per 100,000 Population, as of May 20

- Trousdale County in Tennessee has the nation's highest rate of confirmed cases per capita by a wide margin – 12.3% of the county's population has tested positive for the coronavirus.
- Three of these top 25 counties are new to the list this week:
 - Texas County, OK had an outbreak at a food processing plant.
 - McKinley County, NM has seen an outbreak on a Navajo reservation.
 - Moore County, TX had an outbreak in a meat packing plant.
- Five of the top 25 counties, all of which are in New Jersey or New York, have populations well over 100,000 people.

| Rank | State | County | Population | Confirmed Cases per 100,000 Population, as of May 20 | New Confirmed Cases from May 6 - 13 | New Confirmed Cases from May 13 - 20 | Percent Change in New Confirmed Cases, May 6 - 13 versus May 13 - 20 | Cumulative Deaths through May 20 | Percentage Increase in Deaths as of May 20 versus May 13 |
|------|------------|-------------|------------|--|-------------------------------------|--------------------------------------|--|----------------------------------|--|
| 1 | Tennessee | Trousdale | 11,284 | 12,265 | 26 | 3 | -88% | 4 | 33% |
| 2 | Nebraska | Dakota | 20,026 | 7,870 | 439 | 123 | -72% | 17 | 143% |
| 3 | Arkansas | Lincoln | 13,024 | 7,417 | 59 | 24 | -59% | 8 | 14% |
| 4 | Minnesota | Nobles | 21,629 | 6,454 | 209 | 105 | -50% | 2 | 0% |
| 5 | Tennessee | Lake | 7,016 | 5,744 | 241 | 103 | -57% | - | - |
| 6 | Nebraska | Colfax | 10,709 | 5,220 | 154 | 113 | -27% | 2 | 100% |
| 7 | Kansas | Ford | 33,619 | 4,283 | 353 | 207 | -41% | 2 | 0% |
| 8 | Indiana | Cass | 37,689 | 4,155 | 102 | 20 | -80% | 7 | 40% |
| 9 | Tennessee | Bledsoe | 15,064 | 4,029 | 2 | 4 | 100% | 1 | 0% |
| 10 | Oklahoma | Texas | 19,983 | 3,958 | 200 | 317 | 59% | 4 | 0% |
| 11 | New York | Rockland | 325,789 | 3,938 | 339 | 288 | -15% | 447 | 4% |
| 12 | Ohio | Marion | 65,093 | 3,902 | 72 | 121 | 68% | 18 | 20% |
| 13 | Kansas | Finney | 36,467 | 3,738 | 401 | 332 | -17% | 6 | 50% |
| 14 | Kansas | Seward | 21,428 | 3,729 | 106 | 67 | -37% | 1 | 0% |
| 15 | Ohio | Pickaway | 58,457 | 3,471 | 122 | 71 | -42% | 32 | 28% |
| 16 | Nebraska | Dawson | 23,595 | 3,441 | 77 | 59 | -23% | 7 | 133% |
| 17 | New York | Westchester | 967,506 | 3,361 | 1,184 | 906 | -23% | 1,430 | 5% |
| 18 | Nebraska | Saline | 14,224 | 3,150 | 107 | 56 | -48% | 1 | 0% |
| 19 | New York | Bronx | 1,418,207 | 3,082 | 2,344 | 1,491 | -36% | 4,326 | 4% |
| 20 | New Jersey | Passaic | 501,826 | 3,074 | 786 | 669 | -15% | 855 | 9% |
| 21 | Iowa | Louisa | 11,035 | 2,927 | 10 | 34 | 240% | 6 | 100% |
| 22 | Virginia | Richmond | 9,023 | 2,915 | 57 | 63 | 11% | 4 | 33% |
| 23 | New York | Nassau | 1,356,924 | 2,901 | 1,237 | 781 | -37% | 2,550 | 3% |
| 24 | New Mexico | McKinley | 71,367 | 2,815 | 344 | 328 | -5% | 82 | 44% |
| 25 | Texas | Moore | 20,940 | 2,765 | 78 | 53 | -32% | 12 | 33% |



State Table 1 of 3: Alabama through Maine

| State | Cumulative Confirmed Cases, as of May 20 | Cumulative Confirmed Cases per 100,000 Population, as of May 20 | State Rank, Confirmed Cases per Capita, as of May 20 | New Confirmed Cases, May 6 - 13 | New Confirmed Cases May 13 - 20 | Percent Change in New Confirmed Cases, May 13 - 20 versus May 6 - 13 | Total Number of Tests, as of May 20 | Percentage of Population Tested, as of May 20 | Positive Tests as Percentage of Total Tests | Cumulative COVID-19 Deaths, as of May 20 | COVID-19 Deaths per 100,000 Population, as of May 20 | State Rank, COVID-19 Deaths per capita, as of May 20 | Deaths as a Percentage of Confirmed Cases, as of May 20 |
|----------------------|--|---|--|---------------------------------|---------------------------------|--|-------------------------------------|---|---|--|--|--|---|
| Alabama | 13,052 | 266 | 27 | 2,009 | 2,352 | 17% | 164,450 | 3.4% | 8% | 522 | 10.6 | 25 | 4% |
| Alaska | 401 | 55 | 49 | 13 | 18 | 38% | 37,045 | 5.1% | 1% | 8 | 1.1 | 51 | 2% |
| Arizona | 14,897 | 205 | 35 | 2,469 | 2,721 | 10% | 165,435 | 2.3% | 9% | 747 | 10.3 | 26 | 5% |
| Arkansas | 5,003 | 166 | 41 | 625 | 767 | 23% | 96,258 | 3.2% | 5% | 107 | 3.5 | 45 | 2% |
| California | 86,125 | 218 | 34 | 12,431 | 12,907 | 4% | 1,380,120 | 3.5% | 6% | 3,514 | 8.9 | 29 | 4% |
| Colorado | 22,769 | 395 | 18 | 2,722 | 2,327 | -15% | 131,837 | 2.3% | 17% | 1,299 | 22.6 | 14 | 6% |
| Connecticut | 39,017 | 1,094 | 5 | 3,860 | 4,162 | 8% | 190,718 | 5.3% | 20% | 3,529 | 99.0 | 3 | 9% |
| Delaware | 8,194 | 841 | 7 | 1,174 | 1,242 | 6% | 45,412 | 4.7% | 18% | 310 | 31.8 | 12 | 4% |
| District of Columbia | 7,551 | 1,070 | 6 | 1,123 | 967 | -14% | 40,419 | 5.7% | 19% | 407 | 57.7 | 5 | 5% |
| Florida | 47,463 | 221 | 33 | 4,400 | 5,069 | 15% | 771,348 | 3.6% | 6% | 2,095 | 9.8 | 27 | 4% |
| Georgia | 38,162 | 359 | 20 | 4,142 | 4,296 | 4% | 402,940 | 3.8% | 10% | 1,672 | 15.7 | 16 | 4% |
| Hawaii | 633 | 45 | 51 | 11 | 6 | -45% | 46,304 | 3.3% | 1% | 17 | 1.2 | 50 | 3% |
| Idaho | 2,506 | 140 | 43 | 167 | 181 | 8% | 38,567 | 2.2% | 6% | 77 | 4.3 | 43 | 3% |
| Illinois | 100,713 | 795 | 8 | 16,710 | 15,839 | -5% | 642,713 | 5.1% | 16% | 4,547 | 35.9 | 10 | 5% |
| Indiana | 29,986 | 445 | 16 | 3,758 | 3,942 | 5% | 195,738 | 2.9% | 15% | 1,864 | 27.7 | 13 | 6% |
| Iowa | 15,870 | 503 | 14 | 2,885 | 2,581 | -11% | 110,748 | 3.5% | 14% | 400 | 12.7 | 22 | 3% |
| Kansas | 8,661 | 297 | 23 | 1,659 | 1,109 | -33% | 71,203 | 2.4% | 12% | 197 | 6.8 | 37 | 2% |
| Kentucky | 8,336 | 187 | 37 | 1,156 | 1,234 | 7% | 153,986 | 3.4% | 5% | 381 | 8.5 | 31 | 5% |
| Louisiana | 35,367 | 761 | 9 | 2,263 | 2,705 | 20% | 285,970 | 6.2% | 12% | 2,608 | 56.1 | 6 | 7% |
| Maine | 1,819 | 135 | 46 | 261 | 304 | 16% | 37,269 | 2.8% | 5% | 73 | 5.4 | 39 | 4% |

Yellow highlighting denotes the ten states with the highest per capita rates of cases and deaths.



State Table 2 of 3: Maryland through Rhode Island

| State | Cumulative Confirmed Cases, as of May 20 | Cumulative Confirmed Cases per 100,000 Population, as of May 20 | State Rank, Confirmed Cases per Capita, as of May 20 | New Confirmed Cases, May 6 - 13 | New Confirmed Cases May 13 - 20 | Percent Change in New Confirmed Cases, May 13 - 20 versus May 6 - 13 | Total Number of Tests, as of May 20 | Percentage of Population Tested, as of May 20 | Positive Tests as Percentage of Total Tests | Cumulative COVID-19 Deaths, as of May 20 | COVID-19 Deaths per 100,000 Population, as of May 20 | State Rank, COVID-19 Deaths per capita, as of May 20 | Deaths as a Percentage of Confirmed Cases, as of May 20 |
|----------------|--|---|--|---------------------------------|---------------------------------|--|-------------------------------------|---|---|--|--|--|---|
| Maryland | 42,442 | 702 | 10 | 6,664 | 7,515 | 13% | 215,330 | 3.6% | 20% | 2,123 | 35.1 | 11 | 5% |
| Massachusetts | 88,970 | 1,291 | 3 | 8,472 | 8,473 | 0% | 489,953 | 7.1% | 18% | 6,066 | 88.0 | 4 | 7% |
| Michigan | 52,988 | 531 | 13 | 3,259 | 4,681 | 44% | 437,072 | 4.4% | 12% | 5,060 | 50.7 | 8 | 10% |
| Minnesota | 17,679 | 313 | 21 | 4,337 | 4,763 | 10% | 167,338 | 3.0% | 11% | 786 | 13.9 | 19 | 4% |
| Mississippi | 11,967 | 402 | 17 | 1,666 | 1,877 | 13% | 120,680 | 4.1% | 10% | 570 | 19.2 | 15 | 5% |
| Missouri | 11,510 | 174 | 40 | 1,205 | 1,141 | -5% | 161,984 | 2.4% | 7% | 645 | 9.7 | 28 | 6% |
| Montana | 478 | 45 | 50 | 6 | 16 | 167% | 29,726 | 2.8% | 2% | 16 | 1.5 | 49 | 3% |
| Nebraska | 11,122 | 575 | 11 | 2,301 | 2,050 | -11% | 72,135 | 3.7% | 15% | 141 | 7.3 | 35 | 1% |
| Nevada | 7,301 | 237 | 31 | 738 | 819 | 11% | 91,171 | 3.0% | 8% | 378 | 12.3 | 24 | 5% |
| New Hampshire | 3,868 | 284 | 24 | 558 | 569 | 2% | 50,888 | 3.7% | 7% | 190 | 14.0 | 18 | 5% |
| New Jersey | 150,399 | 1,693 | 2 | 9,670 | 8,839 | -9% | 531,343 | 6.0% | 28% | 10,747 | 121.0 | 2 | 7% |
| New Mexico | 6,338 | 302 | 22 | 1,074 | 974 | -9% | 142,246 | 6.8% | 4% | 283 | 13.5 | 21 | 4% |
| New York | 352,683 | 1,813 | 1 | 19,383 | 12,956 | -33% | 1,505,836 | 7.7% | 24% | 28,792 | 148.0 | 1 | 8% |
| North Carolina | 20,221 | 193 | 36 | 3,067 | 4,371 | 43% | 277,603 | 2.6% | 7% | 721 | 6.9 | 36 | 4% |
| North Dakota | 2,095 | 275 | 25 | 324 | 448 | 38% | 59,200 | 7.8% | 4% | 49 | 6.4 | 38 | 2% |
| Ohio | 29,437 | 252 | 29 | 4,151 | 3,710 | -11% | 289,528 | 2.5% | 10% | 1,781 | 15.2 | 17 | 6% |
| Oklahoma | 5,532 | 140 | 44 | 651 | 680 | 4% | 144,371 | 3.6% | 4% | 299 | 7.6 | 34 | 5% |
| Oregon | 3,801 | 90 | 47 | 552 | 333 | -40% | 102,149 | 2.4% | 4% | 144 | 3.4 | 46 | 4% |
| Pennsylvania | 68,151 | 532 | 12 | 7,205 | 5,957 | -17% | 349,700 | 2.7% | 18% | 4,794 | 37.4 | 9 | 7% |
| Rhode Island | 13,356 | 1,261 | 4 | 1,630 | 1,521 | -7% | 120,528 | 11.4% | 11% | 538 | 50.8 | 7 | 4% |

Yellow highlighting denotes the ten states with the highest per capita rates of cases and deaths.



State Table 3 of 3: South Carolina through Wyoming (including US Territories and Totals)

| State | Cumulative Confirmed Cases, as of May 20 | Cumulative Confirmed Cases per 100,000 Population, as of May 20 | State Rank, Confirmed Cases per Capita, as of May 20 | New Confirmed Cases, May 6 - 13 | New Confirmed Cases May 13 - 20 | Percent Change in New Confirmed Cases, May 13 - 20 versus May 6 - 13 | Total Number of Tests, as of May 20 | Percentage of Population Tested, as of May 20 | Positive Tests as Percentage of Total Tests | Cumulative COVID-19 Deaths, as of May 20 | COVID-19 Deaths per 100,000 Population, as of May 20 | State Rank, COVID-19 Deaths per capita, as of May 20 | Deaths as a Percentage of Confirmed Cases, as of May 20 |
|--------------------------------------|--|---|--|---------------------------------|---------------------------------|--|-------------------------------------|---|---|--|--|--|---|
| South Carolina | 9,175 | 178 | 39 | 1,094 | 1,145 | 5% | 135,063 | 2.6% | 7% | 407 | 7.9 | 33 | 4% |
| South Dakota | 4,177 | 472 | 15 | 953 | 445 | -53% | 30,389 | 3.4% | 14% | 46 | 5.2 | 40 | 1% |
| Tennessee | 18,534 | 271 | 26 | 2,524 | 2,273 | -10% | 354,013 | 5.2% | 5% | 309 | 4.5 | 42 | 2% |
| Texas | 52,183 | 180 | 38 | 8,381 | 8,361 | 0% | 770,241 | 2.7% | 7% | 1,438 | 5.0 | 41 | 3% |
| Utah | 7,717 | 241 | 30 | 1,019 | 1,093 | 7% | 179,664 | 5.6% | 4% | 90 | 2.8 | 47 | 1% |
| Vermont | 944 | 151 | 42 | 21 | 15 | -29% | 25,058 | 4.0% | 4% | 54 | 8.7 | 30 | 6% |
| Virginia | 32,908 | 386 | 19 | 6,490 | 6,162 | -5% | 212,626 | 2.5% | 15% | 1,074 | 12.6 | 23 | 3% |
| Washington | 20,179 | 265 | 28 | 1,891 | 1,575 | -17% | 293,120 | 3.8% | 6% | 1,045 | 13.7 | 20 | 5% |
| West Virginia | 1,567 | 87 | 48 | 128 | 162 | 27% | 80,641 | 4.5% | 2% | 69 | 3.9 | 44 | 4% |
| Wisconsin | 13,574 | 233 | 32 | 2,002 | 2,671 | 33% | 167,713 | 2.9% | 8% | 481 | 8.3 | 32 | 4% |
| Wyoming | 787 | 136 | 45 | 57 | 99 | 74% | 18,840 | 3.3% | 4% | 11 | 1.9 | 48 | 1% |
| 50 states + DC | 1,548,608 | 471 | | 165,311 | 160,423 | -3% | 12,634,629 | 3.8% | 12% | 93,521 | 28.4 | | 6% |
| Territories | | | | | | | | | | | | | |
| American Samoa | - | - | | - | - | - | 124 | 0.2% | - | - | - | | 0% |
| Guam | 1,123 | 667 | | 3 | 2 | -33% | 4,972 | 3.0% | 3% | 6 | 3.6 | | 1% |
| Northern Mariana Islands | 21 | 36 | | 4 | 2 | -50% | 3,817 | 6.6% | 1% | 2 | 3.5 | | 10% |
| Puerto Rico | 2,866 | 95 | | 361 | 537 | 49% | 2,866 | 0.1% | 100% | 125 | 4.1 | | 4% |
| Virgin Islands | 69 | 66 | | 3 | - | (1.00) | 1,383 | 1.3% | 0.05 | 6 | 5.7 | | 9% |
| Territories Subtotal | 4,079 | 119 | | 371 | 541 | 46% | 13,162 | 0.4% | 24% | 139 | 4.1 | | 3% |
| United States and Territories | 1,552,687 | 467 | | 165,682 | 160,964 | -3% | 12,647,791 | 3.8% | 12% | 93,660 | 28.2 | | 6% |

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State-Level Findings

- The average number of new cases per day decreased 3% this past week but remains very high. There were 22,995 average new cases per day May 13 – 20, as compared to 23,669 average new cases per day the previous week.
 - The number of new cases was **higher** this week than the previous week in 30 states, which are home to 54% of the total US population.
 - The 5 states with the sharpest **increase** in confirmed cases per day are Montana (167% increase, although there were only 16 new cases), Wyoming (74%), Michigan (44%), North Carolina (43%), and Alaska (38% although there were only 18 new cases).
 - The 5 states with the sharpest **decrease** in confirmed cases are South Dakota (53% decrease), Hawaii (45%), Oregon (40%), New York (33%), and Kansas (33%).
- As of May 20, 12.6 million COVID tests have been administered, indicating that only 3.8% of the US population has been tested. Among those tested, 12% have tested positive.
- 9,601 new deaths were attributed to COVID during the week of May 13-20, bringing the national total to 93,660 as of May 20. It is encouraging that 5,241 fewer new deaths occurred this week than the previous week. Total deaths to date in the US represent 6% of confirmed cases.

5 Slide Series Overview

Our 5 Slide Series is a monthly publication whereby we briefly discuss/address a selected topic outside the confines of our client engagements. The Menges Group has a variety of datasets that we use to support our 5 Slide Series and client projects.

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