

COVID Tabulations: New COVID Test, Case, and Death Dynamics, August 1 – 15 versus September 1 – 15

5 Slide Series, Volume 88-c
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The Menges Group

Strategic Health Policy & Care Coordination Consulting

Introduction and Overview

- This edition of our 5 Slide Series tabulates new tests, cases, and deaths per 100,000 population at a state level to examine how the COVID-19 pandemic has shifted September 1 – 15 versus August 1 – 15.
- Nationwide trends have mostly moved in a favorable direction again – during the first half of September relative to the first half of August, confirmed cases decreased 28%, deaths decreased 22%, and positive tests decreased from 7.1% to 5.2% (as a percentage of all new tests). However, many states' statistics have trended in an adverse direction.
 - 32 states and Washington DC reported a *decrease* in new tests administered September 1 – 15 versus August 1 – 15.
 - 22 states reported an *increase* in new confirmed cases September 1 – 15 versus August 1 – 15. Both North and South Dakota more than doubled their reported new confirmed cases September 1 – 15 versus August 1 - 15.
 - 23 states reported an *increase* in new deaths September 1 – 15 versus August 1 – 15.

New Tests, Cases, and Deaths per 100,000 Population, August 1 – 15 versus September 1 – 15, (Alabama through Kansas)

| State | New Tests Per 100,000 Population, August 1-15 | New Tests Per 100,000 Population, September 1-15 | New Cases Per 100,000 Population, August 1 - 15 | New Cases Per 100,000 Population, September 1-15 | New Deaths Per 100,000 Population, August 1-15 | New Deaths Per 100,000 Population, September 1-15 |
|----------------------|---|--|---|--|--|---|
| Alabama | 3,009 | 972 | 405 | 288 | 6.4 | 4.2 |
| Alaska | 8,690 | 7,996 | 175 | 161 | 0.7 | 1.0 |
| Arizona | 1,971 | 1,482 | 255 | 101 | 11.0 | 4.3 |
| Arkansas | 2,810 | 4,808 | 314 | 340 | 4.9 | 11.7 |
| California | 4,733 | 3,935 | 303 | 145 | 5.1 | 4.0 |
| Colorado | 2,952 | 2,290 | 103 | 83 | 1.0 | 0.9 |
| Connecticut | 4,030 | 6,105 | 30 | 60 | 0.6 | 0.6 |
| Delaware | 2,846 | 2,805 | 165 | 175 | 0.8 | 1.3 |
| District of Columbia | 7,152 | 6,461 | 146 | 98 | 1.7 | 1.3 |
| Florida | 2,676 | 1,645 | 462 | 211 | 11.6 | 7.4 |
| Georgia | 3,893 | 2,689 | 443 | 246 | 8.4 | 7.1 |
| Hawaii | 2,465 | 4,604 | 192 | 177 | 1.0 | 2.1 |
| Idaho | 2,345 | 1,352 | 379 | 227 | 4.3 | 3.4 |
| Illinois | 4,974 | 5,895 | 204 | 234 | 2.0 | 2.6 |
| Indiana | 2,232 | 2,641 | 204 | 196 | 2.4 | 2.4 |
| Iowa | 2,271 | 2,179 | 232 | 332 | 3.3 | 3.6 |
| Kansas | 1,735 | 1,549 | 212 | 261 | 1.6 | 3.6 |



Salmon highlighting indicates the ten highest states for each measure.

New Tests, Cases, and Deaths per 100,000 Population, August 1 – 15 versus September 1 – 15, (Kentucky through North Carolina)

| State | New Tests Per 100,000 Population, August 1-15 | New Tests Per 100,000 Population, September 1-15 | New Cases Per 100,000 Population, August 1 - 15 | New Cases Per 100,000 Population, September 1-15 | New Deaths Per 100,000 Population, August 1-15 | New Deaths Per 100,000 Population, September 1-15 |
|----------------|---|--|---|--|--|---|
| Kentucky | 2,779 | 4,144 | 217 | 248 | 1.7 | 3.3 |
| Louisiana | 6,341 | 4,699 | 440 | 223 | 10.3 | 7.1 |
| Maine | 2,990 | 5,472 | 17 | 29 | 0.3 | 0.4 |
| Maryland | 3,580 | 2,348 | 187 | 149 | 2.4 | 1.6 |
| Massachusetts | 4,118 | 9,741 | 81 | 71 | 3.1 | 2.4 |
| Michigan | 4,479 | 4,237 | 111 | 118 | 1.3 | 1.8 |
| Minnesota | 2,662 | 2,125 | 177 | 168 | 1.9 | 2.0 |
| Mississippi | 2,193 | 1,762 | 437 | 254 | 14.0 | 8.8 |
| Missouri | 2,422 | 2,815 | 264 | 339 | 2.0 | 3.3 |
| Montana | 2,897 | 3,661 | 158 | 172 | 2.1 | 3.5 |
| Nebraska | 2,416 | 2,343 | 208 | 242 | 1.3 | 2.5 |
| Nevada | 2,368 | 1,578 | 406 | 156 | 7.8 | 5.8 |
| New Hampshire | 1,844 | 1,584 | 29 | 35 | 0.6 | 0.4 |
| New Jersey | 4,110 | 3,990 | 65 | 61 | 1.0 | 1.1 |
| New Mexico | 5,122 | 3,323 | 129 | 75 | 3.3 | 2.4 |
| New York | 5,661 | 6,129 | 50 | 54 | 0.7 | 0.6 |
| North Carolina | 1,395 | 3,778 | 206 | 186 | 4.0 | 3.8 |

Case data for Massachusetts (Aug 31 and Sept 1) and death data for New York (July 31 – Aug 5) had to be adjusted slightly to account for changes in reporting requirements over these timeframes that resulted in a negative number of new cases or deaths in these states.



Salmon highlighting indicates the ten highest states for each measure.

New Tests, Cases, and Deaths per 100,000 Population, August 1 – 15 versus September 1 – 15, (North Dakota through Wyoming, including US Total)

| State | New Tests Per 100,000 Population, August 1-15 | New Tests Per 100,000 Population, September 1-15 | New Cases Per 100,000 Population, August 1 - 15 | New Cases Per 100,000 Population, September 1-15 | New Deaths Per 100,000 Population, August 1-15 | New Deaths Per 100,000 Population, September 1-15 |
|------------------|---|--|---|--|--|---|
| North Dakota | 10,276 | 9,581 | 259 | 557 | 2.4 | 3.7 |
| Ohio | 2,857 | 3,554 | 141 | 140 | 2.9 | 3.1 |
| Oklahoma | 3,256 | 3,822 | 287 | 318 | 2.9 | 2.8 |
| Oregon | 1,913 | 1,442 | 107 | 70 | 1.5 | 1.2 |
| Pennsylvania | 1,772 | 1,432 | 92 | 96 | 2.1 | 1.6 |
| Rhode Island | 5,776 | 11,153 | 124 | 123 | 1.3 | 2.8 |
| South Carolina | 3,255 | 2,431 | 328 | 281 | 10.6 | 7.3 |
| South Dakota | 1,788 | 2,212 | 153 | 394 | 2.5 | 1.9 |
| Tennessee | 4,632 | 4,604 | 375 | 303 | 4.2 | 5.5 |
| Texas | 2,248 | 986 | 387 | 211 | 10.7 | 6.2 |
| Utah | 2,058 | 2,051 | 192 | 214 | 1.7 | 0.8 |
| Vermont | 2,553 | 2,543 | 15 | 13 | 0.2 | - |
| Virginia | 2,654 | 2,405 | 186 | 175 | 2.4 | 3.0 |
| Washington | 2,583 | 2,684 | 137 | 85 | 2.5 | 1.4 |
| West Virginia | 3,697 | 3,047 | 101 | 152 | 2.5 | 3.7 |
| Wisconsin | 3,187 | 2,199 | 215 | 279 | 1.8 | 1.7 |
| Wyoming | 1,164 | 2,328 | 87 | 103 | 0.7 | 1.6 |
| USA Total | 3,360 | 3,241 | 239 | 172 | 4.7 | 3.6 |



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State-Level Findings: New Tests, Cases, and Deaths per 100,000 Population

- North Dakota, Alaska, and DC administered the highest number of new COVID tests per 100,000 population during August 1 – 15 (10,276 new tests per 100,000 population, 8,690, and 7,152, respectively). During the first 15 days of September, Rhode Island, Massachusetts, and North Dakota reported the highest number of new tests per capita (11,153 new tests per 100,000 population, 9,741, and 9,581, respectively).
- 6 states (Florida, Georgia, Louisiana, Mississippi, Nevada, and Alabama) reported more than 400 new COVID cases per 100,000 population August 1 – 15. During September 1 – 15, only North Dakota reported more than 400 new cases per 100,000 population. North Dakota reported 557 new cases per capita, the largest of any state by far, during the two timeframes.
- Similarly, 6 states (Mississippi, Florida, Arizona, Texas, South Carolina, and Louisiana) reported 10 or more new deaths per 100,000 population from August 1 – 15. In the first 15 days of September, only Arkansas reported more than 10 new deaths per 100,000 residents.

Percent Change in New Tests, Cases, and Deaths, August 1 – 15 versus September 1 – 15 (Alabama through Kansas)

| State | Percent Change in New Tests, September 1-15 vs August 1-15 | Percent Change in New Cases, September 1-15 vs August 1-15 | Percent Change in New Deaths, September 1-15 vs August 1-15 | Positive Tests as Percent of New Tests, August 1-15 | Positive Tests as Percent of New Tests, September 1-15 |
|----------------------|--|--|---|---|--|
| Alabama | -68% | -29% | -35% | 13.5% | 29.6% |
| Alaska | -8% | -8% | 40% | 2.0% | 2.0% |
| Arizona | -25% | -60% | -61% | 13.0% | 6.8% |
| Arkansas | 71% | 8% | 140% | 11.2% | 7.0% |
| California | -17% | -52% | -21% | 6.4% | 3.6% |
| Colorado | -22% | -19% | -4% | 3.7% | 3.4% |
| Connecticut | 51% | 98% | -5% | 0.8% | 1.0% |
| Delaware | -1% | 6% | 63% | 5.8% | 6.3% |
| District of Columbia | -10% | -33% | -25% | 2.0% | 1.5% |
| Florida | -39% | -54% | -36% | 17.3% | 12.8% |
| Georgia | -31% | -44% | -16% | 11.8% | 9.2% |
| Hawaii | 87% | -8% | 114% | 7.3% | 3.7% |
| Idaho | -42% | -40% | -20% | 16.5% | 15.2% |
| Illinois | 19% | 15% | 29% | 4.1% | 4.0% |
| Indiana | 18% | -4% | 1% | 9.0% | 7.3% |
| Iowa | -4% | 43% | 11% | 10.1% | 14.5% |
| Kansas | -11% | 23% | 117% | 12.0% | 16.1% |

Salmon highlighting indicates the ten highest states for each measure.
Green highlighting indicates the ten lowest states for each measure.



Percent Change in New Tests, Cases, and Deaths, August 1 – 15 versus September 1 – 15 (Kentucky through North Carolina)

| State | Percent Change in New Tests, September 1-15 vs August 1-15 | Percent Change in New Cases, September 1-15 vs August 1-15 | Percent Change in New Deaths, September 1-15 vs August 1-15 | Positive Tests as Percent of New Tests, August 1-15 | Positive Tests as Percent of New Tests, September 1-15 |
|----------------|--|--|---|---|--|
| Kentucky | 49% | 15% | 93% | 7.1% | 5.2% |
| Louisiana | -26% | -49% | -32% | 6.9% | 4.7% |
| Maine | 83% | 69% | 25% | 0.6% | 0.5% |
| Maryland | -34% | -21% | -34% | 5.2% | 6.3% |
| Massachusetts | 137% | -12% | -24% | 1.9% | 0.7% |
| Michigan | -5% | 7% | 33% | 2.5% | 2.8% |
| Minnesota | -20% | -5% | 8% | 6.6% | 7.9% |
| Mississippi | -20% | -42% | -37% | 19.9% | 14.4% |
| Missouri | 16% | 28% | 60% | 10.8% | 12.0% |
| Montana | 26% | 9% | 68% | 5.5% | 4.7% |
| Nebraska | -3% | 16% | 96% | 9.0% | 10.1% |
| Nevada | -33% | -62% | -25% | 17.2% | 9.9% |
| New Hampshire | -14% | 19% | -25% | 1.7% | 2.2% |
| New Jersey | -3% | -5% | 8% | 1.6% | 1.5% |
| New Mexico | -35% | -42% | -26% | 2.6% | 2.2% |
| New York | 8% | 10% | -13% | 0.9% | 0.9% |
| North Carolina | 171% | -10% | -5% | 14.7% | 4.9% |

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Percent Change in New Tests, Cases, and Deaths, August 1 – 15 versus September 1 – 15 (North Dakota through Wyoming, including US Total)

| State | Percent Change in New Tests, September 1-15 vs August 1-15 | Percent Change in New Cases, September 1-15 vs August 1-15 | Percent Change in New Deaths, September 1-15 vs August 1-15 | Positive Tests as Percent of New Tests, August 1-15 | Positive Tests as Percent of New Tests, September 1-15 |
|------------------|--|--|---|---|--|
| North Dakota | -7% | 115% | 56% | 2.5% | 5.8% |
| Ohio | 24% | -1% | 10% | 4.9% | 3.9% |
| Oklahoma | 17% | 11% | -3% | 8.8% | 8.3% |
| Oregon | -25% | -35% | -19% | 5.6% | 4.8% |
| Pennsylvania | -19% | 4% | -23% | 5.2% | 6.7% |
| Rhode Island | 93% | -1% | 114% | 2.3% | 1.1% |
| South Carolina | -25% | -14% | -31% | 10.1% | 11.6% |
| South Dakota | 24% | 157% | -23% | 8.6% | 17.8% |
| Tennessee | -1% | -19% | 32% | 8.2% | 6.5% |
| Texas | -56% | -45% | -42% | 16.5% | 19.5% |
| Utah | 0% | 11% | -52% | 9.3% | 10.5% |
| Vermont | 0% | -18% | -100% | 0.6% | 0.5% |
| Virginia | -9% | -6% | 25% | 7.0% | 7.3% |
| Washington | 4% | -38% | -44% | 4.4% | 3.0% |
| West Virginia | -18% | 50% | 50% | 2.7% | 5.0% |
| Wisconsin | -31% | 30% | -6% | 6.8% | 12.8% |
| Wyoming | 100% | 19% | 125% | 7.4% | 4.4% |
| USA Total | -4% | -28% | -22% | 7.1% | 5.2% |

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Green highlighting indicates the ten lowest states for each measure.

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Favorable State-Level Findings: Percent Change in New Tests, Cases, and Deaths

- 18 states increased the number of new tests administered during the first 15 days of September relative to the first 15 days of August.
 - North Carolina, Massachusetts, and Wyoming each more than doubled their COVID testing during September 1 – 15 versus August 1 – 15.
- 28 states plus DC reported a decrease in new cases per 100,000 population, and 27 states plus DC reported a decrease in new deaths per 100,000 population during the first 15 days of September relative to the first 15 days of August.
 - Nevada, Arizona, Florida, and California reported a 50% decrease or more in new cases per 100,000 population September 1 – 15 versus August 1 – 15.
- Vermont, Maine, Massachusetts, New York, and Connecticut reported that 1 percent or less of all COVID tests administered during the first 15 days of September were positive.
 - North Carolina, Nevada, Arizona, and Mississippi reported a 5% decrease or more in the percentage of COVID tests that received a positive result during the first half of September versus the first half of August.

Concerning State-Level Findings: Percent Change in New Tests, Cases, and Deaths

- Alabama and Texas reported more than a 50% decrease (-67.7% and -56.1%, respectively) in new tests per 100,000 population in September 1 – 15 versus August 1 – 15.
- 5 states reported an increase of more than 50% in new cases per 100,000 population, and 12 states reported an increase of more than 50% in new deaths per 100,000 September 1 – 15 versus August 1 – 15.
- Alabama, Texas, South Dakota, Kansas, and Idaho each reported that more than 15% of all administered COVID tests were positive in the first 15 days of September.
 - Alabama reported the highest percentage positive at 29.6%, more than 10 percentage points above the next-highest state, and a 16 percentage point increase versus August 1 – 15.

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.

To be added to our list to receive these as they are published (or to be removed), please email us at pcall@themengesgroup.com.

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