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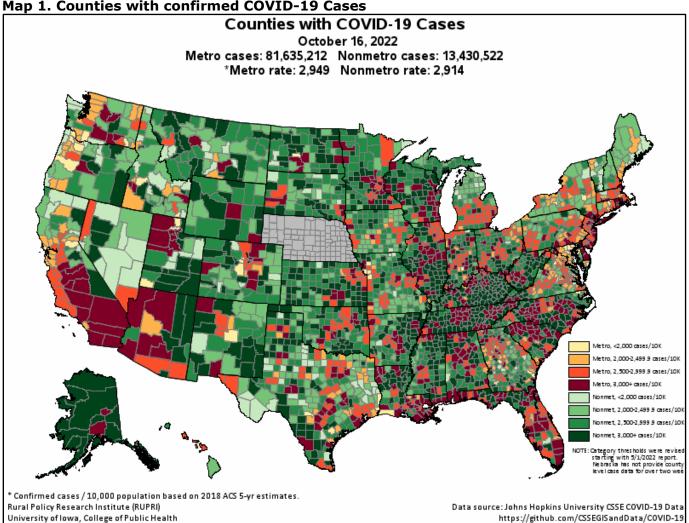
Confirmed COVID-19 Cases, Metropolitan and Nonmetropolitan

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Report

Early COVID-19 focus was on major metropolitan areas, but rural areas of the United States have also been hit hard by the pandemic. As of October 15, 2022, there were a total of 95,065,734 cases and 1,044,459 deaths identified in counties, with 13,430,522 cases and 189,850 deaths (about 14.1 percent of cases and 18.2 percent of deaths) reported in nonmetropolitan counties (data obtained from the Johns Hopkins University COVID-19 Data Repository*).

Map 1. Counties with confirmed COVID-19 Cases





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But as many experts have pointed out, the rate of growth in cases is very different depending on location. Further, the stress on the health care delivery system is proportionate – a small number of cases creates stress for low-capacity systems just as a large volume of cases creates stress for larger capacity systems.

Note that this document reports on <u>confirmed</u> COVID-19 cases and those numbers will be affected by the availability and utilization of testing resources. Recent and **updated maps**, and the "progression" of cases throughout the country, can be seen on the animated map on the RUPRI Health web site:

http://ruprihealth.org/publications/policybriefs/2020/COVID History/

Map 1 (above) displays the rates of confirmed COVID-19 cases in metropolitan and nonmetropolitan counties. Table 1 shows metropolitan and nonmetropolitan county confirmed case and death counts. It also depicts the rate of cases and deaths per 10,000 population (based on the 2018 American Community Survey 5-year estimates). Finally, it shows the number and proportion of metropolitan and nonmetropolitan counties exceeding various case and death rate levels. Map 2 displays the rates of COVID-19 deaths in metropolitan and nonmetropolitan counties.

Table 1. Metropolitan and Nonmetropolitan Counties. Confirmed cases, deaths, and rates

| - | Metropolitan | Nonmetropolitan |
|-----------------------------|--------------------|--------------------|
| Counties (total) | 1,166 | 1,976 |
| Population (2010 census) | 276,820,000 | 46,082,565 |
| Counties w/ confirmed cases | 1,165 (99.9%) | 1,972 (99.8%) |
| Counties w/ deaths | 1,165 (99.9%) | 1,960 (99.2%) |
| Confirmed cases | 81,635,212 (29.5%) | 13,430,522 (29.1%) |
| Deaths | 854,609 (0.3%) | 189,850 (0.4%) |
| Cases/10K population | 2,949 | 2,914 |
| Deaths/10K population | 30.87 | 41.20 |
| Counties w/ 1000+ cases/10K | 1,163 (99.7%) | 1,967 (99.5%) |
| Counties w/ 1500+ cases/10K | 1,157 (99.2%) | 1,937 (98.0%) |
| Counties w/ 2000+ cases/10K | 919 (78.8%) | 1,378 (69.7%) |
| Counties w/ 5+ deaths/10K | 1,165 (99.9%) | 1,951 (98.7%) |
| Counties w/ 10+ deaths/10K | 1,154 (99.0%) | 1,917 (97.0%) |
| Counties w/ 25+ deaths/10K | 867 (74.4%) | 1,676 (84.8%) |
| Counties w/ 50+ deaths/10K | 137 (11.7%) | 650 (32.9%) |

Data sources: COVID-19 case and death data from the <u>COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University</u>. Population data from the 2018 American Community Survey 5-yr estimates.

Additional changes were made to the report starting 4/26/2021 to better account for the Utah practice of providing aggregated incidence and mortality data for less populous counties.

All data in this brief are based on county-level counts to facilitate metropolitan/nonmetropolitan reporting. Cases and deaths that could not be attributed to a county are excluded. Nebraska has not provided county-level case counts in the last two weeks. Alaska, Florida, Nebraska, and North Dakota have not provided county-level mortality data in the last two weeks. This means that national figures are undercounts.

^{*}COVID-19 case and death data for this ongoing report were previously obtained from <u>USAFacts.org.</u> Reports after 8/15/2020 use data from the <u>COVID-19 Data Repository by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University</u>. Similarly, previous reports had used population data from the U.S. 2010 decennial Census. Current reports utilize data from the Census Bureau's 2018 American Community Survey 5-year population estimates.

