

RUPRI Center for Rural Health Policy Analysis

Rural Data Update

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<http://www.public-health.uiowa.edu/rupri/>

County-Level 14-Day COVID-19 Case Trajectories

Fred Ullrich, BA; and Keith Mueller, PhD

Background

This document updates maps and tables for the Rural Data Brief "County-Level 14-Day COVID-19 Case Trajectories" (https://ruprihealth.org/publications/policybriefs/2020/County_COVID_Trajectories.pdf). This data brief looks at the new case counts in every US county between June 6, 2021, and June 19, 2021, to quantitatively evaluate 14-day trends in metropolitan, nonmetropolitan, and noncore counties. Previous versions of this document can be found at: https://ruprihealth.org/publications/policybriefs/2020/COVID_Projects.html

Data on confirmed COVID-19 cases were obtained from the Johns Hopkins University COVID-19 Data Repository¹. The number of cases in each county was aggregated for each week in the two-week period, and the totals for each week were compared. To minimize the impact of counties with very minor real variation in weekly counts, those with a change in case count of two or fewer (either increase or decrease) were coded as "Same number, both weeks." Counties that saw more than a 25 percent increase or decrease in number of cases between the weeks were labelled "notable" (including counties that went from 3 or more to none [notable decrease] and counties that went from none to 3 or more [notable increase]). Counties in the 50 states and the District of Columbia were classified as metropolitan, nonmetropolitan, or noncore based on Urban Influence Codes².

Table 1. 14-day trends^a in newly confirmed COVID-19 cases, by county geography: 6/6/2021 – 6/19/2021

	Metropolitan (n = 1,166)	Nonmetropolitan (n = 641)	Noncore (n = 1,335)
No cases reported	25 (2.1%)	35 (5.5%)	236 (17.7%)
Decreasing, notable ^b	470 (40.3%)	233 (36.3%)	346 (25.9%)
Decreasing, not notable	153 (13.1%)	21 (3.3%)	13 (1.0%)
Same number, both weeks ^c	240 (20.6%)	193 (30.1%)	545 (40.8%)
Increasing, not notable	73 (6.3%)	13 (2.0%)	3 (0.2%)
Increasing, notable	205 (17.6%)	146 (22.8%)	192 (14.4%)

^aComparison of number of new cases in first week of 14-day period with new cases in second week.

^b"Notable" trends indicate weekly changes in new cases exceeding (either increasing or decreasing) 25 percent.

^cIncludes counties with an absolute change in count of two or fewer.



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RURAL POLICY RESEARCH INSTITUTE

Riverside Dr., Iowa City, IA 52242-2007, (319) 384-3830

<http://www.public-health.uiowa.edu/rupri>

E-mail: cph-rupri-inquiries@uiowa.edu

RUPRI Center for Rural Health Policy Analysis,
University of Iowa College of Public Health, Department of Health Management and Policy, 145

Table 2. 14-day trends^a in newly confirmed COVID-19 cases, in counties with any cases, by county geography: 6/6/2021 – 6/19/2021

	Metropolitan (n = 1,141 of 1,166)	Nonmetropolitan (n = 606 of 641)	Noncore (n = 1,099 of 1,335)
Any decrease	623 (54.6%)	254 (41.9%)	359 (32.7%)
Notable decrease ^b	470 (41.2%)	233 (38.4%)	346 (31.5%)
Same number, both weeks ^c	240 (21.0%)	193 (31.8%)	545 (49.6%)
Any increase	278 (24.4%)	159 (26.2%)	195 (17.7%)
Notable increase ^b	205 (18.0%)	146 (24.1%)	192 (17.5%)
Increase of 100% or more	78 (6.8%)	73 (12.0%)	138 (12.6%)

^aComparison of number of new cases in first week of 14-day period with new cases in second week.

^b“Notable” trends indicate weekly changes in new cases exceeding (either increasing or decreasing) 25 percent.

^cIncludes counties with an absolute change in count of two or fewer.

Figure 1.

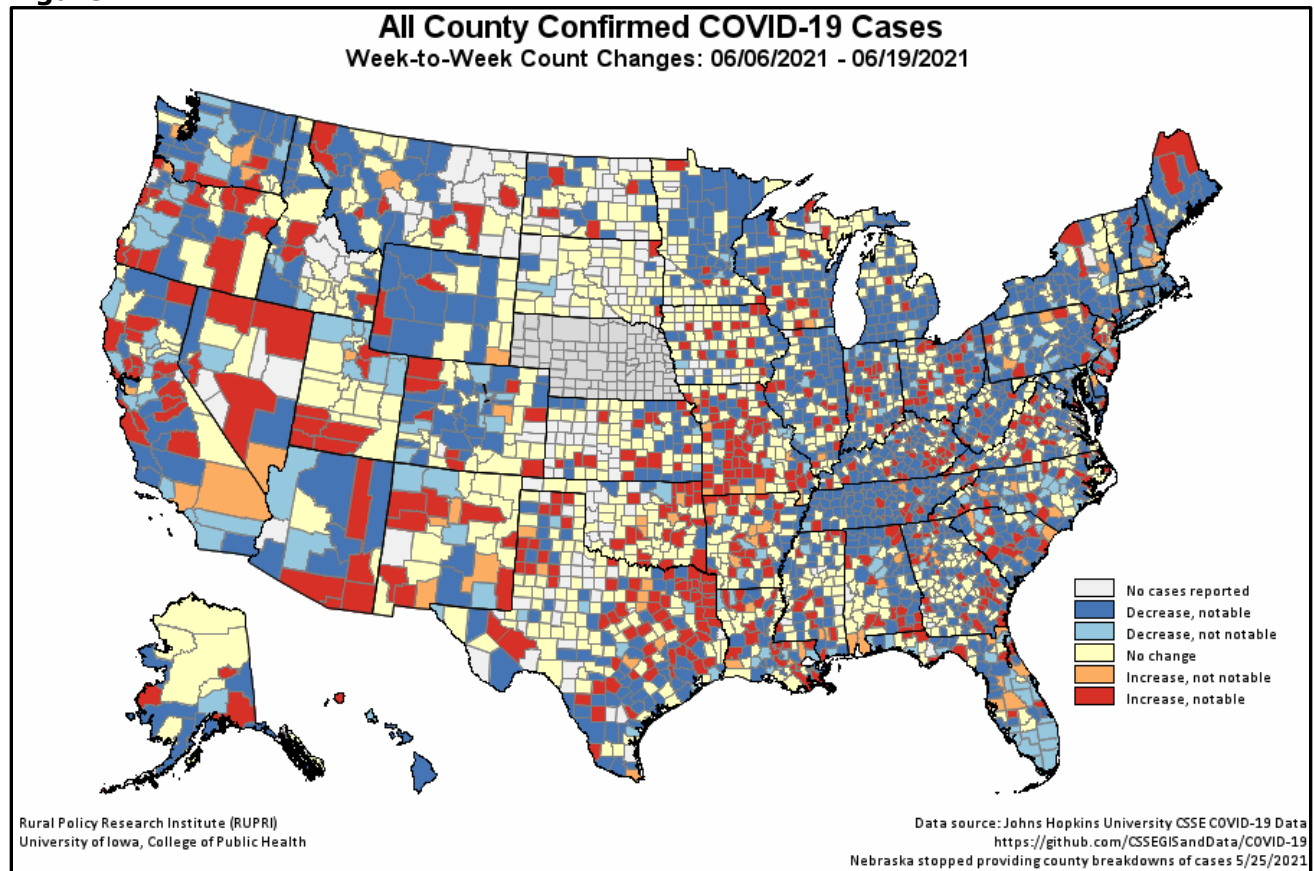


Figure 2.

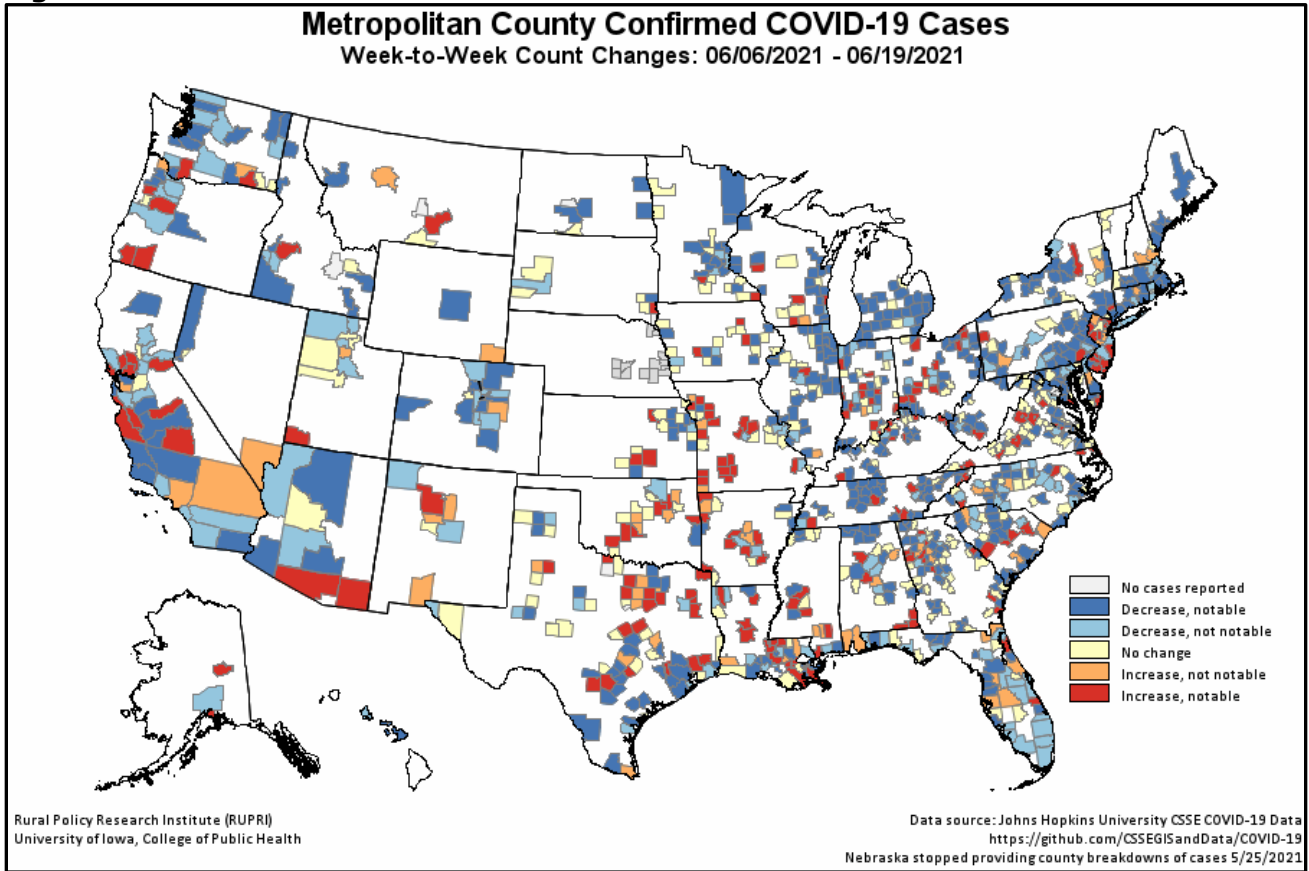


Figure 3.

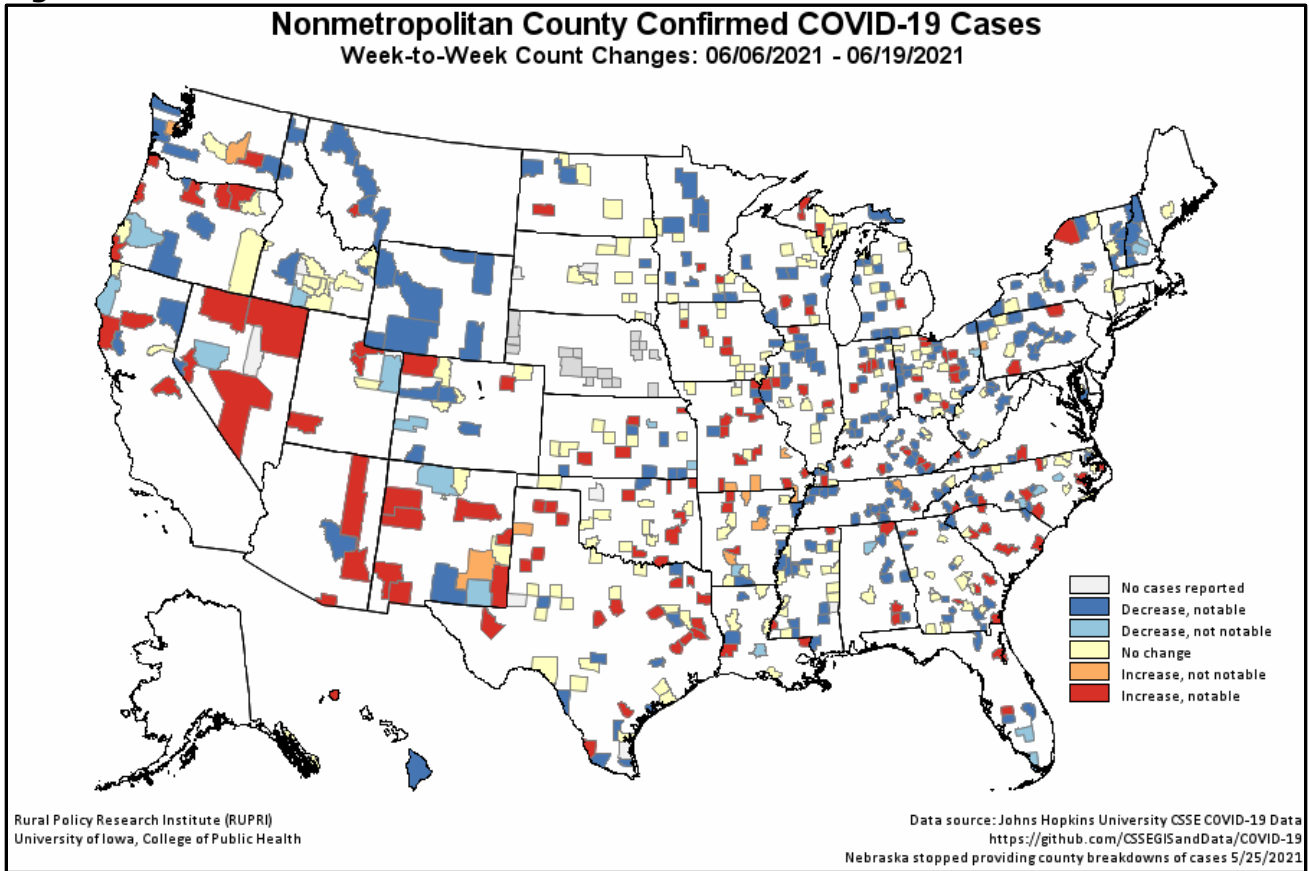
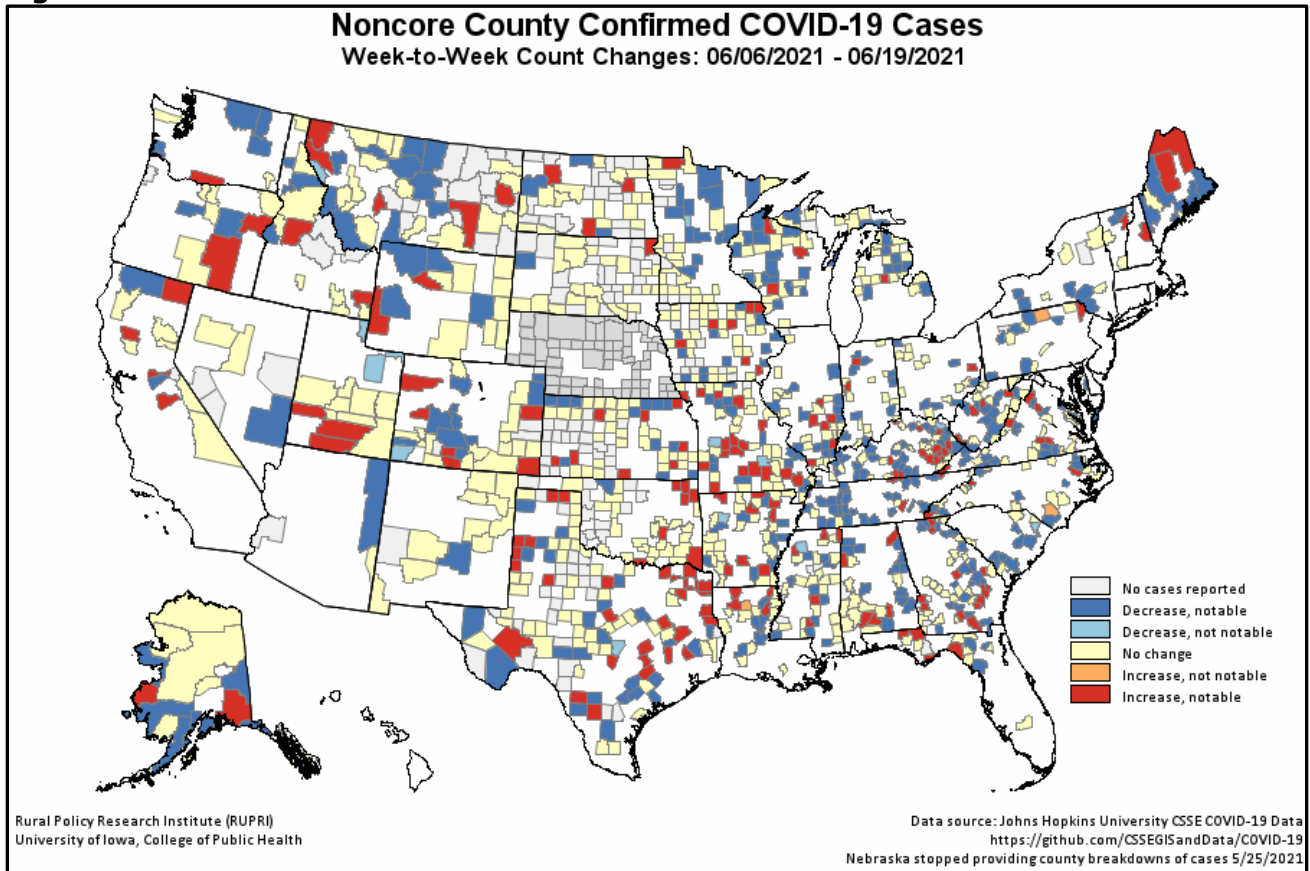


Figure 4.



¹ COVID-19 case and death data for this ongoing report were previously obtained from [USAFacts.org](https://usafacts.org). Reports after 8/15/2020 use data from the [COVID-19 Data Repository by the Center for Systems Science and Engineering \(CSSE\) at Johns Hopkins University](https://github.com/CSSEGISandData/COVID-19). While both sources employ similar approaches and resources to produce their data, the Johns Hopkins data is released in a more timely fashion making it more suitable for use in these reports.

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.

² U.S. Department of Agriculture, Economic Research Service (2019). "Urban Influence Codes." Retrieved May 20, 2020 from <https://www.ers.usda.gov/data-products/urban-influence-codes/>.