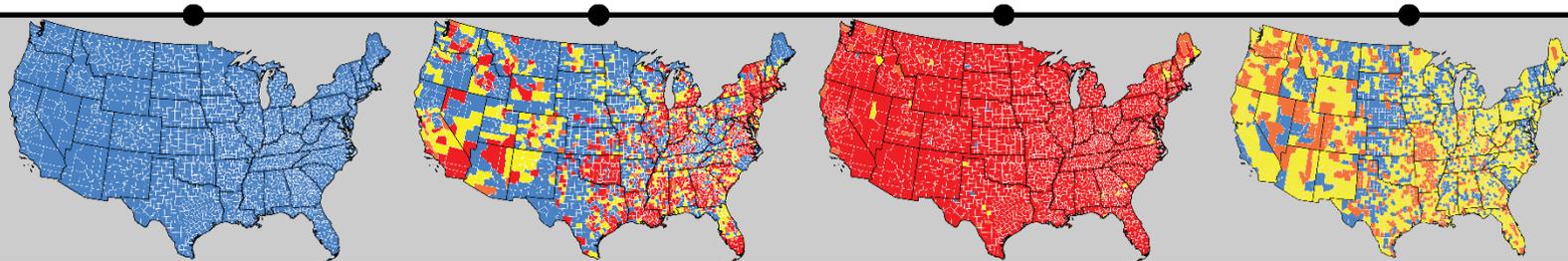


COVID-19 PANDEMIC 2020–2021

Levels of Community Transmission Over Time



How is the level of community transmission calculated?

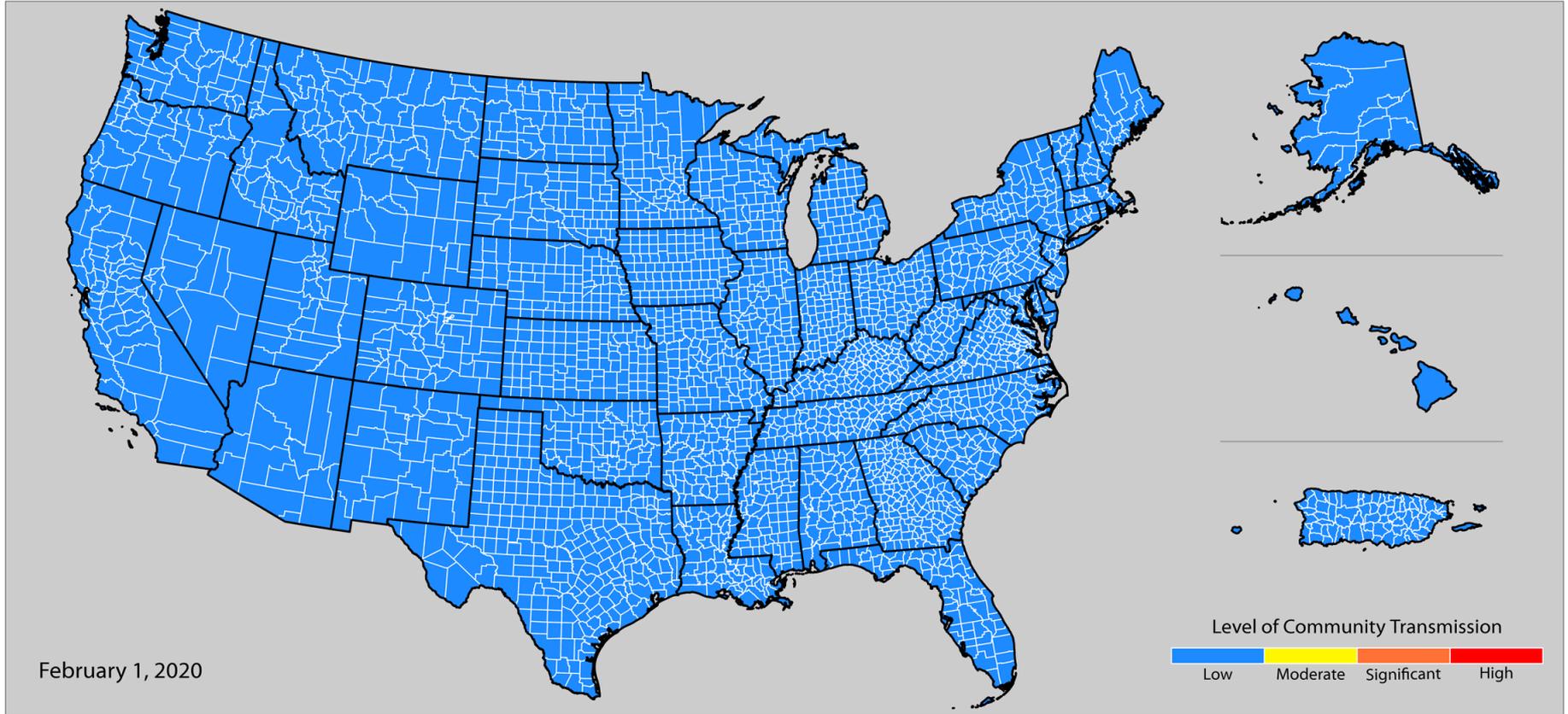
Indicator - If the two indicators suggest different transmission levels, the higher level is selected	Low Transmission Blue	Moderate Transmission Yellow	Substantial Transmission Orange	High Transmission Red
Total new cases per 100,000 persons in the past 7 days	0-9.99	10-49.99	50-99.99	≥100
Percentage of NAATs ¹ that are positive during the past 7 days	0-4.99%	5-7.99%	8-9.99%	≥10.0%

Level of Community Transmission: This metric ** uses two indicators for categorization (1. Total number of new cases per 100,000 persons within the last 7 days and 2. Percentage of positive diagnostic and screening nucleic acid amplification tests (NAAT) during the last 7 days). ¹NAAT remains the “gold standard” for clinical diagnostic detection of SARS-CoV-2 and includes viral testing such as Nucleic Acid Amplification Tests (NAATs), which include reverse transcriptase-polymerase chain reaction (RT-PCR) tests. Total number of new cases per 100,000 persons within the last 7 days is calculated by adding the number of new cases in the county (or other administrative level) in the last 7 days divided by the population in the county (or other administrative level) and multiplying by 100,000. Percentage of positive diagnostic and screening NAAT during the last 7 days is calculated by dividing the number of positive tests in the county (or other administrative level) during the last 7 days by the total number of tests resulted over the last 7 days. If the two indicators suggest different transmission levels, the higher level is selected. Transmission categories include Blue (Low Transmission): Control is achieved largely through individual prevention behaviors and the public health response to identify and isolate cases or clusters. Threshold: Counties with fewer than 10 cumulative cases per 100,000 population in the past 7 days, and a cumulative NAAT percent test positivity result below 5% in the past 7 days. Yellow (Moderate Transmission): Adherence to individual and selected community level prevention strategies are needed. Threshold: Counties with 10-49 cumulative cases per 100,000 population or a cumulative NAAT test positivity result between 5.0-7.9% in the past 7 days. Orange (Substantial Transmission): Everyday activities should be limited to reduce spread and protect the health care system. Threshold: Counties with 50-99 cumulative cases per 100,000 population or a cumulative NAAT test positivity result between 8.0-9.9% in the past 7 days. Red (High Transmission): Significant measures are needed to limit contact between persons, with priority given to maintaining essential community activities and services (e.g., health care, transportation, food and agriculture, schools). Threshold: Counties with cumulative cases =100 per 100,000 population or a cumulative NAAT test positivity result =10.0% in the past 7 days. The Level of Community Transmission table displays the number of counties in each level and the change from the prior week.

Additional information about how these indicators and thresholds apply to K-12 school settings can be found here: [Operational Strategy for K-12 Schools through Phased Mitigation | CDC](#). Additional information can be found on the [Calculating Severe Acute Respiratory Syndrome Coronavirus 2 \(SARS-CoV-2\) Laboratory Test Percent Positivity: CDC Methods and Considerations for Comparisons and Interpretation](#) webpage. Previously, CDC provided guidance for schools through the Indicators for Dynamic School Decision-Making. The current indicators and thresholds are an update to that document that reflect a focus on the past 7 days (rather than 14), and four (rather than five) categories of community transmission.

Level of Community Transmission of COVID-19, by County, United States, 2020-Feb-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



ATSDR

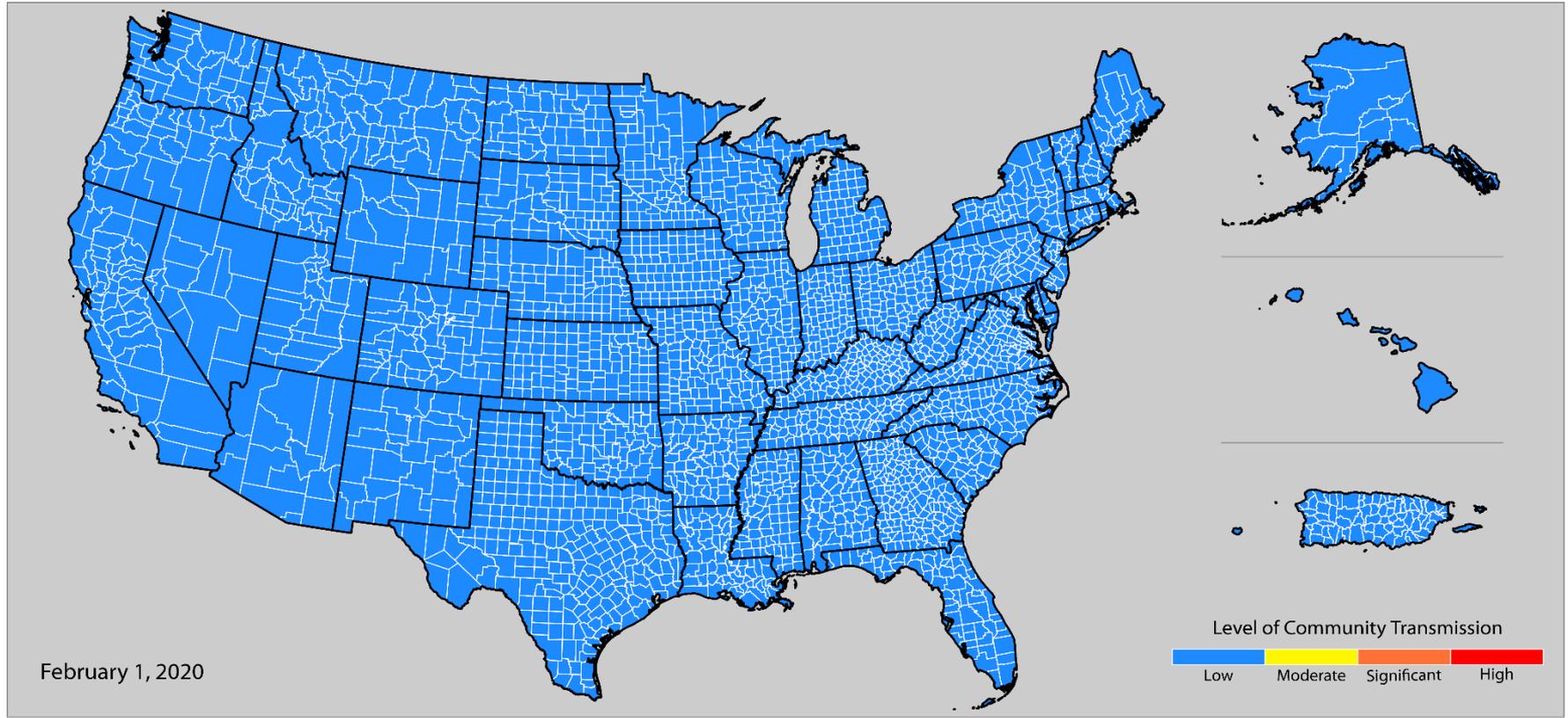
Centers for Disease Control and Prevention
Agency for Toxic Substances
and Disease Registry



Geospatial Research, Analysis and
Services Program

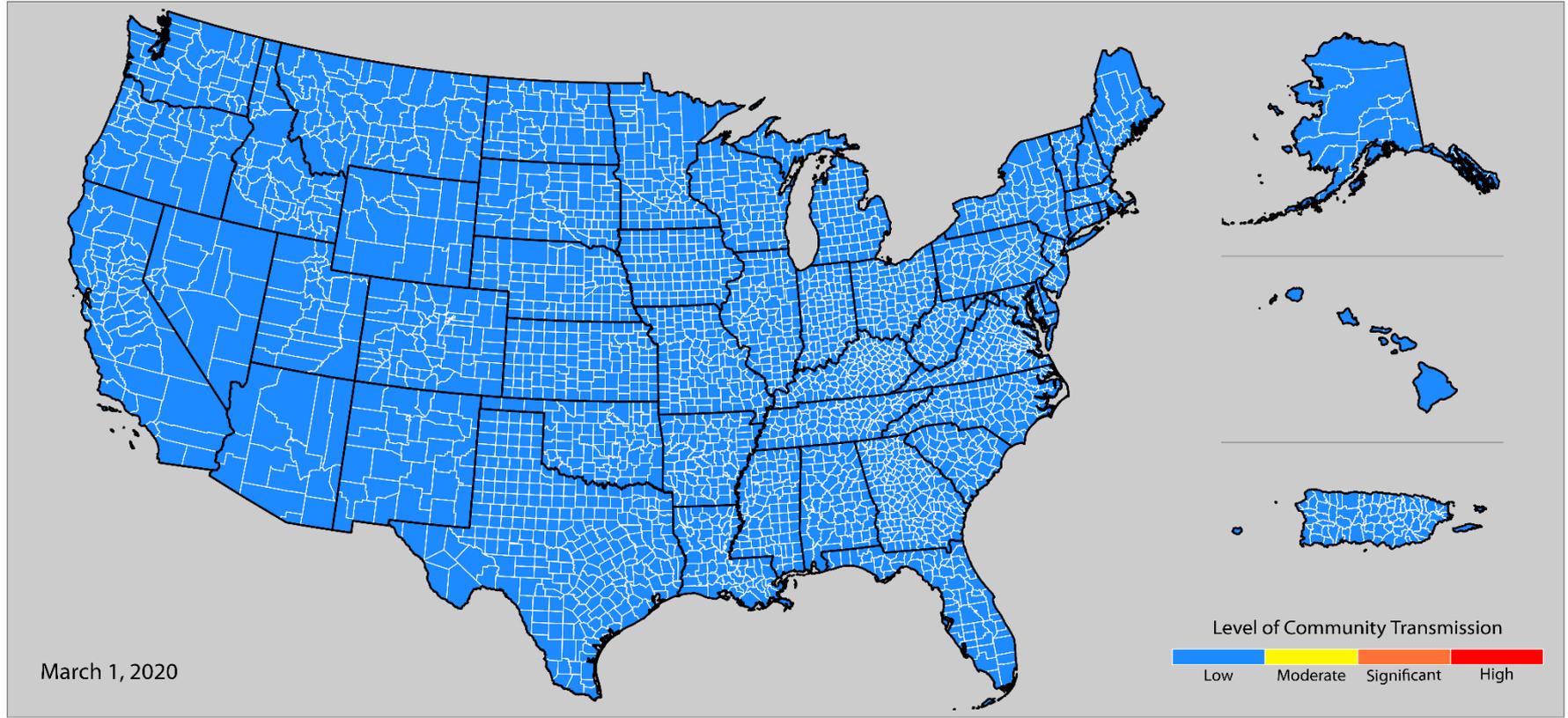
Level of Community Transmission of COVID-19, by County, United States, 2020-Feb-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



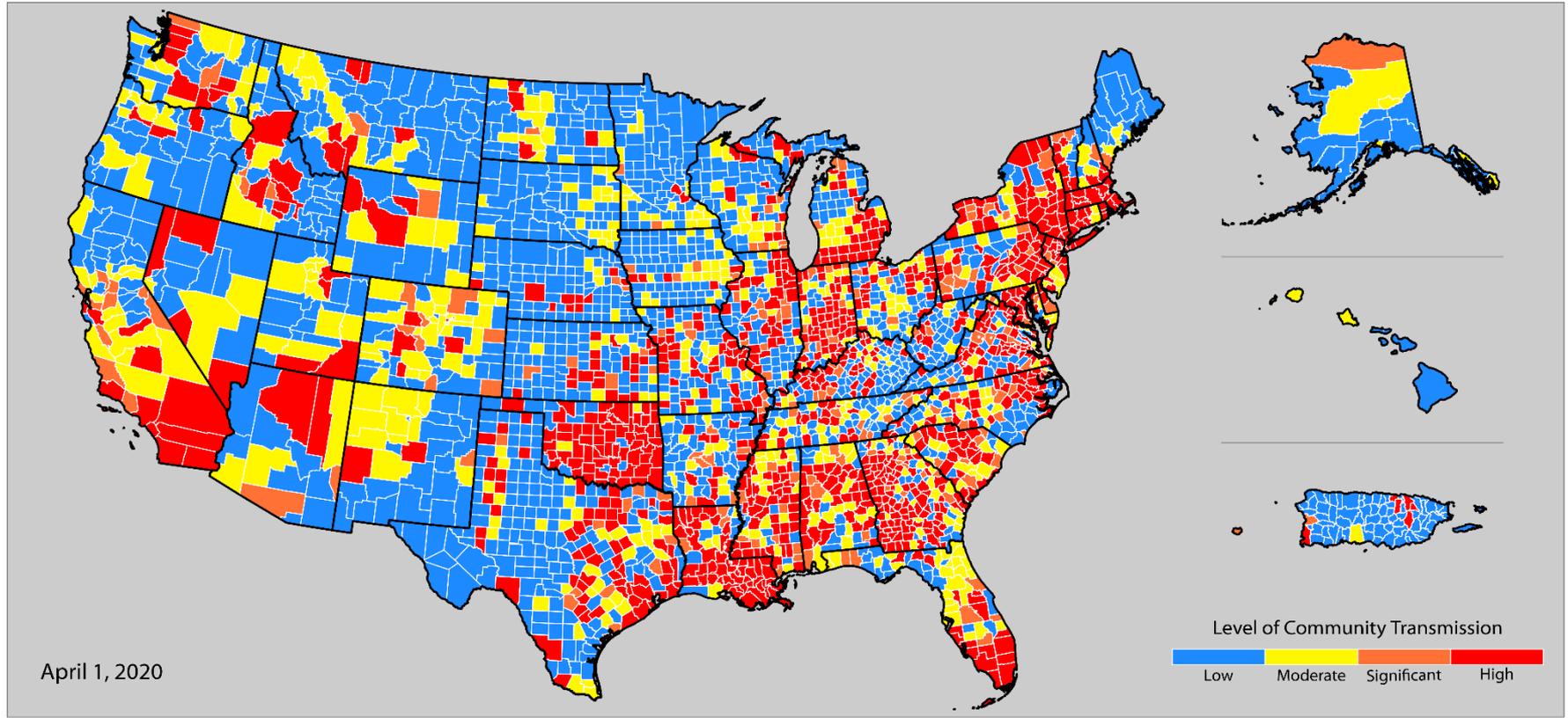
Level of Community Transmission of COVID-19, by County, United States, 2020-Mar-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



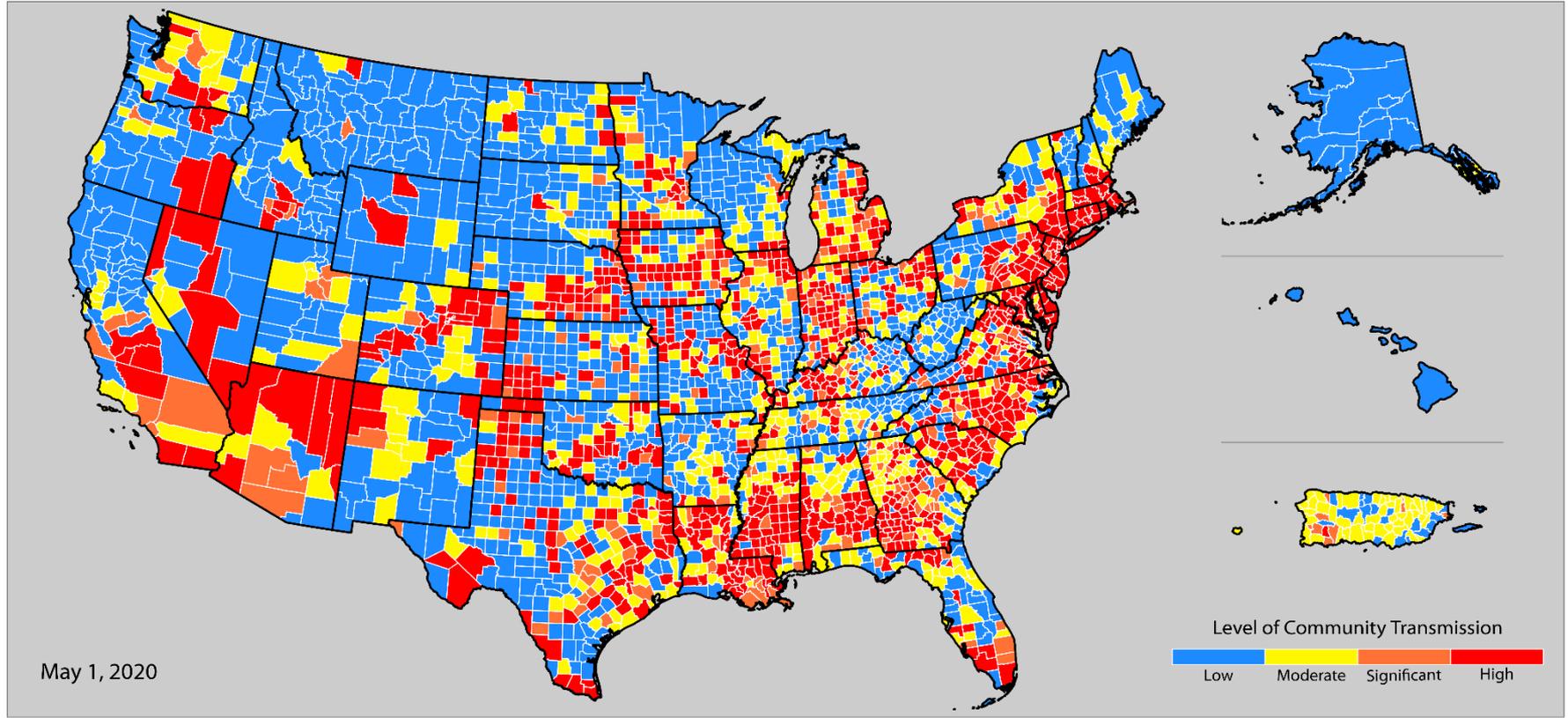
Level of Community Transmission of COVID-19, by County, United States, 2020-Apr-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



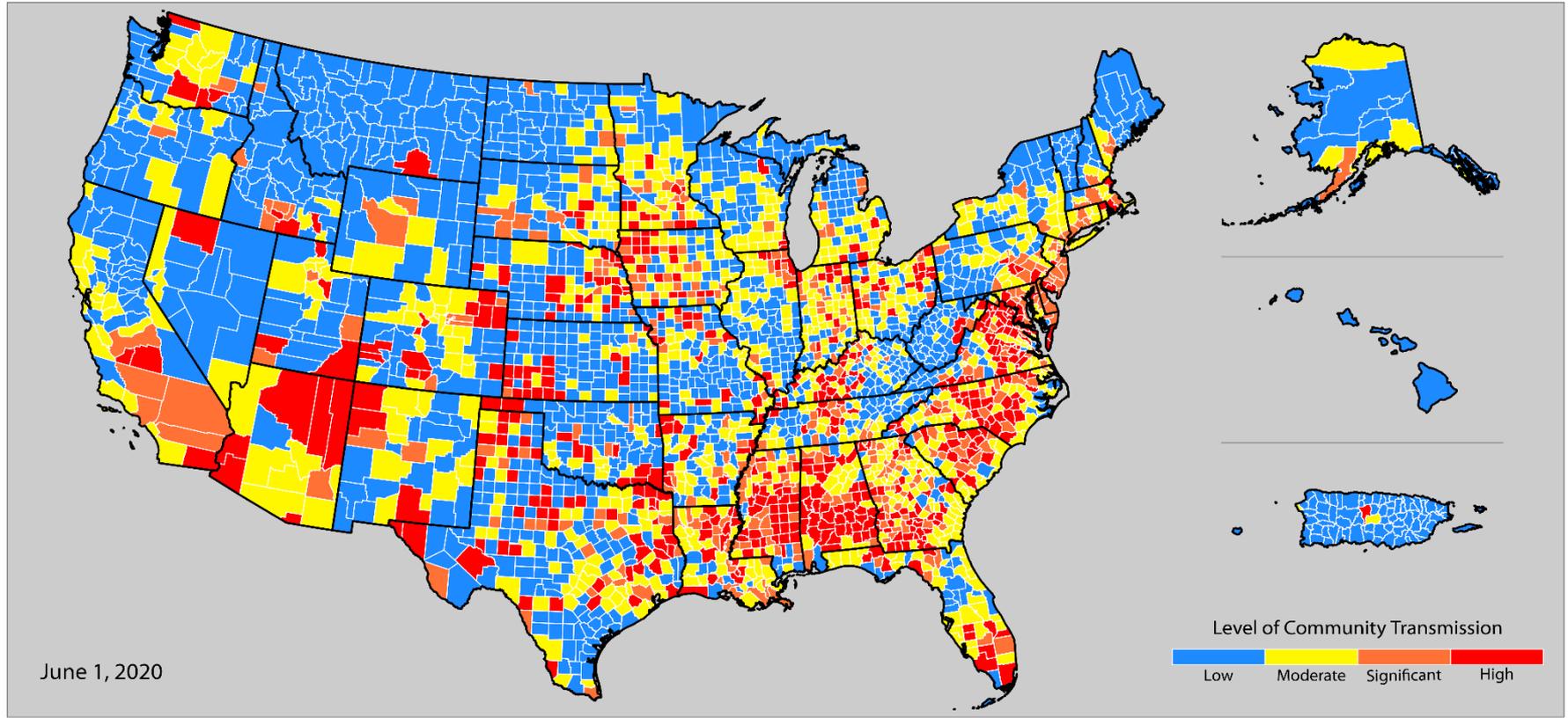
Level of Community Transmission of COVID-19, by County, United States, 2020-May-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



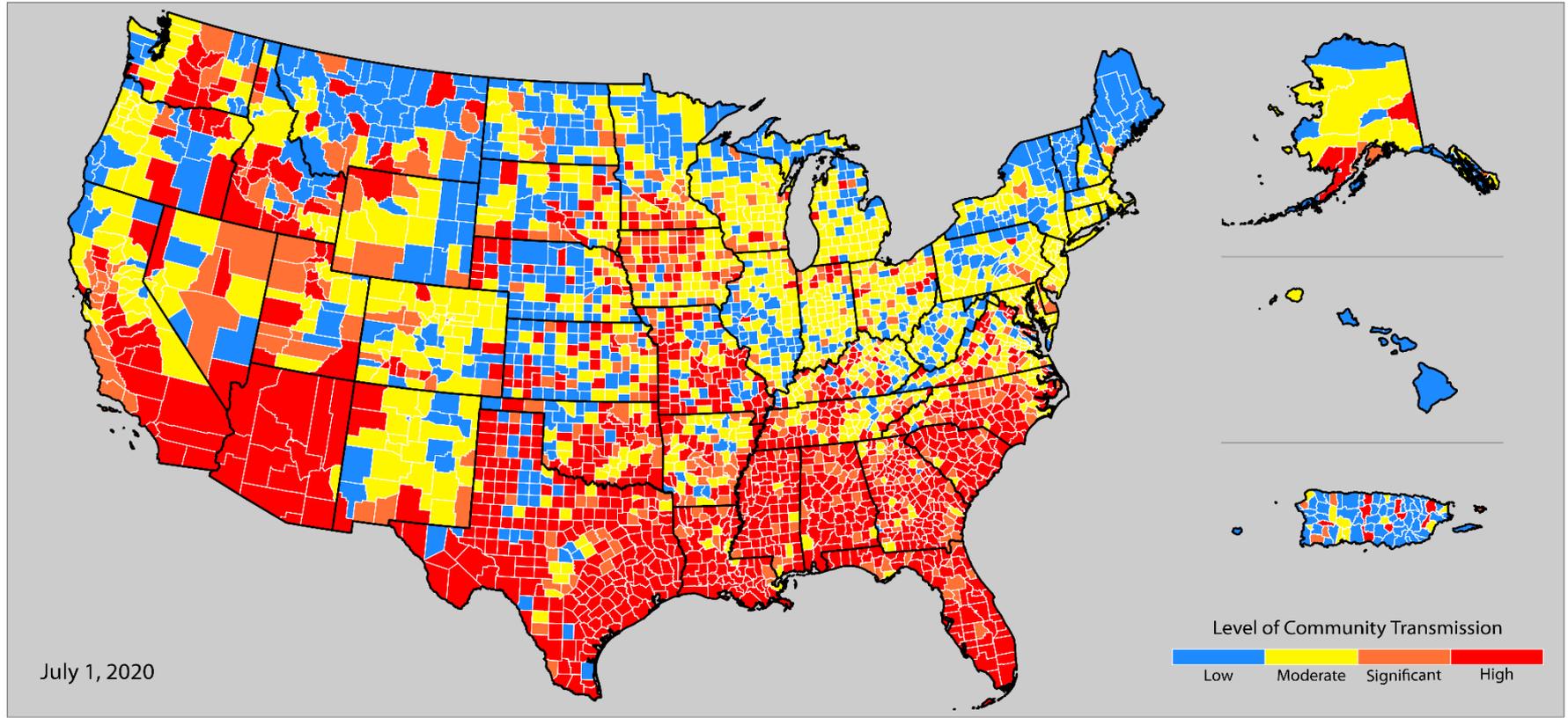
Level of Community Transmission of COVID-19, by County, United States, 2020-Jun-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



Level of Community Transmission of COVID-19, by County, United States, 2020-Jul-01

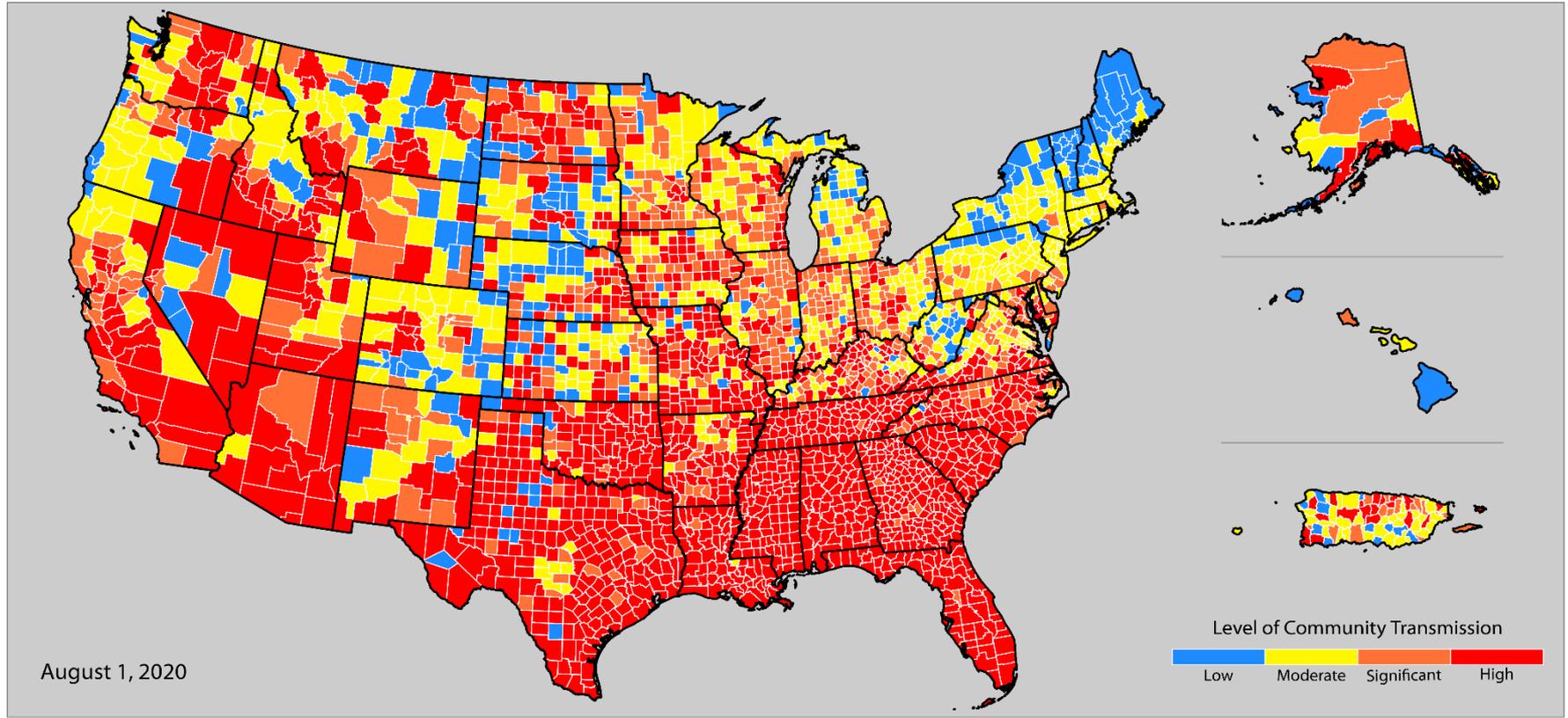
Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



July 1, 2020

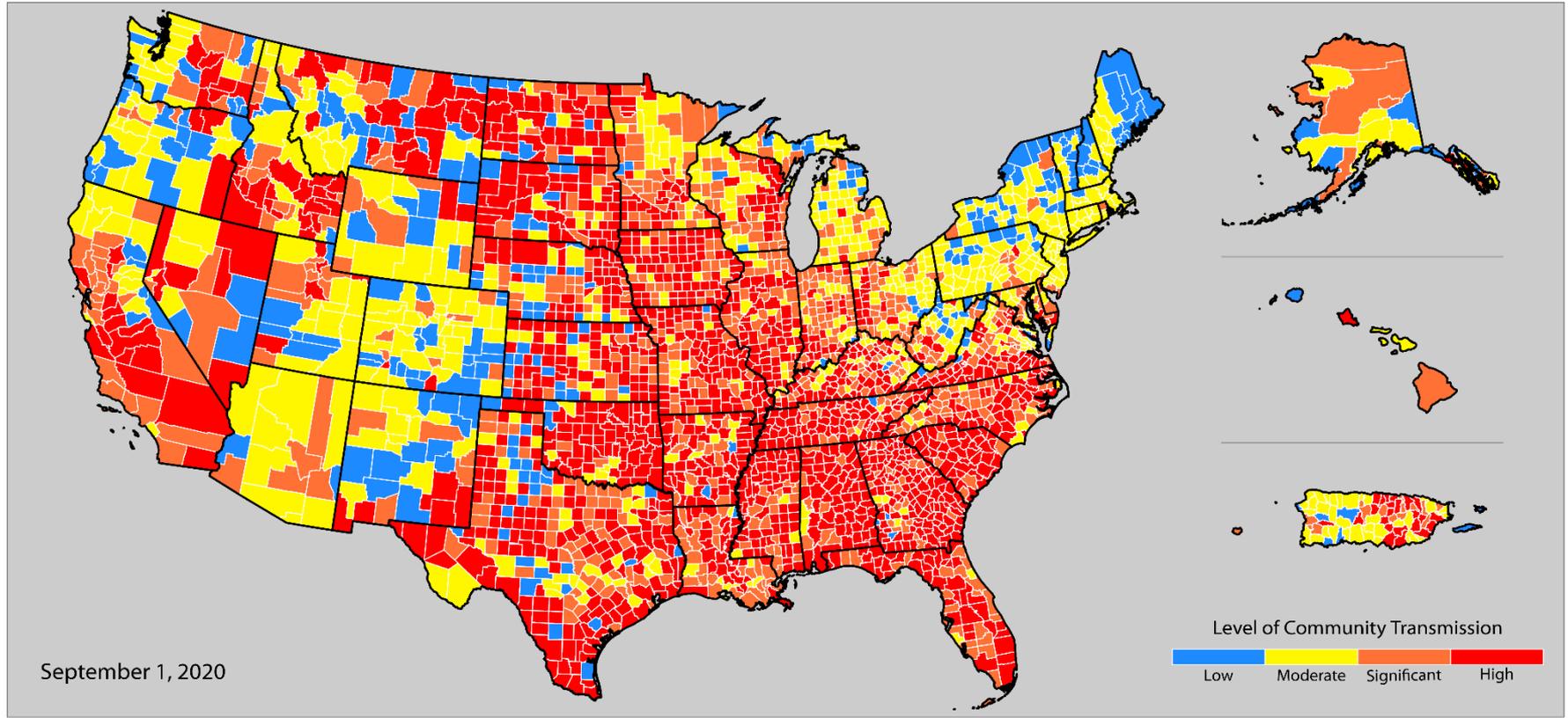
Level of Community Transmission of COVID-19, by County, United States, 2020-Aug-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



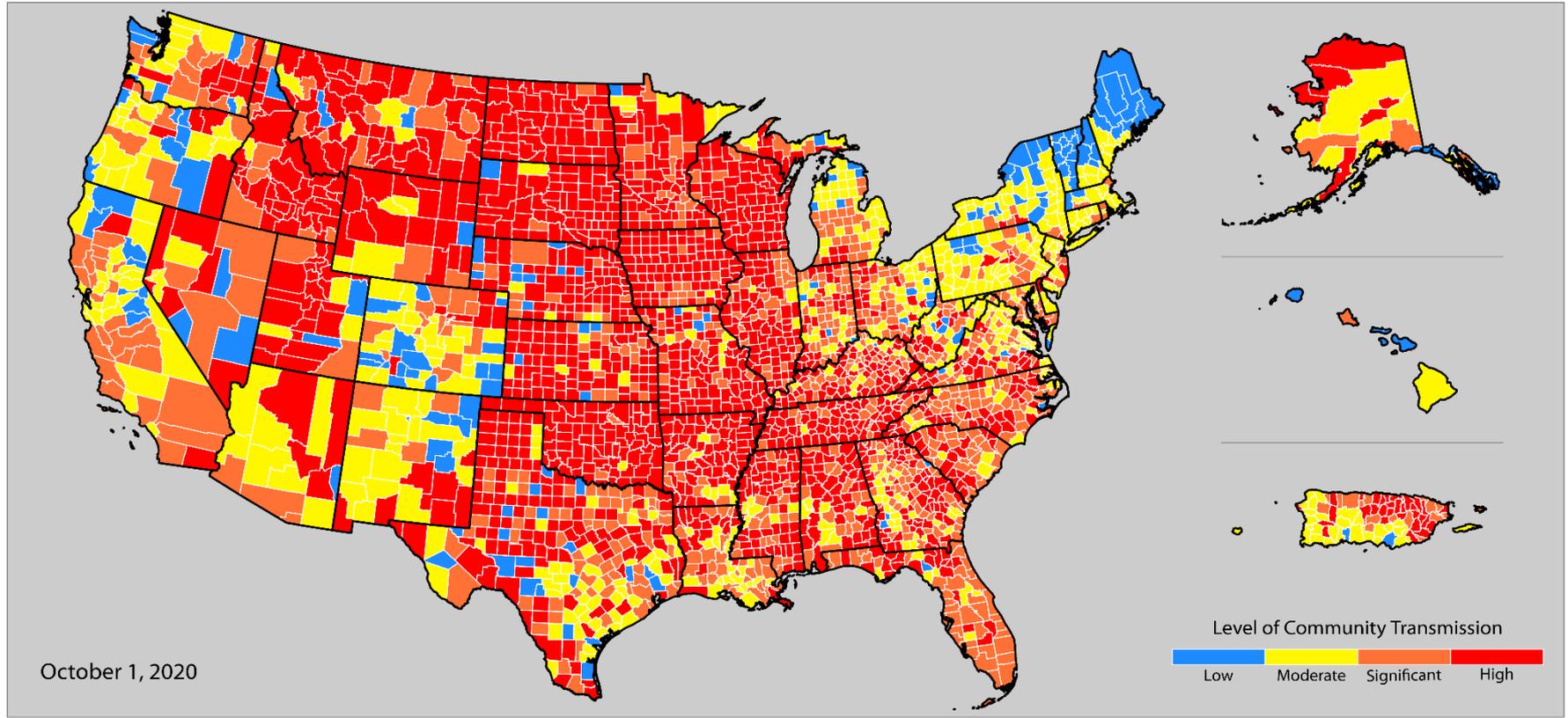
Level of Community Transmission of COVID-19, by County, United States, 2020-Sep-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



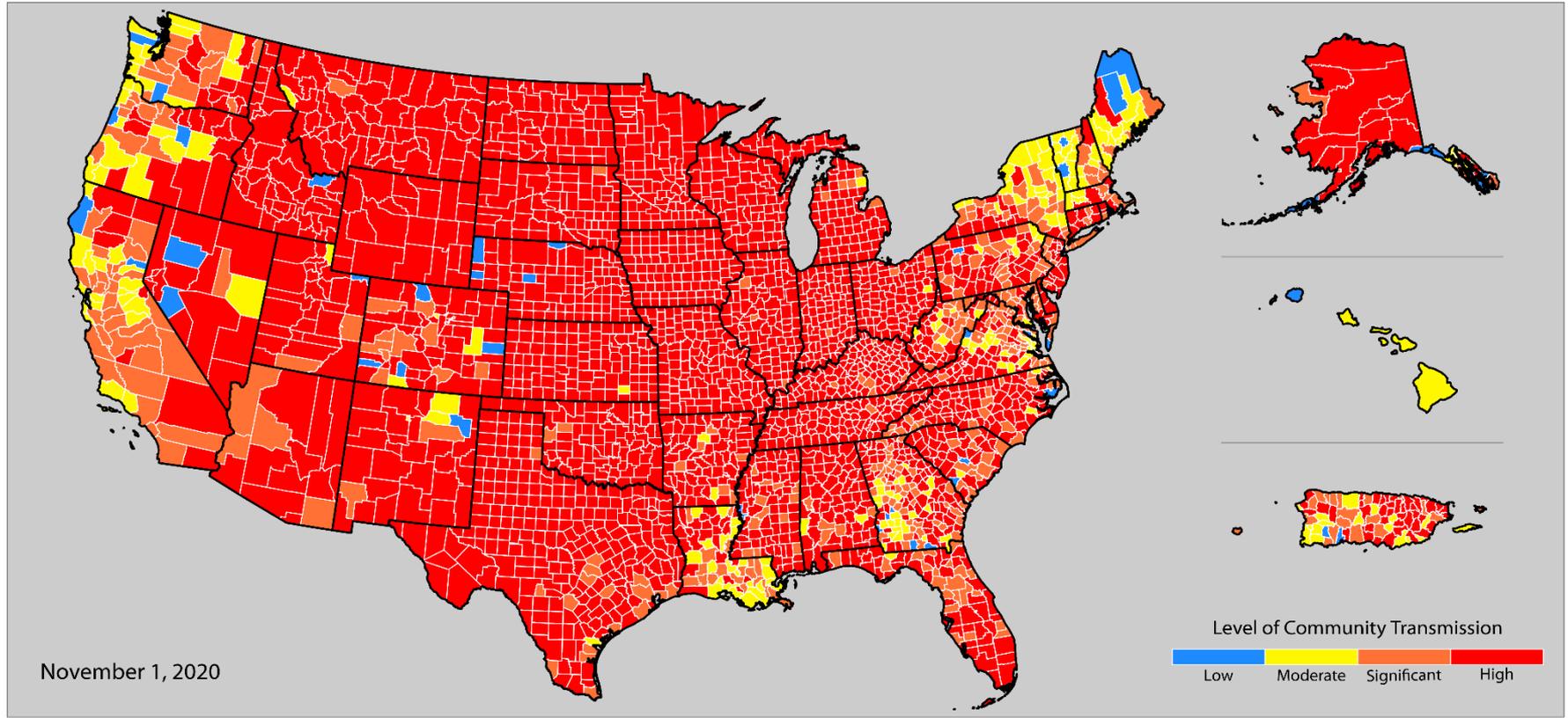
Level of Community Transmission of COVID-19, by County, United States, 2020-Oct-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



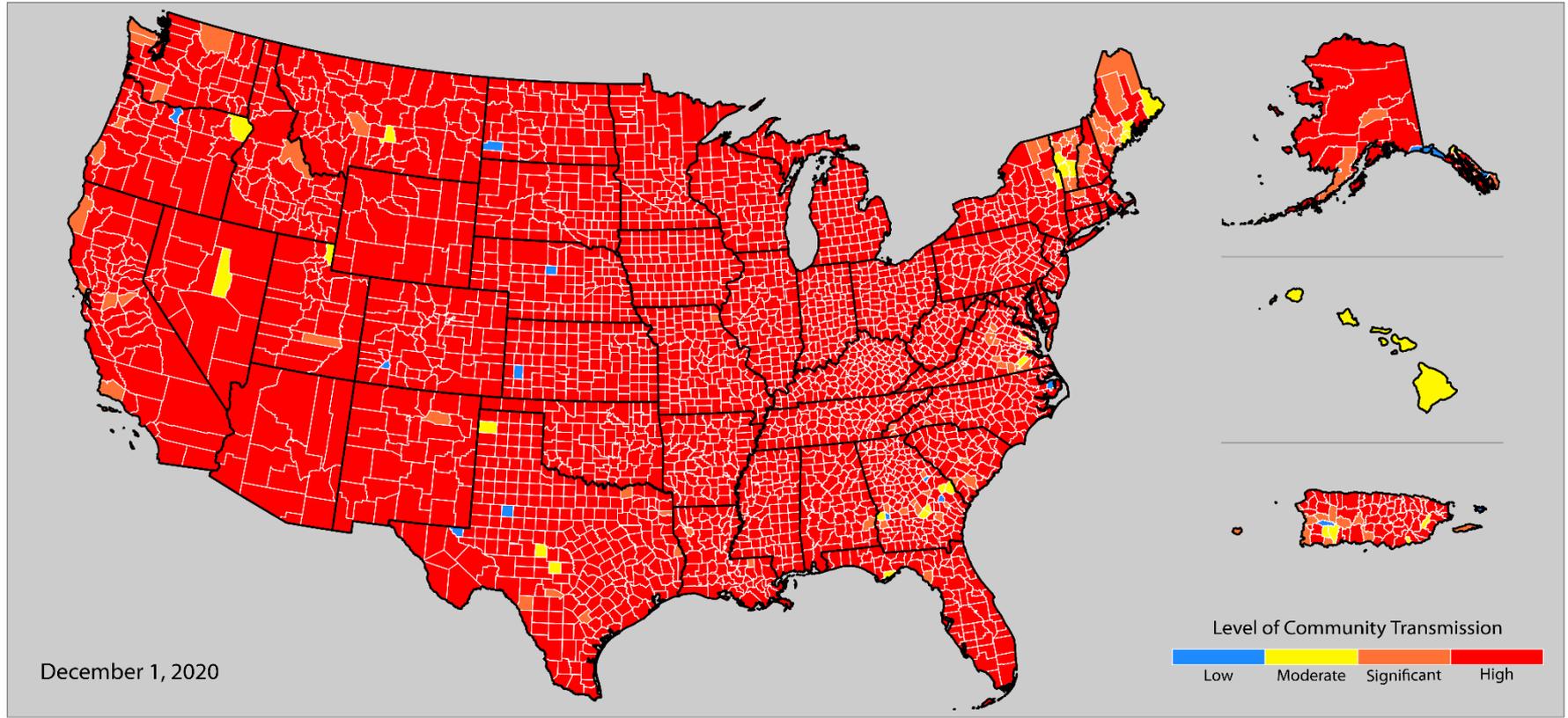
Level of Community Transmission of COVID-19, by County, United States, 2020-Nov-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



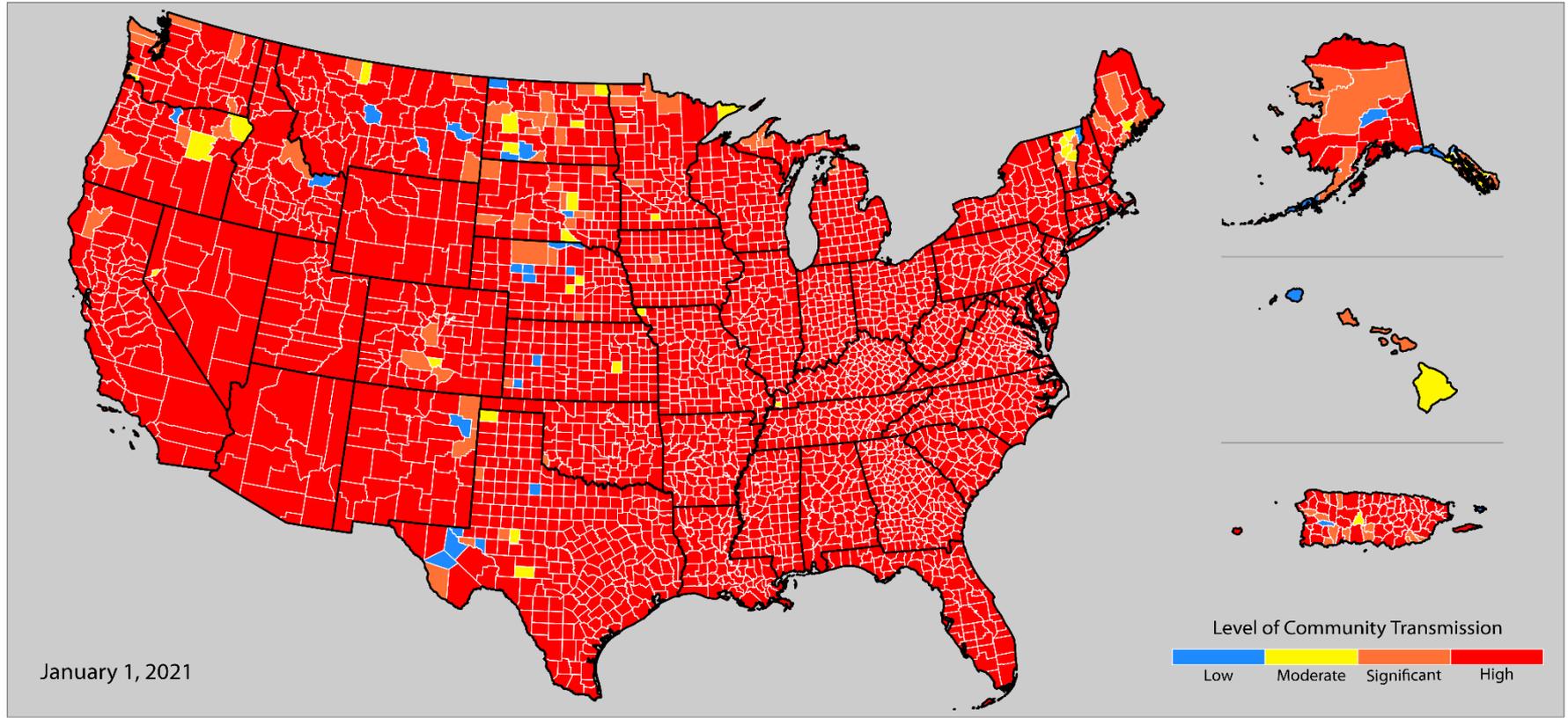
Level of Community Transmission of COVID-19, by County, United States, 2020-Dec-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



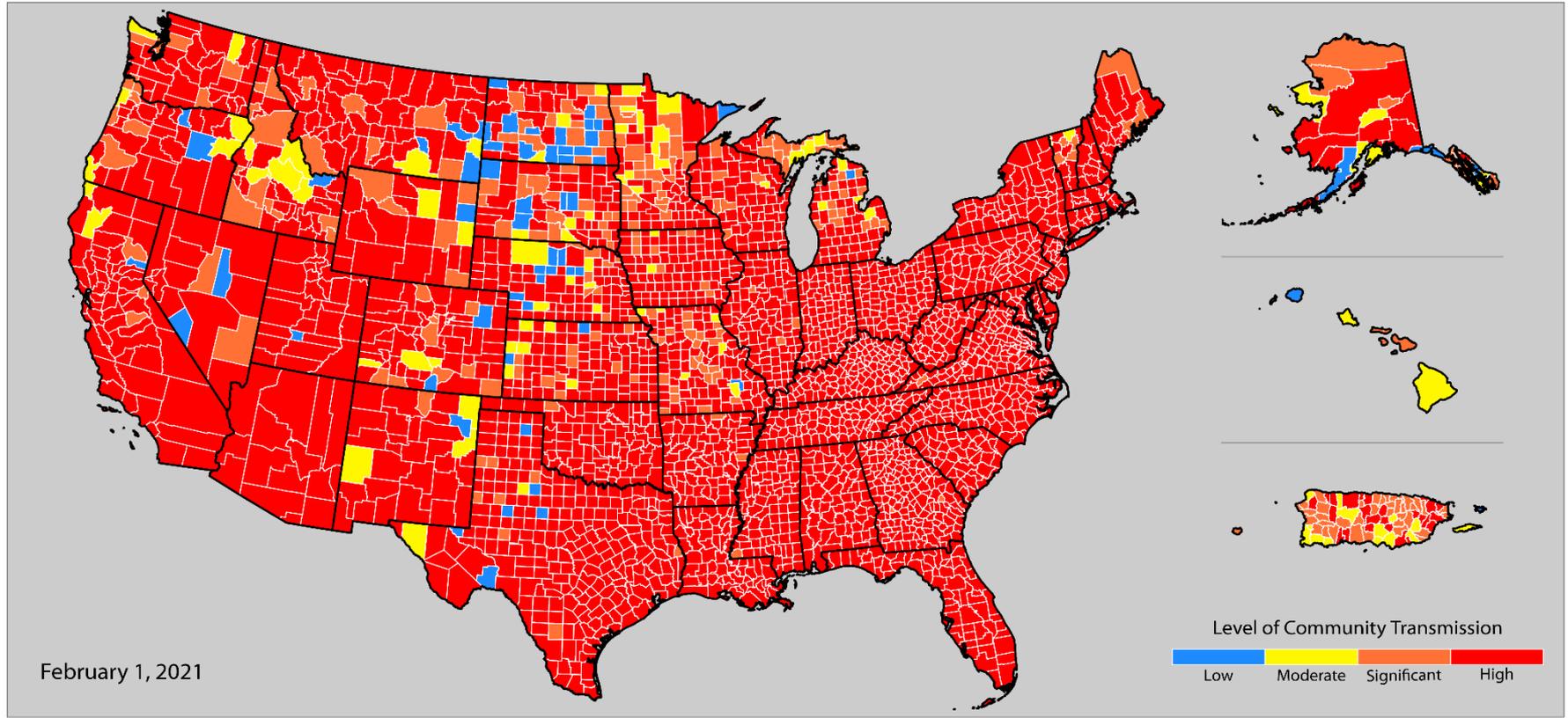
Level of Community Transmission of COVID-19, by County, United States, 2021-Jan-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



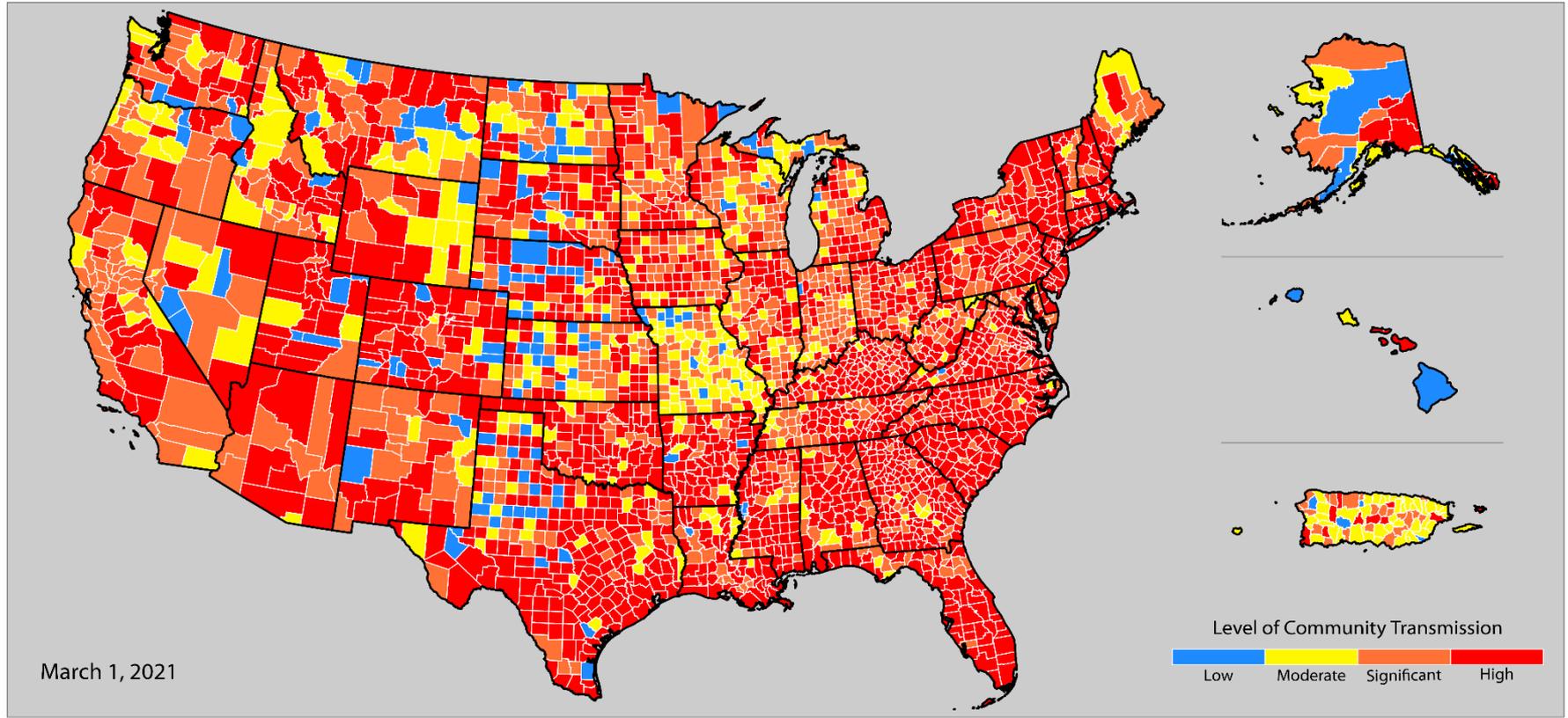
Level of Community Transmission of COVID-19, by County, United States, 2021-Feb-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



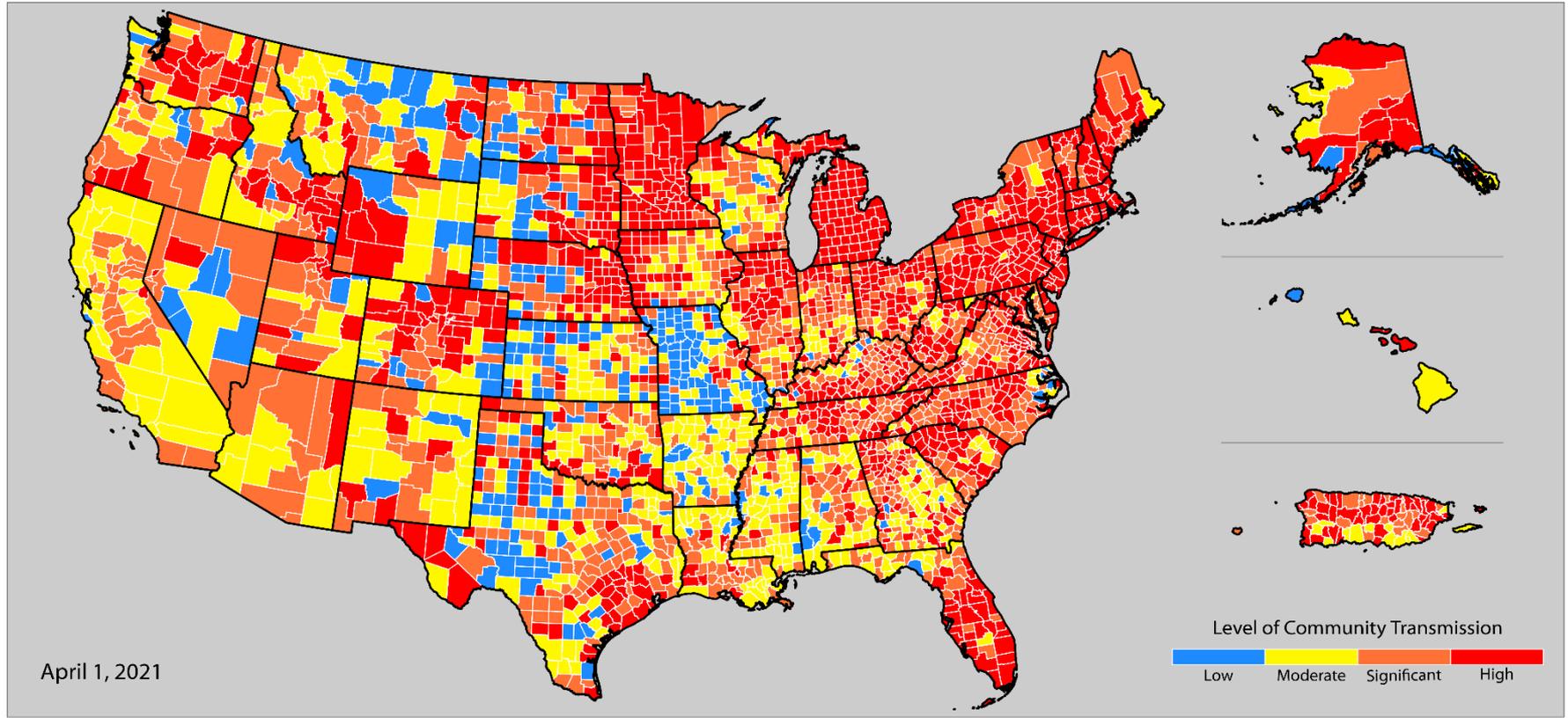
Level of Community Transmission of COVID-19, by County, United States, 2021-Mar-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



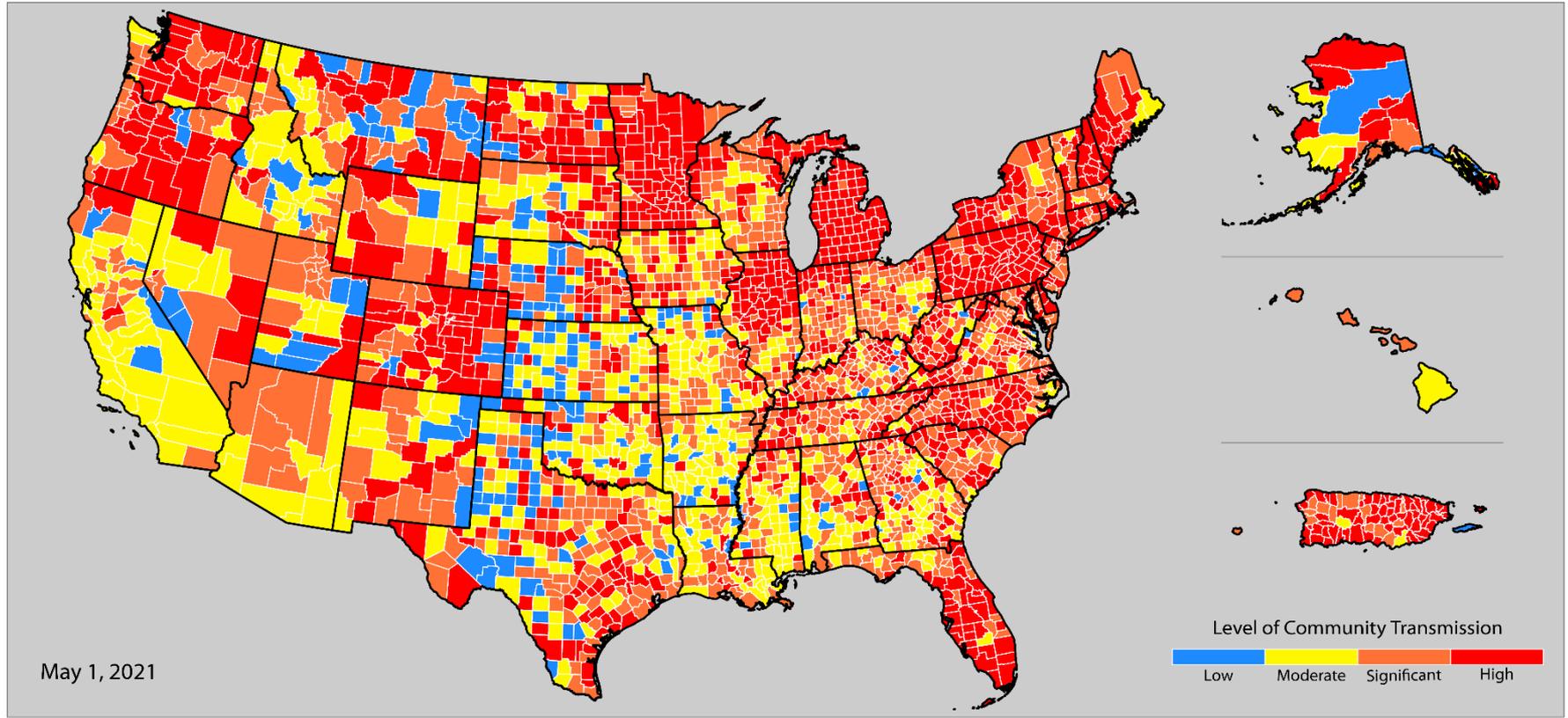
Level of Community Transmission of COVID-19, by County, United States, 2021-Apr-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



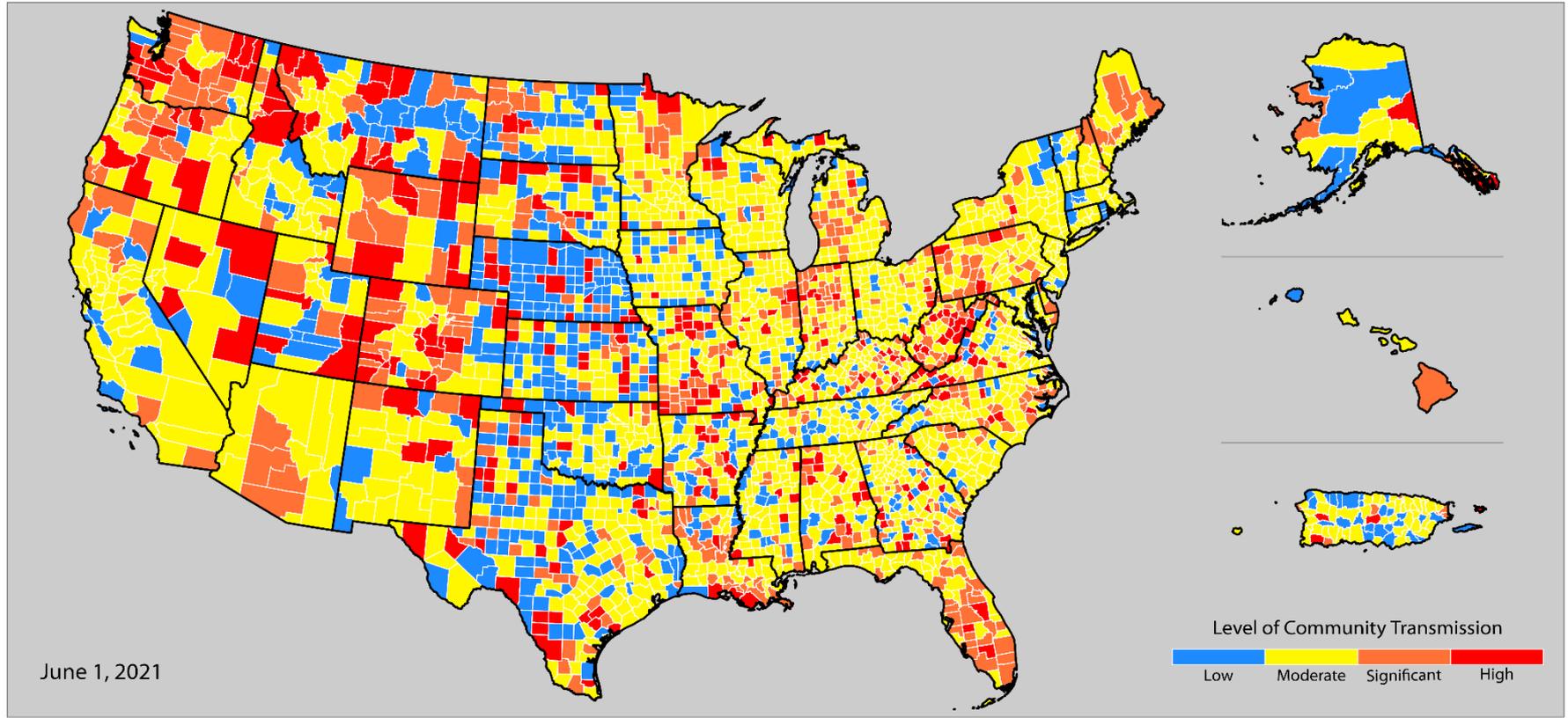
Level of Community Transmission of COVID-19, by County, United States, 2021-May-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



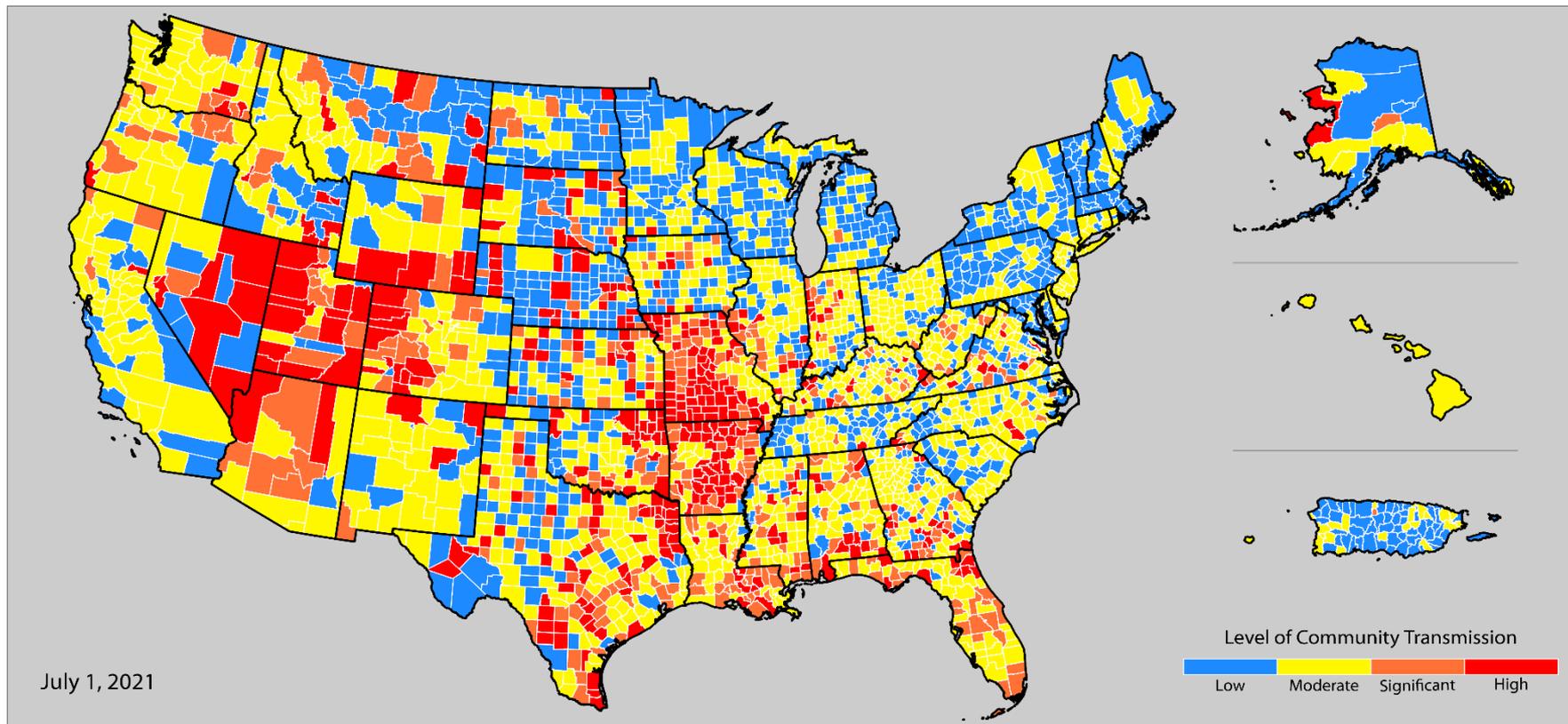
Level of Community Transmission of COVID-19, by County, United States, 2021-Jun-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



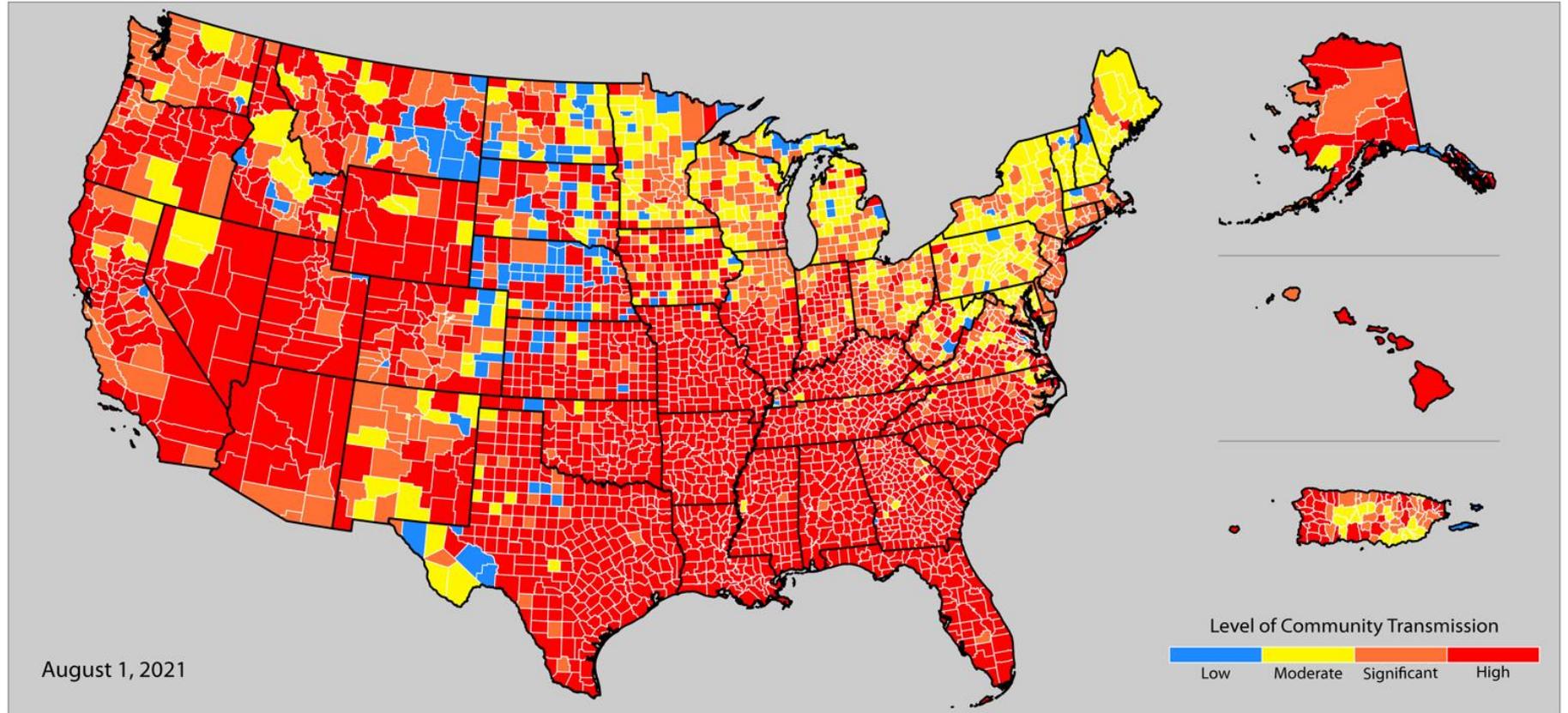
Level of Community Transmission of COVID-19, by County, United States, 2021-Jul-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



Level of Community Transmission of COVID-19, by County, United States, 2021-Aug-01

Source: HHS Protect (CTE_county_timeseries, ACDC, CELR)



CDC

ATSDR

Centers for Disease Control and Prevention
Agency for Toxic Substances
and Disease Registry

GRASP

Geospatial Research, Analysis and
Services Program

Data presented in these maps are not updated as data are updated historically.

For the most updated data on level of community transmission in the United States, visit CDC's [COVID Data Tracker](#).

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

