

National Study of Treatment and Addiction Recovery Residences Report

LOUISIANA

The National Study of Treatment and Addiction Recovery Residences (NSTARR) constitutes the largest and most diverse study of recovery housing in the U.S. to date. NSTARR compiled data from publicly available sources (e.g., Oxford House, National Alliance for Recovery Residences, and Substance Abuse and Mental Health Services Administration websites) and lists maintained by entities tracking recovery housing. Residences for which locating information was available were geocoded and linked with U.S. Census data on urbanicity, alcohol- and drug-involved mortality, and COVID vulnerability. Data collection began in January 2020 and is ongoing until June 2023. The NSTARR database currently contains information on 10,358 residences operated by 3,628 providers in all 50 states. For a detailed description of methods and national findings, please see Mericle et al., 2022.

KEY FINDINGS

The NSTARR team identified 165 recovery residences (3.54 houses per 100,000 population) in Louisiana (see Table 1). Compared to other states (which include DC), Louisiana ranked 19 in terms of recovery housing availability per capita. Ninety-six percent of residences in Louisiana could be geocoded for these analyses. Rapides Parish, an urban parish, had the most recovery residences per 100,000 population, and 49 parishes had no identified recovery residences, representing a mix of rural-urban classifications; 55 (86% of parishes) had fewer than 5 recovery residences (see Figure 1).

We used geographic information systems to identify hot and cold spots in Louisiana. A hot spot is a cluster of high values (parish with a high number of residences surrounded by other parishes with high numbers of residences) and a cold spot is a cluster of low values (parish with low counts surrounded by parishes also with low counts). However, we found no hot or cold spots in the state.

The age-adjusted alcohol- and drug-involved mortality rate (per 100,000 population) was 13.30 in Louisiana for the years 2009–2019. Louisiana ranked 44 on alcohol- and drug-involved mortality out of the 50 states and DC. Among the parishes ranked, St. Bernard Parish had the highest alcohol- and drug-involved mortality rate and St. James Parish had the lowest alcohol- and drug-involved mortality rate. Of the three parishes that had the highest mortality rates in Louisiana (i.e., St. Bernard, Washington, and St. Landry), all three of them also ranked in the bottom half recovery housing availability per capita (they had no recovery housing at all), suggesting more recovery resources may be needed (see Table 1 and Figure 2).

COVID vulnerability was summarized using the parish-level data from the Centers for Disease Control and Prevention's COVID Vulnerability Index (CCVI). The CCVI is a composite measure of seven social determinants of health, encompassing modified themes from the Centers for Disease Control and Prevention's Social Vulnerability Index in combination with COVID risk factors to identify communities in need of additional support during the COVID pandemic. Thirty-four parishes were classified as having very high vulnerability, and 28 of those parishes were ranked in the bottom half of recovery housing availability per capita (they had no recovery housing at all), again suggesting that more recovery resources may be needed (see Table 1 and Figure 3).

165
RESIDENCES
TOTAL

19
NATIONAL
AVAILABILITY
RANKING

49
PARISHES
WITHOUT
RESIDENCES

Table 1. Parish-level Descriptive Statistics on Recovery Residences

Parish Name	Population ¹	RUCC Classification ²	Number of Recovery Residences ³	Recovery Residences Per 100,000 Population	Recovery Residences Availability per Capita (Rank) ⁴	Age-Adjusted Alcohol/Drug Mortality ⁵ Rate per 100,000 Population	Mortality Rate (Rank) ⁶	CCVI Quintile ⁷
LOUISIANA	4,664,362		165	3.54	19	13.30	44	
Acadia Parish	62,457	Urban	0	0.00	64	26.70	37	Very high vulnerability
Allen Parish	25,618	Adjacent rural	0	0.00	64	31.80	26	Very high vulnerability
Ascension Parish	123,114	Urban	2	1.62	13	26.10	42	High
Assumption Parish	22,478	Adjacent rural	0	0.00	64	30.70	27	High
Avoyelles Parish	40,669	Adjacent rural	1	2.46	10	37.30	14	Very high vulnerability
Beauregard Parish	37,043	Adjacent rural	0	0.00	64	15.70	60	Moderate
Bienville Parish	13,564	Adjacent rural	0	0.00	64	30.50	28	Very high vulnerability
Bossier Parish	126,499	Urban	3	2.37	11	32.20	23	High
Caddo Parish	245,831	Urban	15	6.10	5	57.00	4	Very high vulnerability
Calcasieu Parish	201,619	Urban	11	5.46	6	26.40	39	High
Caldwell Parish	9,992	Adjacent rural	0	0.00	64	24.20	47	High
Cameron Parish	6,930	Urban	0	0.00	64	Suppressed	-	Very low vulnerability
Catahoula Parish	9,766	Non-adjacent rural	0	0.00	64	25.80	44	Very high vulnerability
Claiborne Parish	15,985	Adjacent rural	0	0.00	64	25.50	45	Very high vulnerability
Concordia Parish	19,778	Non-adjacent rural	0	0.00	64	19.30	51	Very high vulnerability
De Soto Parish	27,289	Urban	0	0.00	64	34.30	21	Very high vulnerability
East Baton Rouge Parish	443,763	Urban	34	7.66	3	24.10	48	High
East Carroll Parish	7,096	Non-adjacent rural	0	0.00	64	29.00	33	Very high vulnerability
East Feliciana Parish	19,371	Urban	0	0.00	64	19.10	52	Very high vulnerability
Evangeline Parish	33,589	Adjacent rural	0	0.00	64	34.50	19	Very high vulnerability
Franklin Parish	20,238	Non-adjacent rural	0	0.00	64	17.70	58	Very high vulnerability
Grant Parish	22,340	Urban	0	0.00	64	39.30	12	Moderate
Iberia Parish	71,887	Urban	0	0.00	64	29.90	29	Very high vulnerability
Iberville Parish	32,822	Urban	0	0.00	64	21.30	50	Very high vulnerability
Jackson Parish	15,879	Adjacent rural	0	0.00	64	18.30	56	Very high vulnerability
Jefferson Davis Parish	31,441	Adjacent rural	0	0.00	64	29.10	32	High
Jefferson Parish	434,850	Urban	13	2.99	9	44.40	5	High
LaSalle Parish	14,936	Adjacent rural	0	0.00	64	35.90	15	High
Lafayette Parish	241,973	Urban	24	9.92	2	31.90	25	High
Lafourche Parish	98,108	Urban	0	0.00	64	27.10	36	High
Lincoln Parish	47,246	Adjacent rural	0	0.00	64	26.50	38	High

Livingston Parish	138,928	Urban	1	0.72	15	41.50	7	Moderate
Madison Parish	11,306	Non-adjacent rural	0	0.00	64	18.50	55	Very high vulnerability
Morehouse Parish	25,610	Adjacent rural	0	0.00	64	26.00	43	Very high vulnerability
Natchitoches Parish	38,769	Adjacent rural	0	0.00	64	43.10	6	Very high vulnerability
Orleans Parish	390,845	Urban	16	4.09	8	41.40	8	Very high vulnerability
Ouachita Parish	155,494	Urban	11	7.07	4	40.00	11	Very high vulnerability
Plaquemines Parish	23,338	Urban	0	0.00	64	34.50	19	High
Pointe Coupee Parish	22,016	Urban	0	0.00	64	27.50	35	High
Rapides Parish	130,970	Urban	13	9.93	1	39.20	13	Very high vulnerability
Red River Parish	8,565	Adjacent rural	0	0.00	64	Suppressed	-	High
Richland Parish	20,350	Adjacent rural	0	0.00	64	18.00	57	Very high vulnerability
Sabine Parish	23,991	Adjacent rural	0	0.00	64	24.30	46	Very high vulnerability
St. Bernard Parish	46,266	Urban	0	0.00	64	81.50	1	High
St. Charles Parish	52,773	Urban	0	0.00	64	34.90	18	High
St. Helena Parish	10,297	Urban	0	0.00	64	35.50	17	High
St. James Parish	21,308	Urban	0	0.00	64	14.40	61	Very high vulnerability
St. John the Baptist Parish	43,242	Urban	0	0.00	64	29.20	30	Very high vulnerability
St. Landry Parish	83,172	Adjacent rural	0	0.00	64	58.50	3	Very high vulnerability
St. Martin Parish	53,732	Urban	0	0.00	64	23.90	49	Very high vulnerability
St. Mary Parish	50,968	Adjacent rural	0	0.00	64	32.00	24	Very high vulnerability
St. Tammany Parish	255,155	Urban	11	4.31	7	35.70	16	Moderate
Tangipahoa Parish	132,057	Urban	2	1.51	14	41.00	9	Very high vulnerability
Tensas Parish	4,561	Non-adjacent rural	0	0.00	64	Suppressed	-	Moderate
Terrebonne Parish	112,054	Urban	2	1.78	12	34.20	22	Very high vulnerability
Union Parish	22,353	Urban	0	0.00	64	19.10	52	Very high vulnerability
Vermilion Parish	59,865	Urban	0	0.00	64	17.20	59	High
Vernon Parish	49,646	Non-adjacent rural	0	0.00	64	26.40	39	Moderate
Washington Parish	46,435	Adjacent rural	0	0.00	64	60.40	2	Very high vulnerability
Webster Parish	39,242	Urban	0	0.00	64	26.40	39	High
West Baton Rouge Parish	26,101	Urban	0	0.00	64	27.90	34	Very high vulnerability
West Carroll Parish	11,041	Non-adjacent rural	0	0.00	64	29.20	30	Moderate
West Feliciana Parish	15,428	Urban	0	0.00	64	19.10	52	High
Winn Parish	14,313	Adjacent rural	0	0.00	64	40.70	10	High

¹Population data were downloaded from tables in Social Explorer's ACS five-year estimate (2015-2019). American Community Survey 5-year Estimates, 2015-2019. Social Explorer tables, ACS 2015-2019. Social Explorer.

²The Rural-Urban Continuum Code (RUCC) was used to classify each parish as urban, adjacent rural, or non-adjacent rural. Urban parishes are parishes with codes 1 (Parishes in metro areas of 1 million population or more), 2 (Parishes in metro areas of 250,000 to 1 million population), and 3 (Parishes in metro areas of fewer than 250,000 population). Adjacent rural parishes are parishes with codes 4 (Urban population of 20,000 or more, adjacent to a metro area), 6 (Urban population of 2,500 to 19,999, adjacent to a metro area), and 8 (Completely rural or less than 2,500 urban population, adjacent to a metro area). Non-adjacent rural parishes are the remaining three codes - 5 (Urban population of 20,000 or more, not adjacent to a metro area), 7 (Urban population of 2,500 to 19,999, not adjacent to a metro area), and 9 (Completely rural or less than 2,500 urban population, not adjacent to a metro area). Rural-Urban Continuum Code (RUCC). <https://www.ers.usda.gov/data-products/rural-urban-continuum-codes.aspx>

³Recovery residences are from the NSTARR project and are current as of 2020. Six (6) recovery residences in the state were not successfully geocoded due to lack of adequate address information, and thus were not assigned to a parish.

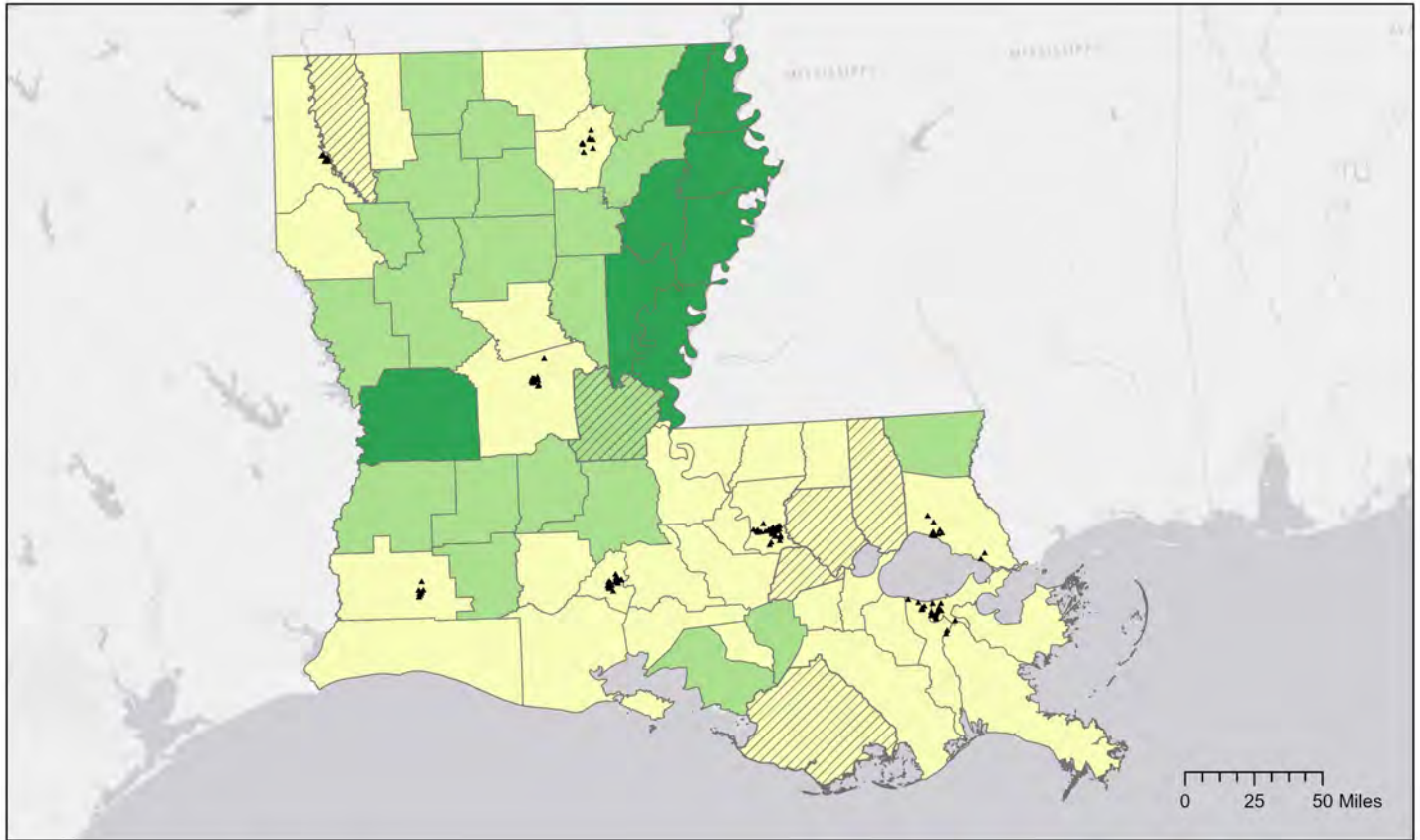
⁴Recovery residences availability per capita is ranked in order of decreasing recovery residence density per 100,000 population per parish, with 1 (highest number of residences per 100,000) to 64 (lowest number of residences per 100,000 population). Parishes without recovery residences were all assigned a tied rank of 64.

⁵Alcohol- and drug-involved mortality included all deaths as underlying causes of death and selected ICD-10 codes mentioning or attributed to alcohol or drugs as contributing cause of death. Data from the Centers for Disease Control and Prevention, 2020. CDC Wonder (Wide-ranging Online Data for Epidemiologic Research). U.S. Department of Health and Human Services, Atlanta, GA. Available at: <https://wonder.cdc.gov/>. For more information on coding multiple causes of death, see: Centers for Disease Control and Prevention, About Multiple Cause of Death, 1999-2019. <https://wonder.cdc.gov/mcd-icd10.html>. accessed on August 9 2021.

⁶Mortality rate is ranked in order of decreasing alcohol- and drug-involved mortality from 1 (highest mortality per 100,000 population) to 61 (lowest mortality per 100,000 population).

⁷COVID-19 Community Vulnerability Index (CCVI) scores range in value from 0 – 1, with 0 being least vulnerable and 1 being the most vulnerable. Each parish is ranked relative to all parishes across the country, based on seven themes/domains. Each parish was grouped into quintiles: very high (score of 0.8-1), high (0.6-0.8), moderate (0.4-0.6), low (0.2-0.4), and very low (0-0.2). For more information on how the CCVI is calculated, see: COVID-19 Community Vulnerability Index (CCVI) methodology. Retrieved from [https://covid-static-assets.s3.amazonaws.com/US-CCVI/COVID-19+Community+Vulnerability+Index+\(CCVI\)+Methodology.pdf](https://covid-static-assets.s3.amazonaws.com/US-CCVI/COVID-19+Community+Vulnerability+Index+(CCVI)+Methodology.pdf)

Figure 1. Distribution of Residences by Rural-Urban Classification



▲ Recovery residences

Rural-Urban Classification Code (RUCC)

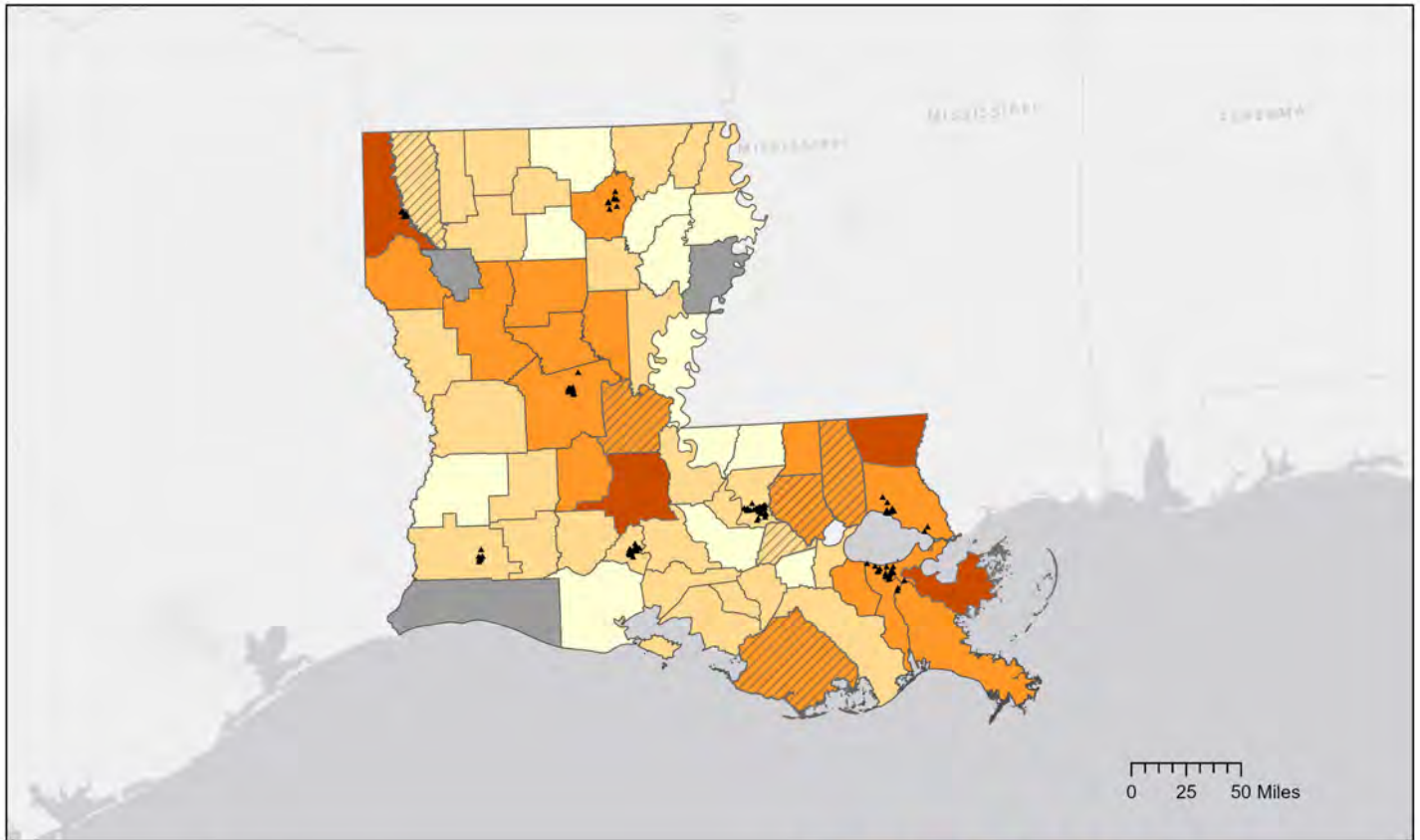
- Urban
- Adjacent rural
- Non-adjacent rural
- Counties with residence locations suppressed (1-4 residences) to protect privacy



Data Credits: Esri, HERE, Garmin, USGS, EPA, NPS
Recovery residence locations: 2020
Created by: NSTARR Project (May 2022)



Figure 2. Distribution of Residences by Age-adjusted Alcohol- and/or Drug-involved Mortality



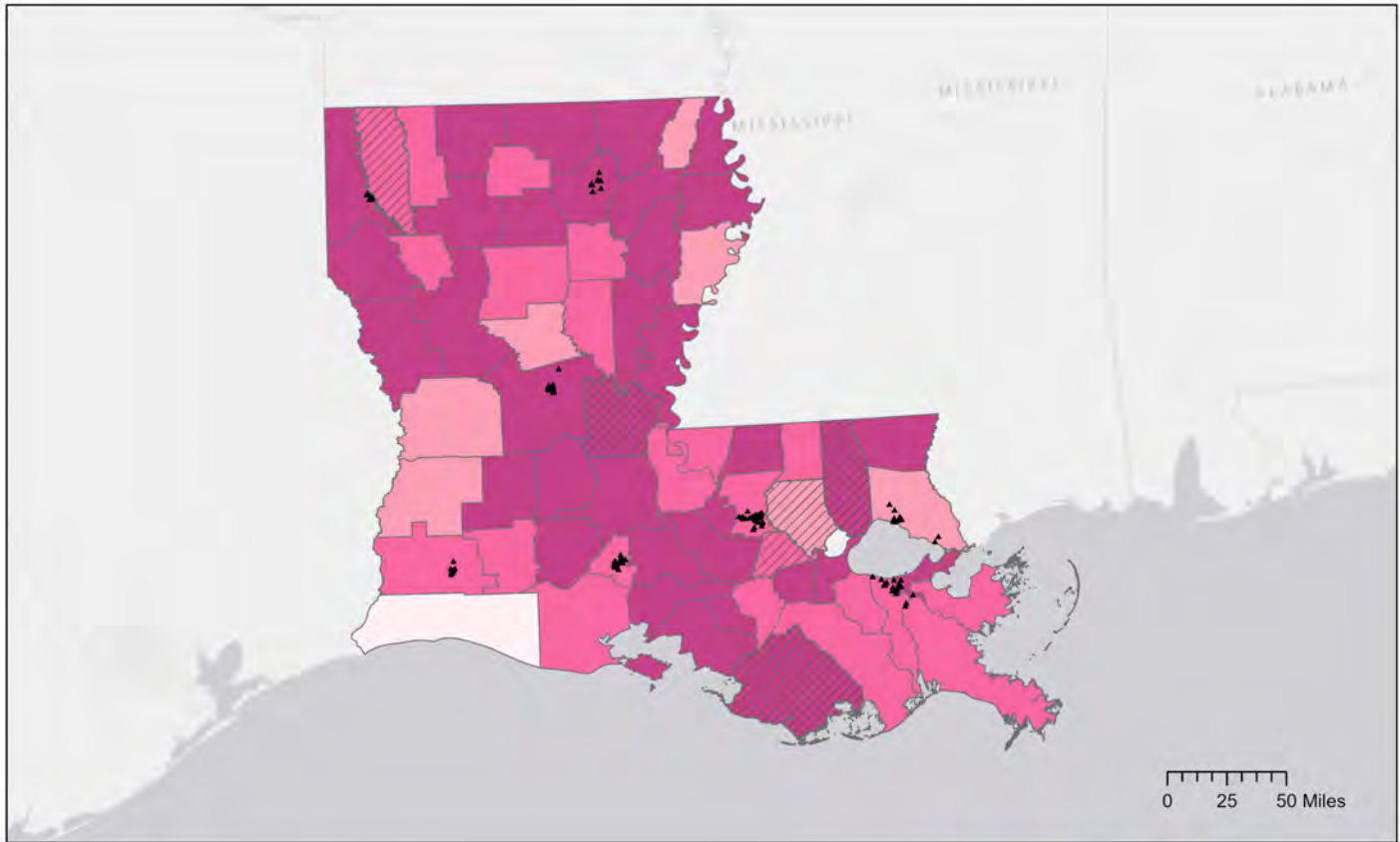
- ▲ Recovery residences
- Age-adjusted alcohol and drug mortality rate per 100,000 population
- 9 - 18
- 19 - 28
- 29 - 52
- 53 - 79
- Suppressed/Unreliable
- Counties with residence locations suppressed (1-4 residences) to protect privacy



Data Credits: Esri, HERE, GARMIN, USGS, EPA, NPS
 Recovery residence locations: 2020
 Created by: NSTARR Project (May 2022)



Figure 3. Distribution of Residences by COVID-19 Community Vulnerability Index



- ▲ Recovery Residences
- COVID-19 Community Vulnerability Index (CCVI)
- Very low vulnerability
- Low
- Moderate
- High
- Very high vulnerability
- Counties with residence locations suppressed (1-4 residences) to protect privacy



Data Credits: Esri, HERE, Garmin, USGS, EPA, NPS
 Recovery residence locations: 2020
 Created by: NSTARR Project (May 2022)





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Funding for this project was provided by the National Institute on Alcohol Abuse and Alcoholism at the National Institutes of Health under award R01AA027782 (PI: Mericle).

