

Figure 3: Distribution of Final Ranks

Final Ranks	Quintile Points	Vulnerability Level
1-23	1	
24-46	2	
47-69	3	
70-92	4	
93-115	5	More vulnerable

Figure 3 shows the distribution of the final ranks among five quintiles. In the Missouri vulnerability assessments, Taney County ranked 103 (5th quintile) for vulnerability to opioid overdoses. Taney County ranked 110 (5th quintile) for vulnerability to bloodborne infections. In the Missouri assessments, counties in the fifth quintile are considered to be more vulnerable. Please note that Figure 3 shows the distribution when no ties occur. When a tie occurs on a break point, a shift in the distribution may occur.

Figure 4 Missouri Opioid Overdose Vulnerability Assessment

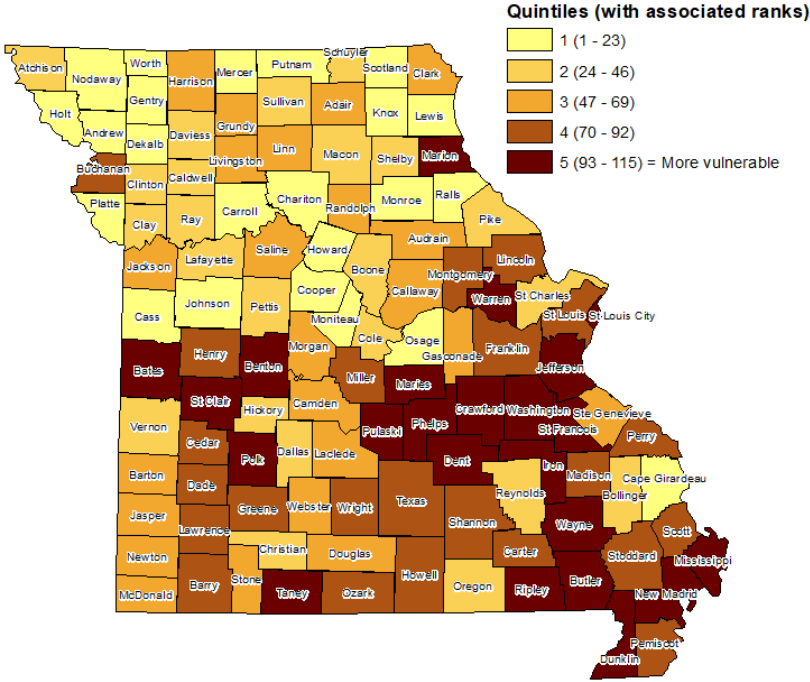


Figure 5: Individual Outcome Indicators

Opioid Overdose Vulnerability Assessment Indicators											
County	Count: Drug Overdose (OD) Deaths by Residence County	Rate: Drug OD Deaths by Residence County	Count: Drug OD Deaths by County of Record	Rate: Drug OD Deaths by County of Record	Count: Opioid Misuse ER Visits	Rate: Opioid Misuse ER Visits	Count: Opioid-related SUDT	Rate: Opioid-related SUDT	Count: Drug-related Arrests	Rate: Drug-related Arrests	Rate: Self-reported Frequent Poor Mental Health Days
Taney	32	19.4	29	17.6	258	1.6	115	207.7	439	793.1	14.7
Missouri	3,784	20.7	3,868	21.1	25,889	1.4	6,754	110.5	43,232	707.2	13.7

Figure 6
Missouri Bloodborne Infection
Vulnerability Assessment

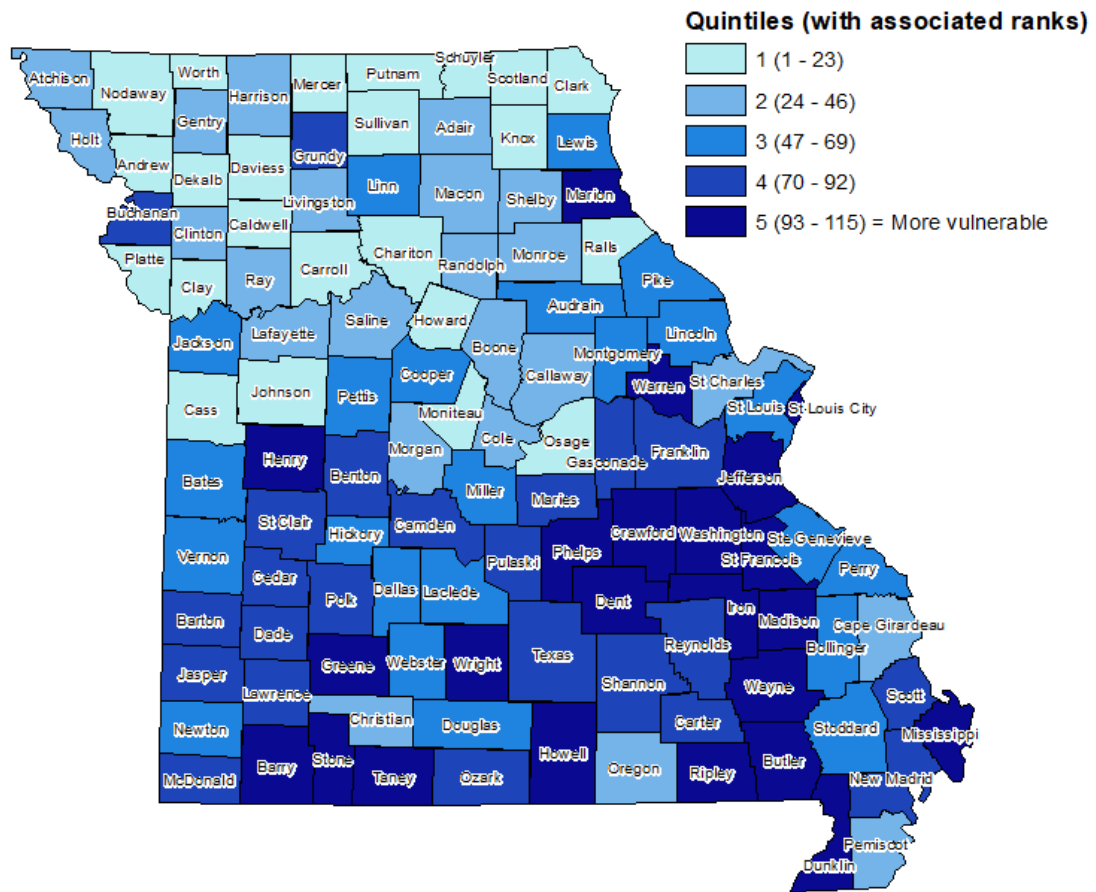


Figure 7: Individual Outcome Indicators

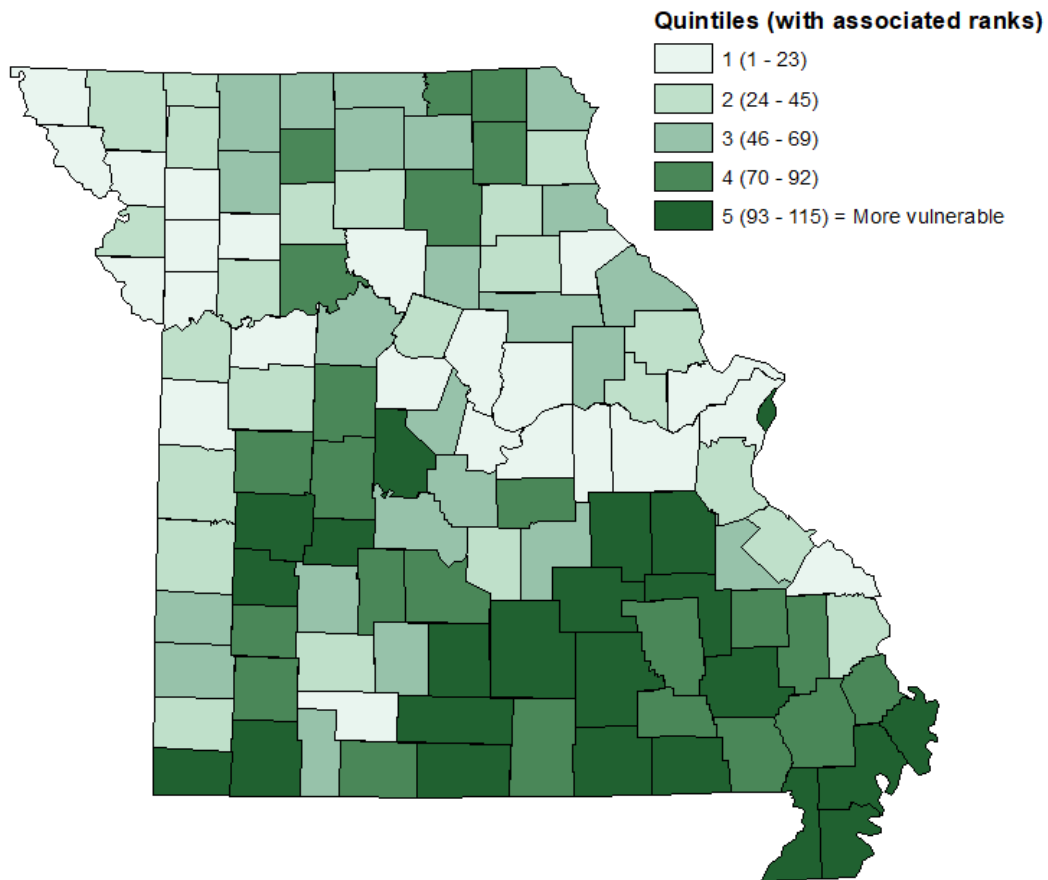
Bloodborne Infection Vulnerability Assessment Indicators														
County	Count: Drug OD Deaths by Residence County	Rate: Drug OD Deaths by Residence County	Count: Drug OD Deaths by County of Record	Rate: Drug OD Deaths by County of Record	Count: HIV, HBV, HCV	Rate: HIV, HBV, HCV	Count: HCV Among Ages 18 to 40	Rate: HCV Among Ages 18 to 40	Count: Opioid Misuse ER Visits	Rate: Opioid Misuse ER Visits	Count: IDU Among SUDT Recipients	Rate: IDU Among SUDT Recipients	Count: Drug-related Arrests	Rate: Drug-related Arrests
Taney	32	19.4	29	17.6	256	155.5	128	277.6	258	1.6	185	334.2	439	793.1
Missouri	3,784	20.7	3,868	21.1	17,628	96.4	5,532	100.0	25,889	1.4	6,958	113.8	43,232	707.2

Figure 8: Community Factors

Taney County			
ACS Data 2013-2017	Rate	Rank	Quintile
Lack of a High School Education	11.1%	28	2nd
Median Income	\$39,661	84	4th
Poverty	17.1%	58	3rd
Unemployment	6.3%	71	4th
Uninsured	18.7%	107	5th

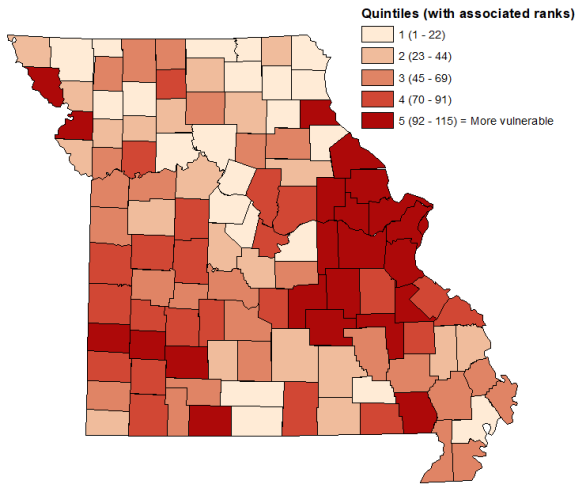
Social and economic factors within a community may impact available resources and influence vulnerability to opioid overdoses and bloodborne infections. Many of these indicators are interrelated. Data are from the U.S. Census Bureau's 2013-2017 American Community Survey (ACS).

**Figure 9
Community Factors
2013-2017**



Selected Individual Outcome Indicators

Figure 10
Opioid Misuse ER Visits
2015-2017



The 2015-2017 number of emergency room visits due to opioid misuse was 258, at a rate of 1.6 visits per 1,000 residents. This is rank 103 (5th quintile) for this indicator.

Taney County ranks 86 (4th quintile) on the 2015-2017 combined drug overdose death rate indicator. This indicator considers both the decedent’s county of residence and the decedent’s county of record, which can be considered a proxy for the location of death.

By county of residence, the 2015-2017 number of Taney County drug overdose deaths was 32, at a rate of 19.4 deaths per 100,000 population.

By county of record, the 2015-2017 number of Taney County drug overdose deaths was 29, at a rate of 17.6 deaths per 100,000 population.

Figure 11
Drug Overdose Death Ranks
County of Residence 2015-2017

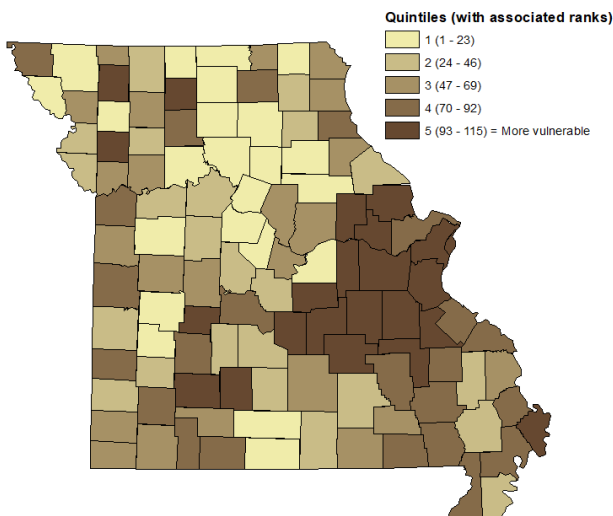
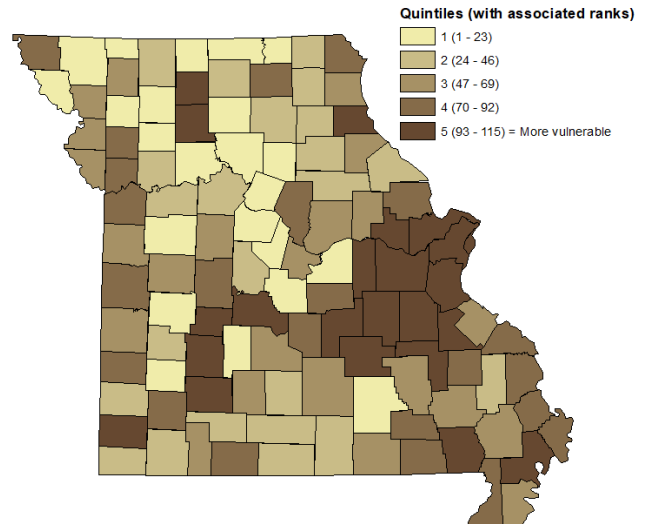


Figure 12
Drug Overdose Death Ranks
County of Record 2015-2017



New cases of reported bloodborne illnesses (acute and chronic hepatitis B virus (HBV), acute and chronic hepatitis C virus (HCV), and human immunodeficiency virus (HIV)) in Taney County totaled 256 for 2016-2018, at a rate of 155.5 cases per 100,000 residents. This is rank 111 (5th quintile) for bloodborne illnesses.

Per the Centers for Disease Control and Prevention (CDC), “adults under 40 have the highest rate of new infections, largely because of the opioid crisis.”[†] In Taney County, 128 new cases of acute and chronic HCV were identified among the 18- to 40-year-old age group in 2016-2018, for a rate of 277.6 cases per 100,000 residents. Taney County ranks 111 (5th quintile) for this indicator.

Figure 13
Bloodborne Illnesses
2016-2018

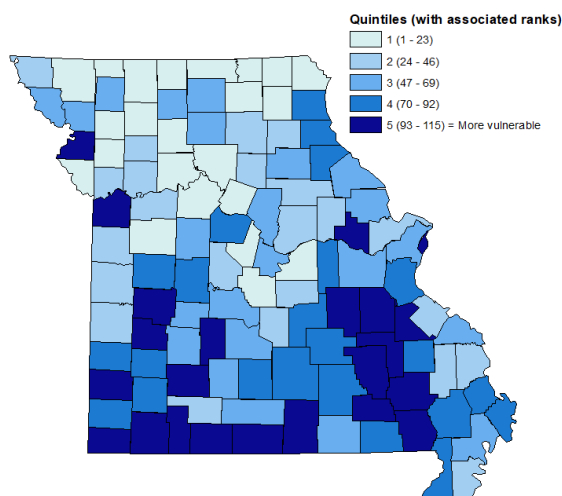
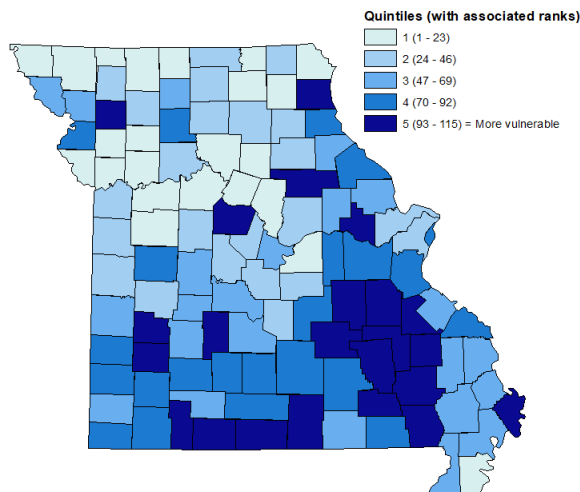


Figure 14
HCV Among Ages 18 to 40
2016-2018



Acute and chronic hepatitis C also significantly impact the 41- to 65-year-old age group. In 2016-2018, there were 103 new cases of acute and chronic hepatitis C identified in this age group, at a rate of 199.4 cases per 100,000 residents.

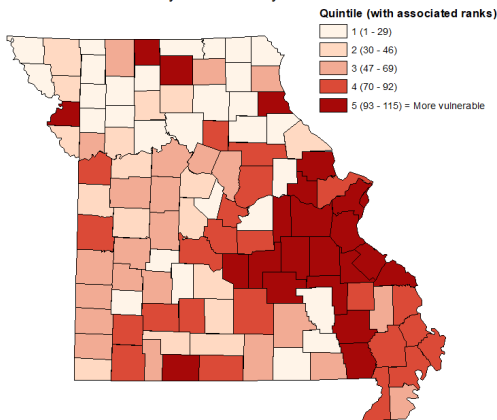
Out of 248 acute and chronic HCV cases in Taney County, 129 (52.0%) were male. For the cases in which race was identified, 7 (3.5%) were African American. However, please interpret race data for HCV with caution, as race was not identified in 50 (20.2%) of all 2016-2018 HCV cases in Taney County.

[†] Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. CDC Estimates Nearly 2.4 Million Americans Living with Hepatitis C. (November 6, 2018). Accessed October 8, 2019, from <https://www.cdc.gov/nchhstp/newsroom/2018/hepatitis-c-prevalence-estimates-press-release.html>.

AIDS = Acquired Immunodeficiency Syndrome
STD = Sexually Transmitted Disease
TB = Tuberculosis

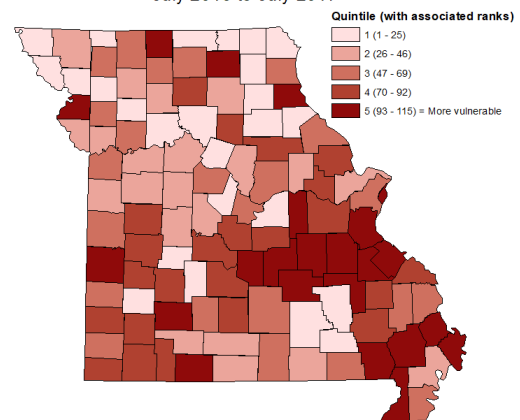
The number of people who received opioid-related substance use disorder treatment from July 1, 2016 to June 30, 2017 was 115, a rate of 207.7 persons per 100,000 population, placing this county in rank 110 (5th quintile). This indicator was used only in the opioid overdose vulnerability assessment.

Figure 15
Opioid-related Substance Use Disorder Treatment Admissions
July 2016 to July 2017



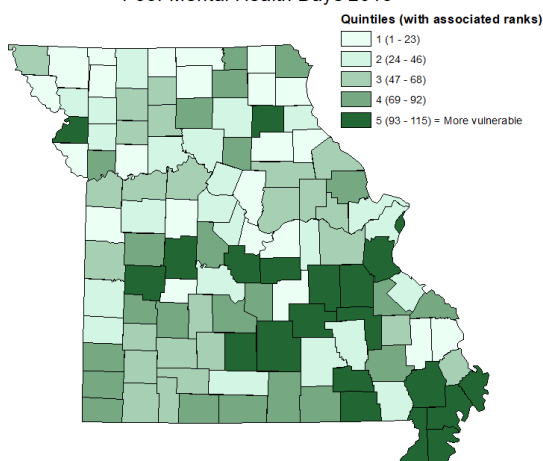
The number of persons receiving substance use disorder treatment and prior to treatment reported injecting drugs was 185, a rate of 334.2 persons per 100,000 population, placing this county in rank 115 (5th quintile). This indicator was used only in the bloodborne infection vulnerability assessment.

Figure 16
Injection Drug Use Among Persons Receiving Substance Use Disorder Treatment
July 2016 to July 2017



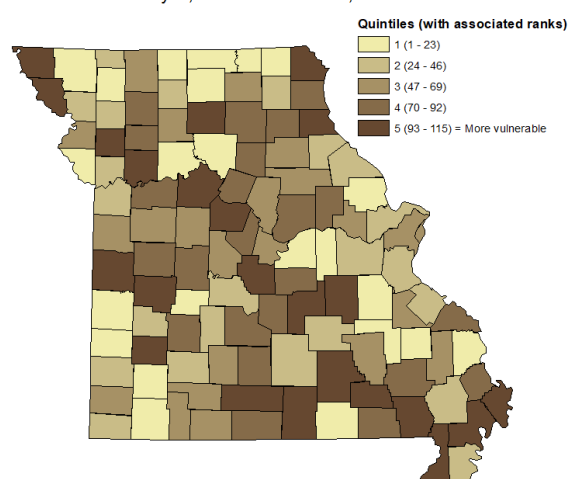
In 2016, 14.7 percent of Taney County adults 18 years of age or older reported more than 14 poor mental health days per month. This placed Taney County in rank 73 (4th quintile) for this indicator in the opioid overdose vulnerability assessment.

Figure 17
Self-reported (>14 Per Month) Poor Mental Health Days 2016



Between July 1, 2016 and June 30, 2017, a total of 439 drug-related arrests occurred in Taney County, a rate of 793.1 arrests per 100,000 population. Taney County ranks 62 (3rd quintile) for this indicator, which was used in both assessments.

Figure 18
Drug-related Arrests
July 1, 2016 to June 30, 2017



References

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- Drug-related Arrests: Missouri Department of Mental Health. Calculated from a data file of FY 2017 arrests (as of December 2018) provided by the Division of Behavioral Health on December 3, 2019, and population data from 2017. Rates reported per 100,000 population.
- Hepatitis C Virus (HCV) Among Ages 18 to 40: Missouri DHSS, BRDI. Calculated from 2017 WebSurv data and 2017 population data. Rates reported per 100,000 population.
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- Opioid-related Substance Use Disorder Treatment Admissions: Missouri Department of Mental Health. Calculated from FY 2017 Alcohol and Drug Use Treatment Data and 2017 population data. Rates reported per 100,000 population. Accessed March 9, 2020, from <https://seow.dmh.mo.gov/TREATMENTADA/TREATMENTADAIndicators.aspx?PATH=Indicators&SID=NEW>.
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- Population – Ethnicity: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates. B03003 Hispanic or Latino Origin. Accessed March 10, 2020, from American FactFinder at <https://factfinder.census.gov/>.
- Population – Race: U.S. Census Bureau. 2013-2017 American Community Survey 5-Year Estimates. B02001 Race. Accessed March 10, 2020, from American FactFinder at <https://factfinder.census.gov/>.
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