Missouri State Maps

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Introduction

- This document contains maps representing distribution of different indicators in Missouri

- The maps are categorized into following sections-
  - Past month use and ease of availability of alcohol, marijuana, prescription drugs, cigarettes, and e-cigarettes among youth
  - Substance use and mental health of adults
  - Consequences of substance use, and treatment admissions
  - Marijuana legalization
  - Prevention efforts

- Any two maps can be used to compare the indicators of choice.

Past-Month Substance Use & Ease of Availability among Missouri Youth

Substance use among youth (6 to 12 graders) is assessed by analyzing Missouri Student Survey. This publicly available data source provides substance use and mental health data which can be used for needs assessment, and planning interventions targeted for high-risk groups in the community.

Alcohol is the most widely used substance among this age group, according to 2020 survey cycle. The past-month use was more prevalent among females, Caucasians, and increases with increase in grade level.

The next five slides represents spatial distribution of past-month use and ease of availability of alcohol, marijuana, prescription drugs, cigarette, and e-cigarette in Missouri counties. These maps can be used to see how one substance is of concern in some counties and how easily is the substance available in those counties (as perceived by the youth).

ALCOHOL

Past-month Use

Ease of availability

Marijuana

Past-month Use

Ease of availability

PRESCRIPTION DRUGS
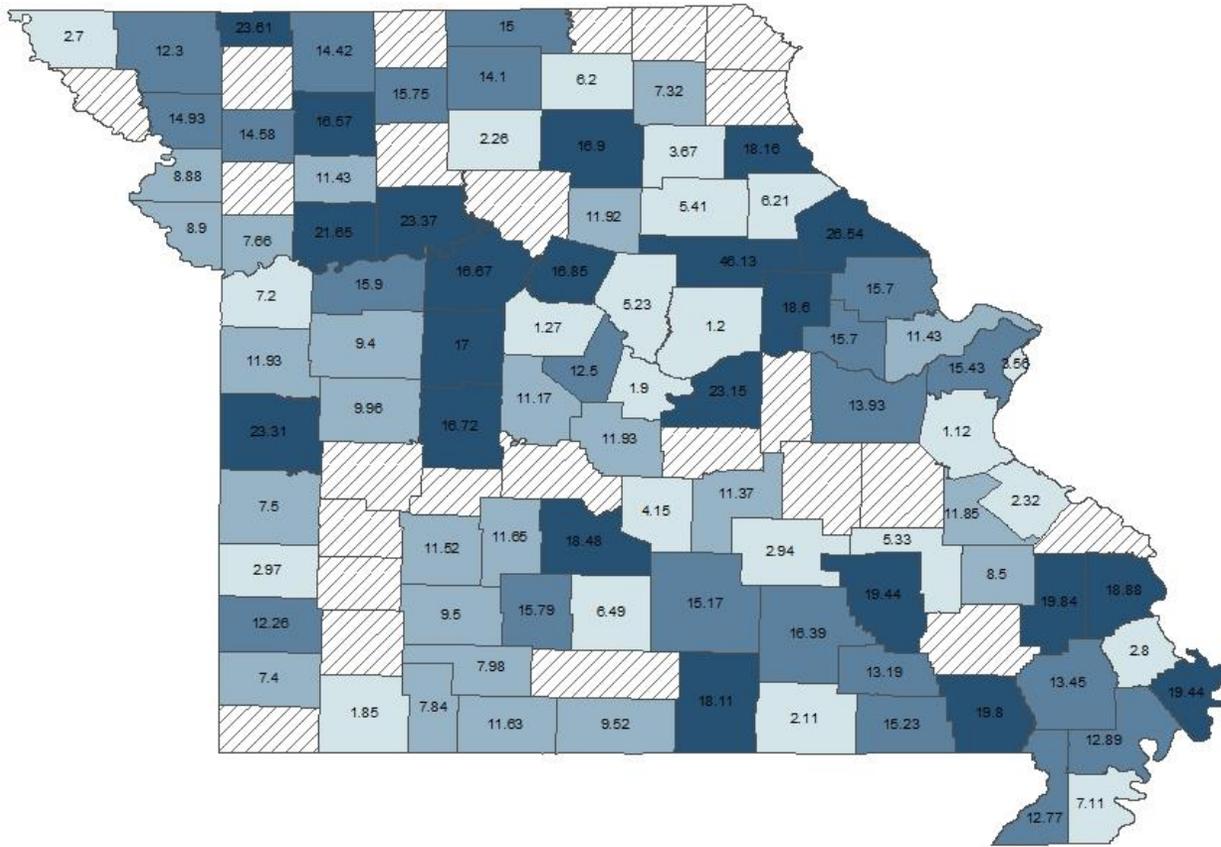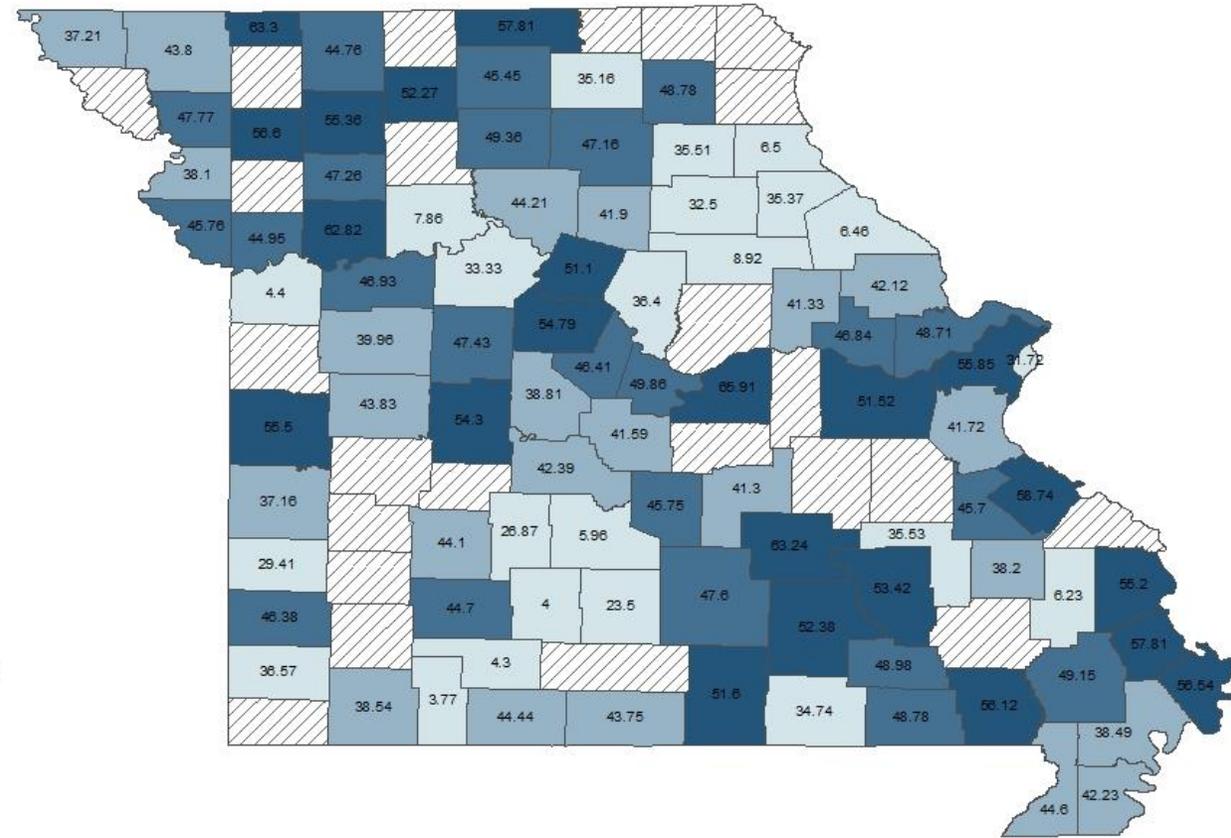
Past-month Use

Ease of availability

CIGARETTE
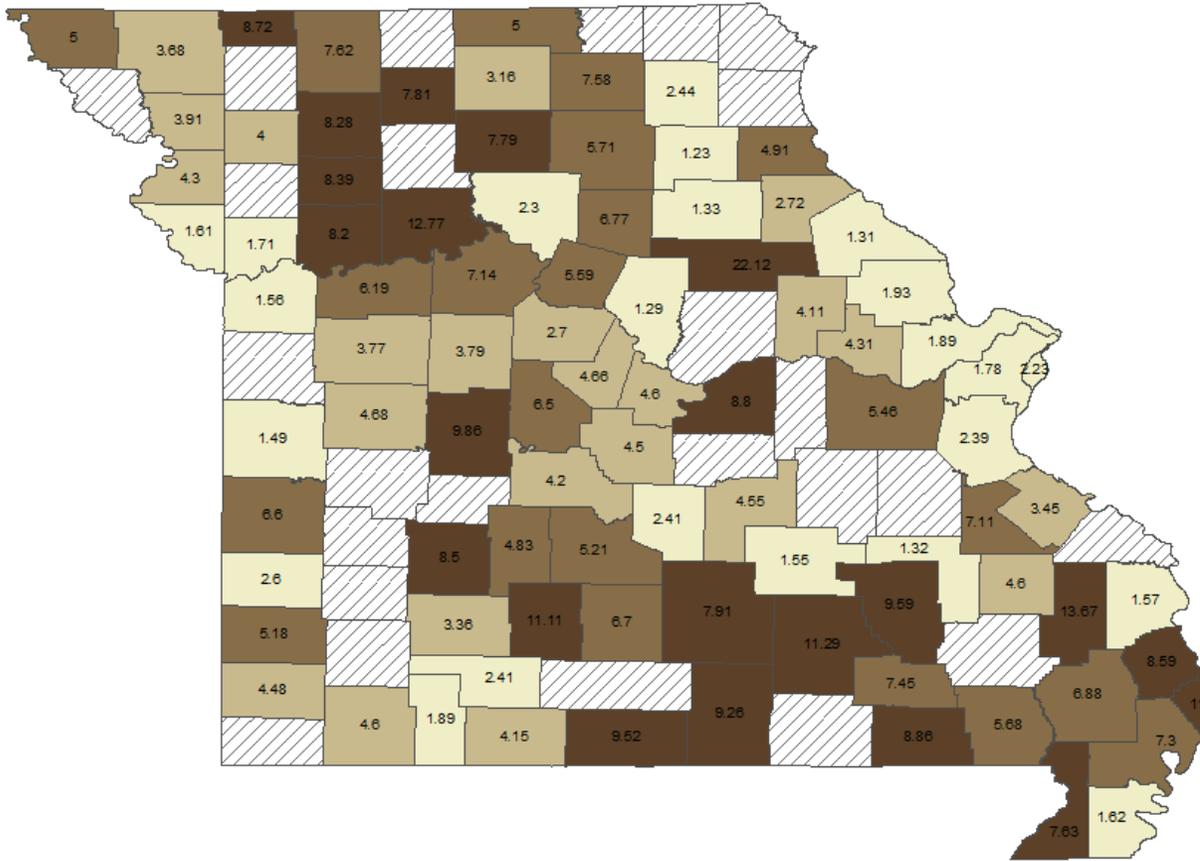
Past-month Use
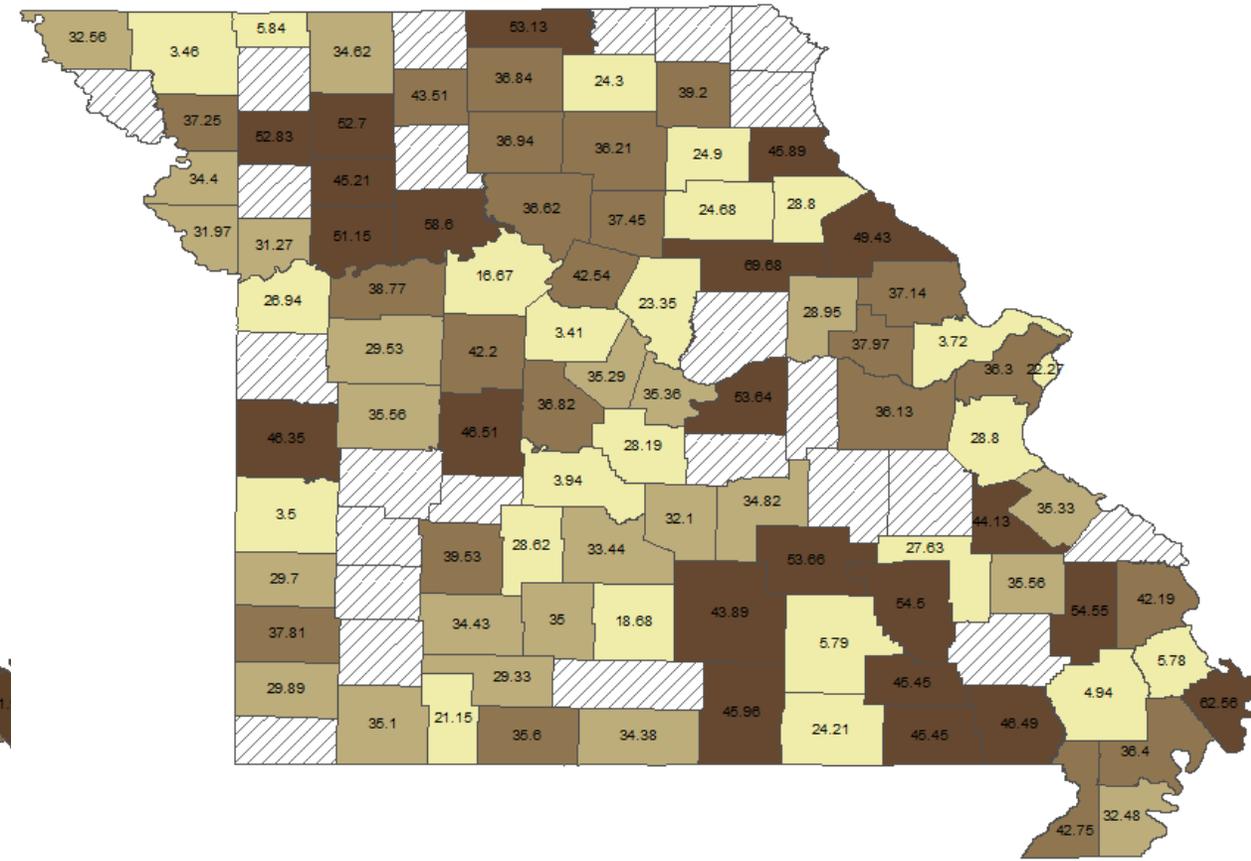
Ease of availability

E-CIGARETTE
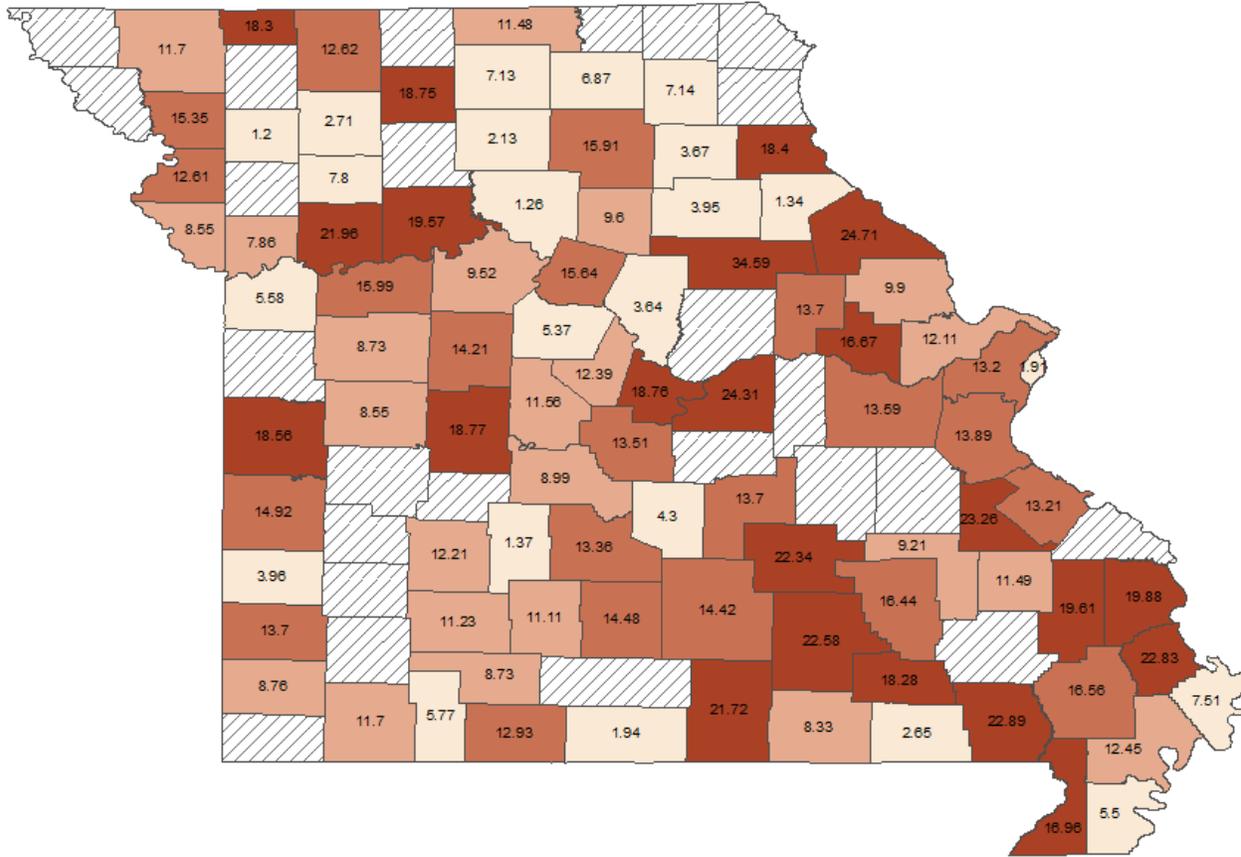
Past-month Use
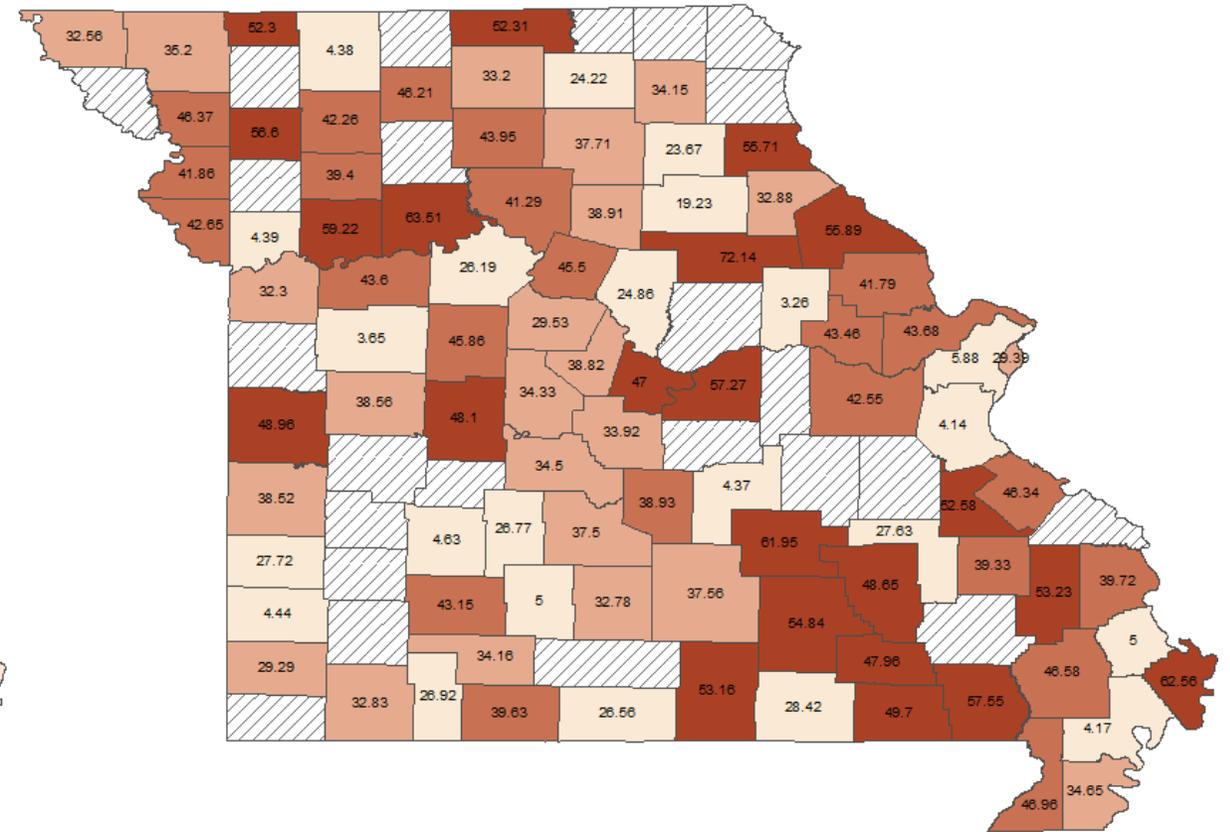
Ease of availability

# Substance Use & Mental Health Among Missouri Adults

Substance use among adults (>=18 years) across Missouri counties is assessed using CDC PLACES data. This publicly available data source helps to understand the burden and geographic distribution of health-related outcomes in areas and assist in planning public health interventions. This data can be used for needs assessment, and planning interventions targeted for high-risk groups in the community. The following indicators are reported from this data-

1. Binge drinking: Age-adjusted prevalence of binge drinking among adults aged >=18 years, 2019
2. Cigarette Smoking: Age-adjusted prevalence of current smoking among adults aged >=18 years, 2019
3. Mental Health not good: Age-adjusted prevalence of mental health not good for >=14 days among adults aged >=18 years, 2019
4. Depression: Age-adjusted prevalence of depression among adults aged >=18 years, 2019
5. Uninsured: Age-adjusted prevalence of current lack of health insurance among adults aged 18-64 years, 2019

Binge Drinking

Smoking

Mental health not good

Depression
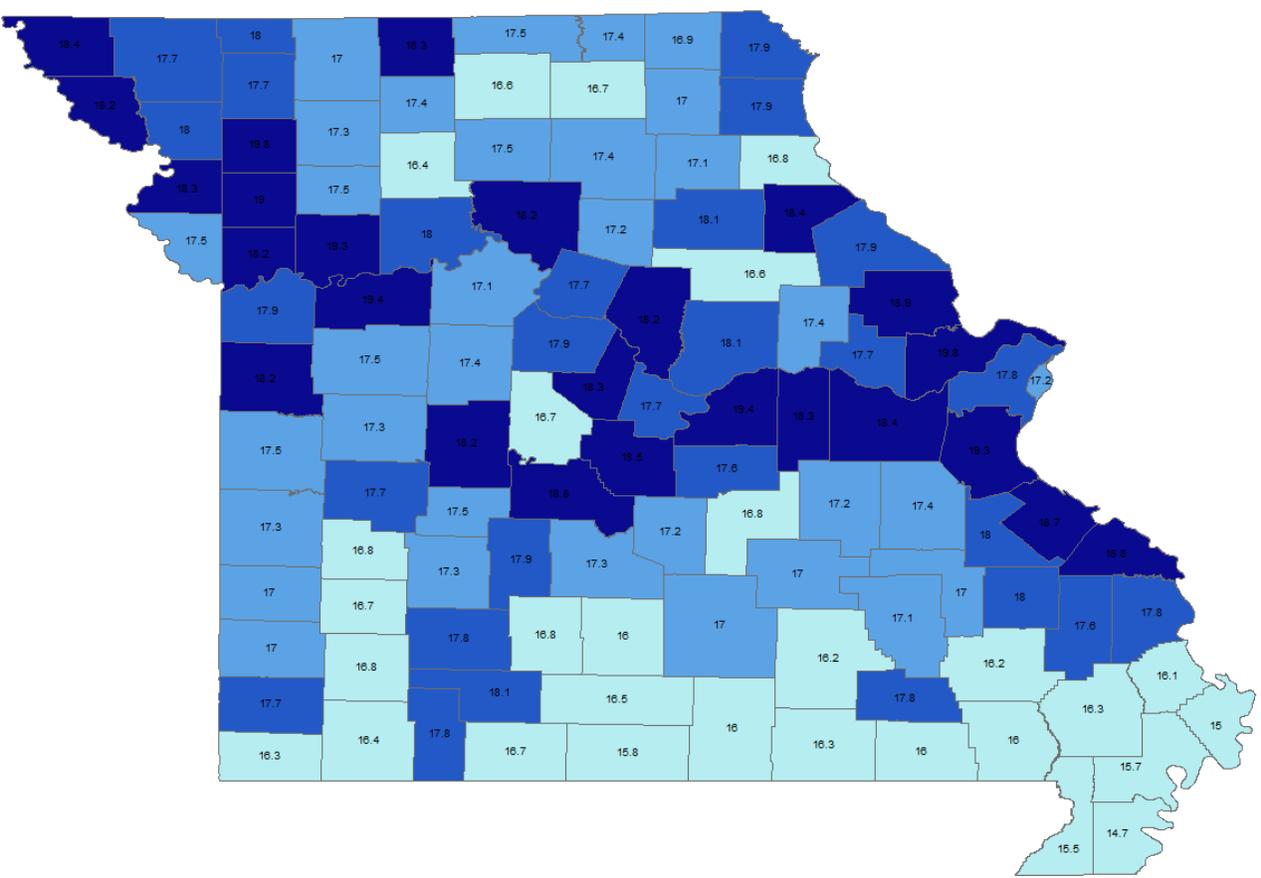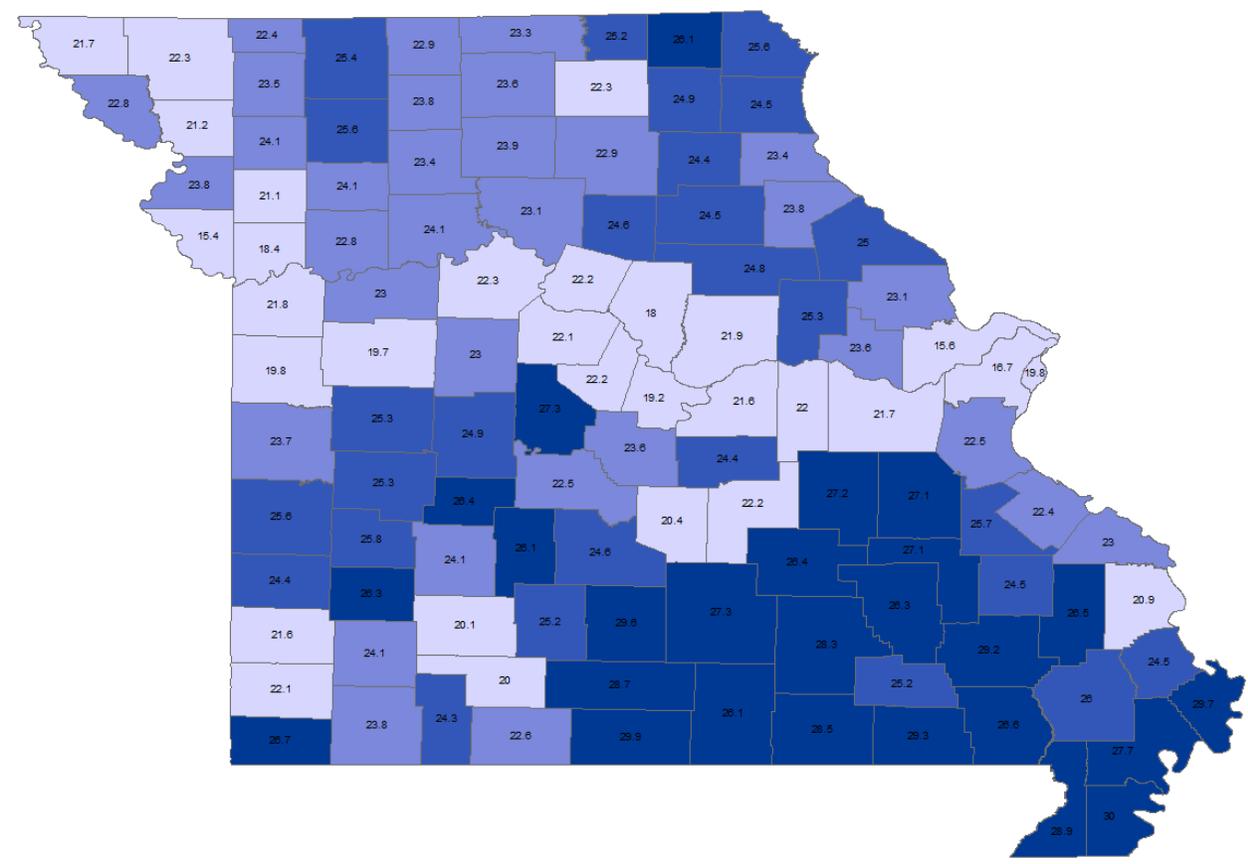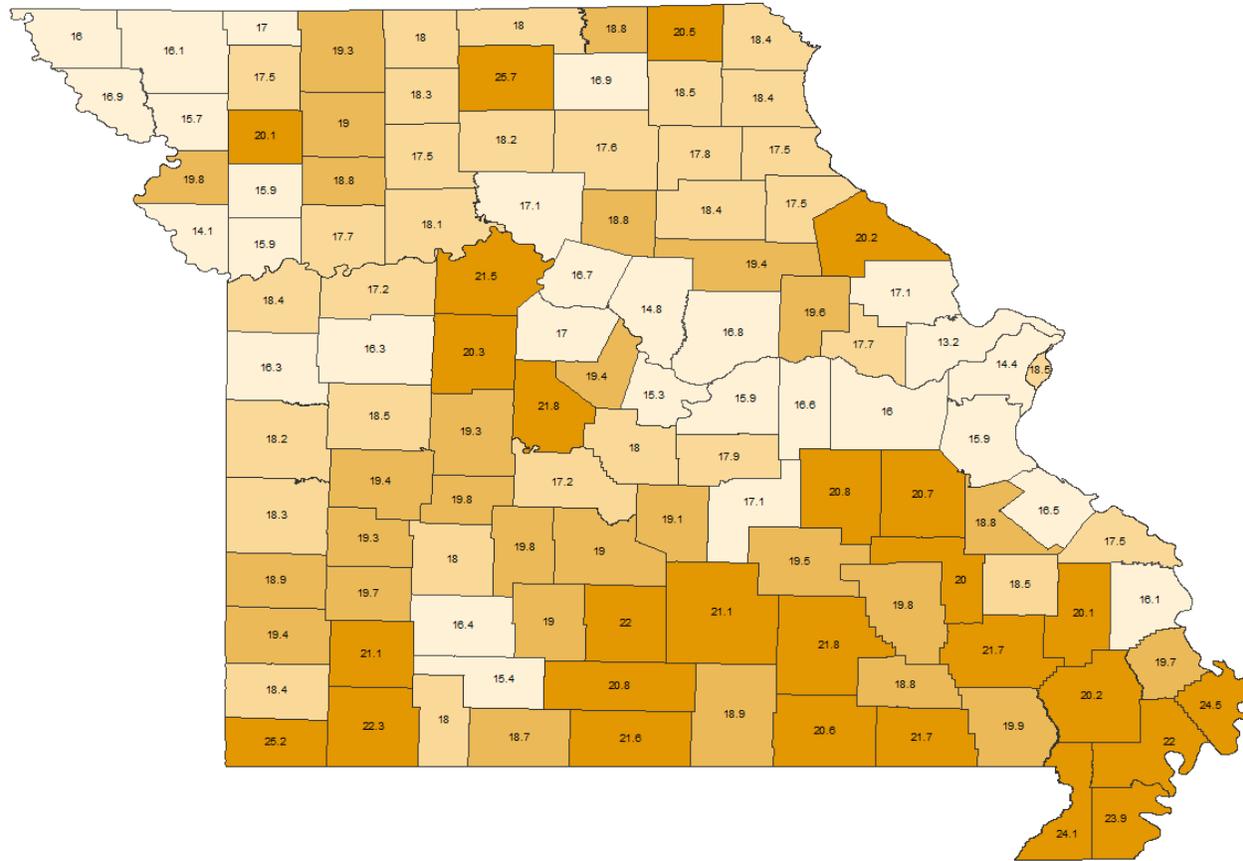
Uninsured

Consequences of substance use in Missouri

Alcohol and drug misuse can have a wide range of negative effects. It can affect health immediately (changes in heart rate and body temperature) and in long-term (heart, liver, and lung diseases, and impact mental health). Indirectly, there can be impaired judgment which may lead to traffic crashes. In this section, distribution of the following indicators are represented-

1. Total crash: Number of traffic crashes in Missouri by alcohol and drug impaired driver in 2019
2. Driving While Intoxicated (DWI) arrests: Arrests for driving under the influence of alcohol or drugs (DWI Tracking System) in 2019. It is calculated as rate per 10,000 population.
3. Substance use treatment admissions: Substance use treatment admissions for any substance in 2020. It is calculated as rate per 10,000 population ages 12 years and Older
4. Consumers Receiving Services for Mental Disorders in DMH Programs in 2020. It is calculated as rate per 10,000 population in 2020
5. Juvenile Court Referrals for Law Violations in 2020: Rate per 10,000 population under the age of 18 years
6. School Discipline Incidents involving alcohol

Total Crash

DWI
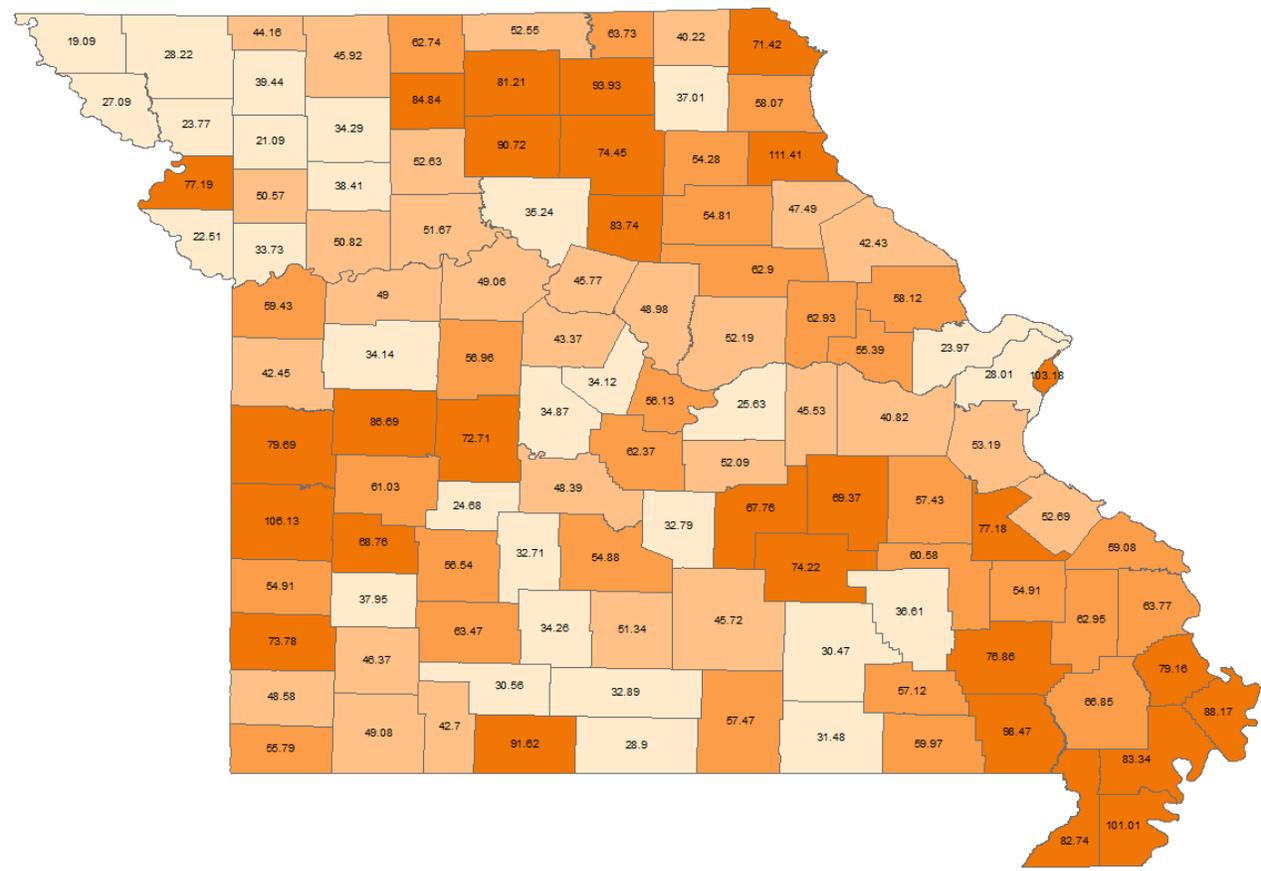
Substance use treatment admissions

Consumers Receiving Services for Mental Disorders in DMH Programs

Juvenile Court Referrals for Law Violations
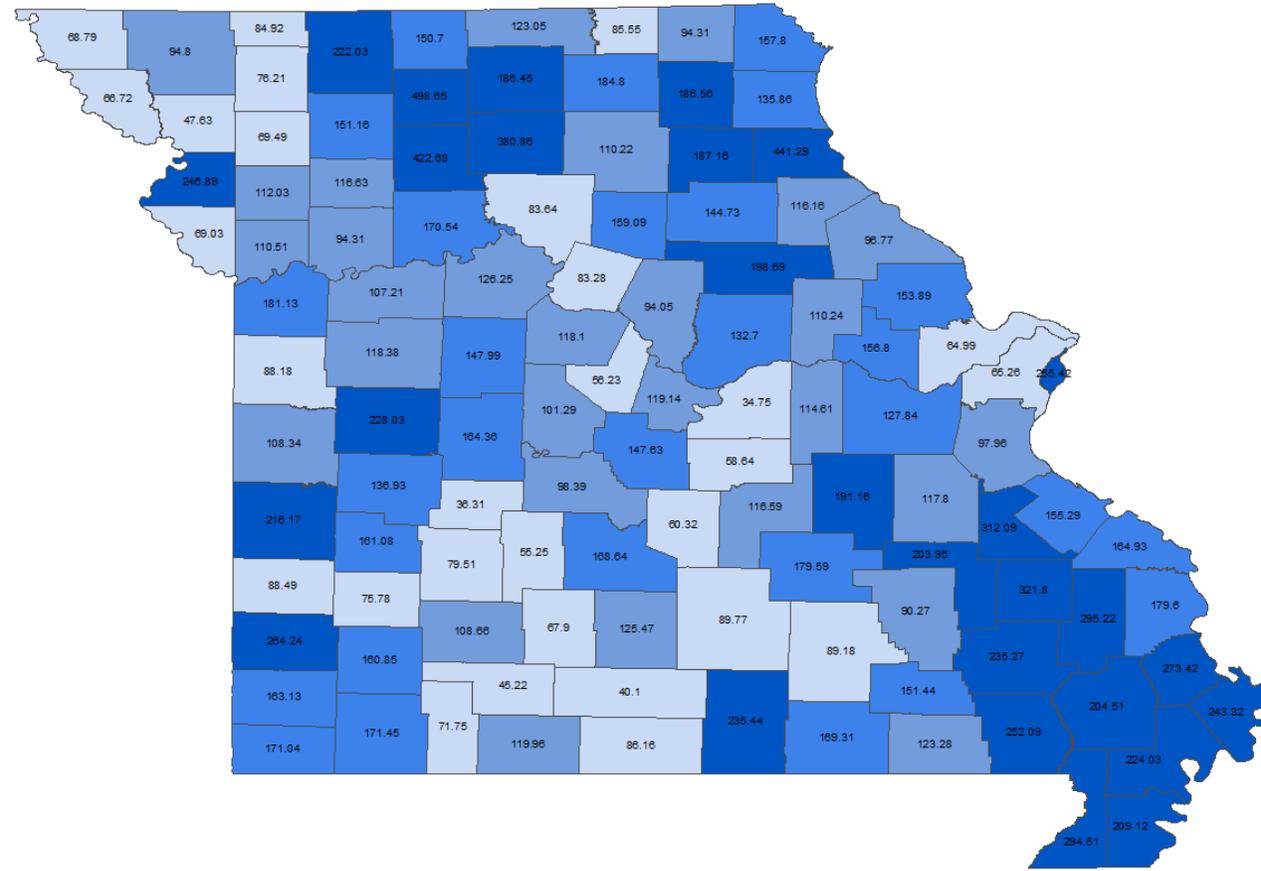
School Discipline Incidents

Marijuana picture in Missouri

Early in December 2021, initiatives have been taken by a group called Legal Missouri 2022 to legalize recreational or adult-use marijuana. If approved, Missouri would be next state to legalize marijuana for anyone aged 21 or older.

Marijuana was legalized for medical use in 2018 which means with a physician's recommendation, a patient may qualify for medical marijuana for various health-related issues. Marijuana dispensaries are now open all over the state. As of December 9, 2021, 179 dispensaries in Missouri were approved to operate. This data is provided by Missouri Department of Health and Human Services (click here). The map on next page shows marijuana dispensaries which have been approved and pending approval to operate in Missouri.
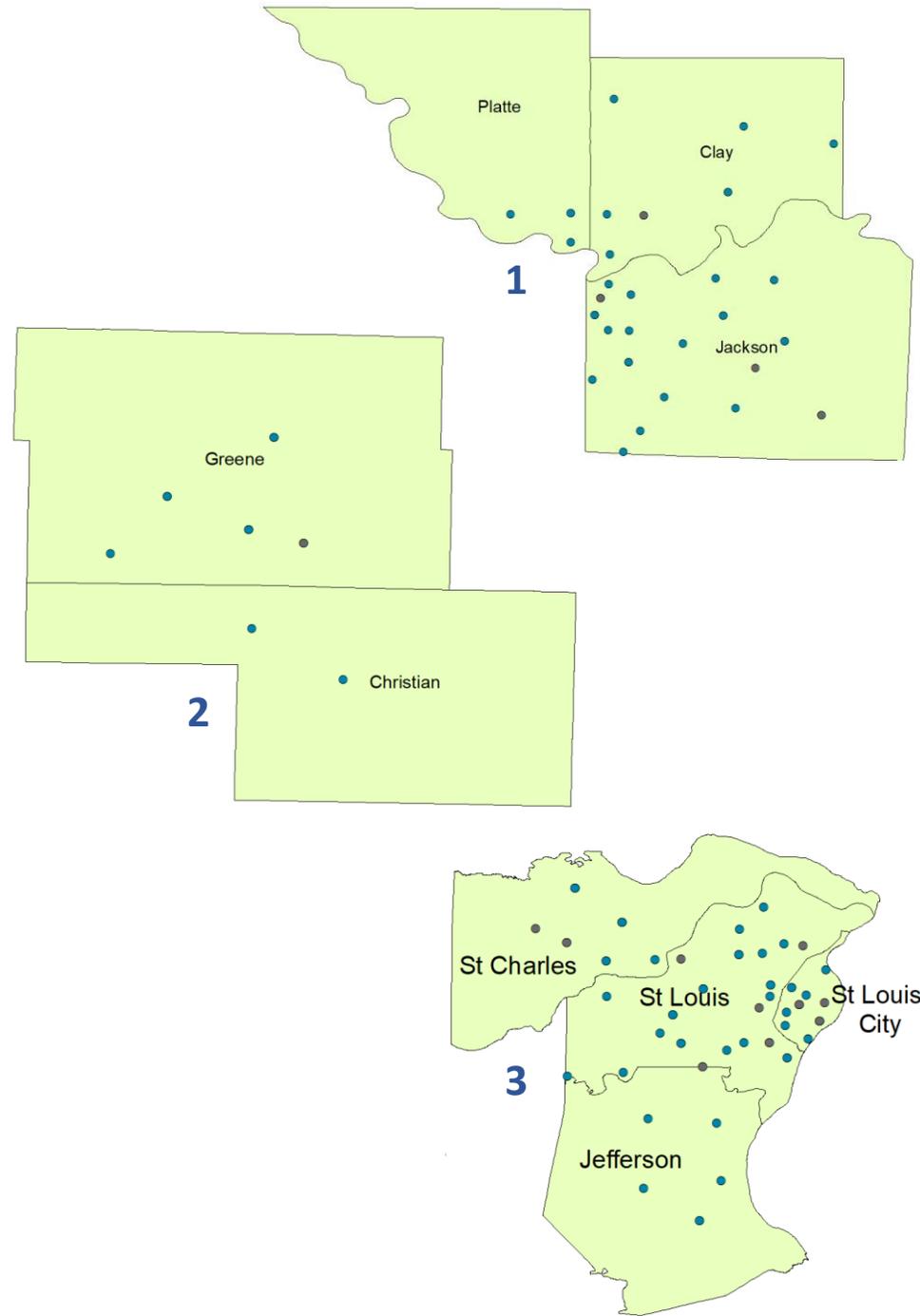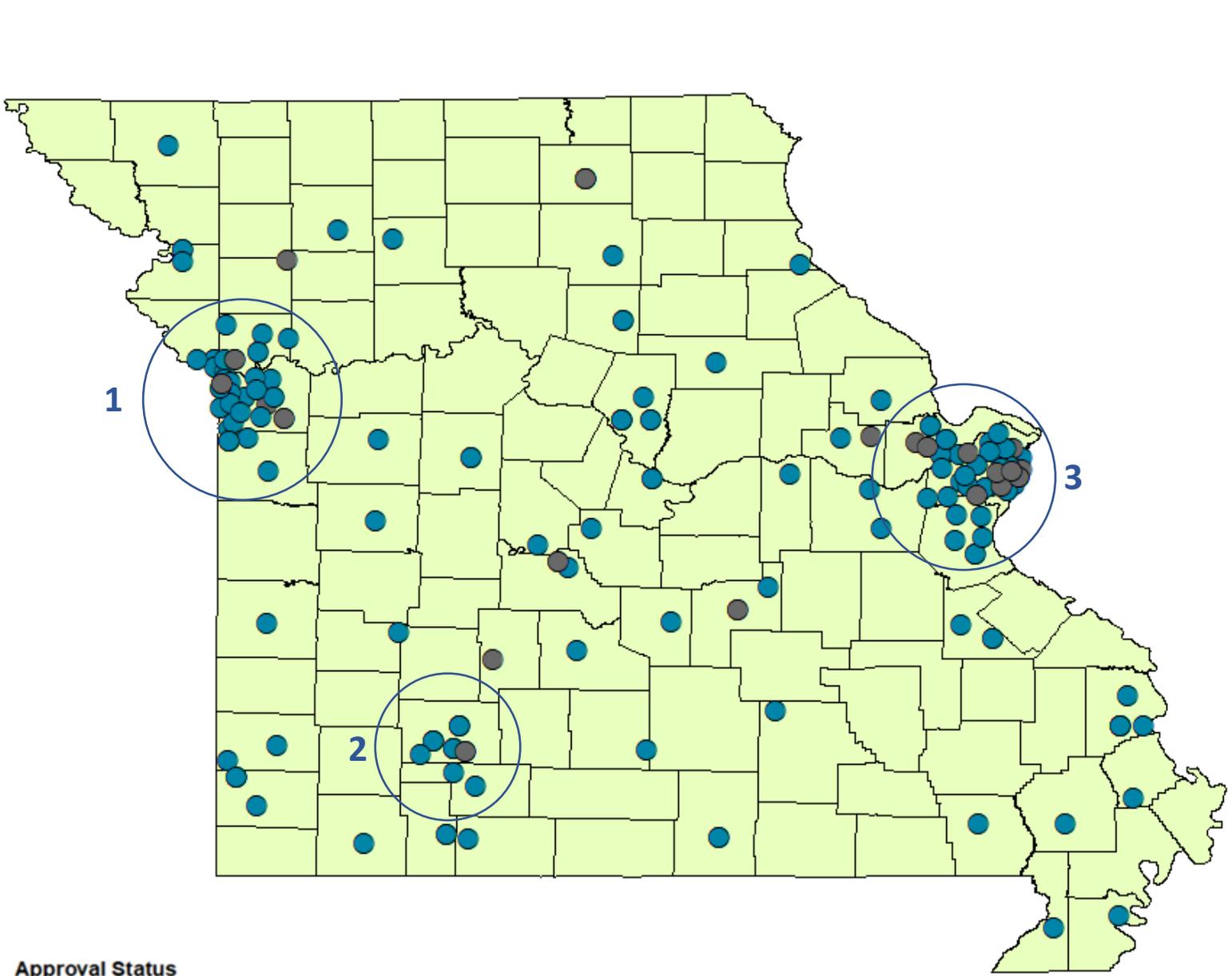
**Approval Status
of Marijuana Facilities**

⬤ Not Approved

⬤ Approved

Platte

Clay

Jackson

1

Greene

Christian

2

St Charles

St Louis

St Louis
City

Jefferson

3

As of December 2021; https://health.mo.gov/safety/medical-marijuana/licensed-facilities.php

Prevention efforts in Missouri

There are 10 Prevention Resource Centers (PRC) in Missouri which are prime source of providing technical assistance to prevention coalitions. Their goal is to develop teams to alter the substance use patterns in their communities. These PRCs and coalitions are working in their regions to build capacity and implement evidence-based interventions to prevent initiation and reduce the use. A detailed report on prevention efforts can be found [here](#).

The next few slides show the distribution of PRCs and coalitions in the state as well as the prevention interventions being implemented as of 04.21.2021. Of the 10 PRCs, 4 are subrecipients of state-wide SAMHSA's Partnership For Success (PFS) grant.

PREVENTION RESOURCE CENTERS
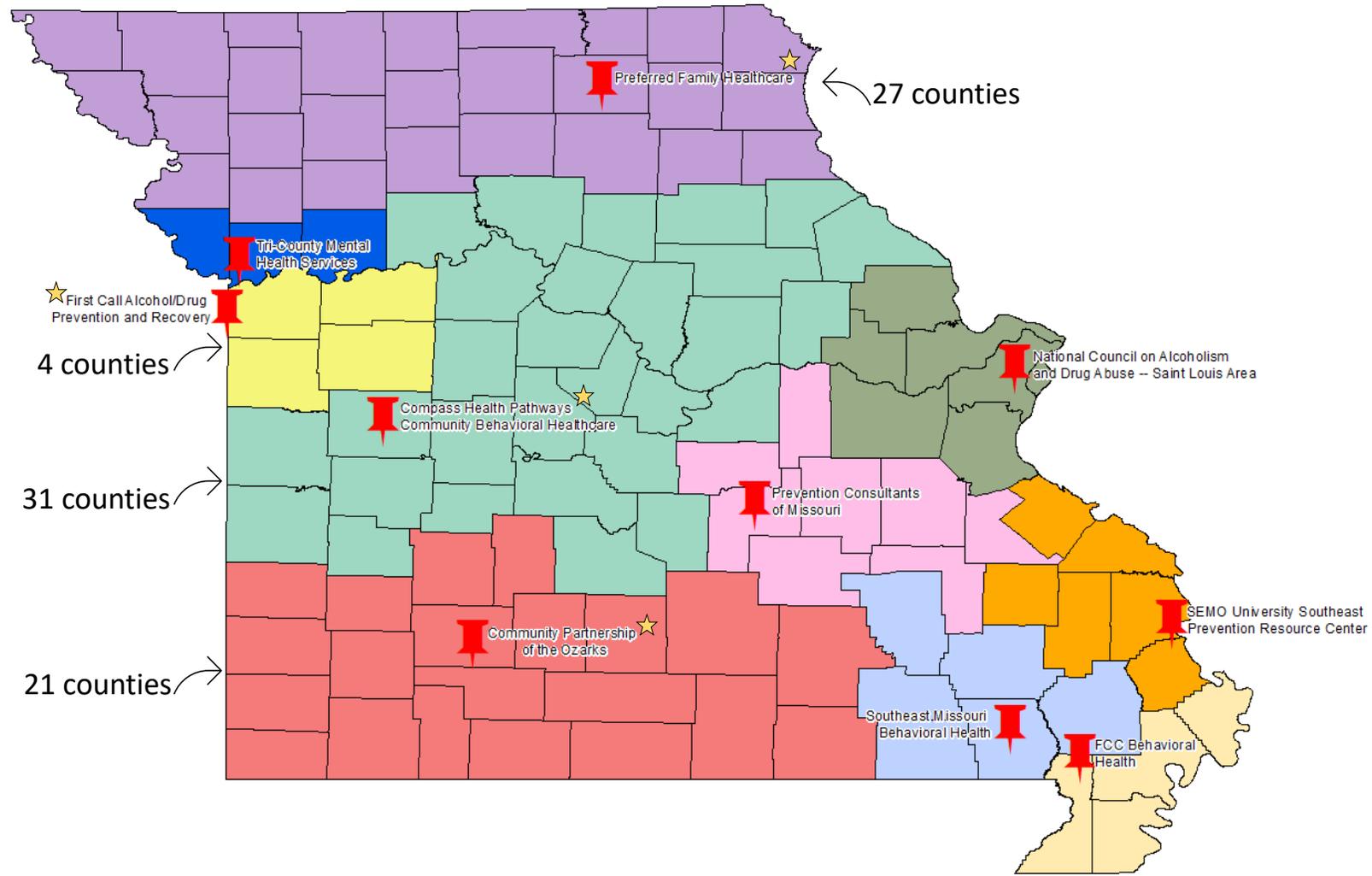
Of the 10 PRCs, 4 are subrecipients of state-wide SAMHSA's Partnership For Success (PFS) grant, covering 83 out of 115 counties of Missouri.

COALITIONS
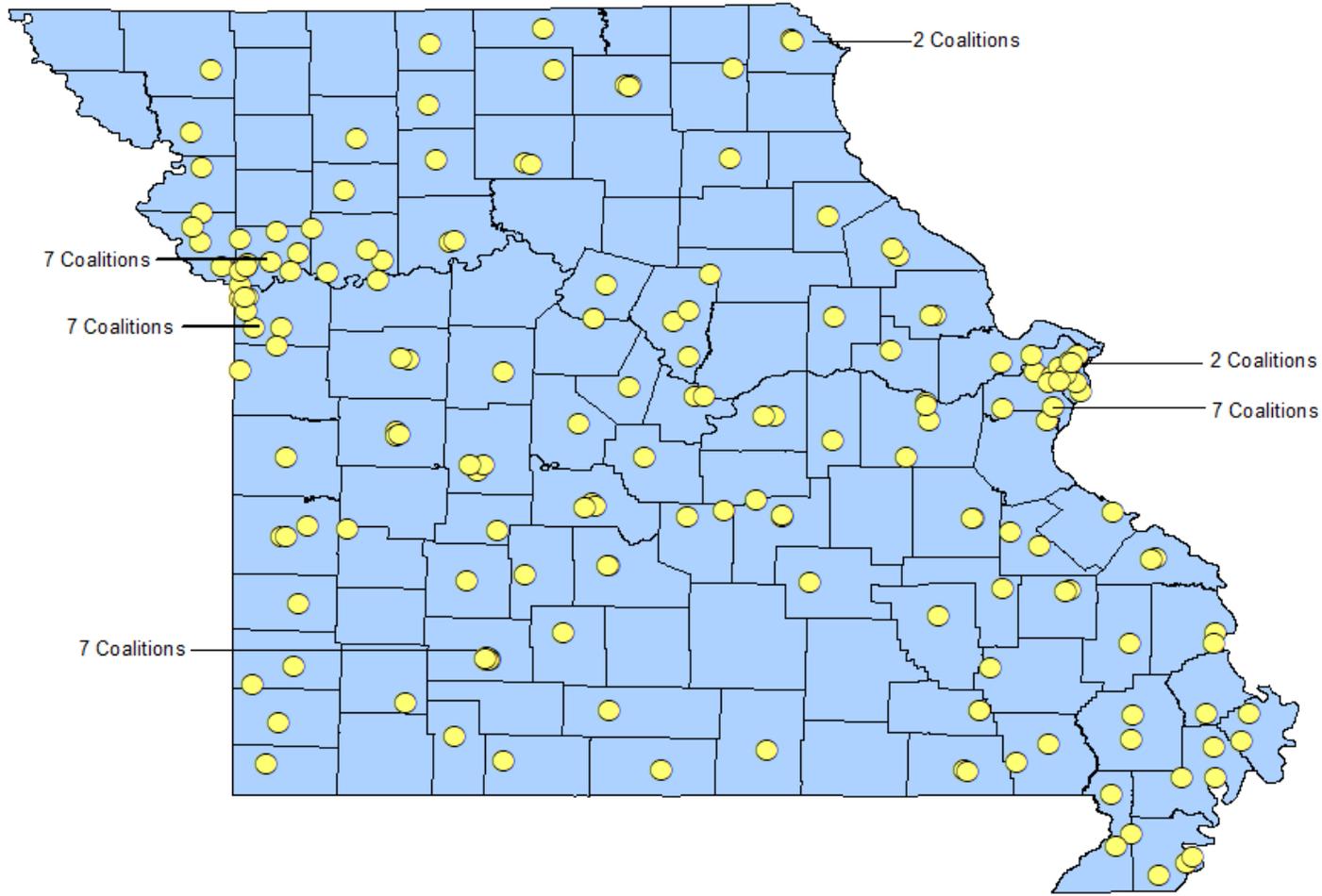
EVIDENCE BASED INTERVENTIONS IN PLACE
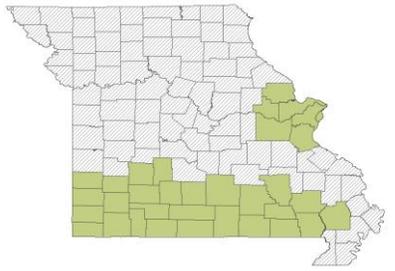
Gen Rx

GiudEd
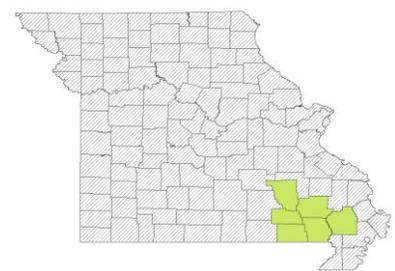
ID Scanners
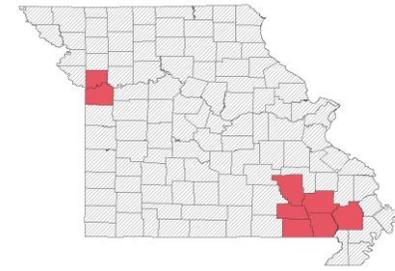
Lifeskills

Media Campaign
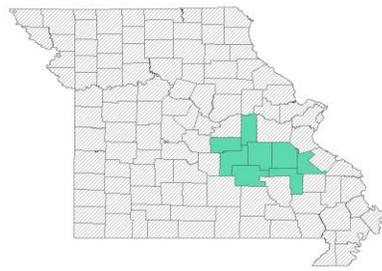
Mentoring makes a difference
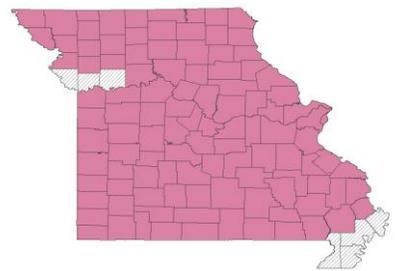
Mental Health First Aid

Mental Health First Aid- Teen

Mental Health First Aid- Youth

Parenting Now
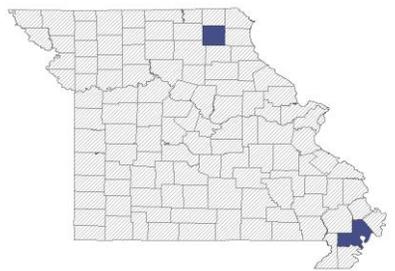
Peacebuilder
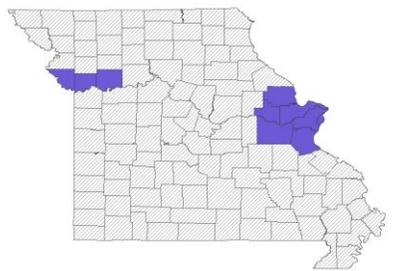
Project Sticker

Promote Drug Disposal

QPR
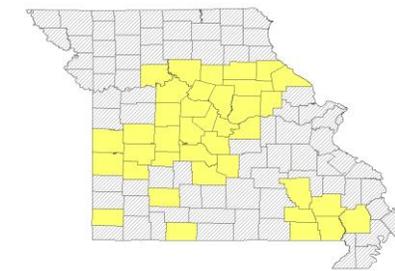
Responsible Beverage Service Training

Evidence-based prevention interventions being implemented in Missouri as of 04.21.2021
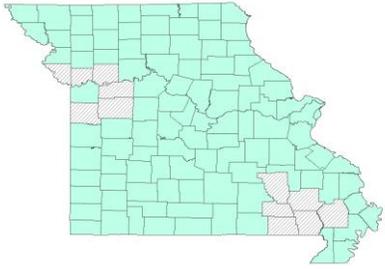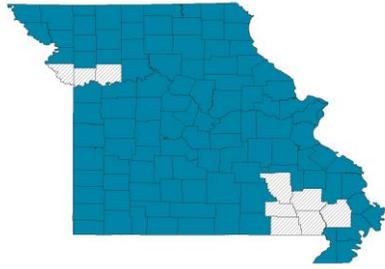
Search Trainings   SOS   Strategic Plan Framework   Sport Wellness   Sport 2
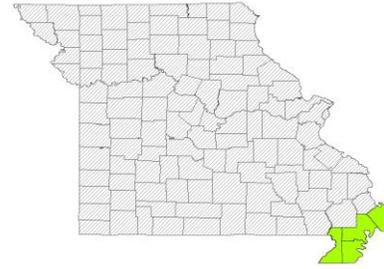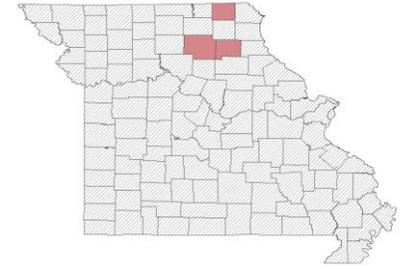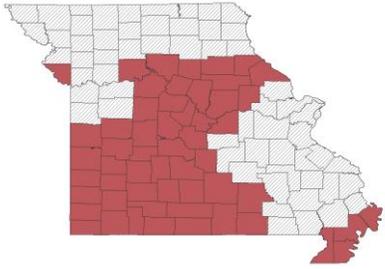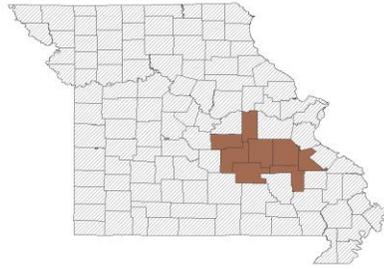
Teen Baseline   Teen Safety Matters   Too Good for Drugs   Towards No Drugs   Vaping Education
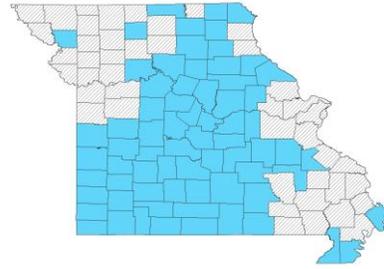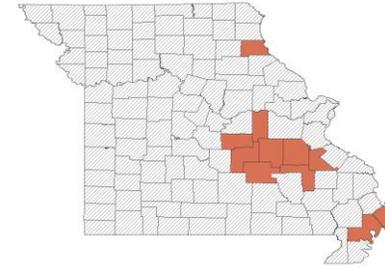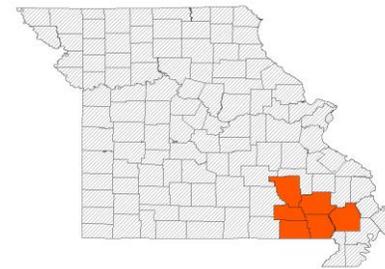
Stanford Tobacco Prevention