SOURCE
FOR SIOUXLAND

Empowering Our Community Through Comprehensive Strategies.
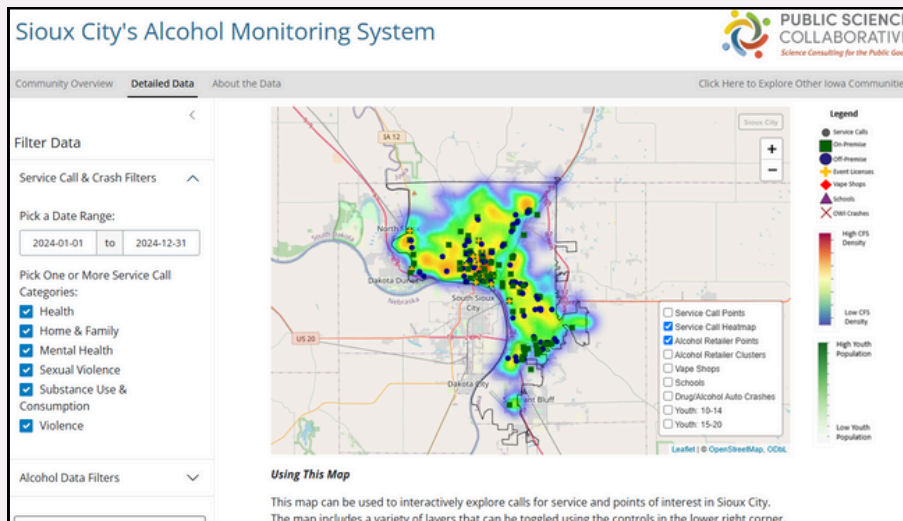
DATA FEATURE

Source Feature: **Public Science Collaborative**

SERVICE CALL CATEGORIES

The service call categories include several types of incidents. Substance Use & Consumption covers calls related to alcohol and drug use, including overdoses, OWIs, and public intoxication. Health includes welfare checks, injuries, and various medical emergencies. Home & Family covers juvenile issues, abductions, and cases of abuse or neglect. Mental Health involves suicide attempts and responses to potential mental health symptoms. Sexual Violence includes calls for sexual assault and indecent exposure, while Violence covers assaults, fights, shootings, and stabbings.

SOURCES

The Sioux City Police Department provided reactive service call data for January to December 2024, while the Iowa Department of Revenue supplied alcohol license data via its public eLAPS search. Vape shop locations were identified using the Google Maps Places API. School information was sourced from the Iowa Department of Education, with manual verification. The Iowa Department of Transportation contributed substance-related crash data, and youth population figures came from the American Community Survey via the Census API.

WEBSITE OVERVIEW

The Sioux City Alcohol Monitoring System, developed by the Public Science Collaborative in partnership with Siouxland CARES and the Sioux City Police Department, is an interactive tool designed to visualize and analyze alcohol-related data. The dashboard displays information on alcohol retailers, service calls, youth populations, vape shops, and OWI-related crashes. It provides detailed maps, charts, and filters, allowing users to explore patterns by time, location, and category, making it a valuable resource for policymakers, law enforcement, and community organizations.

Users can explore 157 alcohol retailer locations, identify high-risk areas for substance-related incidents, and view service call data by category, including 968 substance use calls, 1,002 mental health calls, and 1,289 violence-related calls in 2024. The dashboard also tracks youth population density and the proximity of alcohol and vape retailers to schools, helping identify areas of concern for underage drinking prevention efforts.

The system's OWI crash mapping feature pinpoints locations of operating while intoxicated incidents, helping law enforcement and policymakers recognize patterns and create targeted interventions. Its filtering options allow users to view data by day, location, and incident type, making it a powerful tool for data-driven decision-making.

Additionally, the dashboard supports coalition-building and community engagement by providing accessible, real-time data that helps organizations collaborate on prevention efforts. By visualizing trends and identifying problem areas, the system enables local coalitions, public health officials, and policymakers to develop evidence-based strategies to enhance public safety and reduce alcohol-related harm in Sioux City.

Website Link: https://publicsciencecollaborative.shinyapps.io/sioux_city_stop/
For More Info or To Make A Request: **publicassist@iastate.edu** or **kvansel@iastate.edu**

ABOUT US

Source For Siouxland is a collaborative, strategic community planning initiative for a vibrant, safe, and healthy Siouxland. We measure the Economic Stability, Education, Health, Safety, and Quality of Life of the Siouxland Area in order to identify opportunities to build a stronger and more engaged community, prioritize the opportunities, and lead collective impact teams that will improve community outcomes.

INFORMATION BROUGHT TO YOU BY THE SFS LEADERSHIP TEAM:

Catholic Charities· Great Plains ToP· Growing Community Connections· Helios Foundation· One Siouxland· SHIP· Siouxland CARES· Siouxland Community Foundation· Siouxland District Health Department· United Way of Siouxland

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