



MISSOURI
POISON CENTER

GROWING WITH MISSOURI'S NEEDS

2022
ANNUAL REPORT



Missouri's needs are growing—and so is our response. In 2022, the Missouri Poison Center implemented some of the nation's most innovative programs. Answering the call to help. Meeting people where they are. Lifting up individuals and communities with lifesaving outreach, programs and services. We are committed to advancements in technology, communication, education and partnerships. We are driven by a pioneering spirit of excellence. We are here for Missouri, last year, this year and all the years to come.

NATIONAL LEADERSHIP. LOCAL ACTION.

In 2022, we furthered our dedication to education, prevention and care with a number of inventive, effective endeavors.

First Chat Program

We assisted in implementing the country's first nationwide chat program for America's Poison Centers, an association of 55 poison centers that sets national quality standards for poison-related data, advice and care.

First TikTok Outreach

We were the first poison center in the U.S. to use TikTok videos to educate younger generations about a variety of toxicity issues.

Omnichannel Communications

We were among the first poison centers to offer a variety of ways for people to reach us, including phone, text, webchat, and social media messenger apps.

International Training Class

We developed a series of international classes to help other poison center specialists prep for the Certified Specialist in Poison Information (CSPI) exam.

Chair Position for America's Poison Centers

Amanda Ruback, Community Outreach Coordinator of the Missouri Poison Center served (and continues to serve) as Chair of the Poison Help committee for America's Poison Centers. This committee spearheads a crucial online Poison Help tool.

Community Partnerships

We increased our work with substance use prevention coalitions throughout the state, including sharing data about cannabis exposure in children under five.

Trend Monitoring

We monitored trends in our communities, such as child melatonin and cannabis exposure, and opioid, CBD and Delta 8 use.

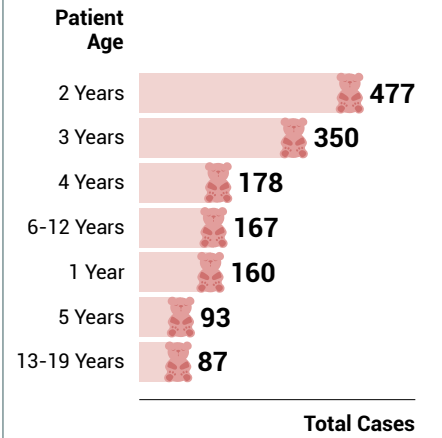
ON THE PULSE OF THE COMMUNITY.

Throughout our six-decade history, we have worked to reduce harm from poisons, cleaners, chemicals, venom, gasses, substance abuse and overdoses. In addition to safeguarding the health of Missourians with 24/7 access to free, fast, confidential help, we also keep our fingers on the pulse of our communities to ensure that we're at the leading edge of emerging concerns, such as melatonin exposure in children. In addition, we work with medical professionals and healthcare systems to help ensure the health of the public. From near and far, for individuals and communities, we're here for Missouri. We're here for good.

MELATONIN EXPOSURE IN CHILDREN: NOT AN ISSUE TO SLEEP ON.

Young children are increasingly exposed to melatonin. Some access the synthetic hormone via non-child-resistant packaging. Others receive it from their parents, who use it to not only address their children's insomnia, but also to reduce the effects of excess screentime. The Missouri Poison Center evaluates and triages melatonin exposure to further the wellbeing of those exposed and to reduce costly, unnecessary emergency department visits.

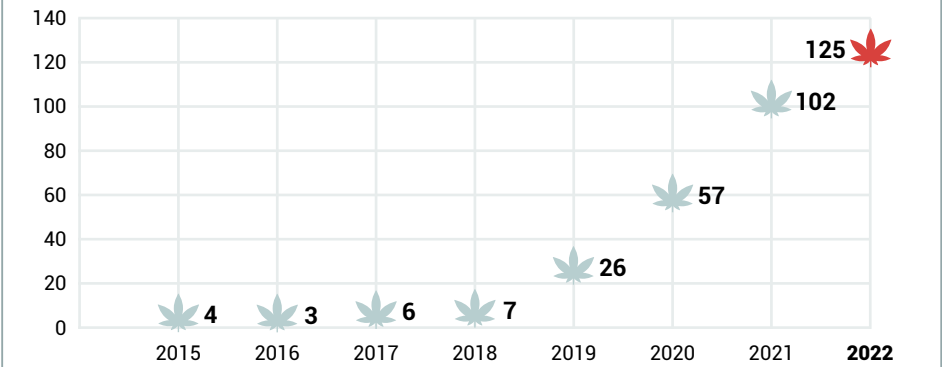
2022 Melatonin Cases



CANNABIS: WEEDING OUT THE RISK.

Increased medical and recreational use of cannabis has resulted in increased exposure to children, especially among those who are three and under. Most exposure incidents involve edible products, such as candy, chocolate or cookies. Because edibles are packaged with multiple doses per pack, children tend to eat large quantities. With cannabis use on the rise, we expect more exposures to children unless changes to the products' storage, packaging and attractiveness to children are made. The Missouri Poison Center provides non-judgmental, medically sound information about exposure risks and actions to be taken.

Cannabis Exposures in Children 5 Years and Younger



ANSWERING THE CALL.

We answer all poison-related concerns, whether or not there's an emergency, in 150 languages and for the hearing impaired at 1-800-222-1222.



Case Type



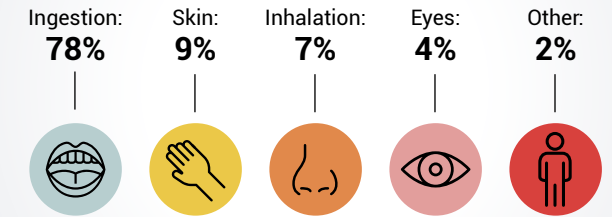
Exposures:
54,218



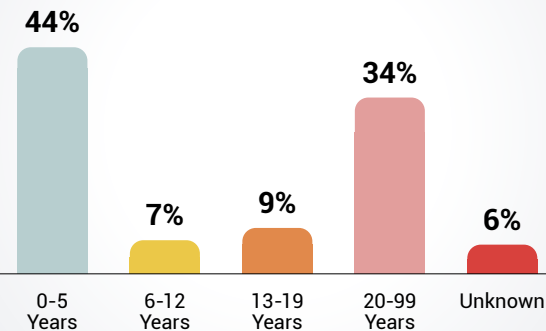
Information:
4,770

Total Cases: **58,988**

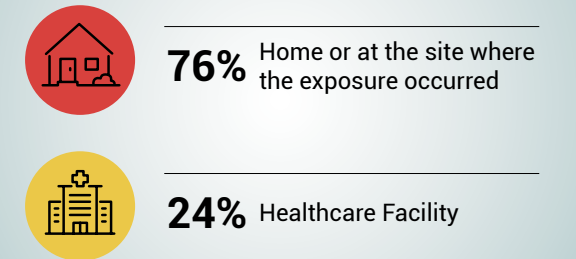
Route



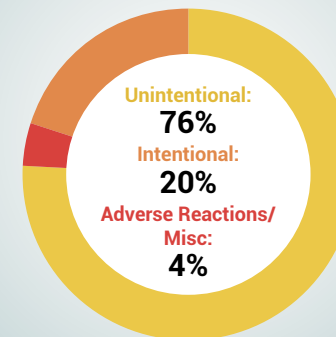
Patient Age



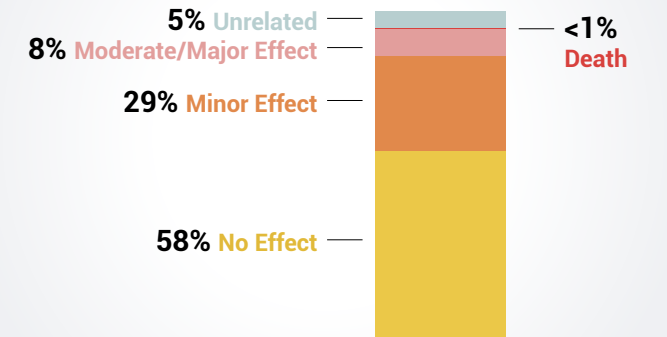
Treatment Site



Reason for Exposure



Medical Outcome



Top 10 Substances Involved in Exposure Calls

1. Pain Relievers
 2. Household Cleaning Substances
 3. Antidepressants
 4. Antihistamines
 5. Cardiovascular Drugs
 6. Cosmetic/Personal Care
 7. Mental Health Medications*
 8. Pesticides
 9. Dietary Supplements/Herbals/Homeopathic
 10. Foreign Bodies/Toys
- *Sedatives/Hypnotics/Antipsychotics

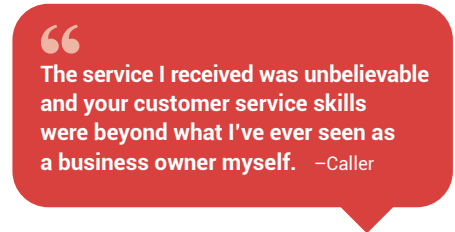
LESSONS FOR LIFE.

Education is a key component to reducing the risk and harm from a toxic exposure. We continue to provide a variety of educational opportunities for the public, healthcare professionals and organizations via training, classes and meetings.

Public education

To reach and teach Missourians about exposures to toxins, the Missouri Poison Center works with teachers from preschool to high school. We also partner with substance use prevention coalitions to educate the public about substance exposure and overdose.

- Teaching at health fairs
- Distributing educational materials
- Disseminating a monthly newsletter
- Partnering with county health departments
- Collaborating with Safe Kids and other injury prevention coalitions
- Presenting to various groups and organizations
- Providing cannabis exposure data to a variety of substance use prevention coalitions



Professional education

We are proud to provide physicians, nurses, medical professionals and hospitals with toxin-related information, statistics and data. In fact, we have become such an integral resource that 100% of Missouri hospitals use the Missouri Poison Center for poisoning and overdose consultation each year.

- Educational programs for licensed health care providers, medical residents, fellows in training, students from across medical disciplines, first responders, EMS providers, advanced pharmacy candidates and more
- Presentations on-site, at universities and at health care facilities throughout Missouri
- Distribution of Poison Alerts, our quarterly healthcare newsletter
- Updated antidote chart available on our website at <https://missouripoisoncenter.org/poison-information-health-care-providers/>

ADVANCING HEALTHCARE BY ADVANCING TECHNOLOGY.

We keep pace with technological advancements by broadening how we connect with others. In addition to our 24/7 telephone helpline, we offer a comprehensive website and text and chat capabilities. We have also expanded our social media presence to include not only Facebook, Twitter and Instagram, but also trending topics, educational materials and videos on TikTok. Our app provides poison exposure information, first aid



instructions and videos with no need for an internet connection—and is available for download via the Apple App Store on Google Play or by scanning the QR code shown here.

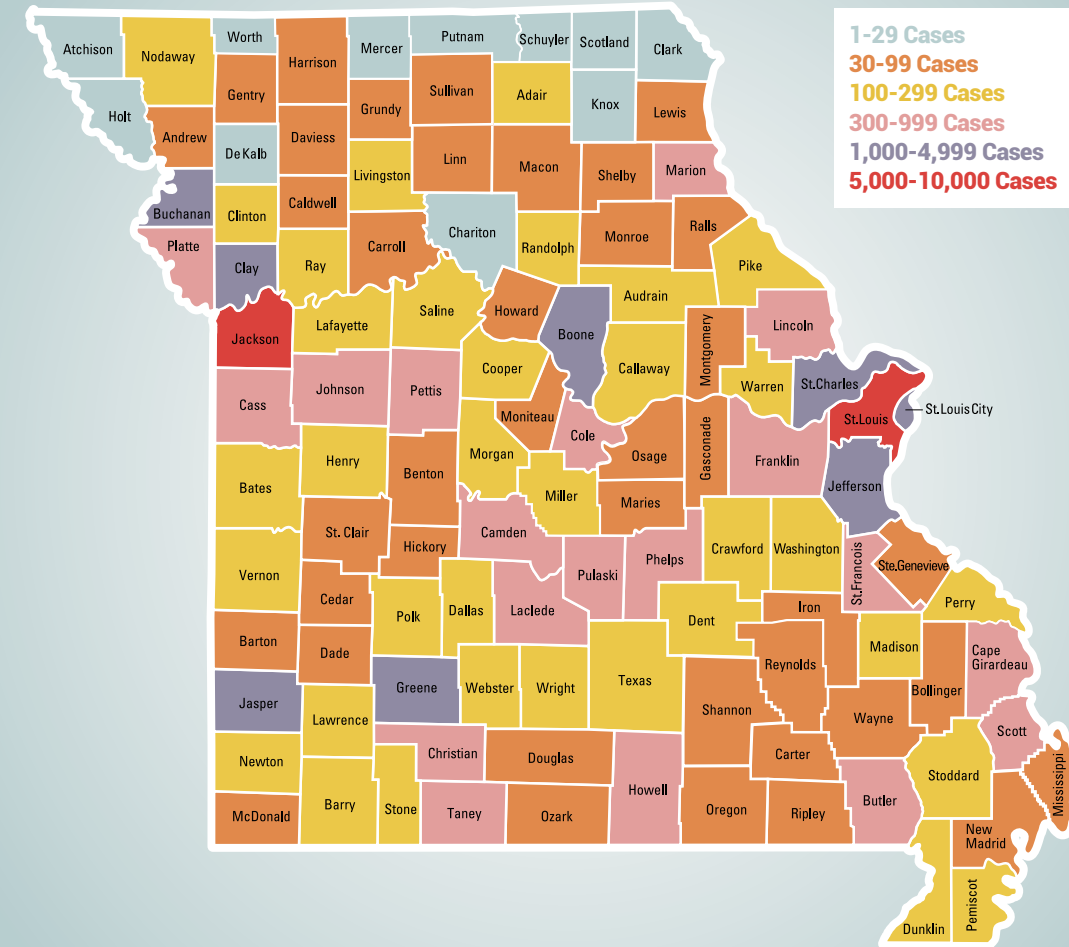


More information can be found at <https://missouripoisoncenter.org/get-the-app/>

THANK YOU FOR SUPPORTING OUR SERVICES!

The Missouri Poison Center is not-for-profit and is funded by The Missouri Hospital Association, State of Missouri, federal funding from HRSA (Health Resources & Services Administration), SSM Health Cardinal Glennon Children's Hospital, private contracts, grants and donations.

2022 Cases Reported To The Missouri Poison Center By County



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