

Battelle Public Health Center for Substance Use Research

ADVANCING THE FIELD OF MARIJUANA RESEARCH AND MITIGATING RISKS



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EXPANDING USAGE

The landscape of marijuana use, both medicinally and recreationally, has expanded dramatically over the last decade, yet the benefits and long-term risks of marijuana are still largely unknown.

For more than 50 years, public health leaders have relied on Battelle for objective, science-based answers to complex questions about substance use, from measuring its impacts to understanding its triggers. In times of growing usage, marijuana research is critical yet severely lacking. Where can healthcare workers and policy makers go to find the most relevant research to answer their pressing questions? Battelle's Public Health Center for Substance Use Research is building on deep experience to extend its expertise to marijuana.



Research Needs

- Well-designed, well-controlled trials to study the health effects associated with marijuana use and how marijuana interacts with tobacco and other substances.
- Large-scale, national public health surveys that follow people who use marijuana over time to understand how often, how much, and what forms of marijuana they use.

Applications

The Battelle Public Health Center for Substance Use Research deploys the world's best researchers, technologies, and methods to help understand the causes and consequences of marijuana use. Our team focuses on today's most critical clinical and behavioral questions.



SERVICES



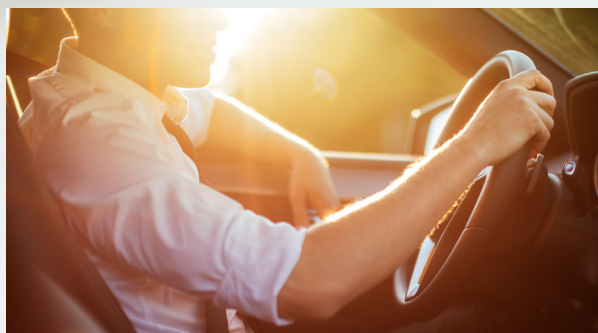
Clinical Capabilities

- Experimental administration
- Acute and chronic exposure
- Use behaviors
- Passive exposure
- Knowledge, attitudes and beliefs
- Risk perceptions



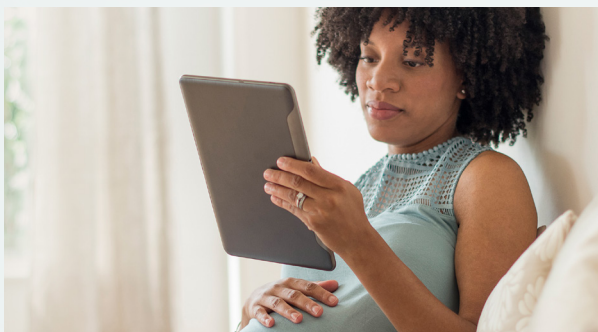
Analytical Capabilities

- Smoked and aerolyzed product characterization
 - Including VOCs and SVOCs, particle size, metals, and HPHCs
- Human puff-by-puff replication
- Physical product characterization



Epidemiology/Policy Capabilities

- Prevalence of recreational and medical marijuana use and comorbidity with other substances
- Trends in recreational and medical marijuana use over time
- Driving and workplace impairment
- Taxation implications
- Clean indoor air laws



Health Communication Capabilities

- Health education
- Dissemination and translation of scientific findings
- Evaluation of health communication messaging for impact



Focus on Vulnerable Populations

- Pregnant and postpartum women
- Youth
- Racial and ethnic minorities
- Active duty military and veterans
- Aging populations
- Individuals of low socioeconomic status
- Individuals with mental health conditions

BENEFITS

Marijuana use presents many pressing public health questions, and Battelle is working to find the answers. Battelle provides scientifically defensible and balanced research to improve public health.

We bring together leading experts in behavioral science, analytical and physical chemistry, pharmacology, psychology, toxicology and related disciplines to answer complex questions. Our research is grounded in solid, objective science and proven methods to deliver trusted data.

WHO IS BATTELLE?

We are the world's largest independent research and development organization, operating at the forefront of scientific discovery. We apply cutting-edge research methods to some of today's most pressing health and environmental concerns, including marijuana exposure.

WHAT CAN WE ANSWER FOR YOU TODAY?

Contact us to see how we can help you with your marijuana research needs.

<http://www.battelle.org/marijuana>

Every day, the people of Battelle apply science and technology to solving what matters most. At major technology centers and national laboratories around the world, Battelle conducts research and development, designs and manufactures products, and delivers critical services for government and commercial customers. Headquartered in Columbus, Ohio since its founding in 1929, Battelle serves the national security, health and life sciences, and energy and environmental industries. For more information, visit www.battelle.org.

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It can be done