MEDICAMENT



MEDICAL MARIJUANA RESEARCH NEWSLETTER

SUMMER 2025

WELCOME TO MEDICAMENT,

the Consortium for Medical Marijuana Clinical Outcomes Research's quarterly newsletter.

The Consortium, founded by the State of Florida, conducts, disseminates, and supports research on the use and effects of medical marijuana on patient outcomes.

In the Summer 2025 issue of **MEDICAMENT:**

- Event Summary: CCORC 2025
- Researcher Spotlight Series
- New Medical Marijuana Info Sheets Available
- Grants Program 2025 Awardees
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- Cannabis Working Group
- **Journal Corner**
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To learn more about the Consortium and our programs, visit us at mmjoutcomes.org.

CANNABIS CLINICAL OUTCOMES RESEARCH CONFERENCE (CCORC) HOSTS FIFTH ANNUAL MEETING

CCORC 2025 joins experts in advancing medical marijuana research



On Thursday, May 29th and Friday, May 30th, 2025, the Consortium for Medical Marijuana Clinical Outcomes Research hosted its fifth annual research conference, the Cannabis Clinical Outcomes Research Conference (CCORC). The conference was held in person with virtual options at the UF Research and Academic Center at Lake Nona, Orlando, FL.

CCORC connects researchers, physicians, community stakeholders, and industry representatives to disseminate research, foster thoughtful discussion, and encourage collaboration in medical cannabis research. CCORC 2025's program included three keynote speakers, two poster sessions for abstracts selected following peer review, and eight oral presentations of top abstracts.

CCORC 2025 Summary Continued



Rachel Tomko, Ph.D., of the Medical University of South Carolina, delivered the opening keynote address, as she challenged attendees to rethink treatment approaches to cannabis use disorder. Angela Bryan, Ph.D., from the University of Colorado, presented the second keynote on the effects of edible cannabis use on pain, sleep and mood. Sara Jane Ward, Ph.D., from Temple University, offered the final keynote on developing cannabis-based treatments for chemotherapy.

Registrants were able to earn Continuing Medical Education (CME) or Continuing Pharmacy Education (CPE) credits for attending components of the scientific program. Abstracts presented at CCORC 2025 will be published in Medical Cannabis and Cannabinoids, the official journal of the Consortium for Medical Marijuana Clinical Outcomes Research.

CCORC 2025 Awardees

Each year, CCORC concludes with an awards ceremony recognizing outstanding contributors to the conference's scientific program. The following awardees received recognition in 2025.

Top Scoring Student Abstracts

Emily Gazarov University of Florida **Amrit Baral** University of Miami Ciné Brown University of Miami

Top Scoring Non-Student Abstracts

Ava Jones University of Houston **Teddy Salan** University of Miami Jennifer Attonito Florida Atlantic University

Best Student Poster

Nayana Sojin Rhea Parimoo University of Florida

CCORC 2025 Keynote Speakers



Angela Bryan, PhD Professor, Psychology and Neuroscience, University of Colorado Boulder

Effects of Edible Cannabis Use on Pain, Sleep, and Mood



Rachel Tomko, PhD Associate Professor, Psychiatry and Behavioral Sciences, Medical University of South Carolina

Rethinking Cannabis Use Disorder Treatment: Individualized Risks. Benefits, and Care



Sara Jane Ward, PhD Professor. Neural Sciences. Temple University

Developing Cannabis-Based Treatments for Chemotherapy-Induced Peripheral Neuropathy and Adjuvant Anti-Tumor Activity

CCORC 2025 Top Abstracts Selected for Oral Presentations



Jennifer Attonito, PhD Instructor, Florida Atlantic University Descriptive Outcomes from a Survey Investigating Cannabis Use Patterns Among Florida Adults at Risk for Alcohol Use Disorder



Amrit Baral, MBBS, MPH, PhD Research Fellow. University of Miami Sleep Disorders Among Current and Former Cannabis Consumers Living with Cancer at an NCI-Designated Cancer Center



Mitchell L Doucette, PhD, MS Senior Research Director, Leafwell Impact of Medical Cannabis Treatment on Healthcare Utilization in Patients with Post-traumatic Stress Disorder: A **Retrospective Cohort Study**



Emely Gazarov, MS Graduate Student, University of Florida The Effects of Oral Delta-9-THC Administration on Intertemporal **Decision Making in Aged Rats**



Isabella Jimenez, BS Research Assistant, University of Miami Cannabis Use Patterns among Women Receiving Treatment for Gynecological Cancers at an NCI-Designated Cancer Center



Ava A Jones, BA **Graduate Student**, University of Houston Mobile Intervention to Address Cannabis Use Disorder Among Black Adults: A Proof-of-Concept Randomized Controlled Trial



Teddy Salan, PhD Research Assistant Professor, University of Miami Effect of Cannabis Use on Brain Metabolites in People with HIV Using Whole- Brain Magnetic Resonance Spectroscopic *Imaging*



Cataryna Senra, BS Graduate Student, Barry University Age-Group Differences in Objectively Measured Abnormal Blood Pressure by Frequency of Cannabis Use within the Herbal Heart Study





Visit the links below for more information regarding CCORC 2025:

View Photo Gallery > View Full Conference Program > View Abstracts and Posters >

NEW RESEARCHER SPOTLIGHT SERIES VIDEO

Watch new video highlighting work by Consortium-funded researcher



Researcher Spotlight is a video series by the Consortium showcasing research from our grant awardees that scientifically evaluates clinical outcomes of medical marijuana use. Each episode spotlights a grant recipient to share their research question, methodological approaches and clinical relevance of current/expected outcomes.

The latest episode of the researcher spotlight series features Dr. Jennifer Attonito, Professor in the College of Business at Florida Atlantic University, and a 2021 Consortium Grant recipient. Her Consortium-funded research focuses on acceptance of and access to medical marijuana in Florida's nursing homes, the published paper can be found here.

Watch new and past episodes here >

NEW MEDICAL MARIJUANA INFO SHEETS NOW AVAILABLE

Learn more about medical marijuana through the info sheets available online

New info sheets have now been created describing the effects of medical marijuana for the conditions of ALS, Multiple Sclerosis, and Parkinson's Disease.

Each info sheet describes the effects of medical marijuana for conditions such as anxiety, Crohn's disease, pain, epilepsy, and more.

View info sheets here >



RESEARCH GRANTS PROGRAM 2025 AWARDEES ANNOUNCED

Eight investigators representing six Consortium member institutions have been awarded grants for the 2025 cycle. Six new awards as well as two level-2 renewals were funded for a total of \$573,489. The 35 proposals submitted were reviewed by two subject matter experts from out-of-state institutions with no conflict of interest and serving in an ad hoc capacity. Reviewers provided their assessment of each proposal's merit to the Consortium's governing body, the Medical Marijuana Clinical Outcomes Research Board (Board). The Board made final selections of awardees based on these assessments, as well as relevance to the Consortium research mission, potential for future extramural funding, immediate clinical and/or demonstrable translational relevance to inform medical use of marijuana, as well as responsiveness to the Consortium research priorities. The following is the list of 2025 Consortium grant awardees. Click here for more information.



Effects of Cannabis Constituents on the Reinforcing Properties of Fentanyl in Rats: A Behavioral and Neurobiological Approach



Evaluating the Efficacy of Water-Soluble CBD in Reducing Risky Alcohol Use: A Randomized Controlled Trial

PI: Karina Villalba, PhD



Developing a Miniaturized Flow-based POC Device for Assessing and Mitigating the Risks of Cannabinoid-associated Coagulopathy

PI: Adriaan Bruijnzeel, PhD



Impact Of Medical Marijuana Initiation On Opioid Dosing And Use Among Florida Medicaid Enrollees With Type 2 Diabetes

PI: Leo Liu, PhD

PI: Alexandra Perez Rivera, PhD



Role of CBD and Full Spectrum CBD in Diabetes Induced Peripheral Neuropathy



Evaluation of the Effects of Cannabis on the Glymphatic System and Sleep Quality in People with Multiple Sclerosis

PI: Mandip Sachdeva, PhD

PI: Teddy Salan, PhD



Effects of a Hemp-derived Cannabidiol and Cannabidiolic-acid Oral Extract on Resting-state Electroencephalography and Neuropathic Pain in People with Spinal Cord Injury



Medical Cannabis: Patterns, Safety & Effectiveness in Cancer **Patients**

PI: Cov Heldermon, MD, PhD

PI: Eva Widerström-Noga, PhD

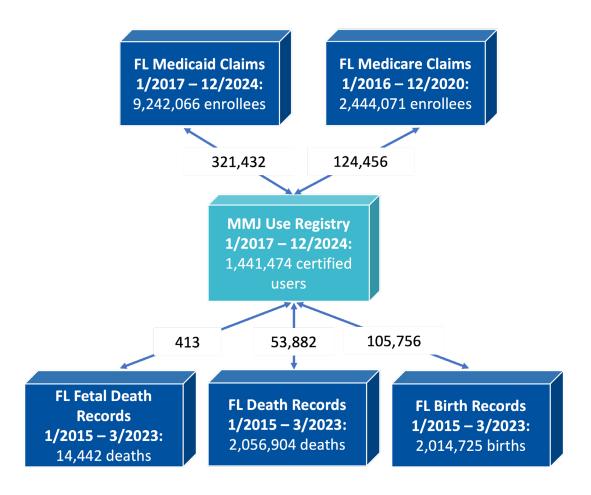
MEM®RY UPDATES

Ongoing linkages within the MEMORY database

MEMORY (MEdical Marijuana clinical Outcomes Repository) is a unique interlinked database which includes all registered medical marijuana users from the Florida the Medical Marijuana Use Registry (MMUR). To ensure comprehensive longitudinal follow-up and capture of relevant health outcomes, the Consortium has linked MMUR to administrative billing records of FL Medicaid and Center for Medicare and Medicaid (CMS) Medicare beneficiaries, as well as FL vitals database, allowing the investigation of medical marijuana related clinical outcomes and policy research.

The MEMORY team is now working on geocoding the MEMORY data. This geocoding effort opens the door for future linkage of MEMORY data to additional geospatial datasets, with useful applications to medical marijuana research.

Read more about MEMORY >



Total numbers by data source and the total number of linked individuals.

OUTREACH UPDATES

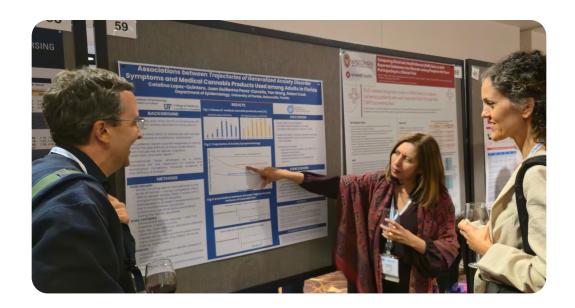
Outreach by Consortium members at various scientific meetings

From May 30 to June 1, the Consortium hosted a booth as part of its outreach efforts at the annual Florida Medical Cannabis Conference and Exhibition (FMCCE). The conference allowed the Consortium to connect with other researchers, clinicians, and industry professionals across the state.

From June 14 to June 18, Assistant Professor Dr. Catalina Lopez-Quintero and predoctoral trainee Juan Perez presented research from the M³ study at the annual College on Problems of Drug Dependence Scientific Meeting (CPDD).

Juan Perez presented an oral presentation titled "Cannabis Use and Sleep: Factors Influencing Good Sleep Quality." His talk highlighted sleep quality patterns among 1,234 participants in the M³ study, examining differences in participant characteristics between those with good versus poor sleep quality.

Additionally, Dr. Catalina Lopez-Quintero presented a poster titled "Associations Between Trajectories of Generalized Anxiety Disorder Symptoms and Medical Cannabis Products Used Among Adults in Florida." Her work explores how medical cannabis products influence anxiety symptoms across different trajectories.



Pictured Here:

Dr. Catalina Lopez-Quintero presents a poster showcasing research from the M³ study at the annual College on Problems of Drug Dependence Scientific Meeting (CPDD).

EVIDENCE AND RESEARCH ANNOUNCEMENTS

New publication by Consortium-affiliated researchers: Perception of Risks of Cannabis and CBD Use during Pregnancy



A new publication by Consortium researcher Dr. Amie Goodin explores perception of risks of cannabis and CBD use during pregnancy through a multi-methods study. Published in *Medical Cannabis and* Cannabinoids, the official journal of the Consortium.

The study examined how pregnant and non-pregnant individuals perceive the risks of using cannabis and cannabidiol (CBD) during pregnancy, revealing widespread uncertainty despite medical guidance advising against such use. Among 261 participants, 75% of whom were pregnant, more reported being unsure about the safety of using CBD during pregnancy than using cannabis during pregnancy.

Focus group discussions revealed that while legalization may have reduced stigma, it has also contributed to confusion about potential health risks. Overall, findings suggest a pressing need for clearer,

evidence-based communication about the potential risks of cannabis and CBD use during pregnancy.

Read the full paper here >

JOIN THE CANNABIS WORKING GROUP

Inviting researchers to participate in the Cannabis Working Group



The Cannabis Working Group is a collaborative space for dialogue and sharing knowledge, hosting manuscript discussions, informal seminars with authors, and providing support for developing cannabis-related manuscripts and applications.

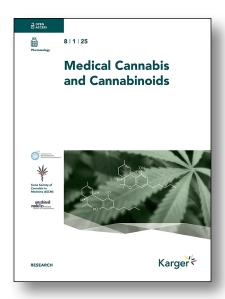
In addition to the monthly presentations with experts in the field of cannabis research, the working group holds dedicated sessions for students and postdocs every month. These sessions offer a collaborative and supportive space where early-career researchers can seek feedback, discuss innovative approaches, and more.

Please contact <u>mmj.outcomes@cop.ufl.edu</u> for more information.

To be informed of future meetings and zoom information, please sign up for the Cannabis Working Group listserv.

JOURNAL CORNER

Updates from Karger, publisher of the Consortium's official journal



Medical Cannabis and Cannabinoids is the official journal of the Consortium, offering an international forum to investigate cannabis safety and effectiveness when used for medical purposes. This series in the newsletter, Journal Corner, provides updates, information and resources from the journal publisher, Karger.

Call for Papers: Minor Cannabinoids and Terpenes in Medical **Cannabis: Unlocking the Potential**

While THC and CBD are well-known, the cannabis plant contains over 180 cannabinoids and numerous terpenes, most of which remain understudied. Recent research suggests that compounds such as CBG, CBC, CBN, and THCV, along with various terpenes, exhibit distinct therapeutic properties, yet comprehensive reviews and studies on these compounds are critically lacking. This article collection seeks

to address key gaps in our understanding of lesser-known cannabinoids and terpenes, their medical benefits and risks, and their potential roles in therapeutic applications.

For this collection, the journal encourages submissions that:

- Investigate the therapeutic potential of CBG, CBC, CBN, THCV, and other minor cannabinoids
- Explore the medical benefits and risks of these compounds.
- Provide an overview of minor cannabinoids and terpenes: Their chemistry and pharmacology
- Examine synergistic effects of cannabinoids and terpenes (the "entourage effect")
- Discuss regulatory and safety considerations for the use of these compounds
- Propose future research directions and therapeutic applications

New from Consortium Members

Perception of Risks of Cannabis and CBD Use during Pregnancy: A Multi-Methods Study (Amie Goodin, Deepthi S. Varma, Karamveer Dhillon, Sahar Kaleem, Sonila Dubare, Alexis Jennings, Burce A. Goldberger, Kay Roussos-Ross) Med Cannabis Cannabinoids 2025; DOI 10.1159/000546312)

Medical Cannabis and Cannabinoids at a Glance

- Official journal of the Consortium for Medical Marijuana Clinical Outcomes Research
- Consortium members are eligible for an APC discount of 50% on accepted articles
- **Open Access**
- Indexed in PMC, DOAJ, Scopus
- CiteScore: 4.4

For more information or questions about Medical Cannabis and Cannabinoids, visit the journal website or contact: Alan Tootle, Publication Manager, a.tootle@karger.com

GET INVOLVED IN RESEARCH

CARMMA: Changing the way we collaborate across the state of Florida

The <u>Connect and Advance Research for Medical Marijuana Analysis (CARMMA) Database</u> is accessible to researchers, physicians, and industry collaborators to foster collaborations in medical marijuana research.

The Consortium invites anyone interested in engaging in medical marijuana research to <u>register in CARMMA</u>.

JOIN THE CARMMA DATABASE







Have news or feedback to share? Let us know!

Share your Consortium-related research and news through our <u>submission form</u>.

Share your comments on our newsletter through our <u>feedback form</u>.

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Share your contact information through our <u>newsletter sign-up form</u>.

Read previous MEDICAMENT issues.

