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**Annual  
Research  
Activity  
Report**

OCTOBER  
2024



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The purpose of this report is to track and disseminate information on current research activities within the Department of Psychiatry and Behavioral Sciences for faculty and trainees. The hope is that, by increasing awareness of research activities, this document will facilitate collaboration among faculty within and outside the Department of Psychiatry and Behavioral Sciences and identify research opportunities for residents, interns and post-docs.

While the aim for this document is to provide an overview of the research activities in the Department as of October 2024, for various reasons it may not be a comprehensive list. Please reach out to Annette Crisanti, PhD (acrisanti@salud.unm.edu) or other research faculty to inquire about additional research that may not be included in this document.

- A glossary of acronyms can be found at the end of this document.

**For questions or updates to the report please contact:**

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## **CURRENT RESEARCH PROJECTS**

### **Ongoing as of October 2024**

**PI, Co-Is:** Christopher Abbott, MD

**Study Title:** Deciphering Mechanisms of ECT Outcomes and Adverse Effects (DECODE)

**Funding Dates:** 8/1/2022-5/31/2027

**Funding Agency:** NIH/NIMH

**Project Synopsis:** In this prospective study we propose the first investigation integrating multiple units of analysis including clinical and cognitive phenotyping, whole-brain neuroimaging, EEG, and E-field modeling to establish the mechanisms underlying ECT-induced antidepressant response (response biomarkers) and cognitive adverse effects (safety biomarkers), as well as to find the “sweet spot” of ECT dosing for optimal antidepressant benefit and cognitive safety.

**Keywords:** Neuroimaging, ECT

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**PI, Co-Is:** Christopher Abbott, MD

**Study Title:** ECT amplitude titration for improved clinical outcomes in Late-Life Depression (ECT5)

**Funding Dates:** 2/4/2021-1/31/2026

**Funding Agency:** NIH/NIMH

**Project Synopsis:** This investigation will compare clinical outcomes from fixed (traditional) or individual amplitude ECT. Individualized amplitude will be determined from pre-treatment electric field modeling. This project also utilizes a novel amplitude-determined seizure and motor titrations.

**Keywords:** ECT, neuromodulation, depression, cognition, imaging, electric field modeling, imaging

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**PI, Co-Is:** Deborah Altschul, PhD  
**Study Title:** San Felipe Pueblo I-CARE  
**Funding Dates:** 4/1/2022-3/31/2027  
**Funding Agency:** IHS Behavioral Health Integration Initiative  
**Project Synopsis:** The purpose of the BH2I program is to improve the physical and mental health status of people with behavioral health issues by developing an integrated and coordinated system of care. This effort supports the IHS mission to raise the physical, mental, social, and spiritual health of AI/AN individuals to the highest level.  
**Keywords:** Integrative Care, Native Americans

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**PI, Co-Is:** Deborah Altschul, PhD  
**Study Title:** San Felipe Pueblo KEVA Home Visiting Grant\*  
**Funding Dates:** 10/1/2016-9/29/2028  
**Funding Agency:** ACF  
**Project Synopsis:** The primary purpose of Project Katishtya Eh-wahs Valued Always (KEVA) Tribal Home Visiting Program is to support the Pueblo of San Felipe in creating a healthy and happy community for children, parents, and families in the community.  
**Keywords:** Home Visiting, Native Americans

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**PI, Co-Is:** Deborah Altschul, PhD  
**Study Title:** San Felipe Pueblo Native AWARE\*  
**Funding Dates:** 10/1/2018-9/29/2027  
**Funding Agency:** SAMHSA  
**Project Synopsis:** The purpose of this program is to build or expand the capacity of State Educational Agencies, in partnership with State Mental Health Agencies (SMHAs) overseeing school-aged youth and local education agencies (LEAS). This program supports the development and implementation of a comprehensive plan of activities, services, and strategies to decrease youth violence and support the healthy development of school-aged youth; and builds upon the successful strategies of the Safe Schools/Healthy Students Initiative that have been effective in creating safe and secure schools and promoting the mental health of students in communities across the country.  
**Keywords:** School Based Health, Health Disparities, Workforce Development, Native Americans

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**PI, Co-Is:** Thomas Chavez, PhD  
**Study Title:** Taos Pueblo Tiwa Babies Early Childhood Home Visiting Program  
**Funding Dates:** 7/1/2022-9/30/2024  
**Funding Agency:** HHS, ACF  
**Project Synopsis:** Provide technical assistance in performance measurement, implementation fidelity, continuous quality improvement and multi-site evaluation.  
**Keywords:** Performance Measurement, Continuous Quality Improvement, Native Americans

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**PI, Co-Is:** Jennifer Crawford, PhD  
**Study Title:** FOCUS Expansion Evaluation Project  
**Funding Dates:** 9/30/2021-9/29/2026  
**Funding Agency:** SAMHSA, NMHSD  
**Project Synopsis:** The purpose of this study is to evaluate services provided in the UNM FOCUS program to families affected by substance use disorders in order to enhance services for this population and to support initiative to expand the program to provide services from birth to age five.  
**Keywords:** Substance Use Disorder, Program Evaluation, Opioid Use Disorder

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**PI, Co-Is:** Annette Crisanti, PhD  
**Study Title:** Crisis Intervention Training Knowledge Network  
**Funding Dates:** 12/8/2016-6/30/2025  
**Funding Agency:** APD, UNMHSC Department of Psychiatry and Behavioral Sciences, NMDOH  
**Project Synopsis:** The purpose of this evaluation is to determine the impact of a training program for law enforcement in CIT best practices using the ECHO model.  
**Keywords:** Law Enforcement, Crisis Intervention Training

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**PI, Co-Is:** Annette Crisanti, PhD  
**Study Title:** Mobile Crisis Teams Expansion and Evaluation  
**Funding Dates:** 8/1/2024-9/29/2025  
**Funding Agency:** BHSD  
**Project Synopsis:** To evaluate the Mobile Crisis the expansion of Mobile Crisis Teams (MCTs) in New Mexico, including the (1) reach of MCTs (e.g., number of calls, types of individuals served, dispatch location), (2) efficiency of MCTs (e.g., speediness of response), (3) type and extent of services provided (e.g., length of time on call, services provided, who was dispatched), and (4) outcomes of MCTs (e.g., disposition, follow-up).  
**Keywords:** Mobile Crisis Teams, Crisis Services

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**PI, Co-Is:** Annette Crisanti, PhD  
**Study Title:** Opening Doors Through Services and Supports for Homeless Individuals with Serious Mental Illness (SMI) or Co-occurring SMI and Substance Use Disorder (CODs)  
**Funding Dates:** 1/14/2020-1/14/2025  
**Funding Agency:** SAMHSA  
**Project Synopsis:** The purpose is to provide evidence based, trauma focused services to homeless individuals with serious mental illness or co-occurring mental illness/substance use disorders that address symptoms and behaviors associated with homelessness and housing retention.  
**Keywords:** Homelessness, Permanent Supportive Housing, Adults with PTSD, substance use disorder and/or other mental illness

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**PI, Co-Is:** Annette Crisanti, PhD  
**Study Title:** Pregnant or Post-Partum Women with Opioid Use Disorders Training for PSWs  
**Funding Dates:** 10/1/2024-9/29/2025  
**Funding Agency:** BHSD  
**Project Synopsis:** The purpose of the project is to collaborate with the NM Behavioral Health Services Division, Office of Peer Recovery and Engagement to develop a training module that will better equip peer support workers to provide peer recovery support services to pregnant or post-partum women with opioid use disorders. Peer Support Model to Address Substance Use Disorders.  
**Keywords:** Peer Support Workers Workforce Development, OUD, Pregnant or Post-partum Women

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**PI, Co-Is:** Rebecca Ezechukwu, PhD  
**Study Title:** Addressing Childhood Trauma through Intervention, Outreach, and Networking III (ACTION III)  
**Funding Dates:** 9/30/2022-9/29/2027  
**Funding Agency:** SAMHSA  
**Project Synopsis:** ACTION III supports the implementation and evaluation of a sustainable trauma responsive system of care grounded in collaboration among youth-serving clinics and programs within the University of New Mexico Behavioral Health system. ACTION III provides and maintains access to outpatient trauma-focused treatment for children, adolescents, and transition age youth and emphasizes culturally responsive, contextually driven services for youth and families who experience ongoing health disparities. ACTION offers training and consultation opportunities for UNM Hospital providers and UNM School of Medicine learners in trauma-informed & trauma-focused practices, culturally responsive care, and evidence-informed strategies to address secondary traumatic stress (STS) at individual and organizational levels of care.  
**Keywords:** Childhood Trauma, Trauma Services, Children and Adolescents, Transition Age Youth, Culturally Responsive Services

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**PI, Co-Is:** Wayles Haynes, MD  
**Study Title:** Evaluating General Psychiatric Resident Attitudinal Change toward Geriatric Psychiatry Subspecialty with Geriatric Psychiatry Curriculum  
**Funding Dates:** N/A  
**Funding Agency:** N/A  
**Project Synopsis:** This investigation will assess the impact of geriatric psychiatric educational initiatives on residents' attitudes towards geriatric psychiatry as a sub-specialty.  
**Keywords:** Geriatric psychiatry, education

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**PI, Co-Is:** Jeremy Hogeveen, PhD  
**Study Title:** Motivation Circuits Underlying Apathy in Traumatic Brain Injury  
**Funding Dates:** 7/1/2020-6/30/2025  
**Funding Agency:** NIH/NIGMS  
**Project Synopsis:** The main purpose of this project is to target and alter neural networks associated with apathy using transcranial magnetic stimulation (TMS).  
**Keywords:** Acute Brain Injuries

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**PI, Co-Is:** Tyler Kincaid, PhD  
**Study Title:** Certified Community Behavioral Health Clinic (CCBHC) Implementation  
**Funding Dates:** 3/30/2023-6/30/2025  
**Funding Agency:** SAMHSA  
**Project Synopsis:** To provide clinical and technical expertise to the State of New Mexico Health Care Authority's CCBHC implementation team based the successful SAMSHA CCBHC Demonstration application in 2024.  
**Keywords:** Serious Mental Illness (SMI), Substance Use Disorders (SUD), Program Evaluation, Native Americans, Veterans, Children and Rural

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**PI, Co-Is:** Tyler Kincaid, PhD  
**Study Title:** NM Multisystemic Therapy Outcomes Tracking Project  
**Funding Dates:** 5/3/2017-6/30/2028  
**Funding Agency:** CYFD  
**Project Synopsis:** The NM Outcomes Tracking Project provides demographic and outcome data regarding youth and families who have received MST services from New Mexico's MST provider agencies.  
**Keywords:** Multi-Systemic Therapy, At-Risk Youth

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**PI, Co-Is:** David Lardier, PhD  
**Study Title:** Project AWARE  
**Funding Dates:** 7/1/2022-9/29/2026  
**Funding Agency:** SAMHSA  
**Project Synopsis:** The purpose of Project AWARE (Advancing Wellness and Resiliency in Education) is to promote the healthy development of school-aged youth and prevent youth violence.  
**Keywords:** Youth, Violence Prevention

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**PI, Co-Is:** United Voices for Newcomer Rights (PI); David Lardier, PhD (Lead Evaluator / Co-I alongside Dr. Julia Hess [Pediatrics] and Dr. Jessica Goodkind [Sociology])

**Study Title:** Rebuilding and Engaging to Foster Resiliency Among Muslims Experiencing (REFRAME) Violence: A Multilevel Community-Based Approach

**Funding Dates:** 12/31/2022-12/30/2026

**Funding Agency:** SAMHSA

**Project Synopsis:** A Multilevel Community-Based Approach is a four-tiered intervention that attends to the behavioral health and well-being of Muslim and Afghan, African, and Arabic Newcomer (MAAAN) youth and their families in Albuquerque, New Mexico.

**Keywords:** Youth, Violence Prevention

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**PI, Co-Is:** Gregory Nikogosyan, DO

**Study Title:** Exploring Barriers Leading to Non-Adherence in Individuals Hospitalized with Methamphetamine Cardiomyopathy

**Funding Dates:** N/A

**Funding Agency:** N/A

**Project Synopsis:** Methamphetamine use prevalence is increasing rapidly, and medical consequences are leading to increased healthcare dollar spending, particularly for cardiomyopathy. Unfortunately, those with methamphetamine cardiomyopathy have poor follow-up post-hospitalization. There have not been any qualitative studies looking at barriers to ambulatory care for this vulnerable population. We have designed a protocol to consent patients in the hospital for heart failure management with further exploratory interviewing post-hospitalization after the date for the first outpatient appointment. We will use thematic coding of interviews to determine barriers to outpatient care engagement.

**Keywords:** Methamphetamine, cardiomyopathy

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**PI, Co-Is:** My Nim, MD

**Study Title:** Resiliency in Communities After Stress and Trauma (ReCAST)

**Funding Dates:** 3/1/2023-12/30/2026

**Funding Agency:** SAMHSA

**Project Synopsis:** To promote resilience, trauma-informed approaches, and equity to individuals in Gallup and throughout McKinley County.

**Keywords:** Collective Trauma, Native Americans

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**PI, Co-Is:** Jen Perillo, PhD  
**Study Title:** Community Reinforcement and Family Training (CRAFT)  
**Funding Dates:** 7/1/2024-6/30/2025  
**Funding Agency:** NMPED  
**Project Synopsis:** The purpose of the program evaluation is to examine the facilitators and barriers influencing the uptake of CRAFT in the state. CRAFT is an evidence-based treatment for Concerned Significant Others (CSOs) of Identified Patients (IPs) with substance use issues.  
**Keywords:** Concerned Significant Others (CSOs) of Identified Patients (IPs), substance use disorders

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**PI, Co-Is:** Jen Perillo, PhD, Annette Crisanti, PhD, Julie Salvador, PhD  
**Study Title:** New Mexico's (NM) Supporting Underserved Communities Capture Employment Stability Successfully (SUCCESS) Program  
**Funding Dates:** 9/30/2024-9/29/2029  
**Funding Agency:** SAMHSA  
**Project Synopsis:** The purpose is to study is to implement and evaluate an evidence-based model of supported employment called Individual Placement and Support (an evidence-based model of supported employment). IPS will be implemented in one rural and tribal communities in NM and one urban community so adults with serious mental illness (SMI) or co-occurring mental/substance use disorders (COD) can achieve competitive employment and build paths to self-sufficiency and recovery.  
**Keywords:** Supported Employment, Adults with Substance use disorder and/or other mental illness

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**PI, Co-Is:** Dominique Price, PhD  
**Study Title:** Association between Premenstrual Dysphoric Disorder and Inflammation  
**Funding Dates:** 6/30/2024-6/30/2025  
**Funding Agency:** Department of Psychiatry and Behavioral Sciences; Rosenbaum Award  
**Project Synopsis:** Premenstrual Syndrome (PMS) is a constellation of both emotional and physical symptoms present in the luteal phase of the menstrual cycle. Within the US, it is estimated that over two thirds of women experience PMS symptoms. Premenstrual Dysphoric Disorder (PMDD) affects a smaller subset of women and comprises more severe emotional, physical, functional impairment on the continuum of premenstrual syndromes. The cause of both PMS and PMDD remains an area of active investigation, and increased inflammation in the body has been proposed as a potential mechanism/ modulator of disease symptoms. This investigation will examine the relationship between menstrual cycle-inflammation and the mood symptoms of PMS and PMDD. We hope to learn whether inflammatory changes in the premenstrual period of the menstrual cycle affect the severity of psychiatric and physical symptoms in individuals with PMS and PMDD.  
**Keywords:** Reproductive psychiatry, Inflammation, PMDD, PMS, Mood

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**PI, Co-Is:** Davin Quinn, MD  
**Study Title:** A Prospective Observational Study on Therapeutic and Adverse Effects of Medical Cannabis for Chronic Traumatic Brain Injury (MC-TBI)  
**Funding Dates:** 9/15/2022-9/14/2026  
**Funding Agency:** DoD  
**Project Synopsis:** The goals of this project proposal are to determine if medical cannabis has potential therapeutic or adverse effects on TBI-related symptoms (emotional, physical and cognitive) as well as overall brain health. Symptoms will be measured using standard clinical tests, whereas brain health will be measured using advanced brain scans and blood-based biomarkers.  
**Keywords:** Medical Cannabis, Traumatic Brain Injury, fMRI

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**PI, Co-Is:** Davin Quinn, MD  
**Study Title:** Control Network Neuromodulation to Enhance Cognitive Training in Complex Traumatic Brain Injury (CONNECT-TBI)  
**Funding Dates:** 9/30/2020-9/29/2025  
**Funding Agency:** DoD  
**Project Synopsis:** To conduct a randomized, double-blinded, sham-controlled Phase II clinical trial of APT-3 combined with rTMS, HD-tDCS, or sham to treat cognitive control deficits in Veterans with complex mTBI and PPCS.  
**Keywords:** Traumatic Brain Injury, Transcranial direct current stimulation, Transcranial magnetic stimulation

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**PI, Co-Is:** Davin Quinn, MD  
**Study Title:** Eye Recovery Automation for Post-Injury Dysfunctions (iRAPID)  
**Funding Dates:** 9/21/2022-9/20/2026  
**Funding Agency:** New Jersey Institute of Technology  
**Project Synopsis:** To test the efficacy of an automated virtual reality vergence therapy system on remediating convergence insufficiency in a Traumatic Brain Injury veteran population.  
**Keywords:** Traumatic Brain Injury, Vision Therapy, Virtual Reality

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**PI, Co-Is:** Davin Quinn, MD  
**Study Title:** Individualized Targeting and Neuromodulation of Late Life Depression (TMS/LLD Bipolar)  
**Funding Dates:** 12/1/2023-11/30/2024  
**Funding Agency:** UNM Successful Aging Grand Challenge Pilot Grant  
**Project Synopsis:** Our long-term goal is to develop safer, more effective treatments for LLD that engage the brain's pathophysiology, improve functioning, and prolong quality of life.  
**Keywords:** Bipolar Disorder, Transcranial Magnetic Stimulation, Circular Ribonucleic Acid

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**PI, Co-Is:** Davin Quinn, MD  
**Study Title:** Magnetic Resonance Analysis of Neural Inflammatory Factors and External Stimulation (MANIFEST)  
**Funding Dates:** 7/1/2024-6/30/2029  
**Funding Agency:** DoD  
**Project Synopsis:** To conduct a randomized, controlled clinical trial of accelerated fMRI-guided transcranial magnetic stimulation to treat chronic neuropsychiatric post-acute sequelae of COVID-19 infection (neuro-PASC) in 60 civilian and Veteran participants. Cognitive and behavioral measures, diffusion magnetic resonance spectroscopy, and serum inflammatory biomarkers will be obtained to assess for changes in neuroinflammation with treatment.  
**Keywords:** Long COVID, Accelerated TMS, Diffusion MR Spectroscopy

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**PI, Co-Is:** Davin Quinn, MD  
**Study Title:** Multimodal Image Analysis and Guidance of Neuromodulation for Trauma-Related Symptoms (MAGNETS)  
**Funding Dates:** 9/30/2023-9/29/2027  
**Funding Agency:** DoD  
**Project Synopsis:** To conduct a multi-center, randomized, double-blinded, sham-controlled clinical trial of accelerated fMRI-guided theta burst stimulation for PTSD symptoms in Veterans.  
**Keywords:** PTSD, fMRI guidance, transcranial magnetic stimulation

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**PI, Co-Is:** Julie Salvador, PhD  
**Study Title:** State Opioid Response (SOR) 3 - No Cost Extension  
**Funding Dates:** 9/30/2022-9/29/2025  
**Funding Agency:** SAMHSA  
**Project Synopsis:** Reduce OUD and associated morbidity and mortality through expansion of evidence-based practices in OUD treatment, recovery, harm reduction and prevention. Focus on MAT for OUD expansion.  
**Keywords:** Opioid Use Disorder

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**PI, Co-Is:** Julie Salvador, PhD  
**Study Title:** State Opioid Response (SOR) 4  
**Funding Dates:** 9/30/2024-9/29/2027  
**Funding Agency:** SAMHSA  
**Project Synopsis:** Reduce OUD and associated morbidity and mortality through expansion of evidence-based practices in OUD treatment, recovery, harm reduction and prevention. Focus on MAT for OUD expansion.  
**Keywords:** Opioid Use Disorder

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**PI, Co-Is:** Mauricio Tohen, MD, Javier Ortiz Orendain, MD, Annette Crisanti, PhD  
**Study Title:** Evaluation of Coordinated Specialty Care for First Episode Psychosis (EARLY Program)  
**Funding Dates:**  
**Funding Agency:** Mass General Brigham  
**Project Synopsis:** To evaluate the outcomes of coordinated specialty care for first episode psychosis.  
**Keywords:** First Episode Psychosis

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**PI, Co-Is:** Deidre Yellowhair, PhD  
**Study Title:** Trauma informed to build Resilient, Indigenous, Balanced communities Enhanced with Strength (TRIBES)  
**Funding Dates:** 9/30/2022-9/29/2026  
**Funding Agency:** SAMHSA  
**Project Synopsis:** The TRIBES initiative seeks to increase Historical Trauma informed care expertise through the widespread of training of a HT informed parenting curriculum and suicide prevention and response toolkit to provide accessible and culturally informed interventions to American Indian and Alaska Native (AI/AN) populations.  
**Keywords:** Historical Trauma, Intergenerational Trauma, Native Americans

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# GLOSSARY

<b>ACF</b>	Administration for Children and Families	<b>IRAPID</b>	Eye Recovery Automation for Post-Injury Dysfunctions
<b>APD</b>	Albuquerque Police Department	<b>LEA</b>	Local Education Agency
<b>AWARE</b>	Advancing Wellness and Resilience in Education	<b>MAGNETS</b>	Multimodal Image Analysis and Guidance of Neuromodulation for Trauma-Related Symptoms
<b>BHSD</b>	Behavioral Health Services Division	<b>MANIFEST</b>	Magnetic Resonance Analysis of Neural Inflammatory Factors and External Stimulation
<b>CBOs</b>	Community-Based Organizations	<b>MAT</b>	Medication Assisted Treatment
<b>CIT</b>	Crisis Intervention Training	<b>MCT</b>	Mobile Crisis Teams
<b>COD</b>	Co-occurring SMI And Substance Use Disorder	<b>MST</b>	Multisystemic Therapy
<b>CRAFT</b>	Community Reinforcement and Family Training	<b>NIMH</b>	National Institute of Mental Health
<b>CYFD</b>	Children, Youth and Family Division	<b>NMDOH</b>	New Mexico Department of Health
<b>DECODE</b>	Deciphering Mechanisms of ECT Outcomes and Adverse Effects	<b>NMPED</b>	New Mexico Public Education Department
<b>DoD</b>	Department of Defense	<b>ODD</b>	Opioid Use Disorder
<b>ECT</b>	Electroconvulsive therapy	<b>PCSS</b>	UNM Provider's Clinical Support System
<b>FEP</b>	First Episode Psychosis	<b>PMDD</b>	Premenstrual Dysphoric Disorder
<b>HHS</b>	Health and Human Services	<b>PMS</b>	Premenstrual Syndrome
<b>IHS</b>	Indian Health Services	<b>PTSD</b>	Post-Traumatic Stress Disorder

<b>RCT</b>	Randomized Control Trial
<b>ReCAST</b>	Resiliency in Communities After Stress and Trauma
<b>REFRAME</b>	Rebuilding and Engaging to Foster Resiliency Among Muslims Experiencing
<b>SAMSHA</b>	Substance Abuse Mental Health Services Administration
<b>SMI</b>	Serious Mental Illness
<b>SOR</b>	State Opioid Response
<b>SUD</b>	Substance Use Disorder
<b>TMS</b>	Transcranial Magnetic Stimulation
<b>UNMHSC</b>	UNM Health Sciences Center





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