

**eTMS Ohio**

eTMSOhio.com



**THE  
HEART  
OF IT ALL™**

**Ohio.org**

## eTMS Ohio Funding

Ohio House Bill 110 of the 134th General Assembly (OR Ohio Revised Code 5902.09) directs the Ohio Department of Mental Health and Addiction Services to establish a pilot program to make electroencephalogram (EEG) combined Transcranial Magnetic Stimulation (eTMS) available for *veterans, first responders, and law enforcement officers with substance use disorders, mental illness, sleep disorders, traumatic brain injuries, sexual trauma, post-traumatic stress disorder and accompanying comorbidities, concussions or other brain trauma, or other issues identified by the individual's qualified medical practitioner as issues that would warrant treatment under the program.*

eTMS Ohio is now a fully funded statewide program through the Ohio budget through Ohio HB 33. We are also funded in Missouri, Florida, and are opening clinics in Virginia and North Carolina.

# eTMS

eTMS is a highly customized use of Transcranial Magnetic Stimulation or TMS, based on sophisticated diagnostics. It is a non-invasive, painless, and drug-free option for the treatment of a wide range of conditions.

eTMS protocols start with a quantitative EEG or qEEG. The qEEG allows us to see patterns of dysfunction that identify varying disorders of the brain, such as learning and behavioral issues, emotional disorders, brain injury, and others. The qEEG done on each patient provides us with a map that guides each individually tailored treatment.

The equipment used for treatment with eTMS is FDA-cleared. It generates magnetic waves that allow us to gently stimulate specifically targeted areas of the brain. **eTMS treatment protocols have seen some incredible success in improving conditions such as Suicide Ideation, Post- Traumatic Stress Disorder (PTSD), Traumatic Brain Injuries and Concussions, Depression, Anxiety, Sleep Disorders, and others.**

# Scale Glossary

BDI-II (Beck's Depression Inventory 2):  
Depression

Braincheck : 3<sup>rd</sup> party cognitive assessment test

GAD-7 (Generalized Anxiety Disorder-7):  
Anxiety

ISI (Insomnia Severity Index) ): Sleep  
disturbance

Opiate Craving Scale: Opiate craving

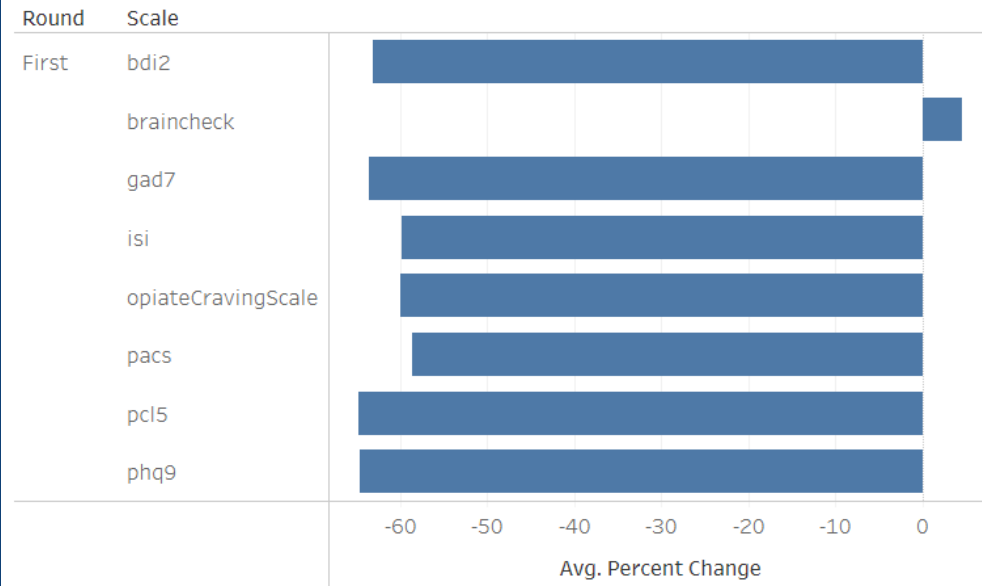
PACS (Penn Alcohol Craving Scale): Alcohol  
craving

PCL-5 (PTSD Checklist ) : Post Traumatic Stress  
Disorder

PHQ 9 (Patient Health Questionnaire):  
Depression

# % Change from Baseline for ALL Patients

Final Mean Percent Changes Since Baseline



Final Change Table

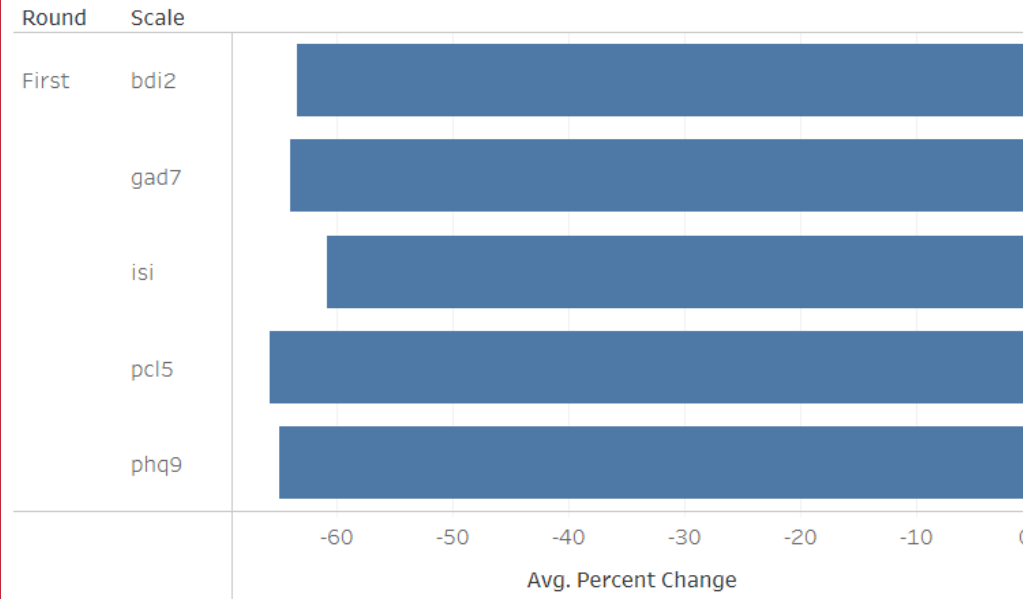
Round	Scale	n	Avg. Baseline Score	Avg. Final Score	Avg. Percent Change	Avg. Score Change	n
First	bdi2		22.10	8.16	-63.1	-13.95	382
	braincheck		96.45	100.78	4.5	4.34	191
	gad7		11.77	4.29	-63.5	-7.47	372
	isi		15.63	6.29	-59.8	-9.34	380
	opiateCravingScale		5.45	2.18	-60.0	-3.27	11
	pacs		6.95	2.88	-58.6	-4.08	265
	pcl5		34.94	12.31	-64.8	-22.63	327
	phq9		12.81	4.53	-64.6	-8.28	380

**Scale Name Index:**

- Beck's Depression Inventory-II = bdi2
- BrainCheck Cognitive Assessment Battery = braincheck
- Generalized Anxiety Disorder 7-item = gad7
- Insomnia Severity Index = isi
- Opiate Craving Scale = opiateCravingScale
- Penn Alcohol Craving Scale = pacs
- PTSD Checklist for DSM-5 = pcl5
- Patient Health Questionnaire = phq9

# % Change from Baseline for MODERATE-SEVERE Baseline Patients

Final Mean Percent Changes Since Baseline



Final Change Table

Round	Scale ‡	Avg. Baseline Score	Avg. Final Score	Avg. Percent Change	Avg. Score Change	n
First	bdi2	31.10	11.39	-63.4	-19.71	210
	gad7	15.00	5.40	-64.0	-9.61	246
	isi	20.10	7.88	-60.8	-12.22	225
	pcl5	49.58	16.97	-65.8	-32.61	180
	phq9	16.53	5.80	-64.9	-10.73	248

**Scale Name Index:**

- Beck's Depression Inventory-II = bdi2
- BrainCheck Cognitive Assessment Battery = braincheck
- Generalized Anxiety Disorder 7-item = gad7
- Insomnia Severity Index = isi
- Opiate Craving Scale = opiateCravingScale
- Penn Alcohol Craving Scale = pacs
- PTSD Checklist for DSM-5 = pcl5
- Patient Health Questionnaire = phq9

# SUD Pilot Program Results

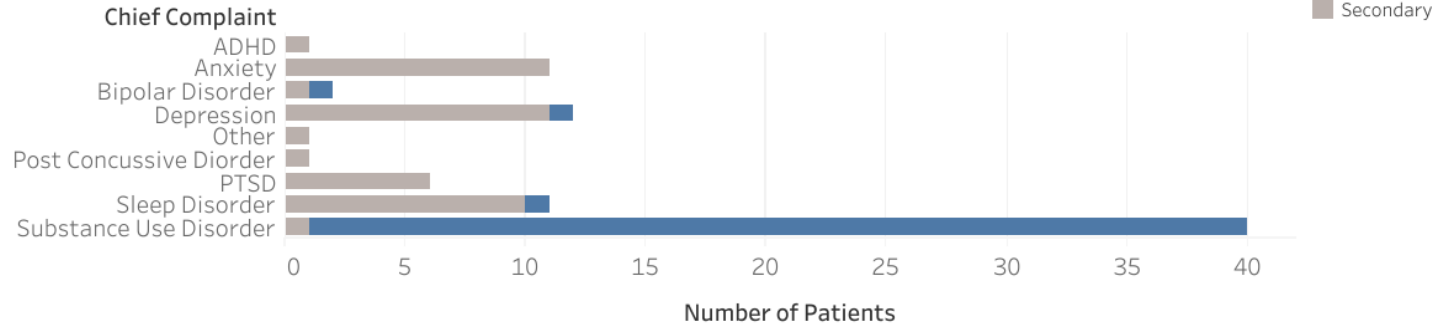
# SUD Dashboard

Baseline Date  
3/28/2001 to 8/26/2024

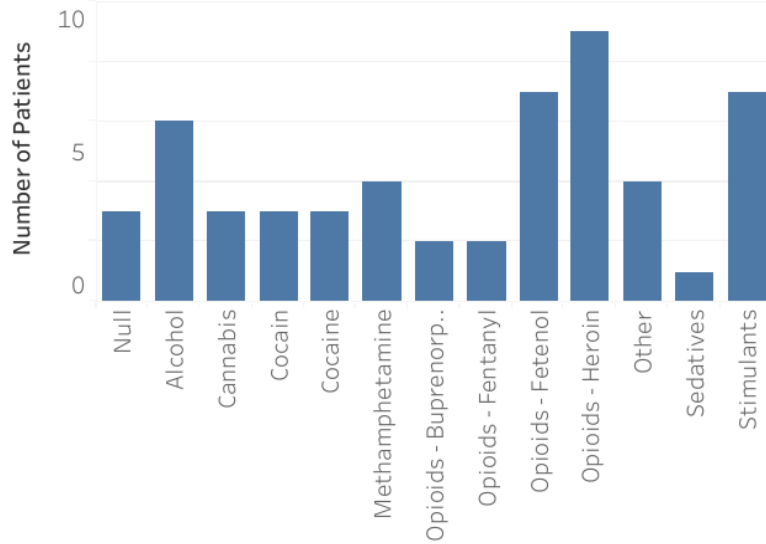
Patients Enrolled

74

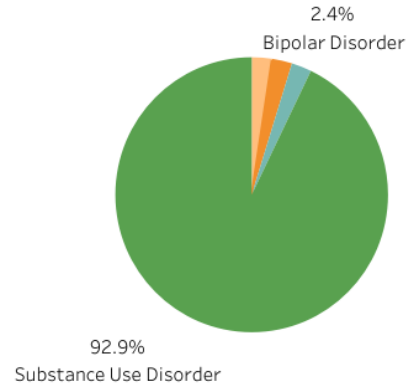
Patient Breakdown by Chief Complaint



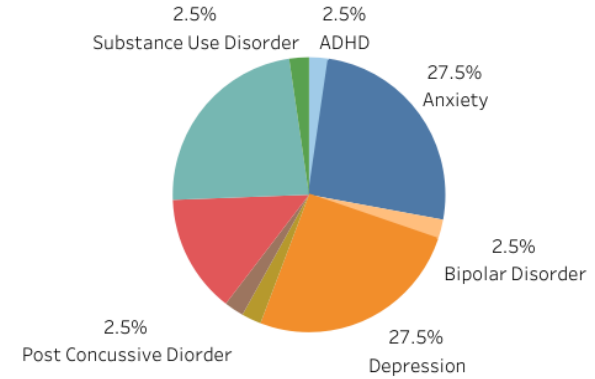
Drugs of Choice



Primary Complaints



Secondary Complaints





## Final Percent Changes Since Baseline

