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# *PARTICIPANT CRITERIA*

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*We are looking for  
participants who:*

- Are at least 18 years of age
- Have a diagnosis/prominent symptoms of OCD
- Are regularly taking medication for OCD

*We reluctantly cannot accept  
any participants who:*

- Have any brain lesions or other clinically significant abnormalities
- Are pregnant
- Have any non-MRI safe implants
- Have a history of epilepsy or seizures

If you are interested in learning more about TMS, or have any questions or concerns about our study, please contact us below.




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## CONTACT US

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Nick Bassano  
Research Coordinator  
[tmsocdstudy@stanford.edu](mailto:tmsocdstudy@stanford.edu)

 **Stanford**  
**MEDICINE** | Brain Stimulation Lab  
Stanford Psychiatry and Behavioral  
Services 401 Quarry Road  
Stanford, CA 94304

[www.med.stanford.edu/bsl](http://www.med.stanford.edu/bsl)

Participant's rights questions,  
contact I-866-680-2906.



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# Transcranial Magnetic Stimulation (TMS)

for Obsessive-Compulsive  
Disorder (OCD)

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 **Stanford**  
**MEDICINE** | Brain Stimulation Lab



# WHAT IS TMS?

## Background

Transcranial magnetic stimulation (TMS) is an **FDA-approved, non-invasive** form of brain stimulation for treatment-resistant depression.

## About the TMS Technology

Our study utilizes the Magventure Magpro System. More information can be found at: [www.magventure.com](http://www.magventure.com)

We are using an accelerated stimulation protocol which is not FDA-approved but has been deemed as non-significant risk by the FDA.

## Procedure

During your TMS treatments, you will be awake and sitting in a chair. A magnetic device is placed over your head (pictured left). This device transmits magnetic waves to brain regions linked to OCD by research.

## Potential Side Effects/Risks

The stimulation is **generally painless**. However, common side effects may include discomfort at the stimulation site, headache, and/or fatigue. The potential risk of TMS is seizure, but this is quite rare with an incidence rate of one in every 100,000 cases (1:100,000).

## STUDY BACKGROUND

TMS has shown to be an **effective form of treatment** in individuals with treatment-resistant depression.

By using a form of TMS termed **theta-burst stimulation (TBS)**, we hope that this will result in a more effective treatment by producing **faster symptom reduction**.

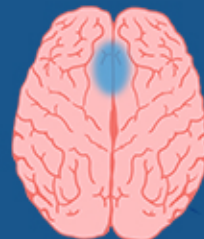
Standard FDA-approved protocols involve a 3-minute stimulation session 5 days a week for a total of 6 weeks.

We are trialing a novel form of accelerated TMS, where we will deliver **ten 10-minute sessions per day, for up to 10 days**.

## TARGET BRAIN REGIONS

This study will compare the efficacy of TMS for OCD at two distinct brain regions. Participants will be **randomized into one of two study groups**, and receive stimulation at either the DMPFC and R-OFC. Both brain regions have been linked to OCD by research.

Dorsal Medial Prefrontal Cortex (DMPFC)



Superior View

Right Orbitofrontal Cortex (R-OFC)



Medial View

Patients that don't respond to their study region will have the option to receive stimulation at the other region.