

## Validation of Flexible, Wearable Sensors to Detect and Monitor Tics

**Status:** Recruiting

### Eligibility Criteria

**Sex:** Male or Female

**Age Group:** Not specified

This study is NOT accepting healthy volunteers

**Inclusion Criteria:**

- 10 to 21 years old - must have chronic tics present for at least 1 year - must have at least one facial tic that occurs at least approximately once every 2-5 minutes

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**Exclusion Criteria:**

- active acute skin disorders - previous diagnosis of psychosis or cognitive disability - currently suicidal

### Conditions & Interventions

**Conditions:**

Brain & Nervous System, Children's Health, Mental Health & Addiction

**Keywords:**

Tic disorders, Tics, Tourette Syndrome

### More Information

**Description:** The goal of this study is to design wearable, comfortable sensors to measure muscle movement during tics. Small, flexible EMG sensors (the size of the head of a pin) will be embedded in a "band-aid like" plastic sticker which is placed on the side of the face. Participants will be video recorded as they complete movement tasks. The entire visit will take approximately 2 hours.

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**IRB**

**Number:** STUDY00022783

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