



# Pediatric Non-invasive Brain Stimulation Assessment

Technology ID

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## Category

Express License

Life Sciences/Health IT

Software & IT/Health IT

## Assessment of Non-invasive Brain Stimulation Adverse Effects

A newly-developed assessment tool designed by pediatric neuroscientists and physicians allows practitioners of pediatric non-invasive brain stimulation to anticipate and address potential issues from adverse events. The assessment helps investigators assess and manage any adverse effects from non-invasive brain stimulation – and possibly helps prevent them from occurring in the first place. In addition, the tool provides critical information for managing seizures.

## Non-invasive Brain Stimulation Assessment

The assessment is comprised of five documents:

- *tDCS Risk Mitigation* and *TMS Risk Mitigation*, used for both minor and serious adverse event management
- *Participant Report of Symptoms*, which assesses patient status
- *Seizure Management Guidelines* and *Seizure Observation Record*, which guide investigators during the event of seizure.

## BENEFITS AND FEATURES OF PEDIATRIC NON-INVASIVE BRAIN STIMULATION ASSESSMENT:

- Provides important training
- Enhances the child's experience
- May prevent some of the known adverse effects
- Guides staff in assessing and managing adverse effects
- Delivers critical information for managing seizures
- Introduces a valuable resource on the feasibility and safety of pediatric non-invasive brain stimulation clinical trials

**Phase of Development** - Pilot Scale Demonstration. License available for using assessment tool.

## Researchers

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[External Link](http://www.med.umn.edu) ([www.med.umn.edu](http://www.med.umn.edu))

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