

# Blood Disorders Study for Children and Adults

Measuring Brain Tissue Oxygen to Learn More about Sickle Cell Disease

change the outcome



CCHMC IRB # 2010-3011: V1

## What

This is a research study to determine the normal range of brain tissue oxygen levels in children with sickle cell disease (SCD). This range will be determined by comparing participants with SCD to participants with other blood disorders as well as healthy participants. The study involves one five-minute visit, during which brain tissue oxygen levels are measured with non-invasive sensors (like small bandages) that are placed on the forehead.

## Who

The study is seeking children and adults up to 25 years old who:

- Have SCD;
- Have anemia or blood disorder other than SCD; or
- Are generally healthy and do not have a blood disorder. Family members of participants in other groups can participate.

## Details

For more information, contact Taylor Buckley at [taylor.buckley@cchmc.org](mailto:taylor.buckley@cchmc.org) or 513-803-0226.



[cincinnatichildrens.org/clinical-studies](http://cincinnatichildrens.org/clinical-studies)  
[facebook.com/cincinnatichildrensstudies](https://facebook.com/cincinnatichildrensstudies)