

# HIE

## WHAT IS HIE?

**HYPOXIC** • Lack of oxygen

**ISCHEMIC** • Restricting blood flow

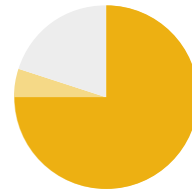
**ENCEPHALOPATHY** • Affecting the brain

## HOW MANY BABIES ARE DIAGNOSED WITH HIE?

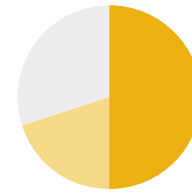
HIE occurs in 2-3 per 1,000 Live births



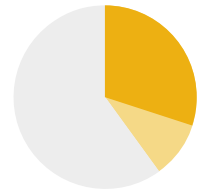
## WHAT ARE THE EFFECTS OF HIE?



**75 - 80%**  
Survival Rate



**50 - 70%**  
Experience Seizures



**30 - 40%**  
Developmental Disabilities

## SOME OF THE COMMON CAUSES OF HIE INCLUDE:

- Placental insufficiency
- Uterine rupture
- Placental abruption
- True umbilical knots
- Cord compression
- Maternal blood clotting disorders
- Fetal maternal hemorrhage
- Extremely low maternal blood pressure
- Trauma during delivery
- Placental blood clots
- Shoulder dystocia
- Cord prolapse
- Aneurysm rupture
- Cardiac arrest and near SIDS events.

## HIE CAN CAUSE OTHER CONDITIONS

Cerebral palsy, epilepsy, vision and hearing loss, speech delays, intellectual impairment, feeding issues and global delays, just to name a few. There are many treatments available for these conditions.

## HOW DO YOU TREAT HIE?

Therapeutic hypothermia, or cooling, has been shown to reduce death and disability. Patients must meet certain criteria, including gestational age, clinical presentation arterial blood gases and pH level. The cooling treatment is the most widely known and used treatment, but there are other treatments being trialed around the world.

## OUR MISSION

To foster hope in families affected by HIE through awareness, education and support.

**ONLINE**  
[hopeforhie.org](http://hopeforhie.org)

**FACEBOOK FORUMS**  
[facebook.com/HopeforHIE](https://facebook.com/HopeforHIE)

**EMAIL**  
[info@hopeforhie.org](mailto:info@hopeforhie.org)

**PHONE**  
248-574-8099 (US only)

**HOPE** for **HIE**  
awareness • education • support