

Brain Imaging Study of the  
**EFFECTS of  
NICOTINE**  
on **BRAIN ACTIVITY**

Cocaine Ecstasy Heroin Marijuana  
**NICOTINE** Teens Comparison

**What is the purpose of the study?**

To measure the effects of nicotine on brain activity.

**Who can participate in the study?**

This study is accepting men and women who:

- Are 18 to 50 years of age
- Smoke cigarettes regularly
- Are in generally good health
- Are not actively engaged in or seeking treatment for smoking

**What will participants be asked to do?**

The study consists of 5 to 6 visits.

Participants will:

- Receive nicotine intravenously
- Have blood drawn (optional)
- Answer questions about how they think and feel while having an MRI scanner take pictures of their brains
- Provide urine samples during each study visit
- Abstain from alcohol for 24 hours prior to each study visit
- Not drink more than 1/2 cup of caffeinated beverage for 12 hours prior to each study visit

**Where is the study taking place?**

The NIDA Intramural Research Program is located on the Johns Hopkins Bayview Medical Center campus in East Baltimore.

**How much does it cost?**

There is no charge for study-related medical care, including study visits and procedures.

**Will I receive payment of some kind?**

All study participants will be compensated for their time and travel.

**How can I find out if I'm eligible to participate?**

Call 1-888-OUR-BRAIN (1-888-687-2724) for a confidential screening.