**University of Colorado Boulder**

**Child Assent to Participate**

**The Adolescent Brain Cognitive Development (ABCD) Study – CU Boulder**

**Why are you in this study and who else is in the study?**

Dr. Hewitt and Dr. Banich and other scientists are doing this study to learn more about kid’s brains, how kid’s think, and how they change as they get older. You are being asked if you want to be part of this study because you are 9 or 10 years old. About 12,000 kids all over the country are being asked to be in this study and we hope you will stay in the study for 10 years so we can study the brain over time.

***Why is this study being done?***

We are trying to learn about how kids your age grow and change including how their brains change. We also want to learn how kids are similar and different from each other. We hope this study will help figure out what is good for kids at this time when their brains are changing, and also what isn’t so good for them.

***What will happen in the study?***

Interview and Questions

You will answer questions either on a computer or with a researcher about your activites, thoughts and feelings. We might ask some questions about your school, family and friends. We do not plan to tell your interview answers to anyone including your parent or caregiver. But if the researchers feel you are not safe or someone else is in danger they will need to report this to the people in charge of keeping you safe and may discuss it with your parent/caregiver. Otherwise your answers are secret.

* You will sit in a room at a desk with a researcher and you will be asked to do some activities, some of them on the computer. These are activities where you solve puzzles or have to remember things. We might have you do things as fast as you can or solve problems with numbers or words.
* We might ask you some questions to see what you know or have heard about smoking, drugs, and alcohol and if you have any experience with using these substances. Even if some of these questions do not apply to you, your answers are still very important to us. We won’t share your answers with anyone but if the researchers feel you are not safe they will discuss this with you and your parent/caregiver.
* We will also ask your parent/caregiver some questions about you and your family.

Brain Magnetic Resonance Imaging (MRI)

We will take pictures of your brain with a MRI machine which is like a giant camera. You will lie down on a bed that slides into a large tunnel that is shaped like a really big donut. You will watch a movie, press buttons, and follow some instructions while we take the pictures. We will ask you to stay still while you are in the scanner. We will put a finger cup on one finger to see how fast your heart beats and a band around your chest to measure how fast you breathe. To help you stay still, we will put foam pillows around your head. Even with the pillows the back of your head could hurt a bit from being in the same position for a long time and your eyes could get tired from looking at the screen. You should tell us if you feel uncomfortable at any time and we will help you to be more comfortable. You will also have a microphone and headphones to talk to us anytime.

The machine is loud so you will need to wear earplugs and headphones. We have a pretend scanner you can look at or practice in if you want. You will be in the MRI machine for an hour and a half. You can take a break in the middle of the MRI. It might be done in two shorter parts.

Sometimes the pictures of your brain are not as clear as we would like. If this happens, we will ask you to come in again to get better pictures. The additional pictures might take the same amount of time(one and a half hours) to complete or less. If the researchers ask you to do another MRI, you can decide you do not want to and that is okay. No matter what you can still be in the study.

If the researchers see anything unusual in the pictures of your brain, Dr. Banich will discuss this with your parent/caregiver.

Biological Samples

* We might ask you to spit into a tube so we can study cells and chemicals inside your body.
* We may ask you to give us saliva to check for smoking or drugs and to blow into a plastic tube to check for alcohol. If a test shows you have alcohol or some drugs in your body, you cannot be in the study that day. If you have alcohol or drugs in your body, we will ask you if it is ok to discuss this with your parent/caregiver.
* We may ask you for a blood sample so that we can study cells inside your body. If you choose not to give us a blood sample at this time, you can still be in the study. You may feel brief pain, or dizziness, or get a bruise, when we draw your blood. We can use a numbing cream before we draw your blood, which may reduce the discomfort.
* We may ask for some pieces of hair from your head to check for things like drugs. The hairs can be taken from a hidden spot so it won’t be noticeable.
* We may ask you or your family to give us some of your baby teeth that have fallen out to find out more about what chemicals were in your environment when you were growing up.

School records

We might ask your parent/caregiver permission to use information from your school records. The records may include attendance, classes taken, grades and test scores.

Follow up

The first time you do the study, it will take about 6 or 7 hours to do all the questions, computer games, and the brain MRI. After you do the study the first time, we will call you about every 3-6 months to ask questions about things you have been doing, how you have been feeling, and make sure we have the correct information to get in touch with you again.

Then, about 12 months after you started the study, we will ask you to come in again, but for less time (about 3-4 hours) and do some of the things you did before but no brain MRI. About 2 years after you started the study, and then again every 2 years, we will ask you to do the same things, like brain MRI, and computer games for about 6-7 hours.

***How much time does the study take and will I be paid?***

You may do the study on the same day with breaks or over two days. You will be paid for doing the study. We will give you snacks and/or a meal during the study appointments. We will not ask you to miss any school to do the study. We may still want to ask you questions for up to 10 years.

The interviews every 3-6 months will take about 15 minutes and you will be paid for each interview you do.

***Do I have to be in the study?***

You do not have to be in this study unless you want to. Even if your parent/caregiver agrees to be in the study, you can still choose not to. No one will be upset if you decide not to do the study, and you can stop at any time. You can ask questions any time and if you change your mind about doing something, you can stop right away. If we think that something is unsafe for you, we will not ask you to do it. It is very important to us that you feel comfortable and safe during the study. Tell us if something does not feel right, and we will fix it or you can stop doing it.

***Will other people find out about me?***

We will do all we can to keep your information private. We will keep all of the information in a computer, or in a storage place, but the information will only have a number to identify it, not your name. That way, only a very small number of the scientists will know which information is yours and they will be very careful to keep this secret. We will not tell anyone about your answers, that you are in the study, or any other information you give us, not even your parent/caregiver, unless we feel that something very bad could happen to you or someone else if we don’t tell. If you tell us about something that has happened that is dangerous to you or others we may have to tell others about that.

All of the information will be made available to many other researchers so that they can use it to answer questions, solve problems, and make new things. But this information will never have your name on it. To keep your information private, we will tell everyone who asks to use the information in the future that they are not allowed to try to figure out who was in the study.

This form explains the research study. Please read it carefully. Ask questions about anything you do not understand. If you do not have questions now, you may ask later.

Put an “X” by the choice you want:

\_\_\_\_\_\_\_\_\_ Yes, you want to be in the study.

\_\_\_\_\_\_\_\_\_ No, you don't want to be in the study.

**­**Please write your first and last name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature of Person Obtaining Date

Informed Assent