Transportation and meals will be provided each day.

The purpose of the camp is to give each child a positive and fun experience, while CARE uses a small part of each day to collect assessments. The rest of the day children will participate in regular camp activities like swimming, sports, art, and music.
... the CARE Program at Yale University, together with the Vermont Center for Children, Youth, and Families, are interested in learning about stress and coping in children. The goal of this research is to learn how to best help each child reach his or her potential—no matter what he or she has been through.

We and others have begun to understand how experience can influence our genes (e.g., DNA), and how experience and our genes together can influence how we respond to stress.

We are conducting a new study to learn more about genetic and environmental (e.g., trauma, social supports) factors associated with risk and resilience in youth.

Who is Eligible?

We are currently recruiting 9-15 year old youth who have experienced severe stress, trauma, and loss—as well as children who have not had these experiences.

What is Involved?

♦ You and your child will complete some interviews and questionnaires at your home or some other convenient location.

♦ Your child will give a saliva (e.g., spit) sample which contains DNA, the stuff that makes up genes.

♦ Your child's teachers will complete some questionnaires about your child's behavior at school.

♦ If your family has received services from the Department of Children and Families (DCF), CARE will review your DCF record to learn about the services you received, and the reasons for the services.

What do you get for being in the study?

♦ You will be paid $25 for your time for completing the home interviews.

♦ Your child will also attend a FREE week of summer day camp that we run as part of our research program.

♦ This summer the camp will be held at LOCATION TO BE DETERMINED.

♦ Your child will be paid for interviews and given prizes at camp for helping us with our research.

♦ Siblings between the ages of 9-15 are also welcome to be a part of the study and attend the camp.
About the Camp!

- The camp will be from 9 am to 4 pm Monday through Friday the week of TBA.
- You will be given breakfast and lunch at camp.
- You will have the chance to participate in:
  - Art
  - Swimming
  - Horse back riding
  - Rock climbing
  - Music/Theatre/Dance

CARE Program
o/a Vermont Center for Children, Youth, and Families
University Health Center
Burlington, VT 05401

Phone: 877-353-7404
Fax: 802-847-7998
E-mail: joan.kaufman@yale.edu

Vermont Center for Children, Youth, and Families
Yale University Invites you to
Summer Camp

As part of a research study offered by the
Child and Adolescent Research and Education (CARE) Program
What do you have to do?

- At the beginning of the study we will spend some time talking to you and your parents to get to know you.
- Later we will talk to your school teacher to find out how you do in school.
- At the camp you will spend a small part of each day helping us with our research.
- We will also take a spit sample to get some DNA to look at your genes. There is NO blood involved.

What do you get for being in the study?

- You will be paid $15 for finishing the first interview.
- You are invited to come to a FREE summer day camp for one week.
- You will also earn prizes at camp.
- If you have brothers and sisters between the ages of 9 and 15, they are invited to be part of the study and camp too.

Some children in our program have been through very hard and stressful times. Other children are invited because they live in the same neighborhood as the other children.

What Is a Gene?

- Genes are chemicals in your body that influence your hair color, height, and everything about you.
- You get your genes from your parents.
- We are interested in learning how genes influence how kids cope with stress.
What you Need to Know about Magnetic Resonance Imaging (MRI) Research

- Magnetic resonance imaging (MRI) uses magnetism to take pictures of the brain. Inside the machine is a large donut-shaped magnet.
- MRI does not require x-rays to take pictures. The government has published guidelines on how much magnetism and radio waves machines should use. We follow those guidelines.
- When it is turned on, the MRI machine makes loud sounds, similar to the sound of a jackhammer, so people wear earplugs.
- Some people may feel that the magnet is too close to them and may become anxious.
- If your child gets too anxious while in the MRI, they can come out and stop the study.

Contact us:
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University Health Center
Burlington, VT 05401

Phone: 877-353-7404
Fax: 802-847-7998
E-mail: TBA

University of Vermont, Center for Children, Youth, and Families and Yale University, Child and Adolescent Research and Education (CARE) Program

An MRI Research Study for Children

AT THE UVM MAGNETIC RESONANCE IMAGING CENTER
An MRI Study for Children

The Purpose of this Study:
The purpose of this study is to better understand the effects of stress on the brain, and to learn why some children develop anxiety symptoms and other problems after something scary has happened, and others do not.

Why was my child chosen?
Your child was chosen because of his or her participation in our study on risk and resilience in youth.

What's involved?
- In this study your child will have several pictures of his or her brain taken using Magnetic Resonance Imaging (MRI) - a safe technique that involves no radiation.
- You and your child will come to the Vermont MRI Center.
- Your child will have the opportunity to practice in a mock MRI scanner (pictured at left) before entering the real MRI machine.
- The total time your child will be in the scanner will be 45 minutes to an hour. We will do three types of scans measuring: the size of parts of the brain; brain activation when your child is looking at photographs of faces which will sometimes be paired with a scary noise (e.g., a scream); and brain activation when your child is resting.
- Your child can talk to us during the scan, and a member of our team will be in the room with your child during the imaging.
- In addition to doing the MRI, you and your child will also complete some questionnaires about his or her moods and behavior.

Eligibility for the study:
- Youth age 9 to 15 years
- Right-handed
- Healthy
- No orthodontic braces or other metal in his/her body
- Not pregnant
- No medications (except ibuprofen or acetaminophen)

Financial Compensation:
- You and your child will each receive $20 for completing the questionnaires.
- Your child will receive $60 for the scan.
- Reimbursement for travel expenses will also be provided.