

Title of research study: COMN Twin Study

IRB Protocol Number: 17-0513

Investigator: John K. Hewitt, Ph.D.

Sponsor: National Institutes of Health

Purpose of the Study

We invite you to take part in this research study because you and your twin have participated in either the Longitudinal Twin Study (LTS) or the Community Twin Study (CTS) in the past and have previously answered many of the questions that will be presented in this study. We want to examine how your previous data relates to the data we will collect today, and the data we will collect a year from now. Even if you do not join this study, we may contact you in the future for other studies related to the LTS and CTS.

Legal recreational marijuana use has major public health implications. The purpose of this research is to study how the legalization of recreational marijuana may affect substance use, mental health and other genetic risks. Answers from LTS and CTS twins will be compared with the answers of twins from another state (Minnesota) where marijuana is not legally available for recreational use.

We expect that you will be in this research study for about one year.

We will invite about 1440 pairs of LTS and CTS twins to be in this research study. About the same number of pairs of twins from Minnesota will also be invited to participate.

Explanation of Procedures

The study will consist of one telephone interview and two online questionnaires. After a time for the telephone interview has been scheduled, you will be provided with instructions for filling out the first online questionnaire. About a year later, we will ask you complete a second online questionnaire.

- We will call you at a pre-arranged time for the telephone interview. The interview will be conducted by one of our research assistants and will take about an hour to complete.
- The interviewer will ask you questions similar to ones you have answered for us in the past. The questions ask about your relationships with family and friends, your moods and your experiences with substance use. The telephone interview will be audio-recorded.
- Using our secure online server, you will fill out your questionnaires from home. The questionnaires will each take about an hour to complete. The first questionnaire will be

2 January 2018

IRB Approval
Date

completed around the time of your telephone interview. The second questionnaire will be completed about a year later.

- The questionnaire is similar to ones you have completed in the past and includes questions about things you like to do, your religion, your attitudes, your neighborhood and your health.

Voluntary Participation and Withdrawal

Whether or not you take part in this research is your choice. You can leave the research at any time and it will not be held against you.

Risks and Discomforts

There is a small chance that you could get distressed or embarrassed about the interviews or questionnaires. If that happens the researchers will provide you with information for contacting local counselors or therapists. The primary potential risk is a break in secrecy; protection from that risk is described below in the Confidentiality section.

Confidentiality

Information obtained about you for this study will be kept confidential to the extent allowed by law. Research information that identifies you may be shared with the University of Colorado Boulder Institutional Review Board (IRB) and others who are responsible for ensuring compliance with laws and regulations related to research, including people on behalf of the Office for Human Research Protections. The information from this research may be published for scientific purposes; however, your identity will not be given out.

Data collected in this study will also be analyzed by our collaborators at the University of Colorado at Denver and at the University of Minnesota.

Our funding agency, the National Institute on Drug Abuse, requires that after all identifying information has been removed, data be made available to other approved, qualified researchers at outside institutions who are not part of the COMN research team.

A Certificate of Confidentiality has been obtained from the federal government for this study to help insure your privacy. This certification means that the researchers cannot be forced to tell people who are not connected with the study, such as the court system, about your participation in this study. But, if you request that we do so, we will release information that is unique to you.

After being uploaded to our secure server, audio files will be kept there indefinitely and only identifiable by ID number.

There are three exceptions to this promise of confidentiality:

1. If we see or are told information that makes us reasonably suspect that a child or at-risk adult is being or has been abused, mistreated, or neglected, we will immediately report that information to the county department of social services or a local law enforcement agency.
2. If we learn of a serious threat of imminent physical violence against a person, we will report that information to the appropriate legal authorities and make reasonable and timely efforts to notify the potential victim.
3. This promise of confidentiality does not include information we may learn about future criminal conduct

2 January 2018

IRB Approval Date

IRB Document Revision Date: August 25, 2017

Payment for Participation

If you agree to take part in this research study, we will mail you \$150 by check for your time and effort on the following schedule:

- \$100 by check for completion of the telephone interview (\$60) and first questionnaire (\$40)
- \$50 upon completion of the second questionnaire about a year after the first questionnaire

It is important to know that payment for participation is taxable income.

Questions

If you have questions, concerns, or complaints, or think the research has hurt you, talk to the research team at 303-492-4473. This research has been reviewed and approved by an Institutional Review Board (IRB). You may talk to them at (303) 735-3702 or irbadmin@colorado.edu if:

- Your questions, concerns, or complaints are not being answered by the research team.
- You cannot reach the research team.
- You want to talk to someone besides the research team.
- You have questions about your rights as a research subject.
- You want to get information or provide input about this research.

Signatures

Your signature documents your permission to take part in this research.

Signature of subject

Date

Printed name of subject

Signature of person obtaining consent

Date

Printed name of person obtaining consent

2 January 2018

IRB Approval Date

IRB Document Revision Date: August 25, 2017