

Participant #: _____

Draft Test Script

Things to have available:

1. Audio Recorder
2. Alcohol pads
3. Consent Forms
4. iPad (Eric / Fiona)
5. Eric's Wifi hotspot
6. Note taking materials - do not bring in pens with clips
7. Heart Rate Equipment
8. VR Gear
9. Surveys/Questionnaires/Assessments
 - 9a. Alcohol and Drug Use Measure
 - 9b. Opioid Overdose Knowledge Questionnaire
 - 9c. CES-D
 - 9d. Traumatic Events Scale

The following items will be completed by Fiona/RA while the HR equipment is setup.

(Start) Baseline Time: _____

1. Demographic
2. Alcohol/Drug Use Measure
3. Opioid Knowledge Questionnaire
4. CES-D
5. Traumatic Event Scale

Introduction & Heart rate Baseline

Thank you for being here today. We are researchers working to get a better understanding of virtual reality equipment in the jail setting. Over the next hour, we're hoping to get some information from you on what you think of virtual reality in a jail setting. During this activity we will have you use the equipment during a short exercise and then tell us things like your comfort level while using the VR gear, your overall experience, and any thoughts you may have on this technology.

I have *[note taker]* here with me today to take notes so we can review them later. I will occasionally ask them if they have any questions, but for the most part they are just here to observe. Also, we will be recording our conversation today. This is simply for us to remember what you say about your experience. We can turn off the recorder at any point you wish.

Before we get started, I want to cover a few things. First off, your comfort and safety during the activities are very important. If at any point you feel like you want to stop, just let us know. This is all voluntary and you don't have to answer any questions you don't want to.

START AUDIO RECORDER

****Announce Participant # Verbally****

We also want to make it clear that this isn't a test and there is no right or wrong answer for any of the questions we ask you today. Participating in this project will not influence your probation decisions in any way. We want to get feedback from individuals on virtual reality equipment in a jail setting and it's important we start by talking to people like yourself. Your experience and any insight you have is unique and valuable to us.

Do you have any questions for me before we move forward?

1. Introduction, Demographic, Exposure: time 0:00 (5 min for this section)

Purpose: Gather data on current exposure and perception to virtual reality and establish baseline heart rate.

I have a few questions to get a better understanding of your views and experience with virtual reality.

1. Exposure and Perception to Virtual Reality

- a. Have you ever heard of virtual reality?
- b. Can you take a moment to describe virtual reality? Tell me what you know about VR.
 - i. (If they have heard of VR): You mentioned VR used in [gaming, etc.]. What else can virtual reality be used for?
 - ii. (If they haven't heard of VR): So, VR is basically an environment that's created by the computer that seems real. It's kind of like if you were able to interact with something you're watching on TV and it looks 3-D. What are your initial thoughts about something like this?

Virtual reality is a computer generated space that allows a person to interact with the space as if they were in it. Virtual reality is currently used for entertainment such as viewing 3D movies and playing video games. However, it is also being used for things like online shopping, workplace training, physical therapy, and rehabilitation

- Remove cloth - Orient the participant to each piece of gear:
 - Laptop
 - Goggles
 - Hand Controllers
 - Sensors
 - Environment
 - Blue Grid

(PRE-TEST):

I want you to think a little about some things you think virtual reality could be used for. Can you name a few?

4. Tell me three things you'd be interested in using VR for while you're here (in the jail)?
5. What are some good things about using virtual reality equipment here (in the jail)?
6. What are some not so good things of using virtual reality equipment here (in the jail)?

Provide Likert Scale on paper

7. Would you be interested in using virtual reality at the jail?
 - a. (1 being not at all interested and 7 being very interested).
 - b. What makes you interested (or not interested) in using VR?
8. Would you be willing to use virtual reality at the jail?
 - a. (1 being not willing at all and 7 being very willing).
 - b. What makes you (willing or not willing) to use VR?

(Stop) Baseline Time:_____

2. Orientation VR Condition: time 0:05 (15 min for this section)

Prepare equipment and have participant navigate the activity.

Talk aloud protocol: Feel free to talk about some of the things you're seeing and feeling while you try this out.

Now that you've tried virtual reality, we want to know how you felt about your experience.

11. What did you think about that this activity?
12. How did it make you feel?
13. Would you be open to doing more activities with virtual reality? Why or why not?
14. How would you describe this experience to someone unfamiliar with VR?

During the orientation activity I felt:

Likert scale (1 being I disagree, 7 being I agree)

4. I felt tense or wound up
5. I felt at ease and relaxed
6. I felt frightened
7. I felt paranoid
8. I enjoyed this activity

(Start) Time: _____

3. Mindfulness VR Condition: time 0:20 (15 min for this section)

Prepare equipment and have participant navigate the activity. Instruct participants on how to use the hand controllers and how to select the 'green meadows' activity within the app. Allow 10 minutes for the participant to use the app.

1. **Perceived ease of use**

- a. *Did you find the activity easy to use?*
- b. *Would you feel confident that you could use this equipment after some instruction?*

2. **Enjoyment/Excitement**

- a. *Did you enjoy the experience of using the virtual reality headset?*
 - b. *Did you find using virtual reality technology to be exciting?*
 - c. *What parts of the experience did you like?*
 - d. *What parts of the experience did you dislike?*
- 3. Immersion**
- a. *Were you able to immerse yourself within the activity?*
 - i. *How lost did you feel / were you able to be fully involved?*
 - b. *Were you able to focus on the activity?*
 - c. *At any time during the activity did you feel distracted?*
- 4. Presence**
- a. *Were you distracted at all during the activity?*
 - i. *Were you bothered by anything during the activity?*
 - b. *[Noise] - Did you hear anything that didn't fit in with the experience?*
- 5. Interactivity**
- a. *Were you able to interact with the nature scenes you saw?*
- 6. Cybersickness**
- a. *At any point during the activity, did you feel sick? (Nausea, motion sickness, etc.)*
 - b. *Was there a particular section of the activity that made you feel that way?*
- 7. Safety/Trust/Isolation**
- a. *Did you feel safe during the activity?*
 - b. *Did you ever feel vulnerable at all during the activity?*
- 8. Personality Traits**
- a. *Observation of participant's demeanor by researchers (proficiency, personality, other observations)*

4. Qualitative Concept Review (feasibility): time 0:35 (25 min for this section)

Ok, now that you have a better idea of what VR is like, can you think of any ways that you'd be interested in using this technology that you might not have mentioned before?

1. Tell me about the activities you take part in here at the jail.
 - Probe about recreational activities
 - Probe about education and training
 - Do you participate in any of the courses or classes offered by the jail?

2. What are some benefits to virtual reality being offered here? (only mention if they don't answer first to avoid leading as much as possible Recreation, training, therapy/counseling, etc.)
 - How do you think other people here would react if virtual reality programs were offered? Probe for other inmates
 - i. Depending on activities mentioned, steer focus to recreation/therapeutic/etc.
3. In regards to decision making:
 - VR is being used a lot in the military to help soldiers coming back home from war. They use it to learn skills like driving or things to help them get a job. It's used a lot to help with PTSD and prevent relapse from drug use.
 - i. Do you feel that a program like this would benefit you while you're here (in jail)? *Probe for descriptive data*
 - ii. Would it benefit other people here? Who is most likely to benefit from VR programs?
 - How would you feel if VR was used to assist you in learning new skills?
4. Do you participate in counseling that takes place at the jail?
 - If yes, What has that experience been like?
 - i. Do you feel VR could enhance these sessions?
 - If no, would you be more likely to use the counseling services here if they had a VR program?

(POST-TEST):

- **Provide Likert Scale on paper**
5. Would you be interested in using virtual reality at the jail?
 - a. (1 being not interested at all and 7 being very interested).
 - b. What makes you interested or not interested in using VR?
 6. Would you be willing to use virtual reality at the jail?
 - a. (1 being not willing at all and 7 being very willing).
 - b. What makes you (willing or not willing) to use VR?

End time: 1:00 (1:15 including demographic and HR setup)