

Instructions: Read this information before you begin the survey.

What is this? You are being asked to take part in a research study. This means we want to learn more by asking you some questions and letting you try out a game. It's totally your choice whether you want to be in the study or not.

What will I be doing? If you agree to be in the study, here's what you'll do:

1. You'll take a short survey (starting on the next page, will take about 3-5 minutes) before you play the game.
2. You'll play a virtual reality (VR) game called *Play Higher* for about 20-25 minutes. The game shows you what it's like to work as a social worker helping people.
3. After the game, you'll take another survey (about 15 minutes) to tell us what you learned and how the game felt to play, and if you liked it or not.

Do I have to do this survey? No. You don't have to complete the survey if you don't want to. Nobody will be upset if you say no. You can also stop at any time, even after you start. You can skip any questions you don't want to answer.

Will I get in trouble if I don't? Nope! This is not a test, and it won't affect your grade. You won't get in trouble if you choose not to take part.

Is it safe? Yes. The game is safe, but sometimes VR can make people feel dizzy or get a headache. If that happens, you can stop playing right away. There's also a computer version for your Chromebook you can use instead of the VR headset if you'd rather do that.

Will anyone know what my answers are? Your answers are private. We will not use your name in anything we write about the study. Only the researchers will see your answers.

Do I get anything for being in the study? You won't get money or a prize, but you'll get to try out a cool game and you might even find out about a job that you're interested in!

What if I have questions? If you have any questions, you can ask your teacher/counselor/social worker or the researcher, Dr. Megan Gandy (megan.gandy@mail.wvu.edu).

Do you want to be in this study? Please check one and then sign below:

☐ Yes, I want to be in the study. --OR-- ☐ No, I do not want to be in the study.

Your Name (print): _____

Your signature: _____ Date: _____

Student Name: _____

Date of survey: _____

Play Higher Student Pre-Game Survey

To be completed **Before** playing the Play Higher game

This survey is to be completed **before** playing the Play Higher game. Please answer the questions the best you can, and it's okay if you do not know the answer to a question. You can skip any question you don't want to answer. If you have questions, please ask your teacher/counselor/social worker.

Instructions: Demographics: These first few questions ask you to share a little about yourself.

- 1.) What is your age?
- 2.) What grade are you in?
- 3.) What is your race?
- 4.) What is your gender?
- 5.) Did your parents go to college?
Circle one: Yes or No or Don't know
- 6.) Do you get free lunch (now or in the past)?
Circle one: Yes or No or Don't know

Instructions: Careers

The next group of sentences will ask you to think about your future job or career. These sentences are about jobs in behavioral health and social work. For each one, **circle a number** from 1 to 7. A lower number (1) means you don't agree, a higher number (7) means you agree more, and 4 means you are neutral or in the middle.

- 7.) I am aware of my interests and how they might relate to a future career in behavioral health social work.
Strongly Disagree Strongly Agree
1 2 3 4 5 6 7
- 8.) I know what I am good at and how that might relate to a future career in behavioral health social work.
Strongly Disagree Strongly Agree
1 2 3 4 5 6 7

[please turn the page over to see the rest of the questions]

9.) I have some understanding of possible course/career options available to me in behavioral health social work.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

10.) I have some understanding of behavioral health social work and many of the occupations (jobs) in it.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

11.) I have identified some course/career options in behavioral health social work which are of interest to me or might suit me.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

12.) I have researched a range of occupations (jobs) in behavioral health and social work.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

13.) I have visited some workplaces in behavioral health social work.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

14.) I have asked some adults about the work that those in behavioral health social work fields do.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

15.) I have thought about a future career in behavioral health social work.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

16.) I am confident I could be successful in a behavioral health social work occupation (job).

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

The total cost of the Play Higher program is \$93,747.75. \$93,747.75 (100%) is funded through a U.S. Department of Labor – Employment and Training Administration grant.

Student Name:

Date of survey:

Play Higher Student Post-Game Survey

To be completed **After** playing the Play Higher game.

*This survey is to be completed **after** playing the Play Higher game. Please answer the questions the best you can, and it's okay if you do not know the answer to a question. You can skip any question you don't want to answer. If you have questions, please ask your teacher/counselor/program leader.*

Instructions: Careers

*The next group of sentences will ask you to think about your future job or career. These sentences are about jobs in behavioral health and social work. For each one, **circle a number** from 1 to 7. A lower number (1) means you don't agree, a higher number (7) means you agree more, and 4 means you are neutral or in the middle.*

- 1.) I am aware of my interests and how they might relate to a future career in behavioral health social work.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

- 2.) I know what I am good at and how that might relate to a future career in behavioral health social work.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

- 3.) I am aware of my strengths and how they might relate to a future career in behavioral health social work.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

- 4.) I have some understanding of possible course/career options available to me in behavioral health social work.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

5.) I have some understanding of behavioral health social work and many of the occupations (jobs) in it.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

6.) I have thought about a future career in behavioral health social work.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

7.) I am confident I could be successful in a behavioral health social work occupation (job).

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

Instructions: Motion Sickness

In this part of the survey, think about how you felt physically while playing the Play Higher VR game. On a scale of 0-3, where lower numbers (0) mean less and higher numbers (3) mean more, rate how much you felt the following:

8.) General Discomfort

Not at all

Very

0 1 2 3

9.) Fatigue (Feeling Tired)

Not at all

Very

0 1 2 3

10.) Eyestrain

Not at all

Very

0 1 2 3

11.) Difficulty Focusing

Not at all

Very

0 1 2 3

12.) Headache

Not at all

Very

0

1

2

3

13.) Fullness of head

Not at all

Very

0

1

2

3

14.) Blurred Vision

Not at all

Very

0

1

2

3

15.) Dizzy (when you closed your eyes)

Not at all

Very

0

1

2

3

16.) Vertigo (dizzy when your eyes were open and unsteady)

Not at all

Very

0

1

2

3

Instructions: Gameplay

*In this part of the survey, think about the Play Higher VR game. For each one, **circle a number** from 1 to 7. A lower number (1) means you don't agree, a higher number (7) means you agree more, and 4 means you are neutral or in the middle.*

Usability/Playability

17.) I think it is easy to learn how to play the game.

Strongly Disagree

Strongly Agree

1

2

3

4

5

6

7

18.) I find the controls of the game to be straightforward.

Strongly Disagree

Strongly Agree

1

2

3

4

5

6

7

19.) I always know how to achieve my goals/objectives in the game.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

20.) I think the information provided in the game (e.g. on-screen messages, help) is clear.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

Narratives

21.) I am emotionally moved by the events in the game.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

22.) I am very interested in seeing how the events in the game will progress.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

23.) I can clearly understand the game's story.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

Enjoyment

24.) I think the game is fun.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

25.) I enjoy playing the game.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

26.) I feel bored while playing the game.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

27.) I am likely to recommend this game to others.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

Instructions: Learning Response

*In this part of the survey, think about how the Play Higher VR game impacts your learning. For each one, **circle a number** from 1 to 7. A lower number (1) means you don't agree, a higher number (7) means you agree more, and 4 means you are neutral or in the middle.*

Representational Fidelity

28.) The realism of the 3-D images motivates me to learn.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

29.) The 3-D images make learning more interesting.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

30.) Attention check question: to show that you are paying attention, please select "1 Strongly Disagree" for this question.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

31.) The realism of the 3-D helps enhance my understanding.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

Perceived Usefulness

32.) Using this type of virtual reality as a tool for learning will increase my learning and academic performance.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

33.) Using this type of virtual reality will enhance the effectiveness of my learning.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

34.) This type of virtual reality will allow me to process at my own pace.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

35.) This type of virtual reality is useful in supporting my learning.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

Control and Active Learning

36.) This type of virtual reality helps me to have a better overview of the content learned.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

37.) This type of virtual reality allows me to be more responsive and active in the learning process.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

38.) This type of virtual reality allows me to have more control over my own learning.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

39.) This type of virtual reality promotes self-paced learning.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

40.) This type of virtual reality helps to get me engaged in the learning activity.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

Presence

41.) My interaction with the simulation environment seemed natural.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

42.) My experiences in the virtual environment seemed consistent with real world experiences.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

Satisfaction

43.) I was satisfied with this type of virtual reality learning experience.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

44.) I was satisfied with the immediate information gained in this type of virtual reality learning environment.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

Behavioral Intention

45.) I would like to participate in educational activities that use virtual reality.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

46.) I would study more if I had access to virtual reality in my field of study.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

Motivation

47.) I enjoy going through the Play Higher game very much.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

48.) The Play Higher game experience is fun to do.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

49.) The Play Higher game was boring.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

50.) The Play Higher game did not hold my attention at all.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

51.) I would describe the Play Higher game as very interesting.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

52.) I thought that the Play Higher game was quite enjoyable.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

53.) While I was doing the Play Higher game I was thinking about how much I enjoyed it.

Strongly Disagree

Strongly Agree

1 2 3 4 5 6 7

54.) Did you play the Play Higher game on a VR headset or a computer?

Circle one: Computer or VR headset

Thank you for taking part in the Play Higher virtual reality game and for letting us know about your experiences with it!

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