CITI PROGRAM

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Defining Research with Human Subjects - SBE

Georgia Institute of Technology - Group 2 Social / Behavioral Research Investigators and Key Personnel

Quiz Results

You correctly answered **5 of 5** quiz questions.

Question 1

Question	According to the federal regulations, which of the following studies meets the definition of research with human subjects?
Your Answer	A cognitive psychologist enrolls undergraduate students for a computer-based study about the effect of mood on problem-solving behaviors.
Result	**Correct**
Comment	A cognitive scientist studying the effect of moods on problem-solving behaviors is asking a research question and is interacting with living individuals. Questioning a superintendent of schools to acquire data about the ethnic composition of a school system is asking "about what" questions rather than "about whom" questions (if a study proposed interviewing the superintendent of public schools about his or her experience in the field of education or about his or her

perceptions about the current problems within the school system and possible solutions, the questions would become "about whom"). Analyses of public behavior such as writing for a blog or a newspaper do not meet the definition because there is no interaction or intervention with a human subject and no collection of private information. Finally, in the class exercise described, the intention is pedagogical (to learn how to conduct and interview) rather than to answer a research question.

Question 2

Question   A medical record is an example of:

Your Answer   Private information

Result   **Correct**

Comment

A medical record is considered private because it includes identifiable information that has been provided for specific purposes by an individual and that the individual can reasonably expect will not be made public. A medical record is not considered public information, nor is it considered a behavior.

Private information includes information that occurs in a context in which an individual can reasonably expect that no observation or recording is taking place, and information that has been provided for specific purposes by an individual and that the individual can reasonably expect will not be made public (for example, a medical record).

Private information must be individually identifiable (i.e., the identity of the subject is or may readily be ascertained by the investigator or associated with the information) in order for obtaining the information to constitute research involving human subjects per federal regulations (45 CFR 46.102(e)).

Question 3

Question A census is a regularly-occurring and official count of a particular population. Census data available at the United States Census Bureau website are an example of:

Your Answer Public information

Result **Correct**

Comment Census data is a public source of data. The summarized data presented are available to individuals via the web without requiring a password.. When an individual completes the census form, there is no expectation that the data will remain private. Census data do not describe behaviors, but provide information about members of a given population.

Question 4

Question According to the federal regulations, which of the following studies meets the definition of research with human subjects?

Your Answer A developmental psychologist videotapes interactions between groups of toddlers and their caregivers to determine which intervention methods most effectively manage aggression.

Result **Correct**

Comment The study of passenger lists is a study of individuals who are no longer living. A human subject is a living individual. Questioning individuals to acquire data about the number of newly diagnosed HIV cases is asking "about what" questions rather than "about whom" questions. Conducting a linguistic analysis of comments posted on a public blog involves neither interaction with individuals nor collecting private identified information and thus does not meet the definition of research with human subjects. The study proposed by the developmental psychologist does meet the definition of research with human subjects. It involves interactions with living individuals and is designed to contribute to a field of knowledge.

Question 5

Question   According to the federal regulations, which of the following studies meets the definition of research with human subjects?

Your Answer   A study of twenty 4th grade classrooms in which researchers ask the schools to systematically vary the time of day reading is taught, and collect weekly assessments of reading comprehension for each child over a three-month period.

Result   **Correct**

Comment

The study in the 4th grade classrooms about the relationship between the time of day reading is taught and reading comprehension does meet the definition of research with human subjects. The study is designed to contribute to generalizable knowledge about student performance and the research question can only be answered using a systematic investigation.

Information collected by the playground designer does not involve any information about human subjects even though it does involve interaction between the designer and school staff. An analysis of aggregate data doesn't involve interactions with living individuals nor the collection of private identifiable data. An economic feasibility study will gather information from people with relevant information and expertise but does not meet the definition of research with human subjects, because the intention of the study is to answer "about what" questions rather than "about whom" questions.

You scored 100% on the quiz.

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