**Chapter 4.1 & 4.2: Samples & Surveys and Experiments**

**Study #1:** A study about physical activity was conducted with over 9,000 women over 50 years old from Maryland, Minnesota, Oregon, and Pennsylvania. The women were selected randomly from a telemarketing database and asked about their physical activity as teenagers and at ages 30 and 50. A press release about this study generalized the study results to all American women. In the press release, the researcher wrote:

“Our study shows that women who are regularly physically active at any age have lower risk of cognitive impairment than those who are inactive, but that being physically active as a teenager is most important in preventing cognitive impairment.”

Analyze and critique this study using the six questions discussed in class.

Partner #1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Analysis:

Partner #2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Comments on your partner’s analysis:

**Study #2:** The handwashing behavior of adults using public restrooms at airports was the subject of a study conducted by the American Society of Microbiology (ASM). A press release issued by the Society included the following description:

Although illnesses as deadly as SARS and as trouble-some as the common cold or gastric distress can be spread hand-to-hand, the survey sponsored by the ASM found that many people passing through major U.S. airports don’t wash their hands after using the public facilities. More than 30% of people using restrooms in New York airports, 19% of this in Miami’s airport, and 27% of air travelers in Chicago aren’t stopping to wash their hands. The survey, conducted by Wirthlin Worldwide in August 2003, observered 7,541 people in public washrooms in New York, Chicago, San Francisco, Dallas, Miami, and Tonornto.

The results were generalized to people who use public restrooms.

Analyze and critique this study using the six questions discussed in class.

Partner #1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Analysis:

Partner #2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Comments on your partner’s analysis: