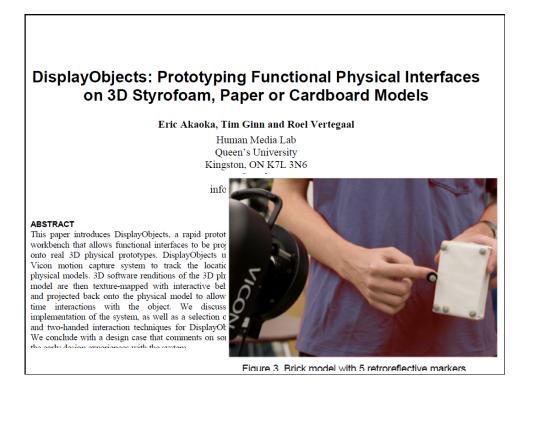




Figure 2. A user clicks on an interface component by tapping

FrameWire: A Tool for Automatically Extracting Interaction Logic from Paper Prototyping Tests

Yang Li Xiang Cao Katherine Everitt Morgan Dixon James Landay





Pers Ubiquit Comput (2008) 12:269–277 DOI 10.1007/s00779-007-0147-2

ORIGINAL ARTICLE

Adapting paper prototyping for designing user interfaces for multiple display environments

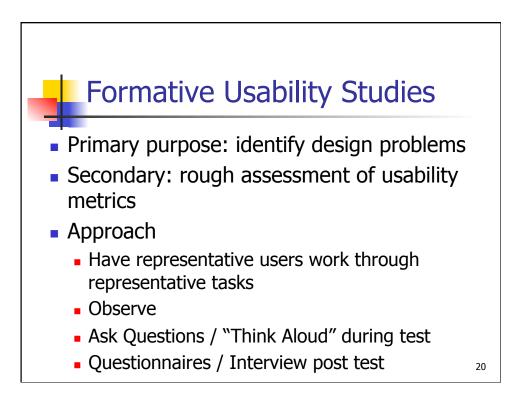
Brian P. Bailey · Jacob T. Biehl · Damon J. Cook · Heather E. Metcalf

Received: 13 February 2006 / Accepted: 2 © Springer-Verlag London Limited 2007

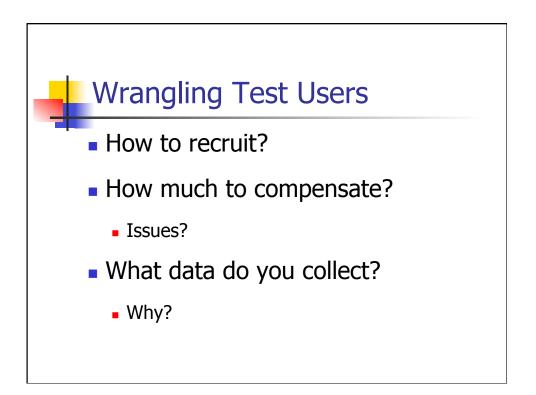
Abstract A multiple display en networks personal and shared devic workspace, and designers are just b with the challenges of developing





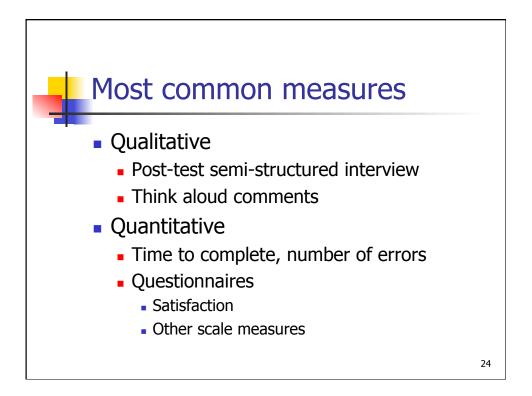


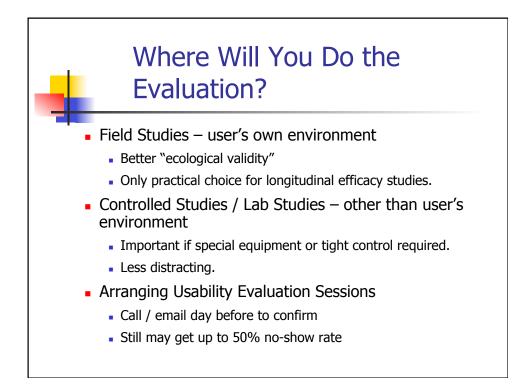


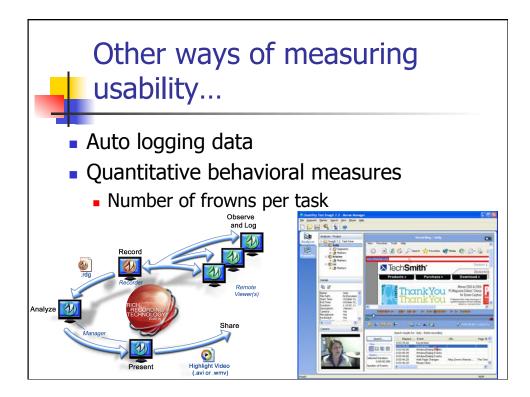


Always collect basic demographics

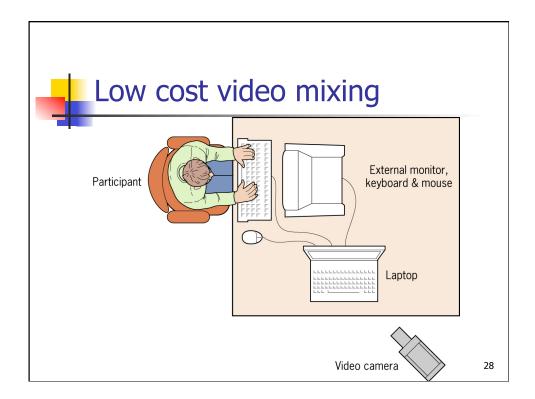
- Age
- Gender
- Race (?)
- Educational level
- Computer literacy
- Experience using similar applications
- If student: year, major
- Etc



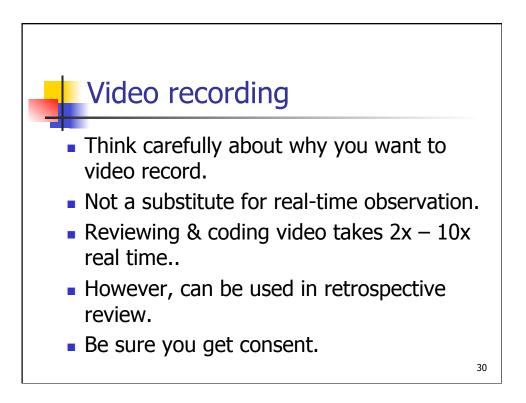


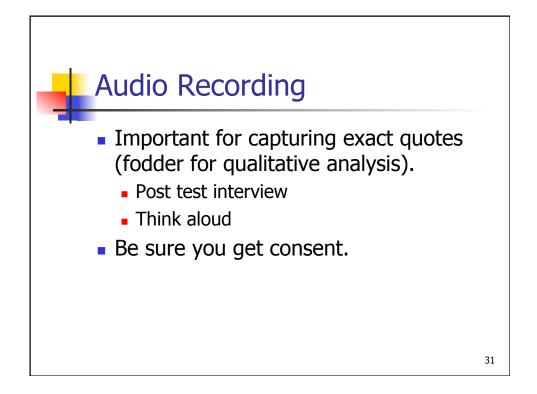


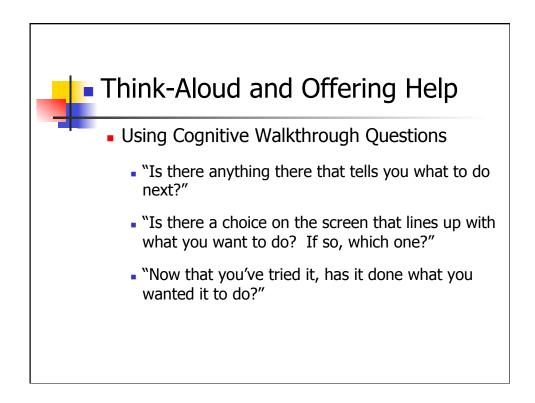


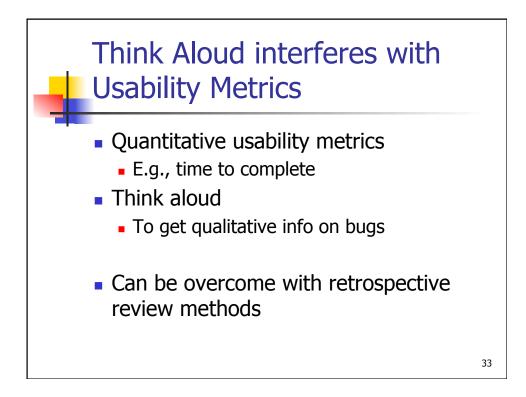


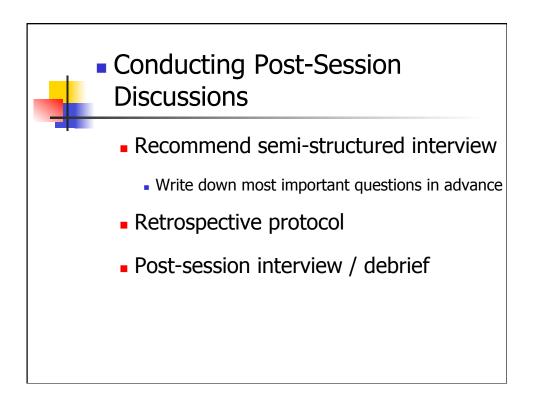


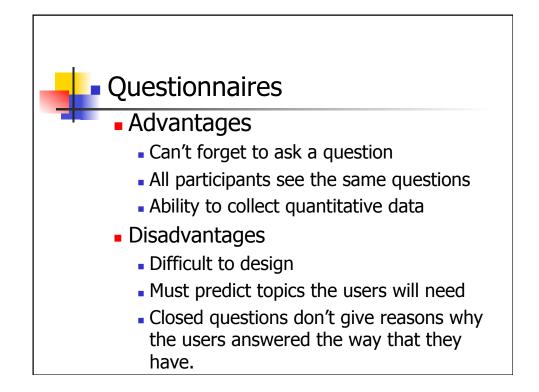


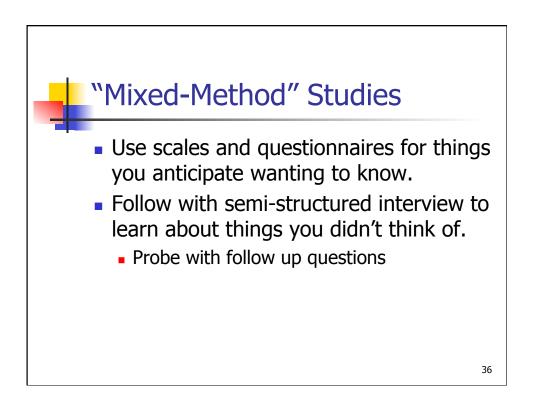


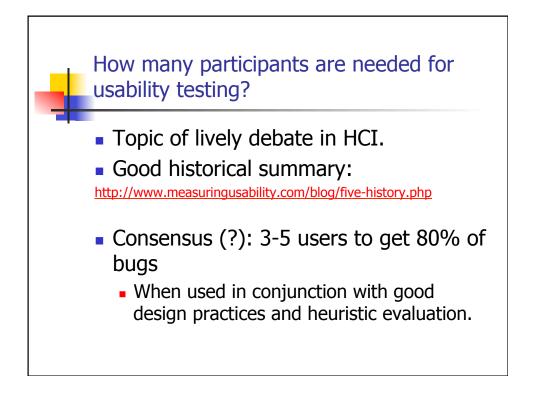


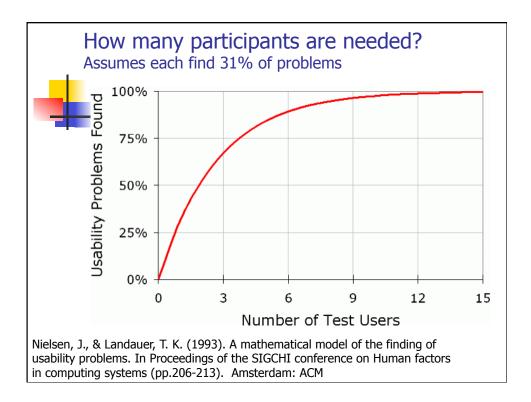


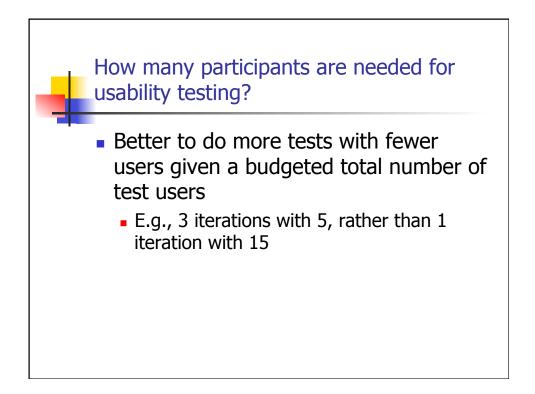


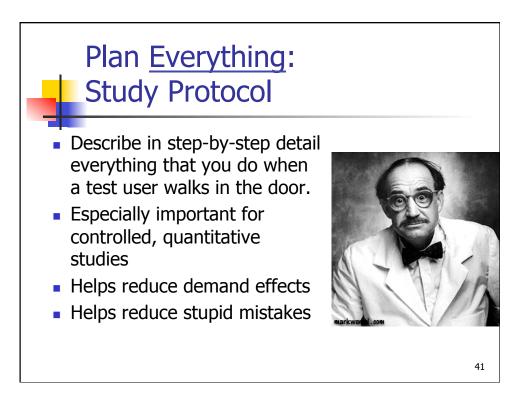












PDA ECA Modality Study Protocol

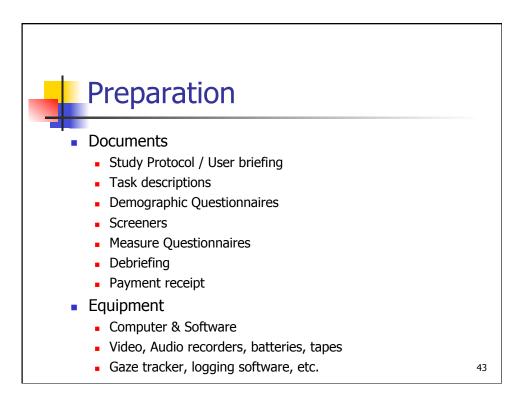
[Subject is assigned sequential ID at time appointment is made. Subject is randomized during lab setup just prior to experiment. Configure and check PDAs, make sure they are charged. Write subject ID and study configuration number on all forms]

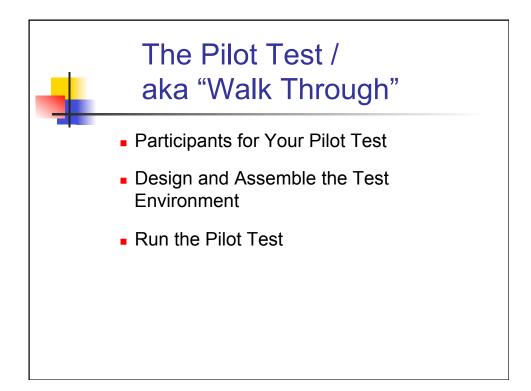
[Seat subject at desk in observation room. Experimenter stands.]

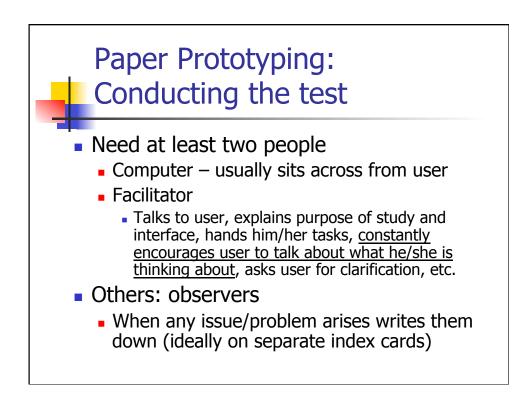
Thanks for helping out with this experiment. Let me tell you what you're going to be doing in the study. We're building an animated virtual exercise coach to help people get more exercise. This coach works on a PDA so that it is portable. **[Show PDA]** Today you will be talking to four different animated coaches, primarily so we can test how well people are able to interact with them. You will not be asked to do any exercise. You will interact with each coach for about five minutes. After each interaction we will ask you to fill out a questionnaire telling us what you thought about it. The entire study should take about 30 minutes and it pays \$10.

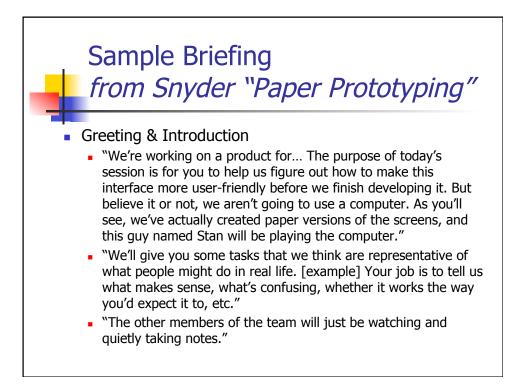
Are you able to help us out with this?

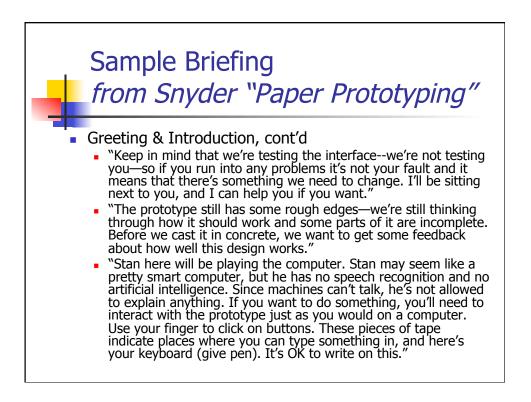
Now I need you to sign some consent forms. **[hand subject forms]** You can go ahead and read the consent forms now. **[Give subject time to read and sign consent forms.] [Collect consent forms.]**

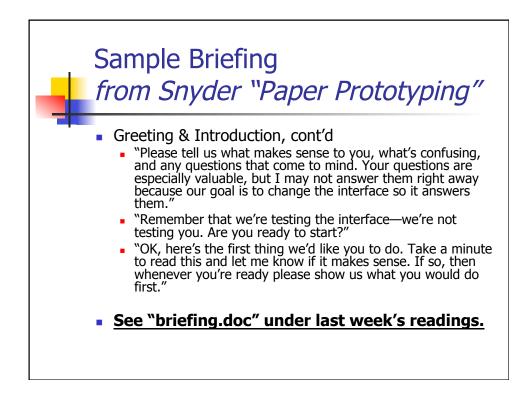


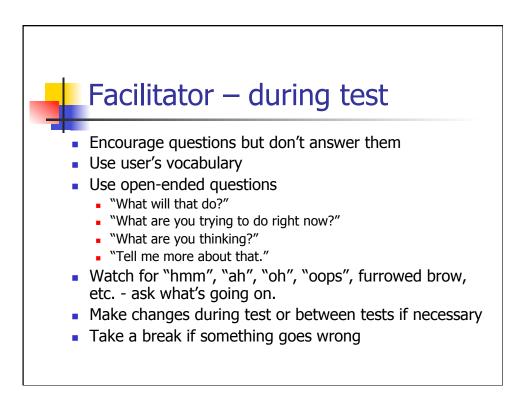






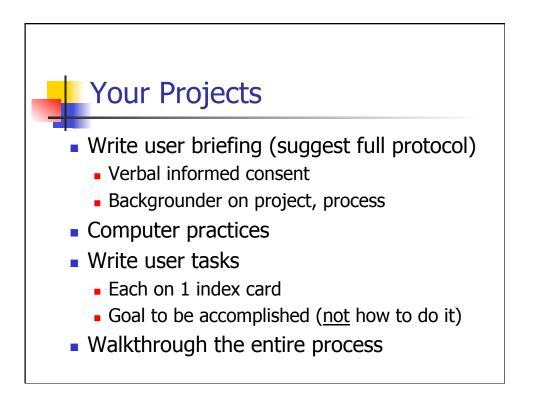


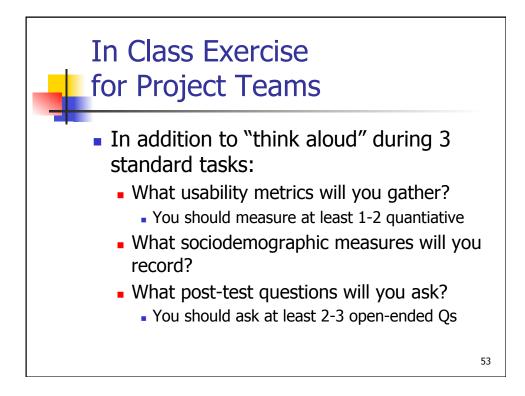




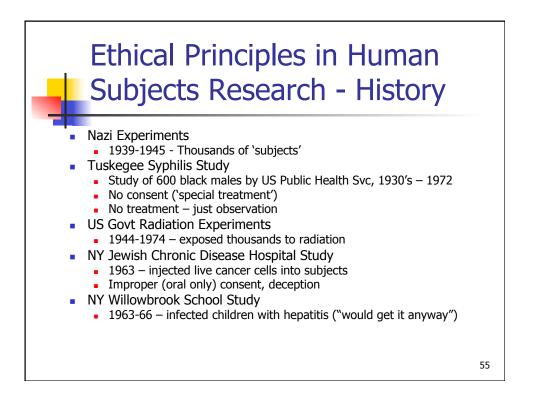


- Spend a few minutes immediately after the test meeting with the testing team, discussing results, clarifying problems, and writing down prioritized problems.
- Classify usability problems as: critical, serious, or minor
- Correct significant problems that can be fixed before the next test.

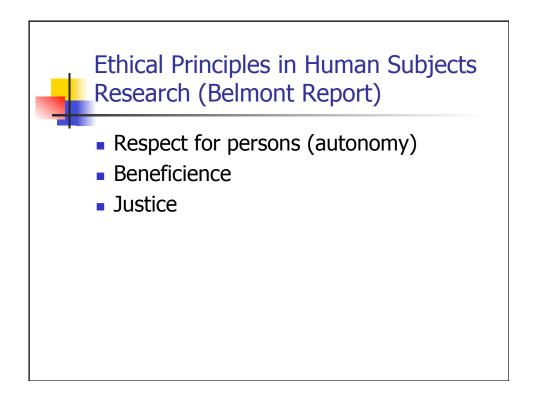




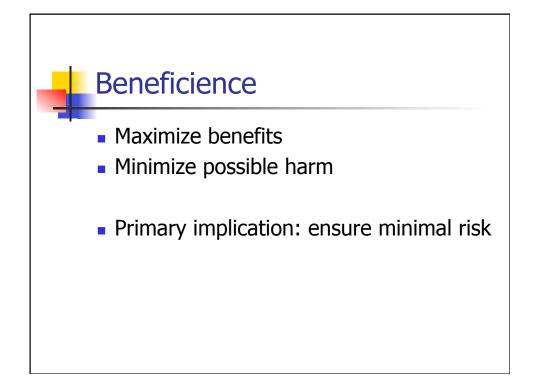


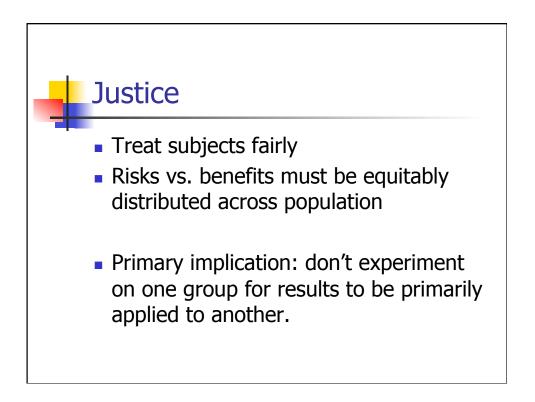




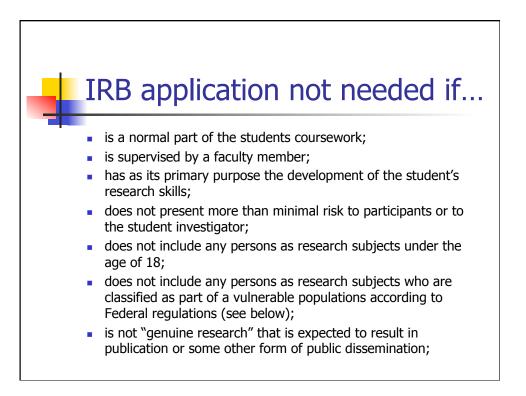






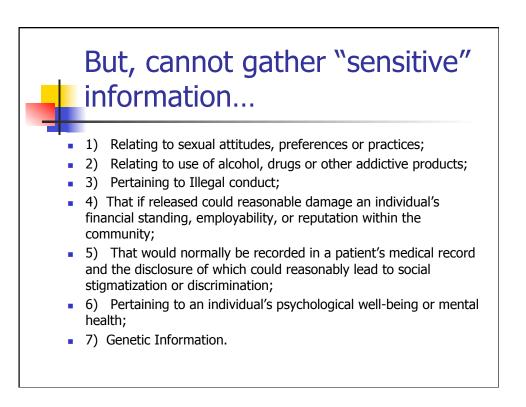






Minimal risk

 means that the probability and magnitude of harm or discomfort anticipated in the research are not greater in and of themselves than those ordinarily encountered in daily life or during the performance of routine physical or psychological examinations or tests of healthy individuals.



And cannot use special subject populations...

- 1) Minors (under eighteen years of age).
- 2) Fetuses or products of labor and delivery;
- 3) Pregnant women (in studies that may influence maternal health);
- 4) Prisoners;
- e) Individuals with a diminished capacity to give informed consent.

You should obtain verbal consent – Example:

"Hi, we're designing a *XYZ*. *Explanation of XYZ*. We are conducting a study to find out what people think about this. We will not record or publish any information with your name. This is for a course we're taking in Human-Computer Interaction from Prof. Bickmore in the College of Computer and Information Science. Your participation is voluntary and you can stop anytime and ask that your data not be used. It should take about 30 minutes and we will compensate you with a can of Red Bull. Can you help us out with this?"

