

community in ensuring compliance with the standards set forth in the Code of Federal Regulations by the U.S. Department of Health and Human Services.

The overall intent of the policy is to ensure that human subjects are treated physically, psychologically and socially in such a way as to minimize embarrassment and stress, and to avoid harm or other negative effects.

How the iPhone Works

[Editor's Note: This is one of our favorite articles to update. While we parse Apple's announcements, here's the not-so-basic technology behind the iPhone.]

Electronic devices can use lots of different methods to detect a person's input on a touch screen. Most of them use sensors and circuitry to monitor changes in a particular state. Many, including the iPhone, monitor changes in electrical current. Others monitor changes in the reflection of waves. These can be sound waves or beams of near-infrared light. A few systems use transducers to measure changes in vibration caused when your finger hits the screen's surface or cameras to monitor changes in light and shadow.

The basic idea is pretty simple — when you place your finger or a stylus on the screen, it changes the state that the device is monitoring. In screens that rely on sound or light waves, your finger physically blocks or reflects some of the waves.