



#### US Constitution 4<sup>th</sup> Amendment

- The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated,
  - And no Warrants shall issue, but upon probable cause, supported by Oath or affirmation,
  - And particularly describing the place to be searched, and the persons or things to be seized.
- "Unreasonable, probable cause, particularly describing the place to be searched"

   From colonial days which had general warrants































#### **CDT: Suggested for ECPA**

- Technology and platform neutrality
- Assurance of law enforcement access
- Equality between transit and storage
- Consistency in access to communication
   o voice vs. data
  - o whether 'opened' or not
- Simplicity and clarity
- Recognize all existing exceptions







# **IRB:** Nuremberg Code

- Informed consent is essential.
- Research on human subjects should be based on prior animal work.
- The risks should be justified by the anticipated benefits.
- Only qualified scientists should be allowed to conduct research with human subjects.
- Physical and mental suffering must be avoided.
- Research in which death or disabling injury is expected should not be conducted.



### **IRB** Principle: Autonomy

- Subjects have autonomy when they have the capacity to understand and process information, and the freedom to volunteer for or withdraw from research without coercion or undue influence from others.
- In practice, this involves creating a meaningful consent process.
  - Provide prospective subjects with all the information they need to make a decision to participate in research
  - Allow subjects to withdraw from research without any adverse consequences if they change their minds.



### Identifiable private information

- As defined in the regulations, private information includes:
  - Information about behavior that occurs in a context in which an individual can reasonably expect that no observation or recording is taking place
  - Information which has been provided for specific purposes by an individual and which the individual can reasonably expect will not be made public (for example, a school record).
- The regulations further state that for data to be "private information" it must be individually identifiable
  - i.e., the identity of the subject is or may be readily ascertained by the researcher or associated with the information



### **Breach of Confidentiality**

- Perhaps the primary source of risk in the social and behavioral sciences is that information obtained by researchers could harm subjects if disclosed outside the research setting.
- Confidentiality can be compromised through an unauthorized release of data, which could have a negative impact on the subjects' psychological, social, or economic status.

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## Frameworks for Discussion

- Why do we care about privacy?
- Right to not have information on yourself collected
- The right to control the spread and use of your information
  - Commoditization of information
- The right to be anonymous
   Privacy vs. Autonomy
  - Historical context of privacy (living in a village v. a city...)
- The inequality of access to information
  - To information gathered on you (gov't has it and you don't know)
  - Information for economic (shopping) decisions
- The costs of privacy
- Martin Kaste, NPR, Smith College Kahn Privacy project















## **Onion Routing**

- The Tor network is a group of volunteer-operated servers that allows people to improve their privacy and security on the Internet.
- Tor's users employ this network by connecting through a series of virtual tunnels rather than making a direct connection, thus allowing both organizations and individuals to share information over public networks without compromising their privacy.
- Tor is an effective censorship circumvention tool, allowing users to reach otherwise blocked destinations or content.
- https://www.torproject.org/about/overview.html.en







