We will collect physiological data from experiment participants such as

* ECG signal from the brain, heartbeat, temperature, blood pressure, transpiration rate - continous signal
* age, body mass, height - numeric data type
* scope of physical activity, gender - factor data type
* images from MRI scanner - jpeg files

All are stored as xlsx, csv files, on a hard drives and in an Electronic Lab Notebook. This allows data to be stored, backed up, shared and long-term accessed.The files are sent to the Hospital's cloud with set deadlines of expiration of data access.

**How will the data be collected or created?**

Participants give informed consent before participating. For personal information (age, gender, physical activity) participants fill in a questionnaire prior to the experiments.

Then measures are taken from the participants using thermometer, electrocardiograph, manometer, eye tracker, neuroimaging techniques (MRI scanner, EEG or PET) and other physiological measurement tools. As participants are regularly examined by doctors, they also provide their blood and brain drug concentration over the period of experimnets.

Each participant has an assigned number and folder in the data set. We will use ISO standards for dates and a naming convention :

**File Naming Convention**

* Project lead's last name or initials.
* File creator's last name or initials.
* Project name/acronym.
* Date file created/generated (in YYYY-MM-DD format)
* Version number

**What documentation and metadata will accompany the data?**

An excel file with participants' names and associated numbers will accompany the data files to decode participants and their attributes.

Readme text file with the following information will also accompany the study :

* statistics about the data (total number of observations)
* models of the tools used
* type of data
* instructions for experimentators

An addition Word file will include the questionnaries templates with predefined questions.

**How will you manage any ethical issues?**

The consent is required from participants before storing data as a consent questionary describing all the legal impolications. Anonimization can be done by hashing/encryption of personal and identifiable data.

- the basic database's (with participants' names) access is regulated for patient's doctors.

- another data without identification (names, date of birth) can be accessed with a barcode or a random numer assigned to a patient.