Input user information

Thank you for participating the experiment. The data you provided will be kept confidential and only for research use.

Please enter your

1. Gender: Male/Female

2. Height: ft

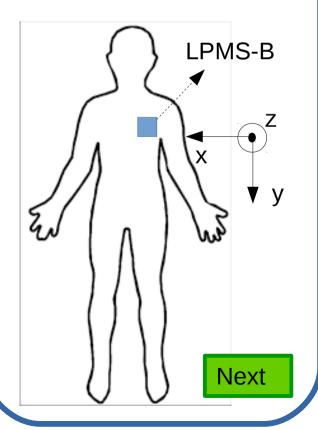
Next

Note:

• First page asking for user's personal information

Setup sensor

Please attach the LPMS-B sensor at your left chest with the labeled orientation.



Note:

- A page to teach user how to attach sensor
- Another page let user connect the sensor with phone when pressing button

Please press the gray button on the sensor to power it on.

Make sure the green light LED is blinking.

Press the "Connect" button to connect the sensor to phone.

Connect

Next

Start Activity

Below is the list of the activity we'd like you to perform. Press "Next" for general instruction.

- Sitting (60s)
- Relative motion when sitting
- Standing(60s)
- Relative motion when standing
- Lying(60s)
- Relative motion when Lying
- Walking(120s)
- Running(120s)
- Climbing stairs (1F)

Next

Note:

- A list of desired activity will be listed first
- A general instruction page will be showed teaching users how to interact with app

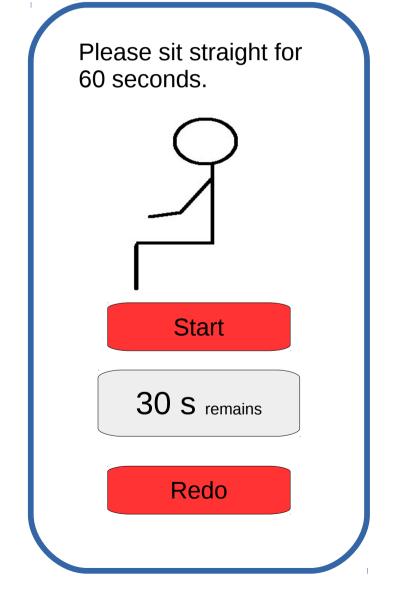


Start Activity

Press button for detailed instruction and to start. Sitting (60s) Relative motion in Sitting Standing (60s) Relative motion in Standing Lying (60s) Relative motion in Lying Walking (120s) Running (120s) Climbing Stairs (1F)

Note:

- List buttons of the desired activity.
- Detailed instruction for certain activity will be showed when pressing the activity button.
- The recording shall end itself and go back to the list button menu.
- **Example: Sitting**



Relative motion

Note:

- List buttons of the desired relative motion in sitting.
- A Detailed instruction for certain relative motion will be showed when pressing the button. Example: Sitting and lean backward (continue for the next 2 pages)

Relative motion in Sitting Press button for detailed instruction and to start.

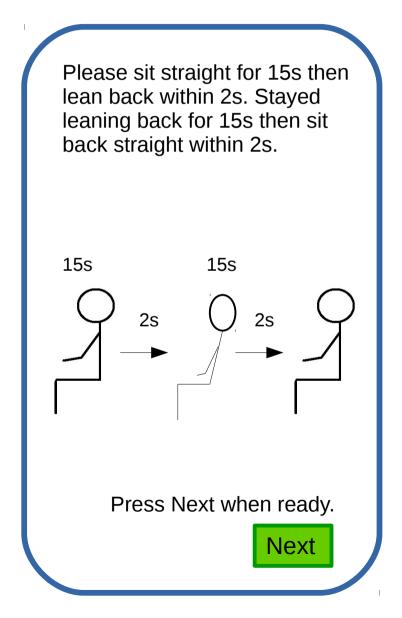
Lean backward

Lean Forward

Rotate trunk to right

Rotate trunk to left

Stand up

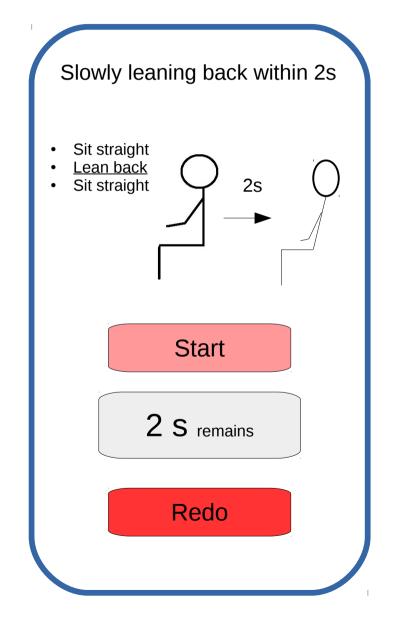


Relative motion

Please sit straight for 15s. Be ready to lean back after 15s Sit straight Lean back Sit straight Start 15 S remains Redo

Note:

- A list on top left showing the <u>current</u> and all the steps.
- Once started, the steps go on automatically. The clock count down in every step. Instruction and image updated every step teaching the user what to do.

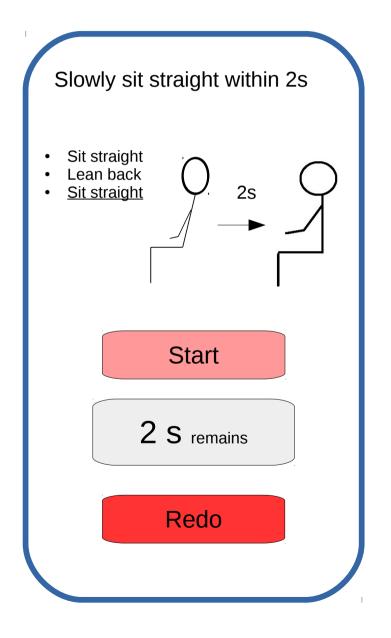


Relative motion

Stay leaning back for 15s. Sit straight Lean back Sit straight Start 15 S remains Redo

Note:

• The recording shall end itself when time up and go back to the list button menu for relative motion in sitting



Note:

List button menu for relative motion in Standing and Lying

Relative motion

Relative motion in Standing Press button for detailed instruction and to start.

Rotate trunk to right

Rotate trunk to left

Move up and down left arm

Move up and down right arm

Relative motion in Lying Press button for detailed instruction and to start.

Sit up

Turn to left

Turn to right