

Input user information

P1

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

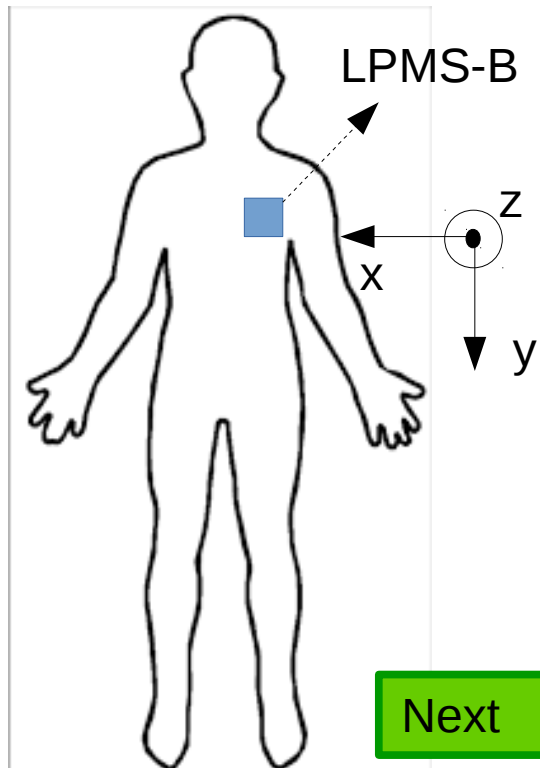
Note:

- First page asking for user's personal information

Setup sensor

P2

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



Next

Note:

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

P3

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

Wait until the green light LED is blinking before pressing "Make connection".

Make Connection

Next

Start Activity

- 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

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)

Please sit straight for 60 seconds.



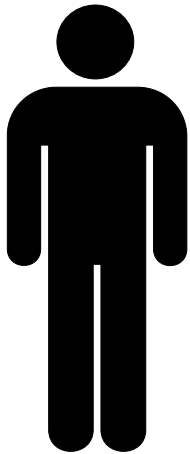
Sit straight for 60s

Start

Redo

Start Activity

Please stand still for
60 seconds.



Stand Still for 60s

Start

Redo

Please lying down for
60 seconds.



Lying down for 60s

Start

Redo

Start Activity

Please walk straight on a level floor with your normal speed for 120s



Walking for 120s

Start

Redo

Please run straight on a level floor with your normal speed for 120s.



Running for 120s

Start

Redo

Start Activity

Please Climb one floor in HFH with your normal speed and press “finish” when done



Start

Redo

Note:

- For climbing stairs, the user should end the recording himself since there's no time restriction in this test.

Relative motion in sitting

Relative motion in sitting.

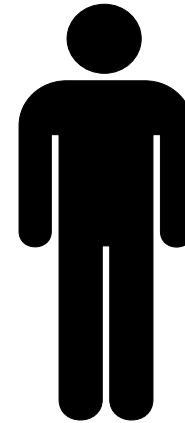


Sit straight for 15s
Lean forward for 5s
Lean backward for 5s
Rotate trunk to right for 5s
Rotate trunk to left for 5s
Stand up for 5s

Start

Redo

Relative motion in standing.



Stand still for 15s
Rotate trunk to right for 5s
Rotate trunk to left for 5s
Move up and down left arm for 5s
Move up and down right arm for 5s

Start

Redo

Relative motion in sitting

Relative motion in Lying.



lying for 15s
Turn to left for 5s
Turn to right for 5s
Sit up for 5s

Start

Redo