

Body Function Monitoring Using Non-Invasive Printed Sensors

(a study conducted by the University of Memphis funded by National Science Foundation)



What is the purpose of this study?

- To test new easy-to-use and disposable sensor.
- To be sure these sensors are useful for collecting body signals (e.g., body temperature, heart rate, breathing rate, and ECG) at home.
- To test sharing anonymous data (body signals collected with no names attached) with a website specific for the Memphis area.



Who Can Volunteer:

- Ages 18-60
- Live in the Memphis, TN area
- No severe medical conditions (e.g. congestive heart failure)
- Have an Android smartphone
- Willing to have an app downloaded to your smartphone for the study period
- Willing to share anonymous data with our website
- Able to speak and read English

What to Expect?

- Attend a half-hour training session at your church on how to use the sensors and the app. Take a 5 min pre-study survey.
- Wear the assigned sensor for 30-days while at home.
- Scan your sensor twice a day (morning and evening) with the app provided.
- After 30 days, return the scanner and any unused sensors at your church and complete the post-study survey.
- After a 30-day break, you can complete another 30-day session (optional).

There is NO cost to you: The app uses a very small amount of cellular data (less than 1 MB per 30 days). You will receive a **\$40 gift card** to Walmart or Kroger for using the sensors for a full 30 days, attending the training session, and completing study surveys.

How to Sign-Up or Learn More: Contact: Dr. Bashir Morshed (bmorshed@memphis.edu, 901-678-3650) or Dr. Brook Harmon (bharmon1@memphis.edu, 901-678-1687)

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