



PhysiAware - continuous monitoring of physiological signals

An app for continuous monitoring of physiological signals from sensors worn by patients.

Technology No. 2021-190

IP Status: copyrighted

Applications

- Medical data collection app

Technology Overview

PhysiAware is a medical data collection app designed at the University of Minnesota. This app can be used to continuously collect data from physiological sensors (such as heart rate, galvanic skin response, motion) worn by participants. In addition, this app can be used to collect responses to short surveys/questionnaires of participants and their GPS location during research studies. Data collected by the app are transmitted to a secure research server for subsequent analysis and deleted from the smartphone.

The use of this app in research is subject to Institutional Review Board (IRB) approval and is available only to participants that have been enrolled in an IRB-approved research study and have gone through the process of informed consent. This app is not available for public use outside of a research study context. In order to use the app, an enrolled participant will need to enter a code issued by the research study during the enrollment process. This GPS location information collected by this app together with physiological sensor data will be used to detect and predict situations when study participants are likely to engage in certain types of recurring behavior (e.g., smoking a cigarette or using other tobacco products).

Phase of Development

TRL: 7

App is available for limited use upon approval.

Desired Partnerships

This technology is now available for:

- License
- Sponsored research
- Co-development

Please contact our office to share your business' needs and learn more.

Available on App Store

[PhysiAware](#)

Researchers

- [Serguei Pakhomov, PhD](#), Professor, Pharmaceutical Care & Health Systems

<https://license.umn.edu/product/physiaware---continuous-monitoring-of-physiological-signals>