

Supplemental Table Mobile respiration biomarkers

Therapeutic Area	Technology	Position of device	Epochs	Study design	Type of clinical study	Other mobile outcomes	Other standard outcome assessment	Use of mobile outcomes	Objectives	Source
Cardiology (Heart Failure)	Pressure sensor (EverOn)	Not Attached to the Body (Under the mattress)	Not specified	Observational (Cohort study)	Prevention	Sleep (PerFO) Cardiac (Biomarker)	Cardiometabolic and anthropometric measures (ClinRO) Cardiac (PRO, ClinRO, and ObsRO)	Exploratory endpoint	To assess normal and altered physiological patterns in the home environment, and to determine if altered physiological patterns correlate with hospital readmissions.	Bennett 2015 [1]

PerFO = Performance Outcome; ObsRO = Observer Reported Outcome; PRO = Patient Reported Outcome; ClinRO = Clinician Reported Outcome

References

1. Bennett MK, Shao M, Gorodeski EZ. Home monitoring of heart failure patients at risk for hospital readmission using a novel under-the-mattress piezoelectric sensor: A preliminary single centre experience. Journal of telemedicine and telecare. 2015. Epub 2015/12/17. doi: 10.1177/1357633x15618810. PubMed PMID: 26670209.