Theragun Percussive Therapy®

## **A Natural Sleep Solution**



The Study

Theragun Percussive
Therapy has previously
proven to reduce pain and
tension, improve range of
motion, increase circulation,
and maximize recovery.
Now, we are looking at its
effects an elegan and other effects on sleep and other biometrics measured using Biostrap biosensor wearable technology.

Sample 73 healthy 18-40 year olds, exercising a minimum of 3x week for >30 mins.



Why Sleep?

Sleep is the foundation of optimal health and performance.



Up to 45% of the world's population has a



- Lack of quality sleep has wide-ranging health effects leading to an increased risk of conditions including.<sup>2</sup> Obesity Type II Diabetes

- Hypertension
   Cardiovascular Disease
   Anxiety & Depression
   Neurological Disorders

1 Sleep Results

**Decreased Latency** 



of participants fell asleep faster This was an average of 4min15s faster falling asleep each night.

Increased Efficiency



of participants had less awakenings/sleep disruptions

Higher Overall Sleep Score



of participants improved overall

sleep, efficiency, awakenings, movement, and other biometrics.

## 2 Health+Performance Results

Health and performance is ultimately related to overall quality of life-physically and mentally. There are several ways this can be measured:

**79% 10%** Improvement in vascular function

This improvement in arterial elasticity helps to support healthy arteries, which moderates your blood pressure.

**25%** 

## Improvement in Heart Rate Variability (HRV)

A single percussive therapy wellness routine resulted in this improvement in HRV. This is a commonly used objective measure from wearable technologies, helping to determine your body's readiness to perform and take on your next activity.



Soreness and daily discomfort

## 3 Recovery Results

Technologies such as Theragun Percussive Therapy can enhance the body's natural recovery processes. Wearable technologies allow us to combine different measures into "Recovery Score" - Biostrap does this by using a proprietary combination of hear rate (HR), HRV, sleep duration, and sleep efficiency measures.



Overall Recovery Score



of participants improved 'Recovery Score' with an average improvement of 9%. They maintained this benefit during wash-out.

**Product** Satisfaction

85%

of participants reported improvements in overall performance

100%

of participants reported improvements in overall quality of life and would recommend Theragun to others

THERAGUN by Therabody

