

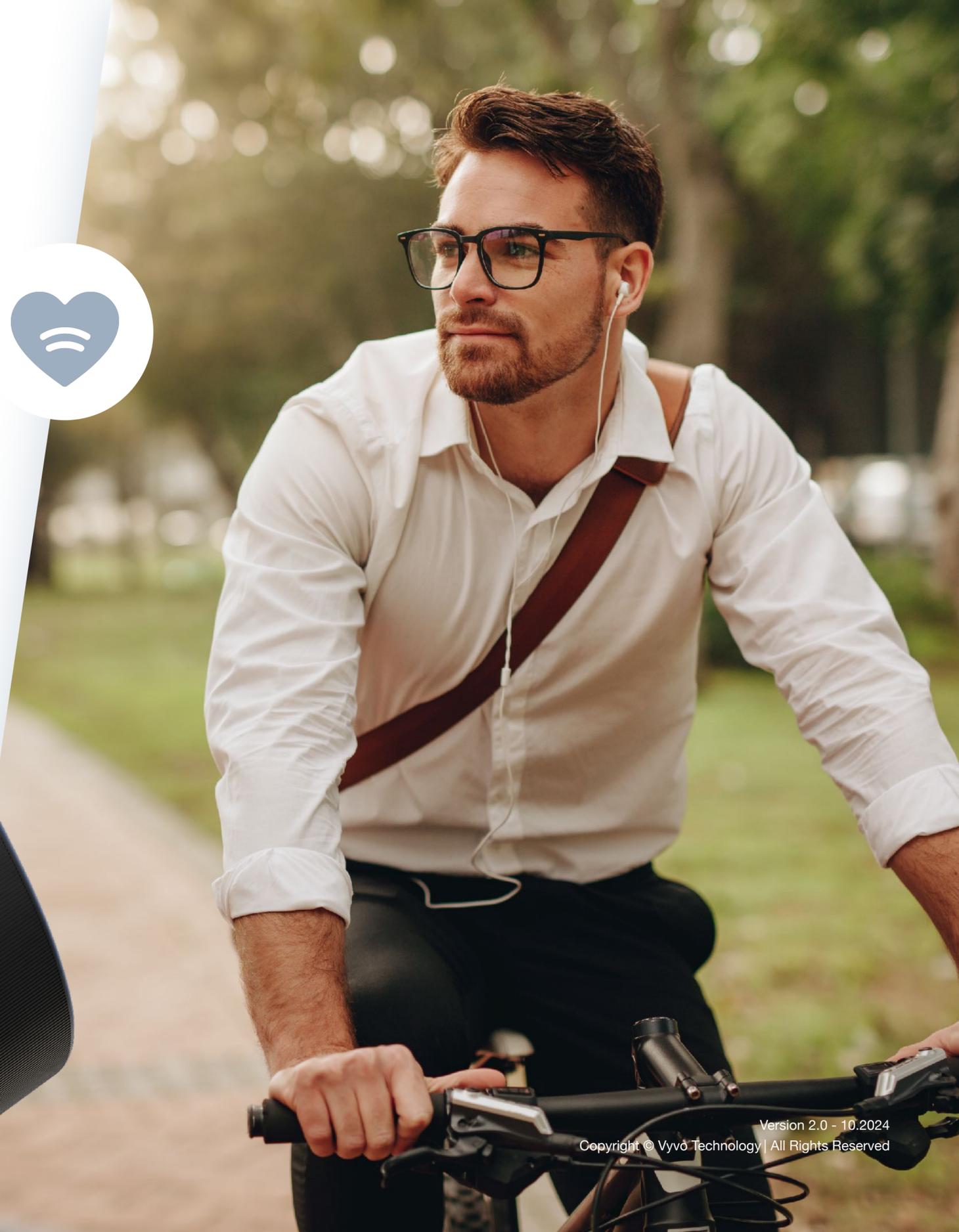
# ATRIAL FIBRILLATION



- **Understanding Atrial Fibrillation**
  - **Alternatives to ECG**
  - **AF Measurement with PPG**
  - **AF Detection with Vyvo Technology**
- Wearable Devices**

## Understanding Atrial Fibrillation (AF)

- Arrhythmia describes any abnormal heart rhythm
- Atrial fibrillation (AF) is the most common type of arrhythmia
- AF is an “irregularly irregular” heart rate — a random sequence of heart beat intervals with increased beat-to-beat variability and complexity



## Alternatives to ECG

- With electrocardiogram (ECG), AF is easy to identify, but can only be measured when it happens
- ECG is not suitable as a home-based or mobile solution
- Smartphones and wearable devices offer a true consumer solution
- Accurate AF detection depends on both hardware and carefully developed and tested algorithms

## AF Measurement with PPG



Photoplethysmography (PPG) is an optical method for measuring blood volume changes in a bed of tissue by illuminating the skin and measuring light absorption



PPG is an effective means of detecting AF, making it a strong, non-invasive, and cost-effective option for AF screening



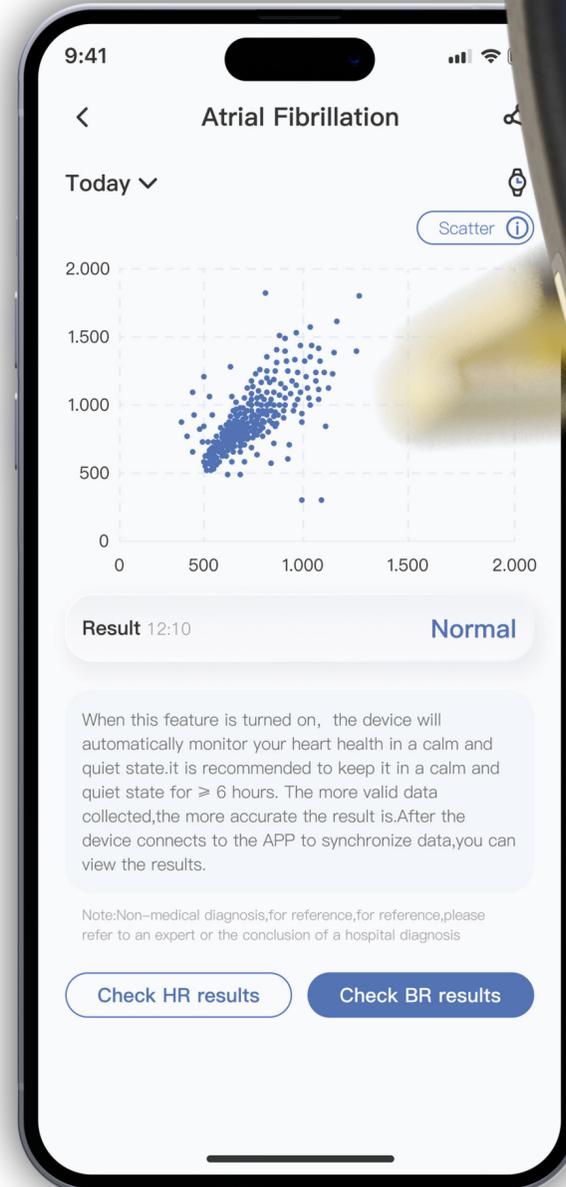
PPG components can be added to wearable devices, enabling continual monitoring for AF



## AF Detection with Vyvo Technology Wearable Devices

- Vyvo Technology wearable devices use PPG to continuously and accurately capture heart rhythm data
- Vyvo's proprietary algorithms detect AF and alert users when it happens
- This knowledge provides greater awareness of heart health so users can take appropriate action under the guidance of a medical professional

AF detection by Vyvo Technology wearable devices provides continual monitoring benefits over ECG, which can help people who didn't even know they have an AF issue!





# Cheers to Life Sensing Technology™



Discover more  
with Vyvo Technology!

[www.vyvo.com](http://www.vyvo.com)