

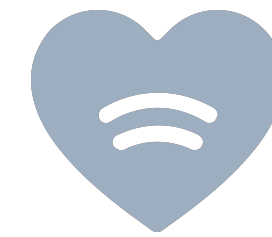
ATRIAL FIBRILLATION



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

Understanding Atrial Fibrillation (AF)

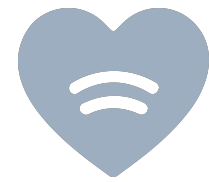
- Arrhythmia describes any abnormal heart rhythm
- Atrial fibrillation (AF) is the most common type of arrhythmia
- AF is an “irregularly irregular” heart rate — a random sequence of heart beat intervals with increased beat-to-beat variability and complexity



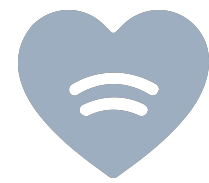
Alternatives to ECG

- 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

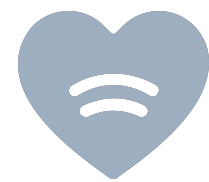
AF Measurement with PPG



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



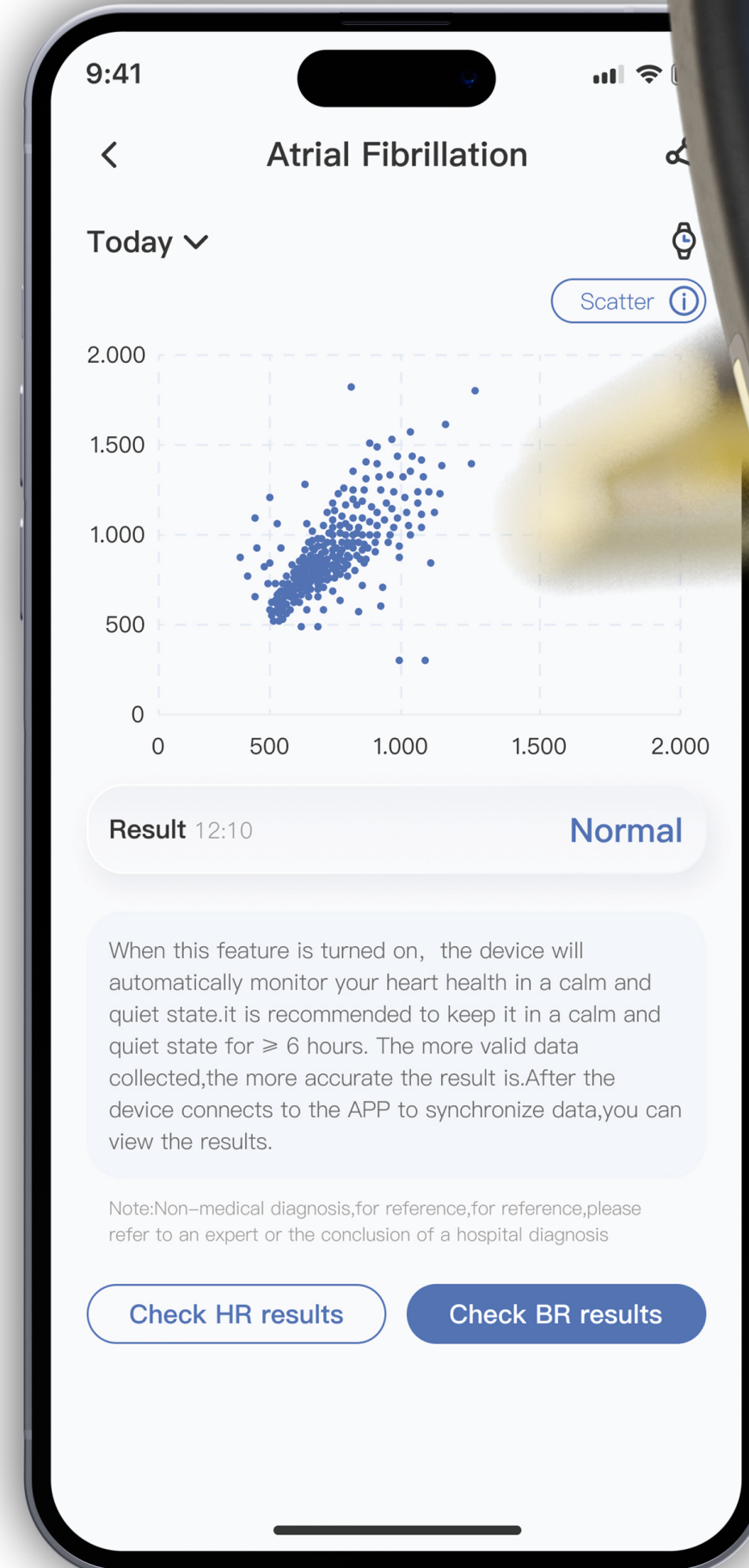
PPG components can be added to wearable devices, enabling continual monitoring for AF



AF Detection with Vyvo Technology Wearable Devices

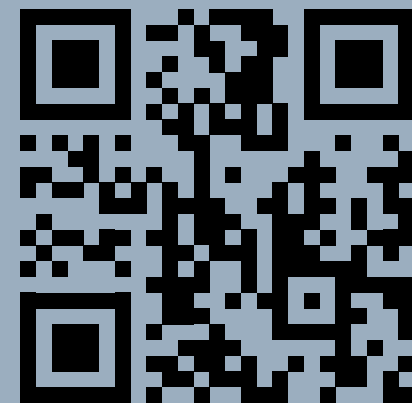
- Vyvo Technology wearable devices use PPG to continuously and accurately capture heart rhythm data
- Vyvo's proprietary algorithms detect AF and alert users when it happens
- This knowledge provides greater awareness of heart health so users can take appropriate action under the guidance of a medical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



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with Vyvo Technology!

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