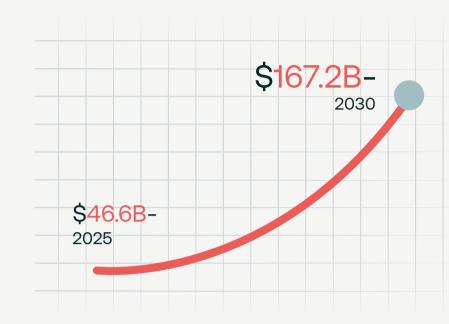
Wearables enable continuous health insights outside of traditional care settings. When it comes to heart monitoring, two primary technologies are available to device manufacturers: Electrocardiogram (ECG) and Photoplethysmogram (PPG) — each offering distinct but complementary data.



The global wearable healthcare devices market is projected to grow at a CAGR of 29.08% over the next five years, from \$46.6bn in 2025 to \$167.2 billion<sup>[1]</sup> in 2030.

# The benefit of ECG + PPG:

It's no longer a choice between ECG and PPG. PPG has limited accuracy due to movement artefacts, whereas ECG cannot be used continuously in a watch or ring form factor and is limited in asymptomatic cases.<sup>[2]</sup>

Combining both technologies delivers a more accurate [3] and better user experience.

Personalised data generated from wearables is empowering medical professionals to make more informed care decisions with new insights that extend beyond patients' physical activity.

#### ECG

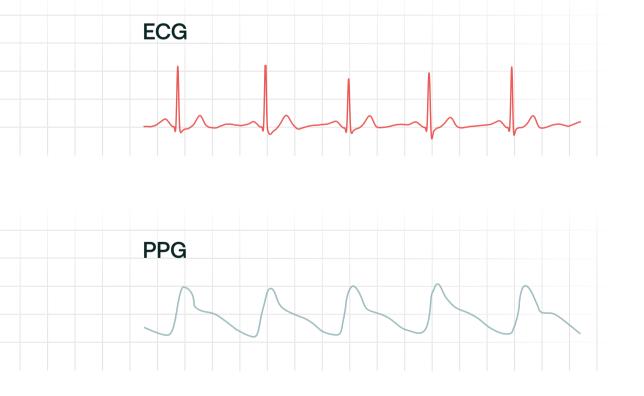
- Gold Standard
- Arrhythmia Detection
- Share with Doctors

## PPG

- Continuous Monitoring
- Irregular Pulse Detection Only

#### Combined ECG + PPG

- Continuous Monitoring with Arrhythmia Detection
- PPG Alerts to Check ECG
- False Positive Reduction<sup>[4]</sup>



### New Market Opportunities

Combining ECG with PPG opens new markets and defends against competitive threats:



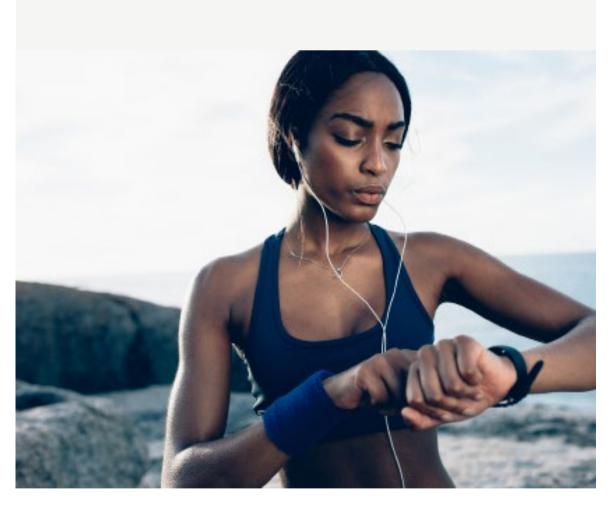
Physician recommendations to patients.



Expand into B2B healthcare markets (e.g., payers, clinical research, employers).



Access reimbursed programmes (e.g., Remote Patient Monitoring, Chronic Care).



in

<sup>&</sup>lt;sup>1</sup> https://www.grandviewresearch.com/industry-analysis/wearable-medical-devices-market

<sup>&</sup>lt;sup>2</sup> https://www.frontiersin.org/journals/cardiovascular-medicine/articles/10.3389/fcvm.2022.869730/full

<sup>&</sup>lt;sup>3</sup> https://www.frontiersin.org/journals/cardiovascular-medicine/articles/10.3389/fcvm.2022.869730/full

<sup>4</sup> www.health.harvard.edu/mens-health/threetimes-as-many-people-have-atrial-fibrillationthan-previously-known