



PHILIPS

Cardiologists

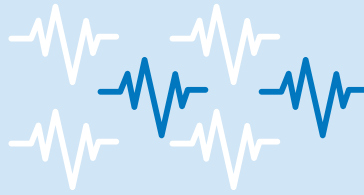
Cardiologists Holter for Clinicians

The burden of arrhythmia diagnosis



1 in 4

Lifetime risk of AFib in population over 40.¹



>2 days

Longer Holter recordings mean more ECG data to analyze.



29%

of Cardiologists are burned out.²

Cardiology departments need innovative solutions to cope with the growing arrhythmia and data burden despite resource shortages.



1. Lloyd-Jones DM, Wang TJ, Leip EP, Larson MG, Levy D et al. (2004) Lifetime risk for development of atrial fibrillation: the Framingham Heart Study. *Circulation* 110 (9): 1042-1046.
2. Medscape Cardiologist Lifestyle, Happiness & Burnout Report 2023.

Our mission

Cardiologs is on a mission to democratize expert cardiac care through medical-grade Artificial Intelligence and cloud technology.

Our solution

Cardiologs offers a unique arrhythmia diagnostic software, cloud-based and vendor-neutral, which leverages Artificial Intelligence to streamline ECG analysis.³

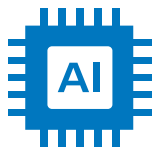


Commercially available
in Europe and in the US.

3. The Cardiologs Platform interpretation results are not intended to be the sole means of diagnosis. It is offered to physicians and clinicians on an advisory basis only in conjunction with the physician's knowledge of ECG patterns, patient background, clinical history, symptoms, and others.



Your AI partner for more efficient cardiac diagnostics^{4,5,6}



Artificial Intelligence

ECG analysis algorithms traditionally rely on the RR interval only. Cardiologs leverages deep-learning technology to reliably capture the ventricular and atrial rhythms, analyzing the P wave like an expert would, making it much more specific than traditional softwares.



Cloud-based

Our philosophy is to connect every stakeholder through the Cardiologs platform. No need to work out complex logistics, the signal is always at your fingertips!

At any time, from any computer,* and to any user simultaneously, in an ergonomic state-of-the-art user interface.



Vendor-neutral

Whether you are looking to expand your activity to new patches or are just using various Holter brands, don't worry about mastering several ECG analysis softwares. We have you covered with a single go-to platform that supports recordings from different devices!*

* Please refer to the Instructions For Use for a list of the technical requirements needed for compatibility.

Save time and treat more patients

Peer-reviewed clinical studies have shown that the Cardiologs AI engine:

- Divides by 10 the number of false positive AF episodes compared to traditional ECG analysis solutions, while keeping a similar sensitivity⁶
- Increases sensitivity for VT detection by 29% (97% vs 68%, $p < 0.001$) compared to traditional algorithm

Reduced analysis duration

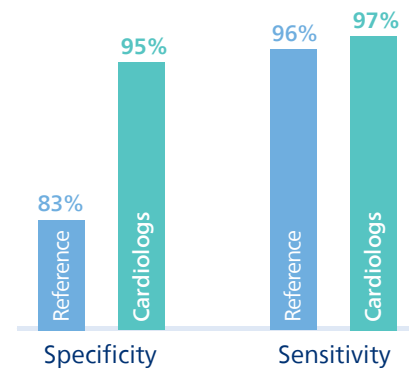
As a result, you can now considerably reduce your editing labor with confidence, and focus on the meaningful episodes where your expertise is really needed. This directly translates into a 42% reduction in time needed for Holter analysis.³

Simplified workflows

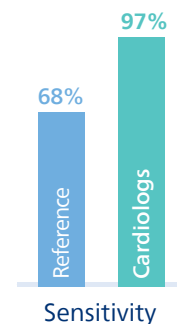
Cardiologs is here to facilitate your Holter workflows with a onestop shop analysis platform. Now you can analyze Holters directly on the cloud between consults or interventions. Your colleagues can access the ECGs at their convenience, and external correspondents temporarily view them upon invitation.

Ultimately, it all results in an accurate, timely and resource-effective ambulatory ECG analysis.

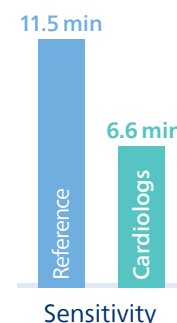
10x reduction in AF false positives⁴



+29% sensitivity for VT detection ($p < 0.001$)⁵



42% reduction in analysis duration⁶



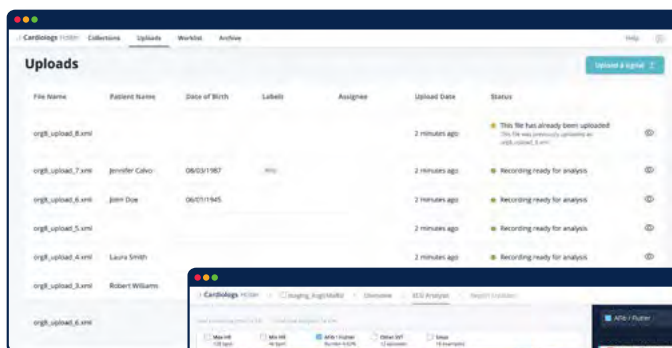
4. Li, J. (2016) Deep Neural networks improve atrial fibrillation detection in Holter: first results. European Journal of Preventive Cardiology. 22 (2s), 41.

5. Multicenter study comparing the performance of Cardiologs' AI-based algorithm to a traditional algorithm: Fiorina, Laurent et al. "Evaluation of an Ambulatory ECG Analysis Platform Using Deep Neural Networks in Routine Clinical Practice." Journal of the American Heart Association: Cardiovascular and Cerebrovascular Disease 11 (2022): e026196.

6. Fiorina L. et al. AI- based strategy enables faster Holter ECG analysis with equivalent clinical accuracy compared to a classical strategy. EHRA 2020.

Your AI partner for more efficient cardiac diagnostics^{1,2}

1 Upload the signal to the Cardiologs Platform from anywhere



2 Analyze the ECG guided by AI



The Cardiologs platform can further simplify your workflow by integrating with electronic medical record systems thanks to the Philips IntelliBridge Enterprise solution (IBE).

3 Report your findings in custom templates





We are serious about Data Protection

GDPR and HIPAA compliant

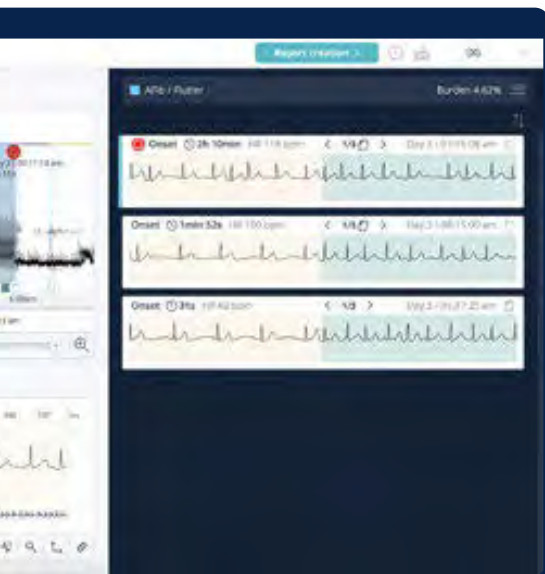
The Cardiologs solution complies with the highest standards of local data and patient privacy regulations, including GDPR in Europe and HIPAA in the United States.

Secure data hosting

Personal data is securely hosted onto ISO/IEC 27001 certified Amazon Web Services servers, and segregated between Europe and the US.

Audited security measures

Cardiologs has implemented technical, physical and organizational security measures used in order to safeguard and protect Personal Data as well as any Protected Health Information (PHI) that it receives, processes or stores on the Cardiologs cloud-based platform.



Medical Device

The Cardiology's Holter Platform is a medical device intended for use by qualified healthcare professionals for the assessment of arrhythmias using ECG data. It is CE marked and cleared by the FDA under 510(k).

Caution

This material with associated pictures is non-contractual. It is for distribution to Health Care Professionals only and should not be relied upon by any other persons.

Carefully read the instructions for use prior to use.

For more information, visit our website www.cardiologs.com or email us at cardiologs.contact@philips.com.