Cardiac Remote Monitoring Platform

Scale up your practice and streamline your workflow

ᴗᴖ implicity®

SMART REMOTE MONITORING

implicity®

IMPLICITY® is a global medical technology company that reshapes arrhythmia care through data and Machine learning. IMPLICITY® provides remote cardiac monitoring and research platforms that allow medical teams to deliver high-quality care for patients with implanted cardiac devices and to scale their remote monitoring operations.

IMPLICITY® carries out R&D on AI-based algorithms aiming at improving patient care and serving the future of preventive medicine.

IMPLICITY®'s mission is to democratize remote cardiac monitoring and unlock the power of data, bringing digital innovation to cardiology.

60.000+ patients remotely monitored

Improving cardiac care worldwide
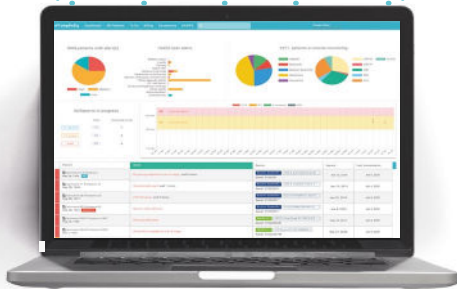
100+ centers using IMPLICITY® solutions

Remote cardiac monitoring helps reduce mortality by 38%[1] within a year

Streamline care for your patients and provide them with the best quality care using IMPLICITY® innovative technologies.

Remote monitoring of patients with cardiac implantable electronic devices (CIEDs) is the new standard of care according to the 2015 HRS Expert Consensus[2].

The IMPLICITY® CIED alert management system is based on innovative knowledge graphs and semantic web technologies. It translates raw data transmitted by CIEDs into meaningful and actionable insights to support clinical decisions.

1. Hindricks & al. "Daily remote monitoring of implantable cardioverter-defibrillators: insights from the pooled patient-level data from three randomized controlled trials", 2017.

2. Slotwiner & al. "HRS Expert Consensus Statement on remote interrogation and monitoring for cardiovascular implantable electronic devices", 2015.

3. IM007: 2021. ILR ECG ANALYZER created by Implicity is intended to be used by qualified healthcare professionals for the assessment of arrhythmias in Insertable Cardiac Monitor (ICM) ECG data. ILR ECG ANALYZER supports downloading and analyzing data recorded in compatible formats from ICMs. This version of the ILR ECG ANALYZER only supports ECG data from Medtronic ICMs. ILR ECG ANALYZER is intended to be electronically interfaced with other computer systems (remote monitoring platforms) that supply the ECG data to ILR ECG ANALYZER and receive the output of ILR ECG ANALYZER (analysis) for viewing by healthcare professionals. ILR ECG ANALYZER provides ECG signal processing and analysis, to detect asystole, bradycardia, atrial tachycardia or atrial fibrillation, ventricular tachycardia, normal rhythm and artifacts. ILR ECG ANALYZER is not for use in life supporting or sustaining systems or ECG monitor and Alarm devices. ILR ECG ANALYZER 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 other diagnostic information. ILR ECG ANALYZER is interfaced with the compatible remote monitoring platform from which it receives compatible ICM data file input (Medtronic LNQ11 Medtronic REVEAL XT 9529 Medtronic REVEAL DX 9528) and to which it transmits the output. Read carefully all instructions before use. Results: sensitivity: 98.64 % (509/516), false positive rate: 24.03 % (68/283). FDA cleared Class II medical device and CE marked Class I medical device (under medical device directive 93/42).

4. Observed on 22,105 patients with Medtronic and Abbott implanted cardiac devices, remotely monitored on 7 May 2021. IMPLICITY® internal data.

5. *European Heart Journal*, Volume 42, Issue Supplement_1, October 2021, ehab724.0316

> *This platform integrates and standardizes data whose inputs are not in the same format.*
>
> *It simplifies the interpretation of remote monitoring data for the medical staff, resulting in a gain of time and efficiency.*
>
> **Prof. Pascal Defaye**
> Grenoble-Alpes University Hospital, France

A universal platform to improve patient care and optimize revenue

IMPLICITY® platform is the turnkey cloud-based solution to follow your patients with cardiac implantable electronic devices (CIEDs) remotely and maximize your practice.

Benefits

Scale your cardiac remote monitoring practices and save time

- Manage all data in one vendor-neutral platform
- Automate scheduling and medical reports generation
- Customize alert filtering
- Track patient medical history
- Notify disconnected patients

Boost your generated revenue per patient and capture all billing opportunities

- Automate billing claims
- Prevent billing conflicts
- Integrate via IMPLICITY® with more than 80 Electronic Health Record (EHR) platforms

Access to unique AI algorithms to improve productivity and predict patient events

- ILR ECG Analyzer is a medical device software designed to assess arrhythmias in Implantable Loop Recorders and tackle the false positive issue.[3]
- Prediction of heart failure crisis (under development)

Accumulate data to leverage research and publish

- Discrete and uniform data readily available (clinical & device data)
- Multi-centric capabilities
- Patient consent tracking
- Embedded Electronic Case Report Form to track patient data

How does it work ?

Synchronize & filter data
Automatically synchronize data across manufacturers and filter unnecessary alerts

Disconnected patient
Identify disconnected patients and send them an automatic text message to identify the issue

Scheduling
Automatically identify patients that need to be checked

Collaboration
Make an appointment or ask a physician to review an alert in a few clicks

Billing
Track billing cycles, prevent billing conflicts automatically and generate fully automated customizable reports

> "The all-in-one cloud-based platform of IMPLICITY® met our needs: automatic reports generation, complete traceability of patient history, easy alert management system, action trail, all what is needed to improve workflow. "
>
> **Andrew Nash**
> *IronRod Health, Phoenix, USA*

Scale up your remote care activity using the same staff you have today

Institut Mutualiste Montsouris - one of the largest medical centers in France - chose IMPLICITY® in 2018 to optimize patient management and reduce alert processing time.

250
patients remotely monitored in 2018

2000+
patients remotely monitored in 2021

Best in class customer service

IMPLICITY®'s Customer Success empowers clinicians and staff to deliver top-notch remote cardiac monitoring care and is always available to provide guidance and exceptional customer service.
The Customer Success team offers support in:
• **Onboarding and deploying solution**
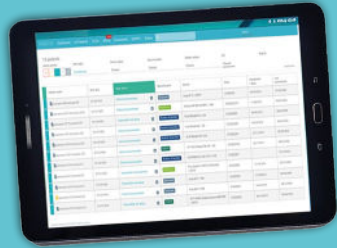• **Hotline and everyday support**
• **Change management**

Commitment to quality management and data privacy

IMPLICITY® solutions meet the highest security standards. We commit to data security and express this commitment to health professionals and their patients in all our medical data collection and use procedures. The company provides a high level of quality and data protection in compliance with international regulations such as HIPAA (USA) and GDPR (EU), and with international and national standards such as ISO 13485, ISO 27001, and HDS certification («Hébergeur de données de santé»).
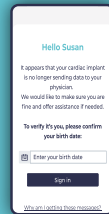
HIPAA COMPLIANCE

ISO ISO 13485:2016

ISO 27001 Standard

General Data Protection Regulation

Achieve greater efficiency through reduced workload with disconnected patient feature

- 18.6% of the followed patients are disconnected[4].
- 70% of medical centers have at least 10% of disconnected patients[4].
- Ensuring connectivity to remote transmitters is key to an optimal patient follow-up.
- Disconnected patients can lead to liability issues for medical teams.
- Managing disconnected patients is a time-consuming process with low added value for the medical team.

Alert management and connectivity follow-up on IMPLICITY® platform.

Automatic text message allowing patient to communicate the cause of disconnection to the medical team via a text message.

Save time and automize procedures

All procedures are automized: clinicians and nurses will not need to contact patients or disable RM for non-responding patients

Increase revenue

Clear visibility that reduces risks of missing billing opportunities
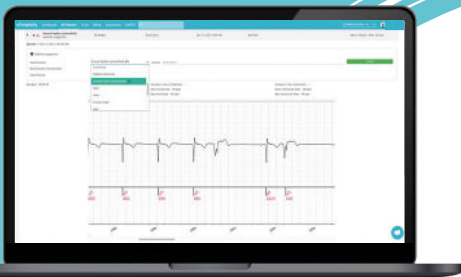
Improve quality of patient care

An effective device's connection is crucial to remote monitoring and reduces the risk of missing critical cardiac events from disconnected patients.

Improve patient adherence

Involve patients in their medical care and strengthen patient compliance

ILR ECG Analyzer[3]

This software medical device reduces the number of false positives by 79% when analyzing ECG recordings from patients implanted with Medtronic ILRs, while maintaining a sensitivity of 99%.[5]

- **Improved arrhythmia detection,** allowing **to focus on real events**.
- **Significant time savings,** allowing **more patients** to be **monitored.**

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About IMPLICITY®

IMPLICITY® is a digital MedTech created in 2016 with a global presence and a strong leadership position in Europe. IMPLICITY® provides a remote cardiac monitoring and research platform used by Independent Diagnostic Testing Facilities and medical centers to deliver high-quality care for patients with connected cardiac devices. On this platform, IMPLICITY® aggregates, normalizes and standardizes data from any implantable cardiac device across all manufacturers. IMPLICITY® carries out R&D on AI-based algorithms aiming at improving patient care and serving the future of preventive medicine. IMPLICITY® has been the first company authorized to access the Health Data Hub*, one of largest databases of patients with heart diseases in the world, supporting the development of its AI solutions. IMPLICITY® covers more than 60,000 patients in over 100 medical facilities across Europe and the United States.

For more information visit: www.implicity.com

IMPLICITY®, Inc. a Delaware corporation with offices located at 185 Alewife Brook Pkwy 210, Cambridge, MA 02138 USA, file number 5917973.

* Health Data Hub is a health data platform put in place by the French government to combine existing health patient databases and facilitate their usage for research and development purposes.