

ICD Pacemakers and The Electronic Health Record

By: Susan C. Linkman

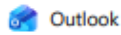
ICD PACEMAKERS AND THE ELECTRONIC HEALTH RECORD

Implantable cardioverter-defibrillators (ICDs) and cardiac pacemaker parameter settings along with device interrogation reports should be added to and readily available in Electronic Health Records so that physicians have a more efficient way to access device records to be able to diagnose and treat cardiac arrhythmias.

Heart failure cases have been rising in the U.S. due in part to the aging population¹. Approximately 6.7 million Americans over 20 years of age have heart failure (HF), and the prevalence is expected to rise to 8.7 million in 2030, 10.3 million in 2040, and 11.4 million by 2050³. The lifetime risk of HF has increased to 24%; approximately 1 in 4 persons will develop HF in their lifetime³. In the United States, about 800,000 people have implantable cardioverter-defibrillators (ICDs), and approximately 150,000 ICDs are implanted annually². There are about 3 million people worldwide with pacemakers, and each year 600,000 pacemakers are implanted⁴. The primary global manufacturers of implantable cardioverter-defibrillators (ICDs) and cardiac pacemakers are Medtronic, Abbott Laboratories, Boston Scientific, and Biotronik. These four companies design and supply the vast majority of pacemakers, ICDs, and cardiac resynchronization therapy (CRT) systems used worldwide. The top electronic health record (EHR) vendors include Epic Systems Corporation for large hospital networks and Oracle Health (Cerner) for enterprise health systems.

Adding implantable cardioverter-defibrillators (ICDs) and cardiac pacemaker parameter settings along with device interrogation reports to Electronic Health Records would allow physicians to diagnose and treat cardiac arrhythmias. This would ultimately help improve quality of life and patient outcomes for those living with heart failure as well as decrease the need for hospital admissions.

ICD PACEMAKERS AND THE ELECTRONIC HEALTH RECORD



RE: ICD Pacemakers and the Electronic Health Record

From Info@epic.com <info@epic.com>
Date Fri 2026-08-21 8:51 PM
To Susan Linkman <s.linkman@live.com>

Hello Susan,

Thank you for your email. Epic software does support storing pacemaker/ICD interrogation reports and many device parameters in the patient's chart, but the actual setup and data flow need to be configured by the patient's healthcare organization and their device vendor or middleware.

We would encourage you to reach out to those organizations.

Be well!

From: Susan Linkman <s.linkman@live.com>
Sent: Friday, August 21, 2026 2:14 AM
To: MyChart Support <mychartsupport@epic.com>; Consultant Inquiries <ConsultantInquiries@epic.com>; Info@epic.com; Trademarks <trademarks@epic.com>; Patents <patents@epic.com>
Subject: ICD Pacemakers and the Electronic Health Record

External Mail. Careful of links / attachments. Submit Helpdesk if unsure.

Hello,

My name is Susan Linkman; I am the creator and owner of linkhealthsystem.com

I currently work as a Telemetry Monitor Technician. I am a Certified Non-Invasive EKG technician and Certified Cardiographic Technician.

The primary global manufacturers of implantable cardioverter-defibrillators (ICDs) and cardiac pacemakers are Medtronic, Abbott Laboratories, Boston Scientific, and Biotronik. These four companies design and supply the vast majority of pacemakers, ICDs, and cardiac resynchronization therapy (CRT) systems used worldwide.

Implantable cardioverter-defibrillators (ICDs) and cardiac pacemaker parameter settings along with device interrogation reports should be added to and readily available in Electronic Health Records so that physicians can easily diagnose and treat cardiac arrhythmias to help improve patient outcomes.

My father had a biventricular ICD pacemaker for many years. This device saved his life numerous times. As his advocate and caregiver, whenever his device would get interrogated, I would always ask for a hard copy of the device parameters and any events to easily share this information with his electrophysiologist so any necessary adjustments could be made to help improve his quality of life and prevent any further hospitalizations.

I hope you take my suggestion into consideration as I truly believe this could be life-changing and help improve quality of care.

Sincerely,
Susan Linkman

Bibliography

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3. Heart failure society of America (HFSA) scientific statement: Update on device based therapies in heart failure. Hfsa.org. 2024. Accessed August 25, 2026. <https://hfsa.org/hf-stats-2024-heart-failure-epidemiology-and-outcomes-statistics>
4. Wood MA, Ellenbogen KA. Cardiac pacemakers from the patient's perspective. *Circulation*. 2002;105(18):2136-2138. doi:10.1161/01.cir.0000016183.07898.90