Abbott

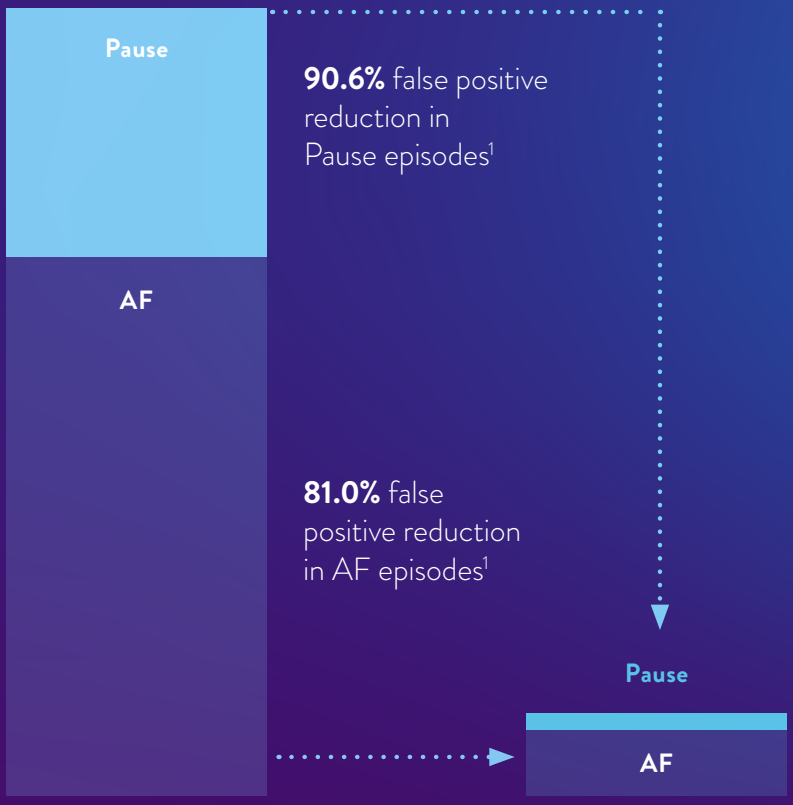
ASSERT-IQ™ INSERTABLE CARDIAC MONITOR (ICM)

AI POWERS THE ASSERT-IQ™ ICM SYSTEM

AI ALGORITHMS DELIVER MORE CLINICALLY ACTIONABLE DATA

Assert-IQ ICM leverages AI to enhance the accuracy of AF and Pause episode detection, significantly reducing data burden for clinicians.[1]

AI REDUCES FALSE POSITIVES WHILE MAINTAINING HIGH SENSITIVITY



AI retains **100% of true AF episodes** detected by Assert-IQ ICMs[1,10]

AI retains **99.2% of true Pause episodes**[1,10]

AI delivers **93.6% Positive Predictive Value (PPV)***[1,10]

**For episode-based AF performance*

AI ALGORITHM WORKFLOW

Initial Detection & Transmission of All Episodes

ALL AF & Pause Episodes

AI-Adjudication in the Cloud and Removal of False Episodes

Apply Key Episode Technology*

True Episodes Available on Merlin.net PCN

Diagnostics in Merlin.net™ Patient Care Network (PCN), including burden trends, episode counters, and histograms, are updated after AI-adjudication.[1]

AI REDUCES TRANSMISSION BURDEN**

39.4%

reduction in transmissions.[14]

TIME SAVINGS FROM AI

AI algorithms can **save clinics approximately 486 hours annually** for every 100 Assert-IQ™ ICM patients.[14]

The Assert-IQ ICM is now the only ICM system to combine AI, the longest-lasting Bluetooth® battery life, and IQ Insights to optimize patient management across arrhythmia types.

**If selected by healthcare provider*

***For Patients with at least 1 AF or Pause alert pre-AI*

The number of hours that a clinic may save from post-AI burden reduction, based on an analysis of approximately 4,000 U.S. Assert-IQ ICM devices across indications.[14]

This is calculated as 11 minutes per transmission, plus 0.6 minutes per SEGM.

Contact your Abbott Sales Representative or visit **cardiovascular.abbott/AssertIQ**

References

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† As of 12.31.24. Reveal LINQ‡ User Manual, LINQ II‡ User Manual, LUX-Dx‡ User Manual, LUX-Dx II/II+‡ User Manual, Biomonitor III‡ User Manual, Biomonitor IIIm‡ User Manual, Biomonitor IV‡ User Manual.

Rx Only

Brief Summary: Prior to using these devices, please review the Instructions for Use for a complete listing of indications, contraindications, warnings, precautions, potential adverse events and directions for use.

Indications for Use: The Assert-IQ™ ICM is indicated for the monitoring and diagnostic evaluation of patients who experience unexplained symptoms that may be cardiac-related such as: dizziness, palpitations, chest pain, syncope, and shortness of breath, as well as patients who are at risk for cardiac arrhythmias such as bradycardia, tachycardia, and sinus pauses. The Assert-IQ ICM is also indicated for patients who have been previously diagnosed with atrial fibrillation (AF) or who are susceptible to developing AF. The Assert-IQ ICM is intended to be inserted subcutaneously in the left pectoral region, also described as the left anterior chest wall. The Assert-IQ ICM has not been specifically tested for pediatric use.

Intended Use: The Assert-IQ ICM is intended to help physicians and clinicians monitor, diagnose and document the heart rhythm in patients who are susceptible to cardiac arrhythmias and unexplained symptoms by detecting arrhythmias and transmitting data for review.

Contraindications: There are no known contraindications for the insertion of the Assert-IQ ICM. However, the patient's particular medical condition may dictate whether or not a subcutaneous, chronically inserted device can be tolerated.

Potential Adverse Events: Possible adverse events (in alphabetical order) associated with the device, include the following: allergic reaction, bleeding, chronic nerve damage, erosion, excessive fibrotic tissue growth, extrusion, formation of hematomas or cysts, infection, keloid formation and migration.

Refer to the User's Manual for detailed indications for use, contraindications, warnings, precautions and potential adverse events.

An Abbott mobile transmitter is available for patients without their own compatible mobile device.

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