

# THE FUTURE IS HERE

Meet LINQ II™  
Insertable Cardiac Monitoring System



**Medtronic**  
Further, Together



# THE FUTURE IS HERE

Meet LINQ II™

Insertable Cardiac Monitor



## UNMATCHED ACCURACY

- The lowest published rate of AF false positives<sup>1-4</sup>
- Exclusive pause detection algorithm
- Exclusive PVC detector
- Reduction in alerts<sup>5,6</sup>

\*Nominal settings.

†First European (TUV notified body) approved remote programmable device.



## REIMAGINED CONNECTIVITY

- 4.5-year\* longevity<sup>7</sup>
- BlueSync™ technology enables app-based remote monitoring
- Two monitoring options to fit patient lifestyle and increase patient compliance<sup>8,9</sup>



## STREAMLINED WORKFLOWS

- World's first ICM with remote programming<sup>†7</sup>
- Smart memory management reduces repetitive ECG<sup>10</sup>
- Remote access to full ECGs eliminates the need for manual transmissions<sup>7</sup>
- Exclusive app-based device management solution
- Reduction in clinic time for reviewing ICM transmission<sup>6</sup>

# THE FUTURE IS HERE

## LINQ II™ INSERTABLE CARDIAC MONITORING SYSTEM



### UNMATCHED ACCURACY

- The lowest published rate of AF false positives<sup>1-4</sup>
- Exclusive pause detection algorithm
- Exclusive PVC detector
- Reduction in alerts<sup>5,6</sup>



### REIMAGINED CONNECTIVITY



### STREAMLINED WORKFLOWS

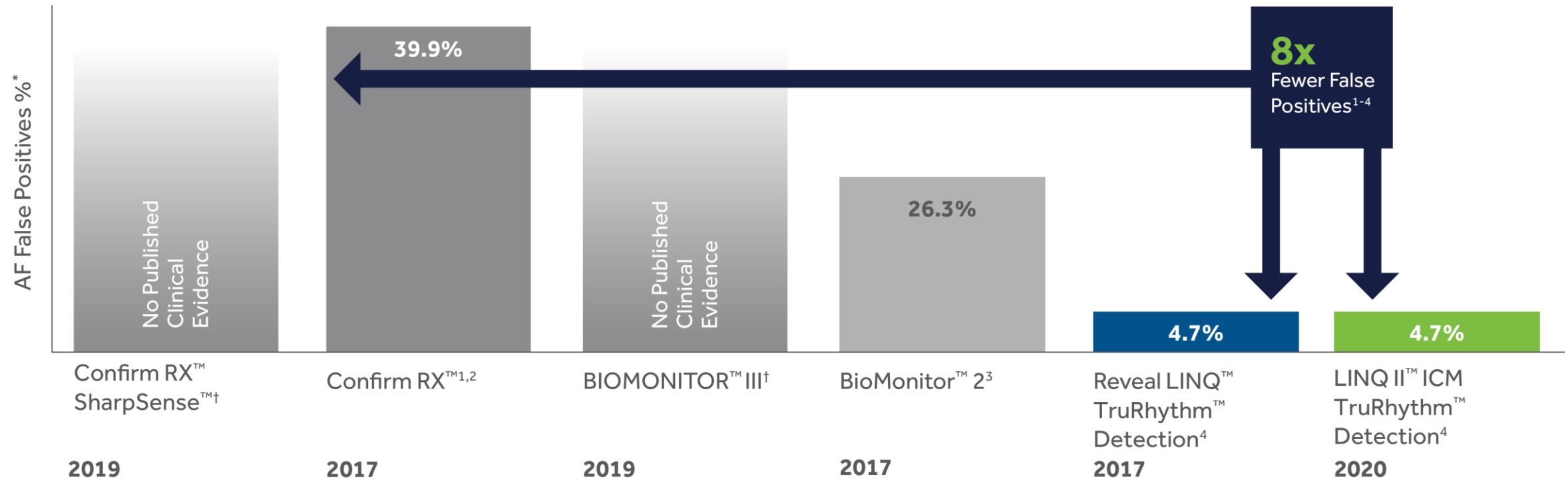


# UNMATCHED ACCURACY

## LOWEST PUBLISHED RATE OF AF FALSE POSITIVES

**LINQ II™ Delivers the Lowest Published Rate of AF False Positives<sup>1-4</sup>**

4



**Disclaimer:** A controlled, head-to-head study evaluating the comparative performance of these devices has not been done.

\*Based on AF episodes ≥ 2 minutes and in known AF patients. % of false positives = (1 – episode PPV). AF episodes PPV may vary between gross and patient average.

†Confirm Rx™ with SharpSense™ technology & BIOMONITOR III have no published clinical evidence showing AF episode PPV or AF sensitivity. BioMonitor 2 has no published clinical evidence showing AF sensitivity.

# UNMATCHED ACCURACY

## REDUCTION IN ALERTS VIA ALGORITHM IMPROVEMENTS AND NEW NOMINAL SETTINGS<sup>5</sup>

### NEW ALGORITHMS

#### PAUSE

- Reduces false positive by addressing<sup>7</sup>
  - Low amplitude
  - Electrical noise
  - Loss of contact

#### BRADY

- Clinicians can choose to limit or disable nighttime brady ECG storage<sup>7</sup>
- Brady Nighttime ECGs programmable to None, 1 ECG, or Up to 3 ECGs<sup>7</sup>

#### TACHY

- Reduces 49% non-ventricular tachycardia episodes (vs. Reveal LINQ™ ICM) by requiring rapid tachy onset<sup>12</sup>
- Programmable (On/Off) Require Rapid Onset

### NEW NOMINAL SETTINGS

#### PAUSE

- Pause Duration:
  - 3 seconds for syncope patients
  - 5 seconds for all other patients<sup>5</sup>

#### BRADY

- Brady Duration:
  - 4 beats for syncope patients
  - 12 beats for all other patients
- Nighttime ECGs Stored:
  - 1 ECG for syncope patients
  - None for all other patients

#### TACHY

- Require Rapid Onset:
  - Off for VT patients
  - On for all other patients

# THE FUTURE IS HERE

## LINQ II™ INSERTABLE CARDIAC MONITORING SYSTEM



UNMATCHED  
ACCURACY



REIMAGINED  
CONNECTIVITY

- 4.5-year\* longevity<sup>7</sup>
- BlueSync™ technology enables app-based remote monitoring
- Two monitoring options to fit patient lifestyle and increase patient compliance<sup>8,9</sup>



STREAMLINED  
WORKFLOWS

\*Nominal settings.



# REIMAGINED CONNECTIVITY

## THE MORE YOU LOOK, THE MORE YOU FIND

- 4.5-year\* longevity allows for increased disease management capabilities without sacrificing device size.<sup>7</sup>
- Battery longevity allows for utilization as disease management tool for patients with AF.<sup>7</sup>

Reveal LINQ™

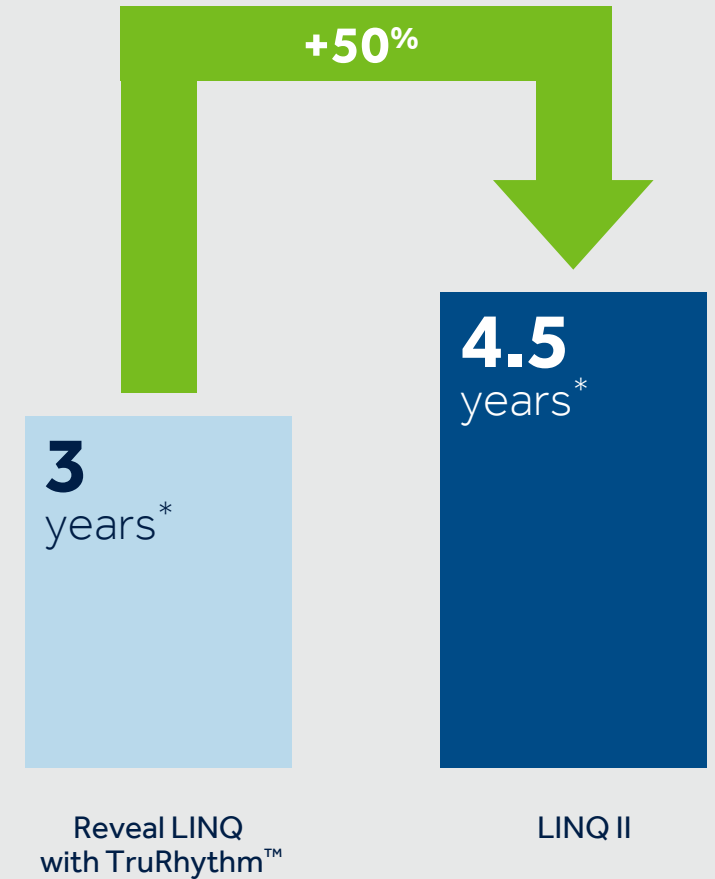


LINQ II™



**Note:** Parameters can be changed via Reveal LINQ™ Mobile Manager at implant.

\*Nominal settings.



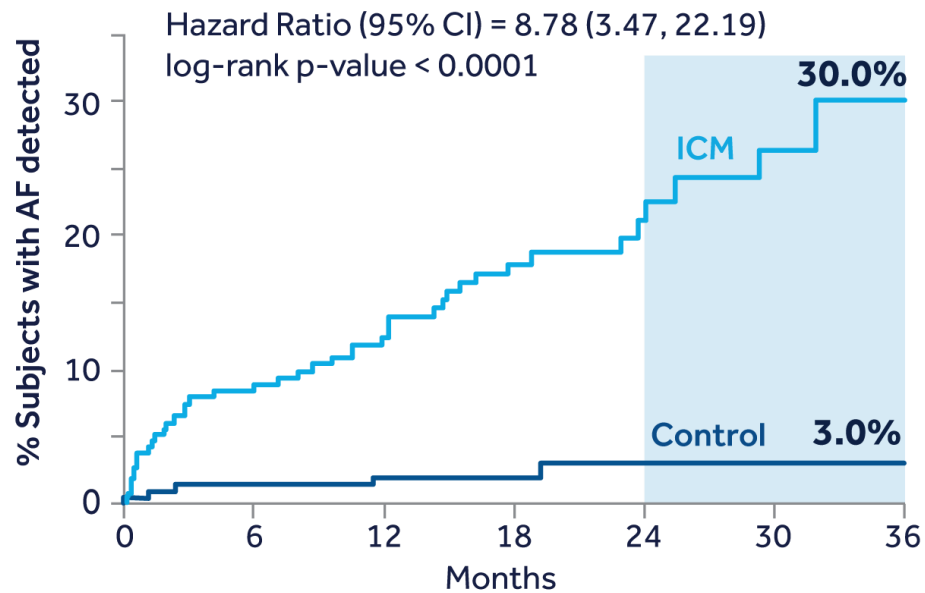
**\*IMPORTANT:** Faster Bluetooth® Low Energy communication when MyCareLink Heart™ Mobile App Optimization is enabled will impact device longevity. Refer to the LINQ II clinician manual for more information on MyCareLink Heart Mobile App Optimization and projections on device longevity.

# REIMAGINED CONNECTIVITY

THE MORE YOU LOOK, THE MORE YOU FIND

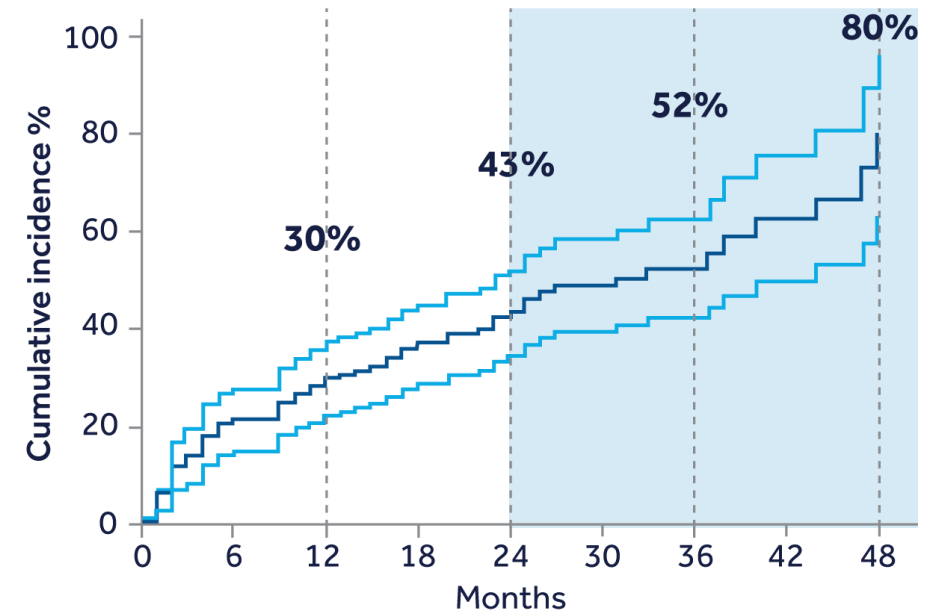
**30%+**

Cryptogenic stroke  
AF diagnoses occur  
after 2 years<sup>15</sup>



**20%+**

Syncope diagnoses  
occur after 2 years<sup>16</sup>





# THE FUTURE IS HERE

## LINQ II™ INSERTABLE CARDIAC MONITORING SYSTEM



### UNMATCHED ACCURACY



### REIMAGINED CONNECTIVITY

- 4.5-year\* longevity<sup>7</sup>
- BlueSync™ technology enables app-based remote monitoring
- Two monitoring options to fit patient lifestyle and increase patient compliance<sup>8,9</sup>



### STREAMLINED WORKFLOWS

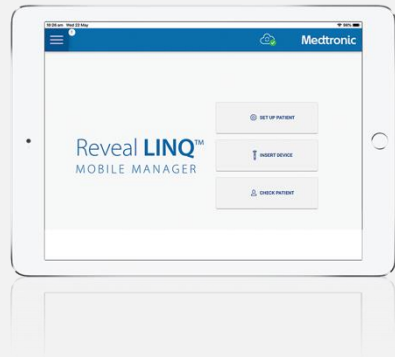
\*Nominal settings.



# REIMAGINED CONNECTIVITY

## SECURE, WIRELESS COMMUNICATION WITHOUT COMPROMISING LONGEVITY

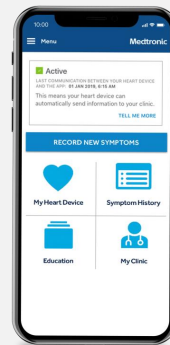
BlueSync™ technology within LINQ II™ ICM enables secure, wireless communication via Bluetooth® Low Energy without compromising device longevity.<sup>7</sup>



Reveal LINQ™  
Mobile Manager



LINQ II™



MyCareLink Heart™ mobile app on  
patient's smartphone or tablet,  
or MyCareLink Relay™ home  
communicator for bedside use



CareLink™ network



Medtronic Stay Connected<sup>SM</sup>,  
Get Connected,<sup>\*</sup> and  
Medtronic FocusOn<sup>SM</sup>  
Monitoring Service<sup>†</sup>

<sup>\*</sup>Talk to your Medtronic representative to learn how to sign up for this free service.

<sup>†</sup>Medtronic FocusOn<sup>SM</sup> Monitoring Service is provided by Medtronic Monitoring Inc., a wholly owned subsidiary of Medtronic.

# THE FUTURE IS HERE

## LINQ II™ INSERTABLE CARDIAC MONITORING SYSTEM



### UNMATCHED ACCURACY



### REIMAGINED CONNECTIVITY

- 4.5-year\* longevity<sup>7</sup>
- BlueSync™ technology enables app-based remote monitoring
- Two monitoring options to fit patient lifestyle and increase patient compliance<sup>8,9</sup>



### STREAMLINED WORKFLOWS

\*Nominal settings.



# REIMAGINED CONNECTIVITY

## SMART MONITORING

### Personalized for the Patient's Lifestyle

Two different monitoring options to address your patients' monitoring needs



#### PATIENT COMPLIANCE

Results in increased clinic efficiencies<sup>8,9,17</sup>



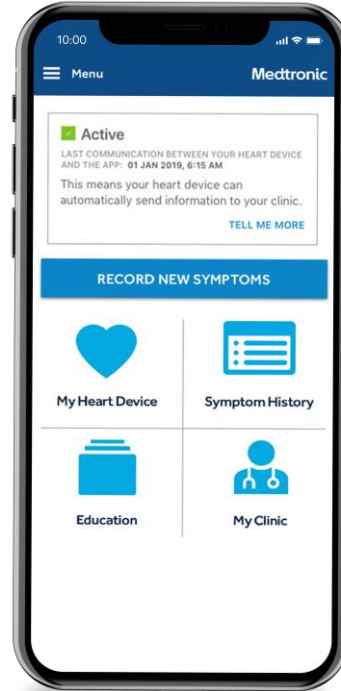
#### PATIENT ENGAGEMENT

Promotes patient satisfaction<sup>8</sup>



#### UPGRADEABILITY

Sets the foundation for future technologies



MyCareLink Heart™  
mobile app\*

OR



MyCareLink Relay™  
home communicator

\*Please visit [MCLHeart.com](http://MCLHeart.com) for a list of compatible smartphones and tablets.

# THE FUTURE IS HERE

## LINQ II™ INSERTABLE CARDIAC MONITORING SYSTEM



**UNMATCHED  
ACCURACY**



**REIMAGINED  
CONNECTIVITY**



**STREAMLINED  
WORKFLOWS**

- World's first ICM with remote programming<sup>\*7</sup>
- Smart memory management reduces repetitive ECG<sup>10</sup>
- Remote access to full ECGs eliminates the need for manual transmissions<sup>7</sup>
- Exclusive app-based device management solution
- Reduction in clinic time for reviewing ICM transmission<sup>6</sup>

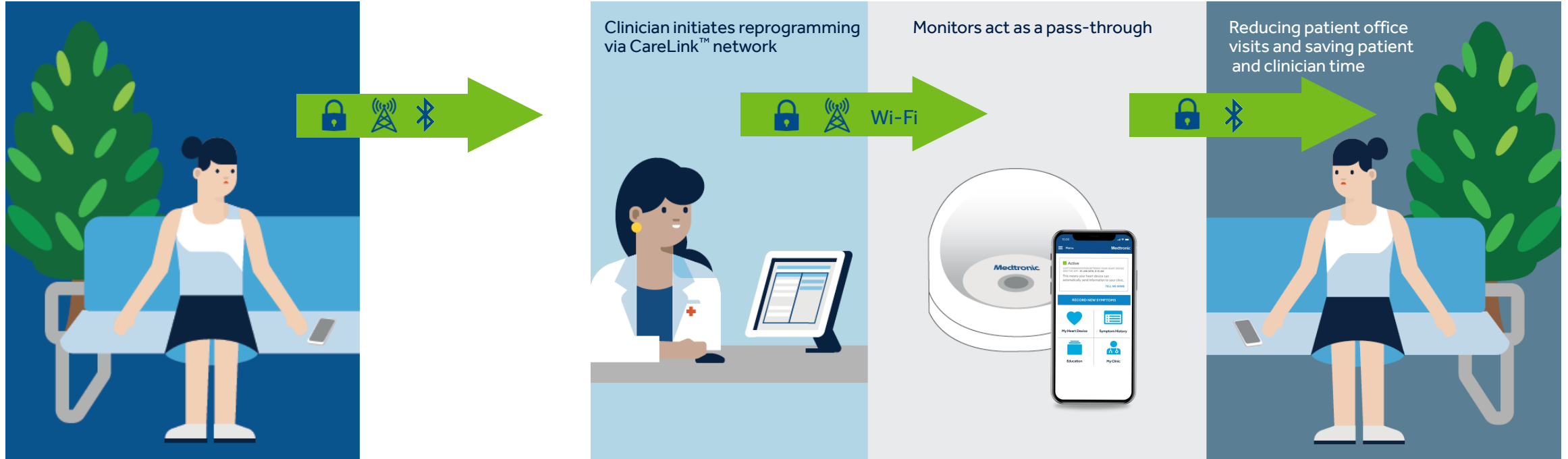
<sup>\*</sup>First European (TUV notified body) approved remote programmable device.



# STREAMLINED WORKFLOWS

## REMOTE PROGRAMMING

LINQ II™ ICM enables remote programming capability for device parameters through a secure communication from CareLink™ to patient monitor to device.\*7



**1** Patients can be anywhere for transmissions to occur. Their smartphone captures data via Bluetooth® so information is not dependent on transmissions — they are continuously occurring.

**2** Via secure cellular, clinician receives and reviews the information, makes any necessary reprogramming adjustments on the CareLink network, and sends directly back to the patient's device, reducing patient office visits and saving patient and clinician time.

\*Where cellular or Wi-Fi connectivity is available.

# THE FUTURE IS HERE

## LINQ II™ INSERTABLE CARDIAC MONITORING SYSTEM



UNMATCHED  
ACCURACY



REIMAGINED  
CONNECTIVITY



STREAMLINED  
WORKFLOWS

- World's first ICM with remote programming<sup>\*7</sup>
- Smart memory management reduces repetitive ECG<sup>10</sup>
- Remote access to full ECGs eliminates the need for manual transmissions<sup>7</sup>
- Exclusive app-based device management solution
- Reduction in clinic time for reviewing ICM transmission<sup>6</sup>

\*First European (TUV notified body) approved remote programmable device.



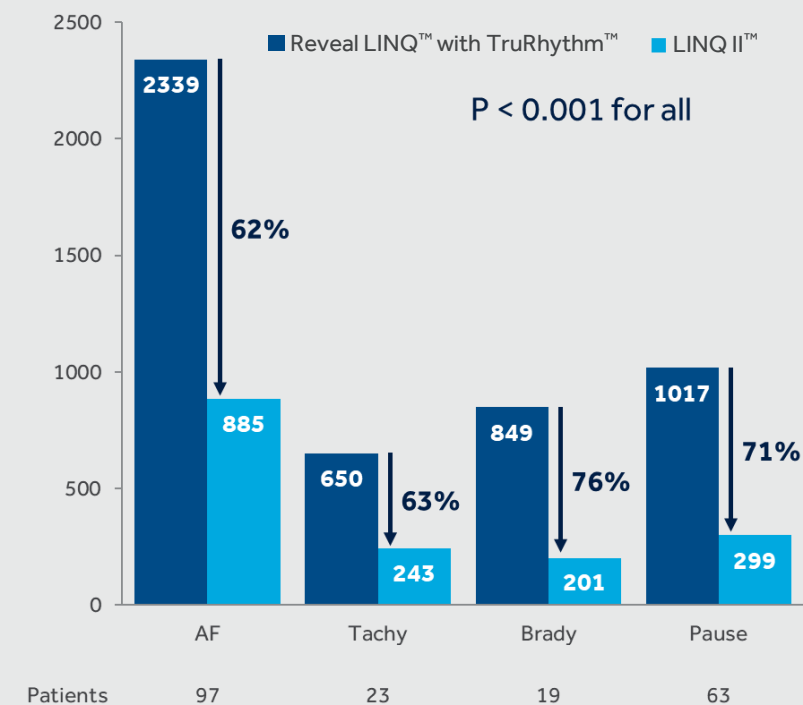
# STREAMLINED WORKFLOWS

## REDUCTION IN REPETITIVE ECG REVIEW<sup>10</sup>

**66%**  
REDUCTION IN  
REPETITIVE ECG  
DATA REVIEW



# ECGs for Review by Episode Type





# THE FUTURE IS HERE

## LINQ II™ INSERTABLE CARDIAC MONITORING SYSTEM



**UNMATCHED  
ACCURACY**



**REIMAGINED  
CONNECTIVITY**



**STREAMLINED  
WORKFLOWS**

- World's first ICM with remote programming<sup>\*7</sup>
- Smart memory management reduces repetitive ECG<sup>10</sup>
- Remote access to full ECGs eliminates the need for manual transmissions<sup>7</sup>
- Exclusive app-based device management solution
- Reduction in clinic time for reviewing ICM transmission<sup>6</sup>

\*First European (TUV notified body) approved remote programmable device.

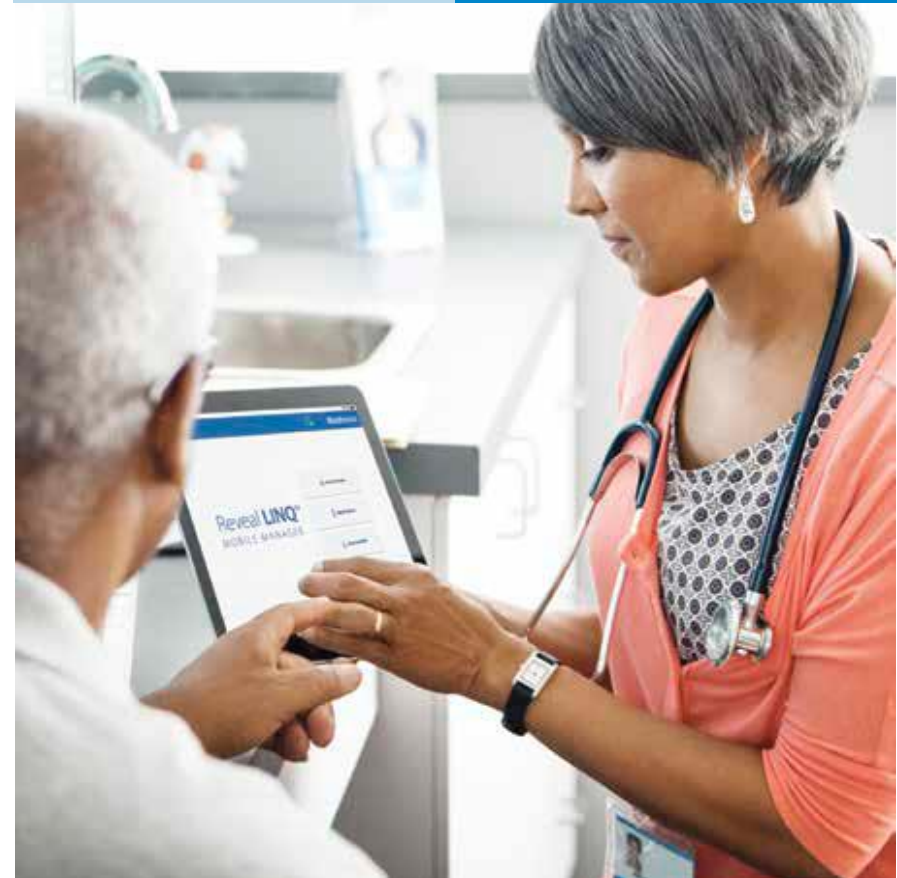


# STREAMLINED WORKFLOWS

## EXCLUSIVE APP-BASED DEVICE MANAGEMENT SOLUTION

**The Reveal LINQ™ Mobile Manager tablet app makes it possible to manage all your workflow needs, including<sup>18</sup>:**

- Device activation
- Device programming
- Performing follow-up checks
- Customized patient education



# THE FUTURE IS HERE

## LINQ II™ INSERTABLE CARDIAC MONITORING SYSTEM



**UNMATCHED  
ACCURACY**



**REIMAGINED  
CONNECTIVITY**



**STREAMLINED  
WORKFLOWS**

- World's first ICM with remote programming<sup>\*7</sup>
- Smart memory management reduces repetitive ECG<sup>10</sup>
- Remote access to full ECGs eliminates the need for manual transmissions<sup>7</sup>
- Exclusive app-based device management solution
- Reduction in clinic time for reviewing ICM transmission<sup>6</sup>

<sup>\*</sup>First European (TUV notified body) approved remote programmable device.



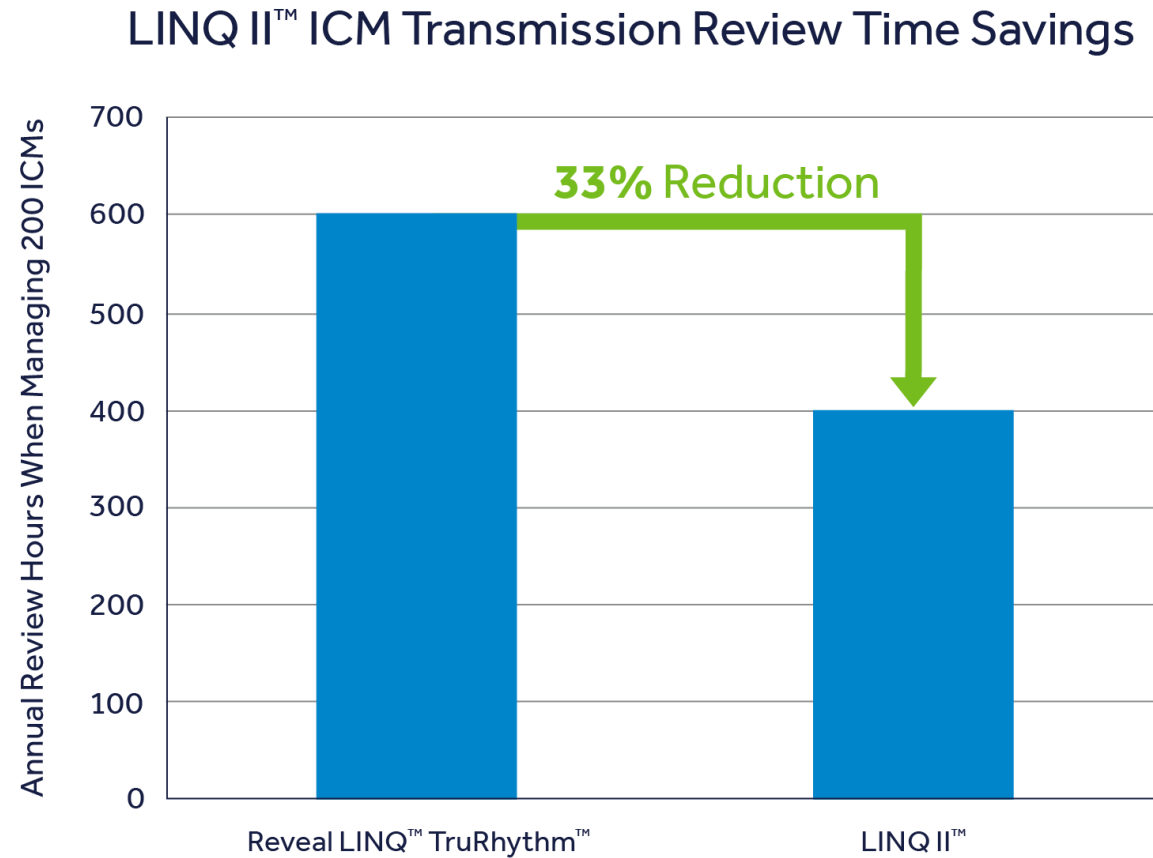
# LINQ II™ ICM PROJECTED TO DELIVER EFFICIENCY GAINS FOR DEVICE CLINICS

## 33% TIME SAVINGS FOR REVIEWING ICM TRANSMISSIONS<sup>6</sup>

**Fewer Alerts  
from New  
Algorithms and  
Nominal Settings**



**Elimination  
of Manual  
Transmission**



**MORE TIME TO  
FOCUS ON  
PATIENT CARE**

**Over 200 Clinic  
Hours/Year Saved**

at clinics managing  
200 ICMs<sup>19</sup>



# THE FUTURE IS HERE

Meet LINQ II™

Insertable Cardiac Monitor



## UNMATCHED ACCURACY

- The lowest published rate of AF false positives<sup>1-4</sup>
- Exclusive pause detection algorithm
- Exclusive PVC detector
- Reduction in alerts<sup>5,6</sup>

\*Nominal settings.

†First European (TUV notified body) approved remote programmable device.



## REIMAGINED CONNECTIVITY

- 4.5-year\* longevity<sup>7</sup>
- BlueSync™ technology enables app-based remote monitoring
- Two monitoring options to fit patient lifestyle and increase patient compliance<sup>8,9</sup>



## STREAMLINED WORKFLOWS

- World's first ICM with remote programming<sup>†7</sup>
- Smart memory management reduces repetitive ECG<sup>10</sup>
- Remote access to full ECGs eliminates the need for manual transmissions<sup>7</sup>
- Exclusive app-based device management solution
- Reduction in clinic time for reviewing ICM transmission<sup>6</sup>

References

<sup>1</sup> Nölker G, et al. *J Cardiovasc Electrophysiol*. 2016;27:1403–1410.  
<sup>2</sup> Confirm Rx™ ICM DM3500 FDA Clearance Letter. 2017.  
<sup>3</sup> Biotronik BioMonitor™ 2 Technical Manual. 2017.  
<sup>4</sup> Pürerfellner H, et al. *Europace*. 2018;20:f321–f328.  
<sup>5</sup> Epstein AE, et al. *J Am Coll Cardiol*. 2013;61:e6–e75.  
<sup>6</sup> Alert Analysis for Reveal LINQ with TruRhythm and LINQ II. Medtronic data on file. 2020.  
<sup>7</sup> LINQ II LNQ22 ICM Clinician Manual. M974764A001D.  
<sup>8</sup> Cronin EM, et al. *Heart Rhythm*. 2012;9:1947–1951.  
<sup>9</sup> Varma N. *Cont Cardiol Educ*. 2016;2:198–204.  
<sup>10</sup> Van Heel L, et al. *Circulation*. 2019;140:A11830.

Brief Statement

Medtronic LINQ II™ Insertable Cardiac Monitor System (ICM) and Remote Monitoring

Indications

The LINQ II ICM is an insertable automatically activated and patient-activated monitoring system that records subcutaneous ECG and is indicated in the following cases:

- Patients with clinical syndromes or situations at increased risk of cardiac arrhythmias
- Patients who experience transient symptoms such as dizziness, palpitation, syncope, and chest pain that may suggest a cardiac arrhythmia

The device has not been tested specifically for pediatric use.

Contraindications

There are no known contraindications for the insertion of the LINQ II ICM or its accessories. However, the patient’s particular medical condition may dictate whether or not a subcutaneous, chronically inserted device can be tolerated.

Warnings and Precautions

Patients with the LINQ II ICM should avoid sources of diathermy, high sources of radiation, electrosurgical cautery, external defibrillation, lithotripsy, therapeutic ultrasound, and radiofrequency ablation to avoid electrical reset of

<sup>11</sup> Passman R, et al. *Heart Rhythm*. 2017;14:1016–1023.  
<sup>12</sup> Medtronic data on file. 2019.  
<sup>13</sup> Penela D, et al. *J Am Coll Cardiol*. 2013;62:1195–1202.  
<sup>14</sup> Penela D, et al. *Heart Rhythm*. 2017;14:1864–1870.  
<sup>15</sup> Sanna T, et al. *N Engl J Med*. 2014;370:2478–2486.  
<sup>16</sup> Furukawa T, et al. *J Cardiovasc Electrophysiol*. 2012;23:67–71.  
<sup>17</sup> Fowles JB, et al. *Patient Educ Couns*. 2009;77:116–122.  
<sup>18</sup> Reveal LINQ™ Mobile Manager 2.3 Online Help Instructions for Use.  
<sup>19</sup> Rosemas S. AF Algorithm Clinic Efficiency. Medtronic data on file. April 2020.

the device, and/or inappropriate sensing as described in the medical procedure and EMI Warnings, Precautions and Guidance Manual. MRI scans should be performed only in a specified MR environment under specified conditions as described in the LINQ II MRI Technical Manual. Wireless accessories available for use with LINQ II may experience connectivity or performance issues. See product manuals for details and troubleshooting instructions.

Potential Adverse Events

Potential adverse events from the LINQ II ICM include, but are not limited to, device rejection phenomena (including local tissue reaction), device migration, infection, and erosion through the skin. There are no known adverse events associated with the use of any LINQ II ICM wireless accessory. See the device manuals for detailed information regarding the implant procedure, indications/intended use, contraindications, warnings, precautions, and potential complications/adverse events. For further information, please call Medtronic at 1-800-328-2518 (Technical Services), 1-800-551-5544 (Patient Services), and/or consult the Medtronic website at medtronic.com.

**Caution:** Federal law (USA) restricts prescription devices to sale by or on the order of a physician.

**Medtronic**  
710 Medtronic Parkway  
Minneapolis, MN 55432-5604  
USA

Toll-free in USA:  
800.633.8766  
Worldwide: +763.514.4000  
**medtronic.com**

UC202005708 EN ©2020 Medtronic.  
Minneapolis, MN. All Rights Reserved. 05/2020

All rights reserved. Medtronic, Medtronic logo, and Further, Together are trademarks of Medtronic. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Medtronic is under license.™Other third party brands are trademarks of their respective owners. All other brands are trademarks of a Medtronic company.