

LATITUDE[®] Remote Patient Management System

LATITUDE is Boston Scientific's Remote Patient Management (RPM) system. Incorporating state-of-the-art hard and software technology, it enables physicians to remotely monitor data directly from their patients' implanted devices. The LATITUDE RPM makes the device and patient follow-up process significantly more efficient and effective, saving time for physicians and their patients due to remote access capability.

The LATITUDE RPM consists of the following components:

- The LATITUDE Communicator, which wirelessly reads and transmits implantable device information at times specified by the physician. The Communicator sends the data it collects to a secure data storage system, which can be accessed by clinicians through a secure web server from any internet-connected PC.
- The secure LATITUDE website allows physicians access to their patients' data at anytime, from any destination. The website allows customized data reports to different physicians (for example, the patient's GP and cardiologist), improving the overall network of heart failure management. The LATITUDE website also provides a digital archive for patient data as well as robust reporting capabilities, allowing closer patient monitoring without increasing physician workload

The LATITUDE RPM incorporates many groundbreaking innovations. For example, the Communicator is powered by the mains electrical supply, and therefore does not affect device battery life during readings, ensuring device longevity and reducing the need for extra implants. Uniquely, the LATITUDE system also incorporates optional wireless weighing scales and blood pressure cuffs for remote monitoring of heart failure status. Patients can also remotely self-report heart failure symptoms, such as fatigue, ankle swelling and orthopnea, on a weekly basis.

Boston Scientific provides training and support to enable physicians to take full advantage of the LATITUDE system. As well as a dedicated, multi-lingual call-centre to provide real-time physician support, the system enables patients to travel and take holidays within 14 European countries. The LATITUDE Communicator dials out to toll-free numbers in each country, allowing seamless continuation of data collection. Patient data is stored, backed-up and protected in secure servers located around Europe: both patients and physicians can be assured that their data is completely safe.

The LATITUDE RPM system is available in the U.S. and received CE Mark in Europe on July 7th, 2009. The first enrollments of European patients onto the LATITUDE system were performed by Dr. J.H. Ruiters at Medisch Centrum Hospital, Alkmaar, Netherlands and Dr. Peter Mortensen, Skejby University Hospital, Aarhus, Denmark.