THE FACTS About Cochlear Implant System Reliability

Before choosing a cochlear implant system, be sure you GET THE FACTS about Total System Reliability—the reliability of both internal and external components.

AB’s Commitment to You

Request Information
Get information on AB products, educational materials, resources and references, news and events, and a whole lot more.

Comprehensive Warranty
Your internal implant is covered for 10 years, the external processor for three years, including a one-time loss and damage coverage.

Technical Support Hotline
Highly trained representatives provide immediate assistance 12 hours a day (9 a.m. – 5 p.m. PST), Monday through Friday—with emergency pagers access on weekends.

Clinic Finder
AB offers a comprehensive listing of cochlear implant clinics around the world.

Reimbursement Services
AB’s insurance experts provide comprehensive assistance, including reviews of your coverage, pre-authorization services, direct billing, and help with Medicare.

48-Hour Product Replacement
Should any part of your system break, AB will ship you the necessary replacement part(s) within 48 hours (two business days).

Online Chat Support
Along with phone support, AB also offers online chat support for technical or general assistance, as well as any other questions you may have.

Webstore
Convenient, 24/7 online shopping for parts and accessories.
THE FACTS About Cochlear Implant System Reliability

FACT: Advanced Bionics sets the highest standard for measuring reliability.
Because of the importance of device reliability, AB adheres to an even stricter standard than what is used industry-wide. In fact, AB counts all devices removed for non-medical reasons as a failure. No other cochlear implant device manufacturer maintains such a high quality standard.

FACT: All manufacturers have a very high level of implant device reliability.
Manufacturer-reported data and independent research shows that there is no significant difference in failure rates across devices.1,2,3 Made to last, AB cochlear implants implanted today demonstrate very high reliability with a 99.6% two-year cumulative survival rate (CSR),3 a measure that defines the likelihood of a device continuing to function over time. You can rest assured that an AB cochlear implant device will continue to work so that you will always hear your best.

FACT: External device reliability determines whether you or your child can depend on your hearing day after day.
A broken external sound processor means you or your child won’t be able to hear until it’s repaired or replaced. During this downtime, you miss out on your baby’s giggles, a long-awaited concert, or an important business meeting—all the special details of life. Your child’s language skills stop developing and your words of encouragement won’t be heard. You need a system with highly reliable external device components so that you can hear your best every day without interruption or inconvenience.

FACT: AB is the industry leader in reporting and delivering the highest external device reliability—less than 1% failure rate for the Harmony sound processor.4
AB proudly reports and publicizes external reliability data. Ask your audiologist about the external reliability rates of other cochlear implant manufacturers and how poor external reliability can impact your hearing experience.

FACT: AB has the Highest Total System Reliability

Advanced Bionics recognizes the need to improve its recipients’ experience with reliability. Over AB’s 16-year history, the company has remained focused on making significant advancements in the reliability of its cochlear implant systems. Dramatic improvements have been achieved, positioning today’s AB cochlear implant system as number one in Total System Reliability. While researching reliability, make certain you have the most current data available.

References:
4. AB’s Internal Reliability + AB’s External Reliability = Highest Total System Reliability.

To learn more about the Harmony® HiResolution® Bionic Ear System, or for any other questions or concerns you may have, please visit AB’s website at www.BionicEar.com, contact AB’s Bionic Ear Association by calling 866.844.HEAR (4327), or email hear@AdvancedBionics.com.

When selecting a cochlear implant for yourself or a loved one, you are not just choosing an implant device—you are choosing an entire hearing system made up of both internal and external components. Because the success of how well you or your child will hear with a cochlear implant system depends most on reliability and performance, it’s crucial that you GET THE FACTS about Total System Reliability.
Harmony® HiResolution®
Bionic Ear System
Number One in System Reliability and Durability—Guaranteed

HEADQUARTERS
Advanced Bionics, LLC
12740 San Fernando Road
Sylmar, CA 91342 USA
877. 829.0026 in US and Canada
800. 678.3575 TTY
661. 362.1400
661. 362.1500 Fax
info@AdvancedBionics.com

EUROPE
Advanced Bionics SARL
76 rue de Battenheim
68170 Rosheim, France
+33.0.3.89.65.98.00
+33.0.3.89.65.50.05 Fax
europe@AdvancedBionics.com

ASIA PACIFIC
Advanced Bionics Asia-Pacific Limited
Suite 4203, 42/F, Tower One
Lippo Centre, 89 Queensway
Hong Kong
852.2526.7668
852.2526.7628 Fax
AP@AdvancedBionics.com

LATIN AMERICA
Advanced Bionics
Mann Biomedical Park
25129 Rye Canyon Loop
Valencia, CA 91355, USA
661. 362.1840
661. 362.4604 Fax
LA@AdvancedBionics.com

www.AdvancedBionics.com

Selecting the right cochlear implant will open up the world of hearing to you or your child. However, Advanced Bionics recognizes that it can also be challenging and, at times, seem a bit overwhelming. But rest assured that tens of thousands of people just like you have been in the same exact position, and, after careful consideration and deliberation, they chose AB cochlear implants to help restore their hearing or the hearing of their children. Reliability—both of the internal and external components of the system—is a major factor in selecting, and living with, a cochlear implant. So it’s important to know the “Total System Reliability” of a cochlear implant before selecting the right one for you.

This report will provide you with the Total System Reliability information you need to make an informed, confident decision in choosing the best cochlear implant system for you or your child. AB is confident that after reviewing this information, you’ll see that the Harmony HiResolution Bionic Ear System (Harmony) is the clear choice.

By choosing AB, you’ll enjoy Total System Reliability and the peace of mind that comes with knowing you or your child:

• Can count on your cochlear implant every day for better hearing at work, school, or play.
• Will not experience interruptions in hearing because of a broken sound processor.
• Can take full advantage of future implant innovations without undergoing additional surgery.

Implant Reliability

In accordance with international standards, AB uses Cumulative Survival Rate (CSR) to report the reliability of the implants it builds. CSR conveys the likelihood of a device continuing to function over time, helping to answer the question most often asked by candidates or parents: What is the likelihood that my (or my child’s) device will be functioning in one, two, three years and beyond?

According to the international standards, the definition of device failure is “when a device exhibits one or more characteristics outside of the manufacturer’s specifications.” AB imposes an even stricter standard as part of our quality policy by counting all devices removed for other than medical reasons as failed devices.

Based on this scrupulous standard, AB’s HiRes 90K implant consistently demonstrates a very high reliability that’s comparable to—or exceeds—industry standards (Figure 1). An extremely low number of implants fail less than 1% after three years of service. If any failures do occur, as determined by AB’s vigorous quality testing, they undergo an intense investigation to determine if modifications are necessary to improve internal implant reliability. If modifications can improve reliability, they’re made. So you can count on the HiRes 90K implant to deliver reliable service to you or your child for many years to come.

External Component Reliability

Total System Reliability is made up of both highly reliable internal and external components. In selecting the Harmony System, you’ll experience a very high reliability of the internal components, but you’ll also get highly reliable external components. The Harmony BTE (behind-the-ear) processor and the body-worn Platinum Series® Sound Processor (the nothing-on-the-ear option) both have extremely low failure rates of less than 1% (Figure 2).

A major reason for the Harmony BTE’s extremely high reliability is its two-fold advanced water protection system. First, its Xylex® case is designed to shed moisture and resist water penetration. Second, the internal circuit boards have been treated with a “conformal coating,” a waterproof layer covering all of the internal components. So you or your child can rest assured that Harmony will continue to work in real-world conditions.

More Hearing, Less Downtime

Harmony’s industry-leading Total System Reliability means fewer repairs and minimal unexpected interruptions in hearing. So you or your child can count on your cochlear implant for better hearing at work, school, or play and enjoy peace of mind knowing it’ll be there for you when you need it.

In addition, as part of it’s commitment to “patients first,” AB guarantees an expedited return of a working processor within 48 hours, in the unlikely event that your or your child’s processor ever does malfunction. This type of guarantee is unique to AB. It’s just one of the many ways AB is here to support the hearing of you or your child for a lifetime.

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AB—The Best Choice to Hear Your World

AB offers the most reliable, durable, and water-resistant cochlear implant system on the market today. But it doesn’t stop there; the people of AB are committed to continually making products that meet or exceed your expectations for quality, performance, and service.

Here are just a few reasons why AB’s Harmony is the right choice for you or your child:

• Technology that provides the best opportunity for you or your child to hear. Harmony is designed to provide hearing that’s the closest to normal hearing of any cochlear implant. Only Harmony provides five times more sound resolution to maximize hearing. Studies have shown that Harmony improves not only hearing in quiet conversations and small groups, but also in noisy places like restaurants and classrooms. Harmony users also enjoy listening to music.2

• Easy to use: With AutoSound®, you or your child can go from quiet to noisy environments and still hear at your best—without the need to continually adjust the processor.

• Wireless connectivity: This includes connecting to the most popular telecommunications (including hands-free headsets, such as Bluetooth®), MP3 players (iPod®), and audio systems—the same systems used by people with normal hearing. With Harmony, there are no cumbersome cables or cords. Only AB offers wireless, hands-free, hassle-free hearing.

• Made in the USA: AB is the only American manufacturer of cochlear implants, and our reputation for quality and outstanding customer service are second to none. With unmatched service programs and support, AB is dedicated to helping you or your child hear your best all day, every day, for life.

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