

For candidates

MED<sup>®</sup>EL

BONEBRIDGE  
Active. Like You.

hearLIFE

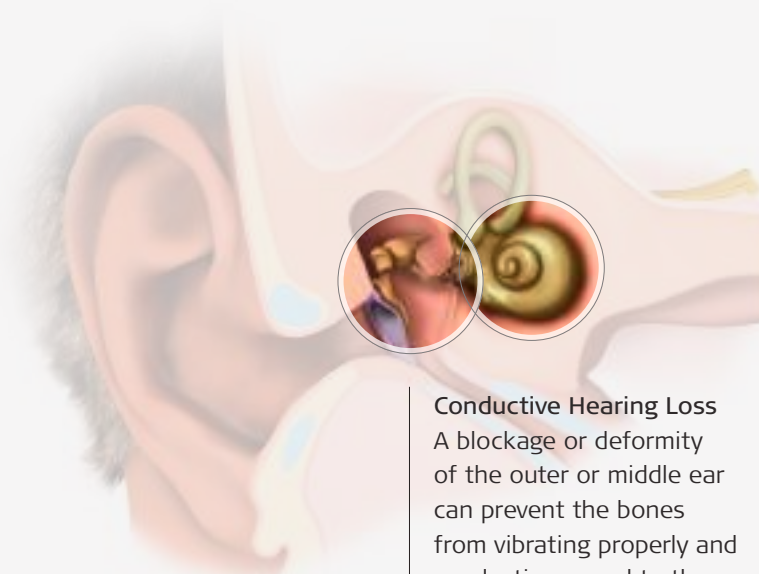
# Hello BONEBRIDGE, Hello Hearing

BONEBRIDGE is a unique hearing implant system. It uses direct-drive bone conduction technology to allow you to hear well. But what is bone conduction exactly? Can we really hear through our bones?

## The Magic of Bone Conduction

Everyone has experienced bone conduction—probably without even realizing it. If you stand too close to a loudspeaker and feel the bass in your body, that's sound waves vibrating your bones and tissues. Hearing can work the same way: vibrating the bone around the ear transfers sound waves to the inner ear, and you hear.

With normal hearing, sounds waves are usually transferred to your ear through the air. This is known as air conduction. Bone conduction is a different way of achieving the same natural hearing. MED-EL has developed innovative solutions which use the principle of bone conduction to let you hear again. BONEBRIDGE is one of these solutions.



### Single-Sided Deafness

Significant or complete loss of hearing on one side, while the hearing in the opposite ear is normal.

### Conductive Hearing Loss

A blockage or deformity of the outer or middle ear can prevent the bones from vibrating properly and conducting sound to the inner ear.

### Mixed Hearing Loss

A mixed hearing loss is a combination of sensorineural and conductive hearing loss in the same ear.



## Active. Like You.

BONEBRIDGE is a bone conduction implant system consisting of an external audio processor worn behind the ear and an implant, positioned surgically under the skin. The audio processor, kept in position directly over the implant by magnetic attraction, can be worn discreetly and comfortably under the hair. Sound waves picked up by the audio processor's microphones are converted into electrical signals that are transmitted across the skin just like a radio.

The electrical signals are converted into mechanical vibrations by the BONEBRIDGE implant and transmitted to the bone. The bone then conducts the vibrations directly to the inner ear. In the inner ear, the mechanical vibrations are converted into nerve signals and transmitted to the brain via the auditory nerve the way hearing naturally happens.

BONEBRIDGE is available for adults and children aged 12 years and above with the following types of hearing loss:

- Conductive hearing loss
- Mixed hearing loss
- Single-sided deafness

# The BONEBRIDGE System

## SAMBA 2 Audio Processor

Worn on the outside of the head



## BONEBRIDGE Implant

Placed fully under the skin



### Things to know:

- ✓ Comfortable to wear
- ✓ Slim and discreet
- ✓ Intelligent hearing technology
- ✓ Stylish Design Covers
- ✓ Easy to use

### Things to know:

- ✓ Excellent hearing performance
- ✓ Ergonomic design for healthy skin
- ✓ Natural sound quality
- ✓ Proven technology
- ✓ easyMRI technology for safe MRIs<sup>1</sup>

## SAMBA 2

### Audio Processor

Life can be complicated, but your hearing doesn't need to be. SAMBA 2 was designed to make your hearing experience as simple as possible. Its intelligent hearing technology automatically adapts to your environment, and learns how you want to hear.

We made SAMBA 2 small and light, so that you can hear comfortably all day long. Its streamlined, stylish design fits so neatly to your head, that you may even forget you're wearing it.

Everyday handling like changing batteries and swapping covers is quick and easy. And you can even manage your listening straight from your phone with the optional SAMBA 2 Remote app.

# Hearing Made Simple.

**Hear Anywhere**  
Automatically adjusts settings  
for optimal hearing whatever  
the situation.

**Sleek and Stylish**  
With the lowest profile  
on the market, it is  
easy to hide SAMBA 2  
under hair.



**Impressively Simple**  
Changing batteries and covers  
is fast and easy thanks to  
SAMBA 2's intuitive design.

**All Day Comfort**  
Stays in place with very little  
pressure on skin so it can be  
worn all day long.



## Expressive Design Covers

SAMBA 2's flexible design gives you freedom to swap covers and show off your style. Want to stand out from the crowd? Then go colorful with a bright Design Cover. Prefer to blend in? Choose a cover that matches your hair and hide your processor discreetly.



## Ready for Water

Optional WaterWear covers keep your SAMBA 2 safe and dry while you do laps in the pool, dive into the lake, or surf the waves.



## Unbeatable Battery Life

SAMBA 2 boasts the longest lasting battery life of any active transcutaneous audio processor on the market. With approximately 8-10 days on one standard 675 battery, SAMBA 2 offers affordable power you can rely on!



## Focused

SAMBA 2's adaptive directional microphones automatically identify and minimize distracting background noise. This is especially useful in places like noisy restaurants. With SAMBA 2, you can focus your attention fully on the conversation, with other noise from the back and the sides automatically faded out.



## Speech Tracking

SAMBA 2 automatically detects a car environment and activates Speech Tracking, which adapts the microphones toward speech no matter what direction voices come from. This makes it easier to focus on driving, while still carrying on a conversation.

## Adaptable and Intelligent

SAMBA 2 recognizes different hearing environments and automatically changes settings to match. What's more, Intelligent Sound Adapter 2.0 learns which settings you often change manually in which environments.

For example, if you always tend to turn up the volume in a quiet environment, SAMBA 2 can learn this information. The result? A more personalized hearing experience in every situation.

## Enhanced Noise Reduction

As well as reducing loud noise, SAMBA 2 also filters out background speech noise. It even works fast enough to reduce unexpected noises between single words.



## Wireless Connectivity

### Stream sound on the go

Connect SAMBA 2 to your phone with SAMBA 2 GO. Stream sound from your mobile phone, TV or tablet. SAMBA 2 Go brings the sound from your audio device straight to your ears, and can be used to make hands-free calls.

SAMBA 2 GO connects wirelessly to Bluetooth® devices and via a cable to non-Bluetooth devices. It can also be used with FM systems and remote microphones, for better hearing in noisy environments.



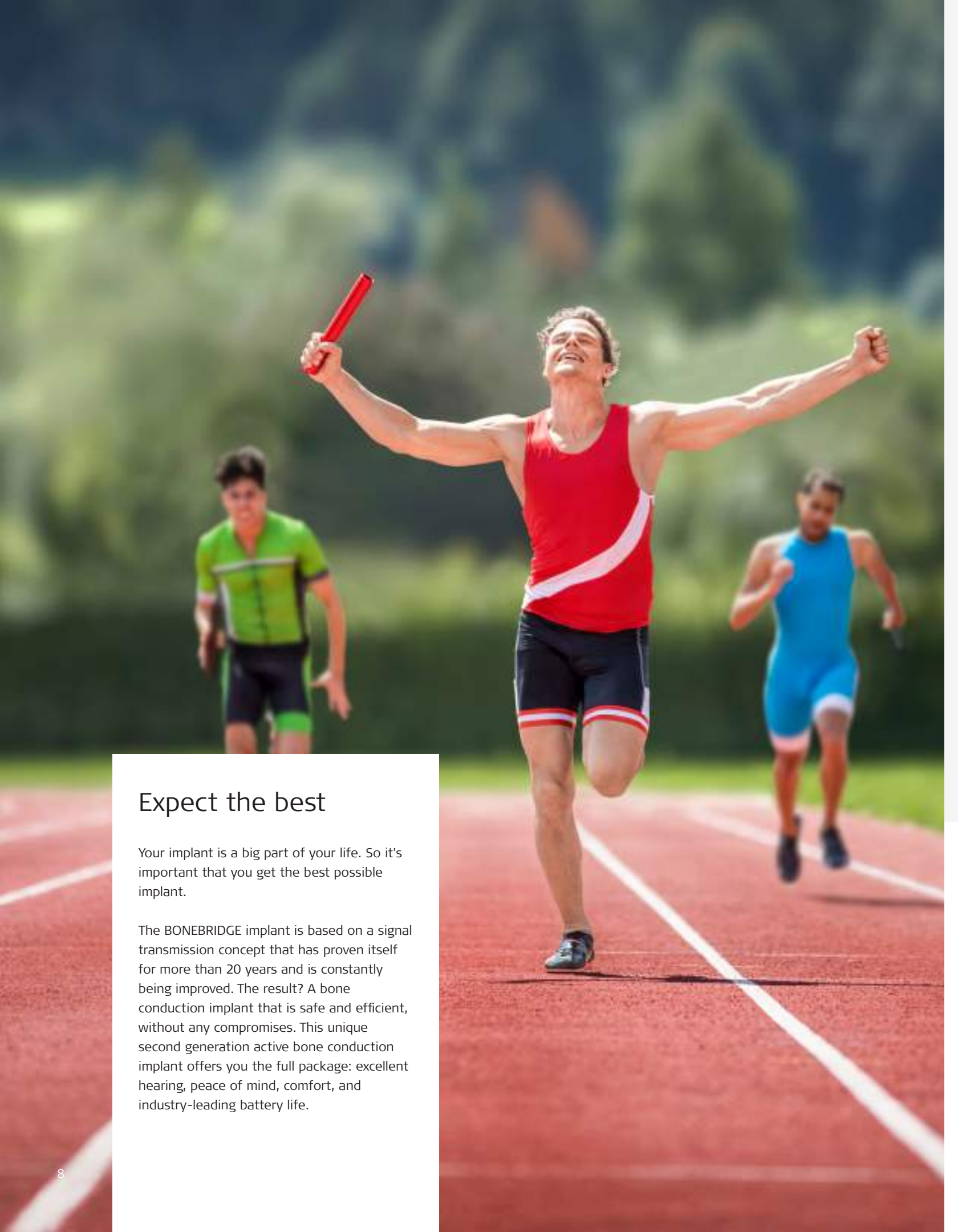
## Personalized

### Hear the way you want to

With the SAMBA 2 Remote app, you can manage your hearing experience from your phone. The app, available for iPhone and Android, helps you to switch between simple audio processor settings that have been defined by your audiologist, such as volume and program. This is great for on the go because you won't have to carry around a separate remote control.

The SAMBA 2 Remote app can be downloaded from your app store.





## Expect the best

Your implant is a big part of your life. So it's important that you get the best possible implant.

The BONEBRIDGE implant is based on a signal transmission concept that has proven itself for more than 20 years and is constantly being improved. The result? A bone conduction implant that is safe and efficient, without any compromises. This unique second generation active bone conduction implant offers you the full package: excellent hearing, peace of mind, comfort, and industry-leading battery life.

# The BONEBRIDGE Implant

The BONEBRIDGE implant is the most innovative active bone conduction implant available. Why? Because we've used our years of experience with the BCI 601 implant to develop BCI 602, a second-generation active transcutaneous bone conduction implant offering exceptional hearing performance and a simpler surgery. Its award-winning design allows it to be implanted quickly and easily, and it is built for long-term reliability. After all, you want to hear with BONEBRIDGE for many years to come.

**Flexible Transition**  
Surgeon can focus on best placement  
for audio processor while having  
flexibility for unique anatomies



# 98.6%

**BONEBRIDGE**  
Implant Reliability

Including impact!  
Cumulative Survival Rate  
for BCI 601 at 87 months<sup>2</sup>



## Excellent Hearing

The BONEBRIDGE implant generates the vibrations and transfers them directly to the bone.



## Healthy Skin

The thin, ergonomically-designed implant is placed fully under the skin, leaving no permanent wound.



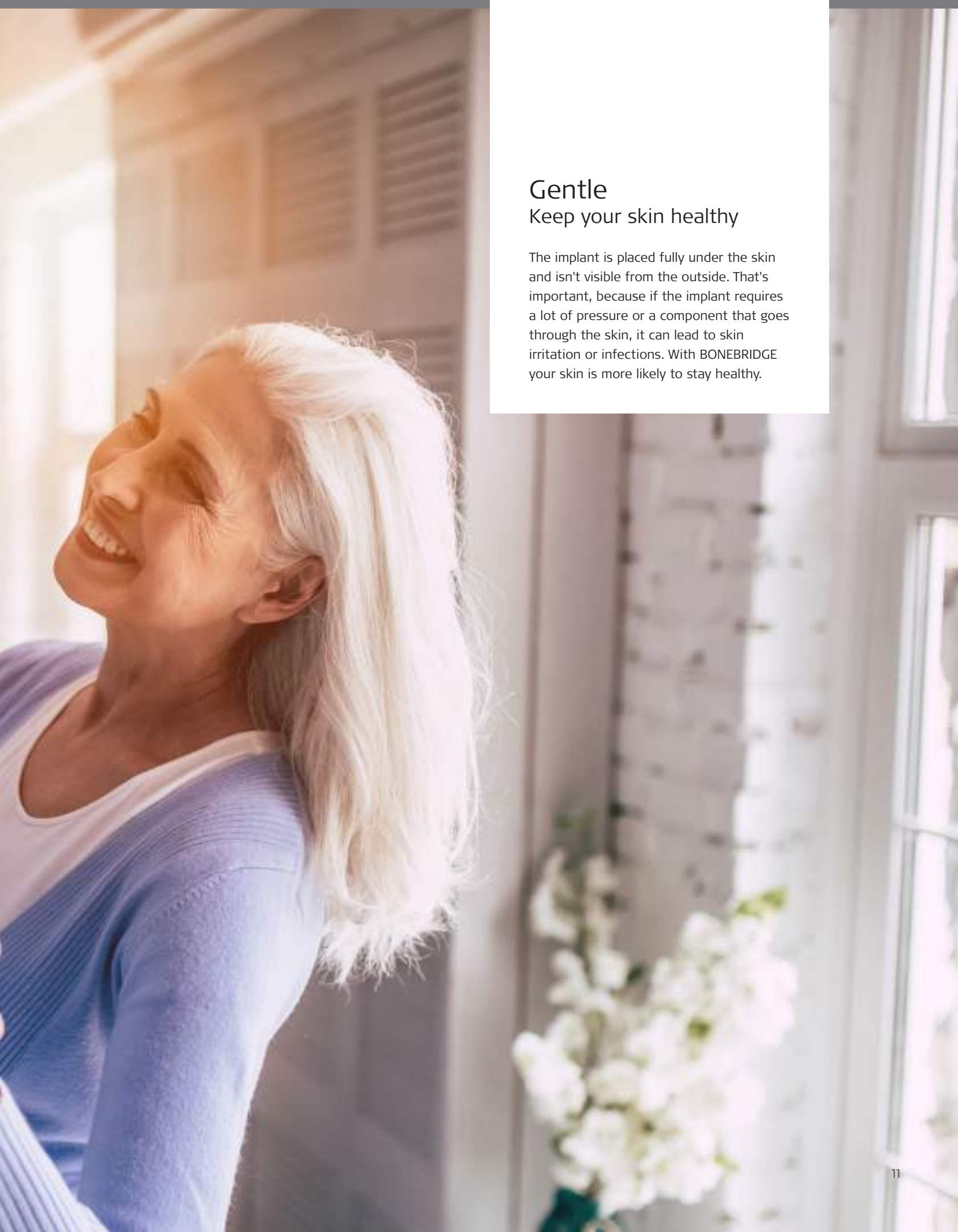
## MRI Safety

The implant's magnet has been specially designed to allow MRI scans at 1.5 Tesla.<sup>1</sup>

A close-up, profile view of an older man with grey hair and a beard, wearing glasses and a blue button-down shirt. He is looking down at his hands, which are clasped together. The background is a soft, out-of-focus indoor setting.

## Active Technology For excellent hearing

With active bone conduction technology, the implant generates the vibrations itself and transfers them to the bone. Because the vibrations are generated by the internal implant, and not the externally-worn audio processor, they don't have to pass through the hair or skin using a lot of pressure and aren't dampened before reaching the bone. For you, this means more comfortable hearing.

A photograph of an older woman with short, wavy white hair, smiling and looking out a window. She is wearing a light blue ribbed sweater over a white top. The background shows a window with white shutters and a vase of white flowers on a windowsill.

## Gentle

### Keep your skin healthy

The implant is placed fully under the skin and isn't visible from the outside. That's important, because if the implant requires a lot of pressure or a component that goes through the skin, it can lead to skin irritation or infections. With BONEBRIDGE your skin is more likely to stay healthy.



## Comfortable Hear for longer

Many components of the BONEBRIDGE system are integrated into the implant, meaning the audio processor you wear on your head can be kept small and light. This makes it more comfortable to wear, so you can enjoy your new hearing for longer each day.

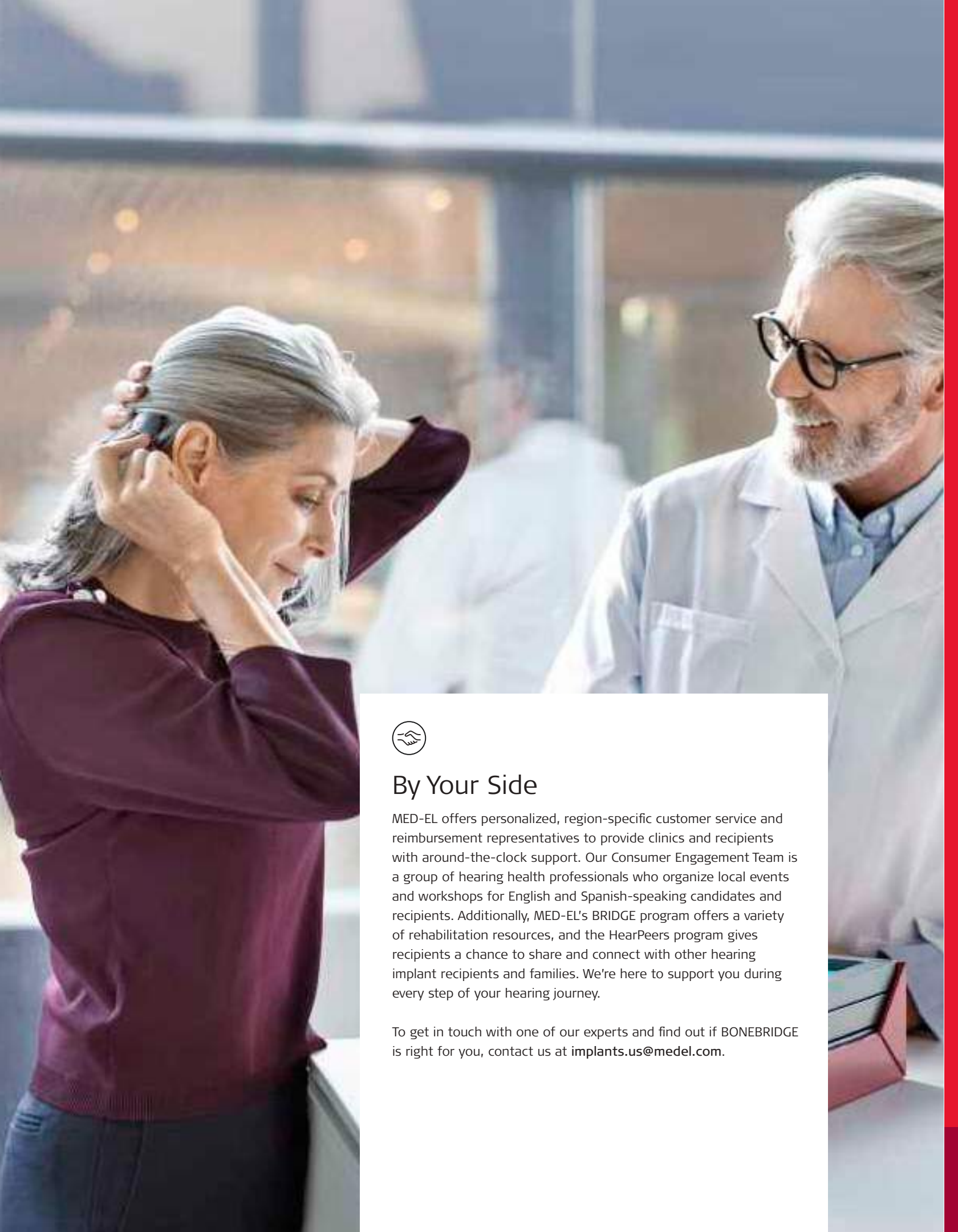


## Future-Ready Ready for anything

The BONEBRIDGE implant is built with easyMRI technology—that means you can undergo hassle-free MRI scans<sup>1</sup> and benefit from modern, diagnostic techniques without damaging your implant. And with a nearly 70% chance an individual will need an MRI in the next 10 years, that's a pretty important feature.<sup>3</sup>

- ✓ No surgery
- ✓ No discomfort
- ✓ No hearing downtime

BONEBRIDGE is also prepared for the future in other ways: The implant is designed to be compatible with future generations of audio processors. This allows you to enjoy the latest hearing technology, no matter how long you've had your implant.



## By Your Side

MED-EL offers personalized, region-specific customer service and reimbursement representatives to provide clinics and recipients with around-the-clock support. Our Consumer Engagement Team is a group of hearing health professionals who organize local events and workshops for English and Spanish-speaking candidates and recipients. Additionally, MED-EL's BRIDGE program offers a variety of rehabilitation resources, and the HearPeers program gives recipients a chance to share and connect with other hearing implant recipients and families. We're here to support you during every step of your hearing journey.

To get in touch with one of our experts and find out if BONEBRIDGE is right for you, contact us at [implants.us@medel.com](mailto:implants.us@medel.com).



Choosing BONEBRIDGE isn't just about trusting a product, it's also important to trust the company behind the product. MED-EL has been developing and producing pioneering products for more than 25 years, and with over 2,000 employees it is one of the world's leading companies in the field of innovative hearing solutions.

Our goal is to make each one of our users feel confident and taken care of. Our promise, to give you the best hearing we can, motivates us to continue researching and developing new products. When you choose MED-EL, you're choosing a reliable partner for life. That's our promise.

- 1 MRI Conditional at 1.5 Tesla. BONEBRIDGE recipients may be safely MRI scanned following the conditions detailed in the Instructions For Use of the BCI, found here: <https://www.medel.com/us/isi/>
- 2 Data on file with MED-EL.
- 3 Based on OECD data for USA, 2017. Probability of needing an MRI over a 10 year period is 69.11% for an individual living in the USA.

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