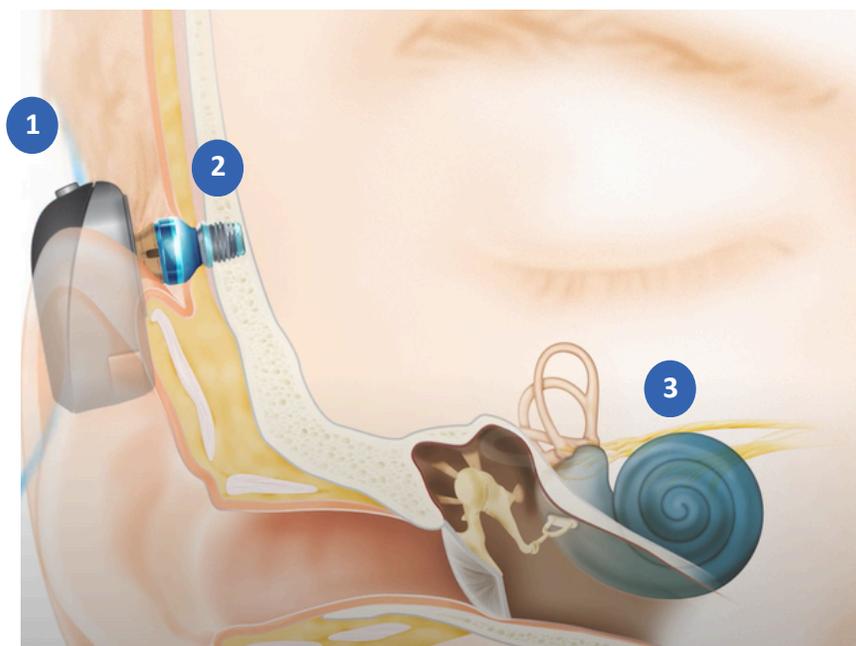


How do Bone Conduction Hearing Devices work?

Bone Conduction Hearing Devices (BCHD) help children who have damaged or missing parts of the outer or middle ear by sending vibrations through the bones and into the inner ear.



- 1 A sound processor picks up sound vibrations from the environment.
- 2 The sound vibrations are transferred through an abutment or a magnet to a small titanium implant in the bone behind the ear.
- 3 The sound vibrations are then sent directly through the bone to the inner ear (cochlea) where they are converted into electrical impulses that travel to the brain.

Bone Conduction Hearing Devices for Children

For children under five, an external sound processor rests on the child's head with a soft band and conducts sound through the bones in the skull.

