THE SEVEN DEGREES OF

Hearing is a very complex mechanism that involves all three parts of the human ear. A number of disorders and injuries can affect hearing in both children and adults, resulting in a certain degree of hearing loss. Very few symptoms are originally associated with the condition, and the individual suffering from hearing loss may originally unaware of the problem.

NORMAL HEARING

The severity of hearing loss is measured in decibels. People who have normal hearing can identify very quiet sounds of up to 15 decibels at all frequencies. They acquable of conducting a phone conversation without straining themselves. People with normal hearing can participate adequately in conversations, regardless of the level of background noise.

15⁰⁸ 16⁰⁸ → 25

Slight hearing loss is characterized by the inability to distinguish "soft" no range for this degree is 16 to 25 decibels.

Hearing loss in the range from 26 to 40 decibels. People that suffer from mild hearing loss will be incapable of participating in conversations in noisy places. High levels of background noise will interfere with their ability of distinguishing softer sounds.

The threshold for moderate hearing loss varies between 41 and 55 decibals. Hearing conversations in the presence of background noise will become a very challenging task. Those affected will also need to turn the TV or radio up, in order to hear the sound clearly. People suffering from moderate hearing loss will experience speech declicancies, and will find themselve capable of using solely limited vocabulary.

41^{DB} → 55

MODERATE SEVERE Moderately severe hearing loss falls in the range from 56 to 70 decibels. People fuffering from this degree of hearing loss will find it exceptionally challenging to participate in group conversations.

56⁰⁸ → 70

SEVERE ople suffering from severe hearing loss have problems distinguishing quieter unds in the range from 71 to 90 decibels. Normal conversations become inaudible, of shoulding is only partially distinguishable. People suffering from severe hearing is usually discriminate vowels, but are incapable of recognizing consonants. Sever arring loss calls for the use of hearing aids.

70 DB → 90

The threshold for profound hearing loss is 91 decibels and higher. Even amplipeech and the use of hearing aids will do very little to improve the situation, andividuals that suffer from profound hearing loss sense vibrations rather than listinguish the sound itself.

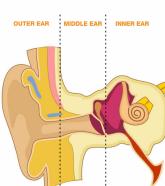
↑91[™]

ANACUSIS A final degree of hearing loss exists. This degree is called **anacusis**. **Anacusis** is defined as the total loss of hearing and the lack of any response to audio stimuli. Anacusis could be unilateral (present in just one of the ears) or bilateral, meaning that it affects both ears.

self-testing and an audiologic evaluation will be needed to identify the degree of hearing loss. Pure tone and speech setting are both used to identify the faintest tones that a patient is capable of hearing, thus coming to a conclusion about he degree of loss to which a person is suffering.

Hearing is one of the five senses. It is a Hearing is one of the five senses. It is a complex process of picking up sound and attaching meaning to it. The ability to hear is critical to understanding the world around us. The human ear is a fully developed part of our bodies at birth and responds to sounds that are very faint as well as sounds that are very loud. Even before birth, infants respond to sound.

SO, HOW WE HEAR? The ear can be divided into three parts leading up to the brain – **the outer ear, middle ear and the inner ear.**



OUTER EAR

he middle ear is a space ehind the eardrum that ontains three small bones alled ossicles. This chain of ny bones is connected to the ardrum at one end and to a pening to the inner ear at the ther end. Vibrations from the ardrum cause the ossicles to biste which, in turn, create novement of the fluid in the ner ear.

overner to the fluid in the ler ear, or occhlea, cause anges in tiny structures led hair cells. This overner of the hair cells not selectric signals from her ear up the auditory ne so known as the hearing rve) to the brain.

Symptoms of Hearing Loss







Frequently Asking People to Speak up or Repeat Themselves. Others Complain That the Volume of the TV, Radio, or Stereo is Too Loud.



Difficulty Hearing When Sound Sources Are Far from You Conversation, Especially in Group of People or a Crow (eg. an evening of playing cards, church, business meetings.









Turning One Ear Toward the Speaker to Hear Better.



Difficulty Hearing or Understanding Women or Young Children.



Feeling That People Mumble or Do Not Speak Clearly.





Social Withdrawal Due to Feelings of Anxiety and Tension.



