

How to Read an Audiogram

Audiogram with Speech Sounds Described



This is a picture of an audiogram with the speech sounds placed in the table at corresponding decibel and frequency levels. It shows the range for Normal Hearing and speech sound loss for Mild, Moderate, Severe and Profound.

On the left side is the decibel (db) range that measure loudness. From top to bottom the decibel range starts at -10 which is the softest sound and maxes out at 120 decibels which is the loudest sound.

From left to right is the frequency range, measured in hertz (hz). Starting at 125 hz which is the lowest frequency and maxes out at 8,000 which is the highest frequency.

Normal: hearing range is from 0 db to 25 db loss.

Mild hearing loss: ranges from 26 db to 40 db and includes the "th", "f", "s", and "k" sounds.

Moderate hearing loss: ranges from 41 db to 70 db and includes the "m", "d", "i", "a", "ph", "g", "n", "o", "r", "ch", "t", "ng", and "sh" sounds.

Severe hearing loss: ranges from 71 to 90 db.

Profound hearing loss: is at 91 db and beyond.

Actual Audiogram:

The Audiogram plots hearing loss for each ear.

The Left Ear is indicated by x's

The Right Ear is indicated by o's

Sounds are only heard below each plot point.

In this example, the following speech sounds may be difficult to hear and understand in spoken words, especially in noisy environments:

"ph", "g", "k", "ch", "sh", "t", "f", "s" and/or "th"

Talk to your Audiologist about details and implications of YOUR hearing loss!

