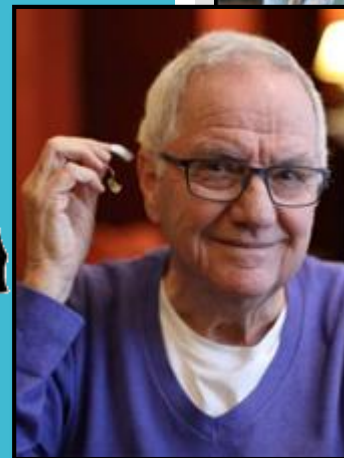
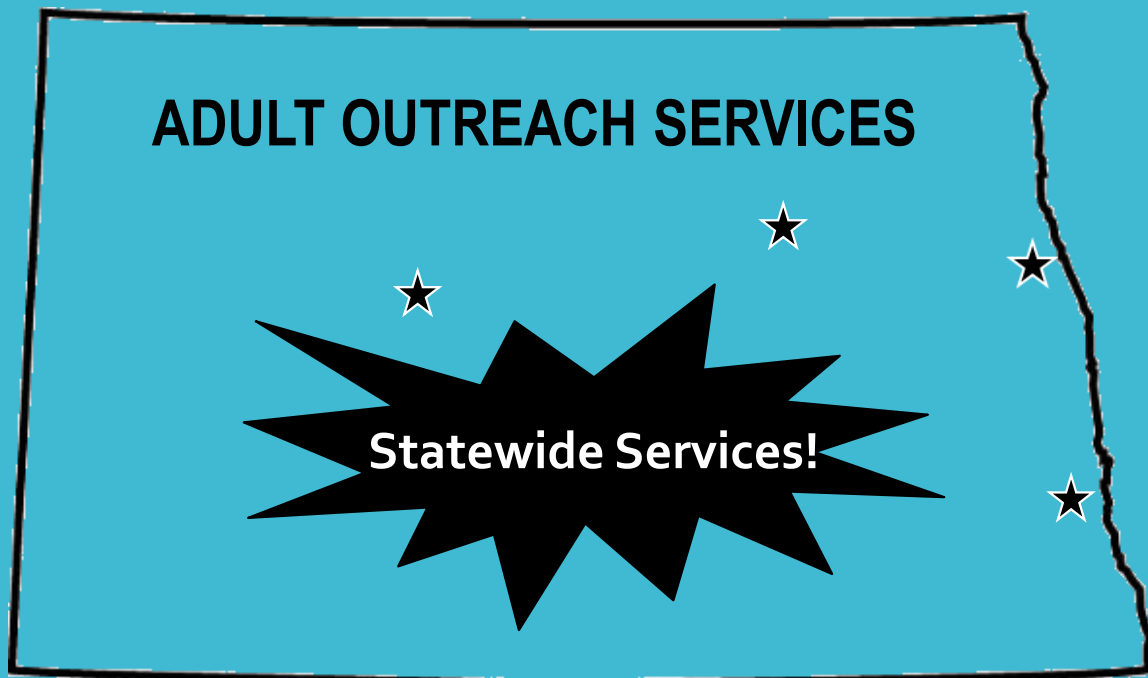


HEARING LOSS SERVICES IN NORTH DAKOTA



North Dakota School for the Deaf - Resource Center

AOS Adult Outreach Services

What we do...



Information and Consultation

AOS provides current information and resources on hearing loss.

Educational Presentations

AOS provides training sessions to increase the public's awareness of hearing loss, the availability of assistive technology devices, and the importance of access for people who are Deaf or Hard of Hearing.

***hospitals *clinics *law enforcement
*senior centers *lawyers *etc.**

Assistive Technology

AOS works in collaboration with various agencies and programs to evaluate needs, and access devices for the home or work environment.

Hearing loss is costly.

The cost for the first year of hearing loss treatment in older adults is projected to increase more than 500% from \$8 billion in 2002 to an **estimated \$51 billion in 2030**.

SOURCE: Journal of the American Geriatrics Society, 2010

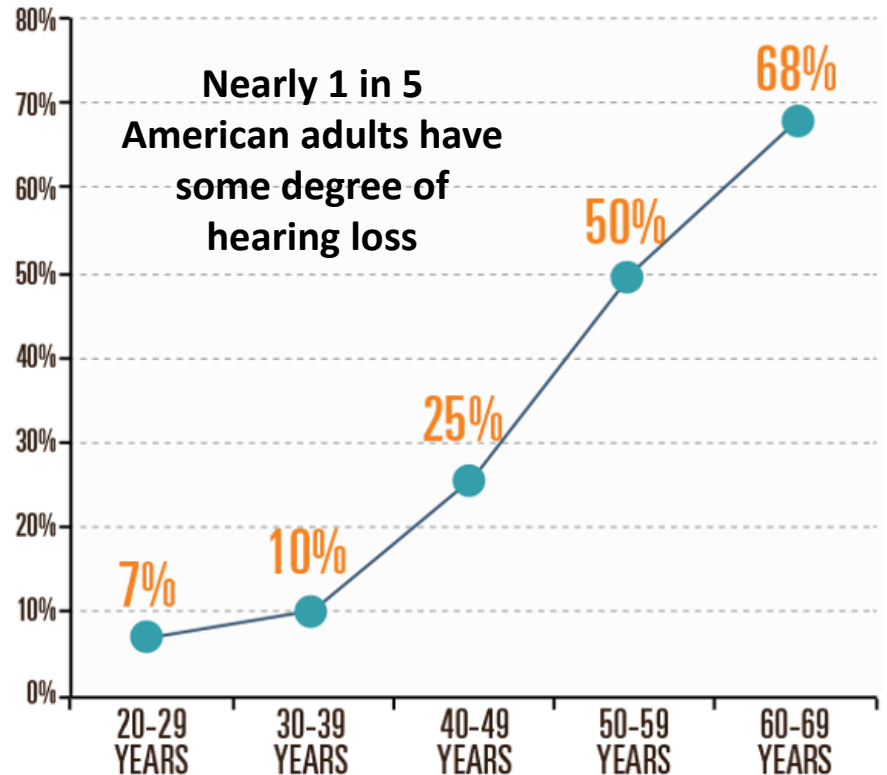
Hearing loss from loud noise can be prevented.

About 70% of people exposed to loud noise never or seldom wear hearing protection.

SOURCE: National Health and Nutrition Examination Survey, 2011-2012

People with hearing loss.

(Not able to hear high-pitched sounds)



SOURCE: National Health and Nutrition Examination Survey, 2011-2012

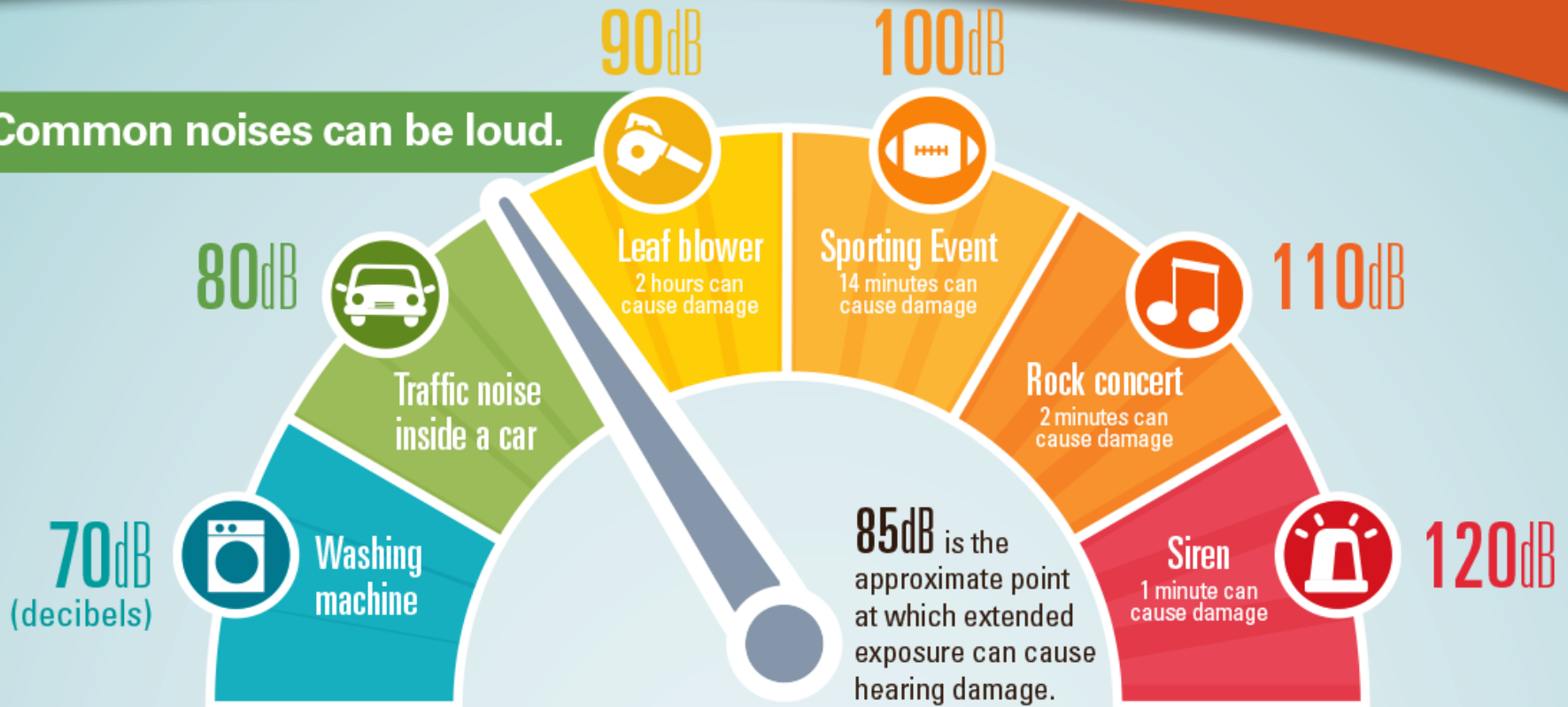
Hearing loss is an **INVISIBLE** condition; we cannot **see** hearing loss, only its effects.

Presbycusis, or age-related hearing loss, is usually slow but steady. The loss may be mild or severe. It is always permanent

When does hearing loss occur?

How hearing loss occurs.

Common noises can be loud.



12-gauge shotgun blast 160 decibels

In adults, the most **common causes** of hearing loss are **noise** and **aging**.

Audiogram

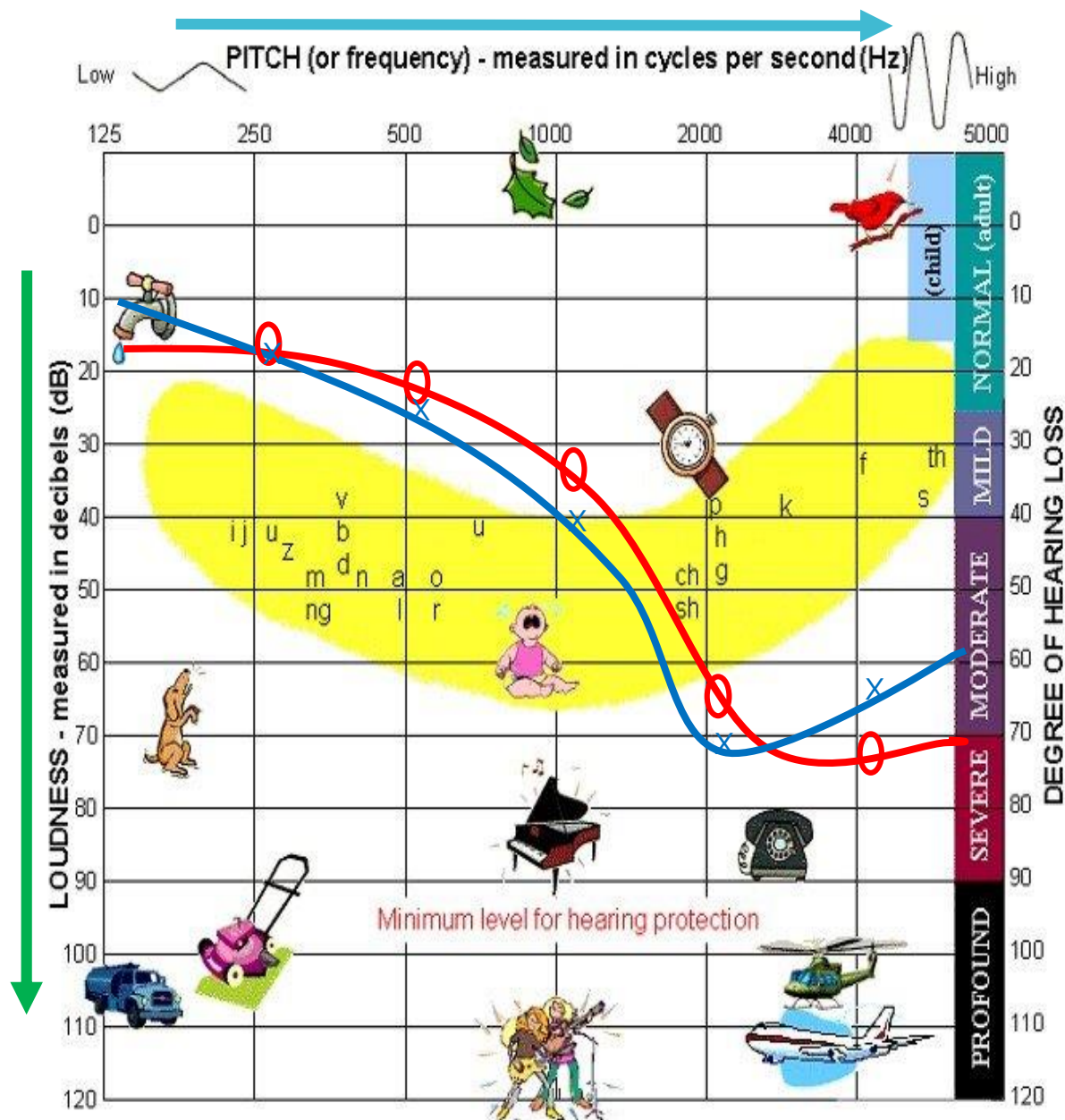
Vertical Axis

- Volume or Intensity [Decibels (dB)]
- Moving down the louder the sound

Horizontal Axis

- Frequency or Pitch [Hertz (Hz)]
- Increasing Pitch as you go left to right

X = left ear
O = right ear



Speech Banana: term used to describe the sound of human speech on the audiogram.
“Why can I hear but not understand?”

Hearing Aids

Hearing Aids: They range in appearance, size, and power; from tiny ones that fit completely in the ear canal, to ones that are placed behind the ear, delivering sound into the ear canal via tubing and an ear mold.

★ **Go to an Audiologist or ENT first**

OTC Hearing Aids: What do you need to know?



http://entdr.com/hearing_aids.html



Hearing aids will **NOT** correct hearing the way glasses correct vision. **Don't expect** "20/20" hearing!

Cochlear Implants

Cochlear Implant: an electronic medical device that replaces the function of the damaged inner ear. Unlike hearing aids, which make sounds louder, cochlear implants do the work of damaged parts of the inner ear (cochlea) to provide sound signals to the brain, however ***they do not replace normal hearing.***

Cochlear implants can help people who:

- have severe to profound hearing loss in both ears
- have profound hearing loss in one ear with normal hearing in the other ear
- receive little or no benefit from hearing aids
- score 65% or less on sentence recognition tests done by hearing professional in the ear to be implanted



What can we do?

Assistive Devices

- Pocket Talker
- Comfort Duett
- FM Systems
- Amplified Phones/Cell Phones
- Ipad & Apps
- Video Callers
- Etc...



www.listentech.com

This is where the magic happens!



FM
Systems



Pocket
Talker



Ipad/Apps/Smart
Phones



Caption
Phone



Amplified
Phone



Video
Caller

Programs & Services Available for Older Adults in ND



Telecommunications Equipment Distribution Services

Making and receiving a phone call should be an enjoyable experience for everyone, yet sometimes a disability can get in the way. The North Dakota TEDS helps by providing equipment to those who have difficulty using a traditional telephone.

Senior Safety Program

Eligible residents are provided with free assistive devices that will help make daily life easier, making it safer to live at home.

iCanConnect – North Dakota

This nationwide initiative ensures that people of low income who have combined vision and hearing loss can access the telecommunications technology necessary to connect with family, friends and the community.

<http://ndassistive.org/>

1-800-895-4728

Visor Cards


I AM DEAF OR HARD OF HEARING

This card is for law enforcement officers and others to help with communication.


Quick Communication tips:

- Get my attention first
- Maintain eye contact with me while speaking
- Speak clearly and a little more slowly
- A hearing aid or cochlear implant does not allow me to understand everything
- Shining a flashlight in my face will make it hard for me to understand you


BEST WAY TO COMMUNICATE WITH ME




Write




Assistive Device



Text



Interpreter



No Lip-read

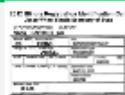


Lip-read


INFORMATION NEEDED



Driver's License



Registration





Insurance




MUST REPORT GUN IN CAR!


HELP NEEDED















COMMUNICATION SIGNS


Please point to the picture that explains why I was stopped.


VIOLATIONS/WHAT IS WRONG


























WHAT HAPPENS NEXT




WARNING









If I am arrested or need to come in for questioning, I may need:

- A qualified sign language interpreter
- CART (Communication Access Realtime Translation)

In order for me to make a phone call, I may need some type of assistive technology. Please ask me what I need.



Created with collaboration between NDSD/RCDHH Adult Outreach Services and the North Dakota Peace Officers Association



For more
information:



**ND School for the Deaf/
Resource Center for
Deaf & Hard of Hearing**
1401 College Drive N.
Devil's Lake, ND 58301
Phone: 701-665-4400
Web: www.nd.gov/ndsd/

Devils Lake

Kathy Frelich, *Adult Outreach Specialist*

Office: 701-665-4416

Email: kathy.frelich@k12.nd.us

Fargo

Dawn Sauvageau, *Adult Outreach Specialist*

Phone: 701-351-0207

Email: dawn.sauvageau@k12.nd.us

Grand Forks

Kristen Vetter, *Adult Outreach Coordinator*

Office: 701-230-8701

Email: kristen.vetter@k12.nd.us

Turtle Lake

Karen Zinke, *Adult Outreach Specialist*

Office: 701-516-2464

Email: karen.zinke@k12.nd.us

Questions

