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- **Deaf and Hard of Hearing Services**
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Division

Deaf and Hard of Hearing:

Supporting Self-Sufficiency and Quality of Life

**Minnesota Department
of Human Services**



Demographics

- Hearing loss is one of the most chronic conditions in the U.S.
 - An estimated 34 million Americans have some type of hearing loss.
 - Numbers projected to increase 2010-2030.
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Demographics

- **50% of seniors over the age of 75 have a hearing loss**
 - **33% of seniors between the ages of 65 and 75 have a hearing loss**
 - **10% the general population has a hearing loss.**
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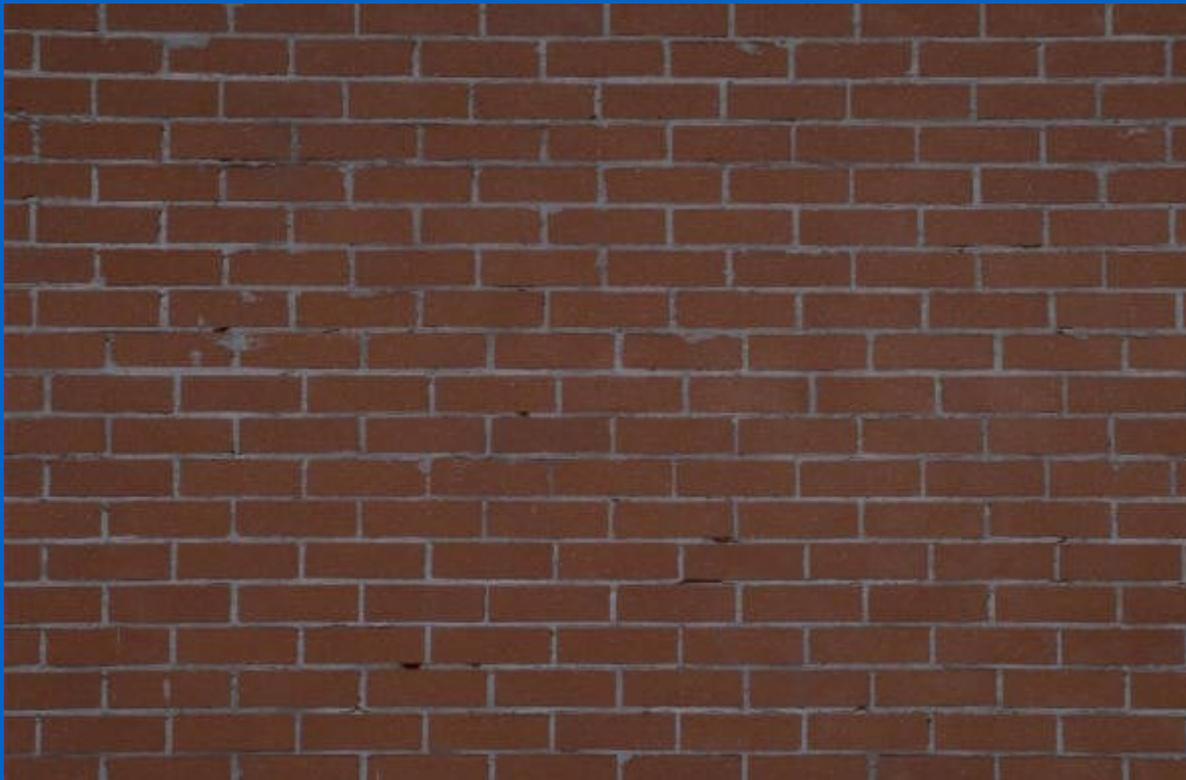
Possible Consequences of Untreated Hearing Loss

- Loss of independence
 - Increased worry and anxiety
 - Less social activity
 - Increased depression and paranoia
 - Increased risk of dementia (pseudo)
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Impact of Life and Functioning

ISOLATION AND LONLINESS



Impact of Life and Functioning

ALIENATION OF FRIENDS AND FAMILY

- Denial of hearing loss
- Not realizing the impact of hearing loss on family members and others
- Ease of communication is no longer the norm



Impact of Life and Functioning

MISSES VITAL INFORMATION

- One-on-one conversations
- Small groups
- Large groups
- Television and radio
- Calls for help



Hearing Aids

- An electronic device
- Collects sounds from the environment, amplifies the sound, and directs the amplified sound into the ear
- Person must have some ability to hear for the hearing aids to work



Behind-the-Ear (BTE)



In-the-Ear (ITE)



In-the-Canal (ITC)



Completely-in-the-Canal (CIC)

Hearing Aids



- Tend to cost more as they shrink in size.
- Price is dependent on the style, circuitry, and any special features.
- Typically range in price from about \$900 to \$3000 or more per ear.

Assistive Listening Devices (ALDs)

- Assistive listening devices (ALDs) are electronic devices used either along with hearing aids or instead of hearing aids.



Assistive Listening Devices (ALDs)

- Personal Amplifiers
(\$125 - \$180)



PockeTalker



Sound Wizard



SounDirector

Assistive Listening Devices (ALDs)

- FM Systems
(\$550 - \$1800)



One Person



Multiple Users

Assistive Listening Devices (ALDs)

- Infra-Red
(\$100 - \$230)



Stethoscope



Headphone



Lavalier

Assistive Listening Devices (ALDs)

- Listening Options
(\$15 - \$18)



Deluxe Folding
Headphones



Lightweight
Headphones



Mini Earphones
(also dual)

Assistive Listening Devices (ALDs)

- Listening Options (\$15 - \$22)



Surround Earphone



Wide Range Earphone



Mini Earphones with Eartip (also dual)

Assistive Listening Devices (ALDs)

- Listening Options (\$49 - \$75)



Neckloop Telecoil
Coupler*



Silhouette Telecoil
Coupler (also dual)*

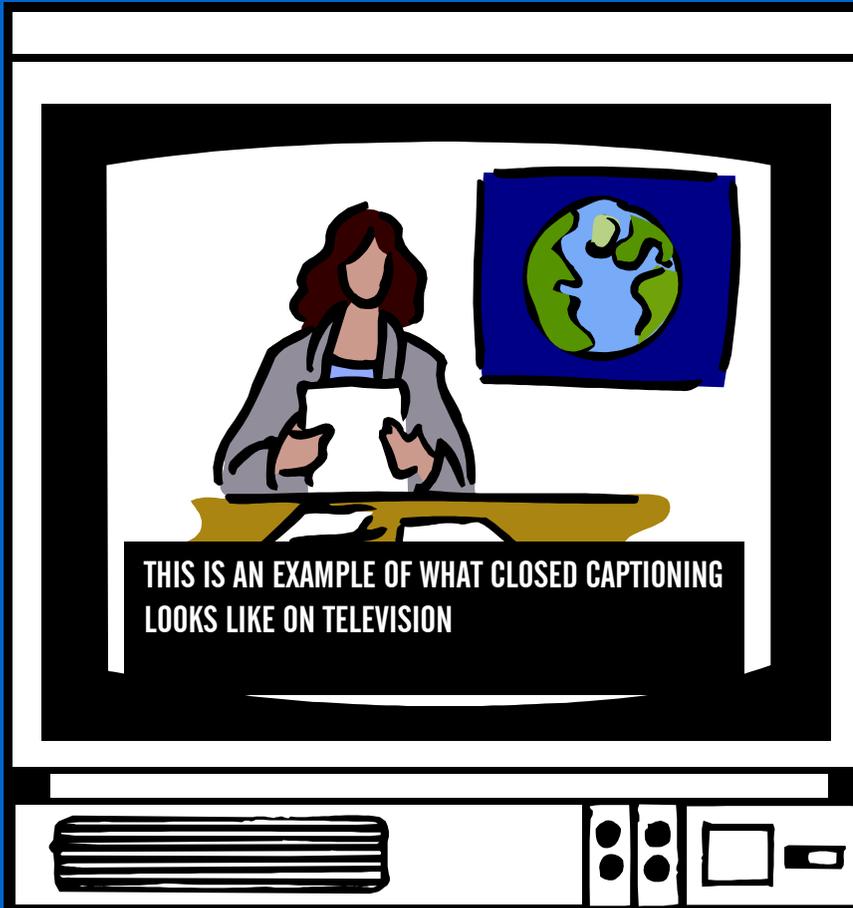
*For use with hearing aids
equipped with a telecoil.

Personal Pagers (\$45)

- No monthly fees
- Range is about 100 feet
- Audio or vibrating modes



Closed Captioning



- Built-in decoder chip automatically a part of all televisions since July 1993
- Access through the menu on the TV
 - Captioning on/off
 - or
 - CC1

Impact of Life and Functioning

CANNOT HEAR ENVIRONMENTAL SOUNDS



- Doorbell
- Alarm Clock
- Smoke Detector
- Telephone

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Doorbells (\$30 - \$65)



Light and/or
Vibrations



Door Knocker
with Strobe Light



Amplified Sound
and Strobe Light



Amplified Sound

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Alarm Clocks (\$25 - \$70)



Flashing Lamp,
Vibrations and/or
Amplified Sound



Timer/Reminder



Bed/pillow Shaker

Portable Vibrating
Alarm Clock



Smoke Detectors (\$160 - \$285)



Plug-in



Hard-wired



Smoke Detector System

All-in-one Alerting Systems (\$190 - \$380)



Alertmaster



Silent Call



Sonic Alert

Home Modification Checklist



Minnesota Department of Human Services • Deaf and Hard of Hearing Services Division

Hearing Loss – Home Modification Checklist

The goal of the *Home Modification Checklist* is to provide those with a hearing loss, their caregivers, family members or other interested persons an easy way to assess the home environment for problem areas. Once the problem areas are identified, solutions are suggested to help the person with a hearing loss feel safe and independent in their home.

For more information or further assistance, contact your local Deaf and Hard of Hearing Services (DHHS) office. See page 8 for phone numbers of DHHS offices.

DOES THE PERSON WITH HEARING LOSS HAVE	CIRCLE ONE		IF YES,
Difficulty hearing the doorbell or knocking at the door?	Yes	No	Go to page 2
Difficulty hearing the smoke detector?	Yes	No	Go to page 2
Difficulty hearing the carbon?	Yes	No	Go to page 3

Home Modification Checklist

For a copy of the Home Modification Checklist, contact your local Deaf and Hard of Hearing Services office.

Or you may go to Deaf and Hard of Hearing Services Division at:
www.dhhsd.org and print your own copy of the checklist.

Contacting DHHS Offices

DHHS – Northeast

Virginia

218/748-2253 (VOICE)

218/748-2252 (TTY)

dhhs.virginia@state.mn.us

DHHS – Northeast

Duluth

888/234-1322 (VOICE)

888/723-3344 (TTY)

dhhs.duluth@state.mn.us

DHHS – Upper Northwest

Bemidji

888/663-8329 (VOICE/TTY)

dhhs.bemidji@state.mn.us

DHHS – Northwest

Fergus Falls

800/456-7589 (VOICE/TTY)

dhhs.fergusfalls@state.mn.us

DHHS – East & West Central

St. Cloud

800/456-3690 (VOICE/TTY)

dhhs.stcloud@state.mn.us

DHHS - Metro

St. Paul

651/297-1316 (VOICE)

888/206-6513 (TTY)

dhhs.metro@state.mn.us

DHHS - Southeast

Rochester

800/311-1148 (VOICE/TTY)

dhhs.rochester@state.mn.us

DHHS - Southwest

Mankato

507/389-1626 (VOICE)

507/389-1689 (TTY)

dhhs.mankato@state.mn.us



Telephone Equipment Distribution (TED) Program



A program of the
Department of Human Services
Deaf and Hard of Hearing Services Division
Administered by the Department of Commerce
Telecommunication Access Minnesota



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What does the TED Program do?

Loans specialized telephone equipment to
eligible Minnesotans
on long-term basis
at no cost

What does the TED Program do?

The program also provides follow-up services,
such as:

- Replacement equipment
- Different equipment for changing needs
- Information and referral



Who is eligible?

People who....

- Have hearing loss, speech difficulty and/or physical disability
- Are Minnesota residents
- Have telephone service
- Meet the income guidelines



What are the income guidelines?

Number in Family	Annual Gross Income
1	\$39,901
2	\$52,178
3	\$64,456
4	\$76,733

Income guidelines are adjusted annually.

Those listed above are effective

October 1, 2005 - September 30, 2006.

Telephones

Amplified



for people who are hard of hearing

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Telephones

Voice-carry-over (VCO)



for people who are deaf
but have understandable speech

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Telephones

TTY (also called TDD)



for people who are deaf
and/or have speech difficulties

Telephones



Special equipment for people with
hearing and vision loss

How to apply for the TED Program

To receive an application,

- call 1-800-657-3663

TTY users call 1-888-206-6555

or

- write to: TED Program

Lafayette Road N.

St. Paul MN 55155-3814

or

- download from our website: www.tedprogram.org

or

- request one via e-mail: ted.program@state.mn.us

For More Information

DHHS – Northeast

Virginia
218/748-2253 (VOICE)
218/748-2252 (TTY)
dhhs.virginia@state.mn.us

DHHS – Northeast

Duluth
888/234-1322 (VOICE)
888/723-3344 (TTY)
dhhs.duluth@state.mn.us

DHHS – Upper Northwest

Bemidji
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dhhs.bemidji@state.mn.us

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Fergus Falls
800/456-7589 (VOICE/TTY)
dhhs.fergusfalls@state.mn.us

DHHS – East & West Central

St. Cloud
800/456-3690 (VOICE/TTY)
dhhs.stcloud@state.mn.us

DHHS - Metro

St. Paul
651/297-1316 (VOICE)
888/206-6513 (TTY)
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dhhs.rochester@state.mn.us

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507/389-1689 (TTY)
dhhs.mankato@state.mn.us

For More Information

www.dhhsd.org

www.tedprogram.org

www.interpreterreferral.org

www.deafblindinfo.org

