

HEARING LOOP SYSTEMS in an AIRPORT ENVIRONMENT

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FIVE FACTS on HEARING LOSS * ---

- 20% Americans
- 30% 65 and older
- 50% 75 and older
- 20 % teens
- 3rd most common

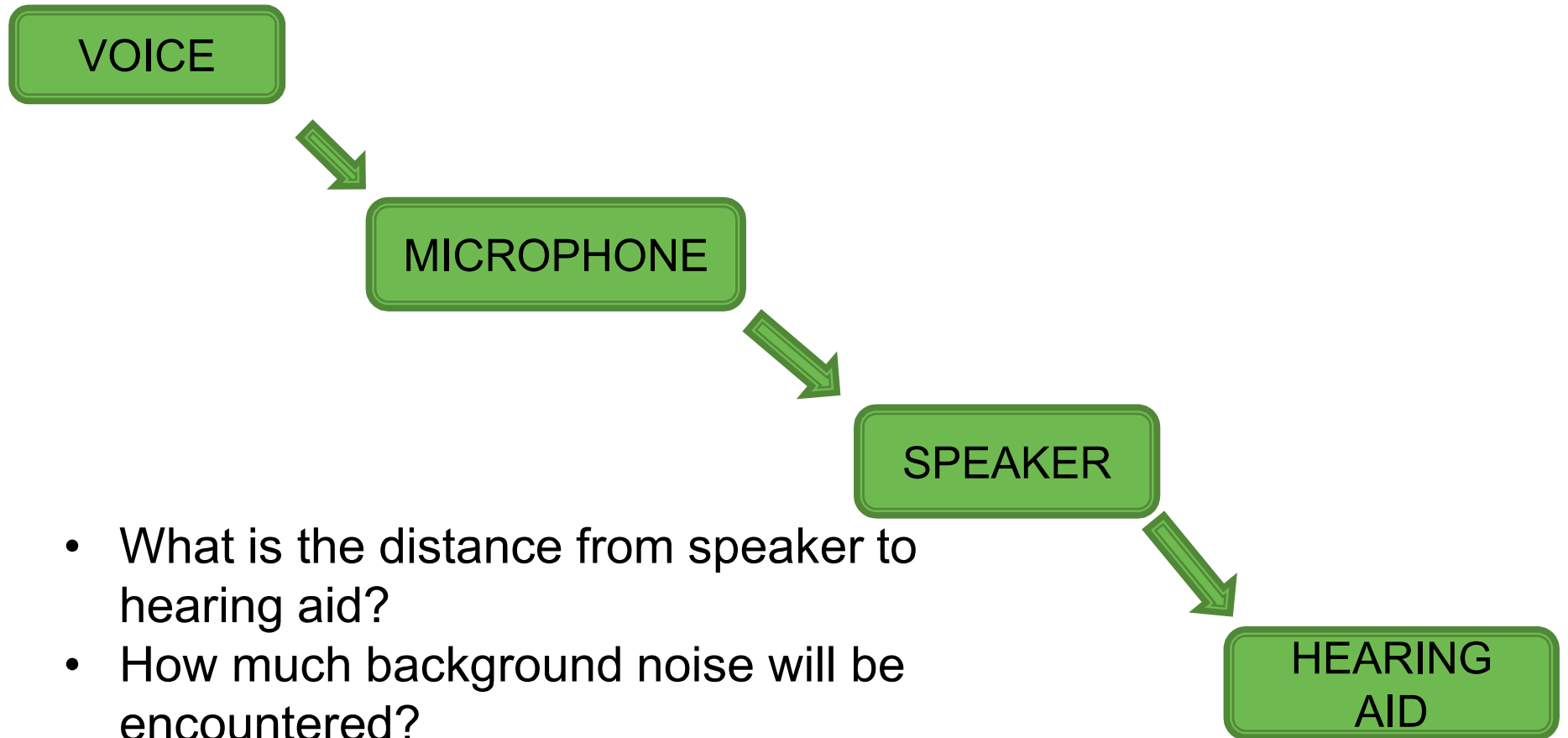
Estimated that 100% affected by hearing loss

- * Source is Hearing Loss Association of America

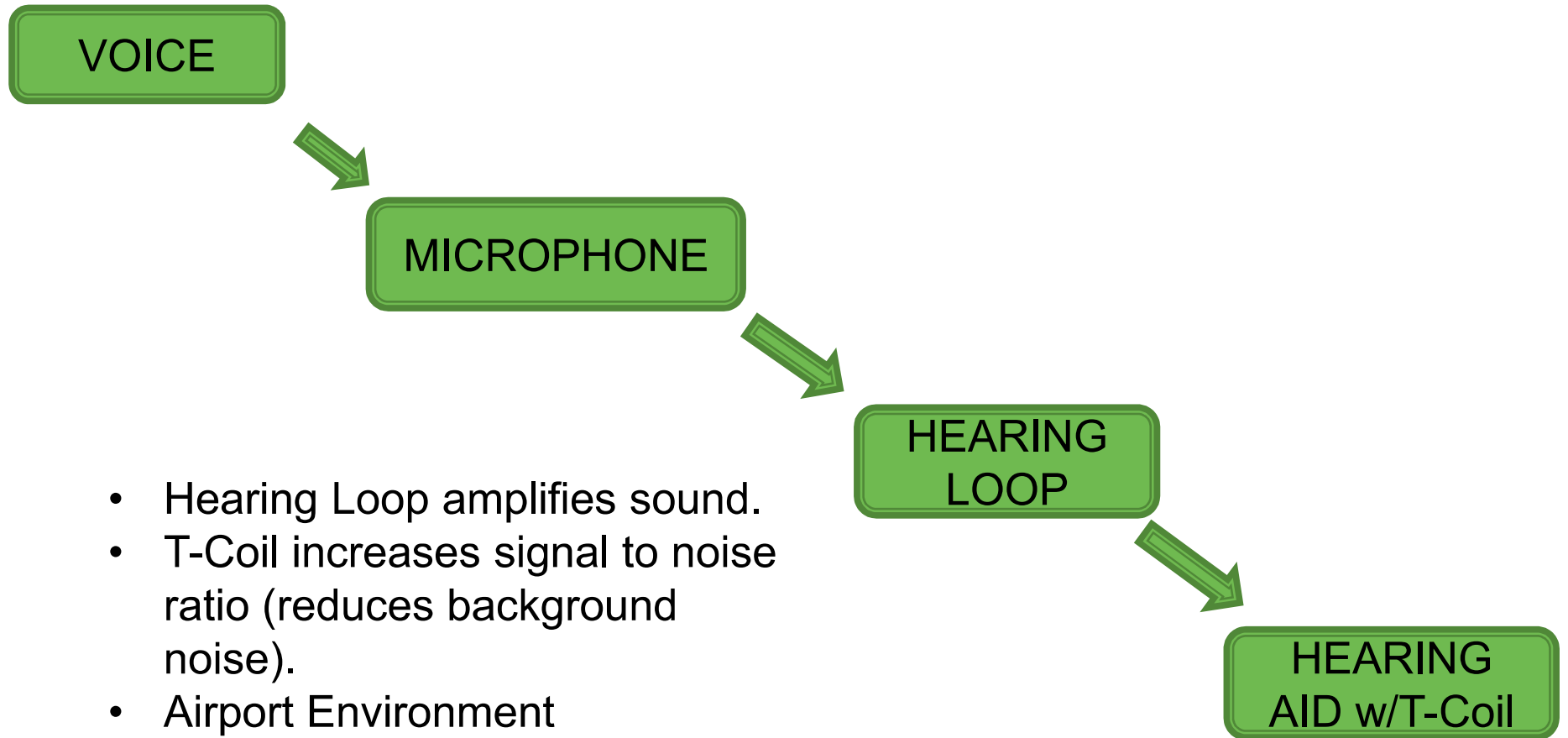
HEARING DEVICE PERFORMANCE

- ▶ Limited effective range : 6 – 10 feet
- ▶ Make speech louder – do not correct speech understanding difficulties
- ▶ May have difficulty separating speech from background noise

TYPICAL HEARING DEVICE PROCESS



T-Coil HEARING DEVICE PROCESS



AIRPORT ACOUSTICS

- High Ceilings +
- Hard Surfaces +
- Open Space =
- Background Noises



AIRPORT NOISE



PA System

Flight Announcements

People Talking

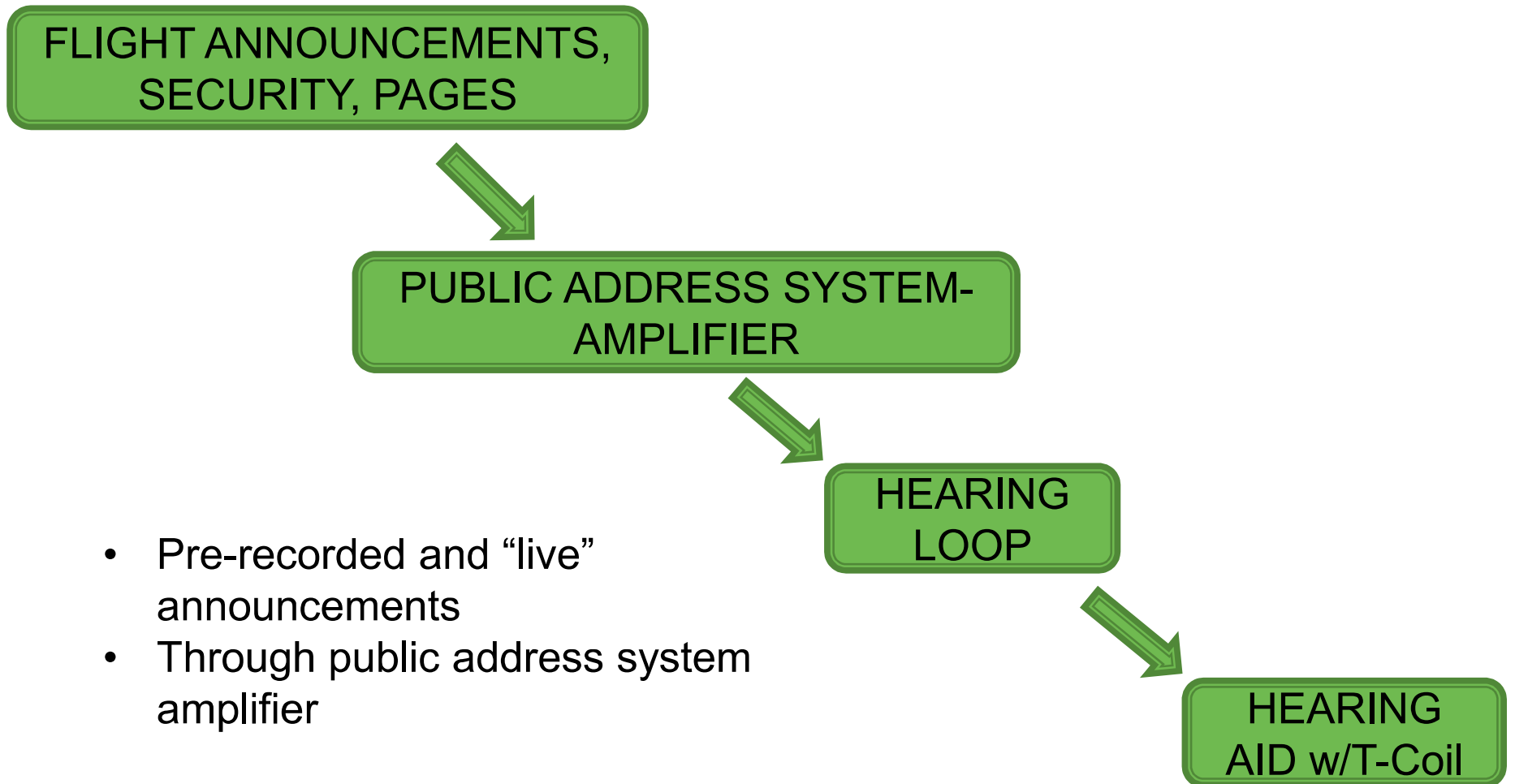
Children Playing

Luggage Wheels

Ringling Phones

Courtesy Carts

PRIORITY ANNOUNCEMENTS

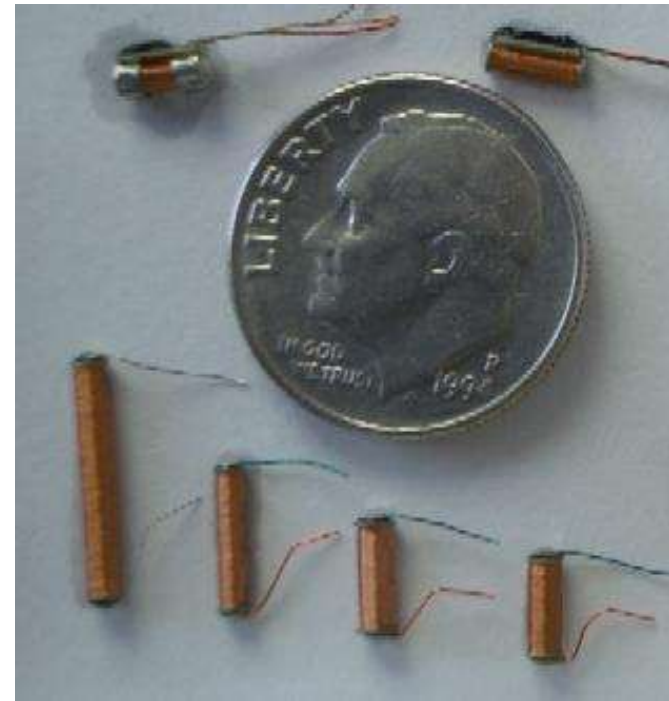


- Pre-recorded and “live” announcements
- Through public address system amplifier

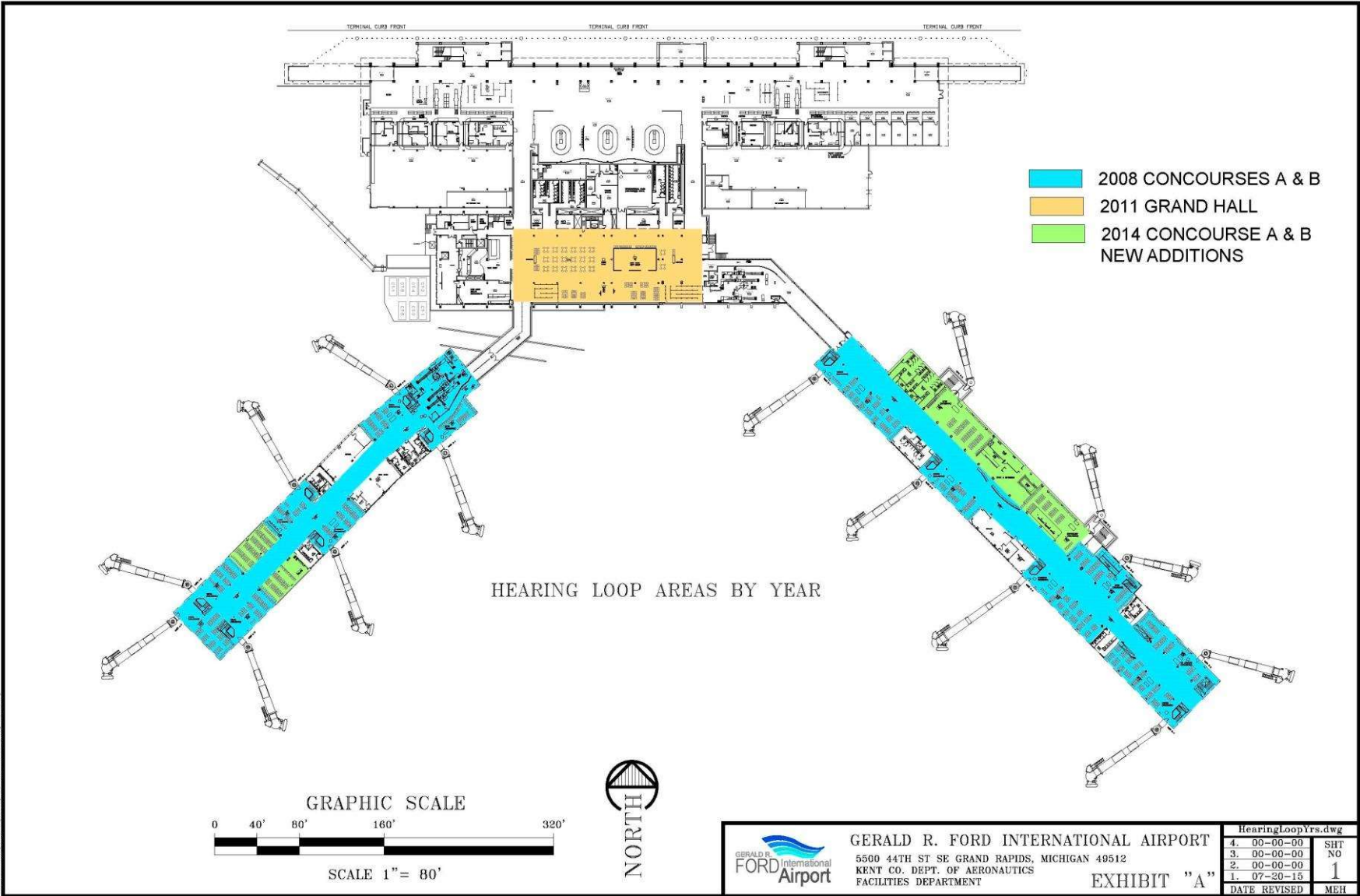
HEARING AID WITH TELECOIL (T-coil)

T-coil needs to be:

- Manual type
- Vertical orientation
- Properly programmed
- User training



GRR INSTALLATION PHASES



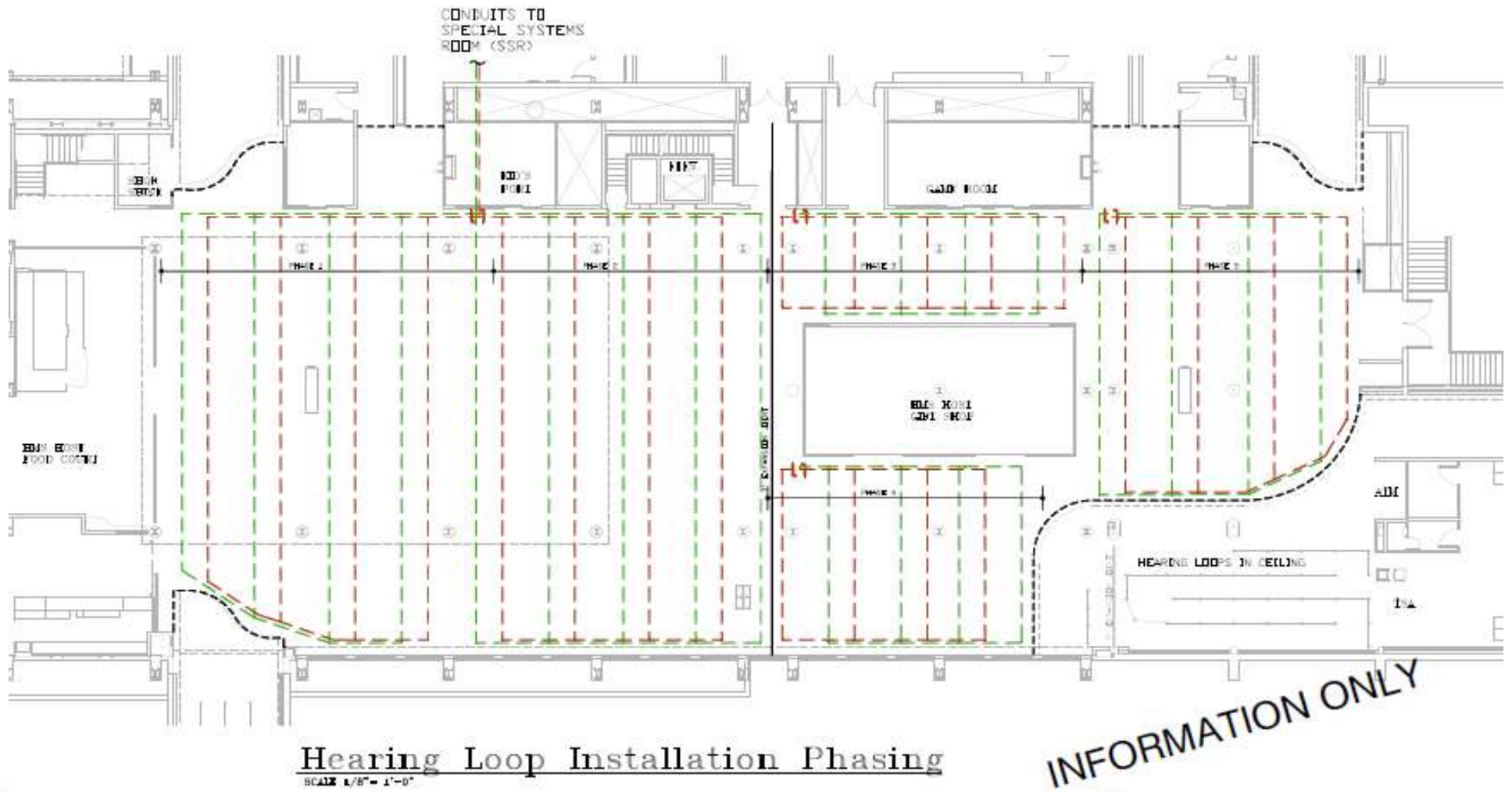
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BELOW FLOOR INSTALLATION



TYPICAL LAYOUT

8' – 10' Spacing



INSTALLATION COSTS

- ▶ Phase I – 2008 - \$3.18/s.f.
 - Installed above ceiling
 - Approx. 43,000 s.f.
- ▶ Phase II – 2011 - \$7.72/s.f.
 - Installed prior to carpet replacement
 - Saw cut concrete floor; epoxy filler
 - Night work
 - Approx. 14,200 s.f.
- ▶ Phase III – 2014 - \$2.74/s.f.
 - Installed above ceiling
 - Approx. 12,000 s.f.

“GET THE WORD OUT”

Signs

Newsletter

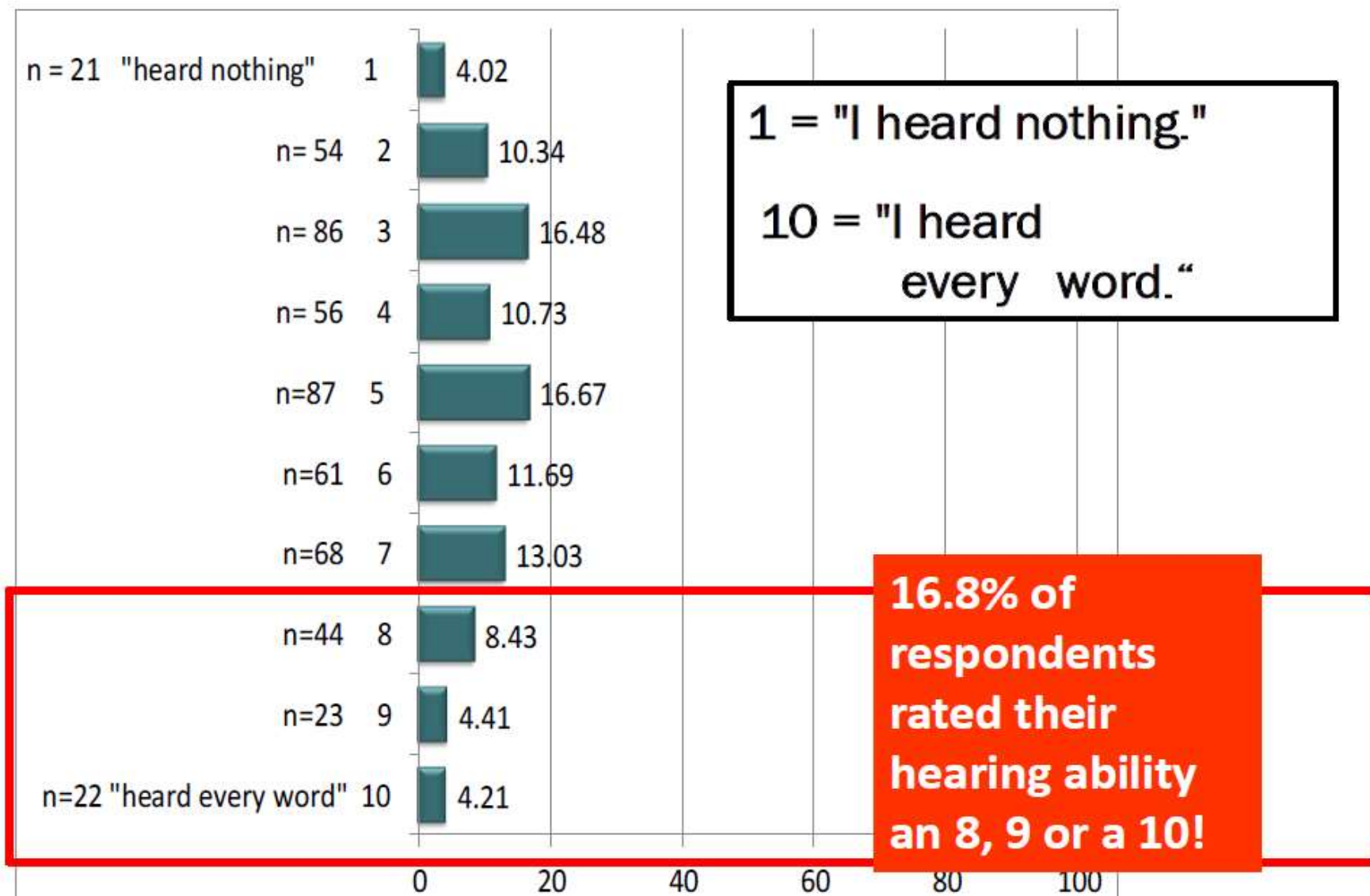
News Release

Ford International Announces New Hearing Loop System

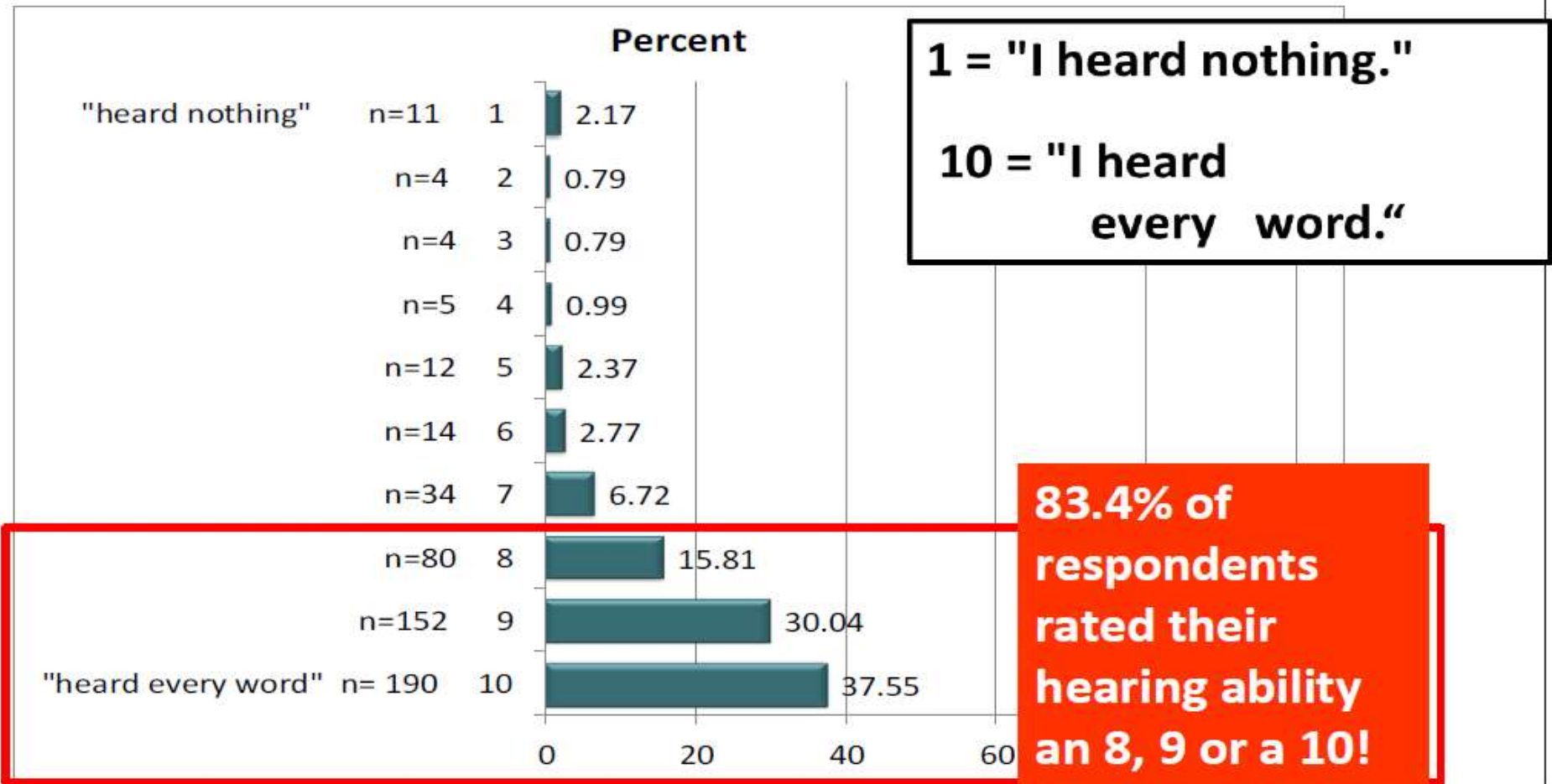
Facility becomes the only U.S. airport to offer assistive listening system



How well did you hear in the venue using your hearing devices only (not using a telecoil)? n=522



How well did you hear in venue using your hearing aids/CIs in the hearing loop (using telecoil or loop listener) n=506



T-COIL USE IS GROWING

- ▶ All cochlear implants today have T-coils
- ▶ 70% of new hearing aids – that number is rising
- ▶ Hearing Loss Association of America report that 84% of members have T-coils
- ▶ The increase in the use of T-coils will drive the demand for hearing loop systems



Thank You!

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