

Noise and Hearing Conservation

May 2023

Housekeeping



Muster Point

Presenter & Introductions



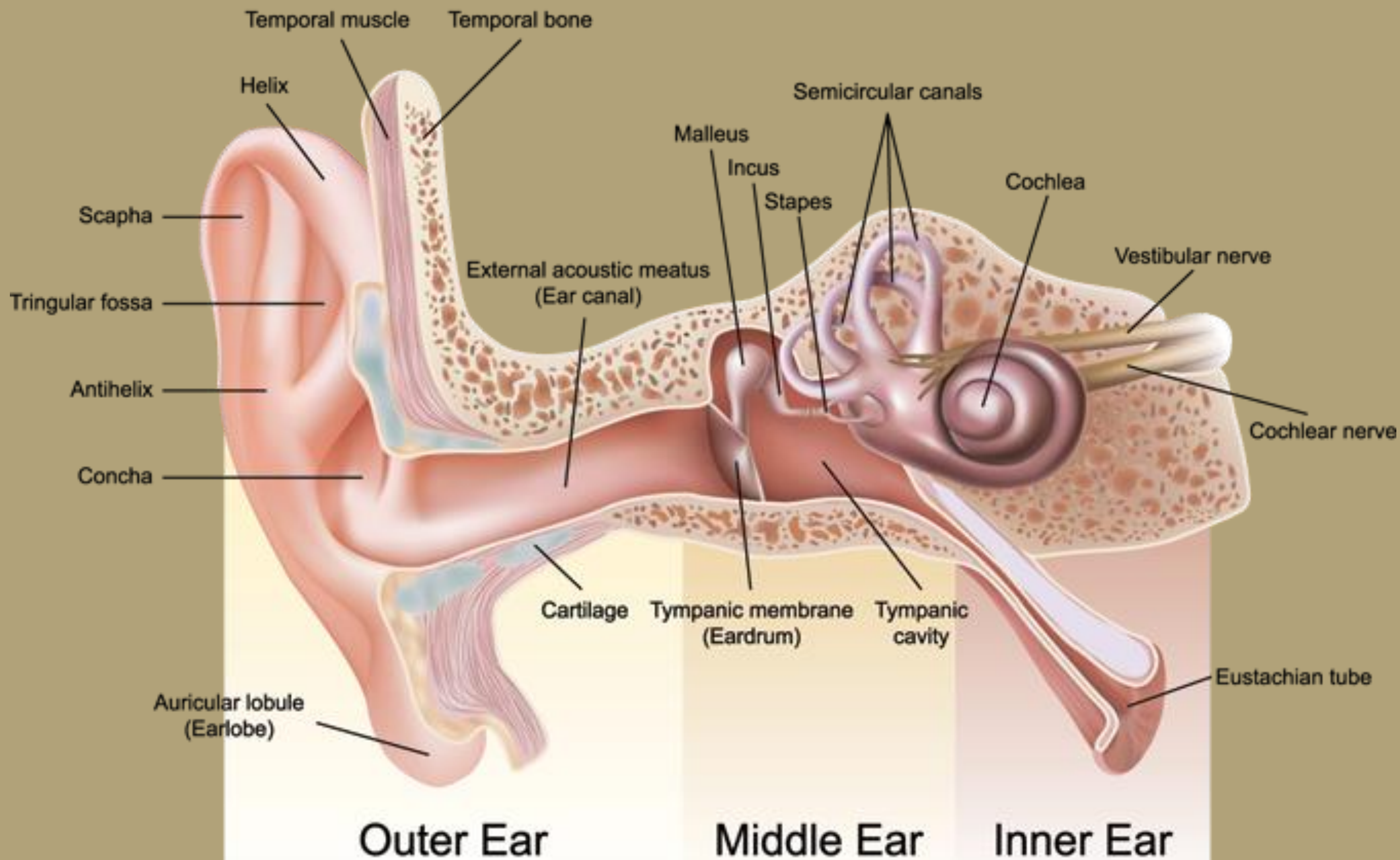
Safety begins with me!

Why am I here?



You are the KEY to SAFETY!

The Human Ear



Hearing Physiology – Think About It



Noise And Its Effects



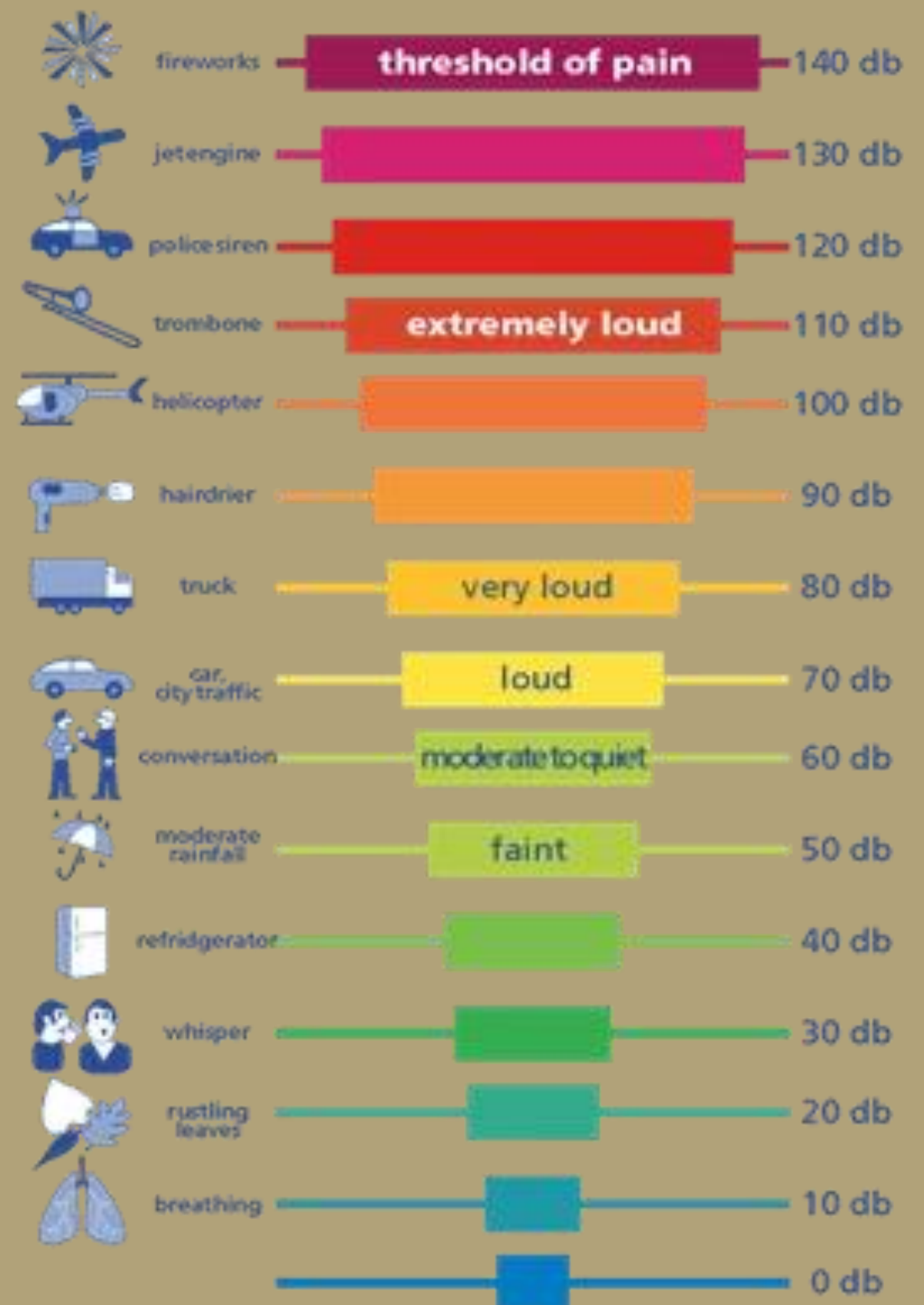
Noise Exposure



How Sound is Measured

- Hertz (Hz)
 - Frequency a high or low pitch

- Decibels (dB)
 - The loudness of the sound

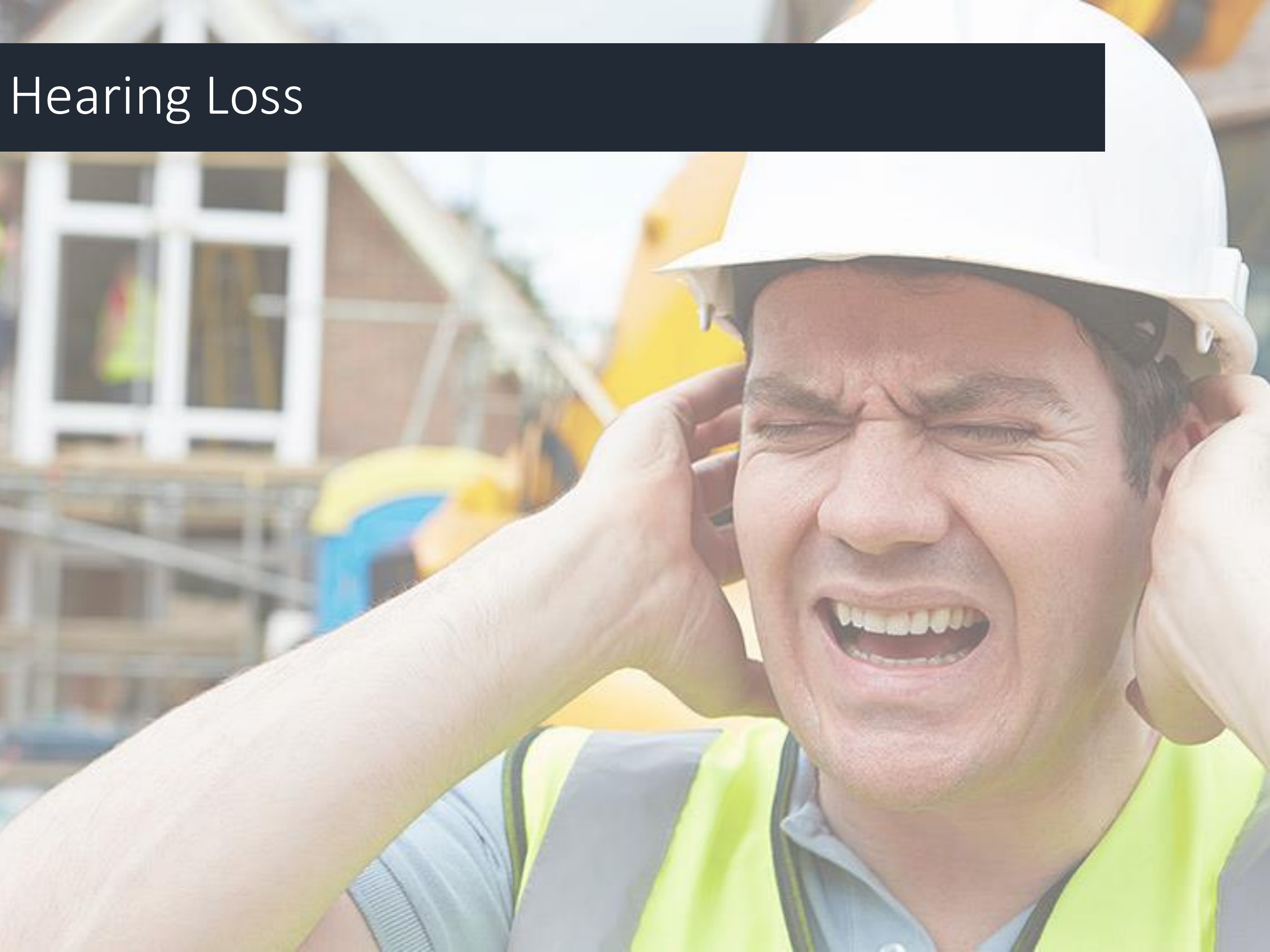


Permissible Noise Exposure

Permissible Noise Exposure 29 CFR 1910.95(b)(1)	
Duration per Day (hours)	Sound Level (dBA)
8	90
6	92
4	95
3	97
2	100
1	105
1/2	110
1/4	115

Impact noise should not exceed 140 dB

Hearing Loss



Protect Your Hearing!



Employer Responsibilities



Noise Monitoring

Sound Level Meter



Dosimeter



Exposure & Controls



Hearing Protection



Hearing Protection – Earplugs



How to Use Formable Earplugs



Hearing Protection – Earmuffs



Hearing Protection – Earmuffs



Audiometric Testing



One Team

QUESTIONS?

