

Date	Time Start	Time End	Session Title	CEUs	Tier 1?	*Instructional Level	Presenter(s)	Learner Outcome #1	Learner Outcome #2	Learner Outcome #3
2/26/21	10:00 AM	10:30 AM	Where We have been and Where We are Now: Occupational Hearing Loss in the United States	0.05	No	Intermediate	Elizabeth Masterson	Discuss the differences in the prevalence of hearing loss among U.S. industries and occupations. Participants will identify original attempts to standardize methods to predict noise-induced hearing loss.	Discuss the issues in hearing loss prevention efforts among U.S workers. between the effects of continuous (Gaussian) noise and complex (non-Gaussian) noise. Assess how kurtosis can characterize the composition of complex noise (combination of continuous and impulsive noise).	Identify the progress in hearing loss prevention efforts among U.S workers. Participants will distinguish between earlier and contemporary versions of ISO 1999 standards.
2/26/21	10:30 AM	11:00 AM	The Need for a Re-Examination of ISO 1999	0.05	No	Intermediate	Alice Suter		Assess how kurtosis can characterize the composition of complex noise (combination of continuous and impulsive noise).	Compare different proposed metrics for assessing excess risk of hearing loss in noise exposed populations.
2/26/21	12:00 PM	12:30 PM	A new noise exposure criteria is needed for complex noise. The association between hearing loss and hearing protector attenuation among miners	0.05	no	Intermediate	Bill Murphy	Assess the differential risks of hearing loss due to continuous and impulsive noise.	Describe association between hearing loss and hearing protector attenuation among miners	Explain benefits of performing fit testing to ensure proper attenuation for workers with hearing impairment
2/26/21	12:45 PM	1:15 PM		0.05	No	Intermediate	Rick Neitzel	Assess hearing loss and hearing protection use among miners		
2/27/21	10:30 AM	11:00 AM	Hearing Conservation Strategies for a Mobile Workplace	0.05	No	Intermediate	Jeffrey Winget	Classify areas of concern for hearing conservation program enrollment and personal protective equipment requirements in automotive manufacturing sector.	Design noise maps to visualize noise level measurements in automotive manufacturing sector. Compare and contrast differences between stakeholders and a lobbyists involved in advocacy for Hearing Conservation Programs.	Manage priorities for OSHA compliance and personnel protection for automotive manufacturing sector.
2/27/21	11:15 AM	11:45 AM	Turning Angst into Action During Covid-19 Challenges! The birth of a word and applications and implications of big data (TedTalk)	0.05	No	Intermediate	Vivienne Wersel	Determine appropriate staffers or elected officials pertaining to issue of advocacy for Hearing Conservation Programs. Explain what Deb Rob meant by feedback loops influencing both the subject (baby) and the environment (adults).	Describe how millions of data points can be represented graphically	Develop pre-and post-meeting communication protocols for advocacy for Hearing Conservation Programs. Apply Deb Roy's techniques of big data acquisition to devise strategies to prevent noise-induced hearing loss.
2/27/21	12:45 PM	1:45 PM		0.1	No	Intermediate	Elliott Berger			
<p style="color: red; text-align: center;">THE FOLLOWING ARE PRE-RECORDED SESSIONS FOR HOMESTUDY AS PART OF CONFERENCE PACKAGE. These are offered through March 19.</p>										
na	na	na	Audiovisual training rapidly reduces hazardous perceptual errors caused by earplugs	0.05	No	Intermediate	David Audet	Identify possible reasons for sound localization associated with hearing protection misuse or disuse.	Describe front-back confusions associated with Hearing Protection Devices and why they can be hazardous.	Interpret auditory localization in adult listeners.
na	na	na	Managing auditory sensitivities in autism: the potential of smart hearing protection	0.05	No	Intermediate	Danielle Benesch	Identify the potential of smart hearing protection for managing auditory sensitivities.	Learn to use and accept challenges of adapting an electronic hearing protector for auditory sensitivities.	Compare effectiveness of real-time audio filtering methods.
na	na	na	Virtual Health - Audiology & Hearing Readiness	0.05	No	Intermediate	Georgina Blasco	Assess benefits of virtual telehealth for military service members.	Identify different virtual telehealth platforms currently being used within the Military Health System.	Identify billing codes used to appropriately designate a virtual health appointment.
na	na	na	Crossing Barriers to Reduce Occupational Hearing Loss Please Don't Stop the Music! I Mean Outreach Healthy Hearing Outreach in the Coivid-19 Era	0.05	No	Intermediate	Asha Brogan	Identify Recommended Distribution Channels for Hearing Loss Information among Industrial workers.	Identify barriers of implementing hearing loss prevention techniques in industrial workers.	Learn what specific goals are needed for a common intervention plan in industrial workers.
na	na	na	Hearing protectors fit-testint: preliminary results of earmuff instrumentation on manikin	0.05	No	Intermediate	Kelsie Busho	Discuss best practices for online outreach/marketing	Identify ways to track outreach within the community	List possible benefits of using online, healthy hearing outreach in today's environment
na	na	na	Evaluation of Hearing Protection Device Effectiveness for Musicians	0.05	No	Intermediate	Arthur Colomber	Assess advantages and limitations of using earmuffs for preventing noise-induced hearing loss (NIHL).	Discuss the potential benefits of using instrumented earmuffs to prevent NIHL. Identify musicians' frequently reported benefits and barriers to wearing Hearing Protection.	Discuss the potential benefits of finite element modeling of earmuffs microphone instrumentation. Identify factors influencing HPD effectiveness for musicians.

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na	na	na	Leadership Lessons for New and Seasoned Leaders	0.05	No	Intermediate	Angela Day	Attendees will learn best practice skills on how to create change in the clinical workplace	Attendees will learn how to address challenges in the clinical workplace.	Identify leadership styles/characteristics in order to sustain change.
na	na	na	Tablet-based alternatives to field attenuation evaluation systems	0.05	No	Intermediate	Coral Dirks	Describe current methods of measuring personal attenuation ratings for Hearing Protection Devices.	Identify portable assessment tools for Hearing Protection Devices.	Describe one tablet-based Personal Attenuation Rating screening and assessment tool.
na	na	na	An Update from the CDC NIHL Workgroup	0.05	No	Intermediate	John Eichwald	Describe hearing conservation activity of the NIOSH Noise and Bioacoustics Team.	Locate CDC public health materials for the prevention of NIHL	Identify the WHO Make Listening Safe initiative.
na	na	na	Working with Musicians: From Booth to Fit	0.05	No	Intermediate	Brendan Fitzgerald	Participants will be able to identify individuals who are at risk for Music Induce Hearing Disorders.	Participants will apply new knowledge of clinical test batteries for Music Induced Hearing Disorders.	Participants will implement best practices in verification of hearing protection devices for musicians.
na	na	na	Between-subject differences in middle-ear energy transmission	0.05	No	Intermediate	Gregory Flamme	Identify applications of wideband immittance and tympanometry in susceptibility to Noise induced Hearing Loss.	Describe the typical wideband absorbance spectrum related to middle ear transmission.	Describe the range of intersubject differences in wideband absorbance spectra in the U.S. population
na	na	na	Certification in the Time of COVID-19: DoD/VA Hearing Technician Distance Learning Course Update	0.05	No	Intermediate	Marjorie Grantham	Identify two positive outcomes of the DoD/VA distance learning model of Hearing Technician certification.	Describe two challenges in Hearing Technician training faced by the DoD/VA distance learning team.	Describe how distance learning collaboration has benefitted DoD and VA audiology practices.
na	na	na	Threshold Shift Susceptibility Correlated with Pre-Cochlear Amplification in Chinchilla	0.05	No	Intermediate	Sarah Grinn	Identify the external ear's role in pre-cochlear amplification.	Understand that in-ear noise dose varies significantly after accounting for pre-cochlear amplification.	Assess the current human and animal data findings that indicate individual susceptibility in pre-cochlear amplification.
na	na	na	Characterization of Noise Injury and Blast Exposure in Military Populations	0.05	No	Intermediate	Quintin Hecht	Describe the use of boothless audiology technology in assessment of threshold shifts in military service populations.	Describe the noise/blast measurement techniques employed in military exposures.	Describe preliminary findings of the auditory and noise/blast measurements data.
na	na	na	Hearing protection device perform requirements "in Europe	0.05	No	Intermediate	Magnus Johansson	Recognize the structure of Hearing Protection Device standards in Europe.	Identify the most relevant Hearing Protection Devices standards in Europe.	Explain the main difference between HPD requirements in Europe and the USA.
na	na	na	Audiometric outcomes,machining processes, and noise control materials in manufacturing	0.05	No	Intermediate	Sridhar Krishnamu	Identify noisy machining processes in manufacturing	Identify low-cost sound absorption materials for Hearing Conservation Programs.	Identify the role of audiometric monitoring for identifying threshold shifts in manufacturing workers.
na	na	na	The New Age of Professional Supervision:Technology As an Asset	0.05	No	Intermediate	Renee Lefrancios	Assess the difference in terminology between CAOHC and OSHA 29 CFR 1910.95 as it pertains to professional supervision of Hearing Conservation Programs.	Determine techniques incorporating current internet-based technology that can help manage HCPs remotely.	Identify strategies to help Professional Supervisors develop effective communications with Health and Safety Professionals.
na	na	na	Consequences of COVID-19 on The Sound Exposure of Entertainment Industry Professionals	0.05	No	Intermediate	Heather Mal yuk	Describe how sound exposure has changed for the music industry in the COVID-19 pandemic.	Compare tinnitus questionnaire outcomes between music industry professionals and non-music industry professionals in the current pandemic.	Describe incidence rate of music-induced hearing disorders in the professional entertainment industry.
na	na	na	Building synergy among CAOHC and NHCA	0.05	No	Intermediate	Raul Mirza	Describe the CAOHC organizational strategy to advancing best practices in hearing conservation.	Identify products and services available to hearing conservation professionals for improving the quality of their clinical practice.	Evaluate CAOHC and NHCA joint initiatives for promoting hearing conservation and hearing loss prevention.
na	na	na	Exposure to ototoxicants in the workplace " Recent developments towards prevention of potential hearing disorders	0.05	No	Intermediate	Thais Morata	Participants will identify the classes of chemical ototoxicants that affect hearing.	Participants will determine factors that can affect risk of ototoxicity, including impulsive noise exposures	Evaluate chemical exposure solutions can reduce the risk of hearing loss.
na	na	na	Acoustic Standards for High-level Impulse Noise	0.05	No	Intermediate	William Murphy	Participants will distinguish between methods to assess Impulse Noise.	Participants will identify factors pertaining to accurate recordings and assessment of weapon noise.	Identify Maximum Permissible Exposures to compare Damage Risk Criteria.
na	na	na	CPT Schad Goes to Prison	0.05	No	Intermediate	Maggie Schad	Identify the role of Hearing Conservation Programs in United States Disciplinary Barracks (USDB).	Compare USDB hearing conservation outcomes among in-mates, active duty Soldiers, and veterans.	Assess the challenges associated with treating this special USDB population.
na	na	na	A new method for headphone sanitization	0.05	No	Intermediate	Dan Schumaier	Define a process for the use of ultraviolet cleaning technology (UV-C) to sanitize headphones used in hearing tests.	Distinguish between the use of UV-C and other sanitizing options such as alcohol wipes.	Determine the time saved through use of the UV-C sanitizing.

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na	na	na	NoiseHelp.Auburn.edu: A Resource for Noise Abatement	0.05	No	Intermediate	Richard Sesek	Identify free/inexpensive smartphone apps for reliable measurements at home and in workplace.	Demonstrate effectiveness of noise abatement technologies in industry. Describe association between noise exposure-related factors and near misses among miners	Apply web-based resource to enhance training and education for Hearing Conservation Programs. Describe association between noise exposure-related factors and injuries among miners
na	na	na	Injuries, near misses, and noise exposures among miners	0.05	No	Intermediate	Lauren Smith	Assess noise exposures among miners	Identify issues associated with implementing Hearing Conservation Programs in the agriculture sector.	Identify the areas which require revision or improvement for Hearing Conservation in the Agricultural sector.
na	na	na	Hearing Conservation Program in the Agriculture Sector: An Evaluation	0.05	No	Intermediate	Ravinder Thaper	Identify factors associated with implementation of Hearing Conservation Program in the agricultural sector.		Loud singing inside choirs without masks has been associated with COVID19-related deaths from the spreading of aerosols.
na	na	na	Safer choir rehearsals in the period of COVID19	0.05	No	Intermediate	Mead Killion	Identify the music perception at increased distances in choir practices in pandemic.	Identify the effects of facial masks on music perception.	Evaluate tracking of disparities in meeting of Healthy People 2020 objectives.
na	na	na	Progress in Preventing Hearing Loss: Healthy People 2020 and Beyond	0.05	No	Intermediate	Christa Themann	Identify three reasons for monitoring hearing health objectives as per Healthy People 2020.	Identify one hearing-related HealthyPeople 2020 objective which successfully met its target	
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na	na	na	Hearing Protection Device Evaluated Products List (HPD EPL): Solving the competing issues of hearing protection and situational awareness	0.025	No	Intermediate	Kari Buchanan	Describe the decision process in selecting HPDs for noise attenuation and hearing critical tasks	Explain ways to determine hearing critical tasks in the work place	Use the decision tree to select HPDs appropriate for noise environment and hearing critical tasks
na	na	na	Measurement of industrial noise using a smartphone-based sound level measurement application	0.025	No	Intermediate	Wei Gong	Investigate the efficacy of the National Institute for Occupational Safety and Health (NIOSH) Sound Level Meter (SLM) app for iOS smart devices for measuring noise exposure in occupational settings.	Investigate the parameters that influence the accuracy of NIOSH SLM app's performance.	Identify validation needed for follow-up studies in sound level monitoring apps.
na	na	na	Can You Tell Me How Loud This Is?: Audiological Verification of Non-Hearing Aid Amplifying Technologies	0.025	No	Intermediate	Elizabeth Grieggs	Identify novel clinical approaches to measuring and describing the safety risks of loud volume of consumer electronics with patients in audiology practice settings.	Describe different ways hearing professionals can clinically measure the output of consumer audio electronic devices.	Explain how Real ear probe microphone measurements can be used to verify the output of consumer audio electronic devices.
na	na	na	Review of Musician Hearing Health Care in the US	0.025	No	Intermediate	Kathryn Ideker	Assess the hearing risk posed to musicians.	Identify clinical protocols from Hearing Care Professionals for Music Induced Hearing Disorders.	Apply gaps in care learned to future treatment of music induced hearing disorders.
na	na	na	The Influence of Tinnitus and Hearing Loss on the Functional Status of Military Service Members and Veterans	0.025	No	Intermediate	M. Samantha Lewi	Describe a study evaluating the influence of tinnitus and hearing loss on the functional status of military Service members and Veterans	Discuss the influence of tinnitus and hearing loss on operational performance of military Service members	Describe the influence of tinnitus and hearing loss on functional health for military Veterans
na	na	na	Prevalence of Hearing Protection Device Non-Use among U.S. Workers in 2007 and 2014	0.025	No	Intermediate	Elizabeth Masters	The learner will be able to compare the prevalence of hearing protection device (HPD) non-use among U.S. industries and occupations.	Identify the adjusted risk of HPD non-use among U.S. industries and occupations.	Recognize Hearing Protection non-use among industrial workers.
na	na	na	COVID-19 FOCUSED GUIDANCE FOR AUDIOMETRIC BOOTHS	0.025	No	Intermediate	Kimberly Parks	Learn how to calculate air changes per hour (ACH) for audiometric booths with and without exhaust ventilation	Learn how to clean and disinfect audiometric booth and equipment	Learn to apply COVID-specific measures for worker and client safety
na	na	na	Influence of Earplugs on the Loudness and Dynamic Range of Music played by Caucasian and Filipino musicians	0.025	No	Intermediate	Vishakha Rawool	Compare conventional and musician earplugs	Discuss the effects of cultural differences on loudness of music played by musicians.	Discuss the effects of the use of earplugs on the loudness and dynamic range of music played by musicians.
na	na	na	Review of Custom-Fit Musician Earplug Manufacturer Information in the US	0.025	No	Intermediate	Abby Sears	Assess the hearing risk posed to musicians and the appropriate HPD options	Learn to use current verification and manufacturing practices performed by manufacturers of musicians' HPDs	Identify current recommendations for hearing health providers made by manufacturers of musicians' Hearing Protection Devices

