

**Department of Communication Sciences & Disorders  
Distinguished Lecture in Audiology**

**William J. Murphy**

**Coordinator for Hearing Loss Prevention Research  
National Institute for Occupational Safety and Health  
Division of Field Studies and Engineering  
Cincinnati, OH**

**Friday, October 25, 2019, 9:30 AM - 11:00 AM  
PCD 1147**

**Hearing loss prevention and  
the role of the Centers for Disease Control and Prevention**

Abstract

The Centers for Disease Control and Prevention has a significant role in educating and informing the public about hearing loss prevention. The National Institute for Occupational Safety and Health provides hearing loss prevention recommendation to the Departments of Defense and Labor about potential risks to hearing from noise, ototoxic substances and related health risks. The National Center for Environmental Health has been providing information to the public regarding non-occupational noise exposures for adults and children. The National Center for Birth Defects and Developmental Disabilities has led the efforts to establish newborn early screening programs. The National Center for Health Statistics has managed the national surveys of the United States to provide quality reference data to inform our policies. This talk will provide an overview of how these agencies within CDC work together to prevent hearing loss.

Biography



CAPT William J. Murphy, Ph.D. is the coordinator for the Hearing Loss Prevention cross sector and works in the Division of Field Studies and Engineering, National Institute for Occupational Safety and Health in Cincinnati. He joined NIOSH in 1992 after completing his Ph.D. in physics at Purdue University. His research has largely focused on otoacoustic emissions, noise exposures due to impulse noise, hearing protection devices and test methods to assess the middle ear muscle contraction. He is an active member of the National Hearing Conservation Association and a Fellow of the Acoustical Society of America. He is actively involved with the development of national and international standards on noise and bioacoustics within the American National Standards Institute and International Standards Organization. He has collaborated with researchers in the Army, Air Force, Navy and Marine Corps to gauge the risks of the potential for hearing loss due to high-level noise.

