

September 28-29, 2022

Webinar

Occupational Medicine &amp; Health Affairs

ISSN: 2329-6879

## Noise damage accelerates auditory aging and tinnitus: a Canadian population-based study

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Age-related hearing loss (ARHL or presbycusis) is the third most challenging disability in older adults after hypertension and arthritis. Noise is a known modifiable risk factor of ARHL, which can drive adverse health effects. Few population-based studies, however, have shown how chronic noise exposure (CNE) impacts the severity of ARHL and the prevalence of tinnitus. In this large-scale study, 928 participants aged 30-100 years without (n=497) or with the experience of CNE (n=431) were compared in