

Literature Review

Kim Jeongmin

14/06/2023

Literature review:

While an occupational standard of 85 decibels has been widely accepted as a safe noise level, this article argues that it is not adequate for protecting the public from the harmful effects of noise. The article highlights the need for a lower standard and increased efforts to control noise pollution in the United States.

The study emphasizes about non-auditory health impact of noise. In addition to hearing loss, noise exposure has been associated with various non-auditory health impacts, including increased stress hormones, hypertension, obesity, cardiac disease, and mortality. Even at average daily exposures as low as 55 decibels, these health impacts can occur, with activity interference starting at 45 decibels.

In addition, this study emphasizes about Inadequacy of the Occupational Standard. 85-decibels were originally the standard to prevent hearing loss in work place, so the Environment Protection Agency adjusted the recommendation for public noise exposure to a 70-decibel time.

Finally, the literature review discusses about increase in hearing loss. The percentage of hearing loss in the United States has been on the rise, with an estimated 48 million. The increase is not reason of aging population but also affects younger individuals. Noise exposure from various sources can be reason of increase, such as personal music players, loud indoor environment.

Summary:

The article emphasizes the inadequacy of the current 85-decibel standard as a safe noise level for the public. It calls for increased efforts to control noise pollution and protect the public from the harmful effects of noise exposure.

Source:

Folmer RL. (2016). What is a safe noise level for the public? The Hearing Journal, 69(6), 10-11
<https://ajph.aphapublications.org/doi/full/10.2105/AJPH.2016.303527>

Correlation to project:

This literature provides how important noise level in public place. This is directly connected with our project. This means our project is need for user. Also, there is standard noise level, so if noise level over standard we can inform to user that there is danger of losing hearing.