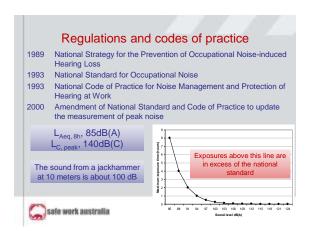
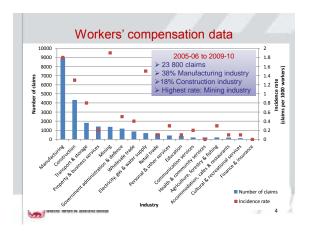


Occupational noise-induced hearing loss Preventable but irreversible condition Costly to individuals and their families - significant social handicap Costly to organisations via increased employee turnover and absenteeism, lower performance and possible contribution to workplace accidents Costly to Australian society via demand on health and social services Total economic cost of occupational noise-induced hearing loss (ONIHL) estimated to be AU \$300 million annually





Occupational noise induced hearing loss Despite regulating occupational noise exposure for more than 15 years we still have a problem... 1) How big is this problem and where is it? 2) Why do we still have this problem? 3) What are we doing about it?



How big and where is the problem?

Main findings of the noise exposure surveillance research

- > 32% of workers surveyed reported exposure to loud noise
- > The following employment and demographic factors were associated with noise exposure:
 - > Gender: male workers were more likely to be exposed
 - Age: young workers were more likely to be exposed
 - Night work: night workers were more likely to be exposed
 - Cocupation: Technicians & trades workers, Labourers and Machinery operators & drivers
 - Industry: Manufacturing, Construction, Transport & storage, Agriculture, forestry & fishing



How big and where is the problem?

Main findings of the noise exposure surveillance research

- > Duration of exposure to loud noise varied with:
 - > Industry: Manufacturing, Transport & storage, Construction, Agriculture, forestry & fishing
 - > Occupation: Machinery operators & drivers, Labourers & Technicians & trades workers
 - > Workplace size: larger work places were associated with longer



How big and where is the problem?

Main findings of the noise exposure surveillance research

Control provision was affected by:

- ➤ Workplace size the likelihood of control provision improves with increasing workplace size
- **≻Occupation** Machinery operators & drivers low odds of control provision
- >Industry Manufacturing

provision	best	CONTROL	

Type of control	% of exposed workers who reported control was provided
PPE	72%
Engineering controls	44%
Training	41%
Administrative controls	36%
None of the surveyed controls	18%



Why do we still have a problem?

Worker and organisation attitudes research

Getting Heard: effective prevention of hazardous occupational noise

Background

An occupational noise-induced hearing loss research project funded by the Australian Government Department of Health and Ageing under the Hearing Loss Prevention Program, 2008-10

Main Aim

Determine the key factors (barriers and enablers) in the effective control of exposure to hazardous occupational noise



http://www.safeworkaustralia.gov.au/AboutSafeWorkAustralia.WhatWeDo/Publications/Pages/RR201008OccupationalNois ducedHearingLossInAustralia.aspx

Why do we still have a problem?

Worker and organisation attitudes research

Getting Heard: effective prevention of hazardous occupational noise

Work program

- Literature review of key barriers and enablers
- Literature review of economic factors
- > Cost-benefit model of the impact of noise
- > On-site measurement of noise levels
- > Focus groups with people in at-risk industries Survey of 1100 workers and 1000 employers
- > 50 in depth, face to face interviews with
- employers



Why do we still have a problem?

Main findings of the worker and organisation attitudes research - Getting Heard

Strongest barriers to effective noise control and ONIHL prevention:

- > over-reliance on personal hearing protectors
- > infrequent and improper use of personal hearing protectors
- > lack of prominence of noise as a serious work health and safety issue
- lack of consideration of potential benefits of effective noise control
- > lack of information on machinery / plant noise levels



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