

COMPENSATION STATISTICS (Dr Dzingwa)	
QUESTION	ANSWER
Which occupation had the highest compensable claim, since 2003?	Please refer to the presentation which highlights the Top 10
	impacted occupations over the past 20 years.
What is the top reason for claims getting rejected?	Claim not meeting the COID requirements
If there is a relationship between age and development of NIHL, how	The relationship can be independent and synergetic. Current
does RMA differentiate between occupational causes and Age-related	compensation model does not consider age correction. It means a
causes?	claim is adjudicated purely on PLH or PLH shift.
If OAE is advisable a better indicator, what would be the plan in	OAE can be added to audiometric test battery for early inner
implementation to industry, seeing the requirements of education to	pathology detection. Training and education can incorporate in
both perform and interpret OAE results?	Hearing Conversation Programs
Of the Top 5 compensation claims, what are the other 4? Excluding the	Heat exhaustion, heat cramps, synovitis and tenosynovitis and
NIHL?	carpal tunnel syndrome
Are your stats based on total NIHL or can you break it down between	The stats were based on submitted NIHL claims
Occupational NIHL and Medical NIHL? We have found that more than	
90% of our NIHL cases is due to medical conditions (diagnosed with	
specialists and tests)	
What are the common reasons for 9%rejection of claims for NIHL?	Claim not meeting the COID requirements
	Hearing loss not Sensory Neural Hearing Loss (SNHL)



	SNHL other than noise
	Sudden or Acute PHL deterioration
Does RMA use ABR or ASSR and OAEs to give a picture of NIHL?	Pure Tone Audiometry is a gold standard audiometry for determining
	the type of HL and degree of PHL or PLH shift as per COID NIHL
	instruction. Baseline and periodic screening audiograms are
	currently used to get a picture of NIHL claim. ABR and ASSR due to
	their limitations are used in exceptional cases for additional insight.
	RMA does not receive OAE data at the moment. OAE data is limited
	inner ear pathology not the type and extent of HL
NOISE RESEARCH: OUTCOMES AND WAY FORWARD (DR N Tlotleng)	
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What can one do to be part of the research team, related to the effects of COVID-19 and NIHL?	At the moment there is no research done at the MHSC on effect of COVID-19 and NIHL. The research was proposed however designing the study may be a challenge. Should there be reliable data source of NIHL patients and their record of being diagnosed with COVID-19, an approach of a retrospective cohort study design can be taken to assess causality/ association.

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	what literature. One example is the small sample size as well as
	loss to follow up of participants included in the study.
	However, the researchers did propose that more studies with a
	larger sample size can be done to look at the relationship between
	HIV positive, being on ARV and hearing loss.
Given that most mines reported an increase in OHNIL post the COVID	It may be the effect of the SARS virus on the hearing, as previously
19 lockdown, could the increase be associated with COVID 19? I think	alluded to with HIV or the COVID-19 medication (s). We may not
is an area for exploration.	know this unless research is done. Careful consideration should
	however be taken when designing this particular study.
NOISE RISK EXPOSURE ANALYSIS (V Nundlall)	
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	Dr Dzingwa as it is different pattern from other types of sensory
	neural hearing loss.
Could a sign of Ototoxicity be that the persons hearing is fine (better	The initial stages of ototoxicity could be symptomatic including
than most), but have symptoms of struggling to hear with background	symptoms like tinnitus, mild communication disturbances during
noise or experience people mumbling?	conversations in noise, balance problems, vertigo etc. These are all
	signs that further tests and monitoring should be done if the patient
	has been on any ototoxic medication you will pick up the changes
	over time.
Are we being realistic when we continue calling it NIHL, when all these	Yes, there are specific patterns that we see in ONIHL, and specific
other background effectsi.e. medication, food, chemicals, drugs	patterns for ototoxicity. The other important factor in diagnosis of
which is more of where we find ourselves exposed to at some point in	both, include all the series of tests to rule out and differentiate one
our lives, might also result in hearing loss?	from the other. Don't forget to take a thorough medical case history
	which will indicate to you presence of medication, noise exposure
	etc.
What is the role of antioxidants on NIHL?	Some studies have been done on animal models and some
	evidence does exist that support use of antioxidants to improve or
	support hearing health.
	Antioxidant Therapy as an Effective Strategy against Noise-Induced
	Hearing Loss: From Experimental Models to Clinic - PMC (nih.gov)

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OAE AND STS IN NOISE RISK MANAGEMENT (DR L NTLHAKANA)	
QUESTION	ANSWER
Since there is a drive to include OAE in screening, would you	OAE screening could be explored as part of OHN competency in
recommend that the OHN and audiometrist extend their competency to	audiometry (not for the general audiometrist). DPOAE diagnostic
this method or is it going to be exclusive to audiologistsWhat is the	component is only for audiologists as it is part of the diagnostic
economic impact on the industry and country?	audio protocol. This is a tool and a procedure that will reduce the
	economic burden of the industry and country (NIHL compensation
	payouts) and the hearing health burden for the workers (ONIHL
	disability).
Please highlight for the audience why 16 hours noise free is not a	16 hours noise-free is part of the quality check and compliance in
suggestion but the impact on quality of screen?	audiometry screening and should not be overlooked.
RECENT ADVANCES IN HEARING CONVERSATION PROGRAMMES (PROF N MOROE)	
QUESTION	ANSWER
What is the price range of the special HPD and smart protection you	The items I have were acquired for research purposes, and I do not
referred to in your presentation?	have an exact cost for them. I approached a local company
	recommended for sourcing the product; however, they provided a
	quote for a different product that did not meet the specifications I
	mentioned in my presentation. I will verify the cost with the company
	from which I originally sourced the products.



On the new technology: The worker goes underground with the	Workers can remove the device during their shift if they are not
technology, meaning that they should fit it before going underground,	exposed to noise levels exceeding permissible limits. This device is
can they then remove their hearing protection during shift?	a standard earplug/headphone device that can be removed as
	needed. The key feature is the built-in dosimeter, which measures
	the noise levels the person was exposed to and the level of
	protection provided by wearing the device. Additionally, the
	dosimeter records instances when the earplug was removed and
	displays the noise levels at that time. This way, you can judge if the
	noise levels were not high when the device was removed.
In some mines you only put hearing protection when in a noisy	That shouldn't pose an issue. The main focus is on the noisy
environment, and with regards to underground mines, it's advisable not	environment and ensuring that workers consistently use hearing
to have HPDs in your ears during cage transit as the pressure change	protection when needed. When they are not in a noisy environment,
might damage your ears.	there is no need to wear the protection, as long as they remember
	to put it on when exposed to noise.
Can smart hearing be retrofitted?	It depends. One option is to have workers use their standard
	hearing protection devices while pairing them with a dosimeter
	attached to the hard hat to measure the noise entering the ear.
	Alternatively, you can opt for an in-ear dosimeter that is built into the



device itself. This requires getting a new device that comes installed
with the dosimeter already.

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