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Hand Arm Vibration Syndrome What's the problem?

HAVS sufferers face long term disablement.

There is no cure. Prevention is the only option.





Hand Arm Vibration Syndrome What's the problem?

Disturbance to hand function caused by transmitted vibration

Blood Vessels

Nervous System

Muscoskeletal Damage

Symptoms include tingling, numbness, reduced grip or dexterity and pain, often severe.





Hand Arm Vibration Syndrome History

1911: Symptoms first described by Professor Giovanni Loriga in Italy

1918: Dr Alice Hamilton MD refers to "dead fingers" syndrome in 1918

1970: Dr Alice Hamilton dies, aged 101

1970: Term 'vibration induced white finger' coined by Industrial Injury Advisory Council







Hand Arm Vibration Syndrome

History

Dr Hamilton:

"The trouble seems to be caused by the vibrations of the tool, and cold.

If these features can be eliminated the trouble can be decidedly lessened"







Hand Arm Vibration Syndrome History

1975: First scale published for assessing the condition - The Taylor-Pelmear scale

1985: Listed as a prescribed disease in UK

1997: UK High Court awarded £127,000 in compensation to seven coal miners for vibration white finger

2004: UK government fund set up to cover subsequent claims by ex-coalminers exceeds £100 million in payments.







HAVS Current Legislation Interpretation

- Health And Safety At Work Act 1974.
- Provision and Use of Work Equipment Regulations 1998.
- Management Of Health And Safety At Work Regulations 1999.
- Physical Agents (Vibration) Directive 2002.
- Control of Vibrations Regulations 2005.
- Supply of Machinery (Safety) Regulations 2008.





HAVS Current Legislation Exemptions

- Emergency services
- Air transport
- Ministry of Defence





The Control of Vibrations Regulations 2005

Protect workers from harmful effects of vibration exposure transmitted by hand contact





Risk Assessment

Suitable health surveillance should be undertaken where risk assessment indicates a risk to workers' health.





Why and how to detect/report symptoms of HAVS

- Most surveillance is carried out annually.
- Susceptible individuals can develop symptoms in 6 months or less.





Hand Arm Vibration Syndrome Implications

- Health & Safety
- Disability
- Employability
- Family





























Hand Arm Vibration Syndrome Implications

Employer

- Legal
- Litigious
- Ethical
- Moral
- Insurance

- Core Skills
- Costs
- Morale
- Closure
- Prosecution
- Reputation



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Hand Arm Vibration Syndrome Implications

Health & Safety Professional

- Ethical
- Moral
- Trust
- Respect
- Prosecution
- Reputation
- Career





Lawyers?

AMBULANCE CHASING?

It is reasonable to expect that this emerging market will be filled by qualified professionals.







Hand Arm Vibration Syndrome

Litigation

Hand Arm Vibration Claim: Solicitor Sets Out Compensation Amounts For HAVS, Vibration White Finger, Reynaud's Syndrome, Whole Body Vibration Syndrome

- 1. Financial losses and expenses
- 2. Pain and Suffering
- 3. Legal Costs
- 1. Hand arm vibration affecting the fingers: £2,000 £11,000
- 2. Disability to one or both hands: £11,000 £25,000

'Substantial' payout to Cumbrian man whose hands damaged at workBy Jenny Barwise

Thompsons Solicitors

£30,000 payout for young man from Doncaster who had to change jobs after vibrating tools permanently damaged his hands





Hand Arm Vibration Syndrome Litigation

Hand ArmVibration Compensation Claim Amounts

Hand arm vibration syndrome is classed as an industrial injury and as such it is possible to make a claim for personal injury compensation if employer blame has been established for the injuries sustained. See below compensation examples;

£15,000 compensation for a construction worker that used hydraulic breakers and wacker plates and developed vibration white finger.

£10,000 injury compensation for a construction worker using pneumatic tools such as vibrating pokers, scrablers, whacker plates and kango hammers over a 20 year period who developed hand arm vibration syndrome

£6,761 awarded to an employee of the National Coal Board that had hand arm vibration syndrome.

£4,000 out of court settlement to an engineering worker that used needle guns and grinders and developed vibration white finger.

£10,000 compensation awarded to a steel fabricator after he developed vibration white finger.

£20,000 injury compensation to a steel fabricator that used angle grinders on a daily basis after he developed a hand arm vibration syndrome condition.





Hand Arm Vibration Syndrome Litigation

Unite member David Hopps, 65 has received a £15,000 out of court payout after developing Hand Arm Vibration Syndrome (HAVS), caused by the maintenance craftsman's use of vibrating tools at Drax Power Station.

Worker receives payout over hand injury

A STOURBRIDGE man has received a £10,000 out of court payout after his hands were left permanently damaged by using vibrating tools at work.

Keith Rowley, aged 55, was left with the debilitating condition Hand Arm Vibration Syndrome (HAVS), also known as Vibration White Finger, after using vibrating tools in his job as a fitter.

His employer General Kinematics Ltd based in Kingswinford did not admit liability but settled the claim out of court after Keith's union, the GMB (Britain's General Union), instructed Thompsons Solicitors to pursue compensation for his injury





Vibration exposure risk assessment

Your risk assessment should:

- Identify where there might be a risk from vibration and who is likely to be affected
- Contain a reasonable estimate of your employees' exposures
- Identify what you need to do to comply with the law eg whether vibration control measures are needed, and, if so, where and what type
- Identify any employees who need to be provided with health surveillance and whether any are at particular risk.





Vibration exposure risk assessment

What to do:

- Review regularly
- After any change in circumstance
- Use a competent person
- Make lists...
- Employees
- Activities
- Tools





Vibration exposure risk assessment

What to do:

- Record the findings of your risk assessment
- Create an action plan
- Set out what you have done
- State what you are going to do
- Create a timetable of actions
- Say who will be responsible for the work





Health Surveillance

- Is identifying HAVS sufferers merely doing the minimum?
- Most surveillance is carried out annually.
- Susceptible individuals can develop symptoms in 6 months or less.
- Isn't prevention better than identification?





The Value of Continuous Monitoring

- Efficient and timely analysis of data.
- Swift Identification of over exposure.
- Early Intervention and Prevention.
- Involves Workforce.
- Contributes to Workforce Safety Awareness.
- Aids change Management.





HAVS Management Tools

HAVmeter



HAVi







HAVS Management Tools









HAVS Management Tools

.....and paper

			10-Jan-05		11-Jam-05		12-Jan-05		13-Jan-05		14-Jan-05		15-Jan-05		16-Jan-05	
Equipment:	V.mag m/s2	Points per Hr	Exp hrs/min	Points per day	Exp hrs/min	Points per day	Exp hr şimin	Points perday	Exp hrs/min	Points per day	Exp hrs/min	Points per day	Exp hrs/min	Points per day	Exp hrs/min	Pointsi per day
296 7-Hed geoutter Double Sided 24*	5.6	63			2,40	236										
296 7-Hed pecuation Double Silded 241	5.6	63							2.00	188						
436 T-Stower Back Pack ES	2.5	13					6.00	73								
406 7-Stower Back Pack (B)	2.5	12							5.00	6.5						
496 T-Slower Back Pack EB	2.5	12									4.00	50				
296 7-Hed gecutter Double Sided 24"	5.6	63	3.1	100												
Weekly Exposure 805	8um			19.0		236			251		40					

















- Reduced Labour Costs
- Accurate HAV data
- Accurate Trigger Time Data
- Timely & salient reporting
- Increased Productivity
- Supports Tool Management





Simple to use











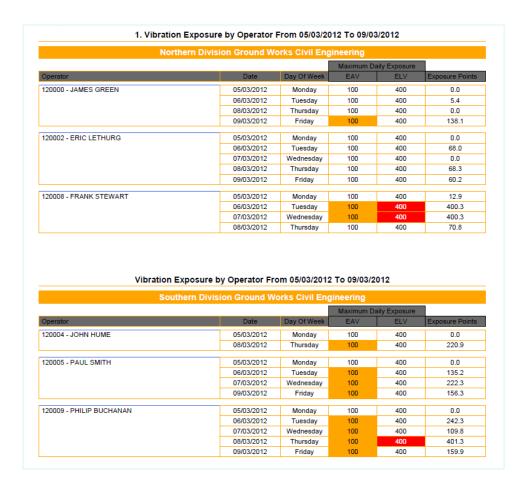








Reporting

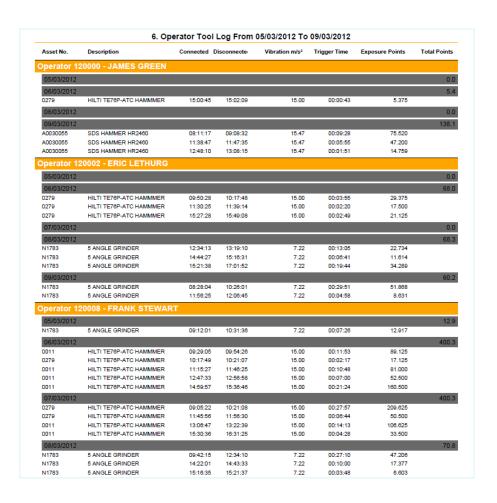


- Simple overview of operative exposure
- Instances where EAV/ ELV are exceeded highlighted automatically
- Records kept indefinitely
- Information defendable in court
- Quick & easy to produce





Reporting

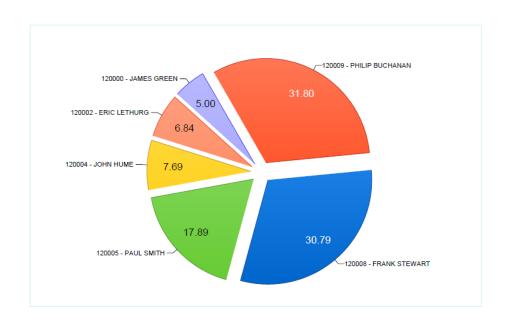


- Detailed information of what tools are being used and when
- Easily investigate which tools causing over exposure
- Staff productivity analysis
- Potential for comparison of task completion rates between squads





Reporting



- Easy to read pie chart showing individuals share of exposure as percentage of the team
- Useful ongoing management tool
- Allows supervisors to balance out total exposure among team





Best Practice

Local Authorities supporting continuous monitoring

Swansea City and Borough Council

Bassetlaw District Council

Sunderland City Council

Basingstoke and Deane Borough Council

The City of Edinburgh Council

Hinckley and Bosworth Borough Council

North Ayrshire Council

North Lanarkshire Council

Scottish Borders Council

Braintree District Council

Harrogate Borough Council

Weymouth and Portland Borough Council

Flintshire County Council

Stirling Council

Wirral Metropolitan Borough Council

Hyndburn Borough Council

West Dunbartonshire Council

Norfolk County Council

Dundee City Council

Peterborough City Council

St Edmundsbury Borough Council

Hampshire County Council

Wigan Metropolitan Borough Council

Stoke on Trent City Council

Wrexham County Borough Council

Southampton City Council

Dumfries and Galloway Council

Leicester City Council

Glasgow City Council

Pendle Borough Council

Northumberland County Council

Forest of Dean District Council

Sandwell Metropolitan Borough Council

Newcastle City Council

St Helens Council

Vale of Glamorgan Council

Falkirk Council

Tendring District Council

Durham County Council

Nuneaton and Bedworth Borough Council

Tameside Metropolitan Borough Council

North Lincolnshire Council

Powys County Council

East Lindsey District Council

South Holland District Council

Rhondda Cynon Taff County Borough Council

Conwy County Borough Council

Perth and Kinross Council

West Lothian Council

Carmarthenshire County Council

Argyll and Bute Council

Bridgend County Borough Council

Merthyr Tydfil County Borough Council

Coventry City Council

Caerphilly County Borough Council

Suffolk County Council

Blaenau Gwent County Council Borough Council

Rushcliffe Borough Council

Hartlepool Borough Council





Best Practice

Organisations Supporting continuous monitoring





End Thank you

