



subsea 7

**Status of the voluntary long term
health surveillance program for
divers**

28.10.11

Sam Sutherland

Status of the international voluntary long term health surveillance programme for divers

Europe 2008 - 206 million workers

- 167,000 fatalities attributed to working environment¹
- 7460 due to accidents at work
- 157,000 due to work related diseases (50% COSHH)

¹ <http://osha.europa.eu/campaigns/hw2008/campaign/campaignsummary>

Status of the international voluntary long term health surveillance programme for divers

UK HSE Statistics 2009/10

233, 000 injuries at work	- 5.1 million days lost
1,300,000 illness by work	- 23.4 million days lost

Occupational Health Aims:

to promote and maintain the highest degree of physical, mental and social well-being of workforce ¹

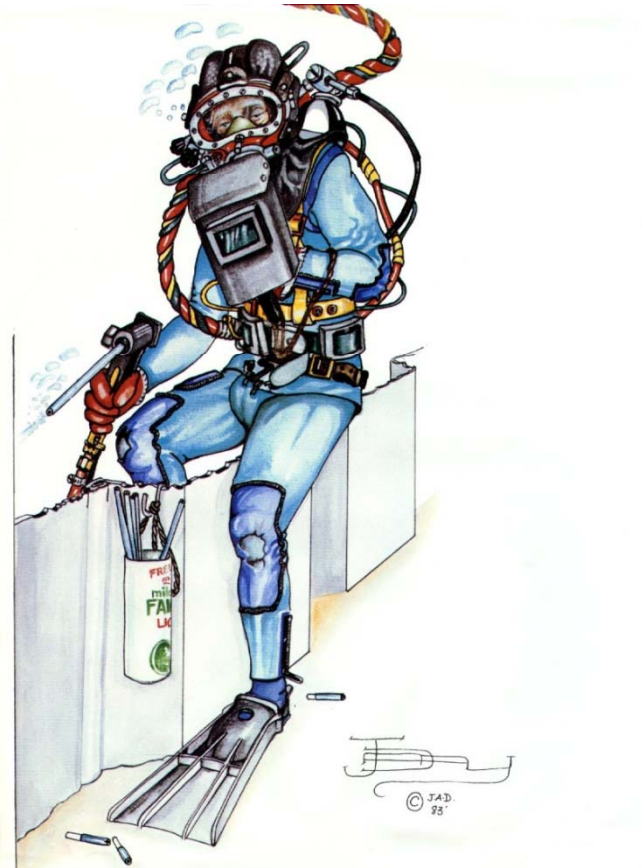
Health Hazards:

Anticipate, Recognise, Evaluate, Control

¹ Excerpt from ILO/WHO definition

Status of the international voluntary long term health surveillance programme for divers

Diver Hazard Exposure



- NOISE
- VIBRATION
- CHEMICALS
- FUMES
- PRESSURE
- BACTERIA

Status of the international voluntary long term health surveillance programme for divers

Legislation

- WHO/ILO



- EC Directives

- National Regulations

- Specific Regulations
U-100

Status of the international voluntary long term health surveillance programme for divers

- OLF/IMCA Long Term Follow Up of Divers Health Project 2005
- Advice sought from DMAC 2006 – Questionnaire proposed
- Questionnaire finalised in 2008
- Reference group met in 1st Quarter 2009
- Questionnaire issued 3rd Quarter 2009

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Questionnaires - Entrance / Follow Up

- 9 Sections
 - sec.1 Personal details
 - sec.2 Lifestyle
 - sec.3 Occupational history
 - sec.4 Diving data collection
 - sec.5 Noise exposure
 - sec.6 Vibration
 - sec.7 Solvents & Chemicals
 - sec.8 Welding
 - sec.9 Further comments



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(Dahl Data) Database collates all information)

- Trigger questions (sec. 4.9 to 8.7)
- Section 10 – Occupational health team actions
 - Occupational Health review
 - Audiogram
 - HAVS assessment
- Referalls



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Entity	Date	Issued	Returned	%
Acergy	2009	50	5	10
Subsea 7	2009	-	-	-
Acergy	2010	48	5	9.6
Subsea 7	2010	128	30	23



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Low Response Factors



- Apathy
- Fear
- Confusion
- Unions

Introducing On-line Health Surveillance



WASP

Wellness Assessment & Surveillance Portal

Benefits

- Simple quick electronic questionnaires
- Questionnaires specific to your job
- One to One telephone follow up if “at risk”
- Detects early signs of occupational illness
- Complete onboard or at home

Monitors

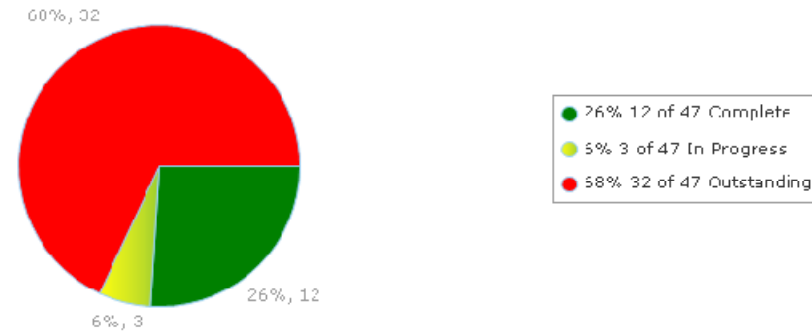
- Hearing Loss
- Hand Arm Vibration Syndrome
- Dermatitis
- Occupational Respiratory Disease
- Working at Heights/Confined Spaces

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Participation

- Management
- Workforce
- Union

Assessments at Westhill Workshop



Assessment	Complete	In Progress	Outstanding
001 - Respiratory Screening	33% 4 of 12 Complete	8% 1 of 12 In Progress	58% 7 of 12 Outstanding
002 - HAVS Annual Screening	15% 2 of 13 Complete	0% 0 of 13 In Progress	85% 11 of 13 Outstanding
003 - Heights and Confined Spaces Screening	20% 1 of 5 Complete	0% 0 of 5 In Progress	80% 4 of 5 Outstanding
004 - Skin Screening	42% 5 of 12 Complete	8% 1 of 12 In Progress	50% 6 of 12 Outstanding
005 - Audiology Screening	0% 0 of 5 Complete	20% 1 of 5 In Progress	80% 4 of 5 Outstanding

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Improving participation

- Education
- Discussion
- Medic Involvement



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OR



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Remove All the Risks ?

- Dermatitis 3 - step skin care
Worldwide access to same product



- Software & hardware for monitoring HAVS



- Low Vibration Tools

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REINVENT WHEEL OR COPY INDUSTRY?

- Mining
- Heavy Engineering
- Tools
- Software
- Procedures





seabed-to-surface

www.subsea7.com