

IOM



working for a healthy and sustainable world

Expert Witness Capabilities

Asbestos

Epidemiology

Ergonomics

Occupational
Hygiene

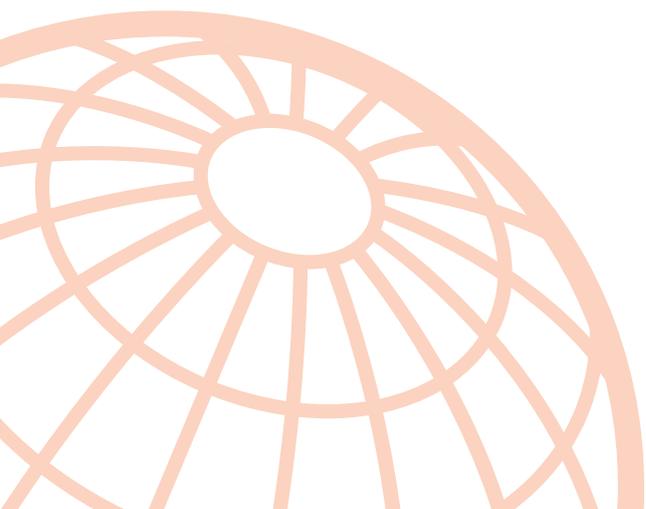
Offering an impartial perspective on your case, the IOM expert witness team is an authoritative source of information. Helping you to understand the potential culpabilities of both parties as well as giving you an accurate assessment of opponents' arguments.

Providing independent expert guidance, insights and unbiased opinions, based on decades of experience and an understanding of the finer points of their specialist areas.

Our expertise covers: asbestos, ergonomics, biological agents, human and environmental factors, nanomaterials, chemical risks and occupational health.

Our expertise covers: asbestos, ergonomics, biological agents, human and environmental factors, nanomaterials, chemical risks and occupational health. Our experts are routinely instructed to provide opinion on occupational, para-occupational, domestic and environmental risks.

To provide fully informed opinions, we draw on a substantial library of historic and contemporary guidance and reference materials.



Our Experts



**Professor
Damien
McElvenny**

Epidemiology



**Dr Alan Dickson
Jones**

Asbestos



Jane Tierney

Asbestos



**Dr Andrew
Phillips**

Asbestos

Occupational Hygiene



Bill Maxwell

Asbestos



Andrew Stelling

Asbestos

Occupational Hygiene



Dave Usher

Ergonomics



Martin Dippnall

Asbestos

Occupational Hygiene



Julian Bugler

Occupational Hygiene



**Professor
John Cherrie**

Asbestos



**Dr Graeme
Hughson**

Asbestos

Occupational Hygiene



Emma Pennington

Occupational Hygiene



Prof Damien McElvenny

Principal Epidemiologist

SUMMARY

A highly skilled epidemiologist and biostatistician, Damien has 35 years' experience working on the statistical analysis of occupational and public health data as it relates to occupational and clinical epidemiology.

His recent research work includes cancer in the lead, hardmetal, glass-reinforced plastics and rubber industries; trauma and cancer, shift work and cancer, man-made mineral fibres, titanium dioxide, respiratory health surveillance, and COVID-19 and occupation. He is currently the IOM lead to examine the long-term cognitive effects of concussion and heading footballs on the neurological health of professional sportsmen and on examining the interplay between health and work in older workers. In addition Damien is or has recently been involved in consultancy projects in the entertainment, construction, aluminium, steel fabrication, fire-fighting and metal casting industries.

QUALIFICATIONS

Doctor of Philosophy (PhD), Epidemiology, London School of Hygiene and Tropical Medicine

MSc Statistics, University of Sheffield

BSc (Hons) in Statistics, Newcastle University

PROFESSIONAL AFFILIATIONS

Honorary Fellow, Faculty of Occupational Medicine, 2022-present

Chartered Statistician (CStat) and Fellow of the Royal Statistical Society, 1993-present

International Commission on Occupational Health (EPICOH)

Secretary UK/Ireland Occupational and Environmental Epidemiology Society

EXPERIENCE

Professor McElvenny's expertise comes from his involvement in national and international occupational epidemiological projects. During his career, he has been a senior statistician providing impartial advice to legal entities, industry, policymakers, education, and health bodies, on occupational ill-health within the workplace principally due to chemical exposure.

Throughout his career, Damien has carried out national and international epidemiological studies examining health risks from workplace activities on both a consultancy and research basis. This has involved leading multi-disciplinary teams of statisticians, exposure scientists, data scientists and human factors experts. He has over 100 research outputs listed in Google Scholar.

AREAS OF EXPERTISE

Epidemiology

- Meta-analyses and systematic reviews
- Occupational epidemiology
- Disease cluster investigations
- Medico-legal reports (statistical and epidemiological)
- Risk assessment
- Health impact assessment.



Dr Alan Dickson Jones

Senior Consultant

SUMMARY

Alan is one of the UK's leading experts on issues relating to health risks from exposure to asbestos fibres.

Specialising in occupational research and consultancy within health and safety for over 40 years, of particular interest is his work relating to quantitative and retrospective estimations of health risks as a result of asbestos exposure.

He has provided reports and advice on asbestos exposure and associated health risks to international companies, universities, government and local authorities. His expertise has seen him called upon to provide expert witness reports for English and Scottish courts in over 270 asbestos-related cases.

QUALIFICATIONS

BSc (Hons), Physics, University of Durham

M.Phil, Faculty of Engineering, Nottingham University

PhD, Faculty of Engineering, Nottingham University

PROFESSIONAL AFFILIATIONS

Member of Faculty of Asbestos Assessment and Management (MFAAM)

EXPERIENCE

Alan's early career as a Research Scientist was in engineering research and development with the UK coal industry. From 1979 he was involved in studies on asbestos research including measurement techniques for airborne fibres, toxicology, and deposition and clearance of inhaled fibres. This work saw considerable practical experience gained within industry including asbestos textile manufacturing and asbestos cement production.

An IOM Section Head in Research Division for 16 years, he led the Division in strategic terms till 2006. This role saw him lead on and undertake valuable UK and European research into the toxicology of fibres; retention, and clearance and risk as related to asbestos exposure.

A Research Board member and IOM Senior Consultant, he continues to undertake consultancy work with industry to develop guidance and best practice around asbestos and risk. He has published 116 papers and reports, including more than 50 relating to asbestos or other fibres.



AREAS OF EXPERTISE

Asbestos

- Asbestosis, mesothelioma and lung cancer
- Retrospective risk
- Mineral and other fibres.





Jane Tierney

Senior Consultant and Asbestos Specialist

SUMMARY

A skilful asbestos specialist, Jane has over 30 years' experience in related issues across domestic, commercial and industrial areas. Of particular note is her work on asbestos and contaminated land and understanding how to manage risk during land remediation projects.

An impartial expert witness, Jane specialises in asbestos contamination of land and the built environment and assessment of exposure for asbestos related diseases.

QUALIFICATIONS

BSc, Biochemistry, University College Dublin

Certificate of Competence in Asbestos (CoCA)

PROFESSIONAL AFFILIATIONS

Membership of Faculty of Asbestos Assessment and Management (FAAM)

Membership of The Society for Brownfield Risk Assessment (SoBRA)

National Organisation of Asbestos Consultants (NORAC)

EXPERIENCE

Jane's expertise comes from her roles as senior project manager and asbestos consultant working in exposure modelling, risk assessment, surveys and re-inspections, air monitoring and 4-stage clearance for remediation and demolition projects.

She has vast experience in asbestos awareness training across built environment and contaminated land projects, and in providing specialist advice on compliance, safe working environments, health and safety and policies and procedures.

Her initial IOM role was as leader on a 10 year project on the major uplift of tunnels.

Her team was responsible for reviewing and adding to the existing surveys of the entire site which included buildings, the underground network of 27km of London tunnels and secure areas. They were also tasked with assessing and auditing the asbestos remediation and analytical contractors and all sub-contractors where there was asbestos materials.

Her team carried out similar work across the UK.

She continues to provide specialist asbestos consultancy services.

AREAS OF EXPERTISE

Asbestos

- Asbestos retrospective risk assessments;
- Expert witness, CPR Part 35 compliant reports for:
 - Asbestos diseases claims including asbestosis, mesothelioma and lung cancer;
 - Breaches of statutory duty (legislation at the material time) in relation to asbestos surveys, analysis, remediation, duty to manage, asbestos land contamination



Dr Andrew Phillips

Senior Occupational Hygienist

SUMMARY

A highly skilled specialist in occupational health and safety, Andrew has over 40 years' experience in the field of exposure to substances in the workplace.

Of particular note, is his background within the HSE in which he occupied a number of operational and technical policy roles, with particular early focus on the working practices and conditions in the asbestos manufacturing sector. Other roles included topic leads for dusts and control issues including silica and being curator of HSE's occupational exposure data resources and leading HSE's occupational exposure input into pesticides and biocides regulatory activities.

Between 2011 and 2016 Andrew was employed by the European Chemicals Agency in Helsinki where he provided the topic lead for occupational exposure matters within the REACH framework.

His long-term experience as a regulator within health and safety compliance as well as UK and EU chemical regulation sees him provide expert opinion on topics related to hazardous dusts and chemical exposure.

QUALIFICATIONS

BSc (First Class Hons), Chemistry, Westfield College, University of London

PhD, Chemistry, Westfield College, University of London

Fellow Royal Society of Chemistry (FRSC CChem)

PROFESSIONAL AFFILIATIONS

Lifetime Honorary Member British Occupational Hygiene Society

Specialist Member of Faculty of Occupational Hygiene (specialism – chemicals (MFOH(S)))

EXPERIENCE

Andrew's career within the HSE began in the 1970s where he managed the occupational hygiene field consultant group laboratory in the South of England and gained significant experience of industry work practices and exposures to substances hazardous to health.

This led to inspectorate roles looking at the evaluation and assessment of workplace exposures and substance control. Representation at Advisory Committee level and the development of the UK National Exposure Database (NEDB) have cemented Andrew's expertise on human exposure domestically and overseas. At the IOM, Andrew is committed to ensuring the quality of science, competency and capability within the field of human exposure assessment.



AREAS OF EXPERTISE

Asbestos

Occupational Hygiene

- Human chemical exposure assessment in the workplace and within regulatory risk assessment
- Exposure to hazardous substances to health, including general chemicals, asbestos, silica, metals and the interpretation of related data.





Bill Maxwell

Senior Occupational Hygienist

AREAS OF EXPERTISE

Asbestos

- Asbestosis
- Mesothelioma and lung cancer
- Identification, assessment and management of workplace asbestos risk
- Asbestos removal and remediation works.

SUMMARY

Bill has over 30 years experience in occupational health and safety, and environmental consultancy, both as a technical consultant and director delivering specialist testing and advisory services.

He has specialised in the identification, assessment and management of workplace asbestos risk and in asbestos removal and remediation works. Of particular interest, is his work on the evaluation and control of workplace hazardous materials and assessment of emissions to the external environment from industrial sources.

An associate within IOM's expert witness team he consults in the field of asbestos surveying and removal practice and asbestos injury litigation.

QUALIFICATIONS

Certificate of Operational Competence in Occupational Hygiene (Cert. Occ.Hyg.)

Certificate of Competence Person (Asbestos) (CCP (Asbestos))

National Examining Board in Occupational Safety and Health Certificate

PROFESSIONAL AFFILIATIONS

Associate Member of The Institution of Environmental Scientists. (AMIEEnvSc)

Licentiate of the Faculty of Occupational Hygienists. (LFOH)

Member of the British Occupational Hygiene Society

EXPERIENCE

Bill's career began in asbestos consultancy project management undertaking surveying, site and laboratory based testing. From here he developed his expertise around measurement; evaluation and advice on environmental and workplace noise as well as that relating to exposure to hazardous substances in the workplace.

Significant experience in major asbestos surveying and management projects was gained within occupational hygiene, safety and environmental consultancy roles for the likes of BT plc and Magnox. This period also saw him responsible for company working procedures in legislative and technical terms as they related to asbestos and occupational hygiene consultancy, and stack emissions testing.

He brings to his role within IOM's expert witness team, this considerable expertise and knowledge.



Andrew Stelling

Senior Occupational Hygienist and Head of Expert Witness Services



SUMMARY

With a strong academic and consultancy background in the field of asbestos and occupational hygiene, Andrew has 37 years' experience in analytical supervision; project management; emissions monitoring; occupational hygiene and asbestos surveys; and health and safety training across public and private sectors.

Of particular interest, his work since 2009 in the provision of expert reports and opinion to legal practitioners regarding occupational disease claims. This involves cases relating to exposure to chemical, microbiological and physical workplace agents and resultant diseases.

QUALIFICATIONS

BSc Hons Environmental Biology, University of Essex

PG Dip, Occupational Hygiene, University of Manchester

DipOH, Operational Competence in Occupational Hygiene

PROFESSIONAL AFFILIATIONS

Member of Faculty of Asbestos Assessment and Management (MFAAM)

Chartered Scientist (C.Sci)

Membership of the British Occupational Hygiene Society

Member of the Institution of Environmental Science (MIEnvSc)

Chartered Fellow of the Faculty of Occupational Hygiene (CFFOH)

EXPERIENCE

Andrew's career began in the 1980s as a Consultant Scientist with particular emphasis on asbestos identification and analysis across a number of London Councils and Health Authorities.

His consultancy work for both public and private sector clients developed, encompassing expertise in the fields of occupational hygiene; asbestos and environmental monitoring, as well as overseeing technical staff in each of these disciplines.

Working within the disciplines of occupational hygiene, asbestos and environmental emissions and contamination as a senior consultant and at director level has provided Andrew with the extensive knowledge and experience to become section head within the expert witness section here at IOM.

AREAS OF EXPERTISE

Asbestos

Occupational Hygiene

- Occupational asthma
- Bladder cancer
- Lead poisoning
- Irritant and allergic contact dermatitis
- Respiratory diseases
- Silicosis
- Exposure to irritant and asphyxiant gases
- Asbestos diseases including asbestosis
- Mesothelioma and lung cancer
- Breaches of statutory duty (Control of Asbestos Regulations).





Dave Usher

Senior Consultant – Ergonomics and Human Factors

SUMMARY

With a strong academic background in physics, Dave has over 20 years' consultancy experience in human factors, ergonomics and safety case development across industries ranging from health and manufacturing to nuclear, petrochemical and defence.

Of particular interest is his work in the analysis of human error and the quantification and prediction of human error probabilities. Further specialisms are Hierarchical Task Analysis and the development of computer tools for ergonomics assessments. His extensive experience has proved invaluable as an ergonomics expert and impartial witness in numerous legal cases in the Civil and Criminal Courts.

QUALIFICATIONS

D Phil, Department of Physics, University of York 1981

BSc Hons, Physics, Imperial College of Science and Technology, London

Fellow of the Chartered Institute of Ergonomics and Human Factors

PROFESSIONAL AFFILIATIONS

Registered Ergonomist with the Chartered Institute of Ergonomics and Human Factors, C.ErgHF

Chartered Member, Institute of Physics

EXPERIENCE

Dave's expertise comes from his pioneering work in human factors beginning in the 1980s within the electricity supply and defence industries. This evolved into his consultancy Interaction of Bath specialising in process control and Human-Computer interaction including emerging technologies such as speech recognition.

His ongoing interest has seen him undertake considerable work in training provision in Human Factors Integration as well as developing software for Human Factors analysis.

AREAS OF EXPERTISE

Ergonomics

- Ergonomic issues surrounding task design
- Workplace design
- Manual handling injuries
- Work-related upper limb disorders (including RSI)
- Human-computer interaction, and
- Biomechanical analysis of video footage.



Martin Dippnall

Senior Occupational Hygienist

SUMMARY

A highly skilled occupational hygienist and risk consultant, Martin has over 30 years of experience in worker health protection across a wide range of industries. He provides expert opinion on a wide variety of occupational disease claims for civil litigation cases in the UK.

Of particular interest, is his work in the assessment and control of workplace noise and vibration, and COSHH assessments.

QUALIFICATIONS

BSc (Hons) Applied Biology, Liverpool Polytechnic

Dip Professional Competence in Occupational Hygiene [DIP OH]

PGDip Occupational Health, Safety and Environmental Management

PROFESSIONAL AFFILIATIONS

Licentiate of British Institute of Occupational Hygienists

Full Member of British Institute of Occupational Hygienists

Graduate Member of IOSH (Grad-IOSH)

Chartered Member of the Faculty of Occupational Hygienists (CMFOH)

Registered Occupational Safety and Health Consultant (OSHCR)

Member of the Royal Society of Biology

Member of the Faculty of Asbestos Assessment and Management (MFAAM)

EXPERIENCE

Martin began his career in occupational hygiene consultancy services focusing on asbestos management; factory ventilation controls & testing, noise exposure and control; and employee training. Subsequently, he honed his research skills in epidemiological study design relating to retrospective exposure assessment methodology.

Moving into strategic risk management, insurance and employer liability within occupational health, he worked across the UK and Ireland. In this senior occupational hygienist and risk consultancy role, he covered chemical/pharmaceutical and general manufacturing sites; foundries; local authorities etc. for biological hazards, ergonomic issues, unusual working arrangements, COSHH compliance, asbestos/legionella risk management, and Health and Safety auditing.

His establishment of a consultancy business providing occupational hygiene services to businesses, local authorities and others, coincided with his appointment to the IOM senior consultancy team in 2015.



AREAS OF EXPERTISE

Asbestos

Occupational Hygiene

- Occupational hygiene/exposure assessment surveys (incl biological hazards)
- Noise
- Hand-arm vibration
- Chemicals
- Dust
- Fumes and gases)
- Strategic management review expertise (incl legionella; asbestos; COSHH/chemical hazards; hand-arm vibration and noise).





Julian Bugler

Senior Occupational Hygienist

SUMMARY

An occupational hygienist and freelance consultant to industry for over 30 years, Julian is a sought after and experienced expert witness on occupational disease claims for civil litigation in the UK.

Of particular interest, his work within occupational asthma; respiratory disease; occupational cancers; exposure to chemical hazards and dermatitis. His consultancy focus is predominantly on occupational hygiene.

QUALIFICATIONS

MA(Hons) in Chemistry, Wadham College, Oxford

MSc in Industrial Hygiene, University of Manchester

BEBOH Certificate in Occupational Hygiene (with credit)

BEBOH Diploma in Occupational Hygiene

PROFESSIONAL AFFILIATIONS

Chartered Chemist (CChem)

Member of the Royal Society of Chemistry (MRSC)

Chartered Member of the Faculty of Occupational Hygienists (CMFOH)

Chartered Scientist (CSci)

EXPERIENCE

Julian began his career as an industrial hygienist in 1978 carrying out research in the polyurethane foam industry and providing services to it and to the rubber industry. From 1987, Julian worked as a freelance occupational hygienist providing a diverse range of occupational hygiene consultancy services whilst developing his practice as an Occupational Hygiene expert witness.

From 1989, Julian was an associate of Morgan Finch and Partners before joining the IOM expert team in 2013. He continues to specialise in Occupational Hygiene claims.

AREAS OF EXPERTISE

Occupational Hygiene

- Occupational asthma
- Respiratory disease
- Occupational cancers
- Exposure to chemical hazards and dermatitis.



Professor John Cherrie

Principal Scientist

SUMMARY

An occupational hygienist for over 40 years, John is a sought after international scientific expert in the field of occupational and environmental epidemiological, with particular focus on human exposure assessment.

Of particular interest, is his research on the risk of occupational cancer. In addition, he has carried out research on occupational exposure to natural and synthetic fibres, dermal exposure to hazardous substances and air pollution. He is particularly interested in understanding the occupational cause of neurodegenerative disease.

QUALIFICATIONS

BSc (Hons), Physics, University of Edinburgh

PhD Occupational Hygiene, University of Aberdeen

Diploma, Occupational Hygiene, British Examining and Registration Board in Occupational Hygiene (Dip OH)

PROFESSIONAL AFFILIATIONS

Editorial Board for the Annals of Workplace Exposures Health

Member of Workplace Health Expert Committee of the Health and Safety Executive

Member of The Industrial Injuries Advisory Commission

Chartered Fellow of the Faculty of Occupational Hygiene (CFFOH)

EXPERIENCE

John's work on exposure to hazardous substances has contributed significantly to national and international occupational epidemiological studies, including with the International Agency for Research on Cancer (IARC).

A past-President of the British Occupational Hygiene Society (2007/08) and Emeritus Professor of Human Health at Heriot-Watt University, he sits on National and International Scientific Advisory Committees, and consults for industry, medico-legal cases and others.

With over 200 peer-reviewed scientific articles published he continues his long-standing research on exposure science here at the IOM. He is the senior author of the textbook, Monitoring for Health Hazards at Work, which is now in its 5th edition.



AREAS OF EXPERTISE

Asbestos

- Occupational cancer
- Neurodegenerative diseases
- Human exposure assessment
- Environmental and occupational epidemiology
- Dermal exposure
- Natural and synthetic fibres.





Dr Graeme Hughson

Senior Occupational Hygienist

SUMMARY

A professional occupational hygienist and safety practitioner with over 30 years of practical experience across a wide range of industries. Extensive experience of exposure assessment for workplace health risks, and associated national and international multi-site measurement programmes for hazardous substances.

Of particular interest, is his work on health hazard identification; exposure assessment for hazardous substances and physical agents. A sought after expert witness and consultant in the provision of advice and support to international industry associations, and civil litigation relating to occupational safety and disease.

QUALIFICATIONS

BIOH Dip, Professional Competence in Occupational Hygiene

NEBOSH Dip, Occupational Safety and Health

PhD, Occupational Hygiene, University of Aberdeen

PROFESSIONAL AFFILIATIONS

Chartered Member of the Institution of Occupational Safety and Health (CMIOSH)

Chartered Fellow of the Faculty of Occupational Hygiene (CFFOH)

EXPERIENCE

Graeme gained considerable experience in the field of workplace asbestos identification, monitoring, testing and removal in the early stages of his career as a Scientific Technician. This evolved into a leadership and training role, as a Senior Scientist at the IOM examining a wide range of physical agents and hazardous substances across a multitude of sectors.

His work on asbestos and workplace exposure legacy issues led to many years within International Oil and Gas projects leading on health and working environmental issues relating to the design and operation of such installations. This role forming the basis for his occupational hygiene and safety consultancy work for both public and private sector clients with particular focus on litigation as it related to ill health.

He brings this extensive scientific and industrial experience and knowledge to his role at the IOM as an independent consultant within our comprehensive expert witness service team.

AREAS OF EXPERTISE

Asbestos

Occupational Hygiene

- Hazard identification
- Exposure assessment for hazardous substances and physical agents
- Technical safety risk assessments.



Emma Pennington

Expert Witness Consultant

SUMMARY

A fully qualified Occupational Hygienist for over 12 years, Emma has wide-ranging experience across all areas of occupational hygiene and the assessment, surveillance, and control measures of chemical, biological, and physical hazard exposure as they relate to health.

In her role as a Specialist inspector for the HSE, this expertise was focused on the application of health and safety legislation. Where she offered regulatory support and technical advice in high hazard industries. Reducing the risks to health, and ensuring employer compliance.

Key areas of work have included that around Legionella and Local Exhaust Ventilation, of which she is a BOHS Examination Marker.

She has been an expert witness for criminal health and safety cases including those relating to exposures to isocyanates, asbestos, dichloromethane, carbon monoxide, and bioaerosols.

QUALIFICATIONS

BSc (Hons) Biological Sciences, University of Salford

Diploma of Professional Competence in Occupational Hygiene (Dip Occ Hyg).

Certificate of Operational Competence in Occupational Hygiene (Cert Occ Hyg)

NEBOSH Diploma in Regulatory Occupational Health and Safety

PROFESSIONAL AFFILIATIONS

Chartered Member of the Faculty of Occupational Hygiene (CMFOH)

Member of the British Occupational Hygiene Society

EXPERIENCE

Emma gained her expertise in her roles as a Specialist Inspector (Occupational Hygiene) HSE, and as both an in-house hygienist and occupational hygiene consultant.

She has significant experience in breaches of health and safety legislation, and in the provision of front-line technical support and guidance across all facets of occupational hygiene to improve workplace health. This has included the provision of expert analysis and assessment, and the preparation of specialist advice, reports, and briefs.

Emma has worked as an occupational hygienist throughout the UK and Europe in both on-site and consultancy roles. She has carried out market surveillance of non-CE marked PPE during the pandemic, investigated nicotine exposure in e-cigarette manufacture, and has been heavily involved in the production of HSE guidance on exposure to respirable crystalline silica, dichloromethane, foundries and health surveillance.



AREAS OF EXPERTISE

Occupational Hygiene

- Breaches of statutory duty in relation to COSHH, and the identification, assessment, exposure, and control of chemical hazards (dust, vapour and fumes)
- Biological hazards (Legionella)
- Ergonomic issues and physical hazards (noise, heat, and vibration).



Committed to making the world healthier and safer at work, IOM is a trusted advisor for organisations such as the NHS, HSE and AECOM. We investigate issues, offer independent guidance and provide informed solutions. Talk to IOM and find the solutions to your challenges today.

www.iom-world.org
iom@iom-world.org

IOM Head Office

Research Avenue North,
Riccarton,
Edinburgh,
EH14 4AP

Tel: 0131 449 8000

IOM Stafford

Brookside Business Park,
Cold Meece,
Stone,
Staffordshire, ST15 0RZ

Tel: 01785 333200

IOM Chesterfield

Tapton Park
Innovation Centre,
Brimington Road, Tapton,
Chesterfield, S41 0TZ

Tel: 01246 383110