



## Collaboration, the secret sauce to advancing Musculoskeletal Injury Prevention in Construction with 'Work Should Not Hurt.'

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The Institute for Work & Health (IWH) in Canada featured CHASNZ and our WSNH programme as a pivotal case study, as an example of how health and safety advocates can bring research to the worksite to promote positive change. Our presentation will demonstrate some of these initiatives alongside some of our key stakeholders and collaborators. Together we will discuss what made our collaboration successful, and what others can learn from it.

All health and safety professionals, industry and business leaders, researchers, and ergonomists. Demonstrate how collaboration with multidisciplinary teams and industry can develop practice tools to improve workplace safety.

We used principals of participatory ergonomics to drive our collaborative design sessions with stakeholders (e.g., scaffolding industry, industrial design, ergonomics, academics, and clothing and fabric technology). Using iterative design workshops, on-site ergonomics assessments, prototyping workshops, surveys, and leveraging industry advice from national tradeshow and conferences, we were able to develop a body protection solution to help prevent and reduce musculoskeletal injuries amongst scaffolders. (one solution of many we will cover)

Our world-first body protection solution is currently in its final design iterations and testing phase, undergoing patent.

Collectively we will discuss the power of collaboration demonstrating how organisations (of any size) can make a meaningful impact on workplace safety through inclusive and participatory practices.

### Learning Objectives

- Practical strategies for implementing participatory approaches to musculoskeletal injury prevention.
- Gain insights into the potential impacts of collaborative efforts, even with limited financial resources.
- The importance of just 'starting.'
- The power of a collation of the willing.
- Connections between ergonomics and profitability/productivity with health and safety as a welcome by product.
- ROI calculator for workplace Ergonomics interventions

Central to the success of WSNH is the invaluable partnership with ACC New Zealand (ACC), testament to shared vision and collaborative partnerships.

## Biography:



*Chris leads CHASNZ's 'human factors' approach and the WSNH programme. He promotes evidenced based initiatives for the construction industry with the aim to develop ways to address contributing factors causing health problems and not just obvious physical ones. Chris is a trained Occupational Therapist and Occupational Health Consultant working with employers and ACC on occupational health and safety including workplace analysis and worker assessment, workplace training and injury prevention and management. Chris has extensive experience in prevention and management of workplace musculoskeletal conditions and republished both the NZ OOS Management Guidelines, NZ Patient Handling Guidelines and the Manual Handling CoP.*



*Stephven is Principal Ergonomist for the WSNH Programme and has a unique skillset acquired in both New Zealand and England. He has a PhD (3D anthropometry, AUT), MSc (Ergonomics, Loughborough), PGDipErg (Ergonomics, Massey) and BSc (Psychology, Otago). Previously, he was a Senior adviser (HFE, WorkSafe NZ), Principal researcher and Research associate (Sports Performance Research Institute New Zealand, AUT), Research scientist (NZDF), HFE consultant (Bristol) and a director of a private consultancy. Stephven is also the Chair of the Human Factors and Ergonomics Society of New Zealand (HFESNZ) and a reviewer for the Journal of Applied Ergonomics and Human Factors.*