

Ergonomic Risk Modeling and Human Capability: The Need for Additional Models and Metrics

Richard Wyatt

Aon Risk Solutions
Huntsville, AL 35811 USA

Corresponding author's Email: Richard.wyatt@aon.com

Author Note: Dr. Richard Wyatt is a Senior Consultant with Aon Risk Solutions in Huntsville, Alabama. Richard holds a Ph.D. in Industrial and Systems Engineering from the University of Alabama-Huntsville, and is a registered professional engineer. He is a certified professional ergonomist and a certified safety professional and has 30 years' experience in Industrial Engineering, Quality Engineering, and Ergonomics.

Abstract: The financial justification and associated risk reduction aspects of ergonomics is lacking in the literature, and there is a need for more examples and case studies of successful projects that have resulted in lower insurance and associated costs. There is also a need for improved metrics to guide practicing field ergonomists in determining what jobs or tasks are truly in need of ergonomic interventions versus individual subjectivity or pain reports that may or may not be associated with the job.

With the continued rise in insurance costs, this need to be able to determine work-related risks versus personal risk is needed. This presentation will address issues of this type, with associated questions asked by ergonomists, safety managers, claim professionals and physicians.