Quick Tips

The Strain Index

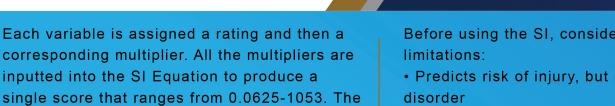


Supporting Your Investment in People



The Strain Index (SI) was proposed by Moore and Garg (1995) as a means to assess jobs for risk of work-related musculoskeletal disorders (WMSDs) of the distal upper extremities (hand, wrist, elbow). It was developed using existing knowledge of biomechanics, physiology, and epidemiology and is used to assess a job, not a person. The calculation is based on 6 task variables:

- Intensity of exertion
- · Duration of exertion
- · Efforts per minute
- Hand/wrist posture
- · Speed of work
- Duration of task per day



- ≤ 5
- Job is probably safe
- >5 and ≤ 10 Job may place individual at increased risk for distal upper

extremity disorders

Job is probably hazardous > 10

resulting score corresponds to these results:

Before using the SI, consider the following

- Predicts risk of injury, but not a particular
- Can be completed using qualitative estimates for 3 of 6 variables
- Multiple task analysis is not covered consisting of a variety of tasks such as a maintenance employee
- · Discriminating between 'light' vs. 'somewhat hard' for intensity of exertion appears to be critical

Please contact us if you'd like to learn more about The Strain Index and its effective use as a risk assessment tool in the workplace.