

Do Contractor Safety Assessment Program (CSAP) Scores Reflect Safety Climate?

Correlation between Safety Climate and Contractor Safety Assessment Programs in Construction

*Sparer EH, Murphy LA, Taylor KM, and Dennerlein JT.
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Overview

Contractor safety assessment programs (CSAPs) combine leading indicators, such as organizational safety policies, programs, and practices, with lagging indicators of safety performance (e.g., injury rates and experience modification ratings) to provide a safety performance metric. “Safety climate” scores measure worker perceptions of the priority of safety in a work environment. These scores correlate strongly with injury rates. The researchers tested the hypothesis that workers and safety managers in companies with high self-audit CSAP scores generate higher safety climate scores than workers and safety managers in companies with lower self-audit scores. However, their research found no statistically significant differences between the safety climate scores reported by workers across the high and low CSAP employer groups. Moreover, there were no statistically significant correlations between the safety managers’ safety climate scores and the workers’ safety climate scores.

Key Findings

- There were only weak correlations between workers’ safety climate scores and the contractors’ CSAP scores, with marginal statistical significance with one grouping of the data.
- There were no statistically significant relationships found between safety managers’ perception of safety climate and their company’s CSAP score.
- There were no statistically significant relationships found between safety managers’ perception of safety climate and workers’ perception of safety climate.

For more information, contact:

Jack T. Dennerlein: j.dennerlein@neu.edu

See abstract:

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