



Case studies on Occupational Health and Safety Management system (OHSMS)

1. **Essentia Health (Healthcare):**

Essentia Health, operating several hospitals and healthcare facilities in Minnesota, transitioned from paper-based to electronic records with the help of Occupational Health Manager (OHM) software. This change streamlined data management, allowing quicker reporting and improved injury prevention efforts. The adoption of digital tools enabled better analysis of incidents, identification of root causes, and proactive measures to address risks like patient handling injuries, slips, falls, and needle stick incidents. Essentia also noted a cultural shift where employees became more engaged in their health and safety practices after software training sessions, showing the value of both technology and continuous staff education in OHSMS success.

2. **Construction and Industrial Sectors:**

The construction industry often utilizes OHSMS to reduce the high incidence of workplace accidents. One study reviewed the adoption of sustainability-oriented health and safety management systems (S_OHSMS) across industries, highlighting that the construction sector sees a significant application of these systems. These efforts help organizations comply with standards like ISO 45001 and prevent costly disruptions caused by accidents. The focus on continuous risk assessment, training, and audits allows firms to maintain productivity while protecting employees from hazards.

3. **University of Gävle (Education):**

This Swedish university explored implementing OHSMS to align health and safety management with its existing environmental management system (ISO 14001). The study identified key factors such as management commitment, employee participation, and the integration of musculoskeletal disorder prevention. Although the university primarily focused on education, the analysis showed that adopting OHSMS could enhance the overall safety culture and better support staff and students' well-being.

These case studies illustrate that a well-implemented OHSMS not only ensures regulatory compliance but also promotes sustainability, efficiency, and workplace safety culture in diverse settings—from healthcare and construction to educational institutions