STRONGARM

StrongArm Tech's SafeWork System Validated to Reduce Cost of Workplace Injuries by 35%

StrongArm Tech's SafeWork System is trusted by more than 30,000 Industrial Athletes and dozens of Fortune 500 clients to keep their workforces Proud, Protected, and Productive.

The System utilizes a combination of IoT wearable safety sensors, data analytics and AI technologies to reduce the frequency and cost of high-risk musculoskeletal disorders (MSDs) and material-handling related injuries.

Now with multiple years of deployment data across clients spanning industries like manufacturing and fast-moving consumer goods, retail and distribution, the true impact of StrongArm's solution on the cost of workplace injuries has been confirmed.

Analysis recently completed by Barrett Actuarial Consulting validates the impact of StrongArm's SafeWork System on reducing the cost of workplace injuries using rigorous actuarial methods. The SafeWork System has already been validated by Oliver Wyman to reduce the frequency of injuries by up to 52% - now it has proven to significantly reduce the year-over-year cost of ergonomic injuries.
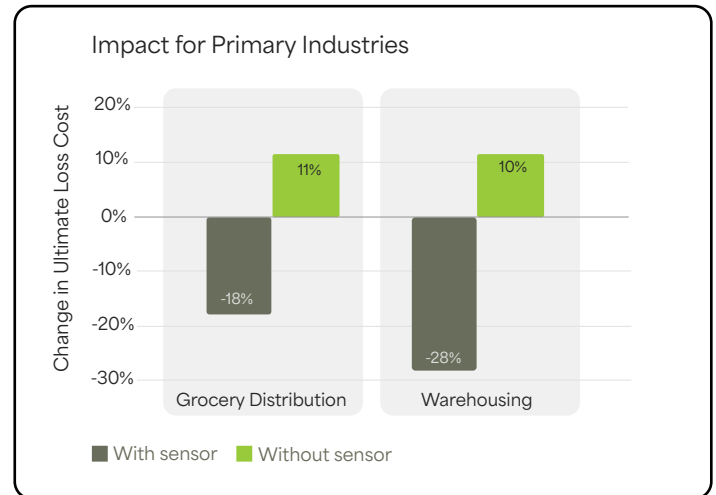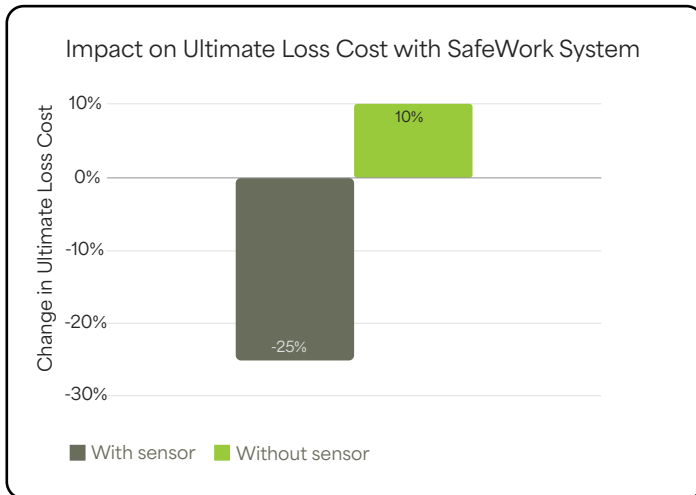
Today this is being used by the top workers' compensation carriers globally and enterprises alike as a total cost or risk reduction solution.

> " BAC's study has concluded that the SafeWork System reduces ultimate loss cost on targeted **injuries by 35% compared to control groups without the technology.**

Barrett Actuarial Consulting
A woman-owned insurance risk assessment firm led by Rose Barrett leveraging more than thirty years of industry experience.

Keeping Every Industrial Athlete…
Proud, Protected, & Productive.

STRONGARMTECH.COM

SafeWork System Reduces Ultimate Loss Cost on Targeted Injuries by 35%

Impact on Ultimate Loss Cost with SafeWork System

Change in Ultimate Loss Cost

10% · 0% · -10% · -20% · -30%

10%
-25%

■ With sensor   ■ Without sensor

Impact for Primary Industries

Change in Ultimate Loss Cost

20% · 10% · 0% · -10% · -20% · -30%

Grocery Distribution: -18%, 11%
Warehousing: -28%, 10%

■ With sensor   ■ Without sensor

Not only did the group wearing the sensor experience an overall reduction in claim cost, but the study uncovered that there was frequency reduction in every claim severity cohort; the largest such impact in claims over $50K.

Unique in its scale and scope, the first of its kind actuarial study spanned over 70 million hours worked, 5,000 system users and 15 different deployments across three years – each with a control population not receiving the technology.

This scale and approach was necessary to achieve actuarially-relevant results, compared with looking at short-term frequency trends. Additionally, the inclusion of control groups is necessary for any time-series injury analysis, especially considering the variability of claims imposed by Covid-19 in many workplaces.

As a result, industrial clients are now implementing StrongArm's system to reduce their incurred claim cost to drive both insurance and P&L savings.

To learn more about the study and StrongArm's SafeWork System and this validation, reach out to us at safety@strongarmtech.com.

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SafeWork System