



Findings Summary

Work Comp Insurance Carrier Initial
Findings with MākuSafe Workforce
Wearable Program Implementation

2021



MākuSafe Corp.
1201 Maple Street
West Des Moines, IA 50265

(515) 850-0995
www.makusafe.com



Executive Summary

MākuSafe partnered with a national workers compensation insurer to conduct industrial safety wearable technology pilots with policyholder groups in various industries. The pilots, ranging from 2 months to 6 months in duration have shown significant, real reductions in claims. The pilot data uncovered shows that in the policy holder groups, as engagement with MākuSafe increases:

- Total number of claims were reduced by 50%
- Claims frequency was reduced by 50%
- Claims severity was reduced by 90%

The following document shares the data from these policy holder pilots. If you are interested in more in-depth data or results, please contact us at contact@makusafe.com



Company A (@ 6 months)

- 87% decrease of indicators per active device from first half (1,206) to second half (159) of the trial
- 90% reduction in work comp claim severity - \$3,089 before MakuSafe, \$311 after
- Employee voice memo alerted management of equipment overload switch tripping, which likely prevented a \$10,000 (average for their SIC) equipment breakdown claim or possible fire.



Company B (@ 6 months)

- 30% decrease of indicators per active device from first half (454) to second half (317) of the trial
- 30% reduction in work comp claim severity - \$120,575 before MakuSafe and \$84,091 after
- Indicator disparity of work cells conducting the same work gave management the insight to investigate and identify ergonomic hazards present in the high indicator cell. If the corrective action prevents just a single overexertion injury in the work cell, that would be an \$18,000 loss avoided. (the company's average overexertion)



Company C (@ 3 months)

- 39% decrease of indicators per active device from first half (53.2) to second half (32.5) of the trial
- 91% reduction in work comp claim severity - \$10,051 before MakuSafe and \$899 after
- Employee voice memos were used to report slip-fall hazards and other employees not wearing the required slip-resistant shoes. A single slip-fall injury averages \$9,630 for this manufacturer.



Company D (@ 2.5 months)

- 3% decrease of indicators per active device from first half (100) to second half (96) of the trial
- 70% reduction in work comp claim severity - \$24,320 before MakuSafe and \$7,317 after
- Number of indicators leading management to completely overhaul their ergonomics program and collaborating with workers on task analysis to reduce unnecessary motions and force, which may result in significant operational improvements and lower work comp mod (currently 1.16)
- High CO2 levels help identify scrap wood burners not venting properly, where correcting chimney efficiency will have positive impact on worker health and performance



Company E (@ 2 months)



- 46% increase of indicators per active device from first half (57.5) to second half (84.2) of the trial
- 0 work comp claims since MakuSafe, but no claims 6 months prior either; they do average \$9,000/yr
- A device detected a trip. Management investigated and found the worker tripped on an air hose laying on the ground, so a hose reel was installed to eliminate the hazard. Preventing just a single trip-fall due to this improvement would be a savings of \$10,000 (the average trip-fall for their SIC group)

Company F (@ 2 months)

- 8% decrease of indicators per active device from first half (27.6) to second half (25.5) of the trial
- Work comp claim analysis not available, not a policyholder

