



INJURY STUDY PREVIEW:

BACK EXOSUIT REDUCES TOTAL STRAIN AND SPRAIN INJURY RATE

67%
reduction in total
sprain and strain
injuries compared to baseline rates

0
back injuries
were reported across all
exosuit users at all facilities

302k
working hours
by exosuit users



PROVEN RESULTS. MEASURABLE IMPACT.

HeroWear's latest study is an industry first, examining the long-term effects of exosuit usage on the total sprain/strain injury rate for workers in logistics.

These longitudinal results demonstrate a significant positive impact on workers. In 2024, HeroWear released a pioneering industry study showing back injuries dropping to zero through more than 281k hours of work after HeroWear Apex 2 exosuits were adopted. This year, a new longitudinal dataset was aggregated to explore further exosuit impacts, not just on the back, but across the entire body by examining total musculoskeletal sprain/strain injury rates.

This new dataset represents the largest long-term injury study on exosuits to date. This longitudinal evidence adds to more than 30 peer-reviewed studies that have also concluded that HeroWear exosuits reduce musculoskeletal loading, fatigue, and ergonomic injury risks for workers and improve worker wellbeing.

Data study note:

Case-picking workers at warehouses for four HeroWear clients participated in a long-term field study using the Apex 2 back-assist exosuit. Exosuit use ranged from 8 to 23 months at each site, totaling more than 302k work hours after exosuit deployment, equivalent to 151 full-time workers using exosuits regularly for 1 year. Clients tracked and provided their own injury data, before and after exosuit deployment, based on their recordable musculoskeletal incident rates. HeroWear de-identified and aggregated the client data across facilities involved in food distribution, manufacturing, and general warehousing.

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