



SHUTTLESLING 
Healthcare Division of Greenberg Ltd.

COMPANY PROFILE

The NHS Workforce Challenge

MSK injuries are the top cause of NHS sickness absence, driving pain, burnout, agency spend, and reduced patient throughput. ShuttleSling tackles the root cause manual strain during transfers.

1.1. Scale of the Problem

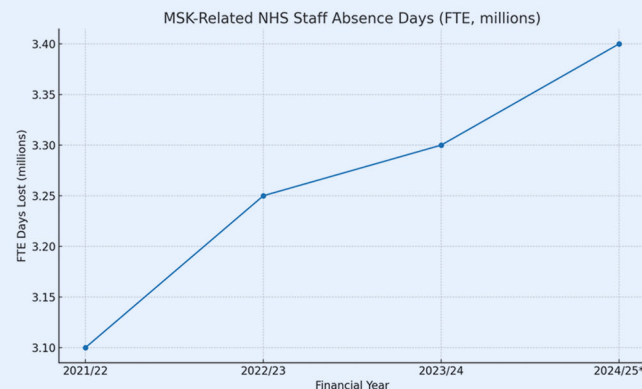
~13% of absences are MSK-related (~3.25M FTE days in 2024), fuelling backlogs and lost capacity.

1.2. Why It Matters for Flow

Injuries reduce rota resilience and extend stays; safer transfers improve flow and discharge.

1.3. Scale of the Problem

Absence rates remain high, showing the need for prevention, not just treatment.



MSK-related NHS absence days – trend (last point indicative).

The Financial Burden

MSK costs a Trust hundreds of thousands each year and the NHS billions nationally.

2.1. Duty of Care & Compliance

ShuttleSling as PPE supports MHOR 1992, HSWA 1974, and LOLER compliance, cutting risk exposure.



A man in a light blue hospital gown is seated on a gym machine, demonstrating the ShuttleSling. The machine has a weight limit of 150 kg. The man is holding a vertical strap that is part of the sling system. The background is a bright, modern gym or clinic setting.

Introducing ShuttleSling

A patented, gown-like sling worn continuously to minimize repeat applications. Compatible with standard hoists. Supports single-person operation, maintaining dignity and speed without compromising safety.

3.1. Design Highlights

Low-shear textiles, secure points, antimicrobial option, 100+ washes.

3.2. Compatibility & Set-Up

Works with standard hoists; no new capital costs; minimal training.

Operational Benefits

ShuttleSling delivers system-wide efficiency: safer handling, reduced staff dependency, and faster transfers across all care settings.

4.1. Single-Person Operation

Frees ward capacity while ensuring safe transfers.

4.2. Inclusive Bariatric Care

Supports patients up to ~500kg, reducing specialist kit needs.

4.3 .Across the Care Pathway

From ambulance to home, one sling ensures continuity and less rehandling.



Expected Outcomes

Proven safe handling principles show ShuttleSling can reduce injuries, boost morale, and improve patient flow.

5.1. Injury Reduction Evidence

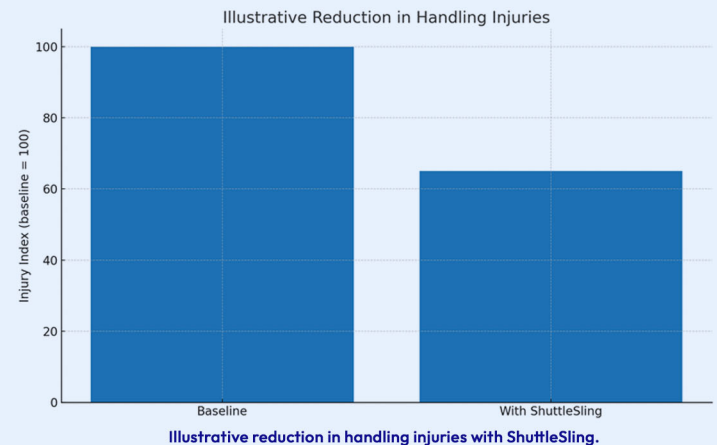
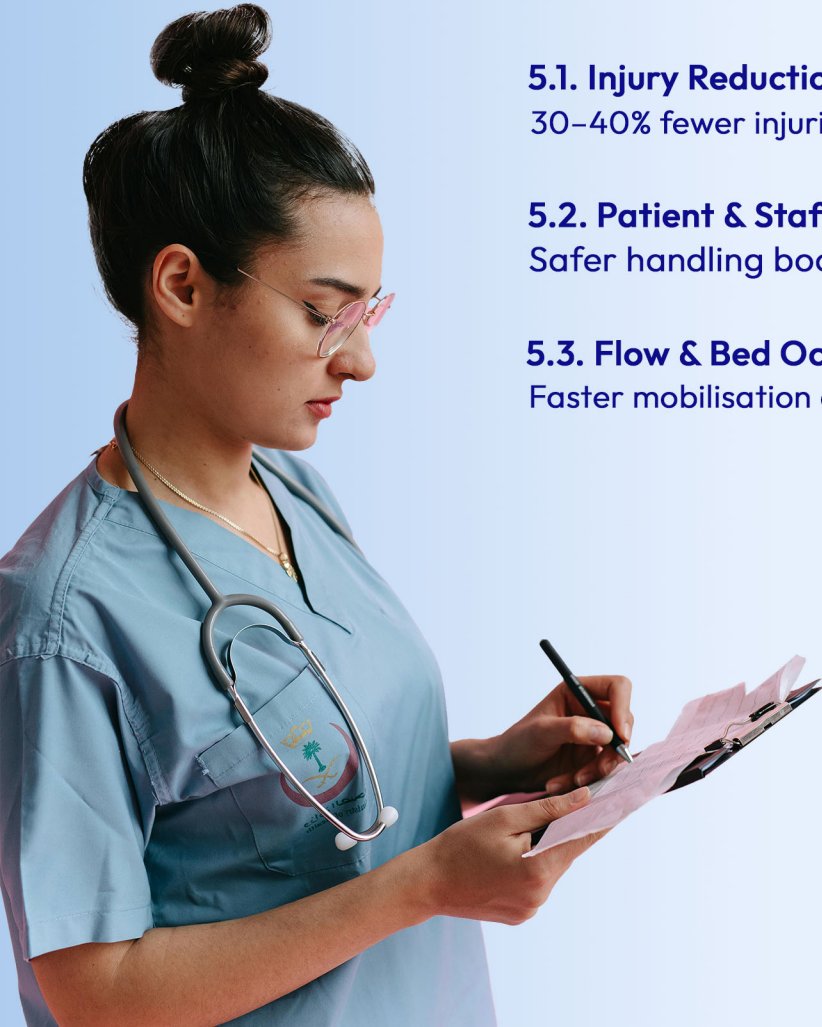
30–40% fewer injuries, fewer absence days.

5.2. Patient & Staff Satisfaction

Safer handling boosts morale, retention, and patient dignity.

5.3. Flow & Bed Occupancy Gains

Faster mobilisation aids discharge and reduces bed pressures.



Financial Case

MSK costs the NHS £billions; ShuttleSling prevents incidents, delivering rapid ROI and systemic savings.

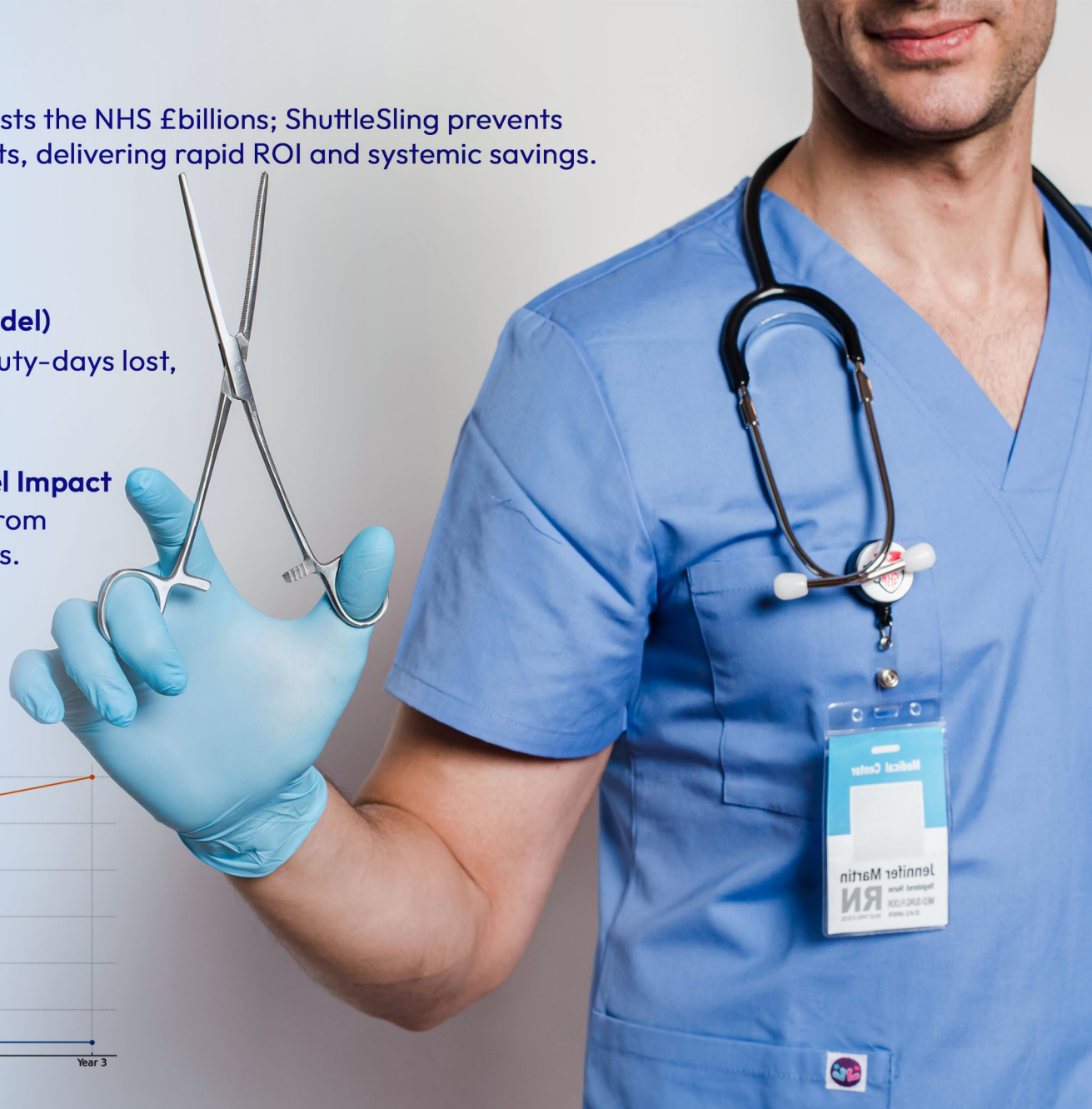
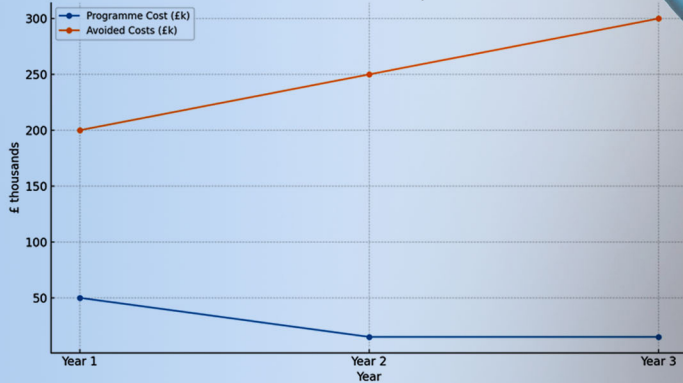
6.1. Illustrative ROI (3-Year Model)

Payback from fewer injuries, duty-days lost, and agency reliance.

6.2. Ward-Level vs. Trust-Level Impact

Savings multiply when scaled from ward to Trust, unlocking millions.

Illustrative 3-Year ROI per Trust



Implementation Roadmap

Structured rollout with pilots, training, and feedback.

7.1. Pilot & Evaluation Plan

6–12 months; track injury rates, absence, time, and satisfaction.

7.2. Training & Clinical Champions

1-hour micro-learning plus clinical champions.

7.3. Data Collection & Feedback Loops

Data, staff surveys, and rapid PDSA cycles.



Adoption Pathways

ShuttleSling is designed for seamless NHS adoption through existing funding, procurement, and policy frameworks.

8.1. Funding Routes (NIHR i4i, SBRI, Innovate UK)

Aligns with NIHR i4i, SBRI, NHS Supply Chain, and Innovation Service.

8.2. NHS Supply Chain & Innovation Service Alignment

Rapid procurement onboarding, lowering barriers to adoption.

8.3. Policy & Framework Fit

Supports NHS Workforce Plan 2024, MHOR, HSWA compliance.





Risks & Mitigations

Adoption challenges are anticipated, but clear strategies ensure smooth rollout and staff buy-in.

9.1. Resistance & Change Fatigue

Co-design, nurse champions, simple training.

9.2. Infection Control & Stock Management

Durable, antimicrobial, clear laundering SOPs.

9.3. Mitigation Strategies

Funded pilots, union engagement, staff feedback cycles.

Training & Implementation → 1-hour micro-learning + hands-on practice, supported by clinical champions and SOPs.

Risks & Mitigations → Tackle change fatigue, IPC, and stock issues through co-design, early sign-off, clear laundering, and ongoing education.

Wider Value

Beyond safety and savings, ShuttleSling supports NHS priorities in sustainability, inclusivity, and staff wellbeing.

10.1. Sustainability & Net Zero

Durable, reusable design reduces waste and supports the NHS Net Zero roadmap.

10.2. Equity & Inclusivity

Inclusive sizing, including bariatric support, ensures safe handling for all patients.

10.3. Union & Workforce Alignment

Backed by staff wellbeing goals and unions, ShuttleSling strengthens NHS duty of care.

Sustainability & Equity → Durable, reusable design cuts waste; inclusive sizing ensures safe handling for all.

Call to Action

Let's co-design a pilot: ShuttleSling + training + evaluation support.

11.1. Next Steps for NHS Partners

Identify pilot sites, agree metrics, secure funding.

11.2. Contact & Collaboration

For pilot discussions or partnership enquiries:

✉ info@shuttlesling.com





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ShuttleSling Ltd.

Flockton House, Audby Lane,
Wetherby, United Kingdom, LS22 7FD.

☎ 07584 418875

☎ 01423 369284

✉ sales@shuttlesling.com

