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Complicated Manual Handling Simple Prevention

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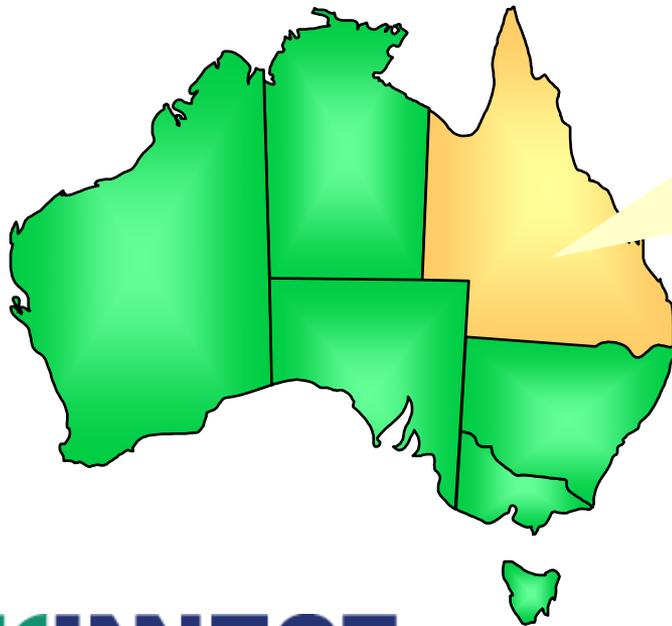
Outline

- Newlands Northern Underground
- Need to do something different
- Newlands - KINNECT STIP
- Method
- Outcomes
- Conclusion
- Take home message



Newlands Northern Underground

- Bowen Basin, QLD ~ 200km NW Mackay.
- 400 employees and contractors
- Longwall and Development



Need to do something different



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Newlands - KINNECT STIP

Soft Tissue Injury Prevention

Listen & Understand

Work with them

Don't try to make them perfect

Bang for Buck



The job is the job

But luckily people are individuals!



Method

THINK Outside
the BOX



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Method cont.

- **Stage 1 – On the job engagement**
(confidentiality, learn from expertise, simple interv. for discomforts WAI)
- **Stage 2 – Theory, realistic job simulation, one on one consult (individual coaching) based on identified risk**
(engaging, realistic, specific risks with simple strategies)
- **Stage 3 – practical job coaching looking at individuals plan and its progression**
- **Stage 4 – review of care and maintenance**



Method Cont. Timeline

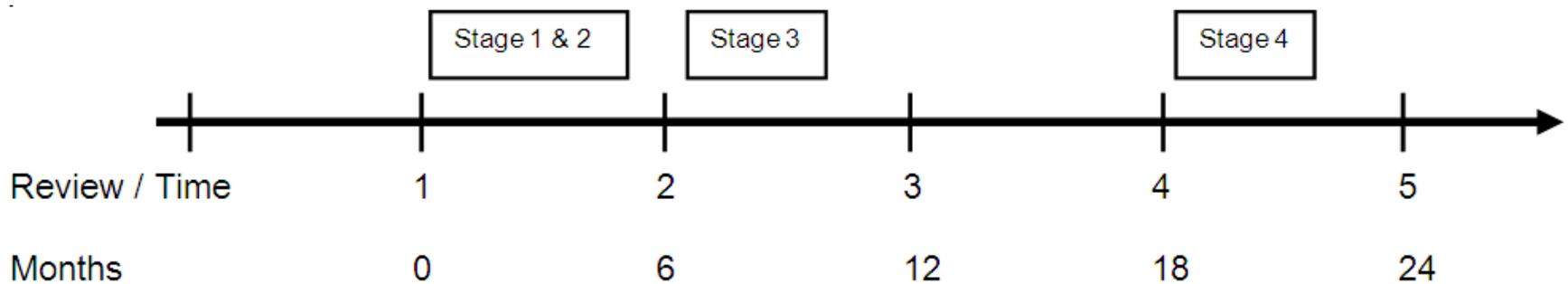


Figure 1: Timing of outcome assessment and the roll-out of stage 1-4.



Measuring Outcomes

- Lost time injury frequency rate (LTIFR)
- Total recorded incident frequency rate (TRIFR)
- Disabling injury severity rate (DISR)
- = > 25% considered significant

Qualitative - discomfort surveys, feedback forms and follow up Interview.



Outcomes

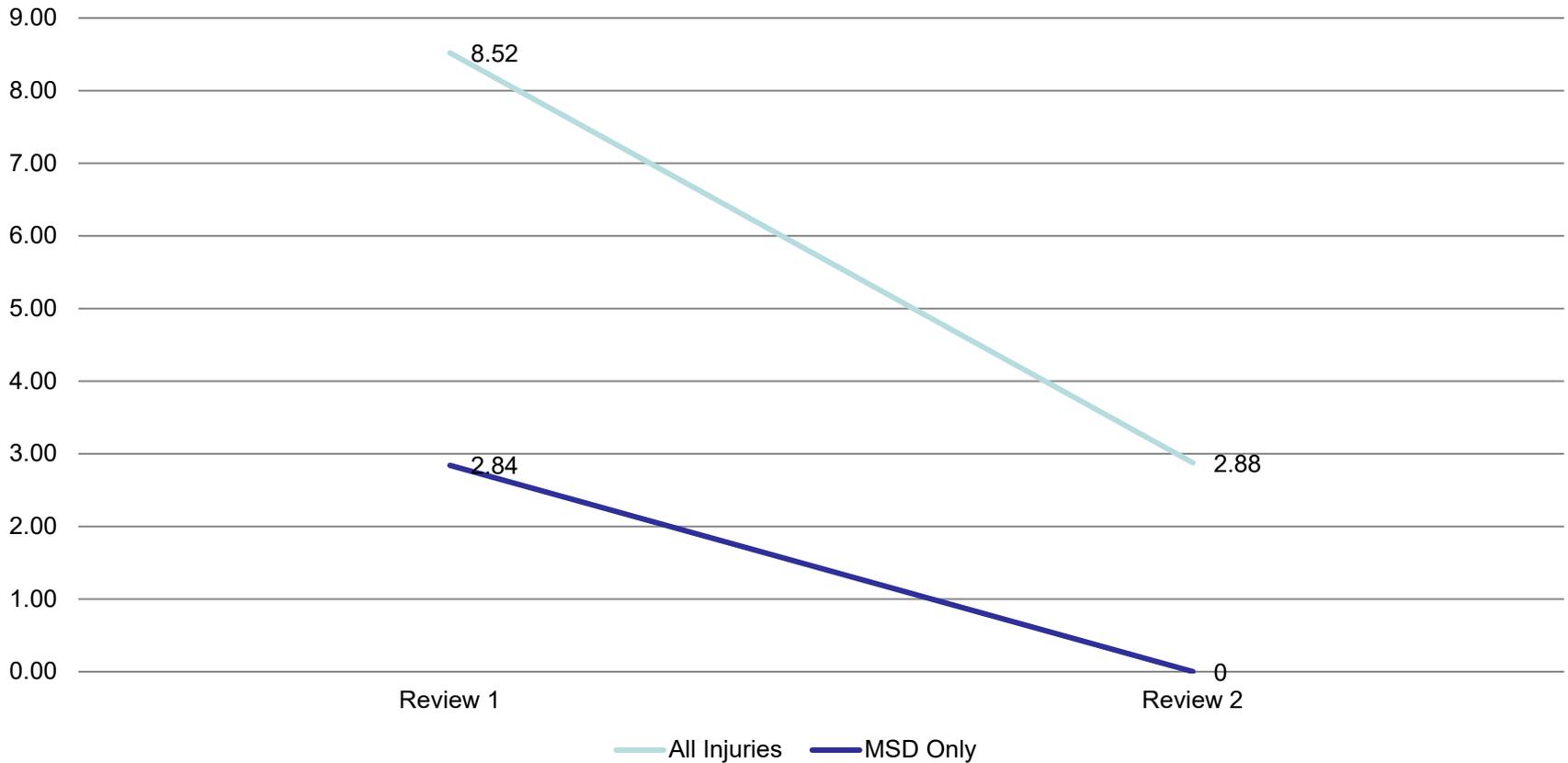


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Lost Time Injury Frequency Rate

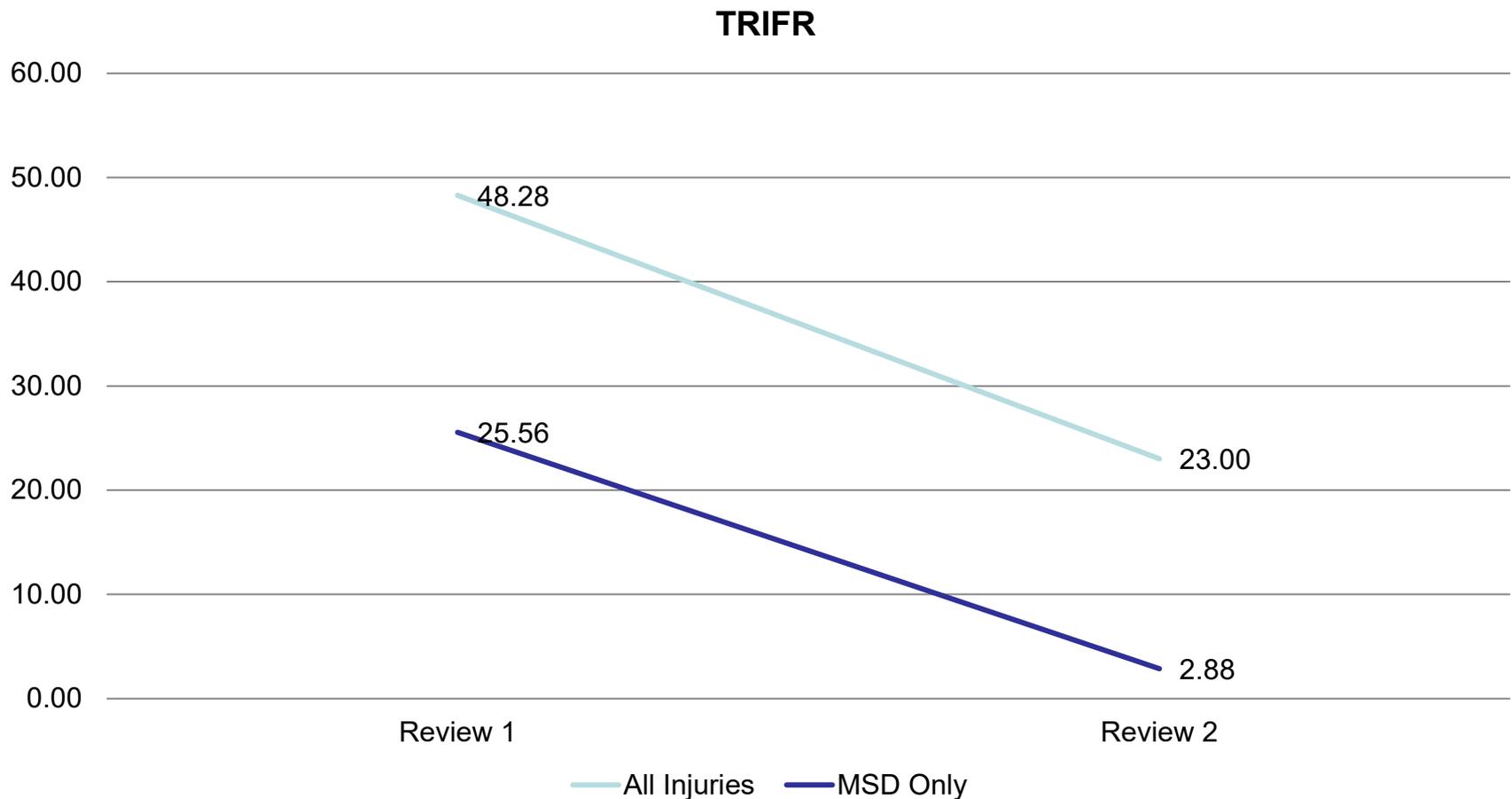
LTIFR



LTIFR: Number of Lost Time Injuries multiplied by 1 million hours divided by hours worked in time period.



Total Recorded Incident Frequency Rate

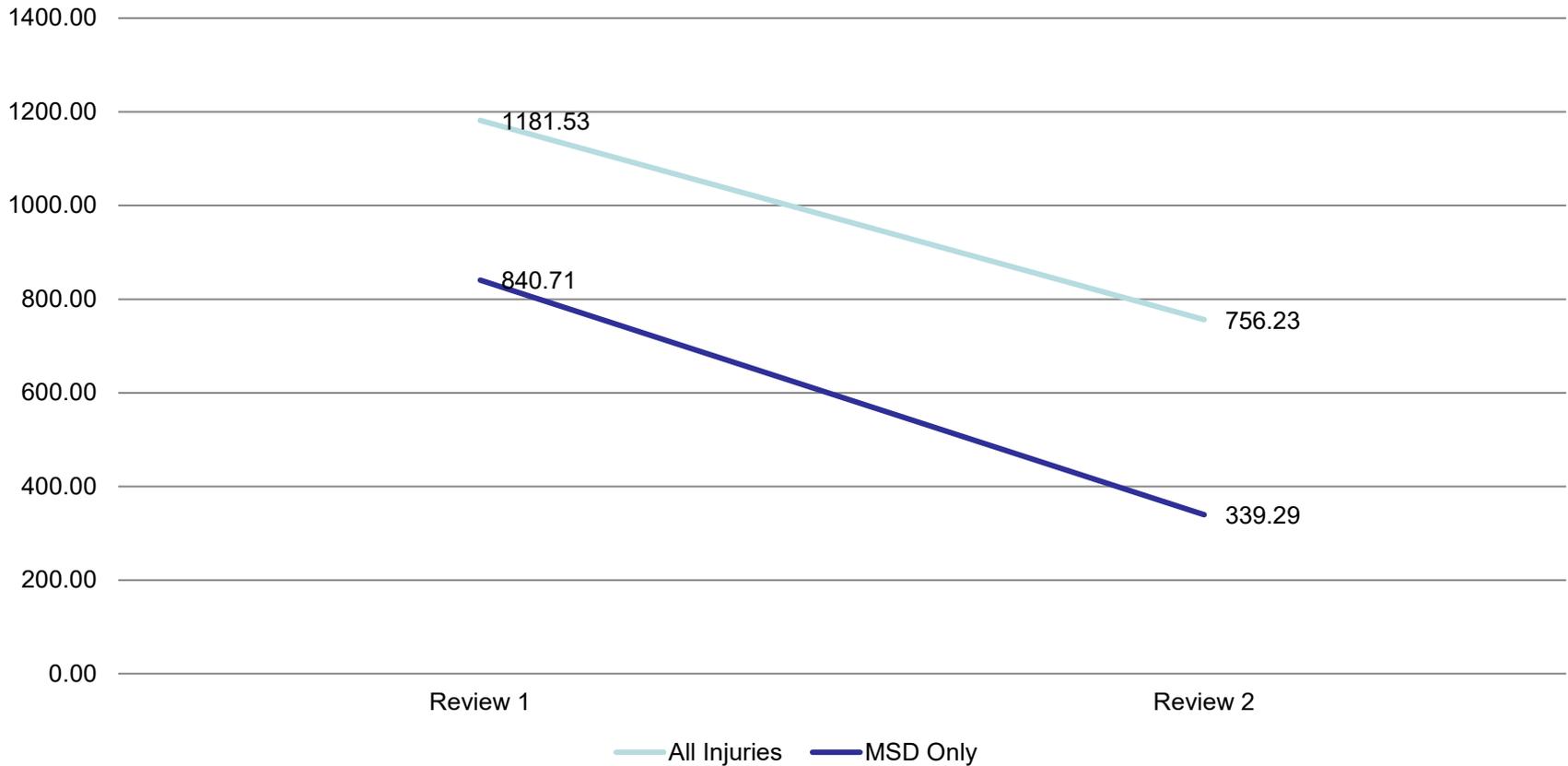


TRIFR: Number of Lost Time Injuries, Restricted Work Injuries and Medical Treatment injuries multiplied by 1 million hours divided by hours worked in time period.



Disabling Injury Severity Rate

DISR

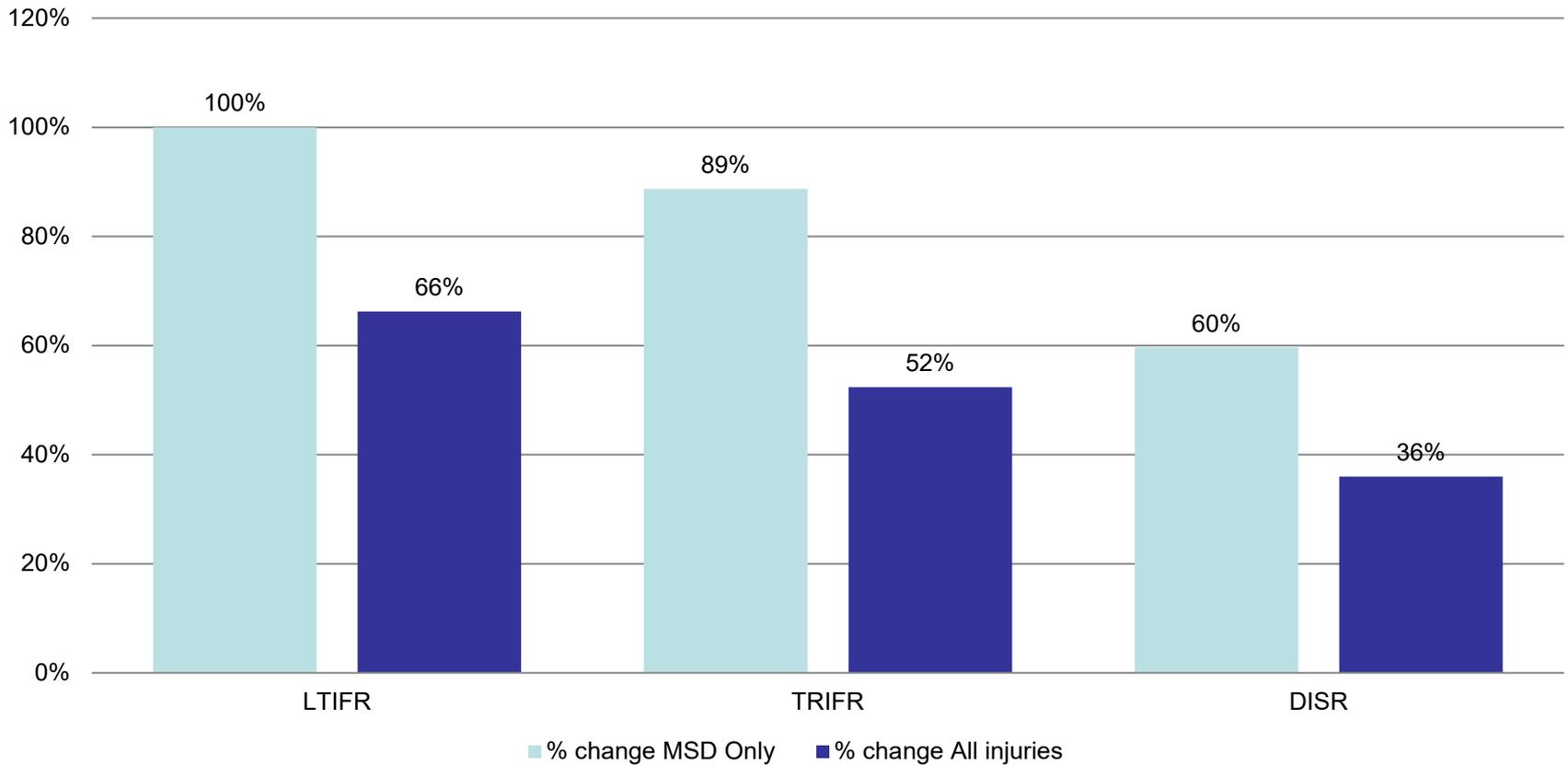


DISR: Number of days (lost and restricted) multiplied by 1 million hours divided by hours worked in time period.



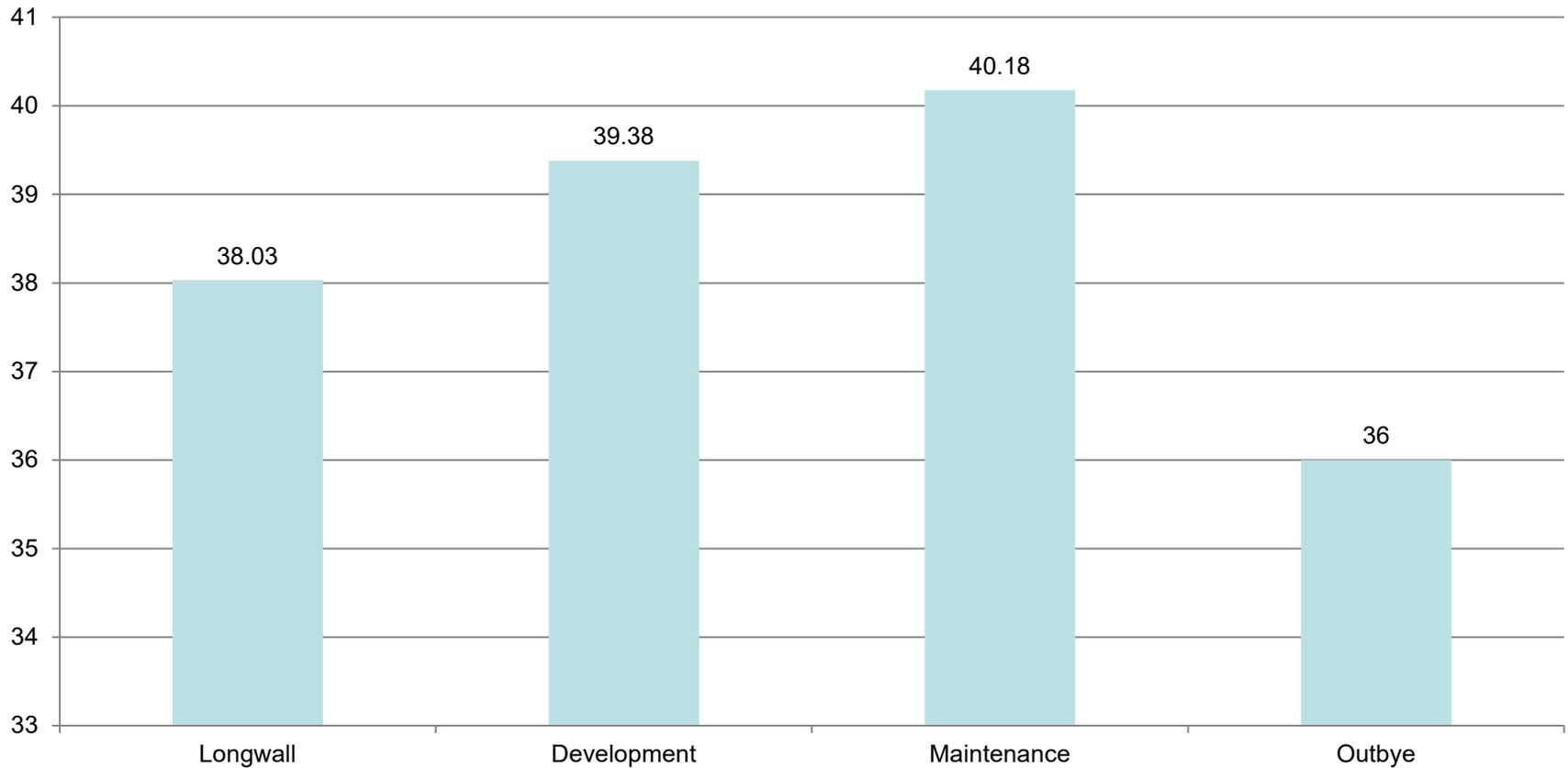
Key Performance Indicators

% Change KPI's



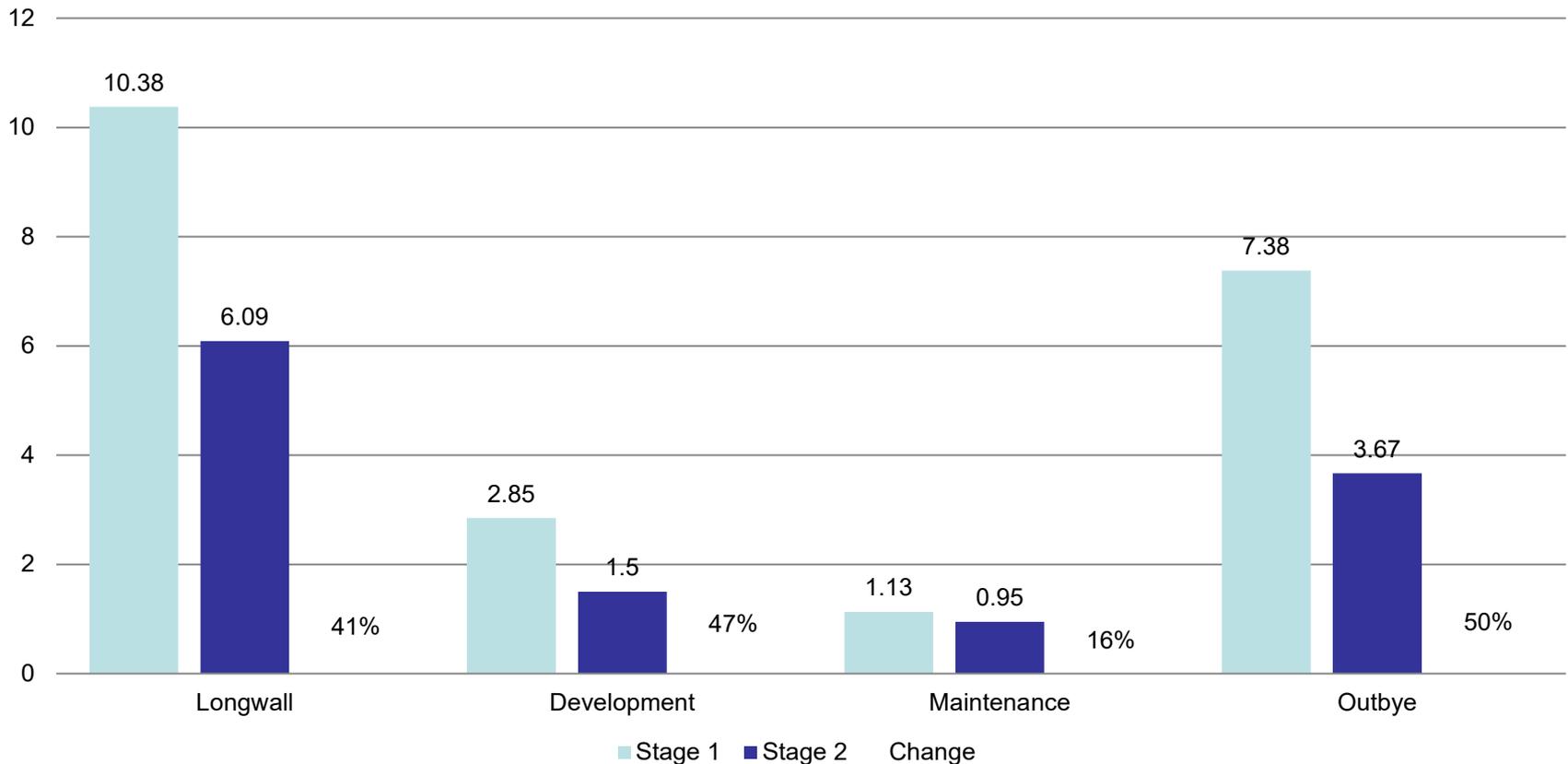
Work Ability Index

Work Ability Index



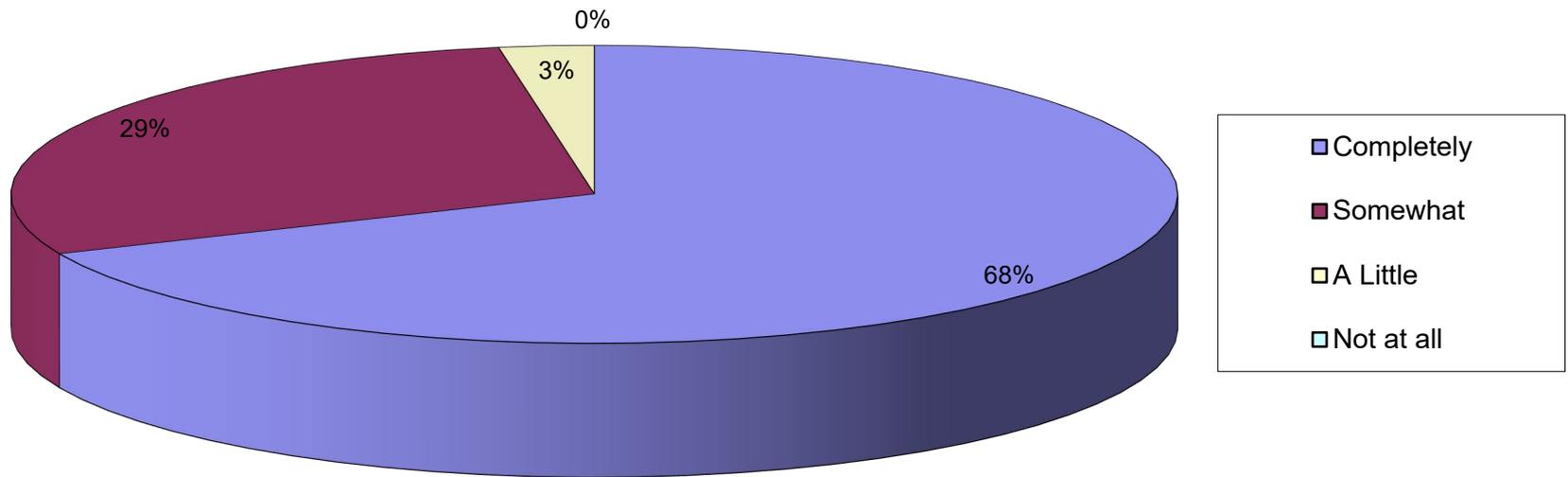
Discomfort Survey Scores

Discomfort Survey Scores



Feedback Back Forms

Will you use the information you received?



Individual Crew Rep

- Follow-up interviews suggested improved communication when completing tasks between crew members, particularly regarding appropriate technique for any given task.



Conclusion

- Reductions in LTIFR, TRIFR DISR in both MSD's and all injuries
- Qualitative comments suggested positively received
- Is demonstrating durability



Take Home Message

Simple individualised and practical behavior change with care and maintenance is key



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Questions

