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Complicated Manual Handling Simple Prevention

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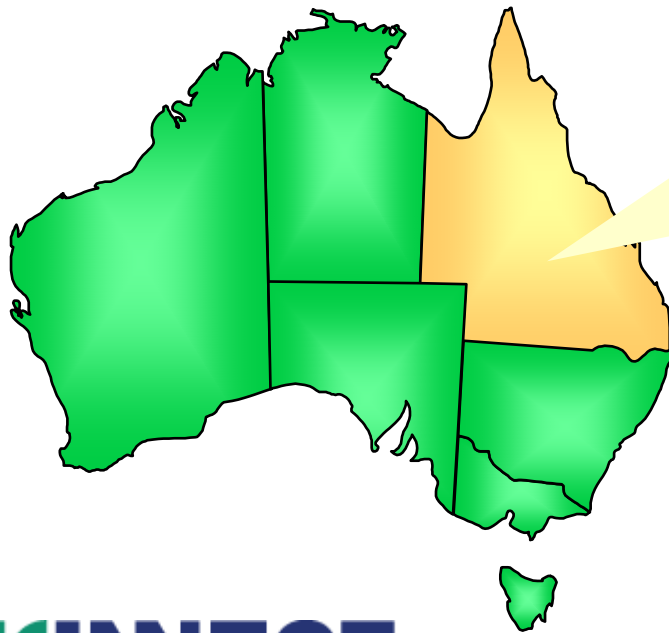
Outline

- 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



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The job is the job

But luckily people are individuals!



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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

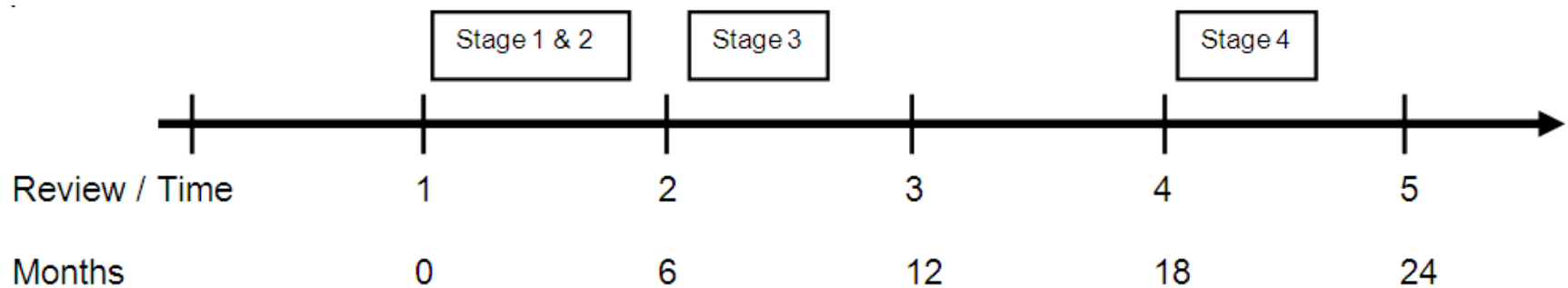


Figure 1: Timing of outcome assessment and the roll-out of stage 1-4.



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.



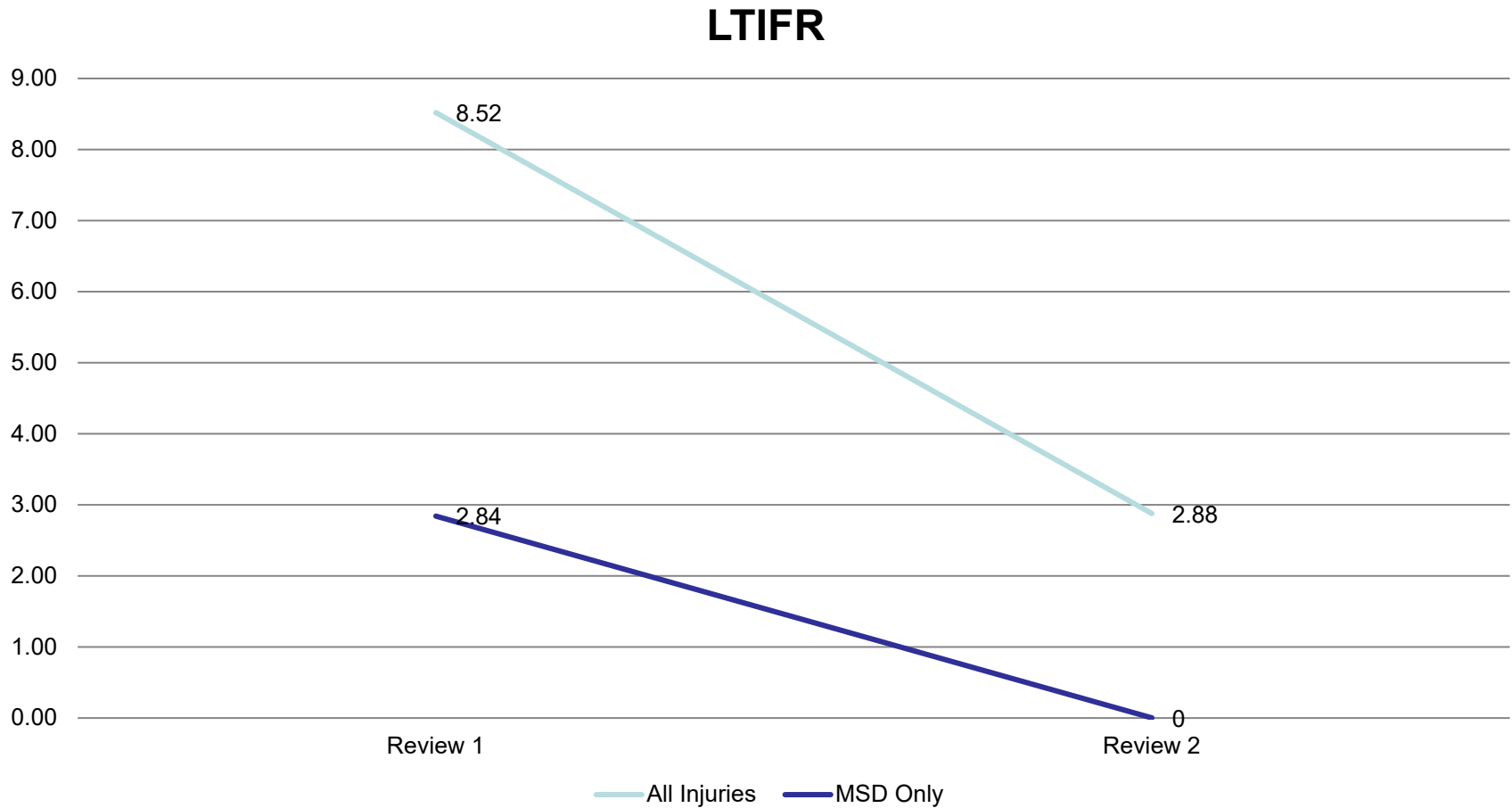
Outcomes



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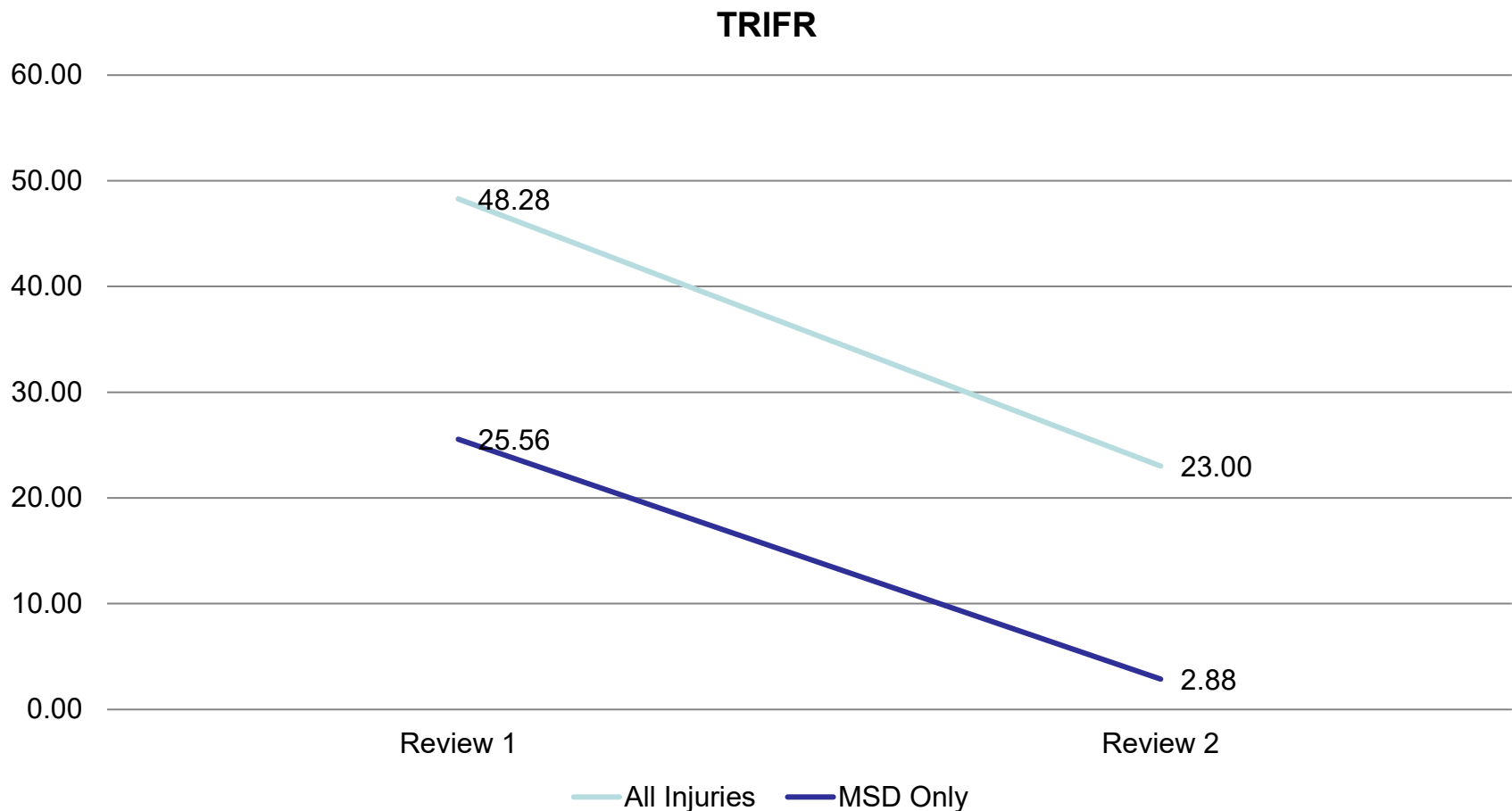
Lost Time Injury Frequency Rate



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



Total Recorded Incident Frequency Rate

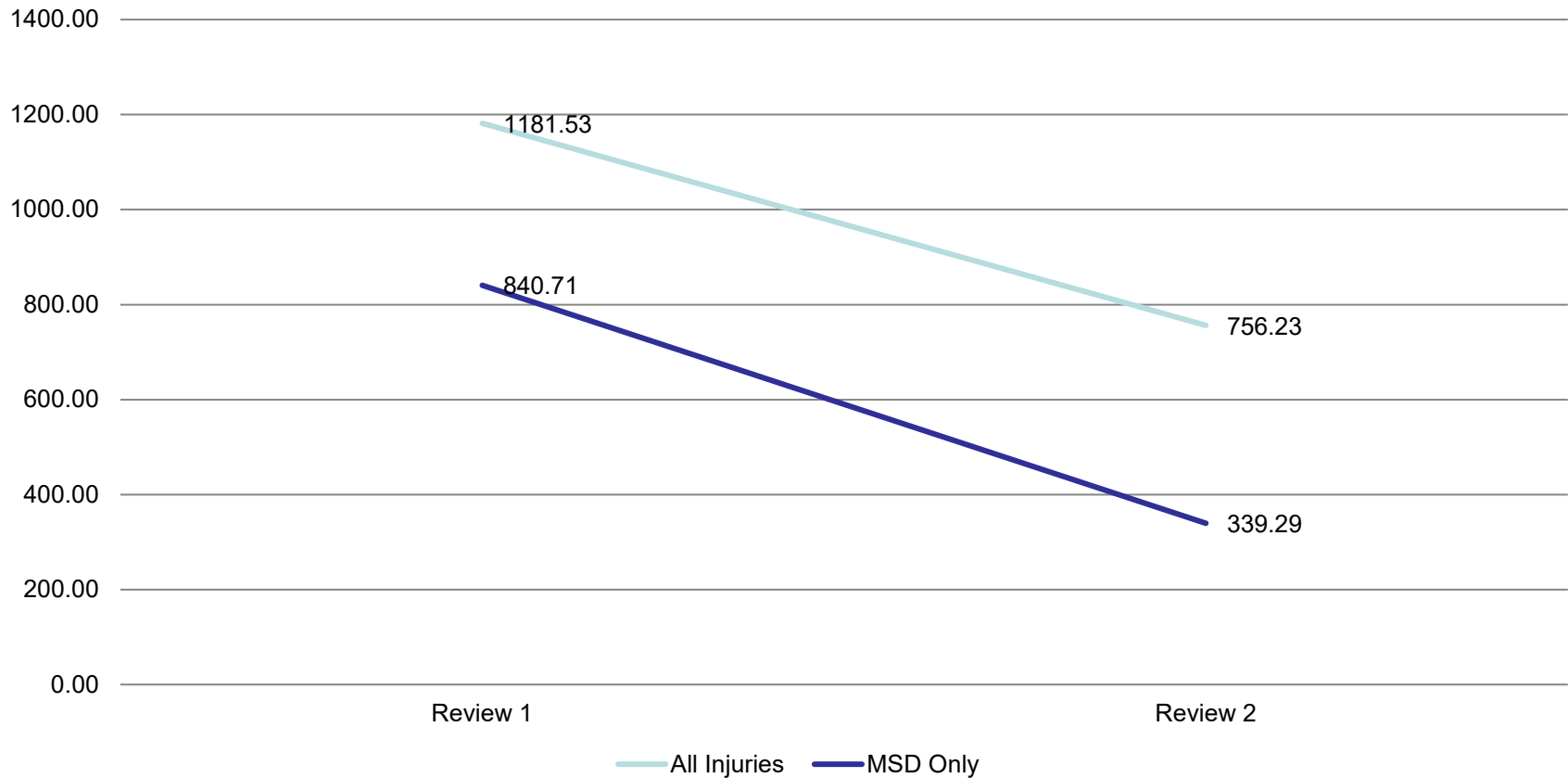


TRIFR: Number of Lost Time Injuries, Restricted Work Injuries and Medical Treatment injuries multiplied by 1 million hours divided by hours worked in time period.



Disabling Injury Severity Rate

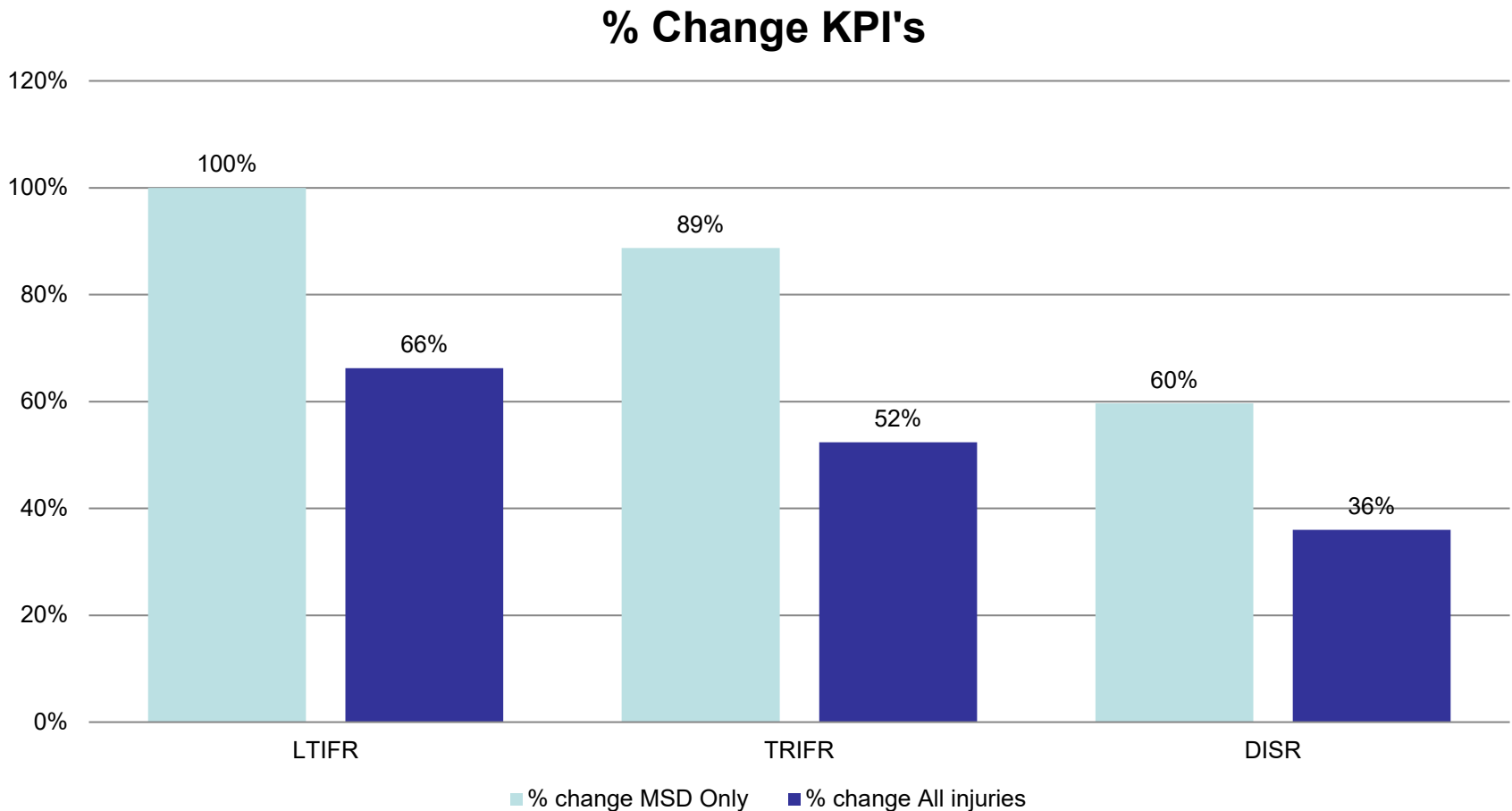
DISR



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

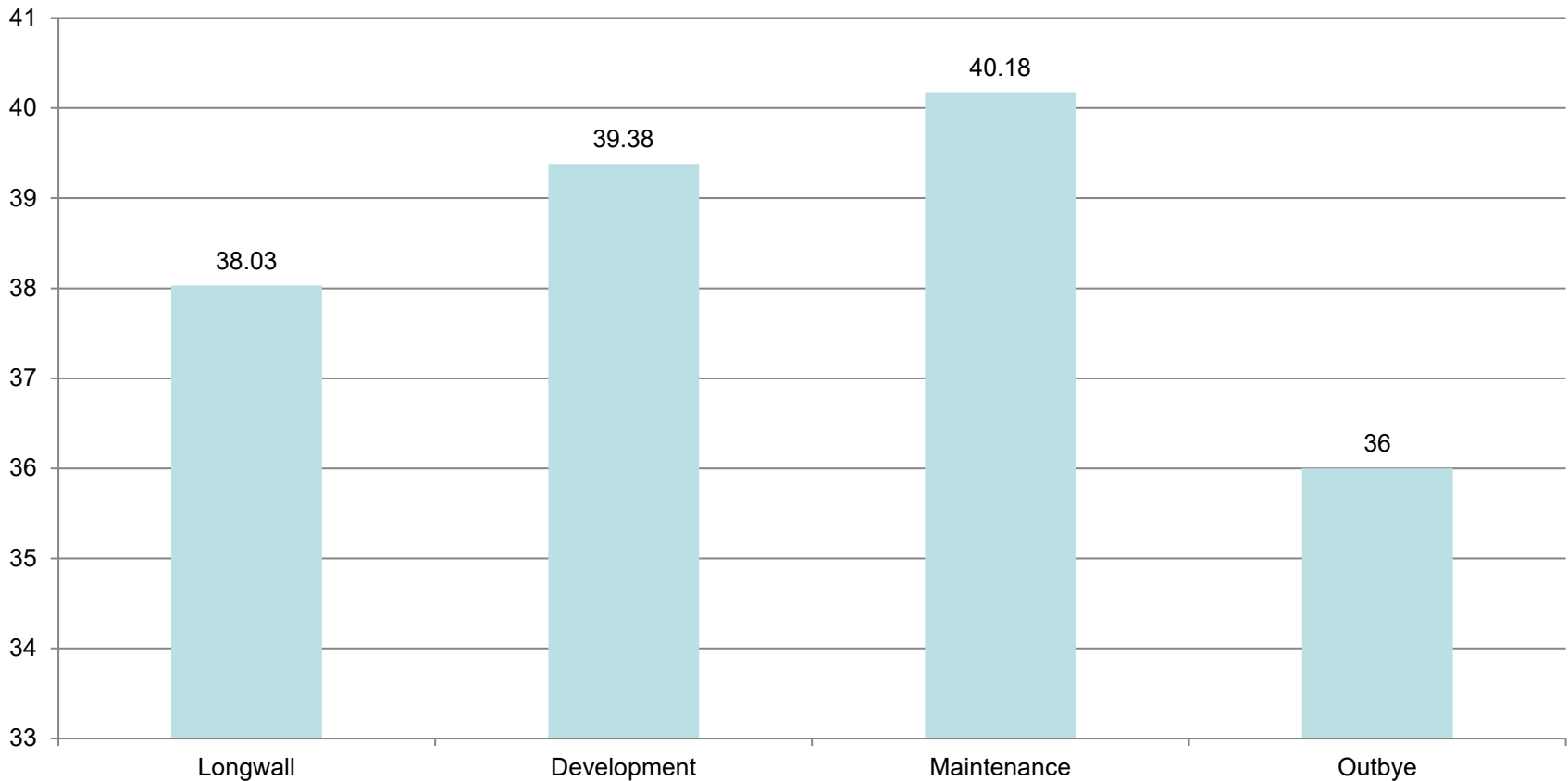


Key Performance Indicators



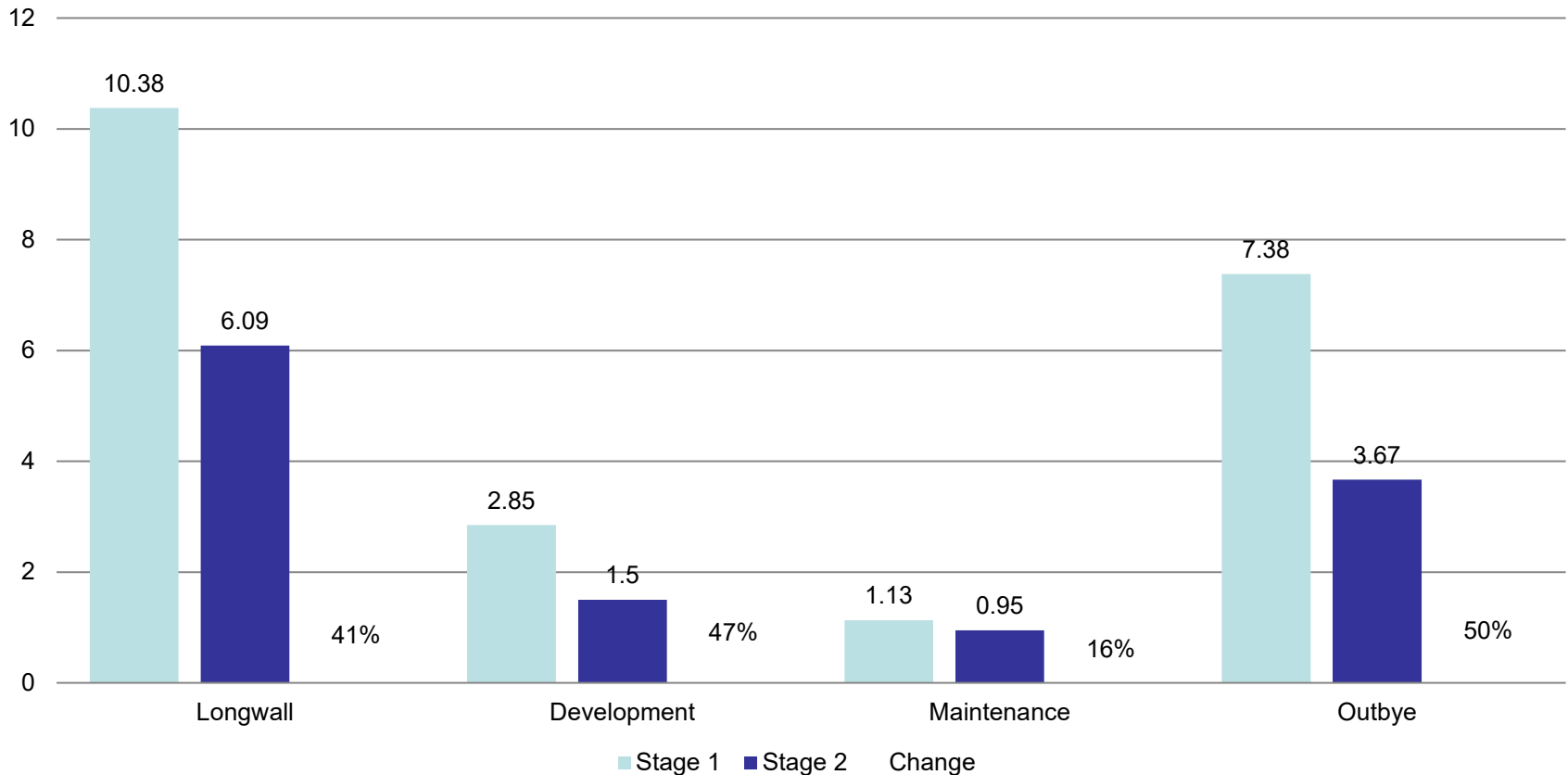
Work Ability Index

Work Ability Index



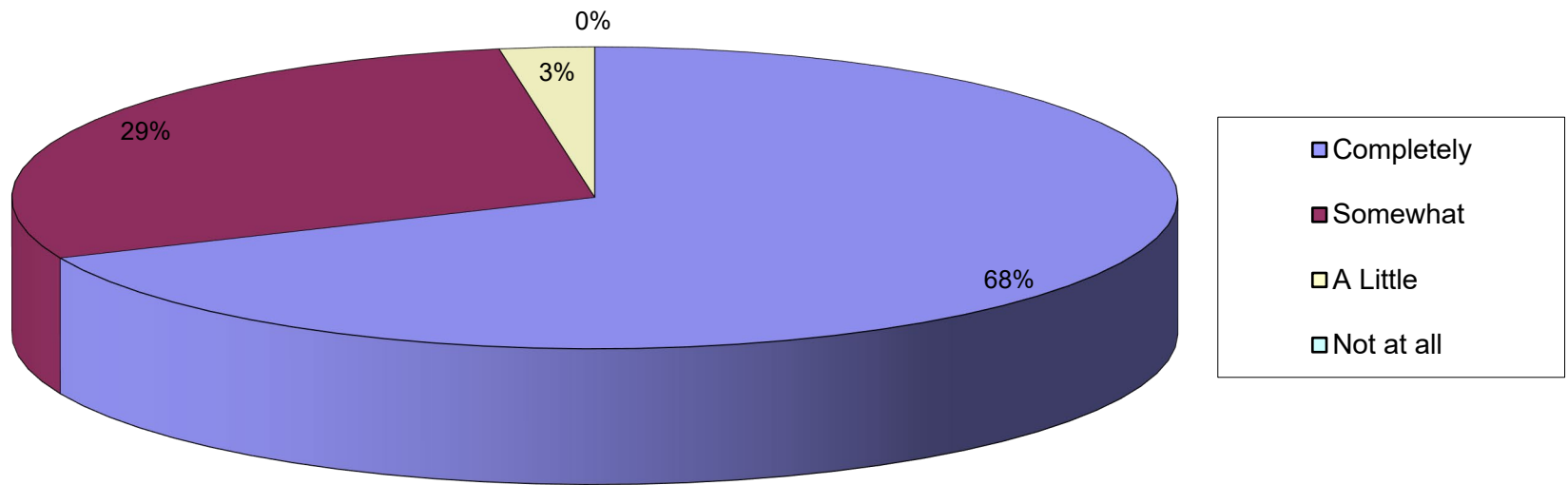
Discomfort Survey Scores

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



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