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

% Change KPI's

- LTIFR: 100%
- TRIFR: 89%
- DISR: 60%

% change MSD Only: LTIFR 66%, TRIFR 52%
% change All injuries: LTIFR 66%, TRIFR 52%, DISR 36%

% change All injuries:

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Discomfort Survey Scores

Discomfort Survey Scores

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Feedback Back Forms

Will you use the information you received?

- Completely: 68%
- Somewhat: 29%
- A Little: 3%
- Not at all: 0%
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
Questions