



U/G Coal v O/C & Metal Mines

■23 Reportable Incidents (U/G Coal Mines)

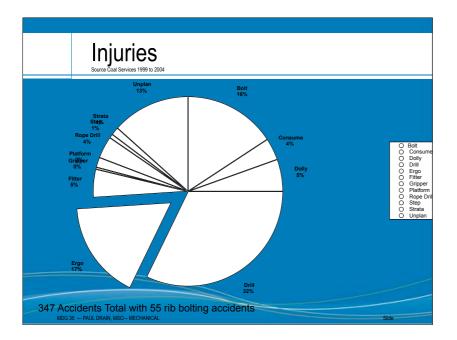
- 1 Fatality
- 8 Serious Bodily Injury (SBI)
- 11 Unplanned Movement (UPM)
- 3 High Potential

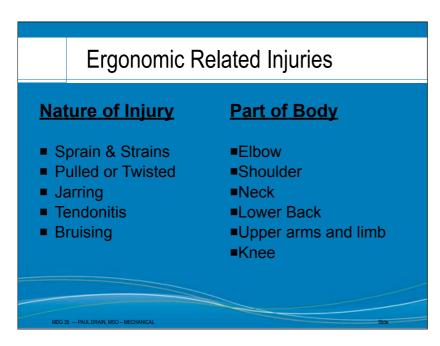
■22 Incidents Reported (O/C Mines & Metal Mines)

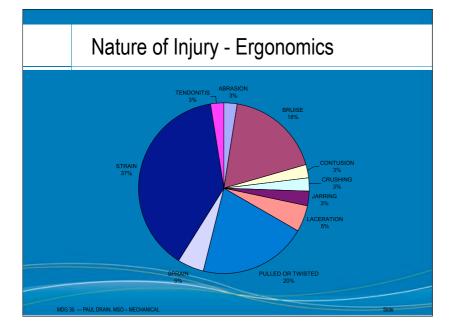
■4 SBI

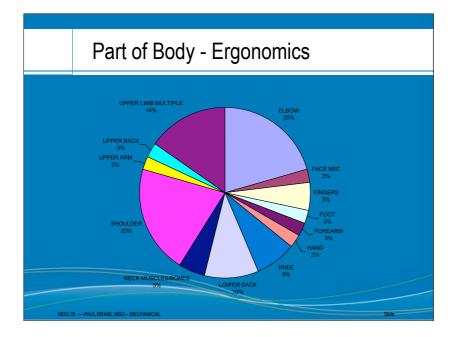
- ■5 Out Of Control (OOC)
- ■10 High Potential (some operational issues)
- ■3 LTI

MDG 35 --- PAUL DRAIN, MSO -- MECHANICAL









MDG35 Original

- Developed and published in 1996
- Prescribed methods
- Control directions and forces
- Injuries still occurring and frequency increasing
- Increase in number of rigs, increase exposure (From 2000 to 2006 Increase of Miner, Rig & Rib equipment by ~20%)
- Committee reformed in 2004

MDG35 Committee

- Members from industry (coal mines)
- Union (CMFEU)
- Manufacturers
- (DBT, Joy, Hydramatic, VAMT).
- DPI
- Specialist in their field (Ergo, strata etc)
- Challenges (members changing, culture, commitment, manufacturers different standards)

Bolting Hazards

- UPM of the drill rig entrapment
- Inadvertent operation of controls
- Interaction of moving rotating equipment
- Poor Ergonomics
- Unguarded moving parts
- Roof falls (unsupported strata)
- Remote Control equipment
- Poor Isolation methods
- Crush injuries (human error). etc

Draft MDG35

- Principles to keep employees safe and review against AS4024.1
- Improved Ergonomics
- Two handed controls
- One operator per bolting rig
- Suitable guarding
- Eliminate pinch points
- Stop inadvertent operation
- Operators protection TRS & Canopy

MDG 35 --- PAUL DRAIN, MSO -- MECHANIC/

Section 63 - ISSUES

- 1. Controls can be accidentally bumped.
- 2. Can be operated by one hand whilst other hand (or body) is in a dangerous position.
- 3. Can be operated by one person whilst another person is in a dangerous position



