Workplace Road Safety: The mobile financial crisis

Assoc. Professor Brett Hughes
Director, Curtin - Monash Accident Research Centre
Curtin University

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Overview

- Road Safety System
- Road Safety Reality
- Road and Workplace Safety Issues
- Workplace Road Safety Solutions
Safe Systems

- Recognise that users make mistakes
- Set targets
- Recognise the limits of the human body to withstand energy
- Integration and collaboration between contributing parties and authorities

Road Rules

- There are 1.5 million road safety experts in WA, all with a good solution for someone else to do
- Cemeteries are places for people who thought “it isn’t going to happen to me”
- The dumbest person you know can get a drivers license
- 95% of drivers think they’re better than average
Overview

- Road Safety System
- **Road Safety**
- Road and Workplace Safety Issues
- Workplace Road Safety Solutions

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Transport Safety by Mode

<table>
<thead>
<tr>
<th>Indicator (2007)</th>
<th>Road</th>
<th>Rail</th>
<th>Marine</th>
<th>Air</th>
<th>Workplace</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fatalities</strong> Number of deaths</td>
<td>1616</td>
<td>37</td>
<td>52</td>
<td>22</td>
<td>232</td>
</tr>
<tr>
<td><strong>Fatality Rate</strong> Deaths per 100,000 population</td>
<td>7.7</td>
<td>0.18</td>
<td>0.25</td>
<td>0.10</td>
<td></td>
</tr>
<tr>
<td><strong>Injury Rate</strong> Serious injuries per 100,000 population</td>
<td>151</td>
<td>0.84</td>
<td>0.57</td>
<td>0.21</td>
<td></td>
</tr>
<tr>
<td><strong>Fatality Rate</strong> Deaths per billion passenger km</td>
<td>5.4</td>
<td>2.8</td>
<td>0.42</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Source: Australian Transport Statistics Yearbook, BITRE (2009)
Road Safety Regulation & Responsibility

➢ Road safety as a specific element of OSH

Transport outside the workplace, which affects workplaces

Whose Responsibility?
Deaths in Australia

tens of people

Road  Rail  Marine  Air

Workplace (reported)

Workplace (unreported)

Sources: Australian Transport Statistics Yearbook, BITRE (2009)
Compendium of Workers' Compensation Statistics Australia 2007-08
Safe Work Australia, (2009)

Overview

➢ Road Safety System
➢ Road Safety
➢ Road and Workplace Safety Issues
➢ Workplace Road Safety Solutions
And Eeyore whispered back:

"I'm not saying there won't be an Accident now, mind you. They're funny things, Accidents. You never have them till you're having them.

*The House at Pooh Corner*  
by A. A. Milne

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**Road Safety Issues for any Workplace**

- **Road safety in any industry** is important
  - about 100 people a year die in motor vehicle crashes and are reported in OSH statistics
  - about 450 people die in motor vehicle crashes while at work
  - vehicle crashes are the 2nd highest cost per insurance claim
  - transport work is 2nd highest frequency of serious claims
  - level crossing crash reported to cost $20m.

*Is a crash between a minerals train and a grain truck a transport, resources, agricultural or workplace incident?*
Road Safety Issues Outside the Workplace

- Road safety outside the workplace is important
  - About 1400 people die on Australian roads each year (2009) and more than 30,000 are injured
  - The cost of road crashes in Australia is approx. $30 bn pa
  - About 30% of lost time at work is due to road crashes (not necessarily in the workplace)
  - The cost of road crashes to workplaces could be about $10 bn pa

OSH Rules

- Safety is accurately measured by LTIFR
- There is good data on workplace safety
- We know the major workplace safety risks
- We are addressing workplace safety thoroughly – process, policy, practice
- Workplace regulation provides good regulation and guidance to ensure safety
Land transport related death and injury in WA

- Leading cause of injury death for young people aged 5-24 years
- The leading cause of premature death due to injury
- 2nd leading cause of injury death and hospitalisation
- 22231 hospital days per year
- $33.4M health cost per year

Source: The Epidemiology of Injury in Western Australia, 2000-2008.

Land transport related death and injury in WA (2)

- Rates of death for males increasing linearly since 2004.
- Major cities had significantly lower rates than other areas.
- The rate of transport related death was 4.7 times higher for Aboriginal people.
- Death rates for socioeconomically disadvantaged areas are nearly 10 times higher
Reality Check

Unskilled and inattentive users, operating dangerous machinery at high speed in an unsympathetic, hazardous, uncertain and changing environment

Workplace Road Safety Issues

- Safe vehicles
- Safe speeds
- Driver competency
- Safe loads
- Fatigue and alcohol
- Unusual events
- Unsealed road safety
- Long distance driving

43% had not received any occupational health and safety training in the job where their injury or illness occurred.

**Performance: Waking Hours v Alcohol**

0.05 BAC = ~17 hours awake

0.10 BAC = ~24 hours awake


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- **Workplace Road Safety Solutions**
Workplace Road Safety Solutions

➢ Risk management
  ▪ Risk identification, elimination, reduction, incident response
  ▪ Recruitment and selection
  ▪ Induction programs
  ▪ Fleet selection and maintenance
  ▪ Incentives and disincentives
  ▪ Training and education

➢ Workplace vision and road safety policy
➢ Organisation and structure
➢ Management - systems and information
➢ Staff performance management

Benefits of Workplace Road Safety

➢ Reduced stress and trauma to staff and their families
➢ Increased morale and improved productivity
➢ Increasing staff availability for work
➢ Reduced vehicle damage and work rescheduling
➢ Reduced administration and HSE/OSH management
➢ Increased vehicle availability
➢ Reduced business and customer interruptions
➢ Reductions in vehicle and workers’ compensation insurance premiums
➢ Lower repair, maintenance and running costs
➢ Increased resale value from improved care of vehicles by drivers
"... South West Hwy, 6:50am ..."

"... fighting charges of dangerous driving, saying she has no memory of a three-car crash ..."

"... was heading to Bunbury after a 12-hour night shift ..."

"... had a momentary lapse of concentration ...

Source: The West Australian 4/8/10

Best Practice Workplace Safety?

- There are alcohol free workplaces for safety, and it is equally unsafe to send people home drunk from workplaces.
- Road safety risks from fatigue are identical to the risks from alcohol.
- One day:
  - a worker will go home from work too tired and die in a road crash.
  - a worker will die in a crash where the vehicle is not 5☆ ANCAP crash rated.
  - a worker will roll a car on a gravel road and die.
  - an untrained worker will roll a 4wd and die.

Source: The West Australian 4/8/10
C-MARC

- Outcome focussed
- Multi-disciplined
- Strong analytical base
- Independent
- Multimodal