Prevention of fatal occupational injuries in Sweden
Bengt Järvholm, Johanna Björnstig, Ulf Björnstig, Umeå University, Sweden

**Objective:** How to prevent fatal occupational injuries?
What can we learn from routine national statistics?

**Methods:** We used available registers at Work Environment Authority, Insurance Company (AFA Försäkring), National Registers of Deaths, Hospital Care and Occupational Registers

**Findings:**
- The average risk of a fatal occupational injury is about 1 per 100,000 persons and year
- The odds men:women is 9:1
- The victims are rather old (median age: men 52 years, women 43 years)
- Serious injuries and fatal injuries have different patterns considering, age, gender, industrial sector, type of injury.
- Injuries involving vehicles constitute about half of all fatal injuries
  - Half occurs in general traffic
  - Half occurs in other areas
- Fall from height is an important cause
- Violence, Explosions, Electric shocks are rather uncommon causes

**Conclusions:**
1. Previous accidents is not a very reliable source for future actions
   - Fatal injuries are rare
   - Serious injuries have a different distribution
2. Focus on situations with high energy
   - Prevent contact between humans and “high energy”
     - Vehicles
     - Fall from height
     - Big animals/cutting trees/….
   - Strict organizational measures
     - Traffic is an occupational arena
3. Classification with a higher focus on preventable factors
   E.g. for which injuries are the preventive measures
   - Well-known
   - Unknown