

# Results of the 2008 Safety Survey

Presented October 6, 2008  
The Hydraulic Power Committee  
Lancaster, PA

# The 2008 Survey

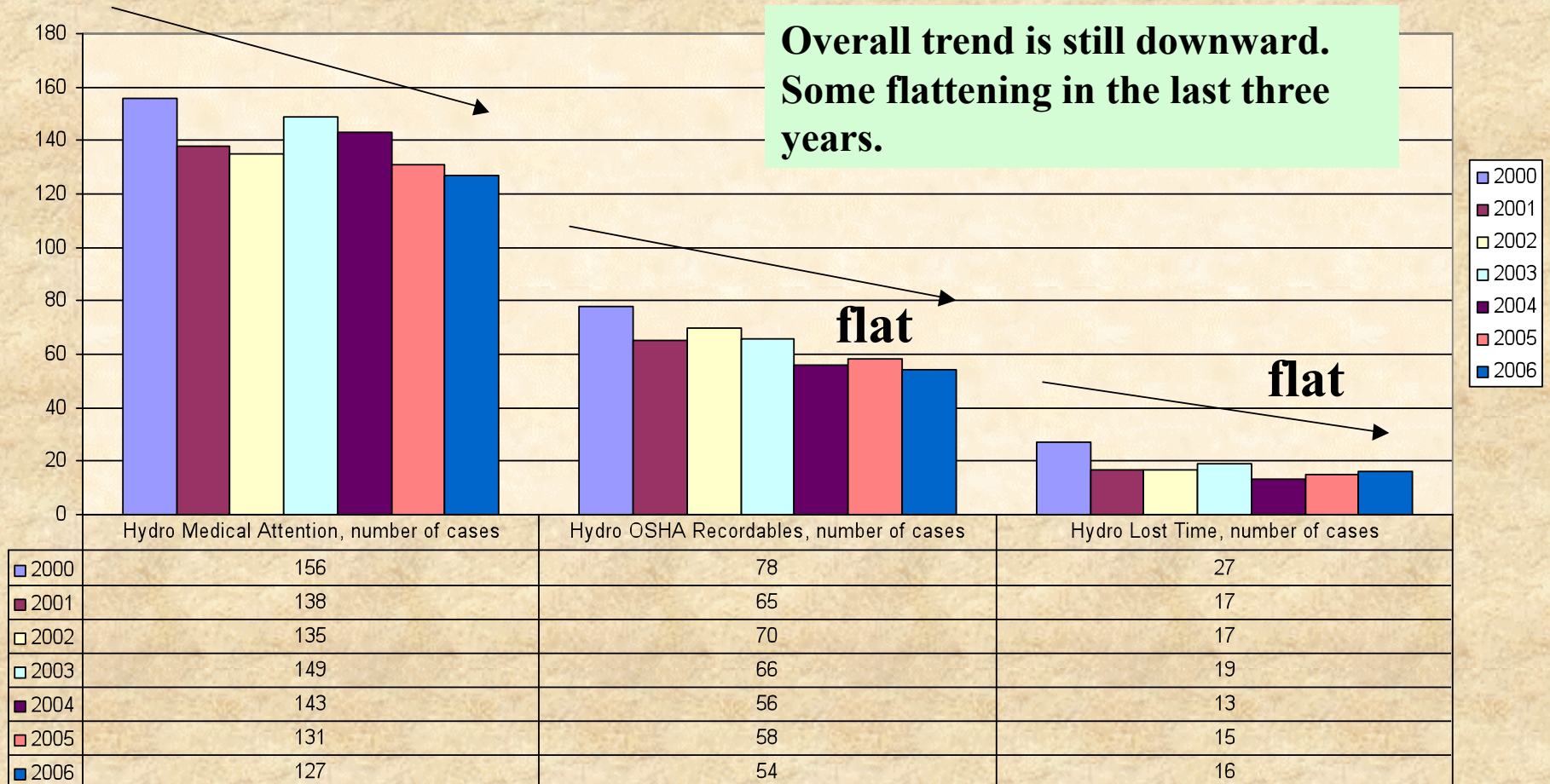
- Eleven member companies responded
- Questions centered around (2000-2007):
  - Number safety incidents
  - Severity safety incidents
  - Hours worked
  - Age at the time of the incident
  - Contributing factors
  - Trends?

# General Trends

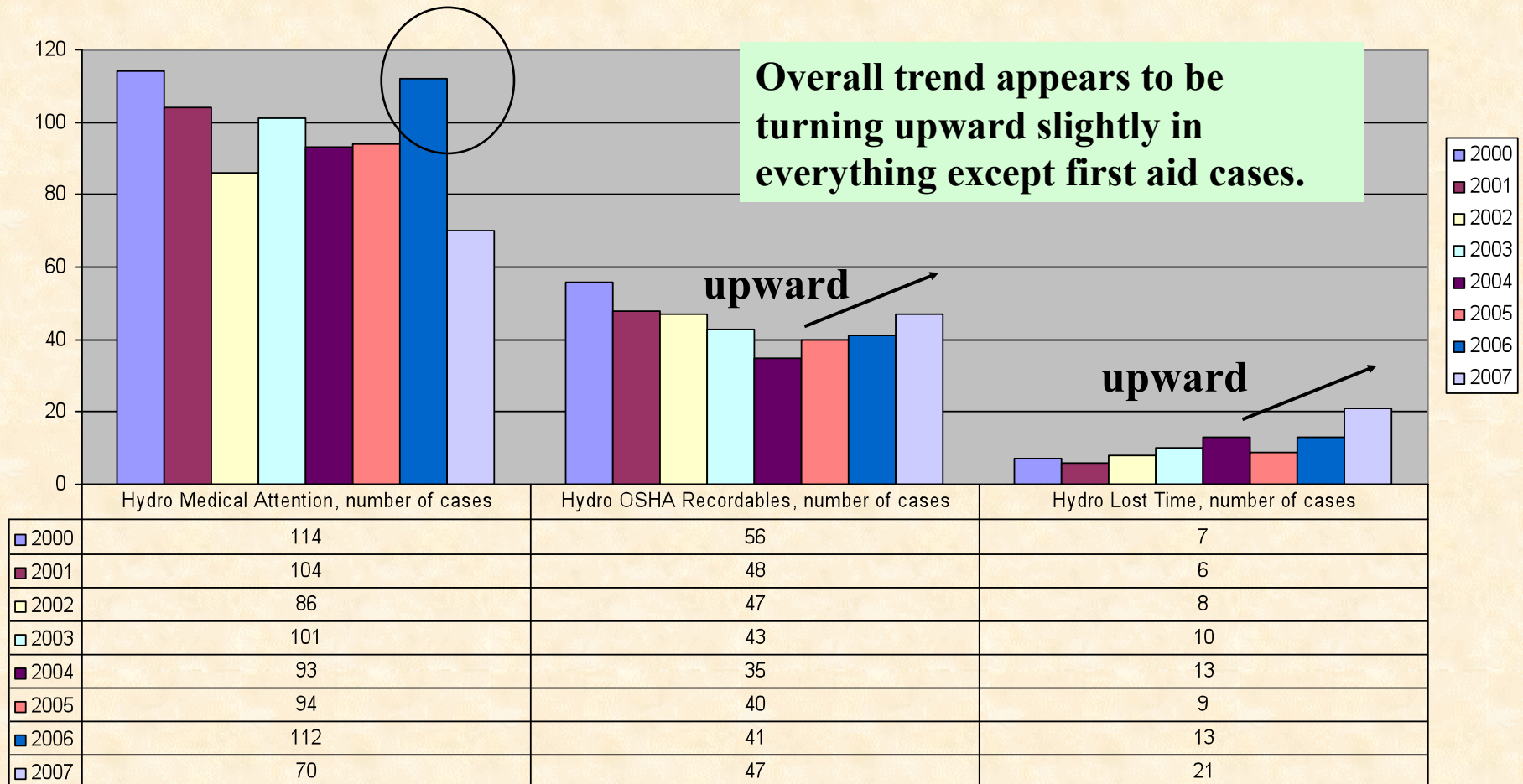
- Number of medical attention/injuries decreasing.
- Number of lost time cases shows upward trend.
- OSHA Recordables shows upward trend
- Hydro Generation losing its edge over fossil safety performance by comparison.

## Slide from last year's survey

### OSHA Statistics

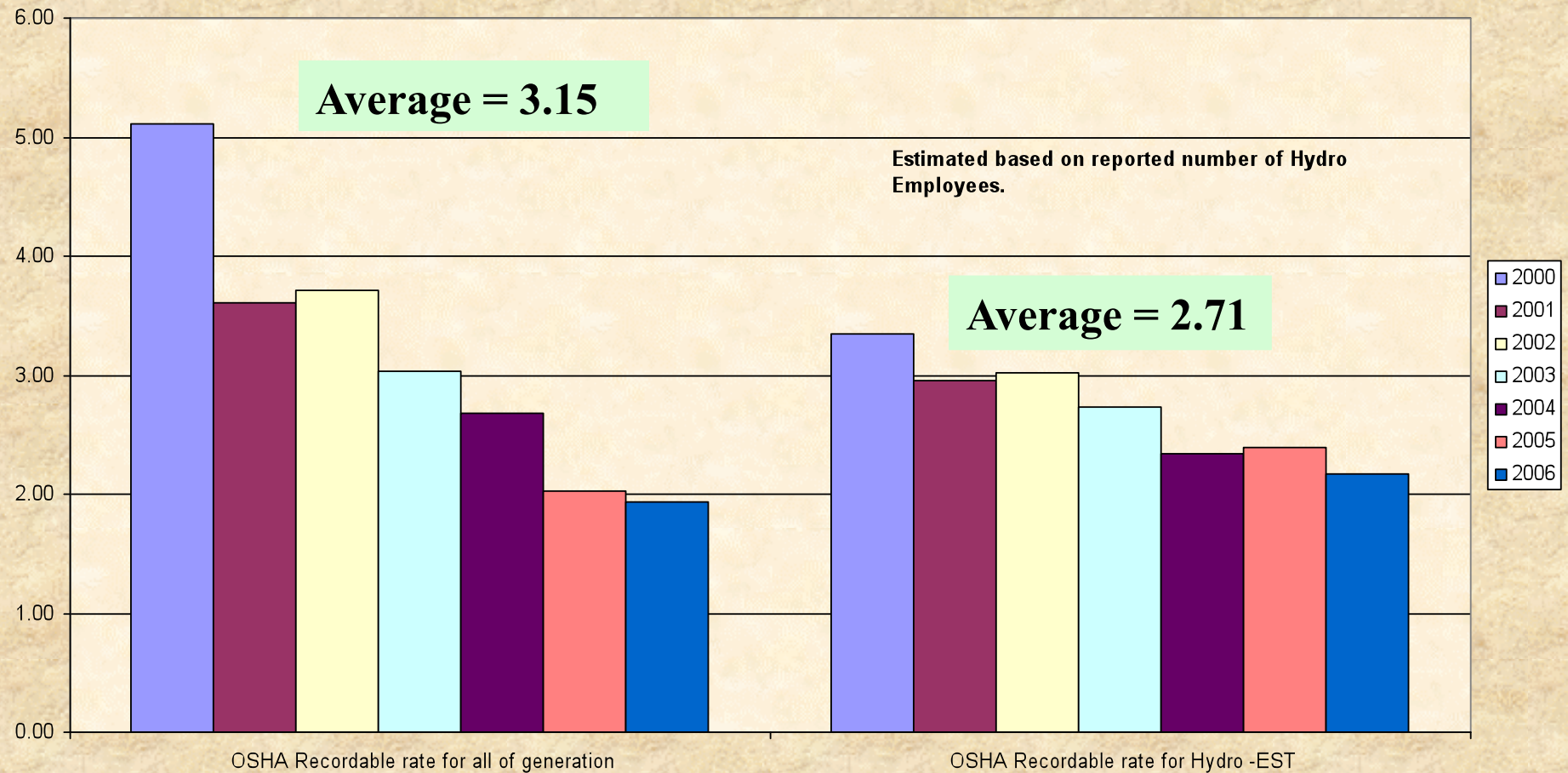


## OSHA Statistics

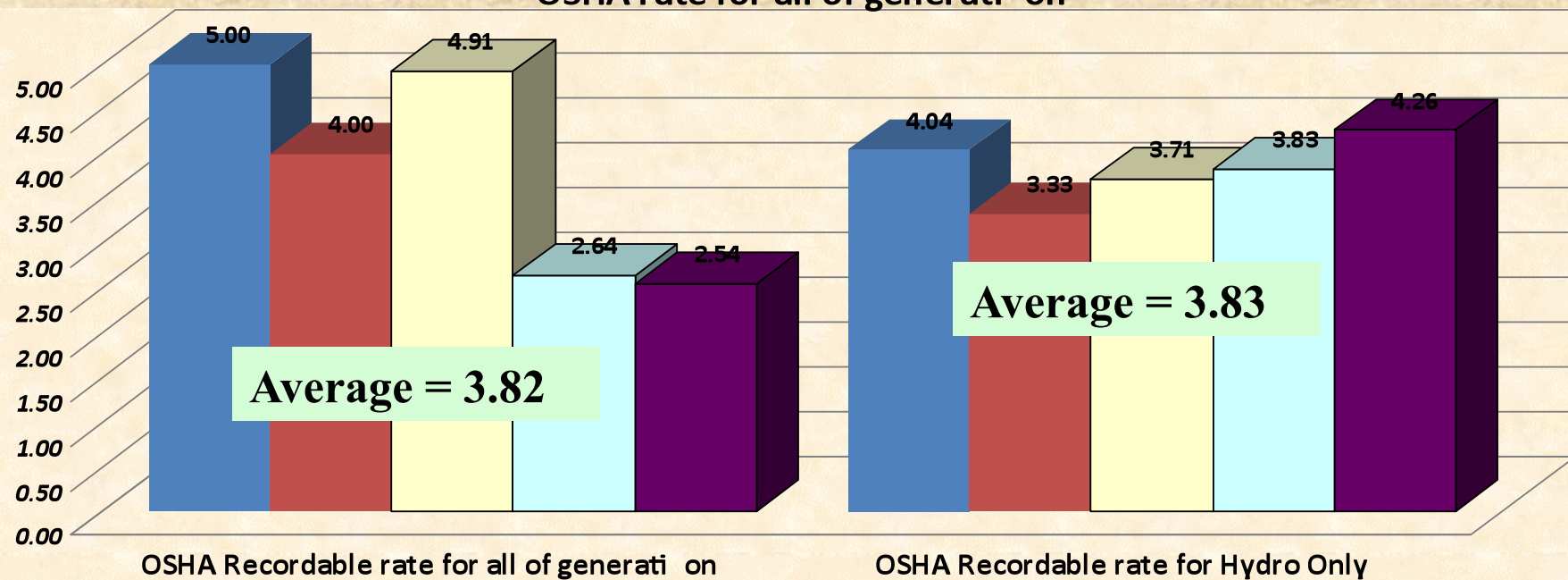


## Slide from last year's survey

### OSHA Hydro and OSHA Generation

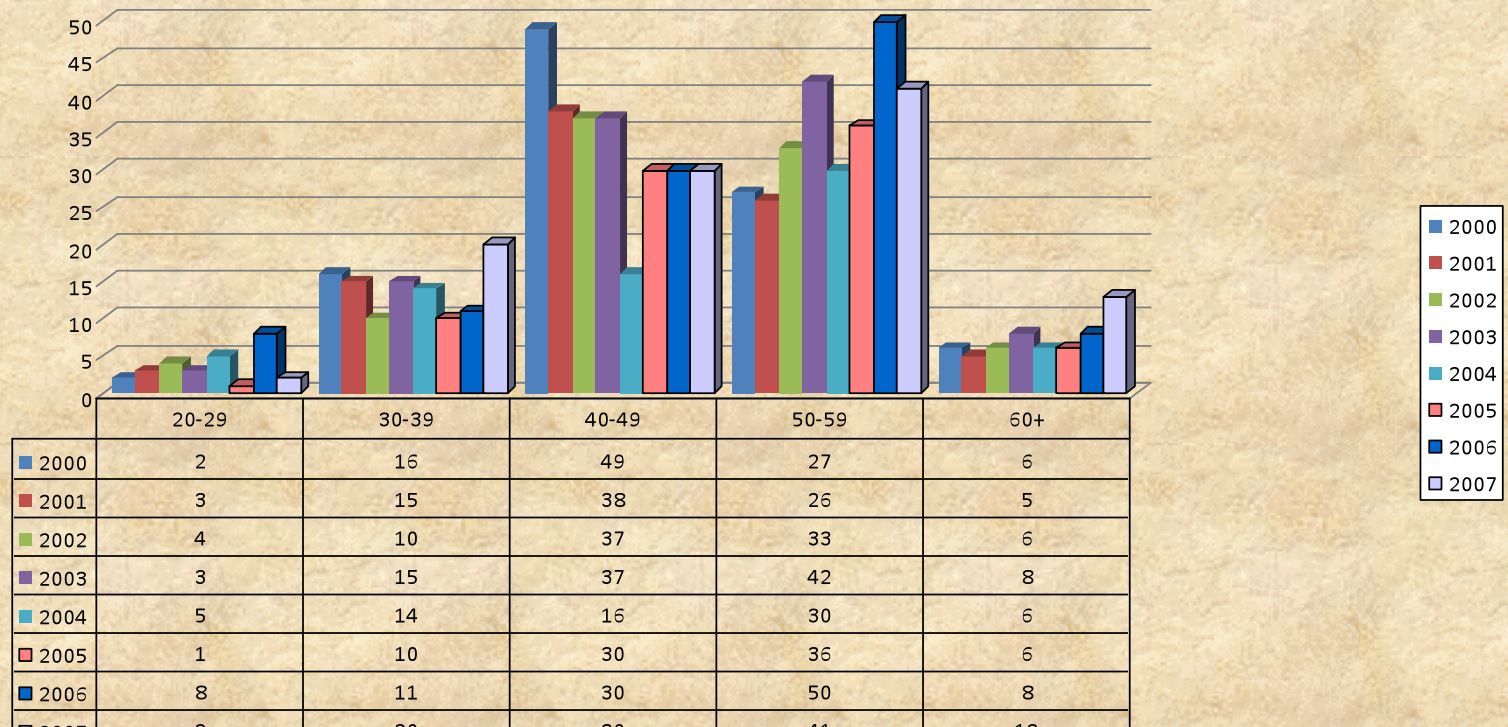


# Calculated OSHA rate for Hydro compared to OSHA rate for all of generati on



■ 2003 ■ 2004 ■ 2005 ■ 2006 ■ 2007

### Number of Incidents by Age Category

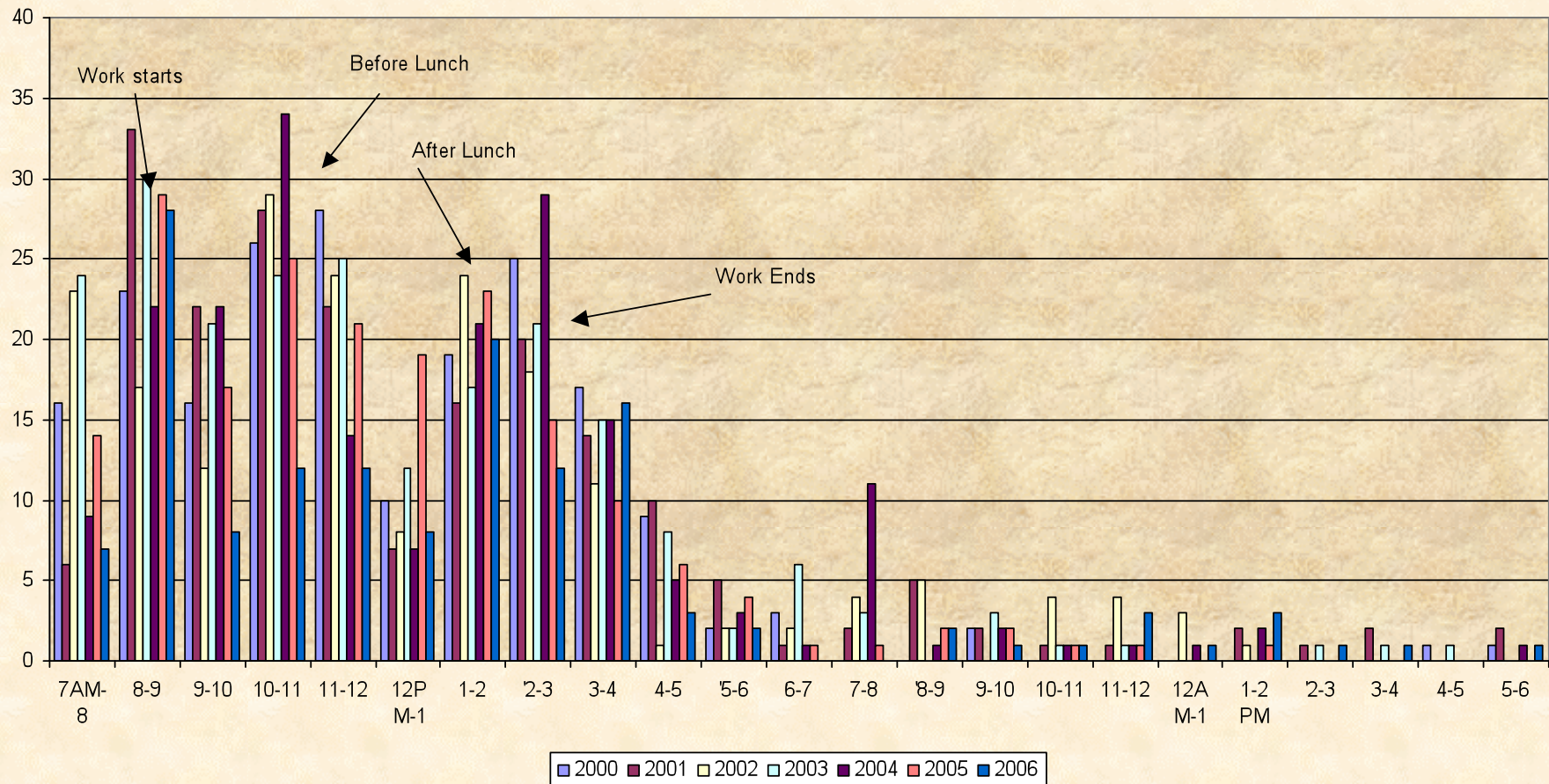


# Continuous Improvement

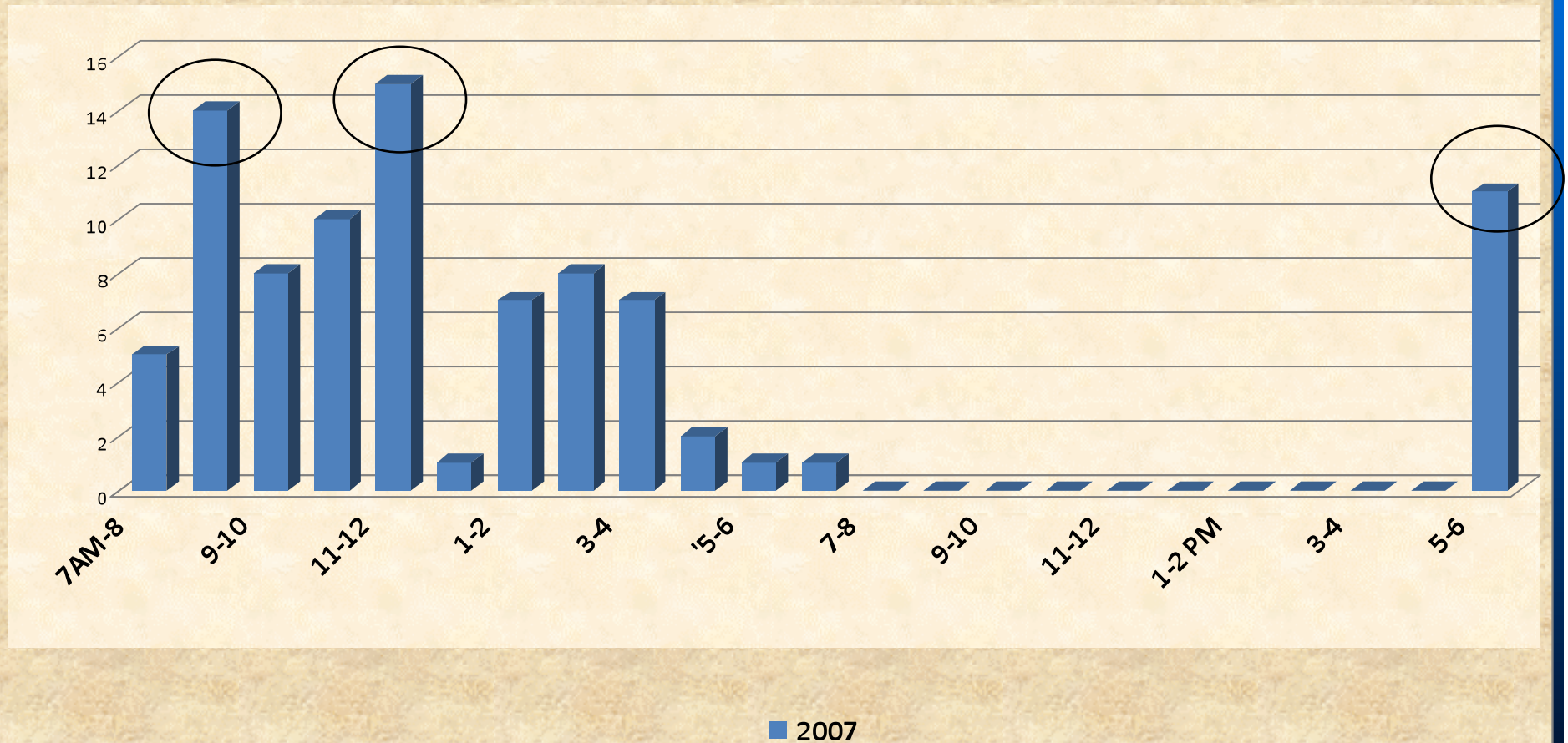
- What does this mean?
- Where should we direct our efforts?
- Is there a general profile?
- Is there a more dangerous
  - Time of day?
  - Working Age?
  - Day of week?
- Are there contributing factors?

## Slide from last year's survey

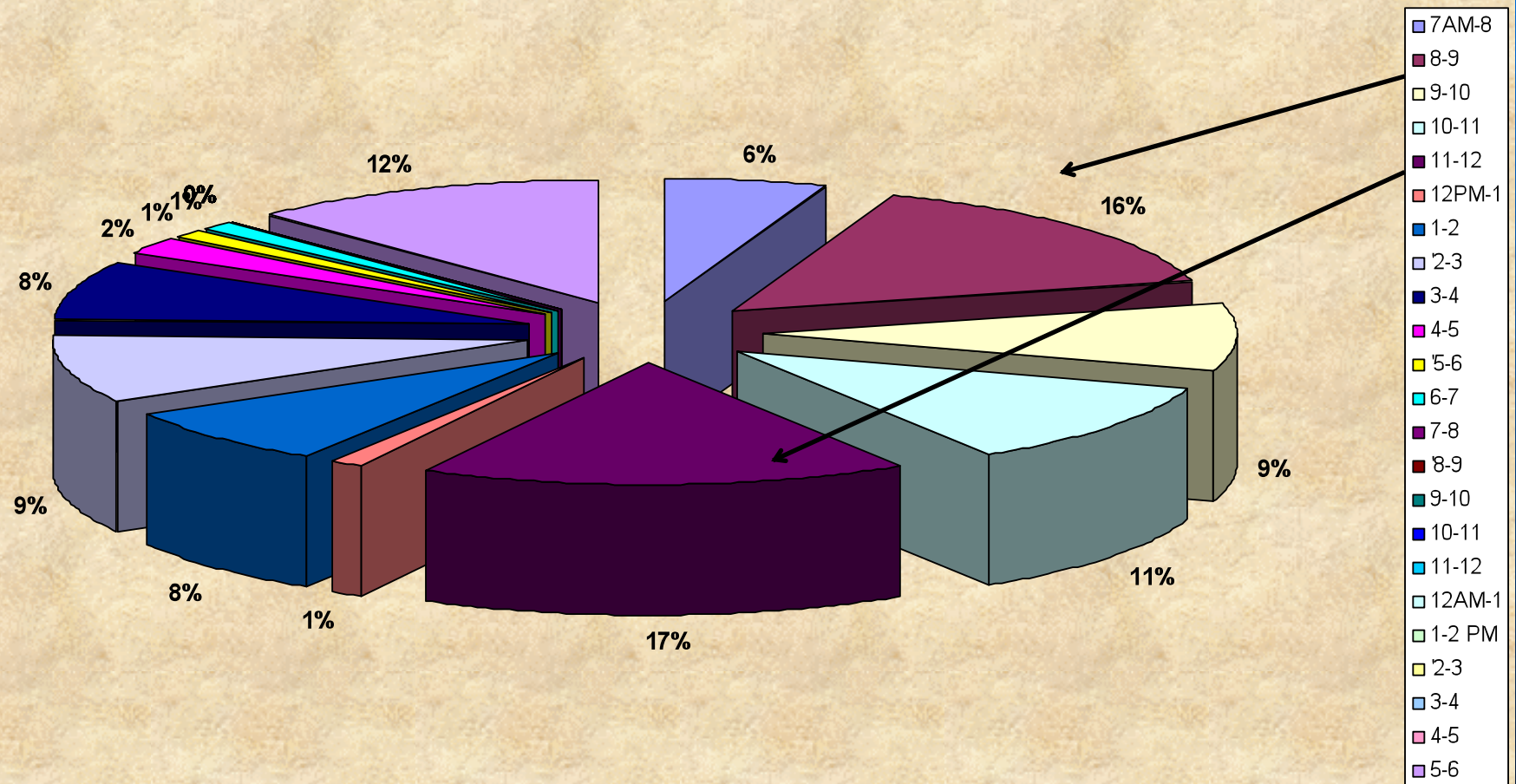
**Hydro Injuries by Time of Day**



Hydro Injuries by time of day  
2007 data only

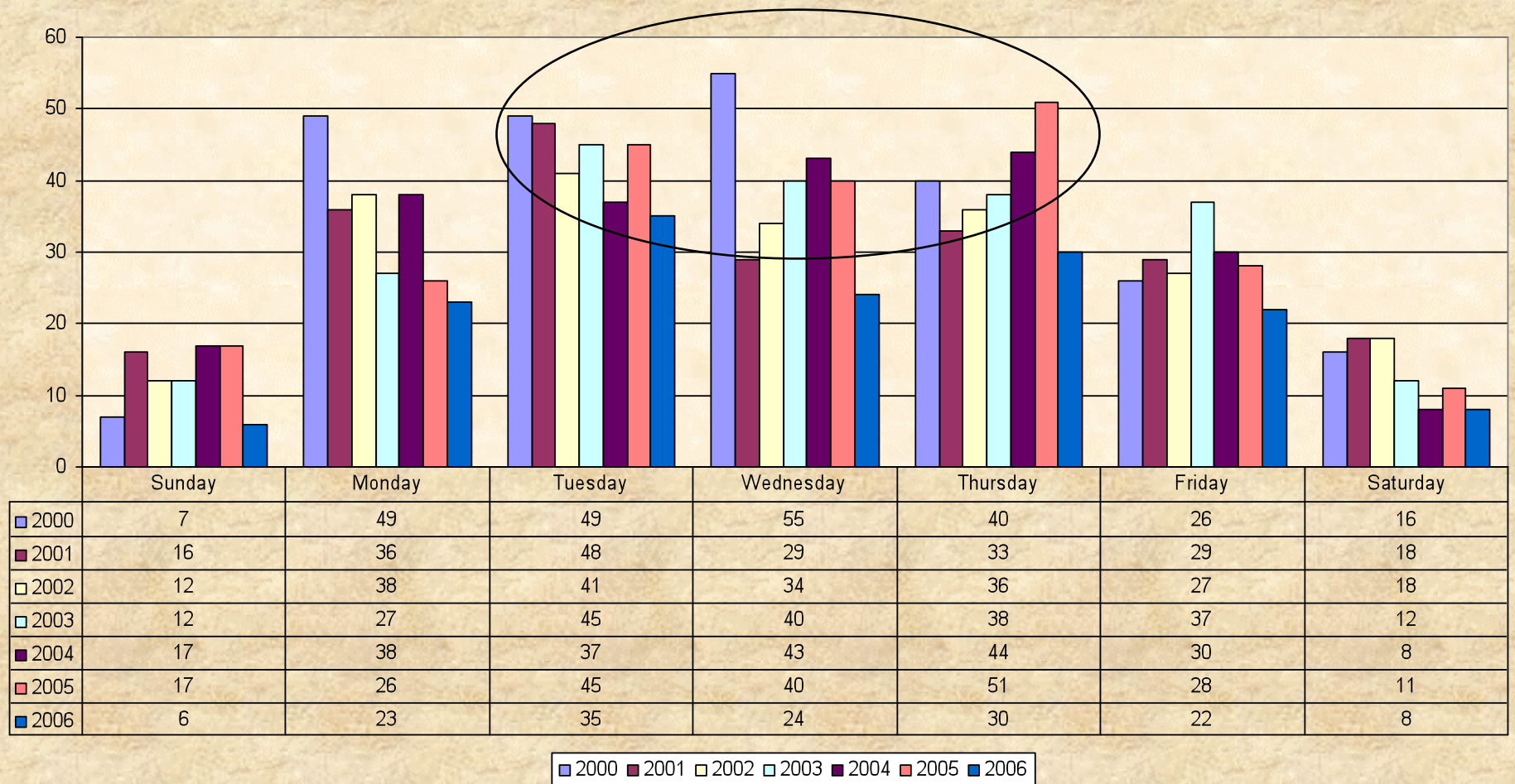


## Hydro Injuries by Time of Day 2007 Data

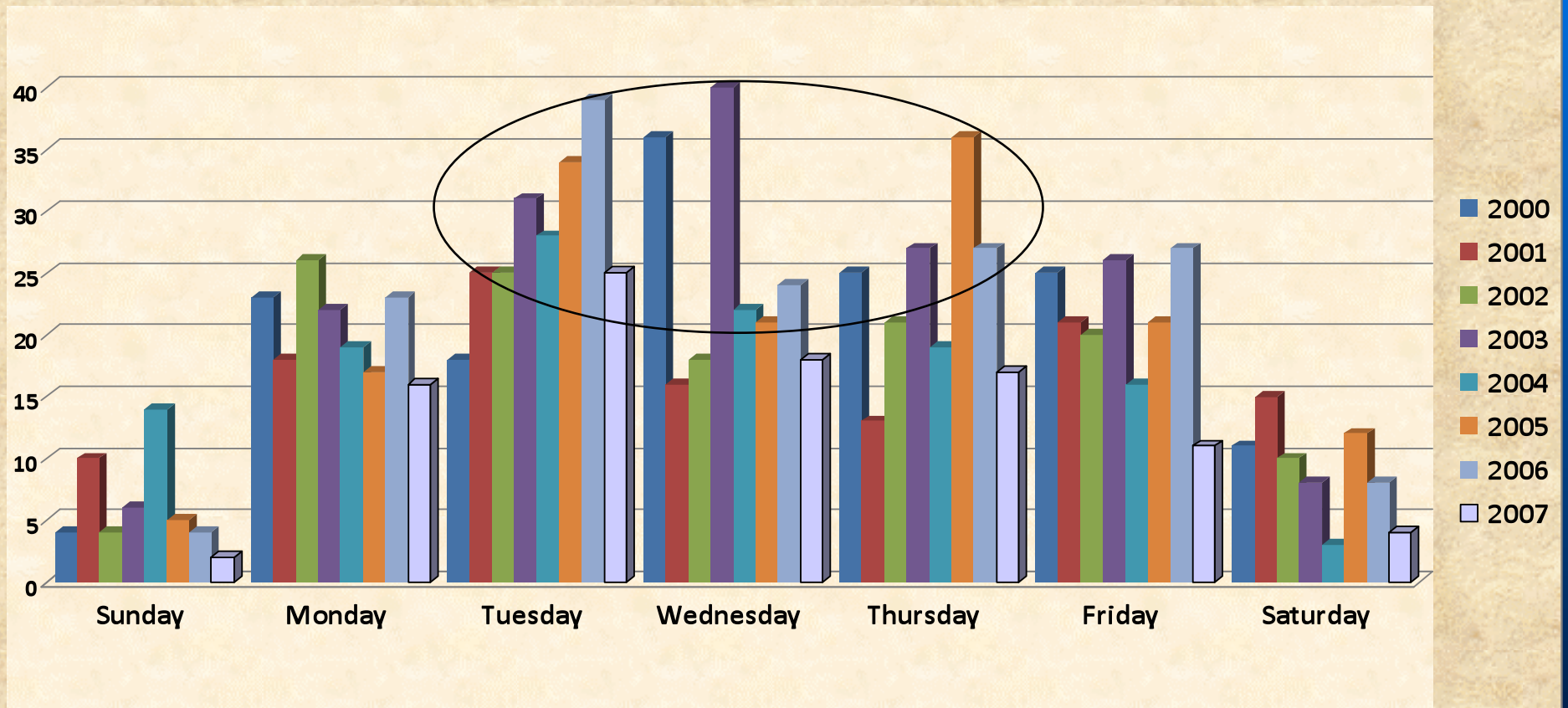


## Slide from last year's survey

**Hydro Incidents by Day of Week**

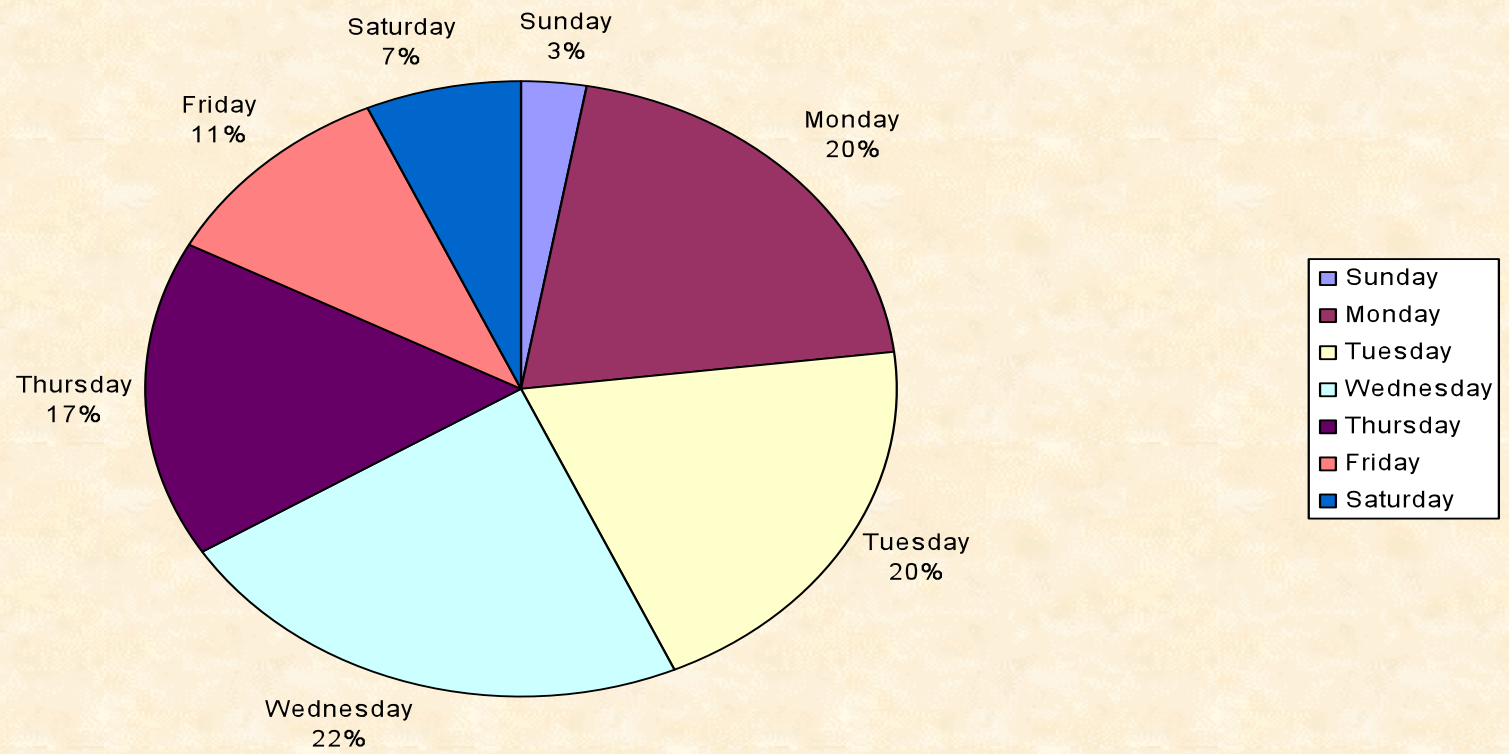


## Hydro Injuries by Day of Week

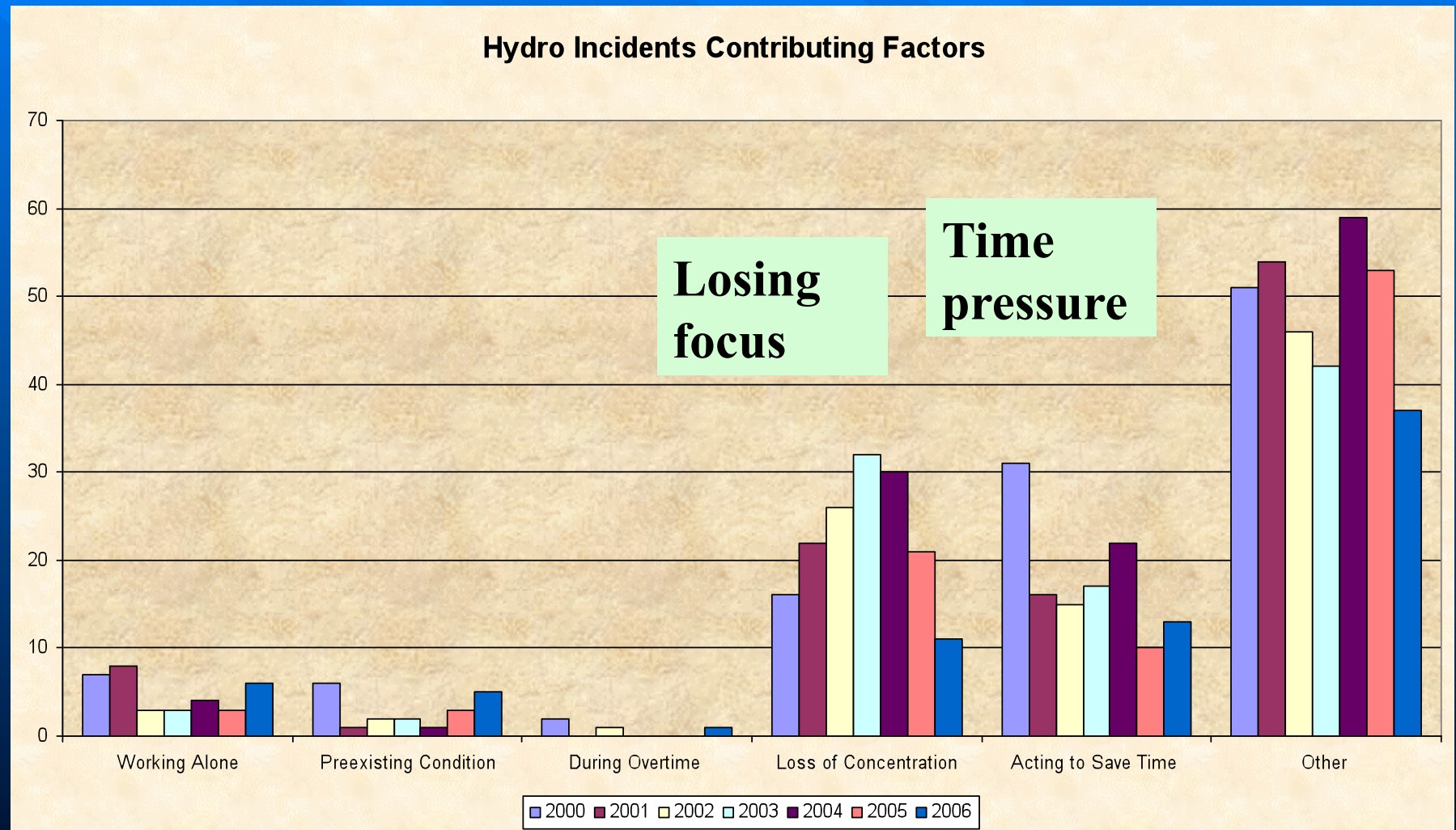


## Slide from last year's survey

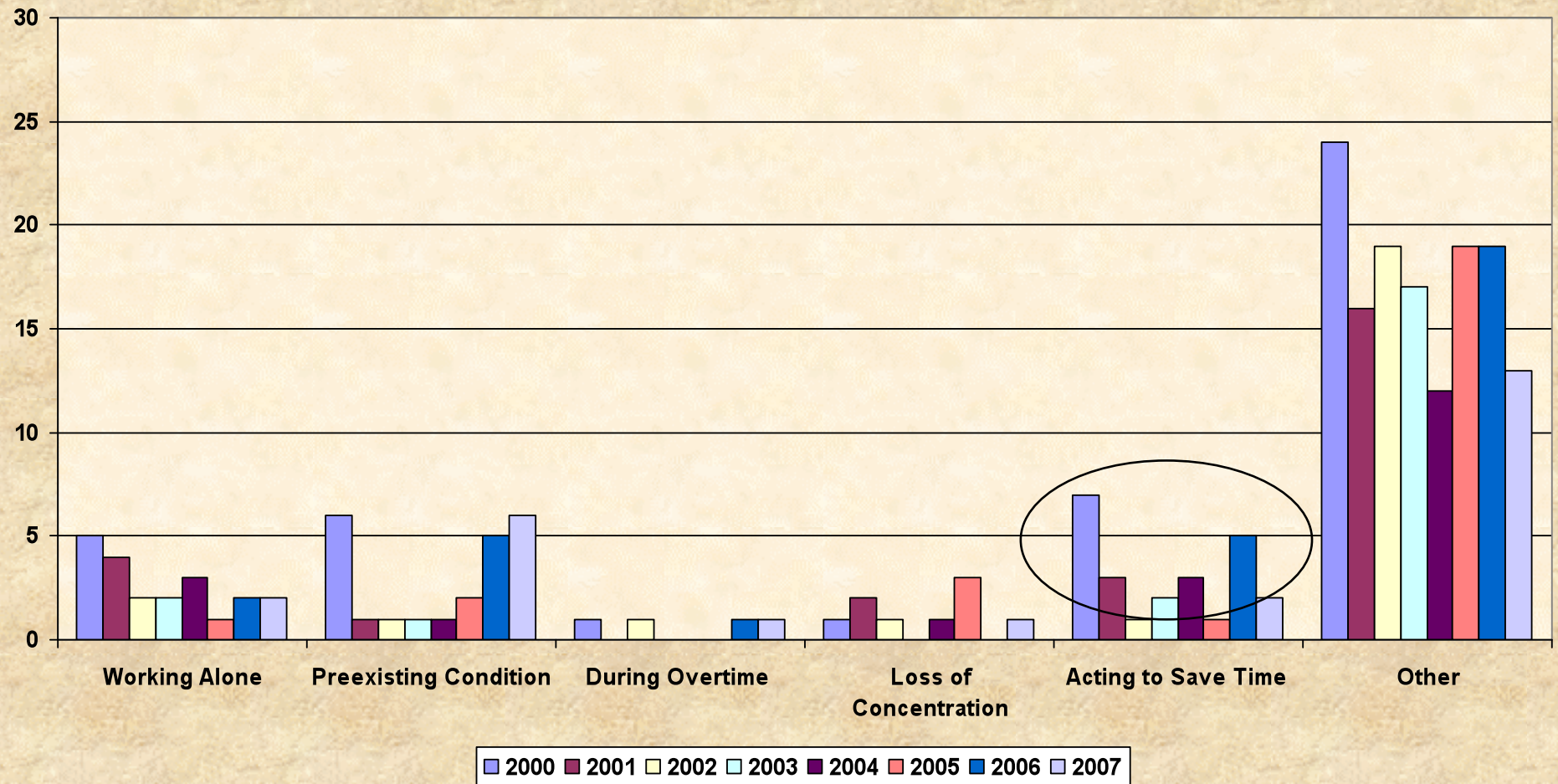
**Hydro Incidents by Weekday**



## Slide from last year's survey

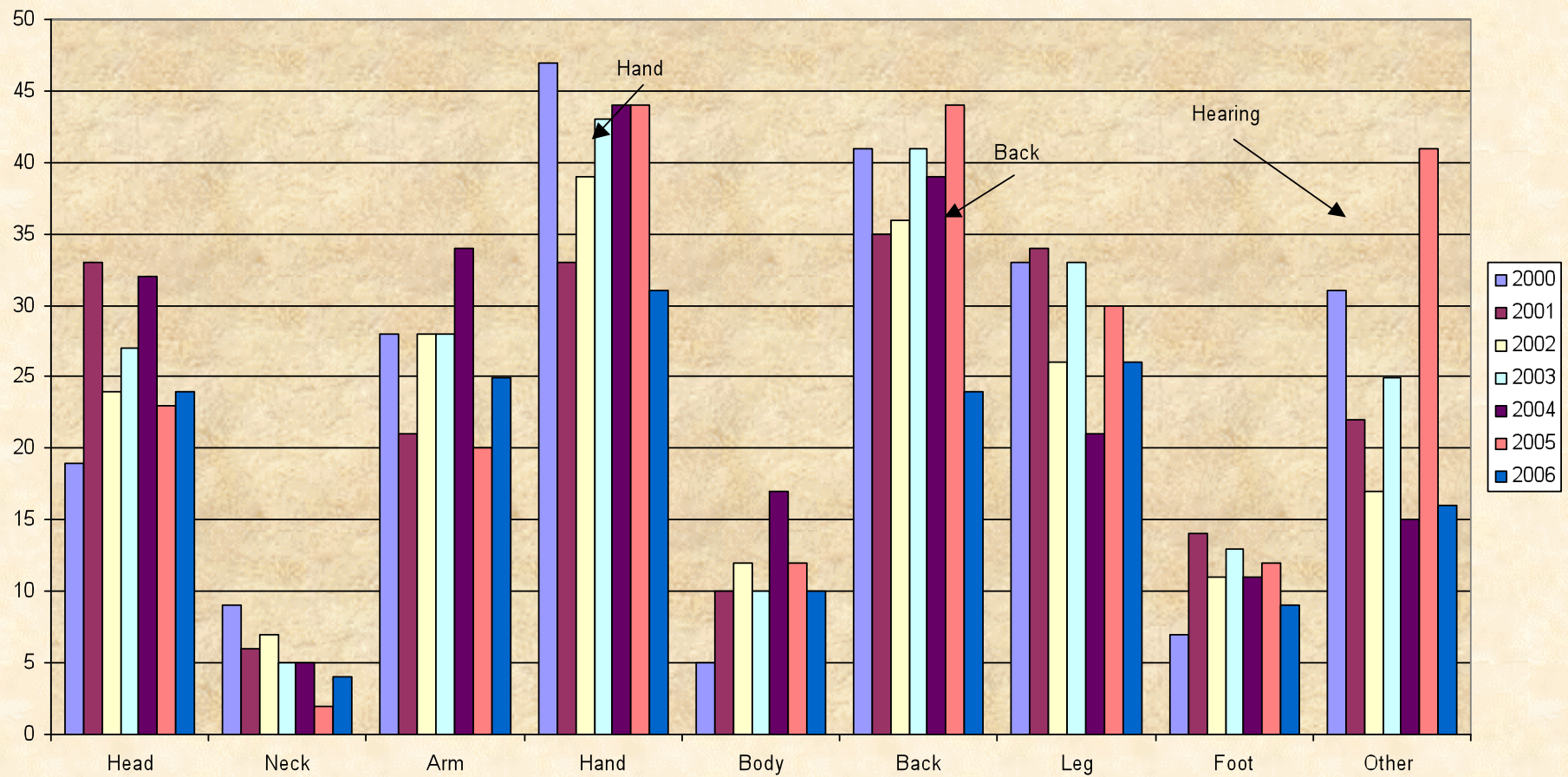


## Hydro Injuries Contributing Factors

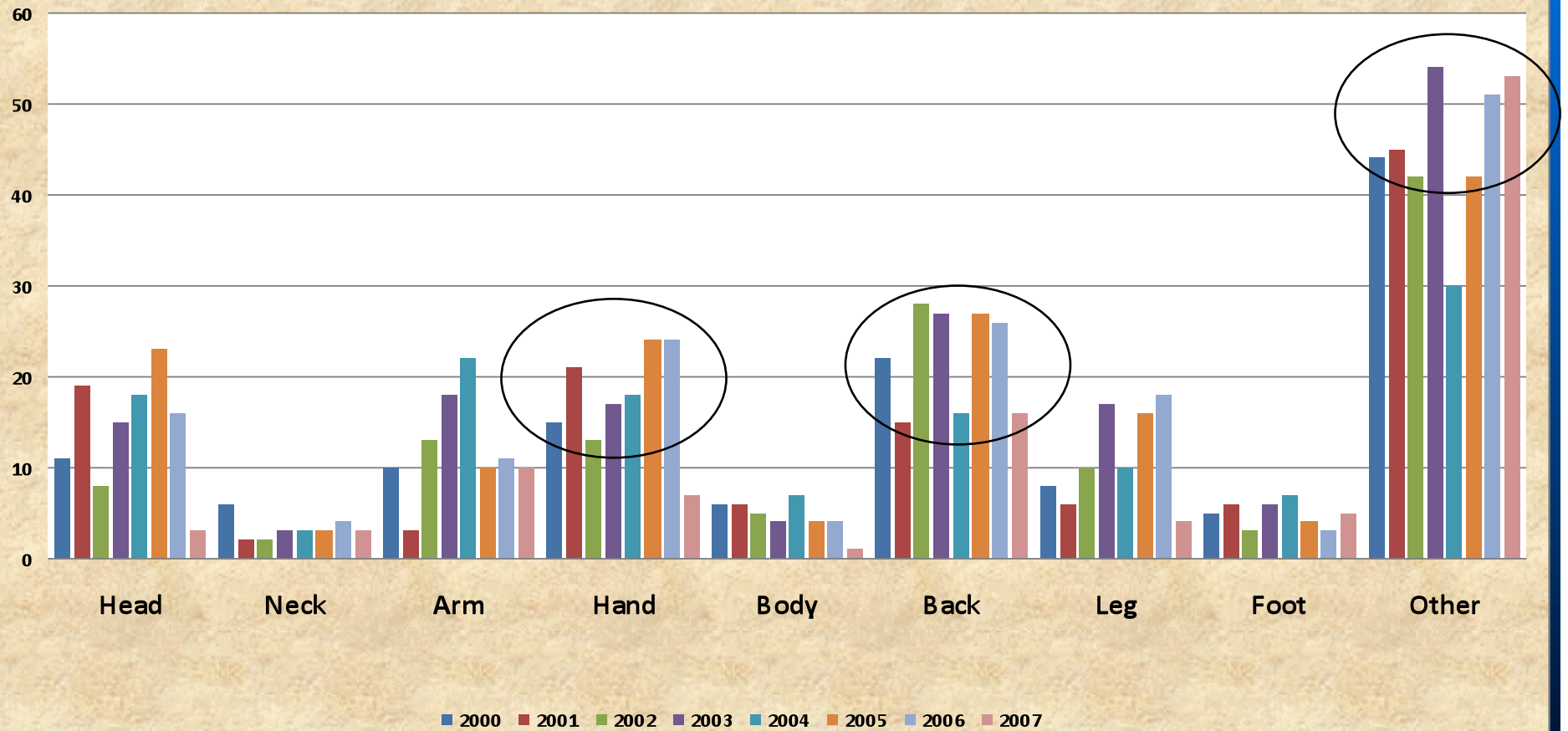


## Slide from last year's survey

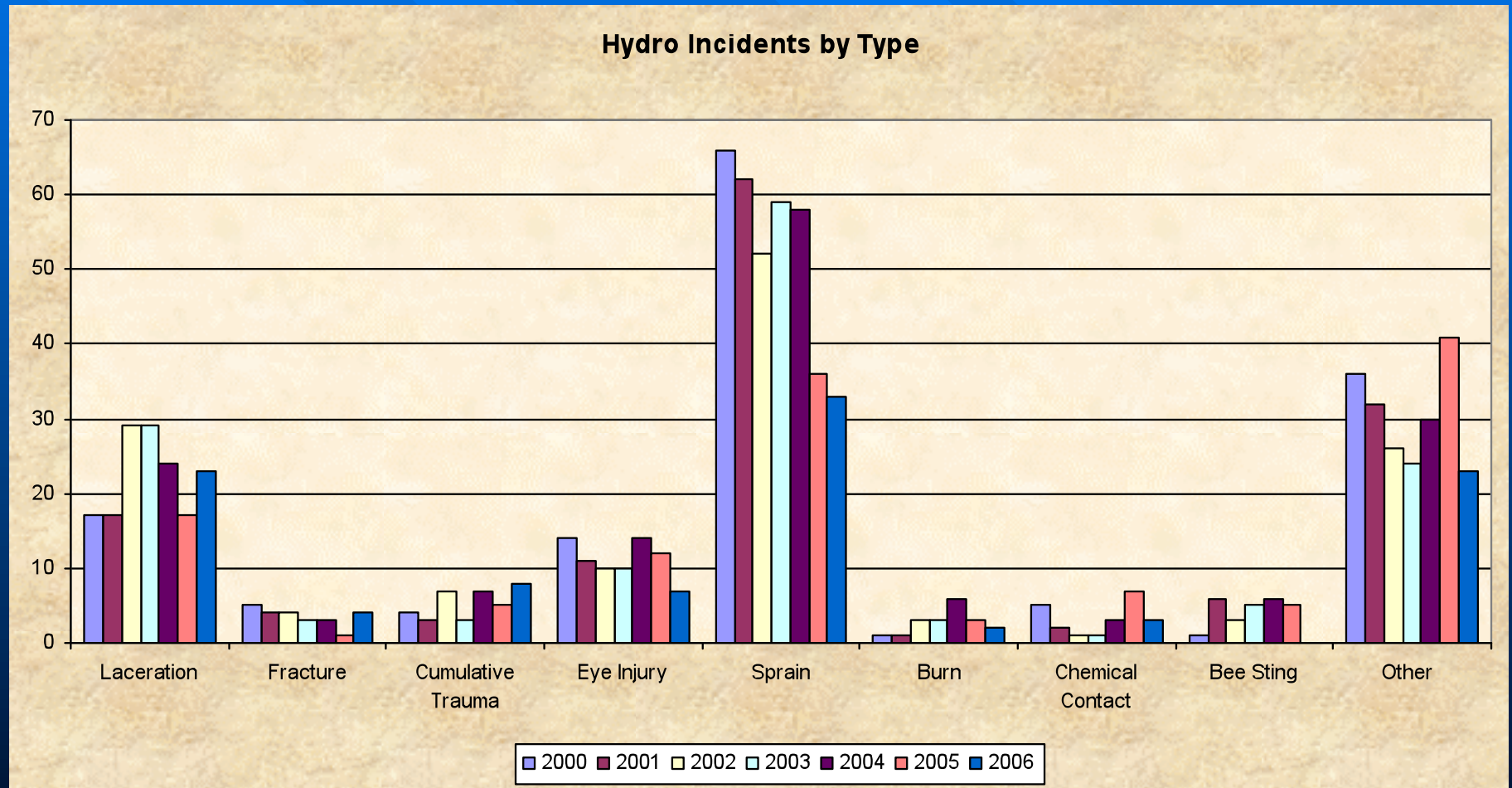
**Hydro Injuries by Body Part**



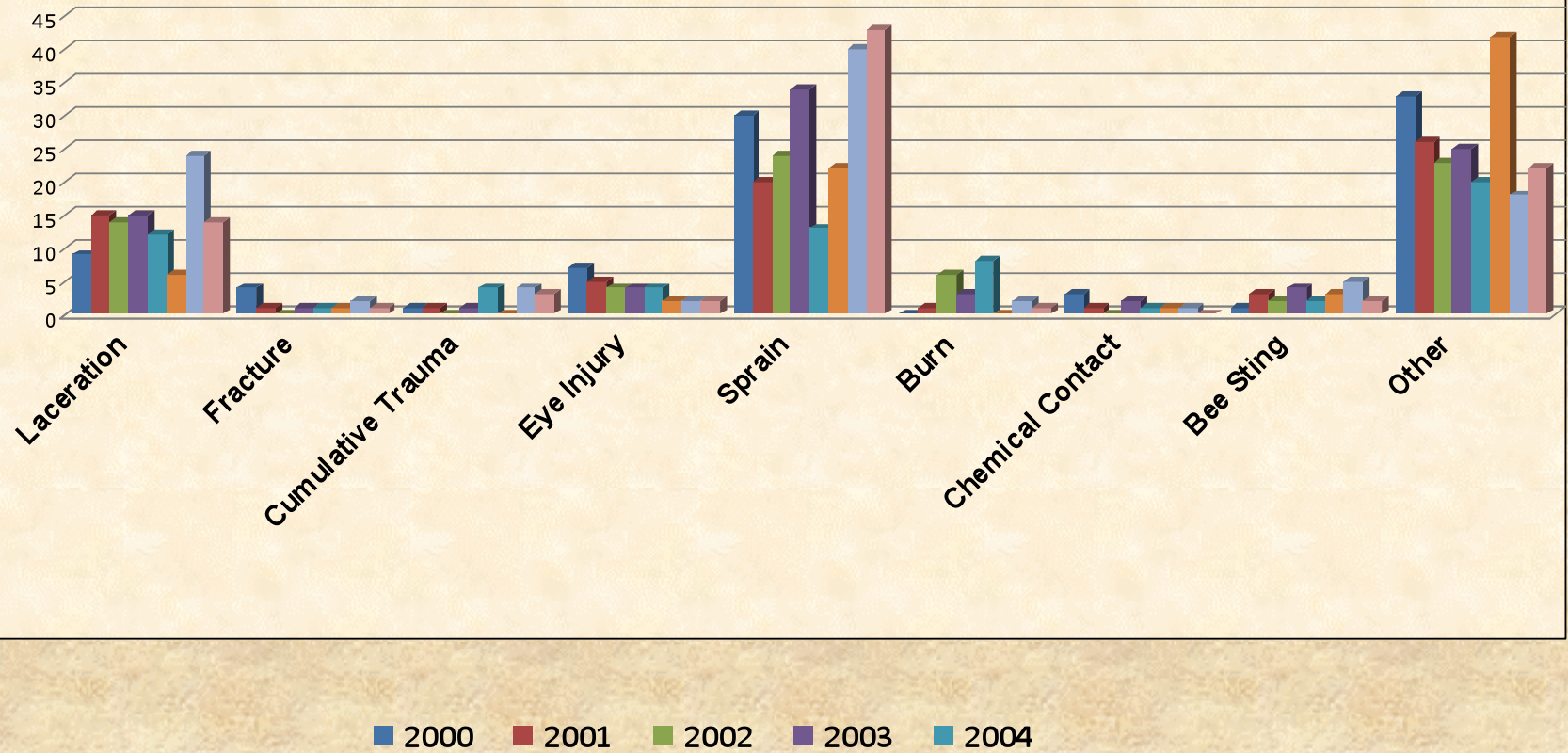
## Hydro Injuries by Body Part



## Slide from last year's survey



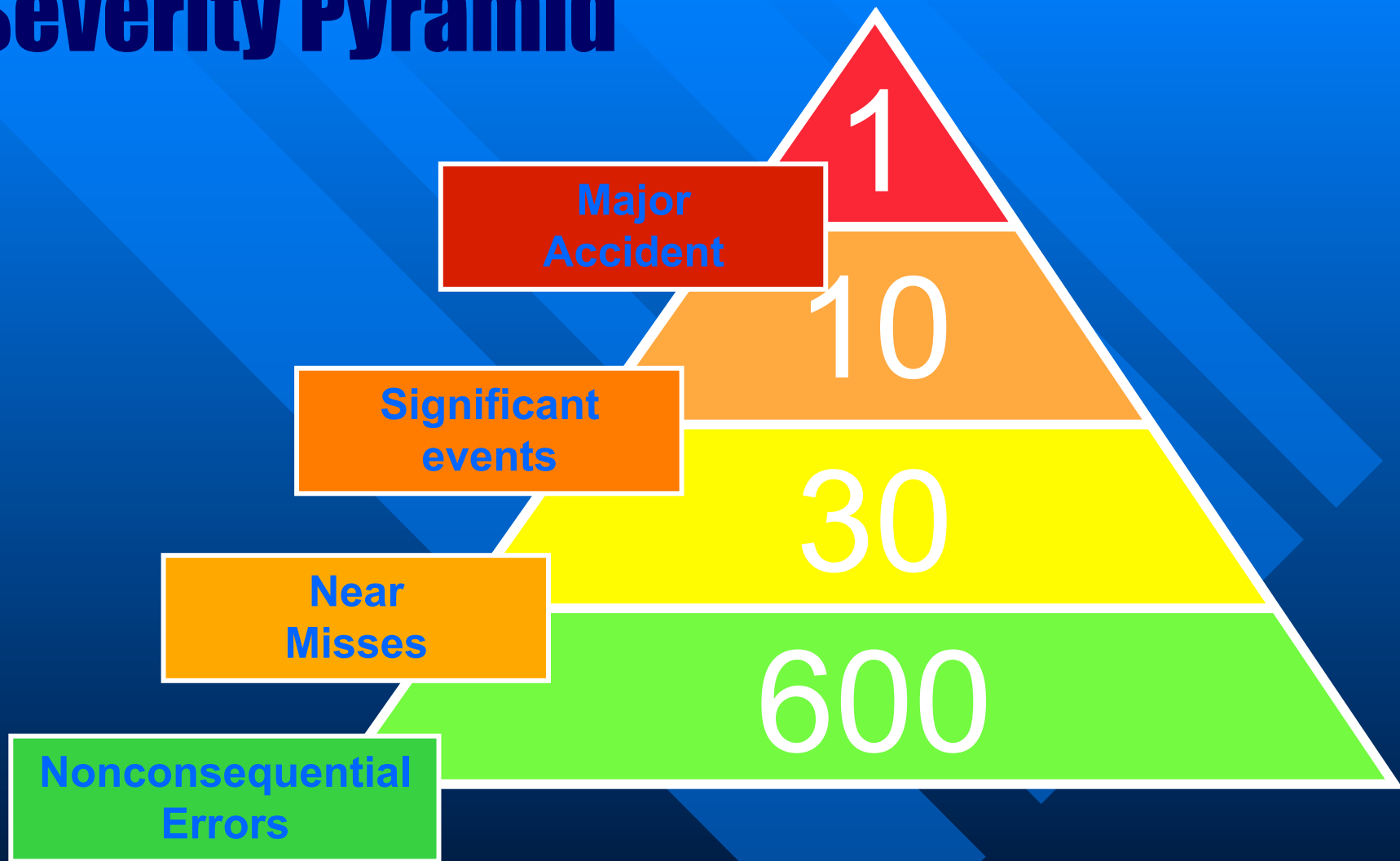
## Injuries by Type of Injury



# Statistical Profile

- Tuesday
- Before Lunch/Break
- 50 year old worker
- Trying to get finished by the end of the day (time pressure)
- Sprained Back/Cut Hand

# Severity Pyramid



Source: Frank Bird, Jr., *Practical Loss Control Leadership*, Det Norske Veritas (formerly International Loss Control Institute), 1969.

# Action Plan/ Business Plan Ideas

- Make employees aware of this trend around lunch or breaks.
- Hold Safety Stand-downs mid-week.
- Hold soft tissue prevention workshops for employees on safety days.
- Encourage stretching before work begins. Hang posters with stretching exercises.
- Have supervisors and foremen learn basic stretching techniques to lead crews in stretching exercises.
- Share data with Employees for heightened awareness.
- Hold employee focus groups to review data and look for other opportunities.

Next Year?

Discussion