

# Mechanism of Agricultural Injuries

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# Canadian Orthopedic Nurses Association Conference

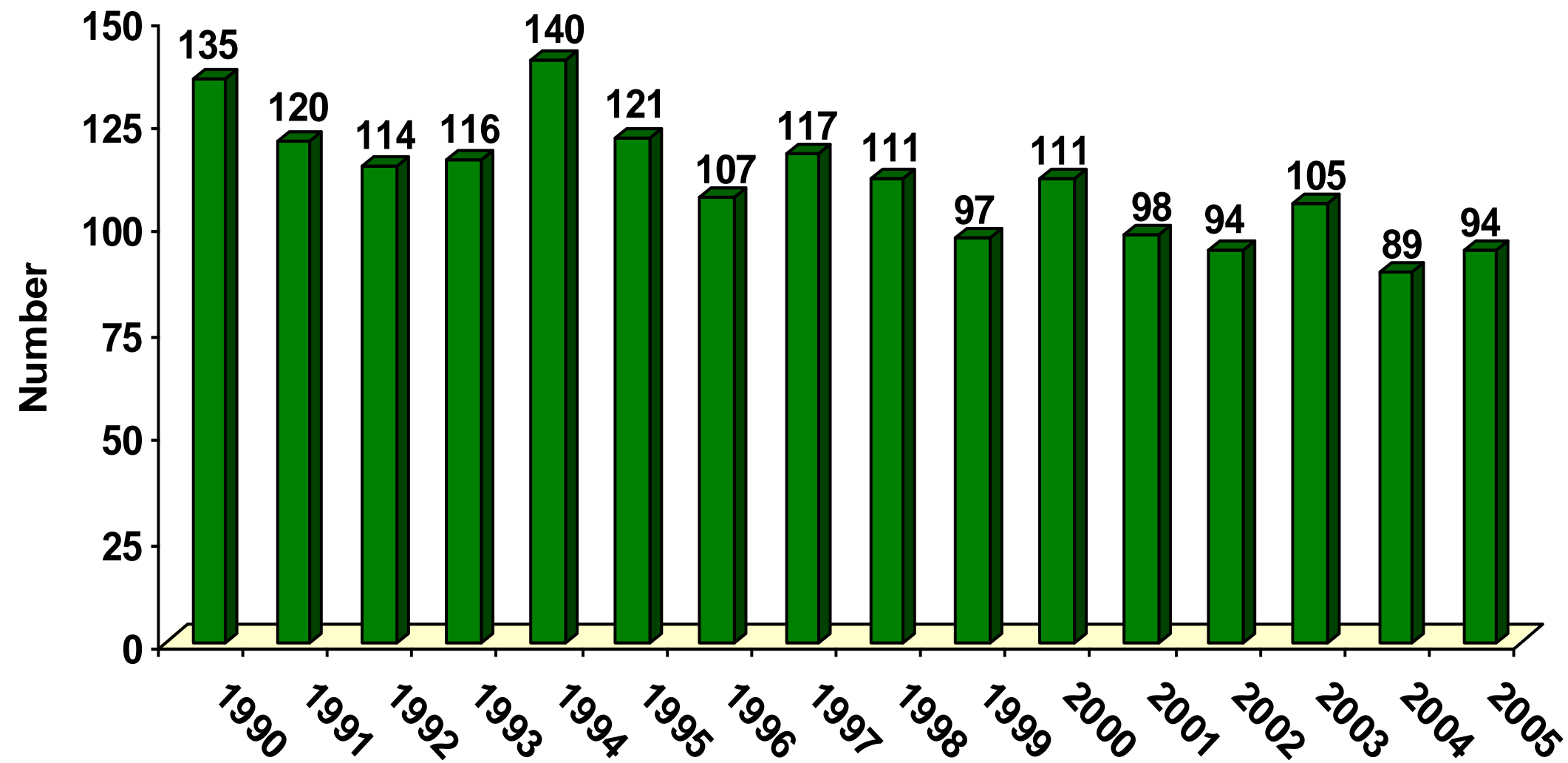
- Winnipeg, June 7, 2011



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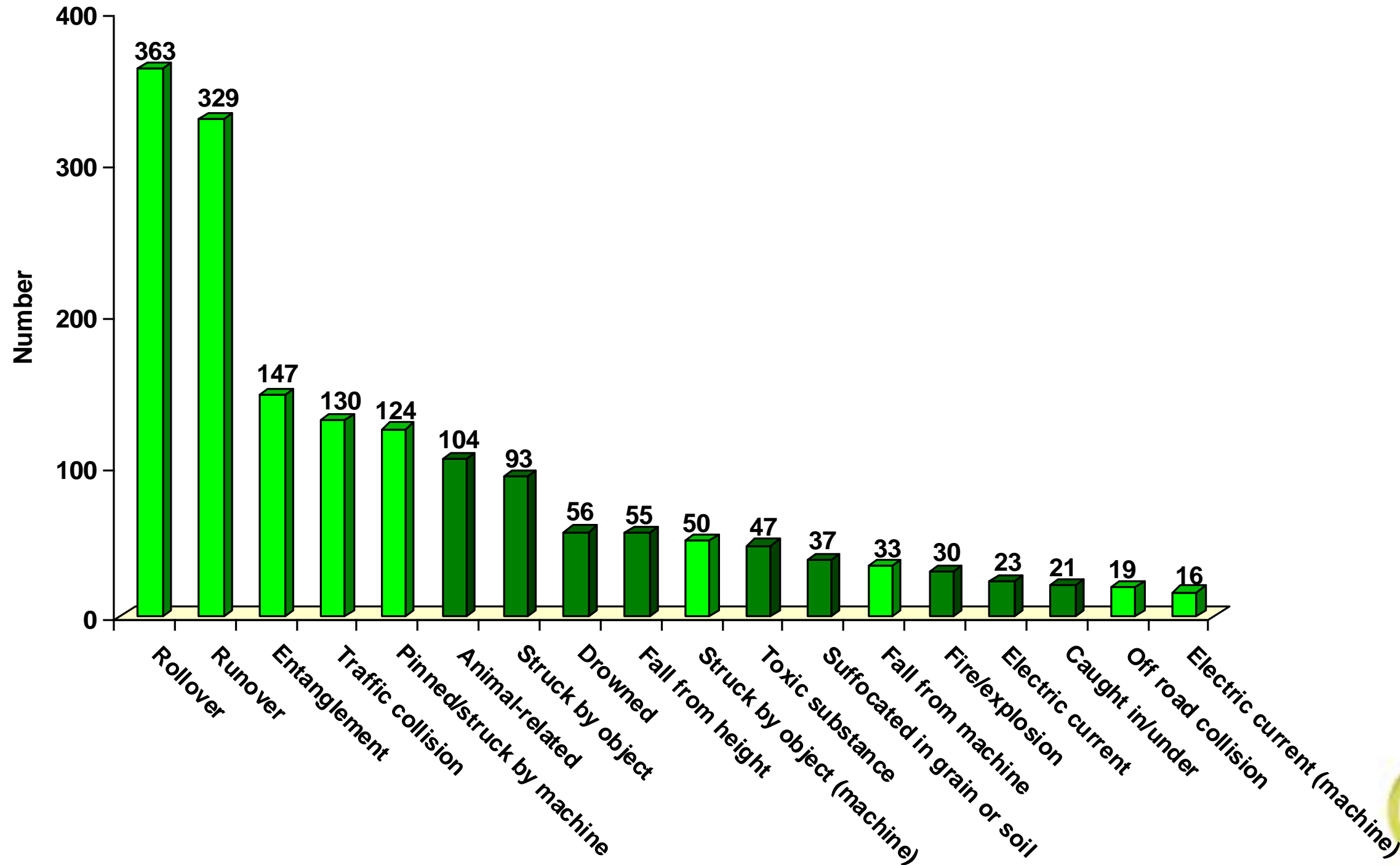
# Canadian Agricultural Injury Reporting (CAIR)

Fatal Agricultural Injuries by Calendar Year, 1990 - 2005

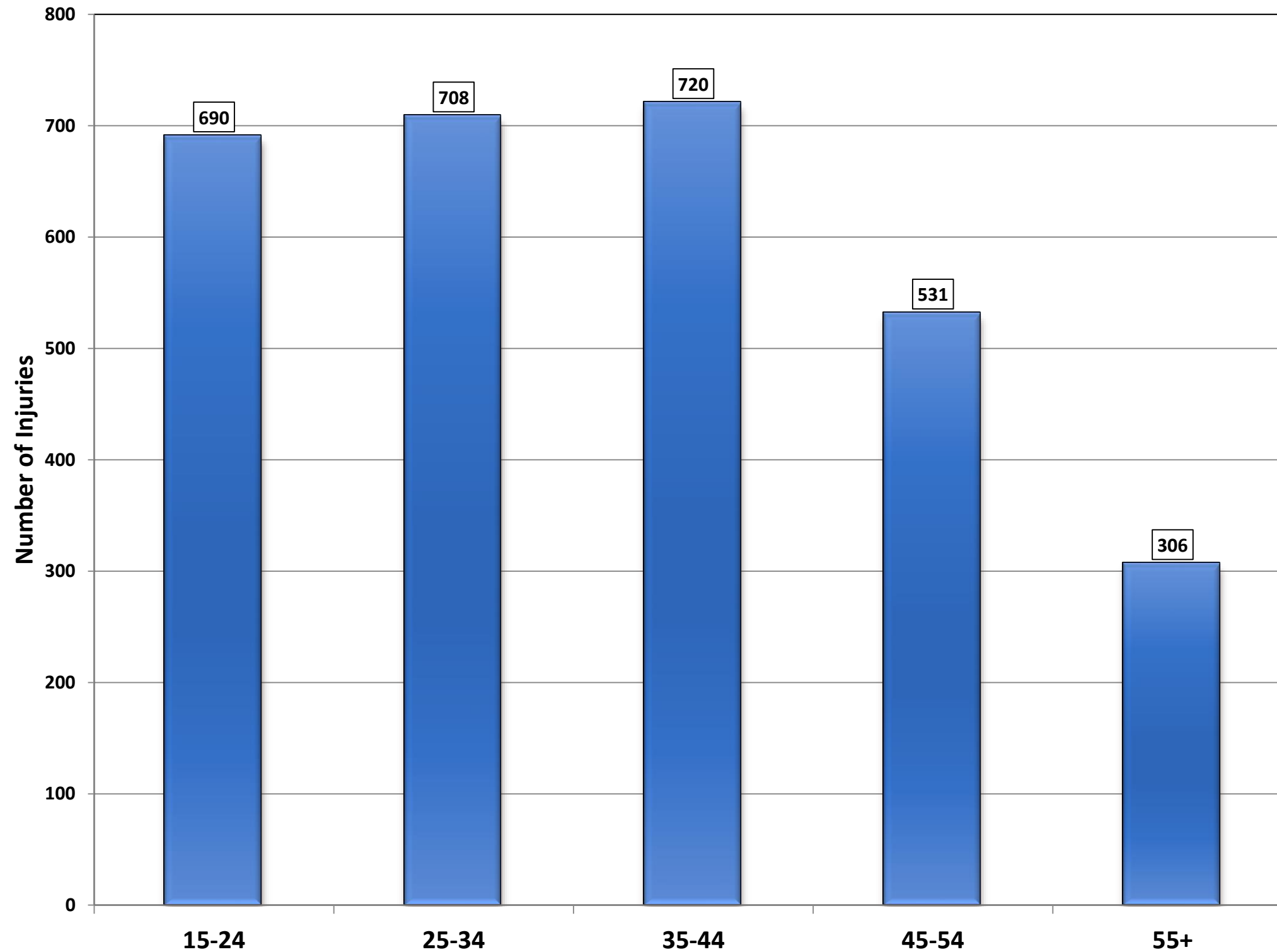


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# CAIR Fatal agricultural injuries by cause of injury, 1990-2005



# # of Injuries By Age 2000-2010



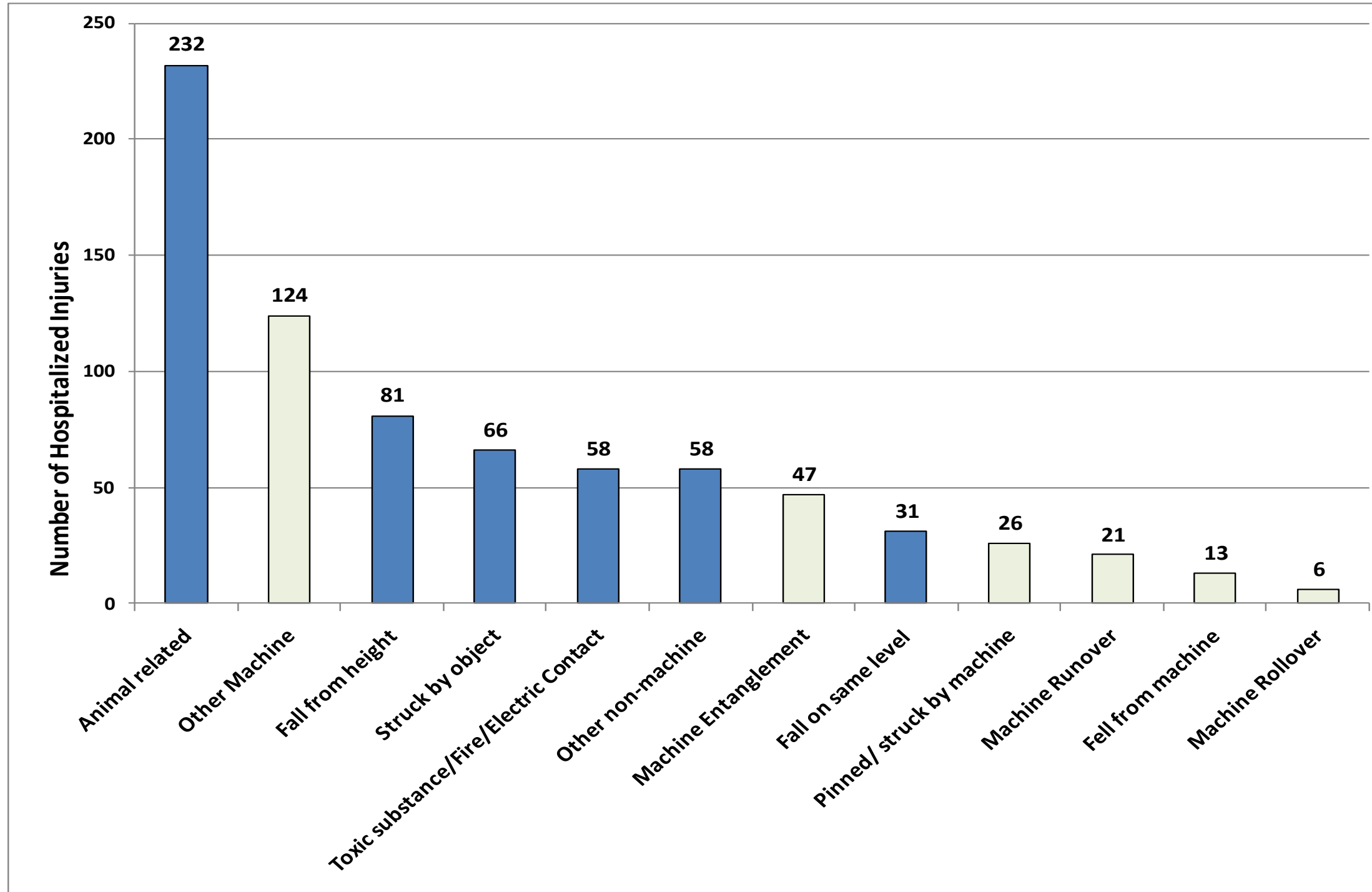
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# Economic Burden of Injury

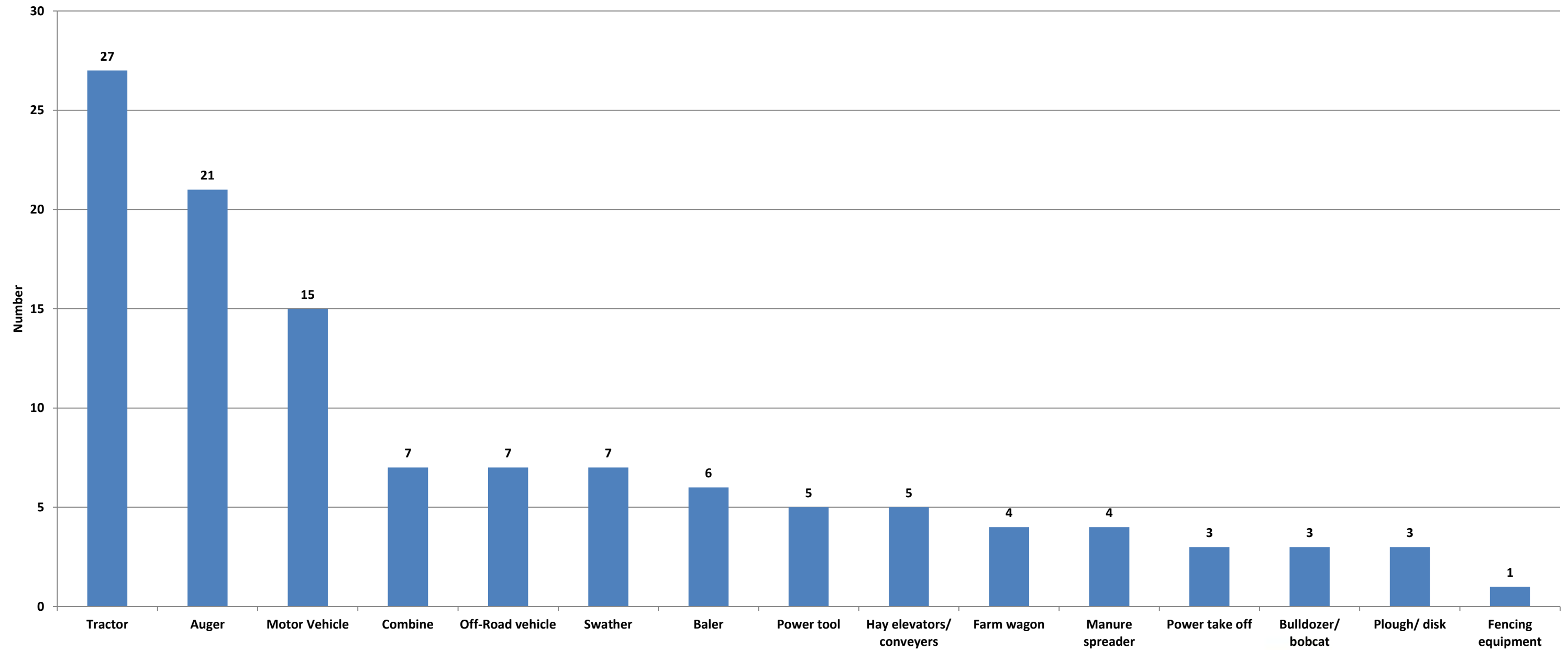
- **In 2004: within the Agricultural Population in Canada:**
  - **\$373 million in total economic costs**
  - **almost 4,000 hospitalized**
  - **over 72,000 emergency room visits**
  - **over 1,000 permanently disabled**
- **The direct costs of agricultural injury in 2004 were \$208 million.**
- **The indirect costs were \$165 million.**



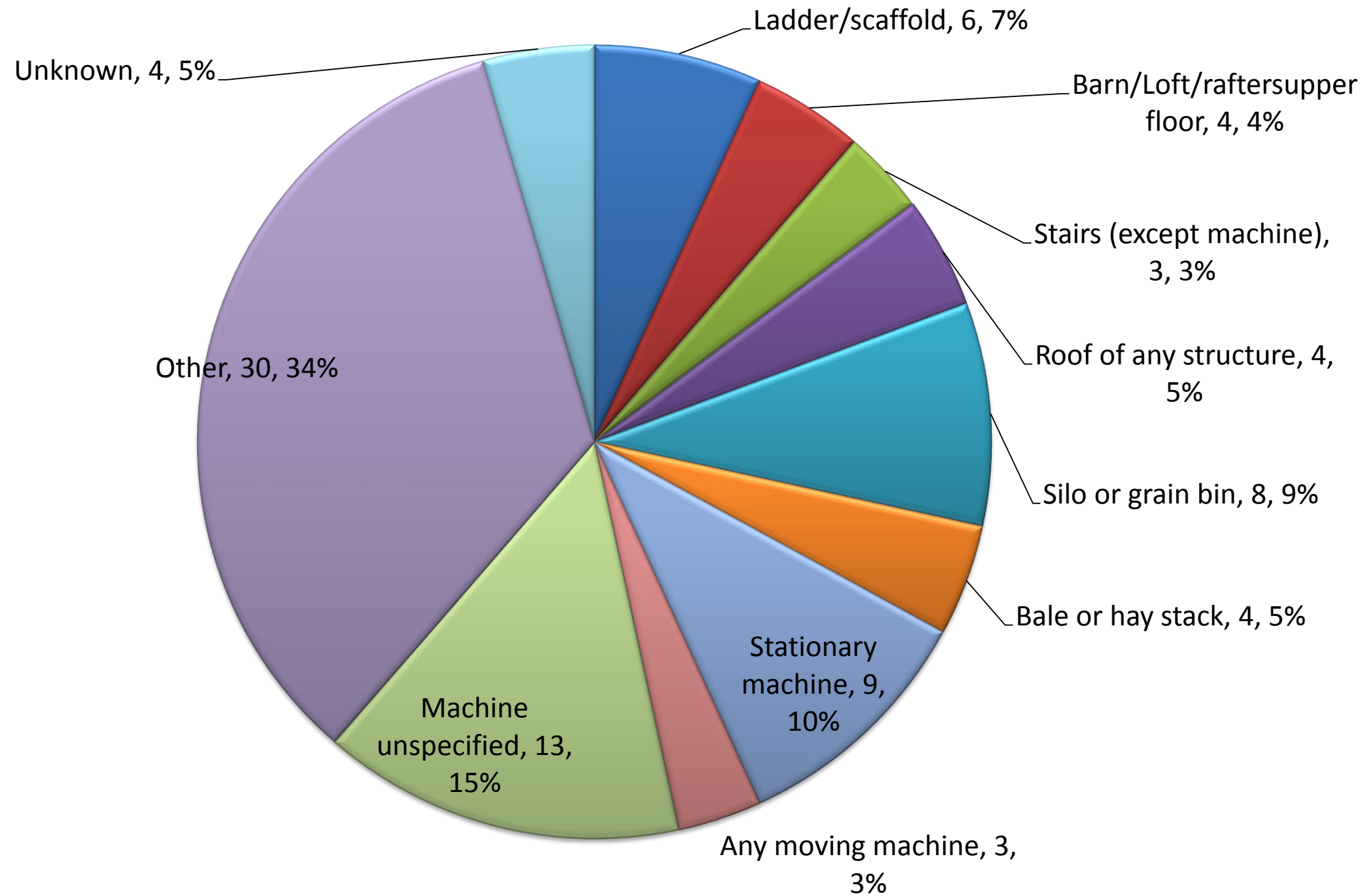
# Manitoba Causes of Injury - Machine and Non-Machine Related, 2000-2008



# Type of Machinery Causing Injury, 2004-2008

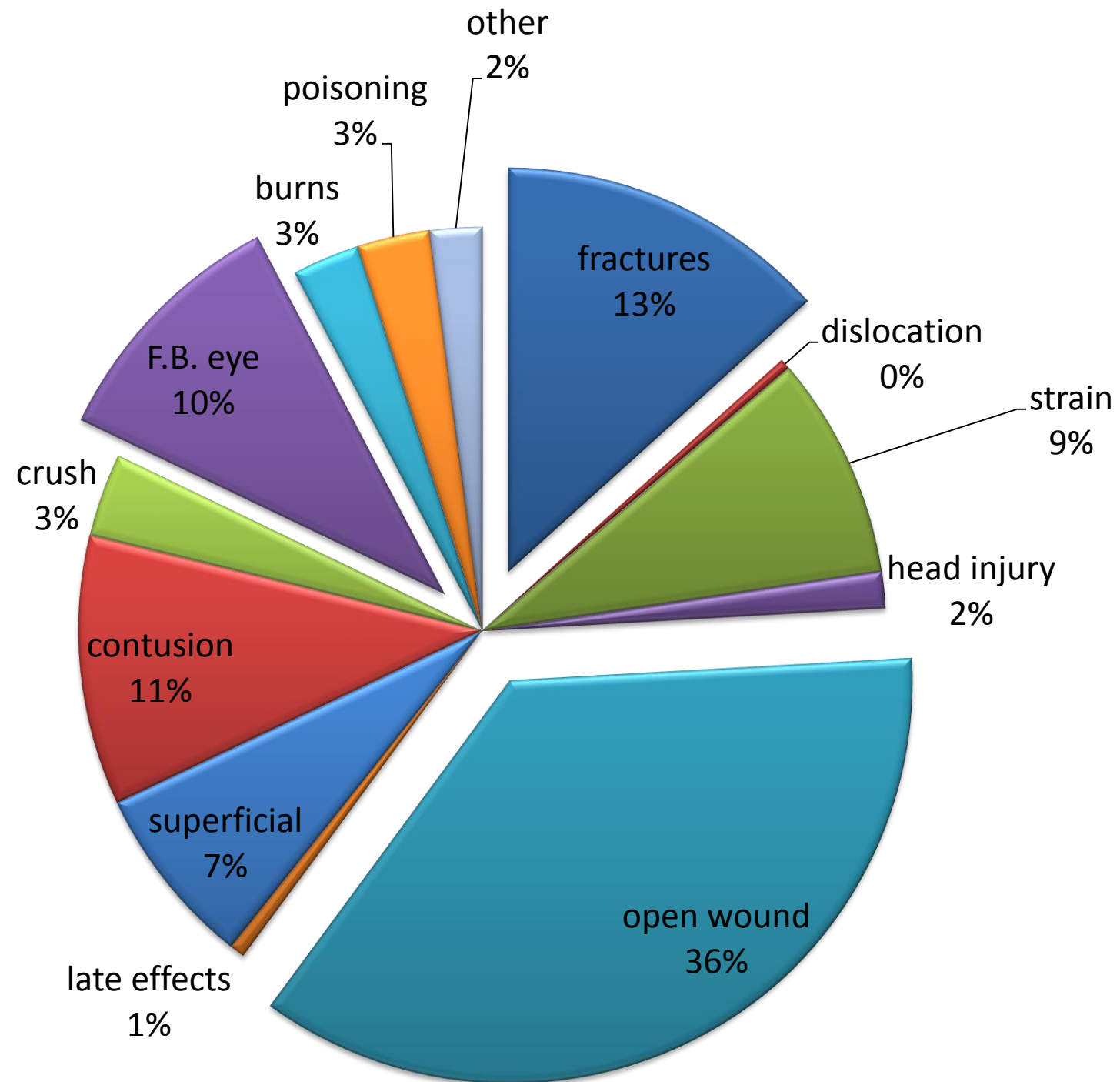


# Manitoba Hospitalized Injuries by Falls by Cause, 2004-2008



# Manitoba Physical Clinic Visits (AIISP 1994 – 97)

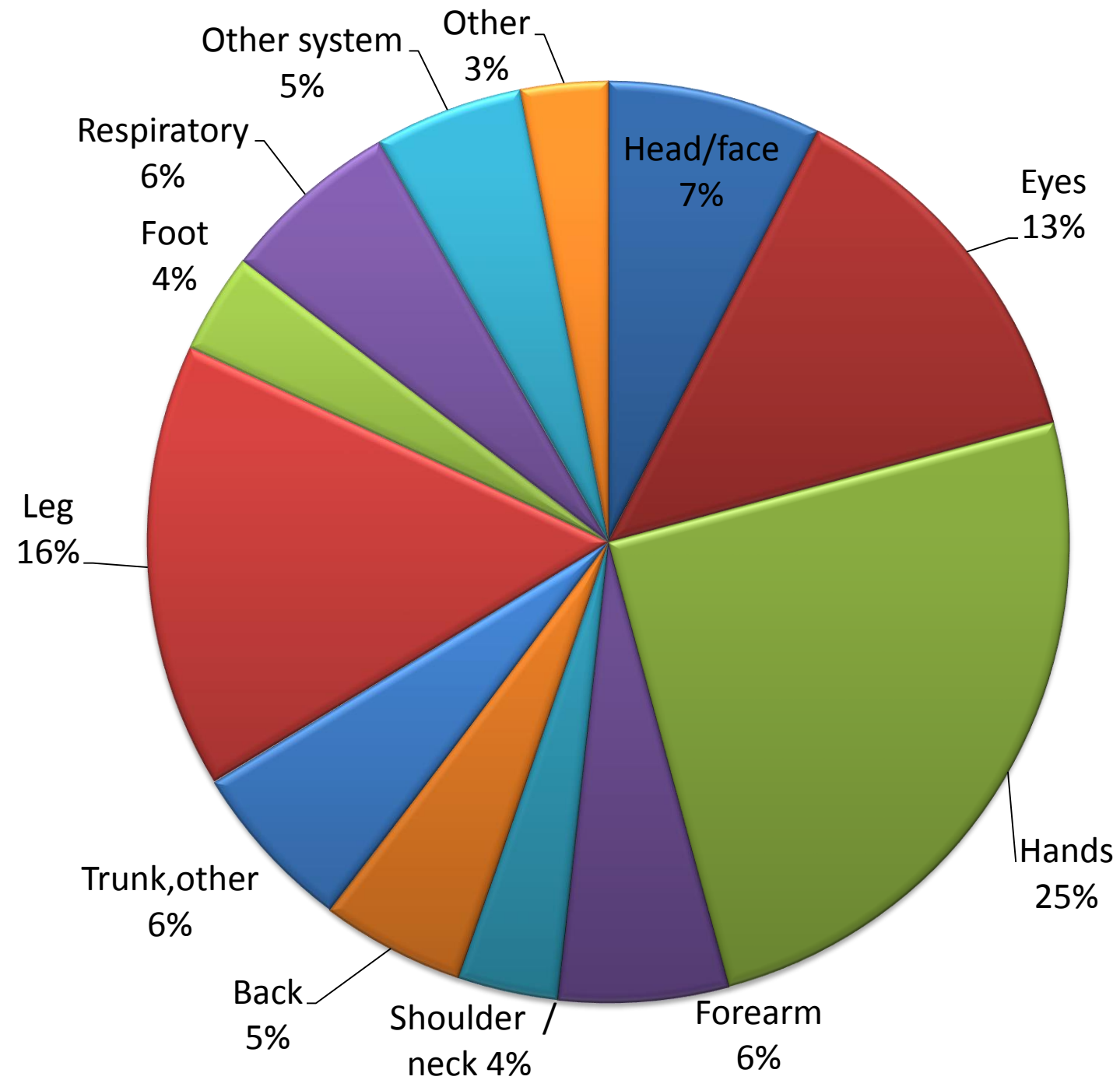
Injury Diagnoses (ICD9CM – 800.0+), n=481



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# Manitoba AIISP 1994-97

## Body Part (n=653)

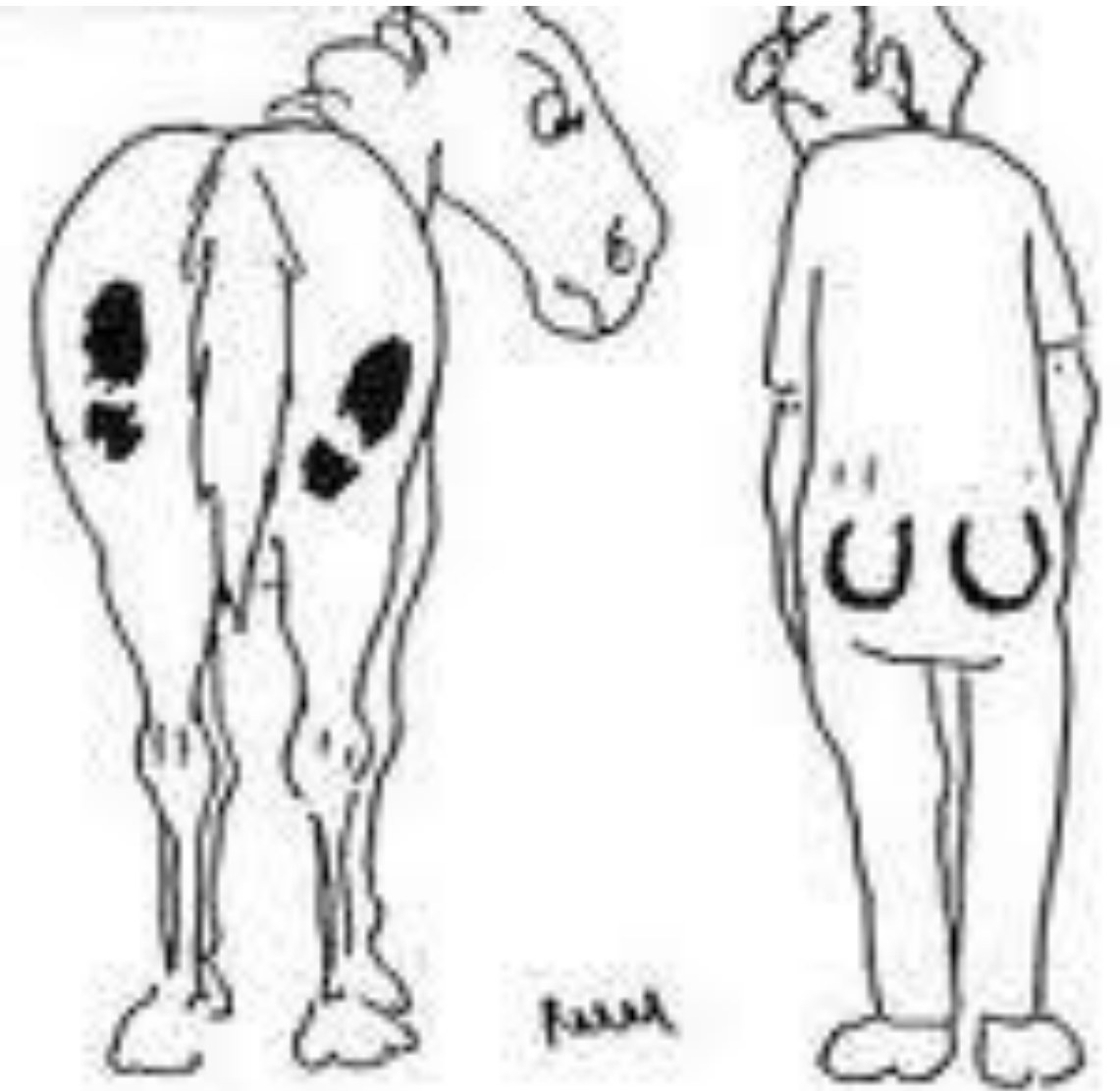


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# Livestock Handling



# Livestock Handling



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# Livestock



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# Side Rollover



# Machinery Entanglement



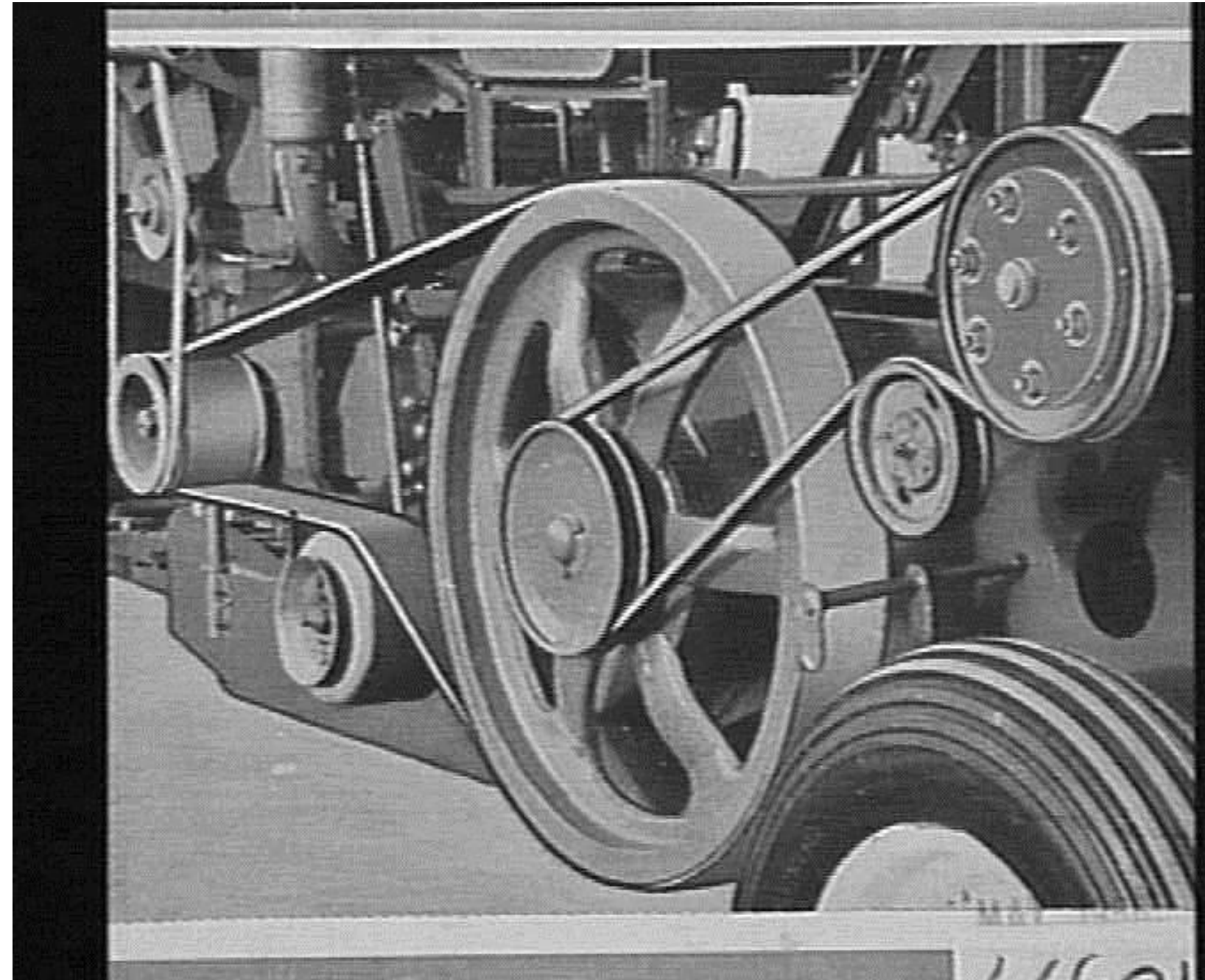
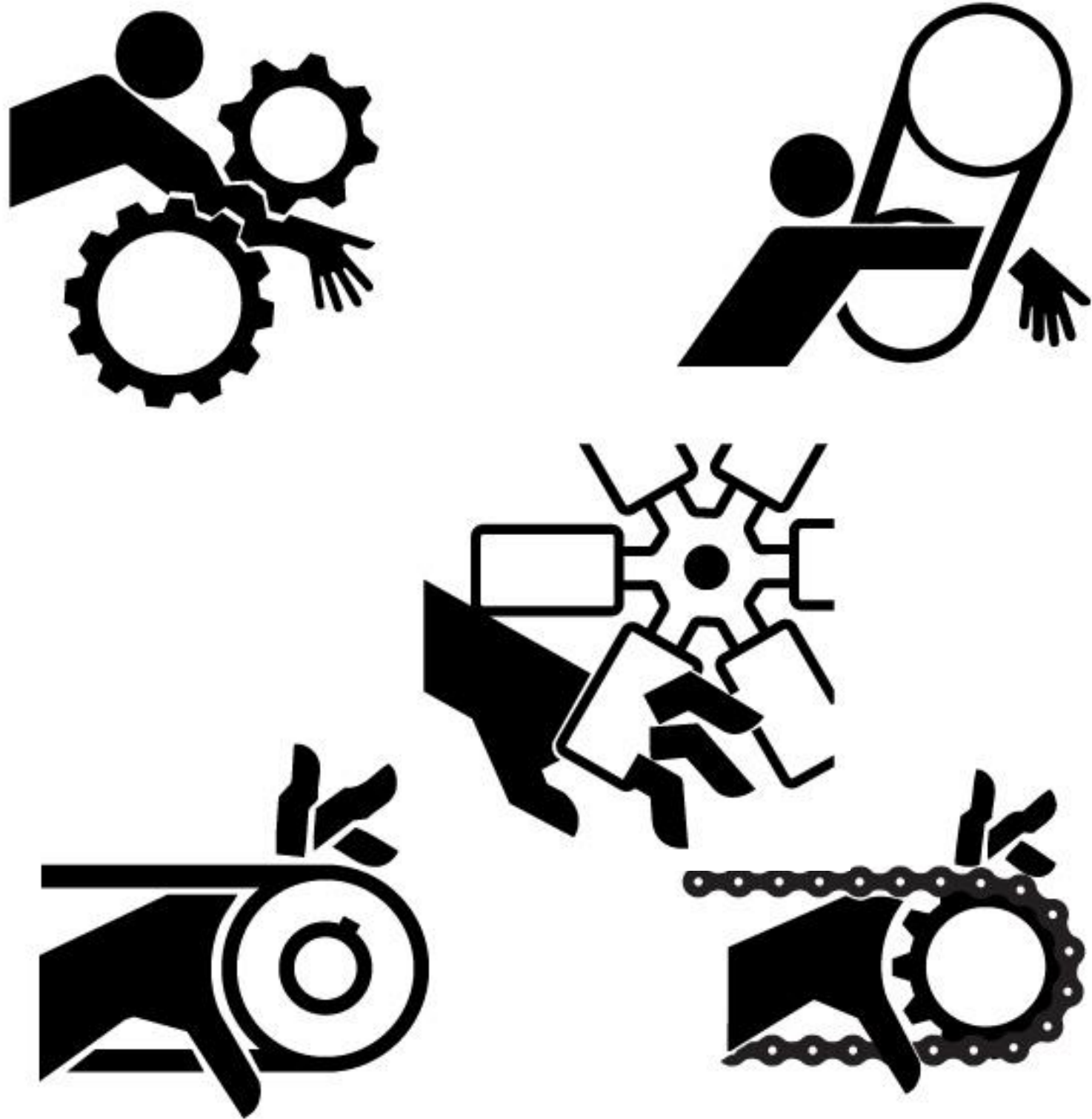
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# Machinery Entanglement



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# Entanglements



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# Entanglement



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# Entanglement – Catapult - Electrocution



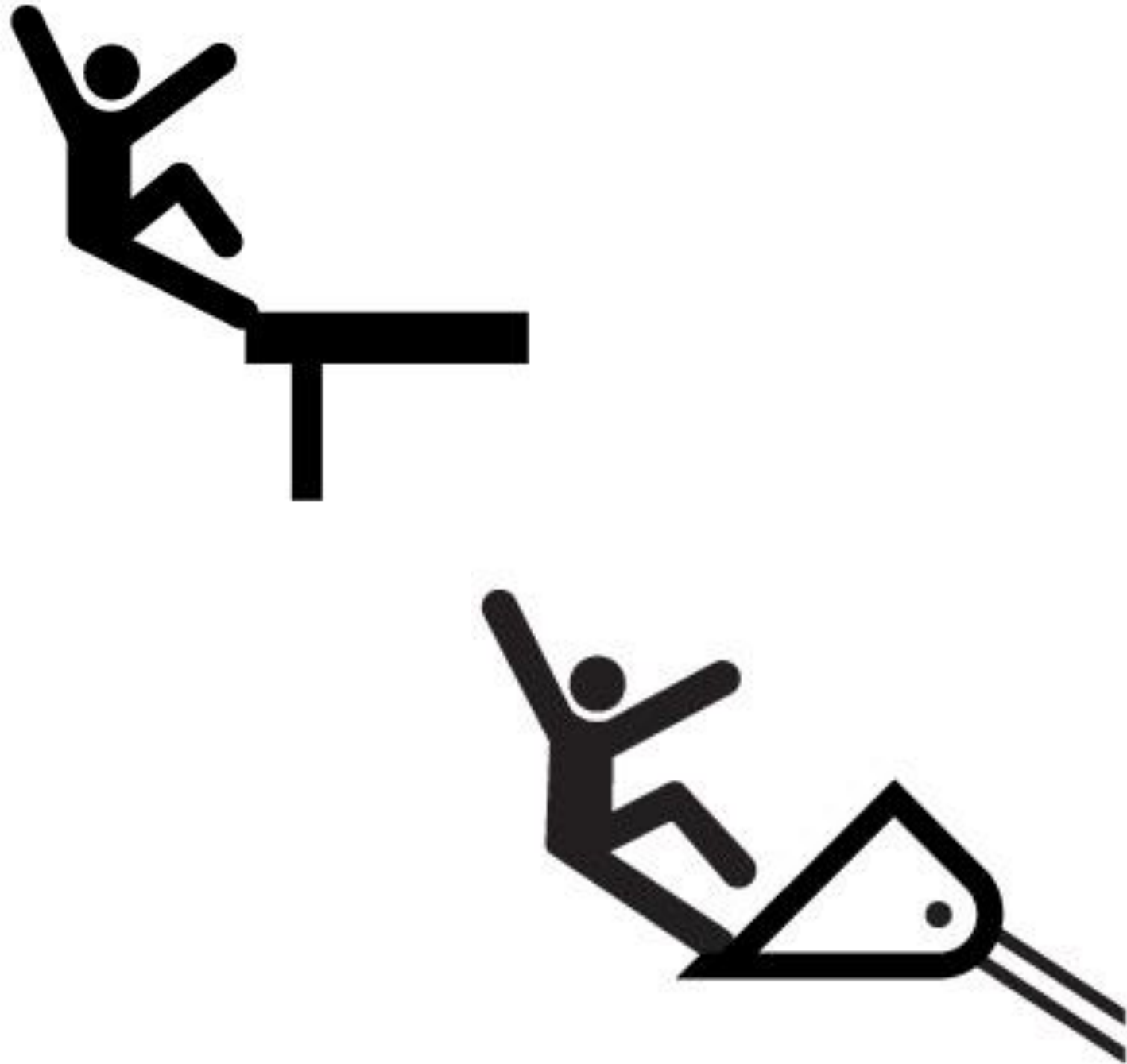
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# Falls From Equipment

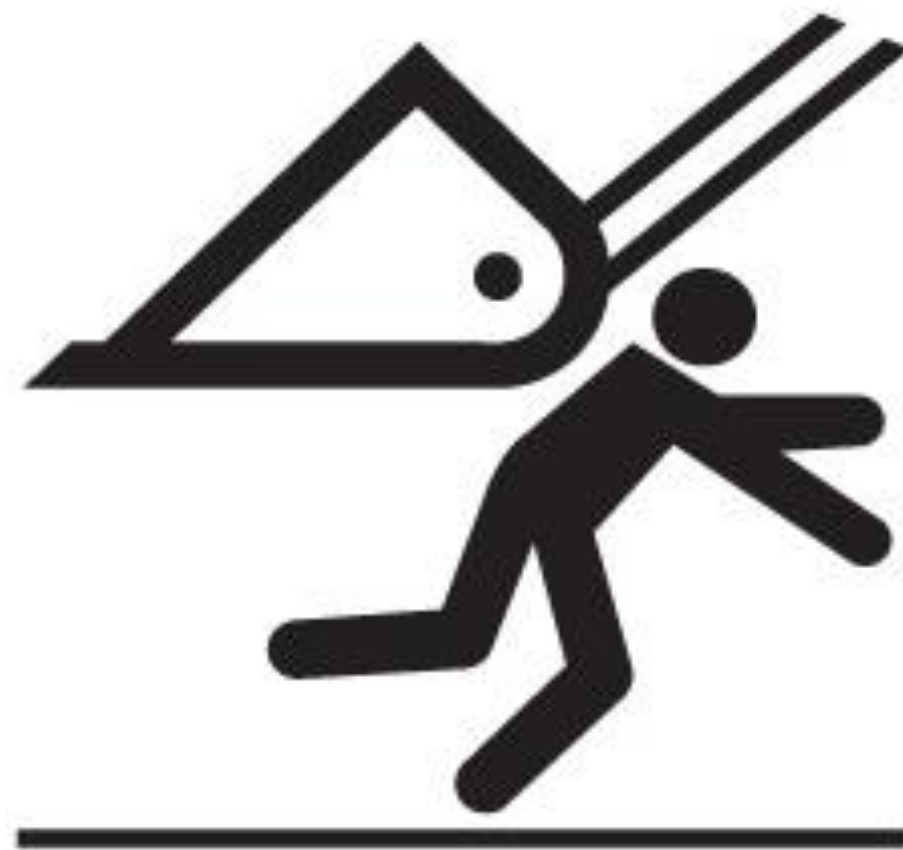


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# Fall – Elevated Work Platform



# Crushed

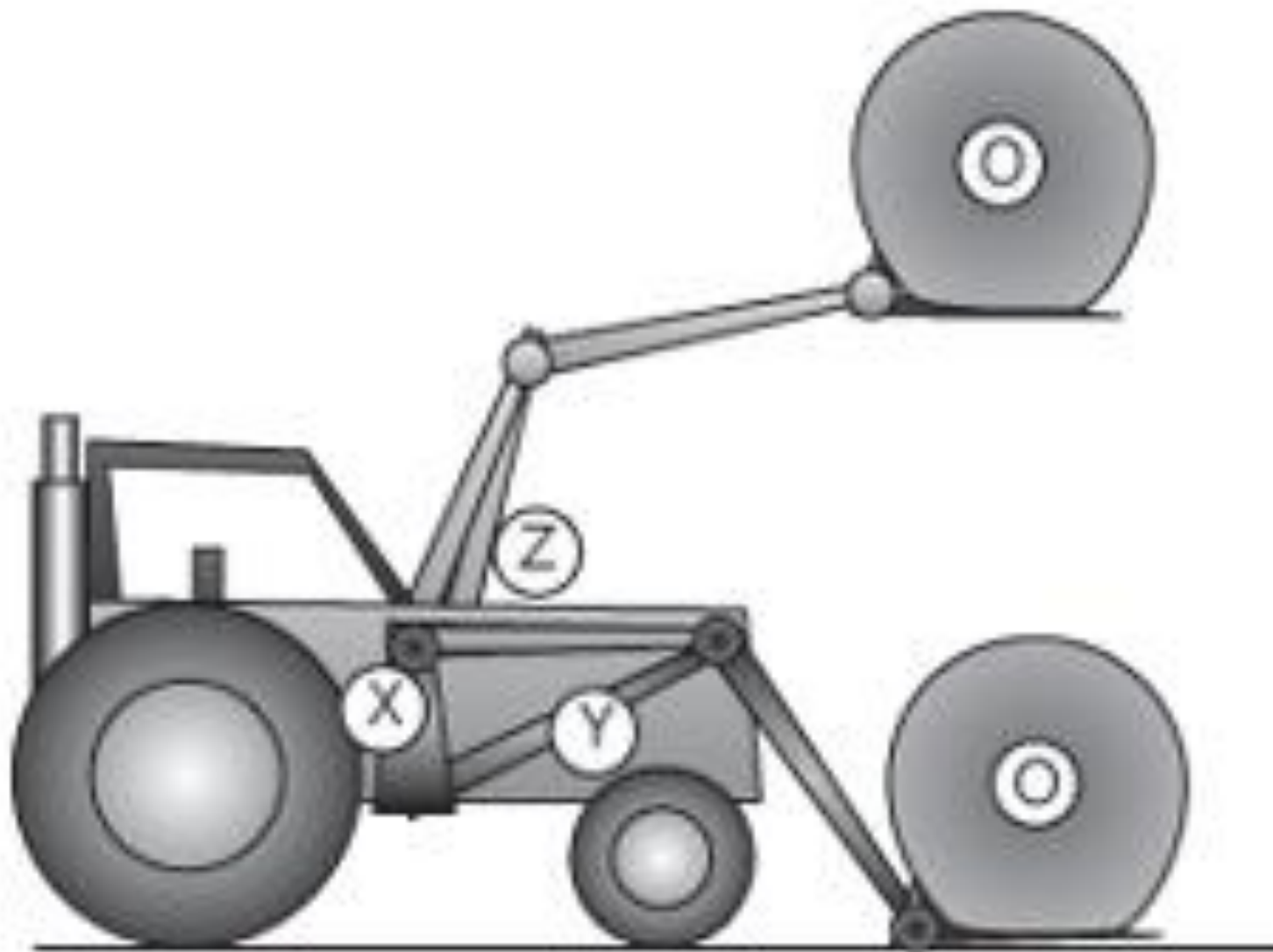


# Crushed

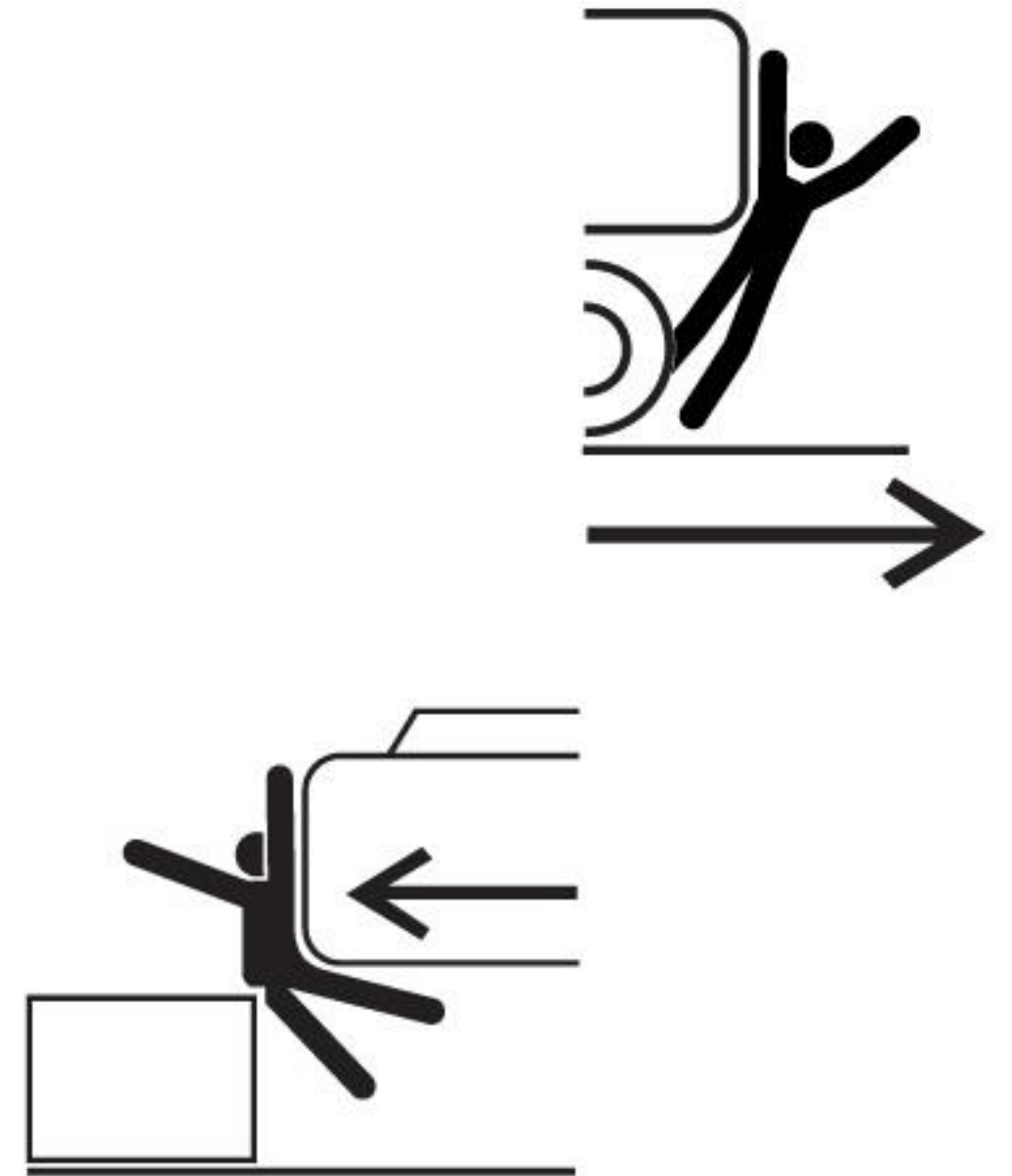


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# Crushed



# Backed Over Crushed



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# Crushed – Struck By



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# Extra Riders - Runovers



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# Extra Rider - Cut



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# Injection - Abrasion



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# Resources

- Provincial
  - Farmers with disability organizations
    - E.g. Farmers With Disabilities in Manitoba [www.mfwd.ca](http://www.mfwd.ca)
  - Regulatory agencies - WCB's & DoL (Workplace Safety and Health)
  - Farm safety organizations – governmental / non-governmental
- National
  - Canadian Farmers with Disabilities Registry
    - [www.fwdcanada.com](http://www.fwdcanada.com)
  - Canadian Agricultural Safety Association
    - [www.Planfarmsafety.ca](http://www.Planfarmsafety.ca)
- International
  - Agrability [www.agrability.org](http://www.agrability.org)



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Questions

# Thank You

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Workplace Safety and Health Division  
Manitoba Labour and Immigration  
200 – 401 York Avenue  
Winnipeg, MB R3C 0V8  
Tel: 1 204 945-3446  
[www.safemanitoba.com](http://www.safemanitoba.com)

Canadian Agricultural Safety Association  
3325 – C Pembina Highway  
Winnipeg MB R3V 0A2  
Tel: 1-877-452-2272  
[www.planfarmsafety.ca](http://www.planfarmsafety.ca)  
Email: [info@casa-acsa.ca](mailto:info@casa-acsa.ca)



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