

*Rollovers occur when (quad bikes are) ridden by safety conscious operators who are not being stupid. The most alarming lesson from these inquests is that careful, safety conscious individuals lost their lives whilst performing innocuous farming tasks on familiar terrain. (John Olle, Coroner, 17 April 2009)*

# Safety Conscious Riders Still Die

Dave Robertson  
QB Industries  
Queensland  
Australia







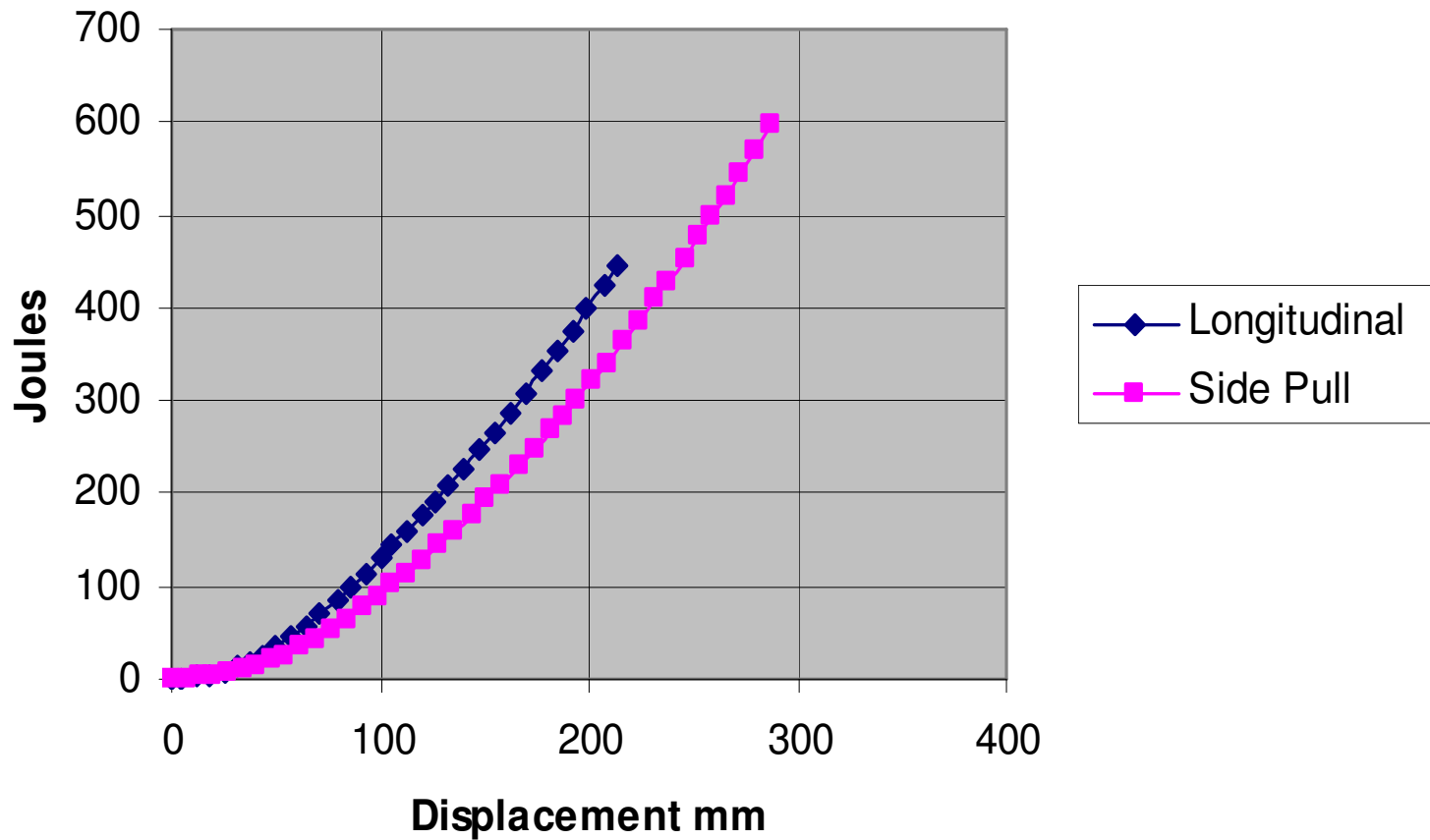


**PROPS** Still a quadbike  
Changes the dynamics  
in an overturn





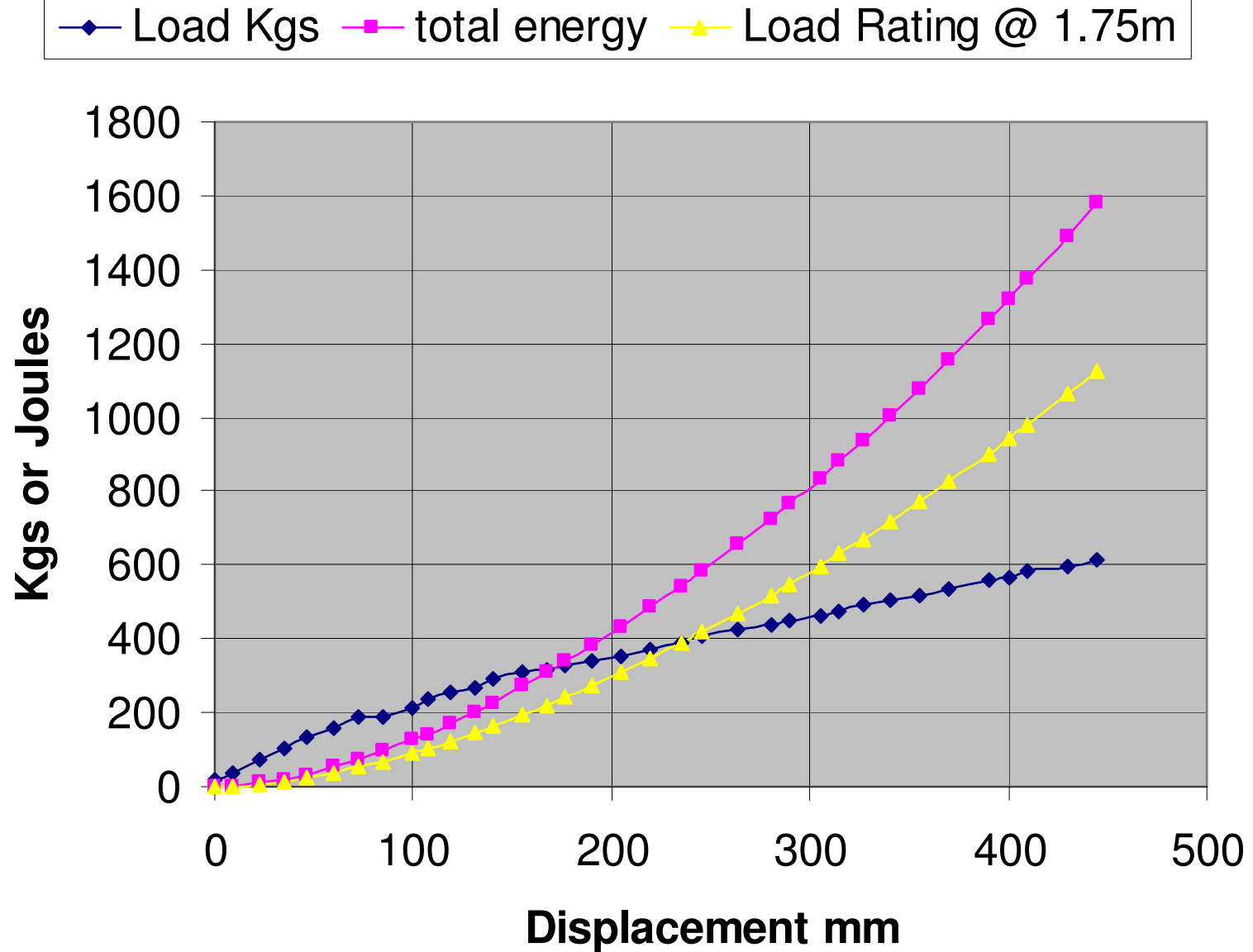
## Total Energy Bar 5 Side and Longitudinal



Requirement of Energy: Longitudinal 420j

Side 525j

## Bar 7 Side Load to UTS



# University of Southern Queensland Research

## **Finds...**

There were no conditions where the ATV with the Quadbar fitted resulted in a position that was more detrimental to rider safety than the ATV without protection

## **And concludes...**

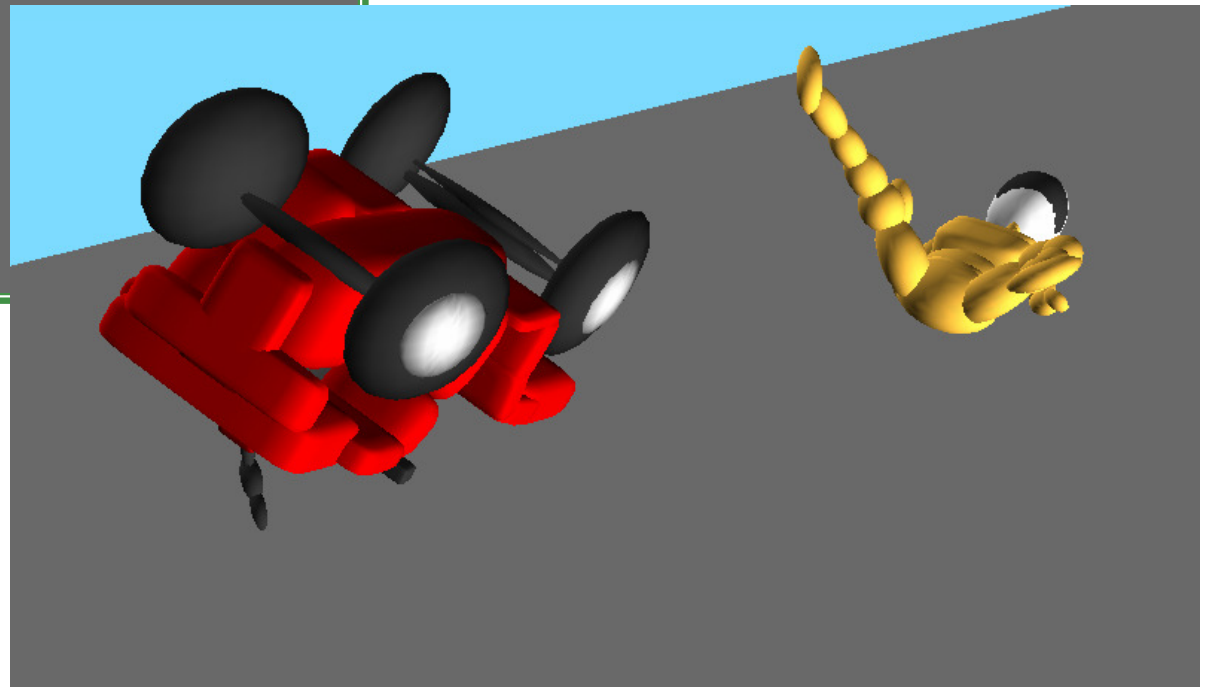
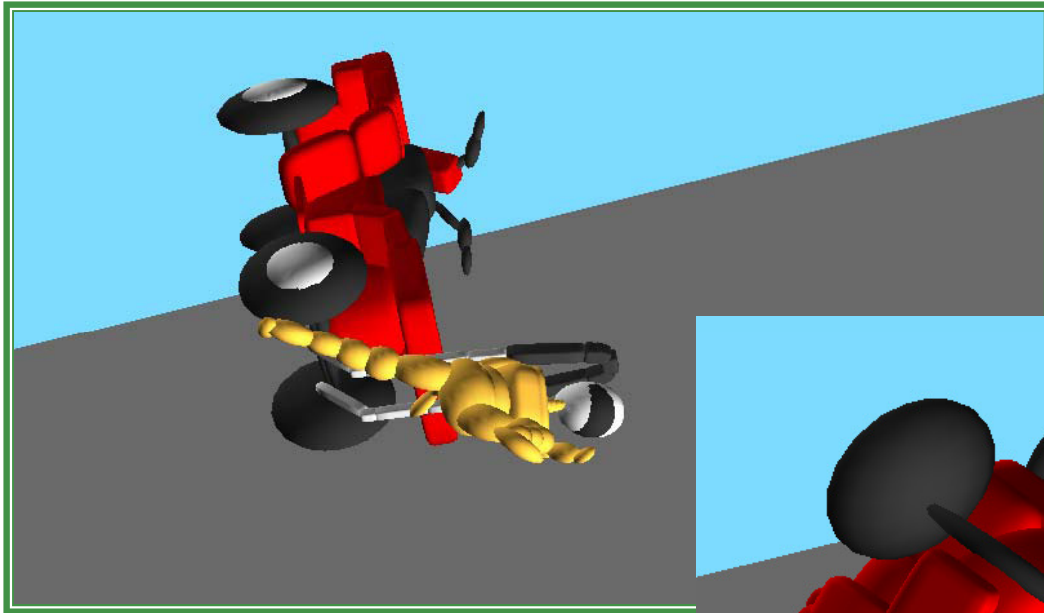
The Quadbar passive Roll over Protection device is effective in reducing the likelihood of a rider injury in ATV sideways rollover and backflip and should be considered an essential safety feature of ATV's in the workplace and recreational environment



Dynamic Research, Inc.

AN ASSESSMENT OF THE EFFECTS OF  
THE ROBERTSON V-BAR ROPS  
ON THE RISK OF RIDER INJURY DUE TO OVERTURNS  
RESULTING FROM ATV MISUSE  
DRI-TR-07-14  
Technical Report

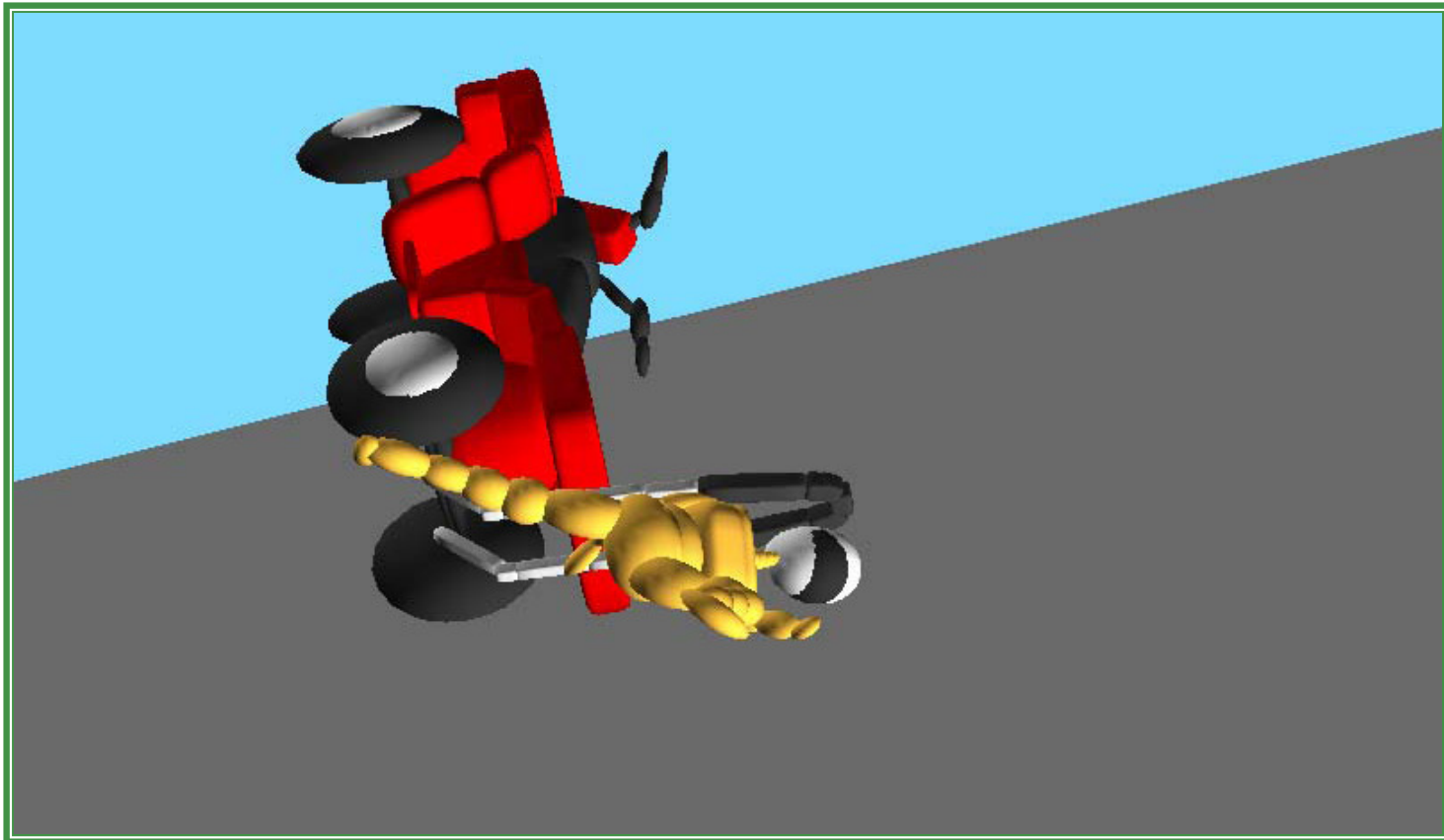
# Example Case with V-Bar Striking Rider (UK HSE Case 61)



With ROPS Injury recorded =

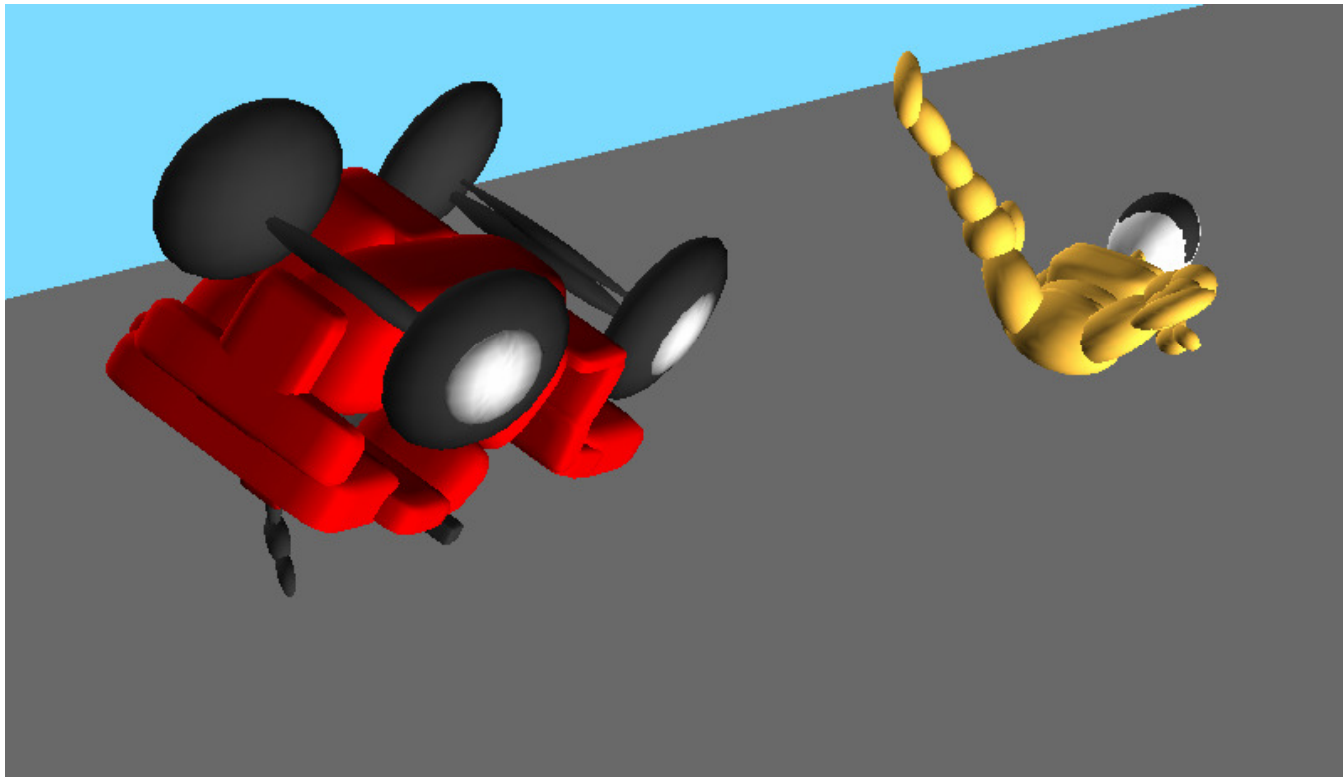
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a) with V-Bar ROPS



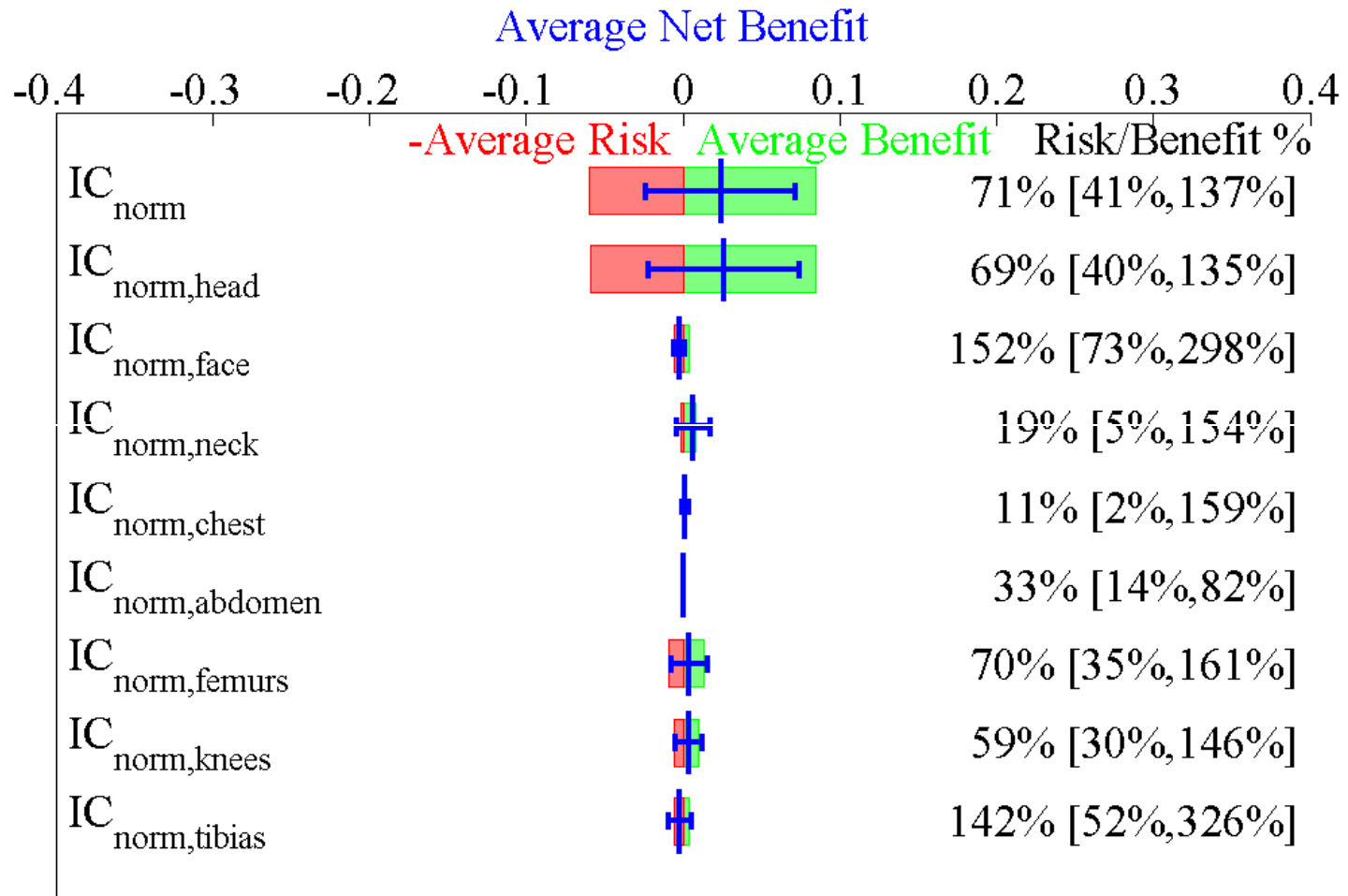
# Without ROPS Injury recorded =

b) without V-Bar ROPS



**Category 1- 3 head injury!**

Estimated Risk and Benefit of  
H. TRX350 with V-Bar ROPS and Unhelmeted/Unbelted Rider  
(113 cases)



# Cultural difference

- In the US & Europe Quadbikes are largely used for recreational use
- On average 2 people die each day on ATV's in the US
- Farm injuries and deaths are lost in the priority to deal with the recreational use

# Conclusion

- There is now clear evidence to show that in workplaces, passive roll over protection has the potential to save lives
- **It is time to act**, quadbike operators have a right to access PROPS for their safety