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23 September 2010

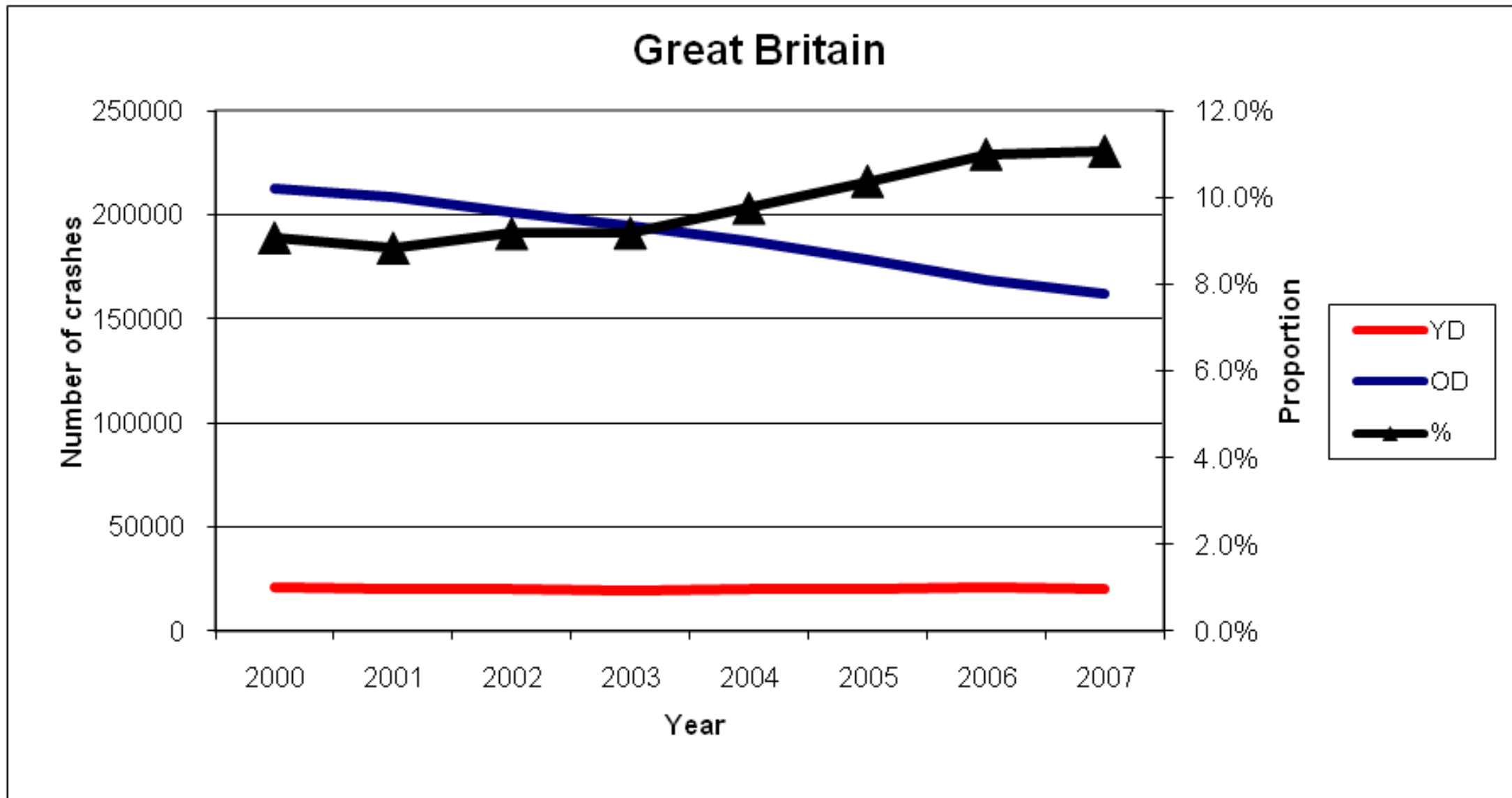
**Road traffic crash casualty injury severity –
crashes involving young drivers compared
with older drivers**

Presenter: Dr Sarah J Jones

Churchill Auditorium, 10am

Introduction

- Crashes declining in Great Britain
- Different patterns of change for different drivers



Road traffic crash casualty injury severity – crashes involving young drivers compared with older drivers



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Last Updated: Friday, 3 November 2006, 16:09 GMT

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Four schoolfriends die in crash

Four teenage girls who were killed in a car crash on a mountain road were school friends from Ebbw Vale, police have said.

The victims were named by Dyfed-Powys Police as Danielle Caswell and Katie Roberts, both 15, and Louise Jones and Kayleigh Parry, who were 16.

They died when a Vauxhall Corsa crashed and rolled on the B4560 Llangynidr to Beaufort Road at 2120 GMT on Thursday.

The driver and front seat passenger, both 17, are both in hospital.

At a news conference on Friday, police revealed the two survivors have not yet been formally told by police about their four friends' deaths.

They are still to be interviewed by officers as they are undergoing treatment at Nevill Hall Hospital in Abergavenny. Their injuries are not said to be life-threatening.

'Not icy'

The mountain road covers open countryside, moor land and hills

VIDEO AND AUDIO NEWS

"Flowers were brought to the scene by grieving family and friends"

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Page last updated at 11:52 GMT, Tuesday, 17 November 2009

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Two teenagers killed in car crash

Two 17-year-old boys have been killed and a third boy was injured in a crash during the night on a road in the Vale of Glamorgan.

South Wales Police said the injured boy, also 17, is being treated in the Princess of Wales Hospital at Bridgend.

The crash, involving a black Suzuki Swift car, happened at 2300 GMT on Monday on Ogmore Road, Ogmore by Sea.

Officers are appealing for anyone who saw the crash or the car being driven before it, to contact them.

Anyone who has information should call South Wales Police on 101.



An injured boy was taken to hospital in Bridgend



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Road traffic crash casualty injury severity – crashes involving young drivers compared with older drivers



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Research question

“Are casualties in young driver crashes likely to sustain more serious injuries than casualties in crashes involving older drivers?”

Methods

- Stats 19 police road traffic crash reports
- Wales, GB
- 2000-2007

- Young drivers aged 17 to 19 years
- Older drivers aged 20+

Analysis

- Casualties
 - Passengers and pedestrians

- Severity
 - Fatal
 - Serious
 - Slight

Results

- 106959 casualties
- 17020 YD casualties

- 12191 pedestrian casualties
- 32265 passenger casualties

Findings – pedestrian casualties

- n=784, 6%, in YD crashes
- n=11407, in OD crashes
- YD 25.5% KSI
- OD 18.8% KSI
- OR 1.48, 95%CI 1.25 to 1.75

Road traffic crash casualty injury severity – crashes involving young drivers compared with older drivers



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Findings – passenger casualties

- n= 4461 (13.8%) in YD vehicle
- n= 2166 (6.7%) in YD crash, OD vehicle
- n= 25638 (79.5%) in OD crash

Findings – passenger casualties

- 12.0% KSI in YD vehicles in YD crashes
- 6.6% KSI in OD vehicles in YD crashes
- OR 1.92, 95%CI 1.59 to 2.33
- 8.7% KSI in OD vehicles in OD crashes
- OR 1.44, 95%CI 1.30 to 1.59.

Limitations

- Severity is assigned by police officers
- Analysis of different types of YD crashes not carried out
 - Findings may be different

Conclusion

- Passengers in young driver vehicles and pedestrian casualties injured by young drivers are significantly more likely to be killed or seriously injured than those in older driver vehicles or injured in older driver crashes

“The most dangerous thing most teenagers will ever do is drive, or ride as a passenger with a teen driver”

Foss and Goodwin, 2003

Now



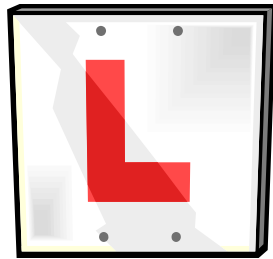
Learner period; un-restricted duration



Un-restricted full licence



- 1 in 5 newly qualified drivers crash within 6 months of obtaining their licence.
- Most newly qualified drivers are aged under 25.
- 4 people per day are killed or seriously injured in crashes involving young drivers in the UK

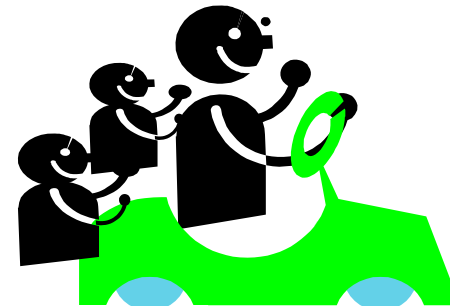


Minimum length learner period

With Graduated Driver Licensing



Fixed term, restricted intermediate period – no night time driving, no teen passengers, no alcohol



Graduated driver licensing could save 236 lives a year in Great Britain, prevent 14,000 casualties and save the GB economy £889M per year

Acknowledgements

- Dot Begg, IPRU, University of Otago, New Zealand
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