





Driving is one of the main health threats for young people





What should parents do?

- Rely on professional training?
- Rely on driving test?





What is the evidence?

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Brown, et al (1987);
Christie, (2001);
Christie, (2007);
Ker et al., (2005);
Mayew et al (1998);
Mayew & Simpson, (2002);
Vernick et al., (1999)
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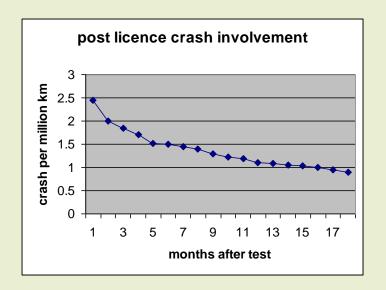
Little evidence to support

- Driver training
- Driver testing





Experience







What should parents do?

- Graduated licensing (graduate exposure to night time driving and driving with peers)
- Increase supervised experience
- Hazard perception





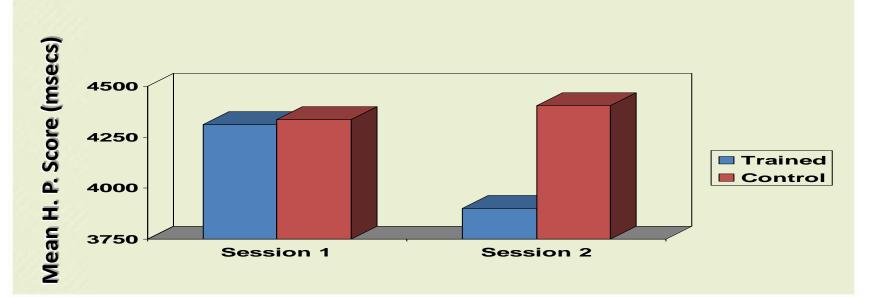
Plausible mechanisms of hazard perception

- directly increase the speed that hazards are detected
- indirectly through decrease in risk taking





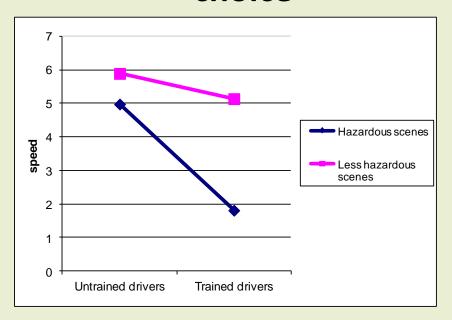
Training







Effect of hazard perception on speed choice







Potential harm mechanisms

- Early licensure
- ❖Increased confidence
- Normalising risky behaviours





Driver testing agencies claim to improve safety

McKenna's Challenge

Prove it





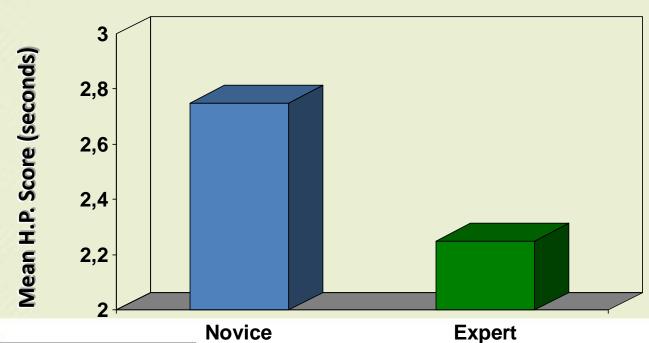
In introducing hazard perception we want the test to be

- Internally consistent
- **❖** Valid





Hazard Perception scores for expert and novice drivers







Dangers of current driver testing

- Little relationship to safety
- Understandable focus on vehicle control can mislead drivers
- ❖ Little ability to control the hazards that happen on the day of the test
- ❖ Difficult to provide a reliable test
- Difficult to provide a valid test





Hazard Perception can help by

- Establishing a relationship with safety
- Emphasising more than vehicle control
- Ability to control hazards presented
- **❖** Ability to provide a reliable test
- ❖Ability to provide a valid test





Any questions?

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