

## Centre for Automotive Safety Research

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Centre for  
Automotive Safety Research

## ACCIDENT

1. Traffic and accidents: are the risks too high? Lecture delivered 11 June 2003, Imperial College, London, United Kingdom.

*Kimber R*

Berkshire : Transport Research Foundation, 2005

24p.

## ACCIDENT ANALYSIS

2. Young adolescent pedestrians' and cyclists' road deaths: an analysis of police accident files.

*Sentinella J; Keigen M*

Berkshire : TRL Limited, 2005

Report no. 620 42p.

Online: [Click here](#)

3. Evaluation of traffic crash fatality causes and effects: a study of fatal traffic crashes in Florida from 1998-2000 focusing on heavy truck crashes.

*Spainhour LK et al*

Florida : Department of Transportation, 2005

563p.

Online: [Click here](#)

## ACCIDENT COSTS

4. External accident costs of motor vehicles revisited.

*Martin L*

Bentley, Western Australia : Curtin University of Technology, Planning and Transport Research Centre, 2005

14p.

From: Proceedings of the 28th Australasian Transport Research Forum ATRF05, Sydney, Australia, 2005

## ACCIDENT PREVENTION

5. British study uses cost analysis to select ways to reduce fatal crashes.

Highway & Vehicle Safety Report 2006; 33(2): 8

## ACCIDENT RATE

6. Comparison between two quasi-induced exposure methods for studying risk factors for road crashes.

*Claret-Lardelli P et al*

American Journal of Epidemiology 2006; 163(2): 188-195

## ADVERTISING

7. Maximising the impact of road safety advertising.

*Haworth N*

Road & Transport Research 2005; 14(4): 3-12

## AGED DRIVER

8. Exposure and accident risk among older drivers.

*Catchpole J et al*

Vermont South : ARRB Group, 2005

Report no. ARR 366 87p.

9. The older driver comes of age.

*Granda TM; Thompson S*

Public Roads 2006; January/February

Online: [Click here](#)

10. New, improved, comprehensive and automated driver's license test and vision screening system.

*Straus SH*

Phoenix, Arizona : Arizona Department of Transportation, 2005

Report no. FHWA-AZ-04-559(1) 438p.

Online: [Click here](#)

## ATTENTION

### 11. Driver distraction in Sydney.

*Baker S; Spina K*

Journal of the Australasian College of Road Safety 2006; 17(1): 26-31

## ATTITUDE

### 12. Attitudes towards vehicle driving behaviour: categorising and contextualising risk.

*Musselwhite C*

Accident Analysis and Prevention 2006; 38(2): 324-334

## BICYCLE HELMET

### 13. A critical examination of arguments against bicycle helmet use and legislation.

*Hagel BE; Pless IB*

Accident Analysis and Prevention 2006; 38(2): 277-278

Commentary on Curnow WJ (2005) The Cochrane Collaboration and bicycle helmets. Accident Analysis and Prevention 37(3): 569-573

## BIOMECHANICS

### 14. Influence of muscle preactivation of the lower limb on impact dynamics in the case of frontal collision.

*Pithioux M et al*

International Journal of Crashworthiness 2006; 10(6): 557-565

## BRAIN INJURY

### 15. Incidence and risk factors of severe traumatic brain injury resulting from road accidents: a population-based study.

*Javouhey E et al*

Accident Analysis and Prevention 2006; 38(2): 225-232

## CHILD

16. Study finds SUVs are not safer for children than passenger cars.

Highway & Vehicle Safety Report 2006; 33(2): 3-4

## CHILD RESTRAINT

17. Cervical spine injuries in children restrained in forward-facing child restraints: a report of two cases.

*Howard A et al*

Journal of Trauma 2005; 59(6): 1504-1506

## CYCLING

18. The Australian national cycling strategy 2005-2010.

Sydney : Austroads, 2005

Report no. AP-C85/05 28p.

Online: [Click here](#)

## DATA COLLECTION

19. Crash records systems: a synthesis of highway practice.

*Delucia BH et al*

Washington DC : Transportation Research Board, 2005

Report no. NCHRP Synthesis 350 43p.

Online: [Click here](#)

## DRINK DRIVING

20. The self-reported impact of legal and non-legal sanctions on a group of recidivist drink drivers.

*Freeman J et al*

Transportation Research, Part F - Traffic Psychology and Behaviour 2006; 9(1): 53-64

## DRIVER BEHAVIOUR

### 21. Behavioural research in road safety 2005: fifteenth seminar.

London : Department for Transport, 2005

Contents:

- I. Department of Health's accidental injury research initiative / Ward H (pp5-18)
- II. Have injury intervention studies addressed inequalities / Towner E (pp19-25)
- III. The neighbourhood road safety initiative: understanding the wider impacts of road safety interventions on the behaviour of communities / NRSI Evaluation Team (pp26-35)
- IV. Traffic calming, childhood pedestrian injury inequality and politics / Lyons RA (pp36-40)
- V. Illicit drugs and driving: prevalence and attitudes / Hope S et al (pp41-48)
- VI. Comparing UK and European drivers on speed and speeding issues: some results from SARTRE 3 survey / Quimby AR (pp49-67)
- VII. Why ride powered two wheelers? / Broughton PS, Stradling SG (pp68-78)
- VIII. Research to inform future speed policy / Ward H (pp79-84)
- IX. Driving by the seat of your pants: a new agenda for research / Fuller R (pp85-93)
- X. Why do drivers break the speed limit? / McKenna FP (pp94-103)
- XI. A multiple case study of work-related road traffic collisions / Clarke DD et al (pp104-118)
- XII. Work related road safety: age, length of service and changes in crash risk / Dorn L, Muncie H (pp119-134)
- XIII. Fuel efficiency training in a full mission truck simulator / Parkes AM, Reed N (pp135-146)
- XIV. Effects of a high sugar content 'energy' drink on driver sleepiness / Horne JA, Anderson R (pp147-155)
- XV. Towards cognitive vision: a tool for assessing road user behaviour / Svensson A (pp156-163)
- XVI. Distortions of drivers' speed and time estimates in dangerous situations / Chapman P et al (pp164-174)
- XVII. The take up of pass plus within the cohort 2 samples / Wells P (pp175-183)
- XVIII. An evaluation of the enhanced pass plus scheme operated by Kirklees Metropolitan Council / Edwards I (pp184-201)
- XIX. Development and evaluation of a simulator-based training programme for emergency vehicle driving / Lang B et al (pp202-215)

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**22. Driver behaviour questionnaire: a follow-up study.**

*Ozkan T et al*

Accident Analysis and Prevention 2006; 38(2): 386-395

**DRIVER TESTING AND LICENSING**

**23. Anxiety and performance in the British driving test.**

*Fairclough SH et al*

Transportation Research, Part F - Traffic Psychology and Behaviour 2006;  
9(1): 43-52

**HEAD INJURY**

**24. On the consequences of head size following impact to the human head.**

*Ruan JS; Prasad P*

Journal of Biomechanics 2006; 39(2): 383-387

Notes: Letter to the editor which includes an author response

**HEAVY VEHICLE**

**25. Future truck and bus safety research opportunities, 23-24 March 2005, Arlington, Virginia.**

Washington DC : Transportation Research Board, 2005

Report no. Conference Proceedings 38

Contents:

I.High risk commercial motor vehicle drivers and differential crash risk:  
future directions / Hickman JS

II.Research required to ensure appropriate maintenance and compliance  
for safe operation of commercial motor vehicles in 2025 / Shaffer SJ  
et al

III.Context for commercial vehicle enforcement activity in 2020: forecast  
of future directions in truck safety and security / Hughes R et al

IV.Future truck and bus safety research opportunities: health and wellness  
/ Husting L

V.Analysis and use of commercial vehicle driver data / Lantz B

VI.Safety challenges facing tomorrow's commercial vehicle drivers and the  
role of new simulation technology to meet them / Wachtel J et al

VII.Utilizing future vehicle design technology to improve safety / Freund

DM et al  
VIII. Impact of highway and interstate funding policy decisions on truck safety and truck involved crashes: future research needs / Short J  
Online: [Click here](#)

## HUMAN FATIGUE

**26. Investigating driver fatigue in truck crashes: trial of a systematic methodology.**

*Gander PH et al*

Transportation Research, Part F - Traffic Psychology and Behaviour 2006; 9(1): 65-76

**27. Sleep-related car crashes: risk perception and decision making processes in young drivers.**

*Lucidi F et al*

Accident Analysis and Prevention 2006; 38(2): 302-309

## HUMAN STRESS

**28. A randomised controlled trial to determine the effectiveness of an early psychological intervention with children involved in road traffic accidents.**

*Stallard P et al*

Journal of Child Psychology and Psychiatry 2006; 47(2): 127-13

## INJURY

**29. Economic analysis of injury prevention - applying results and methodologies from cost-of-injury studies.**

*Nilsen P et al*

International Journal of Injury Control and Safety Promotion 2005; 13(1): 7-13

## INJURY RATE

**30. Emergency presentations by vulnerable road users: implications for injury prevention.**

*Meulners LB et al*

Injury Prevention 2006; 12(1): 12-14

## INTERSECTION

### 31. Intersection approach speed and accident probability.

*Spek ACE et al*

Transportation Research, Part F - Traffic Psychology and Behaviour 2006;  
9(2): 155-171

## LEVEL CROSSING

### 32. Does public education improve rail-highway crossing safety?.

*Savage I*

Accident Analysis and Prevention 2006; 38(2): 310-316

## MOBILE PHONE

### 33. Use of mobile phones while driving - effects on road safety: a literature review.

*Dragutinovic N; Twisk D*

Leidschendam : SWOV Institute for Road Safety Research, 2005

Report no. R-2005-12 55p.

Online: [Click here](#)

## MOTORCYCLIST

### 34. Are car drivers holding a motorcycle licence less responsible for motorcycle-car crash occurrence?.

*Magazzu D et al*

Accident Analysis and Prevention 2006; 38(2): 365-370

## OCCUPATIONAL HEALTH AND SAFETY

35. Guidance for implementation of the AASHTO strategic highway safety plan. Volume 17: A guide for reducing work zone collisions.

*Antonucci ND et al*

Washington : Transportation Research Board, 2005

Report no. NCHRP Report 500 177p.

Online: [Click here](#)

36. Work-related fatal traffic crashes in New Zealand: 1985-1998.

*McNoe B et al*

New Zealand Medical Journal 2005; 118(1227)

## OFFENCE

37. Is rigorous punishment effective? A case study of lifetime license revocation in Taiwan.

*Chang H-L et al*

Accident Analysis and Prevention 2006; 38(2): 269-276

## PAVEMENT MARKING

38. The possible safety benefits of enhanced road markings: a driving simulator evaluation.

*Horberry T et al*

Transportation Research, Part F - Traffic Psychology and Behaviour 2006; 9(1): 77-87

## PEDESTRIAN CROSSING

39. Safe pedestrian crossings for children and elderly.

*Leden L et al*

Accident Analysis and Prevention 2006; 38(2): 289-294

## ROAD DESIGN

### 40. Analysis of correlation between roadway alignment and traffic accidents.

*Ikeda T; Mori N*

Washington DC : Transportation Research Board, 2005

20p.

Proceedings of 3rd International symposium on highway geometric design, Chicago, United States, 2005

## ROAD SAFETY

### 41. Australasian road safety handbook: volume 2.

Sydney : Austroads, 2005

Report no. AP-R268/05 125p.

Contents:

- I. Road improvements as a road safety countermeasure / Langford J, Corben B (pp1-8)
- II. Road safety impact of road safety audits / McInerney R et al (pp9-14)
- III. Maximising the road safety impact of advertising / Haworth N (pp15-23)
- IV. Road safety implications of excessive and inappropriate vehicle speed / Frith B et al (pp24-31)
- V. Road safety impact of fitting seat belts to school buses / Langford J et al (pp32-37)
- VI. Road safety impact of rehabilitation programs for traffic offenders / Pronk N, Langford J (pp38-44)
- VII. Road safety impact of medical testing of drivers / Muir C (pp45-51)
- VIII. Road safety impact of motorcycle training and licensing schemes / Langford J (pp52-64)
- IX. Road safety implications of daytime running lights / Langford J, Patterson T (pp65-71)
- X. Improving child safety restraint systems / Henderson M et al (pp72-81)
- XI. Road safety education in schools / Catchpole J, Di Pietro G (pp82-91)
- XII. Road safety implications of driver distraction / Young K, Regan M (pp92-100)
- XIII. Road safety implications of using hands-free mobile telephones while driving / Symmons M, Langford J (pp101-107)
- XIV. Promoting vehicle crashworthiness / Newstead S et al (pp108-117)

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**42. Australasian road safety handbook: volume 3.**

Sydney : Austroads, 2005

Report no. AP-R275/05 53p.

Contents:

I. Why do we continue to under-count the road toll / Langford J (pp1-7)

II. Improving heavy vehicle safety / Symmons M (pp8-16)

III. The status of hazard perception testing in Australasia / Palamara P,  
Adams C (pp17-23)

IV. Fleet safety - road safety's next silver bullet? / Langford J (pp24-30)

V. Local area traffic management schemes / traffic calming / Patterson T  
(pp31-39)

VI. Flexible wire barriers along high speed roads - a lifesaving opportunity /  
Candappa N, Corben B (pp40-45)

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**SPEED**

**43. Evaluation of speed limiting locally operating warning signs.**

Sydney : Austroads, 2005

Report no. AP-R278/05 37p.

Online: [Click here](#)

**44. Driving speed and the risk of road crashes: a review.**

*Aarts L; van Schagen I*

Accident Analysis and Prevention 2006; 38(2): 215-224

**SPEED LIMIT**

**45. Evaluation of variable speed limits for real-time freeway safety improvement.**

*Abdel-Aty M et al*

Accident Analysis and Prevention 2006; 38(2): 335-345

**SPEEDING**

**46. Speeding drivers' attitudes and perceptions of speed cameras in rural England.**

*Blincoe KM et al*

Accident Analysis and Prevention 2006; 38(2): 371-378

## SPINAL INJURY

### 47. Spinal cord injury, Australia 2003-04.

*Cripps RA*

Adelaide : Australian Institute of Health and Welfare (AIHW), 2006

Report no. Injury Research and Statistics Series Number 25 47p.

Online: [Click here](#)

## TRAFFIC ENGINEERING

### 48. Continued reliance on traffic signals: the cost of missed opportunities to improve traffic flow and safety at urban intersections.

*Bergh C; Retting RA; Myers E*

Arlington, Virginia : Insurance Institute for Highway Safety, 2005

## TRANSPORT

### 49. Transport innovation: a new era for Australia.

*Sayeg P (ed); Charles P (ed)*

CL Creations, 2005

167p.

## VEHICLE SAFETY

### 50. NHTSA would begin requiring NCAP ratings on new car stickers.

Highway & Vehicle Safety Report 2006; 33(4): 4

### 51. Proposed variable stiffness of vehicle longitudinal frontal members.

*Pipkorn B; Haland Y*

International Journal of Crashworthiness 2006; 10(6): 603-608

## VISIBILITY

52. Limitations in drivers' ability to recognize pedestrians at night.

*Wood JM et al*

Human Factors 2005; 47(3): 644-653

## WHIPLASH INJURY

53. Influence of head restraint position on long-term AIS 1 neck injury risk.

*Eriksson L*

International Journal of Crashworthiness 2006; 10(6): 545-555

54. Effect of head restraint backset on head-neck kinematics in whiplash.

*Stemper BD et al*

Accident Analysis and Prevention 2006; 38(2): 317-323

## YOUNG DRIVER

55. Compliance improves somewhat, but not a lot, when police step up enforcement of N.C licensing law.

Status Report 2006; 40(17): 6-7

56. Parent-teen disagreement of parent-imposed restrictions on teen driving after one month of licensure: Is discordance related to risky teen driving?

*Beck KH et al*

Prevention Science 2005; 6(4): 259-267

57. Encouraging compliance with graduated driver licensing restrictions.

*Goodwin AH et al*

Arlington, Virginia : Insurance Institute for Highway Safety, 2005  
14p.

**58. The effects of text messaging on young novice driver performance.**

*Hosking SG et al*

Clayton : Monash University Accident Research Centre (MUARC), 2006

Report no. 246 40p.

Online: [Click here](#)

**59. Hazard perception and driving experience among novice drivers.**

*Sagberg F; Bjornskau T*

Accident Analysis and Prevention 2006; 38(2): 407-414